

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122218\
 Data File : VN053126.D
 Acq On : 22 Dec 2018 12:18
 Operator : MD\SY
 Sample : VN1222MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 9:32:41 AM

Quant Time: Dec 23 23:33:23 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	1066554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1630492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1415918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	598476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	473020	43.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.40%	
35) Dibromofluoromethane	7.59	113	378930	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.09	98	1708580	42.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.46%	
62) 4-Bromofluorobenzene	12.40	95	555981	39.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	198894	18.426	ug/l	99
3) Chloromethane	2.06	50	233176	17.826	ug/l	99
4) Vinyl Chloride	2.19	62	248041	18.724	ug/l	99
5) Bromomethane	2.58	94	156688	17.072	ug/l	99
6) Chloroethane	2.71	64	149689	19.079	ug/l	99
7) Trichlorofluoromethane	3.03	101	324229	19.647	ug/l	100
8) Diethyl Ether	3.42	74	122113	19.614	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	206582	19.633	ug/l	98
10) Methyl Iodide	3.96	142	258957	17.525	ug/l	99
11) Tert butyl alcohol	4.78	59	59743	90.464	ug/l	99
12) 1,1-Dichloroethene	3.74	96	195837	19.265	ug/l	98
13) Acrolein	3.61	56	65429	109.264	ug/l	99
14) Allyl chloride	4.33	41	318120	20.203	ug/l	96
15) Acrylonitrile	4.99	53	348361	94.950	ug/l	98
16) Acetone	3.82	43	211801	99.805	ug/l	97
17) Carbon Disulfide	4.06	76	530639	16.006	ug/l	99
18) Methyl Acetate	4.33	43	187842	20.107	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	537410	19.755	ug/l	97
20) Methylene Chloride	4.56	84	225858	19.511	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	206735	18.928	ug/l	100
22) Diisopropyl ether	5.95	45	696696	20.728	ug/l	99
23) Vinyl Acetate	5.90	43	1953749	101.088	ug/l	99
24) 1,1-Dichloroethane	5.85	63	403294	20.193	ug/l	99
25) 2-Butanone	6.83	43	361455	101.490	ug/l	99
26) 2,2-Dichloropropane	6.83	77	291430	19.115	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	244875	19.804	ug/l	100
28) Bromochloromethane	7.20	49	170992	19.758	ug/l	96
29) Tetrahydrofuran	7.21	42	257595	96.842	ug/l	98
30) Chloroform	7.37	83	390932	19.925	ug/l	100
31) Cyclohexane	7.65	56	375423	19.399	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	324957	19.443	ug/l	100
36) 1,1-Dichloropropene	7.80	75	298716	19.087	ug/l	100
37) Ethyl Acetate	6.93	43	170481	19.514	ug/l	100
38) Carbon Tetrachloride	7.78	117	271466	18.925	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	345911	18.195	ug/l	99
40) Benzene	8.04	78	920684	19.778	ug/l	99
41) Methacrylonitrile	7.17	41	106466	21.091	ug/l	90
42) 1,2-Dichloroethane	8.13	62	271096	19.714	ug/l	99
43) Isopropyl Acetate	8.16	43	322547	18.418	ug/l	98
44) Trichloroethene	8.84	130	250221	18.584	ug/l	98
45) 1,2-Dichloropropane	9.12	63	245688	20.263	ug/l	99
46) Dibromomethane	9.21	93	136376	19.308	ug/l	98
47) Bromodichloromethane	9.40	83	293328	19.536	ug/l	99
48) Methyl methacrylate	9.20	41	158106	18.650	ug/l	98
49) 1,4-Dioxane	9.20	88	38877	362.527	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	846536	100.056	ug/l	99
52) Toluene	10.16	92	562868	19.508	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	286515	18.147	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	348779	19.246	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	200177	19.887	ug/l	98
56) Ethyl methacrylate	10.43	69	253249	19.008	ug/l	98
57) 1,3-Dichloropropane	10.71	76	343508	19.900	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	731322	99.983	ug/l	99
59) 2-Hexanone	10.75	43	555984	97.127	ug/l	99
60) Dibromochloromethane	10.90	129	214012	18.574	ug/l	100
61) 1,2-Dibromoethane	11.01	107	195852	19.158	ug/l	100
64) Tetrachloroethene	10.63	164	281753	18.370	ug/l	99
65) Chlorobenzene	11.43	112	612367	19.510	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	219963	20.153	ug/l	99
67) Ethyl Benzene	11.51	91	1053707	19.521	ug/l	100
68) m/p-Xylenes	11.62	106	793242	38.657	ug/l	99
69) o-Xylene	11.95	106	389573	19.785	ug/l	99
70) Styrene	11.96	104	622677	19.394	ug/l	99
71) Bromoform	12.13	173	140260	17.788	ug/l #	100
73) Isopropylbenzene	12.25	105	1017814	21.736	ug/l	99
74) N-amyl acetate	12.07	43	260251	20.019	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	211730	23.048	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	187769m	18.638	ug/l	
77) Bromobenzene	12.53	156	255041	20.953	ug/l	98
78) n-propylbenzene	12.59	91	1115103	20.909	ug/l	100
79) 2-Chlorotoluene	12.67	91	663361	20.067	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	779834	20.432	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54955	17.581	ug/l	97
82) 4-Chlorotoluene	12.77	91	657108	20.307	ug/l	99
83) tert-Butylbenzene	12.99	119	695555	20.606	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	779851	20.325	ug/l	100
85) sec-Butylbenzene	13.17	105	906337	19.851	ug/l	99
86) p-Isopropyltoluene	13.29	119	766251	19.423	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	412950	19.169	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	409016	18.748	ug/l	99
89) n-Butylbenzene	13.62	91	595629	17.549	ug/l	100
90) Hexachloroethane	13.88	117	115311	19.047	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	386749	19.075	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27394	17.246	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	175776	16.765	ug/l	100
94) Hexachlorobutadiene	15.01	225	114829	18.857	ug/l	99
95) Naphthalene	15.13	128	364367	16.276	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	157017	16.575	ug/l	99

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

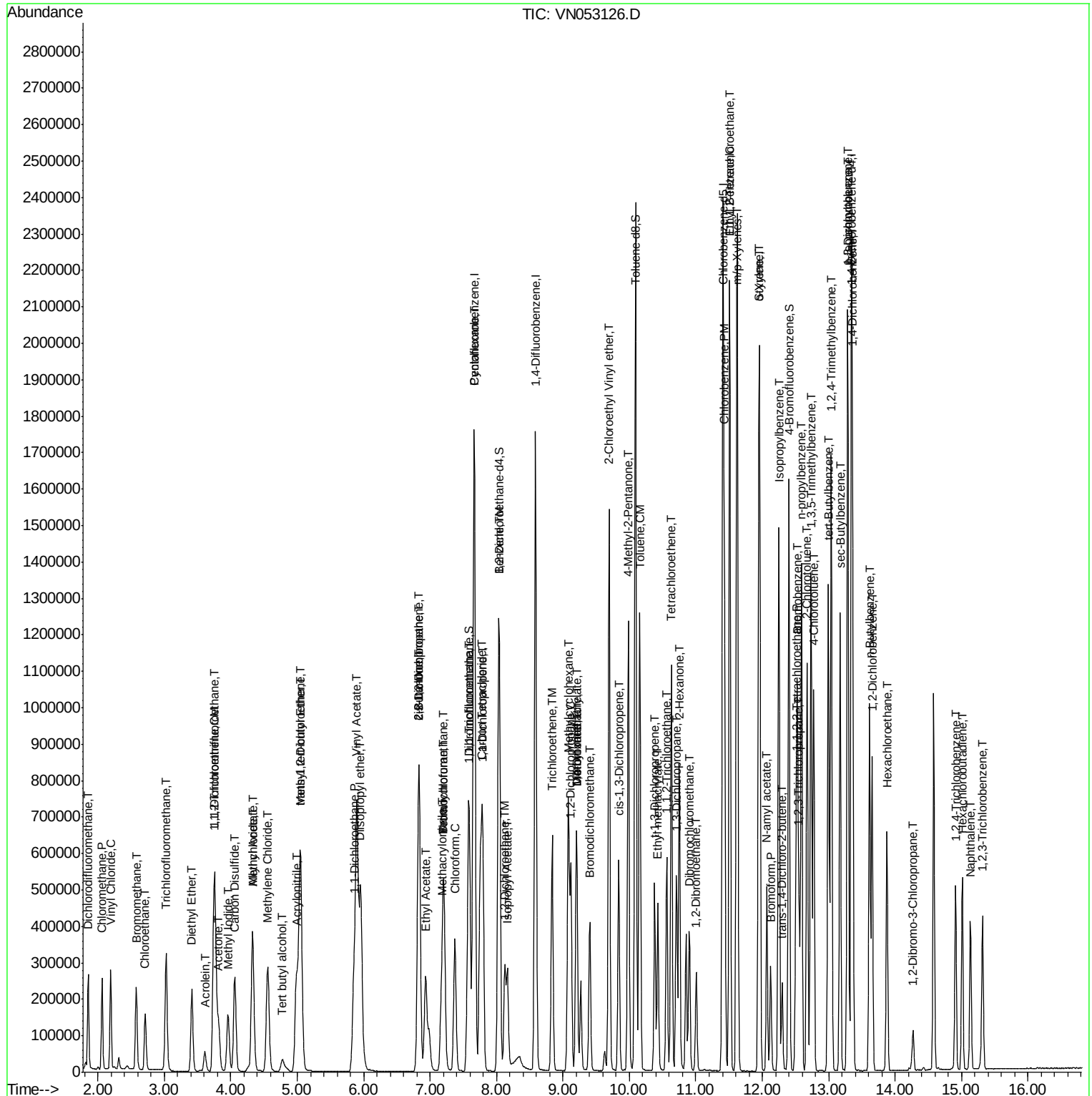
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Data File : VN053126.D
Acq On : 22 Dec 2018 12:18
Operator : MD\SY
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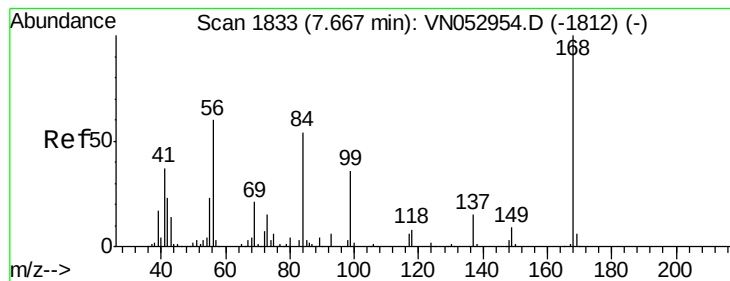
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Manual Integrations
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MMDadoda
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampled :

VN1222MBS01

Tgt Ion:168 Resp: 1066554

Ion Ratio Lower Upper

168 100

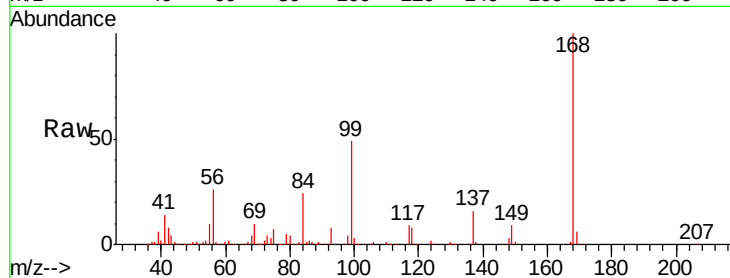
99 49.1 40.2 60.2

Manual Integrations

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12/24/2018 9:32:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

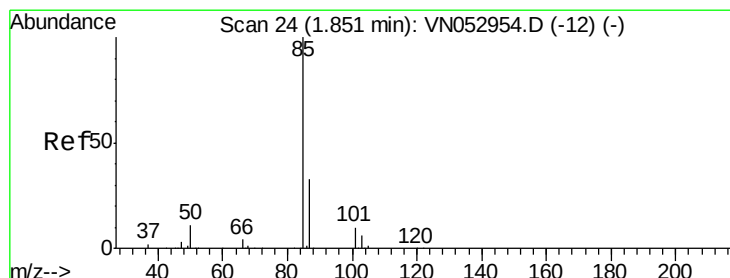
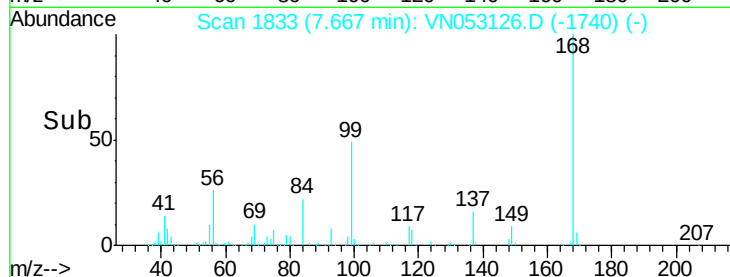
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.426 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053126.D

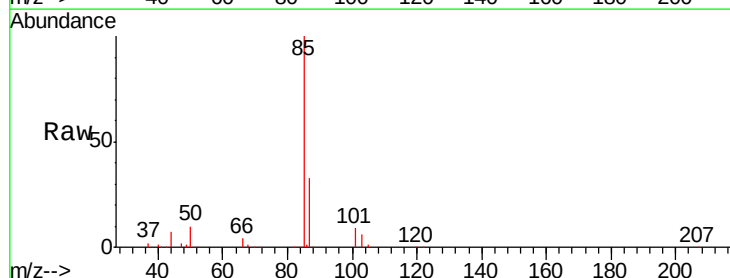
Acq: 22 Dec 2018 12:18

Tgt Ion: 85 Resp: 198894

Ion Ratio Lower Upper

85 100

87 33.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

150000

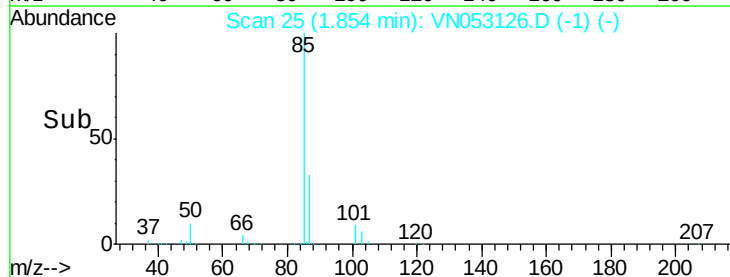
100000

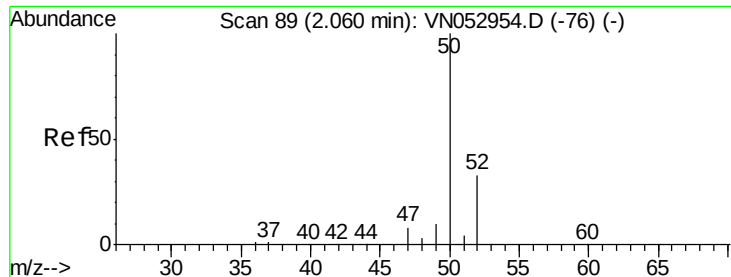
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.826 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

Tgt Ion: 50 Resp: 233176

Ion Ratio Lower Upper

50 100

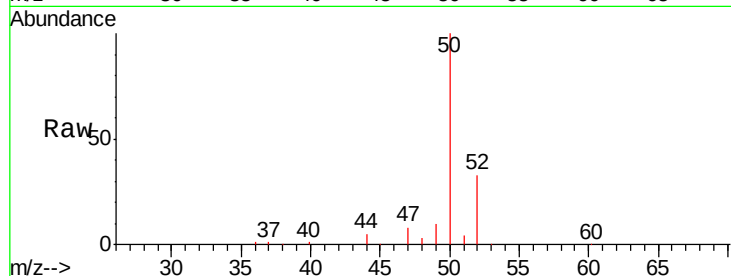
52 33.5 26.2 39.4

Manual Integrations

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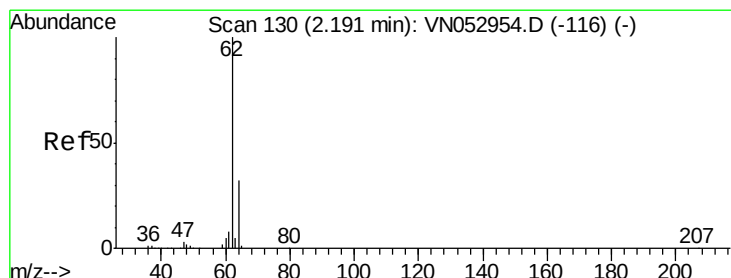
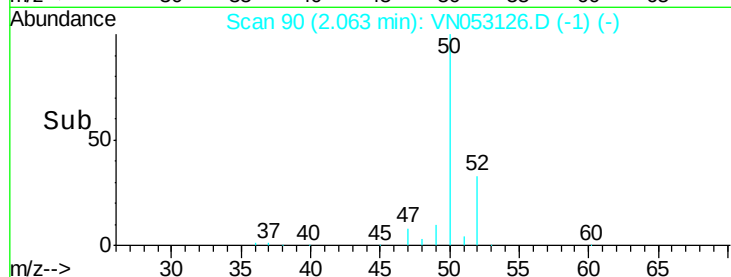
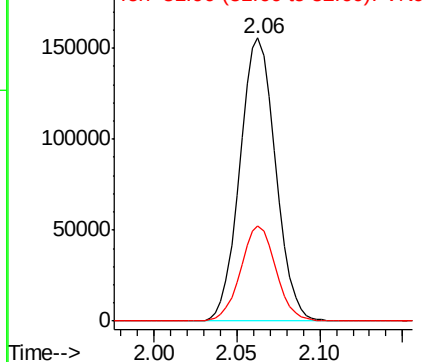
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.724 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053126.D

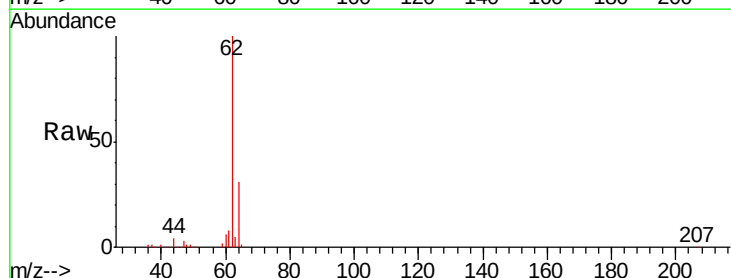
Acq: 22 Dec 2018 12:18

Tgt Ion: 62 Resp: 248041

Ion Ratio Lower Upper

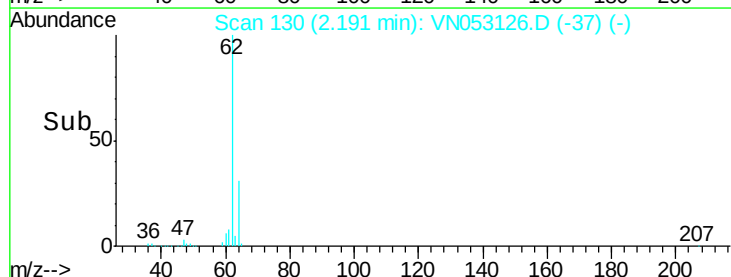
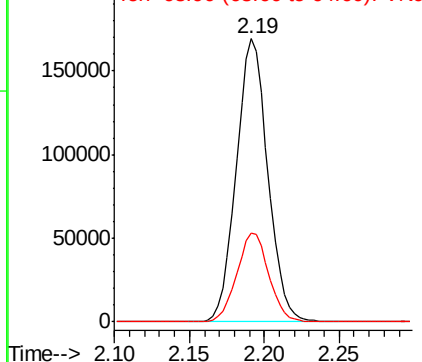
62 100

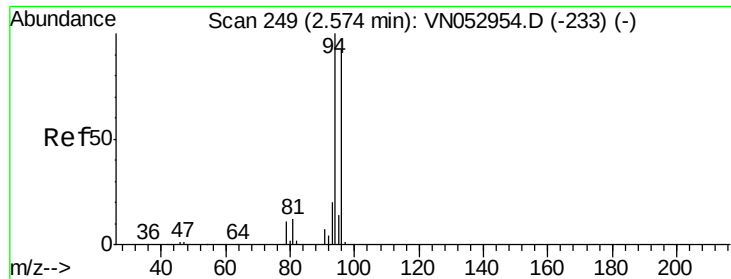
64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 17.072 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

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VN1222MBS01

Tgt Ion: 94 Resp: 156688

Ion Ratio Lower Upper

94 100

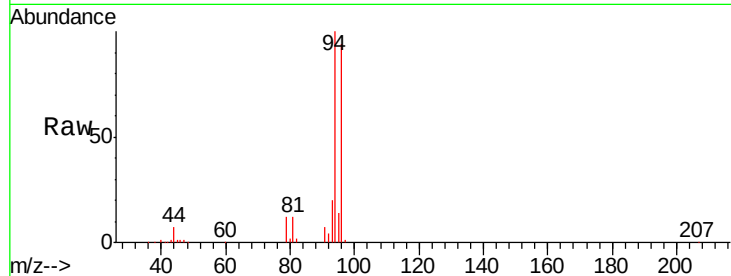
96 94.4 75.0 112.4

Manual Integrations

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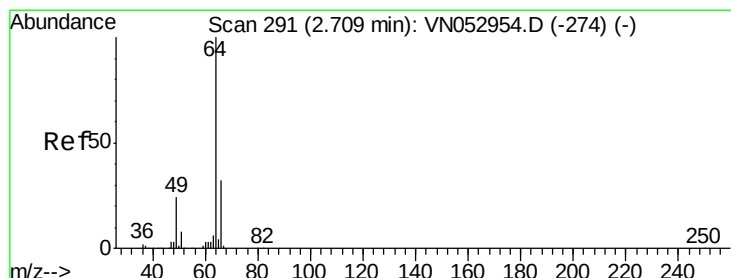
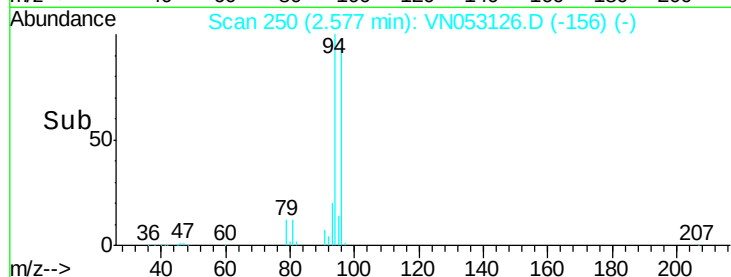
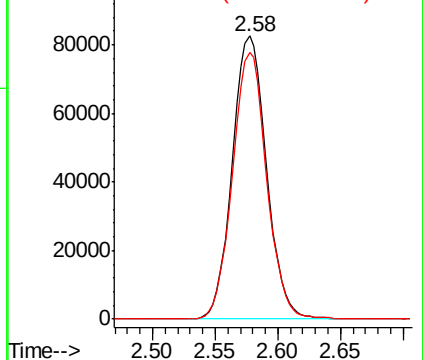
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.079 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053126.D

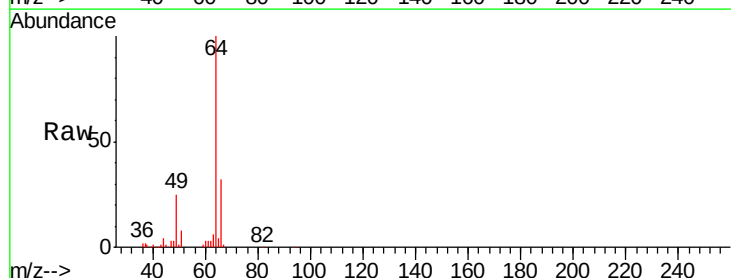
Acq: 22 Dec 2018 12:18

Tgt Ion: 64 Resp: 149689

Ion Ratio Lower Upper

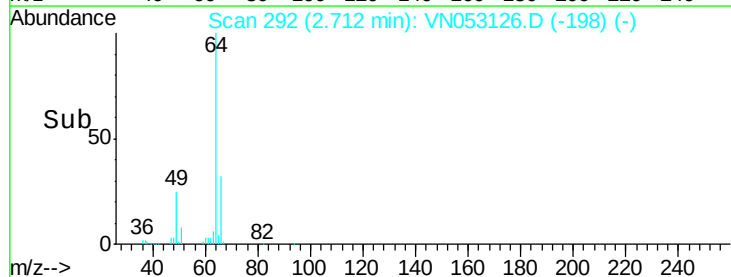
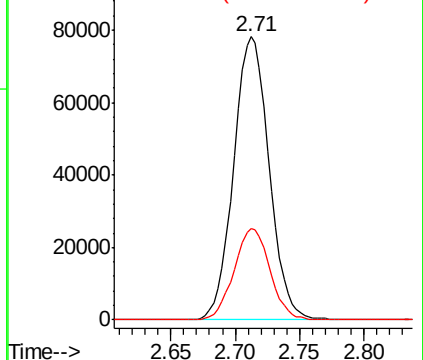
64 100

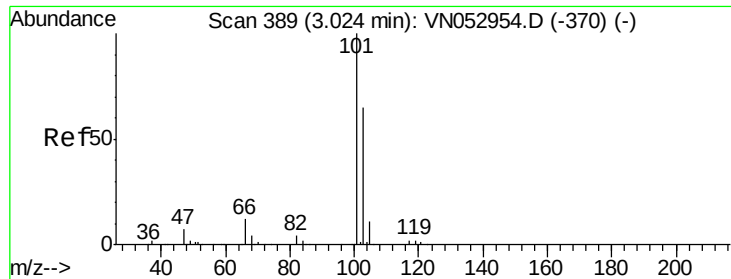
66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

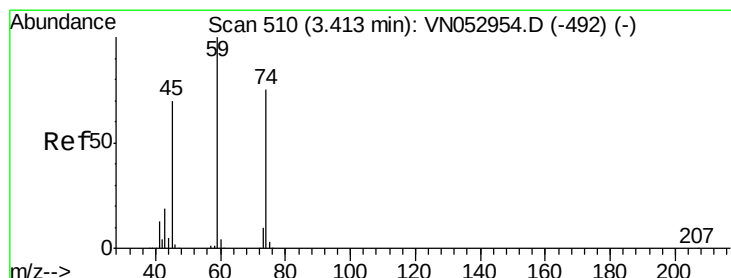
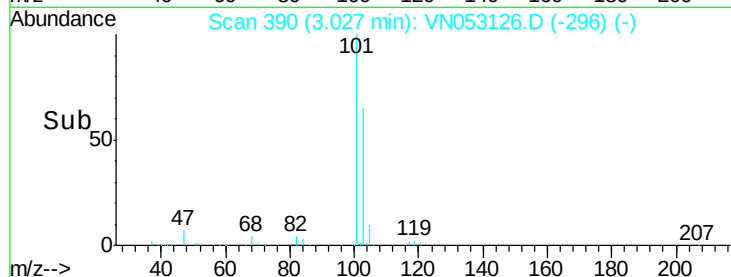
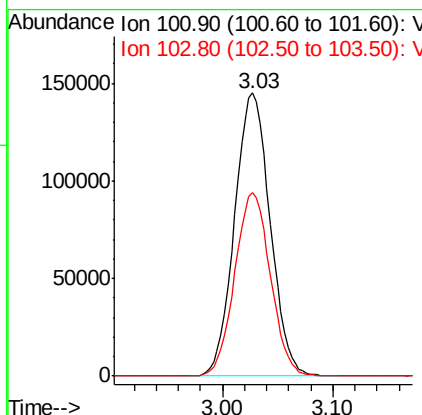
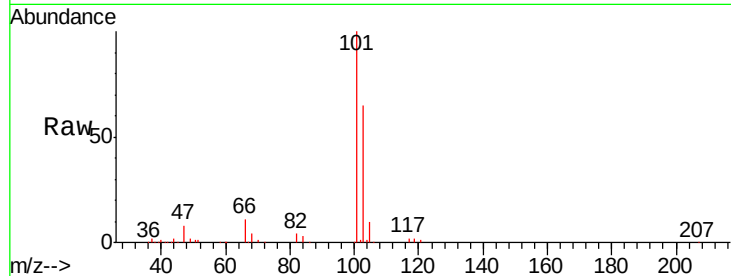
Trichlorofluoromethane
 Concen: 19.647 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Instrument :
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 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.8	77.6

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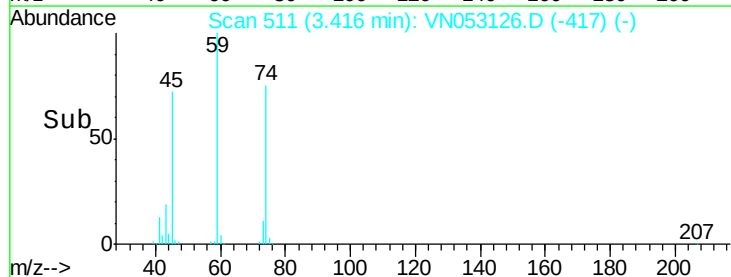
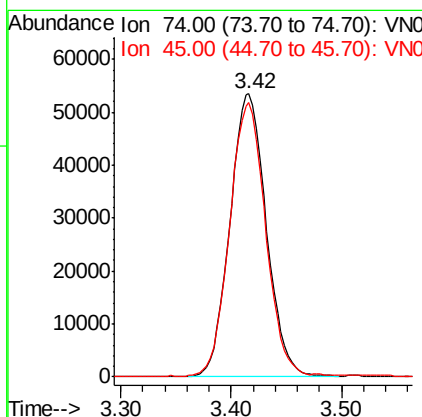
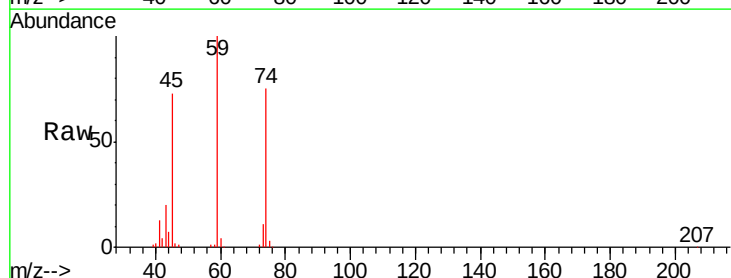
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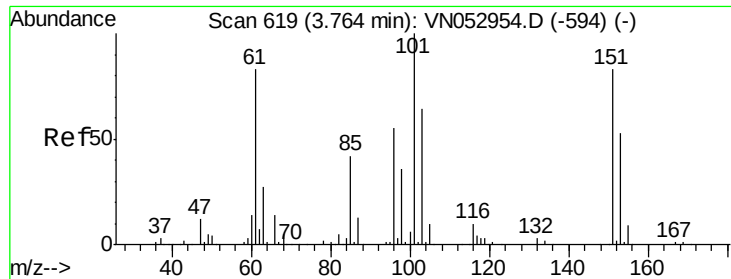


#8

Diethyl Ether
 Concen: 19.614 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.633 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

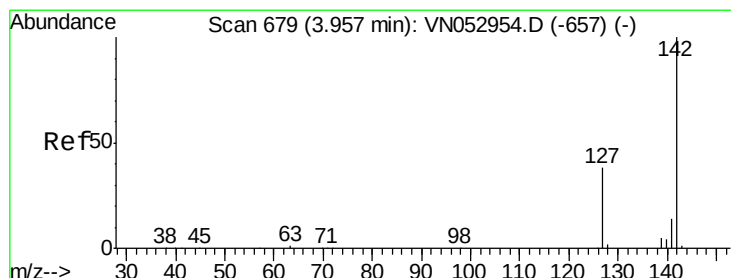
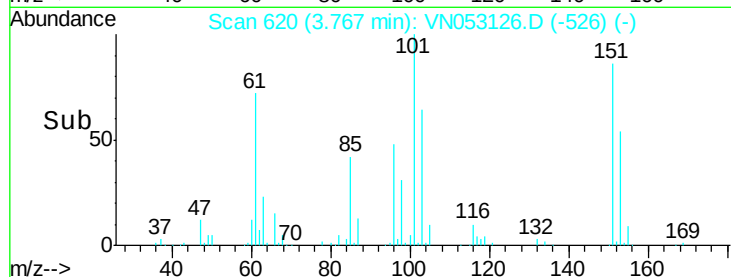
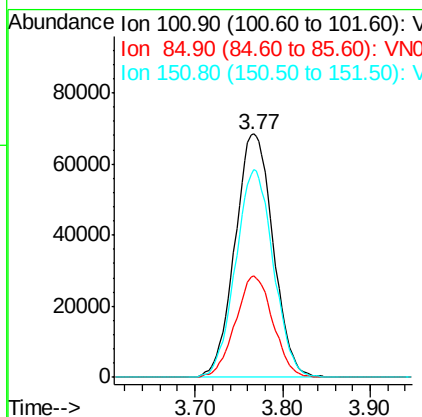
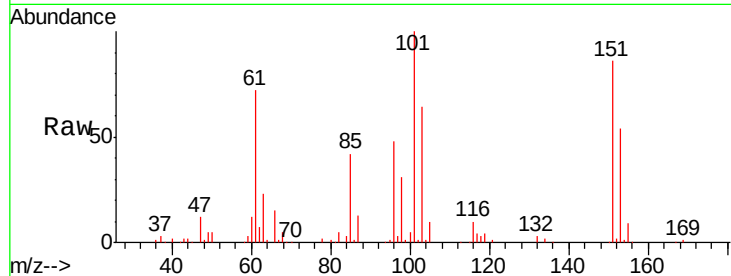
ClientSampleId :

