

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053046.D
 Acq On : 20 Dec 2018 10:34
 Operator : MD\SY
 Sample : VN1220MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/27/2018 12:38:44 PM

Quant Time: Dec 21 00:33:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1154763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1763093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1577899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	696228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	616072	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
35) Dibromofluoromethane	7.59	113	483197	60.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.00%	
50) Toluene-d8	10.09	98	2287619	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
62) 4-Bromofluorobenzene	12.40	95	778207	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	228977	19.592	ug/l	99
3) Chloromethane	2.06	50	279771	19.755	ug/l	100
4) Vinyl Chloride	2.19	62	286019	19.941	ug/l	100
5) Bromomethane	2.58	94	187802	18.899	ug/l	100
6) Chloroethane	2.71	64	171686	20.211	ug/l	100
7) Trichlorofluoromethane	3.03	101	356296	19.941	ug/l	99
8) Diethyl Ether	3.41	74	137804	20.443	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	227966	20.010	ug/l	98
10) Methyl Iodide	3.96	142	326948	20.436	ug/l	98
11) Tert butyl alcohol	4.78	59	68865	96.311	ug/l	98
12) 1,1-Dichloroethene	3.74	96	218207	19.825	ug/l	96
13) Acrolein	3.61	56	71419	110.156	ug/l	100
14) Allyl chloride	4.33	41	337913	19.821	ug/l	99
15) Acrylonitrile	4.99	53	400101	100.722	ug/l	99
16) Acetone	3.82	43	225086	97.963	ug/l	99
17) Carbon Disulfide	4.06	76	624080	17.386	ug/l	99
18) Methyl Acetate	4.33	43	202037	19.981	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	608750	20.668	ug/l	98
20) Methylene Chloride	4.55	84	253779	20.248	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	234106	19.797	ug/l	100
22) Diisopropyl ether	5.95	45	767224	21.083	ug/l	98
23) Vinyl Acetate	5.90	43	2220347	106.107	ug/l	99
24) 1,1-Dichloroethane	5.85	63	443845	20.525	ug/l	99
25) 2-Butanone	6.83	43	402779	104.454	ug/l	98
26) 2,2-Dichloropropane	6.83	77	332229	20.126	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	272069	20.322	ug/l	99
28) Bromochloromethane	7.19	49	197075	21.032	ug/l	95
29) Tetrahydrofuran	7.21	42	296677	103.014	ug/l	99
30) Chloroform	7.37	83	430401	20.261	ug/l	100
31) Cyclohexane	7.66	56	417091	19.934	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	357579	19.760	ug/l	99
36) 1,1-Dichloropropene	7.80	75	336882	19.907	ug/l	99
37) Ethyl Acetate	6.93	43	203321	21.522	ug/l	99
38) Carbon Tetrachloride	7.78	117	307262	19.809	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	396070	19.266	ug/l	99
40) Benzene	8.04	78	1033943	20.541	ug/l	100
41) Methacrylonitrile	7.18	41	116079	21.266	ug/l	96
42) 1,2-Dichloroethane	8.12	62	300762	20.226	ug/l	99
43) Isopropyl Acetate	8.16	43	374730	19.868	ug/l	99
44) Trichloroethene	8.84	130	289580	19.890	ug/l	95
45) 1,2-Dichloropropane	9.12	63	271909	20.739	ug/l	99
46) Dibromomethane	9.21	93	153865	20.145	ug/l	98
47) Bromodichloromethane	9.40	83	324010	19.957	ug/l	99
48) Methyl methacrylate	9.20	41	183931	20.064	ug/l	98
49) 1,4-Dioxane	9.20	88	44567	384.330	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	971303	106.168	ug/l	99
52) Toluene	10.16	92	642507	20.593	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	329652	19.309	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	394682	20.141	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	225702	20.736	ug/l	99
56) Ethyl methacrylate	10.43	69	294183	20.420	ug/l	98
57) 1,3-Dichloropropane	10.71	76	387591	20.766	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	823505	104.119	ug/l	98
59) 2-Hexanone	10.75	43	658066	106.313	ug/l	99
60) Dibromochloromethane	10.90	129	245392	19.695	ug/l	100
61) 1,2-Dibromoethane	11.01	107	224660	20.323	ug/l	100
64) Tetrachloroethene	10.63	164	331533	19.397	ug/l	98
65) Chlorobenzene	11.43	112	709960	20.298	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	244977	20.141	ug/l	99
67) Ethyl Benzene	11.51	91	1219780	20.278	ug/l	100
68) m/p-Xylenes	11.62	106	923286	40.376	ug/l	100
69) o-Xylene	11.95	106	451834	20.591	ug/l	99
70) Styrene	11.96	104	733749	20.507	ug/l	99
71) Bromoform	12.13	173	162952	18.545	ug/l #	99
73) Isopropylbenzene	12.25	105	1204345	22.109	ug/l	100
74) N-amyl acetate	12.07	43	321359	21.248	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	246062	23.025	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	220277m	18.795	ug/l	
77) Bromobenzene	12.53	156	306117	21.618	ug/l	97
78) n-propylbenzene	12.59	91	1320315	21.281	ug/l	99
79) 2-Chlorotoluene	12.67	91	786077	20.441	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	936562	21.093	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	71437	19.645	ug/l	98
82) 4-Chlorotoluene	12.77	91	786918	20.904	ug/l	99
83) tert-Butylbenzene	12.99	119	829261	21.118	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	936968	20.992	ug/l	100
85) sec-Butylbenzene	13.17	105	1091851	20.557	ug/l	100
86) p-Isopropyltoluene	13.29	119	931599	20.298	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	503534	20.092	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	492608	19.410	ug/l	99
89) n-Butylbenzene	13.62	91	730914	18.511	ug/l	99
90) Hexachloroethane	13.88	117	133011	18.886	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	468369	19.857	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34024	18.413	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	222288	18.172	ug/l	99
94) Hexachlorobutadiene	15.01	225	142229	20.275	ug/l	99
95) Naphthalene	15.13	128	468465	17.868	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	202411	18.312	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

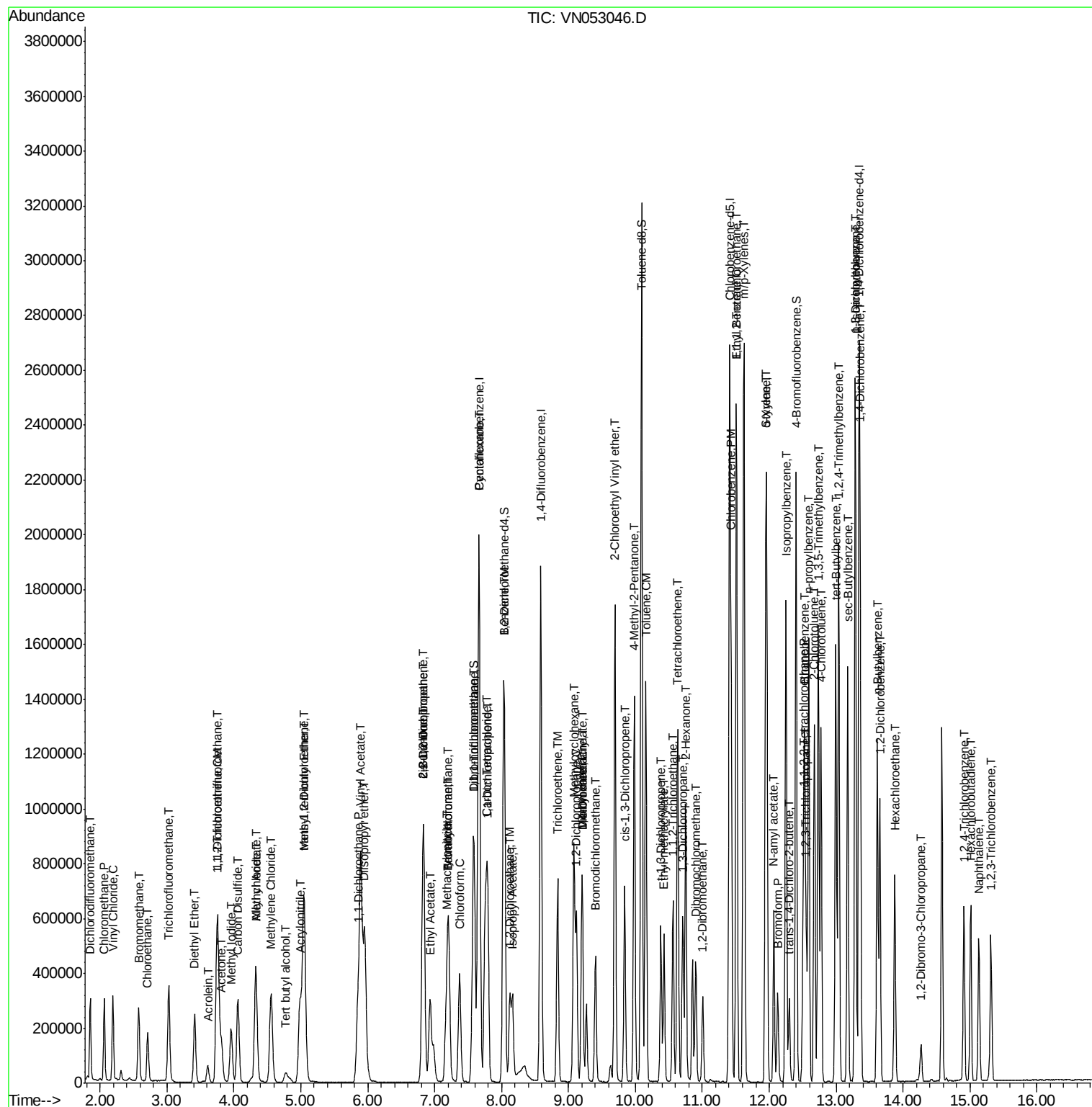
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Data File : VN053046.D
Acq On : 20 Dec 2018 10:34
Operator : MD\SY
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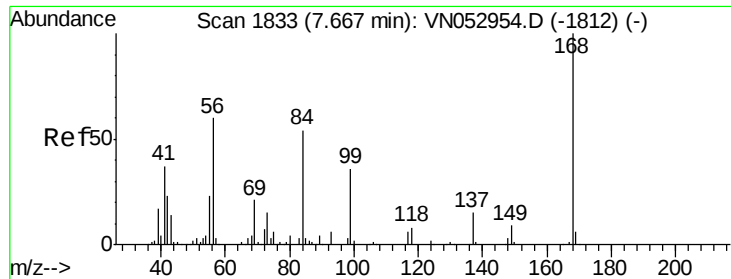
Instrument :
MSVOA_N
Client Sample Id :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

Tot Ion:168 Resp: 1154763

Ion Ratio Lower Upper

168 100

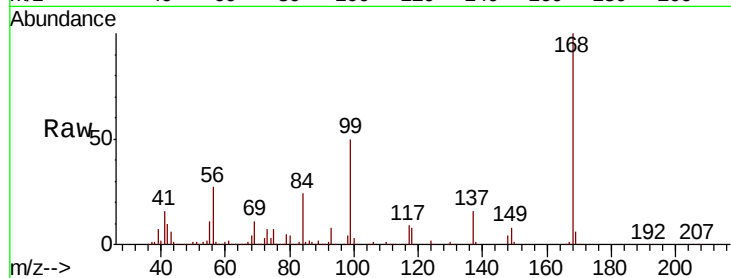
99 49.4 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

300000

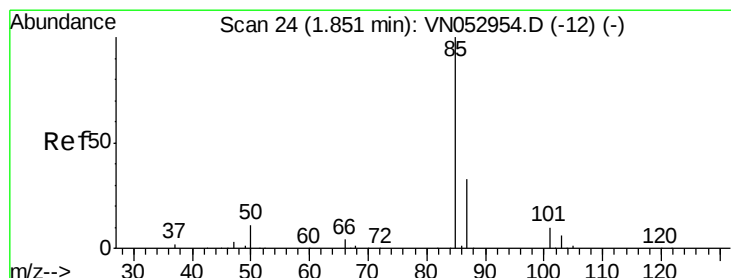
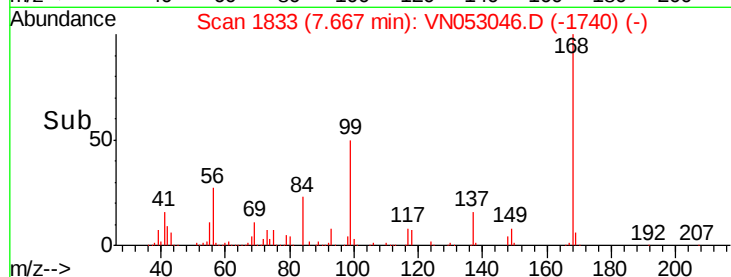
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.592 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053046.D

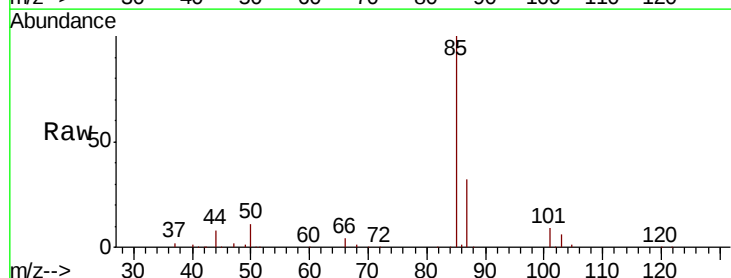
Acq: 20 Dec 2018 10:34

Tgt Ion: 85 Resp: 228977

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

150000

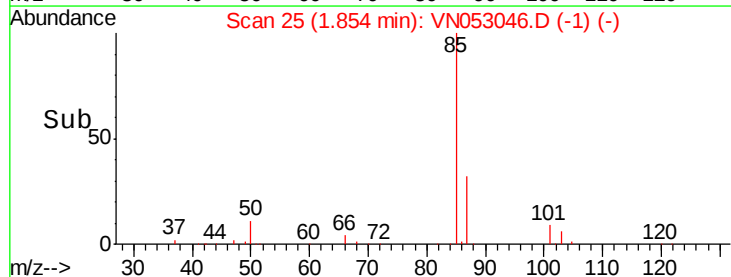
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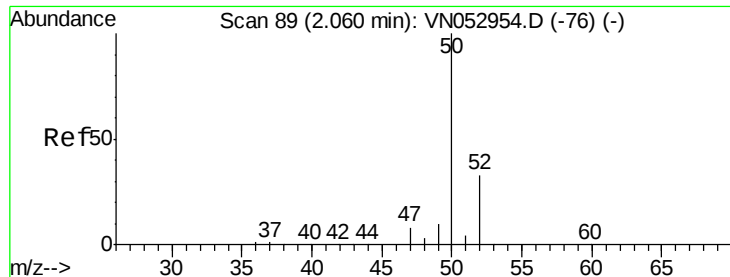
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.755 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

Tot Ion: 50 Resp: 279771

Ion Ratio Lower Upper

50 100

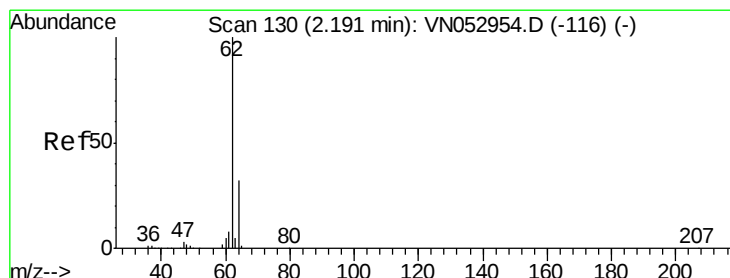
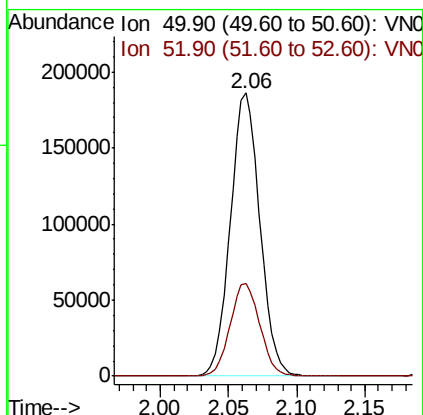
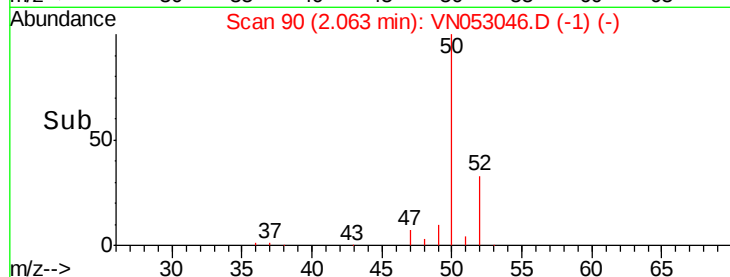
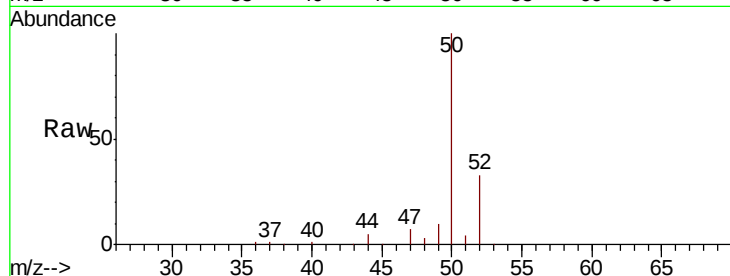
52 32.8 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.941 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053046.D

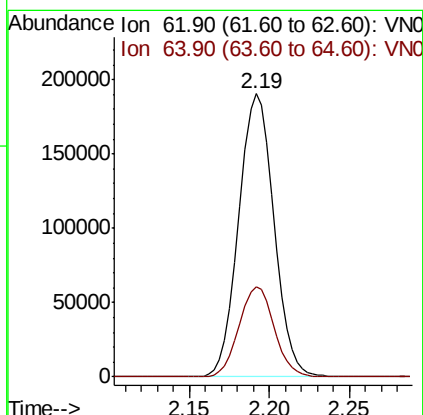
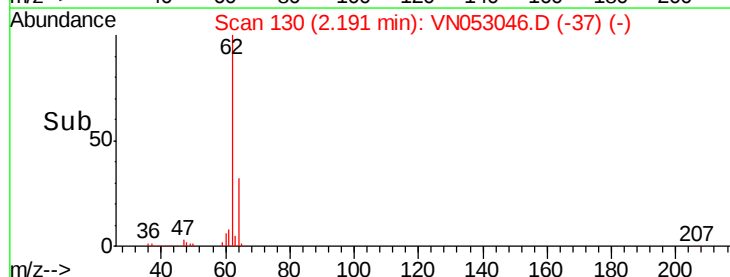
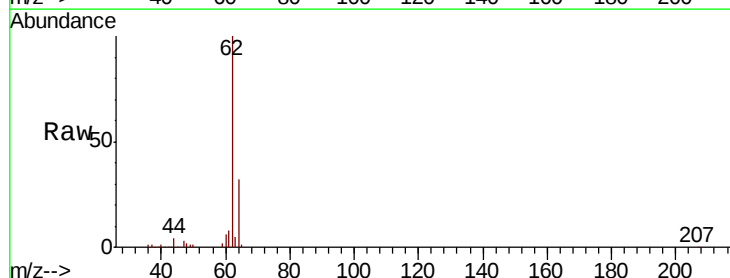
Acq: 20 Dec 2018 10:34

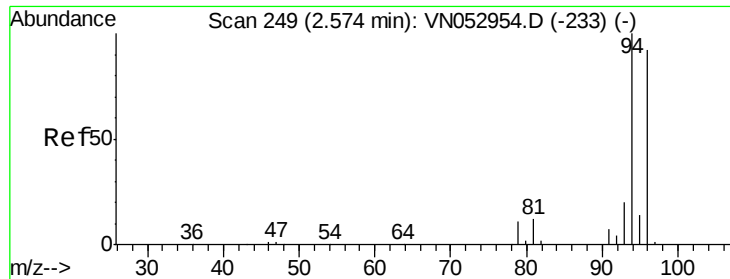
Tgt Ion: 62 Resp: 286019

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 18.899 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

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Tot Ion: 94 Resp: 187802

Ion Ratio Lower Upper

94 100

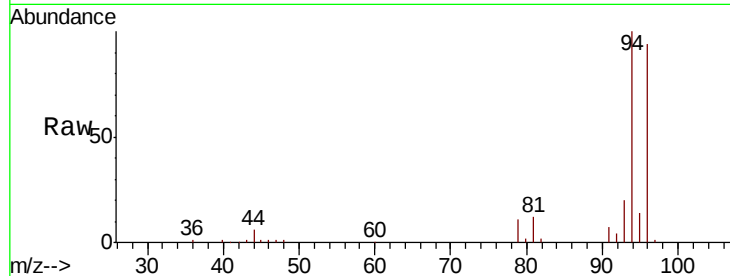
96 93.7 75.0 112.4

Manual Integrations

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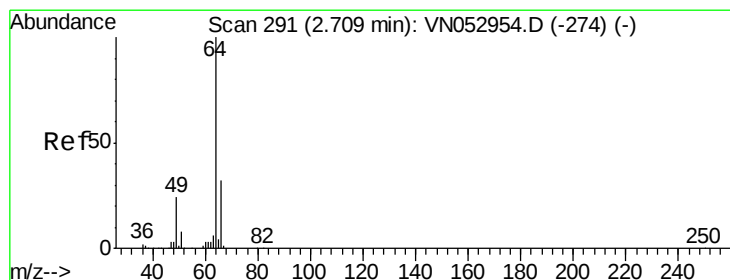
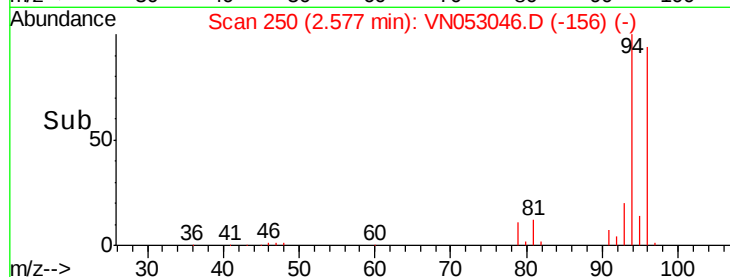
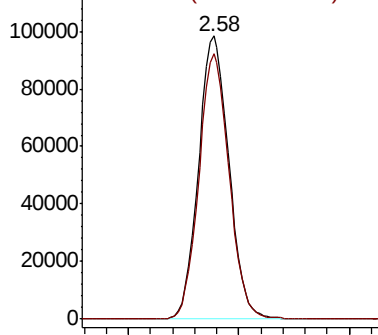
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.211 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053046.D

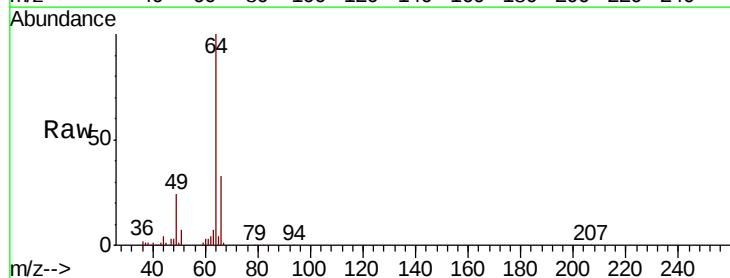
Acq: 20 Dec 2018 10:34

Tgt Ion: 64 Resp: 171686

Ion Ratio Lower Upper

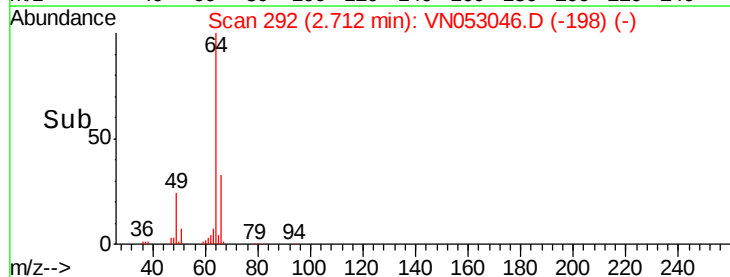
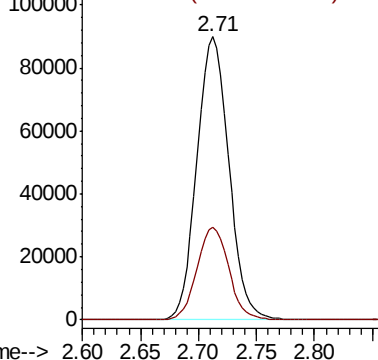
64 100

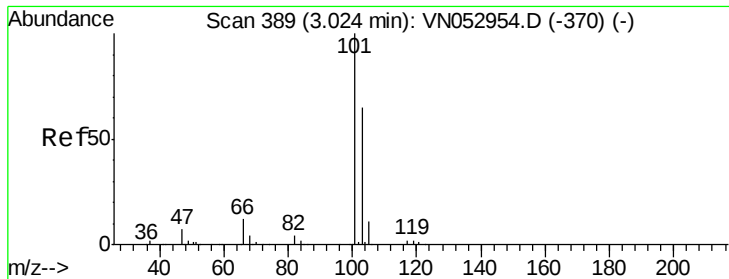
66 32.5 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

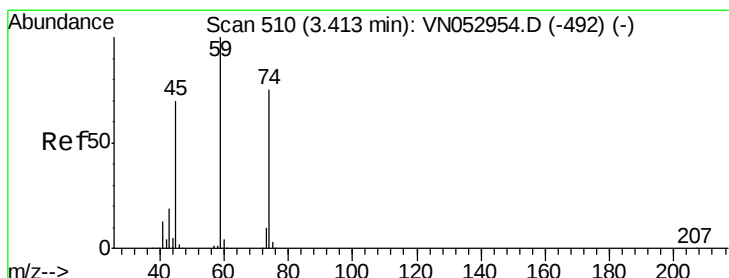
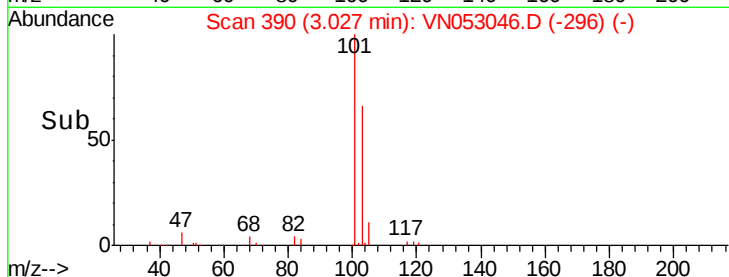
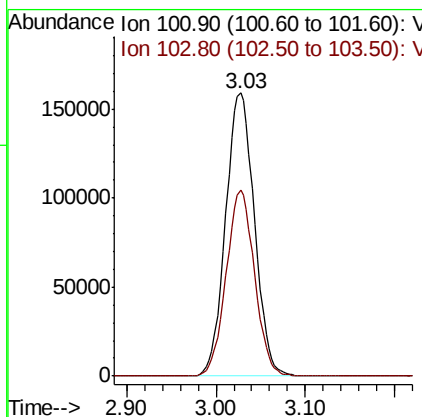
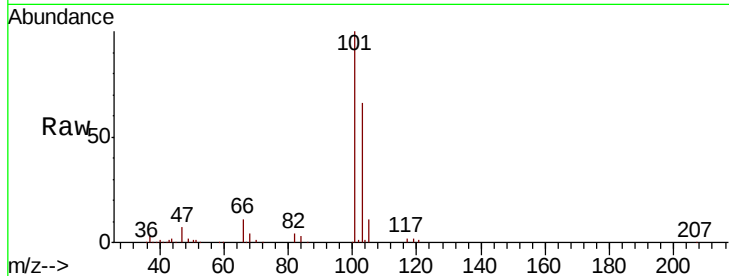
Trichlorofluoromethane
 Concen: 19.941 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053046.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.8	77.6

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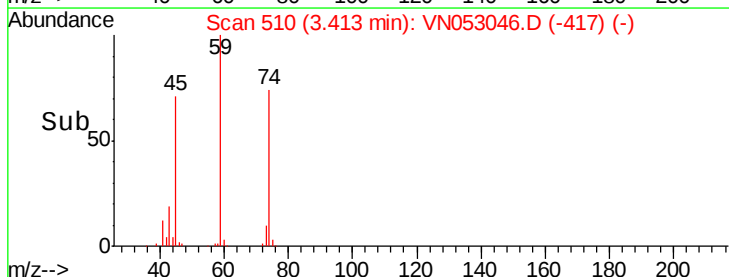
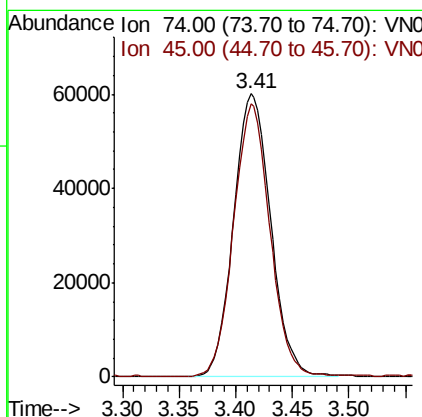
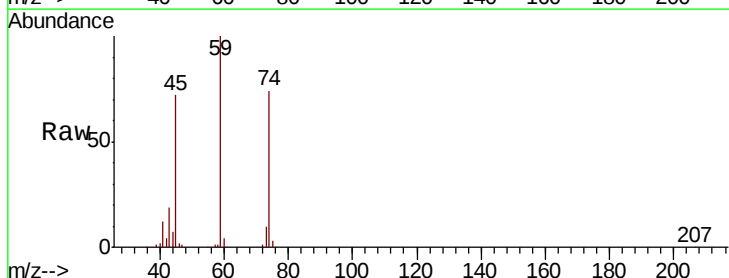
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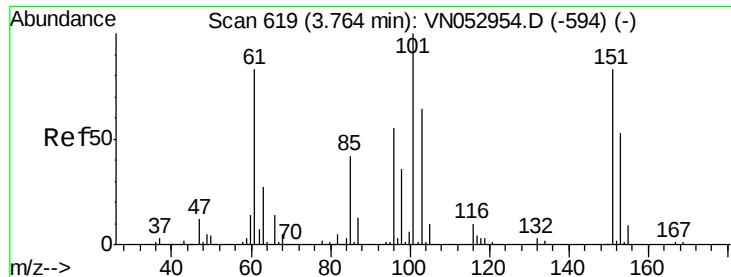


#8

Diethyl Ether
 Concen: 20.443 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	49.4	148.0





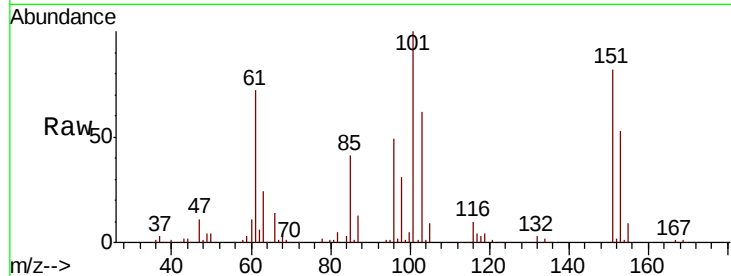
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.010 ug/l
RT: 3.77 min Scan# 620
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	227966		
85	40.7		33.6	50.4
151	83.6		65.5	98.3

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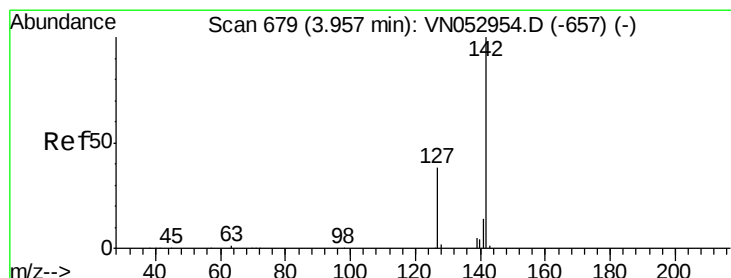
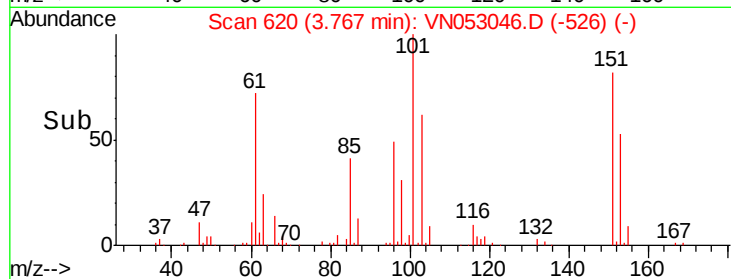
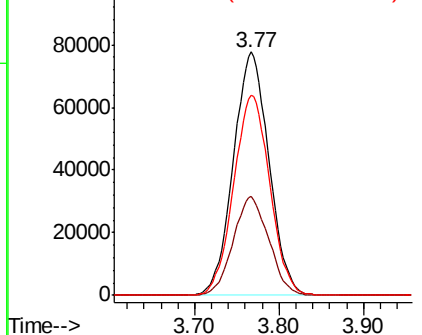


