

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053183.D
 Acq On : 24 Dec 2018 14:20
 Operator : MD\SY
 Sample : VN1224WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBSD01

Quant Time: Dec 24 22:28:59 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	956080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1485079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1331705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	579846	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	486472	50.14	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.28%		
35) Dibromofluoromethane	7.59	113	395181	58.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	116.50%		
50) Toluene-d8	10.09	98	1775929	48.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.54%		
62) 4-Bromofluorobenzene	12.40	95	614668	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.16%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	179423	18.543	ug/l	99
3) Chloromethane	2.06	50	232854	19.859	ug/l	100
4) Vinyl Chloride	2.19	62	233160	19.634	ug/l	100
5) Bromomethane	2.57	94	148135	18.005	ug/l	100
6) Chloroethane	2.71	64	139842	19.883	ug/l	100
7) Trichlorofluoromethane	3.02	101	291217	19.685	ug/l	100
8) Diethyl Ether	3.41	74	119566	21.424	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	184964	19.610	ug/l	99
10) Methyl Iodide	3.96	142	242877	18.336	ug/l	99
11) Tert butyl alcohol	4.78	59	65155	110.059	ug/l	99
12) 1,1-Dichloroethene	3.74	96	179547	19.703	ug/l	99
13) Acrolein	3.61	56	63990	119.208	ug/l	98
14) Allyl chloride	4.33	41	286178	20.274	ug/l	97
15) Acrylonitrile	4.99	53	356596	108.425	ug/l	99
16) Acetone	3.82	43	216313	113.709	ug/l	98
17) Carbon Disulfide	4.06	76	497463	16.739	ug/l	99
18) Methyl Acetate	4.33	43	193179	22.922	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	523967	21.486	ug/l	98
20) Methylene Chloride	4.55	84	217601	20.970	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	194384	19.854	ug/l	99
22) Diisopropyl ether	5.95	45	662812	21.999	ug/l	98
23) Vinyl Acetate	5.90	43	1920093	110.826	ug/l	99
24) 1,1-Dichloroethane	5.85	63	373249	20.848	ug/l	99
25) 2-Butanone	6.84	43	371148	116.253	ug/l	97
26) 2,2-Dichloropropane	6.83	77	255397	18.687	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	227209	20.498	ug/l	99
28) Bromochloromethane	7.20	49	167325	21.568	ug/l	97
29) Tetrahydrofuran	7.21	42	263876	110.666	ug/l	99
30) Chloroform	7.37	83	364827	20.743	ug/l	100
31) Cyclohexane	7.66	56	344373	19.876	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	300116	20.031	ug/l	99
36) 1,1-Dichloropropene	7.79	75	274677	19.270	ug/l	98
37) Ethyl Acetate	6.93	43	174721	21.957	ug/l	99
38) Carbon Tetrachloride	7.78	117	254917	19.511	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	314545	18.165	ug/l	96
40) Benzene	8.04	78	858984	20.260	ug/l	98
41) Methacrylonitrile	7.17	41	107969	23.483	ug/l	91
42) 1,2-Dichloroethane	8.12	62	255776	20.421	ug/l	99
43) Isopropyl Acetate	8.16	43	326198	20.568	ug/l	99
44) Trichloroethene	8.84	130	235683	19.218	ug/l	97
45) 1,2-Dichloropropane	9.12	63	231198	20.935	ug/l	98
46) Dibromomethane	9.21	93	131066	20.373	ug/l	98
47) Bromodichloromethane	9.40	83	274682	20.086	ug/l	99
48) Methyl methacrylate	9.20	41	162380	21.029	ug/l	99
49) 1,4-Dioxane	9.20	88	39810	407.576	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	861814	111.835	ug/l	99
52) Toluene	10.16	92	539185	20.517	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	280122	19.480	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	327455	19.839	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	193552	21.111	ug/l	98
56) Ethyl methacrylate	10.43	69	257694	21.235	ug/l	98
57) 1,3-Dichloropropane	10.71	76	331787	21.103	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	713649	107.121	ug/l	99
59) 2-Hexanone	10.75	43	582285	111.681	ug/l	99
60) Dibromochloromethane	10.90	129	210081	20.018	ug/l	99
61) 1,2-Dibromoethane	11.01	107	190973	20.510	ug/l	100
64) Tetrachloroethene	10.63	164	256824	17.804	ug/l	99
65) Chlorobenzene	11.43	112	593987	20.121	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	207039	20.168	ug/l	99
67) Ethyl Benzene	11.51	91	1025923	20.208	ug/l	100
68) m/p-Xylenes	11.62	106	765569	39.668	ug/l	99
69) o-Xylene	11.95	106	383475	20.707	ug/l	98
70) Styrene	11.96	104	613595	20.319	ug/l	100
71) Bromoform	12.13	173	144426	19.475	ug/l #	99
73) Isopropylbenzene	12.25	105	989998	21.822	ug/l	99
74) N-amyl acetate	12.07	43	283838	22.534	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	222614	25.011	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	288700	29.577	ug/l #	100
77) Bromobenzene	12.53	156	258473	21.917	ug/l	98
78) n-propylbenzene	12.59	91	1095983	21.211	ug/l	100
79) 2-Chlorotoluene	12.67	91	665469	20.778	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	773157	20.908	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59811	19.750	ug/l	99
82) 4-Chlorotoluene	12.77	91	661044	21.085	ug/l	100
83) tert-Butylbenzene	12.99	119	690712	21.120	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	774272	20.828	ug/l	99
85) sec-Butylbenzene	13.17	105	890391	20.128	ug/l	100
86) p-Isopropyltoluene	13.29	119	754102	19.729	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	417293	19.993	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	406658	19.239	ug/l	99
89) n-Butylbenzene	13.62	91	589398	17.923	ug/l	99
90) Hexachloroethane	13.88	117	115854	19.751	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	394074	20.061	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29520	19.182	ug/l	99

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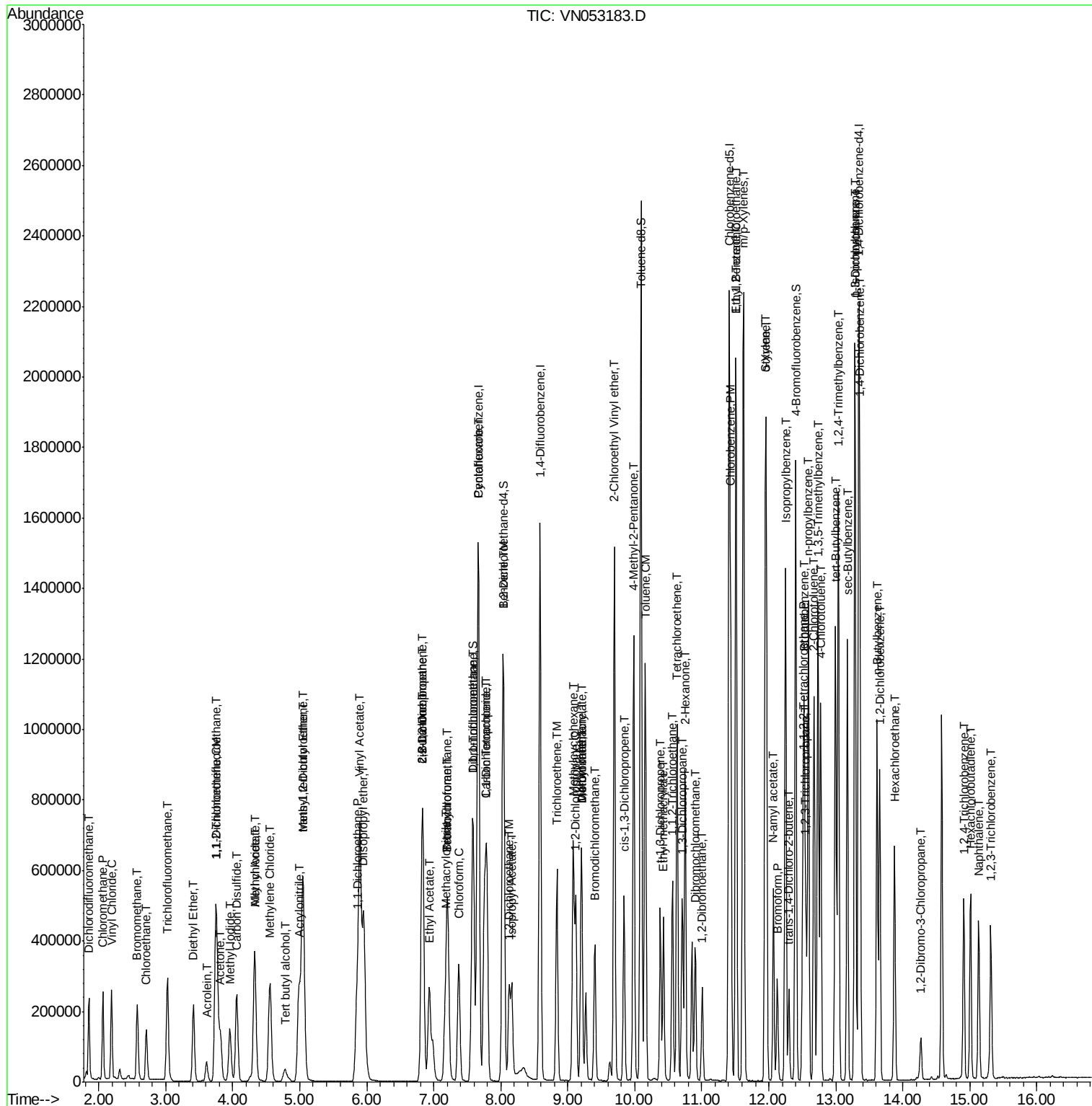
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	177611	17.458	ug/l	100
94) Hexachlorobutadiene	15.01	225	114441	19.485	ug/l	99
95) Naphthalene	15.13	128	392249	17.957	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	160606	17.471	ug/l	99

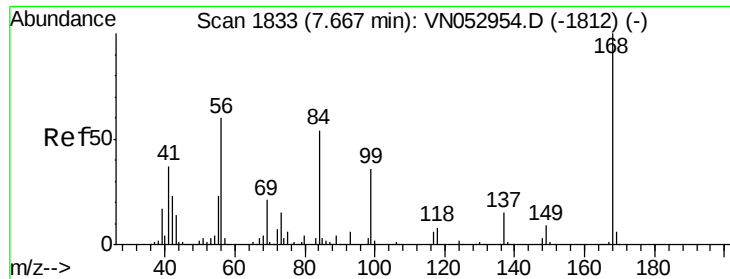
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122418\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

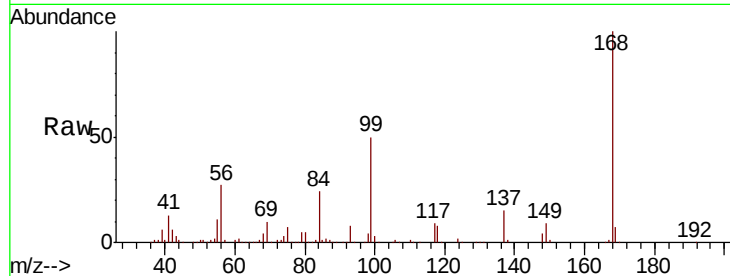
VN1224WBSD01

Tot Ion:168 Resp: 956080

Ion Ratio Lower Upper

168 100

99 49.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

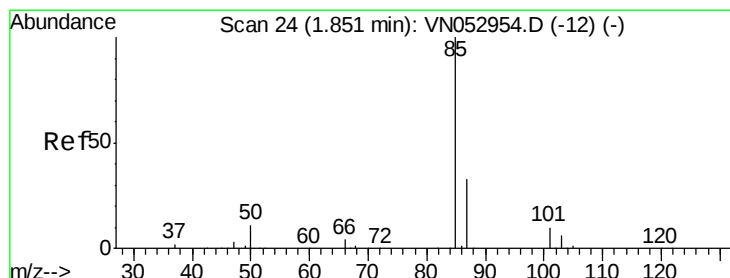
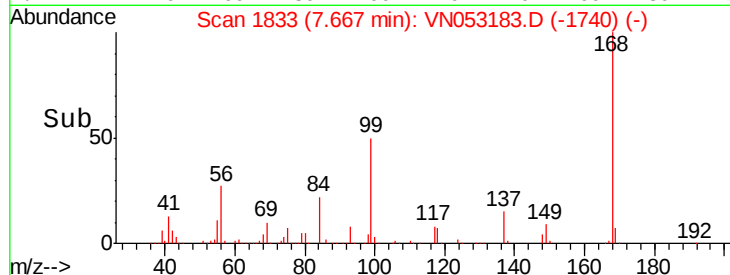
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.543 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053183.D

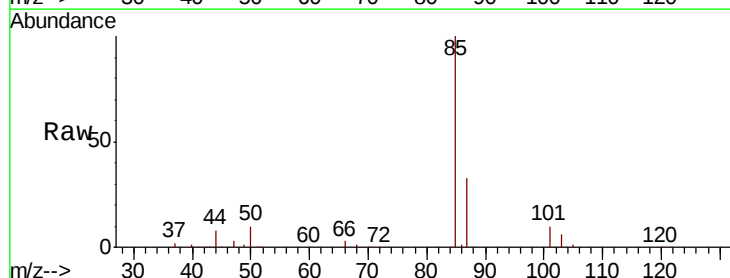
Acq: 24 Dec 2018 14:20

Tgt Ion: 85 Resp: 179423

Ion Ratio Lower Upper

85 100

87 33.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

150000

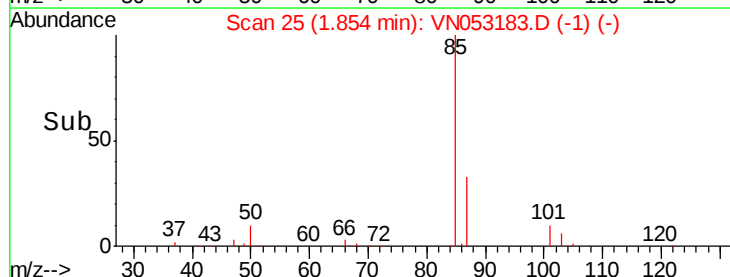
100000

50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.859 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

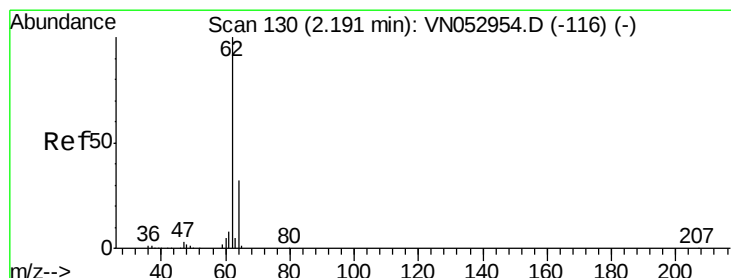
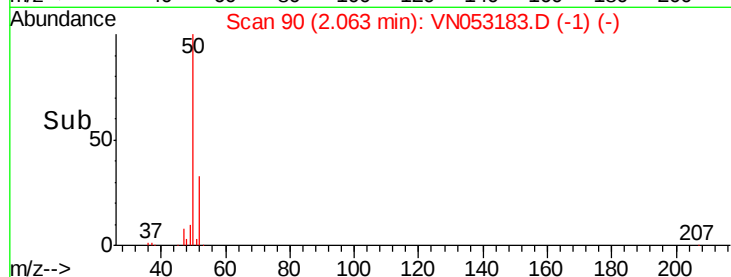
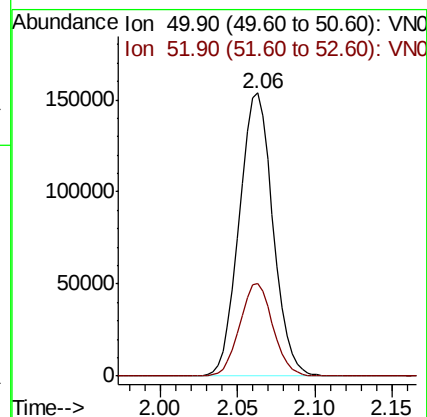
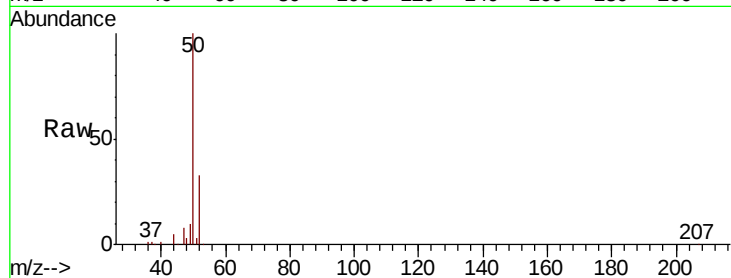
VN1224WBSD01

Tot Ion: 50 Resp: 232854

Ion Ratio Lower Upper

50 100

52 32.9 26.2 39.4



#4

Vinyl Chloride

Concen: 19.634 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053183.D

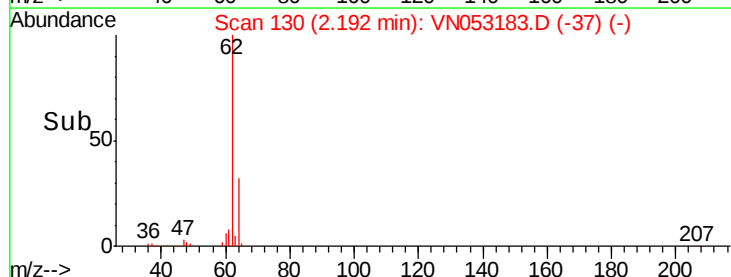
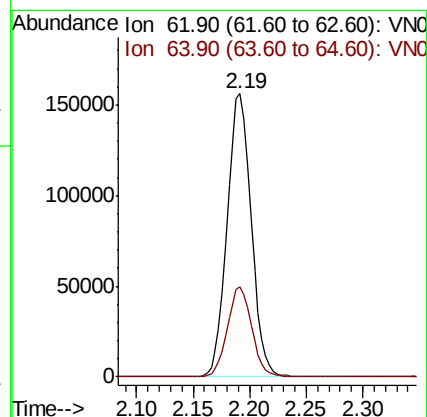
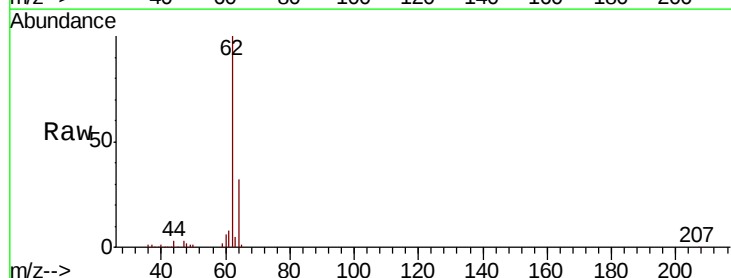
Acq: 24 Dec 2018 14:20

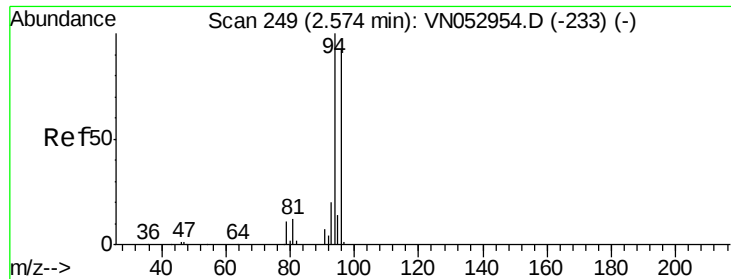
Tgt Ion: 62 Resp: 233160

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3





#5

Bromomethane

Concen: 18.005 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

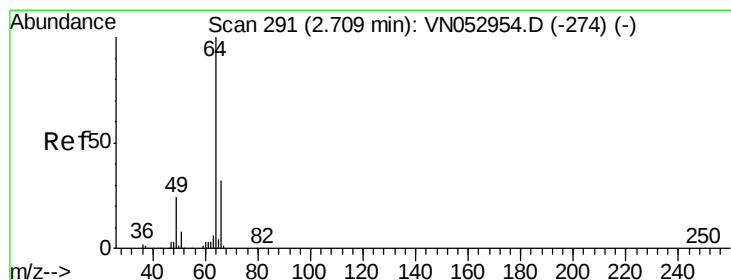
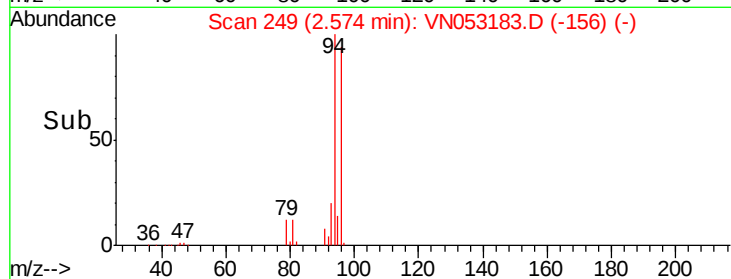
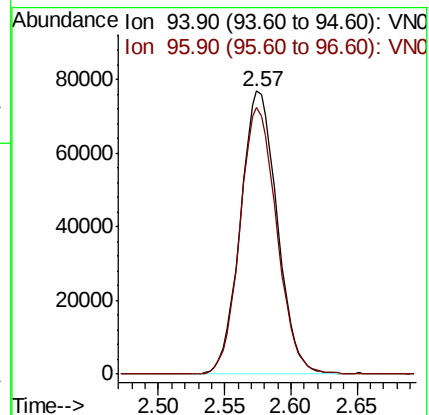
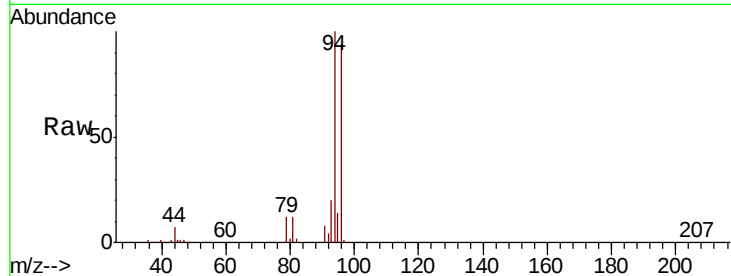
VN1224WBSD01

Tot Ion: 94 Resp: 148135

Ion Ratio Lower Upper

94 100

96 94.1 75.0 112.4



#6

Chloroethane

Concen: 19.883 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053183.D

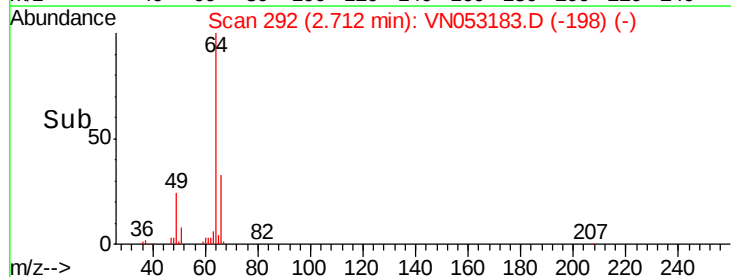
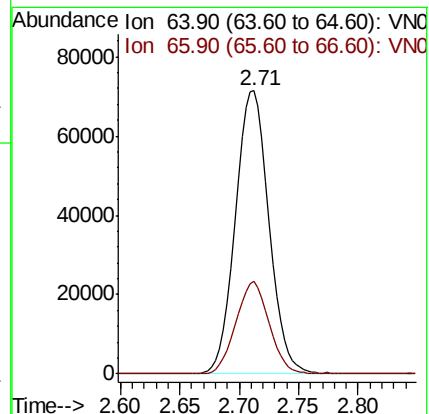
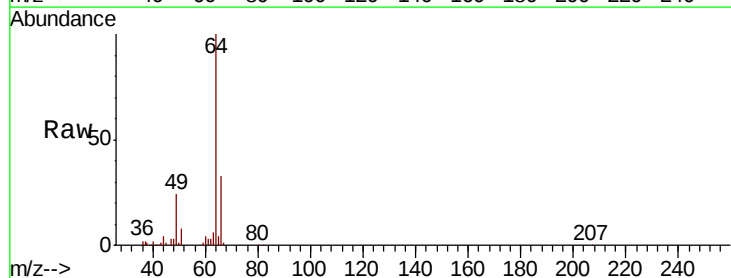
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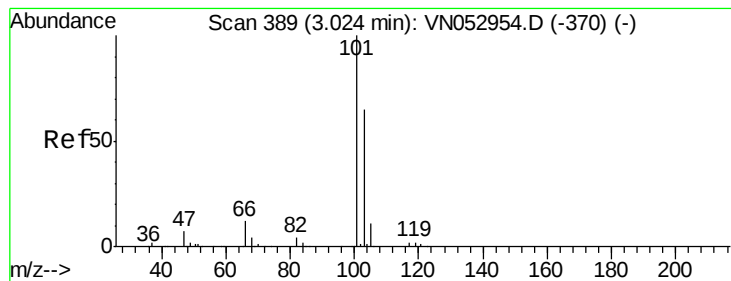
Tgt Ion: 64 Resp: 139842

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2



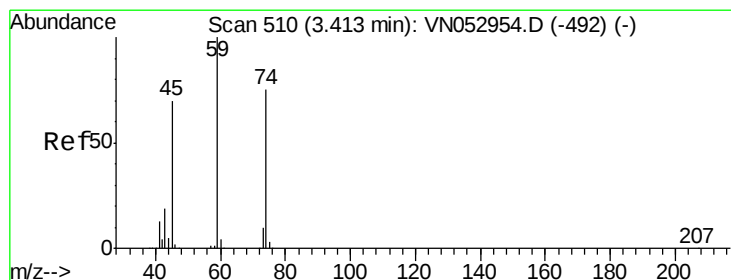
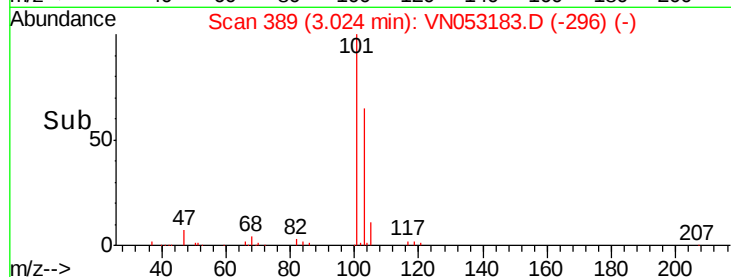
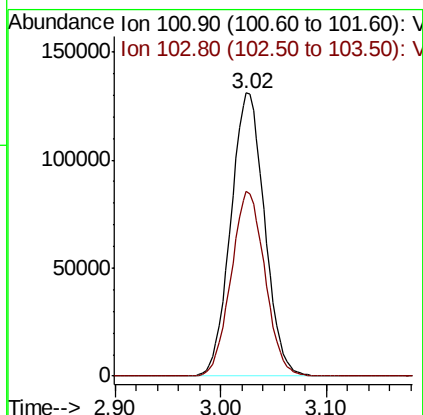
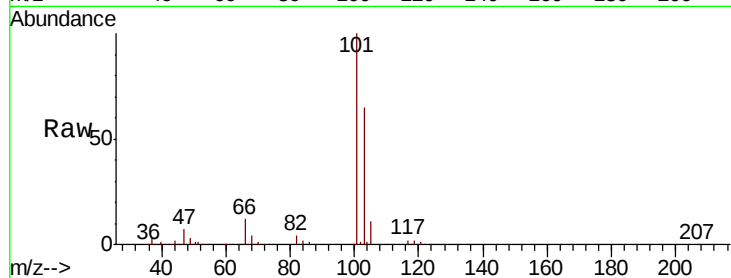