VN1222MBS01

Tgt Ion:	101	Resp:	206582
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.6	50.4
151	84.5	65.5	98.3

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#10

Methyl Iodide

Concen: 17.525 ug/l

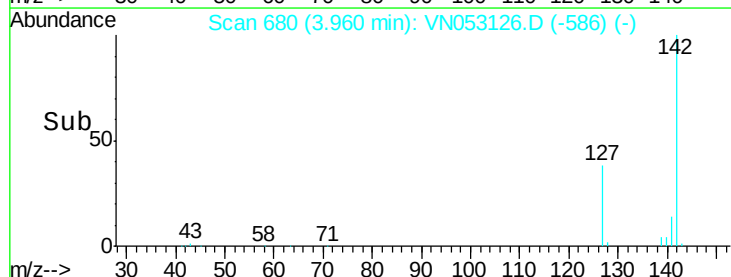
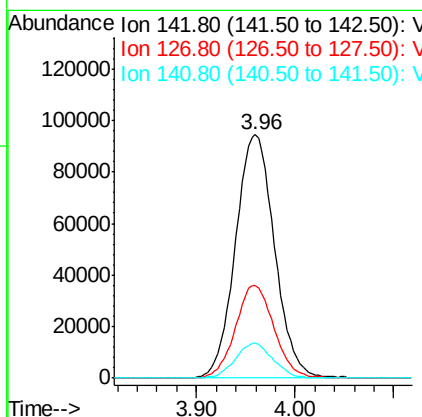
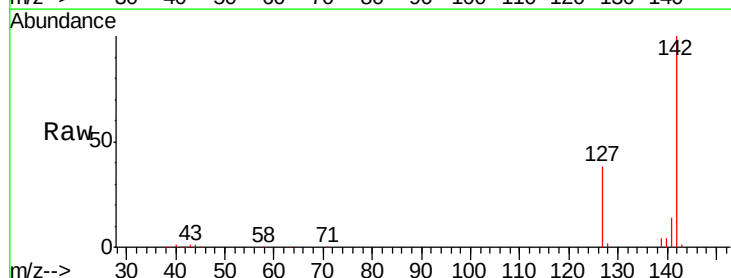
RT: 3.96 min Scan# 680

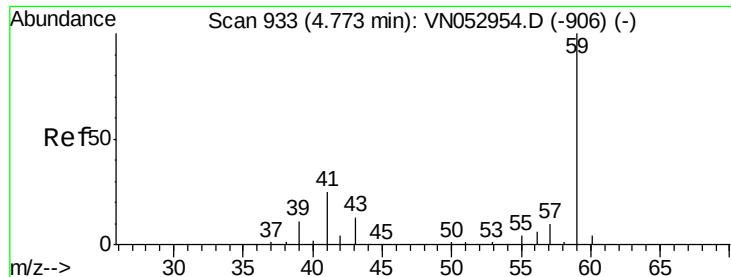
Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Tgt Ion:	142	Resp:	258957
Ion Ratio	Lower	Upper	
142	100		
127	37.7	31.0	46.6
141	13.9	11.2	16.8





#11

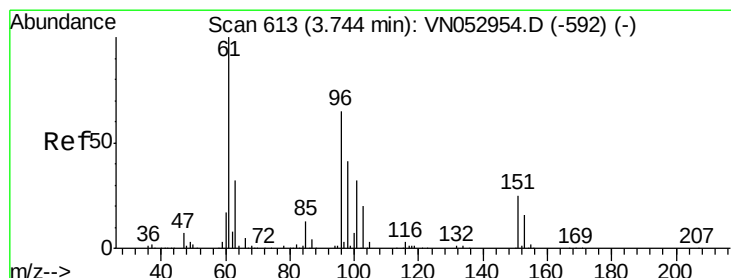
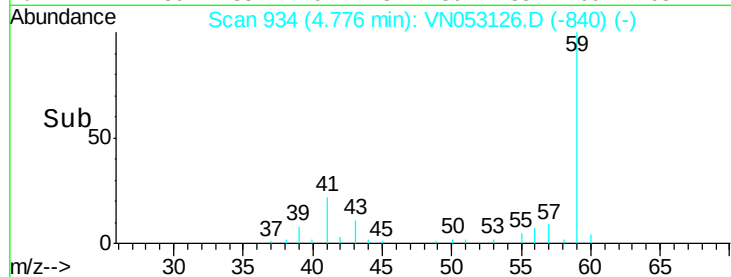
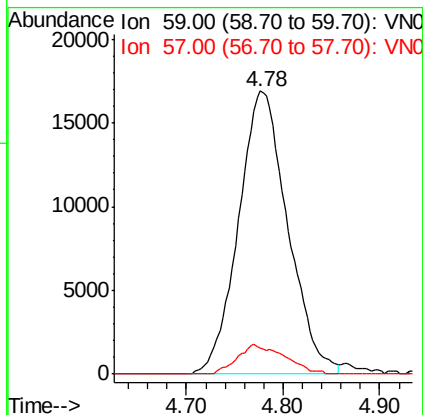
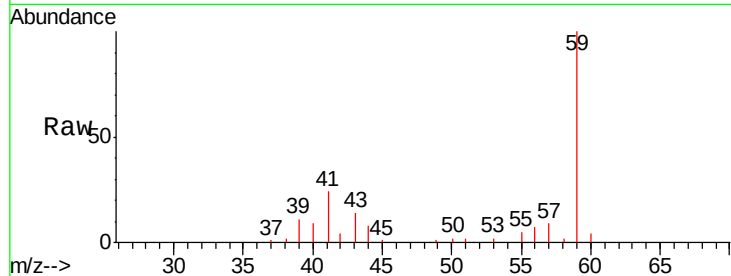
Tert butyl alcohol
 Concen: 90.464 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS01

Tgt Ion: 59 Resp: 59743
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.7 11.5

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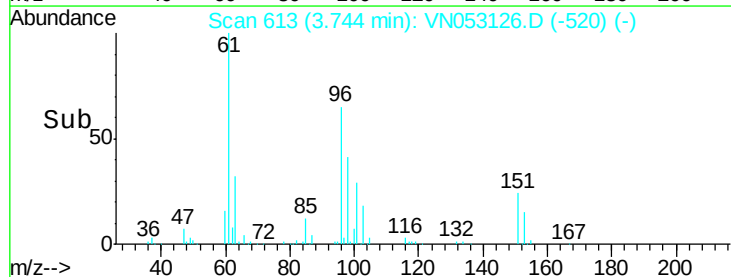
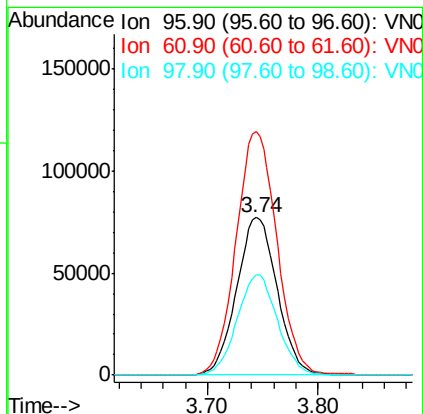
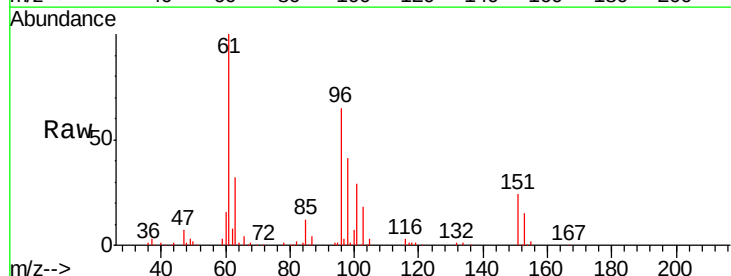
MMDadoda
 12/24/2018 9:32:41 AM

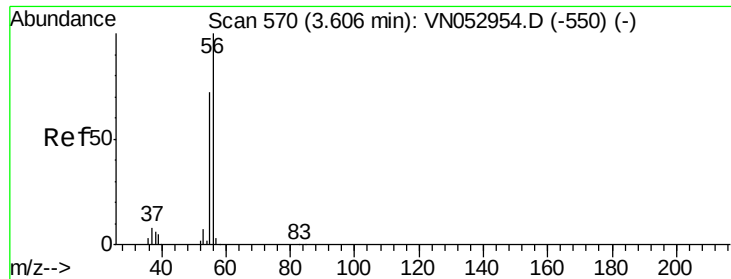


#12

1,1-Dichloroethene
 Concen: 19.265 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion: 96 Resp: 195837
 Ion Ratio Lower Upper
 96 100
 61 154.3 125.6 188.4
 98 63.5 50.6 75.8





#13

Acrolein

Concen: 109.264 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

Tgt Ion: 56 Resp: 65429

Ion Ratio Lower Upper

56 100

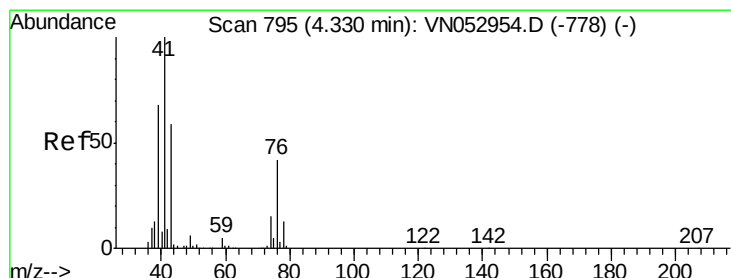
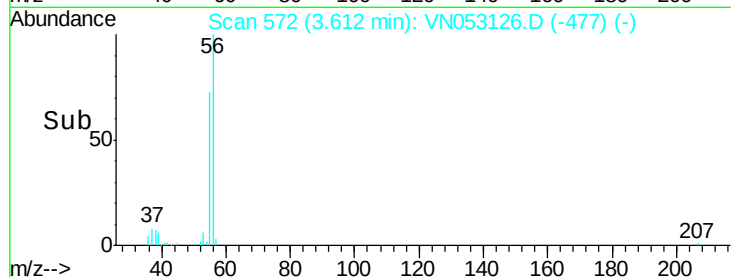
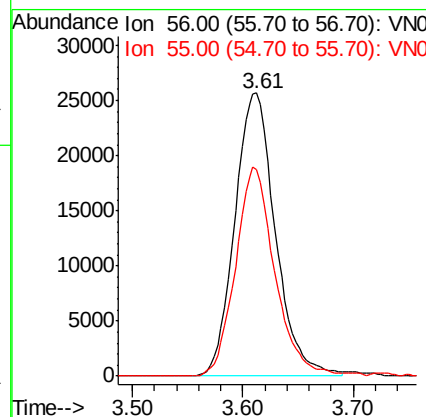
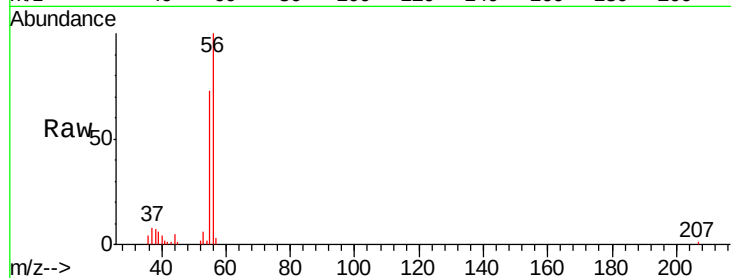
55 71.3 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.203 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

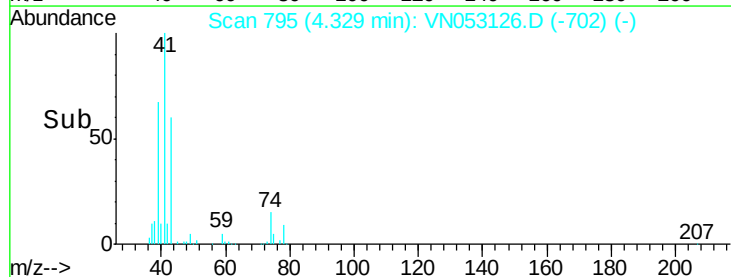
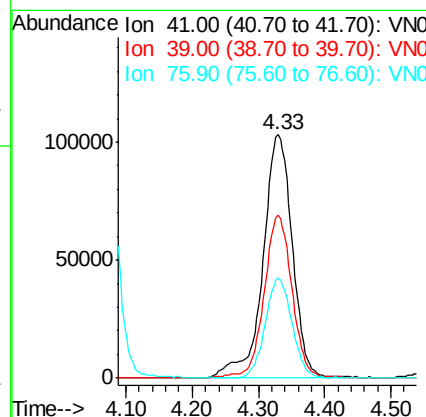
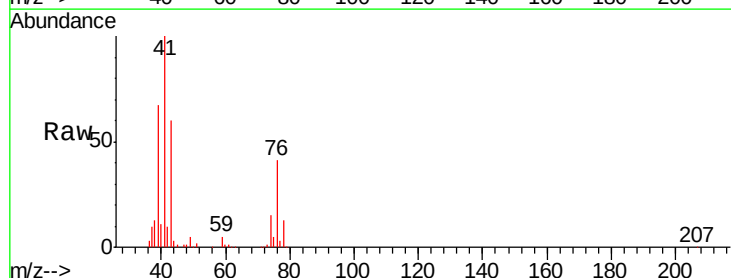
Tgt Ion: 41 Resp: 318120

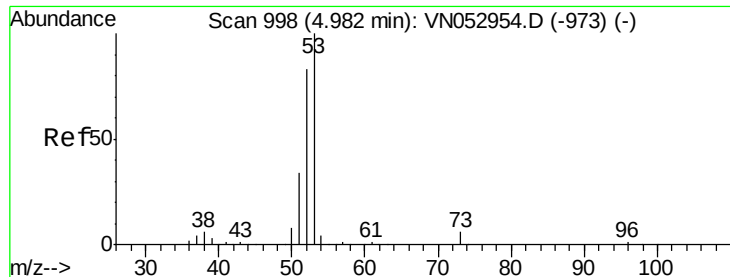
Ion Ratio Lower Upper

41 100

39 63.5 54.1 81.1

76 36.9 30.3 45.5





#15

Acrylonitrile

Concen: 94.950 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

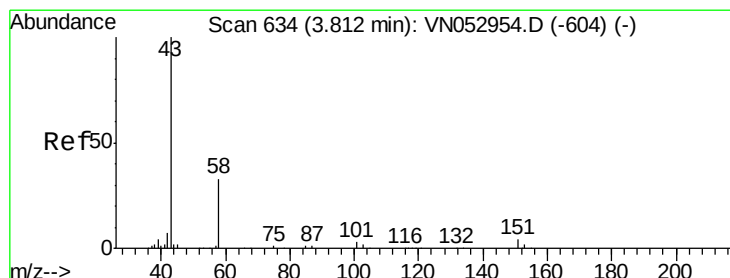
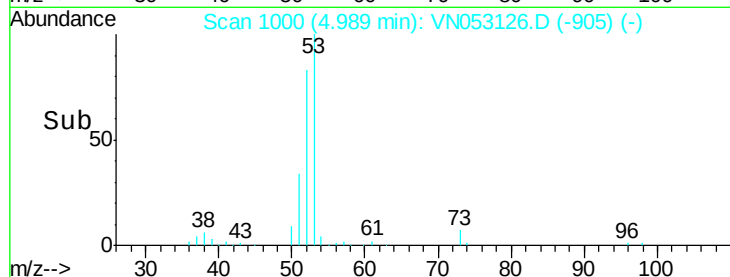
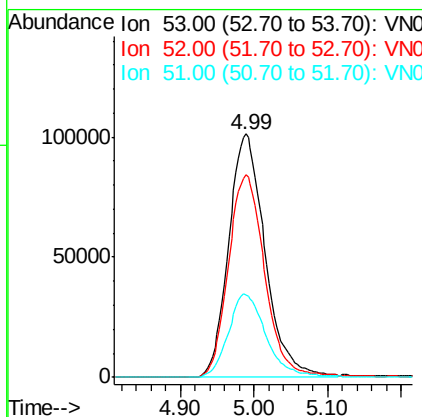
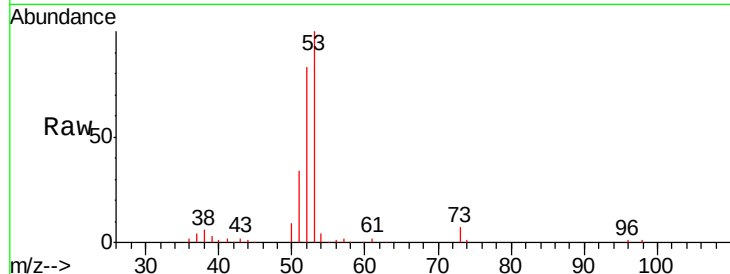
ClientSampleId :

VN1222MBS01

Tgt Ion:	53	Resp:	348361
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.1	97.7
51	35.6	28.1	42.1

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#16

Acetone

Concen: 99.805 ug/l

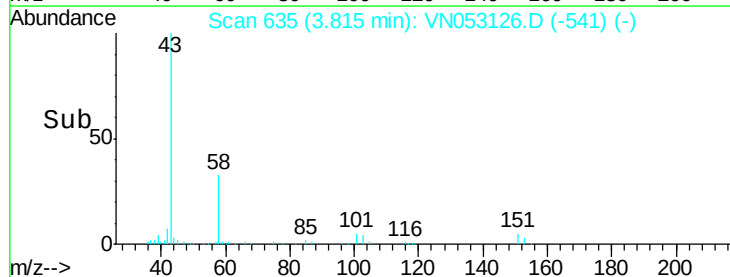
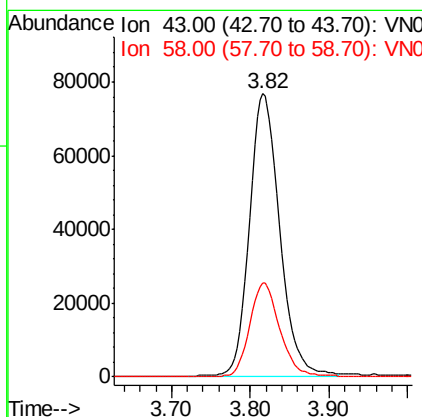
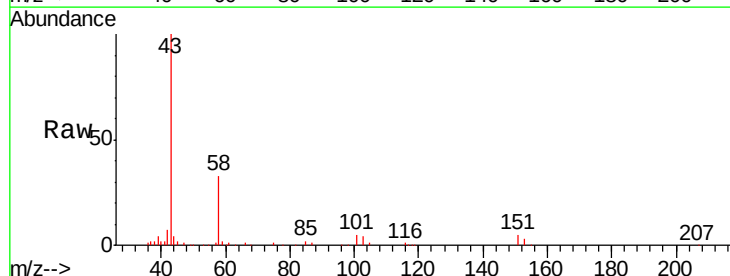
RT: 3.82 min Scan# 635

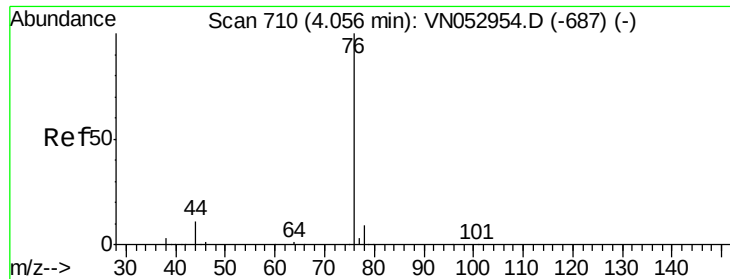
Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Tgt Ion:	43	Resp:	211801
Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.4	38.0





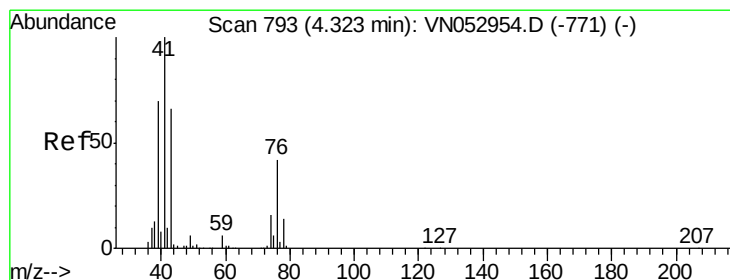
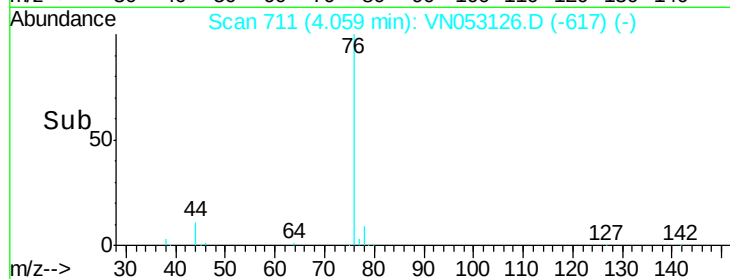
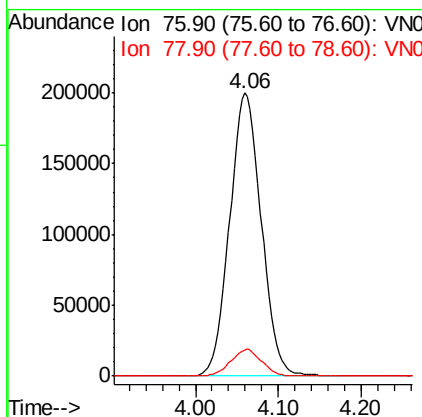
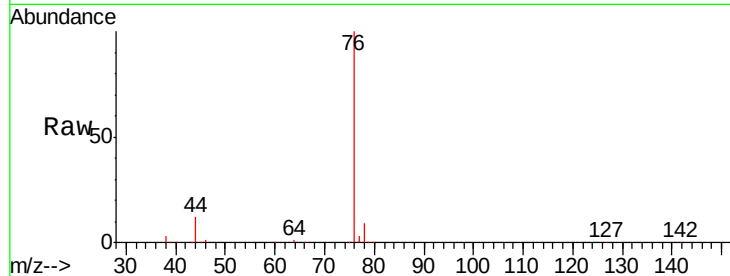
#17
Carbon Disulfide
Concen: 16.006 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Tgt Ion: 76 Resp: 530639
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7

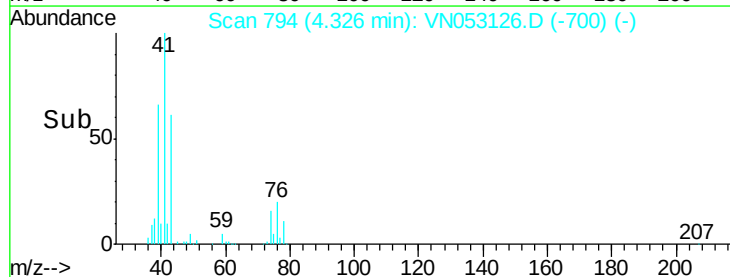
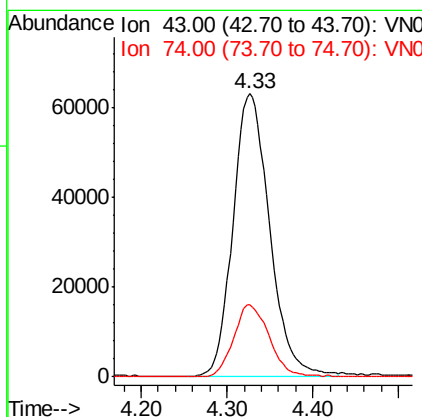
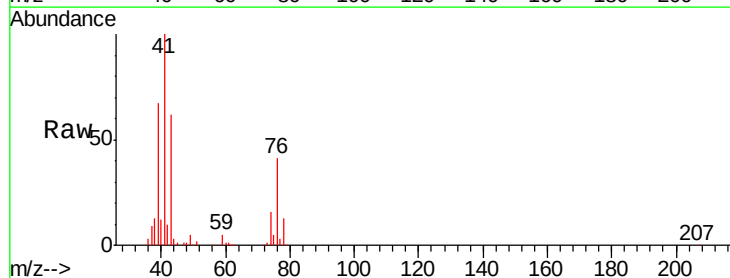
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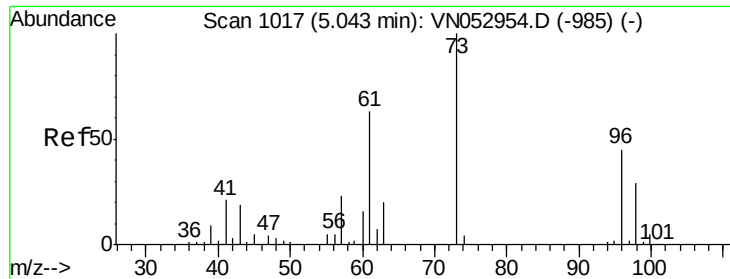
MMDadoda
12/24/2018 9:32:41 AM



#18
Methyl Acetate
Concen: 20.107 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion: 43 Resp: 187842
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8





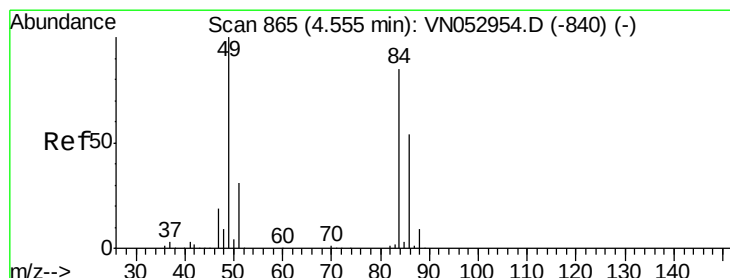
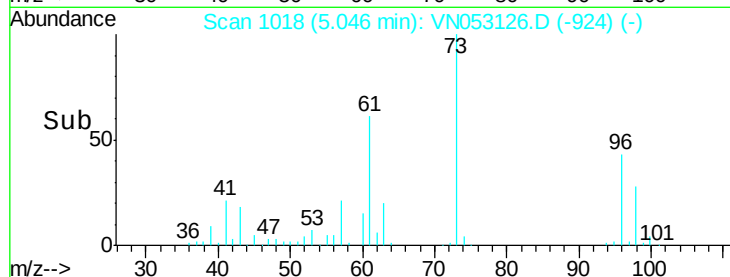
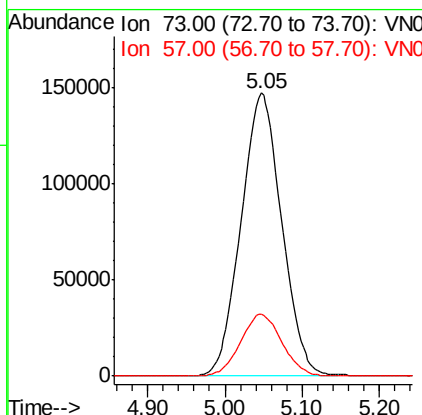
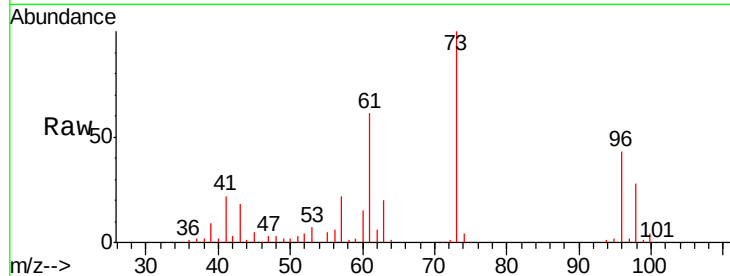
#19
Methyl tert-butyl Ether
Concen: 19.755 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Tgt Ion: 73 Resp: 537410
Ion Ratio Lower Upper
73 100
57 21.7 18.4 27.6

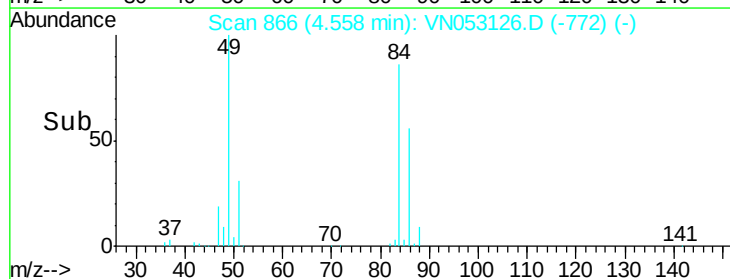
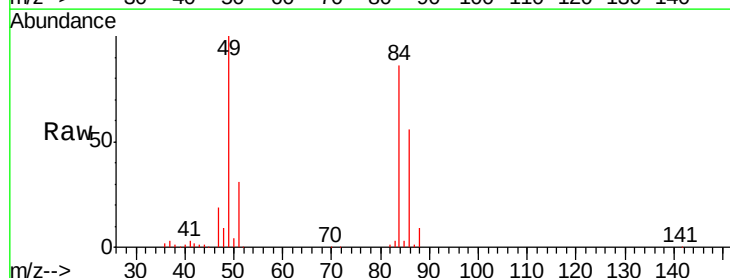
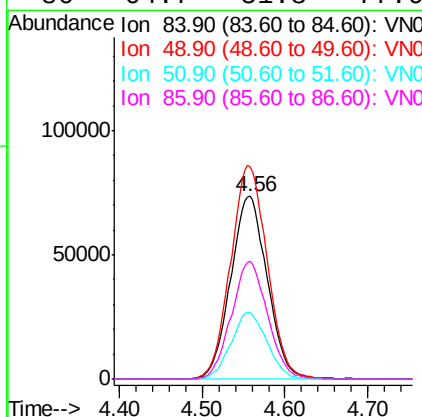
Manual Integrations
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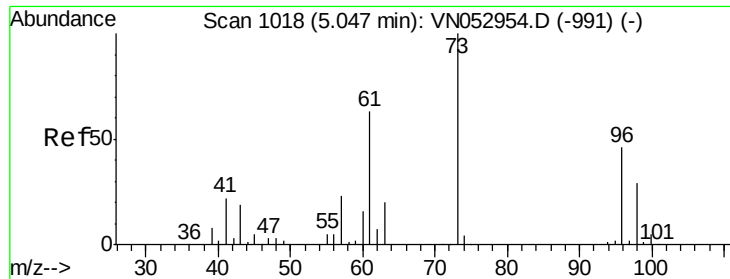
MMDadoda
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#20
Methylene Chloride
Concen: 19.511 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion: 84 Resp: 225858
Ion Ratio Lower Upper
84 100
49 116.4 96.8 145.2
51 36.2 29.9 44.9
86 64.7 51.8 77.6





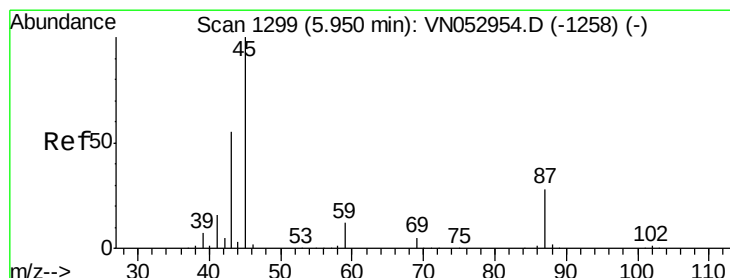
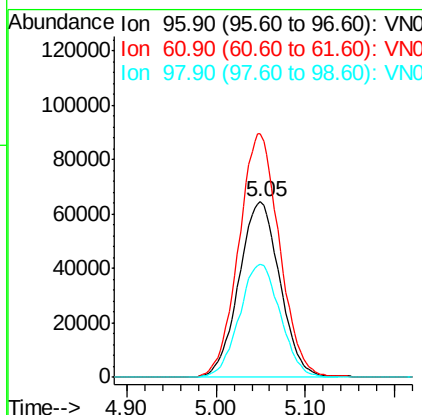
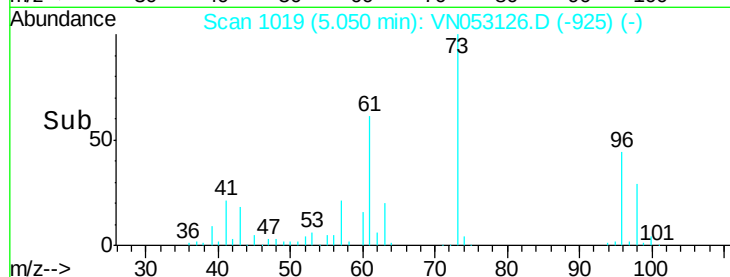
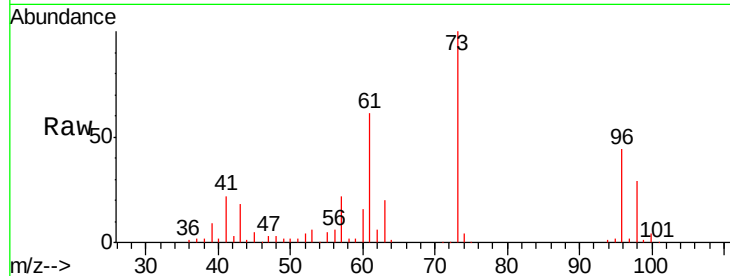
#21
trans-1,2-Dichloroethene
Concen: 18.928 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.5	110.8	166.2
98	64.6	51.4	77.2