Abundance

Ion 100.90 (100.60 to 101.60): V

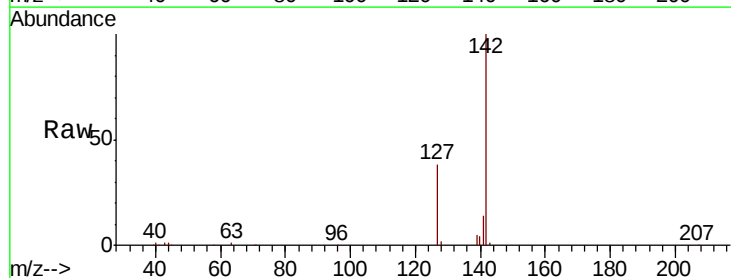
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 20.436 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	326948		
127	37.4		31.0	46.6
141	14.0		11.2	16.8

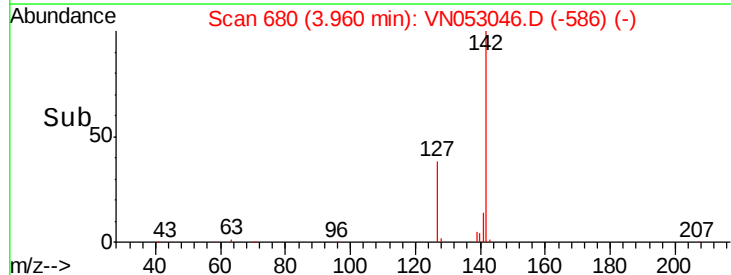
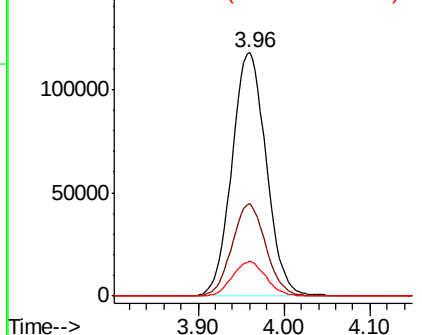


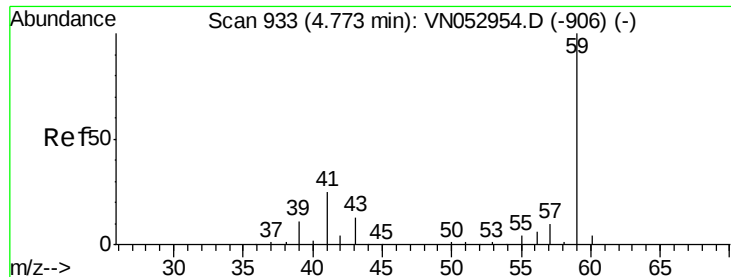
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





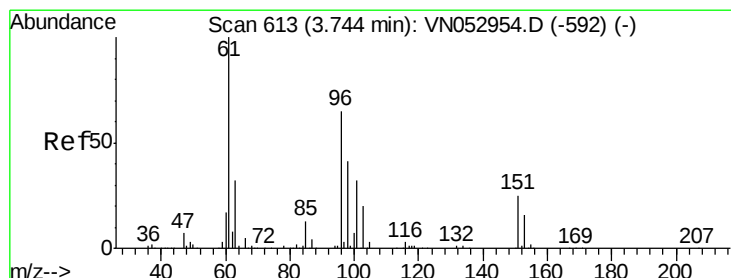
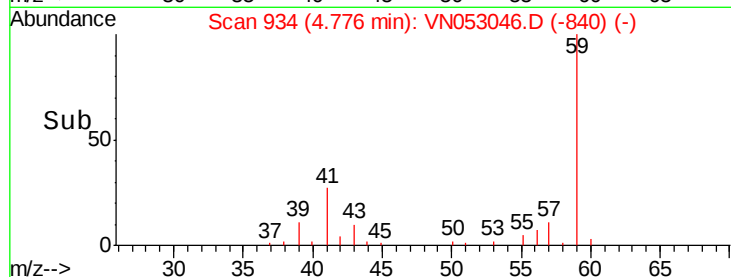
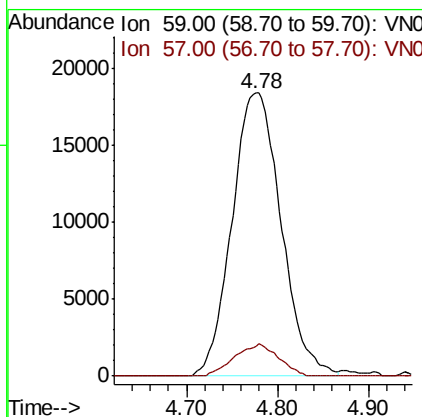
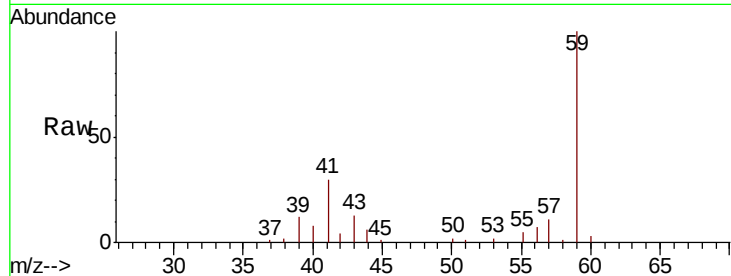
#11
Tert butyl alcohol
Concen: 96.311 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion: 59 Resp: 68865
Ion Ratio Lower Upper
59 100
57 10.2 7.7 11.5

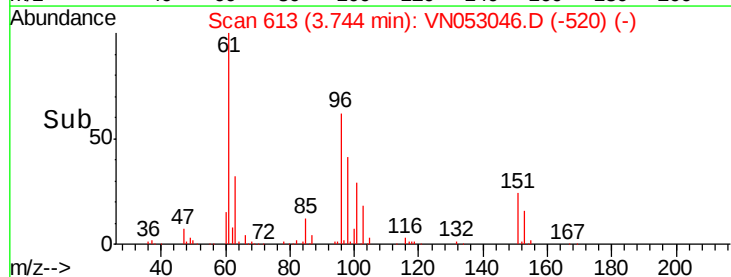
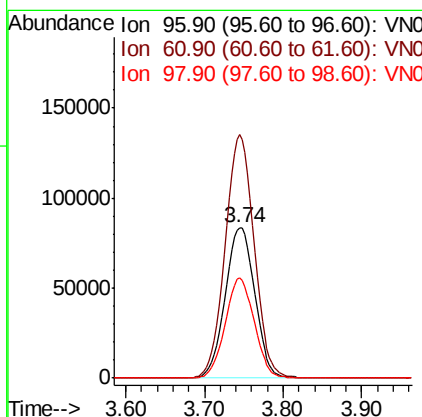
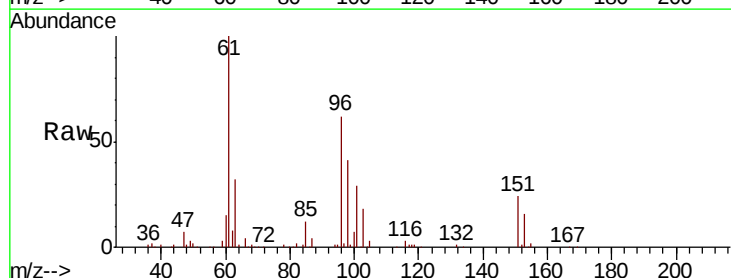
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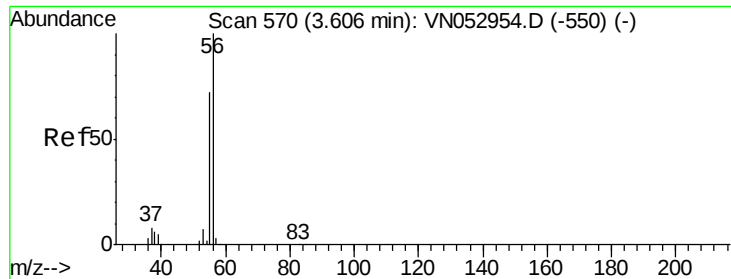
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.825 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 96 Resp: 218207
Ion Ratio Lower Upper
96 100
61 161.6 125.6 188.4
98 66.9 50.6 75.8





#13

Acrolein

Concen: 110.156 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

Tot Ion: 56 Resp: 71419

Ion Ratio Lower Upper

56 100

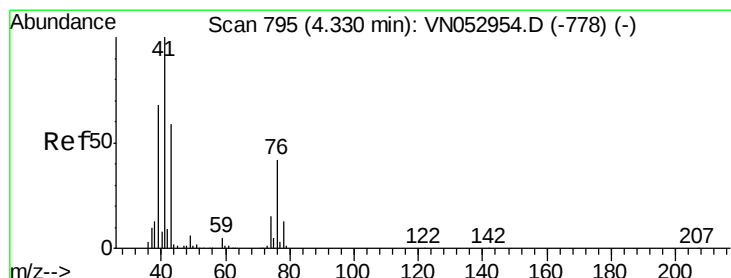
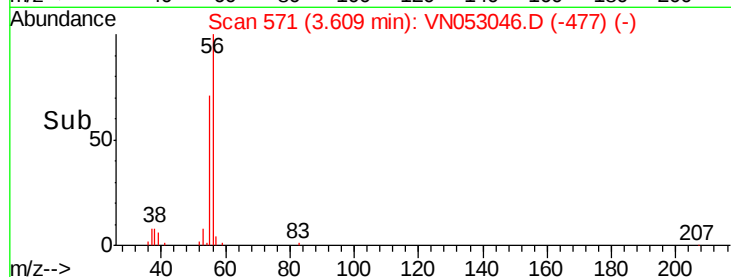
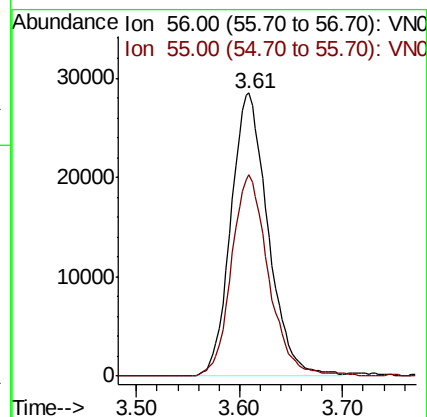
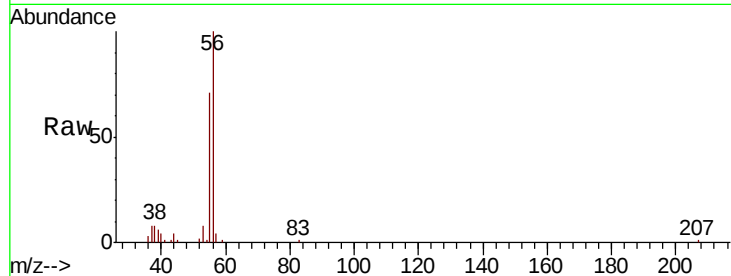
55 70.5 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.821 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

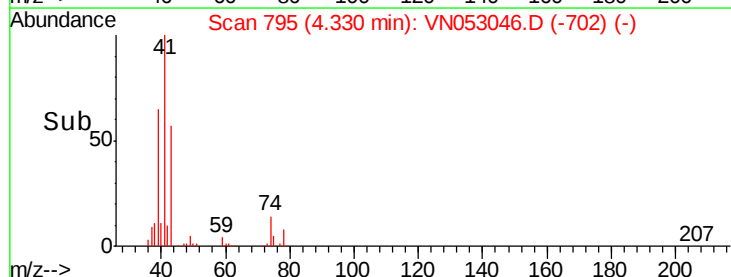
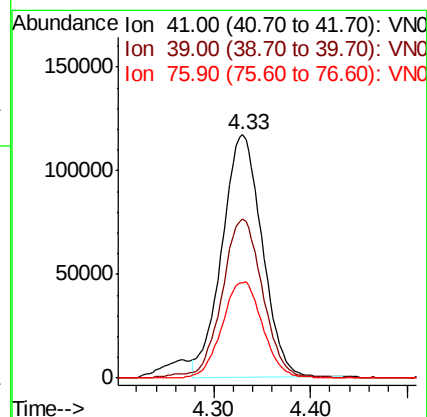
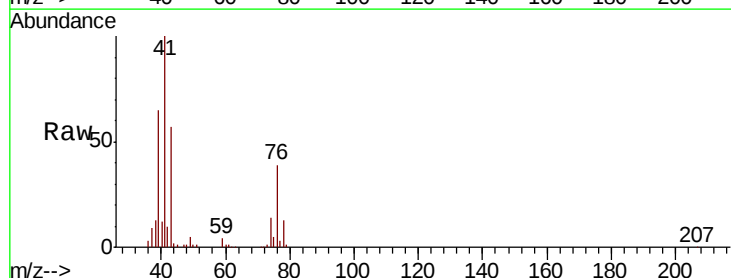
Tgt Ion: 41 Resp: 337913

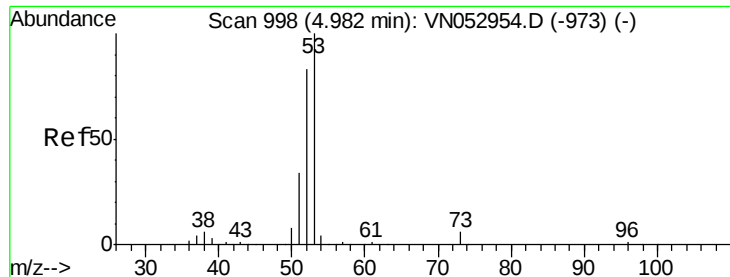
Ion Ratio Lower Upper

41 100

39 67.2 54.1 81.1

76 39.4 30.3 45.5





#15

Acrylonitrile

Concen: 100.722 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

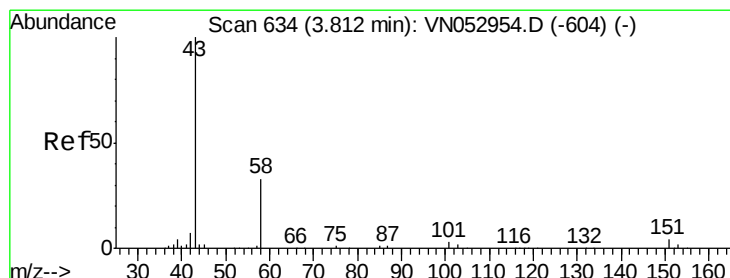
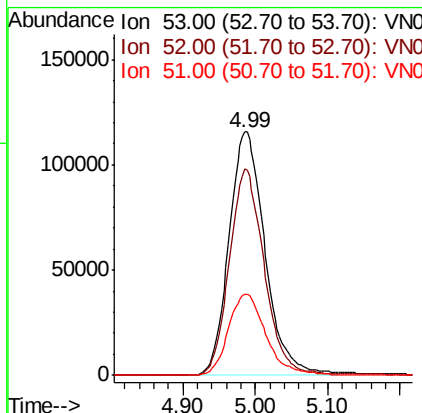
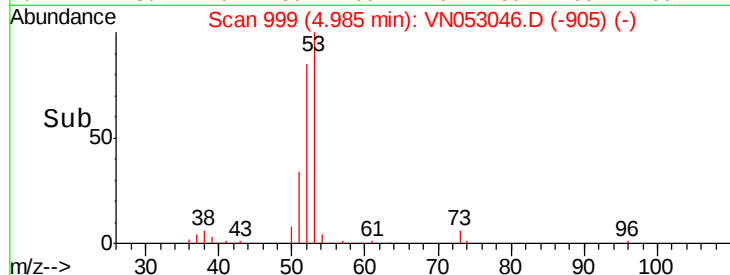
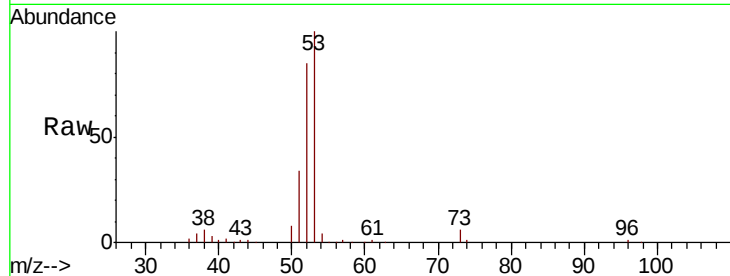
ClientSampleId :

VN1220MBS01

Tot Ion:	53	Resp:	400101
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.1	97.7
51	34.9	28.1	42.1

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#16

Acetone

Concen: 97.963 ug/l

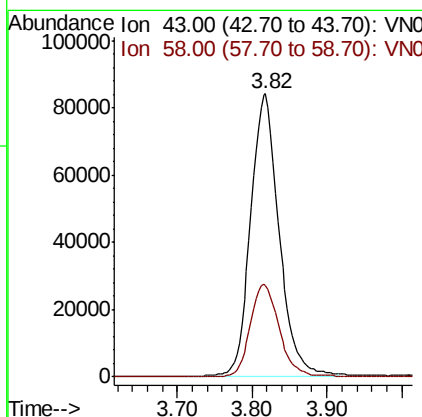
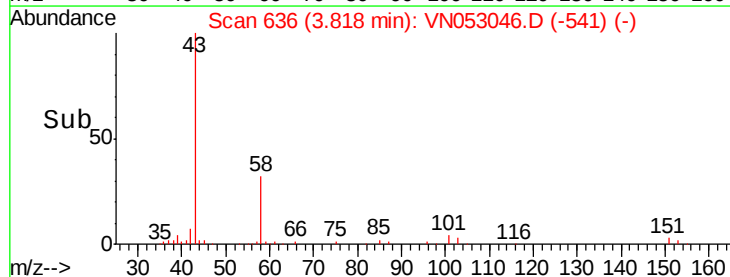
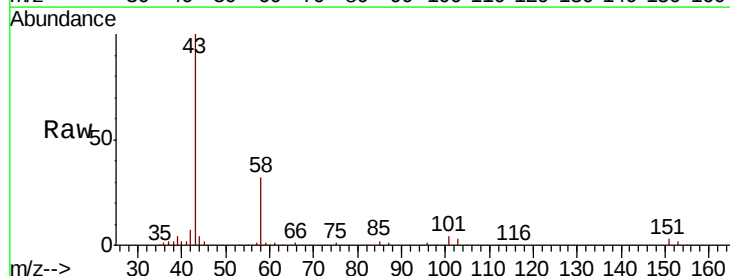
RT: 3.82 min Scan# 636

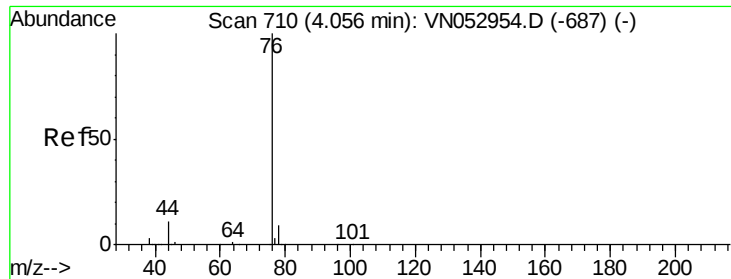
Delta R.T. 0.01 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Tgt Ion:	43	Resp:	225086
Ion Ratio	Lower	Upper	
43	100		
58	32.2	25.4	38.0





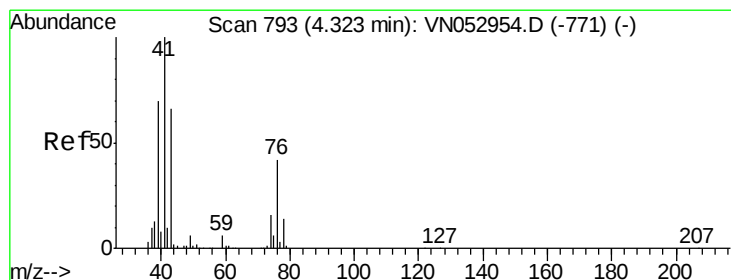
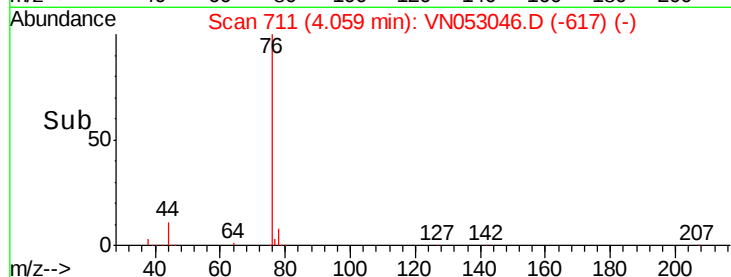
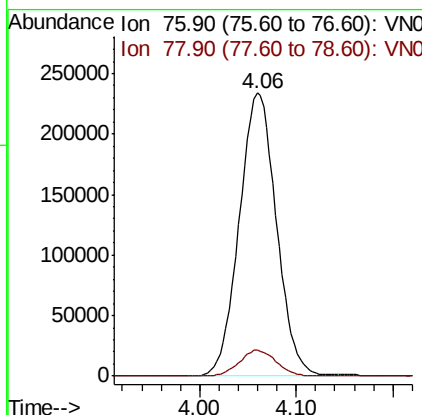
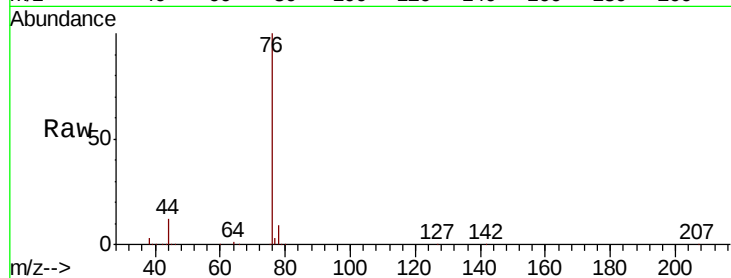
#17
Carbon Disulfide
Concen: 17.386 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

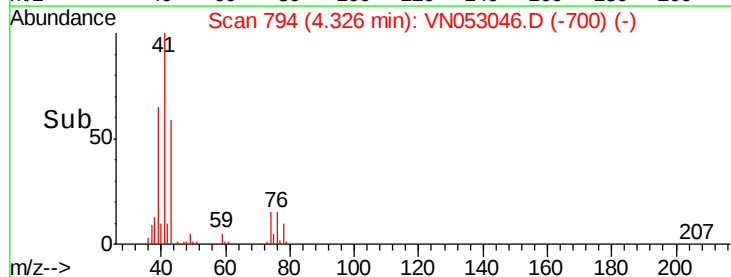
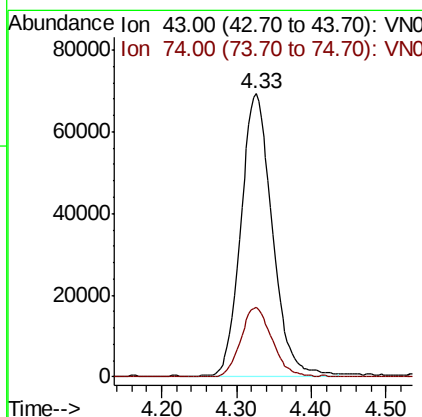
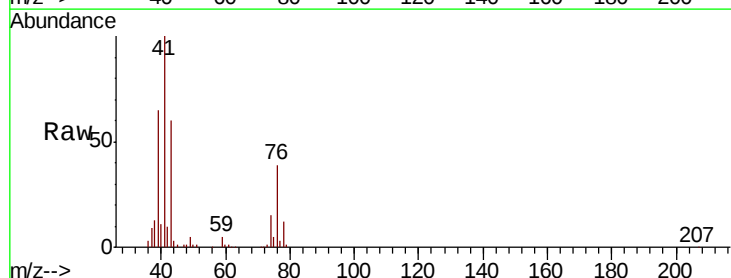
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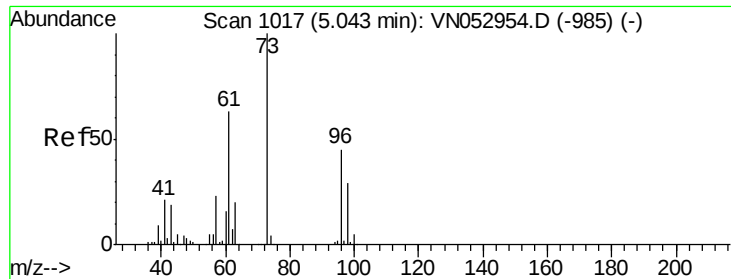
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#18
Methyl Acetate
Concen: 19.981 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.2	28.8





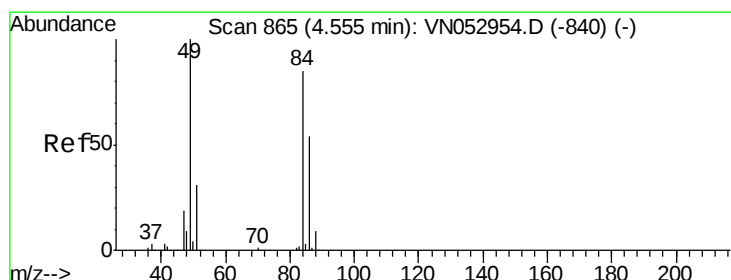
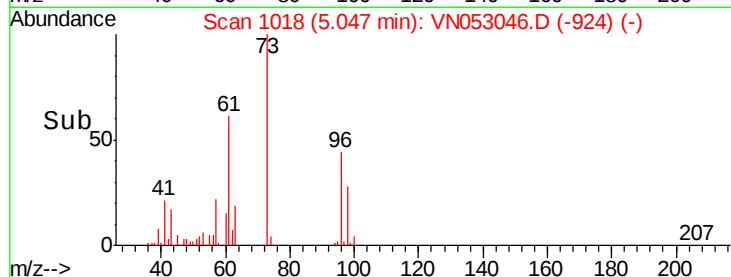
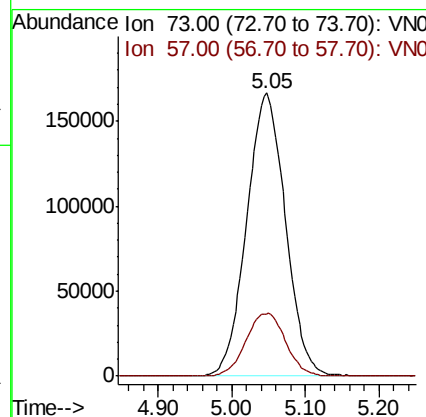
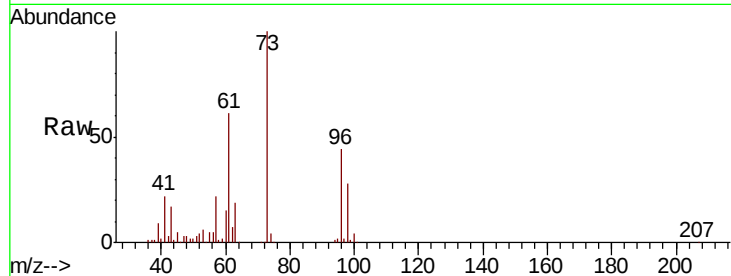
#19
Methvl tert-butvl Ether
Concen: 20.668 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion: 73 Resp: 608750
Ion Ratio Lower Upper
73 100
57 22.0 18.4 27.6

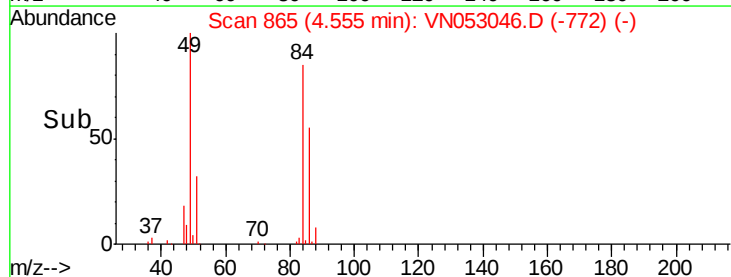
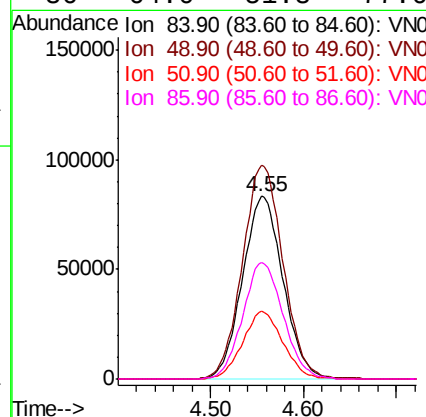
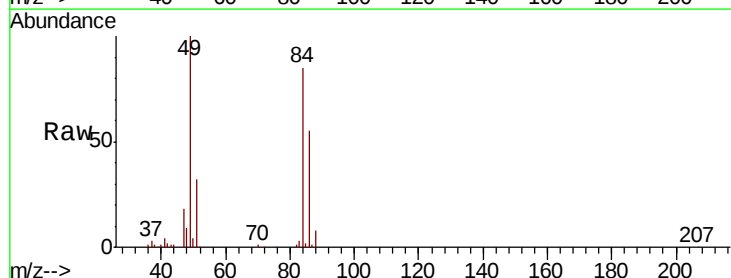
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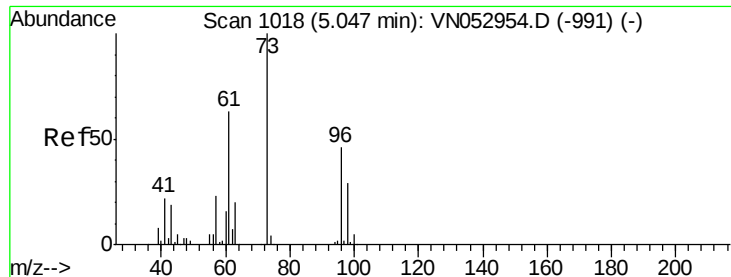
MMDadoda
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#20
Methylene Chloride
Concen: 20.248 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 84 Resp: 253779
Ion Ratio Lower Upper
84 100
49 117.0 96.8 145.2
51 37.1 29.9 44.9
86 64.0 51.8 77.6





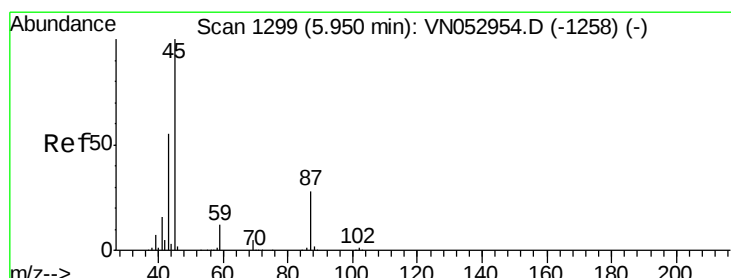
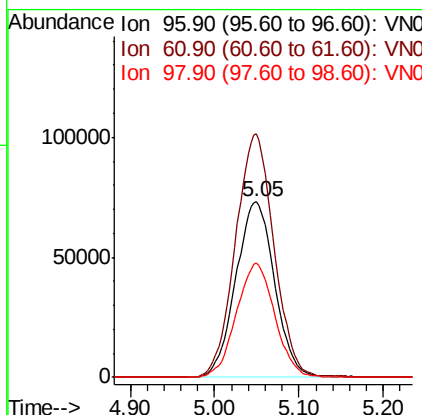
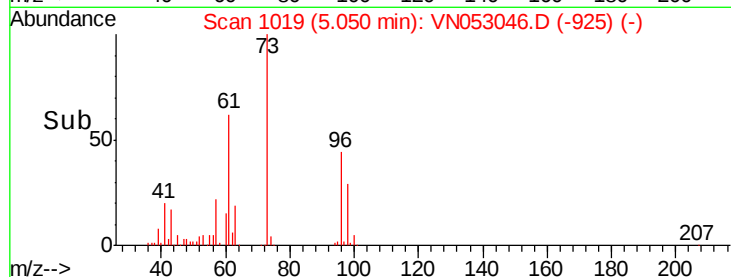
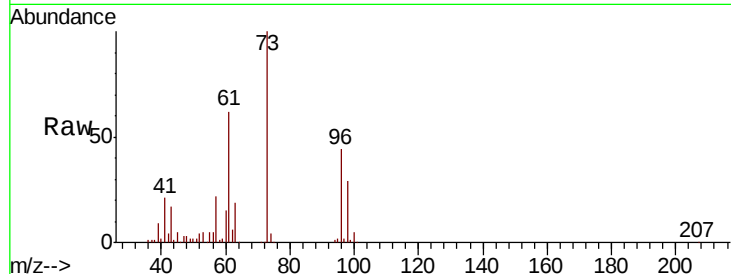
#21
trans-1,2-Dichloroethene
Concen: 19.797 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.6	110.8	166.2
98	65.1	51.4	77.2