#7

Trichlorofluoromethane
 Concen: 19.685 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053183.D
 Acq: 24 Dec 2018 14:20

Instrument :
 MSVOA_N
 ClientSampled :
 VN1224WBSD01

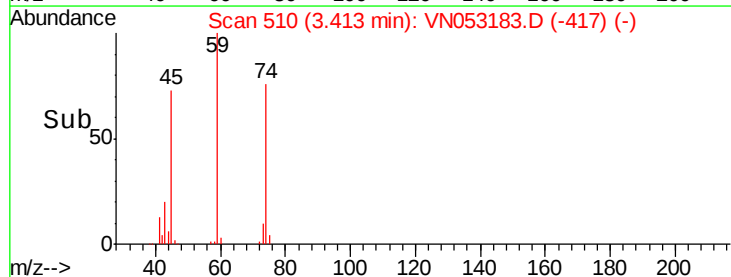
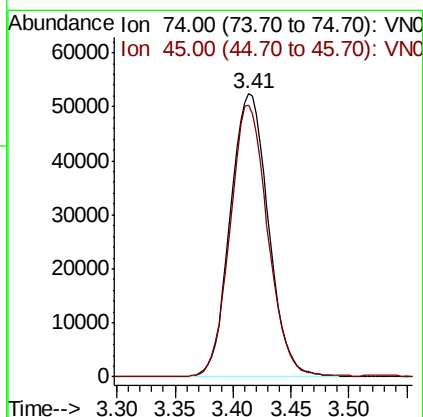
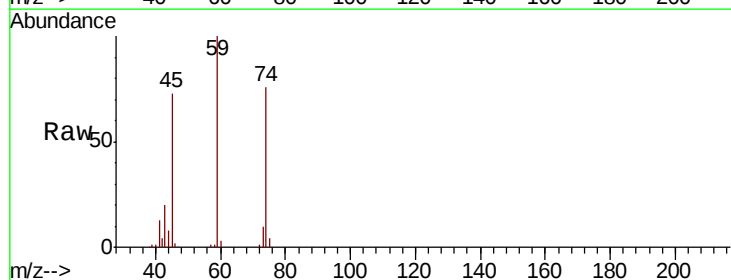
Tot Ion:101 Resp: 291217
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.8 77.6

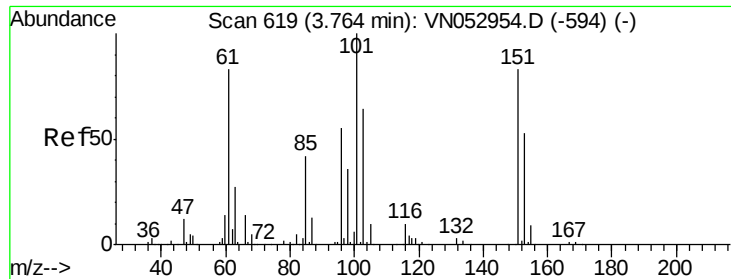


#8

Diethyl Ether
 Concen: 21.424 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053183.D
 Acq: 24 Dec 2018 14:20

Tgt Ion: 74 Resp: 119566
 Ion Ratio Lower Upper
 74 100
 45 94.8 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.610 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBSD01

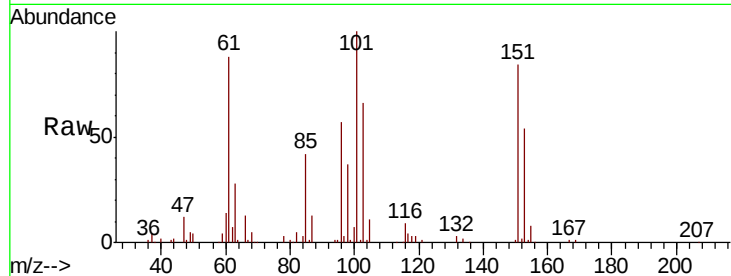
Tot Ion:101 Resp: 184964

Ion Ratio Lower Upper

101 100

85 42.2 33.6 50.4

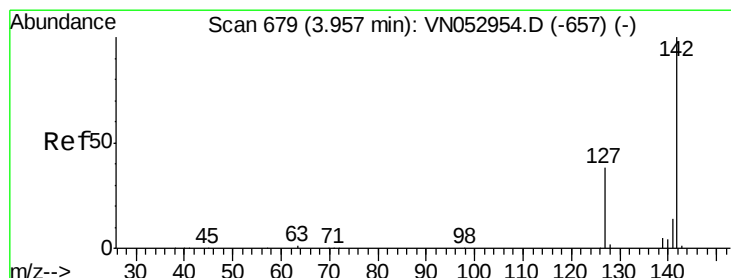
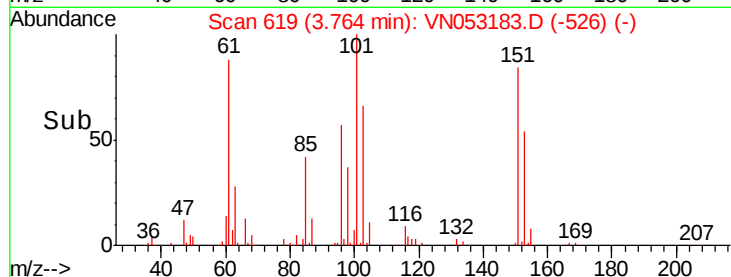
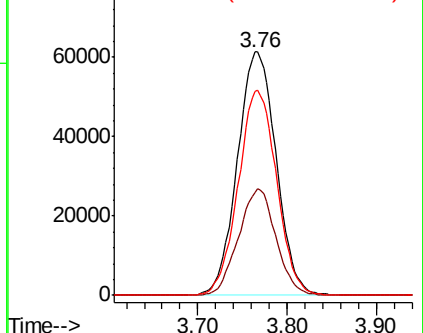
151 83.5 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.336 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

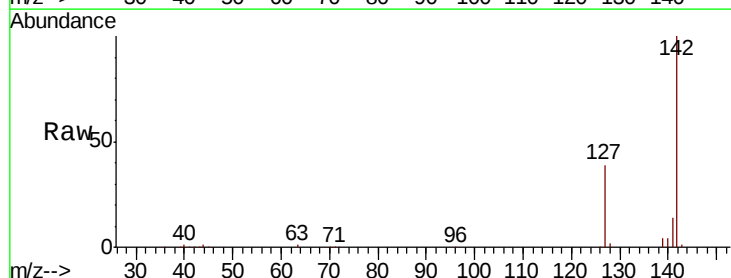
Tgt Ion:142 Resp: 242877

Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.6

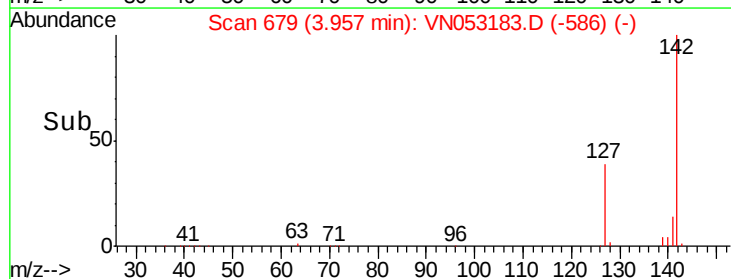
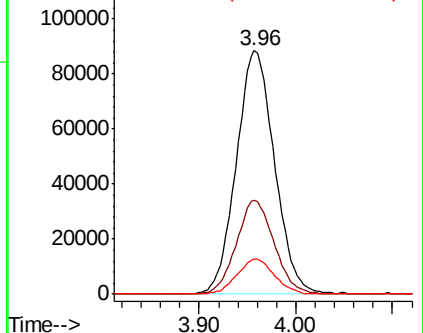
141 14.1 11.2 16.8

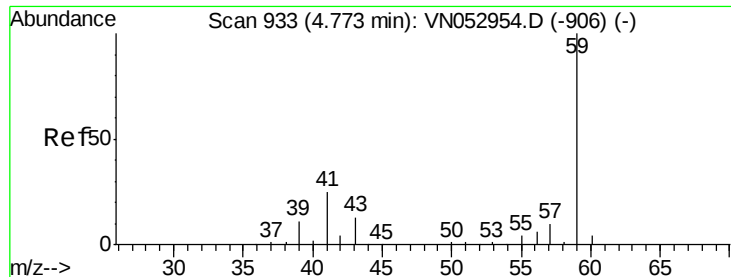


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

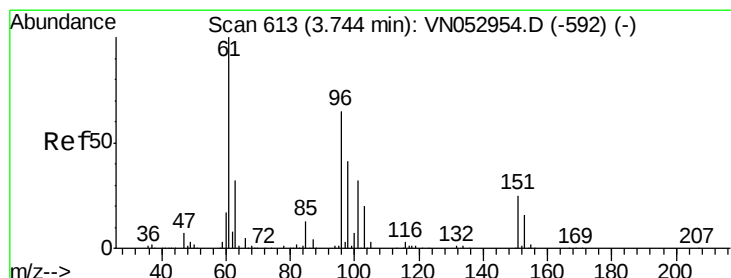
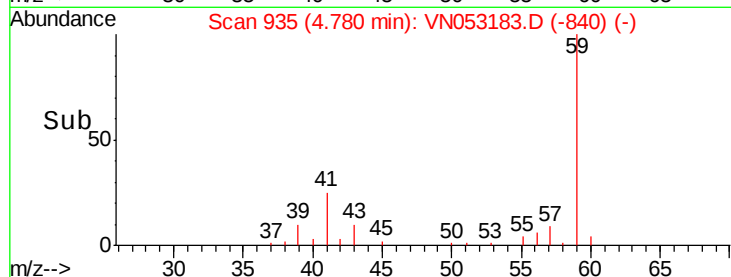
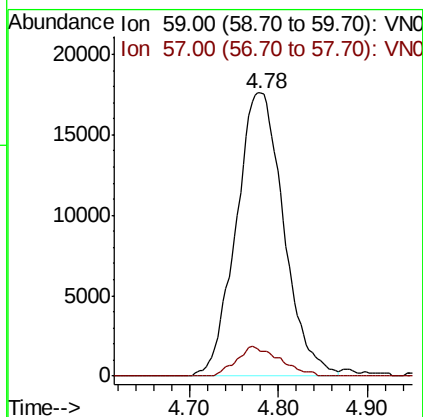
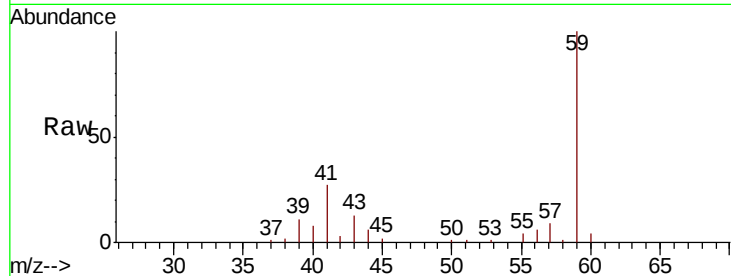




#11
Tert butyl alcohol
Concen: 110.059 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

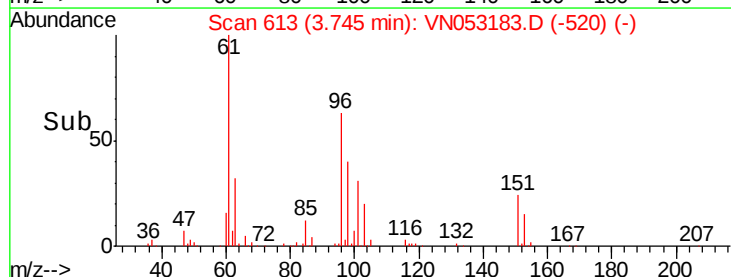
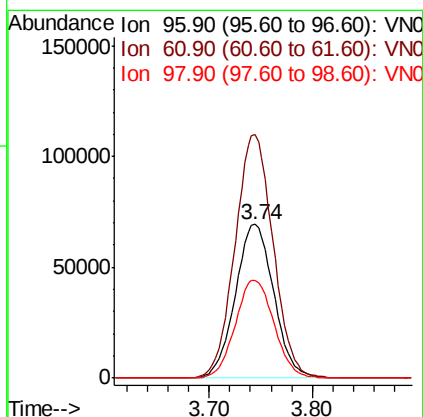
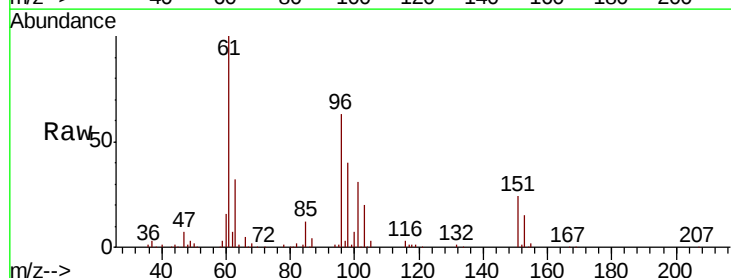
Instrument :
MSVOA_N
ClientSampleId :
VN1224WBSD01

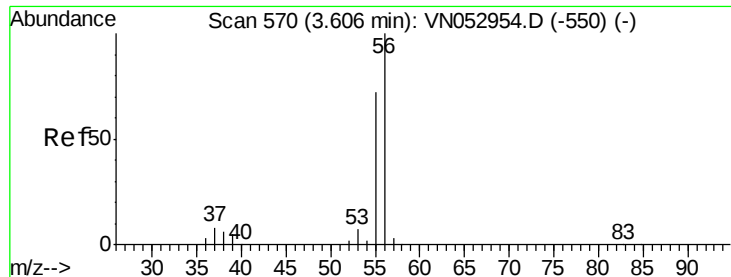
Tot Ion: 59 Resp: 65155
Ion Ratio Lower Upper
59 100
57 9.2 7.7 11.5



#12
1,1-Dichloroethene
Concen: 19.703 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Tgt Ion: 96 Resp: 179547
Ion Ratio Lower Upper
96 100
61 158.6 125.6 188.4
98 63.6 50.6 75.8

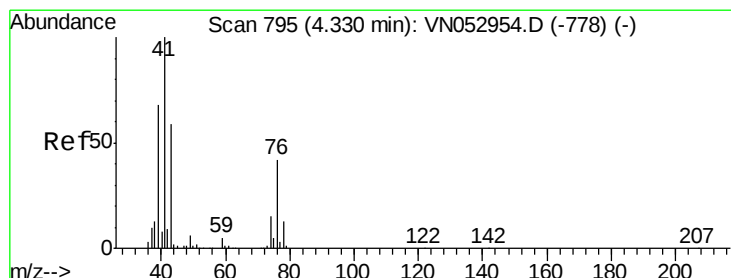
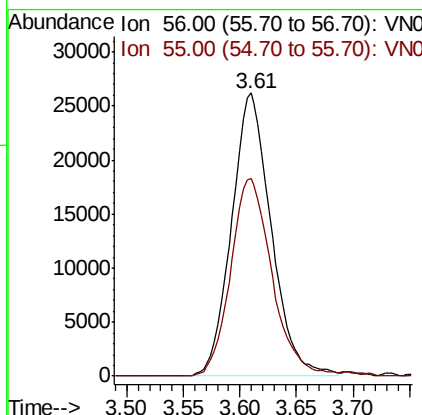
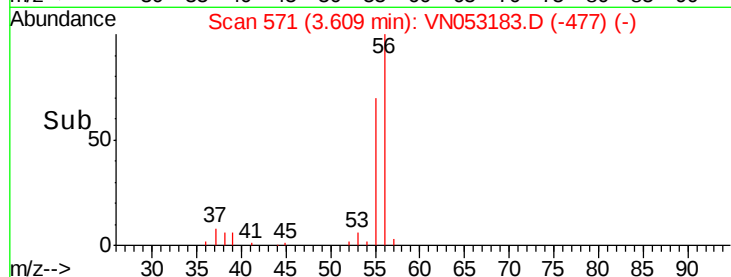
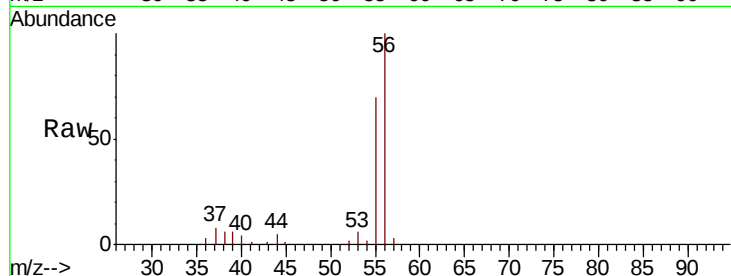




#13
Acrolein
Concen: 119.208 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

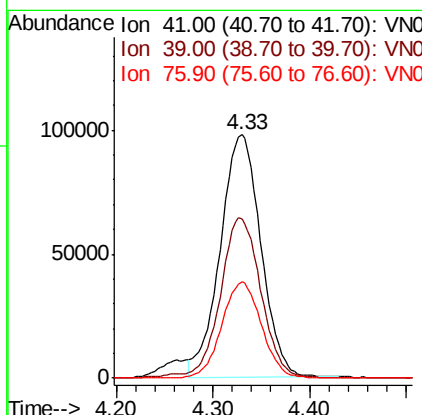
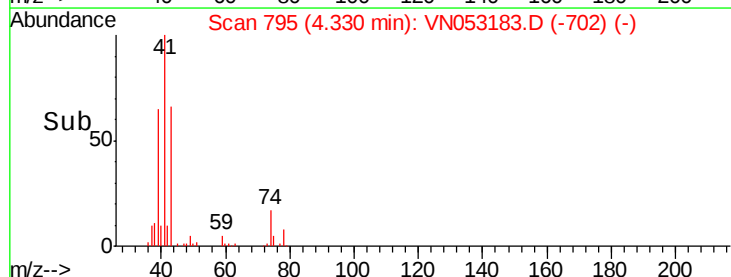
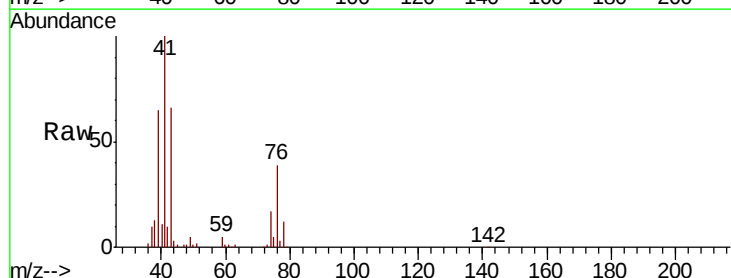
Instrument :
MSVOA_N
ClientSampleId :
VN1224WBSD01

Tot Ion: 56 Resp: 63990
Ion Ratio Lower Upper
56 100
55 72.5 56.6 85.0



#14
Allyl chloride
Concen: 20.274 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Tgt Ion: 41 Resp: 286178
Ion Ratio Lower Upper
41 100
39 64.9 54.1 81.1
76 38.8 30.3 45.5





#15

Acrylonitrile

Concen: 108.425 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampled :

VN1224WBSD01

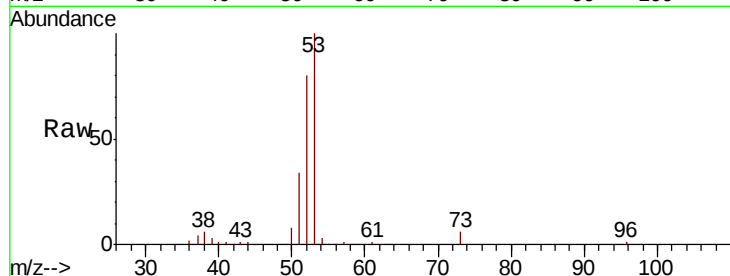
Tot Ion: 53 Resp: 356596

Ion Ratio Lower Upper

53 100

52 81.0 65.1 97.7

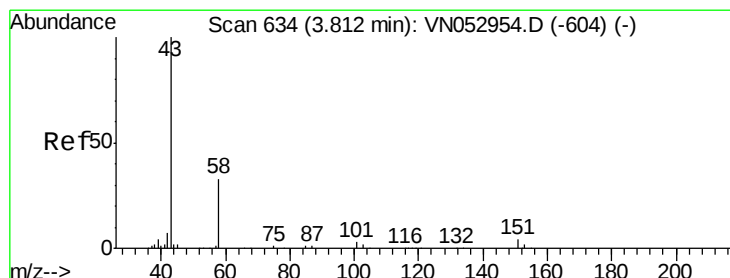
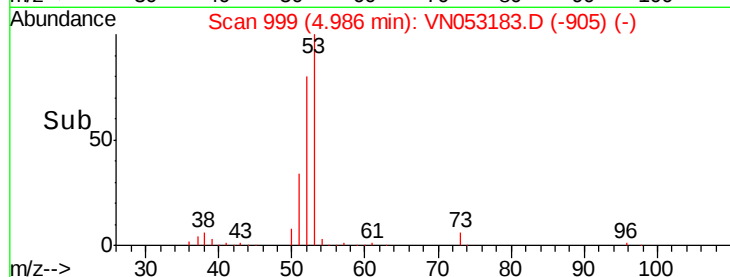
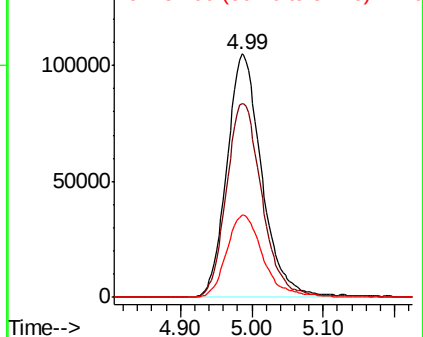
51 35.6 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 113.709 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053183.D

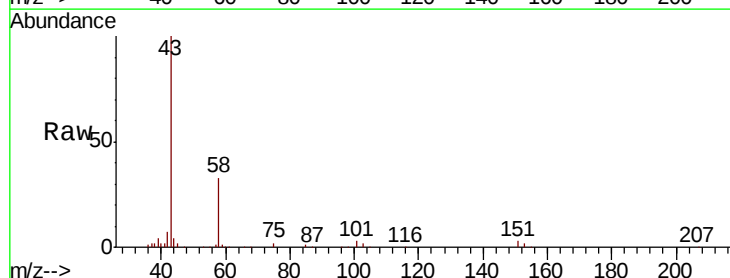
Acq: 24 Dec 2018 14:20

Tgt Ion: 43 Resp: 216313

Ion Ratio Lower Upper

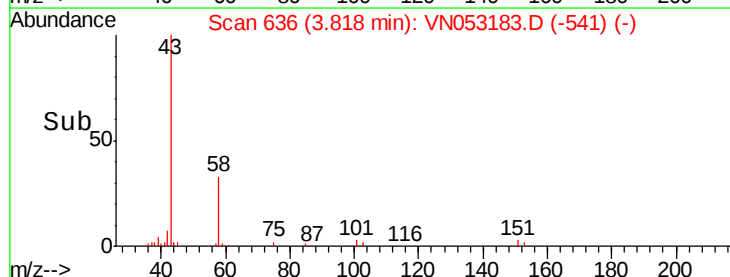
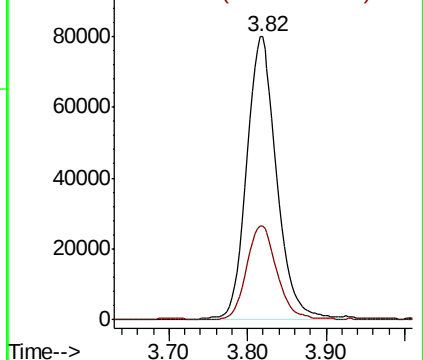
43 100

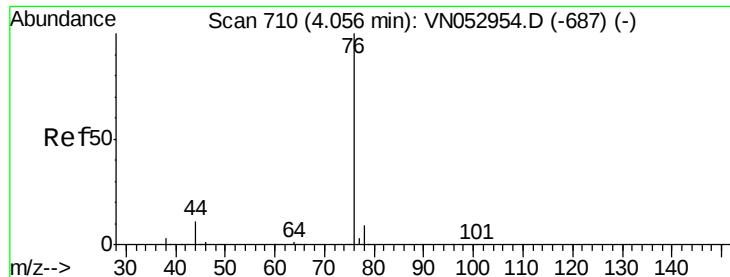
58 32.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.739 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

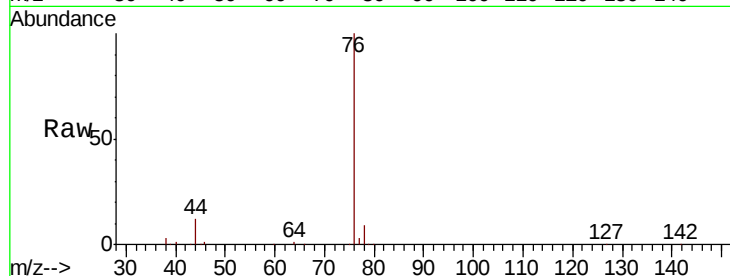
VN1224WBSD01

Tot Ion: 76 Resp: 497463

Ion Ratio Lower Upper

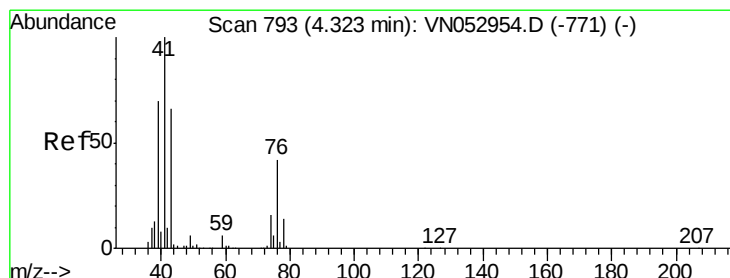
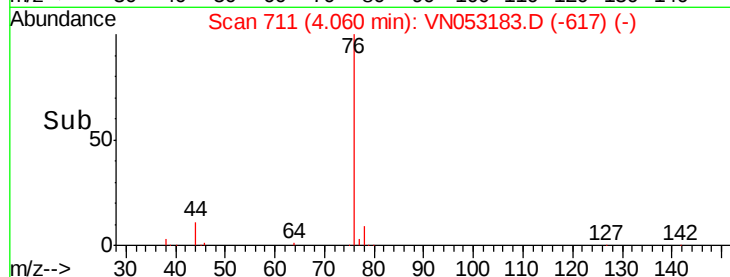
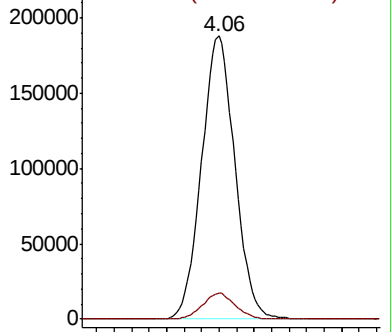
76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.922 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053183.D