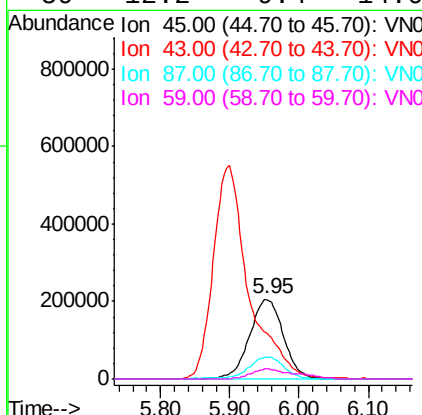
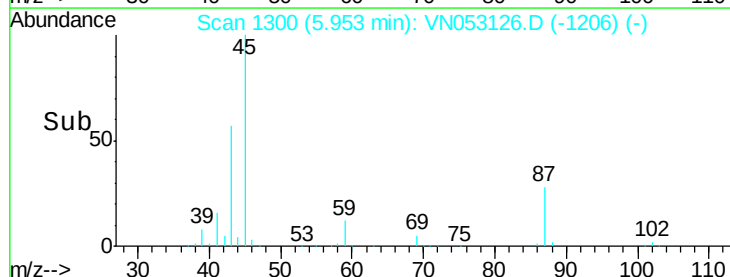
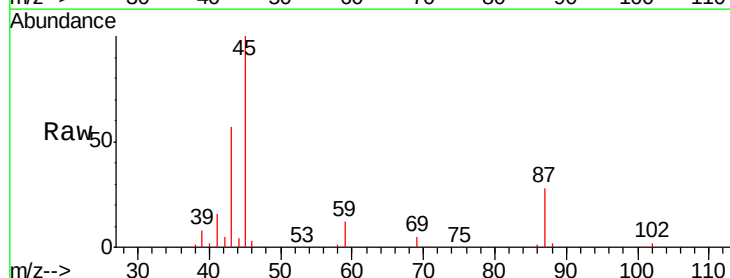
Manual Integrations
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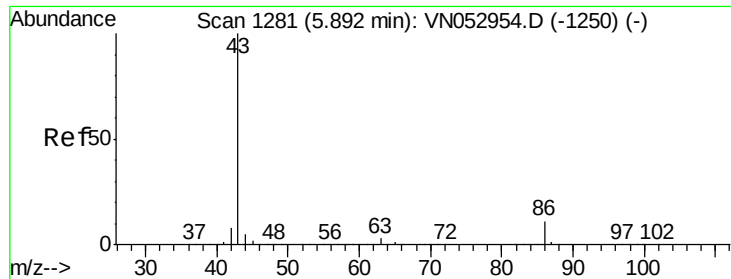
MMDadoda
12/24/2018 9:32:41 AM



#22
Diisopropyl ether
Concen: 20.728 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.8	45.5	68.3
87	27.7	22.0	33.0
59	12.2	9.4	14.0





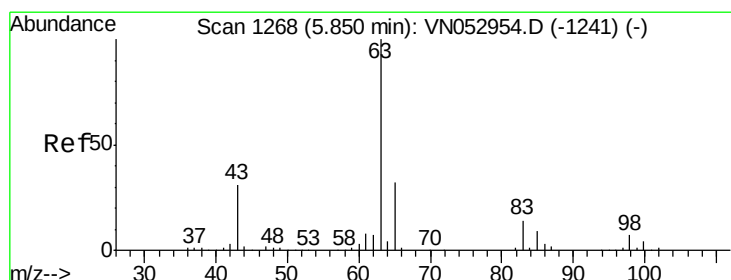
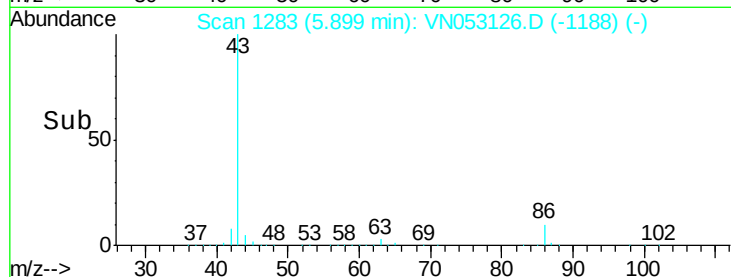
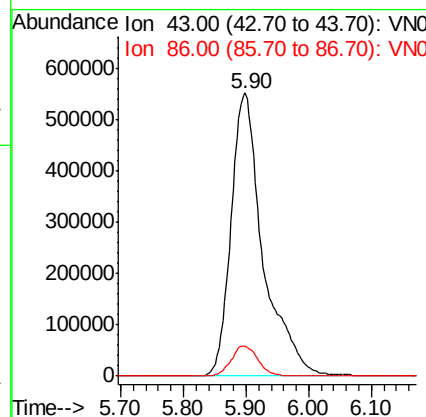
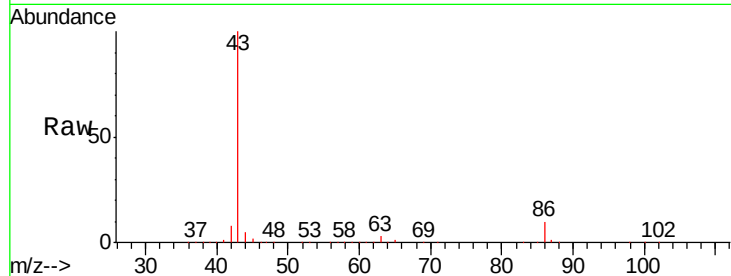
#23
 Vinyl Acetate
 Concen: 101.088 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS01

Tgt Ion: 43 Resp: 1953749
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.1 12.1

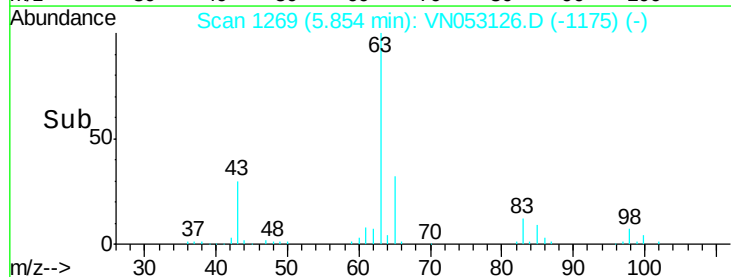
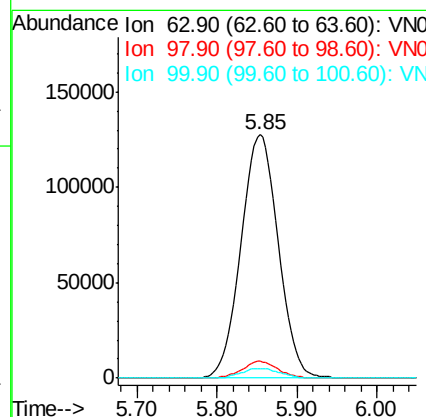
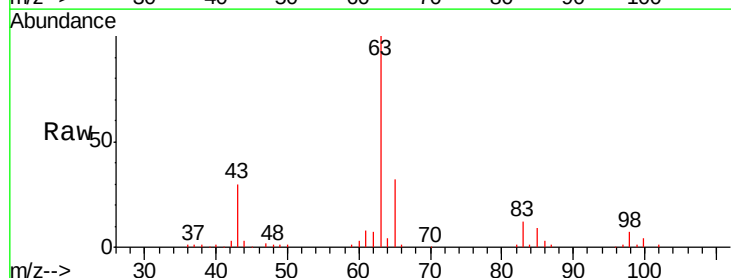
Manual Integrations
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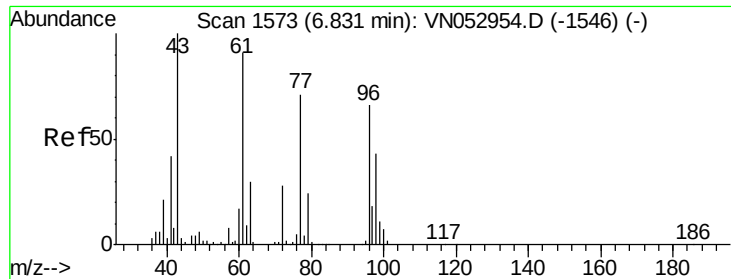
MMDadoda
 12/24/2018 9:32:41 AM



#24
 1,1-Dichloroethane
 Concen: 20.193 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion: 63 Resp: 403294
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.1 9.4
 100 4.1 2.0 5.8





#25

2-Butanone

Concen: 101.490 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

Tgt Ion: 43 Resp: 361455

Ion Ratio Lower Upper

43 100

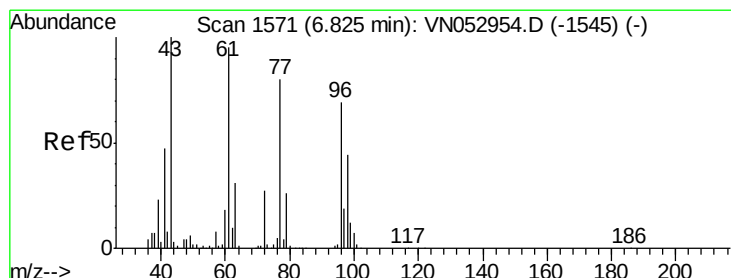
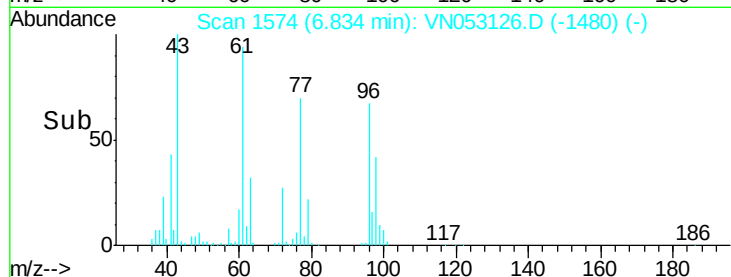
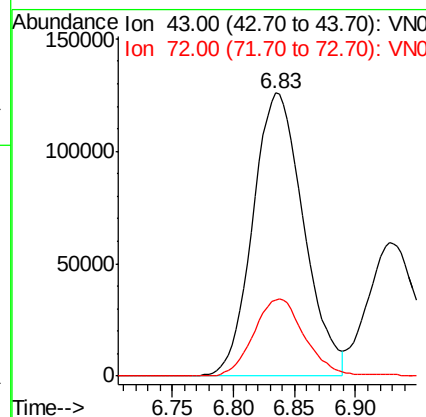
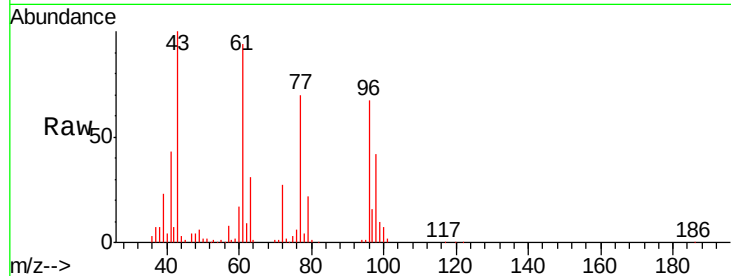
72 27.1 21.0 31.6

Manual Integrations

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MMDadoda

12/24/2018 9:32:41 AM



#26

2,2-Dichloropropane

Concen: 19.115 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053126.D

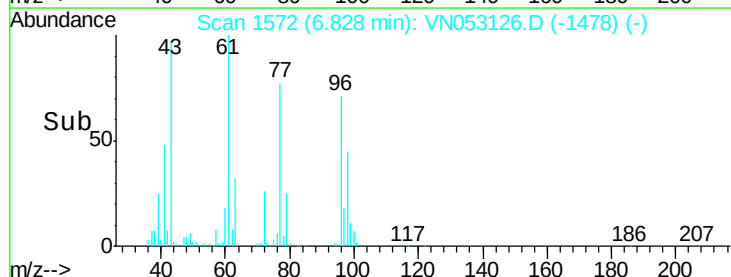
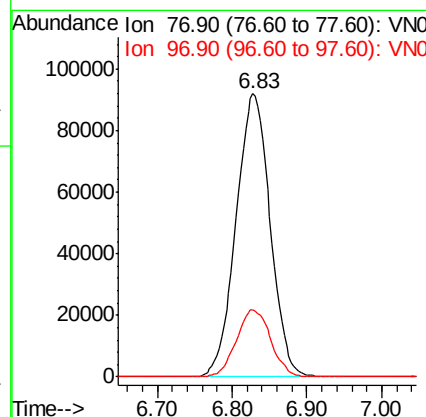
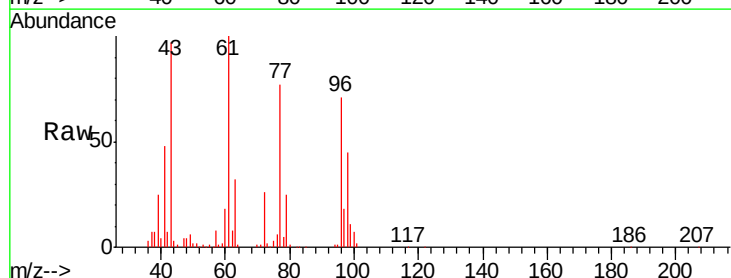
Acq: 22 Dec 2018 12:18

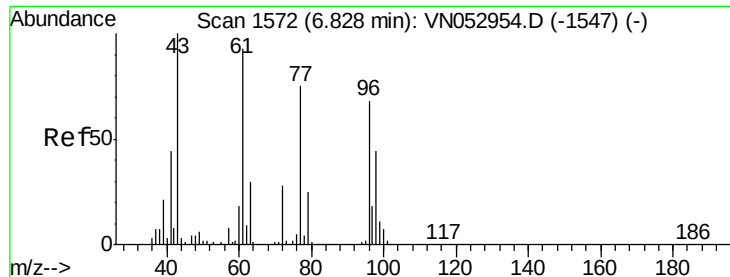
Tgt Ion: 77 Resp: 291430

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.804 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

Tgt Ion: 96 Resp: 244875

Ion Ratio Lower Upper

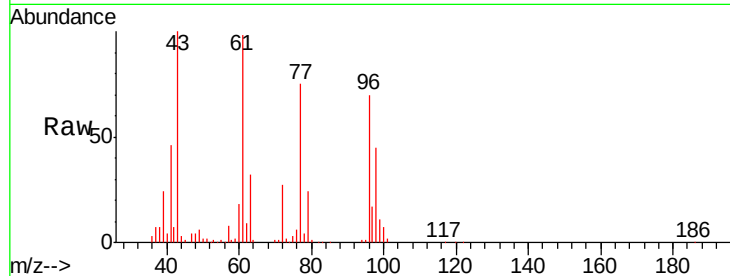
96 100

61 142.2 0.0 284.2

98 63.6 0.0 129.2

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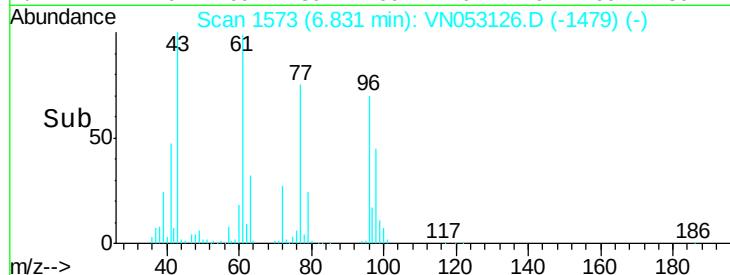


Abundance Ion 95.90 (95.60 to 96.60): VN053126.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053126.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053126.D (-1479) (-)

Time-->

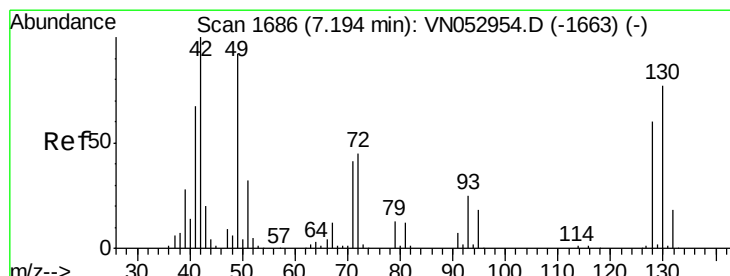


Abundance Ion 95.90 (95.60 to 96.60): VN053126.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053126.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053126.D (-1479) (-)

Time-->



#28

Bromochloromethane

Concen: 19.758 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

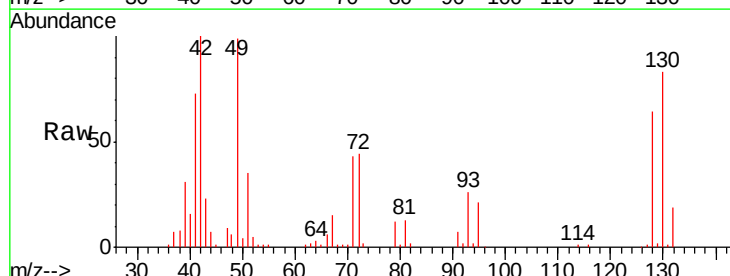
Tgt Ion: 49 Resp: 170992

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

130 82.9 63.3 94.9

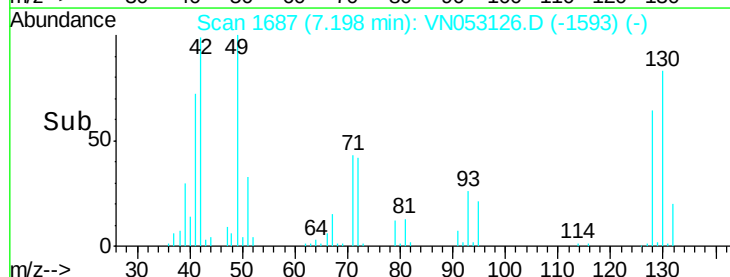


Abundance Ion 48.90 (48.60 to 49.60): VN053126.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053126.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053126.D (-1593) (-)

Time-->

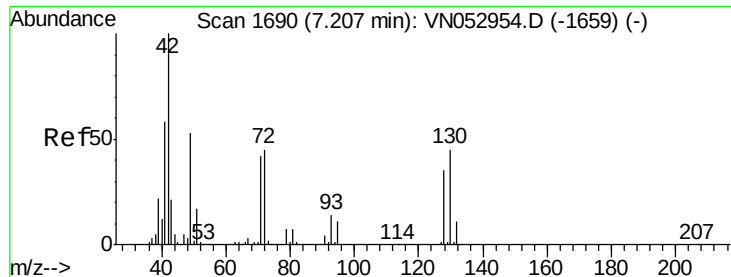


Abundance Ion 48.90 (48.60 to 49.60): VN053126.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053126.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053126.D (-1593) (-)

Time-->



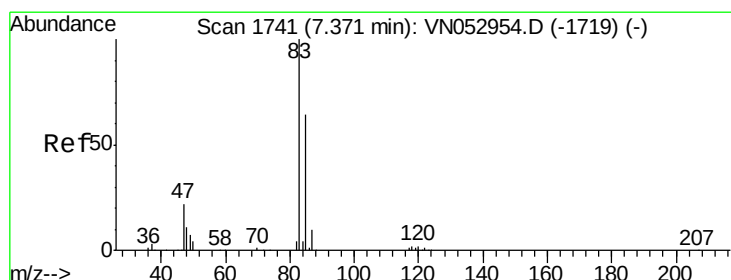
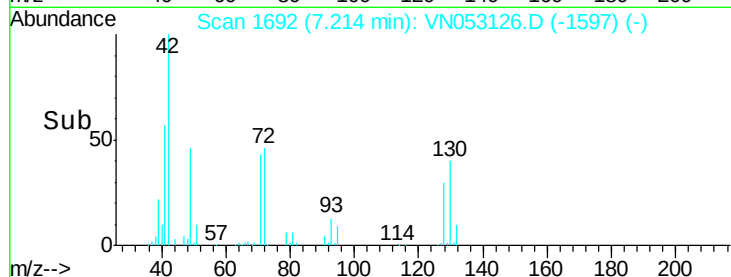
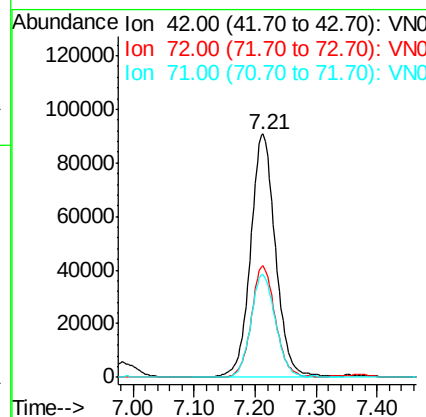
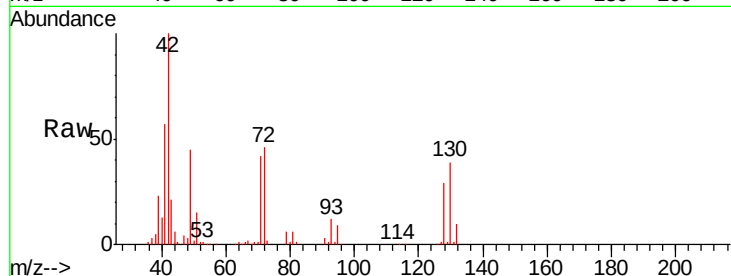
#29
Tetrahydrofuran
Concen: 96.842 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.7	52.1
71	41.6	32.3	48.5

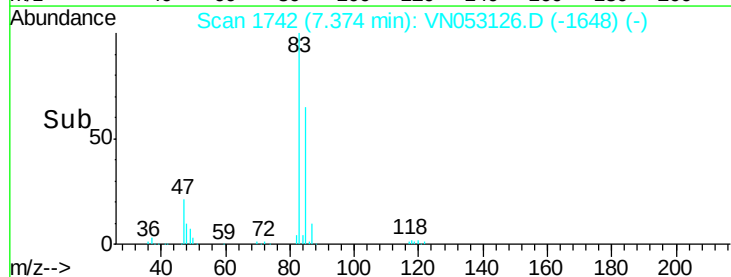
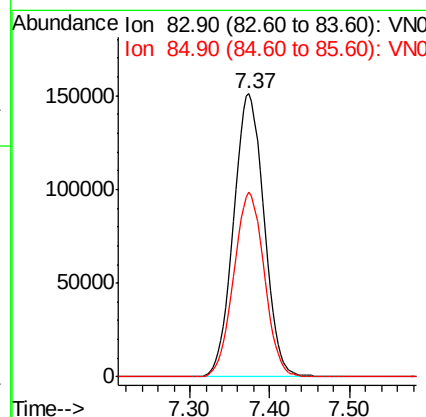
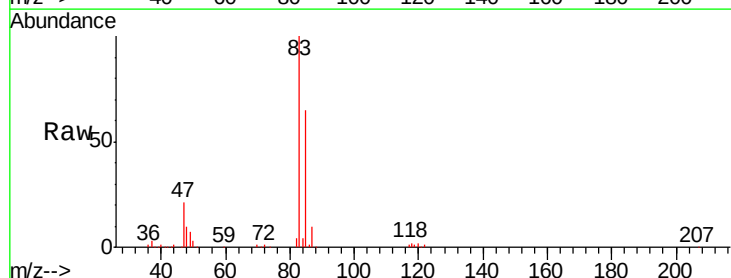
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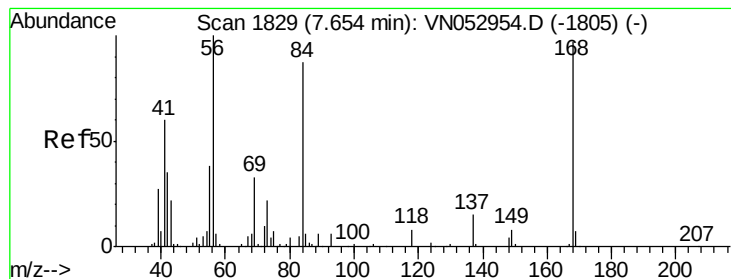
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12/24/2018 9:32:41 AM



#30
Chloroform
Concen: 19.925 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





#31

Cyclohexane

Concen: 19.399 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

Tgt Ion: 56 Resp: 375423
Ion Ratio Lower Upper

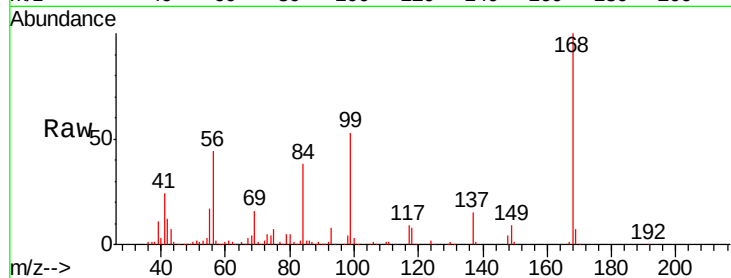
56 100

69 35.2 26.6 39.8

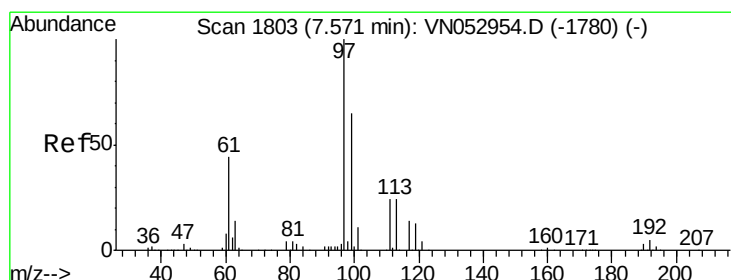
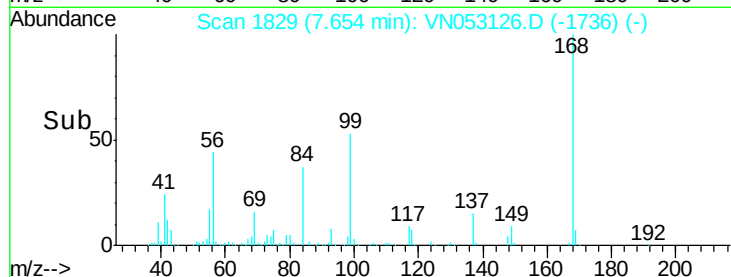
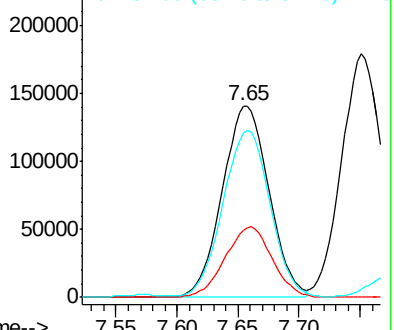
84 84.4 68.4 102.6

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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.443 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053126.D

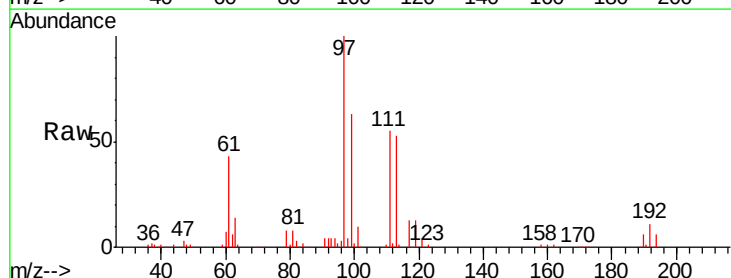
Acq: 22 Dec 2018 12:18

Tgt Ion: 97 Resp: 324957
Ion Ratio Lower Upper

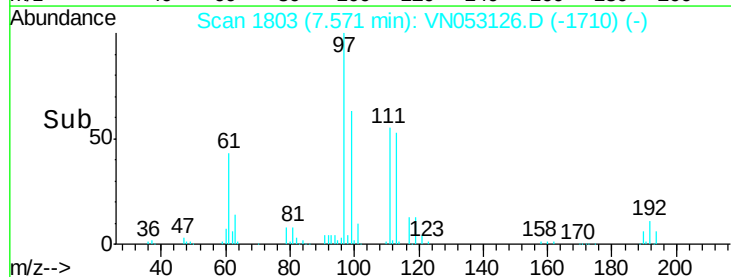
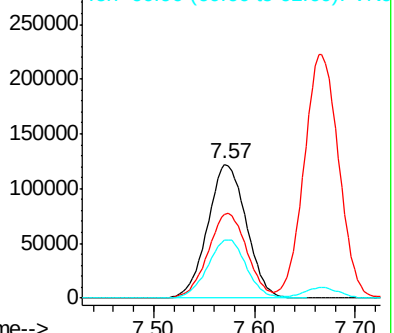
97 100

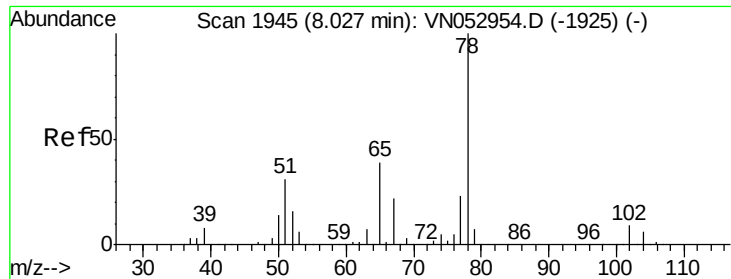
99 63.6 51.1 76.7

61 43.4 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





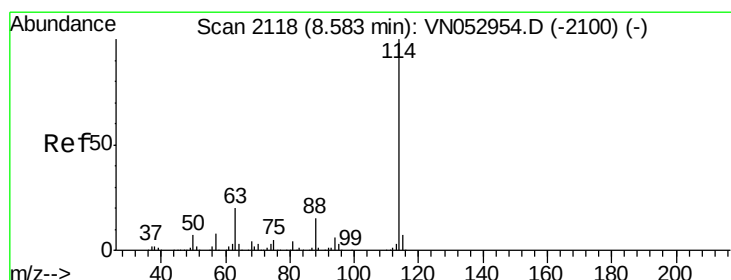
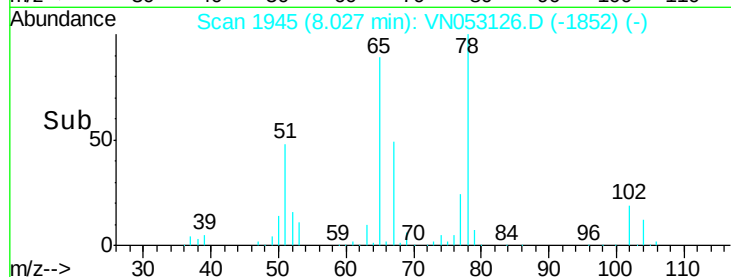
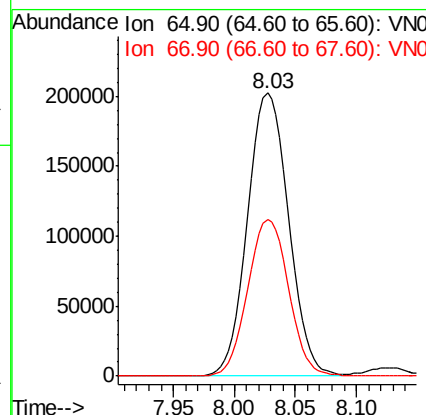
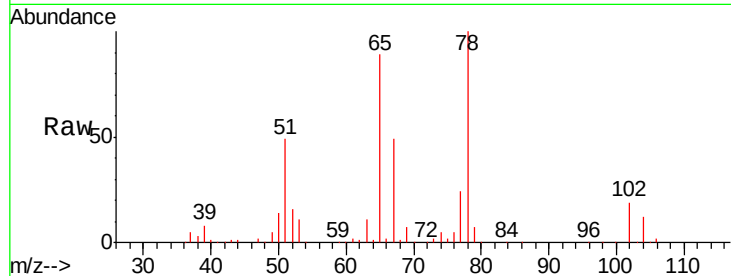
#33
 1,2-Dichloroethane-d4
 Concen: 19.443 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS01