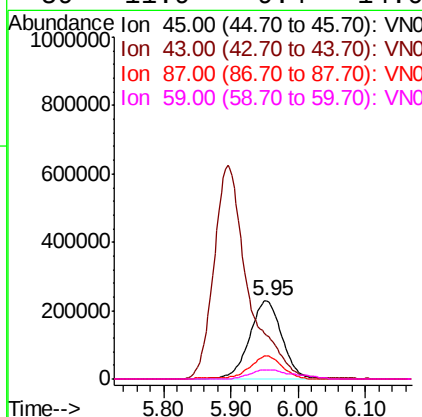
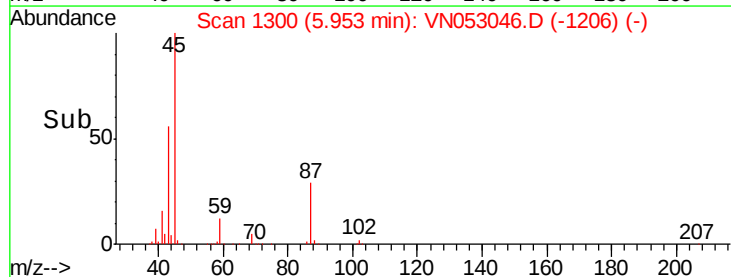
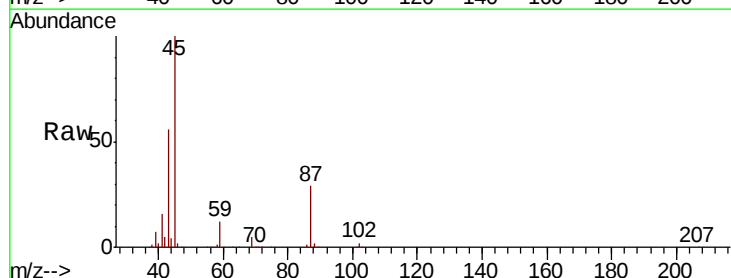
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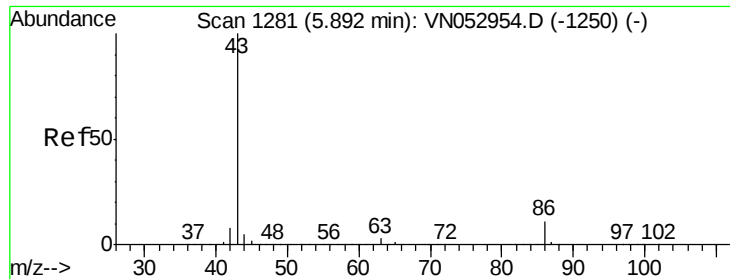
MMDadoda
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#22
Diisopropyl ether
Concen: 21.083 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.1	45.5	68.3
87	29.2	22.0	33.0
59	11.9	9.4	14.0





#23

Vinyl Acetate

Concen: 106.107 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampled :

VN1220MBS01

Tot Ion: 43 Resp: 2220347

Ion Ratio Lower Upper

43 100

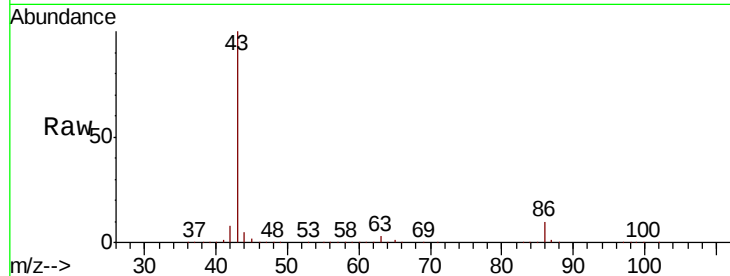
86 10.5 8.1 12.1

Manual Integrations

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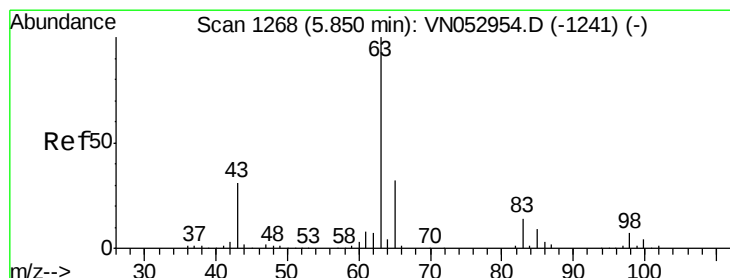
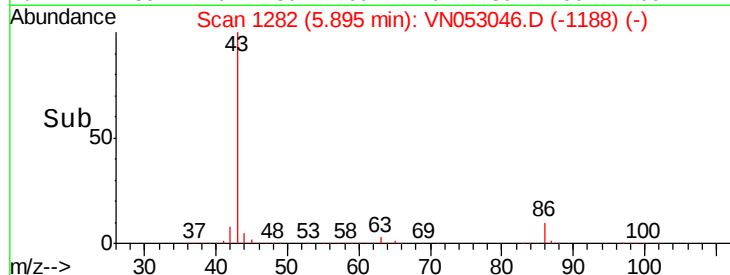
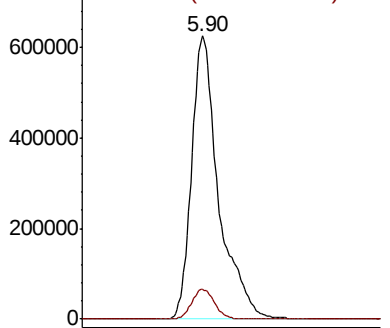
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.525 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

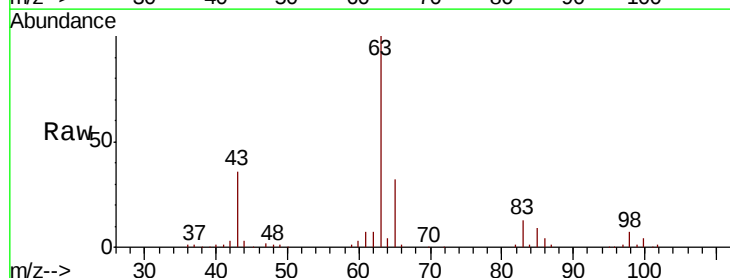
Tgt Ion: 63 Resp: 443845

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

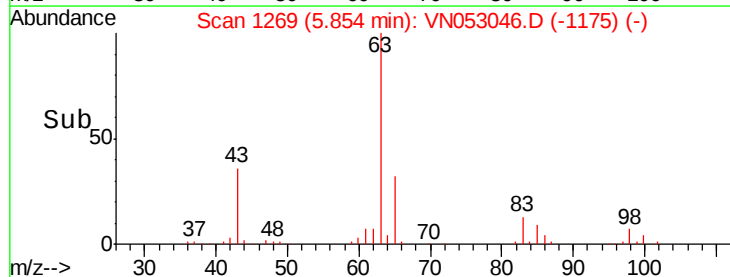
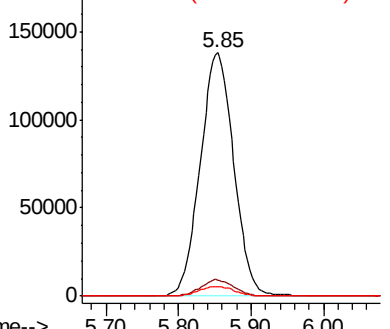
100 4.1 2.0 5.8

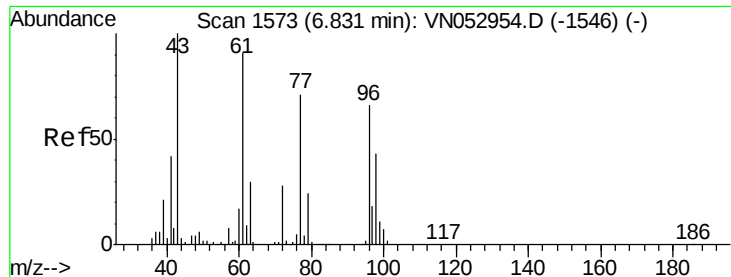


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





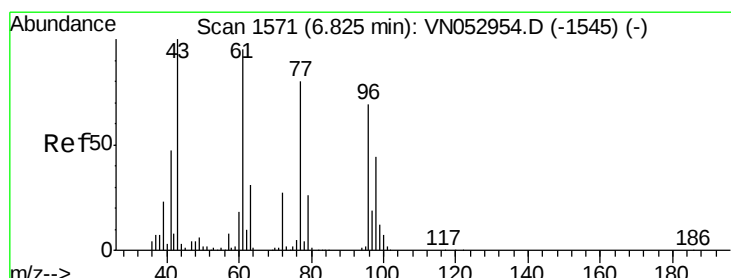
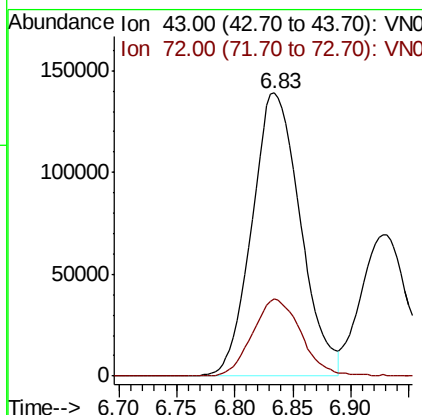
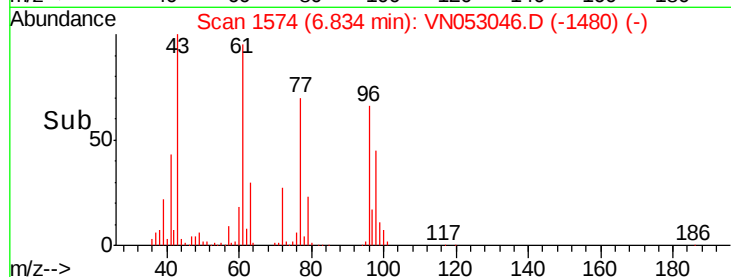
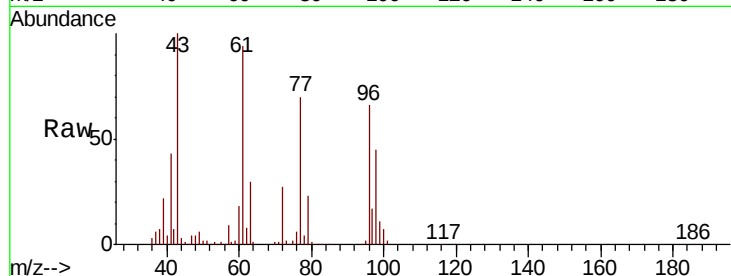
#25
2-Butanone
Concen: 104.454 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion: 43 Resp: 402779
Ion Ratio Lower Upper
43 100
72 27.4 21.0 31.6

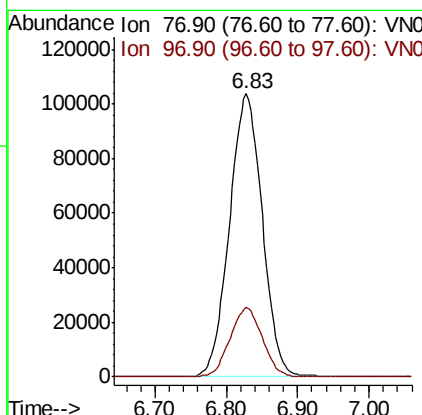
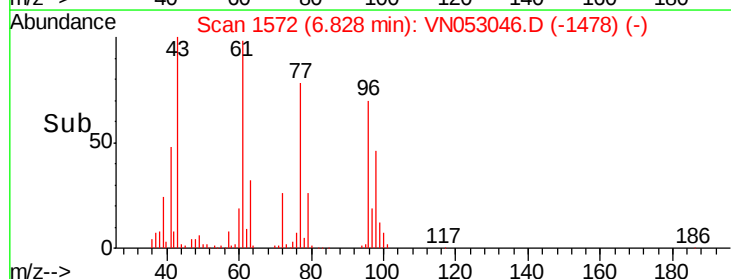
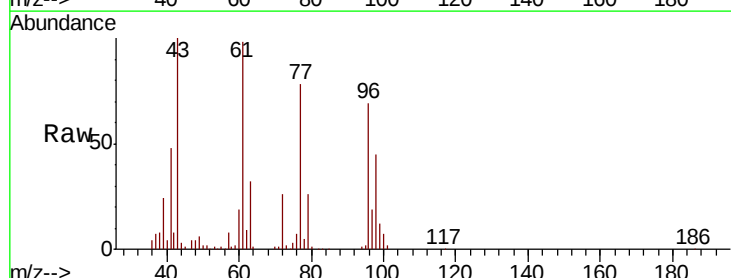
Manual Integrations
APPROVED

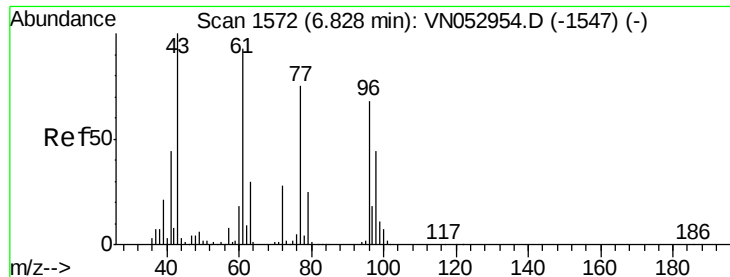
MMDadoda
12/27/2018 12:38:44 PM



#26
2,2-Dichloropropane
Concen: 20.126 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 77 Resp: 332229
Ion Ratio Lower Upper
77 100
97 24.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.322 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

Tot Ion: 96 Resp: 272069

Ion Ratio Lower Upper

96 100

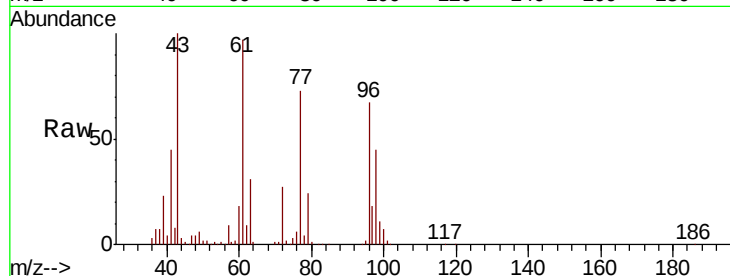
61 141.4 0.0 284.2

98 65.7 0.0 129.2

Manual Integrations
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MMDadoda

12/27/2018 12:38:44 PM

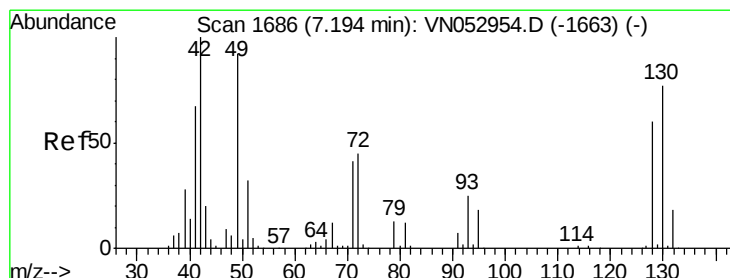
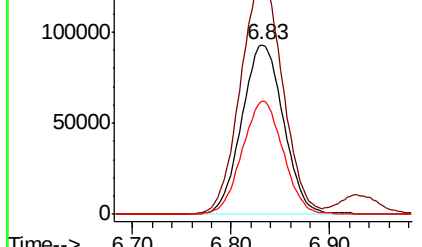
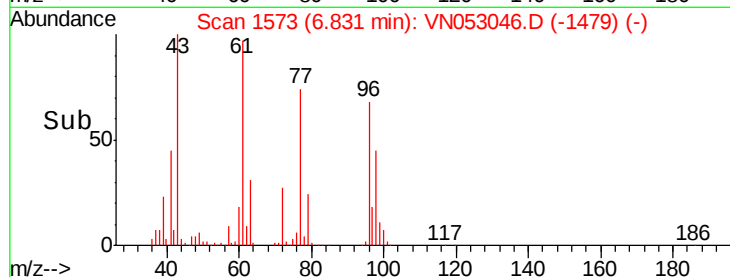


Abundance Ion 95.90 (95.60 to 96.60): VN052954.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN052954.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1547) (-)

Time-->



#28

Bromochloromethane

Concen: 21.032 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

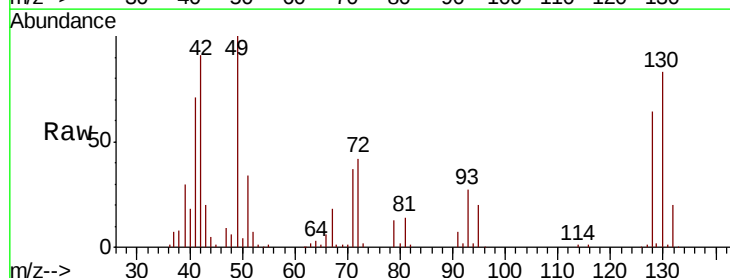
Tgt Ion: 49 Resp: 197075

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 83.9 63.3 94.9

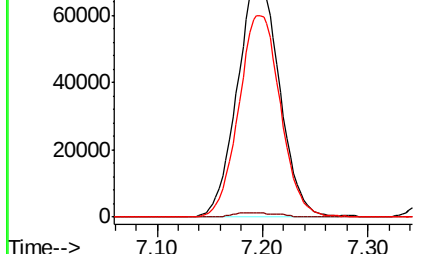
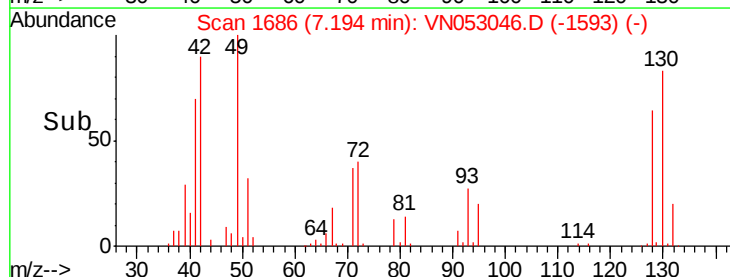


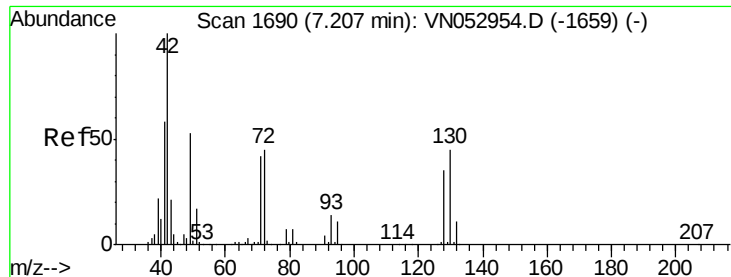
Abundance Ion 48.90 (48.60 to 49.60): VN052954.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN052954.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN052954.D (-1663) (-)

Time-->





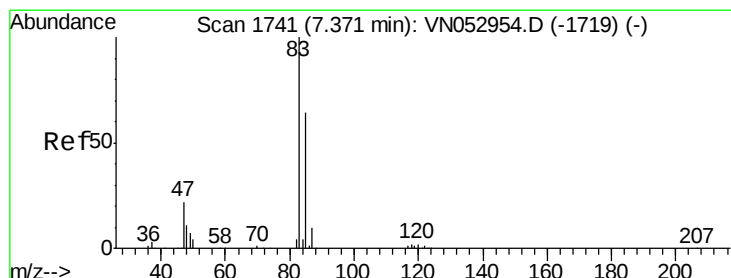
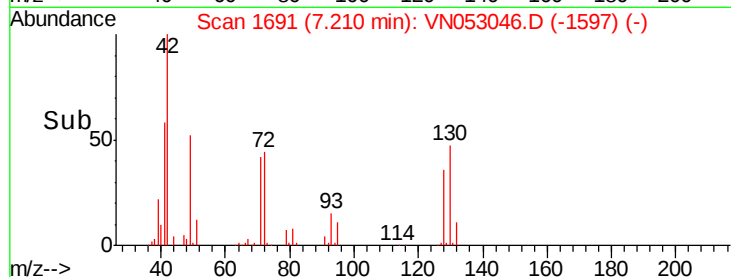
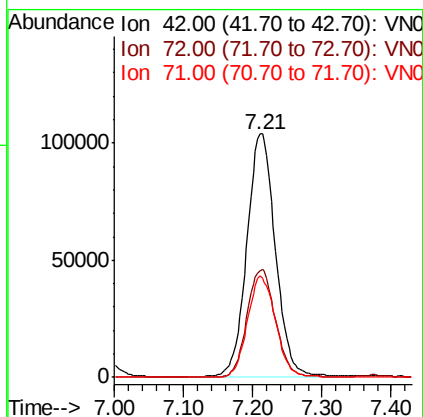
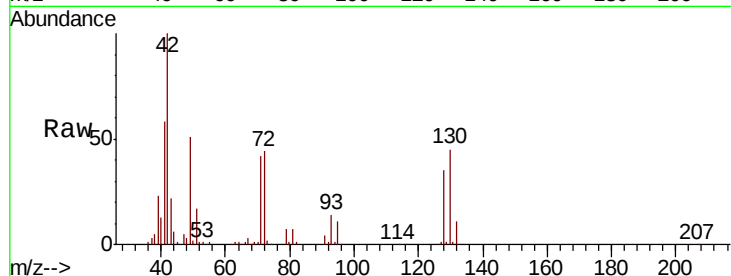
#29
Tetrahydrofuran
Concen: 103.014 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.7	52.1
71	40.9	32.3	48.5

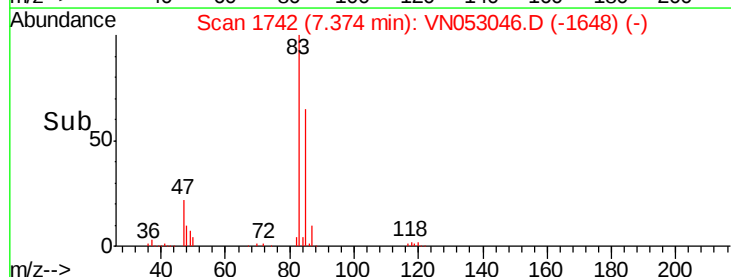
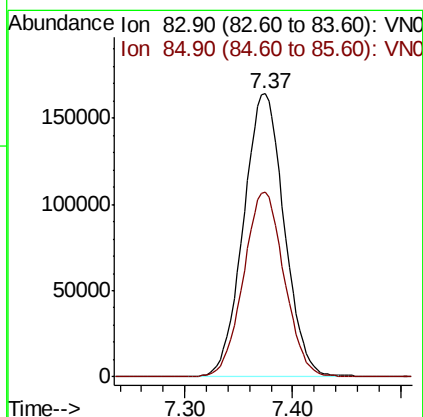
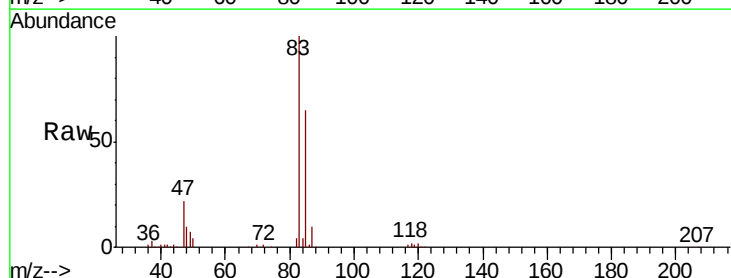
Manual Integrations
APPROVED

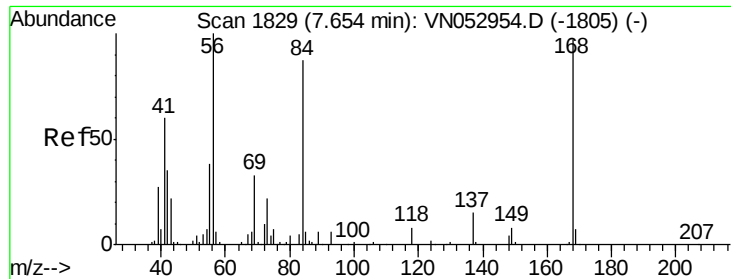
MMDadoda
12/27/2018 12:38:44 PM



#30
Chloroform
Concen: 20.261 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





#31

Cyclohexane

Concen: 19.934 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

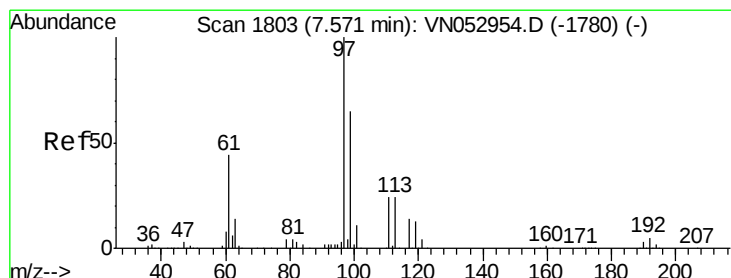
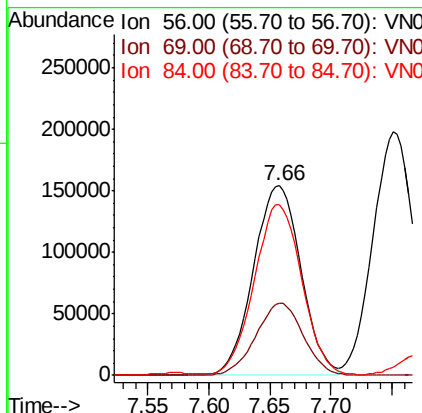
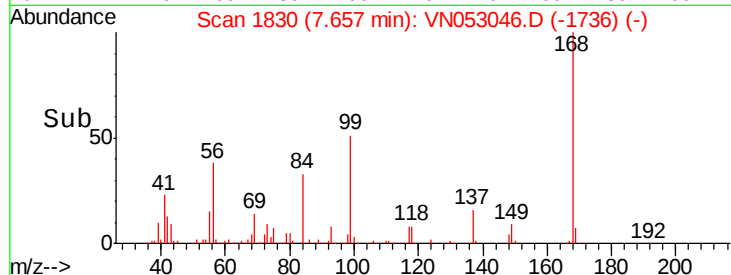
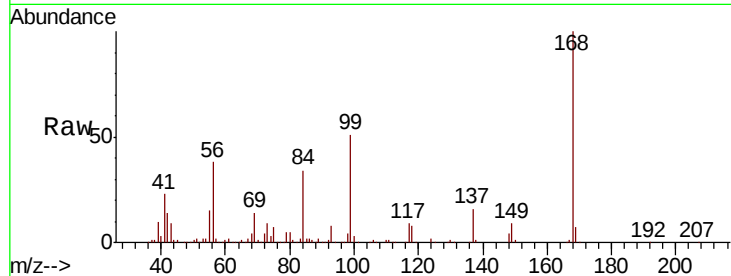
ClientSampleID :

VN1220MBS01

Tot Ion:	56	Resp:	417091
Ion Ratio	Lower	Upper	
56	100		
69	38.3	26.6	39.8
84	88.8	68.4	102.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.760 ug/l

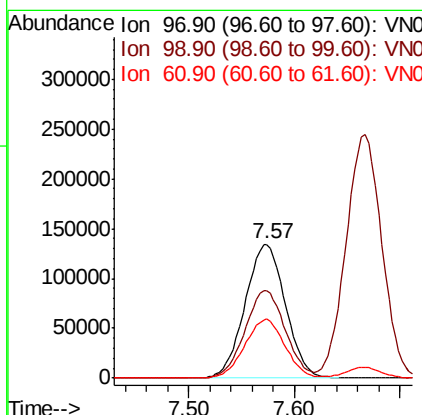
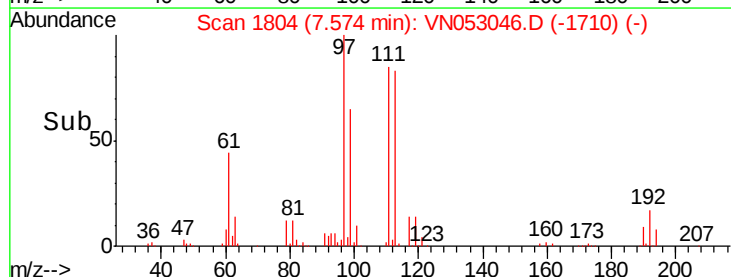
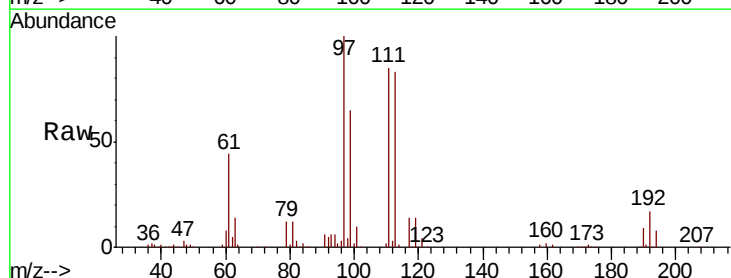
RT: 7.57 min Scan# 1804

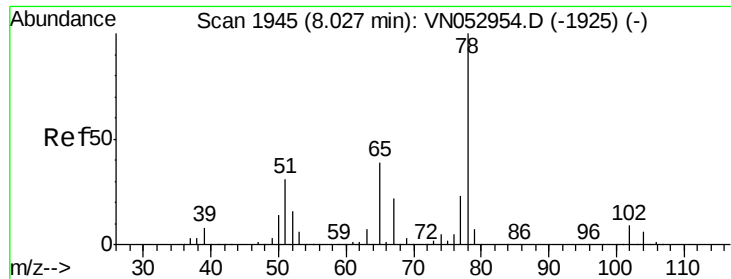
Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Tgt Ion:	97	Resp:	357579
Ion Ratio	Lower	Upper	
97	100		
99	65.5	51.1	76.7
61	43.8	35.0	52.6





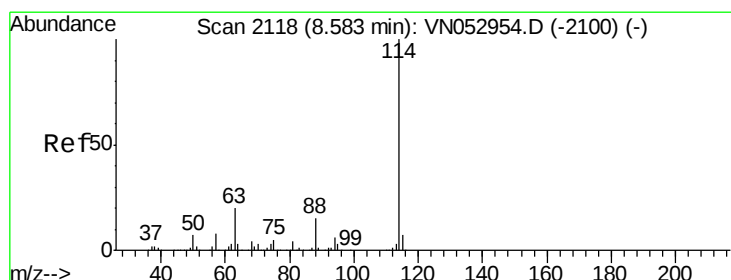
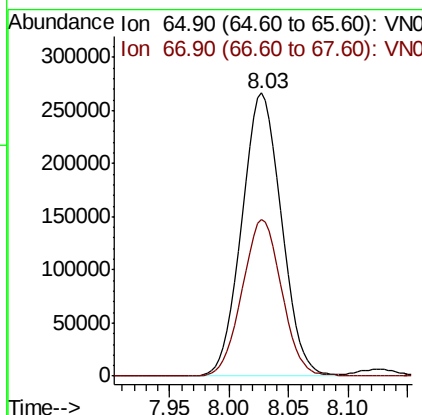
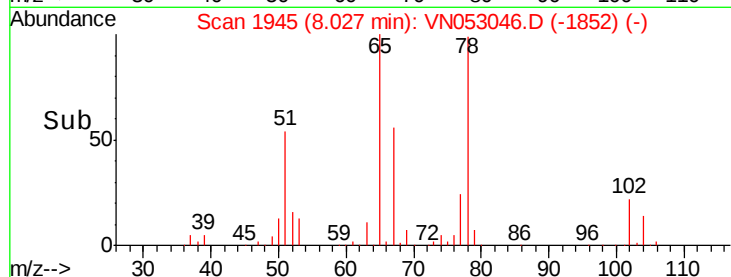
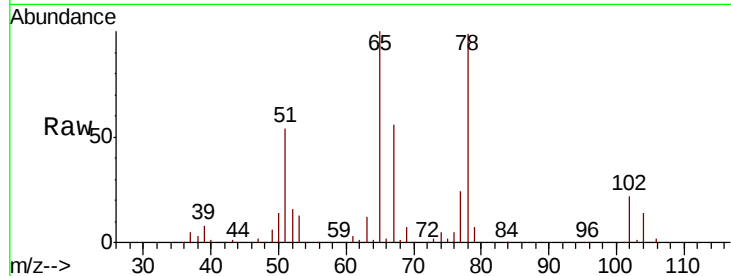
#33
 1,2-Dichloroethane-d4
 Concen: 19.760 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	616072		
67	55.1	0.0	110.4	

