

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053181.D
 Acq On : 24 Dec 2018 13:26
 Operator : MD\SY
 Sample : VN1224WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:53:54 AM

Quant Time: Dec 24 23:57:04 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	901523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1395111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1238656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	563051	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	458099	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
35) Dibromofluoromethane	7.59	113	386634	60.67	ug/l	0.00
Spiked Amount			Recovery	=	121.34%	
50) Toluene-d8	10.09	98	1662898	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	574010	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	172393	18.894	ug/l	100
3) Chloromethane	2.06	50	220879	19.977	ug/l	99
4) Vinyl Chloride	2.19	62	222115	19.836	ug/l	100
5) Bromomethane	2.58	94	143465	18.492	ug/l	99
6) Chloroethane	2.71	64	134619	20.299	ug/l	99
7) Trichlorofluoromethane	3.02	101	288044	20.649	ug/l	99
8) Diethyl Ether	3.41	74	112987	21.470	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	182150	20.480	ug/l	98
10) Methyl Iodide	3.96	142	234159	18.747	ug/l	98
11) Tert butyl alcohol	4.78	59	58400	104.618	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	177036	20.603	ug/l	98
13) Acrolein	3.61	56	52946	104.603	ug/l	99
14) Allyl chloride	4.33	41	301608	22.661	ug/l	94
15) Acrylonitrile	4.99	53	327639	105.649	ug/l	99
16) Acetone	3.82	43	201338	112.242	ug/l	98
17) Carbon Disulfide	4.06	76	485385	17.321	ug/l	98
18) Methyl Acetate	4.33	43	182131	22.919	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	496148	21.577	ug/l	99
20) Methylene Chloride	4.55	84	207247	21.180	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	189203	20.494	ug/l	100
22) Diisopropyl ether	5.95	45	644458	22.684	ug/l	98
23) Vinyl Acetate	5.90	43	1847201	113.071	ug/l	99
24) 1,1-Dichloroethane	5.85	63	364874	21.613	ug/l	100
25) 2-Butanone	6.83	43	342105	113.641	ug/l	100
26) 2,2-Dichloropropane	6.83	77	254073	19.715	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	224433	21.473	ug/l	99
28) Bromochloromethane	7.19	49	162727	22.245	ug/l	98
29) Tetrahydrofuran	7.21	42	246597	109.678	ug/l	99
30) Chloroform	7.37	83	359336	21.668	ug/l	97
31) Cyclohexane	7.66	56	335129	20.547	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	295984	20.951	ug/l	100
36) 1,1-Dichloropropene	7.79	75	270614	20.209	ug/l	99
37) Ethyl Acetate	6.93	43	162360	21.720	ug/l	99
38) Carbon Tetrachloride	7.78	117	245647	20.014	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	303838	18.678	ug/l	97
40) Benzene	8.04	78	837394	21.024	ug/l	99
41) Methacrylonitrile	7.17	41	96249	22.284	ug/l	95
42) 1,2-Dichloroethane	8.13	62	246889	20.982	ug/l	98
43) Isopropyl Acetate	8.16	43	301206	20.199	ug/l	99
44) Trichloroethene	8.84	130	223318	19.384	ug/l	99
45) 1,2-Dichloropropane	9.12	63	227631	21.941	ug/l	99
46) Dibromomethane	9.21	93	124840	20.656	ug/l	98
47) Bromodichloromethane	9.40	83	266380	20.735	ug/l	99
48) Methyl methacrylate	9.20	41	150820	20.792	ug/l	98
49) 1,4-Dioxane	9.20	88	36961	402.811	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	800073	110.519	ug/l	100
52) Toluene	10.16	92	514399	20.836	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	265455	19.650	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	318615	20.548	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	183863	21.348	ug/l	99
56) Ethyl methacrylate	10.43	69	236944	20.785	ug/l	99
57) 1,3-Dichloropropane	10.71	76	316092	21.402	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	652391	104.241	ug/l	99
59) 2-Hexanone	10.75	43	530470	108.304	ug/l	99
60) Dibromochloromethane	10.90	129	200637	20.351	ug/l	99
61) 1,2-Dibromoethane	11.01	107	181785	20.782	ug/l	98
64) Tetrachloroethene	10.63	164	242695	18.088	ug/l	97
65) Chlorobenzene	11.43	112	567485	20.668	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	196614	20.592	ug/l	100
67) Ethyl Benzene	11.51	91	969472	20.531	ug/l	99
68) m/p-Xylenes	11.62	106	739182	41.178	ug/l	98
69) o-Xylene	11.95	106	360603	20.934	ug/l	99
70) Styrene	11.96	104	583868	20.787	ug/l	99
71) Bromoform	12.13	173	132724	19.241	ug/l #	100
73) Isopropylbenzene	12.25	105	948348	21.527	ug/l	100
74) N-amyl acetate	12.07	43	257397	21.045	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	202006	23.373	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	178051m	18.785	ug/l	
77) Bromobenzene	12.53	156	248542	21.704	ug/l	95
78) n-propylbenzene	12.59	91	1050654	20.940	ug/l	99
79) 2-Chlorotoluene	12.68	91	636232	20.458	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	752519	20.957	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55619	18.913	ug/l	99
82) 4-Chlorotoluene	12.77	91	644579	21.173	ug/l	100
83) tert-Butylbenzene	12.99	119	663642	20.897	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	760920	21.080	ug/l	100
85) sec-Butylbenzene	13.17	105	850120	19.791	ug/l	99
86) p-Isopropyltoluene	13.29	119	735804	19.824	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	413907	20.422	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	410325	19.992	ug/l	99
89) n-Butylbenzene	13.62	91	590831	18.503	ug/l	100
90) Hexachloroethane	13.88	117	112702	19.787	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	399592	20.949	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29784	19.931	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	190866	19.257	ug/l	99
94) Hexachlorobutadiene	15.01	225	119690	21.221	ug/l	99
95) Naphthalene	15.13	128	433160	20.264	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	172579	19.279	ug/l	99

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

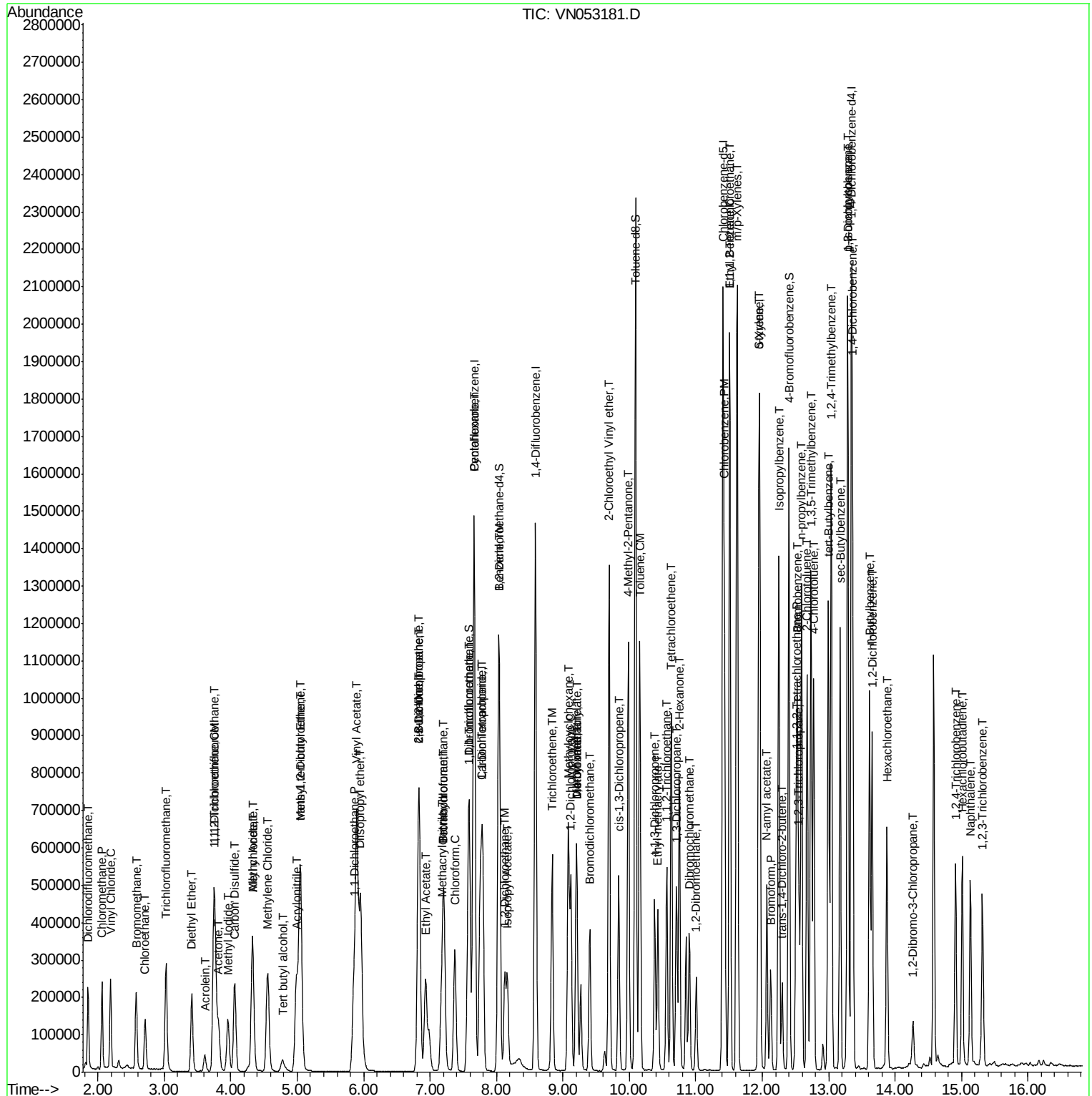
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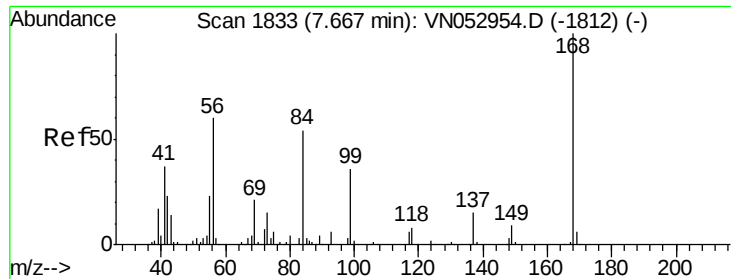
Instrument :
MSVOA_N
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

Tot Ion:168 Resp: 901523

Ion Ratio Lower Upper

168 100

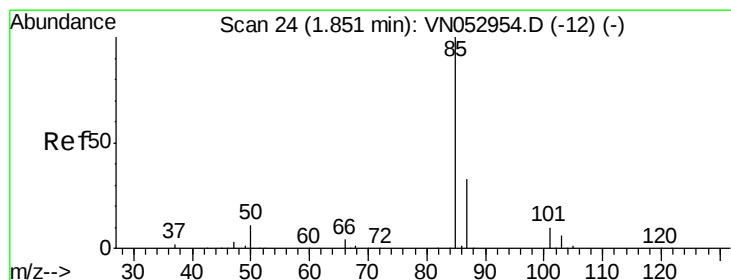
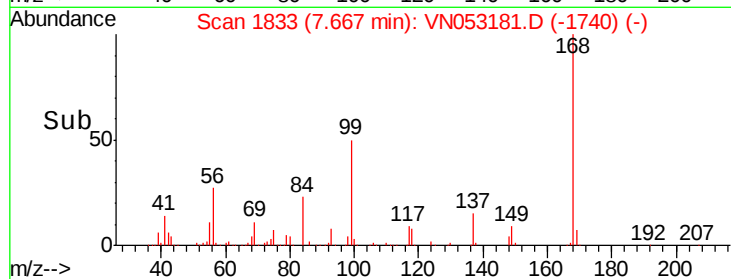
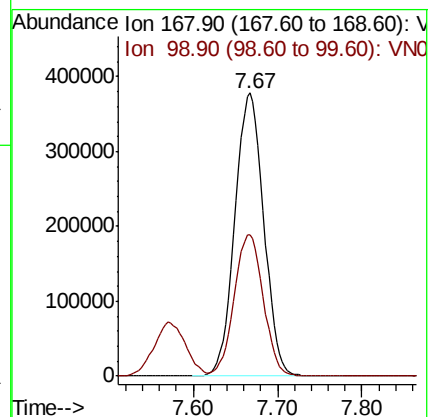
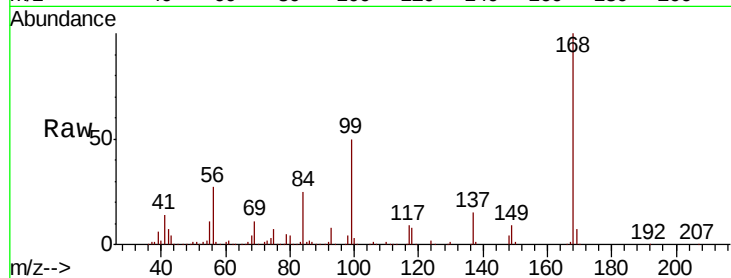
99 50.0 40.2 60.2

Manual Integrations

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12/26/2018 10:53:54 AM



#2

Dichlorodifluoromethane

Concen: 18.894 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053181.D

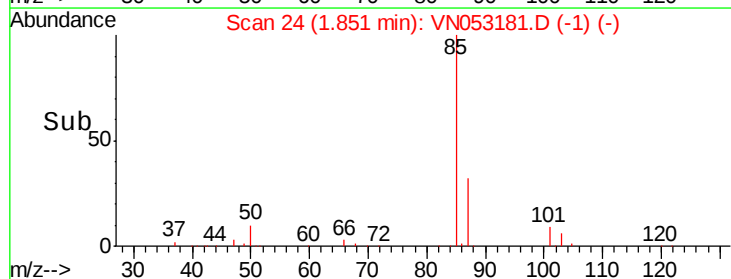
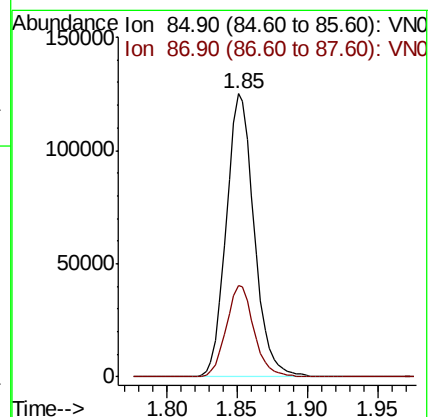
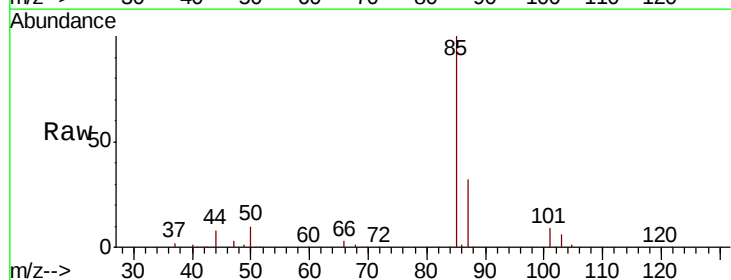
Acq: 24 Dec 2018 13:26

Tgt Ion: 85 Resp: 172393

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8





#3

Chloromethane

Concen: 19.977 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

Tot Ion: 50 Resp: 220879

Ion Ratio Lower Upper

50 100

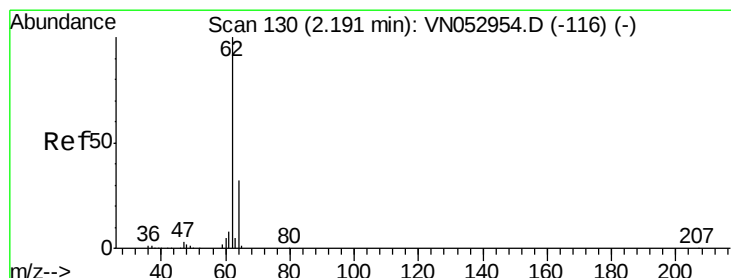
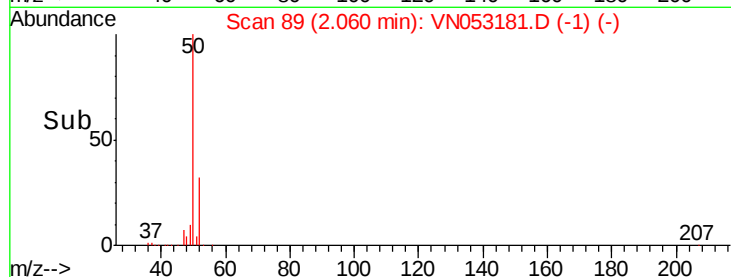
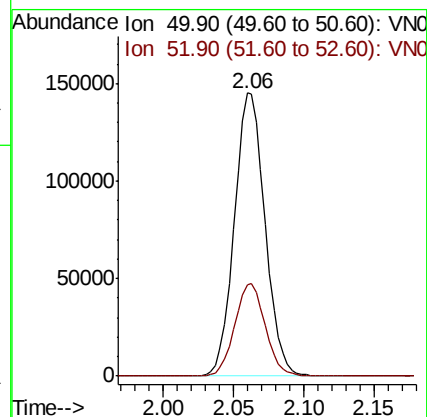
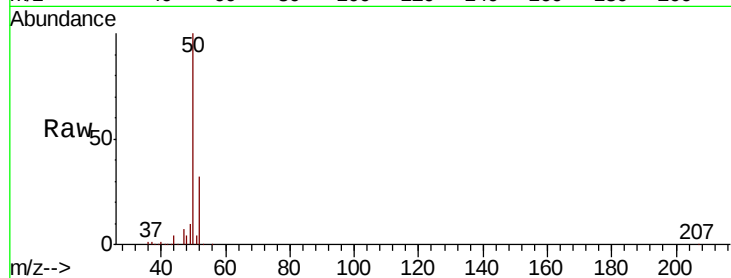
52 32.5 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.836 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053181.D

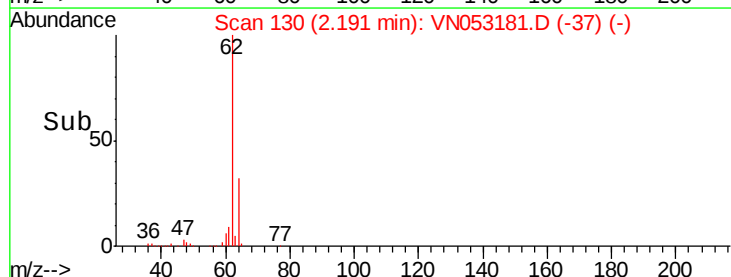
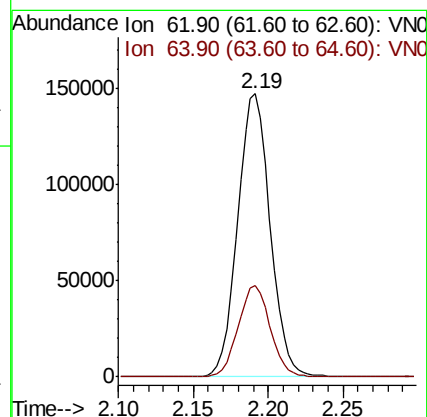
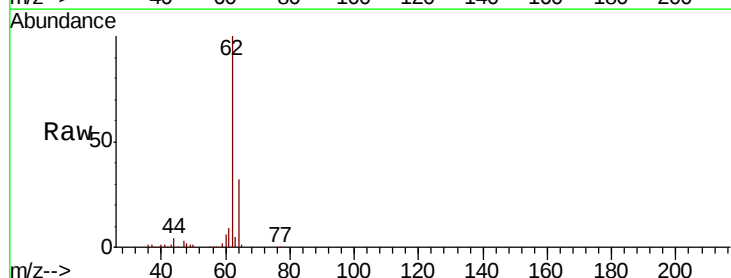
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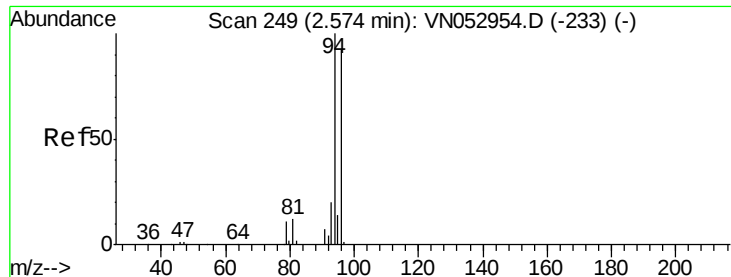
Tgt Ion: 62 Resp: 222115

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 18.492 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

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ClientSampleId :

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Tot Ion: 94 Resp: 143465

Ion Ratio Lower Upper

94 100

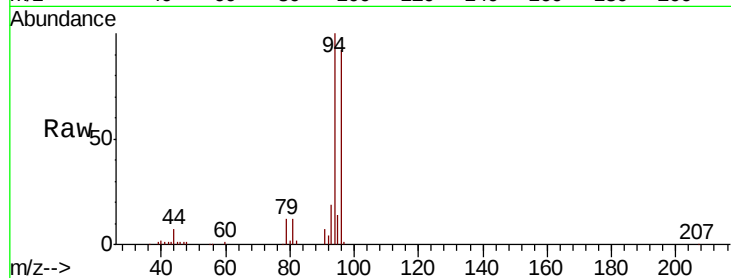
96 92.3 75.0 112.4

Manual Integrations

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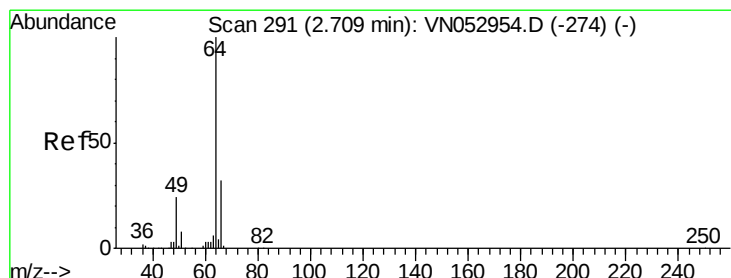
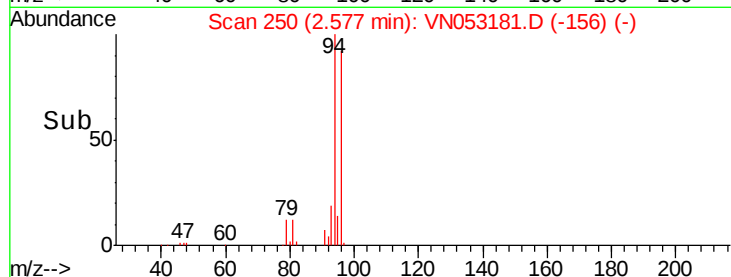
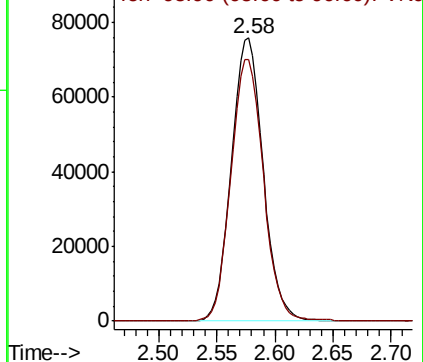
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.299 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053181.D

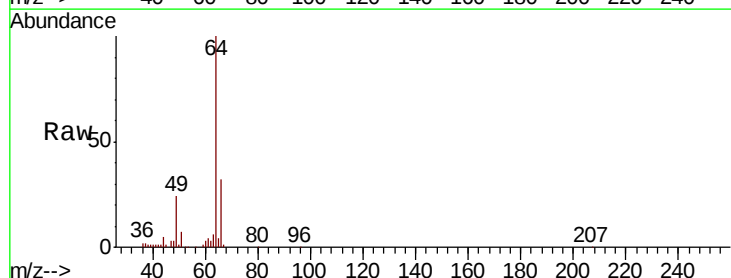
Acq: 24 Dec 2018 13:26

Tgt Ion: 64 Resp: 134619

Ion Ratio Lower Upper

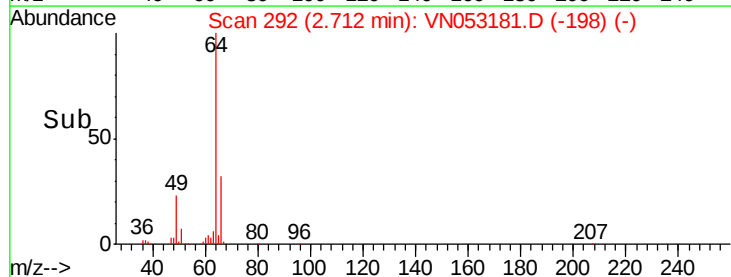
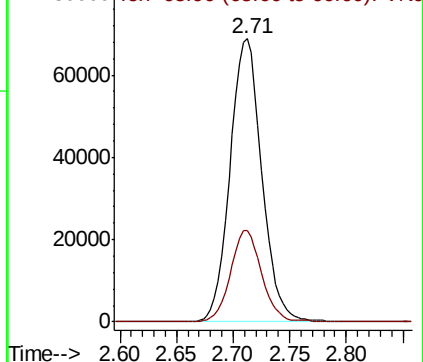
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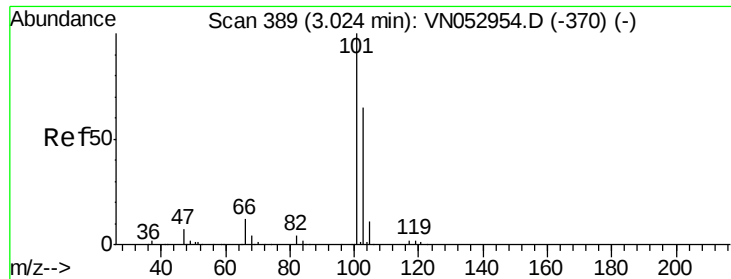
66 32.3 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

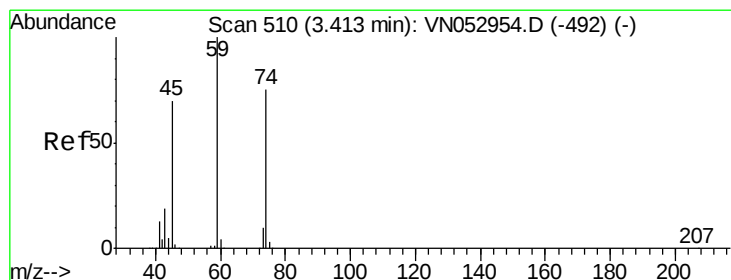
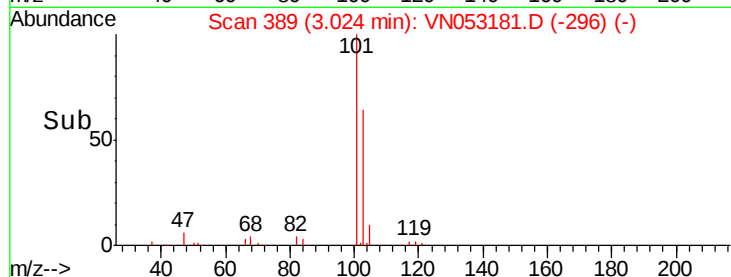
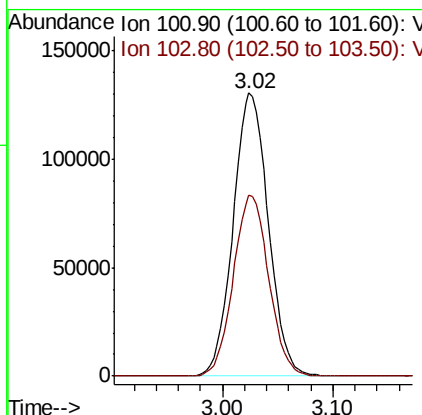
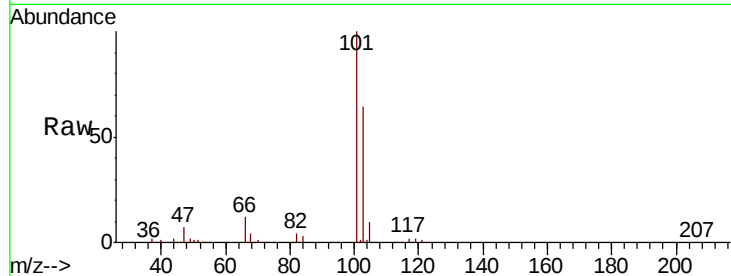
Trichlorofluoromethane
 Concen: 20.649 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053181.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.8	77.6

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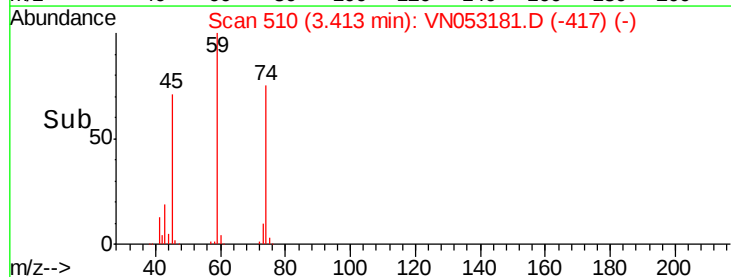
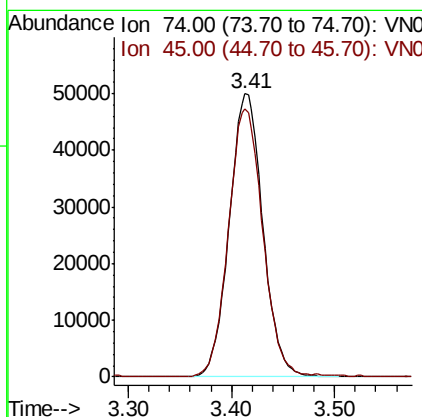
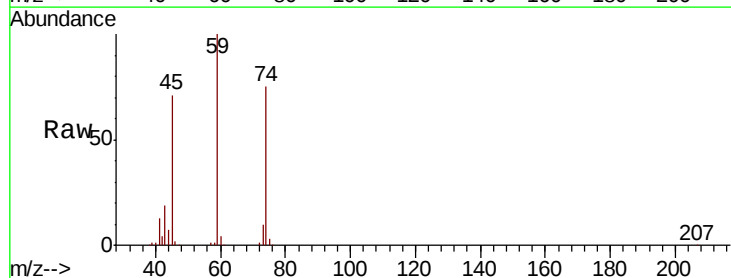
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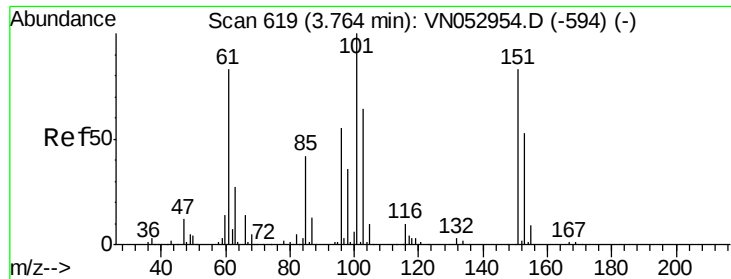


#8

Diethyl Ether
 Concen: 21.470 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.480 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