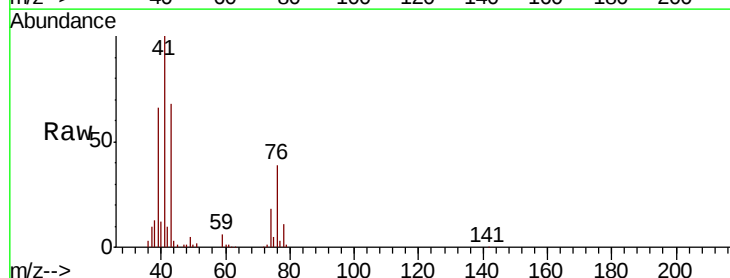
Acq: 24 Dec 2018 14:20

Tgt Ion: 43 Resp: 193179

Ion Ratio Lower Upper

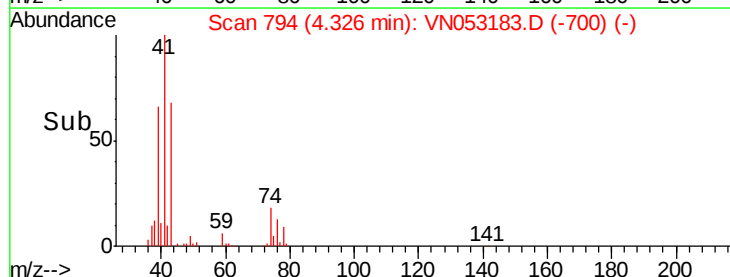
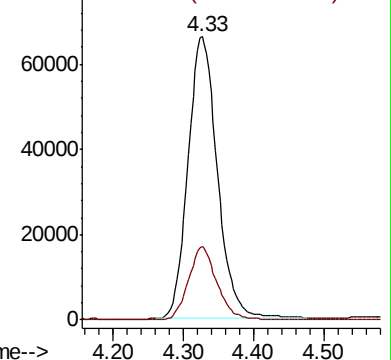
43 100

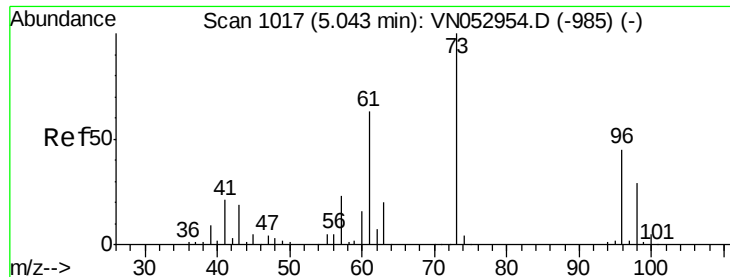
74 25.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

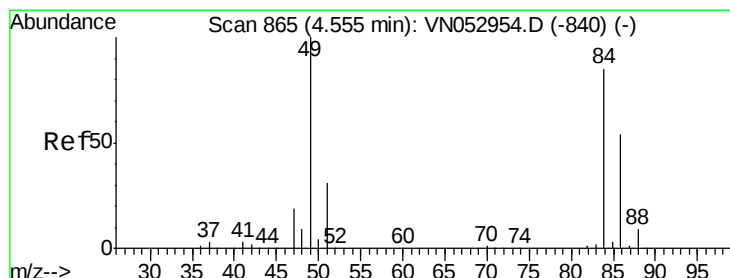
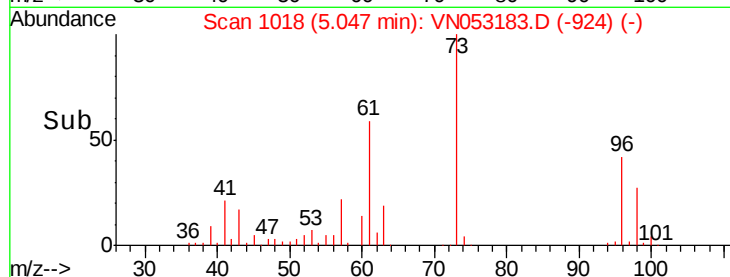
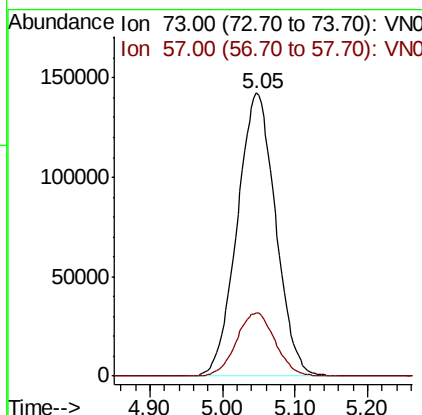
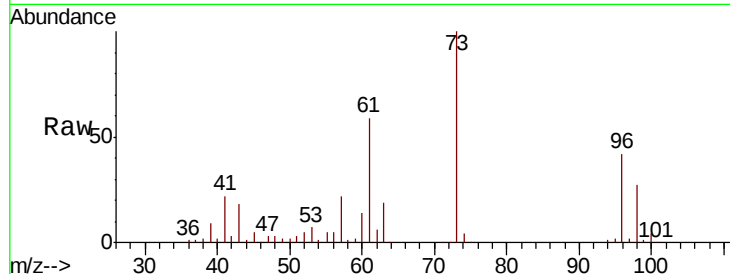




#19
Methyl tert-butyl Ether
Concen: 21.486 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

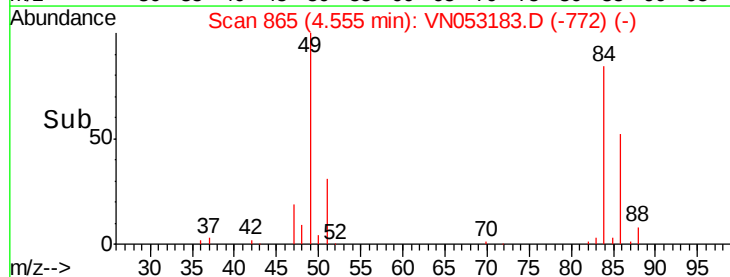
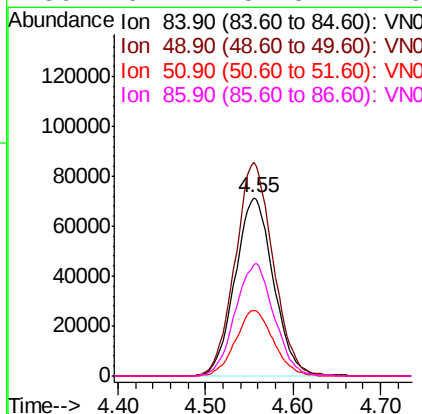
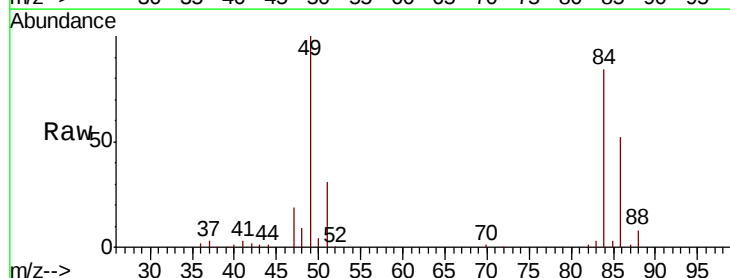
Instrument :
MSVOA_N
ClientSampleId :
VN1224WBSD01

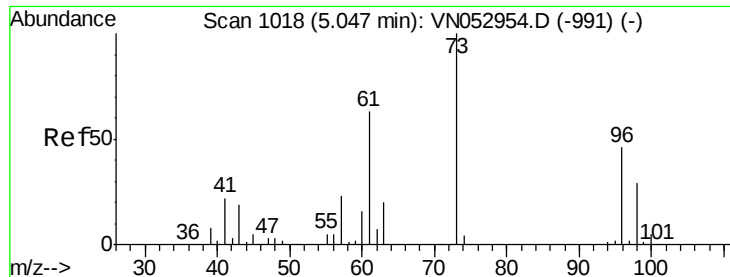
Tot Ion: 73 Resp: 523967
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6



#20
Methylene Chloride
Concen: 20.970 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Tgt Ion: 84 Resp: 217601
Ion Ratio Lower Upper
84 100
49 119.6 96.8 145.2
51 36.9 29.9 44.9
86 62.4 51.8 77.6

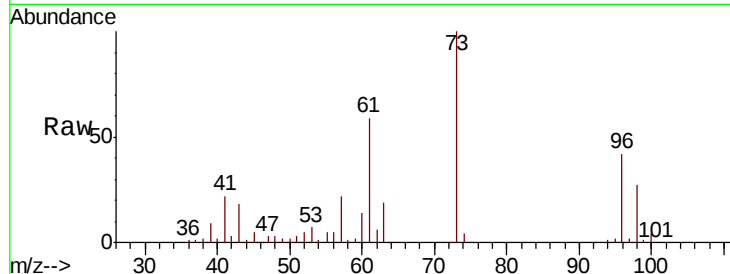




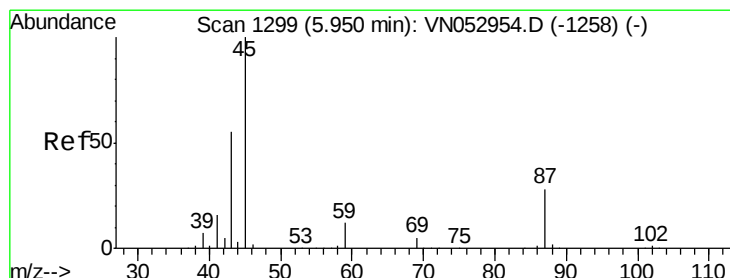
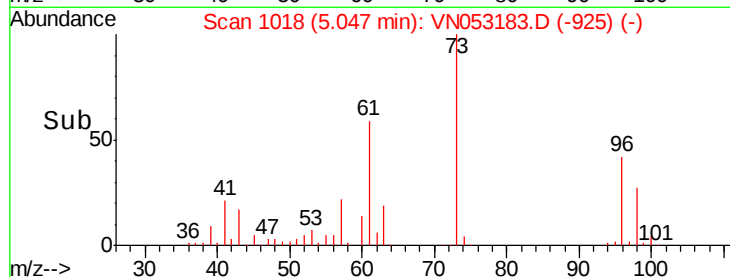
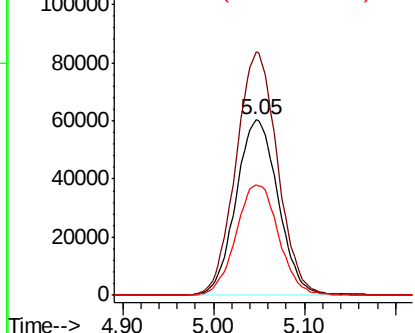
#21
trans-1,2-Dichloroethene
Concen: 19.854 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBSD01

Tot Ion: 96 Resp: 194384
Ion Ratio Lower Upper
96 100
61 138.6 110.8 166.2
98 62.9 51.4 77.2

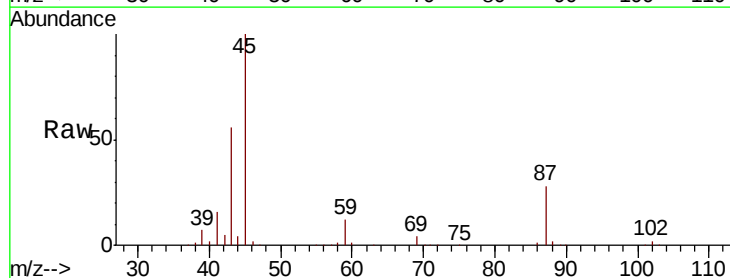


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

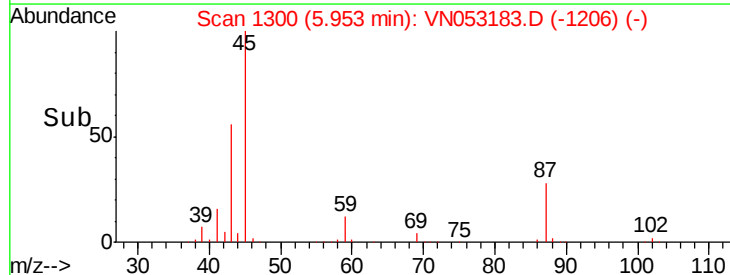
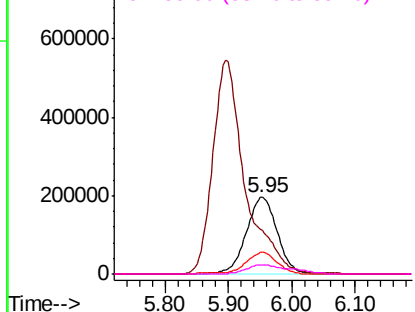


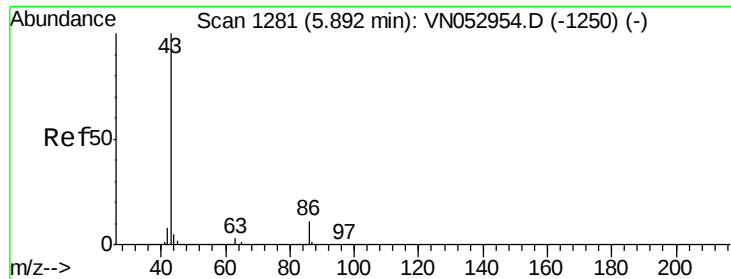
#22
Diisopropyl ether
Concen: 21.999 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Tgt Ion: 45 Resp: 662812
Ion Ratio Lower Upper
45 100
43 55.1 45.5 68.3
87 28.1 22.0 33.0
59 12.0 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

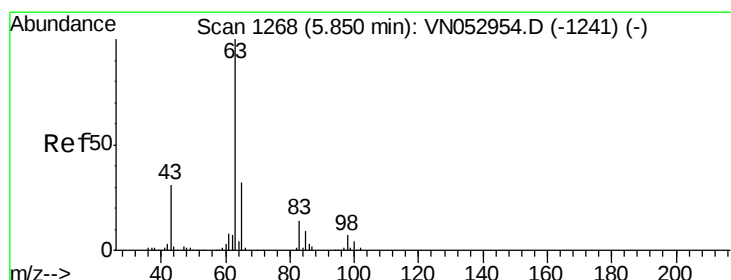
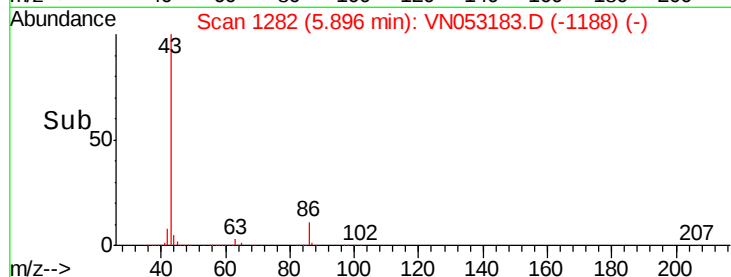
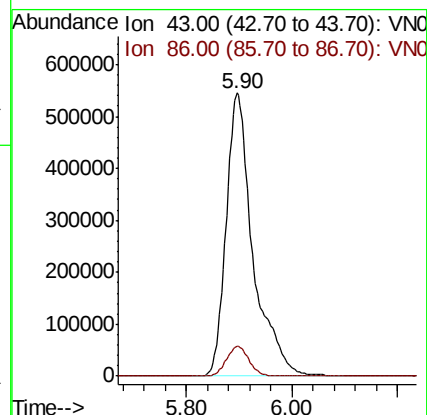
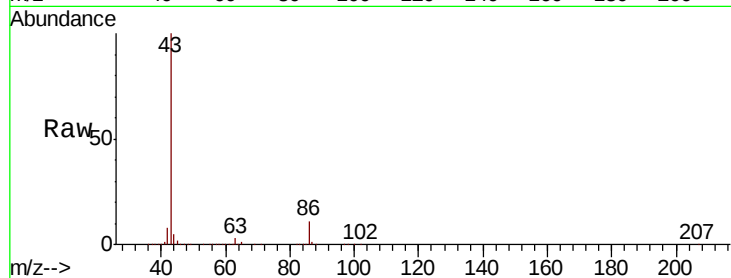




#23
 Vinyl Acetate
 Concen: 110.826 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053183.D
 Acq: 24 Dec 2018 14:20

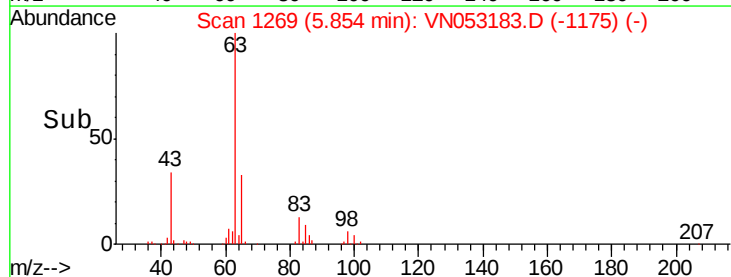
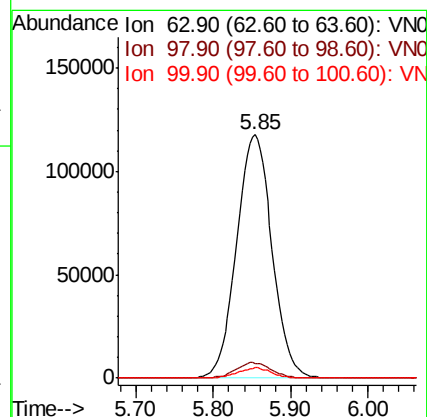
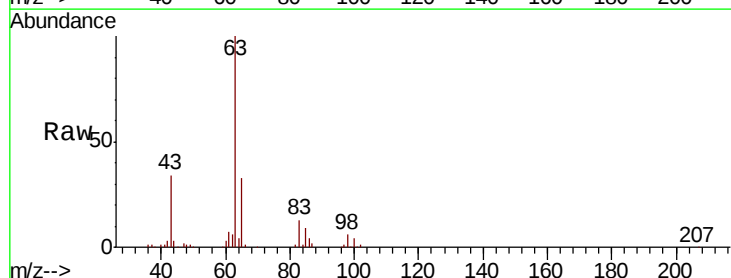
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBSD01

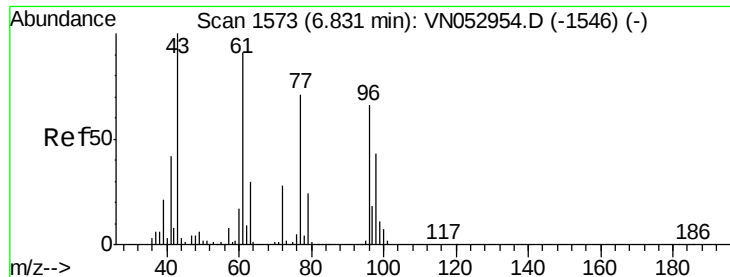
Tot Ion: 43 Resp: 1920093
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 20.848 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053183.D
 Acq: 24 Dec 2018 14:20

Tgt Ion: 63 Resp: 373249
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.1 9.4
 100 4.2 2.0 5.8





#25

2-Butanone

Concen: 116.253 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampled :

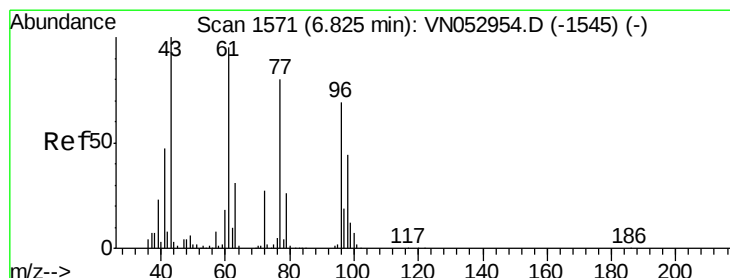
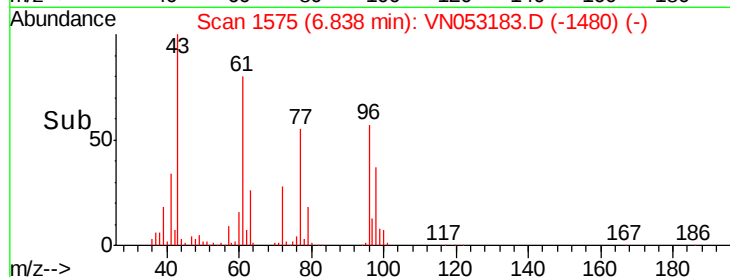
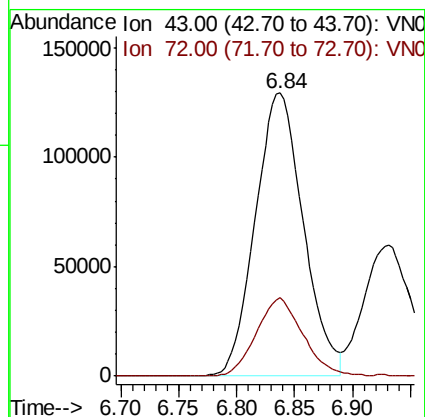
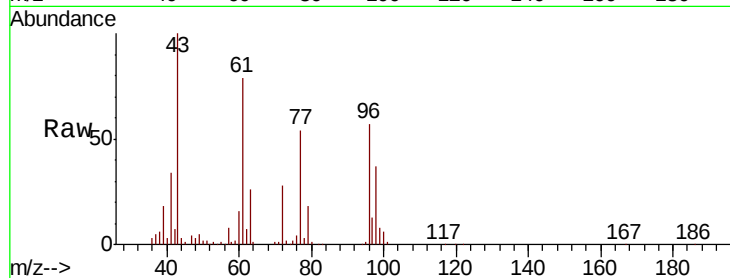
VN1224WBSD01

Tot Ion: 43 Resp: 371148

Ion Ratio Lower Upper

43 100

72 27.6 21.0 31.6



#26

2,2-Dichloropropane

Concen: 18.687 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053183.D

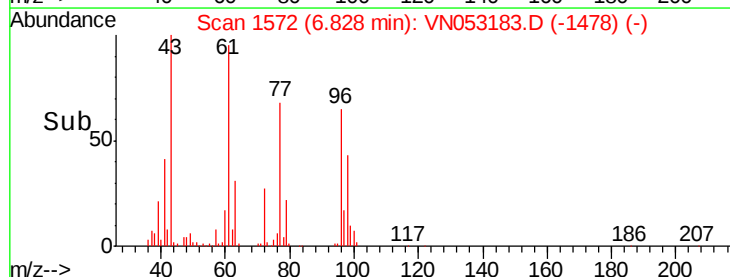
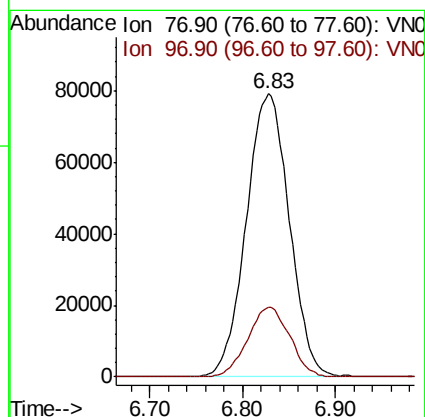
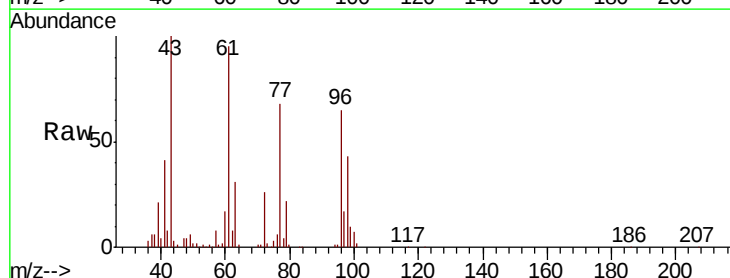
Acq: 24 Dec 2018 14:20

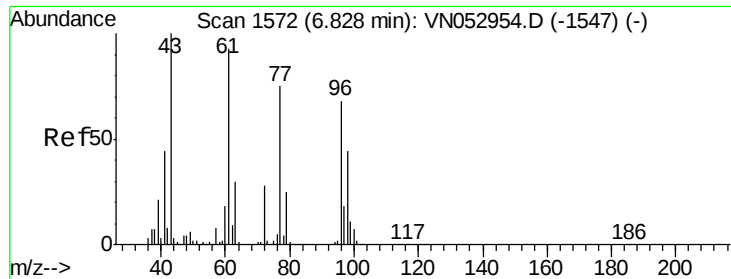
Tgt Ion: 77 Resp: 255397

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.498 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBSD01