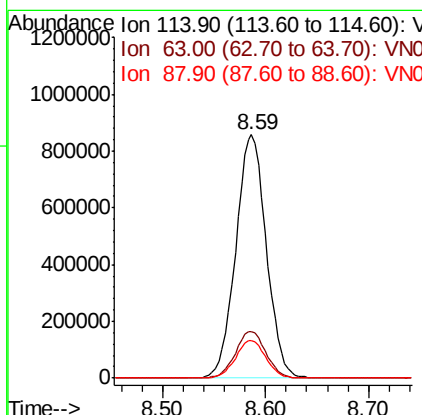
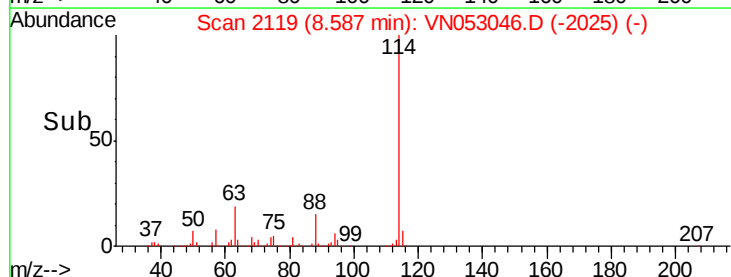
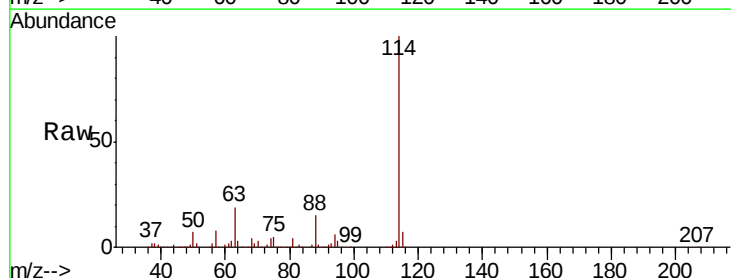
Manual Integrations
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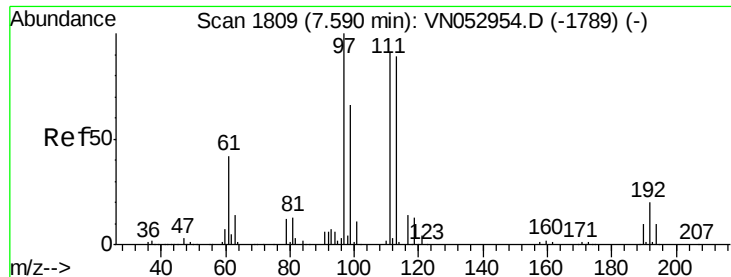
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 12/27/2018 12:38:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1763093		
63	19.3	0.0	39.8	
88	15.4	0.0	31.0	





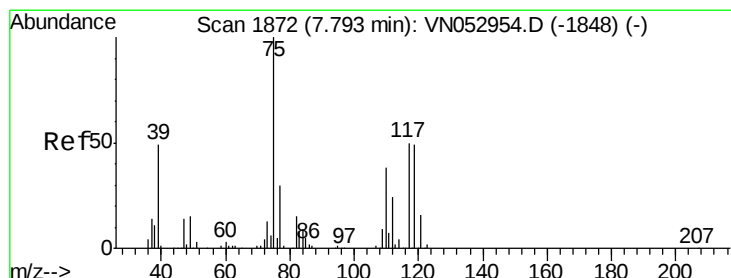
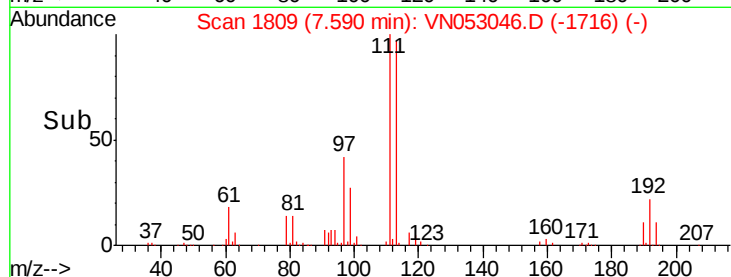
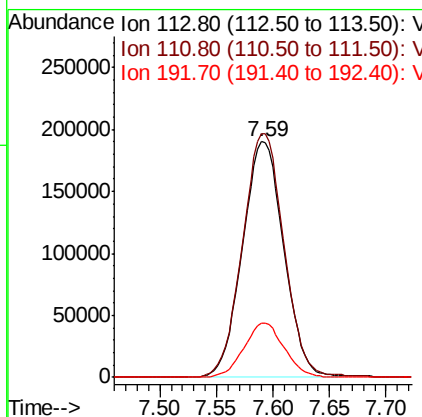
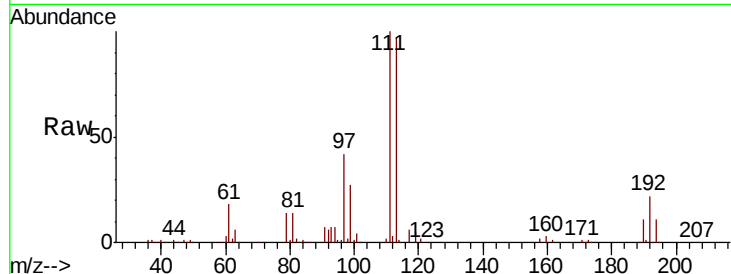
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	483197		
111	104.2	83.0	124.4	
192	22.5	17.5	26.3	

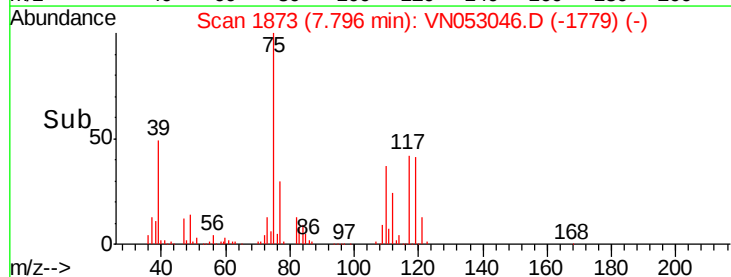
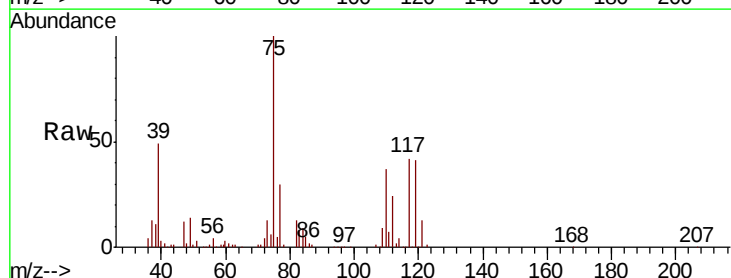
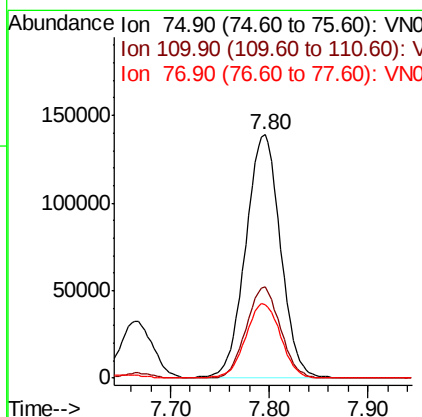
Manual Integrations
APPROVED

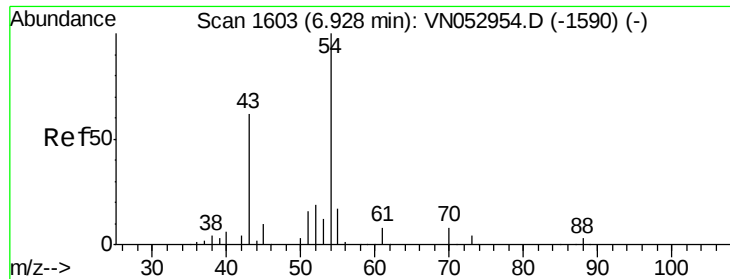
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.907 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	336882		
110	37.0	18.2	54.6	
77	30.9	24.9	37.3	





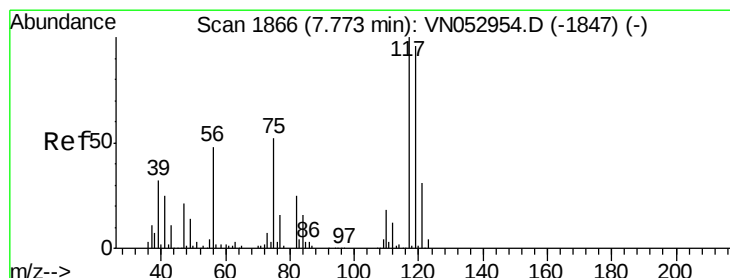
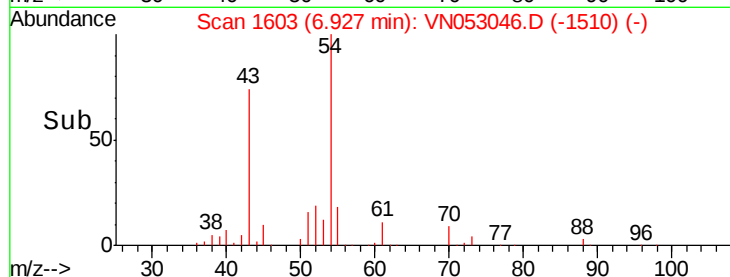
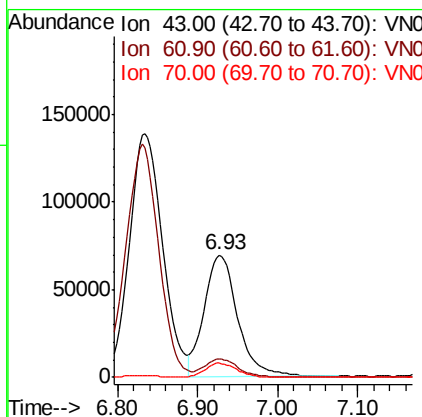
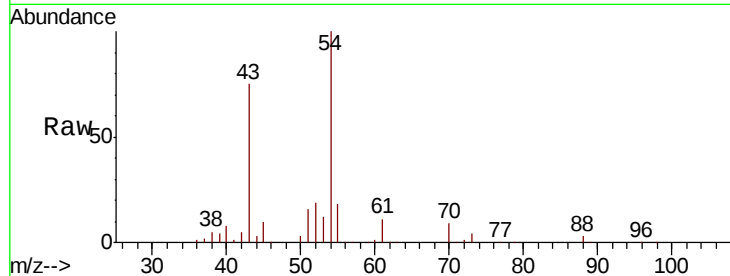
#37
Ethyl Acetate
Concen: 21.522 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion	43	Resp	203321
Ion Ratio	Lower	Upper	
43	100		
61	14.4	11.8	17.6
70	11.0	8.4	12.6

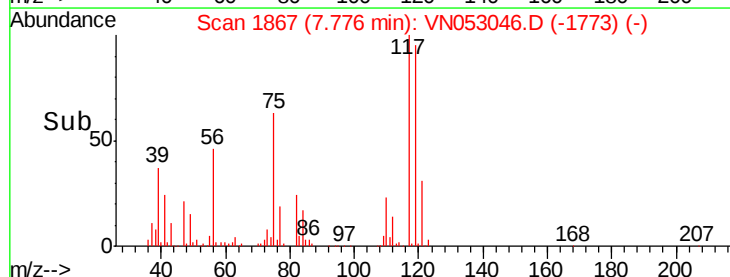
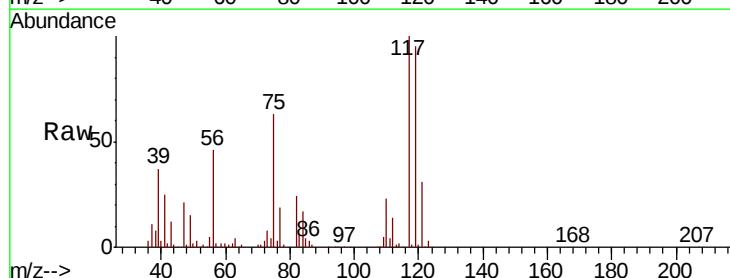
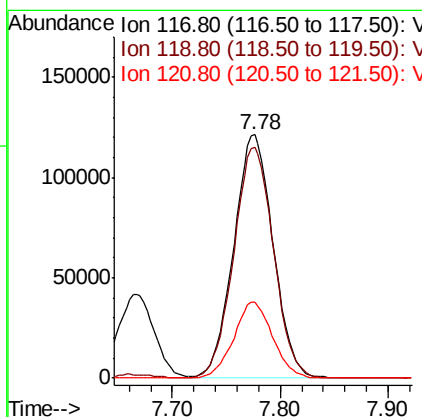
Manual Integrations
APPROVED

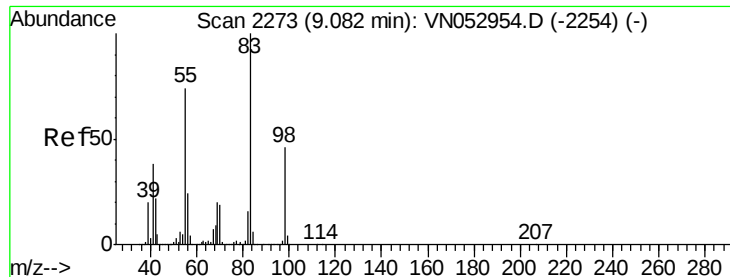
MMDadoda
12/27/2018 12:38:44 PM



#38
Carbon Tetrachloride
Concen: 19.809 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	117	Resp	307262
Ion Ratio	Lower	Upper	
117	100		
119	95.0	77.1	115.7
121	31.2	24.9	37.3





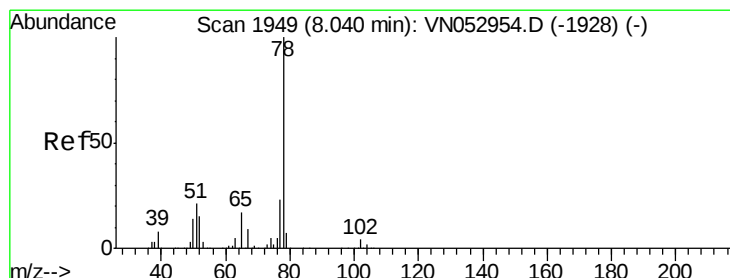
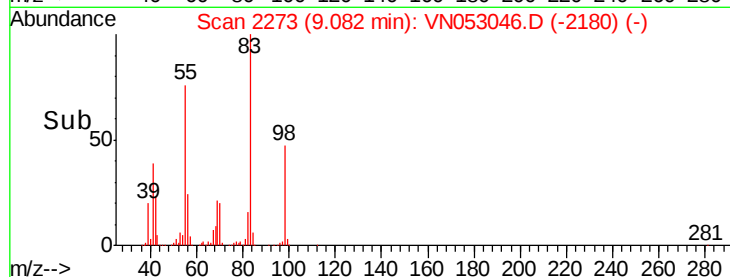
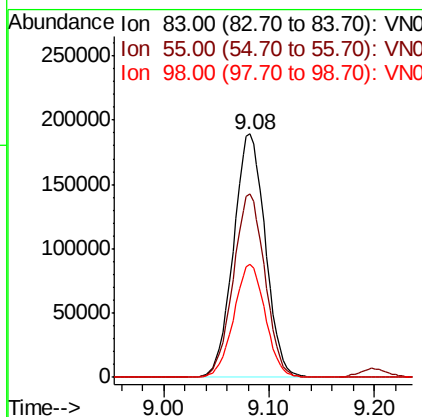
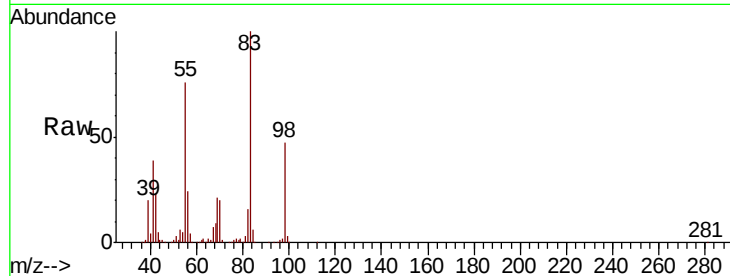
#39
Methvlcvclohexane
Concen: 19.266 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	61.3	91.9
98	46.6	37.0	55.4

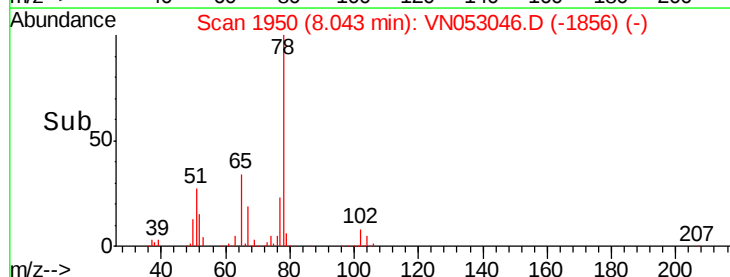
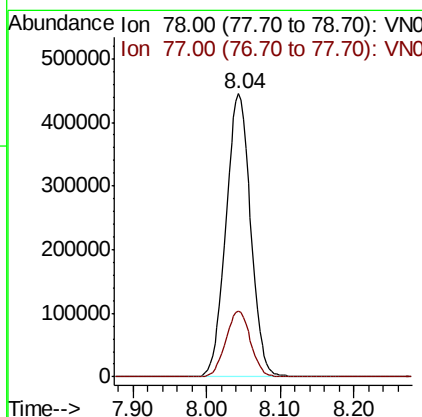
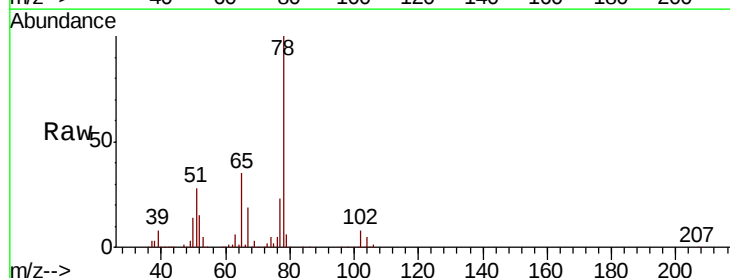
Manual Integrations
APPROVED

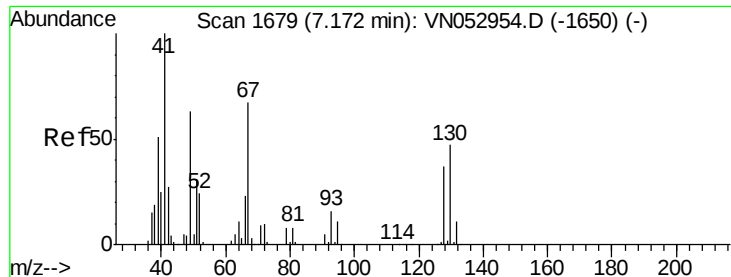
MMDadoda
12/27/2018 12:38:44 PM



#40
Benzene
Concen: 20.541 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.5	27.7





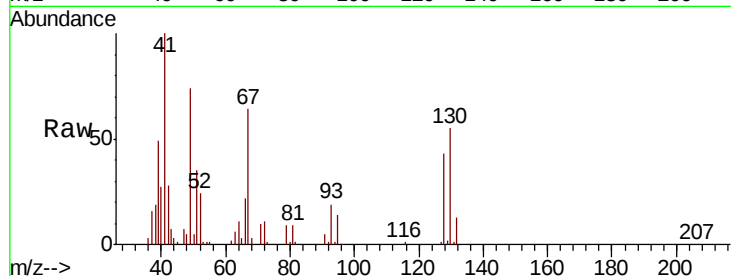
#41
Methacrylonitrile
Concen: 21.266 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

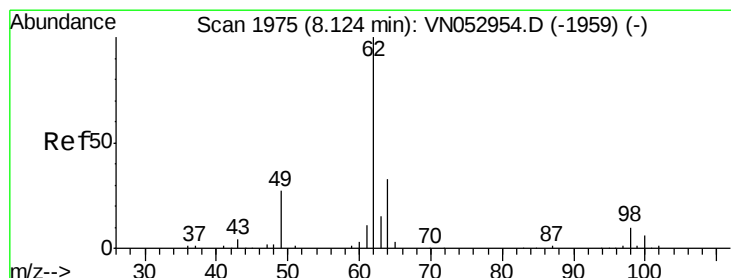
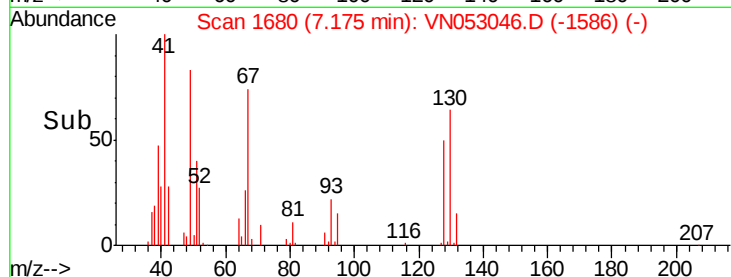
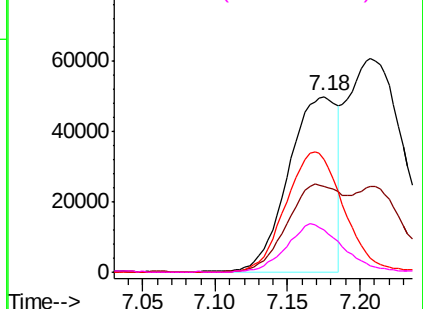
Tot Ion	41	Resp	116079
Ion	Ratio	Lower	Upper
41	100		
39	57.7	48.0	72.0
67	82.3	70.3	105.5
52	32.1	26.9	40.3

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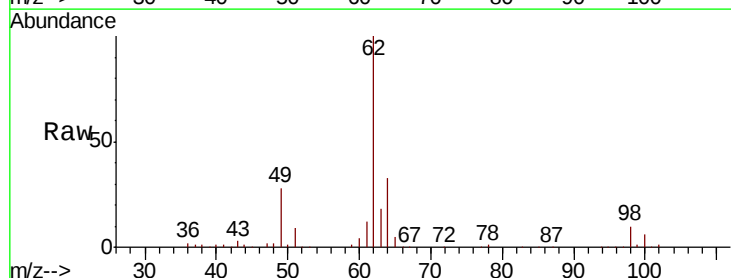


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

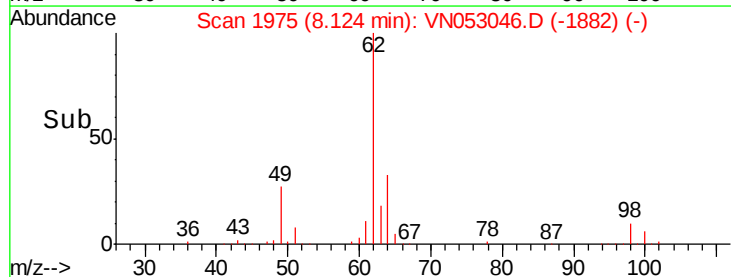
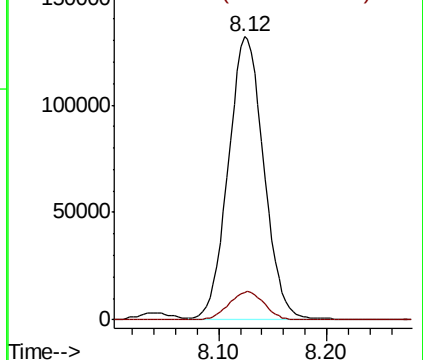


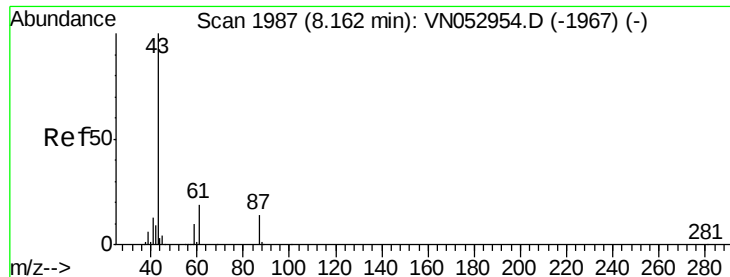
#42
1,2-Dichloroethane
Concen: 20.226 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	62	Resp	300762
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





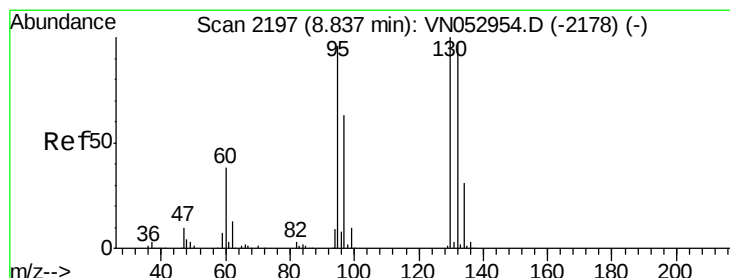
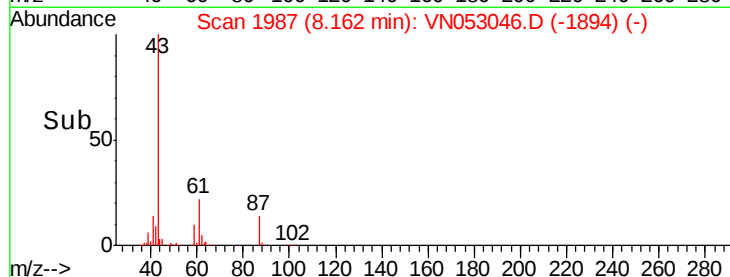
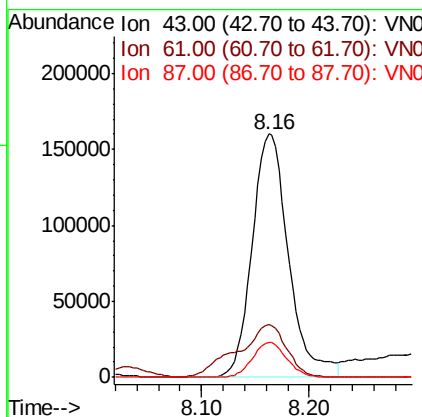
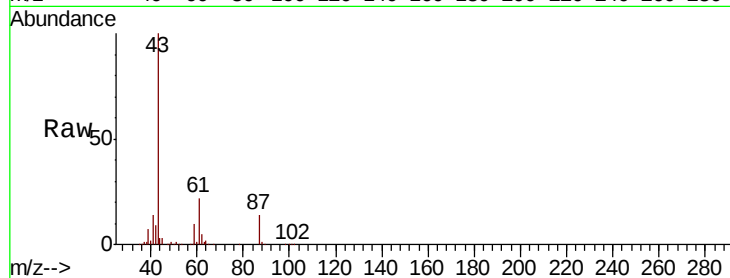
#43
Isopropyl Acetate
Concen: 19.868 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	22.9	34.3
87	13.6	10.6	15.8

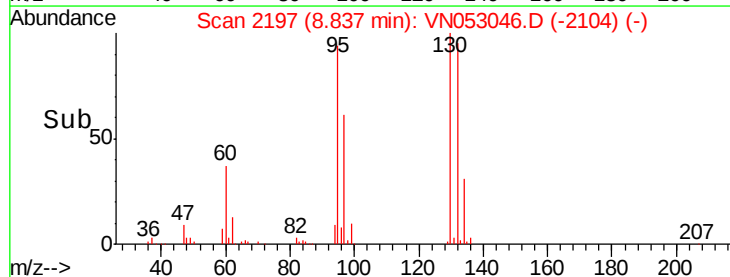
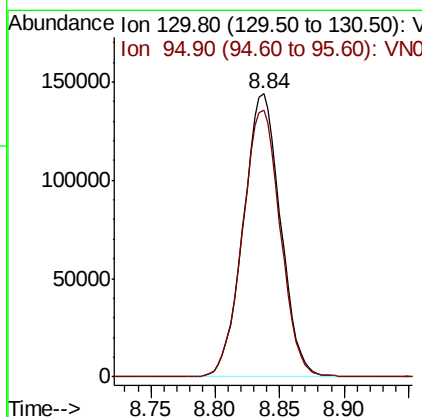
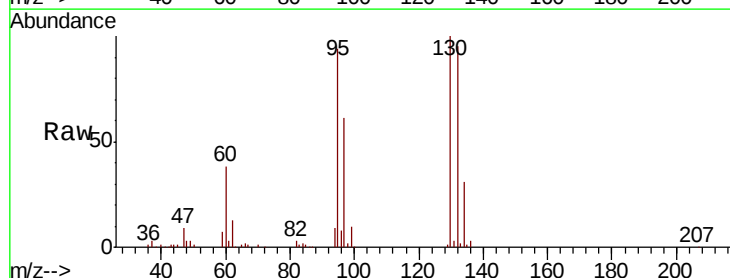
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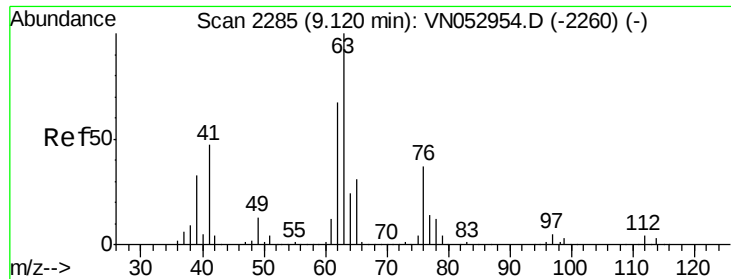
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#44
Trichloroethene
Concen: 19.890 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	197.8





#45

1,2-Dichloropropane

Concen: 20.739 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampled :

VN1220MBS01

Tot Ion: 63 Resp: 271909

Ion Ratio Lower Upper

63 100

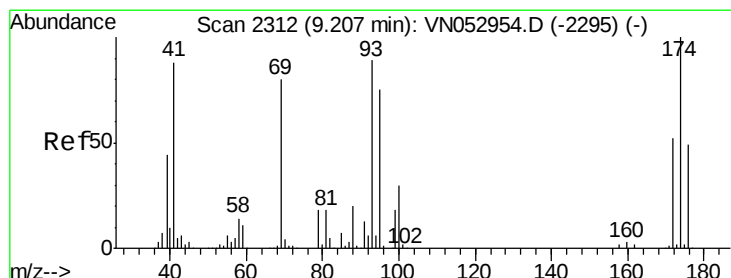
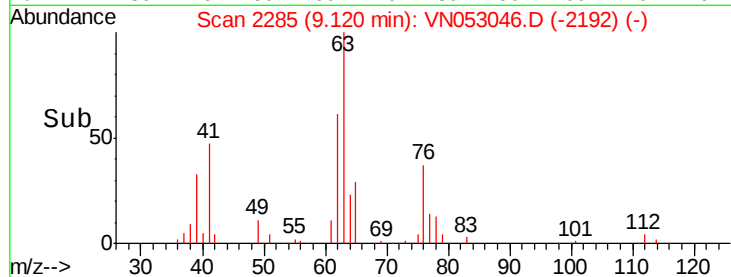
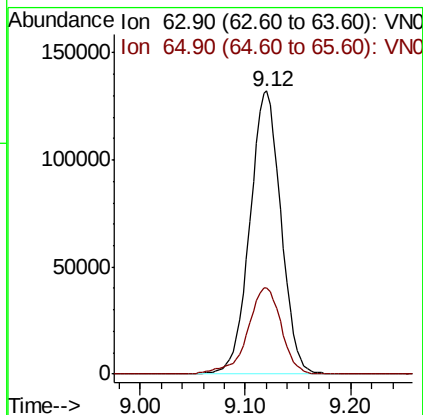
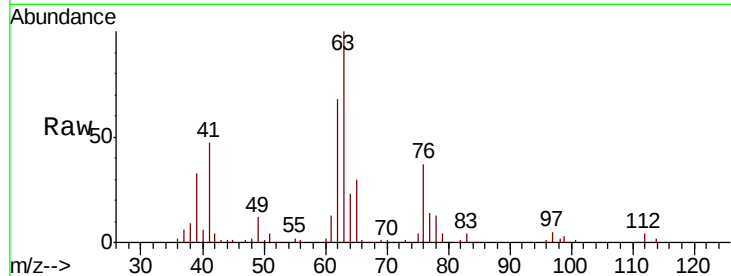
65 30.2 24.6 37.0

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#46

Dibromomethane

Concen: 20.145 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

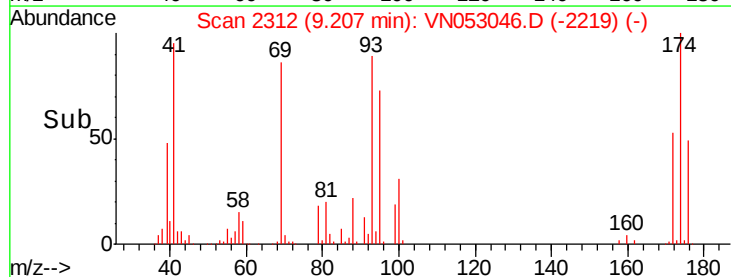
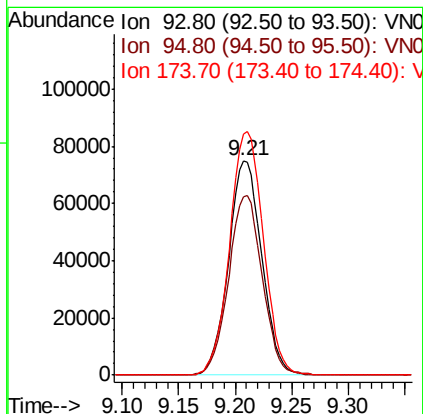
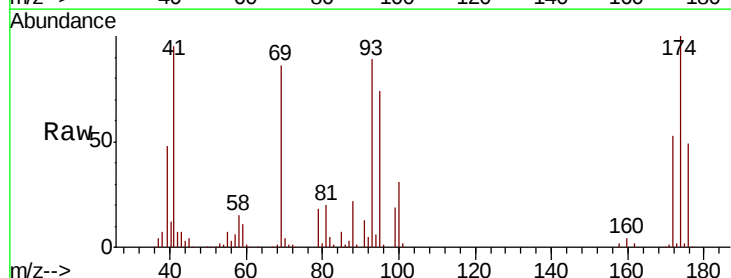
Tgt Ion: 93 Resp: 153865