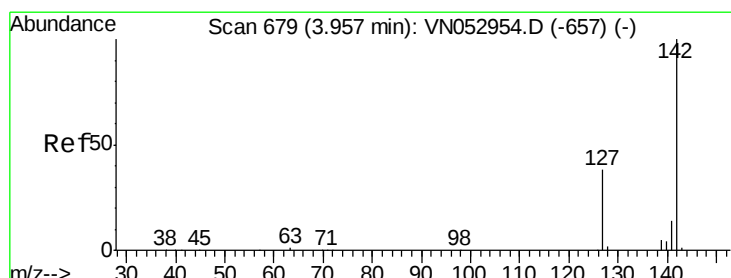
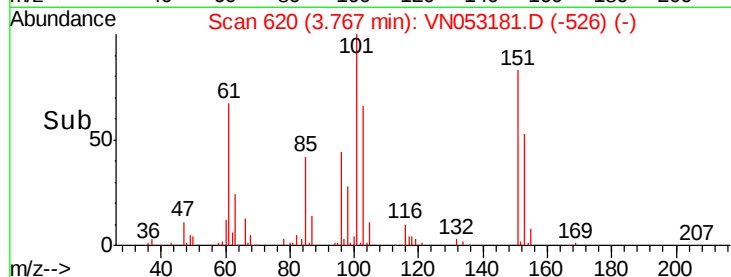
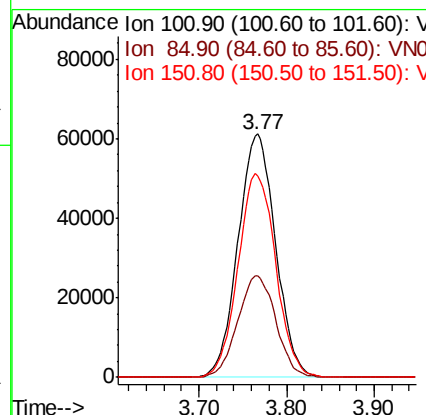
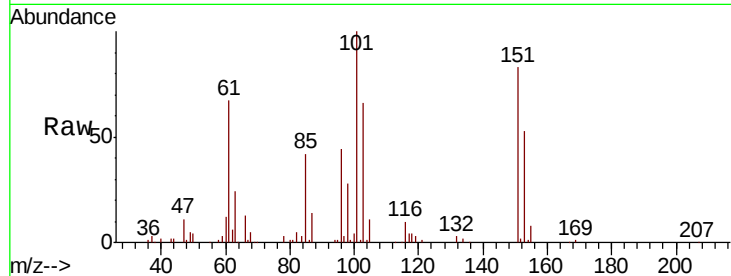
ClientSampleId :

VN1224WBS01

Tot Ion:	101	Resp:	182150
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.6	50.4
151	84.1	65.5	98.3

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#10

Methyl Iodide

Concen: 18.747 ug/l

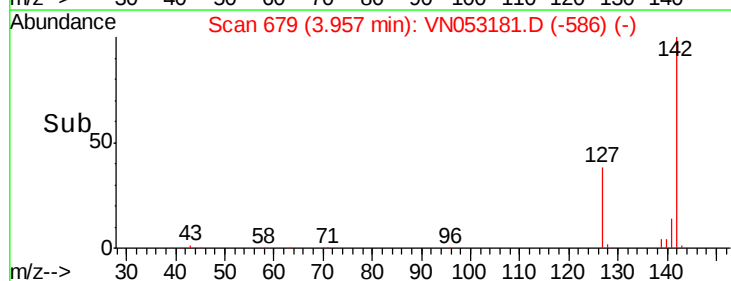
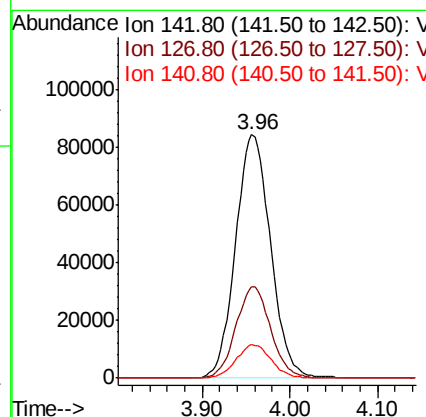
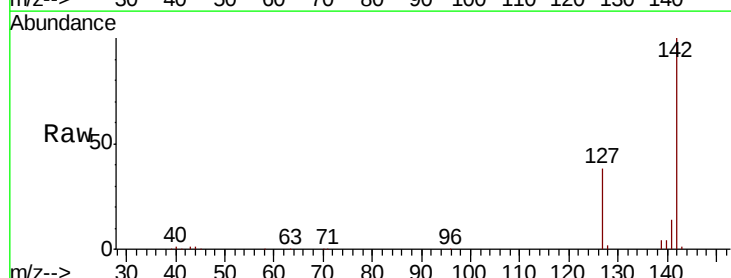
RT: 3.96 min Scan# 679

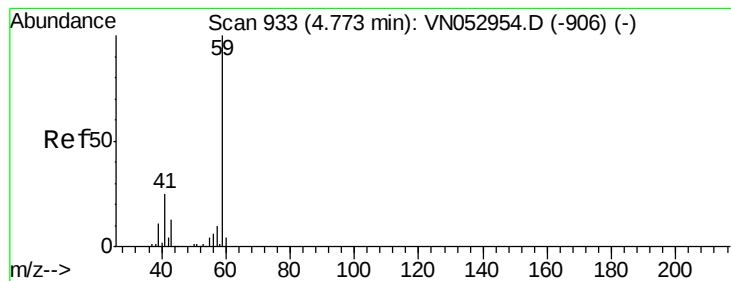
Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Tgt Ion:	142	Resp:	234159
Ion Ratio	Lower	Upper	
142	100		
127	37.5	31.0	46.6
141	13.7	11.2	16.8





#11

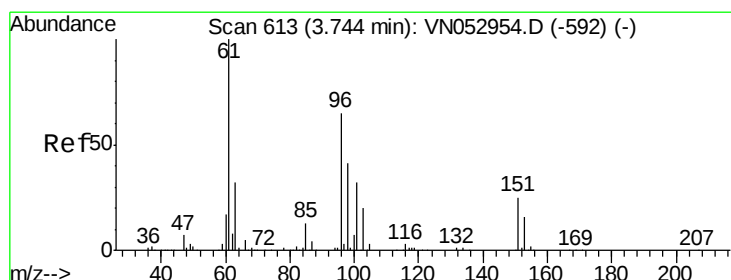
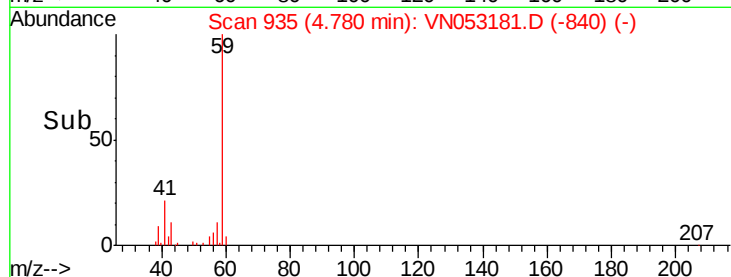
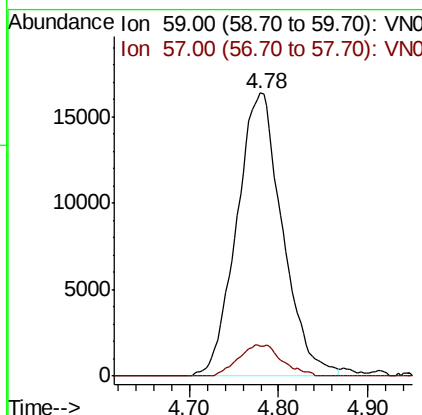
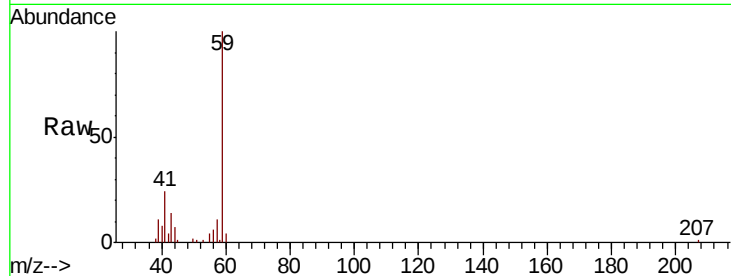
Tert butyl alcohol
Concen: 104.618 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion: 59 Resp: 58400
Ion Ratio Lower Upper
59 100
57 5.6 7.7 11.5#

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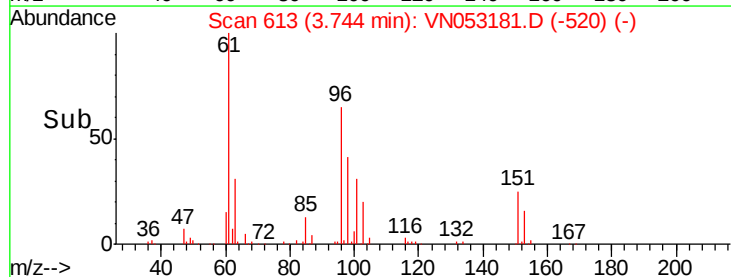
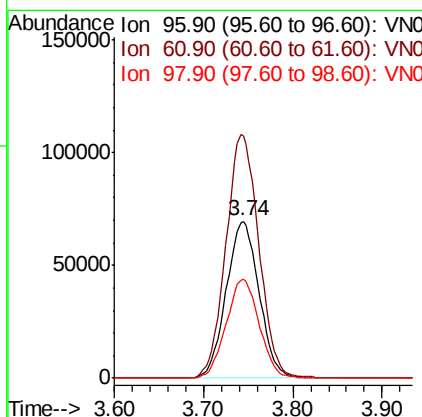
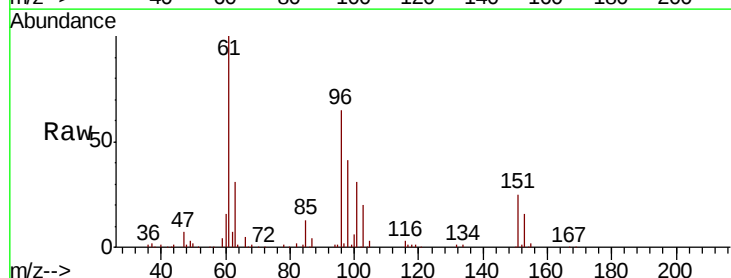
MMDadoda
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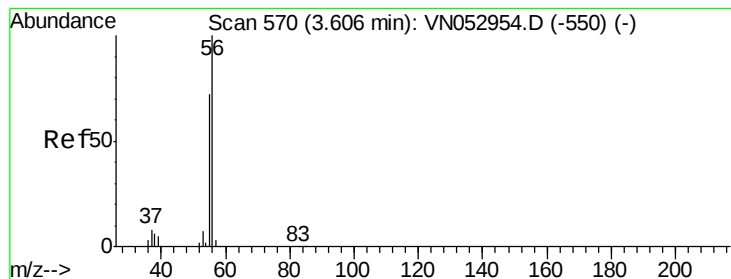


#12

1,1-Dichloroethene
Concen: 20.603 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion: 96 Resp: 177036
Ion Ratio Lower Upper
96 100
61 154.1 125.6 188.4
98 63.2 50.6 75.8





#13

Acrolein

Concen: 104.603 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

Tot Ion: 56 Resp: 52946

Ion Ratio Lower Upper

56 100

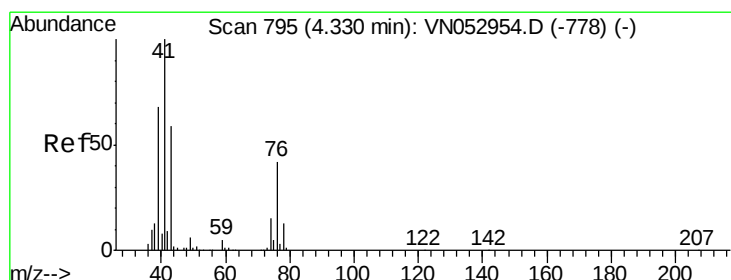
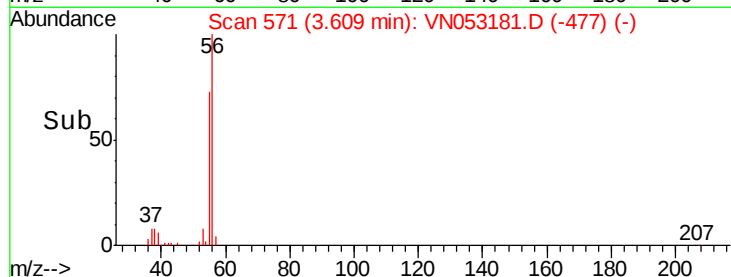
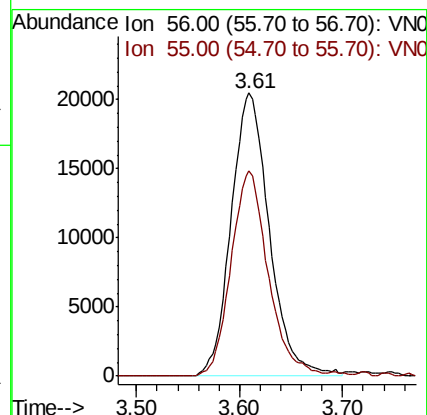
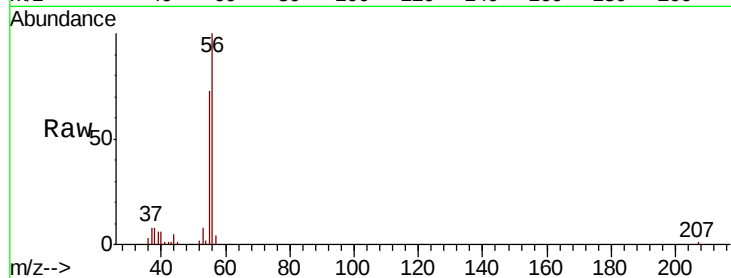
55 70.1 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 22.661 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

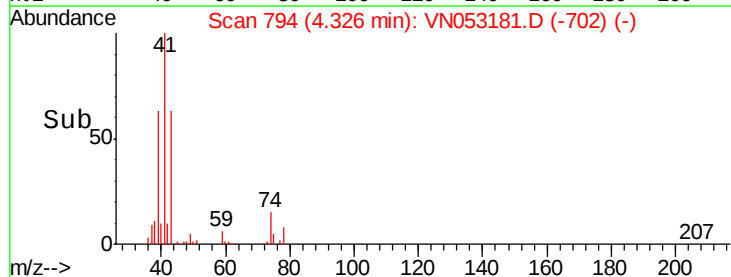
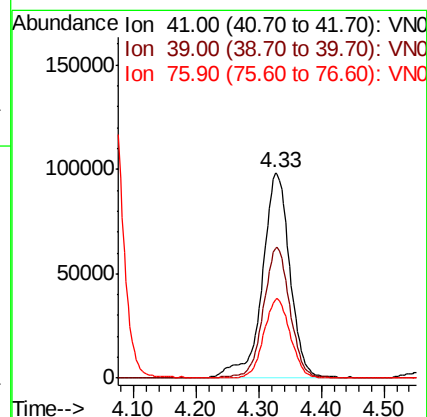
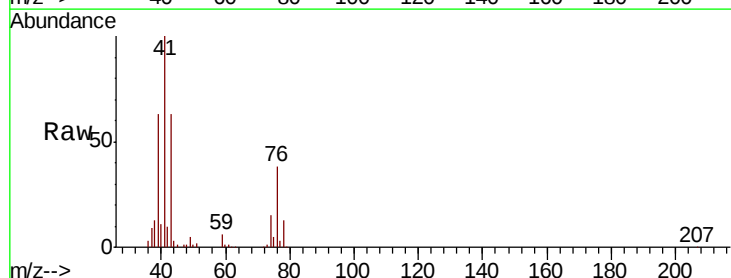
Tgt Ion: 41 Resp: 301608

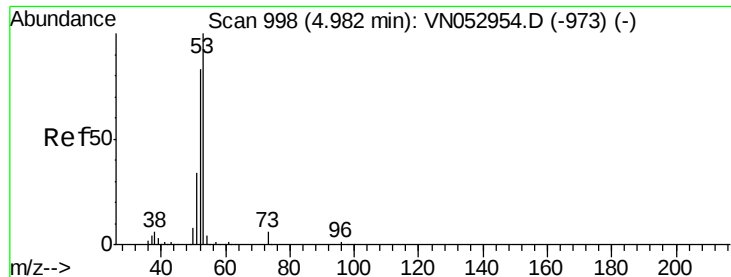
Ion Ratio Lower Upper

41 100

39 61.2 54.1 81.1

76 36.9 30.3 45.5





#15

Acrylonitrile

Concen: 105.649 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

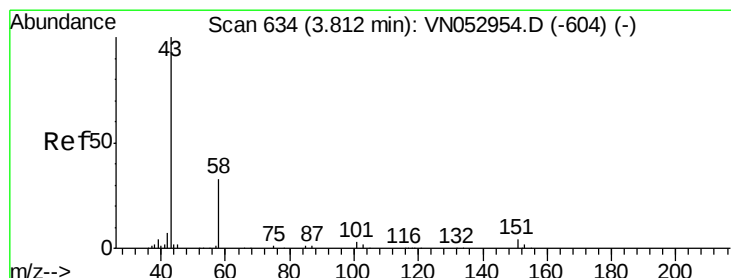
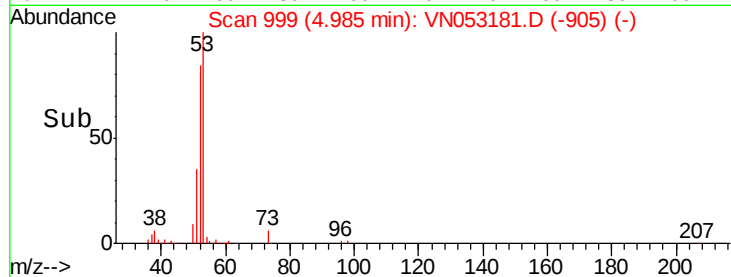
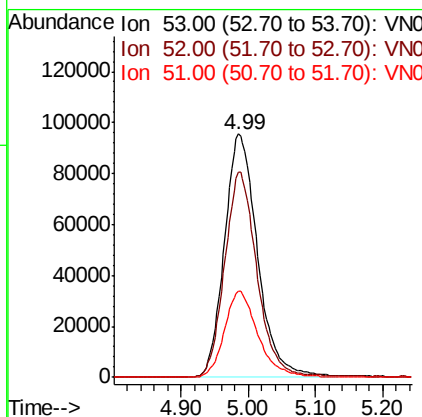
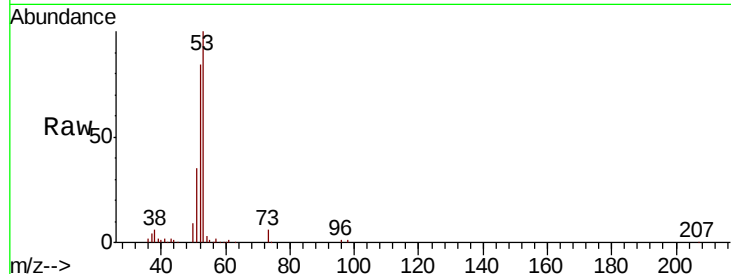
ClientSampleId :

VN1224WBS01

Tot Ion:	53	Resp:	327639
Ion Ratio		Lower	Upper
53	100		
52	82.0	65.1	97.7
51	35.5	28.1	42.1

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#16

Acetone

Concen: 112.242 ug/l

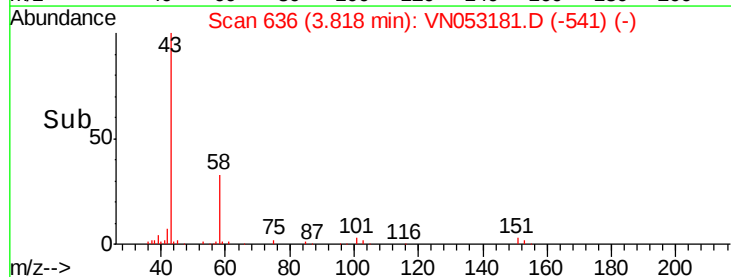
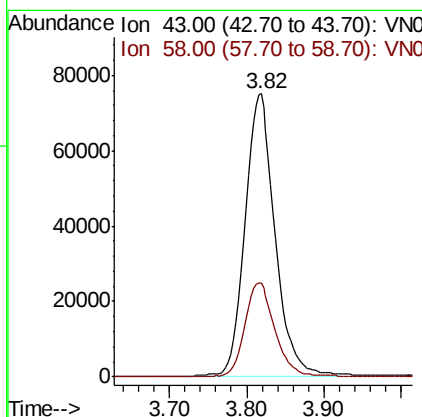
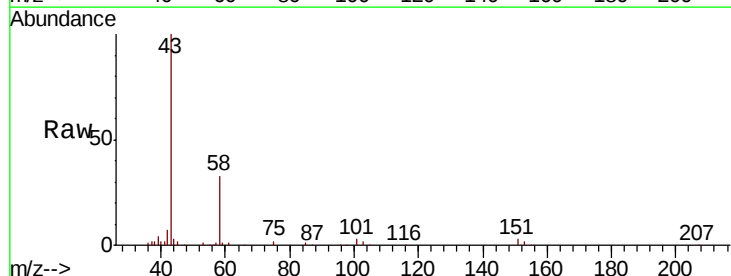
RT: 3.82 min Scan# 636

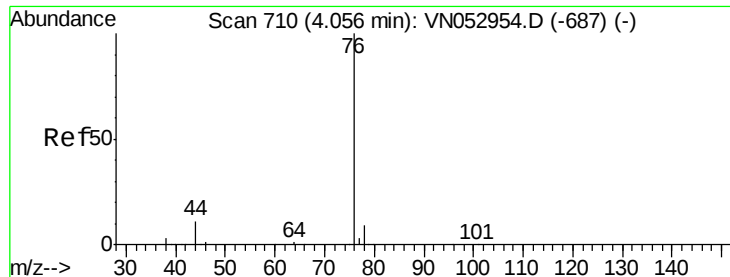
Delta R.T. 0.01 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Tgt Ion:	43	Resp:	201338
Ion Ratio		Lower	Upper
43	100		
58	33.0	25.4	38.0





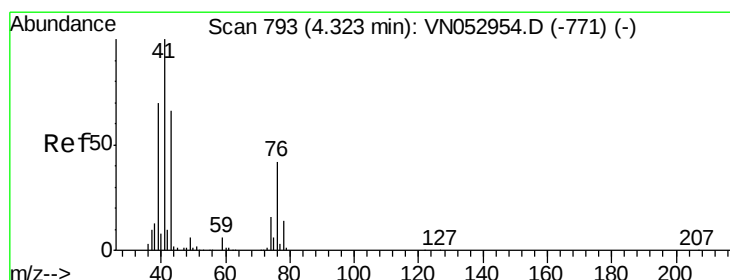
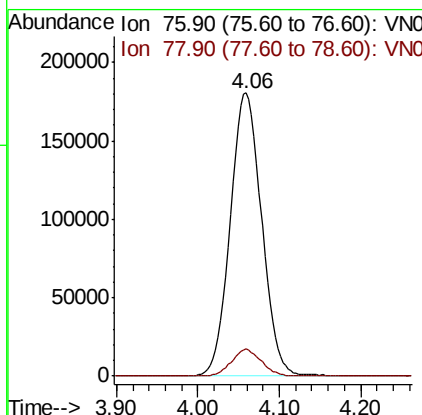
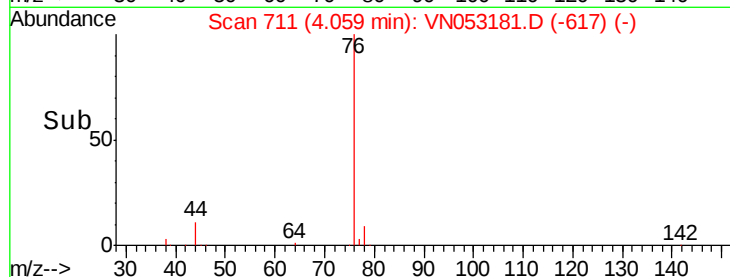
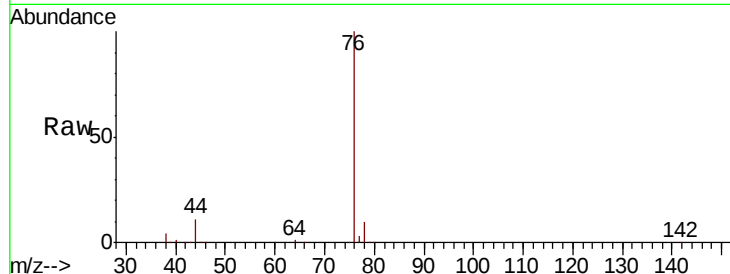
#17
Carbon Disulfide
Concen: 17.321 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

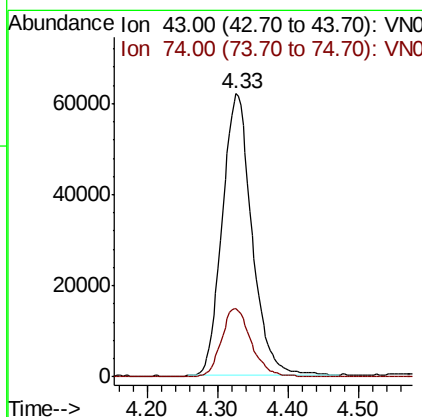
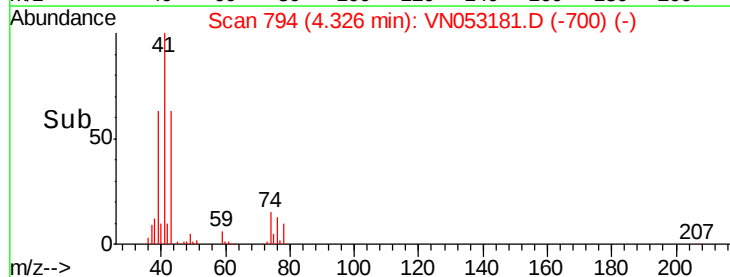
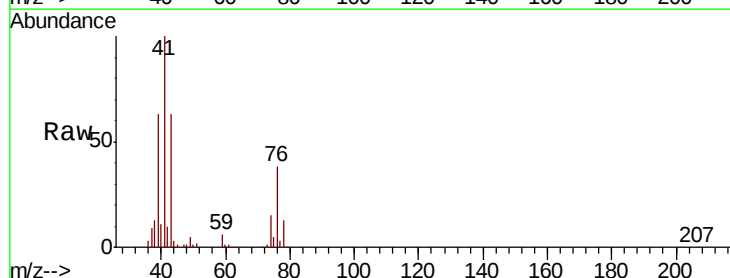
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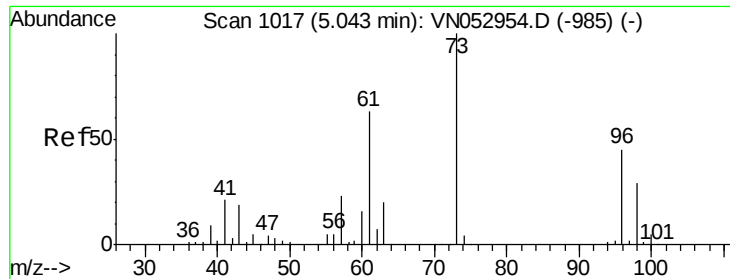
MMDadoda
12/26/2018 10:53:54 AM



#18
Methyl Acetate
Concen: 22.919 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8





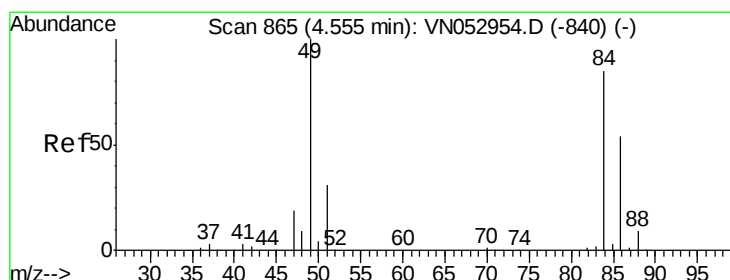
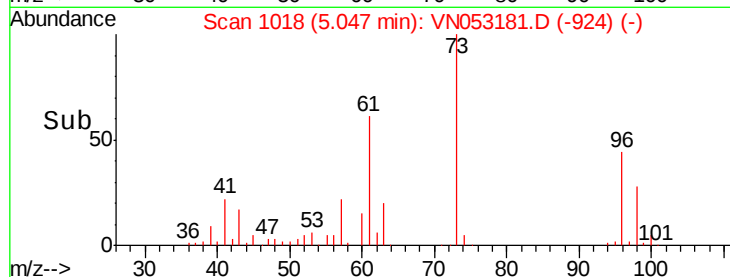
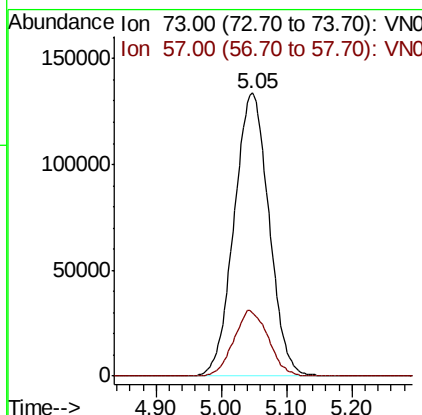
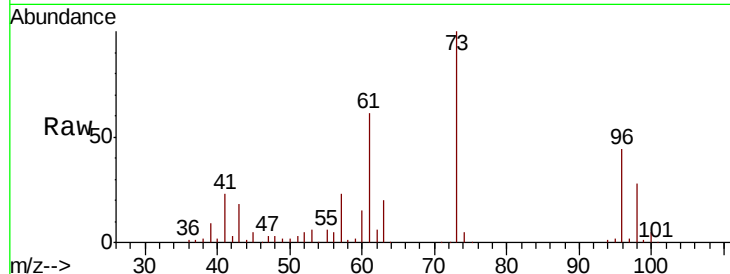
#19
Methvl tert-butvl Ether
Concen: 21.577 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion: 73 Resp: 496148
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6

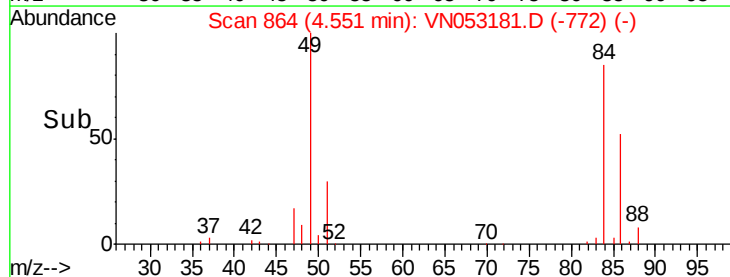
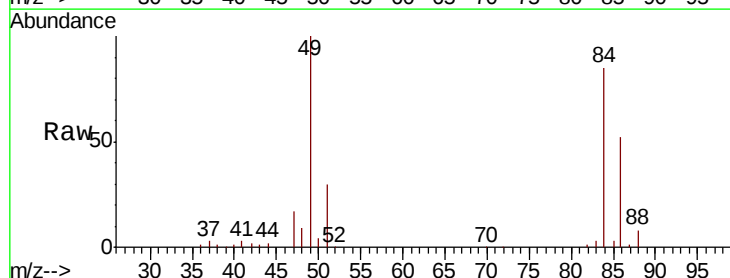
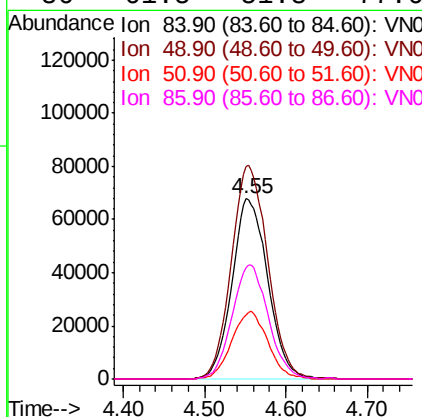
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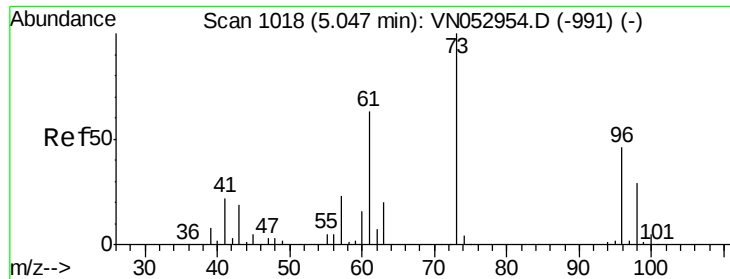
MMDadoda
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#20
Methylene Chloride
Concen: 21.180 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion: 84 Resp: 207247
Ion Ratio Lower Upper
84 100
49 118.0 96.8 145.2
51 35.8 29.9 44.9
86 61.5 51.8 77.6