Tgt Ion: 65 Resp: 473020
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4

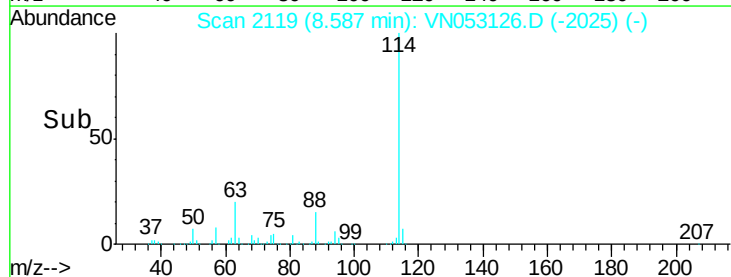
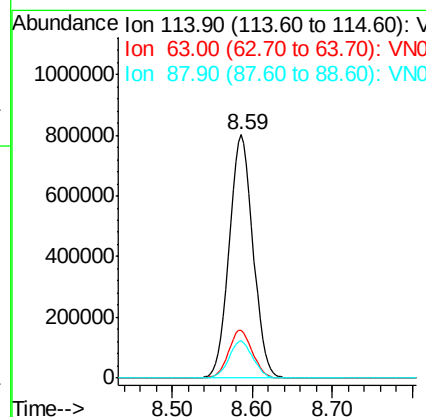
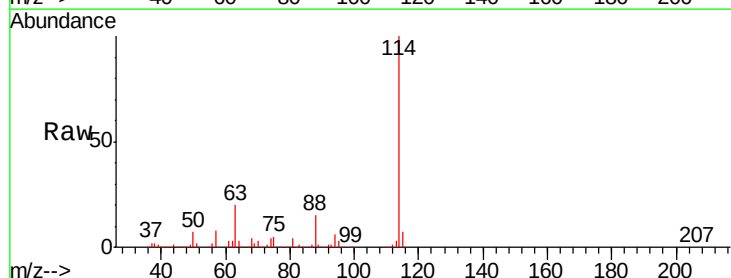
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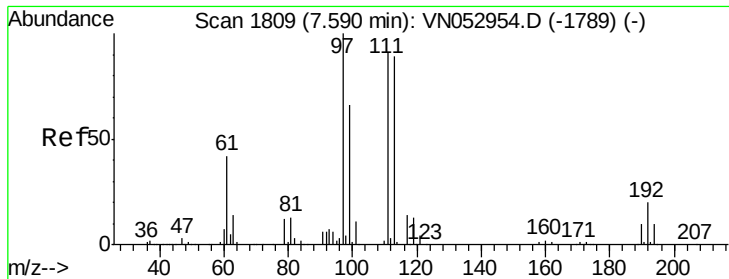
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 12/24/2018 9:32:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion: 114 Resp: 1630492
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

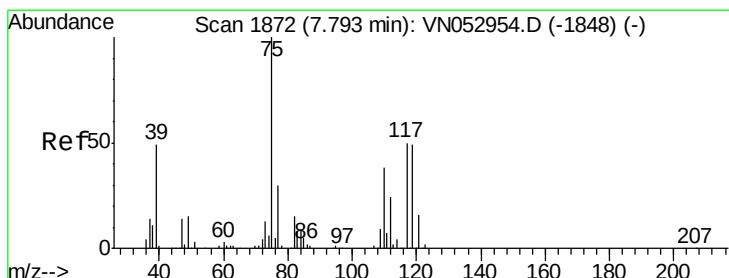
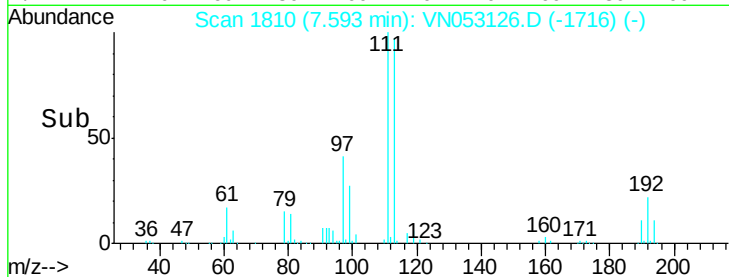
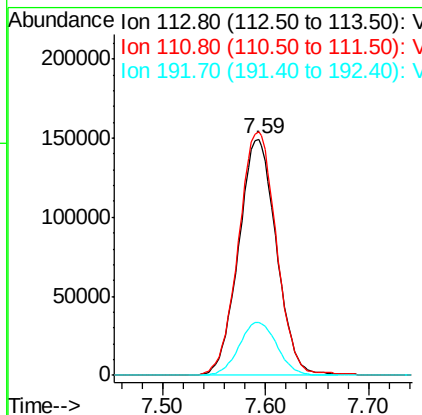
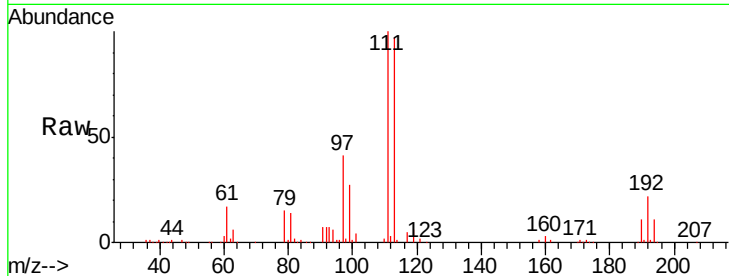
ClientSampleId :

VN1222MBS01

Tgt Ion:	113	Resp:	378930
Ion Ratio	Lower	Upper	
113	100		
111	104.2	83.0	124.4
192	22.7	17.5	26.3

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#36

1,1-Dichloropropene

Concen: 19.087 ug/l

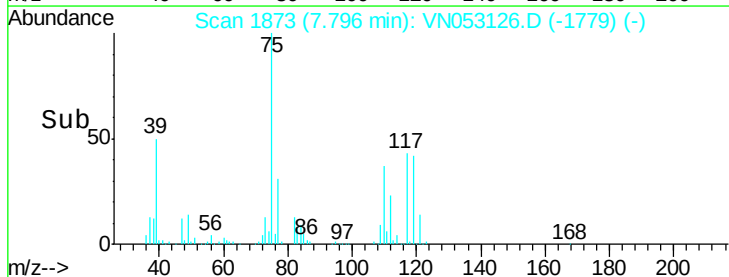
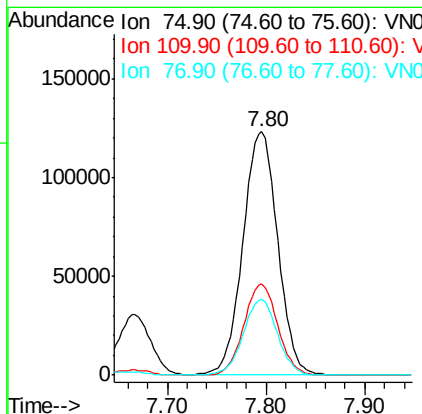
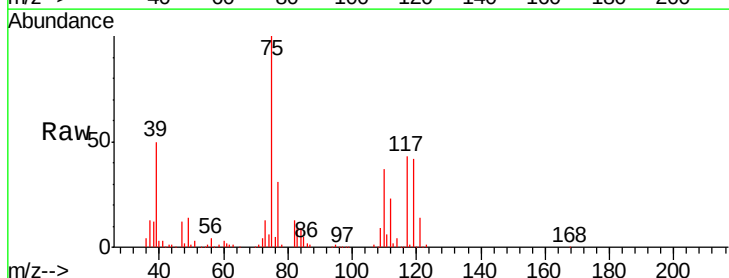
RT: 7.80 min Scan# 1873

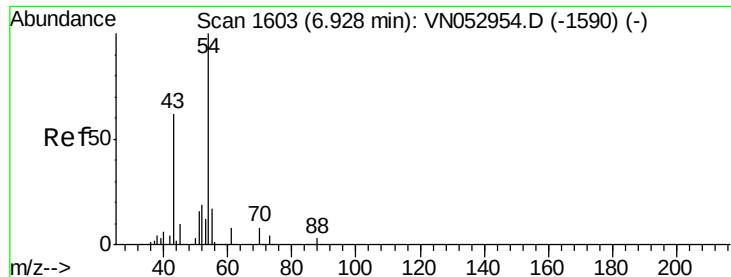
Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Tgt Ion:	75	Resp:	298716
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.2	54.6
77	30.9	24.9	37.3





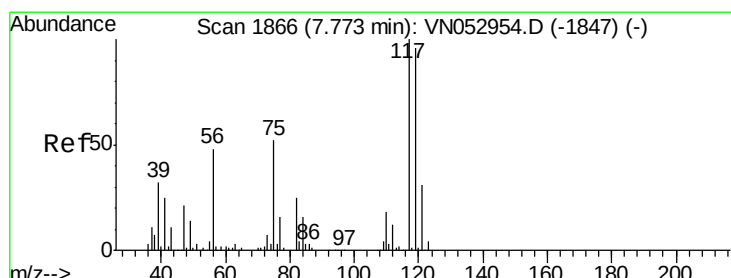
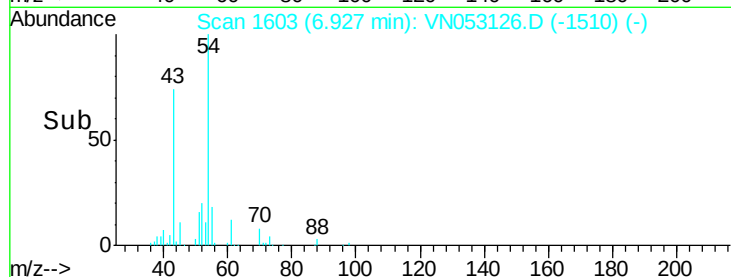
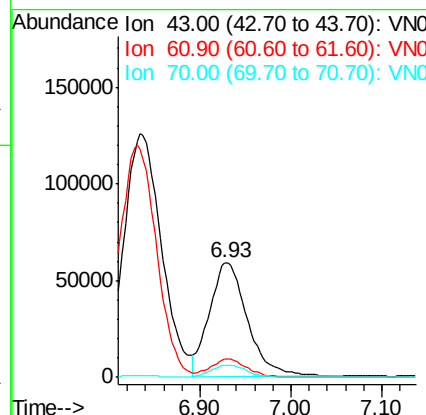
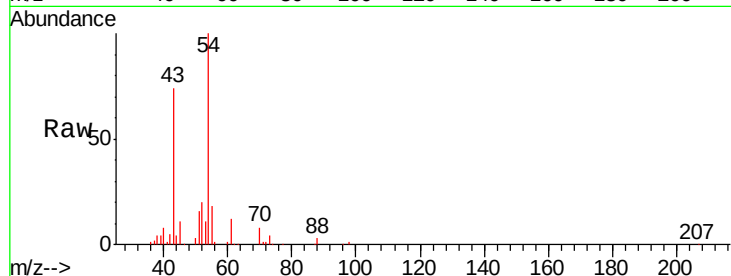
#37
Ethyl Acetate
Concen: 19.514 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.6
70	10.3	8.4	12.6

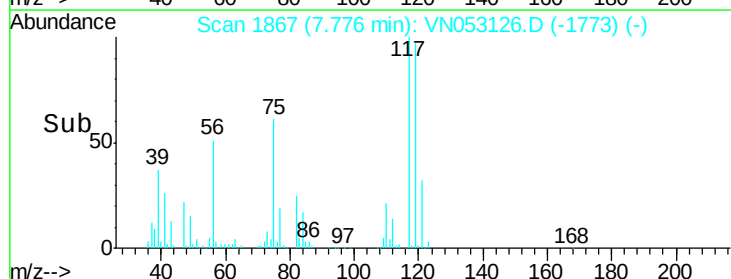
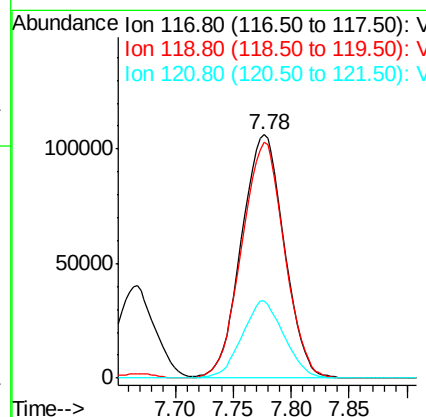
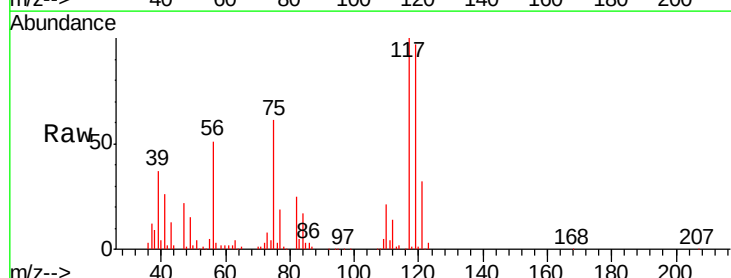
Manual Integrations
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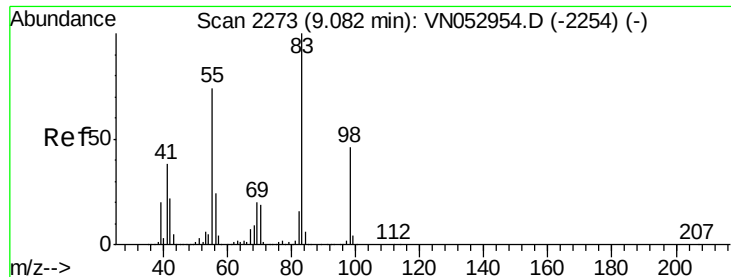
MMDadoda
12/24/2018 9:32:41 AM



#38
Carbon Tetrachloride
Concen: 18.925 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.1	115.7
121	31.8	24.9	37.3





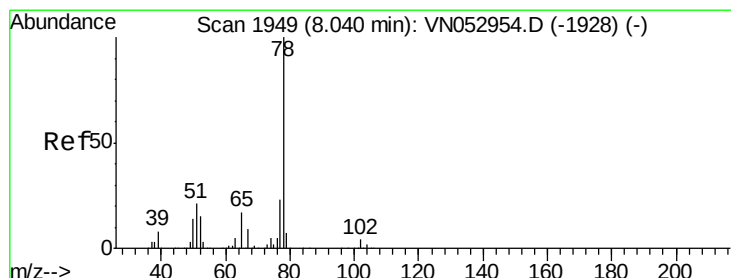
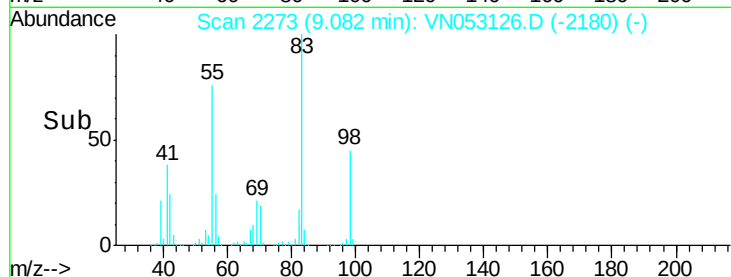
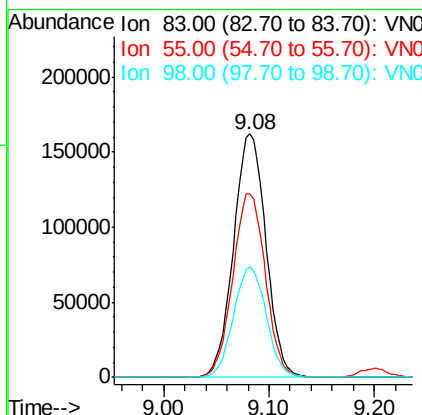
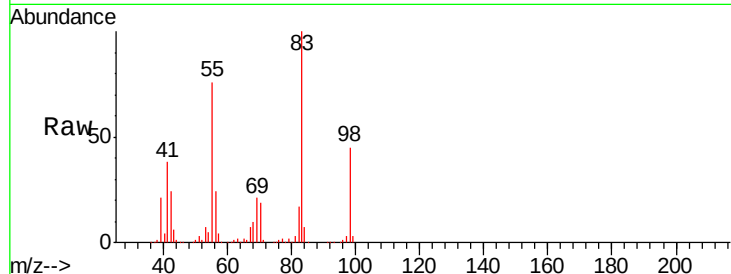
#39
Methylcyclohexane
Concen: 18.195 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.6	61.3	91.9
98	45.2	37.0	55.4

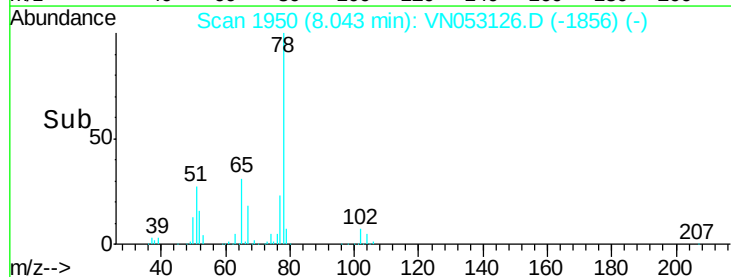
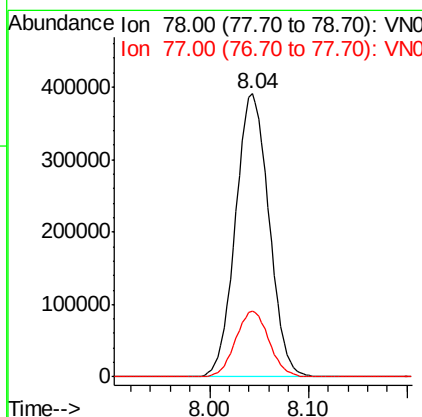
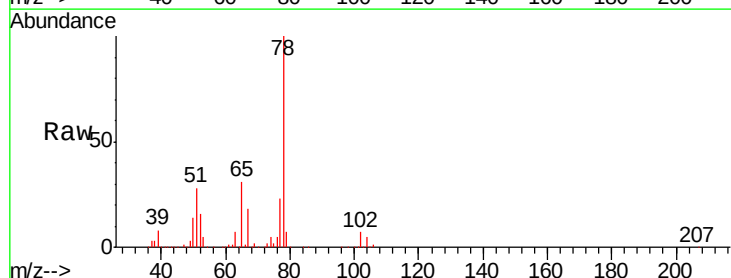
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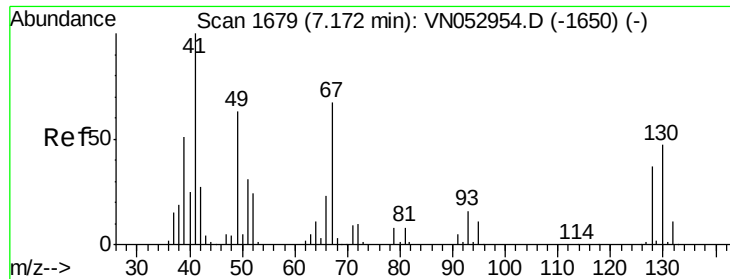
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#40
Benzene
Concen: 19.778 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7





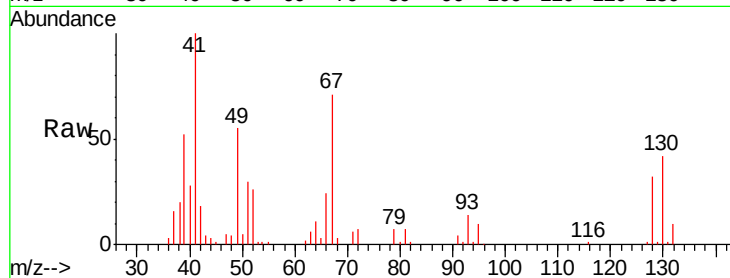
#41
Methacrylonitrile
Concen: 21.091 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

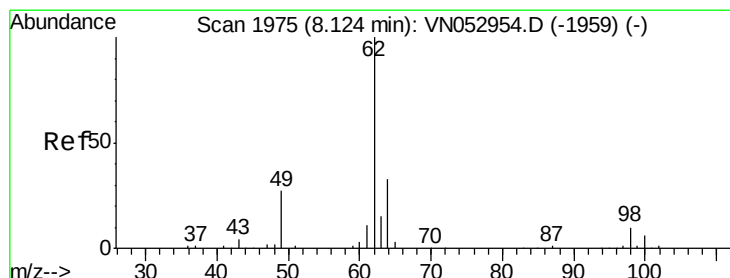
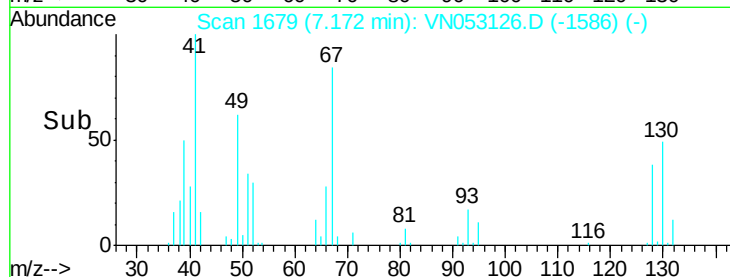
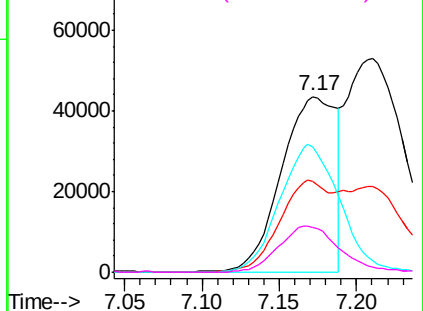
Tgt Ion	Ratio	Lower	Upper
41	100		
39	48.2	48.0	72.0
67	80.3	70.3	105.5
52	30.0	26.9	40.3

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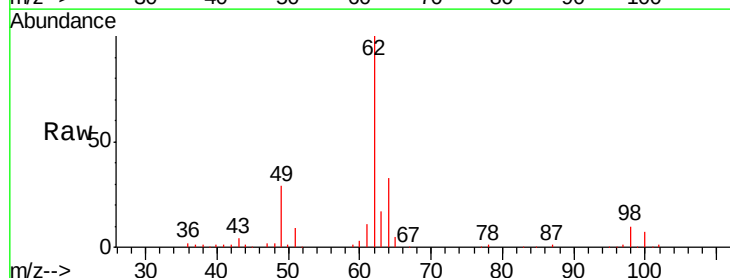


Abundance Ion 41.00 (40.70 to 41.70): VN052954.D (-1650) (-)

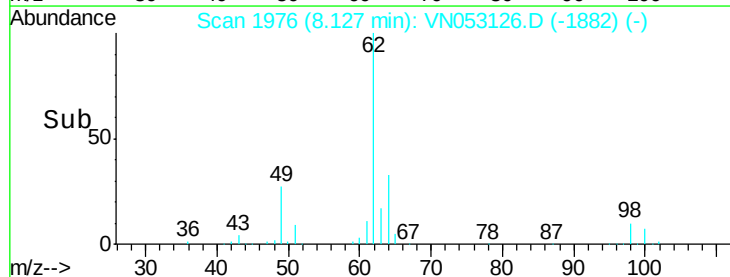
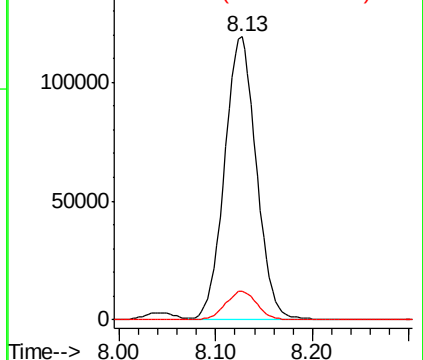


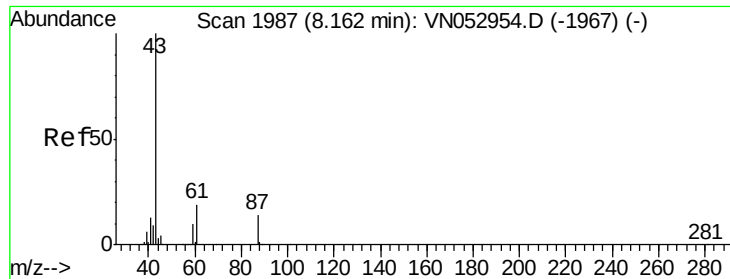
#42
1,2-Dichloroethane
Concen: 19.714 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VN052954.D (-1959) (-)





#43

Isopropyl Acetate

Concen: 18.418 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

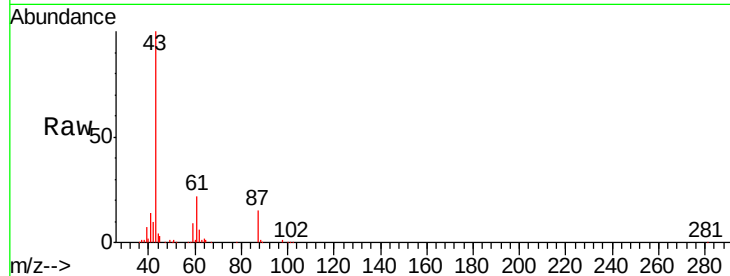
ClientSampleId :

VN1222MBS01

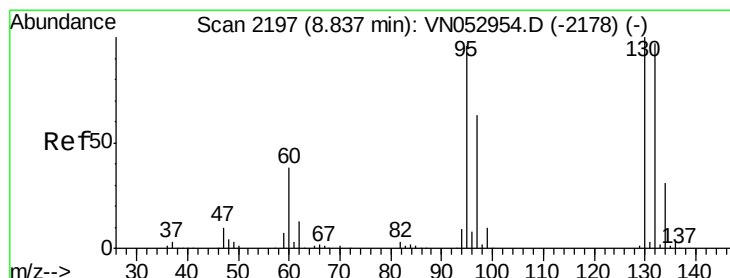
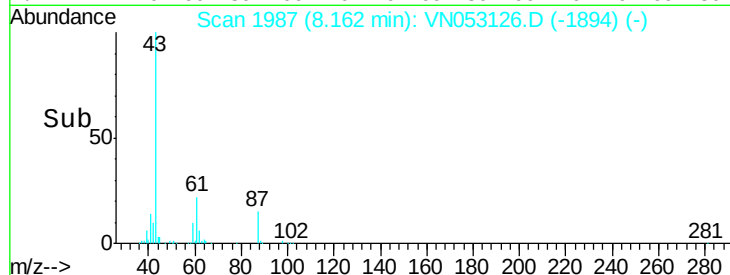
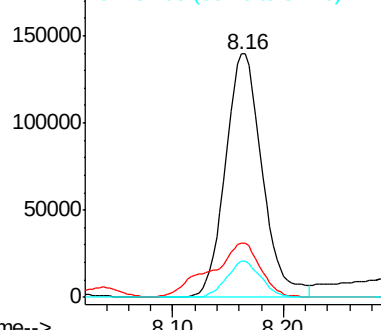
Tgt Ion:	43	Resp:	322547
Ion Ratio	Lower	Upper	
43	100		
61	29.7	22.9	34.3
87	13.8	10.6	15.8

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)



#44

Trichloroethene

Concen: 18.584 ug/l

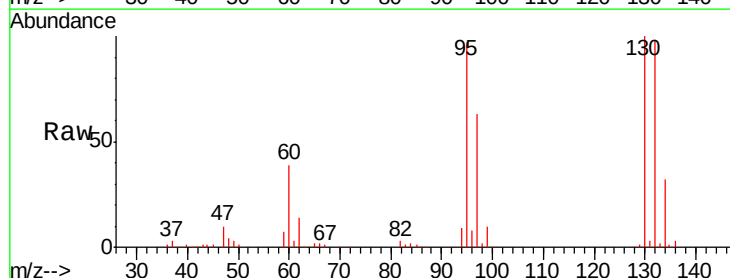
RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

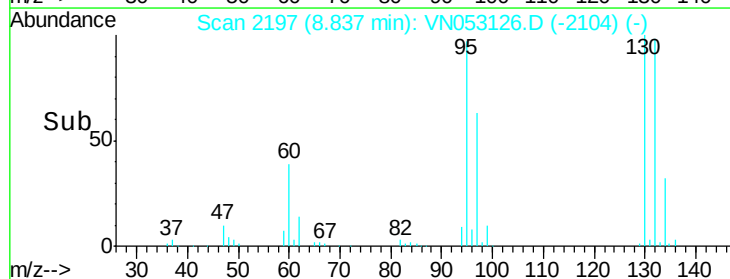
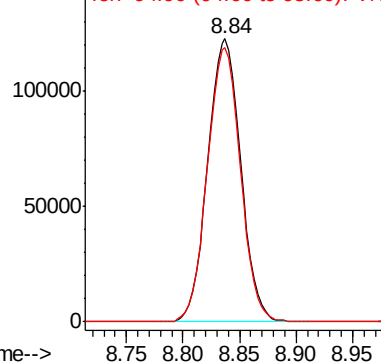
Lab File: VN053126.D

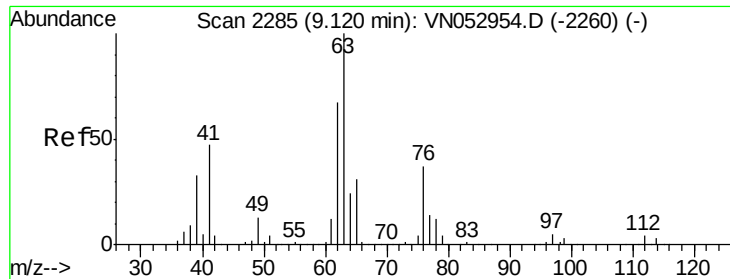
Acq: 22 Dec 2018 12:18

Tgt Ion:	130	Resp:	250221
Ion Ratio	Lower	Upper	
130	100		
95	96.9	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)





#45

1,2-Dichloropropane

Concen: 20.263 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

Tgt Ion: 63 Resp: 245688

Ion Ratio Lower Upper

63 100

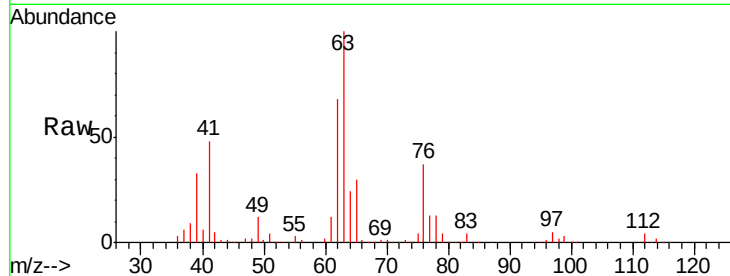
65 30.3 24.6 37.0

Manual Integrations

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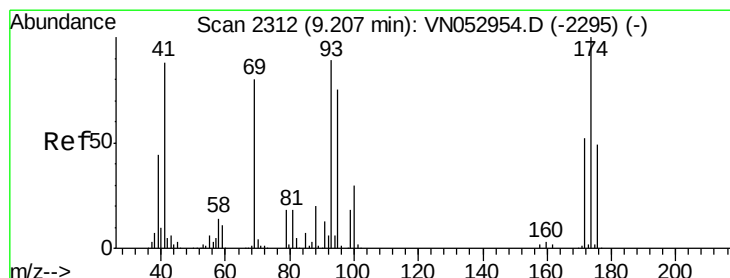
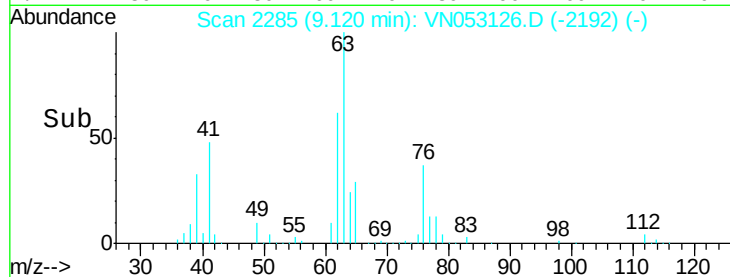
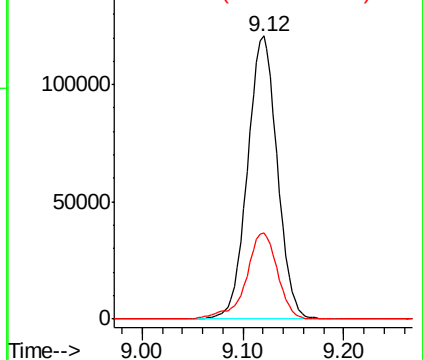
MMDadoda

12/24/2018 9:32:41 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.308 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

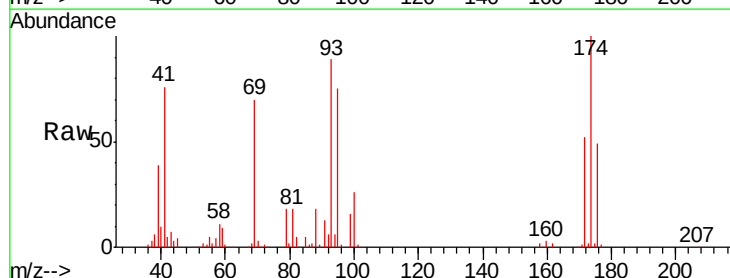
Tgt Ion: 93 Resp: 136376

Ion Ratio Lower Upper

93 100

95 84.4 67.8 101.6

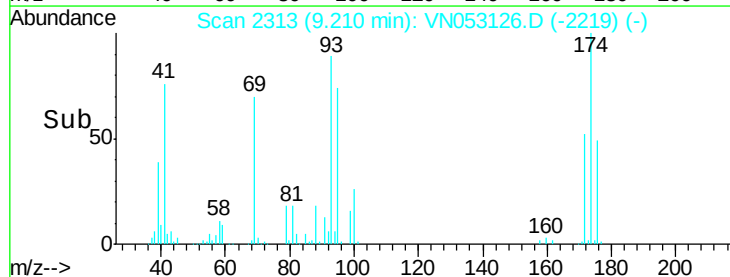
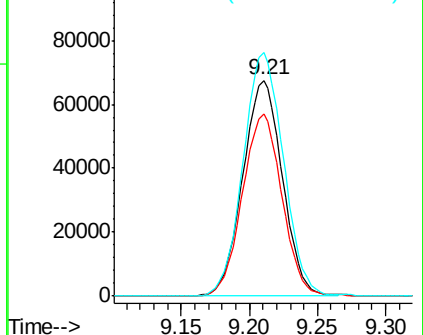
174 115.2 89.0 133.4