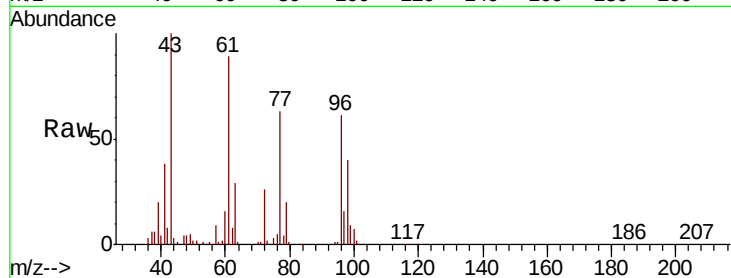
Tot Ion: 96 Resp: 227209

Ion Ratio Lower Upper

96 100

61 143.0 0.0 284.2

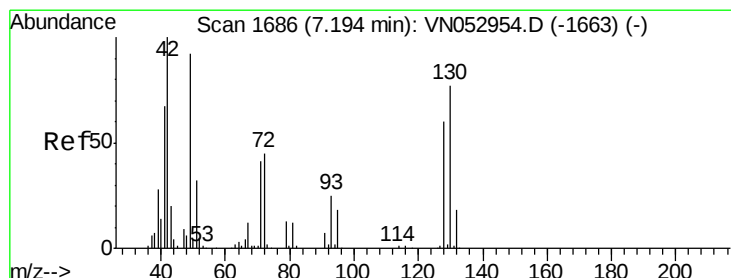
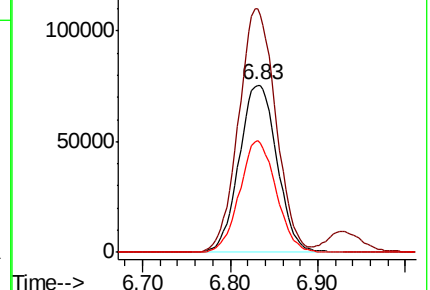
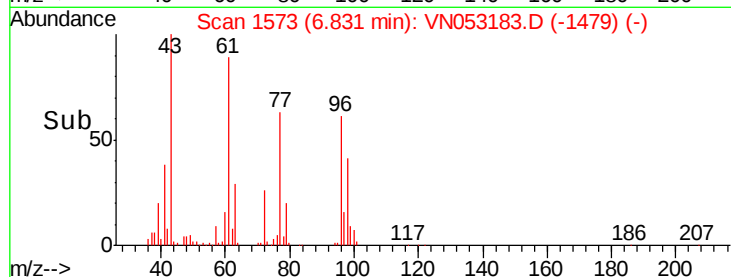
98 64.2 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.568 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

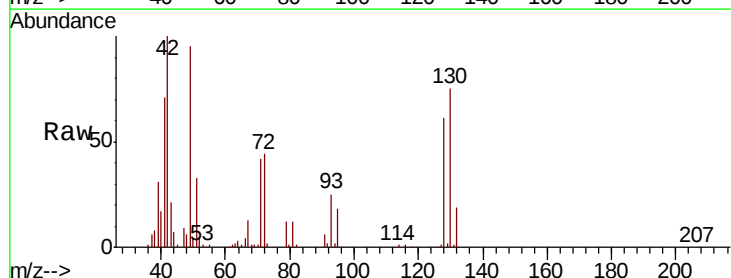
Tgt Ion: 49 Resp: 167325

Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.0

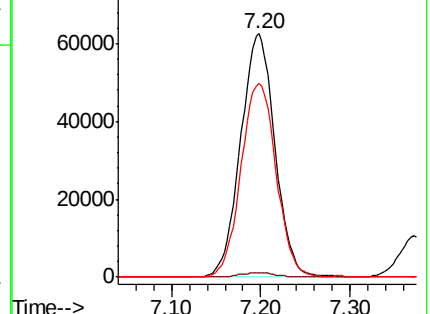
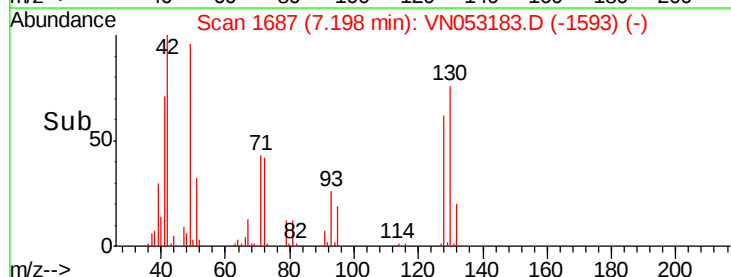
130 81.5 63.3 94.9

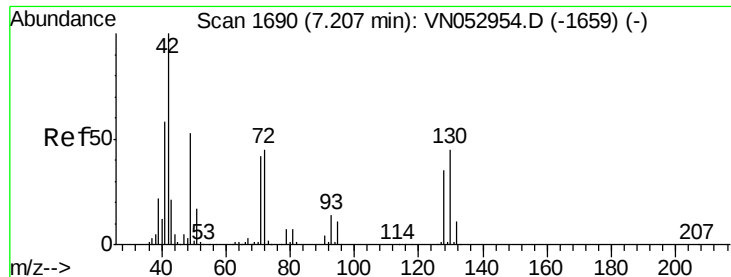


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

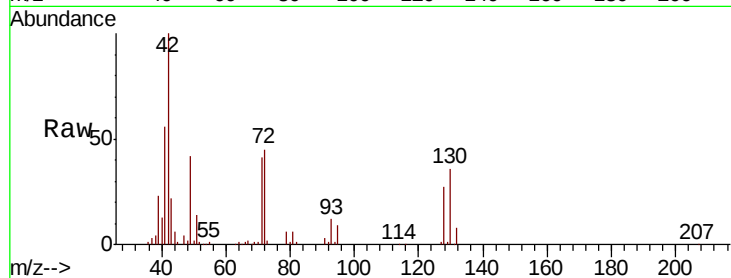




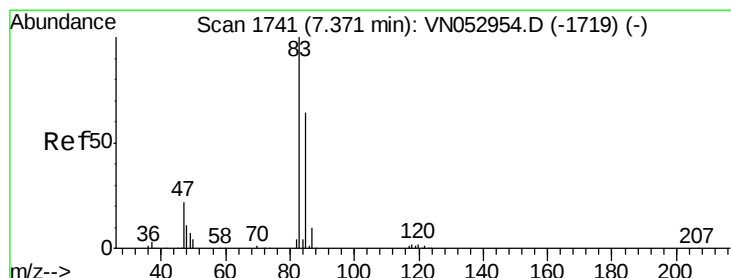
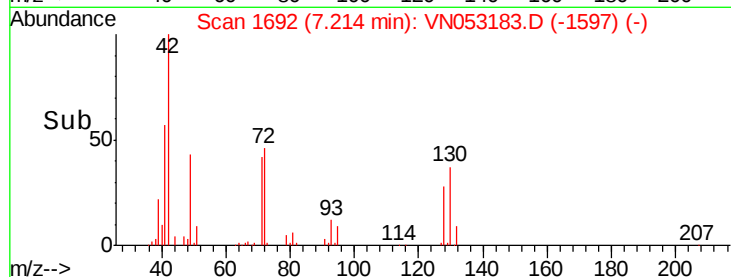
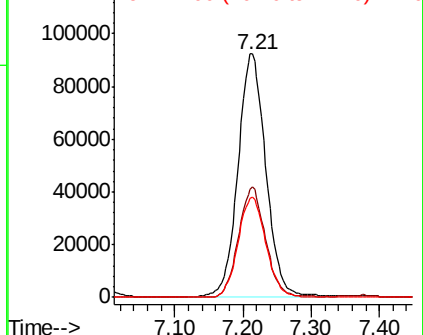
#29
Tetrahydrofuran
Concen: 110.666 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Instrument :
MSVOA_N
ClientSampleId :
VN1224WBSD01

Tot Ion: 42 Resp: 263876
Ion Ratio Lower Upper
42 100
72 43.7 34.7 52.1
71 40.9 32.3 48.5

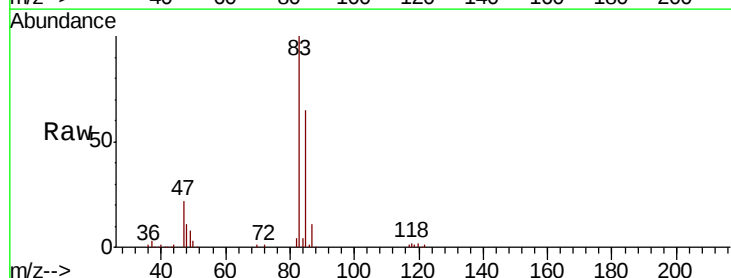


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

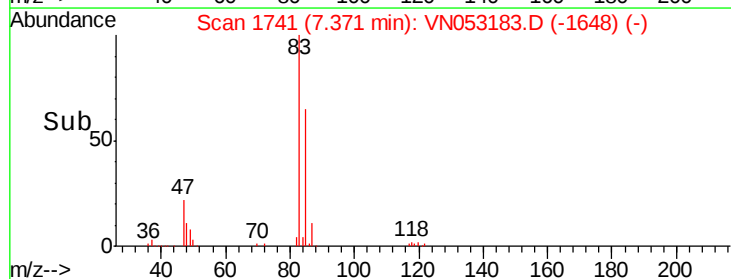
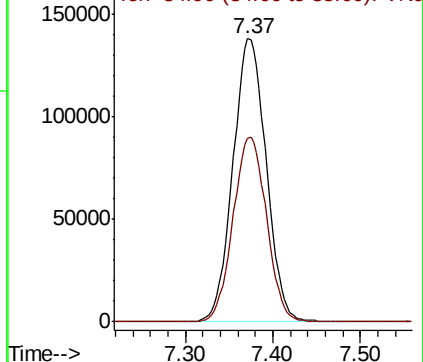


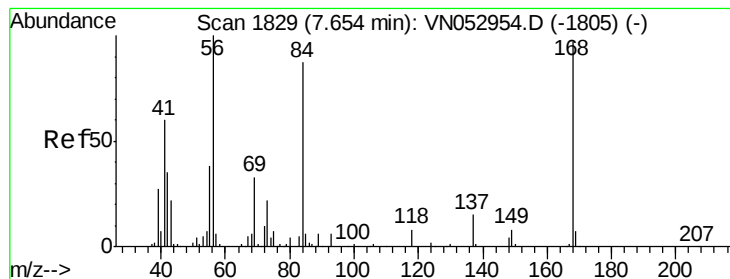
#30
Chloroform
Concen: 20.743 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Tgt Ion: 83 Resp: 364827
Ion Ratio Lower Upper
83 100
85 64.9 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cvclohexane

Concen: 19.876 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBSD01

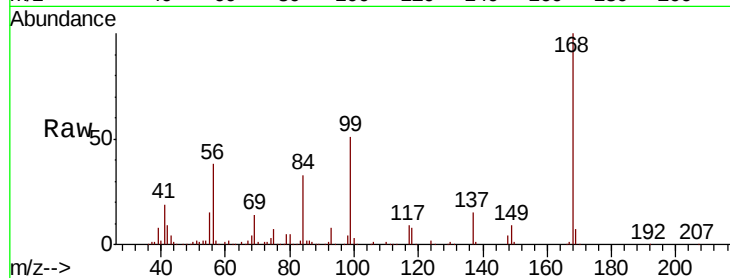
Tot Ion: 56 Resp: 344373

Ion Ratio Lower Upper

56 100

69 36.3 26.6 39.8

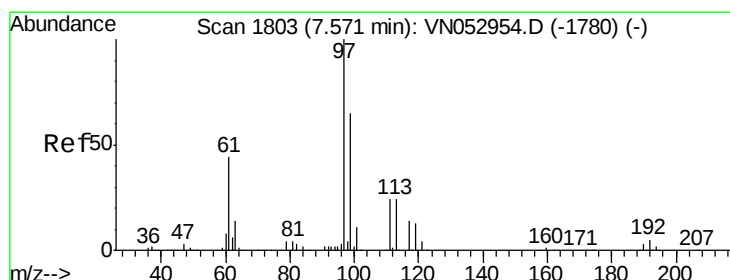
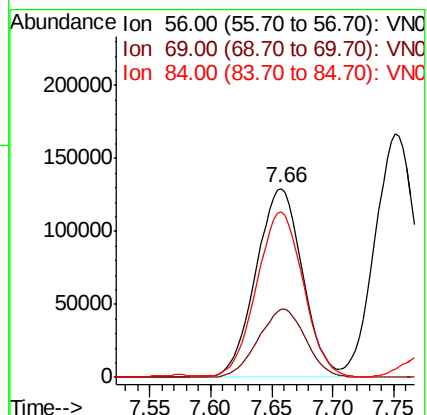
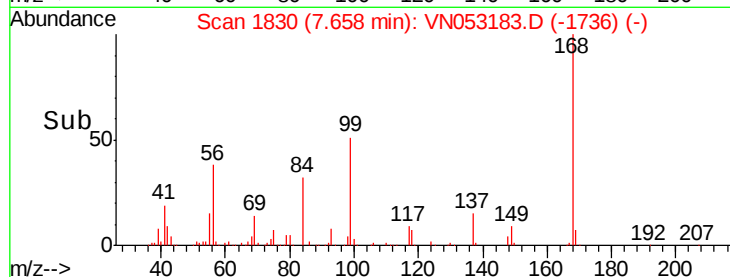
84 86.8 68.4 102.6



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: 20.031 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

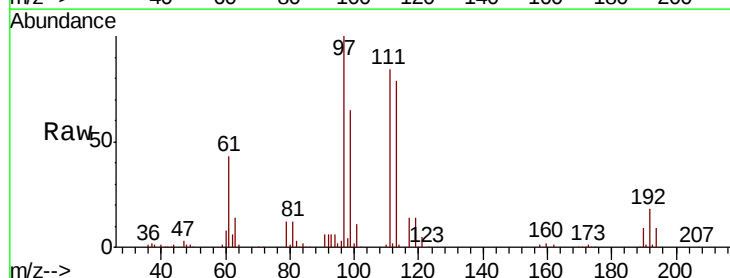
Tgt Ion: 97 Resp: 300116

Ion Ratio Lower Upper

97 100

99 64.6 51.1 76.7

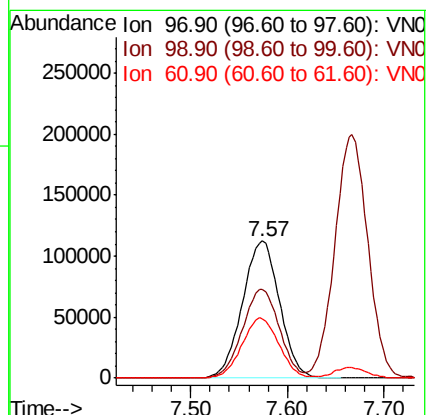
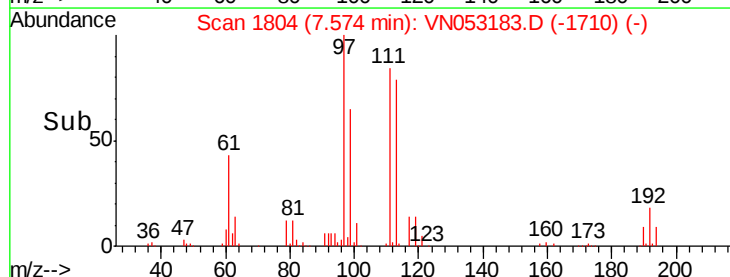
61 43.8 35.0 52.6



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

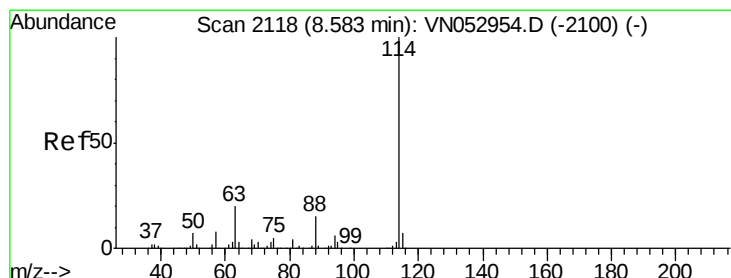
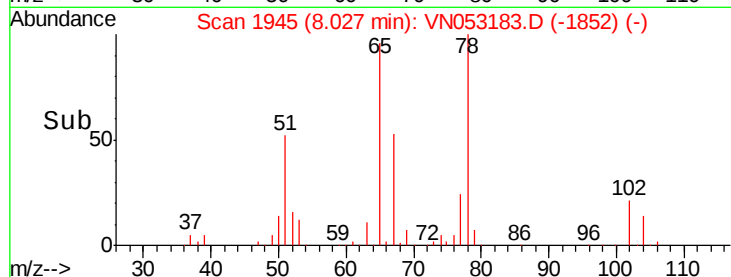
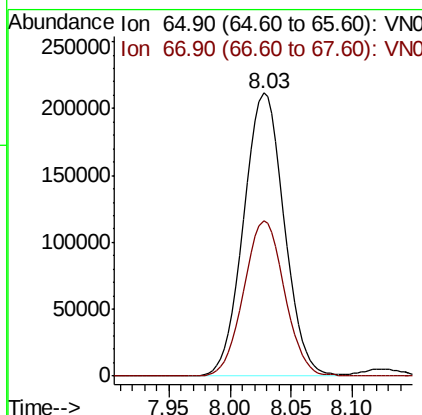
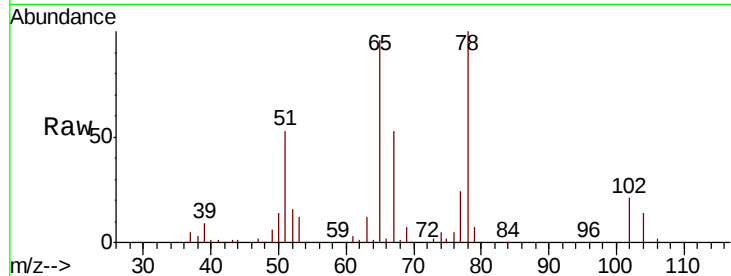




#33
 1,2-Dichloroethane-d4
 Concen: 20.031 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053183.D
 Acq: 24 Dec 2018 14:20

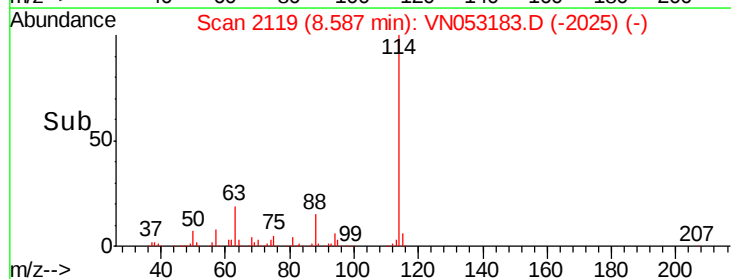
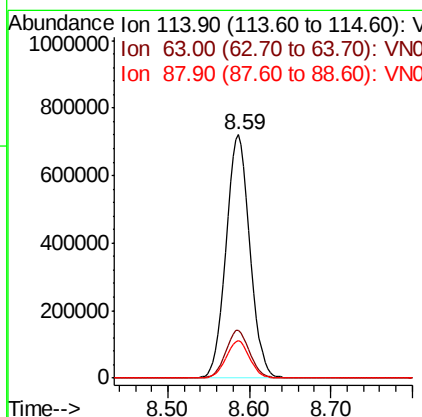
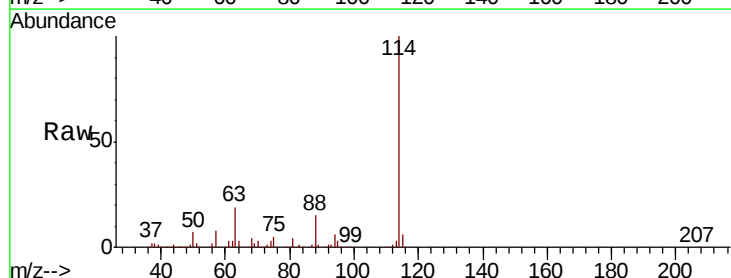
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBSD01

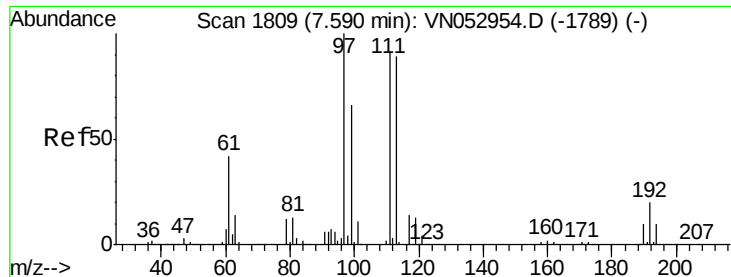
Tot Ion: 65 Resp: 486472
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053183.D
 Acq: 24 Dec 2018 14:20

Tgt Ion: 114 Resp: 1485079
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.4 0.0 31.0

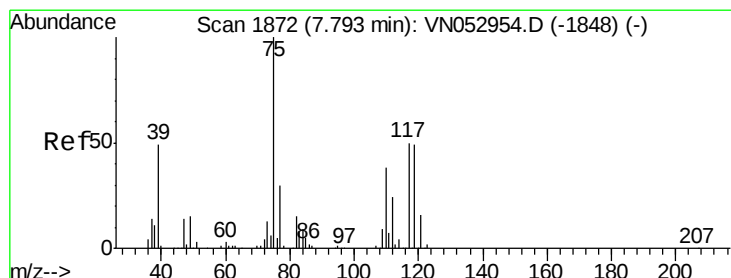
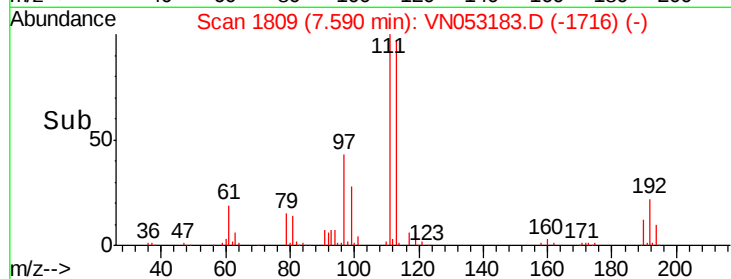
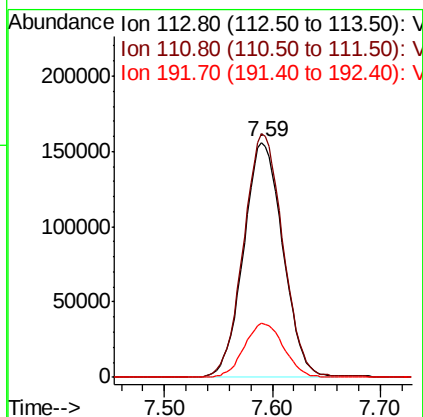
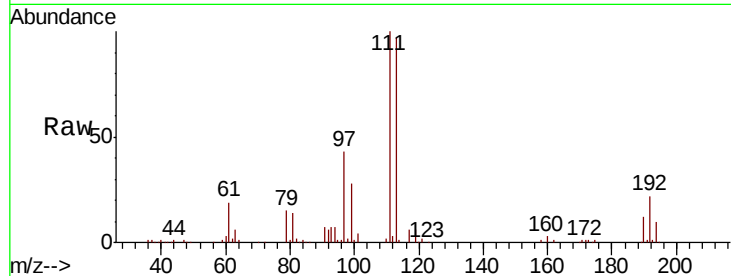




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

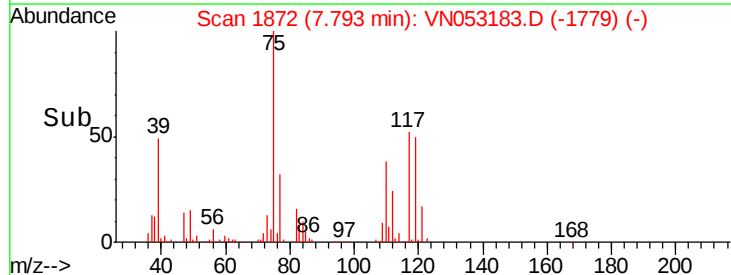
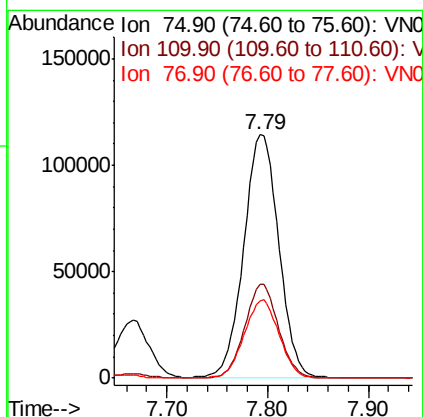
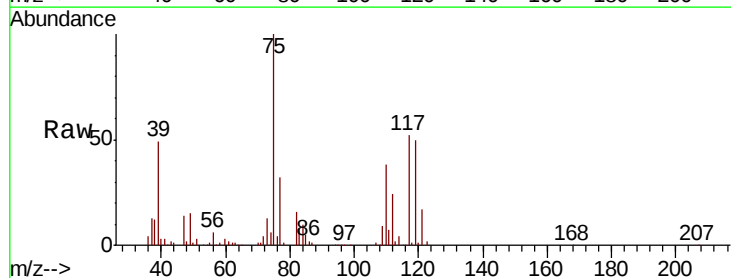
Instrument :
MSVOA_N
ClientSampleId :
VN1224WBSD01

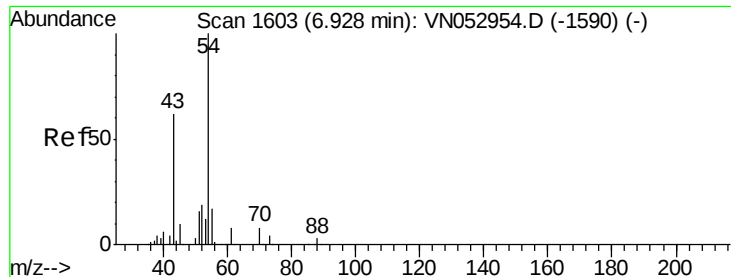
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.0	124.4
192	23.2	17.5	26.3



#36
1,1-Dichloropropene
Concen: 19.270 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.2	54.6
77	32.2	24.9	37.3

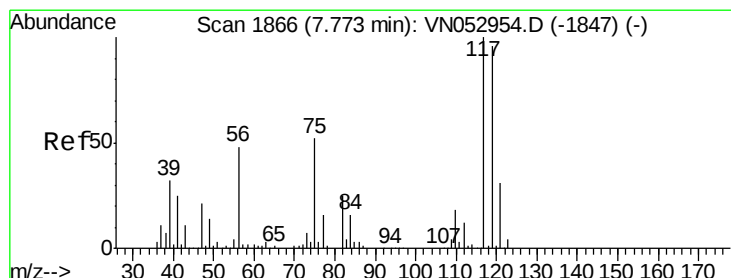
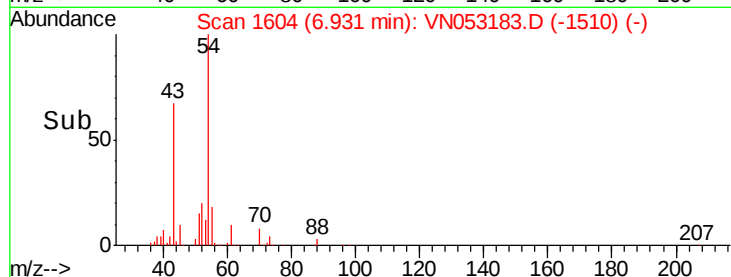
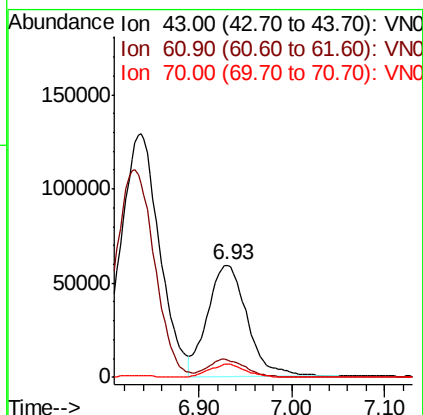
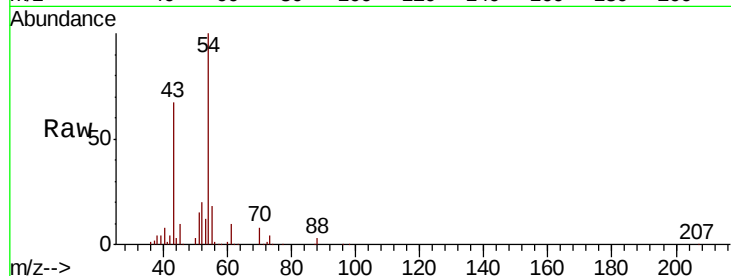