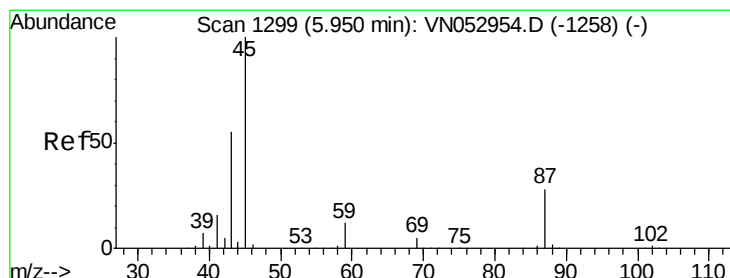
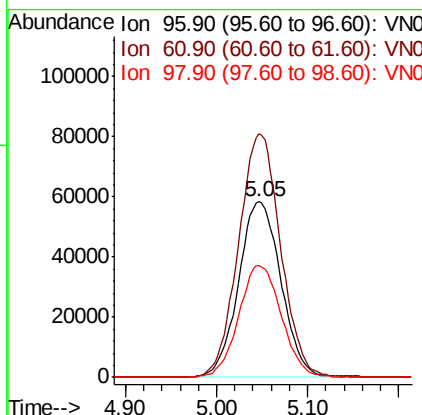
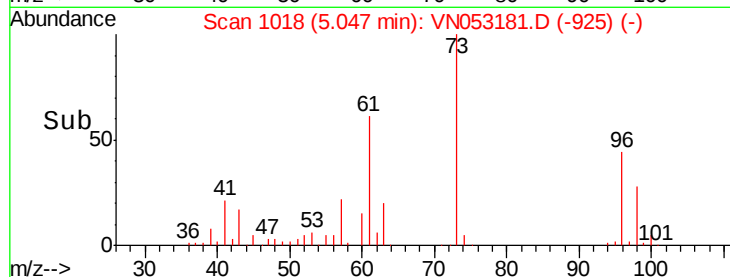
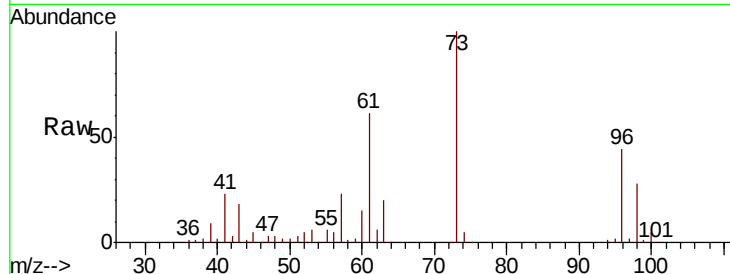
#21
trans-1,2-Dichloroethene
Concen: 20.494 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion	96	Resp	189203
Ion Ratio	Lower	Upper	
96	100		
61	138.7	110.8	166.2
98	63.9	51.4	77.2

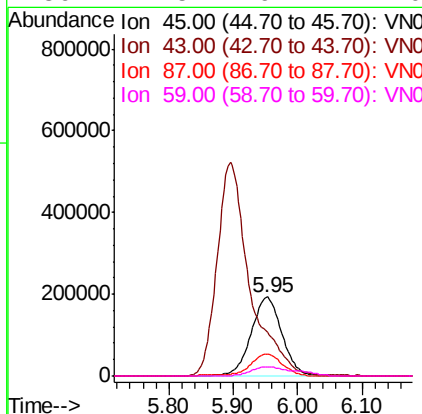
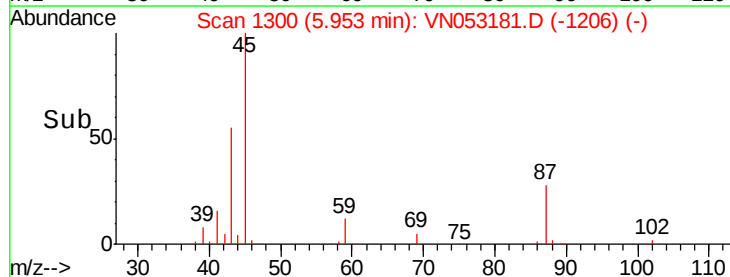
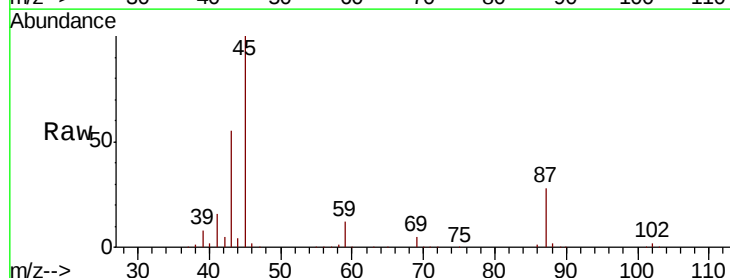
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#22
Diisopropyl ether
Concen: 22.684 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion	45	Resp	644458
Ion Ratio	Lower	Upper	
45	100		
43	54.8	45.5	68.3
87	27.8	22.0	33.0
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 113.071 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

Tot Ion: 43 Resp: 1847201

Ion Ratio Lower Upper

43 100

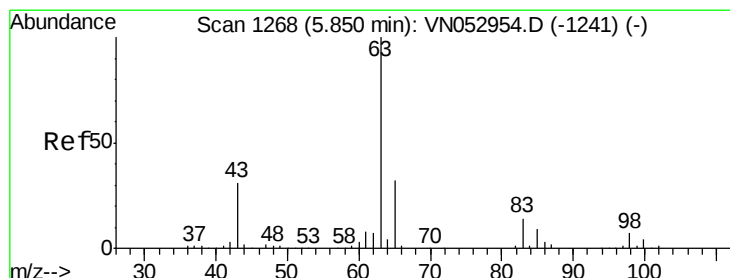
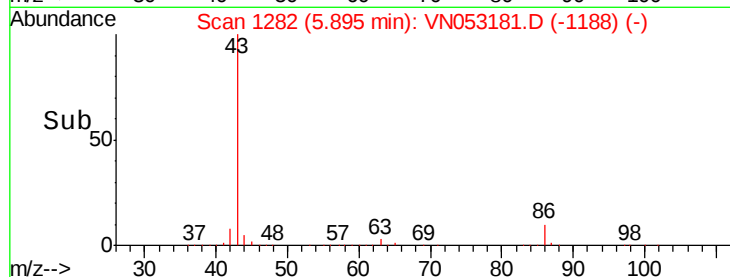
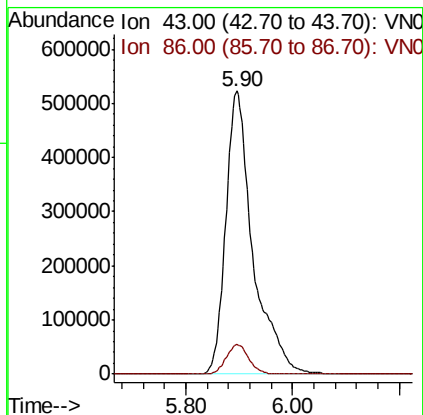
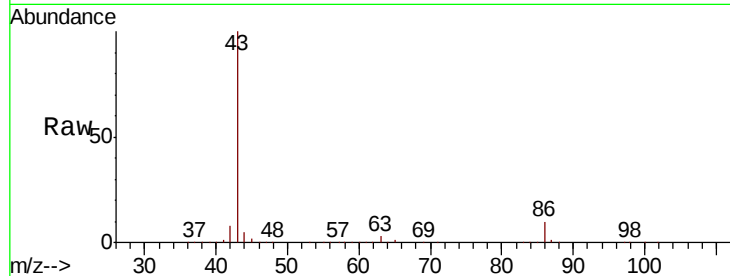
86 10.4 8.1 12.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.613 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

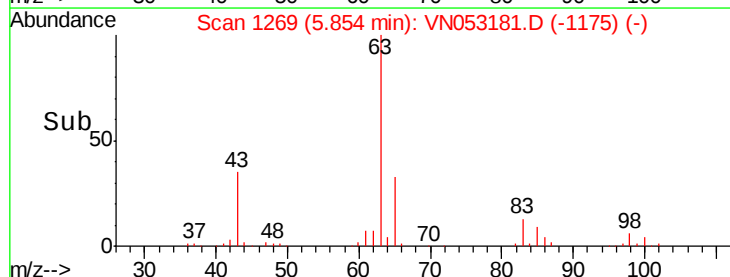
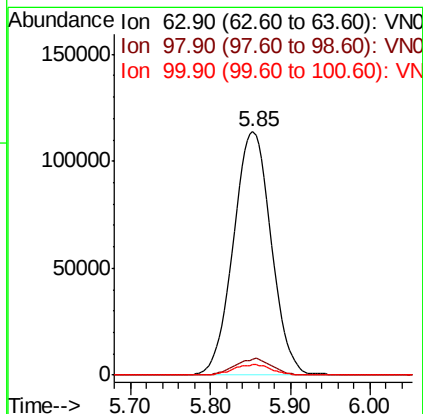
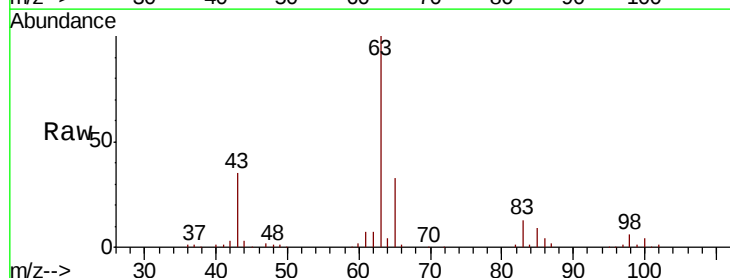
Tgt Ion: 63 Resp: 364874

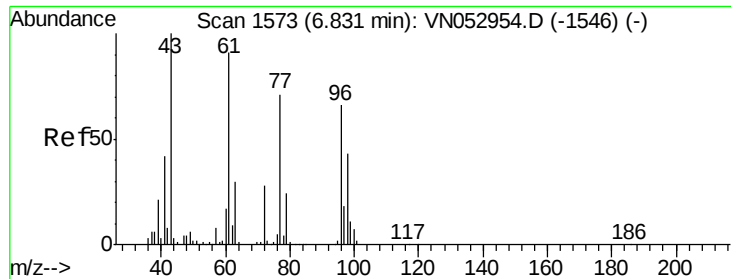
Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 4.2 2.0 5.8





#25

2-Butanone

Concen: 113.641 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

Tot Ion: 43 Resp: 342105

Ion Ratio Lower Upper

43 100

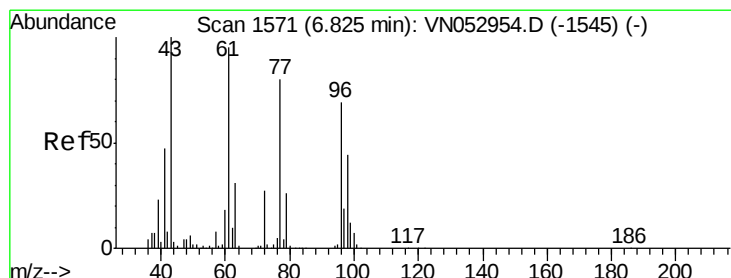
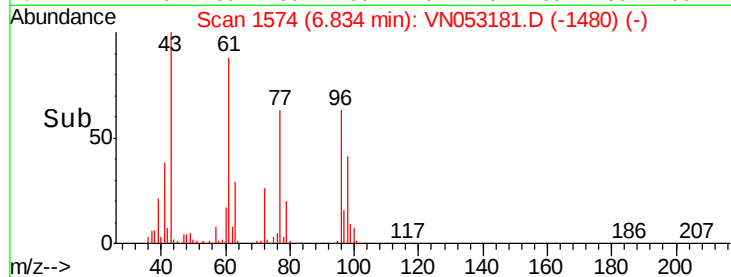
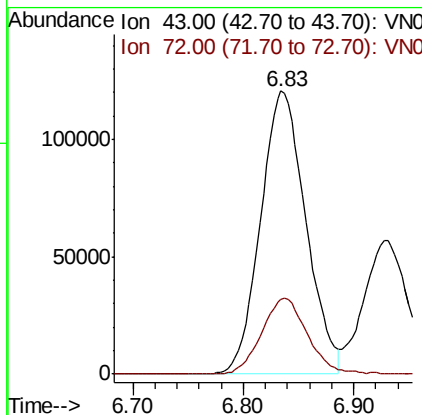
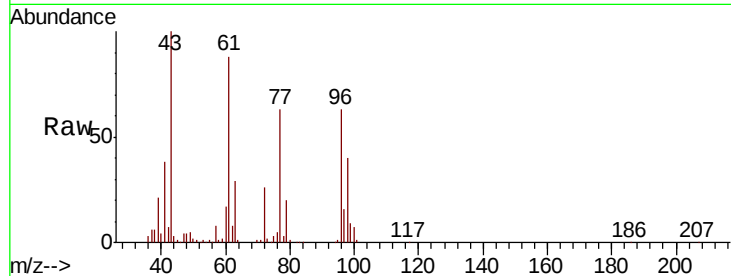
72 26.4 21.0 31.6

Manual Integrations

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12/26/2018 10:53:54 AM



#26

2,2-Dichloropropane

Concen: 19.715 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053181.D

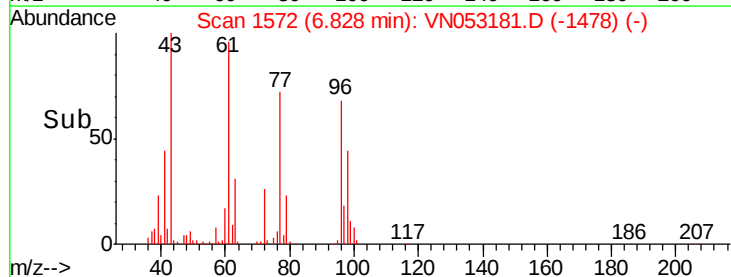
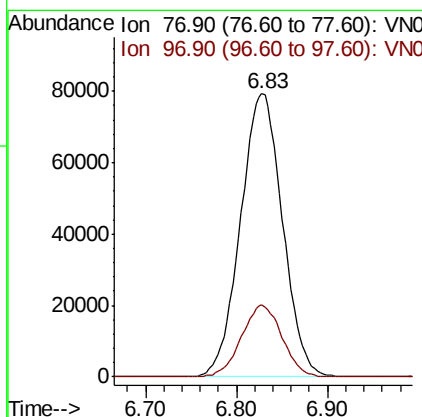
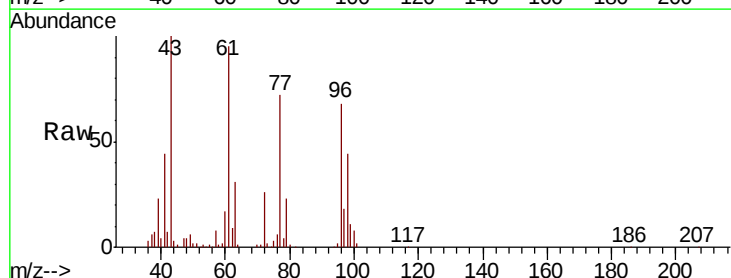
Acq: 24 Dec 2018 13:26

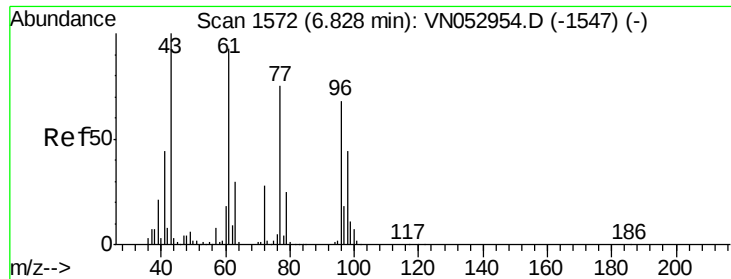
Tgt Ion: 77 Resp: 254073

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.473 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

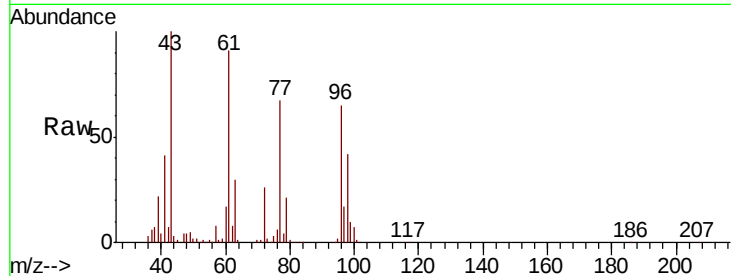
ClientSampleId :

VN1224WBS01

Tot Ion:	96	Resp:	224433
Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	284.2
98	64.1	0.0	129.2

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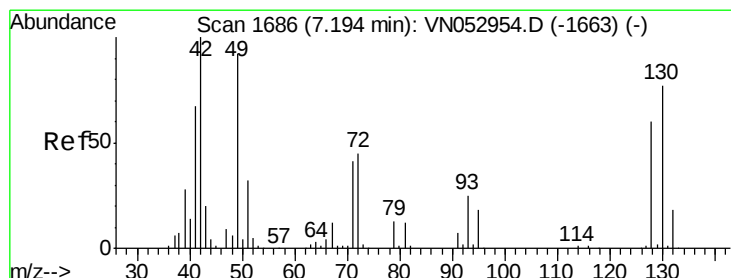
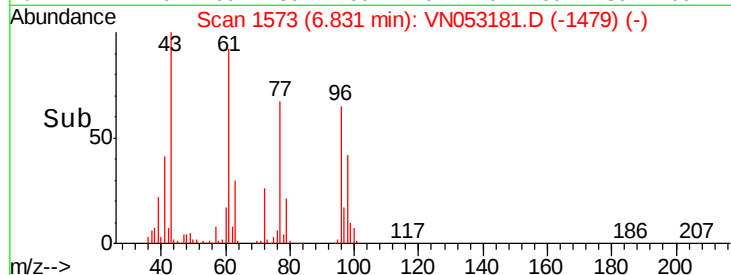
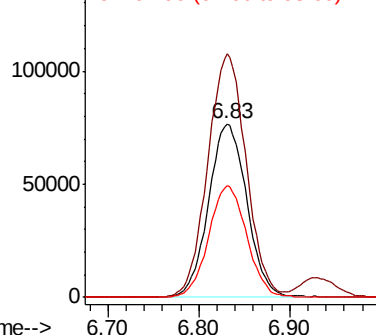


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.245 ug/l

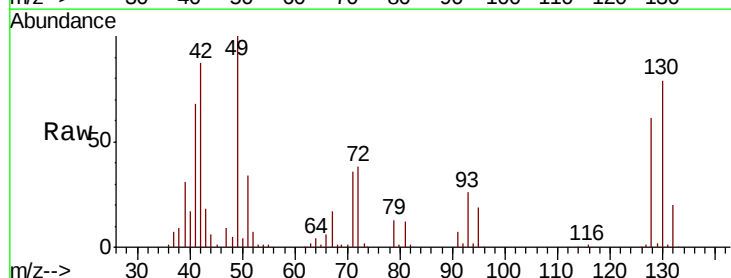
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Tgt Ion:	49	Resp:	162727
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	80.8	63.3	94.9

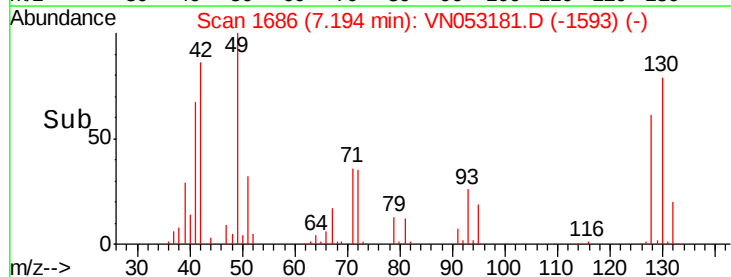
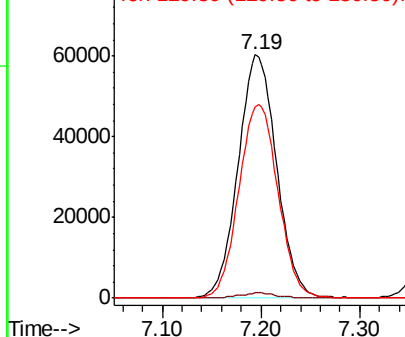


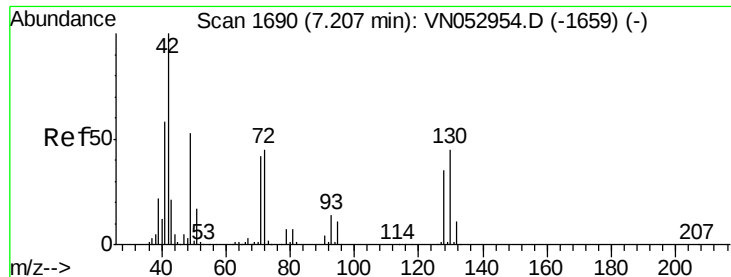
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





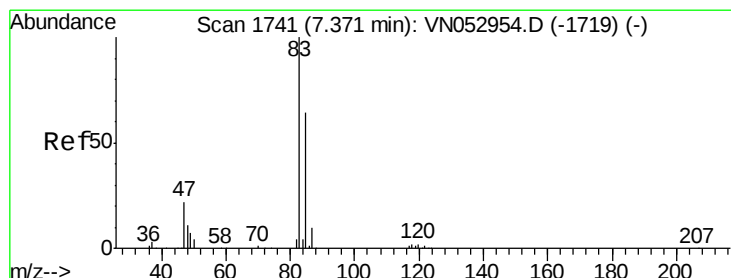
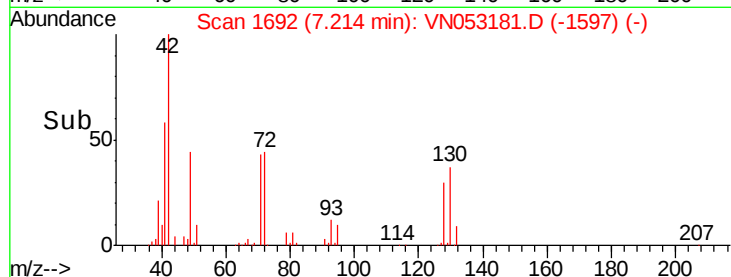
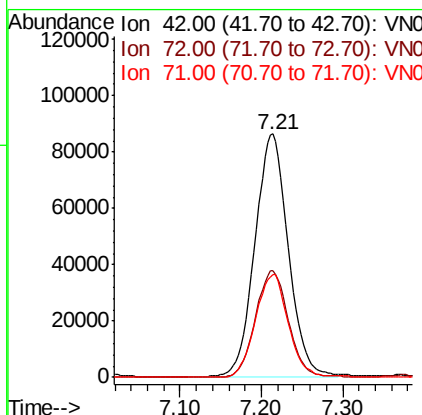
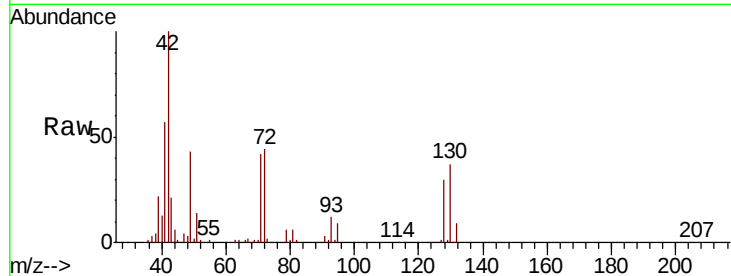
#29
Tetrahydrofuran
Concen: 109.678 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.7	52.1
71	41.4	32.3	48.5

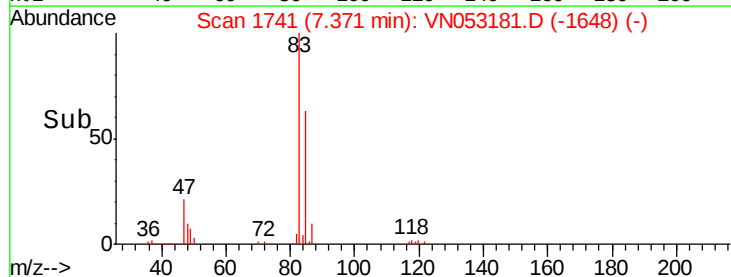
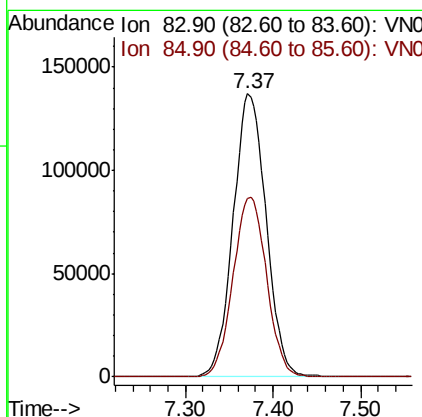
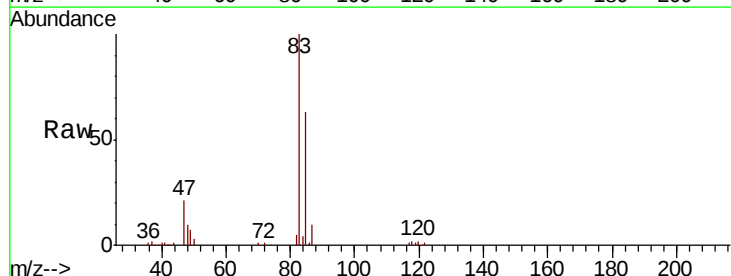
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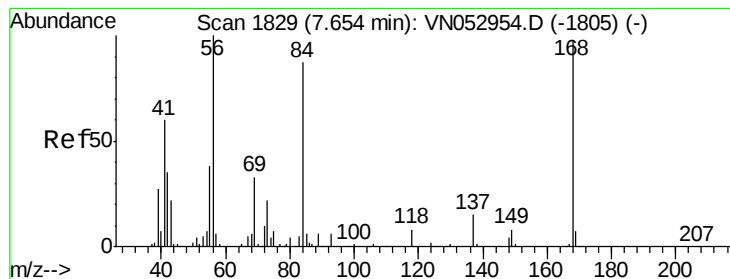
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#30
Chloroform
Concen: 21.668 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.1	78.1





#31

Cyclohexane

Concen: 20.547 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

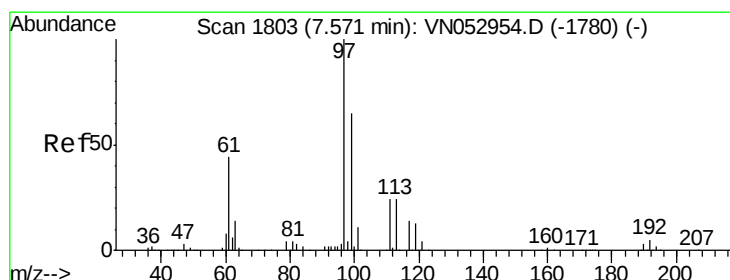
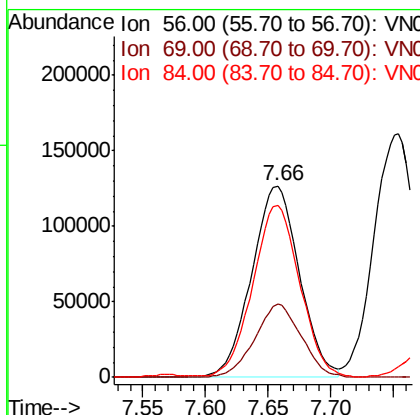
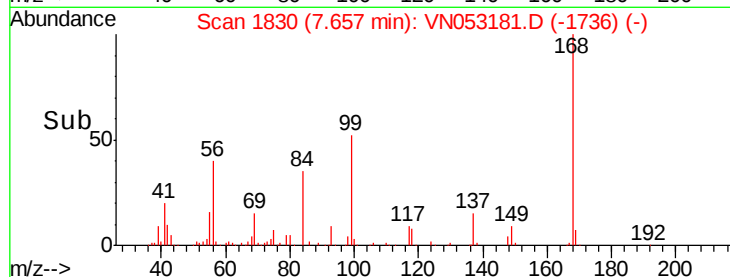
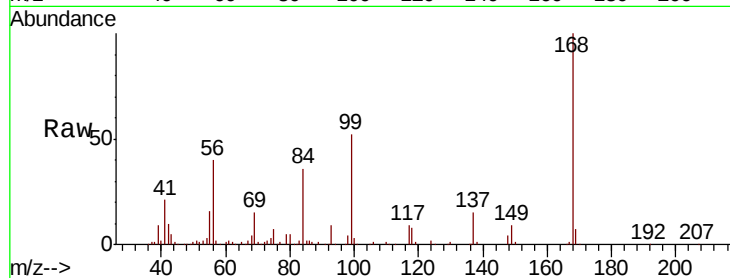
ClientSampleId :

VN1224WBS01

Tot Ion:	56	Resp:	335129
Ion Ratio	Lower	Upper	
56	100		
69	38.3	26.6	39.8
84	88.9	68.4	102.6

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#32

1,1,1-Trichloroethane

Concen: 20.951 ug/l

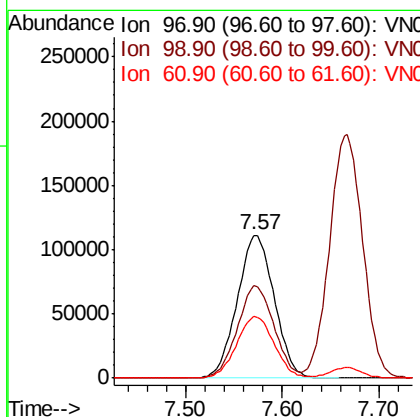
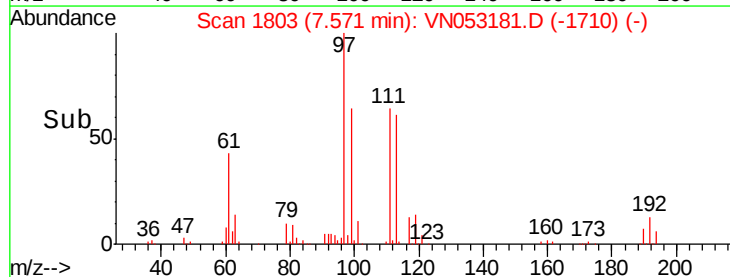
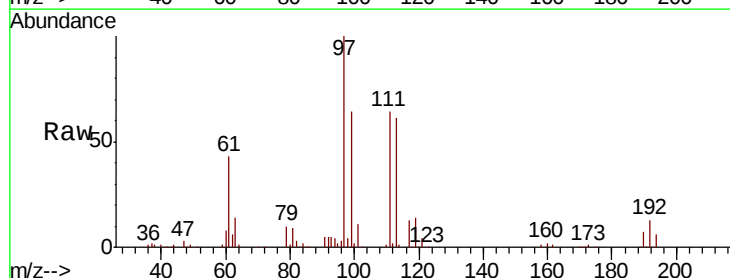
RT: 7.57 min Scan# 1803

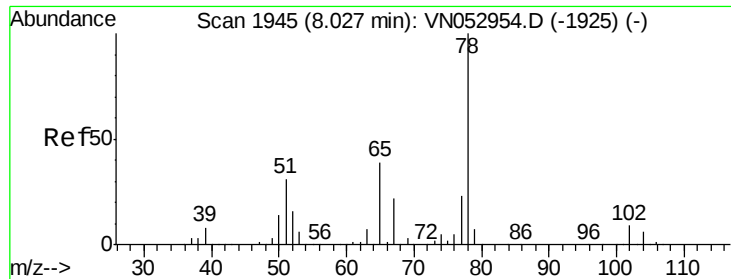
Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Tgt Ion:	97	Resp:	295984
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.1	76.7
61	43.7	35.0	52.6