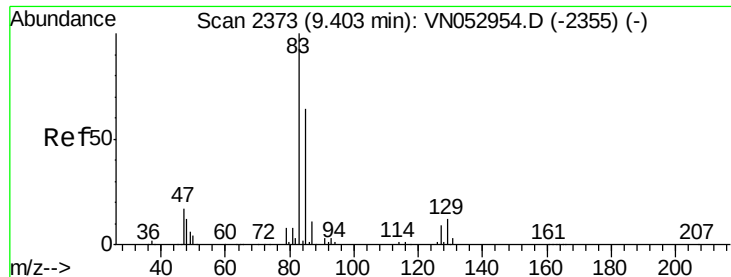


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.536 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

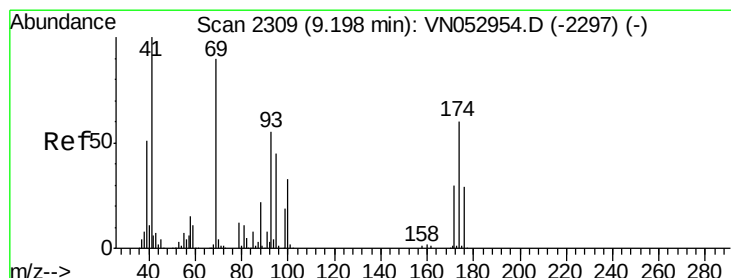
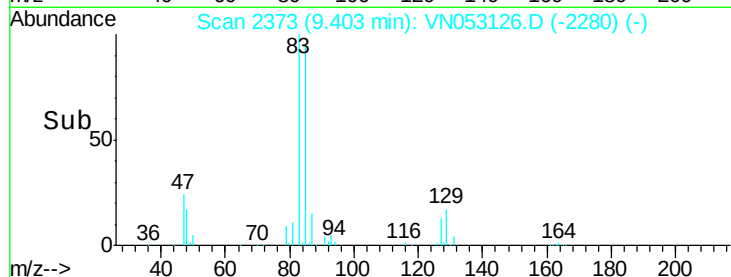
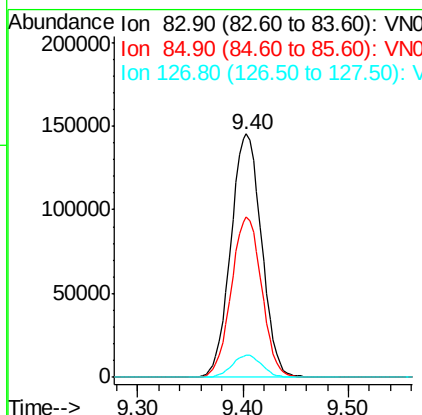
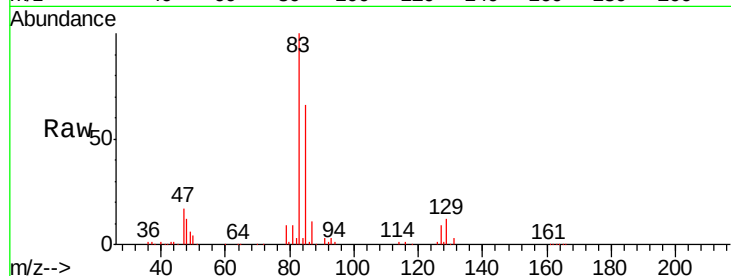
ClientSampleId :

VN1222MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.6	77.4
127	9.1	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.650 ug/l

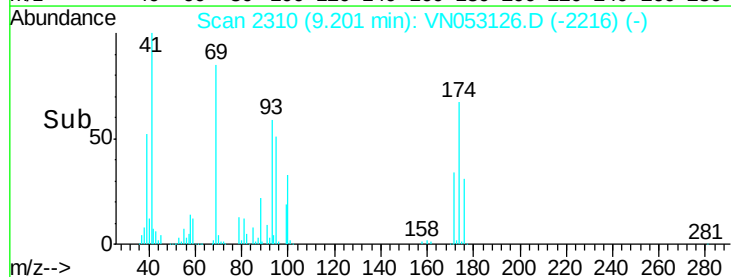
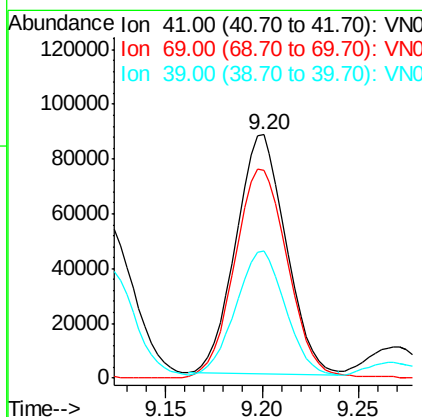
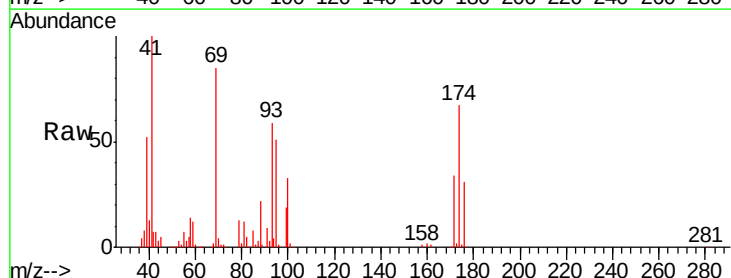
RT: 9.20 min Scan# 2310

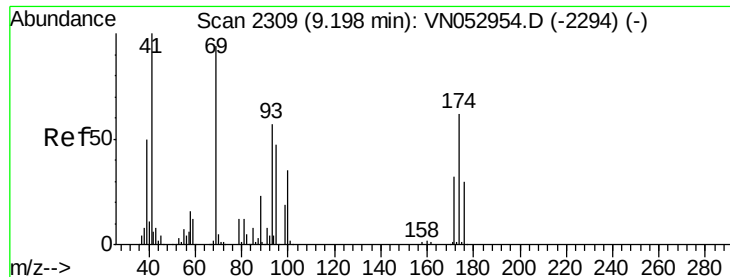
Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.8	72.2	108.2
39	53.8	41.9	62.9





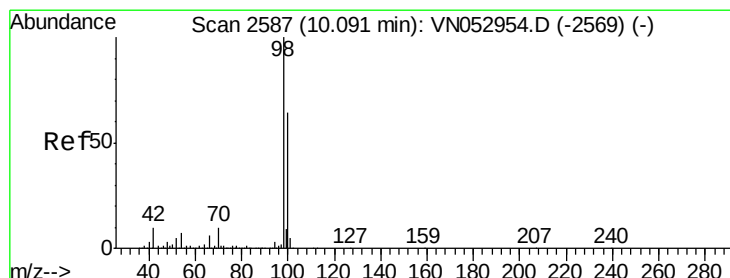
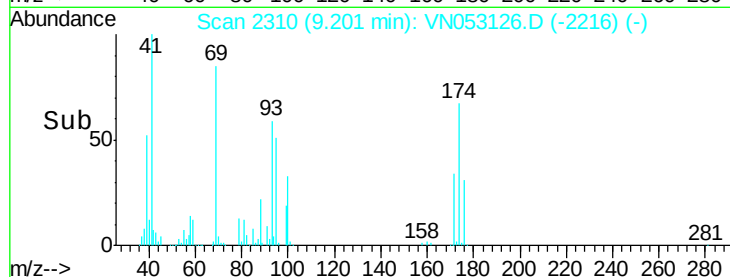
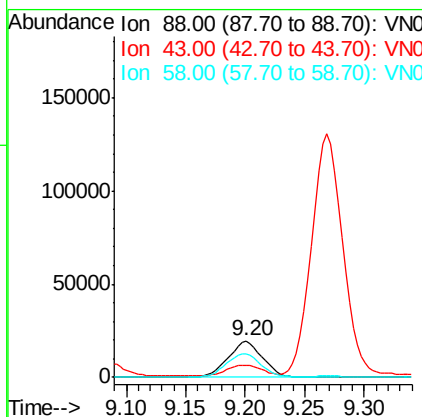
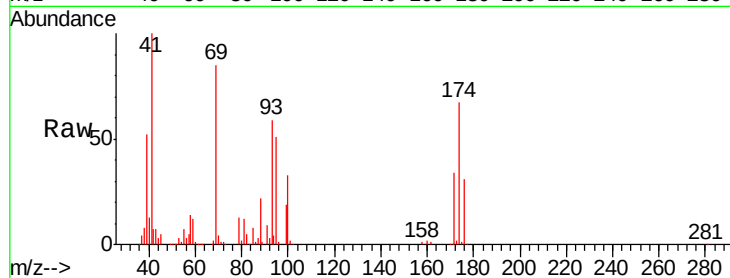
#49
1,4-Dioxane
Concen: 362.527 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Tgt Ion: 88 Resp: 38877
Ion Ratio Lower Upper
88 100
43 32.3 26.6 40.0
58 66.9 58.4 87.6

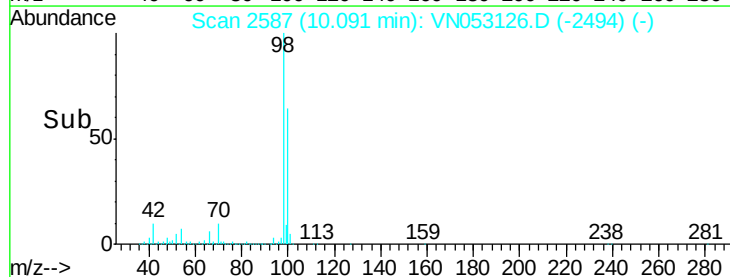
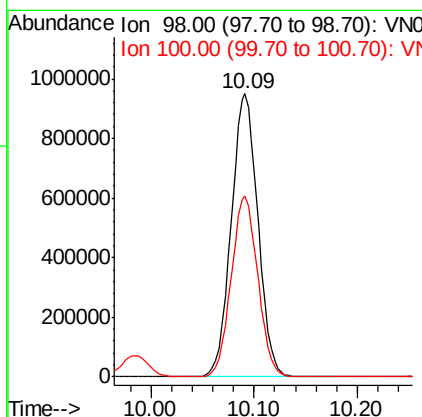
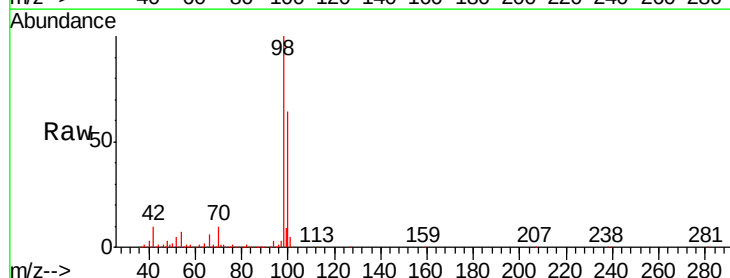
Manual Integrations
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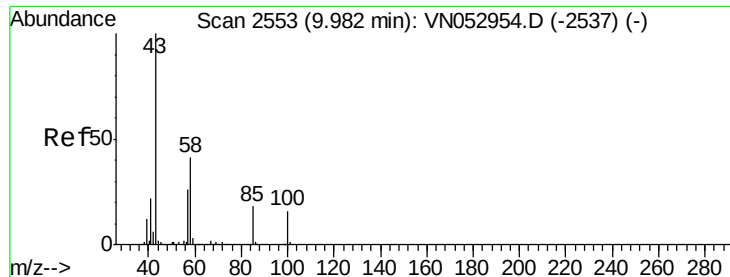
MMDadoda
12/24/2018 9:32:41 AM



#50
Toluene-d8
Concen: 362.527 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion: 98 Resp: 1708580
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4





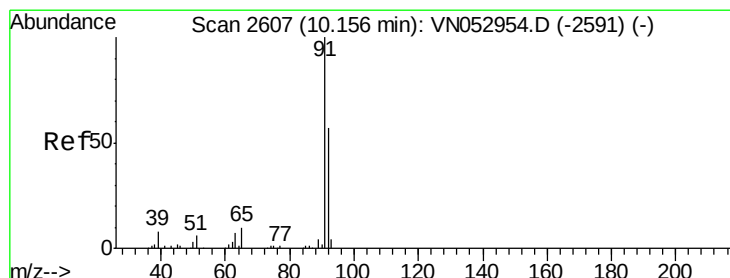
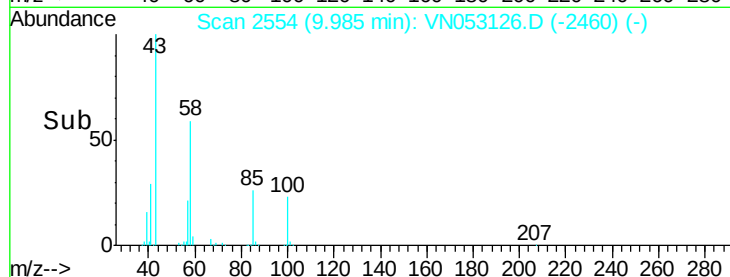
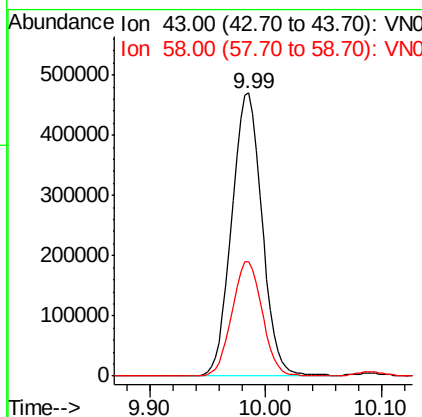
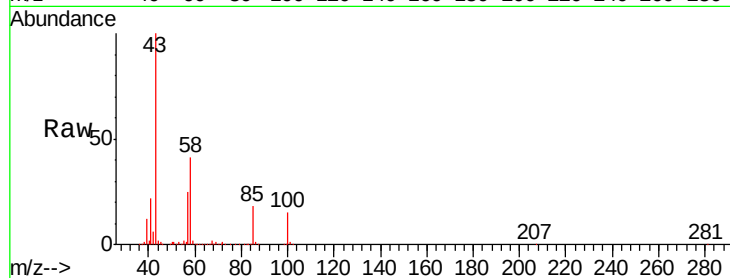
#51
 4-Methyl-2-Pentanone
 Concen: 100.056 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS01

Tgt Ion: 43 Resp: 846536
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.2 48.4

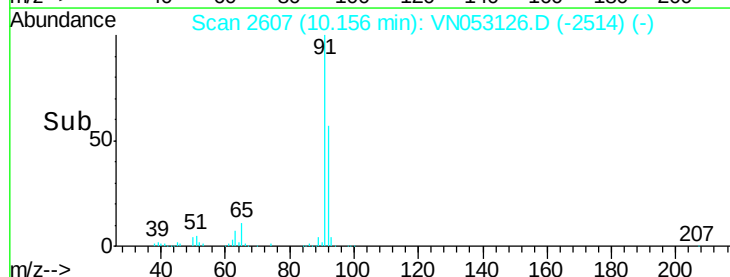
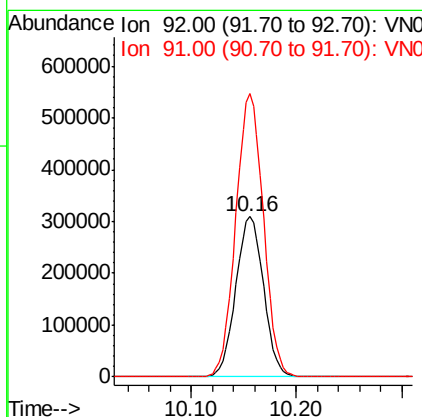
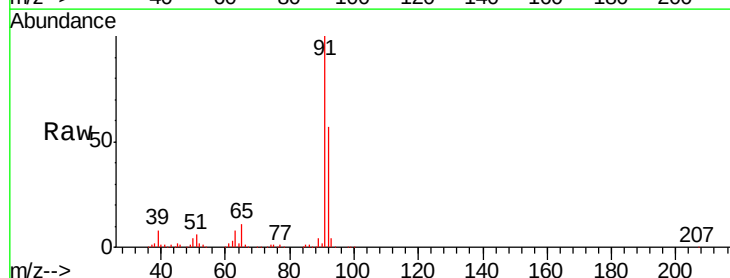
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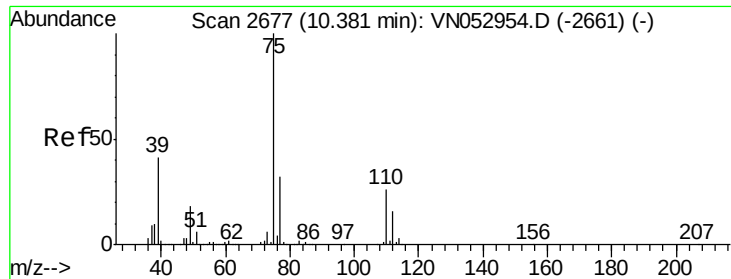
MMDadoda
 12/24/2018 9:32:41 AM



#52
 Toluene
 Concen: 19.508 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion: 92 Resp: 562868
 Ion Ratio Lower Upper
 92 100
 91 176.6 139.8 209.6





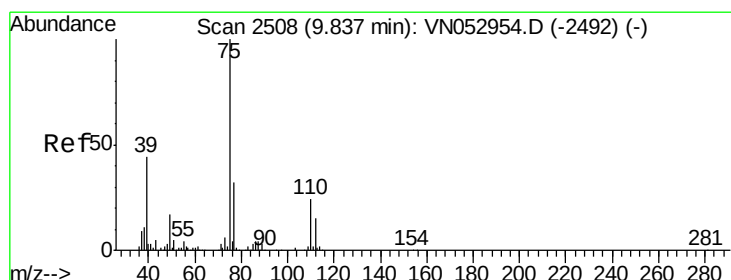
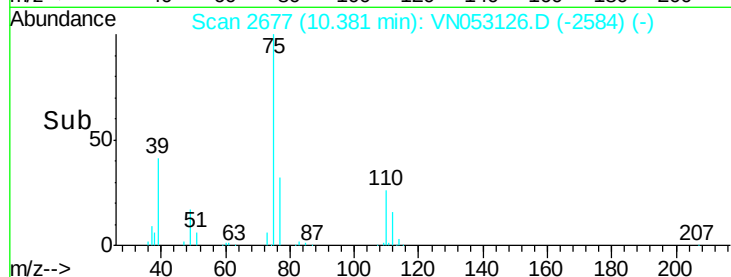
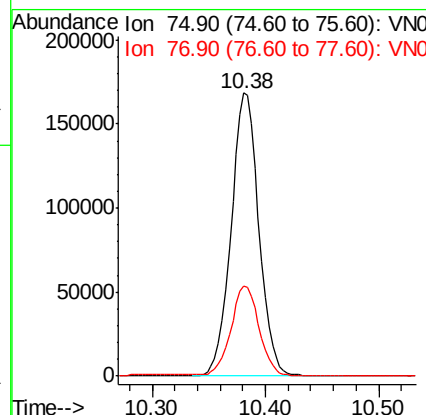
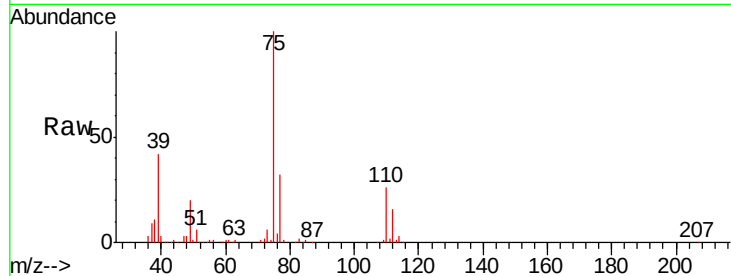
#53
t-1,3-Dichloropropene
Concen: 18.147 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4

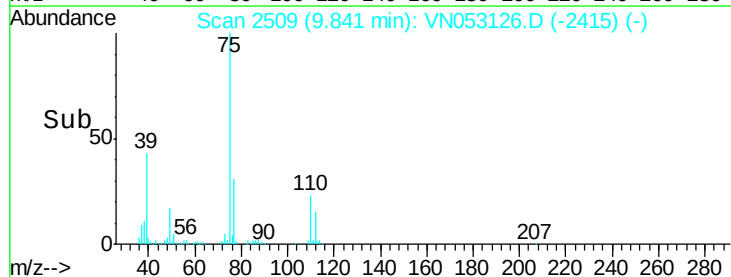
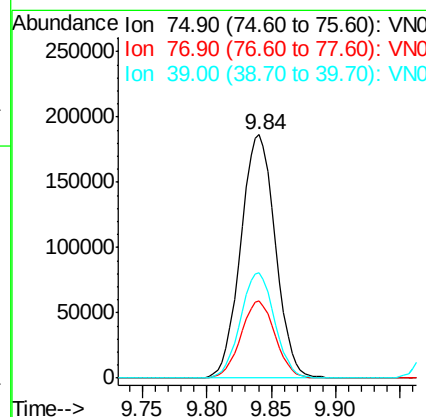
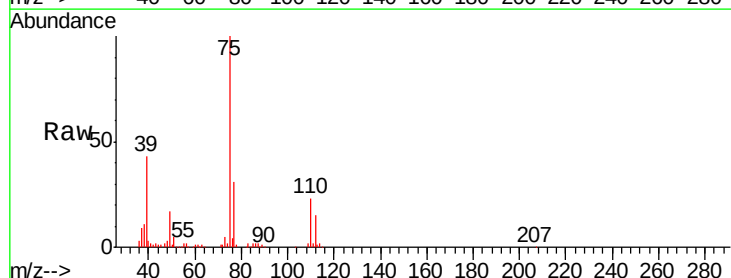
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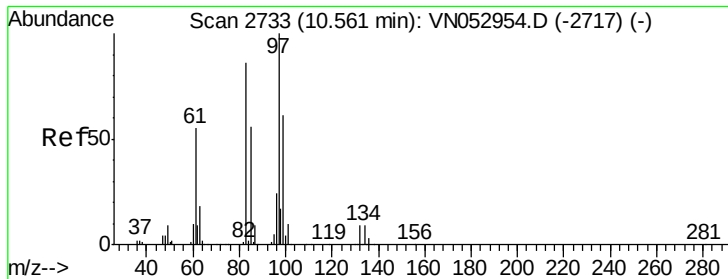
MMDadoda
12/24/2018 9:32:41 AM



#54
cis-1,3-Dichloropropene
Concen: 19.246 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.8
39	43.3	34.8	52.2





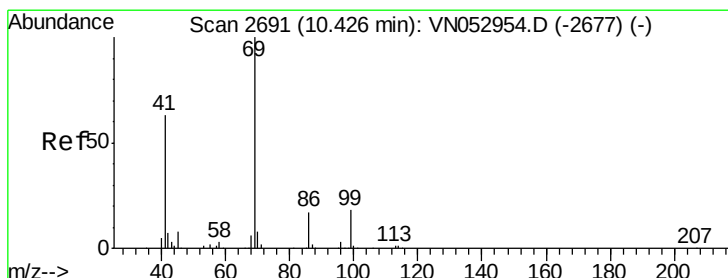
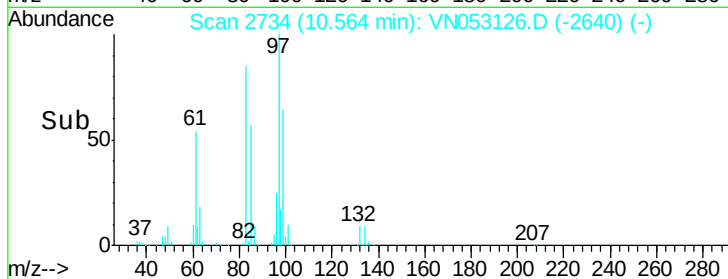
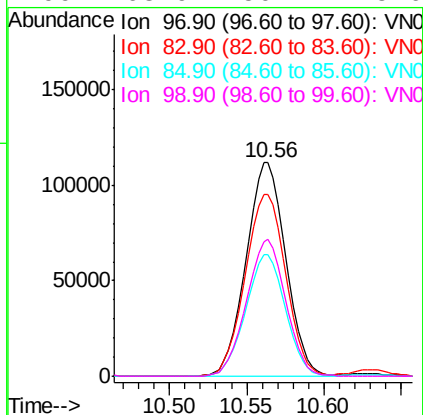
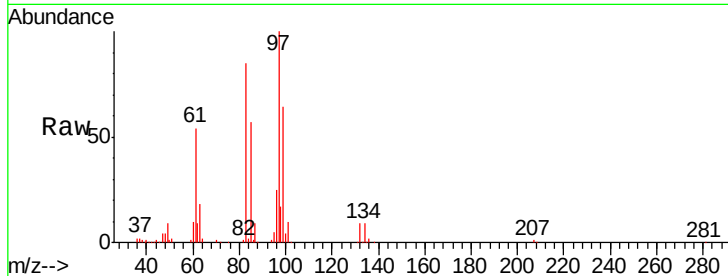
#55
 1,1,2-Trichloroethane
 Concen: 19.887 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.9	106.3
85	56.7	45.4	68.2
99	63.9	50.4	75.6

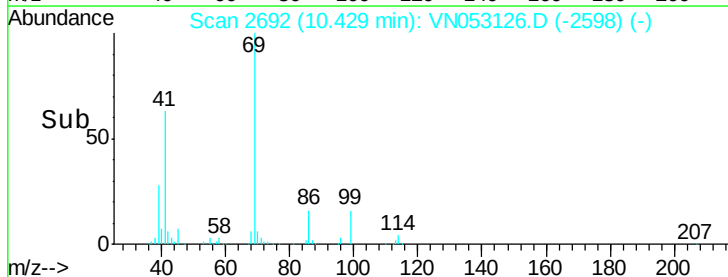
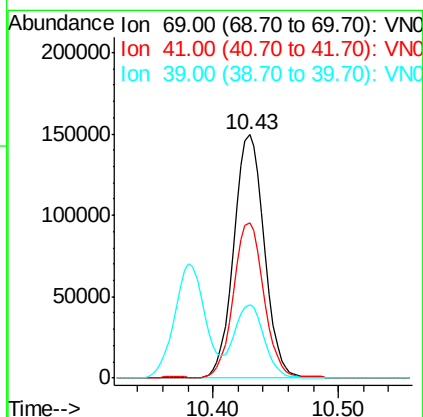
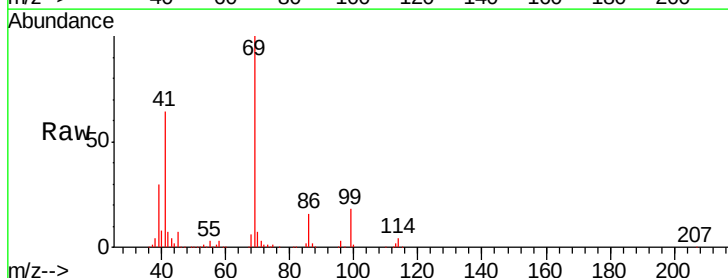
Manual Integrations
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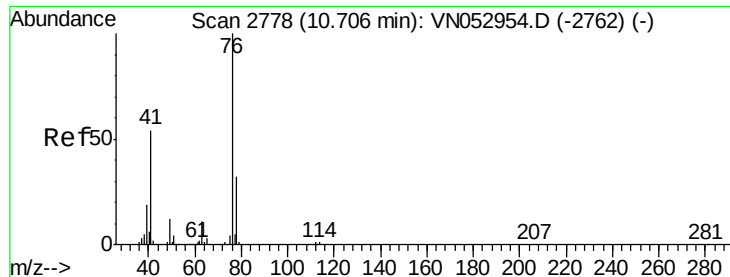
MMDadoda
 12/24/2018 9:32:41 AM



#56
 Ethyl methacrylate
 Concen: 19.008 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.7	77.5
39	29.4	24.6	37.0





#57

1,3-Dichloropropane

Concen: 19.900 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

Tgt Ion: 76 Resp: 343508

Ion Ratio Lower Upper

76 100

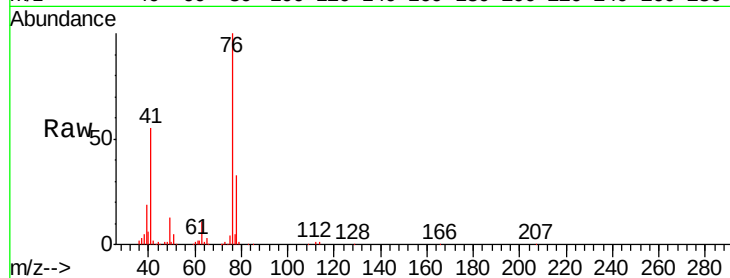
78 32.1 25.8 38.8

Manual Integrations

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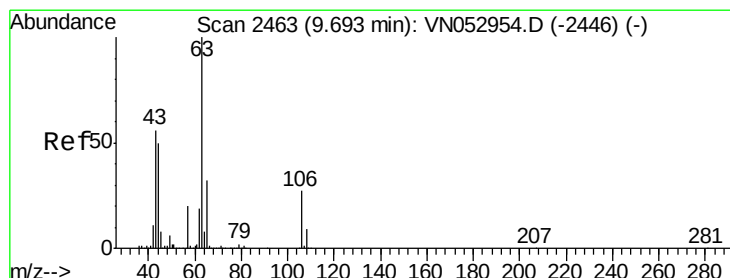
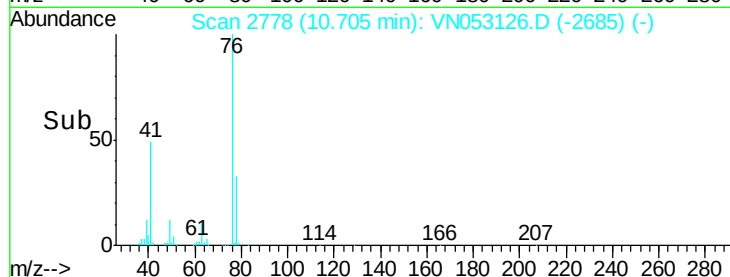
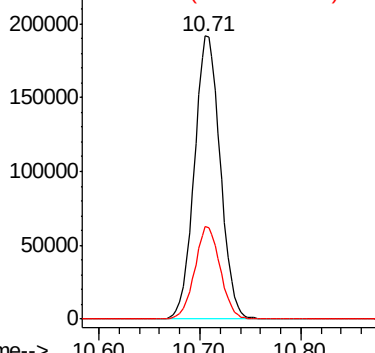
MMDadoda

12/24/2018 9:32:41 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 99.983 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053126.D

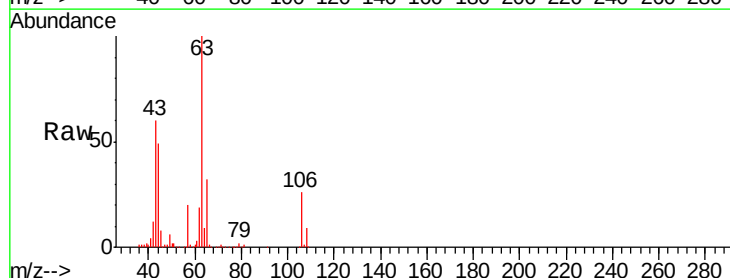
Acq: 22 Dec 2018 12:18

Tgt Ion: 63 Resp: 731322

Ion Ratio Lower Upper

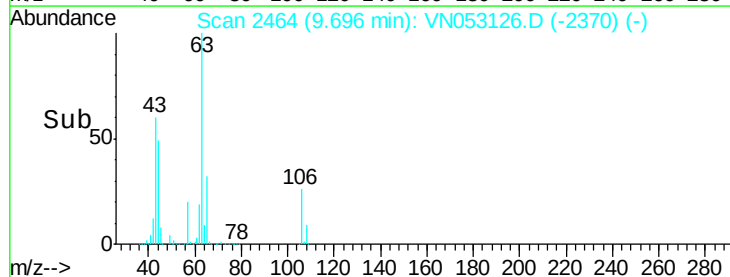
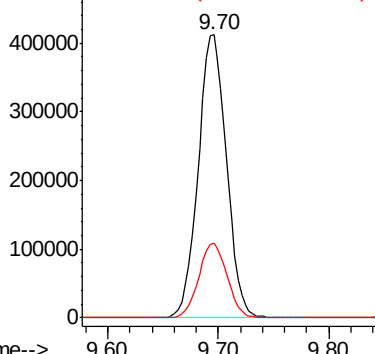
63 100

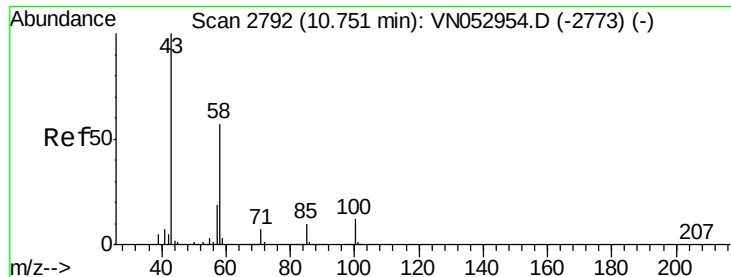
106 26.6 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 97.127 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