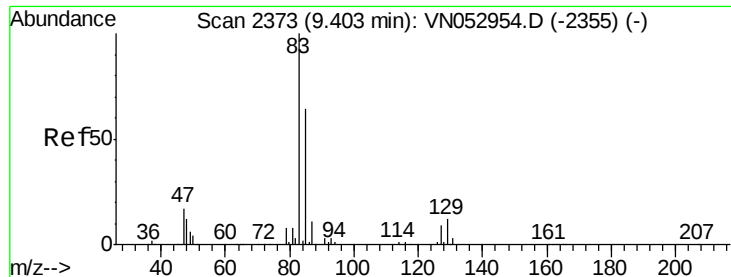
Ion Ratio Lower Upper

93 100

95 84.5 67.8 101.6

174 115.1 89.0 133.4





#47

Bromodichloromethane

Concen: 19.957 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

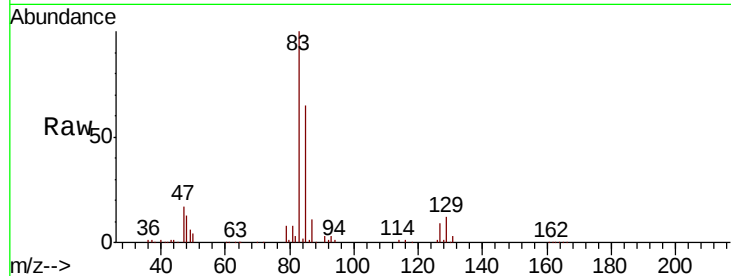
ClientSampleId :

VN1220MBS01

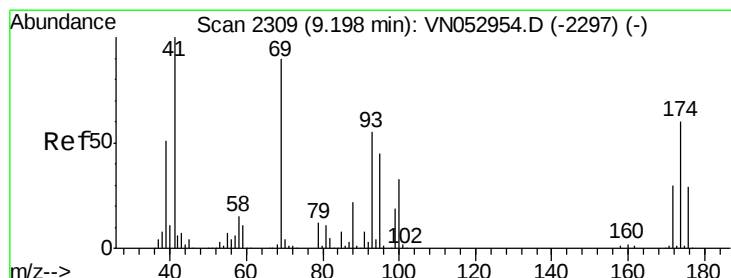
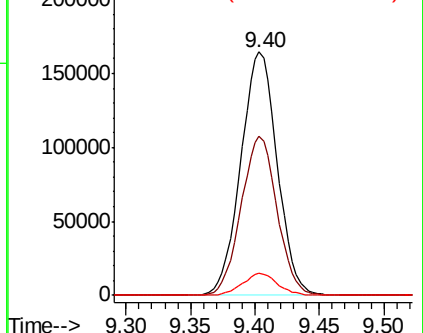
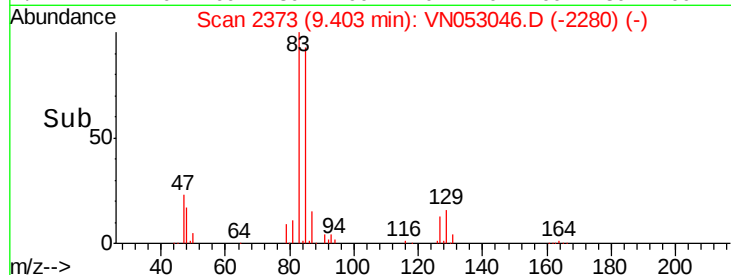
Tot Ion:	83	Resp:	324010
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.6	77.4
127	8.9	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VN053046.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.064 ug/l

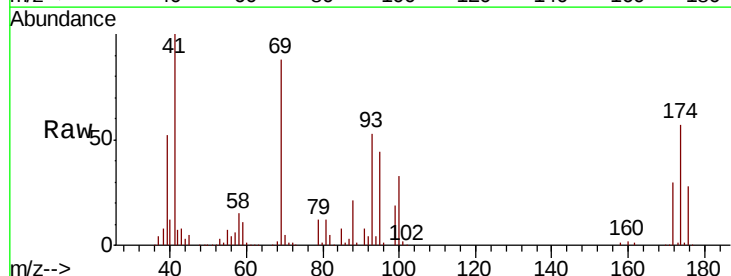
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

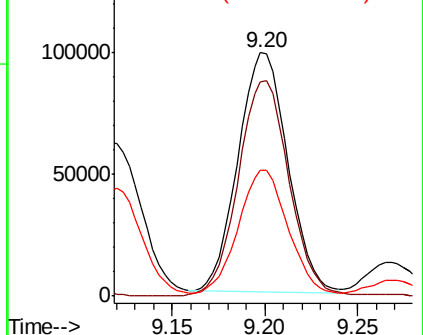
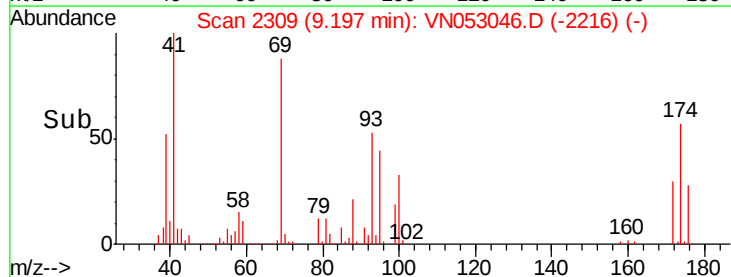
Lab File: VN053046.D

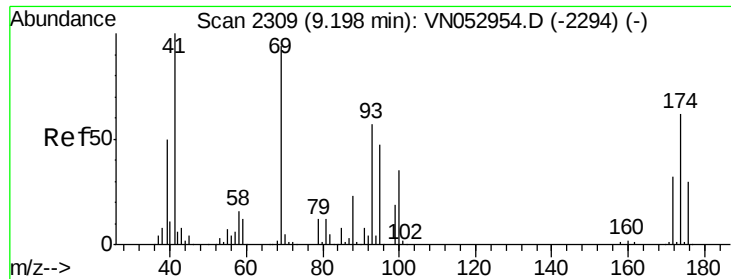
Acq: 20 Dec 2018 10:34

Tgt Ion:	41	Resp:	183931
Ion	Ratio	Lower	Upper
41	100		
69	92.3	72.2	108.2
39	53.1	41.9	62.9



Abundance Ion 41.00 (40.70 to 41.70): VN053046.D (-2216) (-)





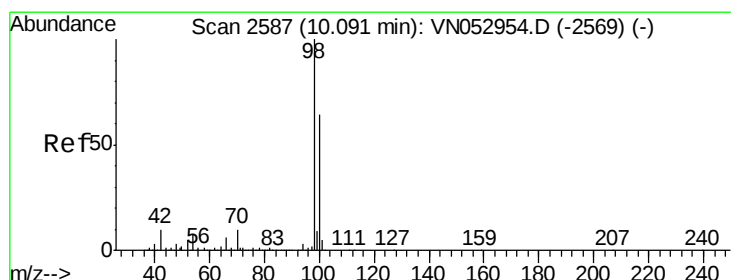
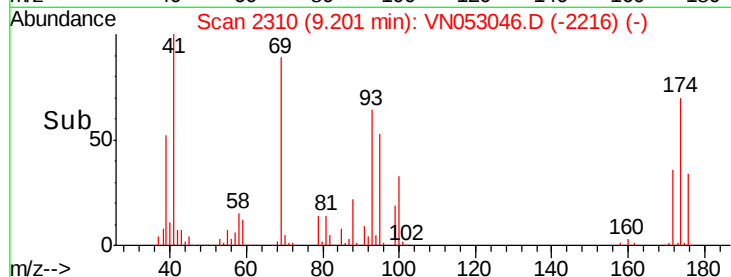
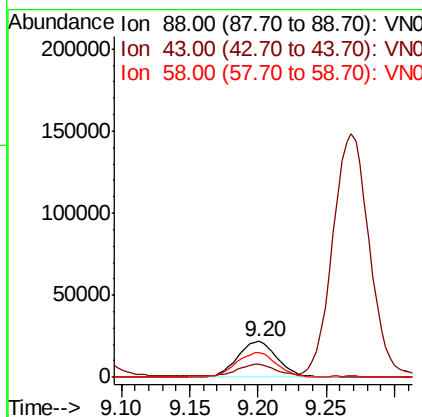
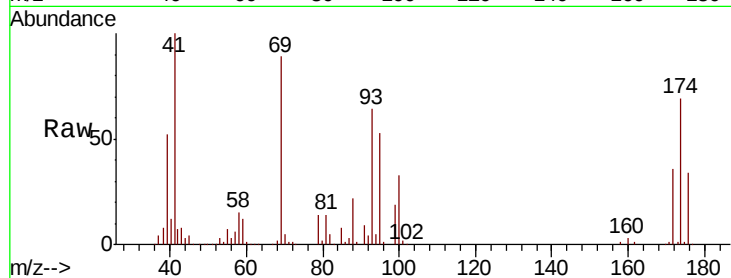
#49
 1,4-Dioxane
 Concen: 384.330 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

Tot Ion	88	Resp	44567
Ion	Ratio	Lower	Upper
88	100		
43	31.2	26.6	40.0
58	70.8	58.4	87.6

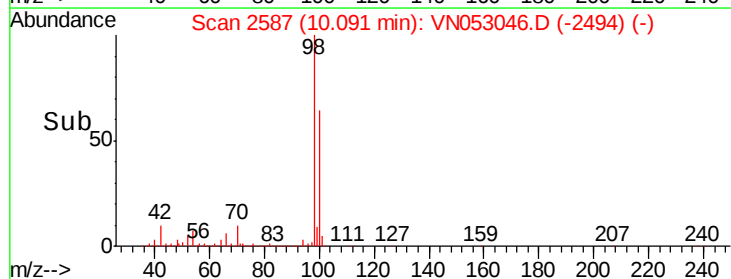
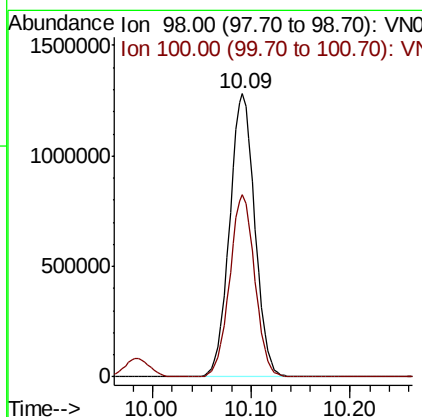
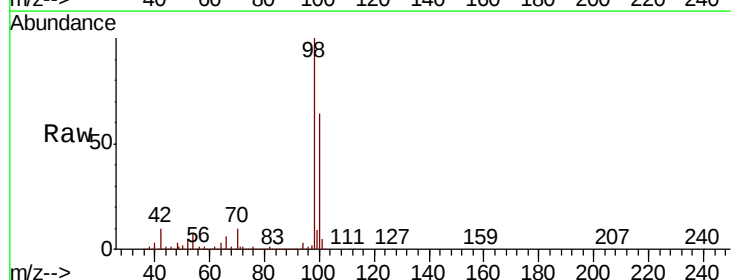
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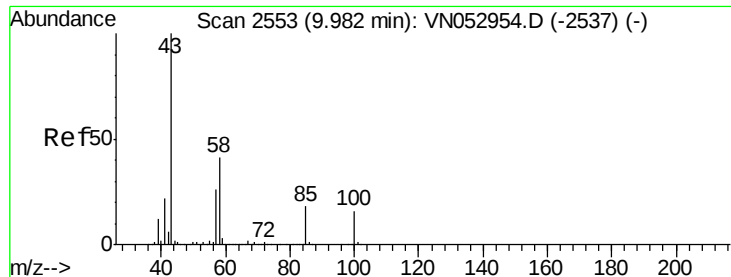
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#50
 Toluene-d8
 Concen: 384.330 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion	98	Resp	2287619
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4





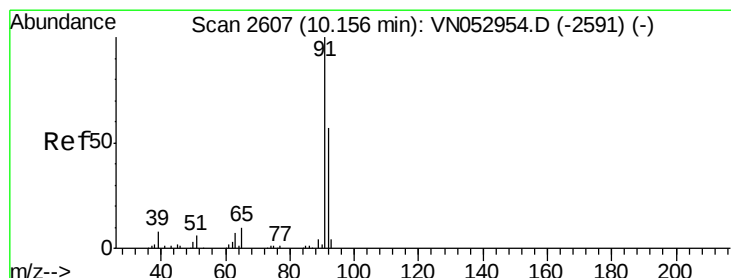
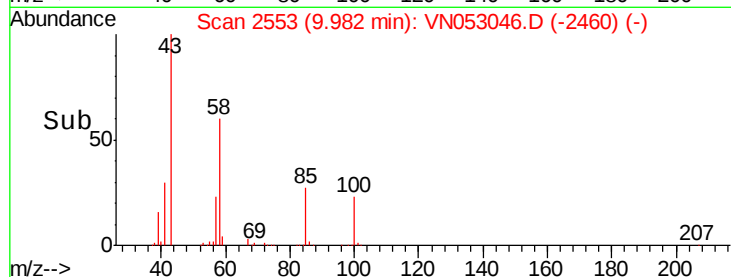
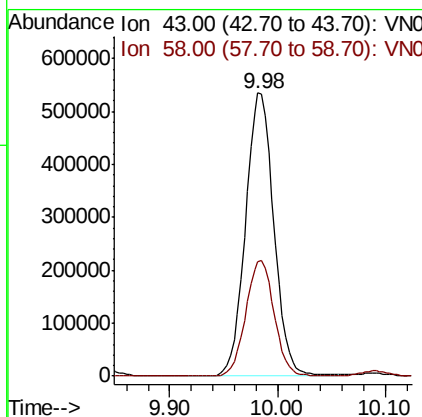
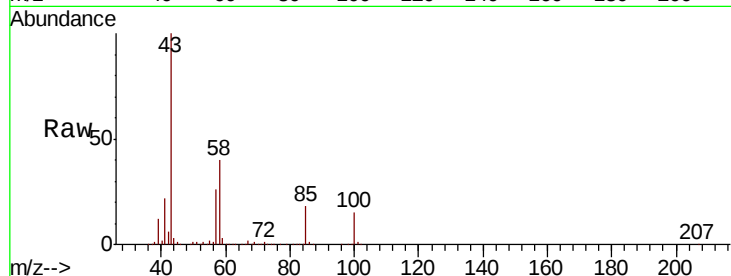
#51
 4-Methyl-2-Pentanone
 Concen: 106.168 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

Tot Ion: 43 Resp: 971303
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.2 48.4

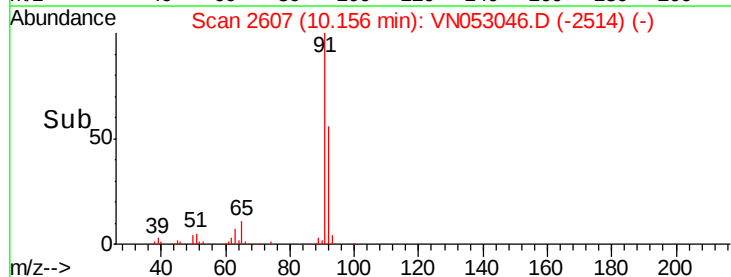
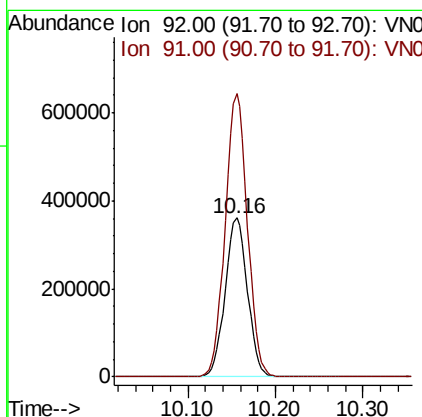
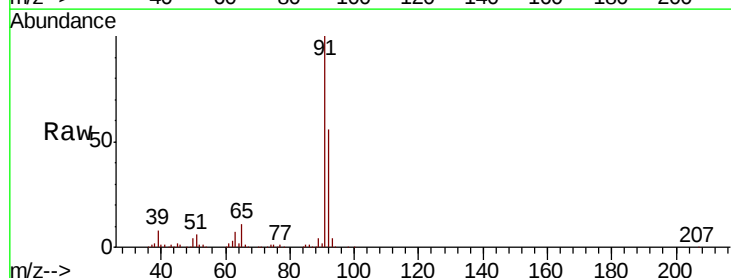
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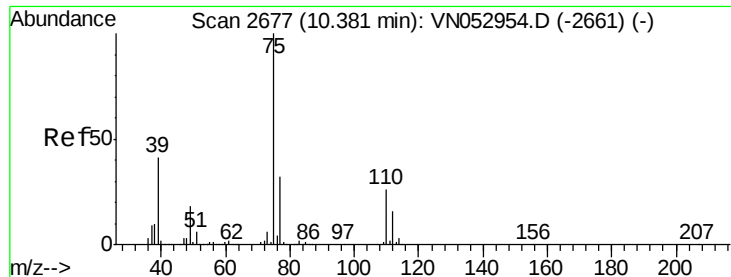
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#52
 Toluene
 Concen: 20.593 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion: 92 Resp: 642507
 Ion Ratio Lower Upper
 92 100
 91 176.7 139.8 209.6





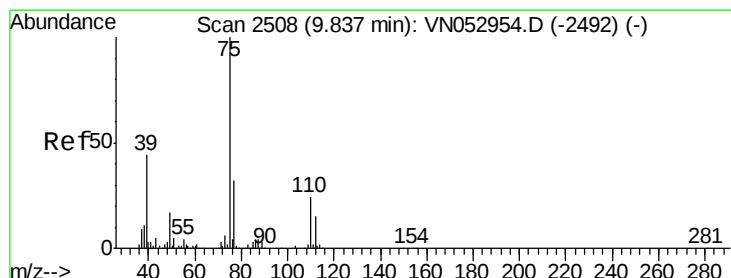
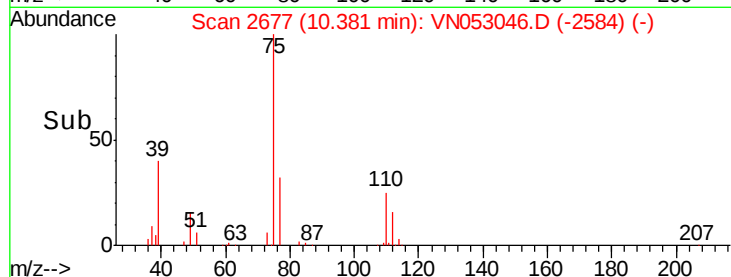
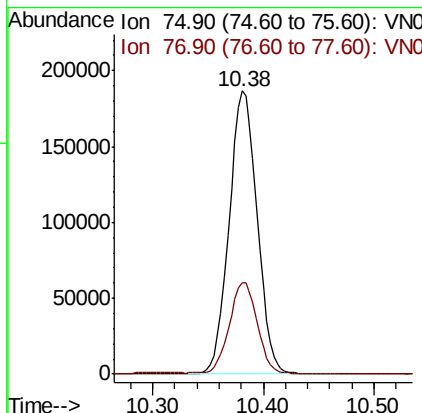
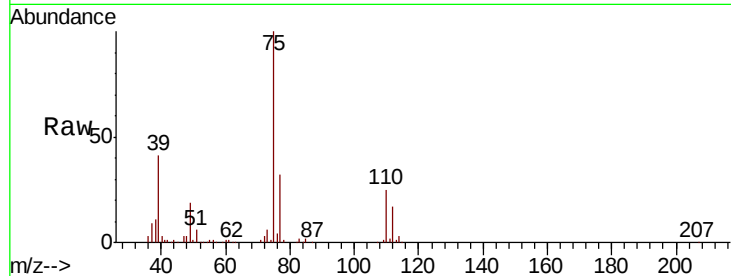
#53
t-1,3-Dichloropropene
Concen: 19.309 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.6	38.4

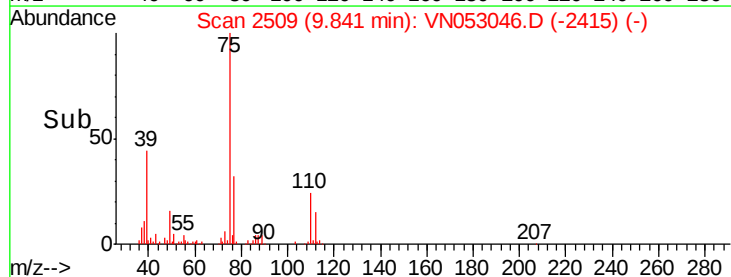
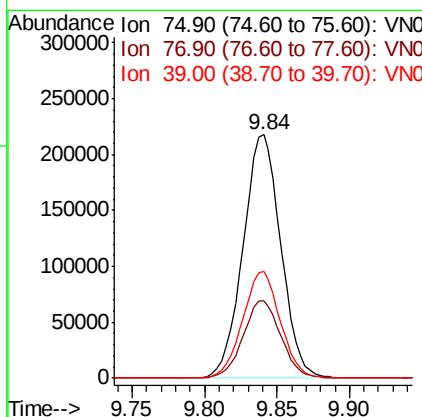
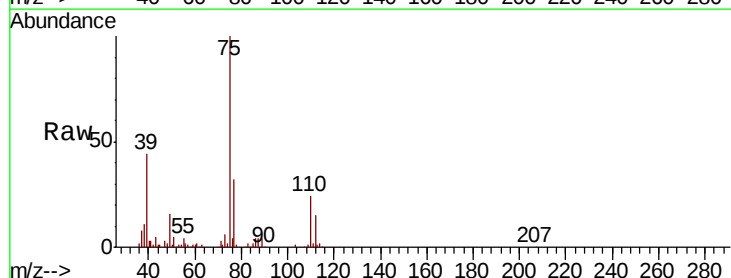
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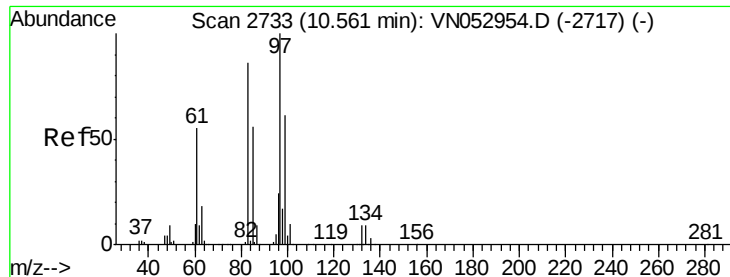
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#54
cis-1,3-Dichloropropene
Concen: 20.141 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.8
39	43.7	34.8	52.2





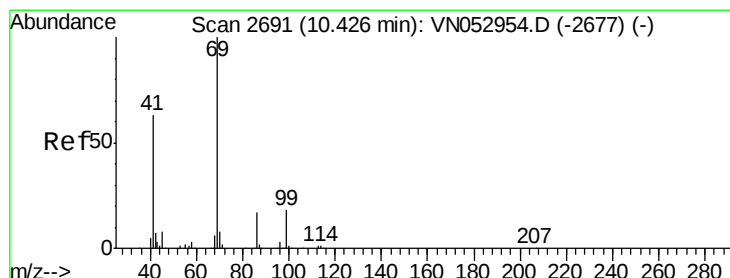
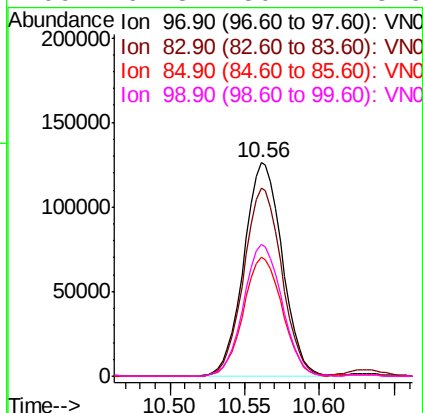
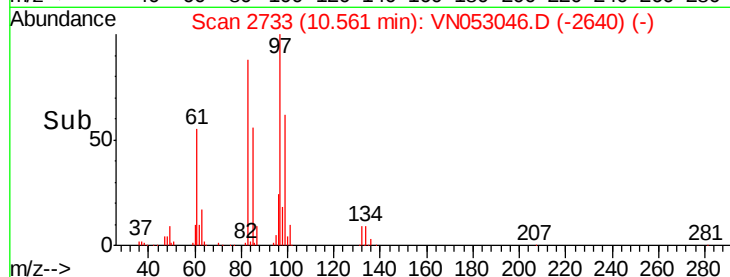
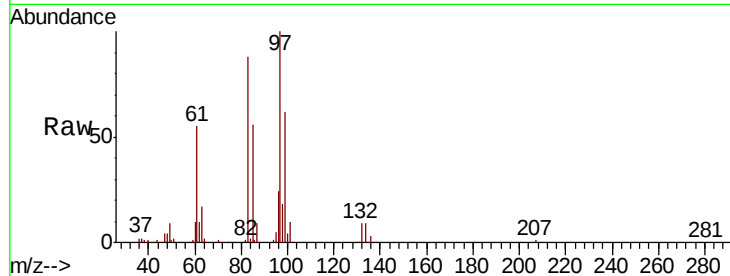
#55
 1,1,2-Trichloroethane
 Concen: 20.736 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		225702		
83	88.0	70.9	106.3		
85	55.6	45.4	68.2		
99	61.8	50.4	75.6		

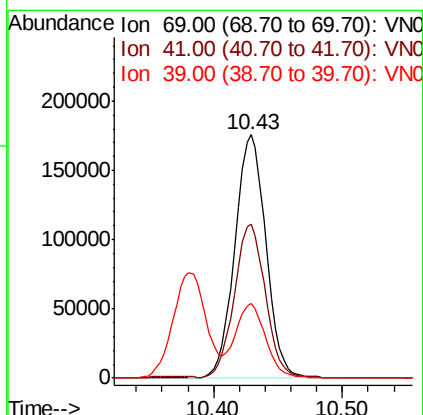
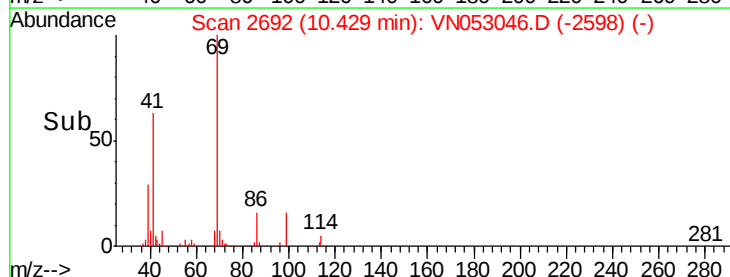
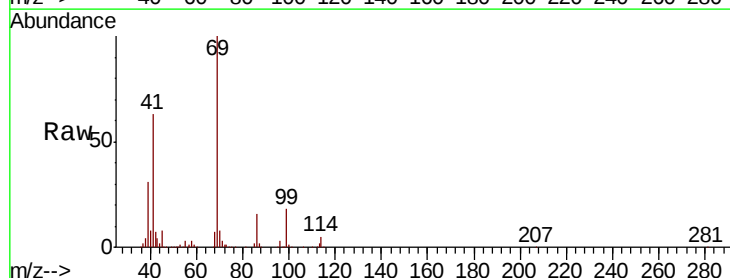
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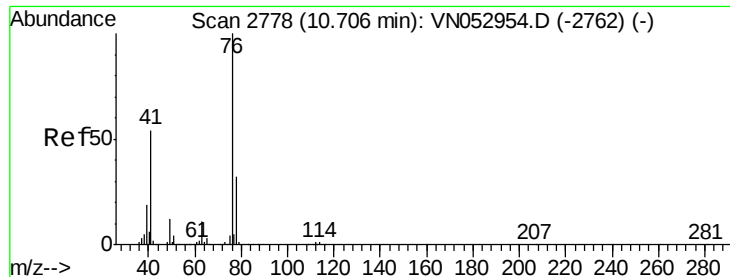
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#56
 Ethyl methacrylate
 Concen: 20.420 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		294183		
41	62.7	51.7	77.5		
39	29.9	24.6	37.0		





#57

1,3-Dichloropropane

Concen: 20.766 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

Tot Ion: 76 Resp: 387591

Ion Ratio Lower Upper

76 100

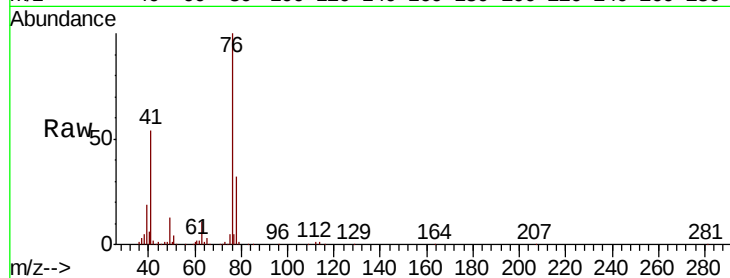
78 32.1 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN053046.D (-2685) (-)

Ion 77.90 (77.60 to 78.60): VN053046.D (-2685) (-)

250000

200000

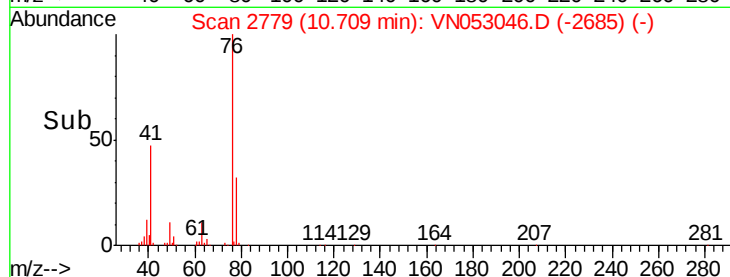
150000

100000

50000

0

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 104.119 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053046.D

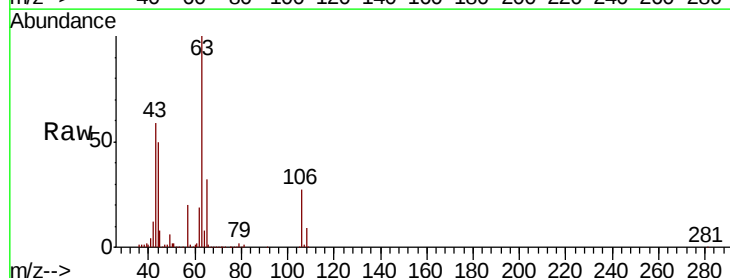
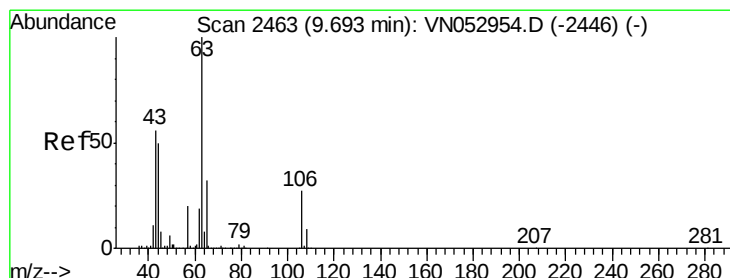
Acq: 20 Dec 2018 10:34

Tgt Ion: 63 Resp: 823505

Ion Ratio Lower Upper

63 100

106 27.3 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN053046.D (-2370) (-)

Ion 105.90 (105.60 to 106.60): VN053046.D (-2370) (-)