#33

1,2-Dichloroethane-d4

Concen: 20.951 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

Tot Ion: 65 Resp: 458099

Ion Ratio Lower Upper

65 100

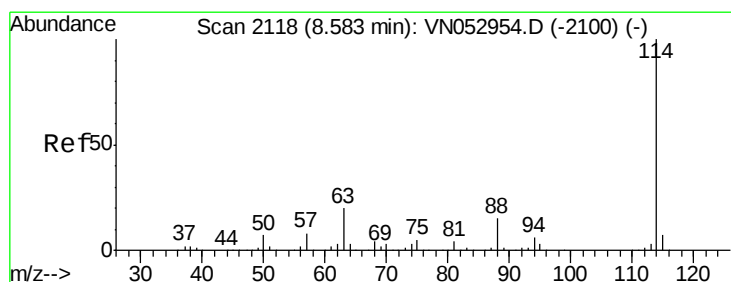
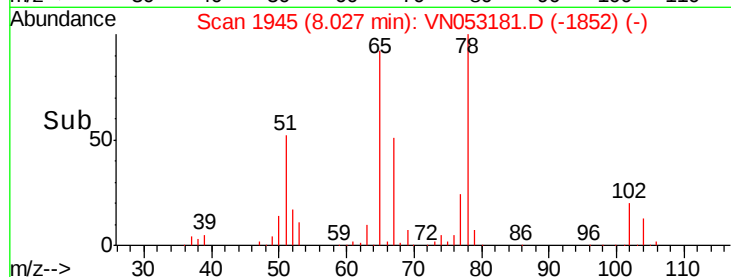
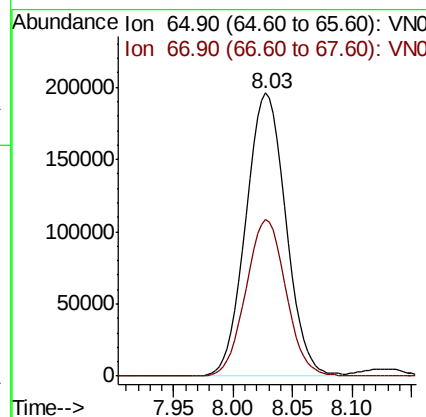
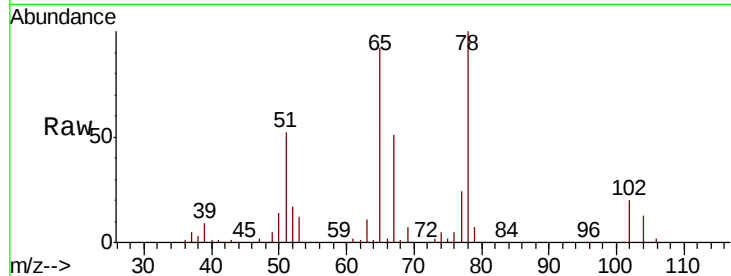
67 55.2 0.0 110.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

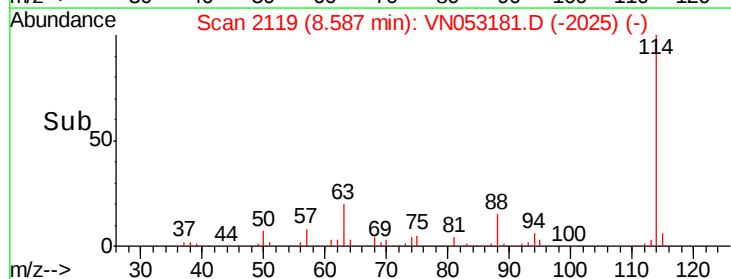
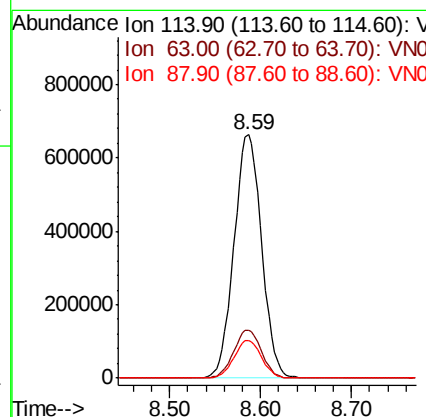
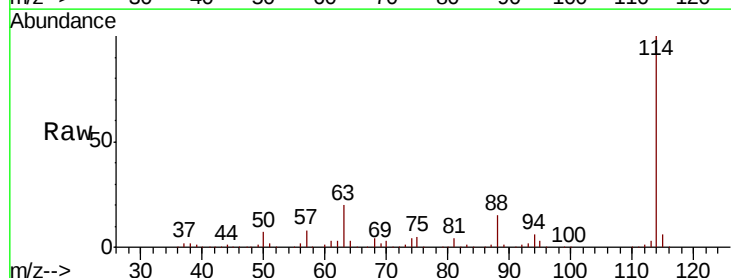
Tgt Ion: 114 Resp: 1395111

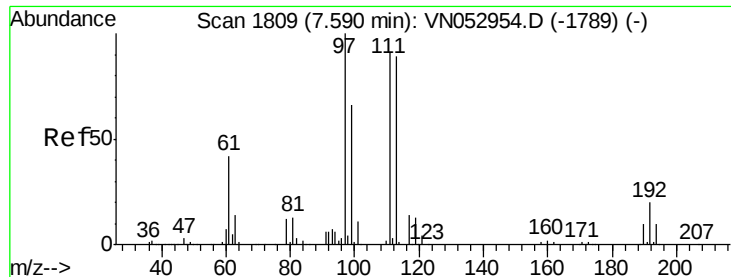
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

88 15.3 0.0 31.0





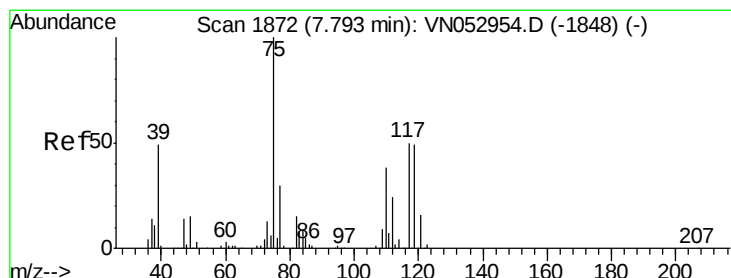
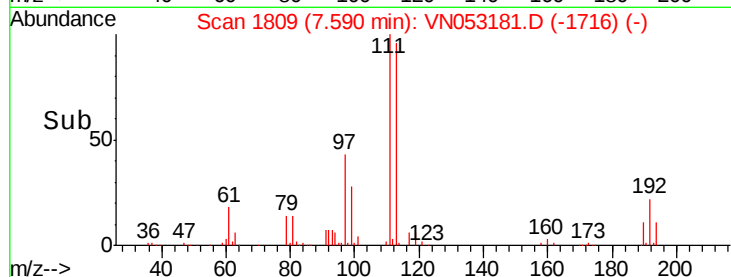
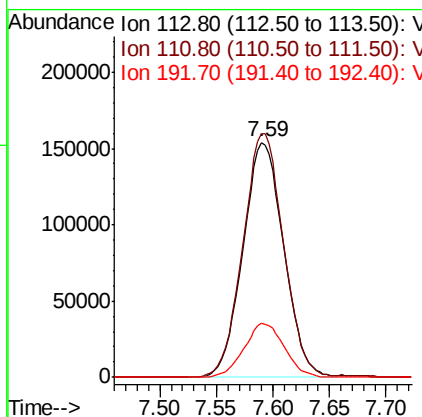
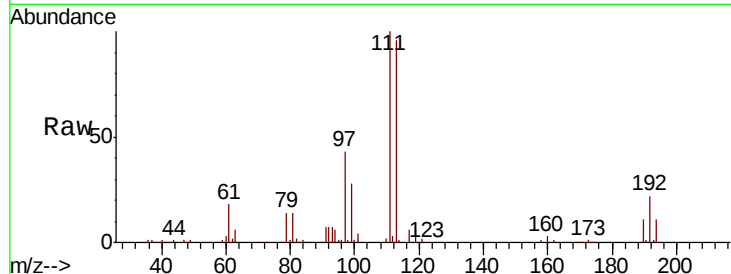
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.2	83.0	124.4	
192	22.6	17.5	26.3	

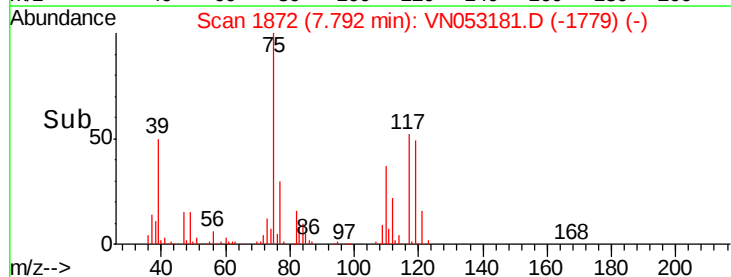
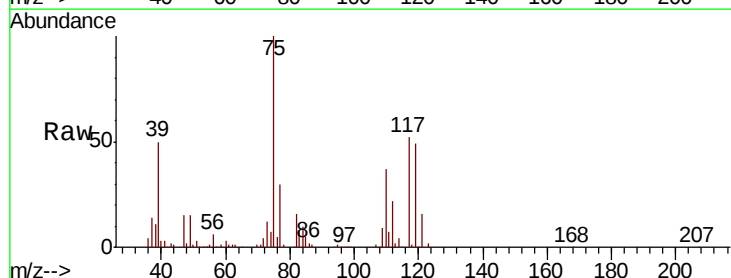
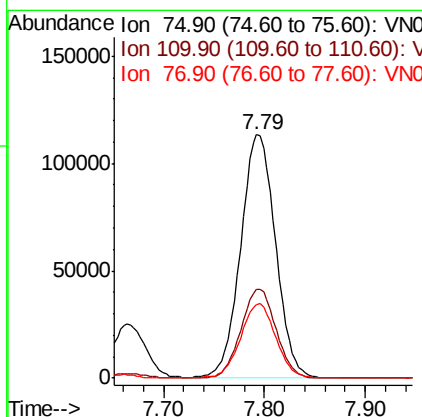
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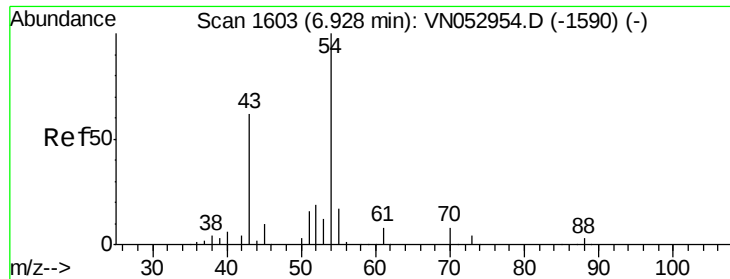
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#36
 1,1-Dichloropropene
 Concen: 20.209 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.9	18.2	54.6	
77	31.1	24.9	37.3	





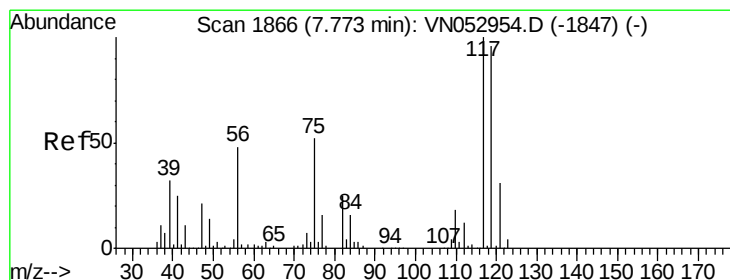
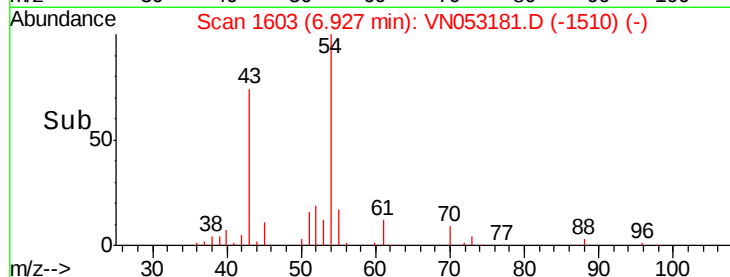
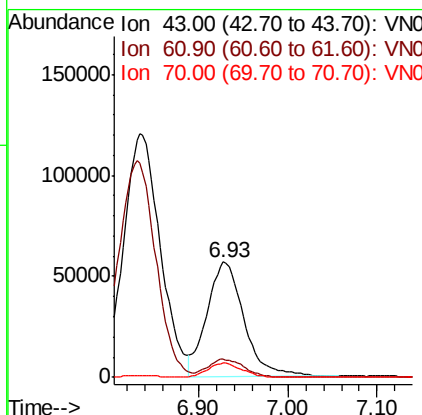
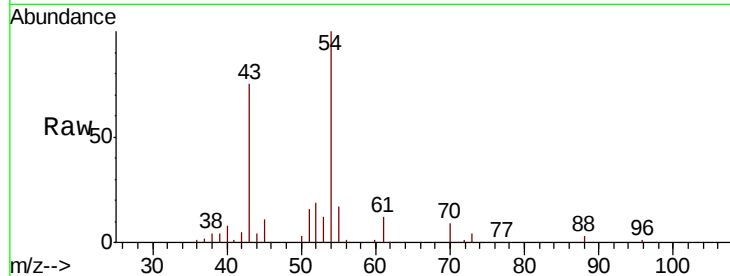
#37
Ethyl Acetate
Concen: 21.720 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion	43	61	70
Ion	100	14.8	11.6
Ratio			
Lower		11.8	8.4
Upper		17.6	12.6

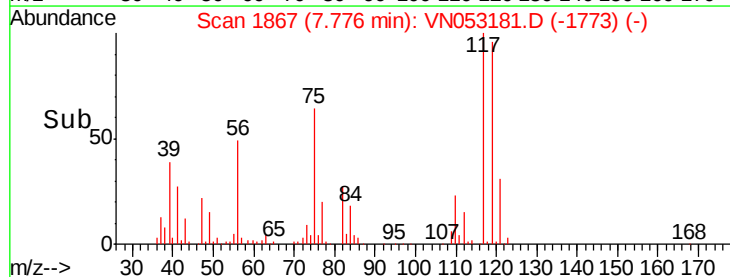
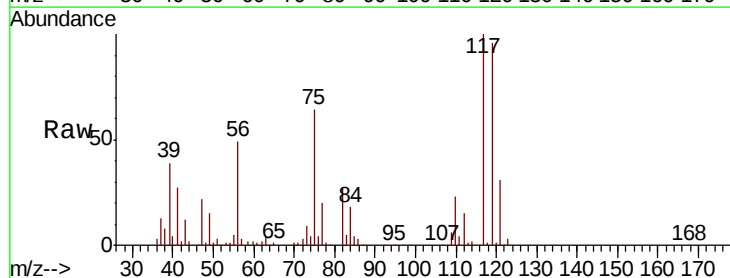
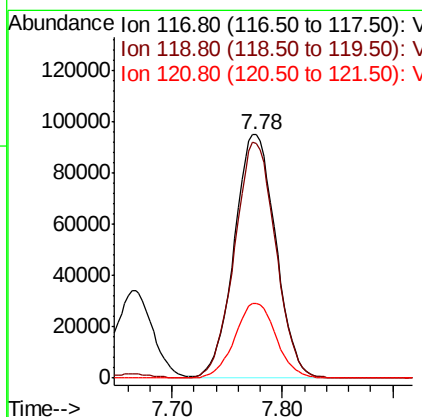
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#38
Carbon Tetrachloride
Concen: 20.014 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion	117	119	121
Ion	100	96.4	30.9
Ratio			
Lower		77.1	24.9
Upper		115.7	37.3





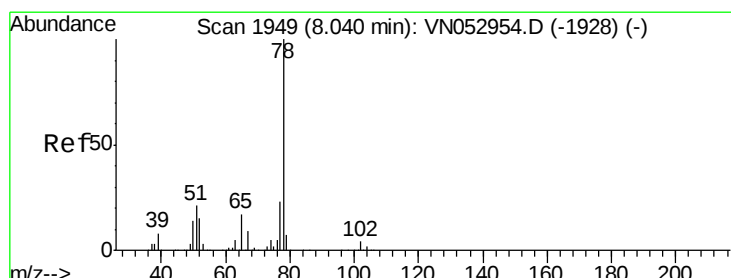
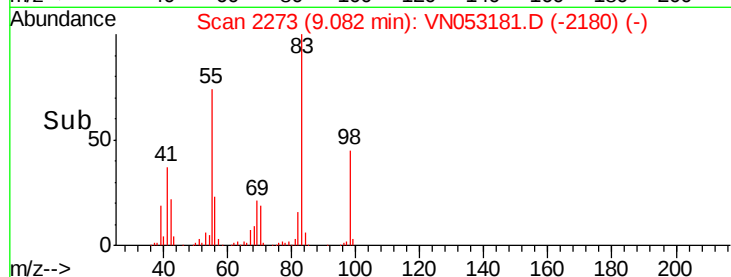
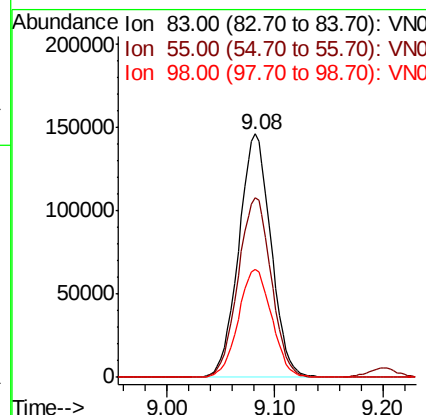
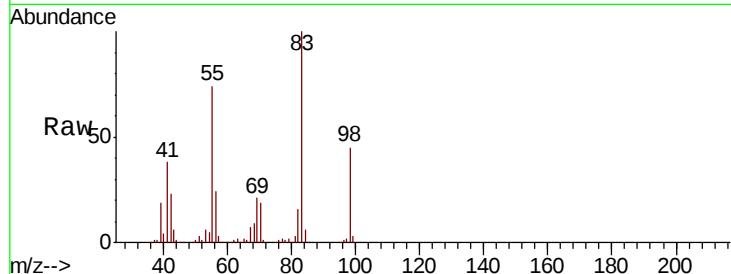
#39
Methvlcvclohexane
Concen: 18.678 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	61.3	91.9
98	44.5	37.0	55.4

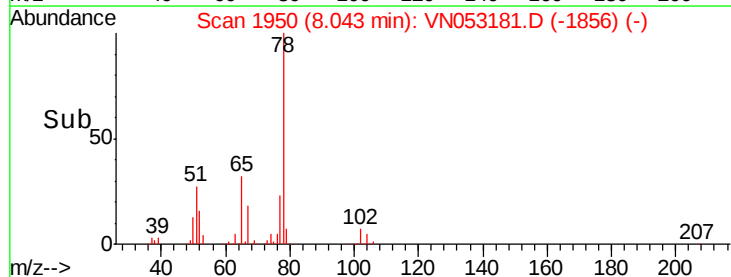
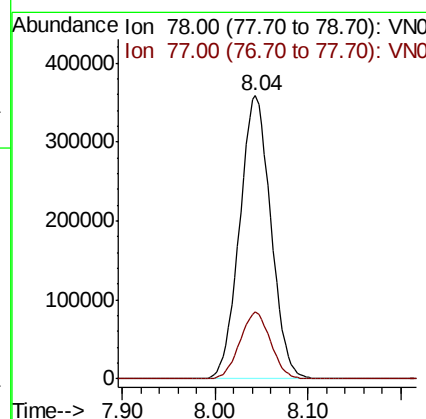
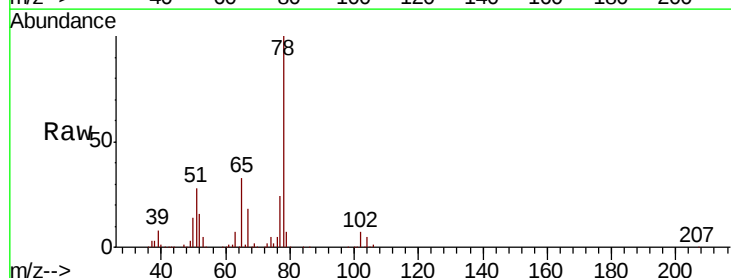
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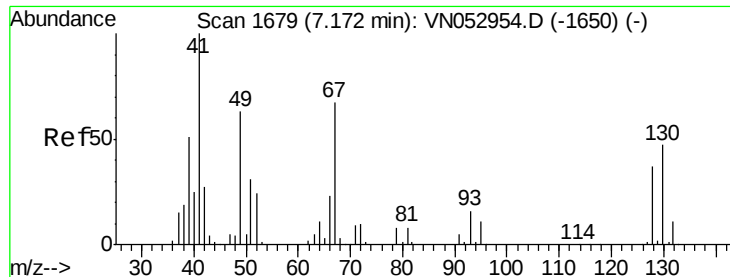
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#40
Benzene
Concen: 21.024 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7





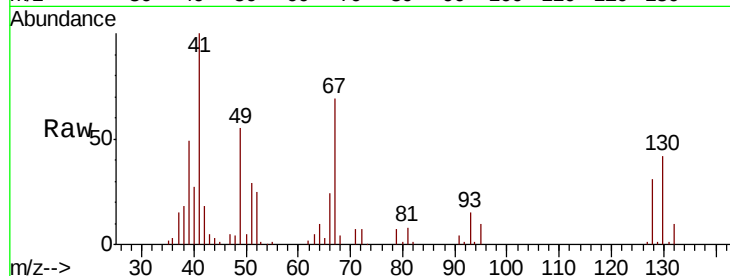
#41
Methacrylonitrile
Concen: 22.284 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

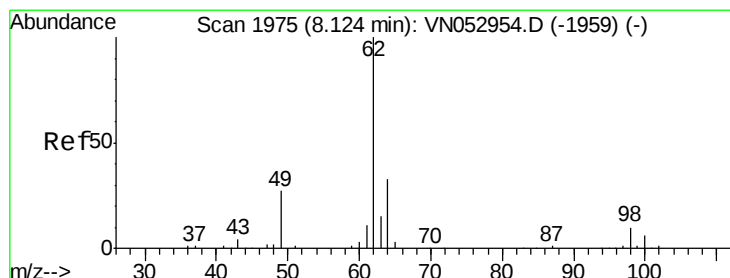
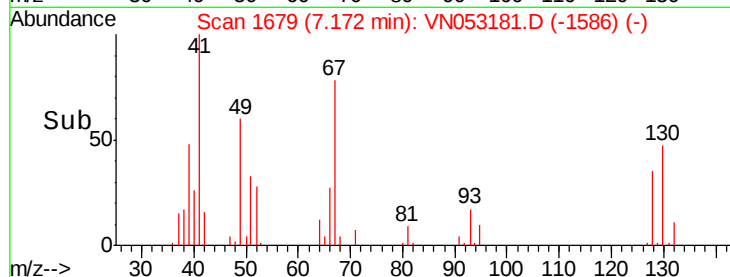
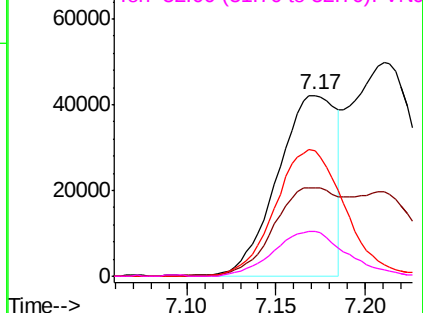
Tot Ion	41	Resp	96249
Ion	Ratio	Lower	Upper
41	100		
39	55.1	48.0	72.0
67	83.3	70.3	105.5
52	31.1	26.9	40.3

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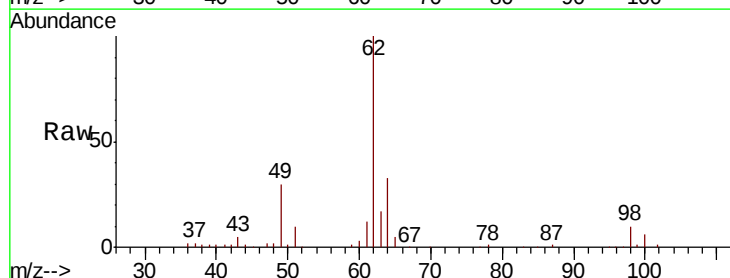


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

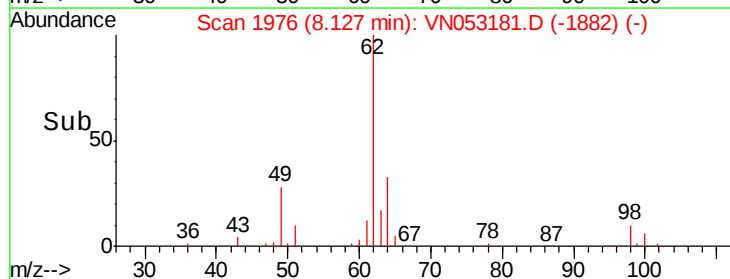
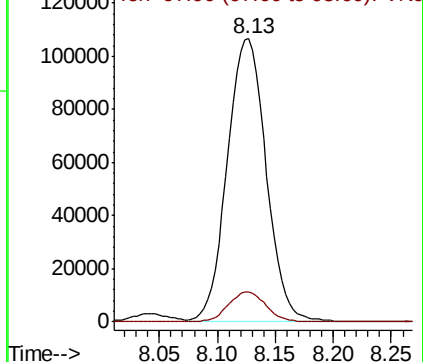


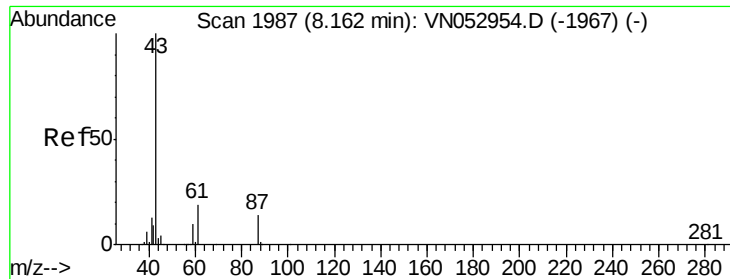
#42
1,2-Dichloroethane
Concen: 20.982 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion	62	Resp	246889
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.0



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





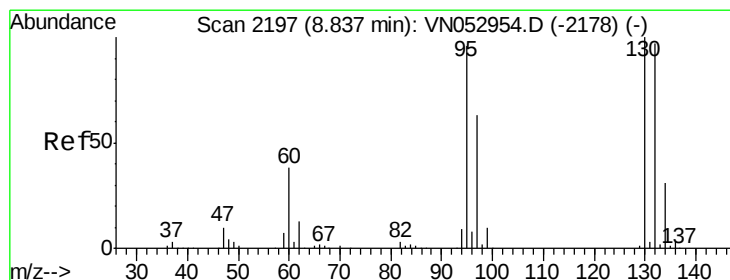
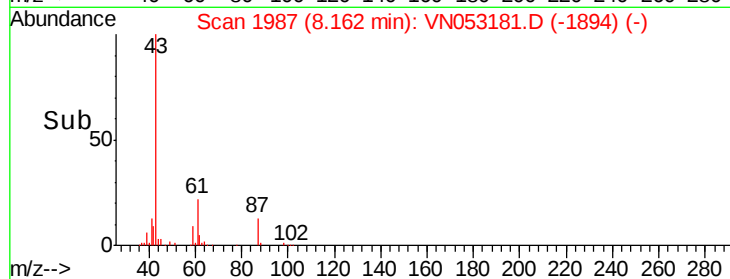
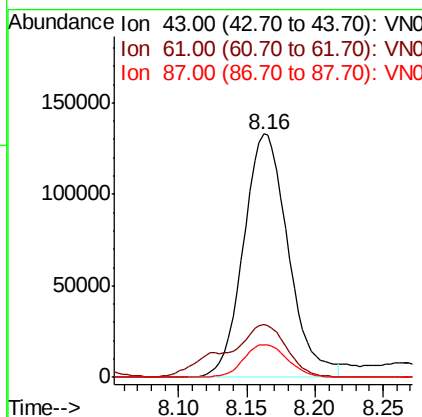
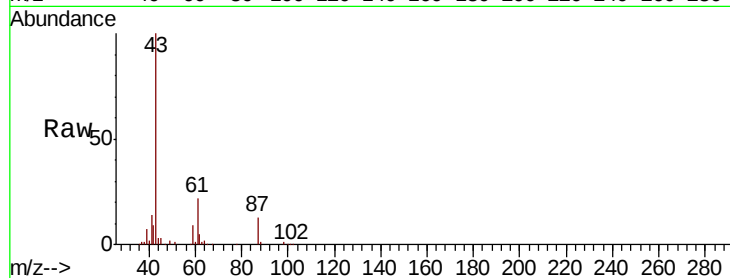
#43
Isopropyl Acetate
Concen: 20.199 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion	43	Resp	301206
Ion Ratio	100	Lower	Upper
43	100		
61	29.2	22.9	34.3
87	13.2	10.6	15.8

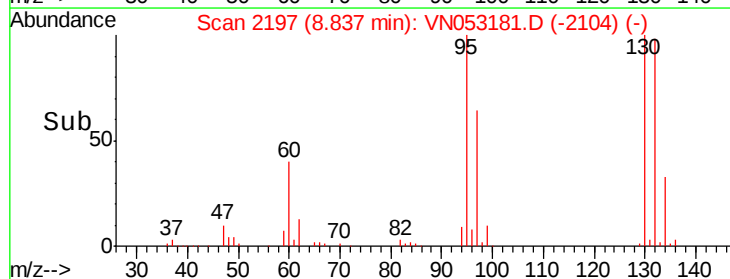
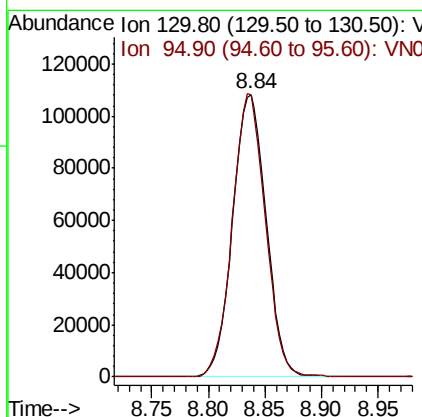
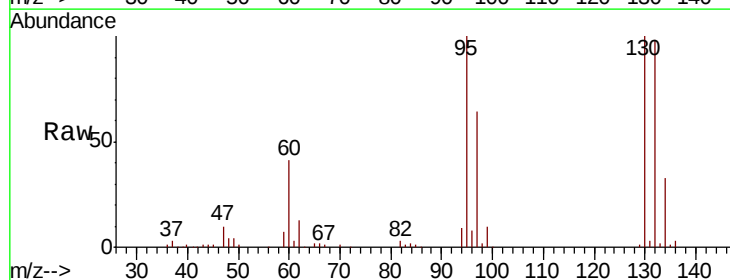
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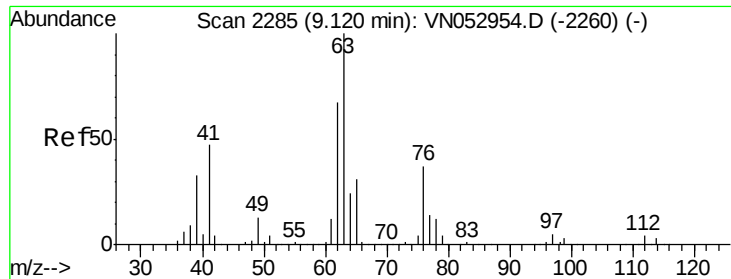
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#44
Trichloroethene
Concen: 19.384 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion	130	Resp	223318
Ion Ratio	100	Lower	Upper
130	100		
95	99.9	0.0	197.8