Tgt Ion: 43 Resp: 555984

Ion Ratio Lower Upper

43 100

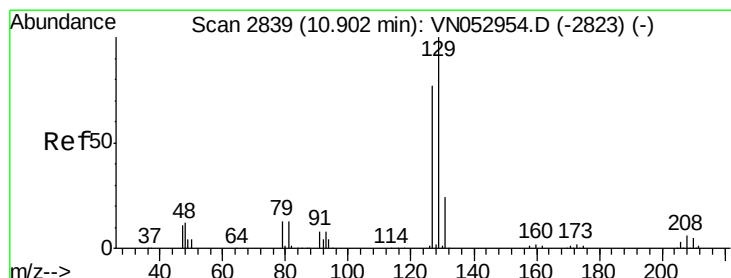
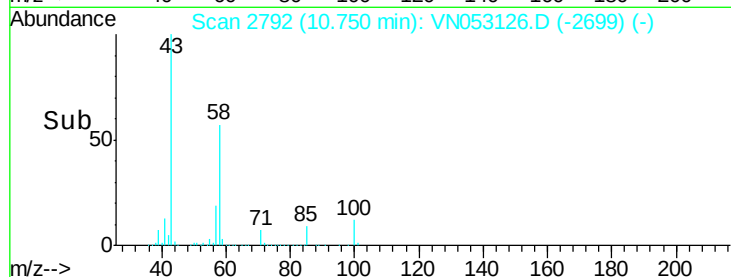
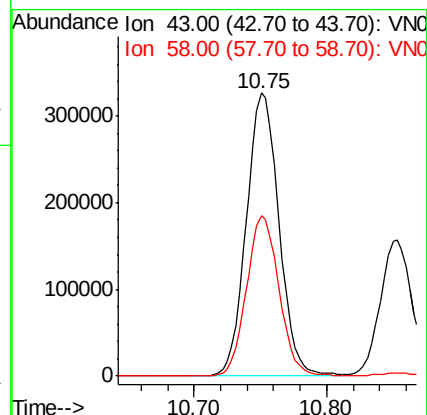
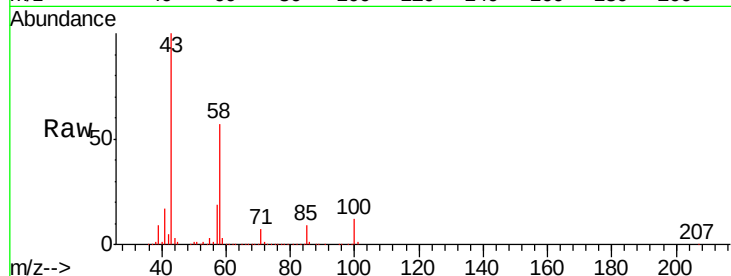
58 56.8 28.1 84.3

Manual Integrations

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12/24/2018 9:32:41 AM



#60

Dibromochloromethane

Concen: 18.574 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053126.D

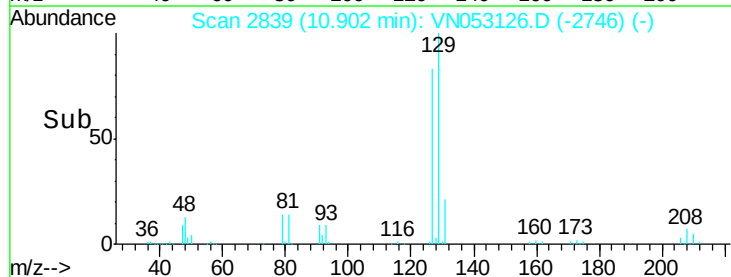
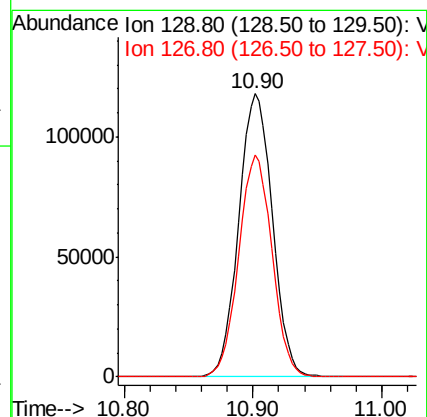
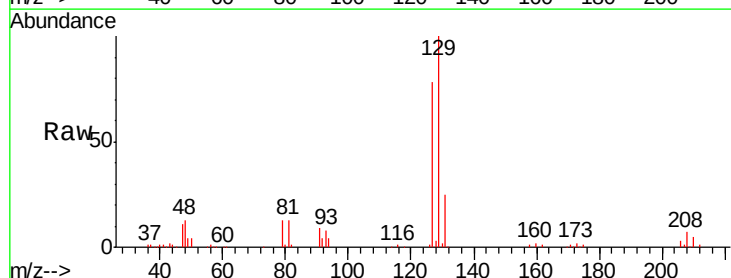
Acq: 22 Dec 2018 12:18

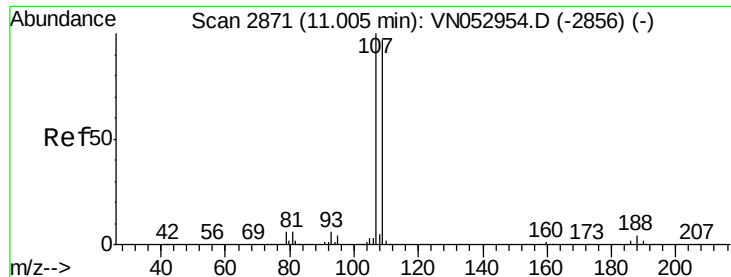
Tgt Ion: 129 Resp: 214012

Ion Ratio Lower Upper

129 100

127 77.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.158 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

Tgt Ion: 107 Resp: 195852

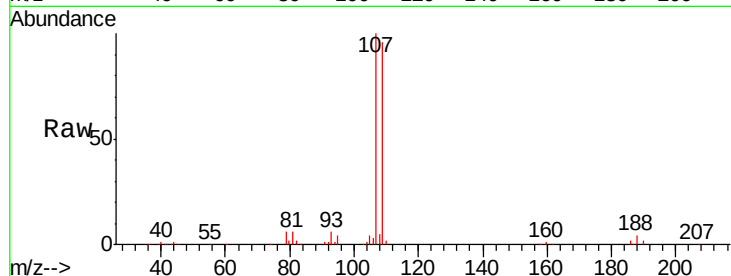
Ion Ratio Lower Upper

107 100

109 94.2 75.4 113.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

120000

100000

80000

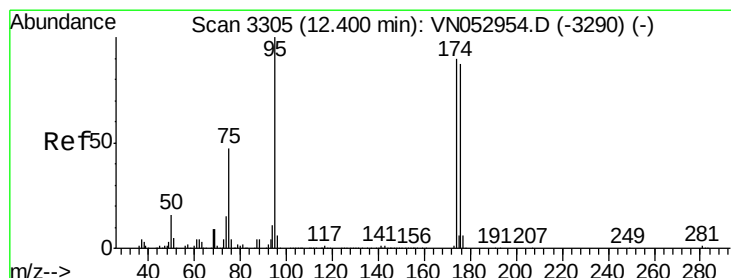
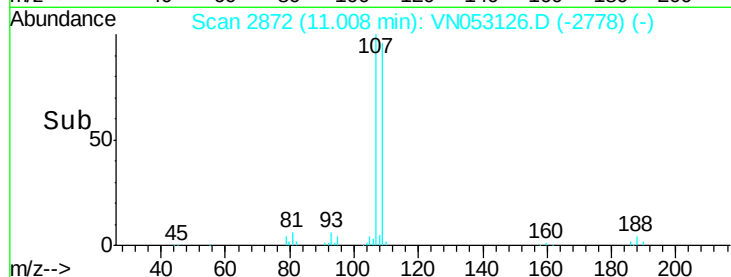
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 19.158 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

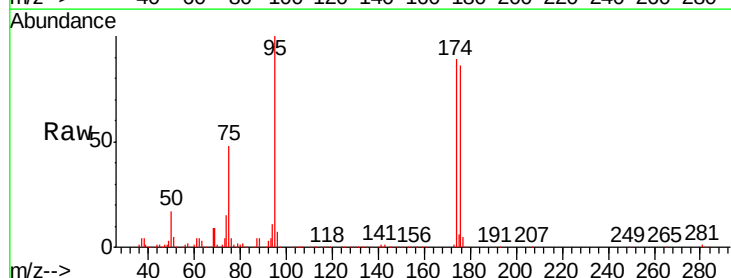
Tgt Ion: 95 Resp: 555981

Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.8

176 87.5 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

400000

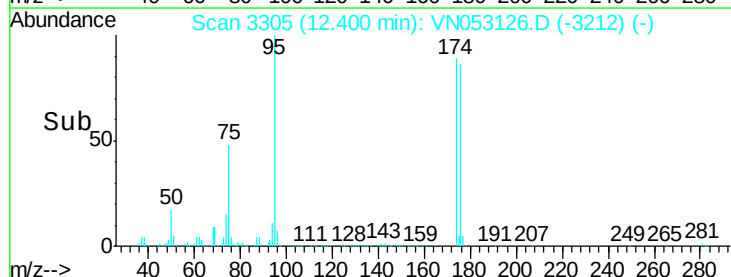
300000

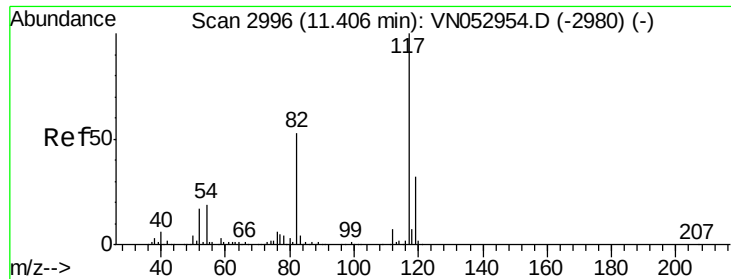
200000

100000

0

Time--> 12.30 12.35 12.40 12.45





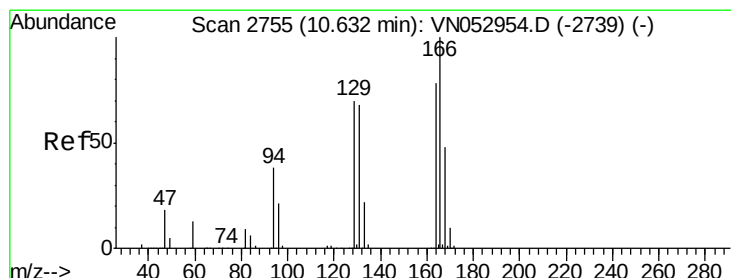
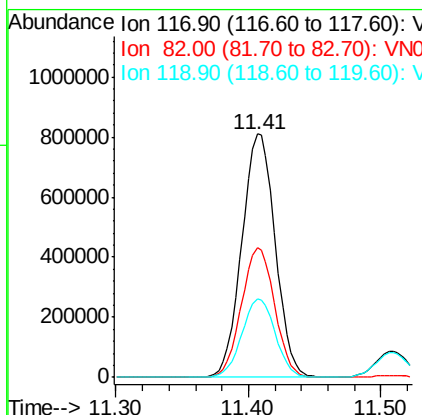
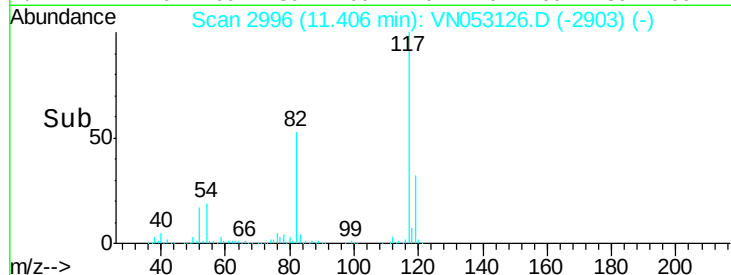
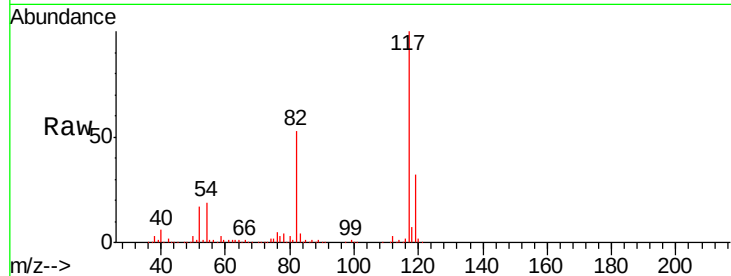
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampled :
VN1222MBS01

Tgt Ion:117 Resp: 1415918
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 32.0 25.5 38.3

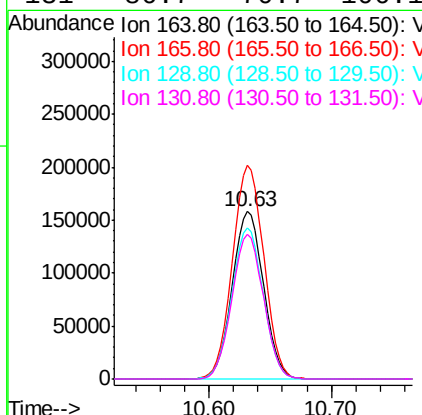
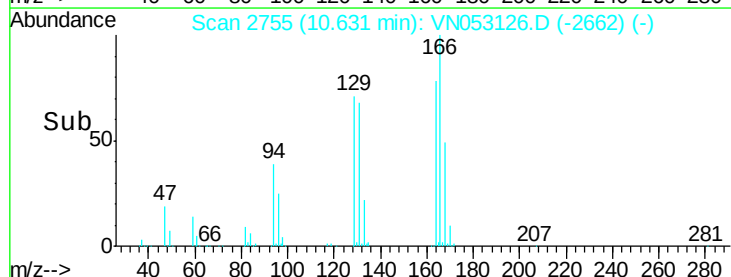
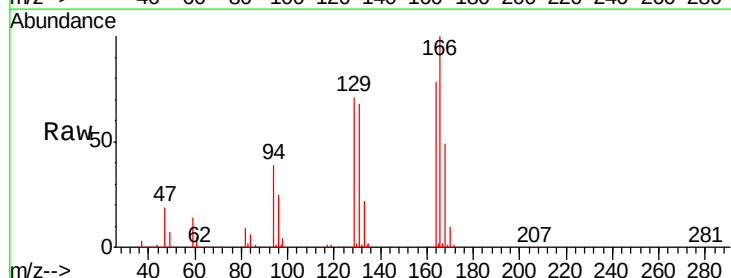
Manual Integrations
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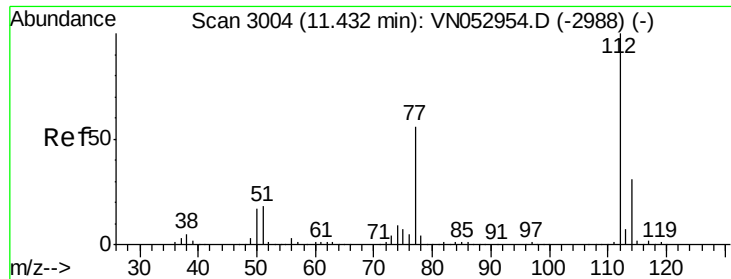
MMDadoda
12/24/2018 9:32:41 AM



#64
Tetrachloroethene
Concen: 18.370 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion:164 Resp: 281753
Ion Ratio Lower Upper
164 100
166 127.7 102.9 154.3
129 90.3 73.7 110.5
131 86.7 70.7 106.1





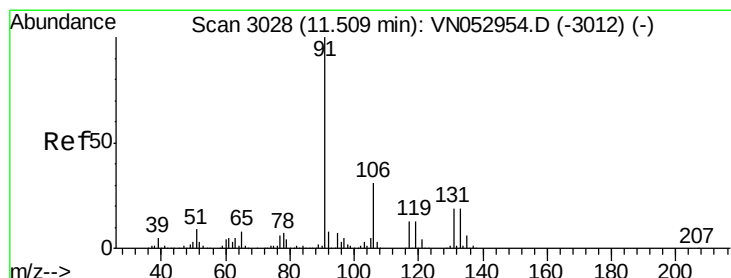
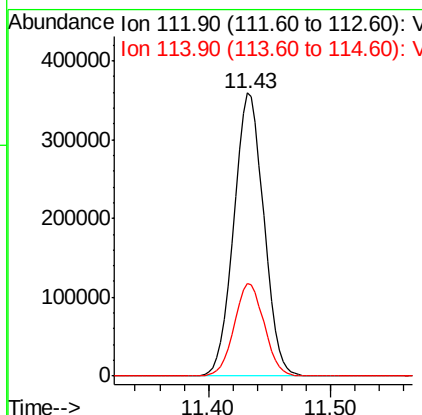
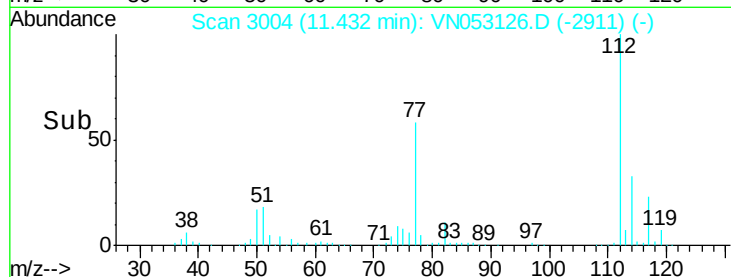
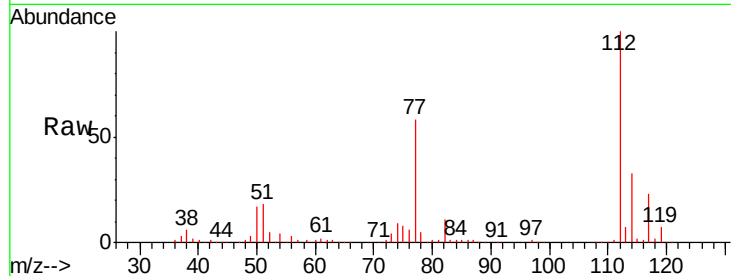
#65
Chlorobenzene
Concen: 19.510 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Tgt Ion:112 Resp: 612367
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3

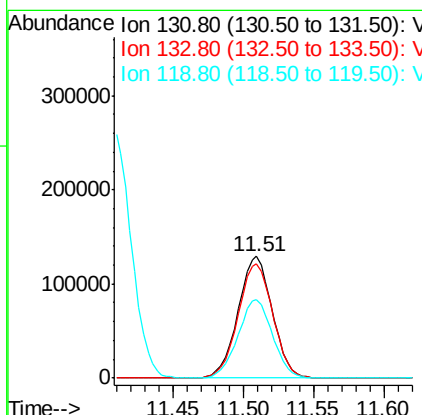
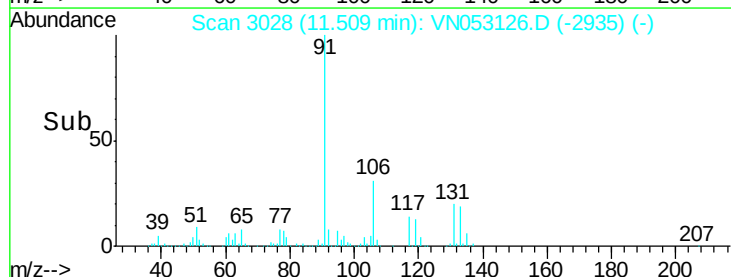
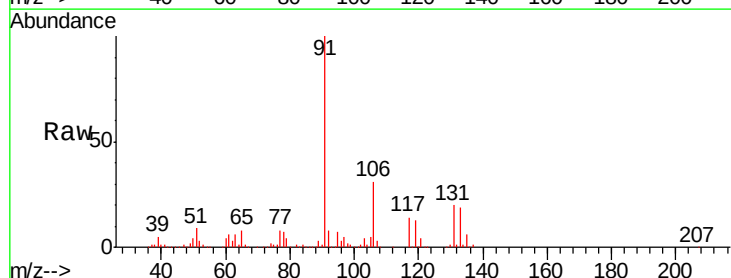
Manual Integrations
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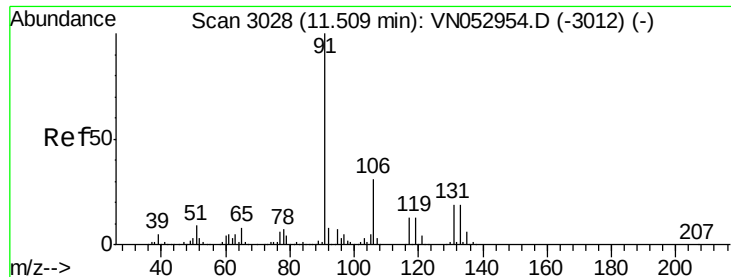
MMDadoda
12/24/2018 9:32:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.153 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion:131 Resp: 219963
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.9
119 65.2 33.3 99.8





#67

Ethyl Benzene

Concen: 19.521 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

Tgt Ion: 91 Resp: 1053707

Ion Ratio Lower Upper

91 100

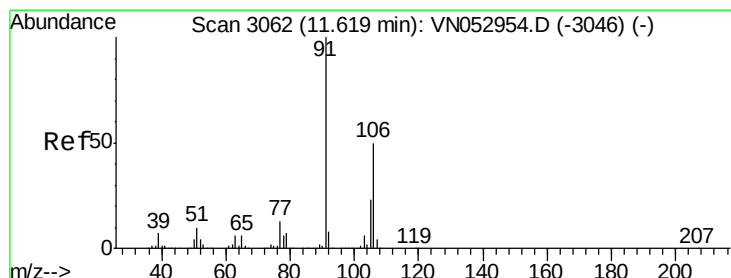
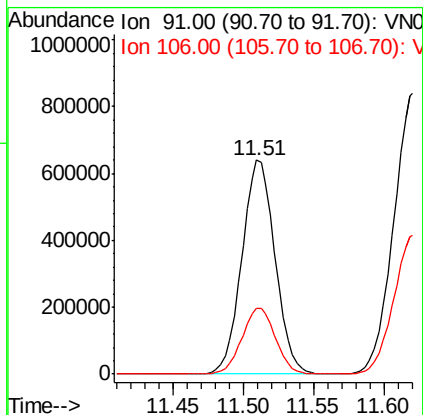
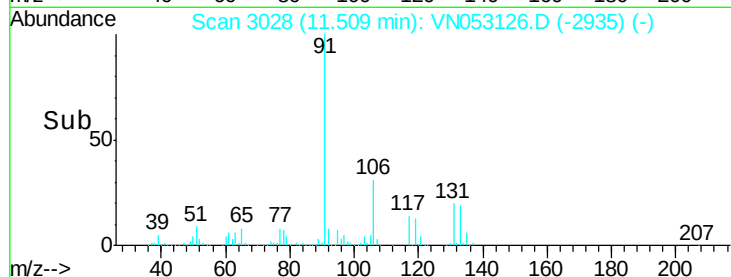
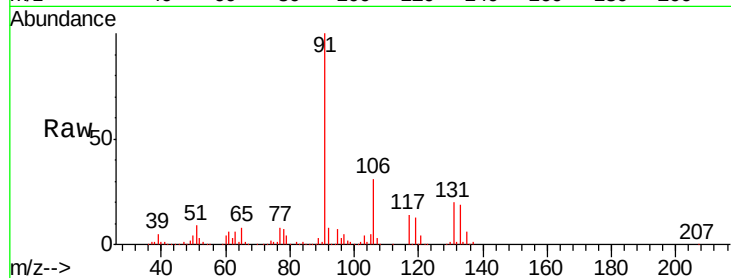
106 30.8 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

12/24/2018 9:32:41 AM



#68

m/p-Xylenes

Concen: 38.657 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053126.D

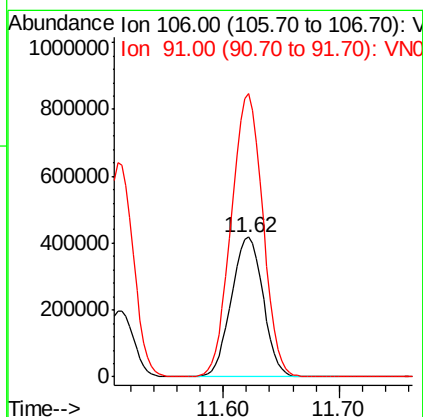
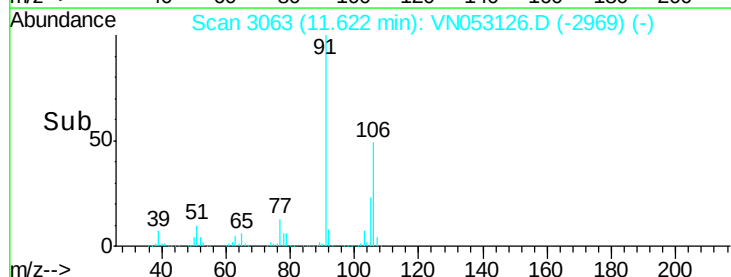
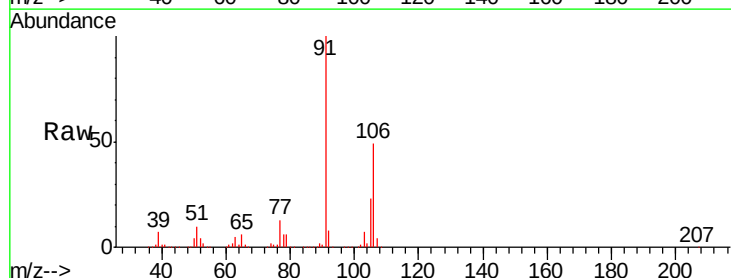
Acq: 22 Dec 2018 12:18

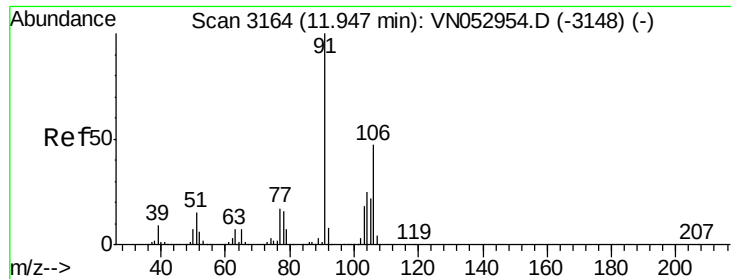
Tgt Ion: 106 Resp: 793242

Ion Ratio Lower Upper

106 100

91 200.8 162.2 243.4





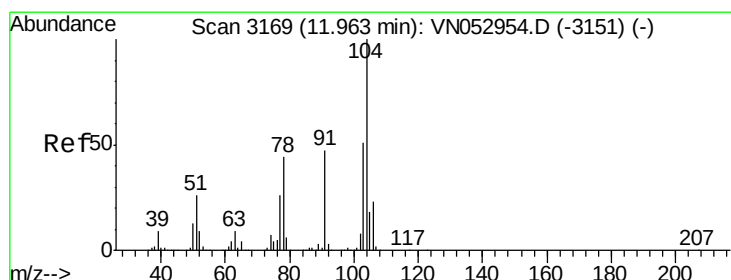
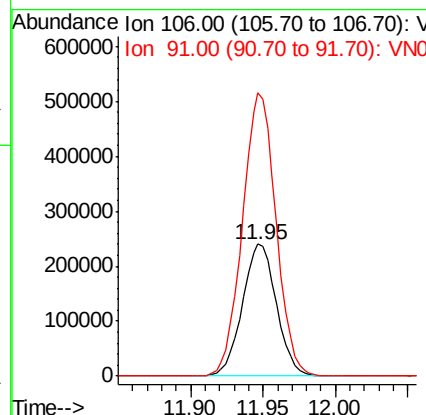
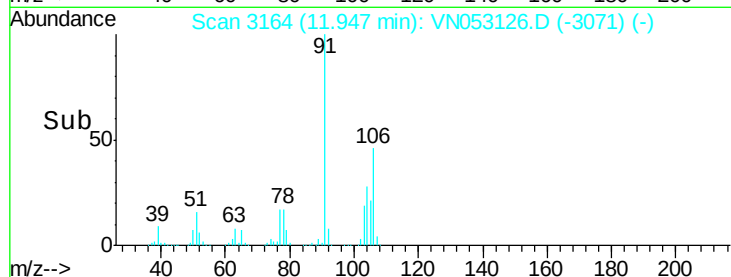
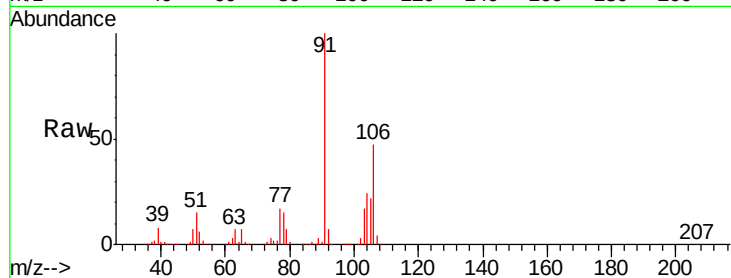
#69
o-Xylene
Concen: 19.785 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	389573		
91	212.4	106.6	319.8	

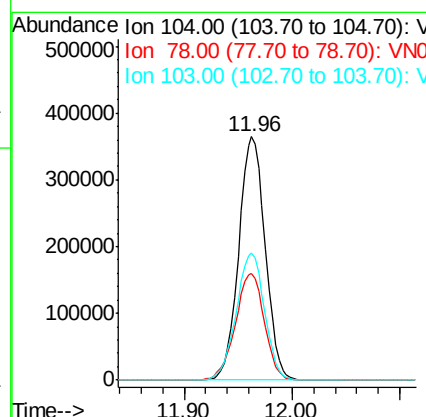
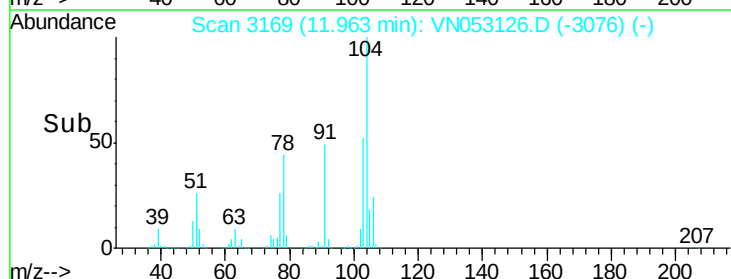
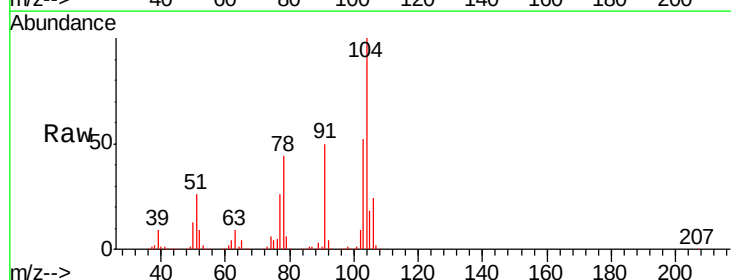
Manual Integrations
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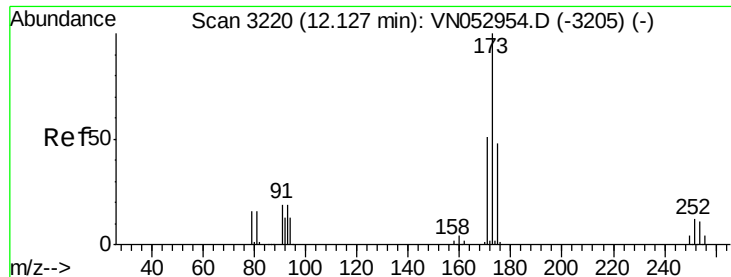
MMDadoda
12/24/2018 9:32:41 AM



#70
Styrene
Concen: 19.394 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	622677		
78	48.0	38.9	58.3	
103	56.2	44.3	66.5	