500000

400000

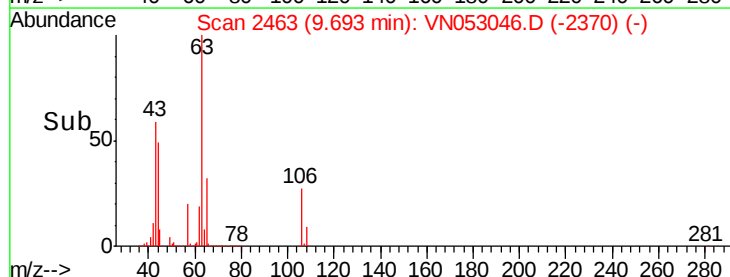
300000

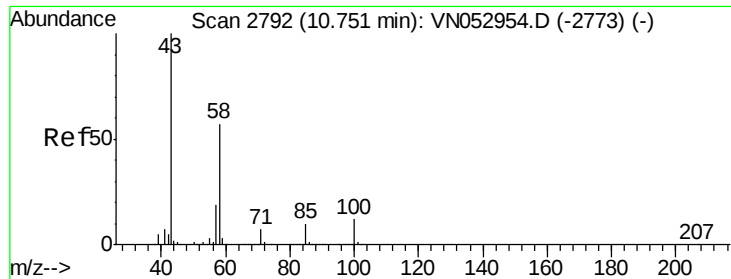
200000

100000

0

9.60 9.70 9.80





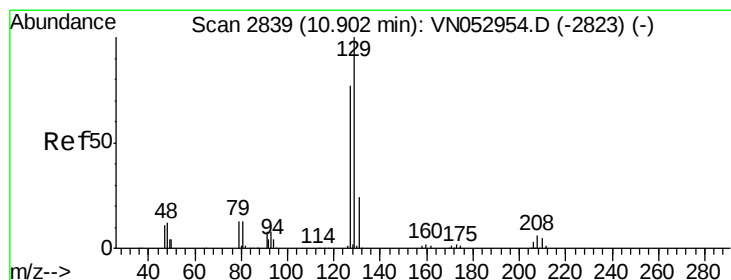
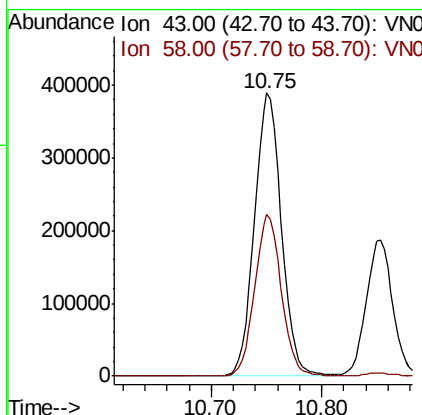
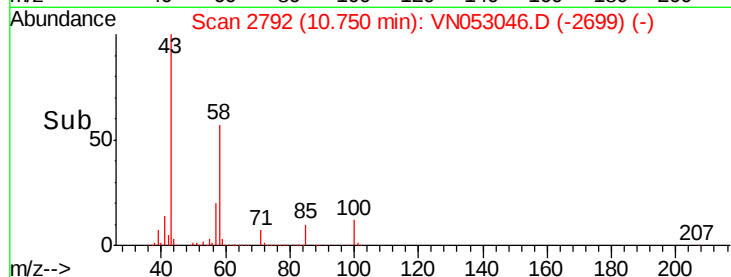
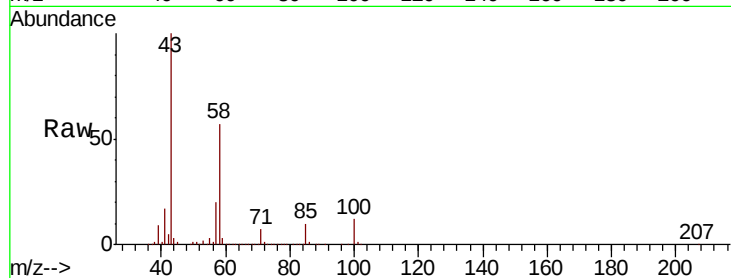
#59
2-Hexanone
Concen: 106.313 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion: 43 Resp: 658066
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3

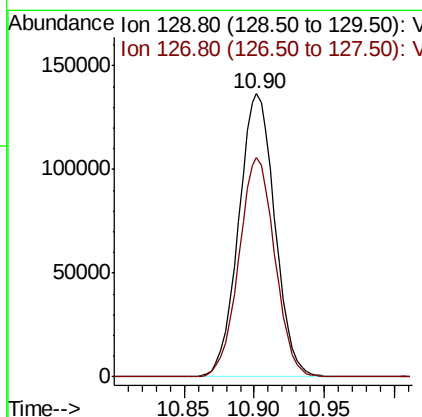
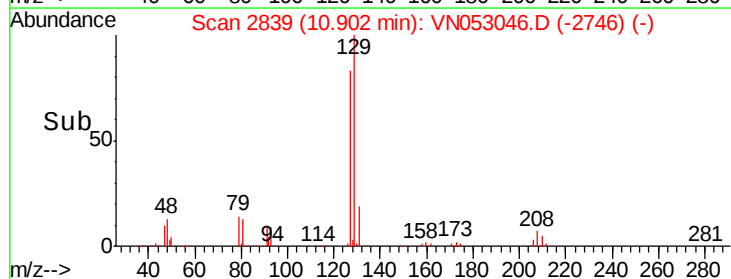
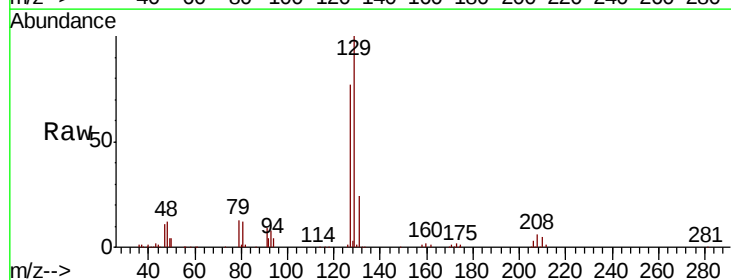
Manual Integrations
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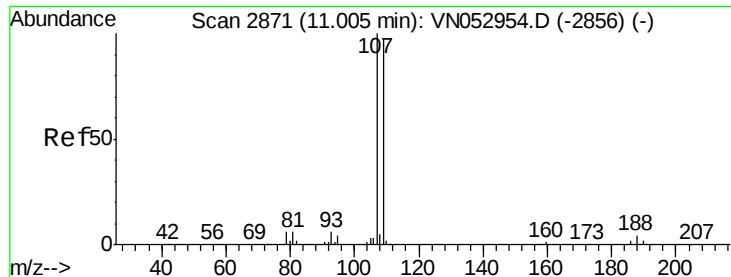
MMDadoda
12/27/2018 12:38:44 PM



#60
Dibromochloromethane
Concen: 19.695 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 129 Resp: 245392
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





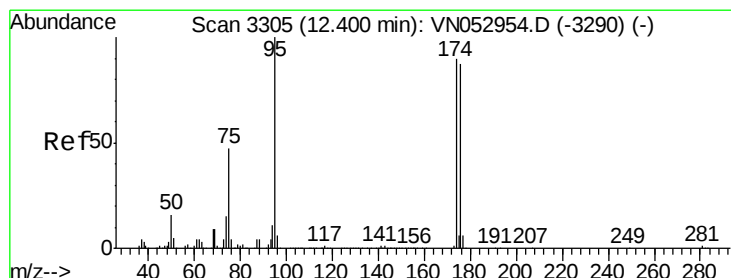
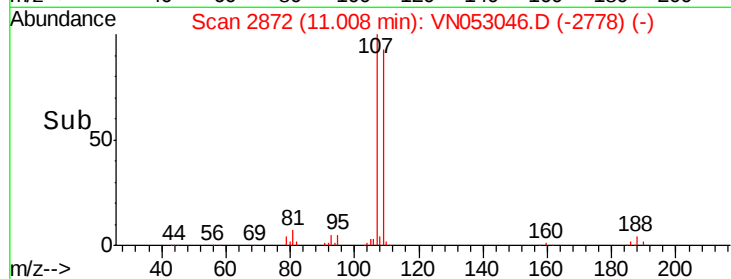
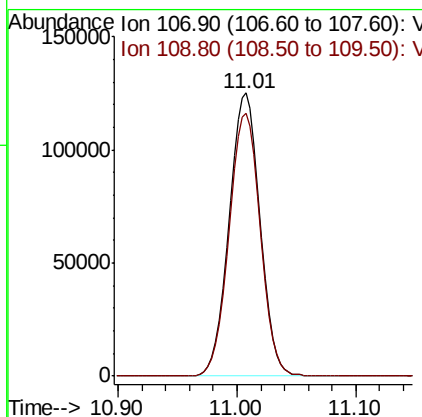
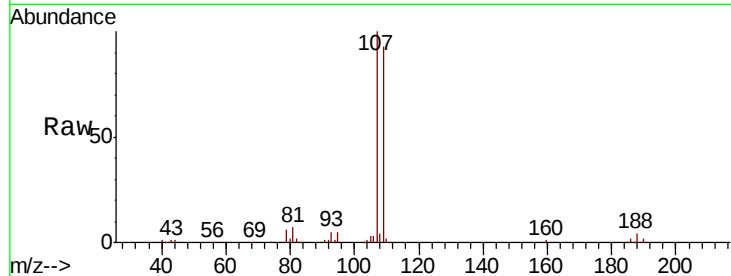
#61
 1,2-Dibromoethane
 Concen: 20.323 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.0

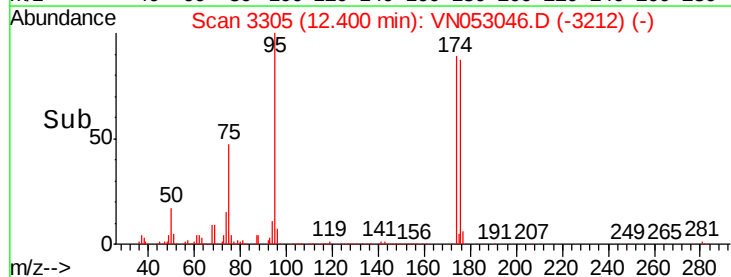
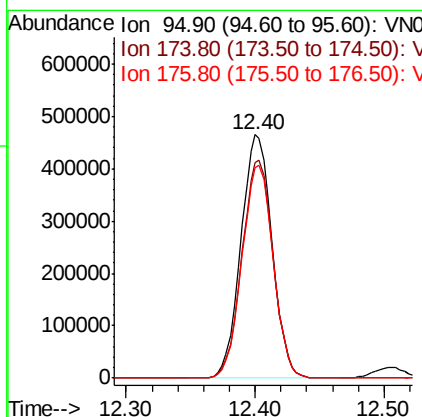
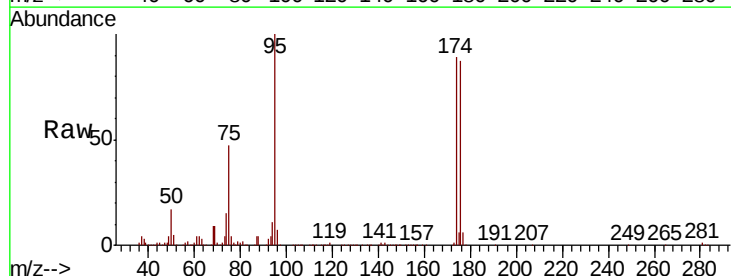
Manual Integrations
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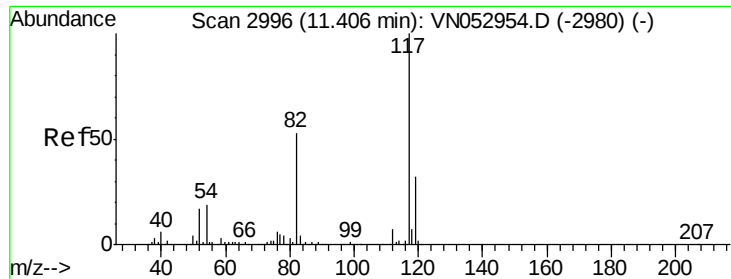
MMDadoda
 12/27/2018 12:38:44 PM



#62
 4-Bromofluorobenzene
 Concen: 20.323 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	178.8
176	88.0	0.0	173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

Tot Ion:117 Resp: 1577899

Ion Ratio Lower Upper

117 100

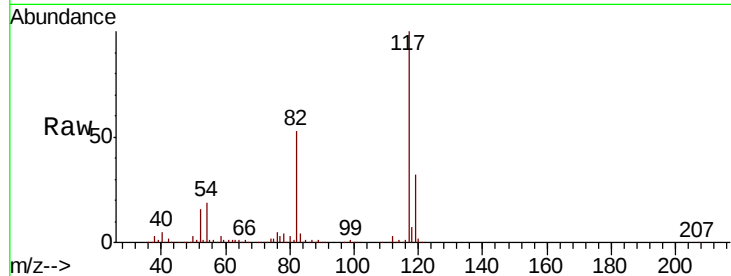
82 53.0 42.8 64.2

119 32.3 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

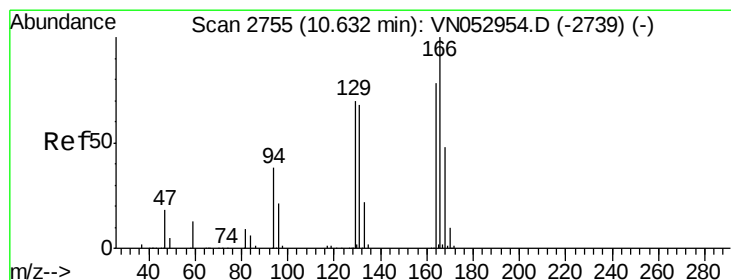
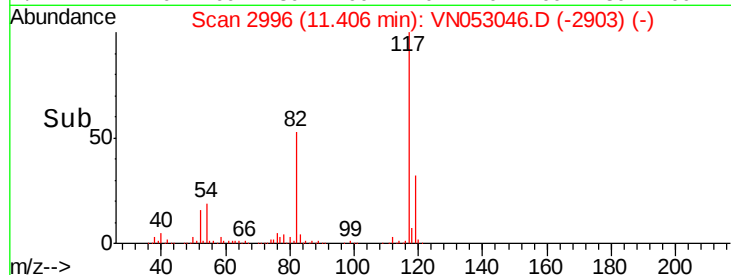
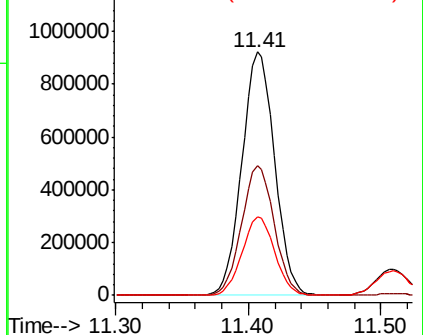
12/27/2018 12:38:44 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.397 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Tgt Ion:164 Resp: 331533

Ion Ratio Lower Upper

164 100

166 126.9 102.9 154.3

129 89.8 73.7 110.5

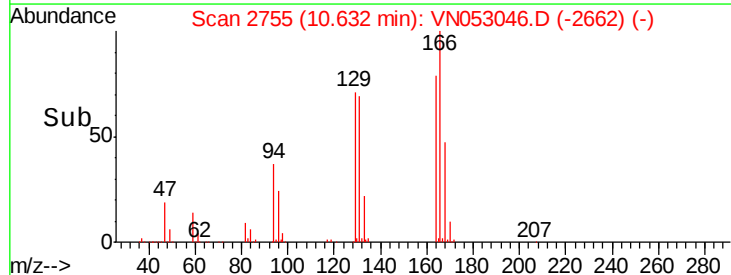
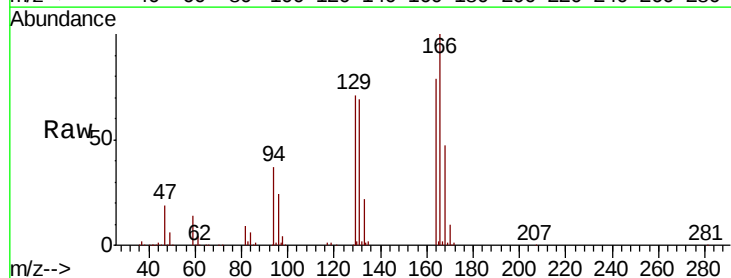
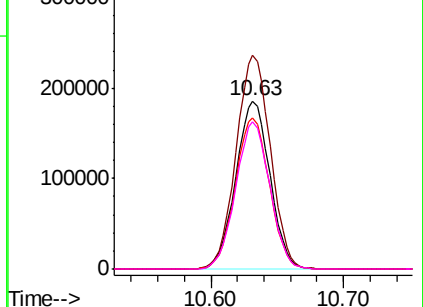
131 87.5 70.7 106.1

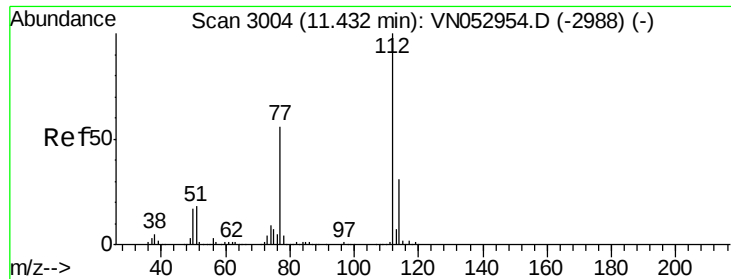
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





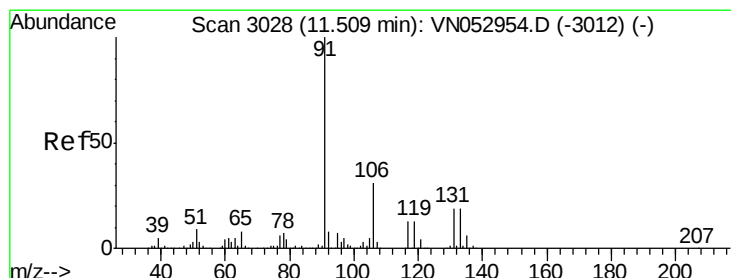
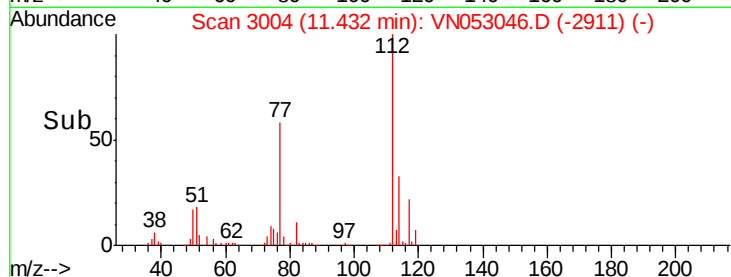
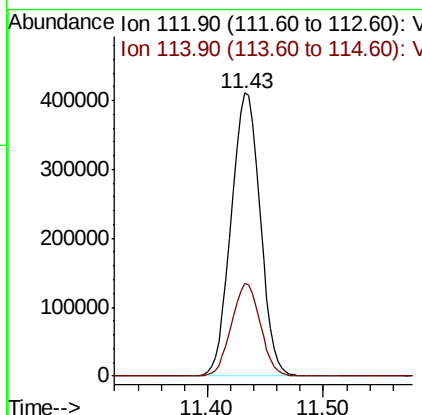
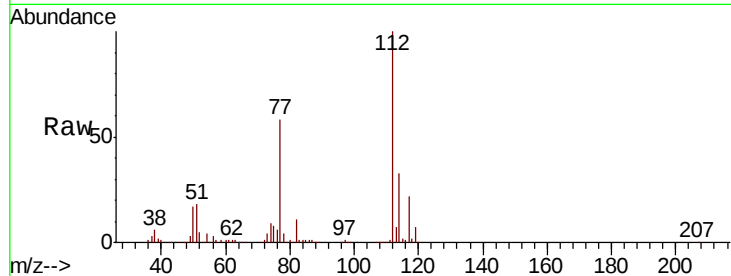
#65
Chlorobenzene
Concen: 20.298 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.5	38.3

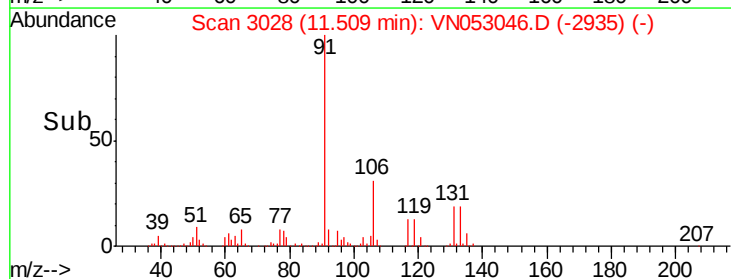
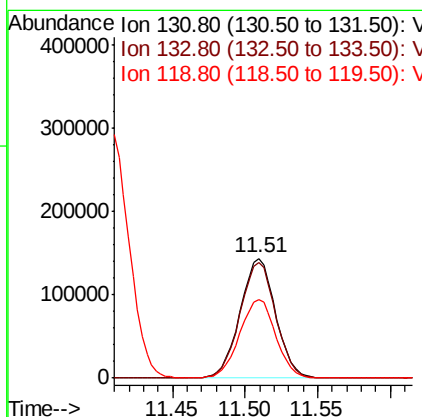
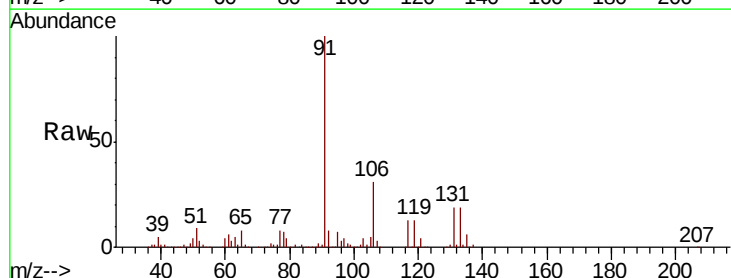
Manual Integrations
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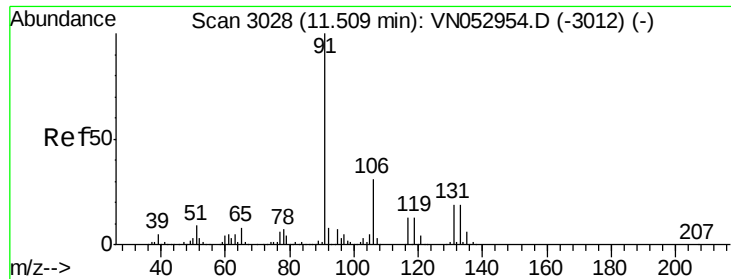
MMDadoda
12/27/2018 12:38:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.141 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.6	142.9
119	66.7	33.3	99.8





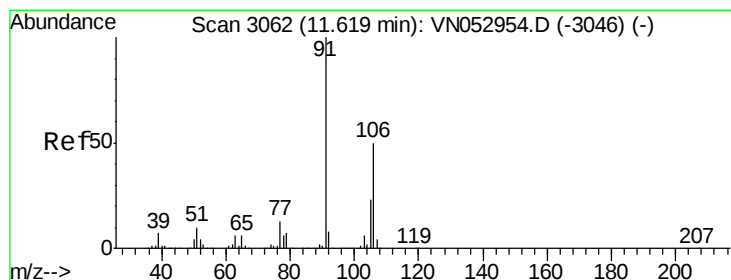
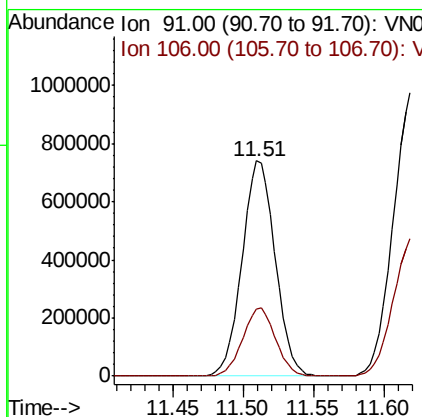
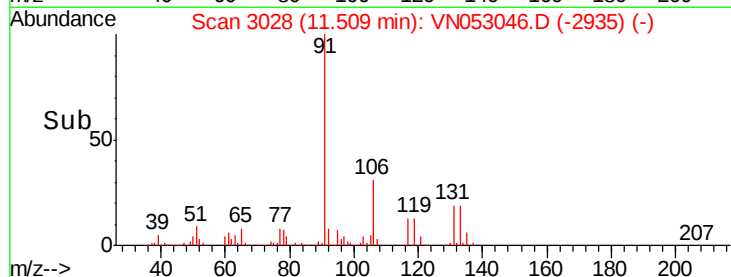
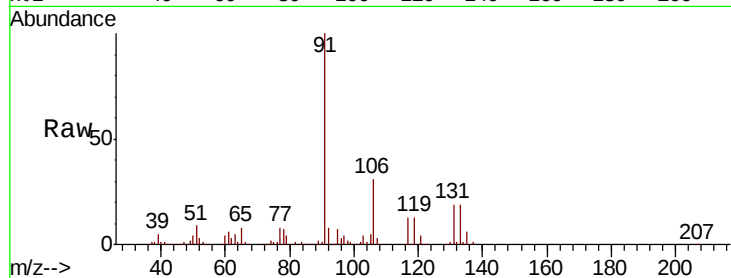
#67
Ethyl Benzene
Concen: 20.278 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampled :
VN1220MBS01

Tot Ion: 91 Resp: 1219780
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3

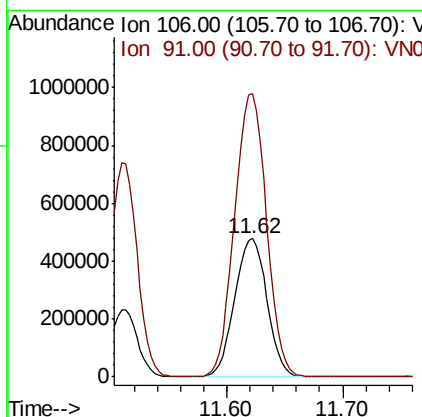
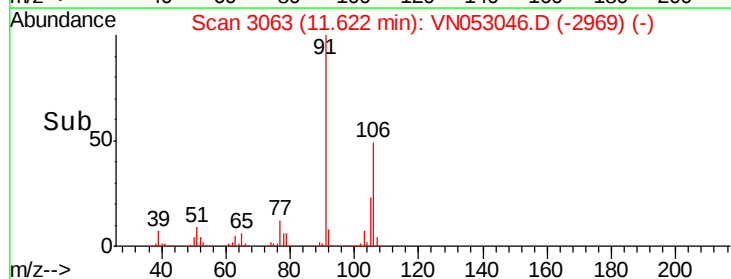
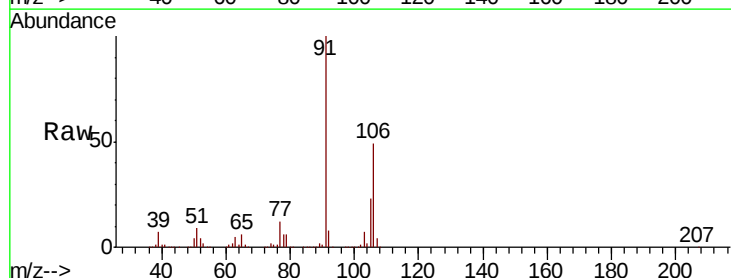
Manual Integrations
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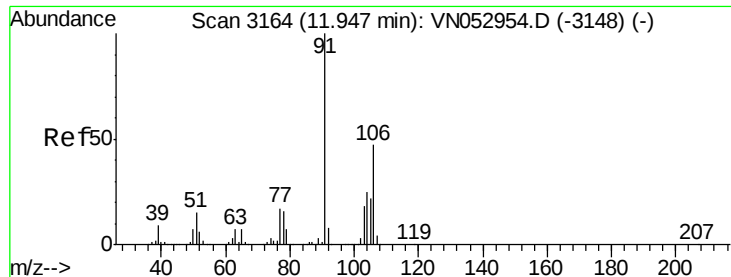
MMDadoda
12/27/2018 12:38:44 PM



#68
m/p-Xylenes
Concen: 40.376 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 106 Resp: 923286
Ion Ratio Lower Upper
106 100
91 202.2 162.2 243.4





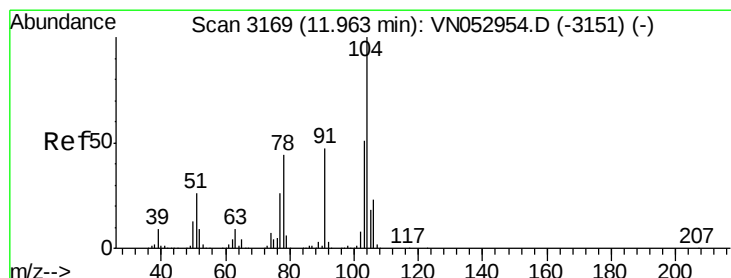
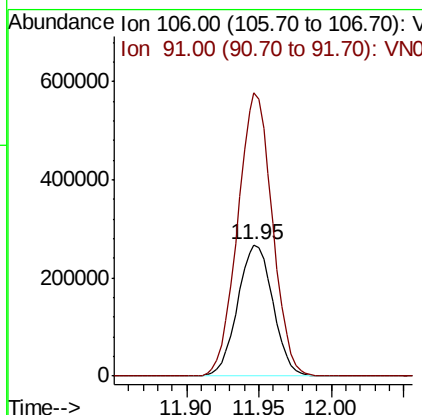
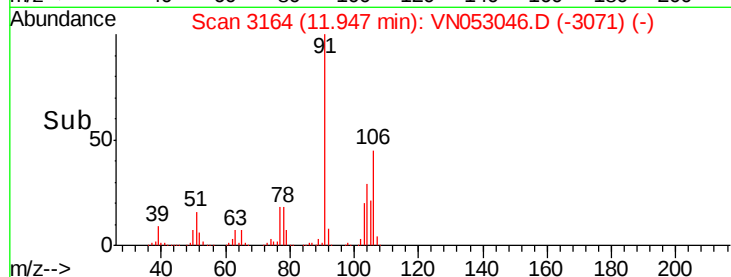
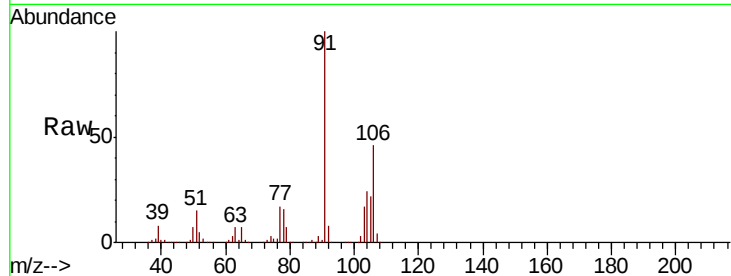
#69
o-Xylene
Concen: 20.591 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		451834		
91	211.5	106.6	319.8		

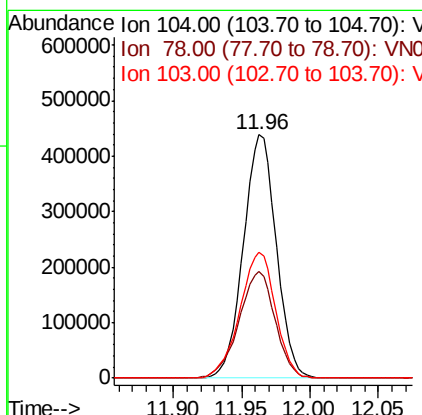
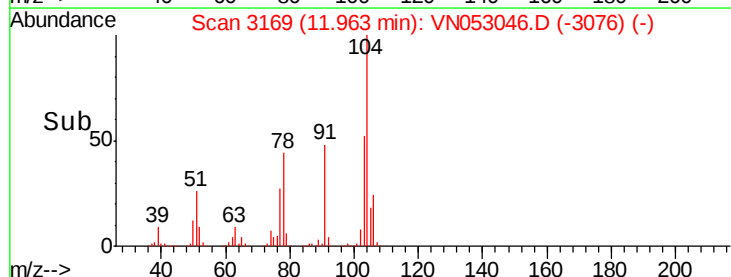
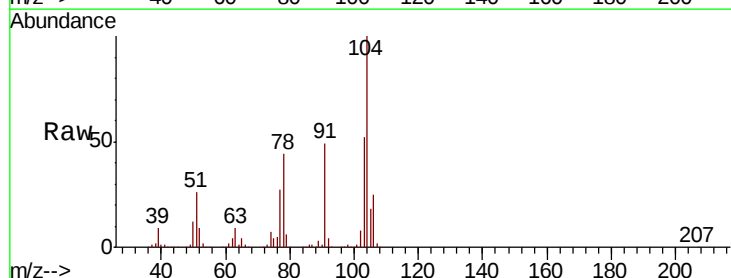
Manual Integrations
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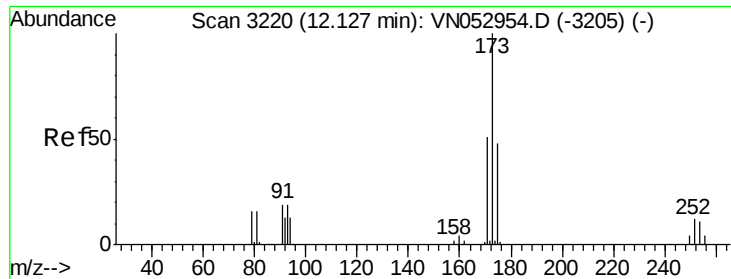
MMDadoda
12/27/2018 12:38:44 PM



#70
Styrene
Concen: 20.507 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		733749		
78	48.1	38.9	58.3		
103	56.1	44.3	66.5		