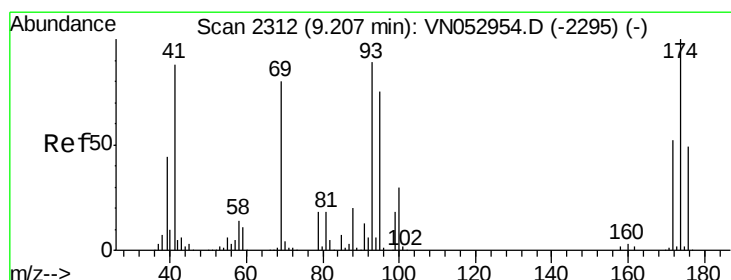
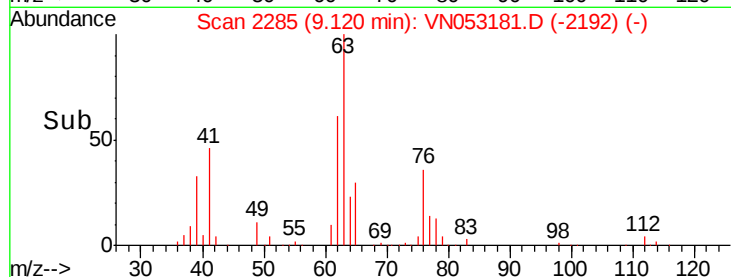
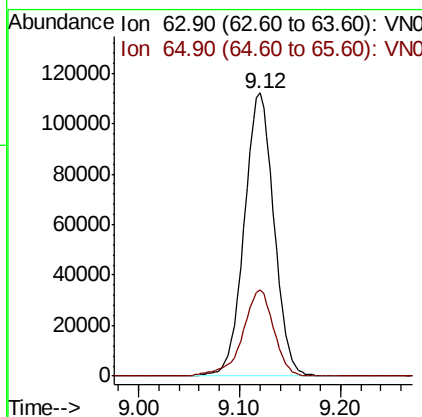
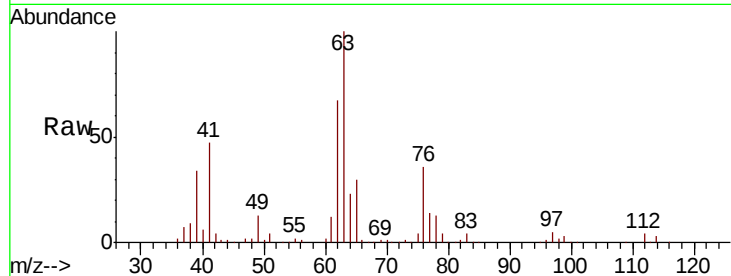
#45
 1,2-Dichloropropane
 Concen: 21.941 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

Tot Ion: 63 Resp: 227631
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 37.0

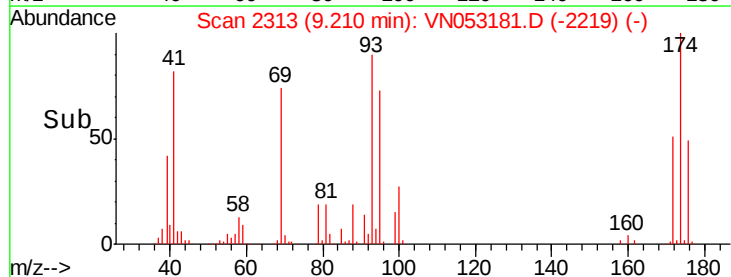
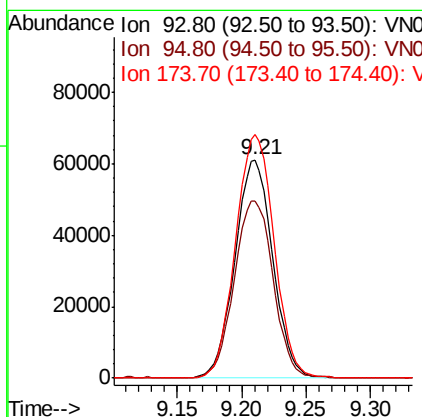
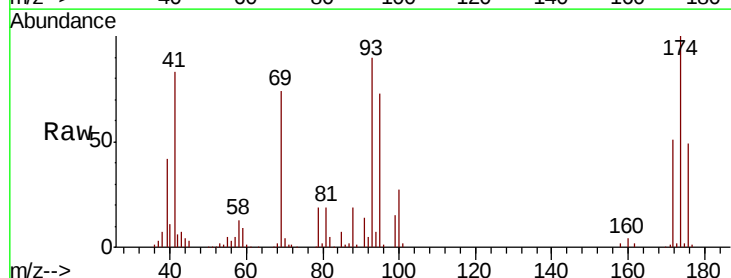
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#46
 Dibromomethane
 Concen: 20.656 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion: 93 Resp: 124840
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.8 101.6
 174 113.6 89.0 133.4





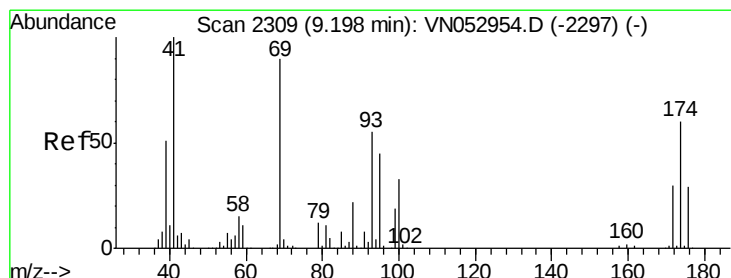
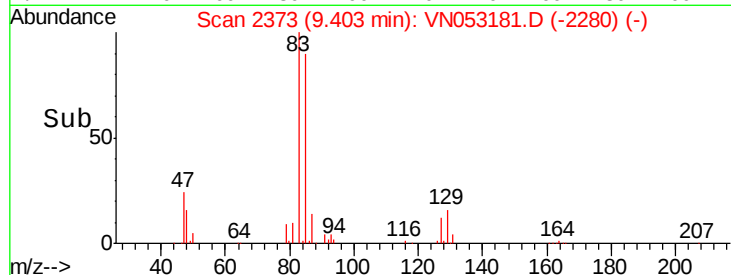
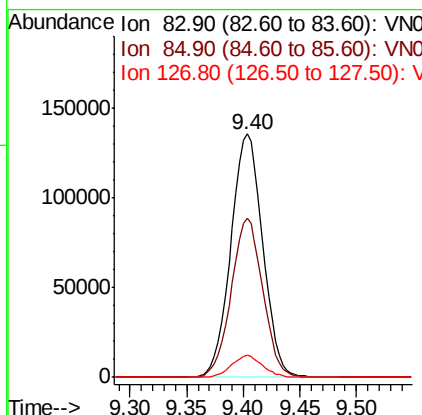
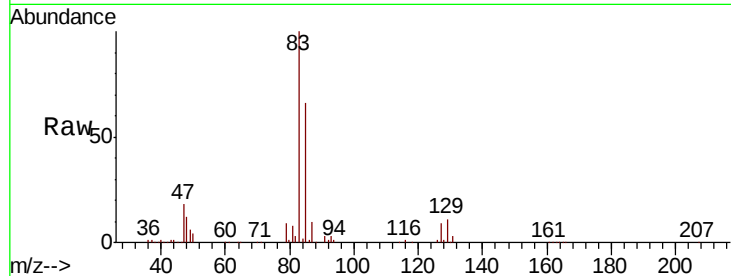
#47
Bromodichloromethane
Concen: 20.735 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion	83	Resp	266380
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	51.6	77.4
127	9.0	7.1	10.7

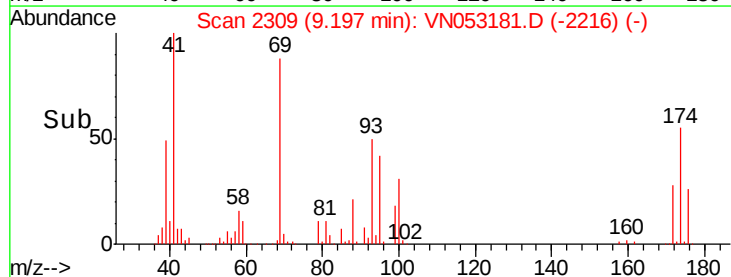
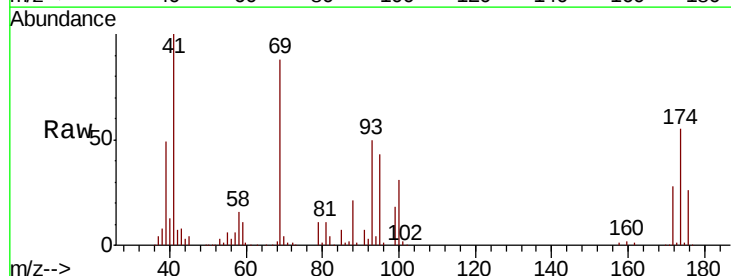
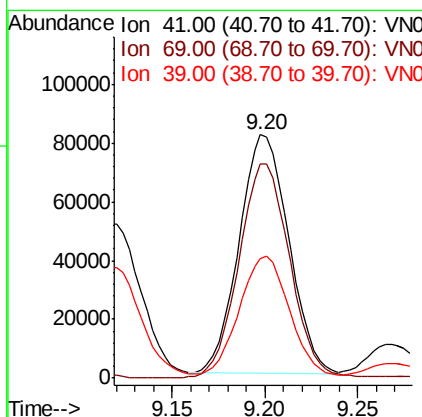
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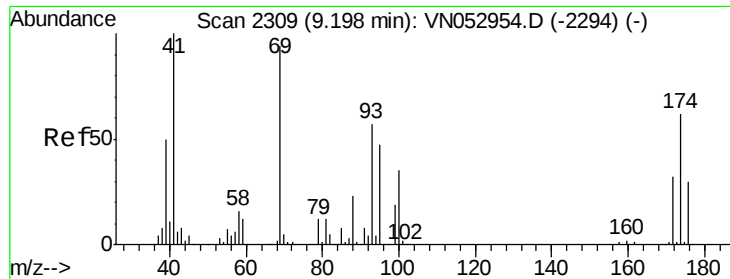
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#48
Methyl methacrylate
Concen: 20.792 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion	41	Resp	150820
Ion Ratio	100	Lower	Upper
41	100		
69	92.9	72.2	108.2
39	52.4	41.9	62.9





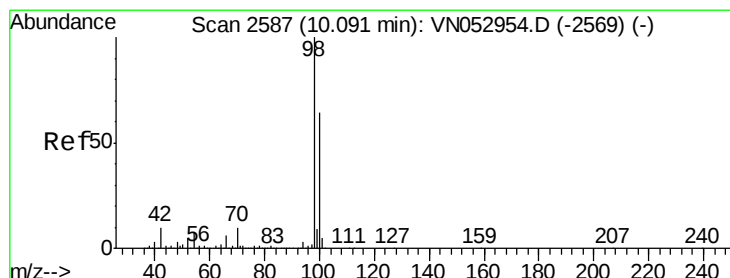
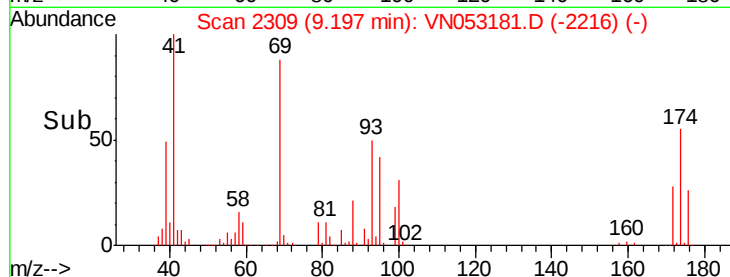
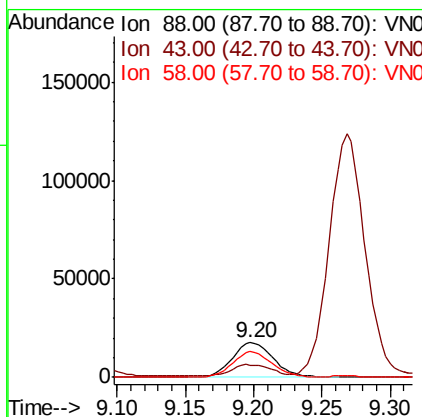
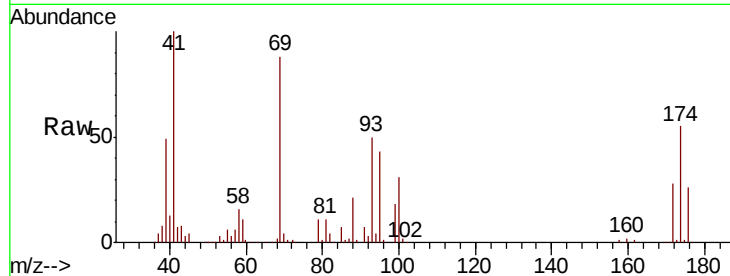
#49
1,4-Dioxane
Concen: 402.811 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.6	40.0
58	70.9	58.4	87.6

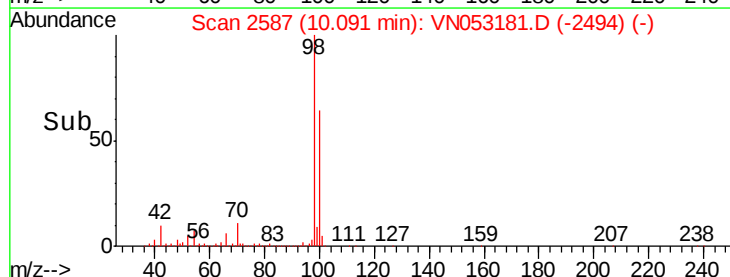
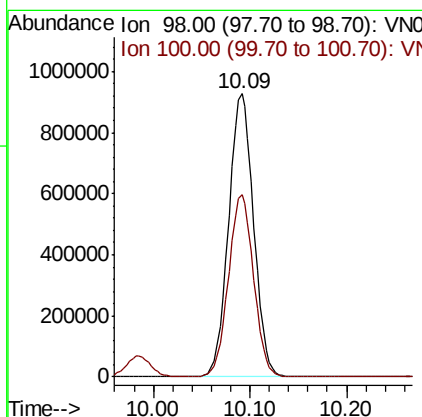
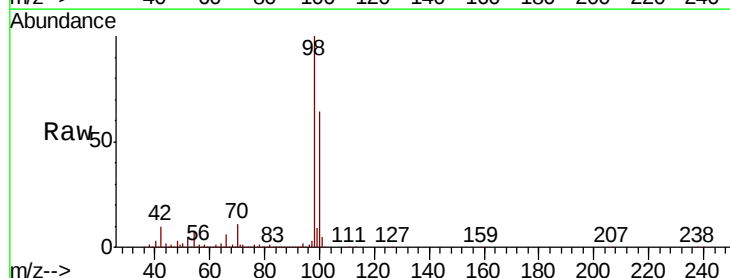
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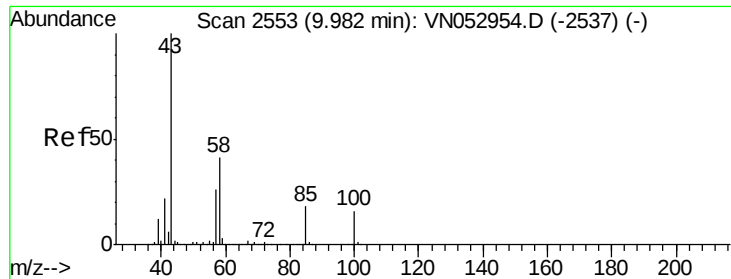
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#50
Toluene-d8
Concen: 402.811 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 110.519 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

Tot Ion: 43 Resp: 800073

Ion Ratio Lower Upper

43 100

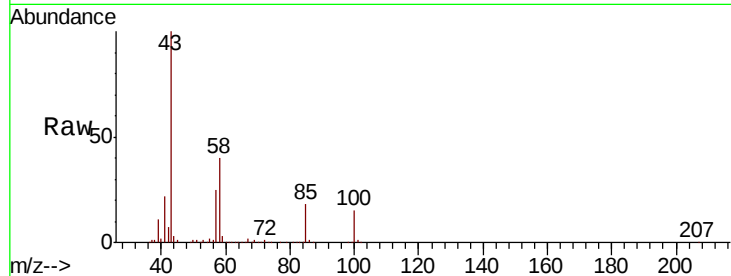
58 40.3 32.2 48.4

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

500000

400000

300000

200000

100000

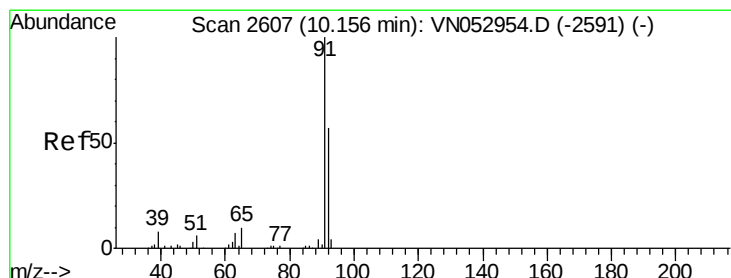
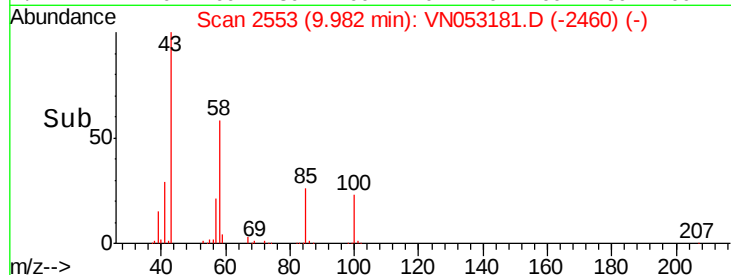
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 20.836 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053181.D

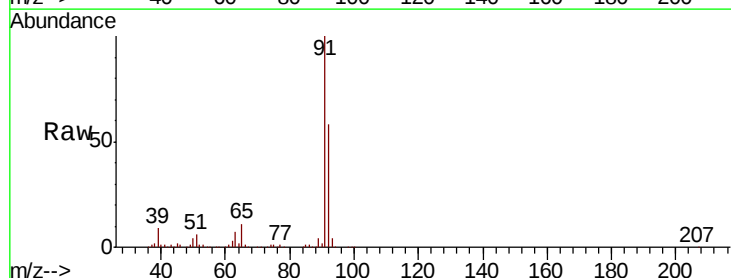
Acq: 24 Dec 2018 13:26

Tgt Ion: 92 Resp: 514399

Ion Ratio Lower Upper

92 100

91 174.8 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

300000

200000

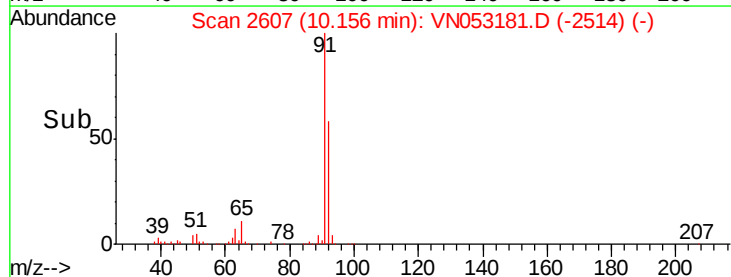
100000

0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.650 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

Tot Ion: 75 Resp: 265455

Ion Ratio Lower Upper

75 100

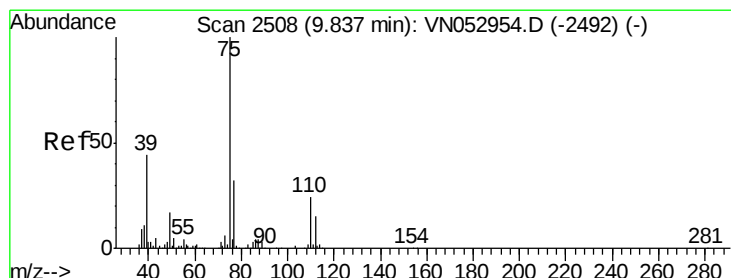
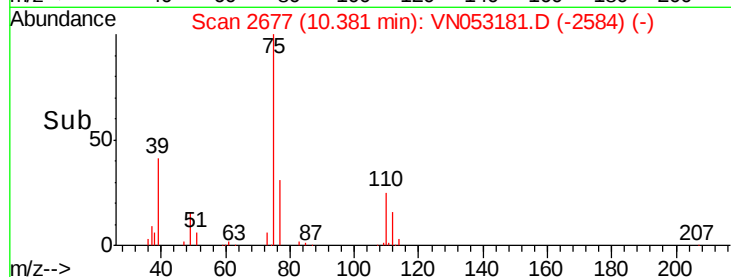
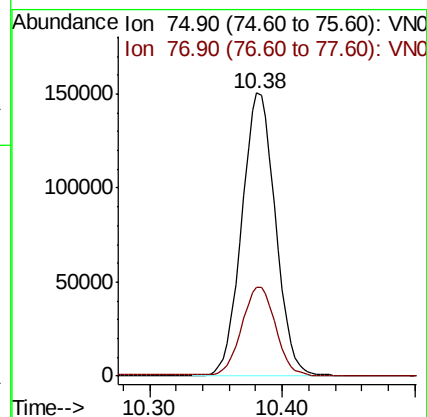
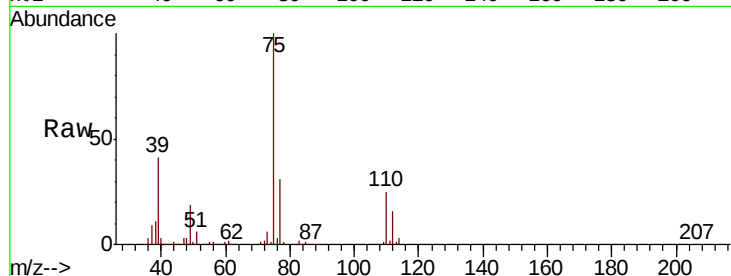
77 31.2 25.6 38.4

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#54

cis-1,3-Dichloropropene

Concen: 20.548 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

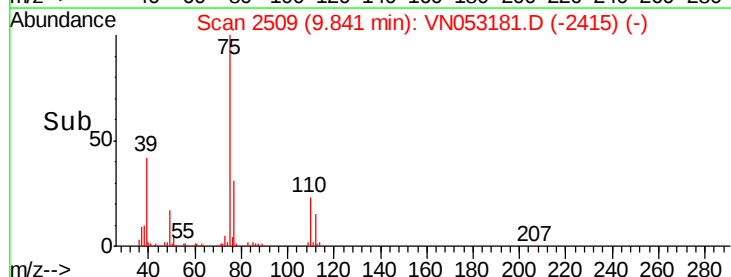
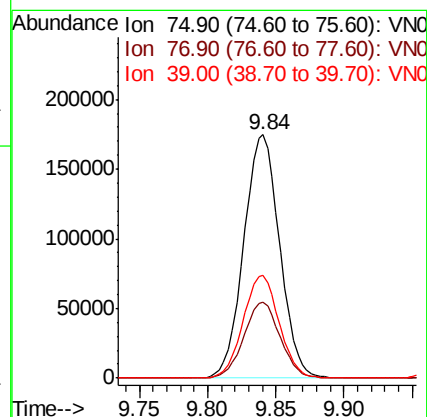
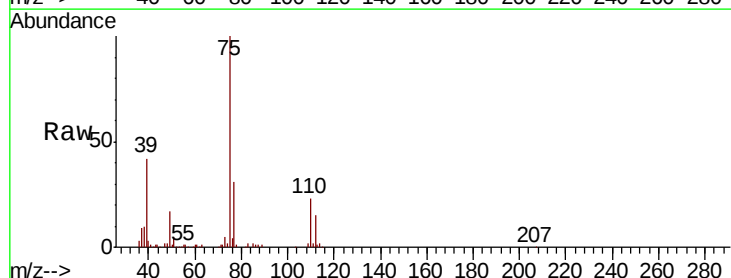
Tgt Ion: 75 Resp: 318615

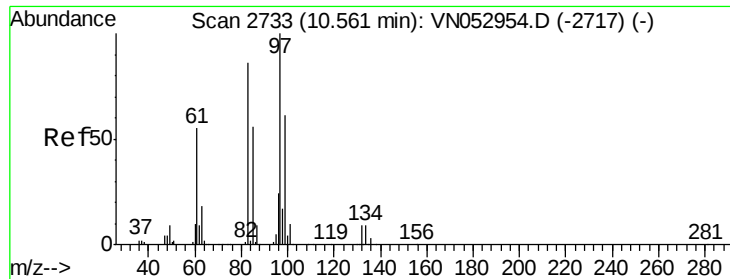
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8

39 41.9 34.8 52.2





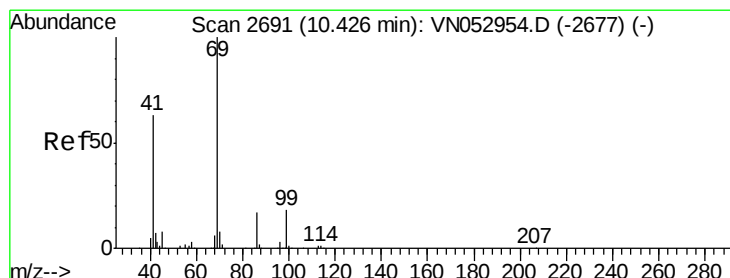
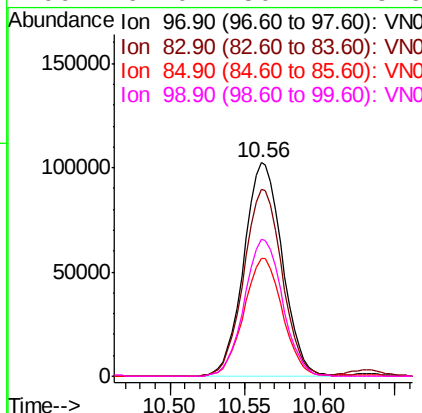
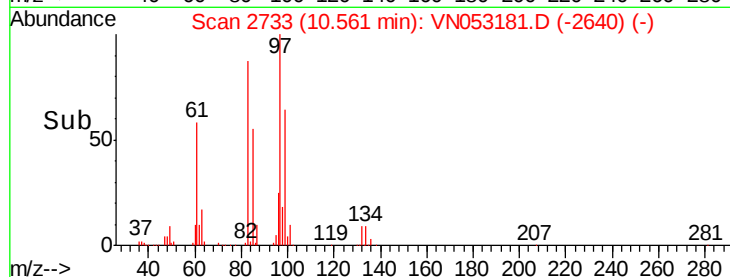
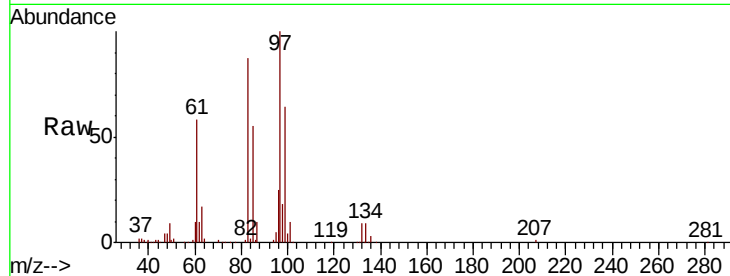
#55
 1,1,2-Trichloroethane
 Concen: 21.348 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		183863		
83	87.4	70.9	106.3		
85	55.4	45.4	68.2		
99	64.0	50.4	75.6		

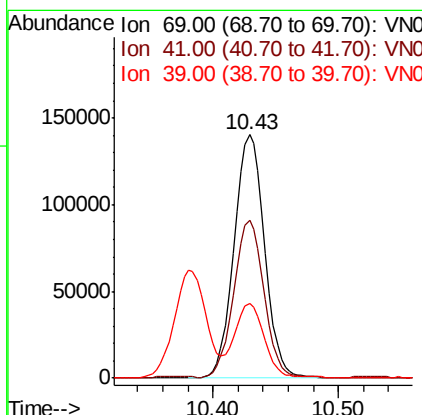
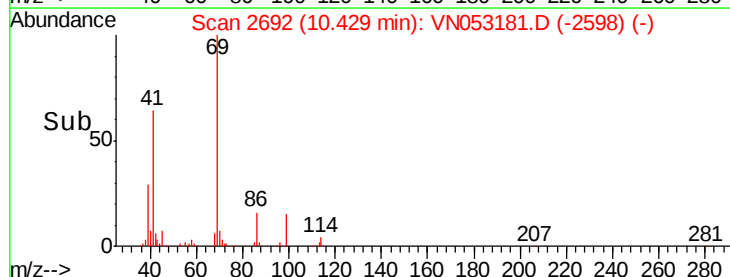
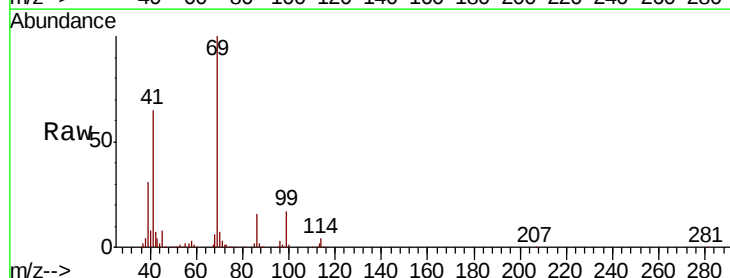
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#56
 Ethyl methacrylate
 Concen: 20.785 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		236944		
41	63.4	51.7	77.5		
39	30.1	24.6	37.0		





#57

1,3-Dichloropropane

Concen: 21.402 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

Tot Ion: 76 Resp: 316092

Ion Ratio Lower Upper

76 100

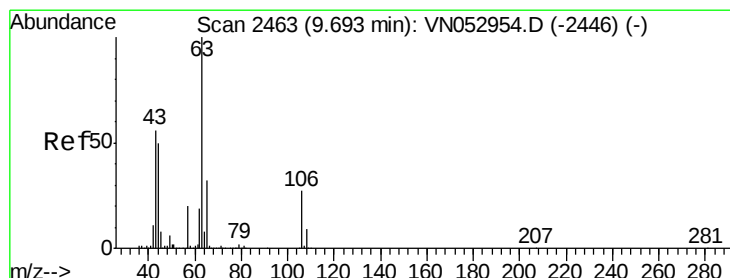
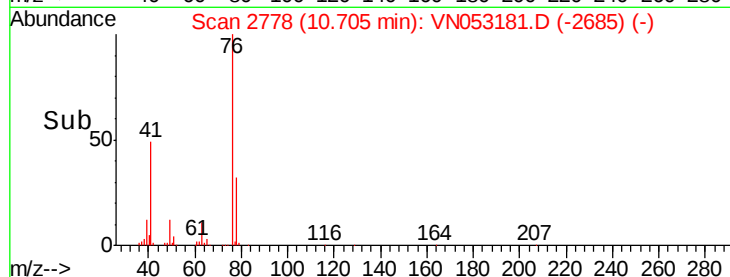
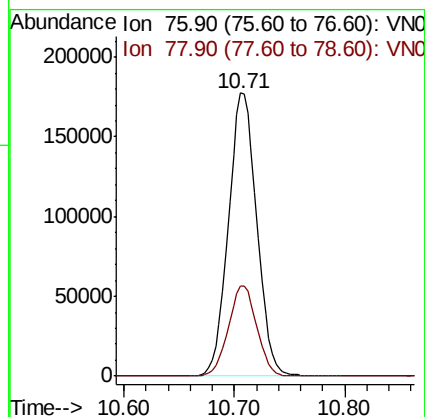
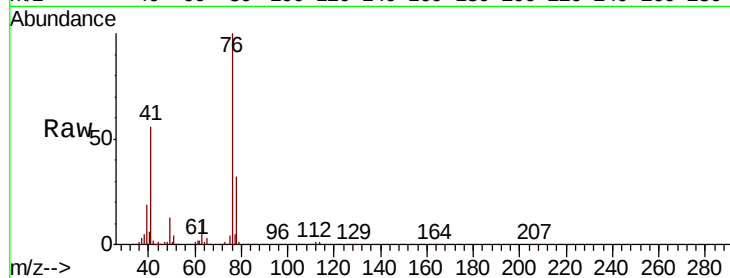
78 32.0 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 104.241 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053181.D

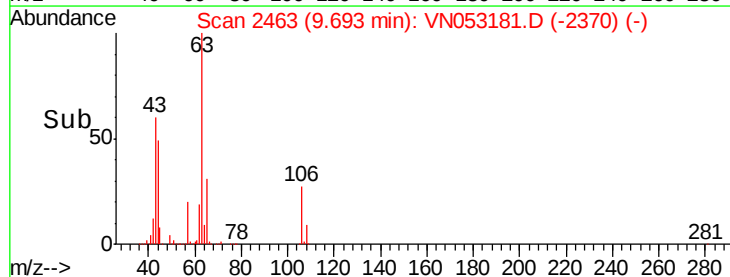
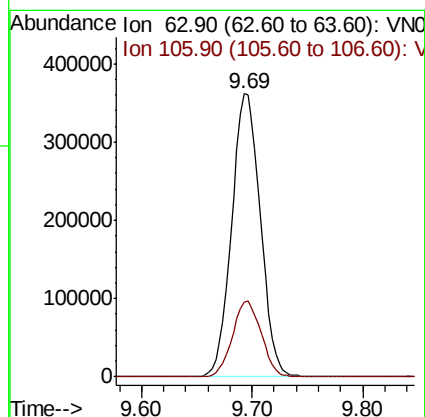
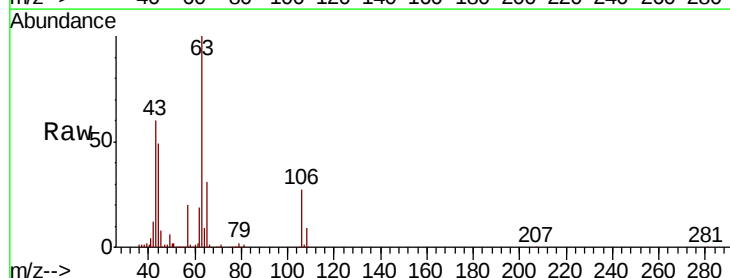
Acq: 24 Dec 2018 13:26