#71

Bromoform

Concen: 17.788 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

Tgt Ion:173 Resp: 140260

Ion Ratio Lower Upper

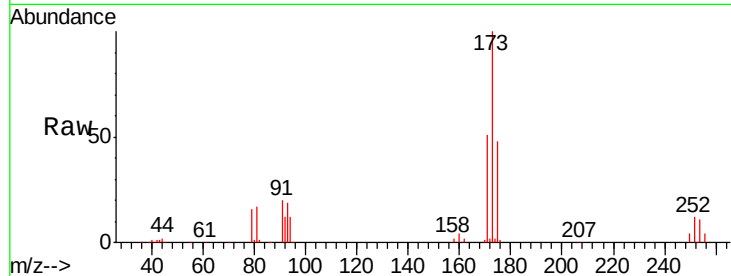
173 100

175 48.6 24.3 72.9

254 0.0 0.1 0.1#

Manual Integrations
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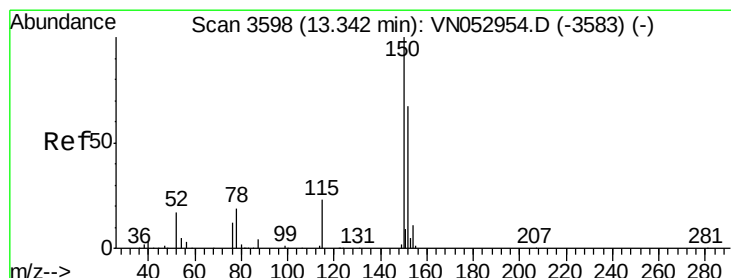
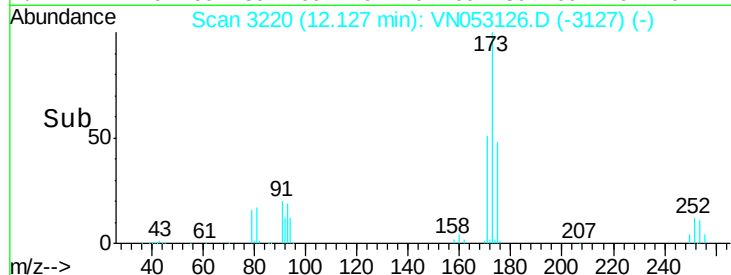
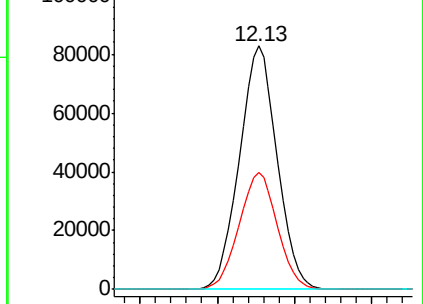
MMDadoda
12/24/2018 9:32:41 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

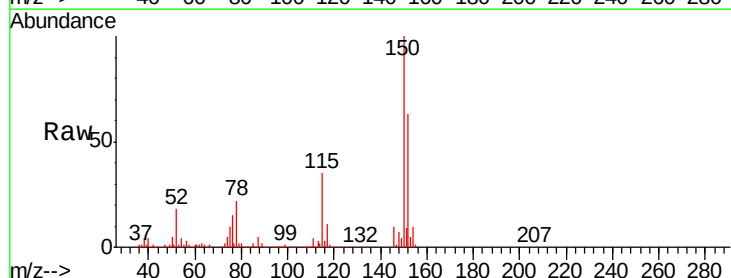
Tgt Ion:152 Resp: 598476

Ion Ratio Lower Upper

152 100

115 55.4 28.3 85.0

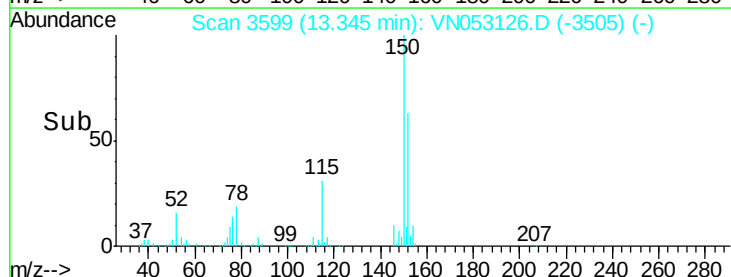
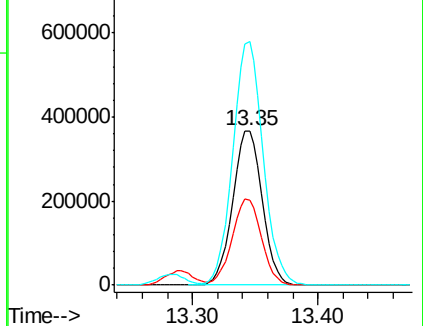
150 162.7 0.0 347.8

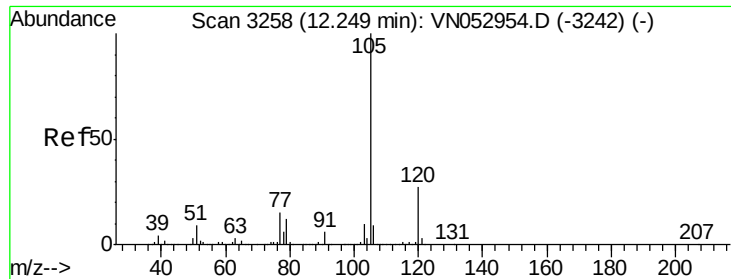


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





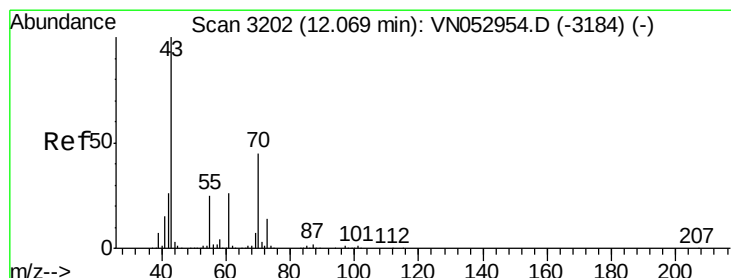
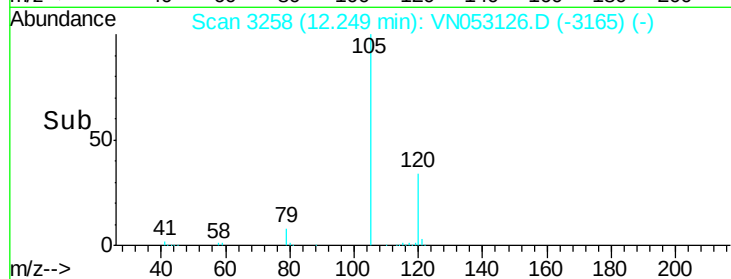
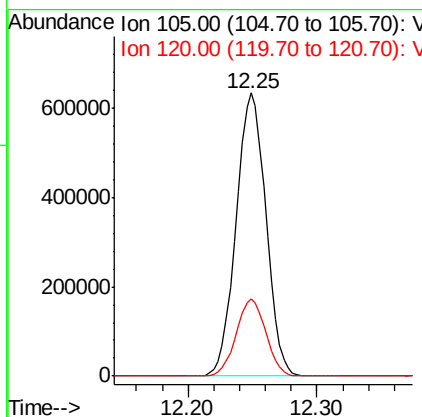
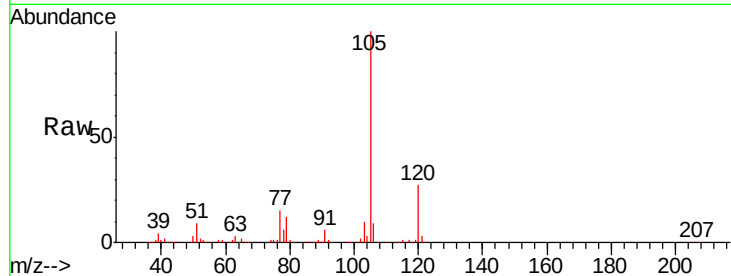
#73
Isopropylbenzene
Concen: 21.736 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Tgt Ion: 105 Resp: 1017814
Ion Ratio Lower Upper
105 100
120 27.2 13.3 39.9

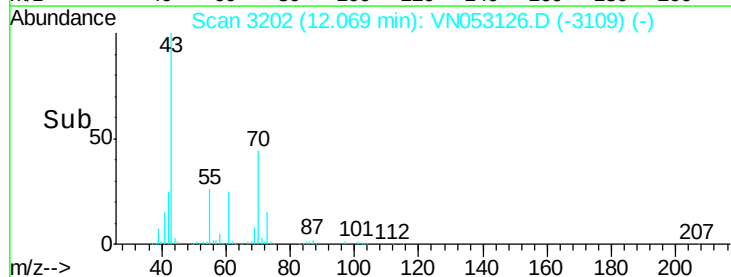
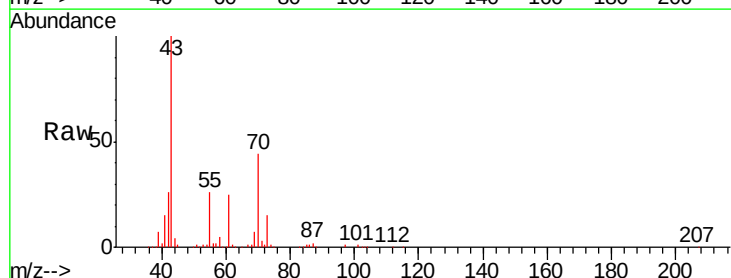
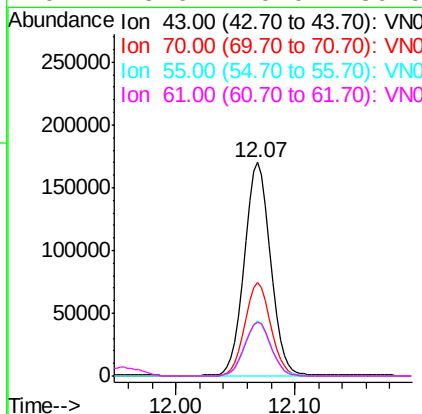
Manual Integrations
APPROVED

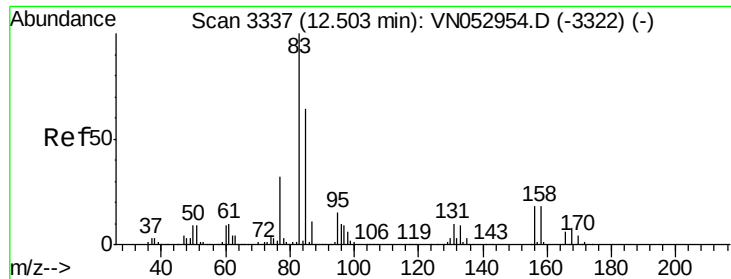
MMDadoda
12/24/2018 9:32:41 AM



#74
N-ethyl acetate
Concen: 20.019 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion: 43 Resp: 260251
Ion Ratio Lower Upper
43 100
70 43.6 34.2 51.4
55 25.6 20.3 30.5
61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.048 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

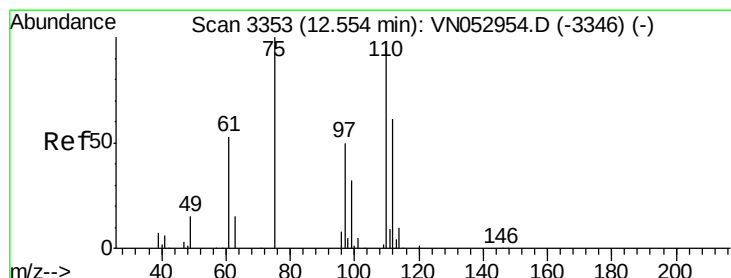
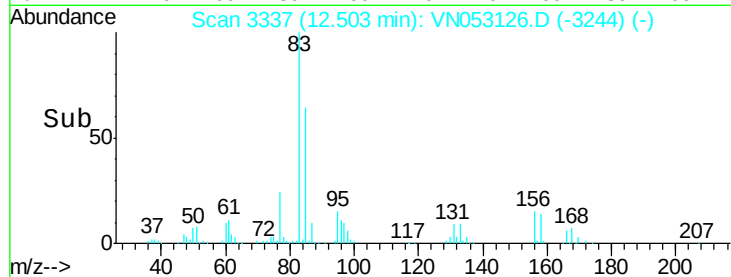
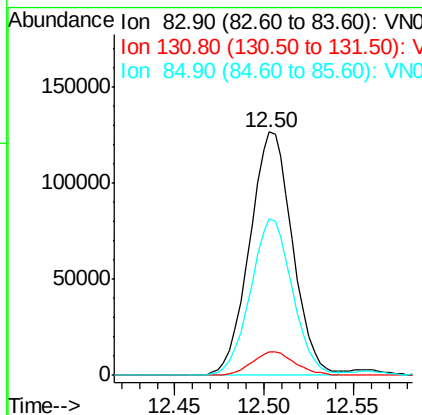
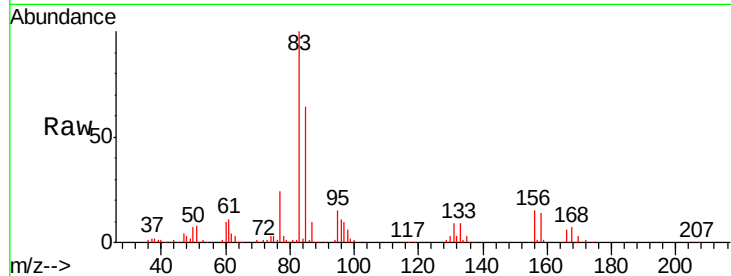
ClientSampleId :

VN1222MBS01

Tgt Ion:	83	Resp:	211730
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.2	15.6
85	63.1	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 18.638 ug/l m

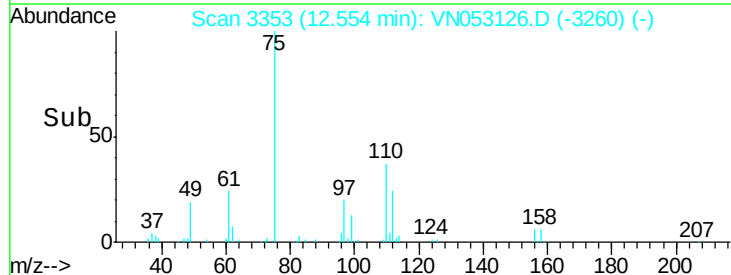
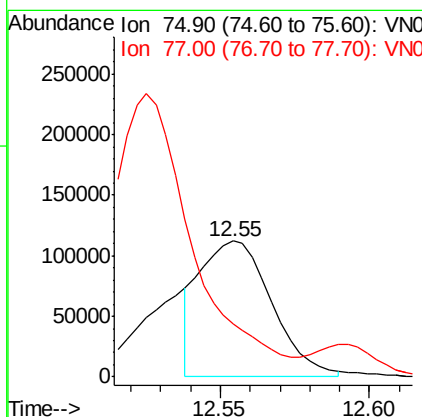
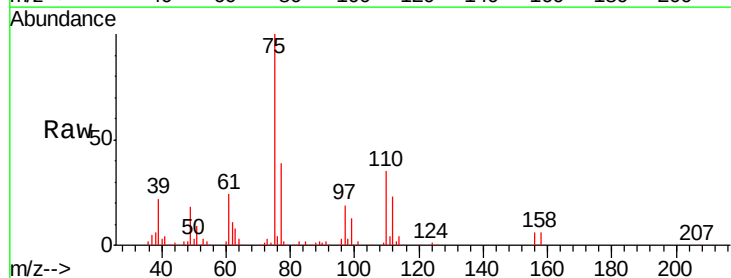
RT: 12.55 min Scan# 3353

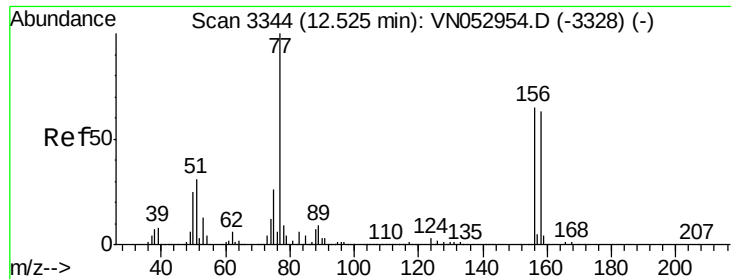
Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Tgt Ion:	75	Resp:	187769
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.953 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

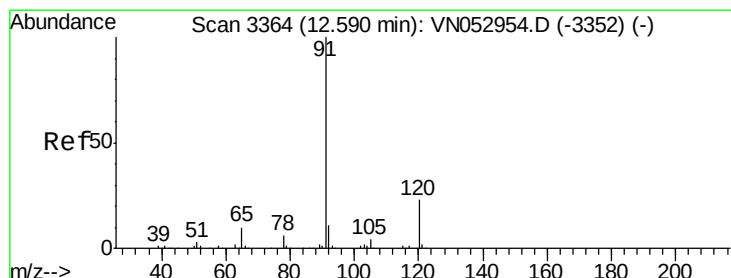
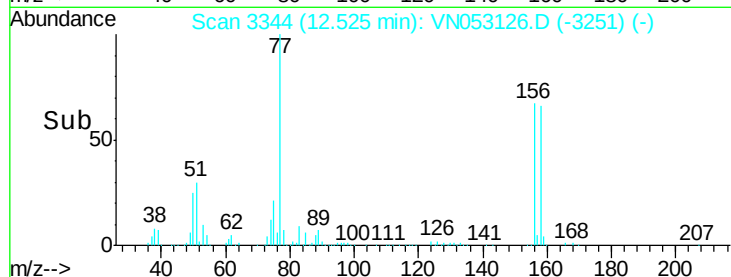
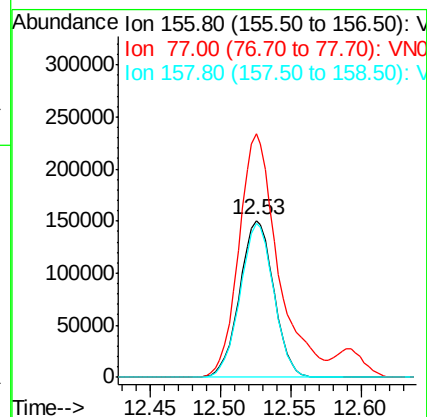
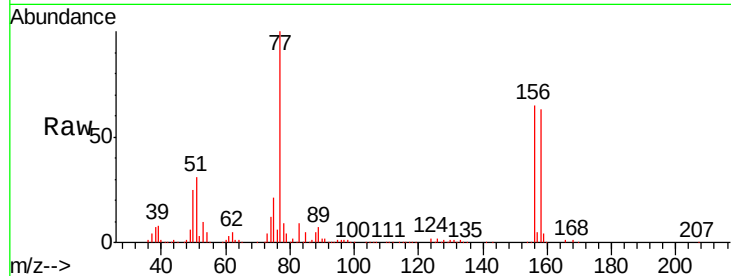
ClientSampleId :

VN1222MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	255041		
77	178.9	91.3	273.8	
158	96.9	49.0	147.2	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.909 ug/l

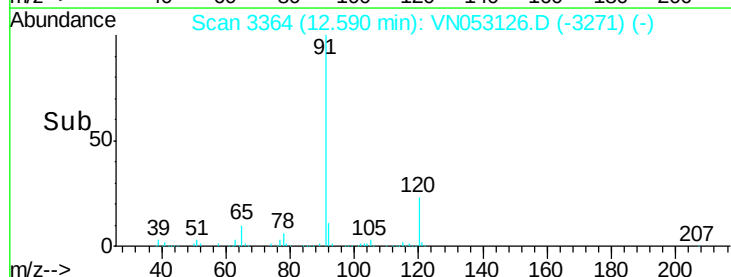
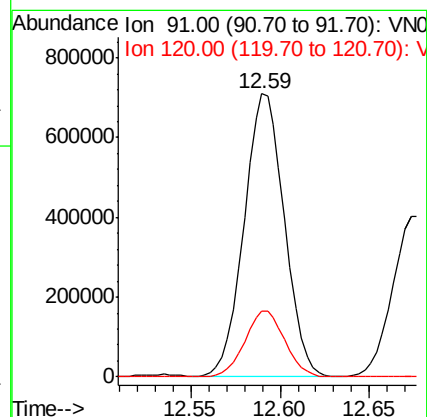
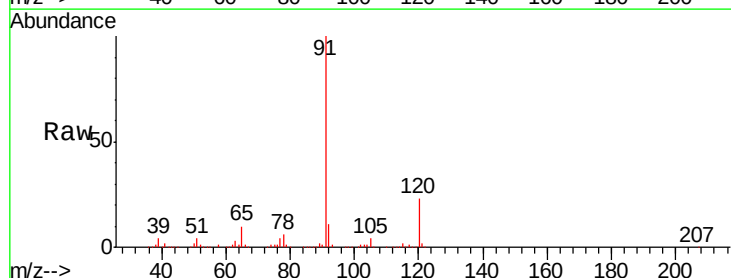
RT: 12.59 min Scan# 3364

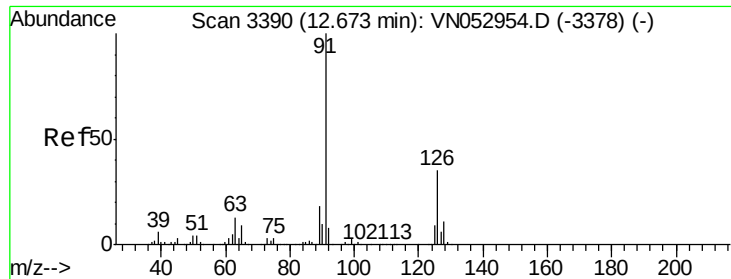
Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1115103		
120	23.2	11.5	34.5	





#79

2-Chlorotoluene

Concen: 20.067 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

Tgt Ion: 91 Resp: 663361

Ion Ratio Lower Upper

91 100

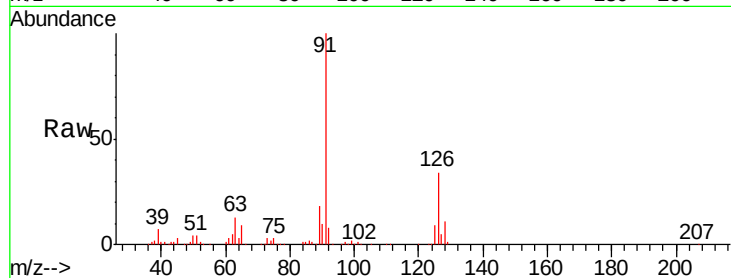
126 34.9 17.4 52.3

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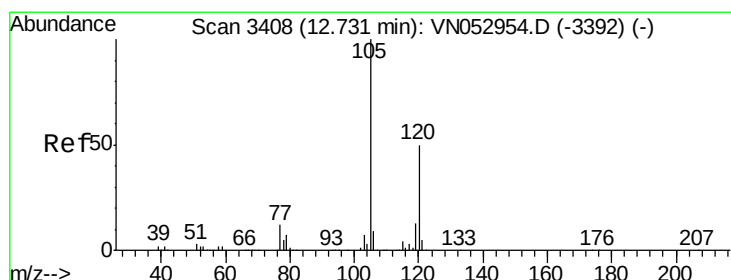
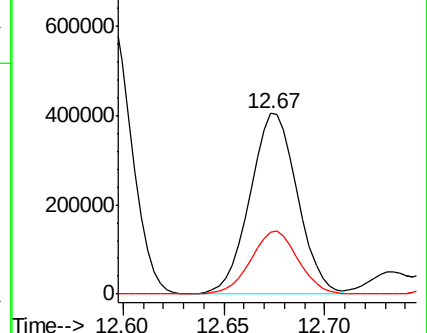
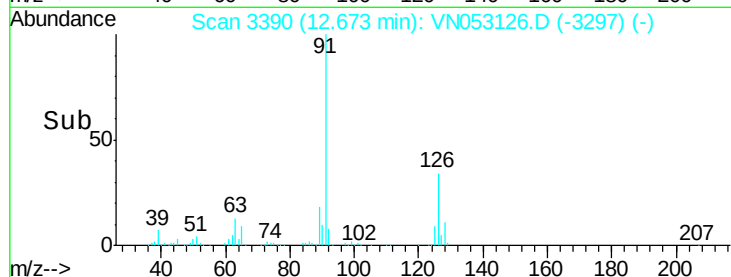
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Abundance Ion 91.00 (90.70 to 91.70): VN053126.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.432 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053126.D

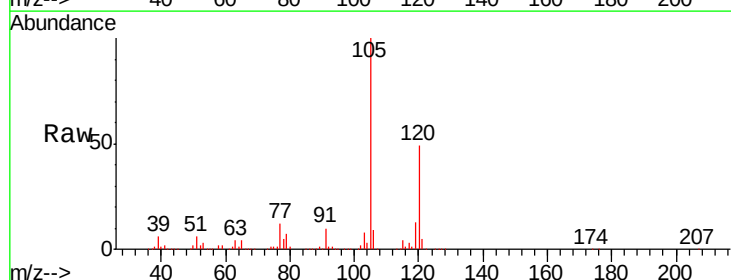
Acq: 22 Dec 2018 12:18

Tgt Ion: 105 Resp: 779834

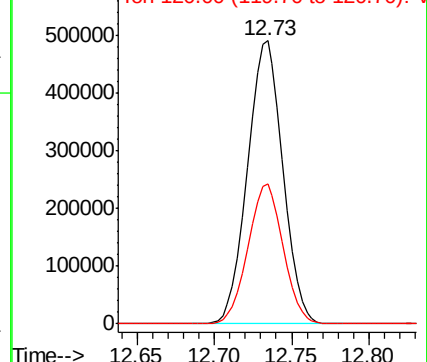
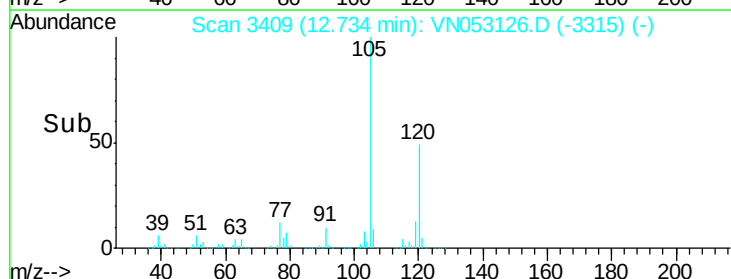
Ion Ratio Lower Upper

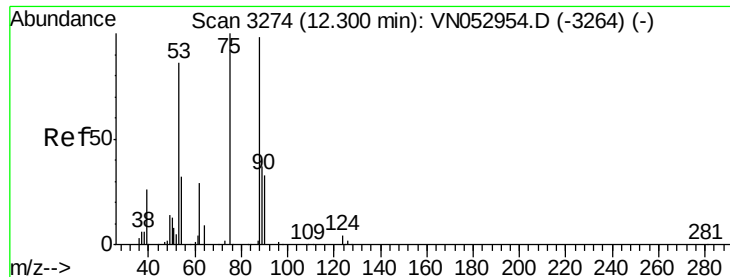
105 100

120 49.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053126.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.581 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

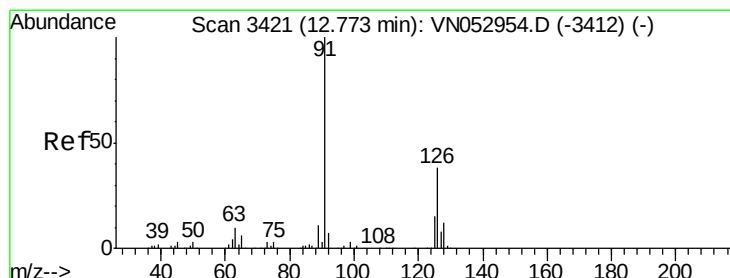
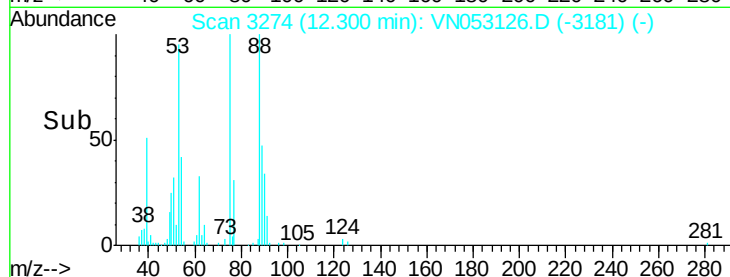
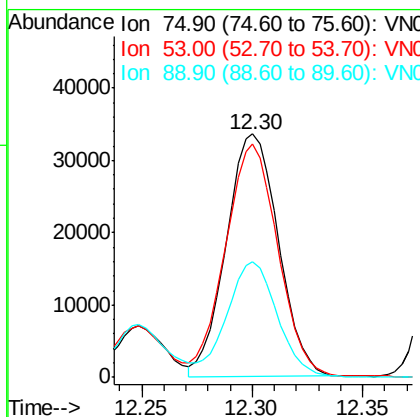
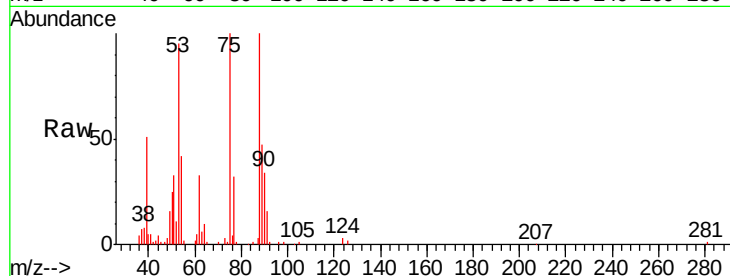
ClientSampleId :

VN1222MBS01

Tgt Ion:	75	Resp:	54955
Ion	Ratio	Lower	Upper
75	100		
53	97.2	74.7	112.1
89	46.2	36.1	54.1

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#82

4-Chlorotoluene

Concen: 20.307 ug/l

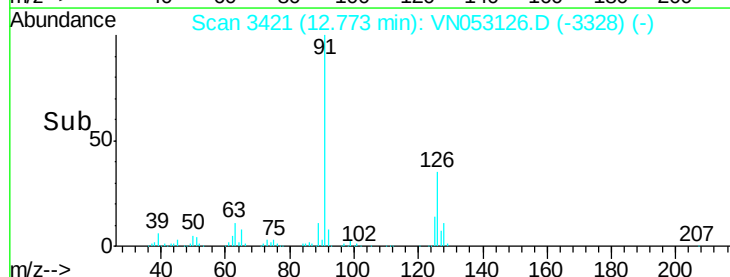
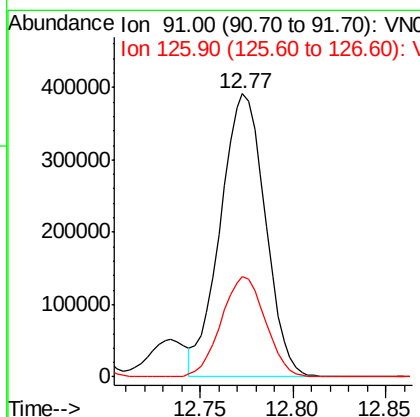
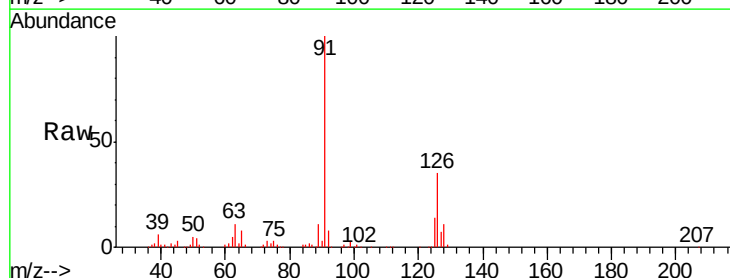
RT: 12.77 min Scan# 3421

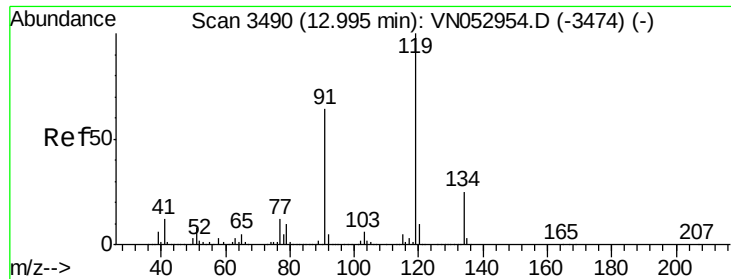
Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Tgt Ion:	91	Resp:	657108
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	51.7





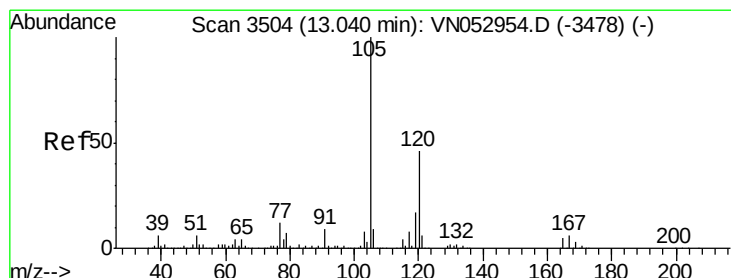
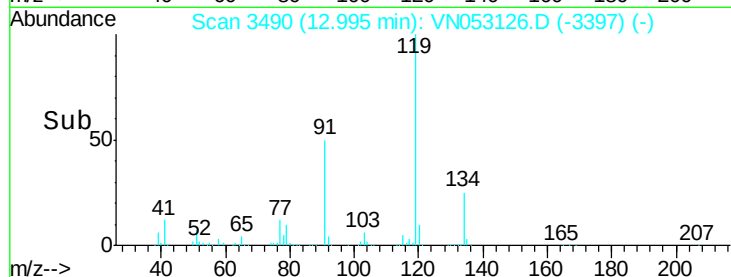
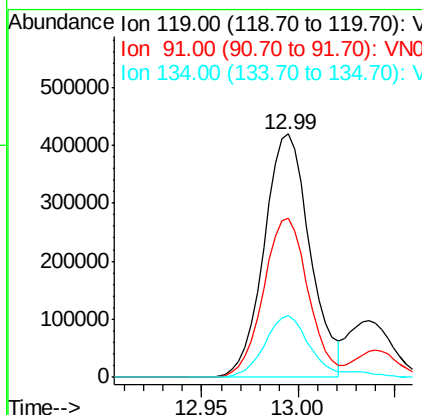
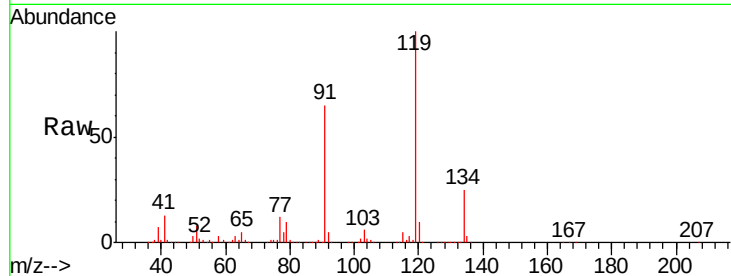
#83
 tert-Butylbenzene
 Concen: 20.606 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
119	100		
91	64.0	31.9	95.5
134	26.0	12.8	38.4