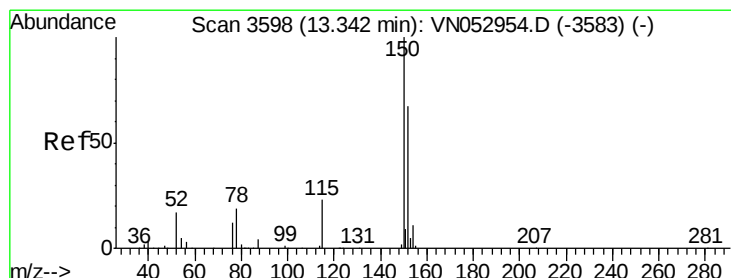
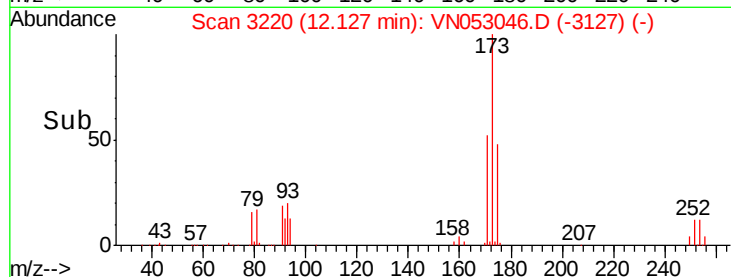
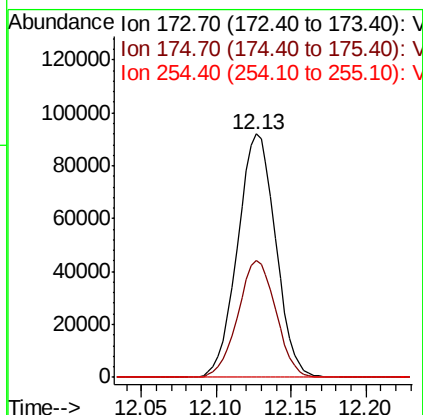
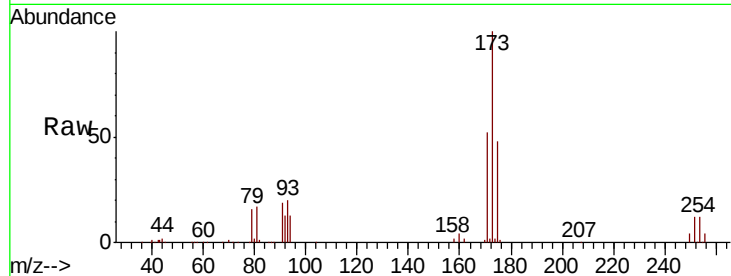
#71
Bromoform
Concen: 18.545 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.3	72.9
254	0.0	0.1	0.1#

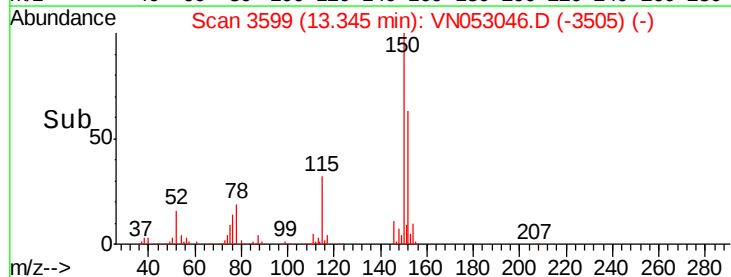
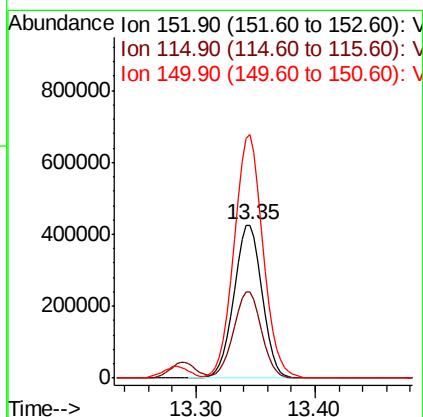
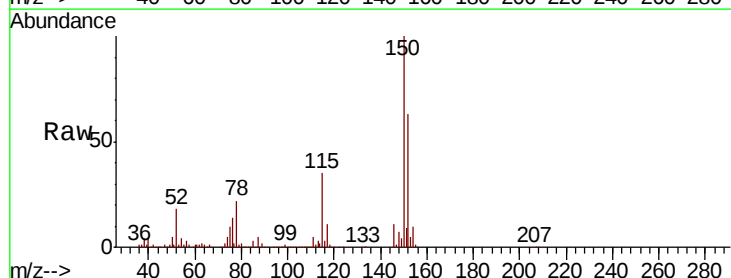
Manual Integrations
APPROVED

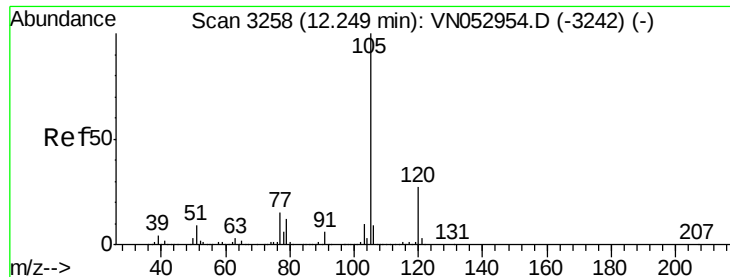
MMDadoda
12/27/2018 12:38:44 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.3	85.0
150	163.3	0.0	347.8





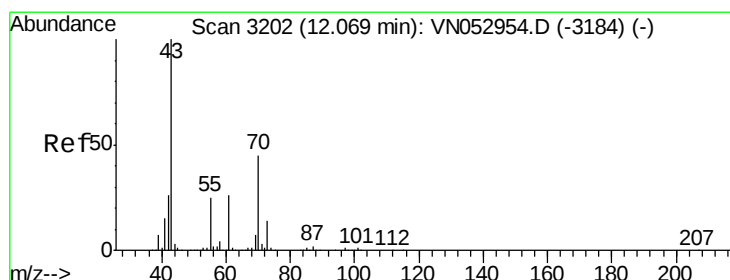
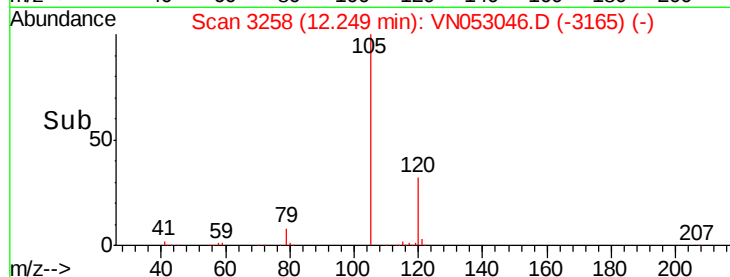
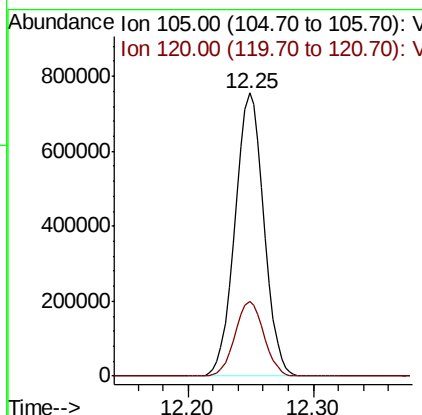
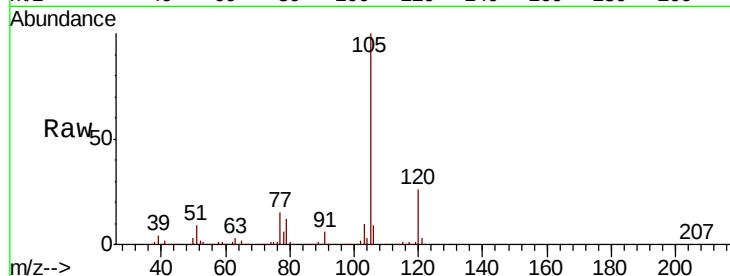
#73
Isopropylbenzene
Concen: 22.109 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion:105 Resp: 1204345
Ion Ratio Lower Upper
105 100
120 26.4 13.3 39.9

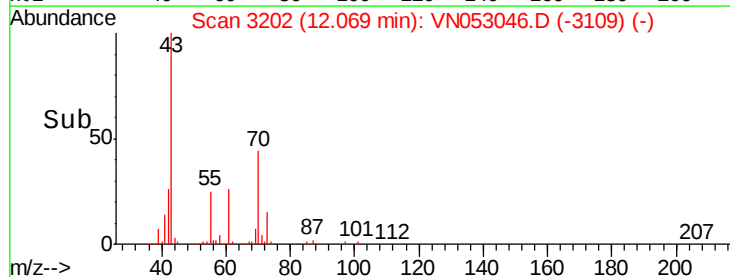
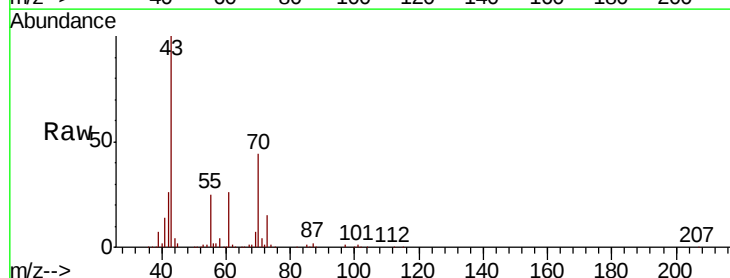
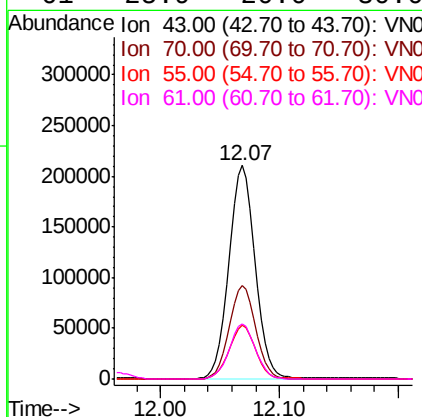
Manual Integrations
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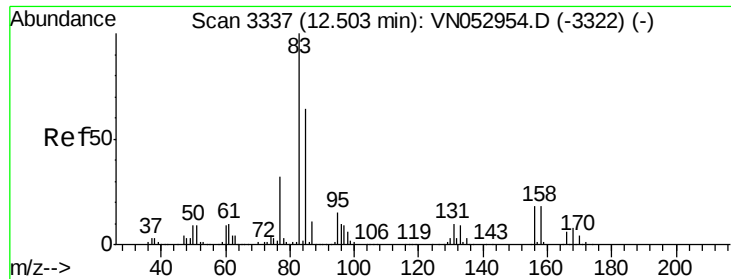
MMDadoda
12/27/2018 12:38:44 PM



#74
N-ethyl acetate
Concen: 21.248 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 43 Resp: 321359
Ion Ratio Lower Upper
43 100
70 44.2 34.2 51.4
55 25.6 20.3 30.5
61 25.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.025 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

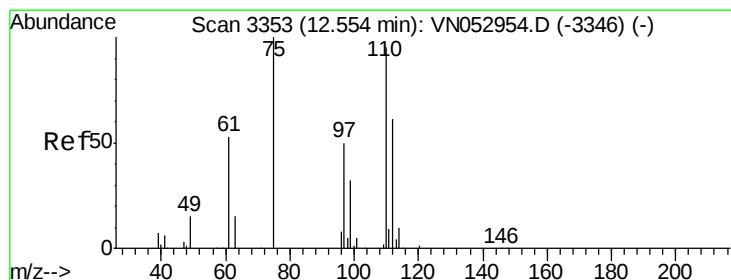
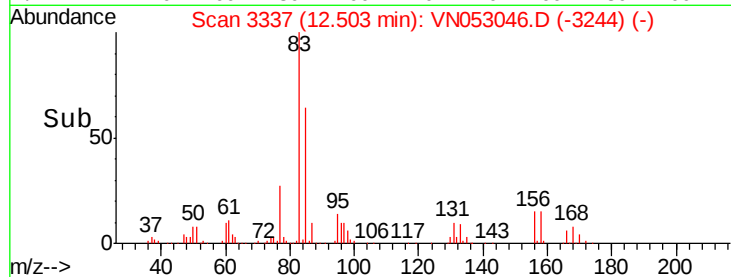
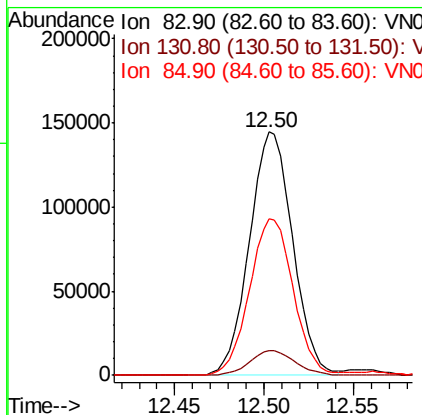
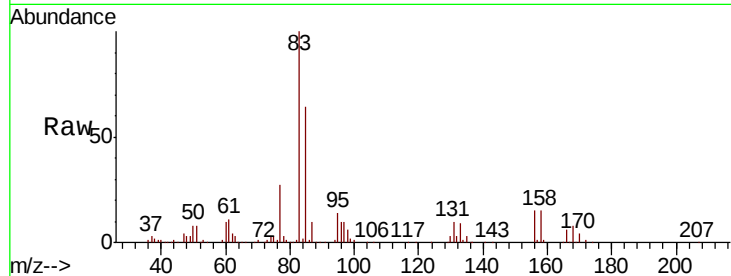
ClientSampleId :

VN1220MBS01

Tot Ion:	83	Resp:	246062
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.7	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 18.795 ug/l m

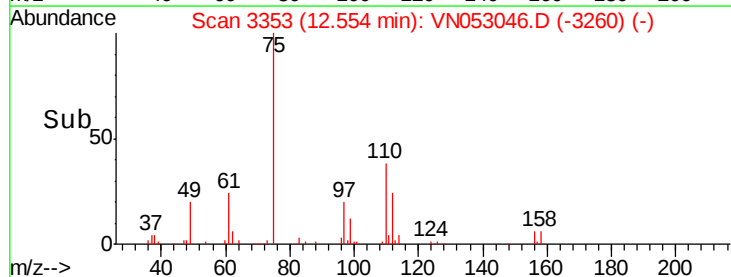
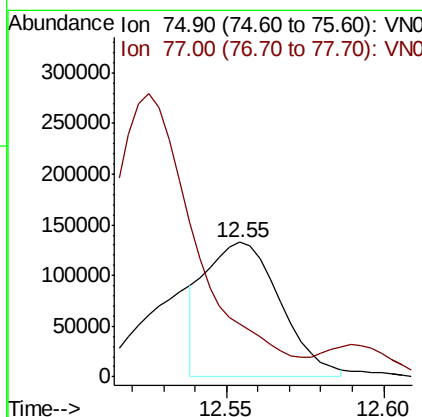
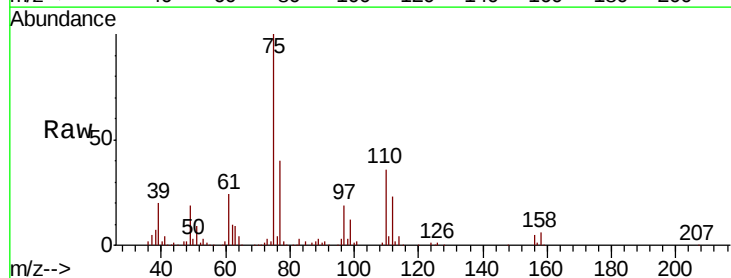
RT: 12.55 min Scan# 3353

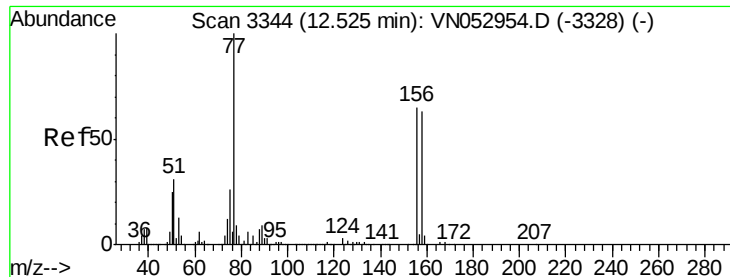
Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Tgt Ion:	75	Resp:	220277
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.618 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

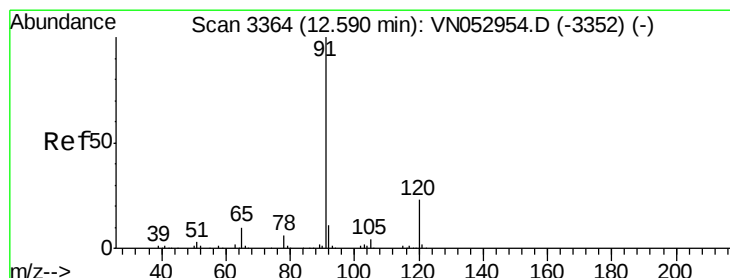
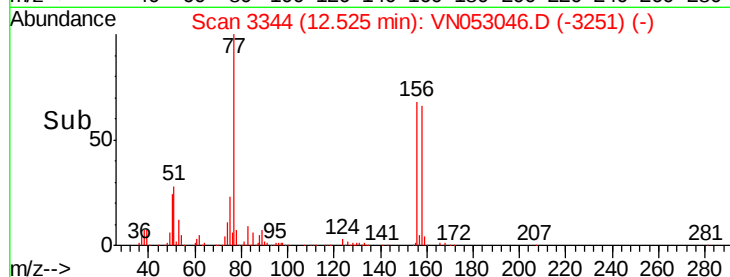
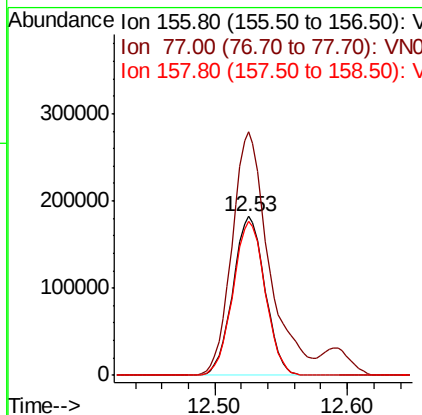
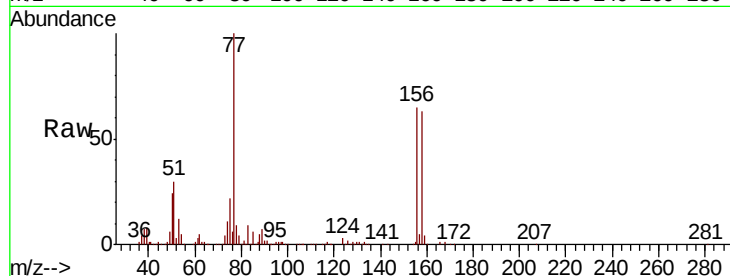
ClientSampleId :

VN1220MBS01

Tot Ion:	156	Resp:	306117
Ion Ratio	Lower	Upper	
156	100		
77	175.9	91.3	273.8
158	97.2	49.0	147.2

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#78

n-propylbenzene

Concen: 21.281 ug/l

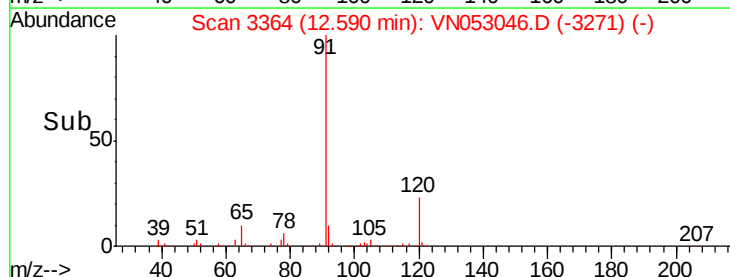
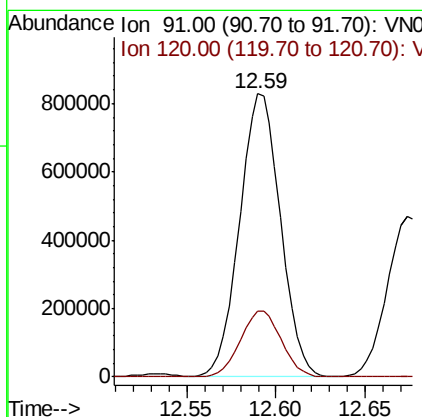
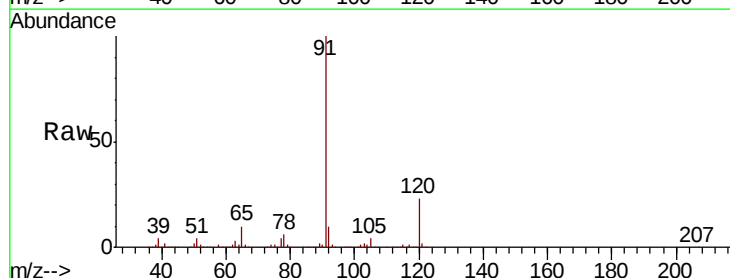
RT: 12.59 min Scan# 3364

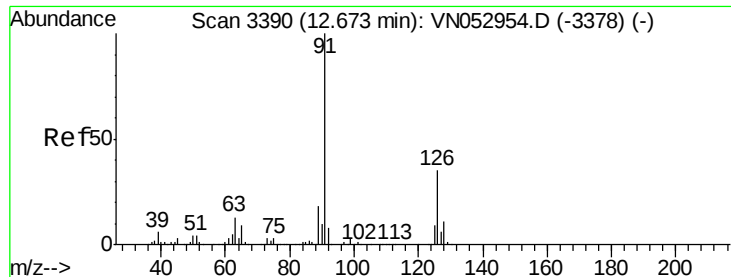
Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Tgt Ion:	91	Resp:	1320315
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.441 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

Tot Ion: 91 Resp: 786077

Ion Ratio Lower Upper

91 100

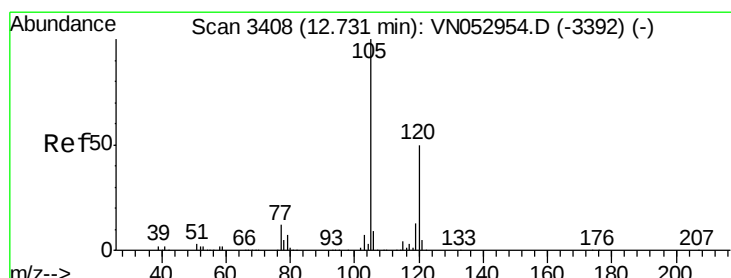
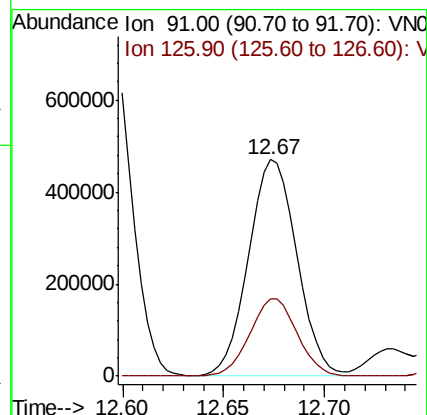
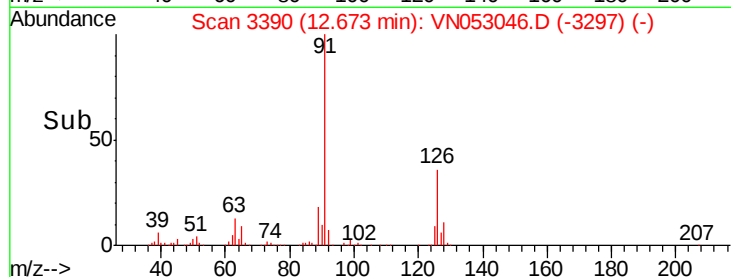
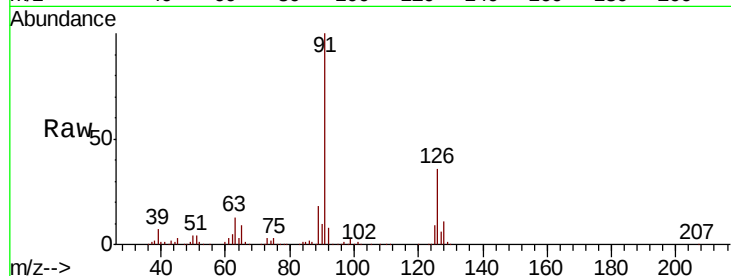
126 35.2 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 21.093 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053046.D

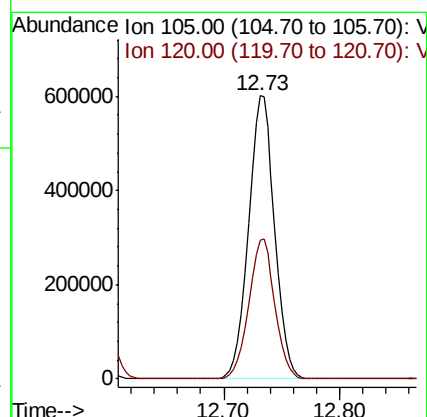
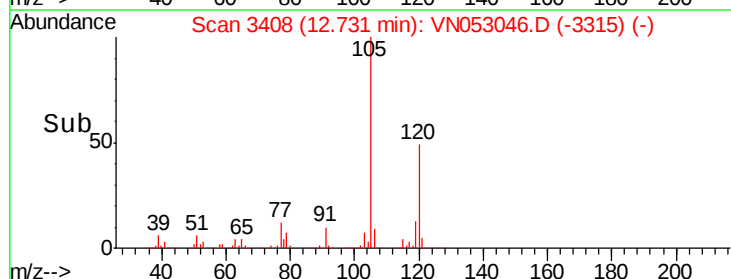
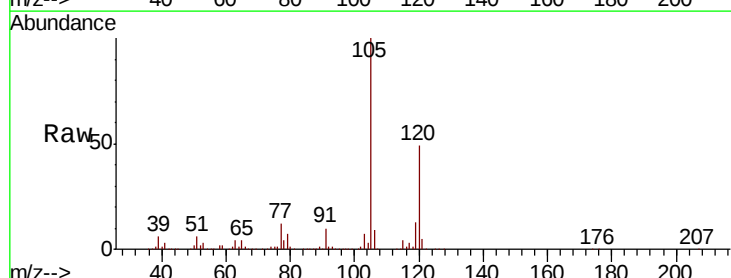
Acq: 20 Dec 2018 10:34

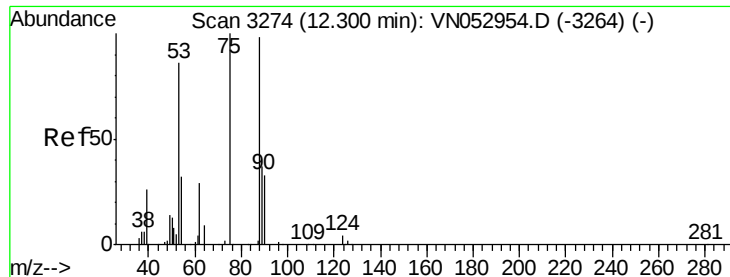
Tgt Ion: 105 Resp: 936562

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





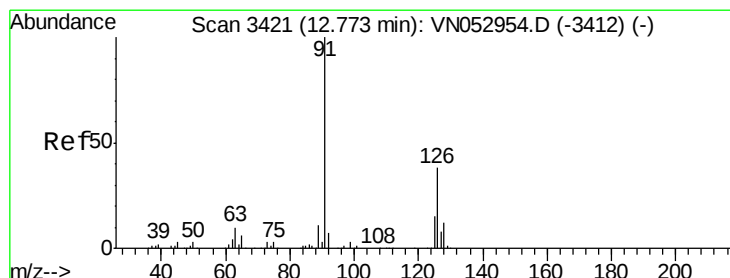
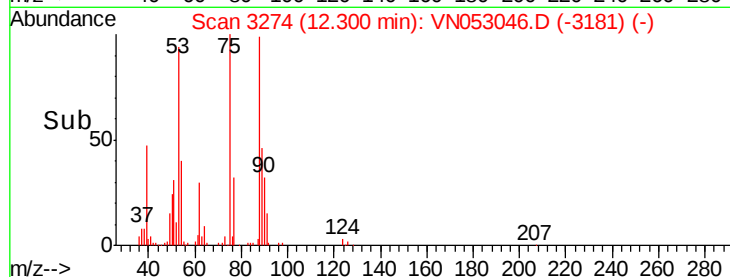
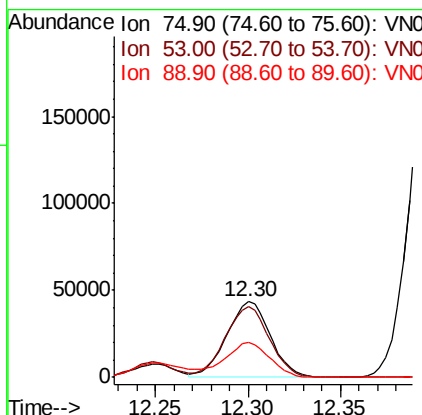
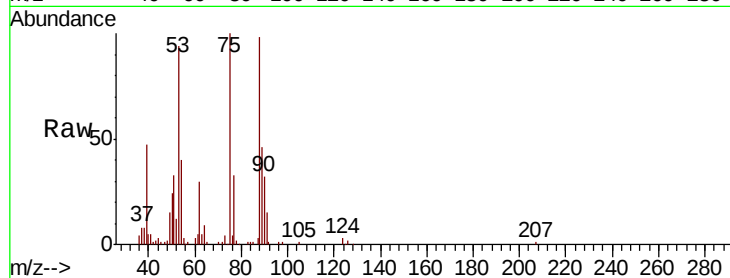
#81
trans-1,4-Dichloro-2-butene
Concen: 19.645 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.1	74.7	112.1
89	46.3	36.1	54.1

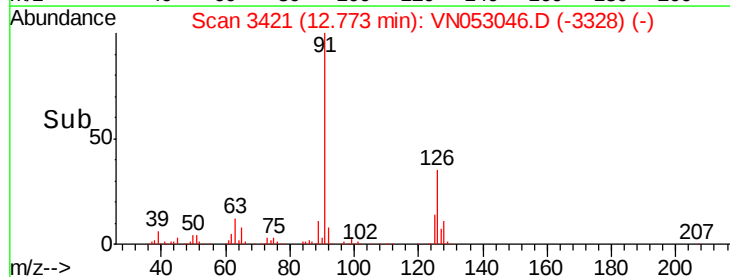
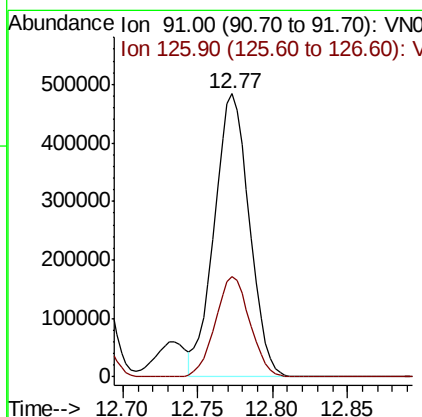
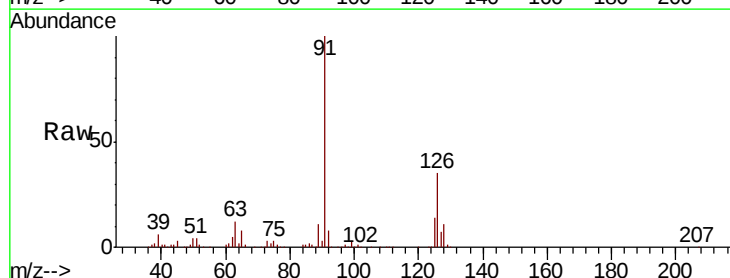
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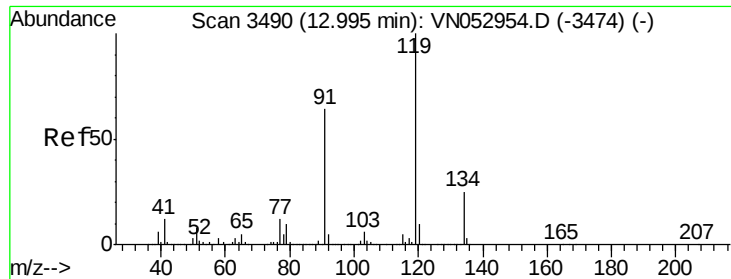
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#82
4-Chlorotoluene
Concen: 20.904 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.3	51.7





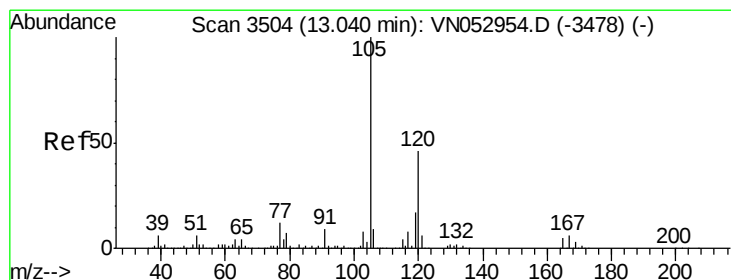
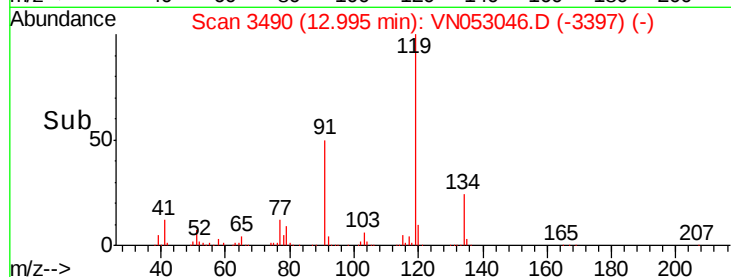
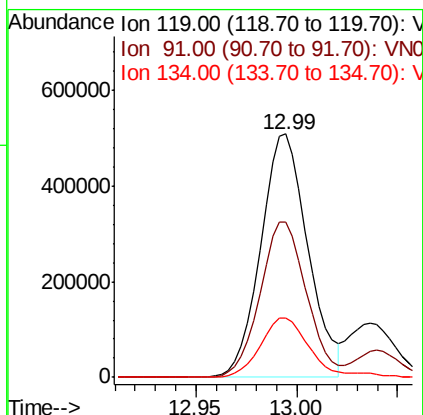
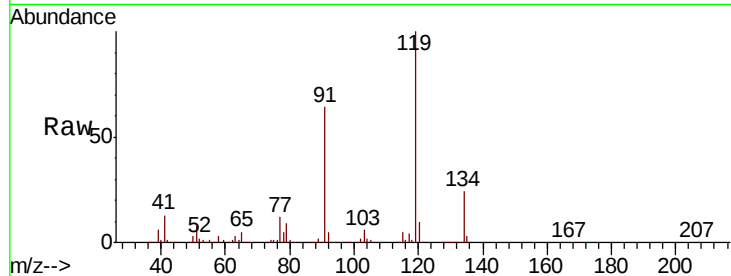
#83
tert-Butylbenzene
Concen: 21.118 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.9	95.5
134	25.7	12.8	38.4