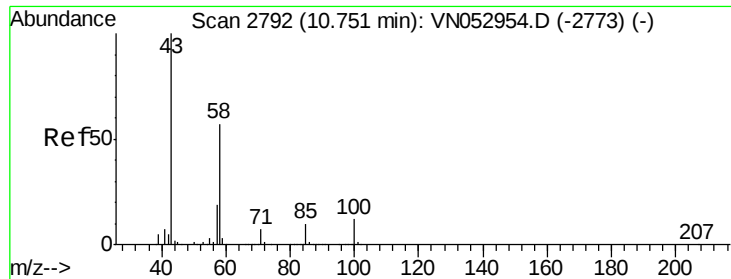
Tgt Ion: 63 Resp: 652391

Ion Ratio Lower Upper

63 100

106 26.9 21.0 31.6





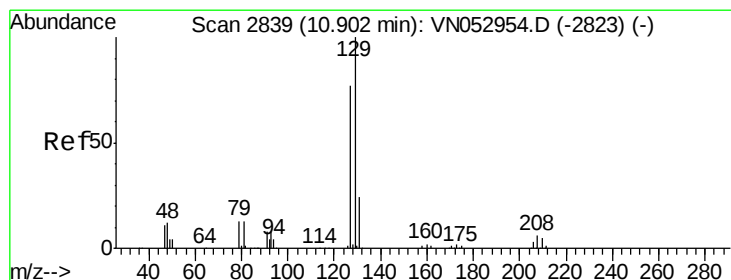
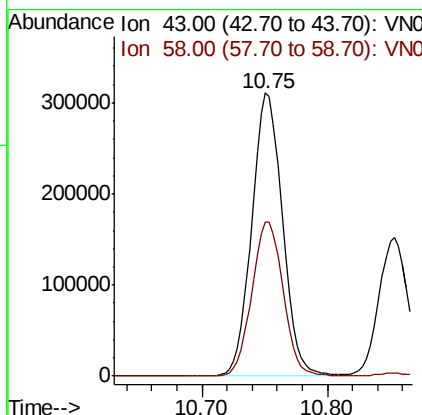
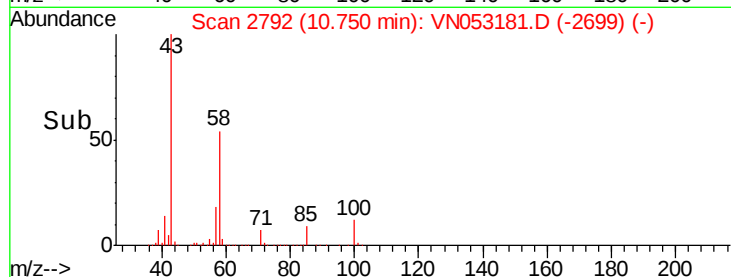
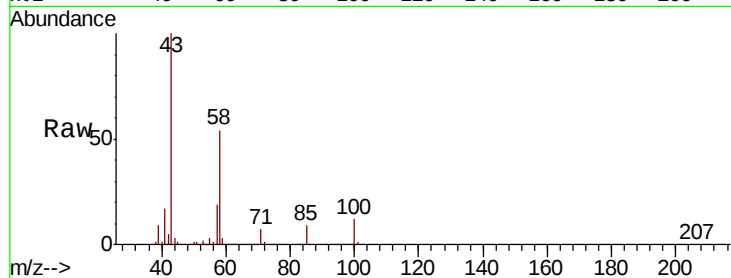
#59
2-Hexanone
Concen: 108.304 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion: 43 Resp: 530470
Ion Ratio Lower Upper
43 100
58 55.6 28.1 84.3

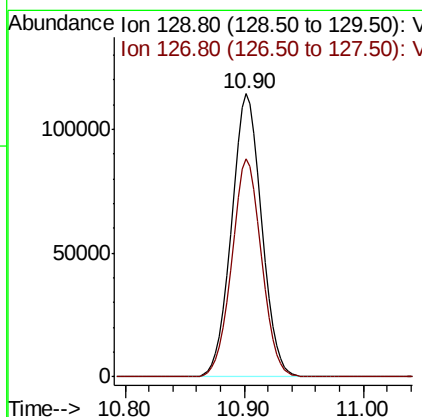
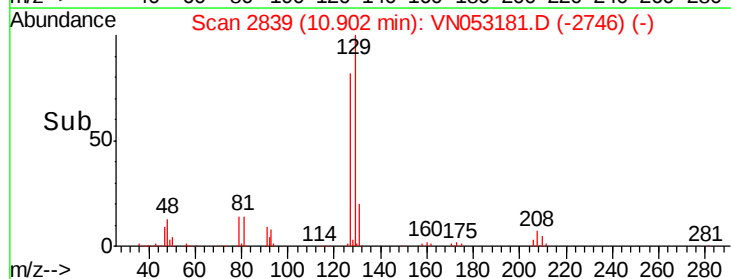
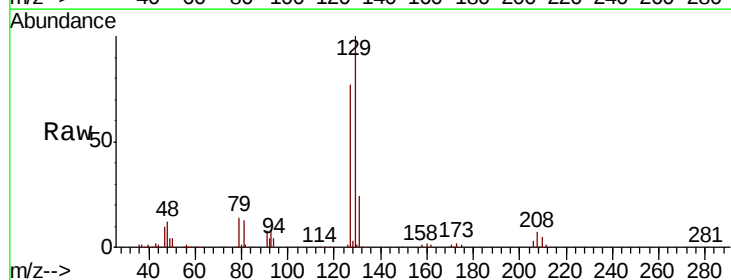
Manual Integrations
APPROVED

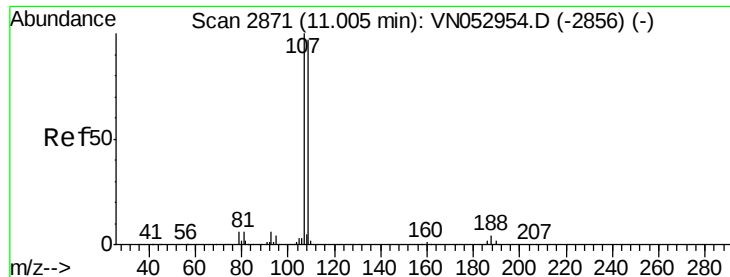
MMDadoda
12/26/2018 10:53:54 AM



#60
Dibromochloromethane
Concen: 20.351 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion: 129 Resp: 200637
Ion Ratio Lower Upper
129 100
127 76.2 38.6 116.0





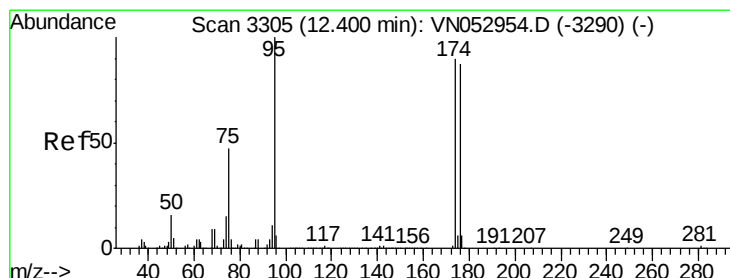
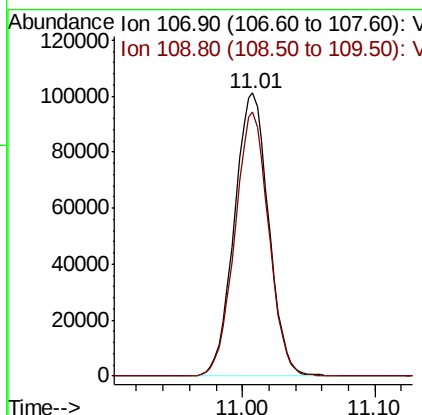
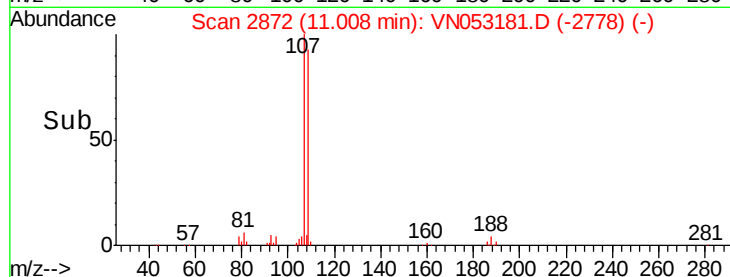
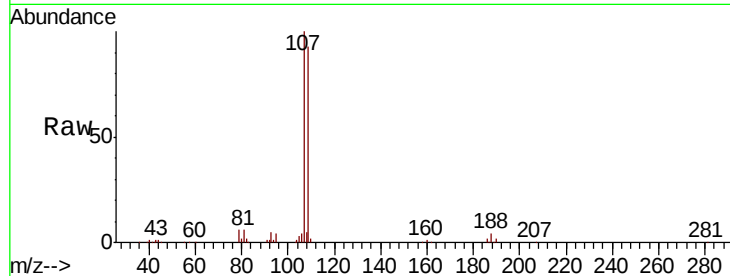
#61
 1,2-Dibromoethane
 Concen: 20.782 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

Tot Ion: 107 Resp: 181785
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.4 113.0

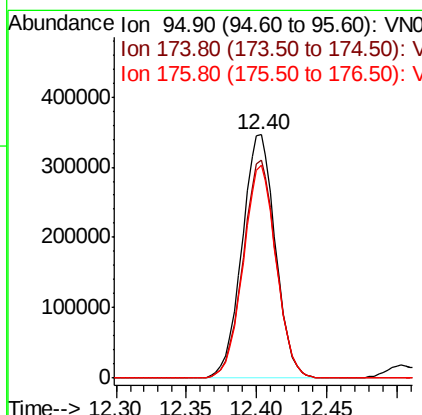
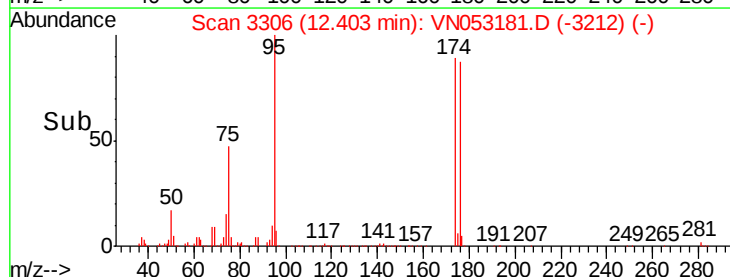
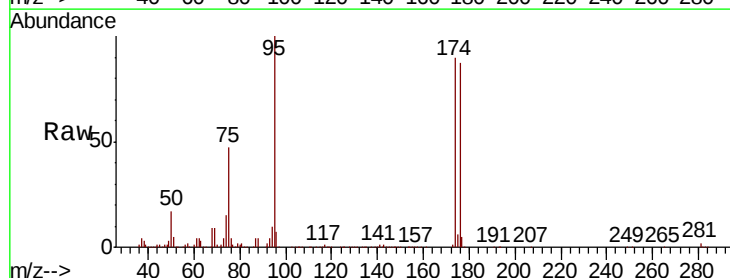
Manual Integrations
 APPROVED

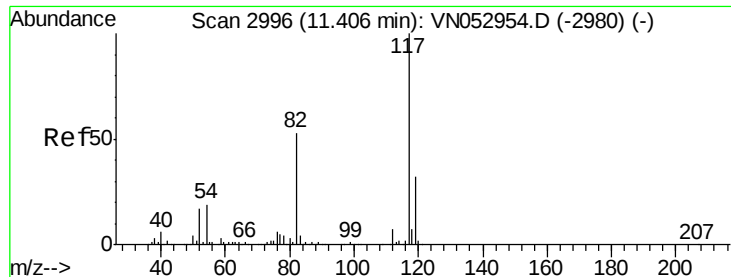
MMDadoda
 12/26/2018 10:53:54 AM



#62
 4-Bromofluorobenzene
 Concen: 20.782 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion: 95 Resp: 574010
 Ion Ratio Lower Upper
 95 100
 174 88.7 0.0 178.8
 176 86.2 0.0 173.8





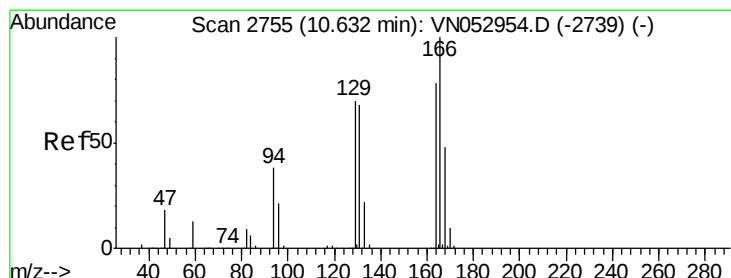
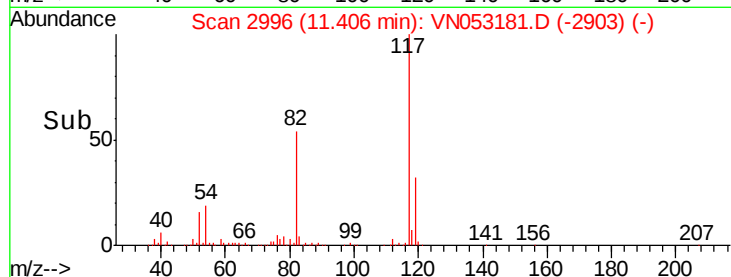
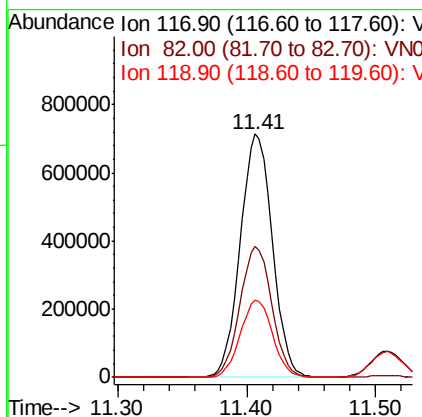
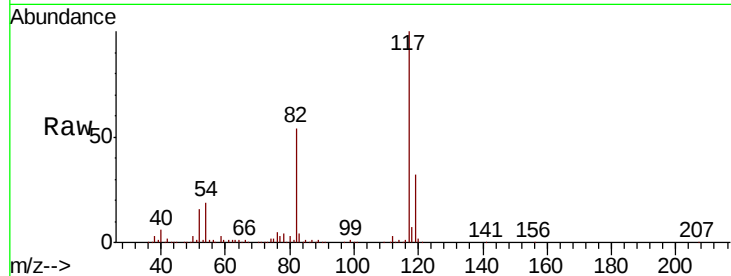
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.8	64.2
119	31.9	25.5	38.3

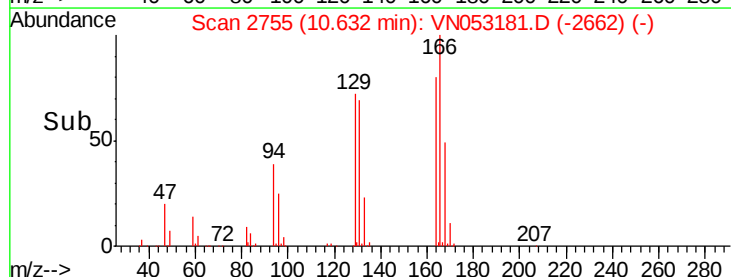
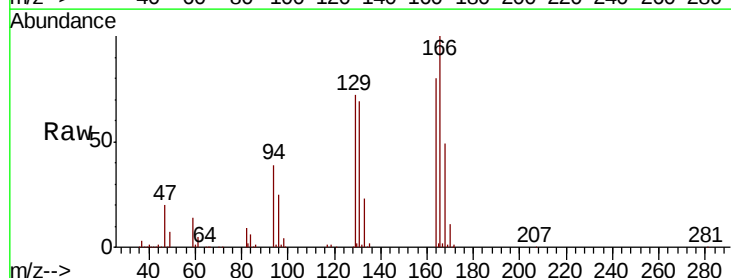
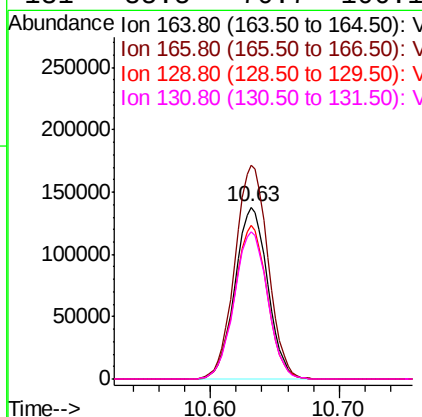
Manual Integrations
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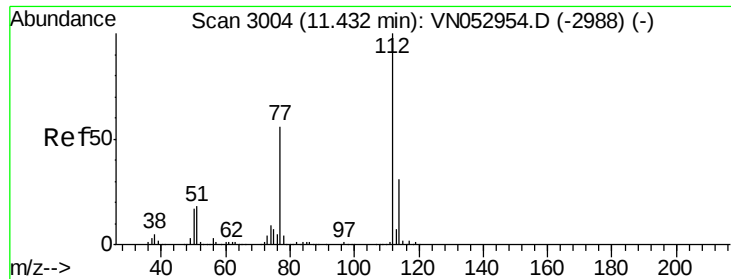
MMDadoda
12/26/2018 10:53:54 AM



#64
Tetrachloroethene
Concen: 18.088 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	102.9	154.3
129	89.1	73.7	110.5
131	85.5	70.7	106.1





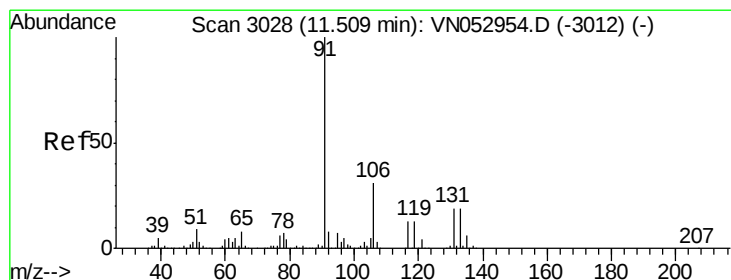
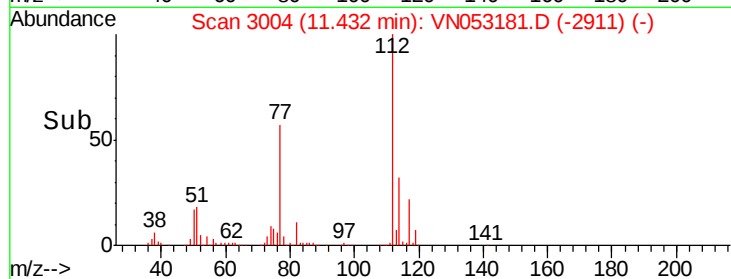
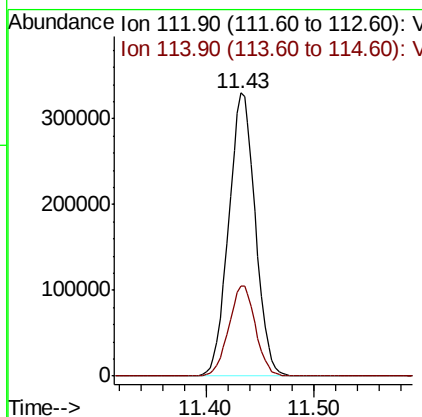
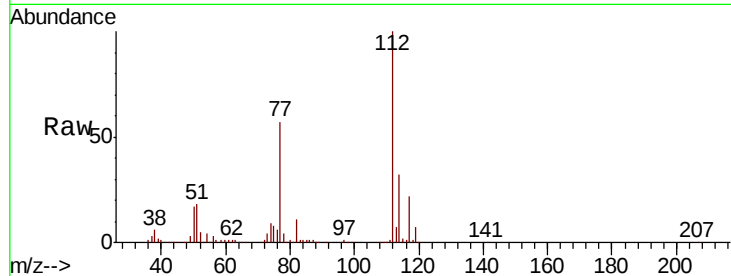
#65
Chlorobenzene
Concen: 20.668 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion:112 Resp: 567485
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

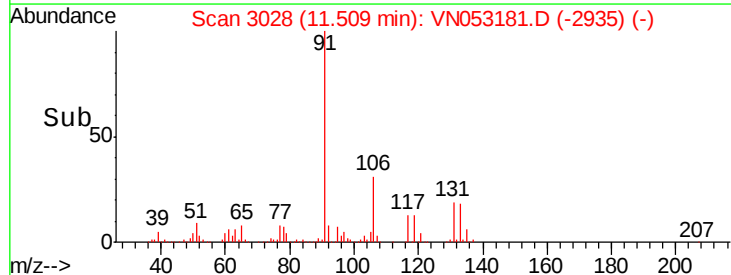
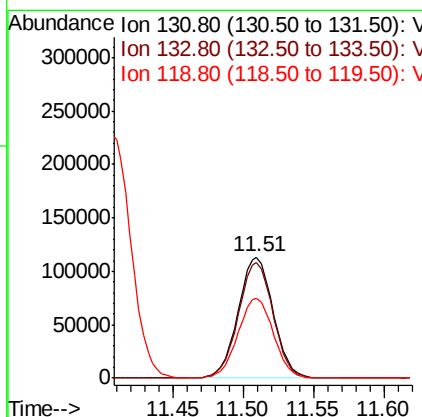
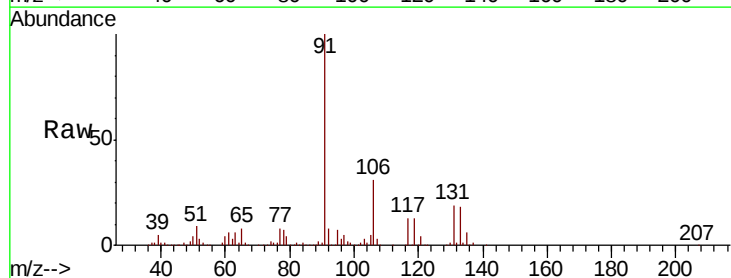
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.592 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion:131 Resp: 196614
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 67.1 33.3 99.8





#67

Ethyl Benzene

Concen: 20.531 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

Tot Ion: 91 Resp: 969472

Ion Ratio Lower Upper

91 100

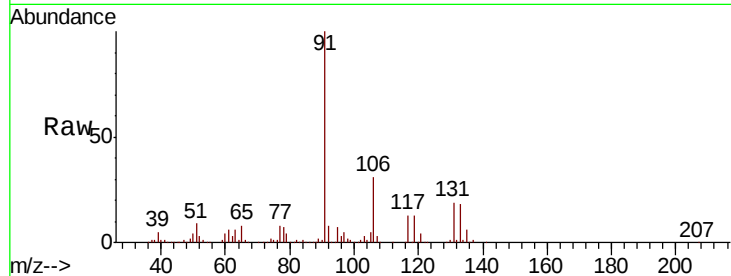
106 31.4 24.9 37.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN053181.D (-2935) (-)

Ion 106.00 (105.70 to 106.70): VN053181.D (-2935) (-)

800000

600000

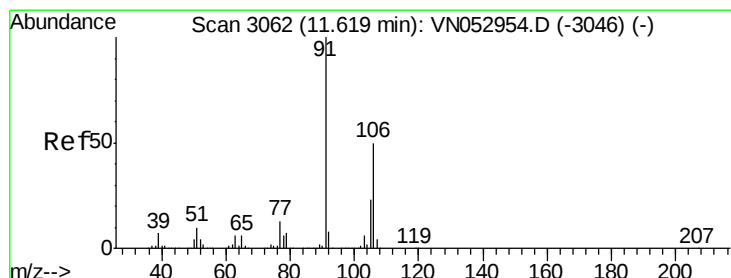
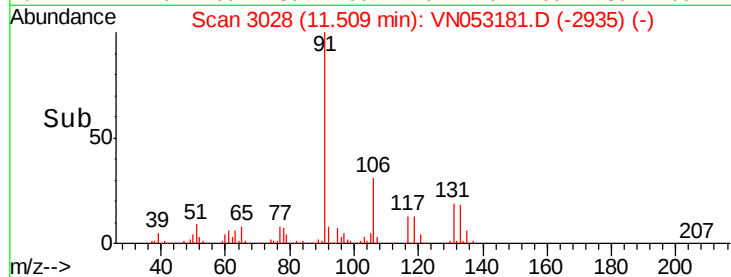
400000

200000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 41.178 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053181.D

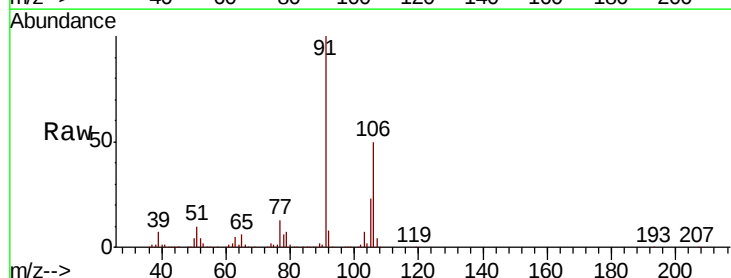
Acq: 24 Dec 2018 13:26

Tgt Ion: 106 Resp: 739182

Ion Ratio Lower Upper

106 100

91 200.0 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): VN053181.D (-2969) (-)

Ion 91.00 (90.70 to 91.70): VN053181.D (-2969) (-)

800000

600000

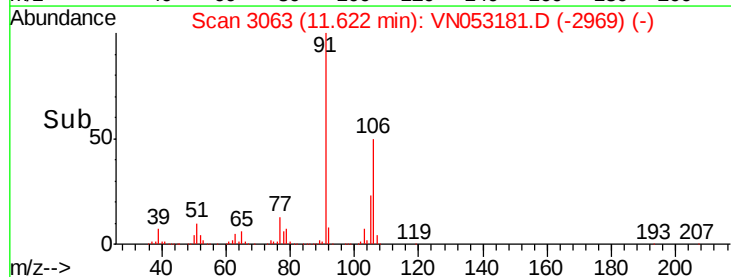
400000

200000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->





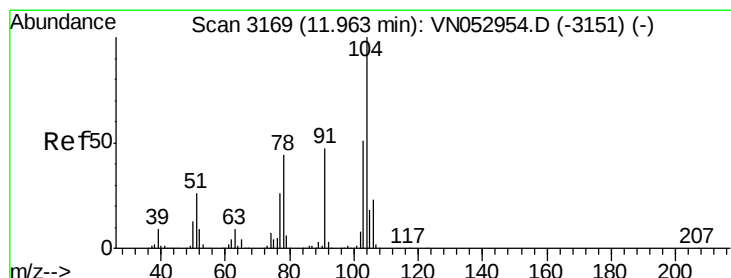
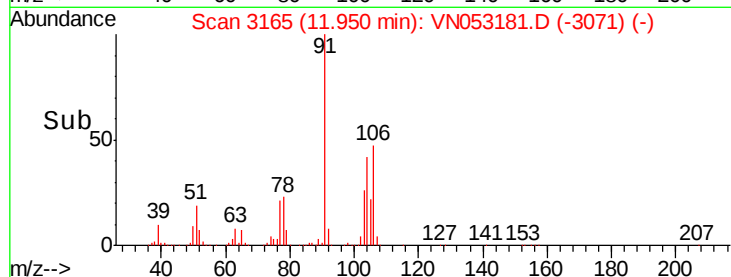
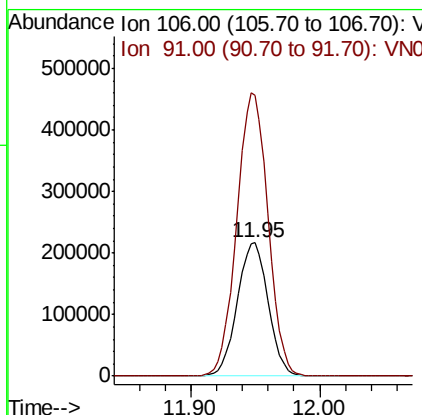
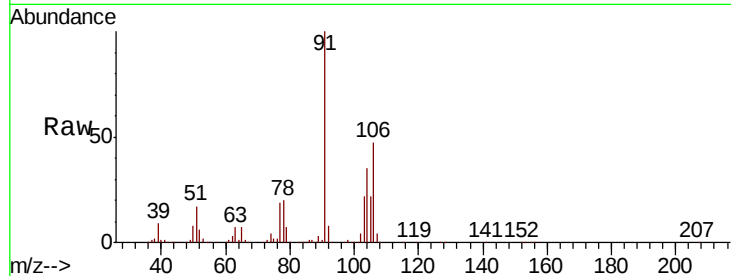
#69
o-Xylene
Concen: 20.934 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleID :
VN1224WBS01

Tot Ion:106 Resp: 360603
Ion Ratio Lower Upper
106 100
91 214.1 106.6 319.8

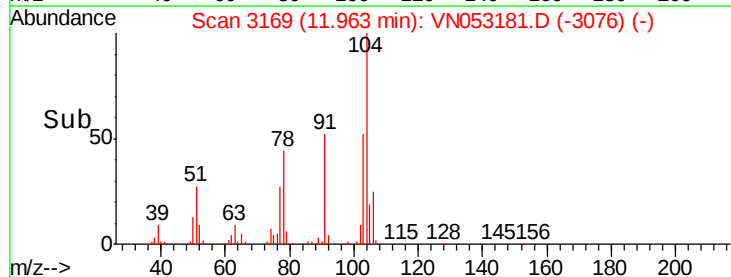
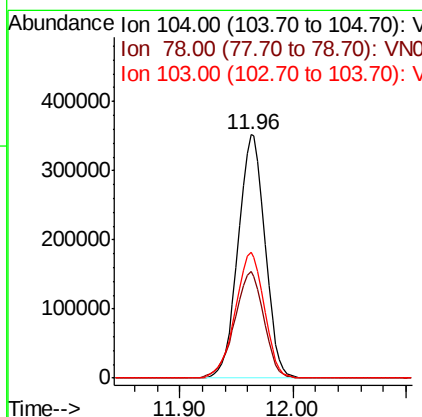
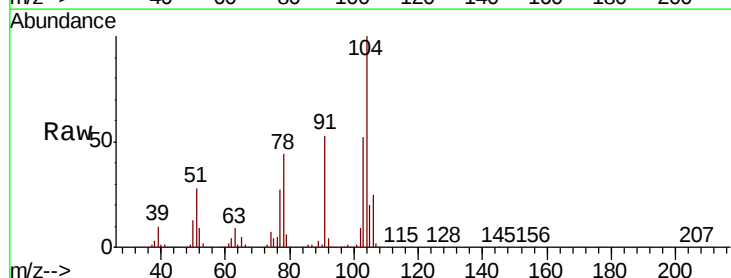
Manual Integrations
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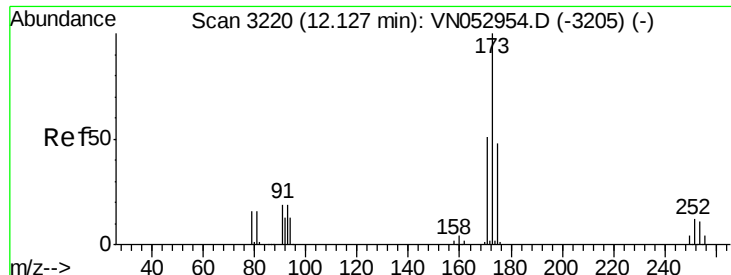
MMDadoda
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#70
Styrene
Concen: 20.787 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion:104 Resp: 583868
Ion Ratio Lower Upper
104 100
78 47.7 38.9 58.3
103 55.8 44.3 66.5