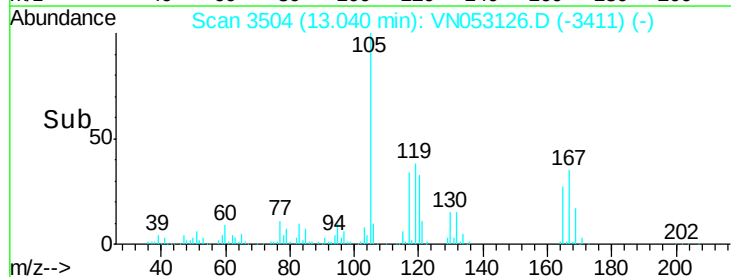
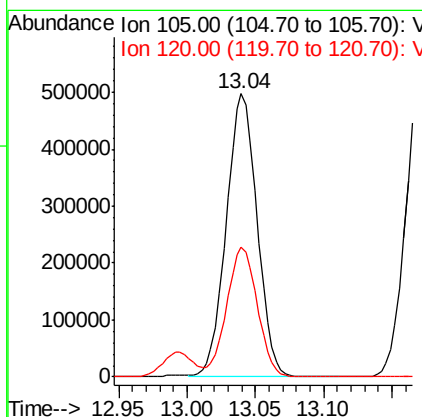
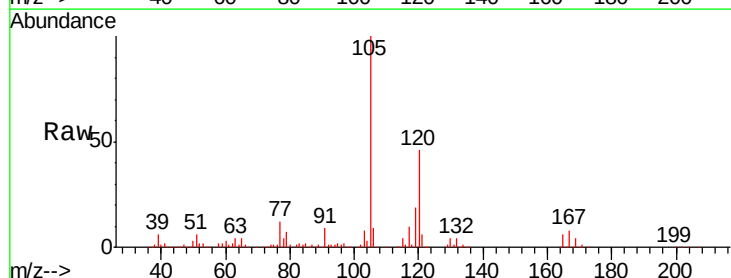
Manual Integrations
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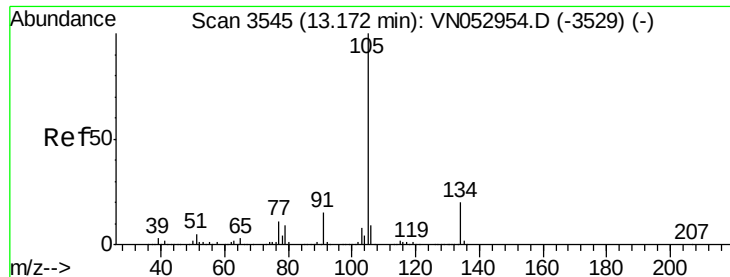
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.325 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

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





#85

sec-Butylbenzene

Concen: 19.851 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

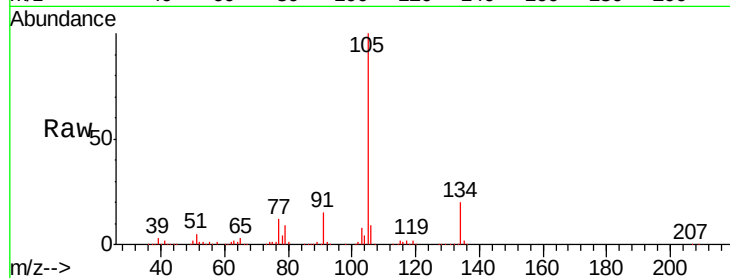
Tgt Ion:105 Resp: 906337
Ion Ratio Lower Upper

105 100

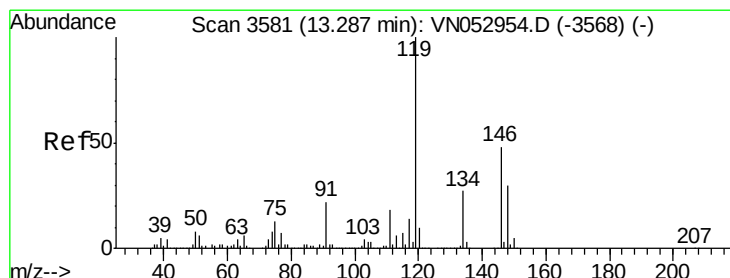
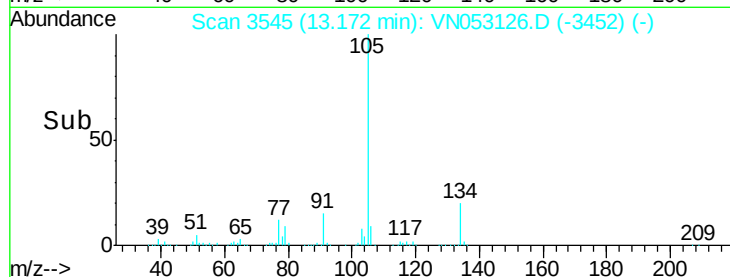
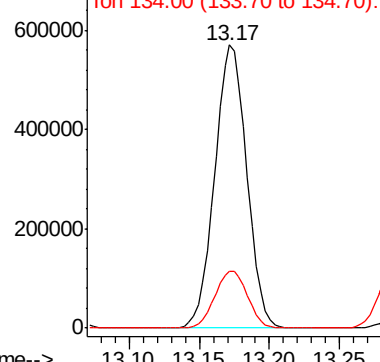
134 20.6 10.1 30.3

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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.423 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053126.D

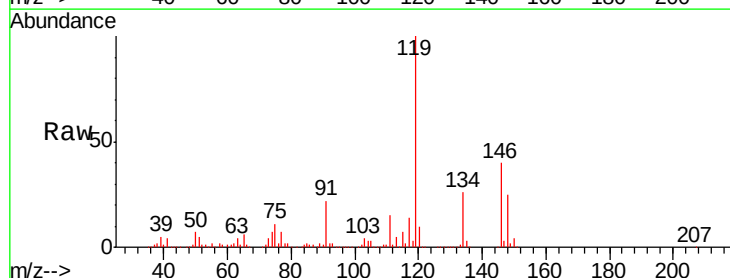
Acq: 22 Dec 2018 12:18

Tgt Ion:119 Resp: 766251
Ion Ratio Lower Upper

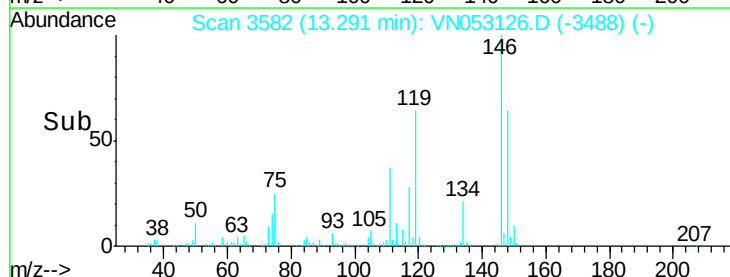
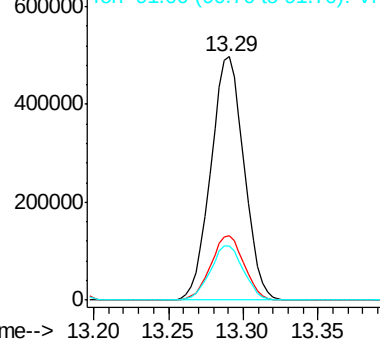
119 100

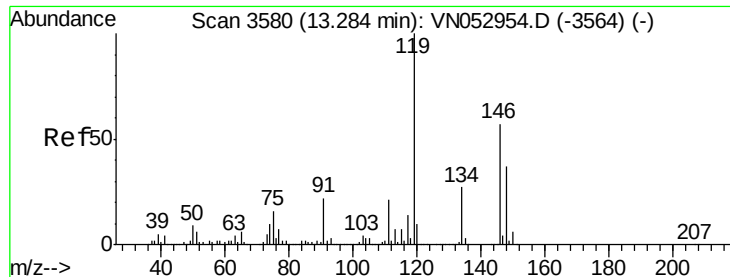
134 26.7 13.4 40.2

91 22.4 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





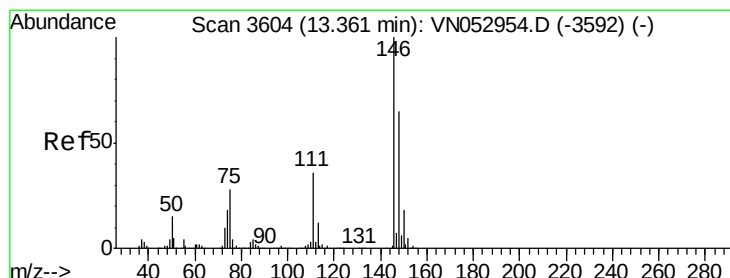
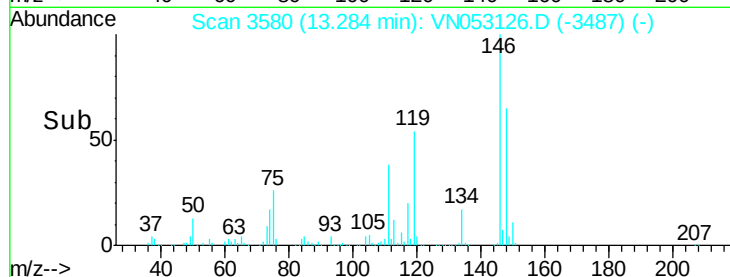
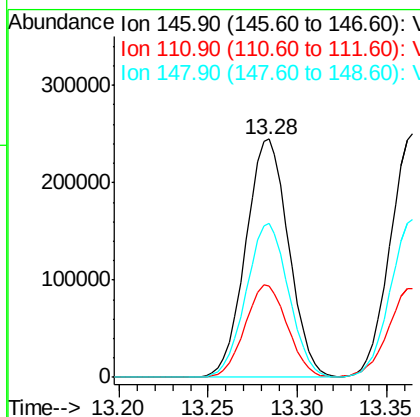
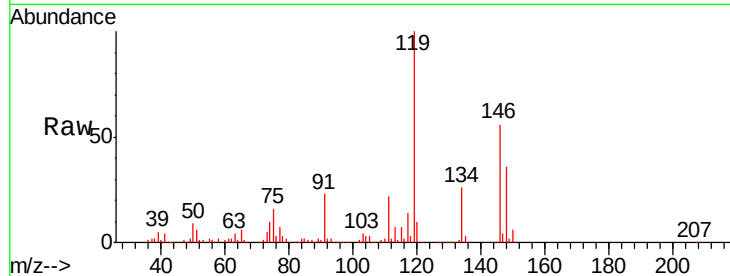
#87
 1,3-Dichlorobenzene
 Concen: 19.169 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.1
148	64.1	32.0	96.0

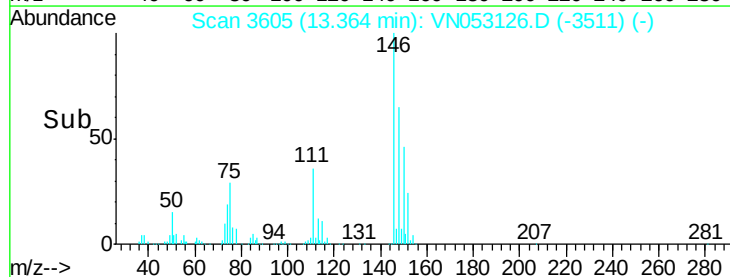
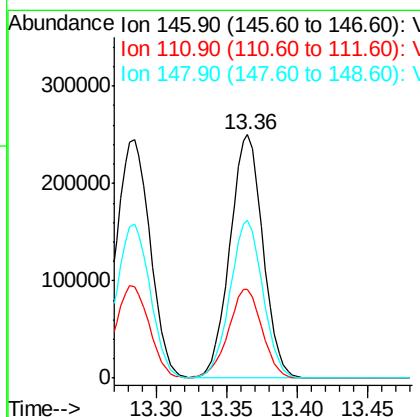
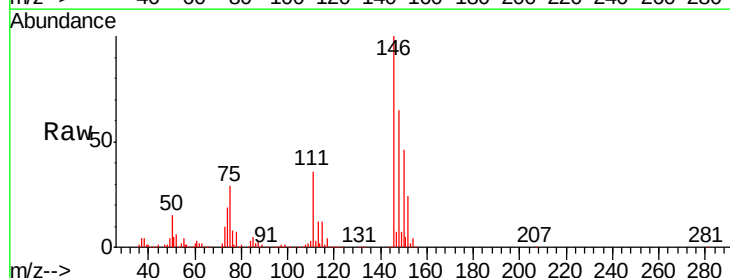
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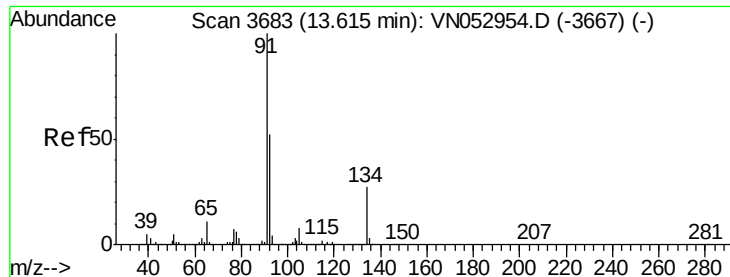
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#88
 1,4-Dichlorobenzene
 Concen: 18.748 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	55.8
148	64.7	32.1	96.5





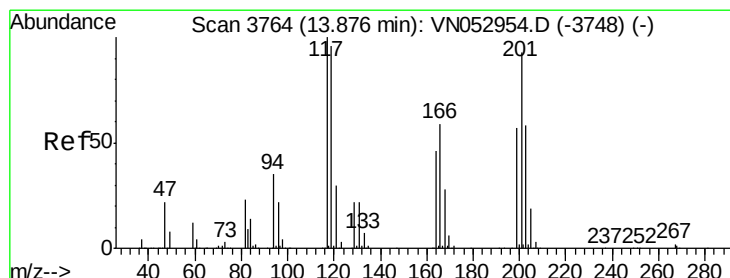
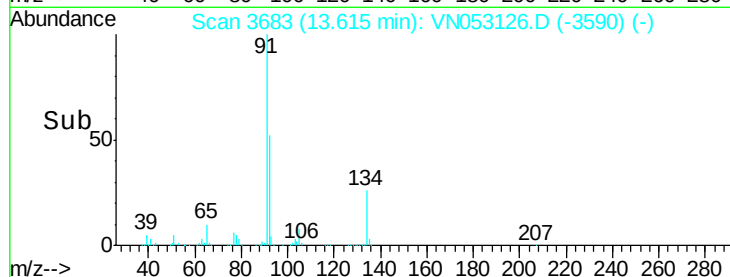
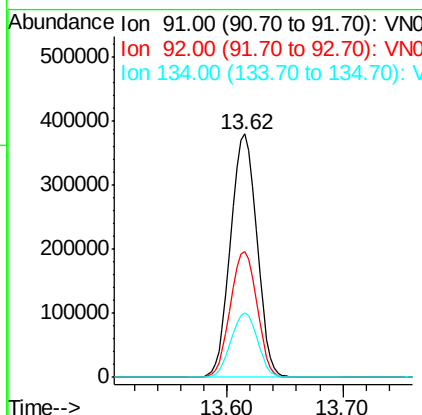
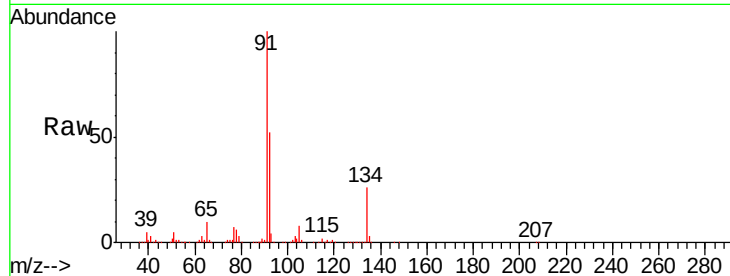
#89
n-Butylbenzene
Concen: 17.549 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	26.6	13.3	39.8

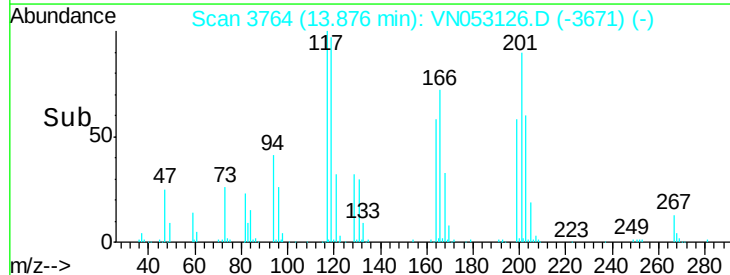
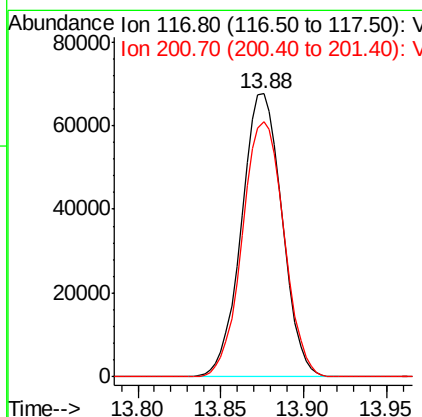
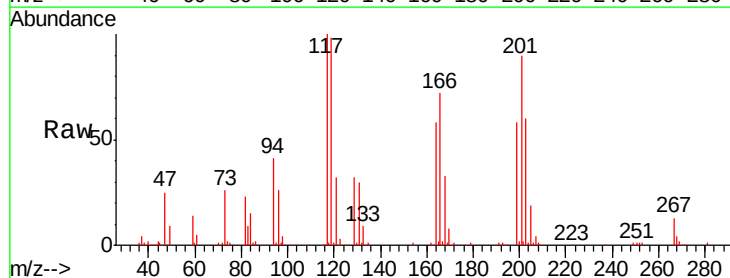
Manual Integrations
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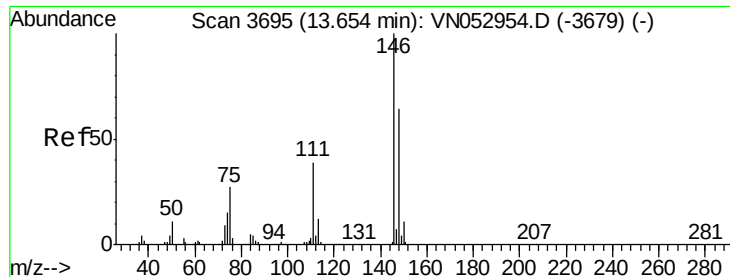
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#90
Hexachloroethane
Concen: 19.047 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.6	45.7	137.1





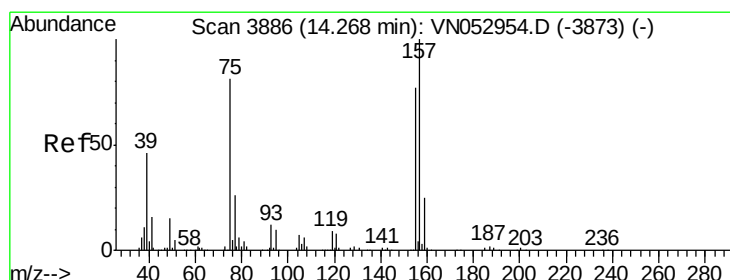
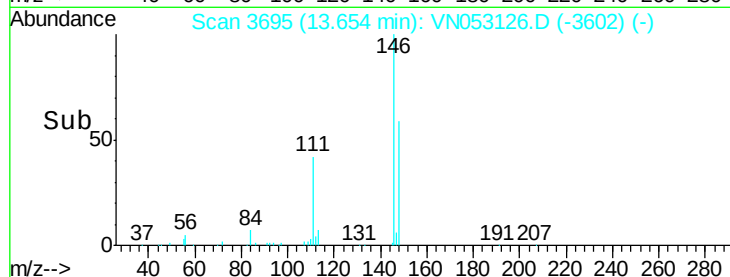
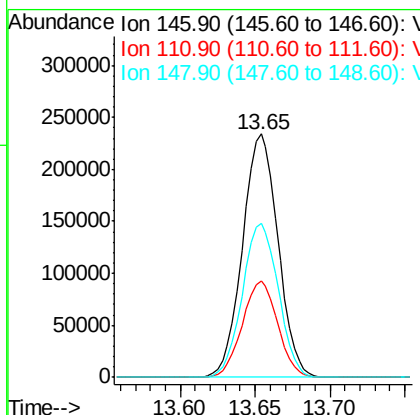
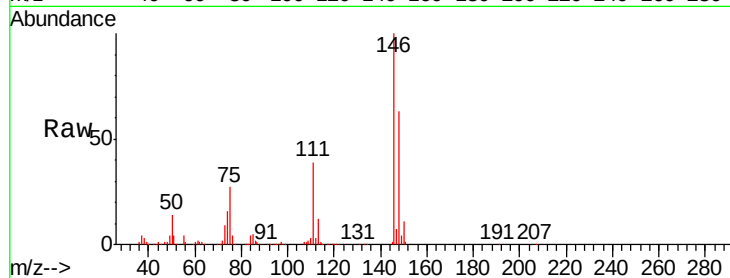
#91
 1,2-Dichlorobenzene
 Concen: 19.075 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	386749		
111	39.4	19.7	59.0	
148	64.0	32.0	96.0	

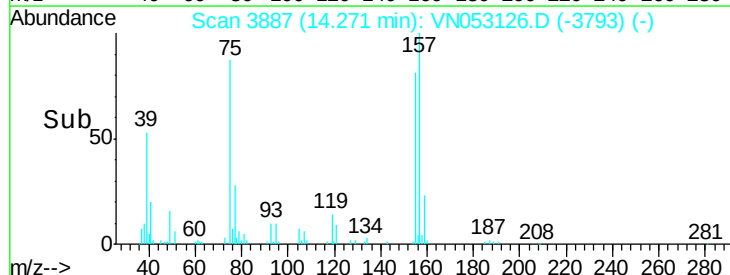
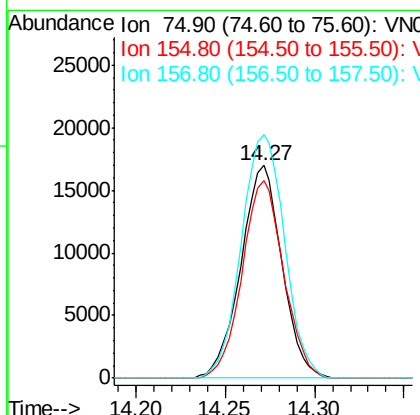
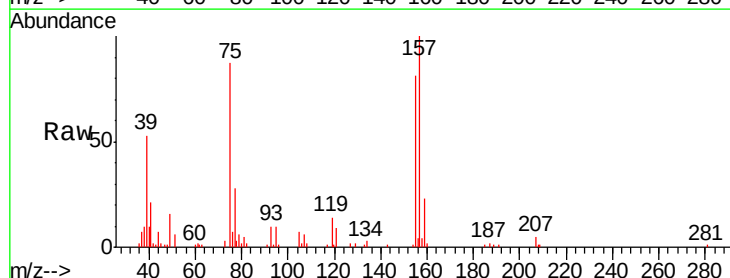
Manual Integrations
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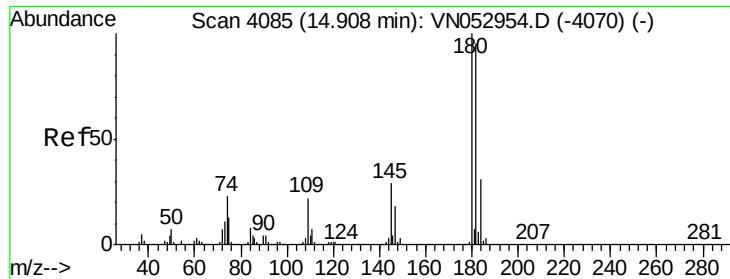
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 12/24/2018 9:32:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.246 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27394		
155	93.5	48.2	144.6	
157	120.4	61.2	183.5	





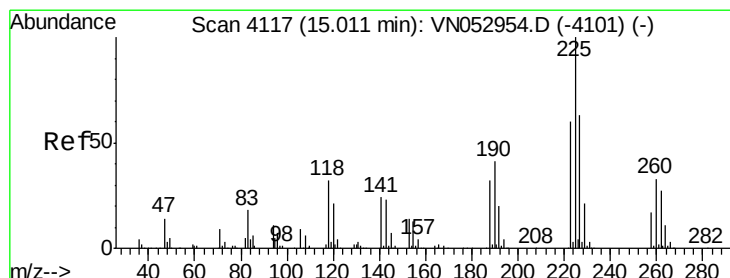
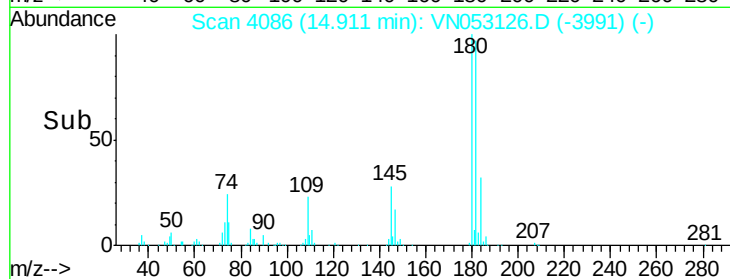
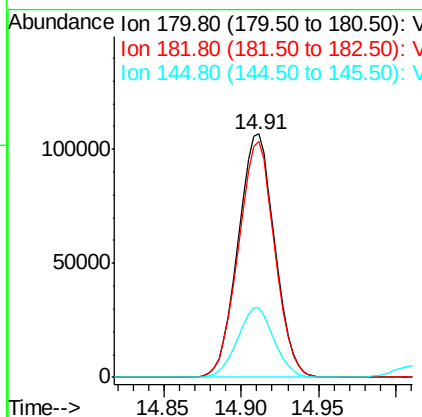
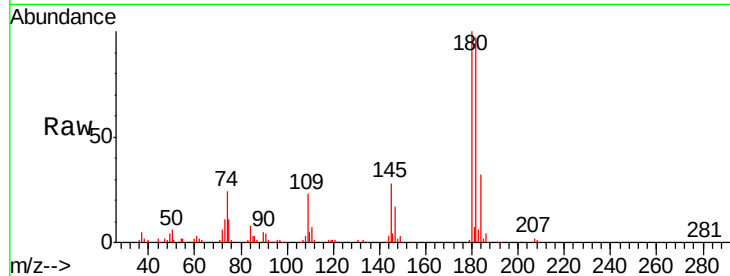
#93
 1,2,4-Trichlorobenzene
 Concen: 16.765 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	175776		
182	96.0	47.8	143.3	
145	28.5	14.2	42.6	

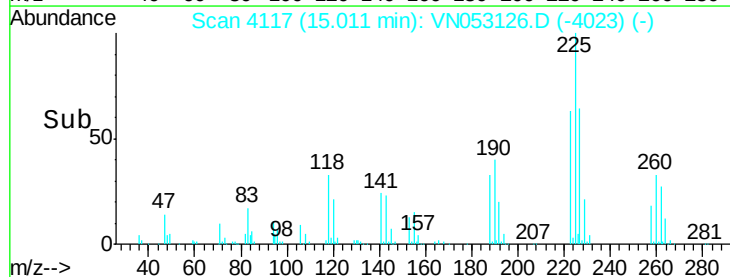
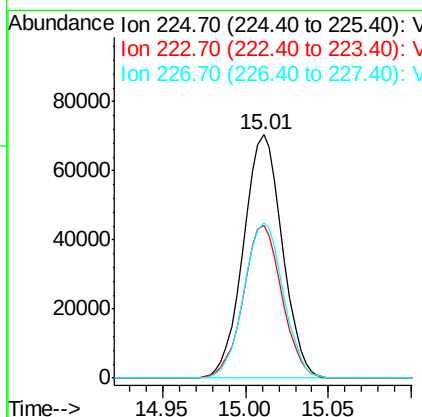
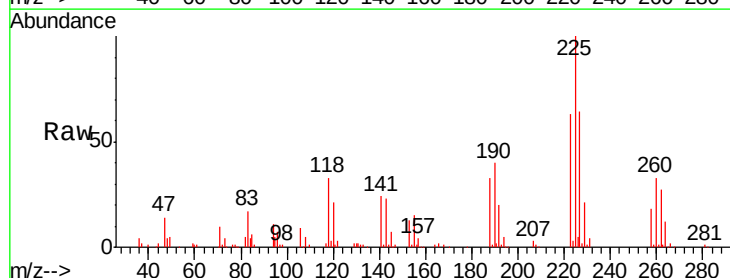
Manual Integrations
 APPROVED

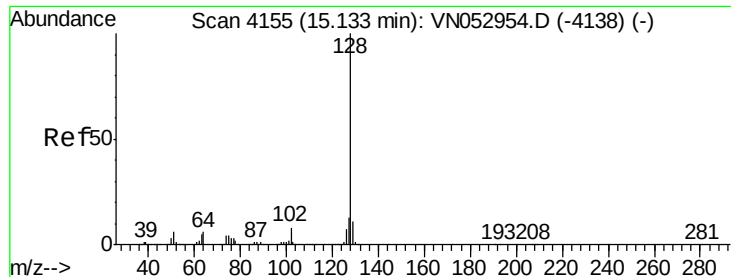
MMDadoda
 12/24/2018 9:32:41 AM



#94
 Hexachlorobutadiene
 Concen: 18.857 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	114829		
223	62.1	31.5	94.5	
227	64.4	31.9	95.7	





#95

Naphthalene

Concen: 16.276 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

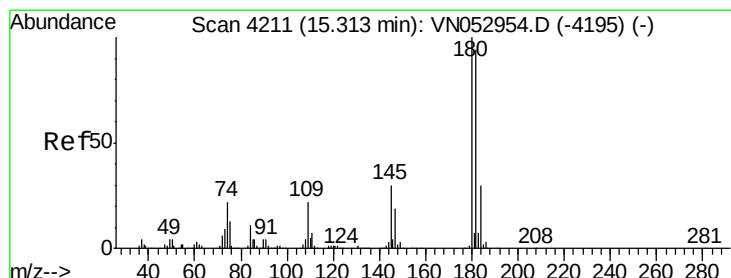
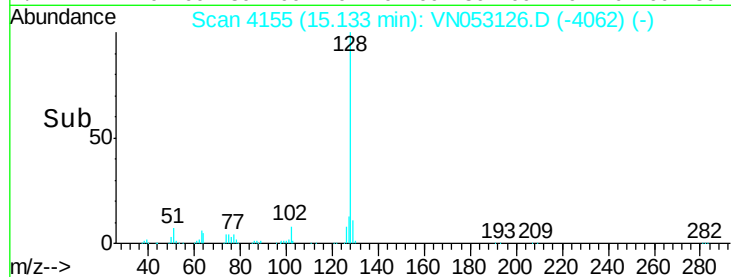
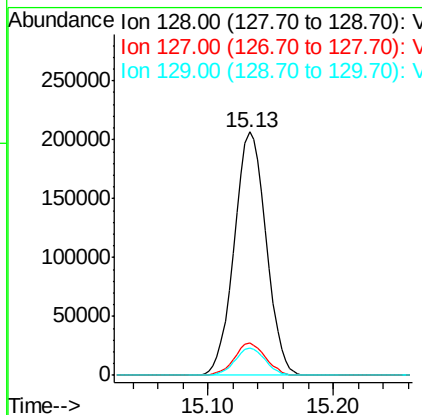
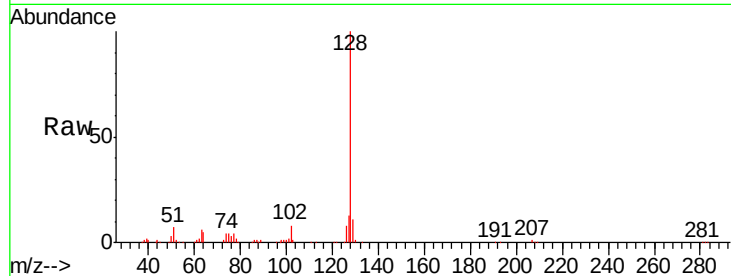
ClientSampleId :

VN1222MBS01

Tgt Ion:	128	Resp:	364367
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	10.6	8.6	13.0

Manual Integrations
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12/24/2018 9:32:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.575 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Tgt Ion:	180	Resp:	157017
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.9	143.7
145	30.5	15.0	45.0