#37
Ethyl Acetate
Concen: 21.957 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

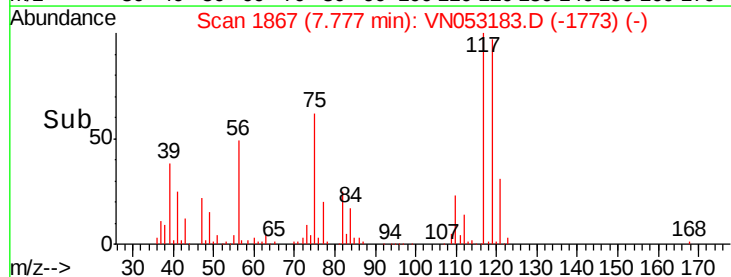
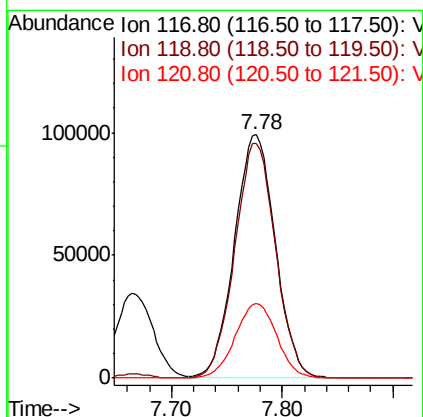
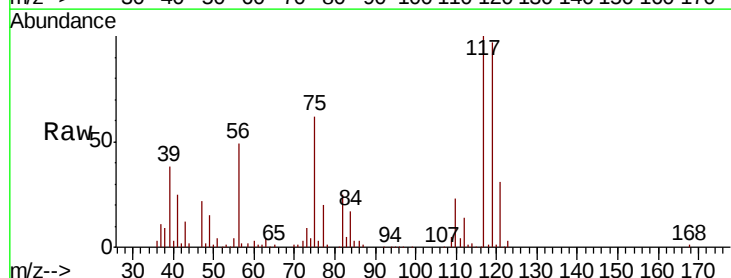
Instrument :
MSVOA_N
ClientSampleID :
VN1224WBSD01

Tot Ion: 43 Resp: 174721
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.511 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Tgt Ion: 117 Resp: 254917
Ion Ratio Lower Upper
117 100
119 96.4 77.1 115.7
121 30.8 24.9 37.3

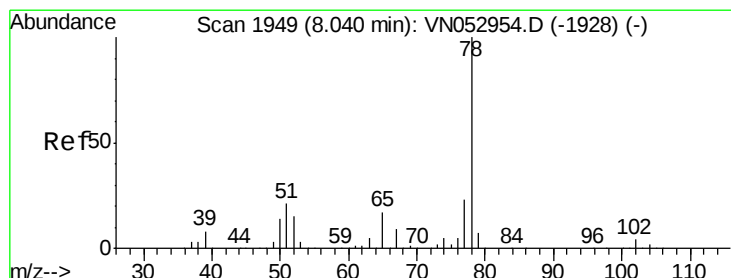
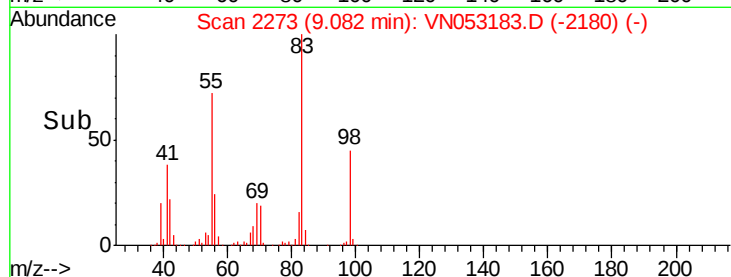
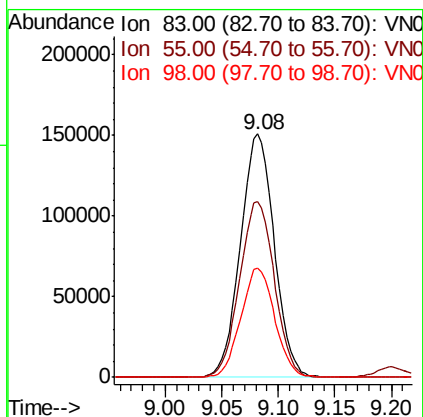
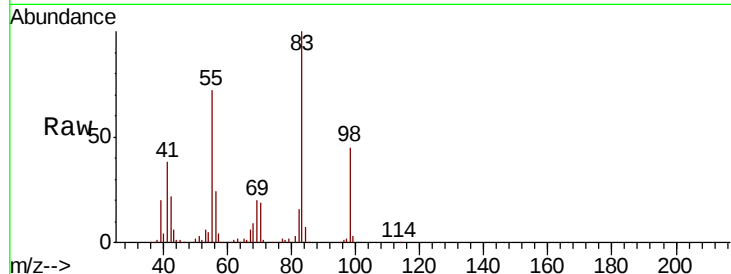




#39
Methvlcvclohexane
Concen: 18.165 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

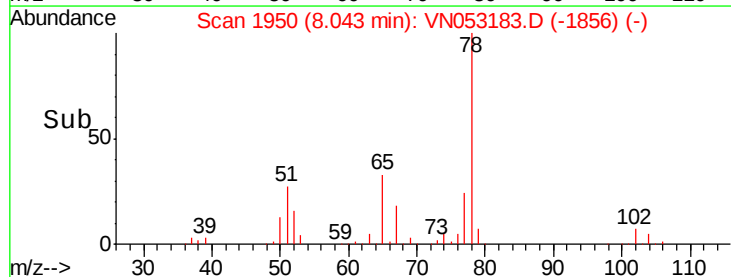
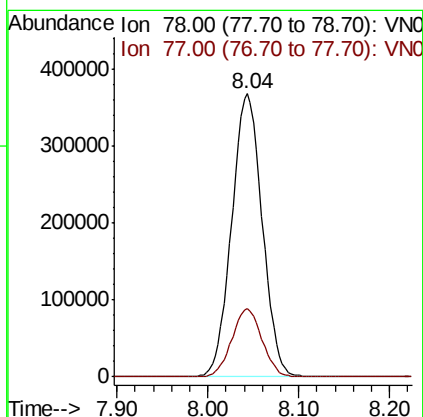
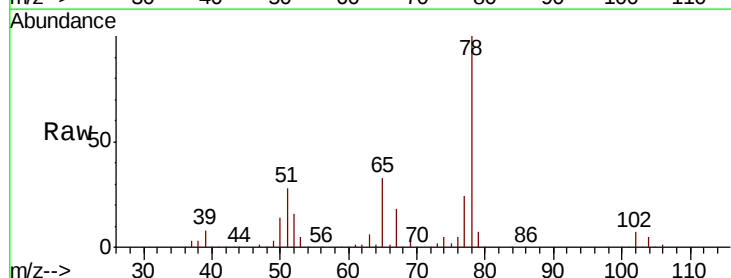
Instrument :
MSVOA_N
ClientSampleId :
VN1224WBSD01

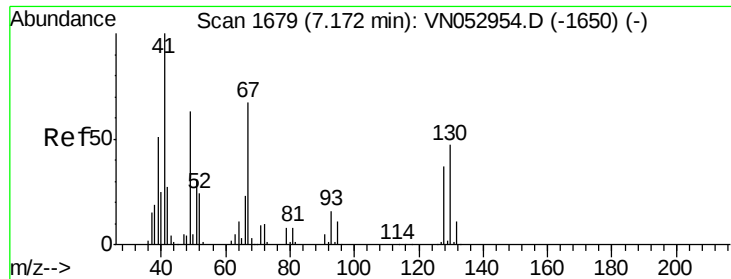
Tot Ion: 83 Resp: 314545
Ion Ratio Lower Upper
83 100
55 72.4 61.3 91.9
98 45.0 37.0 55.4



#40
Benzene
Concen: 20.260 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Tgt Ion: 78 Resp: 858984
Ion Ratio Lower Upper
78 100
77 24.0 18.5 27.7

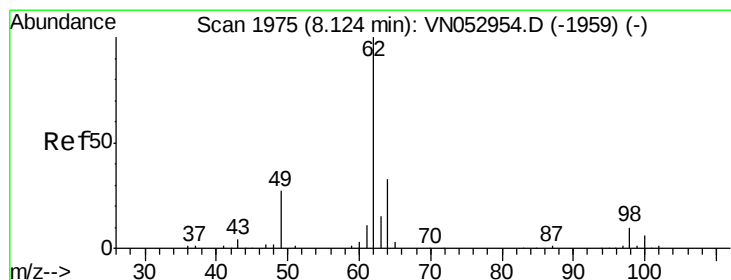
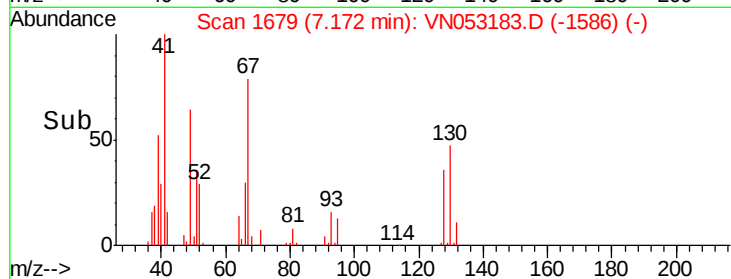
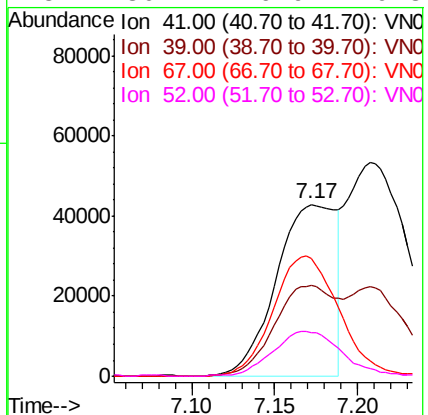
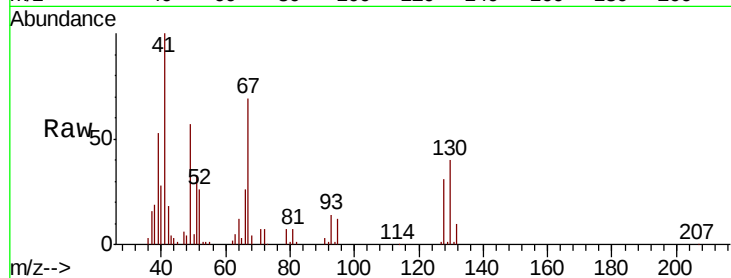




#41
Methacrylonitrile
Concen: 23.483 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

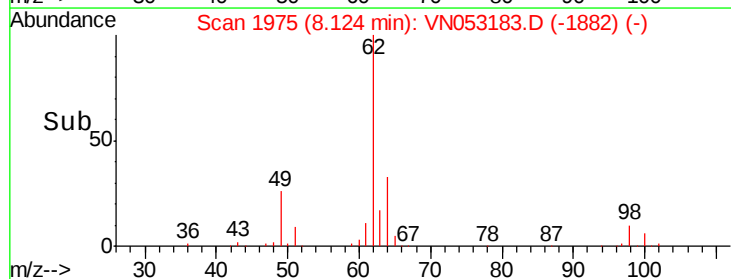
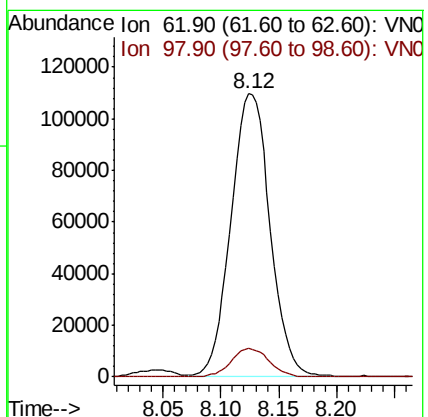
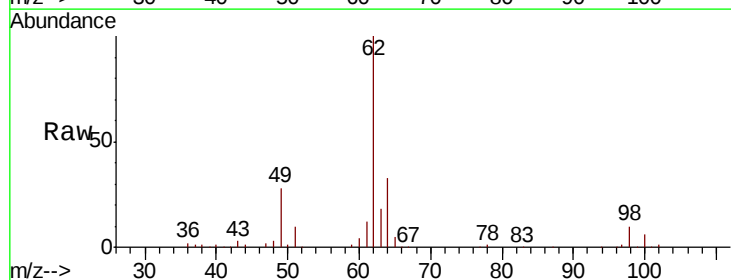
Instrument :
MSVOA_N
ClientSampleId :
VN1224WBSD01

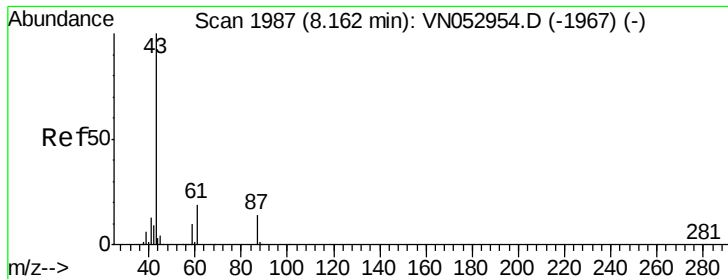
Tot Ion:	41	Resp:	107969
Ion	Ratio	Lower	Upper
41	100		
39	55.9	48.0	72.0
67	77.0	70.3	105.5
52	30.4	26.9	40.3



#42
1,2-Dichloroethane
Concen: 20.421 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Tgt Ion:	62	Resp:	255776
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0





#43

Isopropyl Acetate

Concen: 20.568 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBSD01

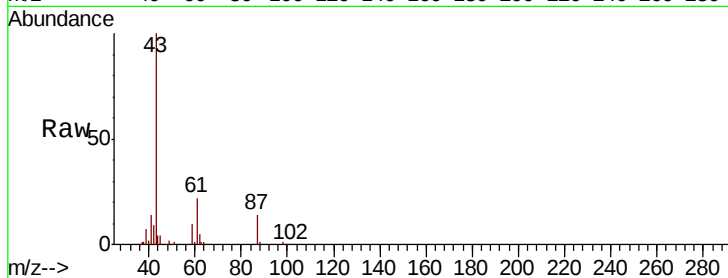
Tot Ion: 43 Resp: 326198

Ion Ratio Lower Upper

43 100

61 29.4 22.9 34.3

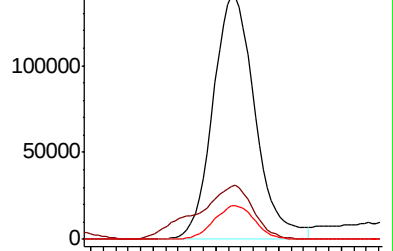
87 13.4 10.6 15.8



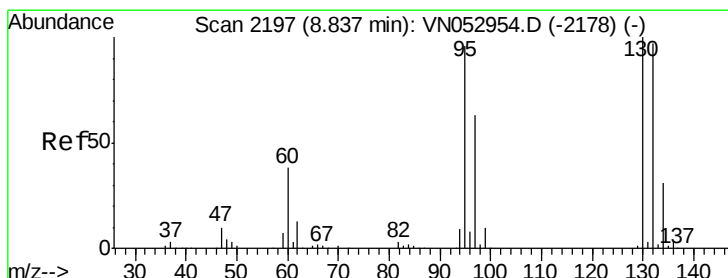
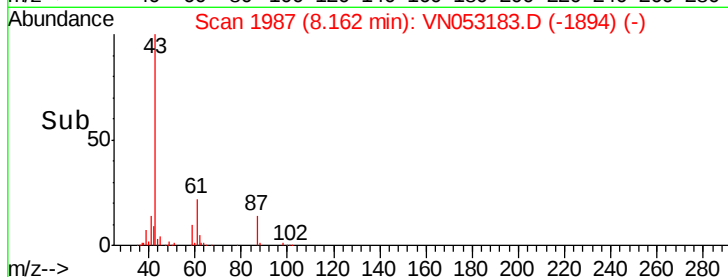
Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)



Time-->



#44

Trichloroethene

Concen: 19.218 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053183.D

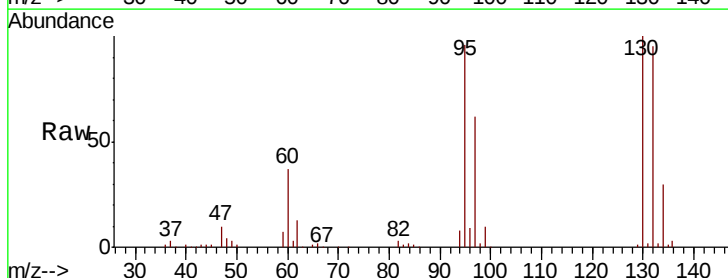
Acq: 24 Dec 2018 14:20

Tgt Ion: 130 Resp: 235683

Ion Ratio Lower Upper

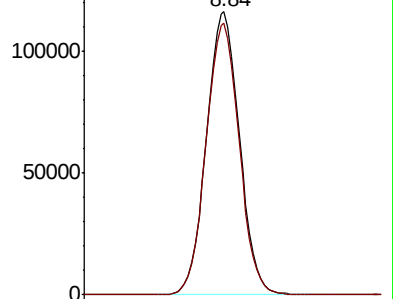
130 100

95 95.9 0.0 197.8

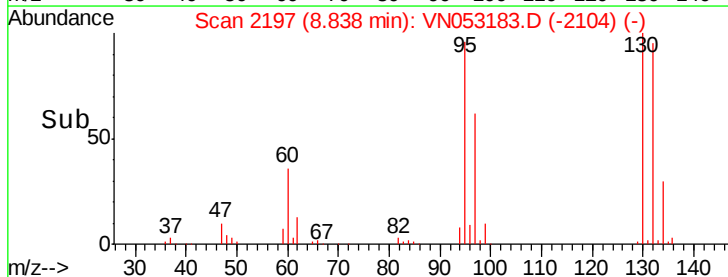


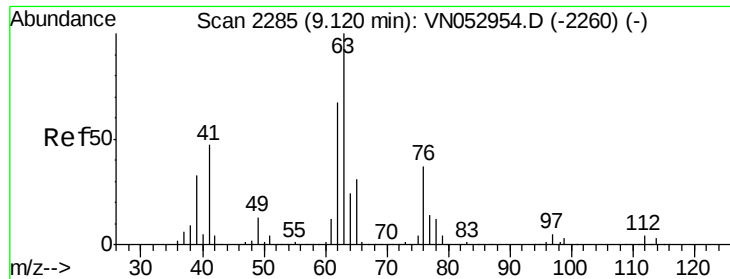
Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)



Time-->





#45

1,2-Dichloropropane

Concen: 20.935 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

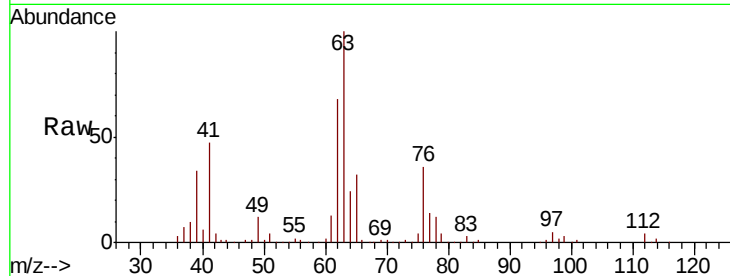
VN1224WBSD01

Tot Ion: 63 Resp: 231198

Ion Ratio Lower Upper

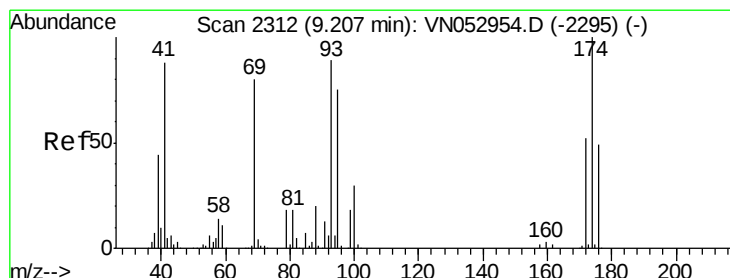
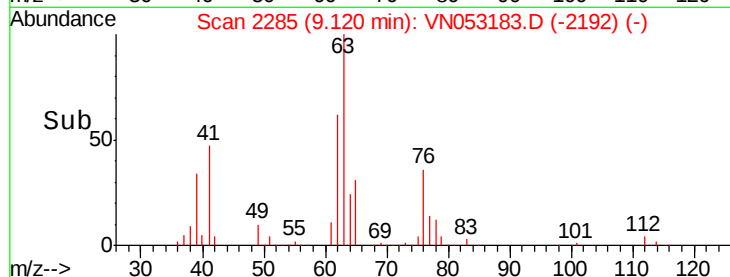
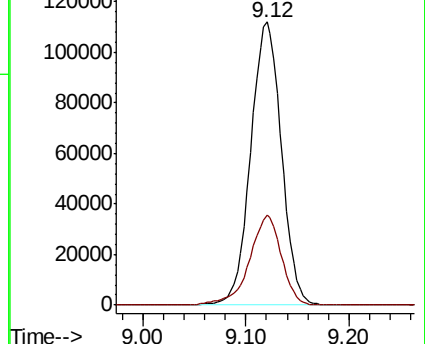
63 100

65 31.6 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.373 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

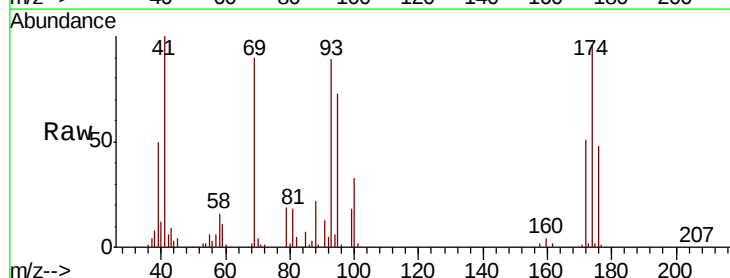
Tgt Ion: 93 Resp: 131066

Ion Ratio Lower Upper

93 100

95 82.8 67.8 101.6

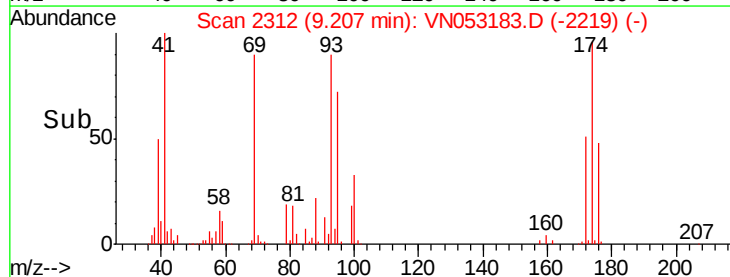
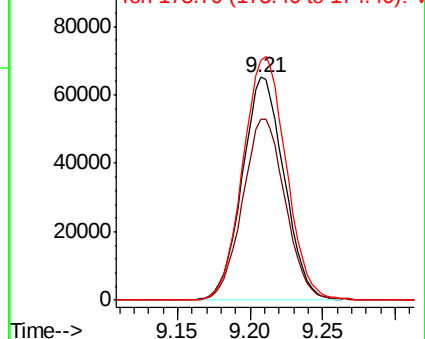
174 113.0 89.0 133.4



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

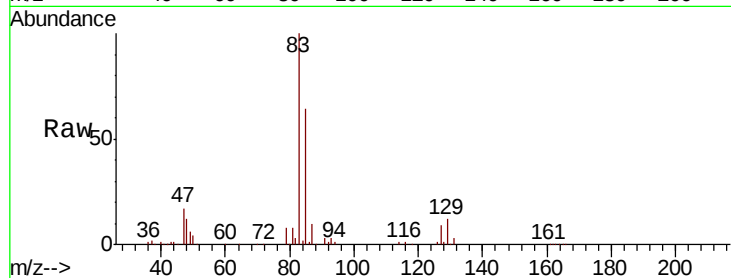




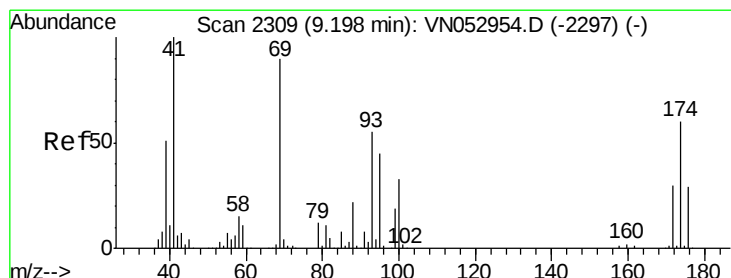
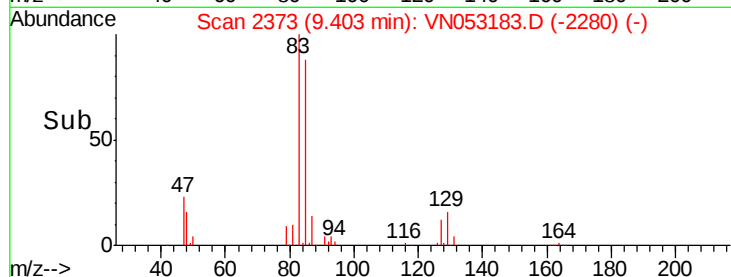
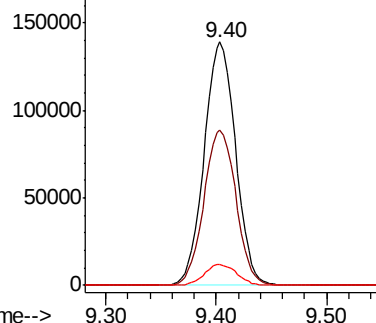
#47
Bromodichloromethane
Concen: 20.086 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Instrument :
MSVOA_N
ClientSampled :
VN1224WBSD01