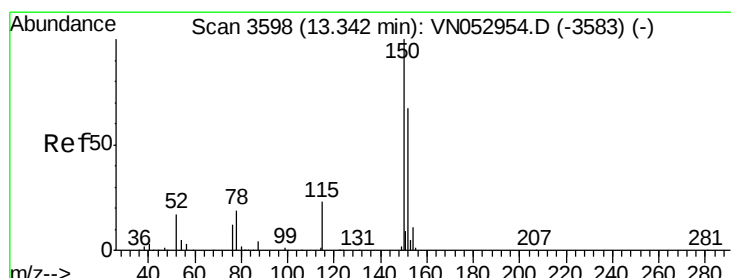
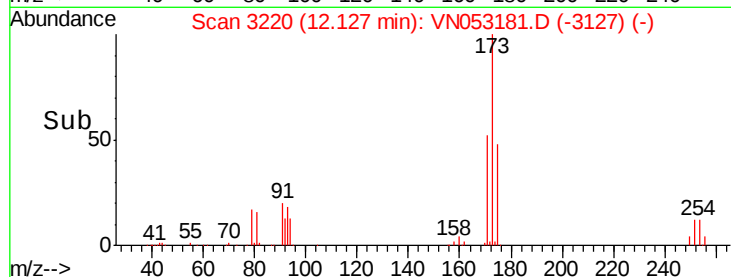
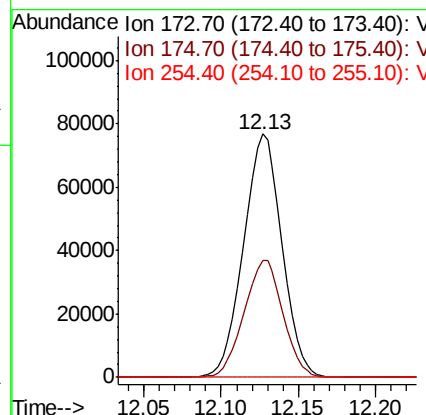
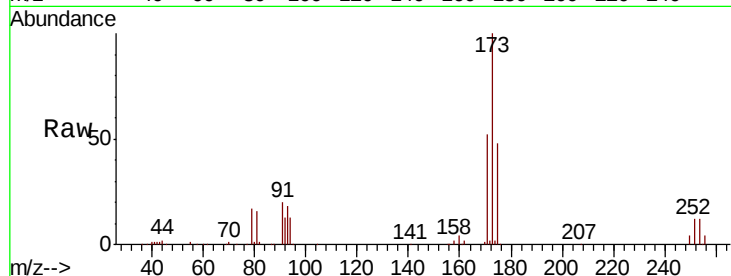
#71
Bromoform
Concen: 19.241 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.9
254	0.1	0.1	0.1

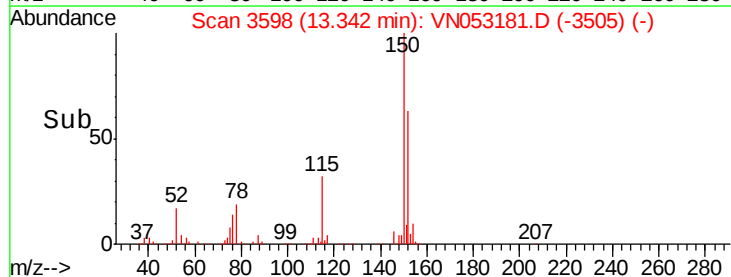
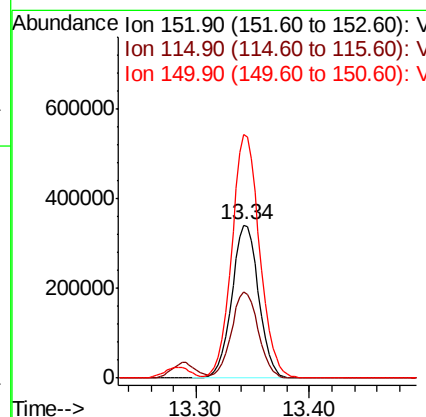
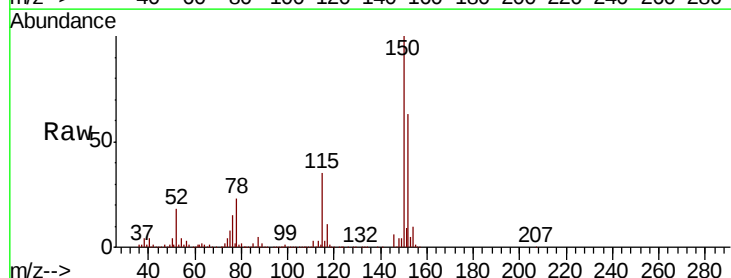
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.3	85.0
150	164.5	0.0	347.8





#73

Isopropylbenzene

Concen: 21.527 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

Tot Ion: 105 Resp: 948348

Ion Ratio Lower Upper

105 100

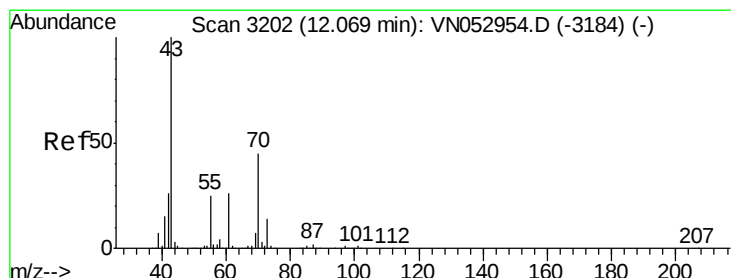
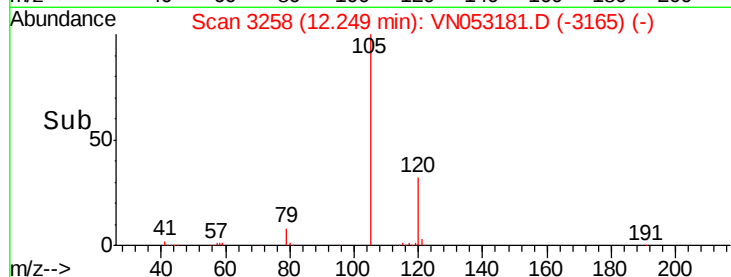
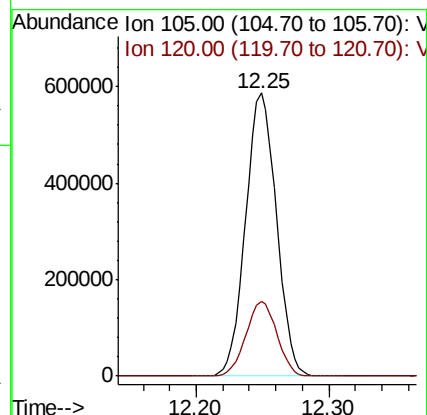
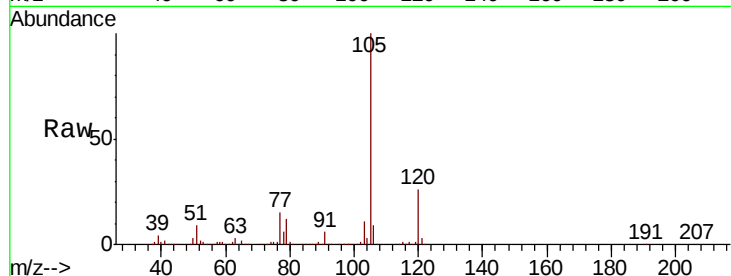
120 26.5 13.3 39.9

Manual Integrations

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12/26/2018 10:53:54 AM



#74

N-ethyl acetate

Concen: 21.045 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Tgt Ion: 43 Resp: 257397

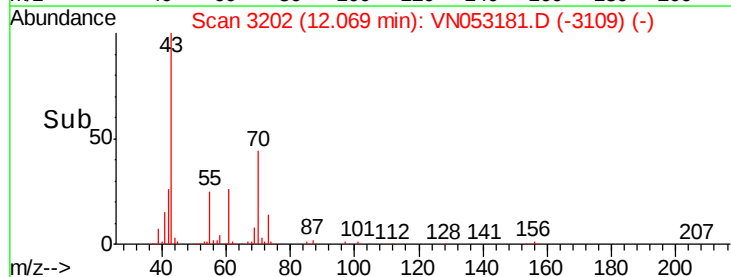
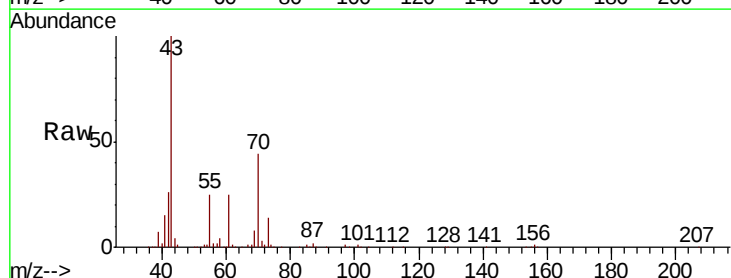
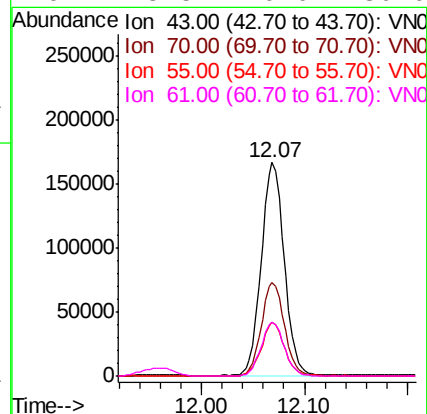
Ion Ratio Lower Upper

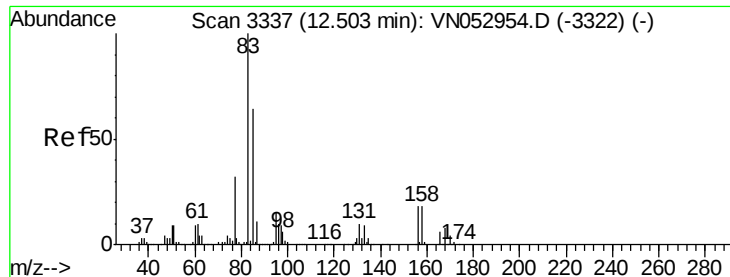
43 100

70 44.2 34.2 51.4

55 25.2 20.3 30.5

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.373 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

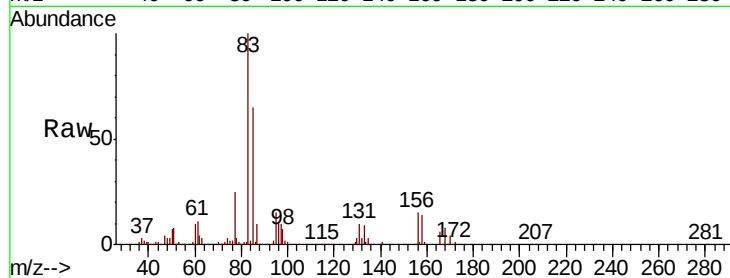
ClientSampleId :

VN1224WBS01

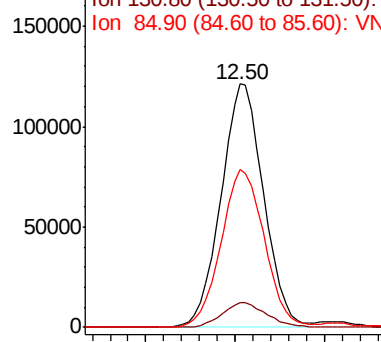
Tot Ion:	83	Resp:	202006
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	66.0	32.4	97.0

Manual Integrations
APPROVED

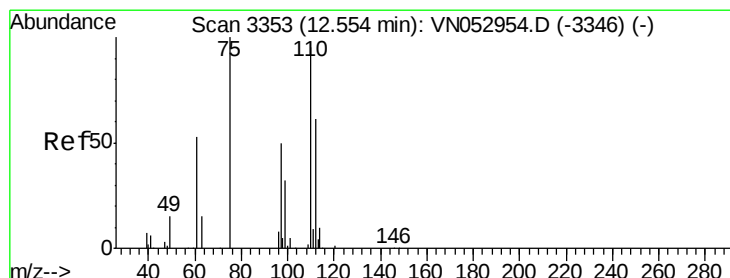
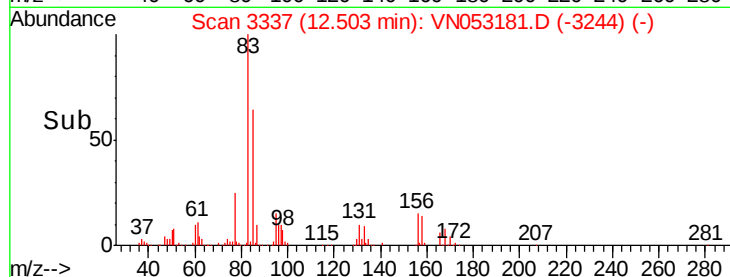
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN053181.D (-3322) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 18.785 ug/l m

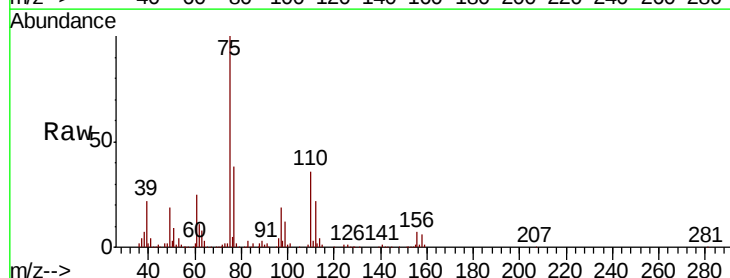
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

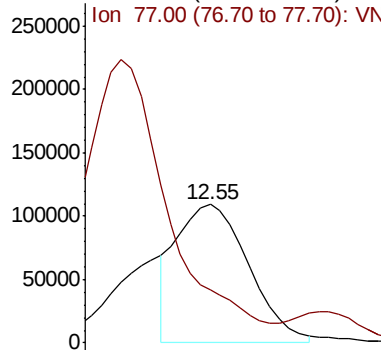
Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

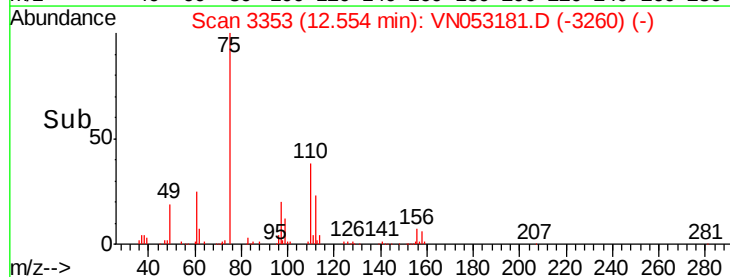
Tgt Ion:	75	Resp:	178051
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

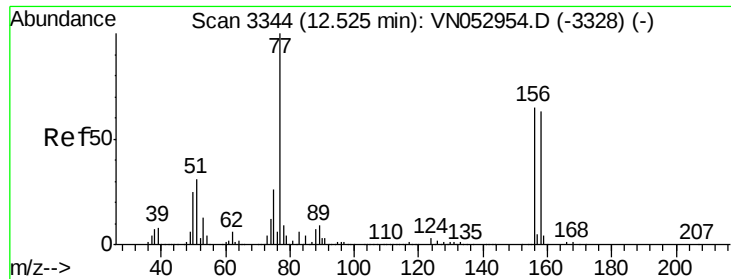


Abundance Ion 74.90 (74.60 to 75.60): VN053181.D (-3346) (-)



Time-->





#77

Bromobenzene

Concen: 21.704 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

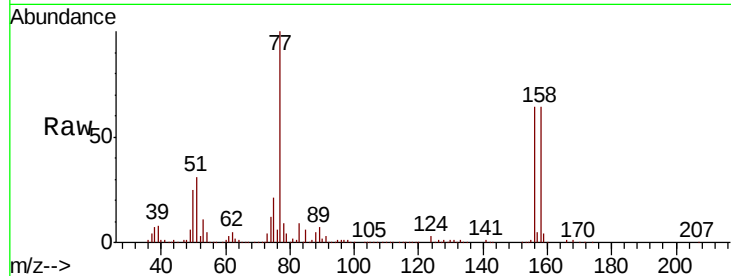
ClientSampleId :

VN1224WBS01

Tot Ion:	156	Resp:	248542
Ion Ratio	Lower	Upper	
156	100		
77	174.3	91.3	273.8
158	95.8	49.0	147.2

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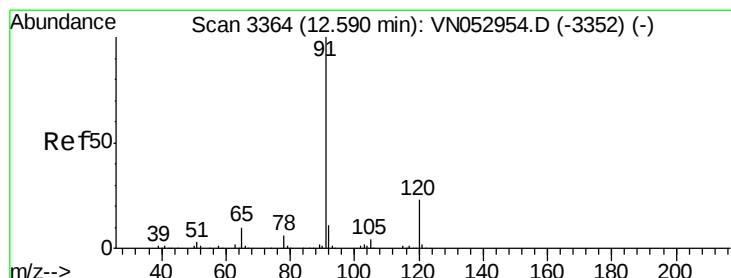
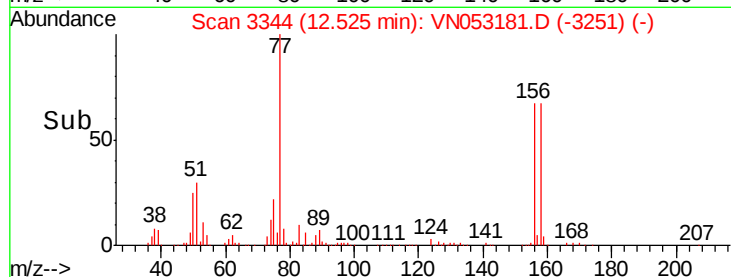
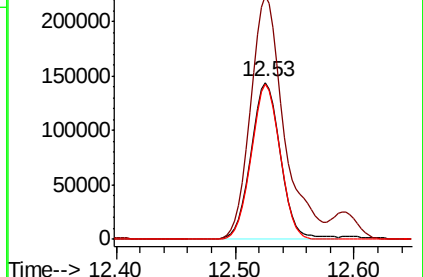
MMDadoda
12/26/2018 10:53:54 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.940 ug/l

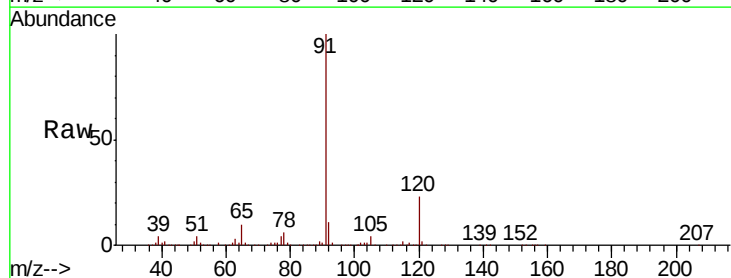
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053181.D

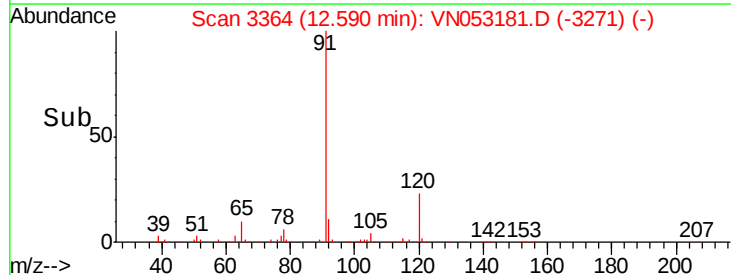
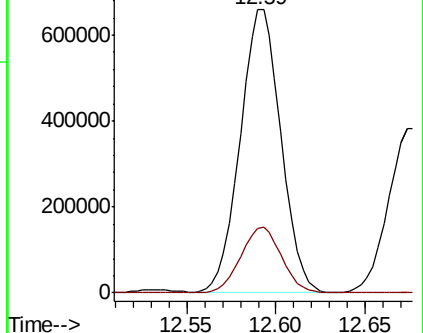
Acq: 24 Dec 2018 13:26

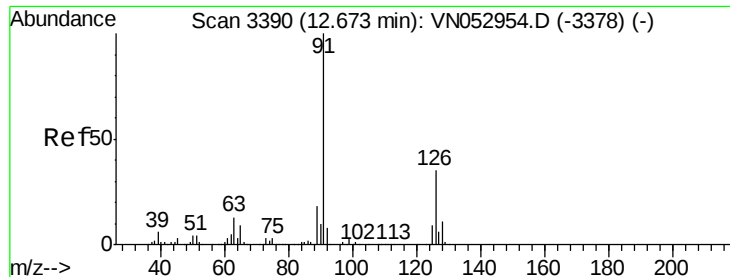
Tgt Ion:	91	Resp:	1050654
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.458 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

Tot Ion: 91 Resp: 636232

Ion Ratio Lower Upper

91 100

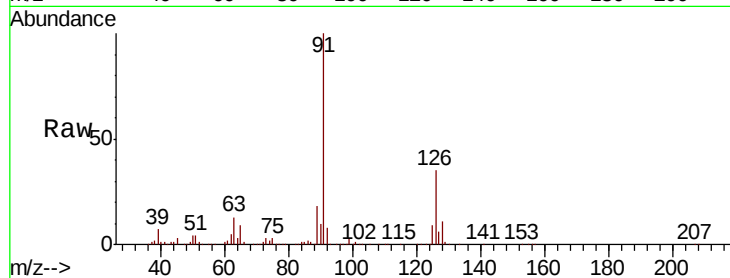
126 34.9 17.4 52.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)

500000

400000

300000

200000

100000

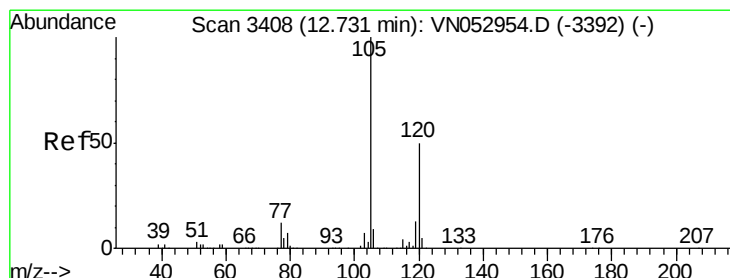
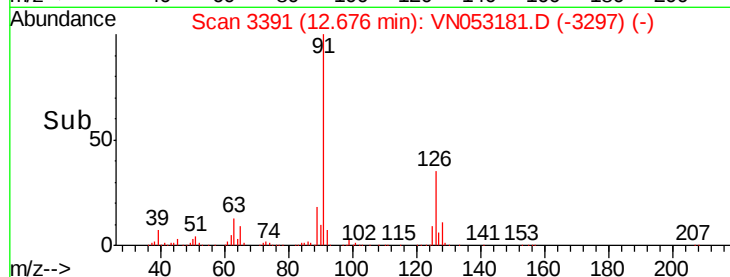
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.957 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053181.D

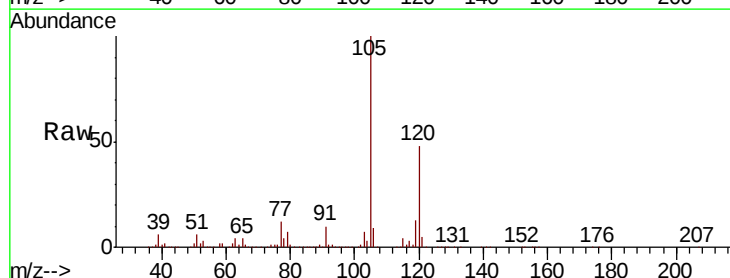
Acq: 24 Dec 2018 13:26

Tgt Ion: 105 Resp: 752519

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)

500000

400000

300000

200000

100000

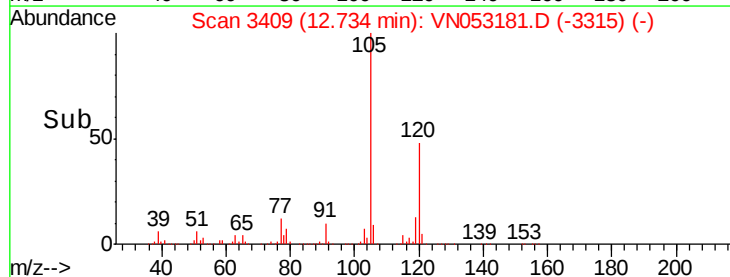
0

12.73

12.70

12.80

Time-->





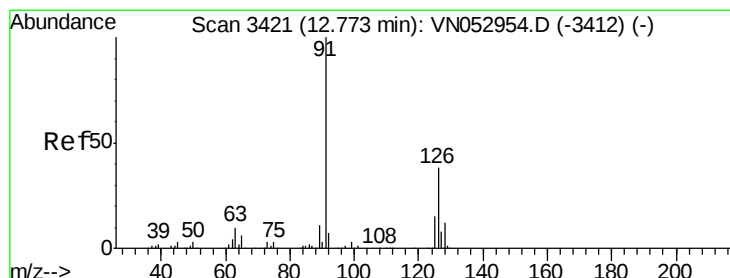
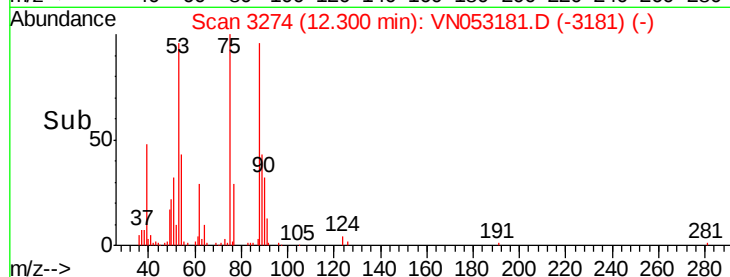
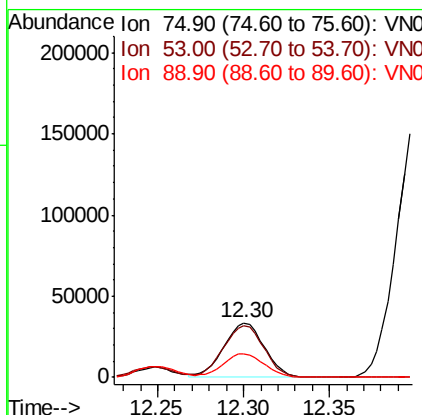
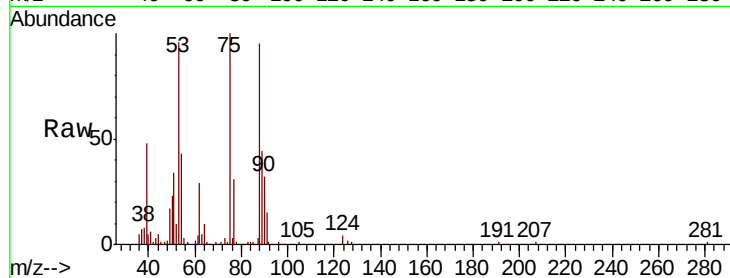
#81
trans-1,4-Dichloro-2-butene
Concen: 18.913 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.1	74.7	112.1
89	44.1	36.1	54.1

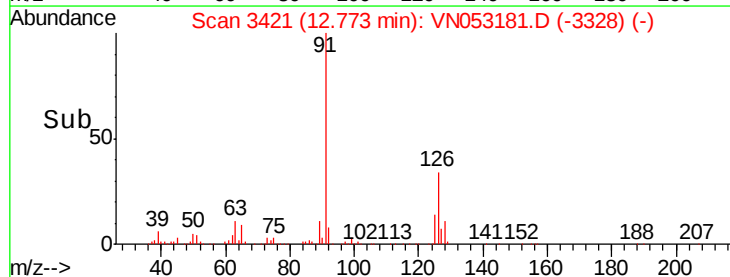
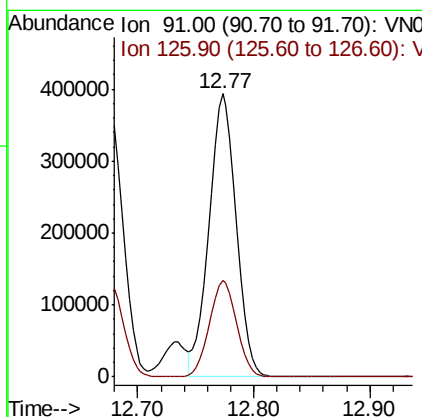
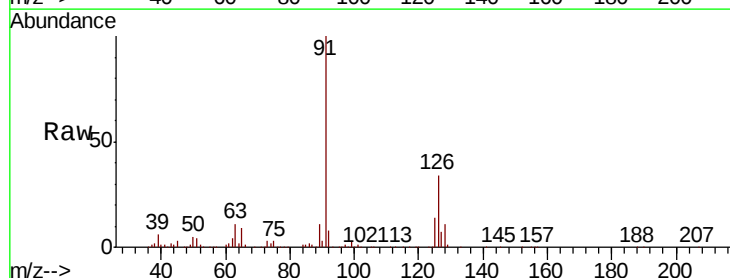
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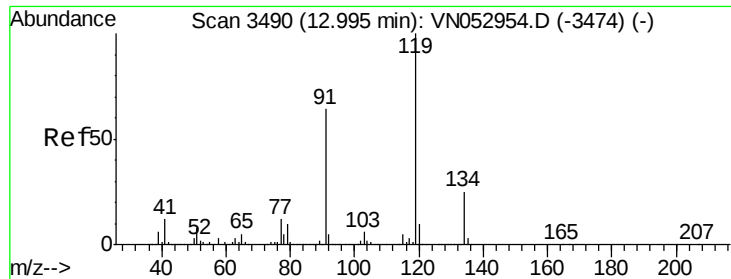
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.173 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.3	51.7





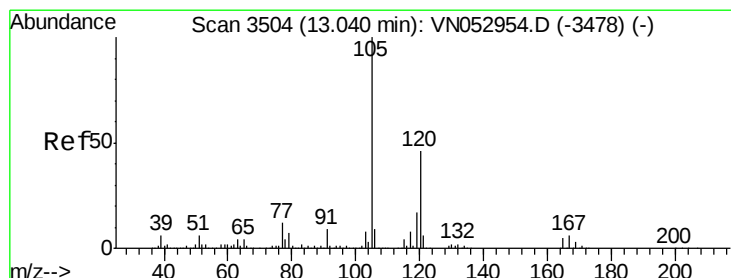
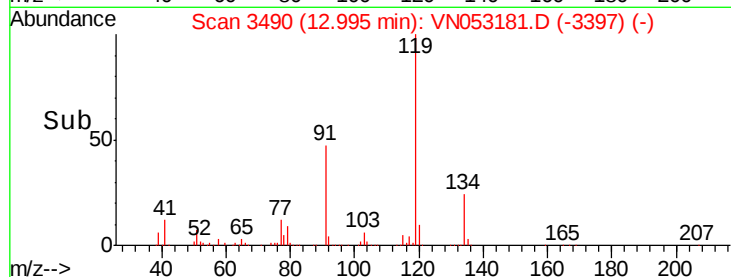
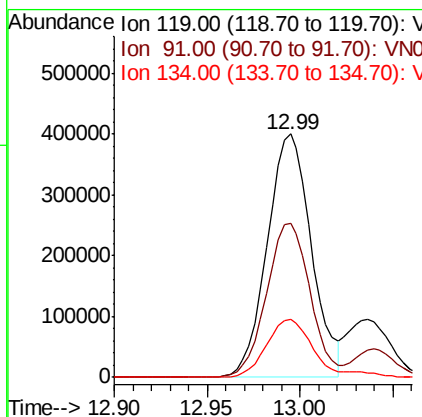
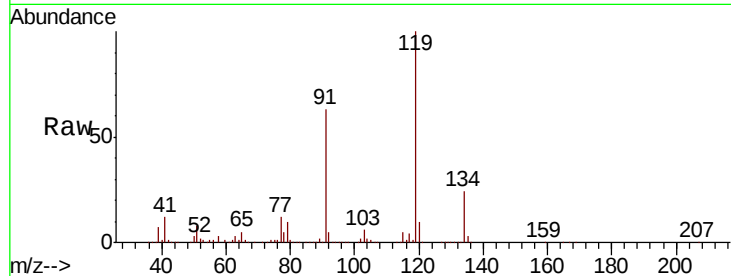
#83
tert-Butylbenzene
Concen: 20.897 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	663642		
91	62.7		31.9	95.5
134	25.8		12.8	38.4