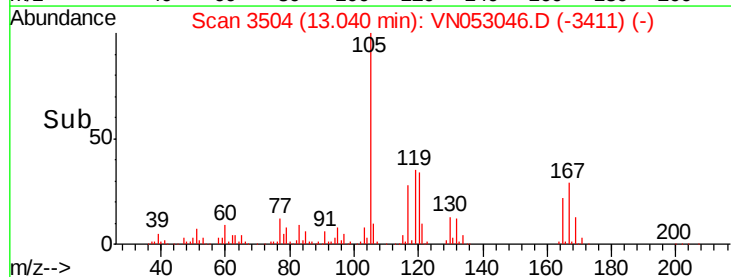
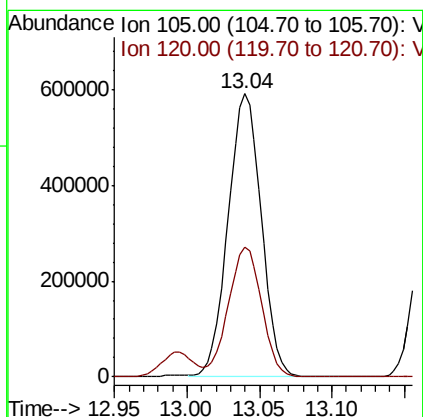
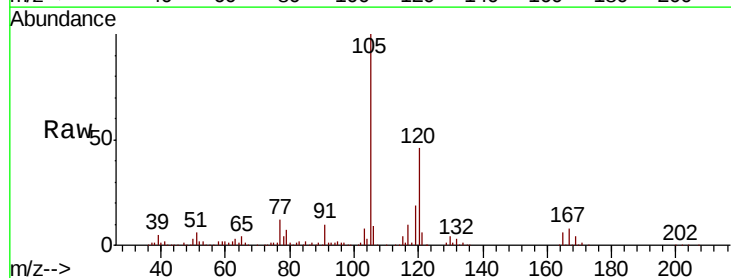
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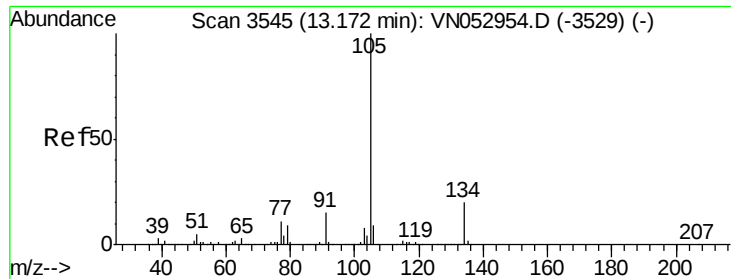
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#84
1,2,4-Trimethylbenzene
Concen: 20.992 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.557 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

Tot Ion:105 Resp: 1091851

Ion Ratio Lower Upper

105 100

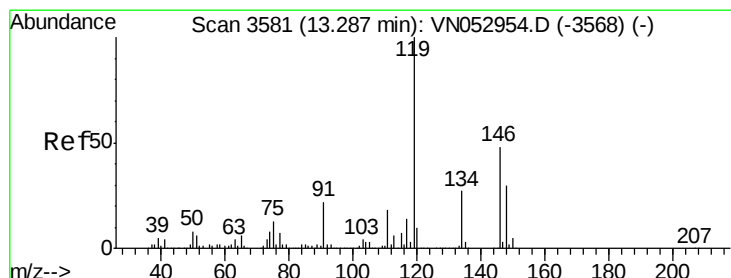
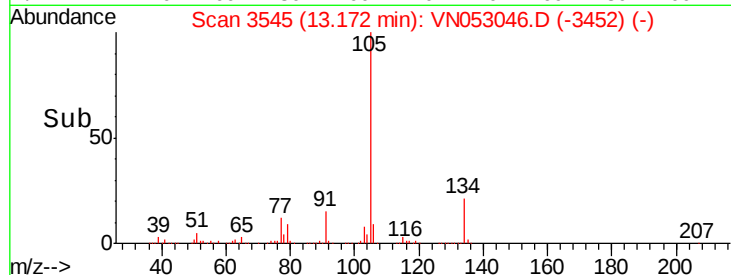
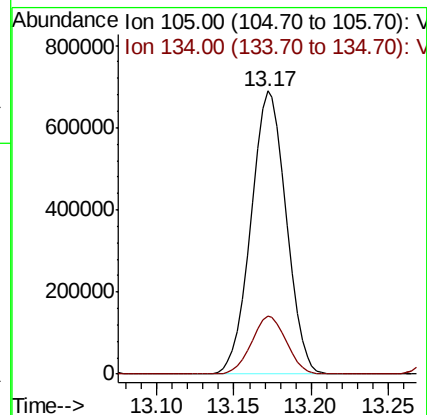
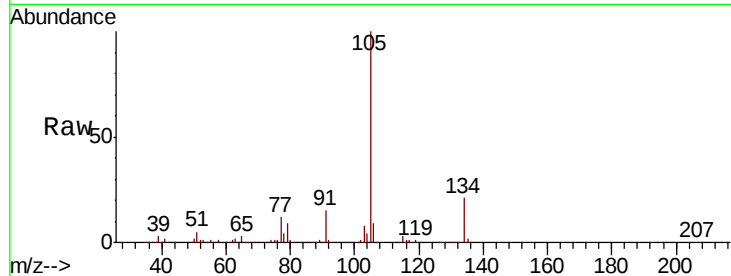
134 20.3 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 20.298 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

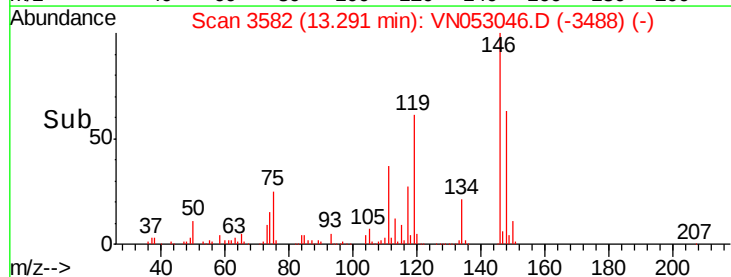
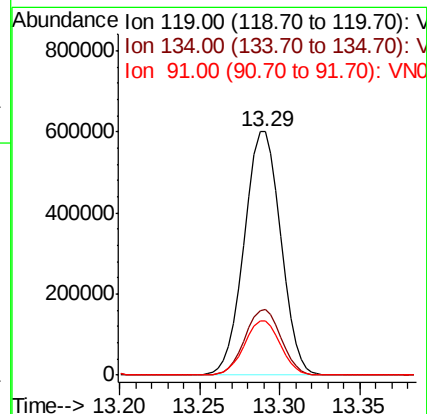
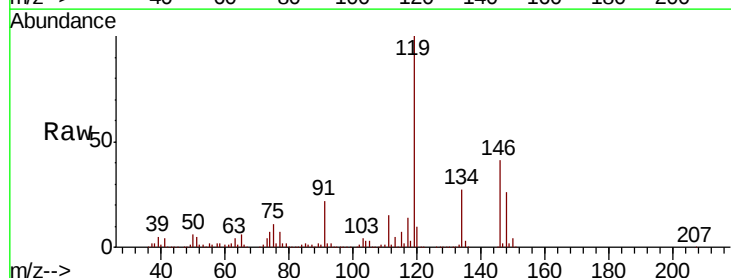
Tgt Ion:119 Resp: 931599

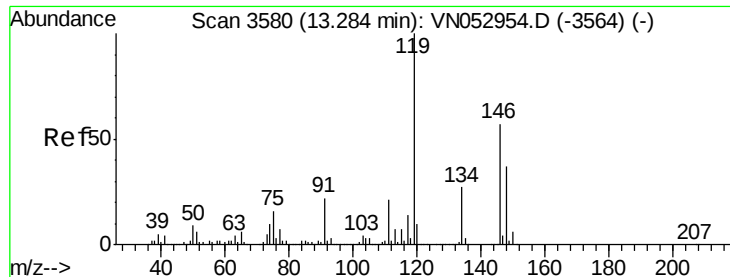
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.1 11.1 33.3





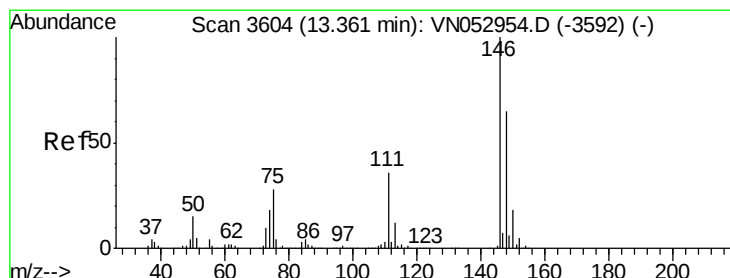
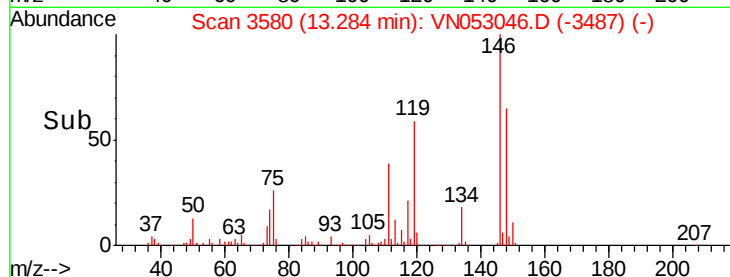
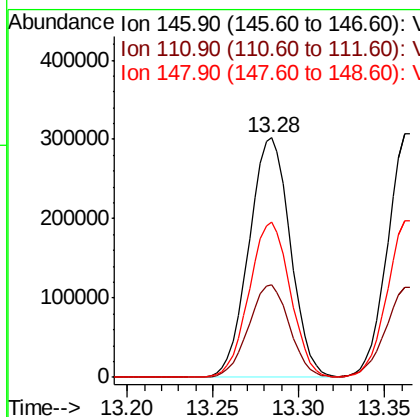
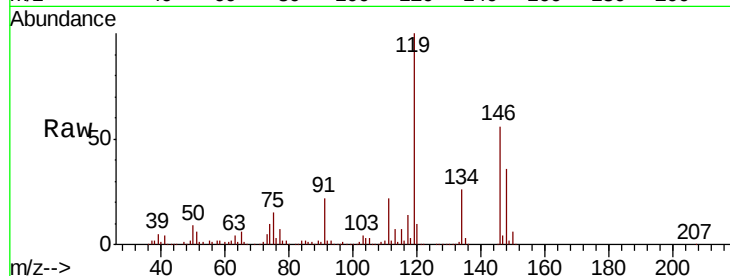
#87
 1,3-Dichlorobenzene
 Concen: 20.092 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	64.2	32.0	96.0

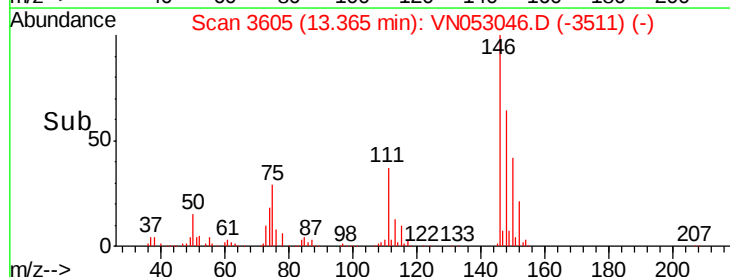
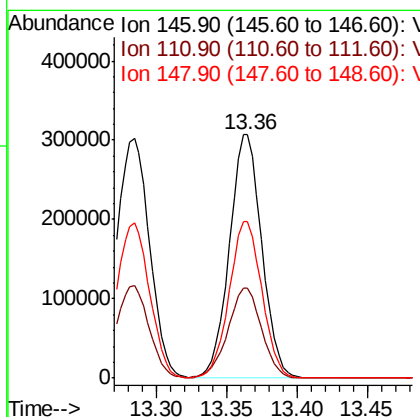
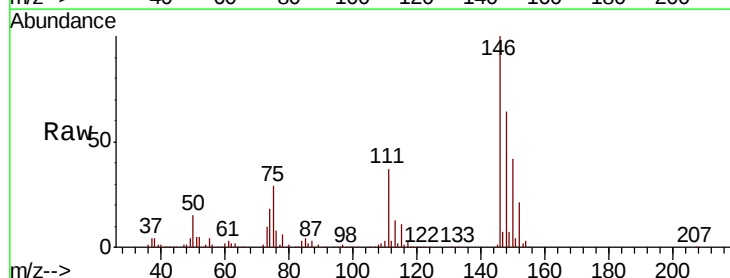
Manual Integrations
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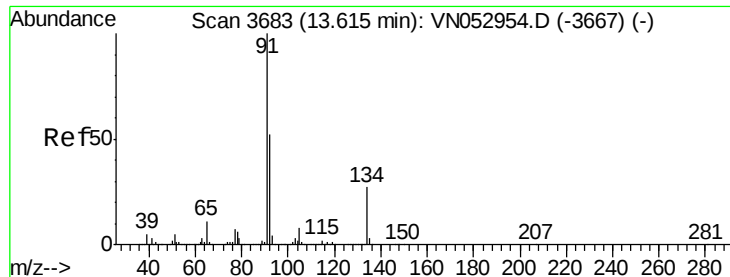
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#88
 1,4-Dichlorobenzene
 Concen: 19.410 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	65.0	32.1	96.5





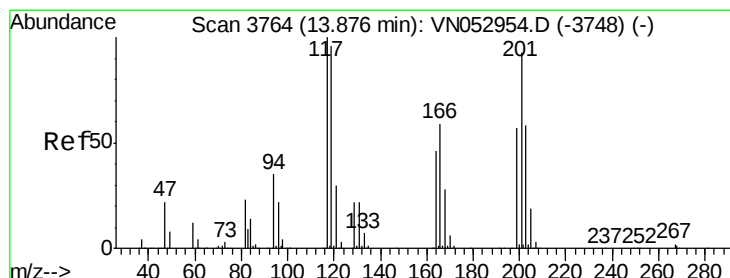
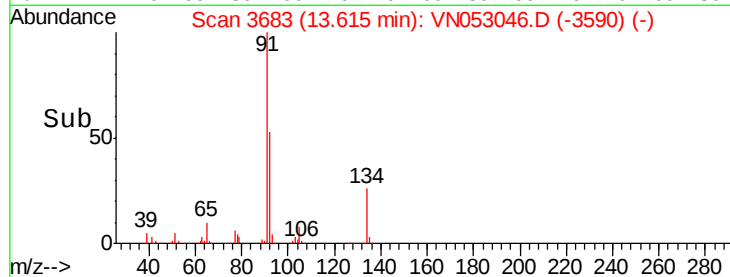
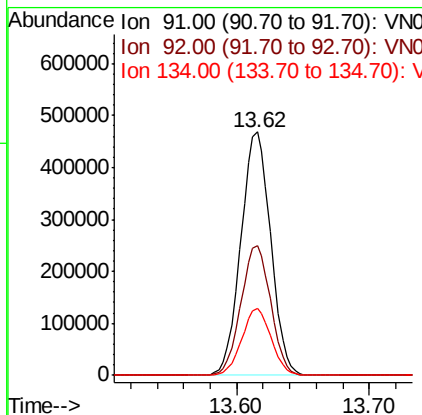
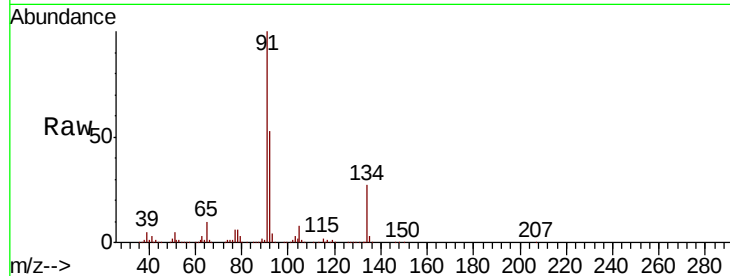
#89
n-Butylbenzene
Concen: 18.511 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	27.0	13.3	39.8

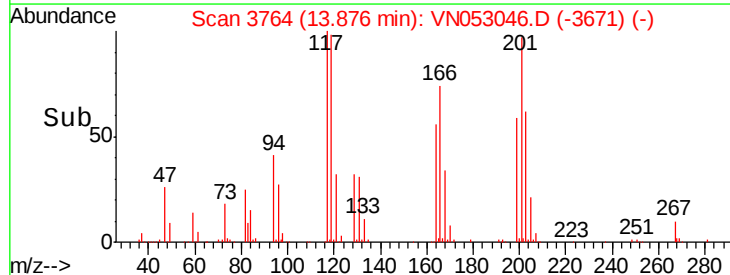
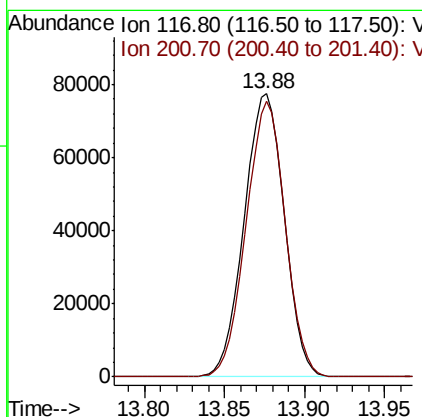
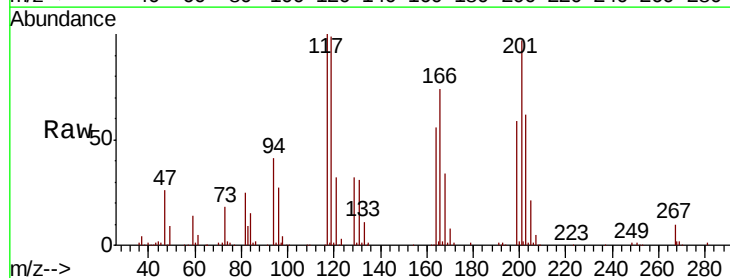
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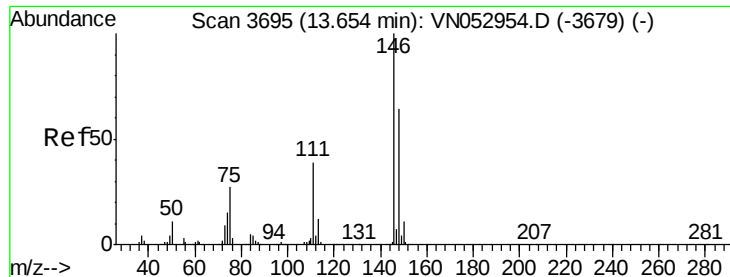
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#90
Hexachloroethane
Concen: 18.886 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	45.7	137.1





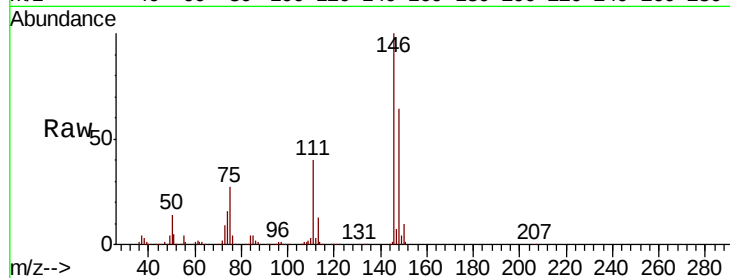
#91
 1,2-Dichlorobenzene
 Concen: 19.857 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.7	59.0
148	64.3	32.0	96.0

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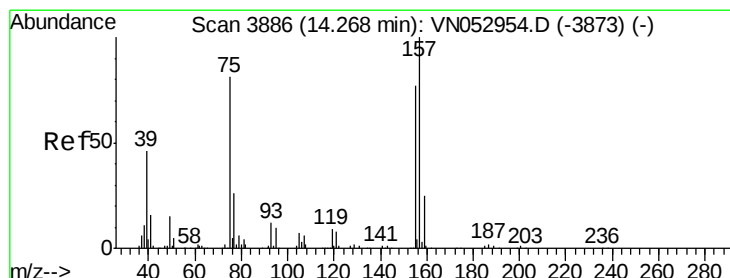
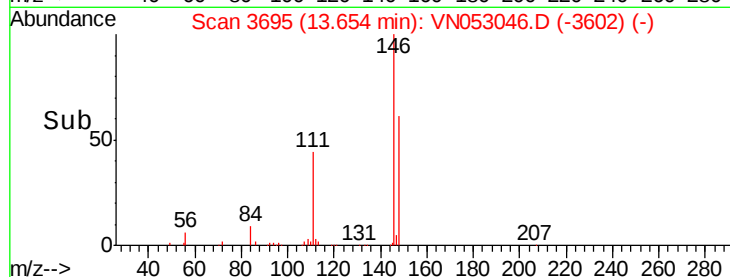
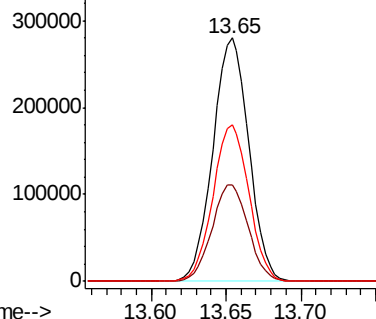


Abundance

Ion 145.90 (145.60 to 146.60): V

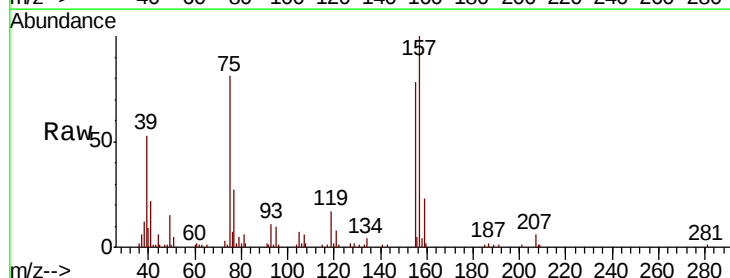
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.413 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	48.2	144.6
157	122.1	61.2	183.5

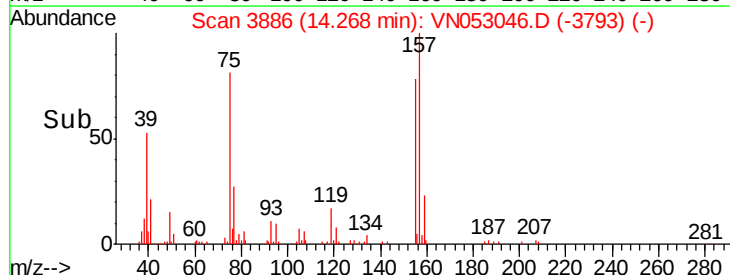
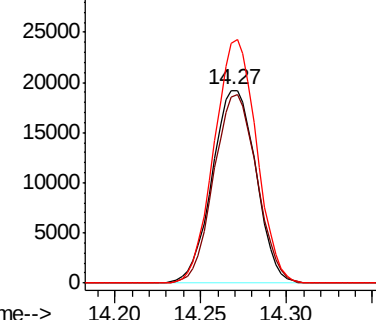


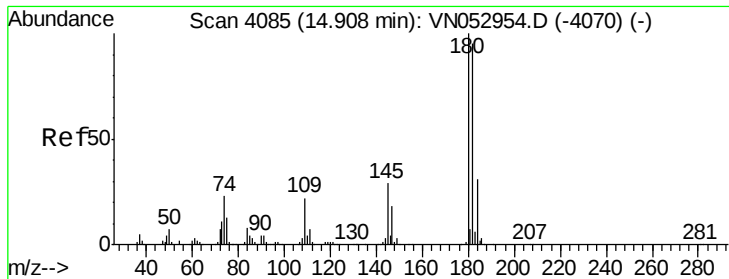
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





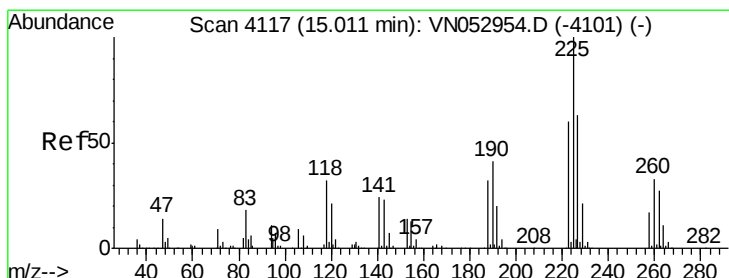
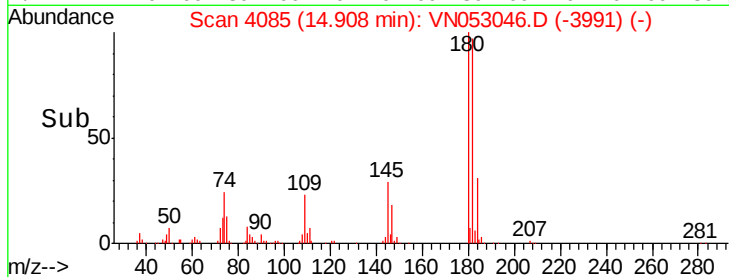
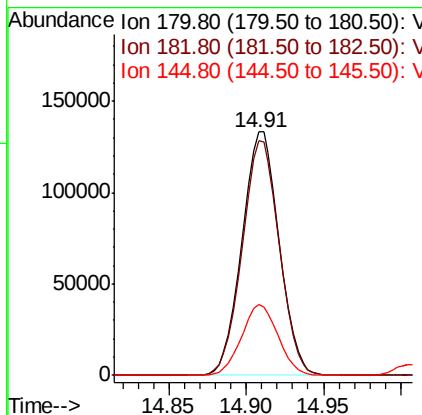
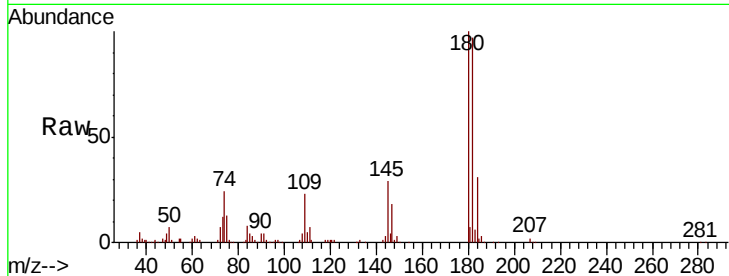
#93
 1,2,4-Trichlorobenzene
 Concen: 18.172 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	222288		
182	96.4	47.8	143.3	
145	28.5	14.2	42.6	

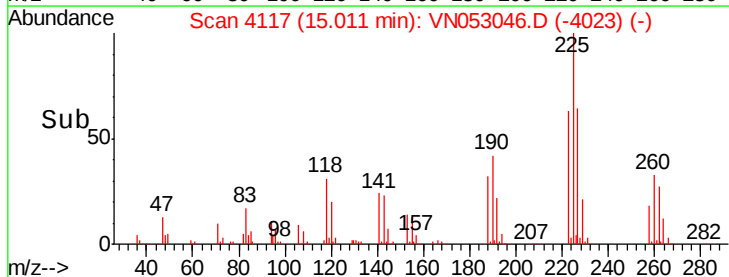
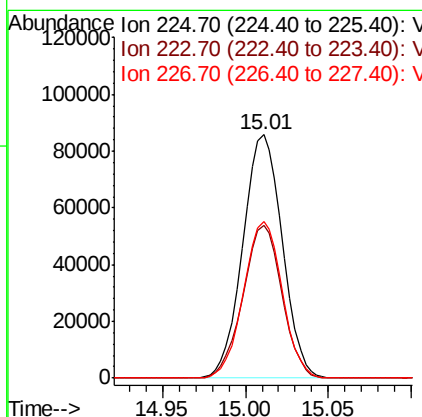
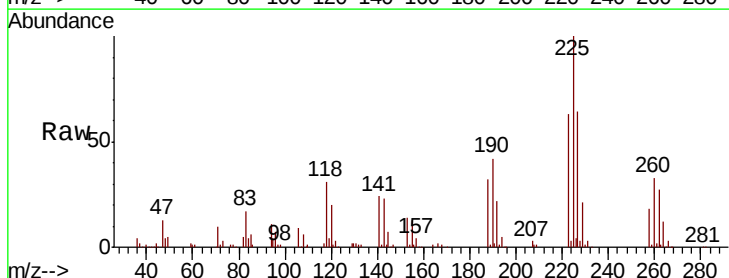
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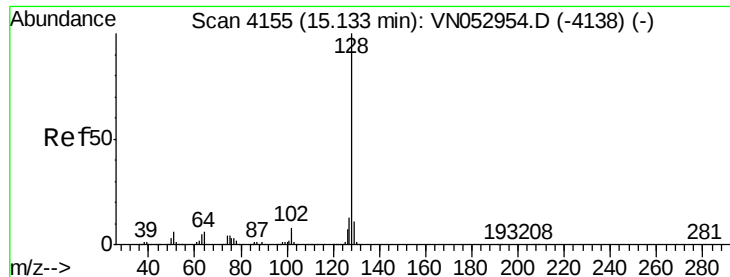
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#94
 Hexachlorobutadiene
 Concen: 20.275 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	142229		
223	61.9	31.5	94.5	
227	63.0	31.9	95.7	





#95

Naphthalene

Concen: 17.868 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

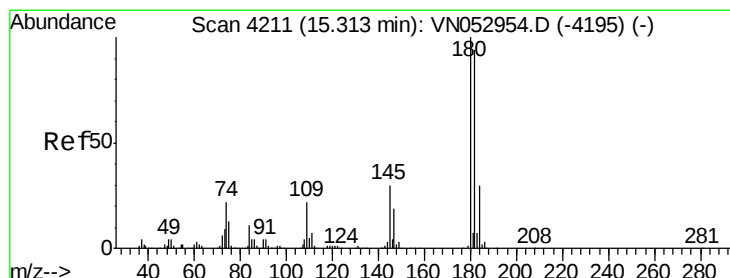
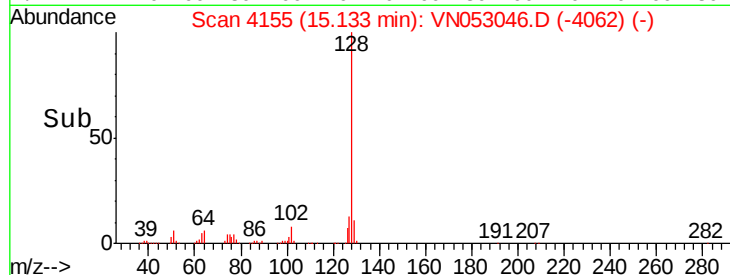
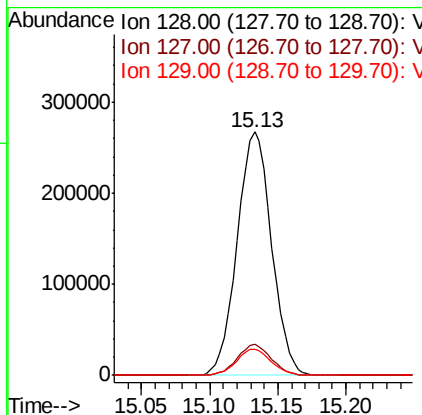
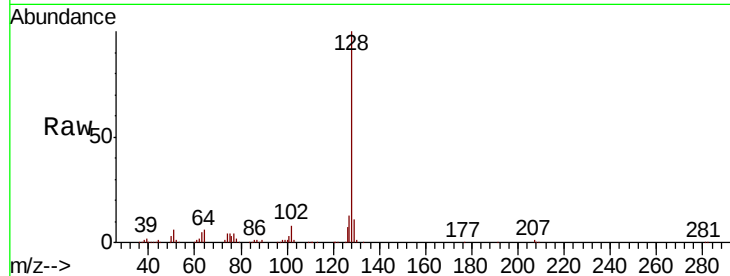
ClientSampleId :

VN1220MBS01

Tot Ion:	128	Resp:	468465
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.312 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Tgt Ion:	180	Resp:	202411
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.9	143.7
145	29.7	15.0	45.0