Tot Ion: 83 Resp: 274682
Ion Ratio Lower Upper
83 100
85 63.8 51.6 77.4
127 8.6 7.1 10.7

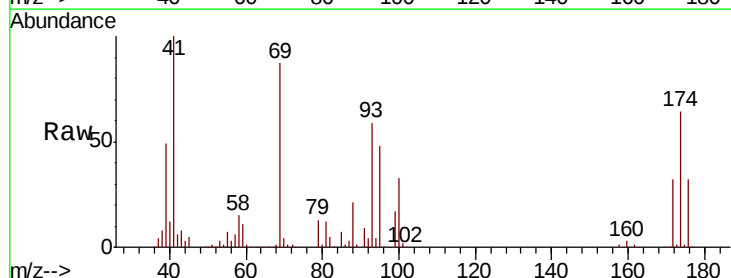


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

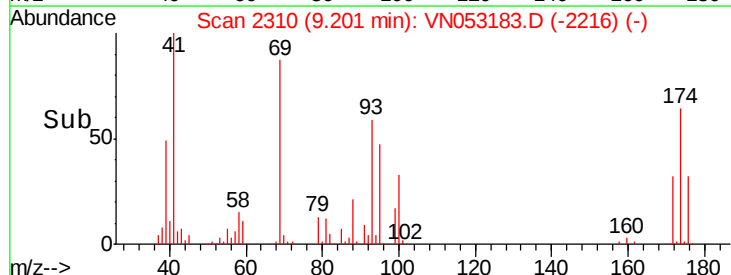
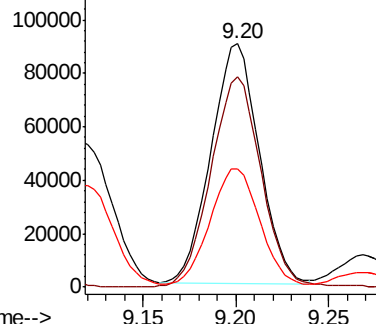


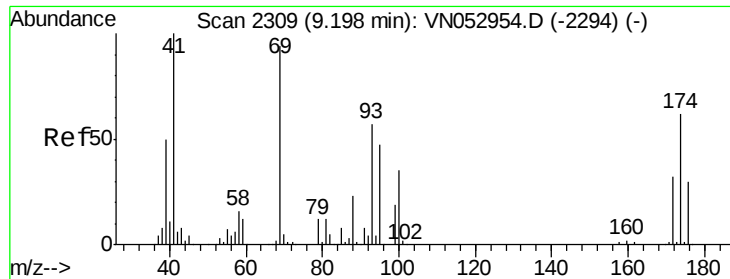
#48
Methyl methacrylate
Concen: 21.029 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Tgt Ion: 41 Resp: 162380
Ion Ratio Lower Upper
41 100
69 91.5 72.2 108.2
39 51.3 41.9 62.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 407.576 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

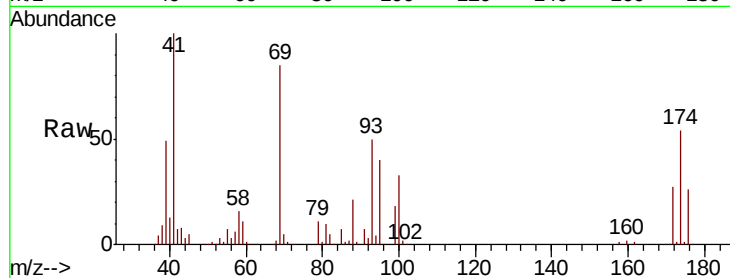
MSVOA_N

ClientSampleId :

VN1224WBSD01

Tot Ion: 88 Resp: 39810

Ion	Ratio	Lower	Upper
88	100		
43	32.1	26.6	40.0
58	72.1	58.4	87.6

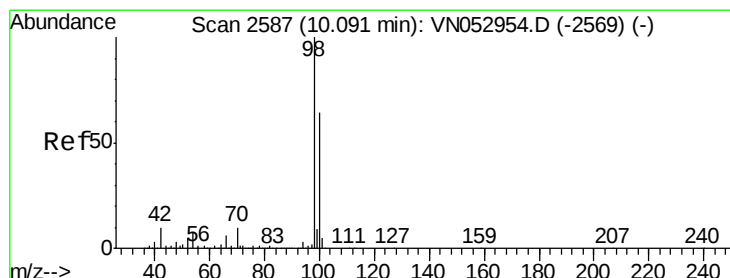
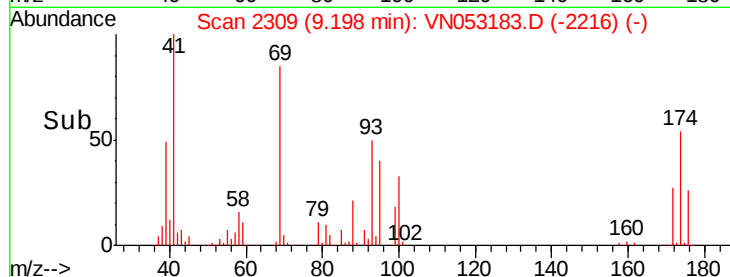
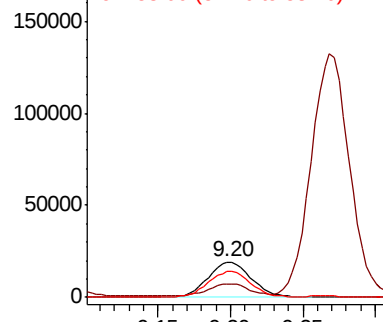


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 407.576 ug/l

RT: 10.09 min Scan# 2587

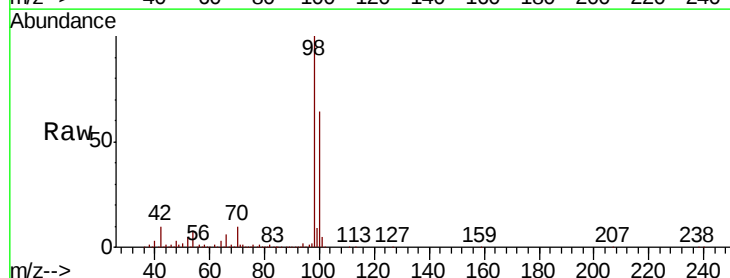
Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Tgt Ion: 98 Resp: 1775929

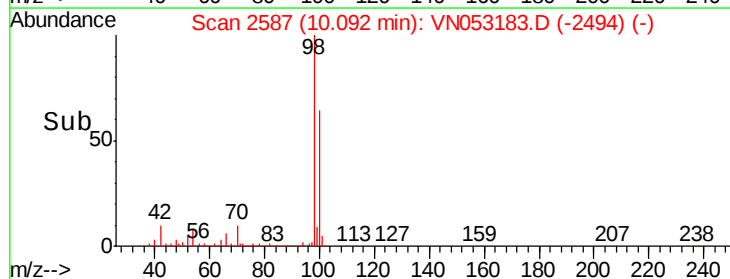
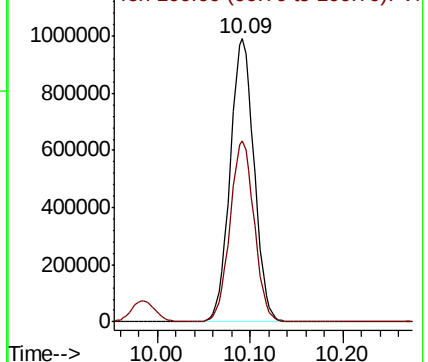
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4

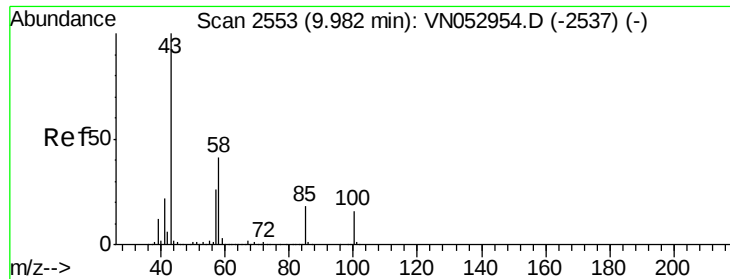


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 111.835 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

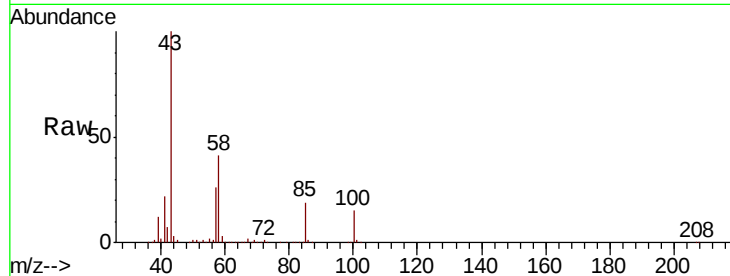
VN1224WBSD01

Tot Ion: 43 Resp: 861814

Ion Ratio Lower Upper

43 100

58 41.2 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-2537) (-)

9.98

500000

400000

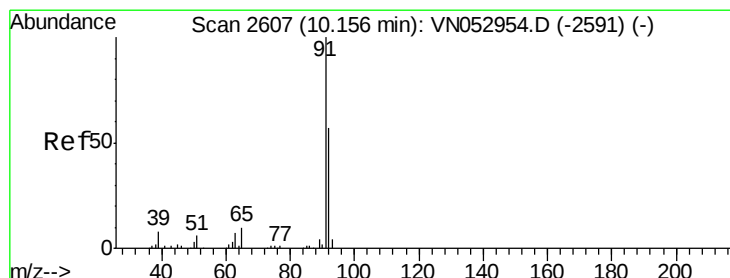
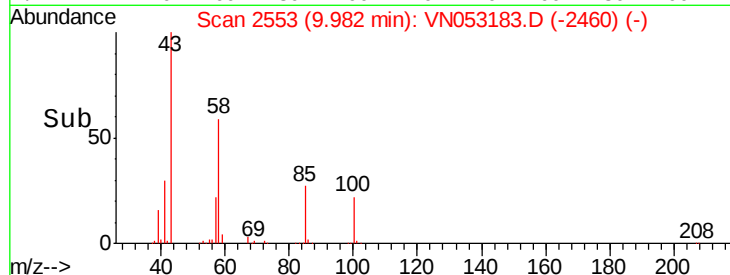
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.517 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053183.D

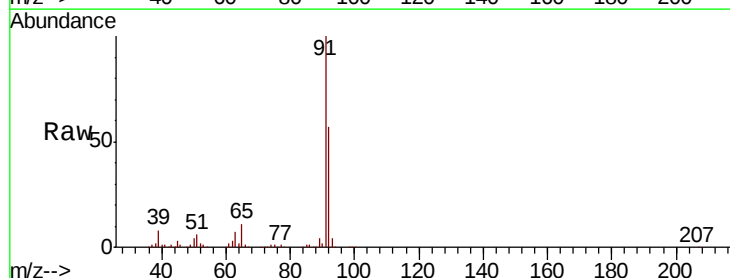
Acq: 24 Dec 2018 14:20

Tgt Ion: 92 Resp: 539185

Ion Ratio Lower Upper

92 100

91 175.5 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN052954.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052954.D (-2591) (-)

10.16

600000

500000

400000

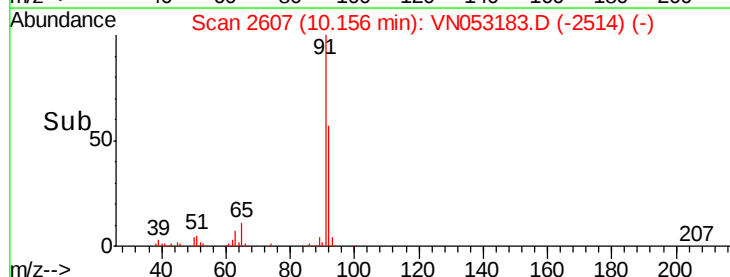
300000

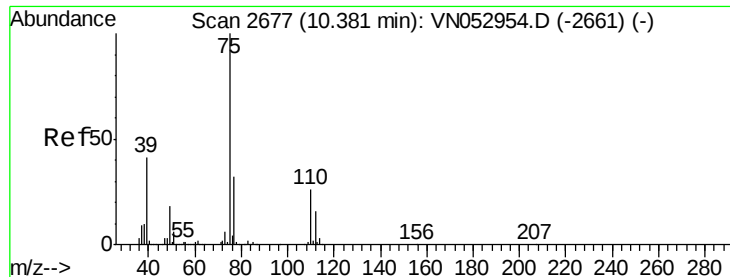
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.480 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

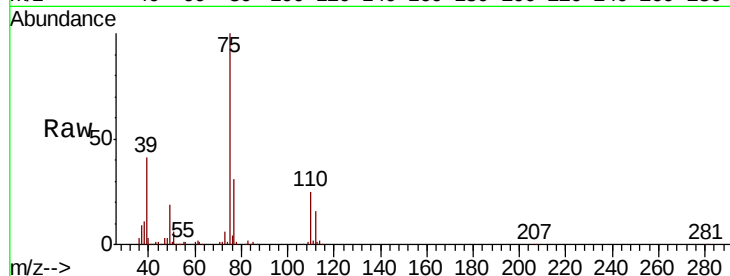
VN1224WBSD01

Tot Ion: 75 Resp: 280122

Ion Ratio Lower Upper

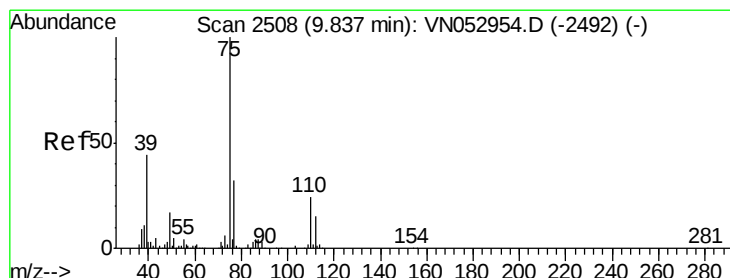
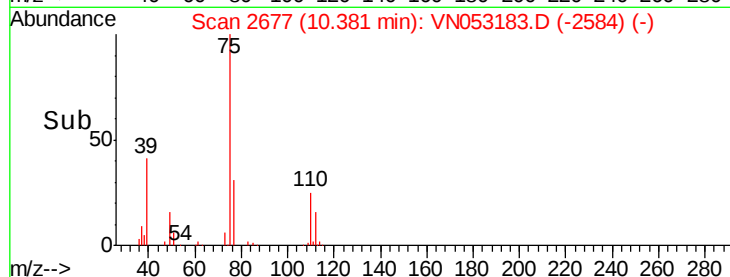
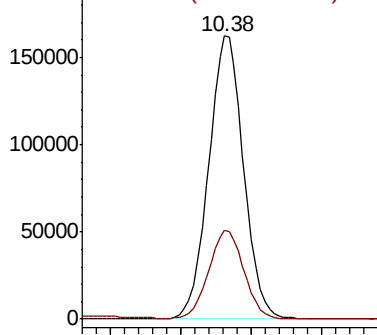
75 100

77 31.0 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.839 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

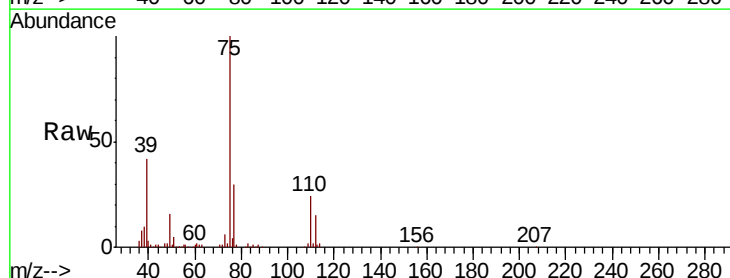
Tgt Ion: 75 Resp: 327455

Ion Ratio Lower Upper

75 100

77 30.5 25.8 38.8

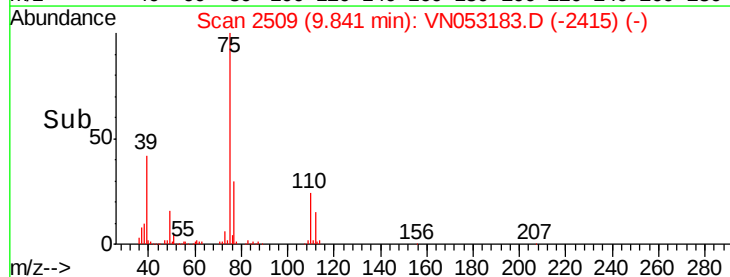
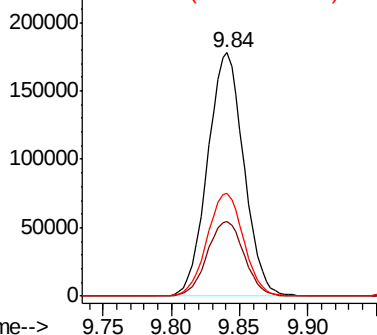
39 42.2 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

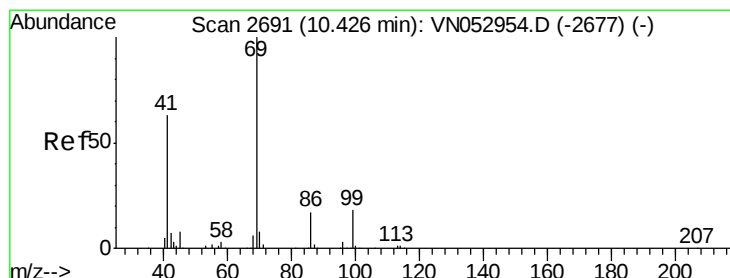
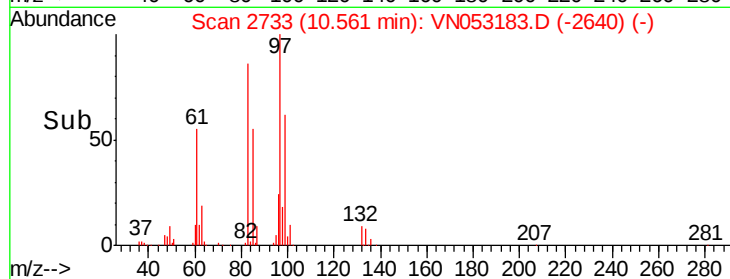
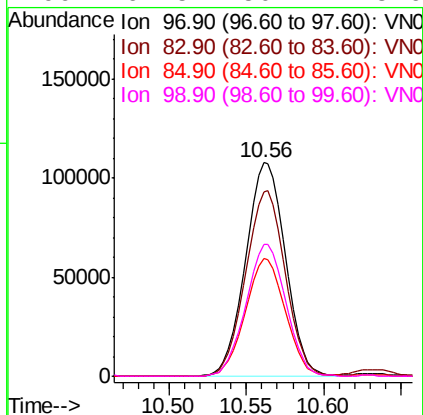
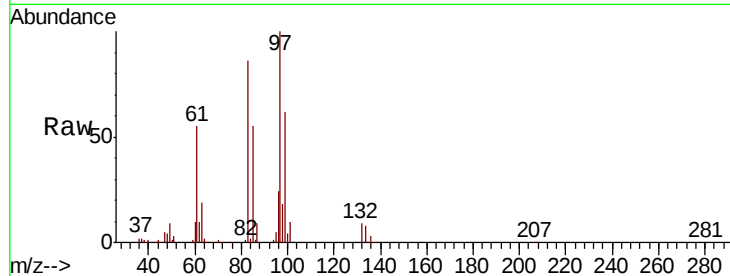




#55
 1,1,2-Trichloroethane
 Concen: 21.111 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053183.D
 Acq: 24 Dec 2018 14:20

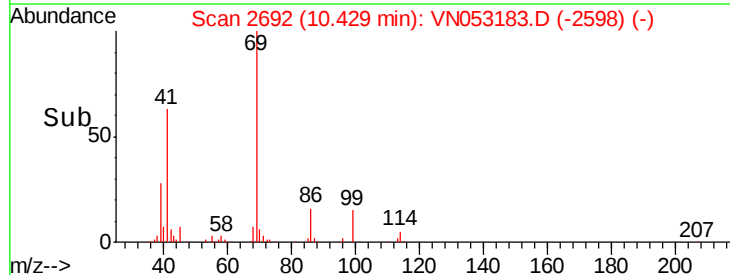
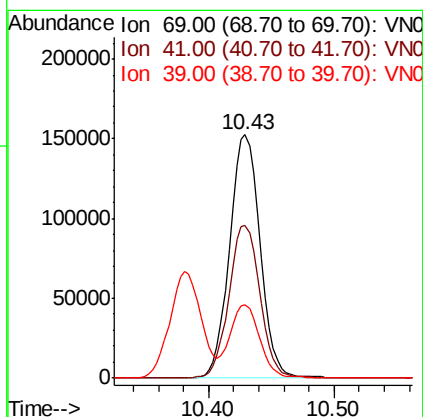
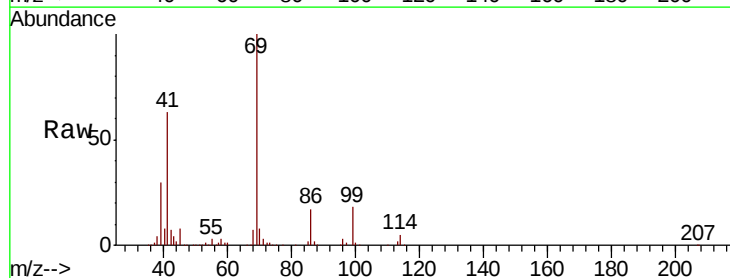
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.9	106.3
85	55.3	45.4	68.2
99	61.5	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 21.235 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053183.D
 Acq: 24 Dec 2018 14:20

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.2	51.7	77.5
39	29.6	24.6	37.0





#57

1,3-Dichloropropane

Concen: 21.103 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

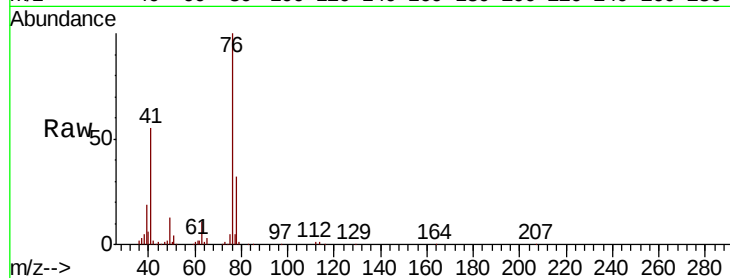
VN1224WBSD01

Tot Ion: 76 Resp: 331787

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

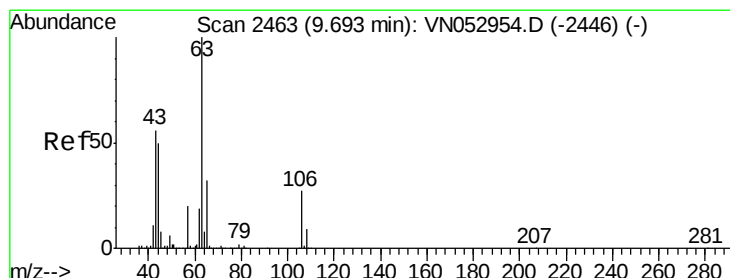
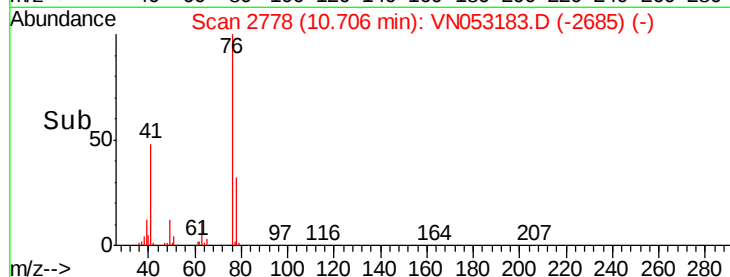
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 107.121 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053183.D

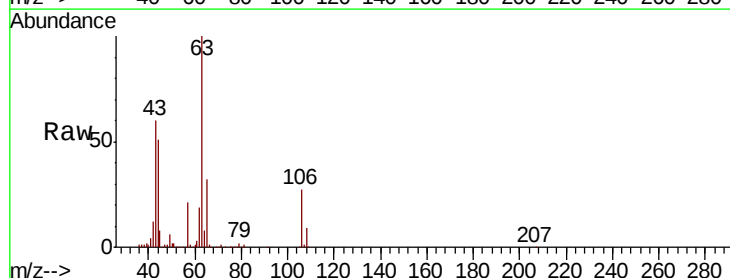
Acq: 24 Dec 2018 14:20

Tgt Ion: 63 Resp: 713649

Ion Ratio Lower Upper

63 100

106 26.8 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

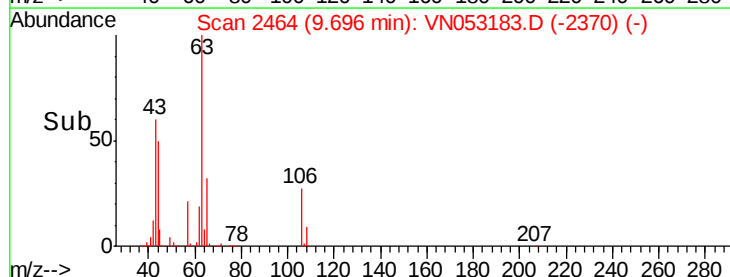
300000

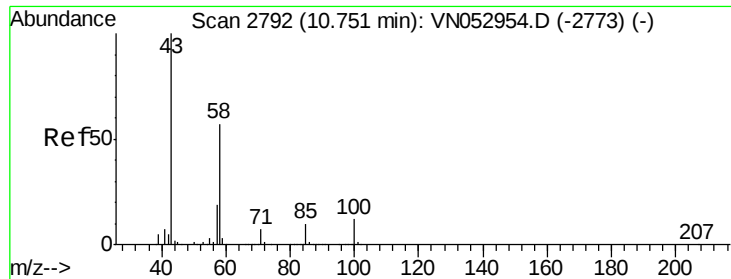
200000

100000

0

Time--> 9.60 9.65 9.70 9.75

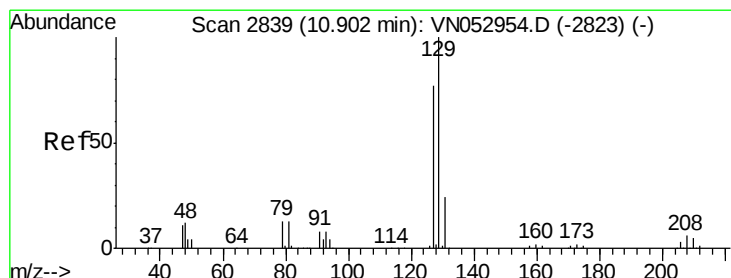
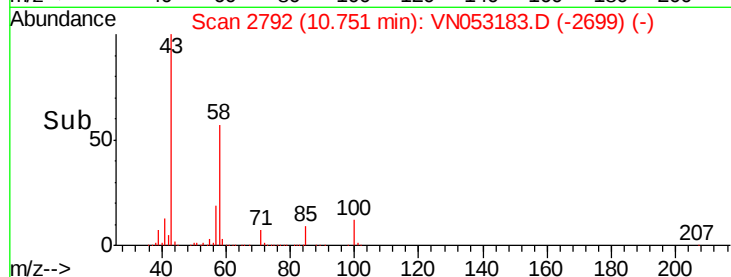
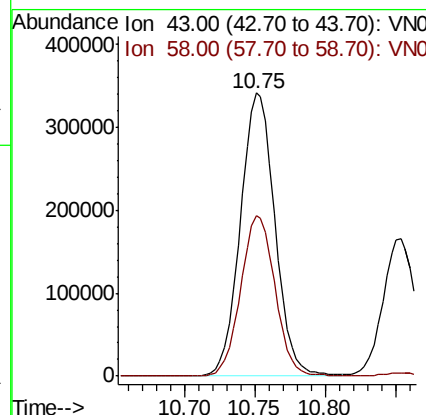
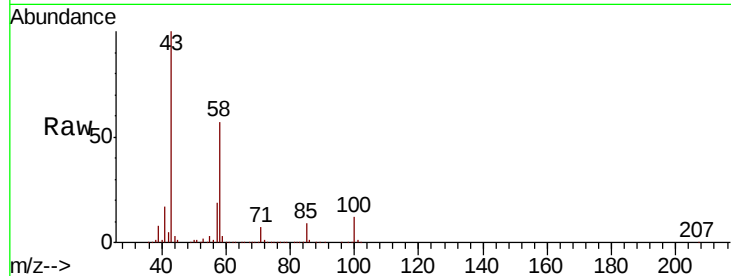