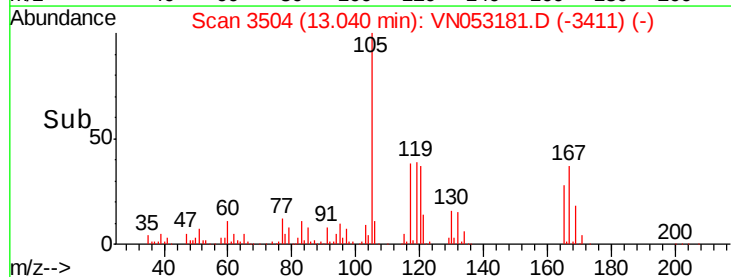
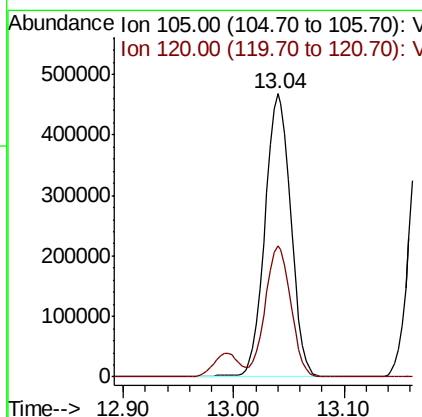
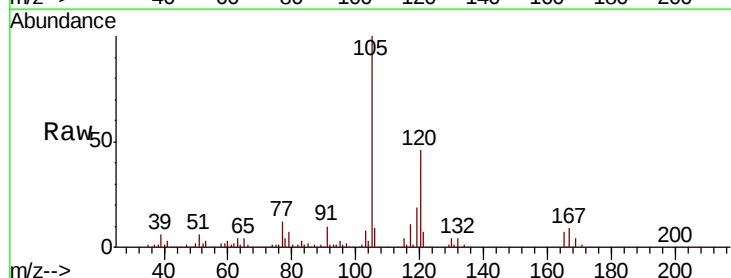
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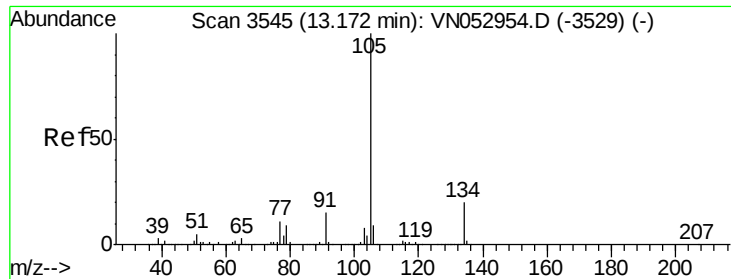
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#84
1,2,4-Trimethylbenzene
Concen: 21.080 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	760920		
120	45.8		22.9	68.8





#85

sec-Butylbenzene

Concen: 19.791 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBS01

Tot Ion:105 Resp: 850120

Ion Ratio Lower Upper

105 100

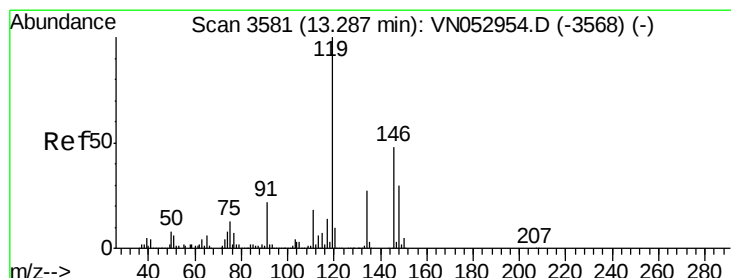
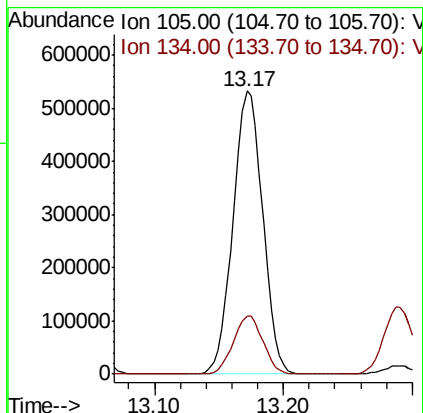
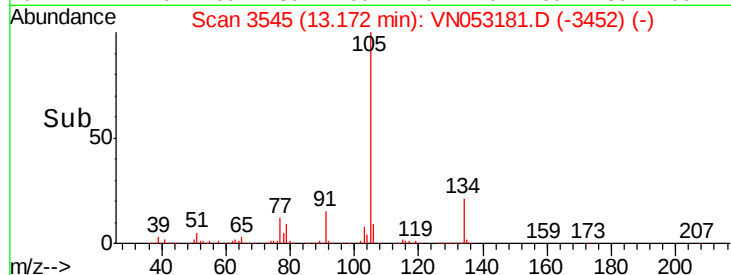
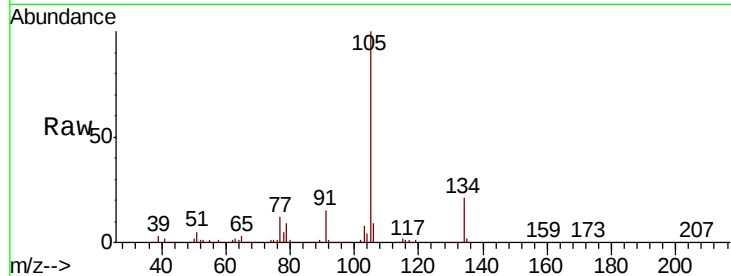
134 20.6 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 19.824 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

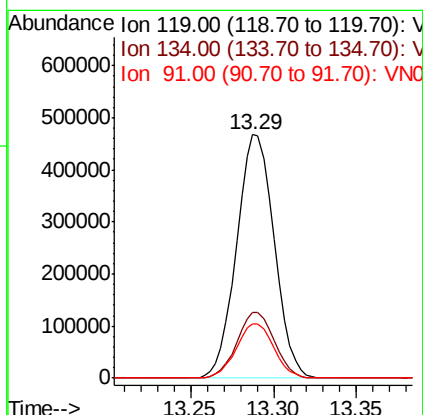
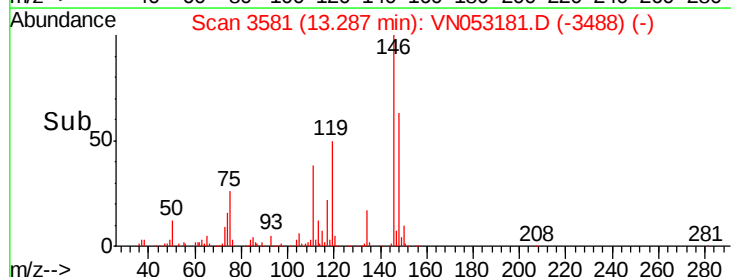
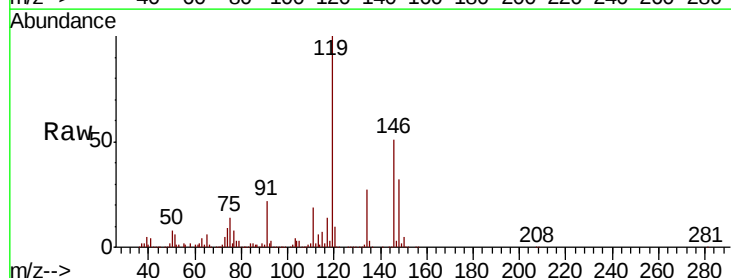
Tgt Ion:119 Resp: 735804

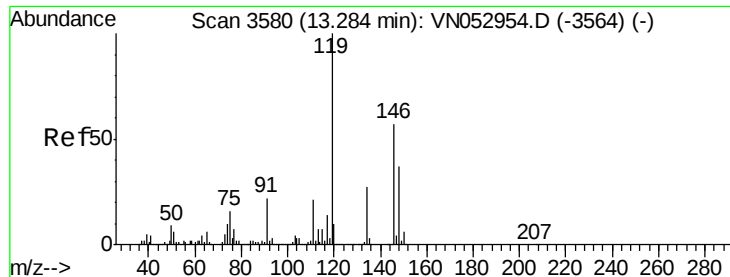
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.3 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.422 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

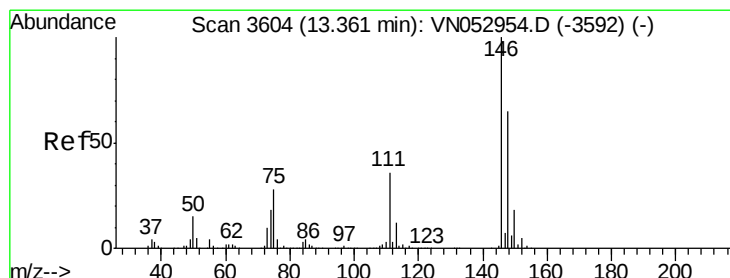
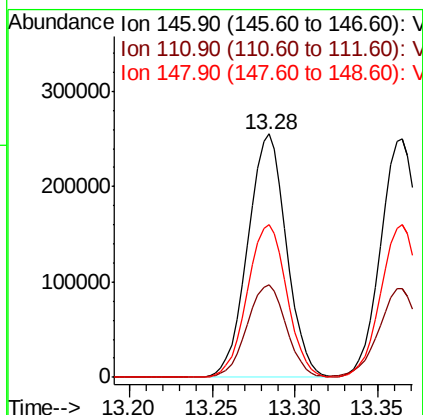
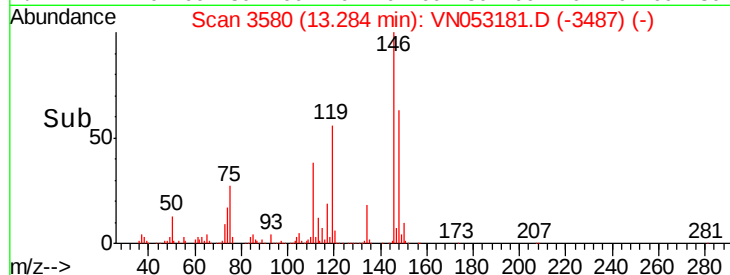
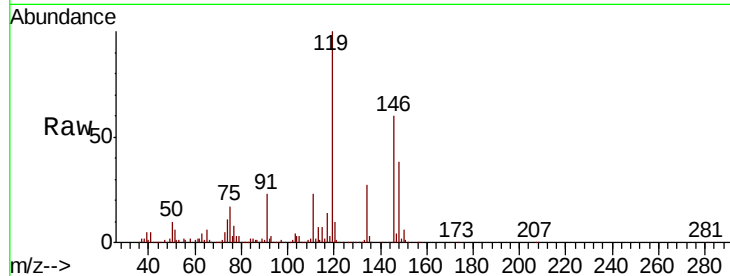
ClientSampleId :

VN1224WBS01

Tot Ion:	146	Resp:	413907
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.1	57.1
148	64.4	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 19.992 ug/l

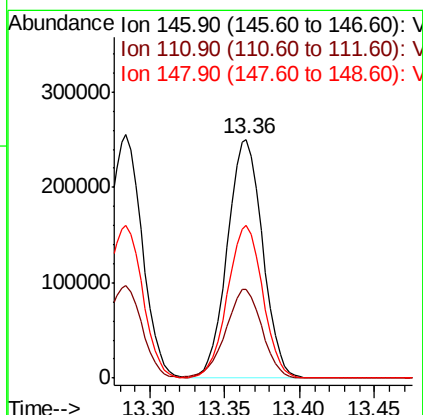
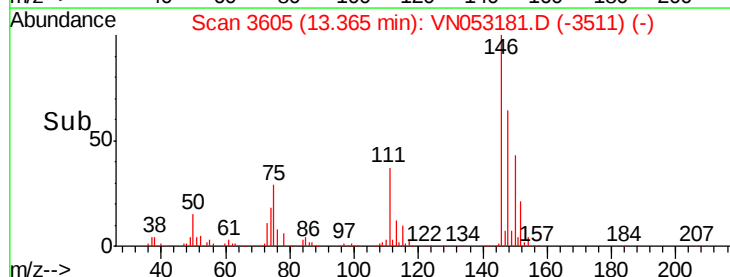
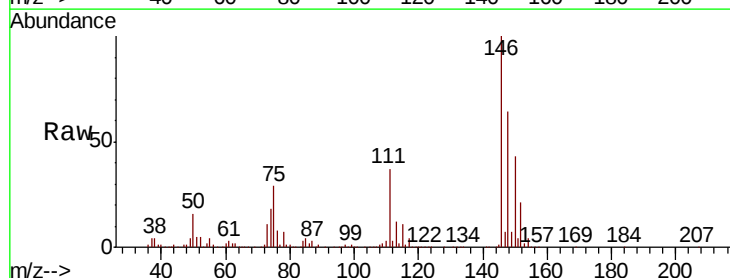
RT: 13.36 min Scan# 3605

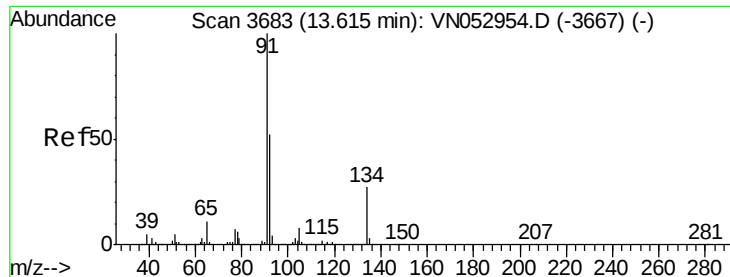
Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Tgt Ion:	146	Resp:	410325
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.6	55.8
148	64.2	32.1	96.5





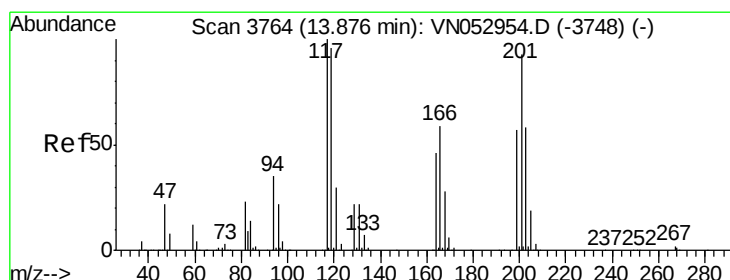
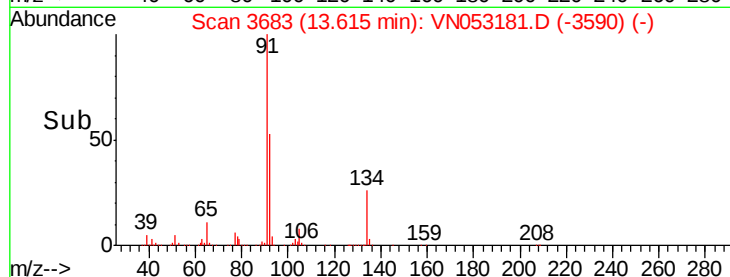
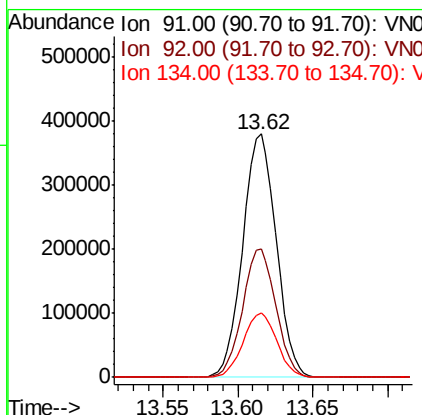
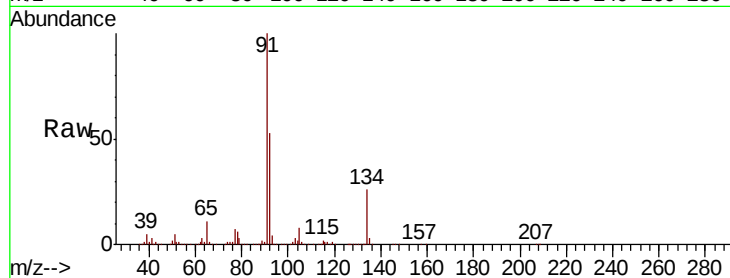
#89
n-Butylbenzene
Concen: 18.503 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	26.8	13.3	39.8

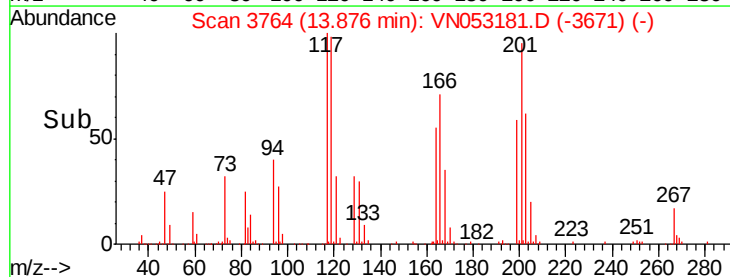
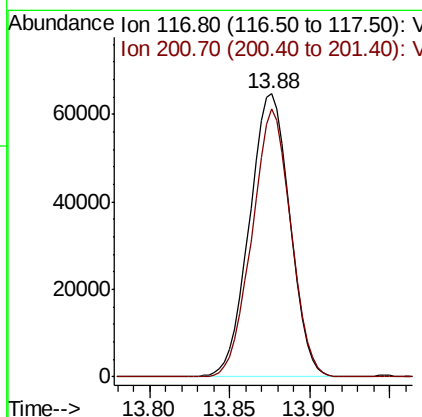
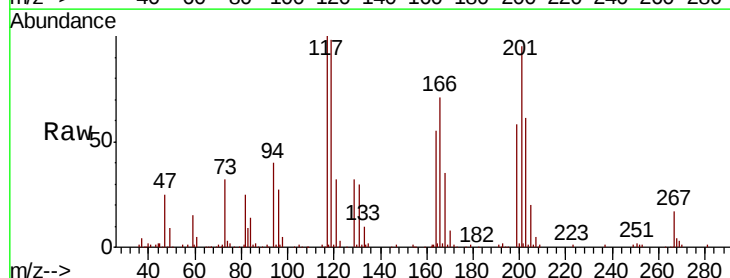
Manual Integrations
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#90
Hexachloroethane
Concen: 19.787 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053181.D
Acq: 24 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.8	45.7	137.1





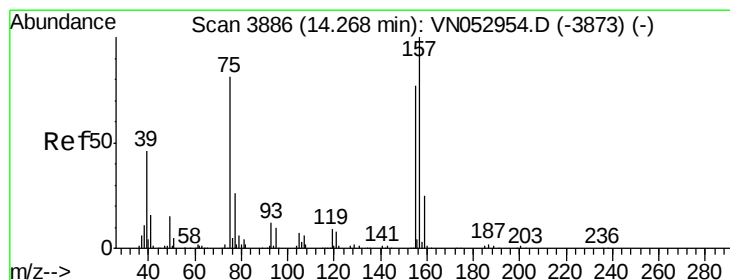
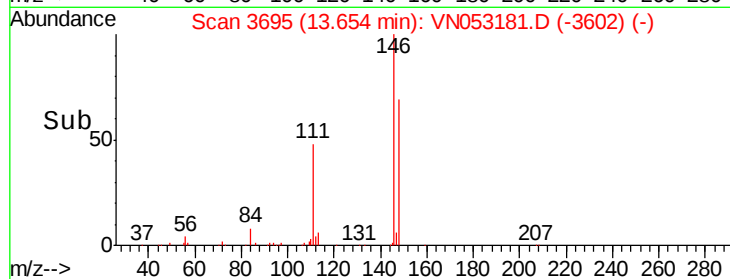
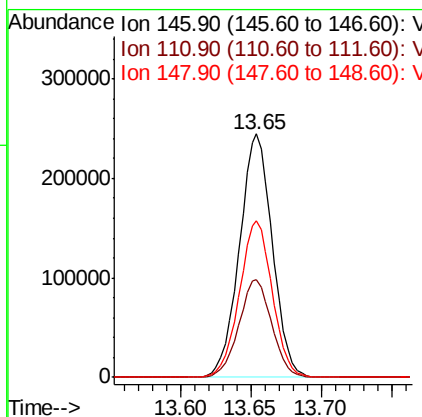
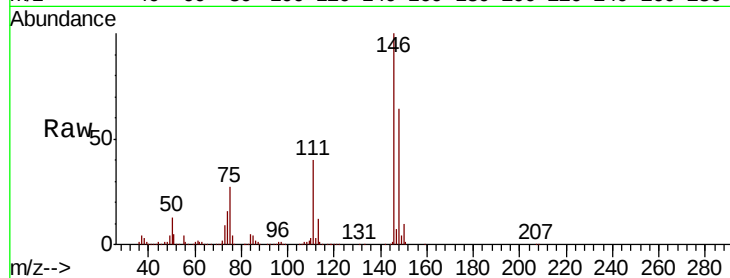
#91
 1,2-Dichlorobenzene
 Concen: 20.949 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.7	59.0
148	64.1	32.0	96.0

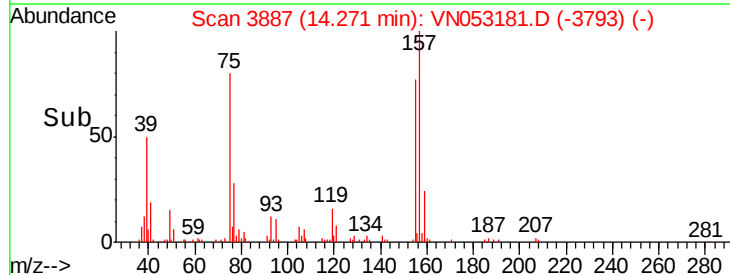
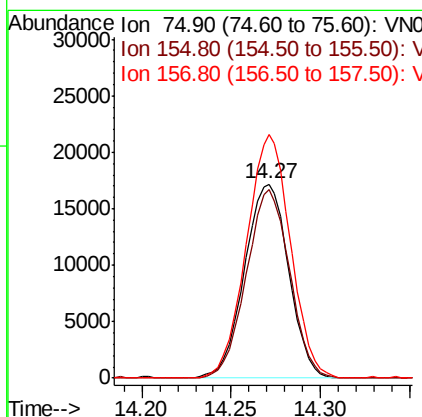
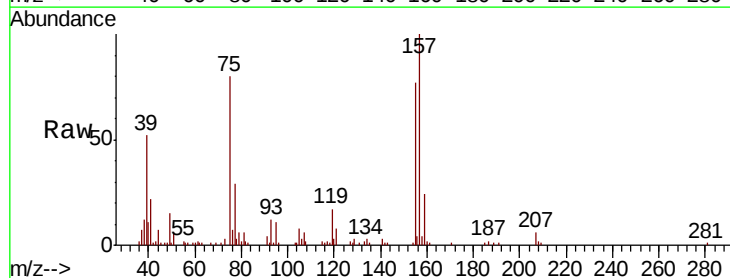
Manual Integrations
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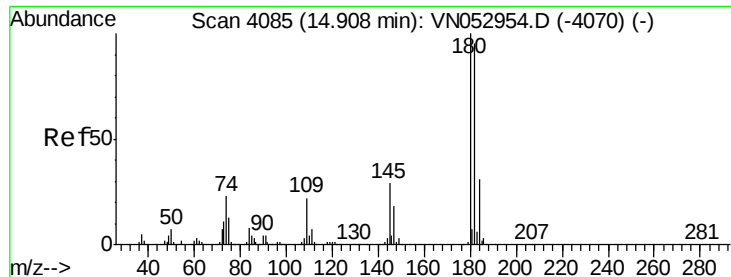
MMDadoda
 12/26/2018 10:53:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.931 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053181.D
 Acq: 24 Dec 2018 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	48.2	144.6
157	124.7	61.2	183.5





#93

1,2,4-Trichlorobenzene

Concen: 19.257 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

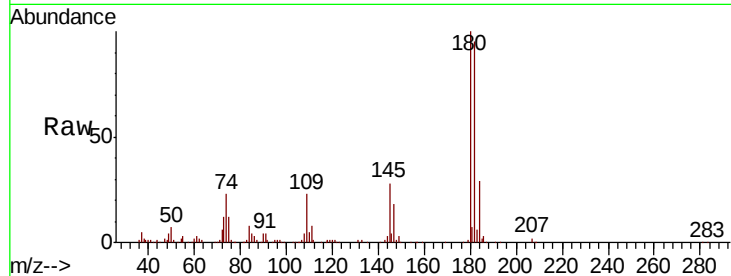
ClientSampleId :

VN1224WBS01

Tot Ion:	180	Resp:	190866
Ion Ratio		Lower	Upper
180	100		
182	97.1	47.8	143.3
145	28.6	14.2	42.6

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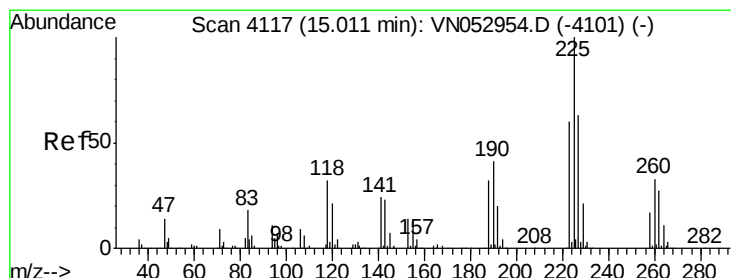
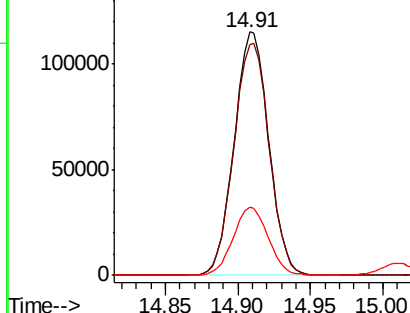
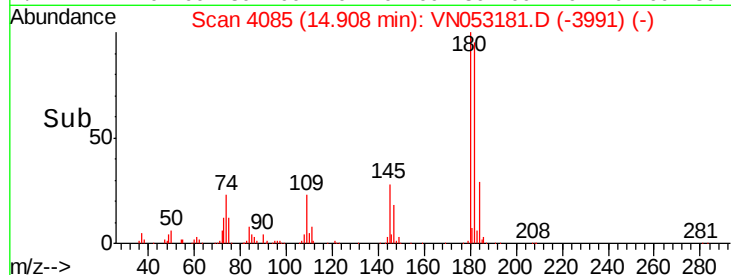


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 21.221 ug/l

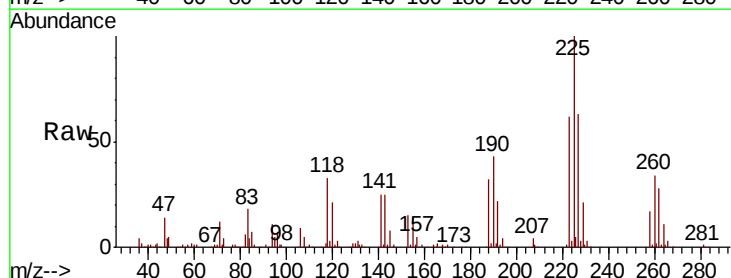
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Tgt Ion:	225	Resp:	119690
Ion Ratio		Lower	Upper
225	100		
223	62.5	31.5	94.5
227	63.5	31.9	95.7

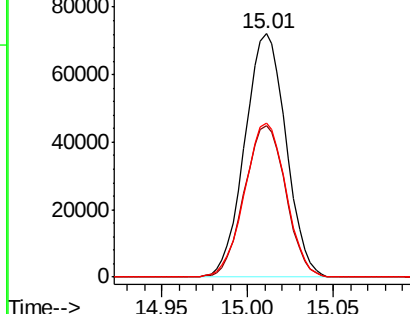
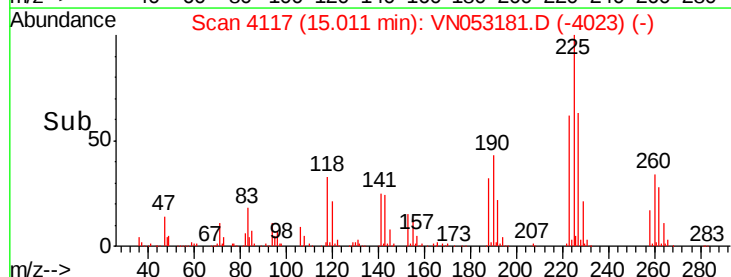


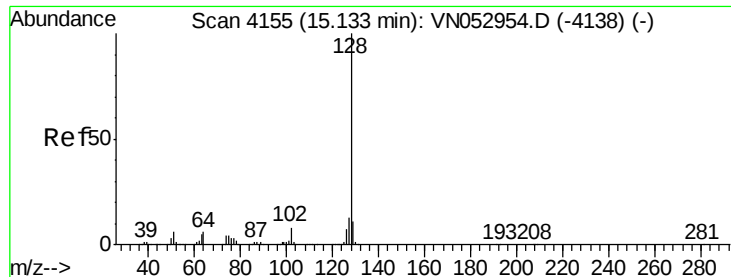
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.264 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Instrument :

MSVOA_N

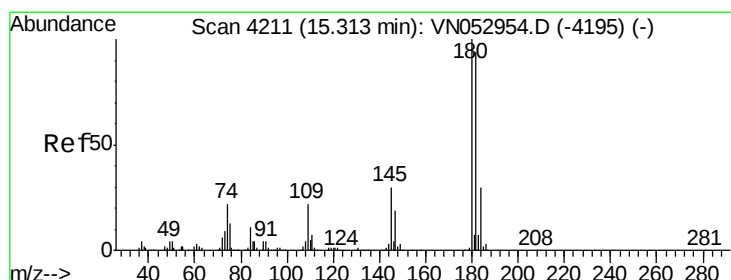
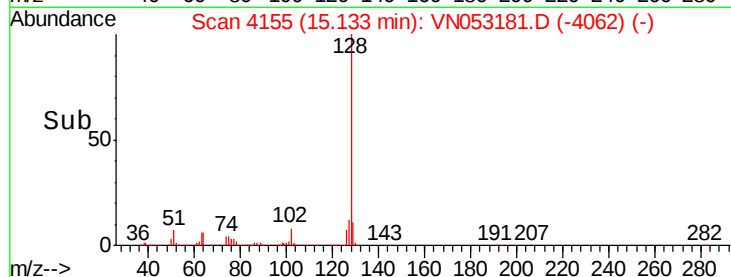
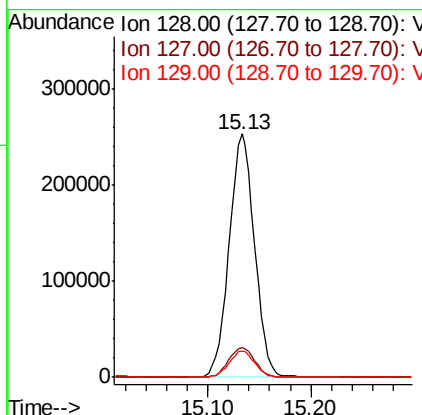
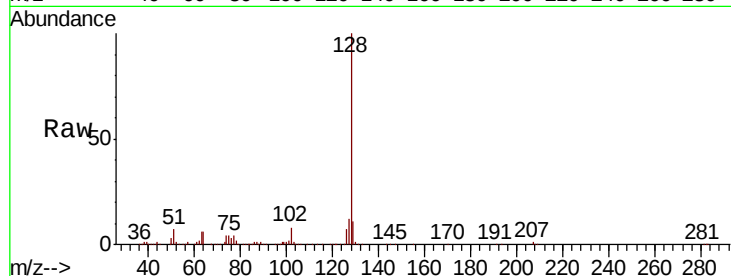
ClientSampleId :

VN1224WBS01

Tot Ion:	128	Resp:	433160
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.2	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.279 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053181.D

Acq: 24 Dec 2018 13:26

Tgt Ion:	180	Resp:	172579
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.7
145	31.1	15.0	45.0