#59
2-Hexanone
Concen: 111.681 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

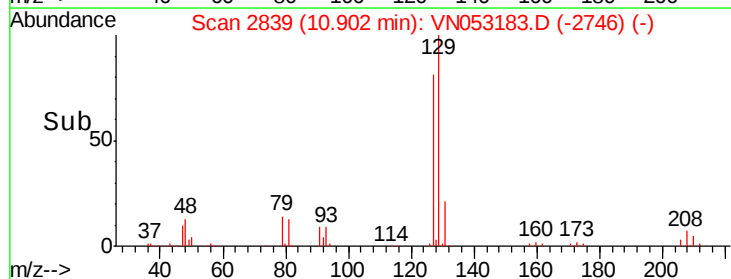
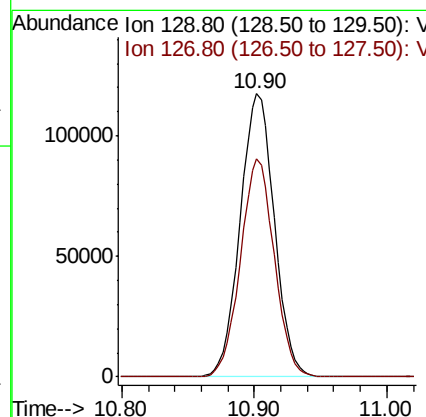
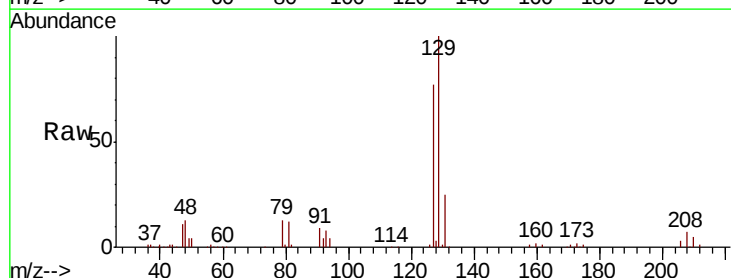
Instrument :
MSVOA_N
ClientSampleId :
VN1224WBSD01

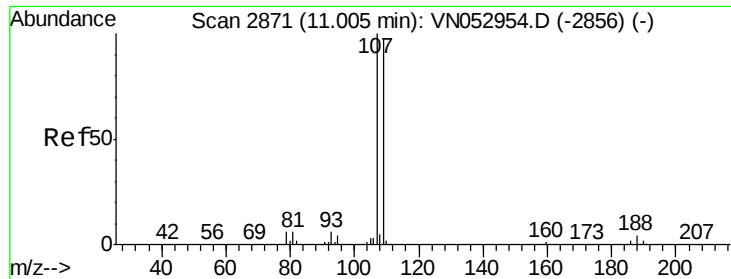
Tot Ion: 43 Resp: 582285
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.3



#60
Dibromochloromethane
Concen: 20.018 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Tgt Ion: 129 Resp: 210081
Ion Ratio Lower Upper
129 100
127 76.2 38.6 116.0

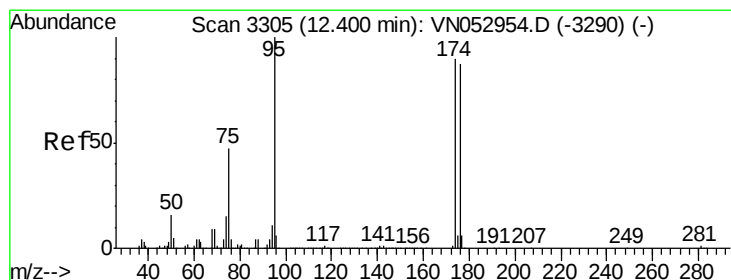
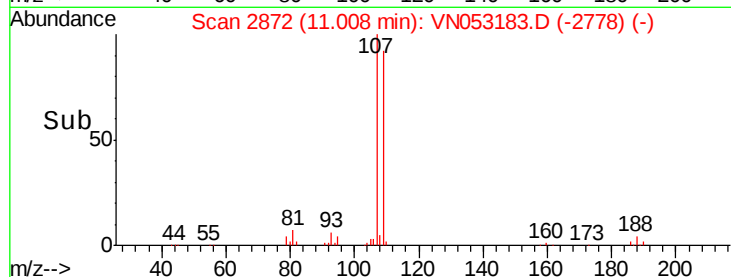
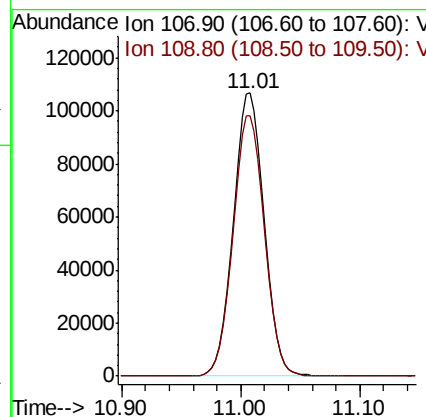
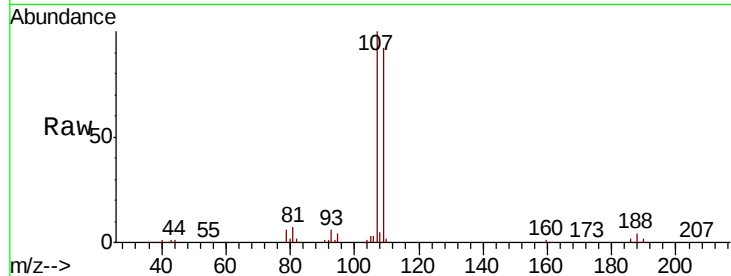




#61
 1,2-Dibromoethane
 Concen: 20.510 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053183.D
 Acq: 24 Dec 2018 14:20

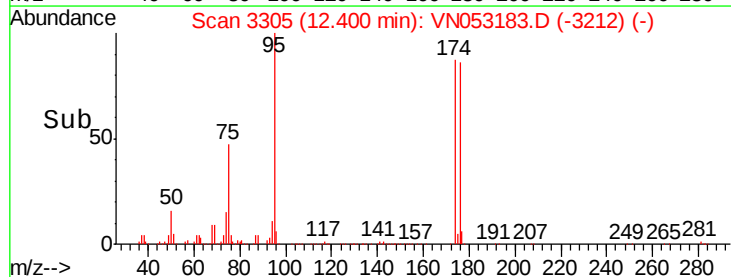
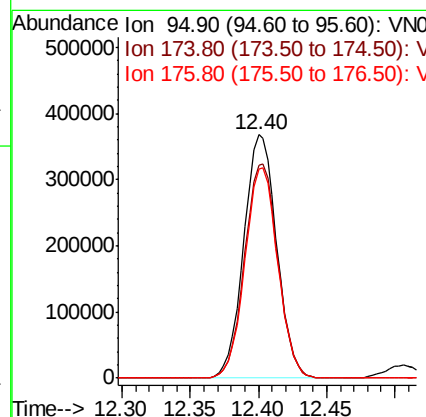
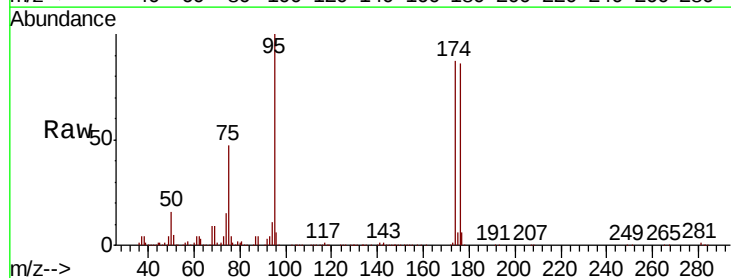
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBSD01

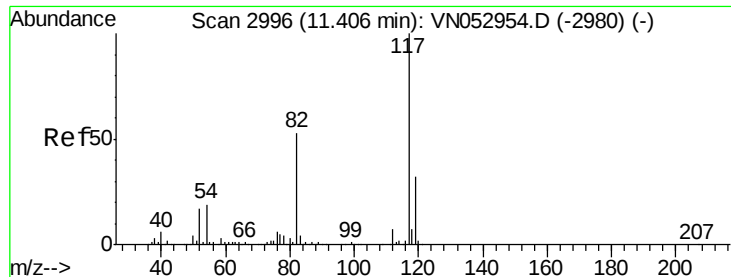
Tot Ion: 107 Resp: 190973
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 20.510 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053183.D
 Acq: 24 Dec 2018 14:20

Tgt Ion: 95 Resp: 614668
 Ion Ratio Lower Upper
 95 100
 174 89.3 0.0 178.8
 176 86.4 0.0 173.8

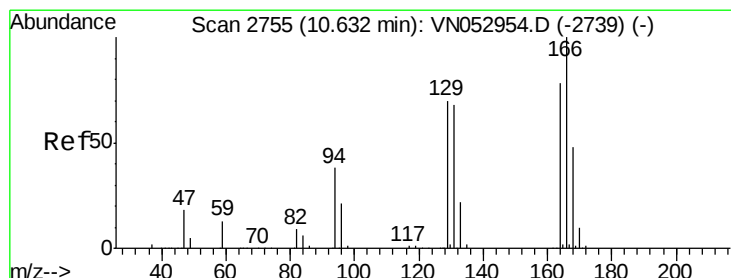
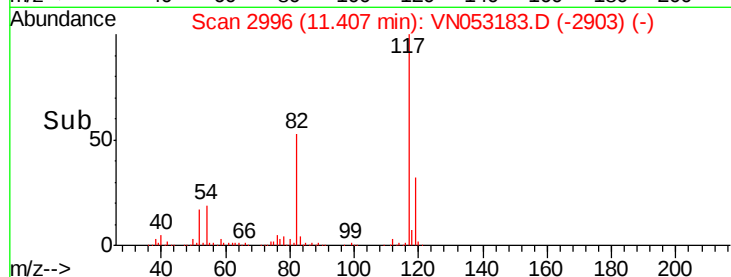
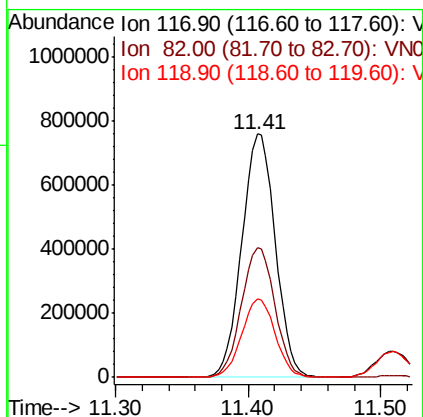
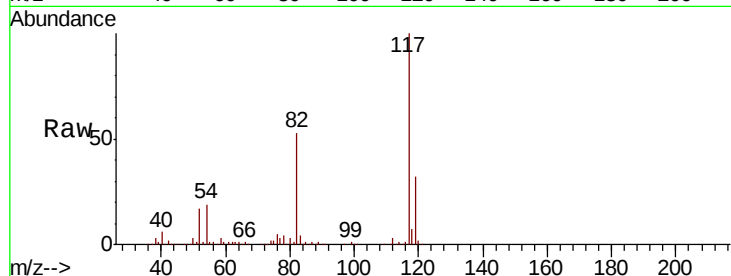




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

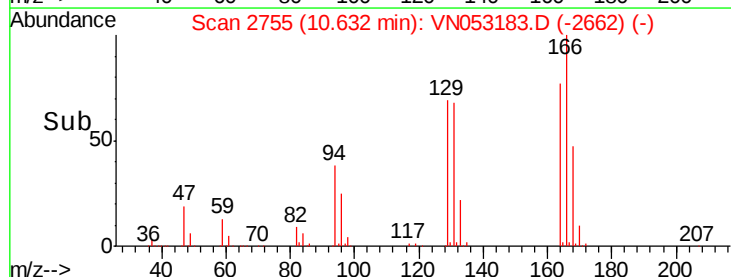
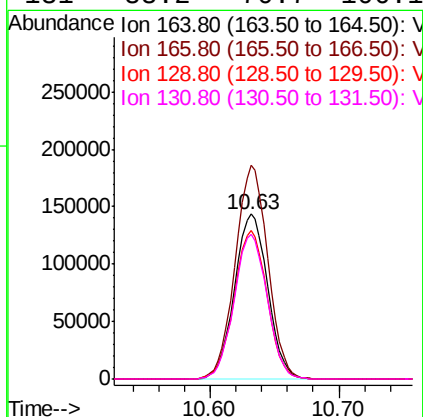
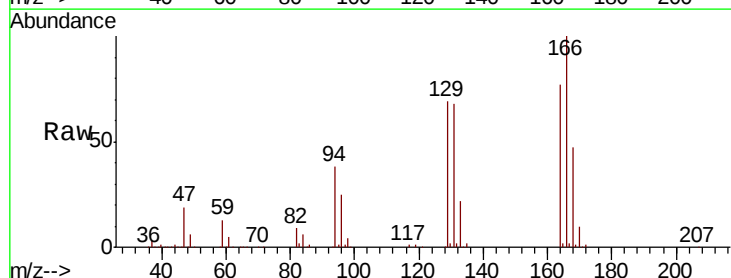
Instrument :
MSVOA_N
ClientSampleId :
VN1224WBSD01

Tot Ion:117 Resp: 1331705
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 17.804 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Tgt Ion:164 Resp: 256824
Ion Ratio Lower Upper
164 100
166 129.7 102.9 154.3
129 89.8 73.7 110.5
131 88.2 70.7 106.1





#65

Chlorobenzene

Concen: 20.121 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

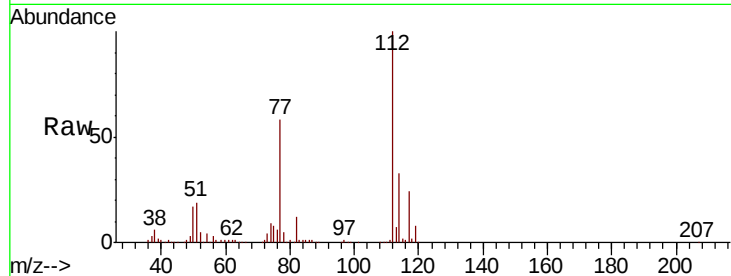
VN1224WBSD01

Tot Ion:112 Resp: 593987

Ion Ratio Lower Upper

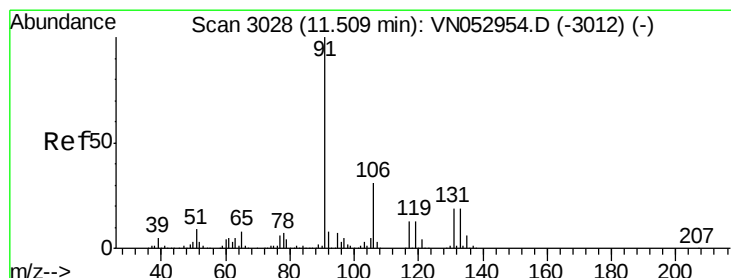
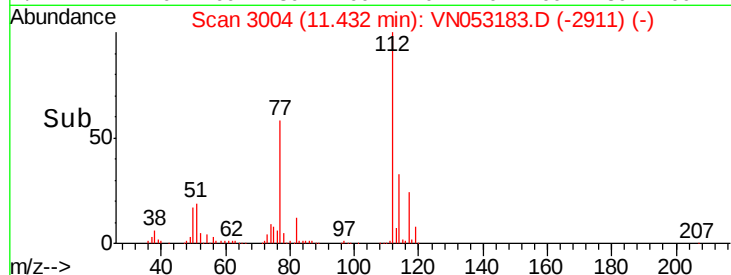
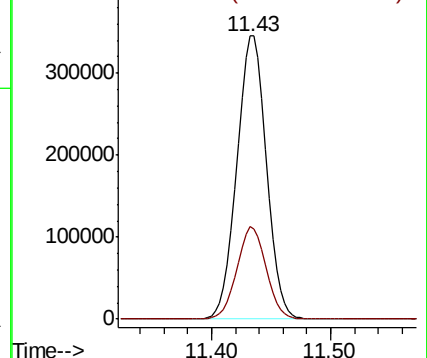
112 100

114 32.6 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.168 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

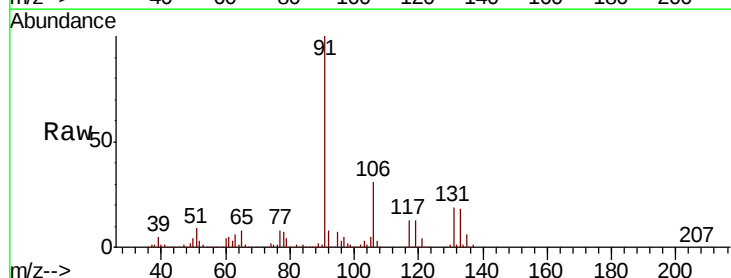
Tgt Ion:131 Resp: 207039

Ion Ratio Lower Upper

131 100

133 95.0 47.6 142.9

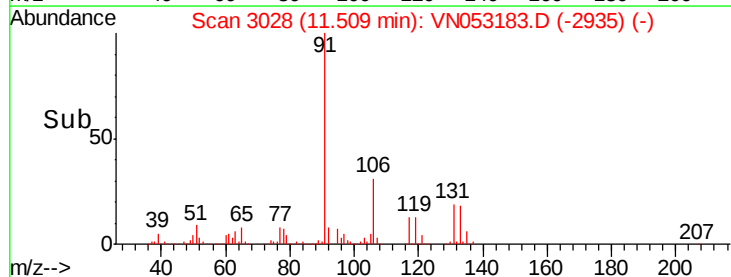
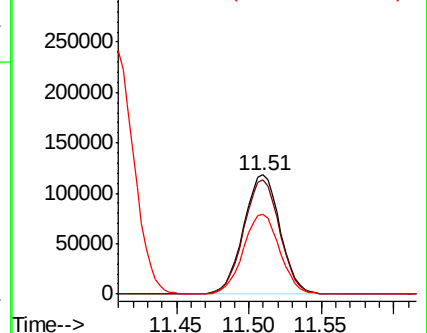
119 67.1 33.3 99.8

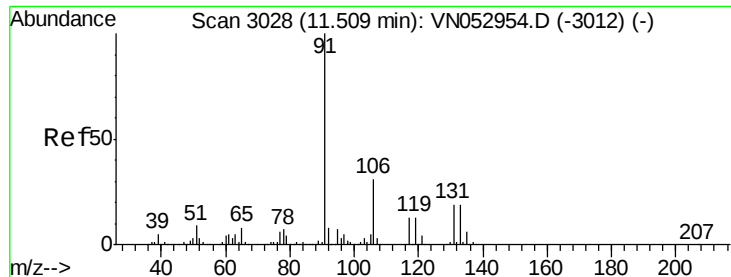


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.208 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampled :

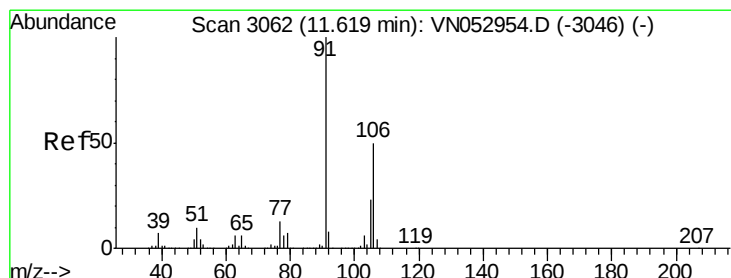
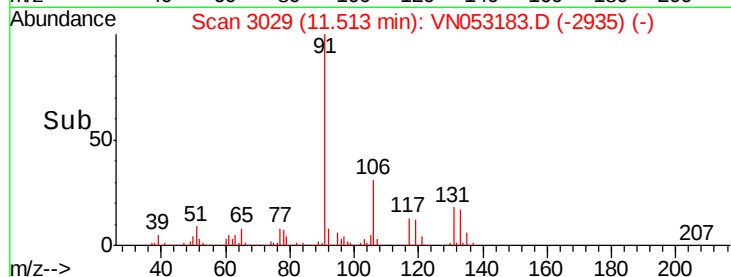
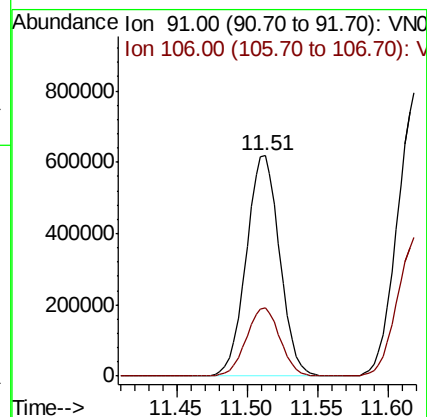
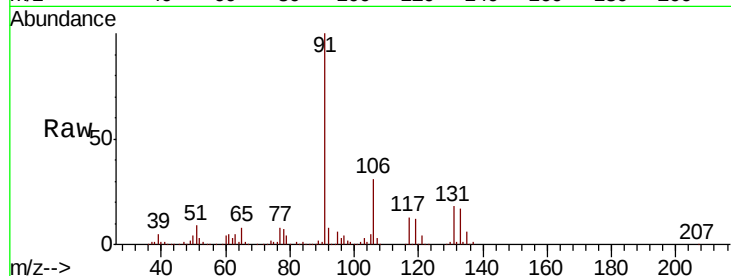
VN1224WBSD01

Tot Ion: 91 Resp: 1025923

Ion Ratio Lower Upper

91 100

106 31.1 24.9 37.3



#68

m/p-Xylenes

Concen: 39.668 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053183.D

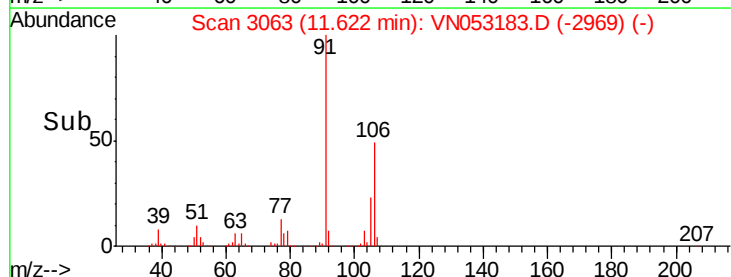
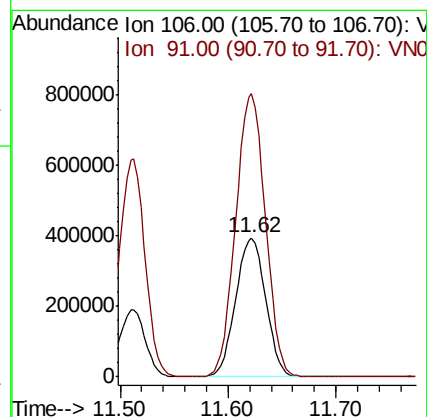
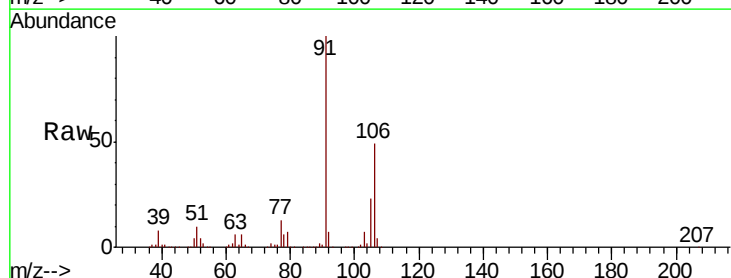
Acq: 24 Dec 2018 14:20

Tgt Ion: 106 Resp: 765569

Ion Ratio Lower Upper

106 100

91 201.4 162.2 243.4

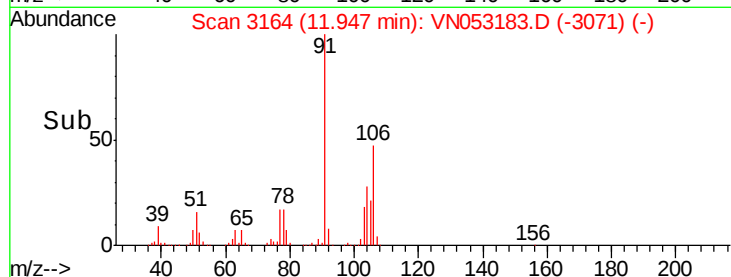
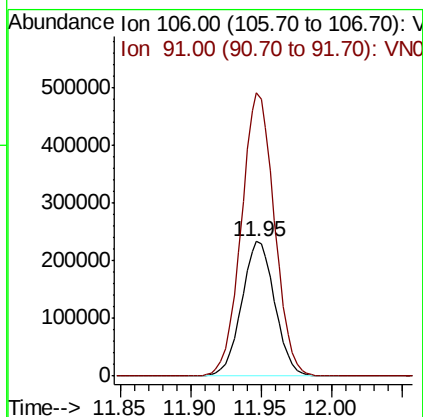
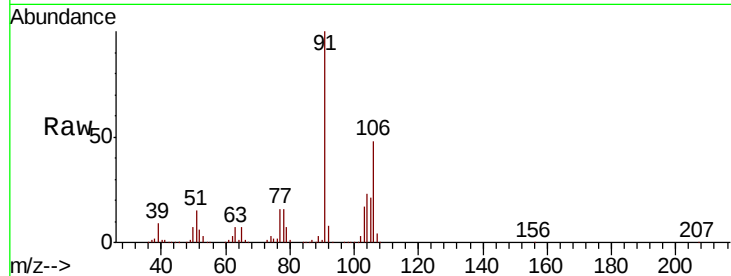




#69
o-Xylene
Concen: 20.707 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

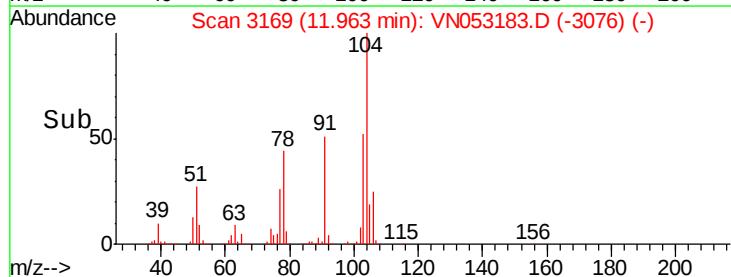
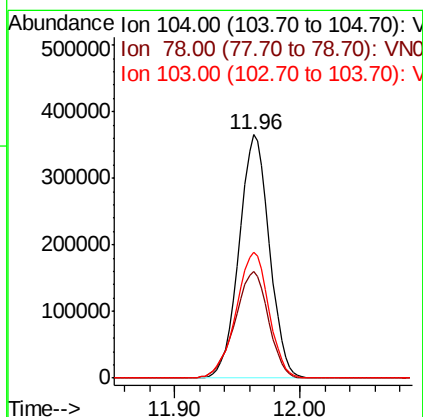
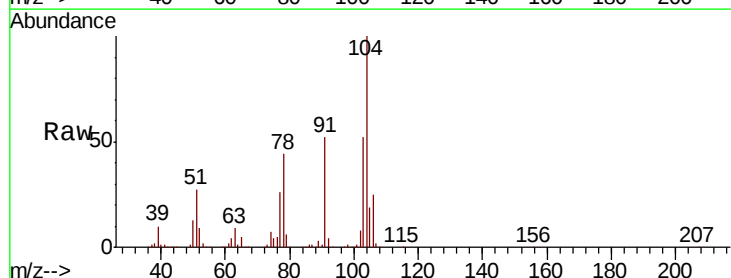
Instrument :
MSVOA_N
ClientSampleId :
VN1224WBSD01

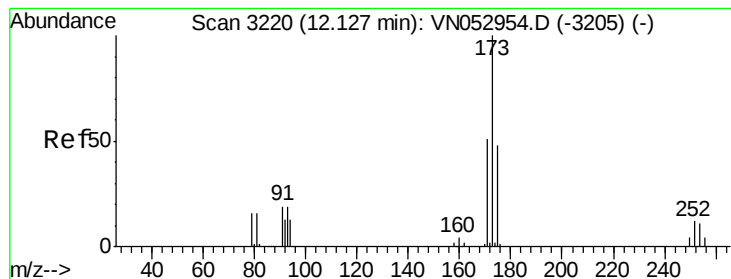
Tot Ion:106 Resp: 383475
Ion Ratio Lower Upper
106 100
91 210.3 106.6 319.8



#70
Styrene
Concen: 20.319 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Tgt Ion:104 Resp: 613595
Ion Ratio Lower Upper
104 100
78 48.5 38.9 58.3
103 56.0 44.3 66.5





#71

Bromoform

Concen: 19.475 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBSD01

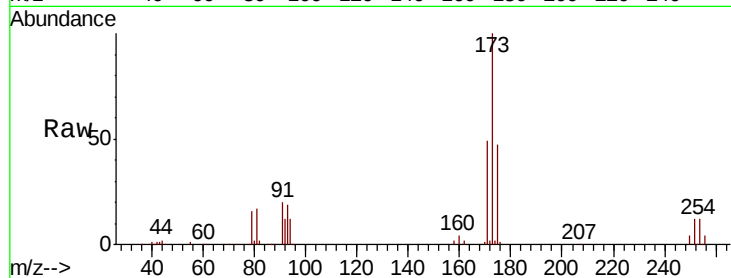
Tot Ion:173 Resp: 144426

Ion Ratio Lower Upper

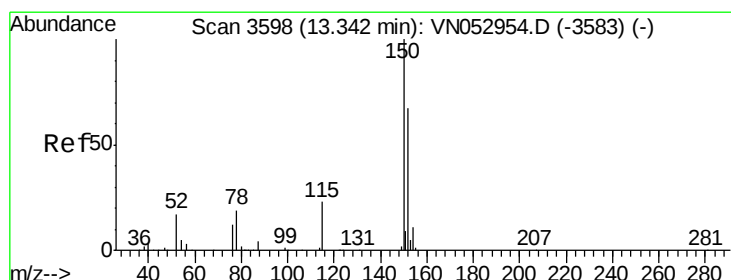
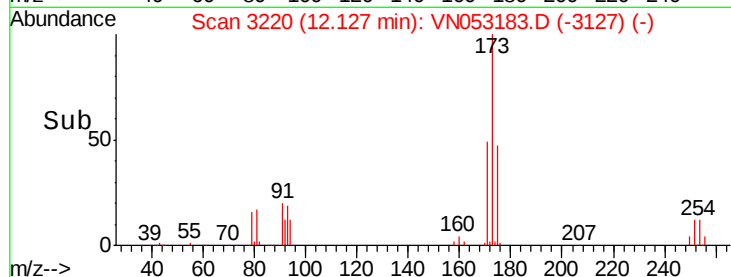
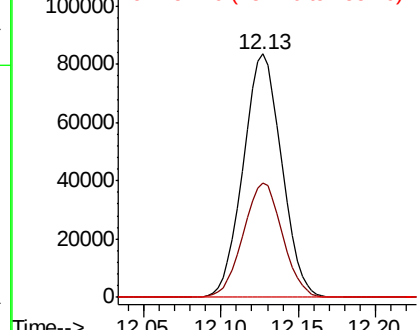
173 100

175 47.8 24.3 72.9

254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

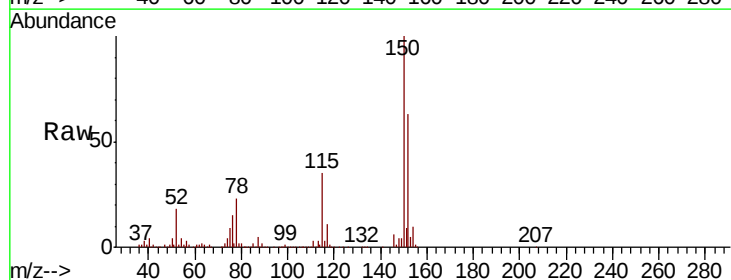
Tgt Ion:152 Resp: 579846

Ion Ratio Lower Upper

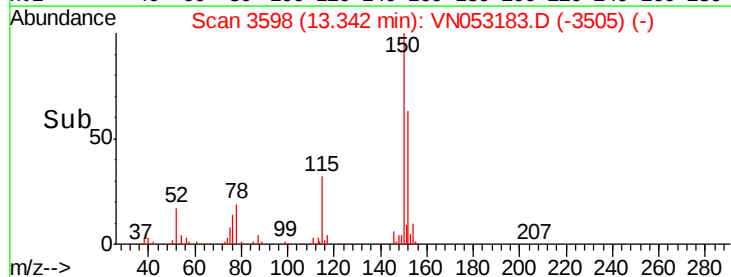
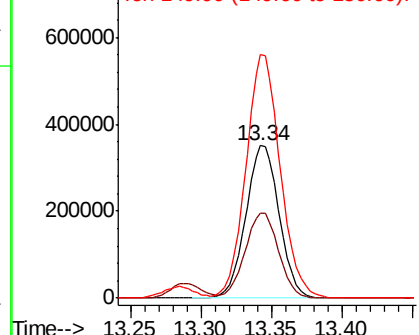
152 100

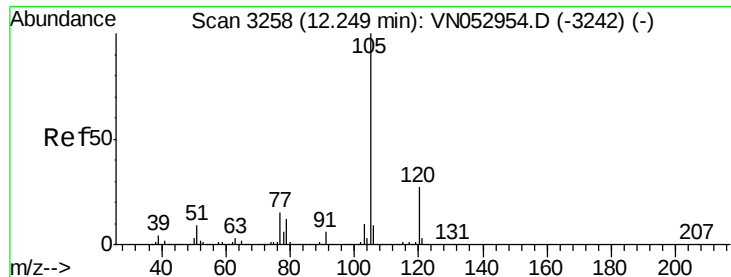
115 56.5 28.3 85.0

150 164.6 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: 21.822 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

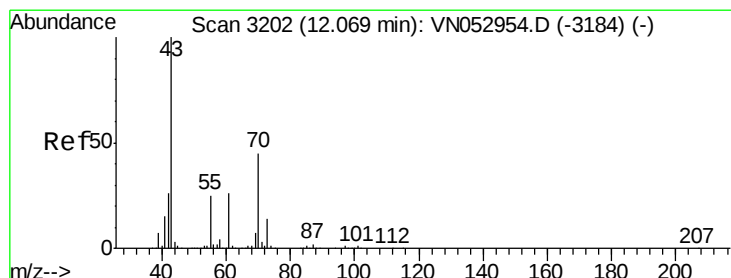
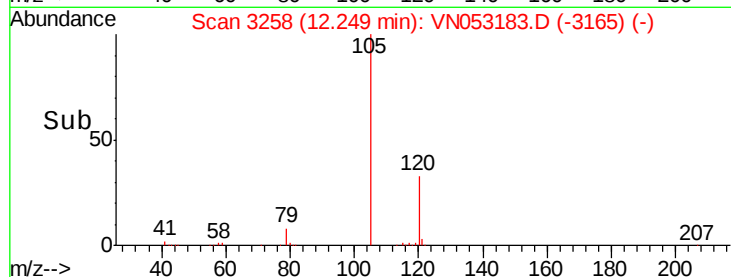
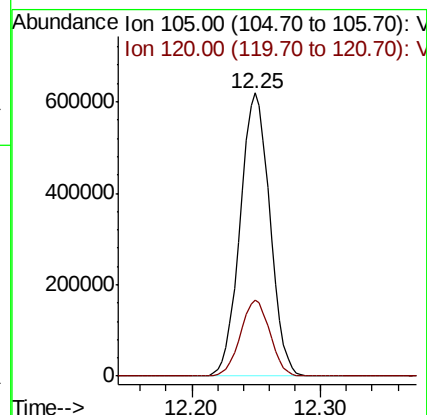
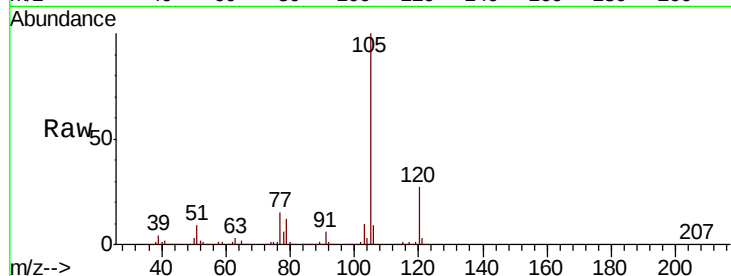
VN1224WBSD01

Tot Ion:105 Resp: 989998

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 22.534 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Tgt Ion: 43 Resp: 283838

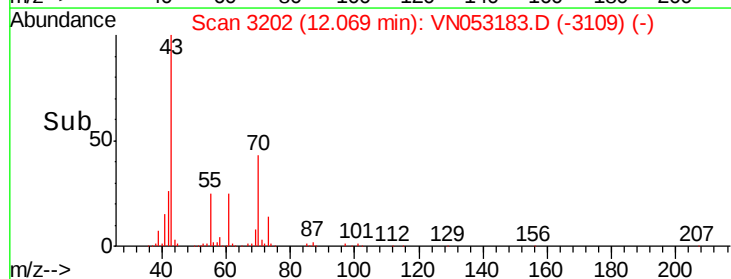
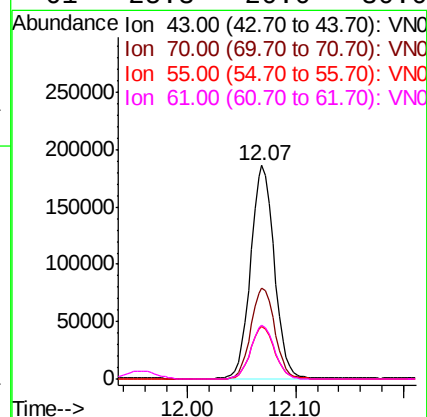
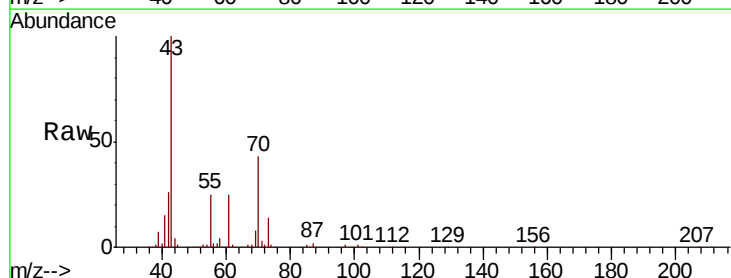
Ion Ratio Lower Upper

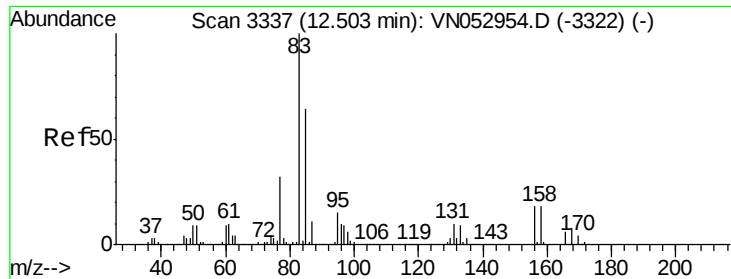
43 100

70 43.7 34.2 51.4

55 25.1 20.3 30.5

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 25.011 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBSD01

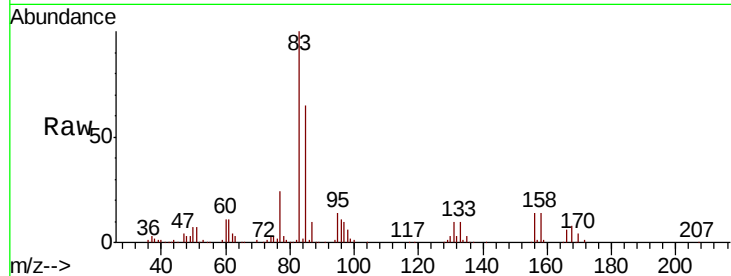
Tot Ion: 83 Resp: 222614

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

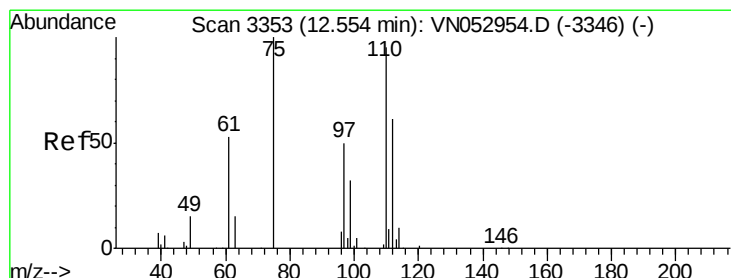
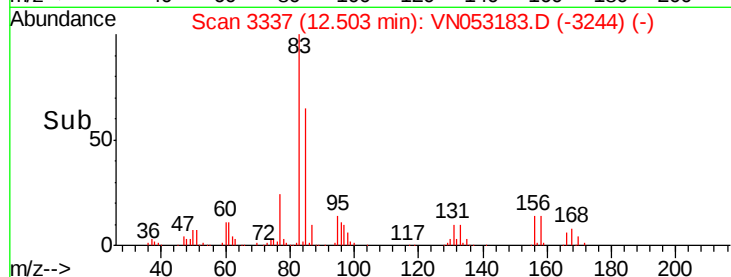
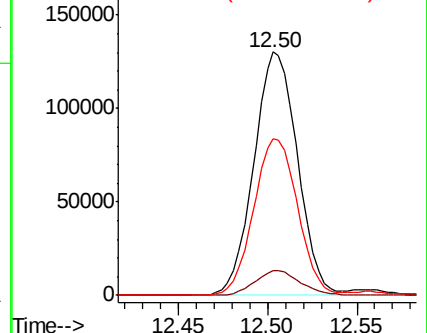
85 64.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.577 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053183.D

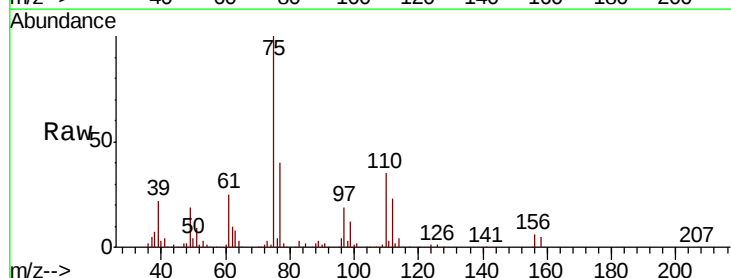
Acq: 24 Dec 2018 14:20

Tgt Ion: 75 Resp: 288700

Ion Ratio Lower Upper

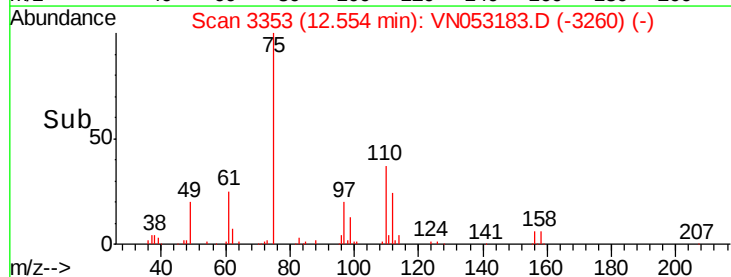
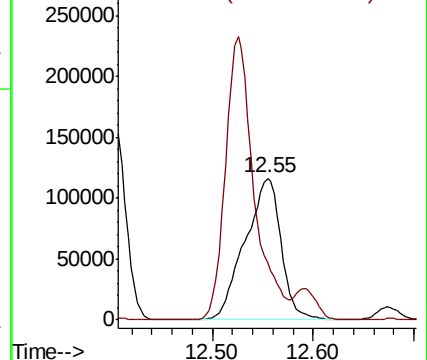
75 100

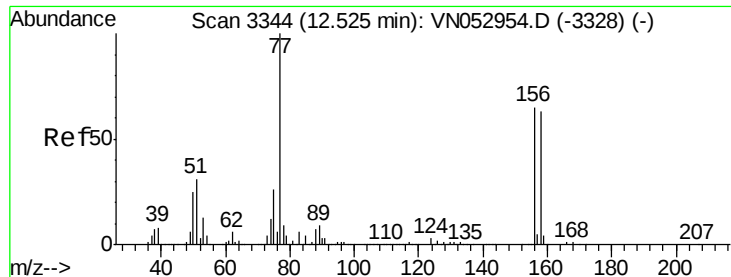
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.917 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBSD01

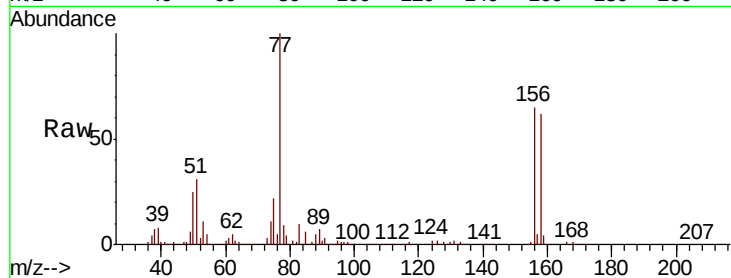
Tot Ion:156 Resp: 258473

Ion Ratio Lower Upper

156 100

77 179.4 91.3 273.8

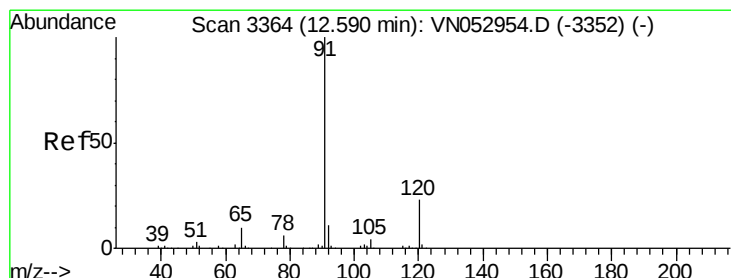
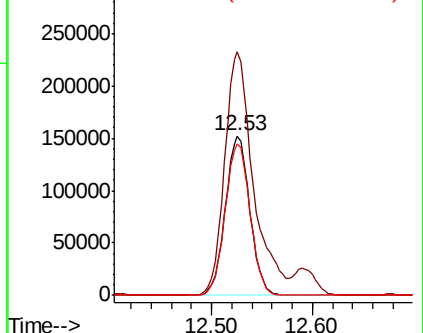
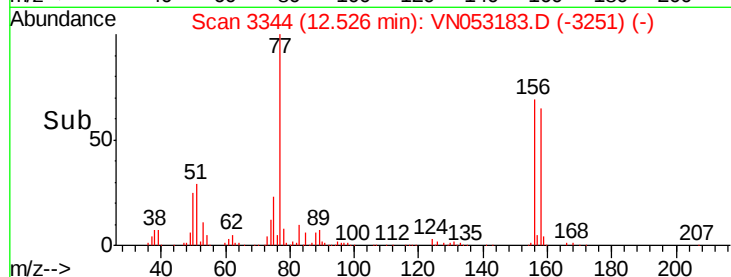
158 96.7 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.211 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053183.D

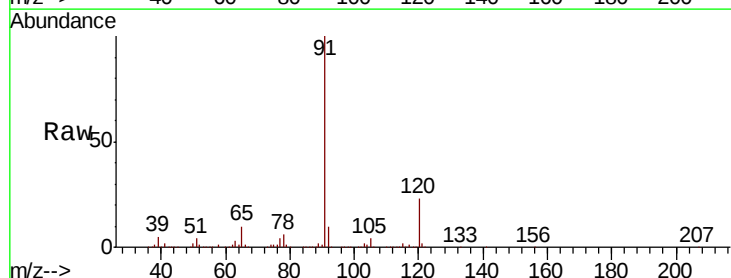
Acq: 24 Dec 2018 14:20

Tgt Ion: 91 Resp: 1095983

Ion Ratio Lower Upper

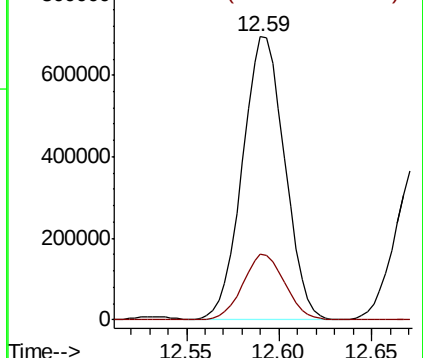
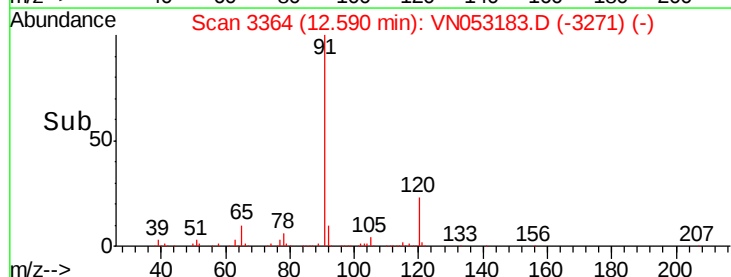
91 100

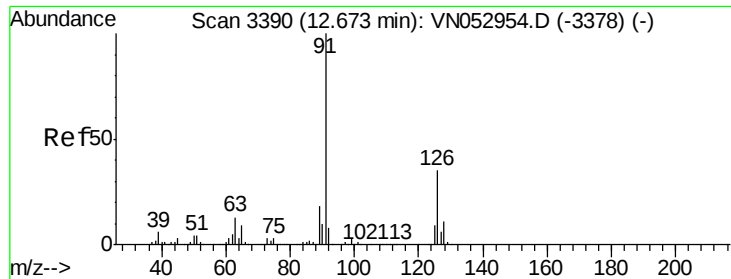
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.778 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

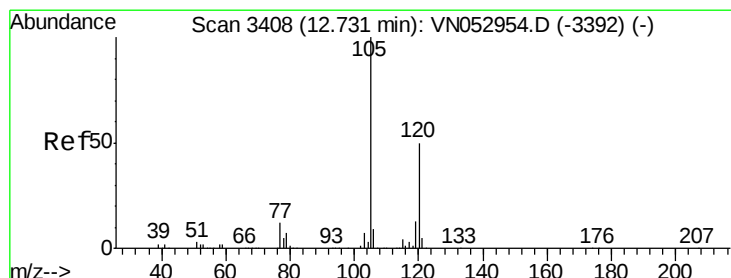
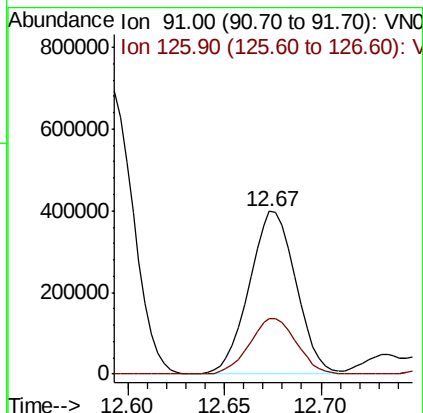
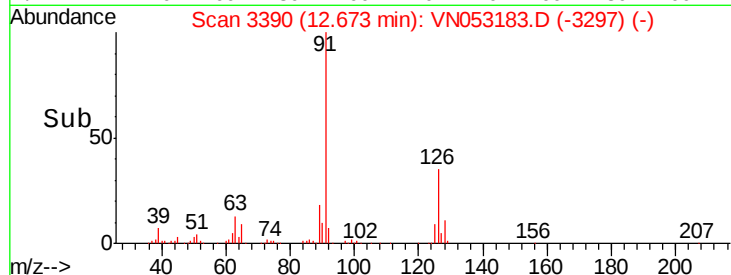
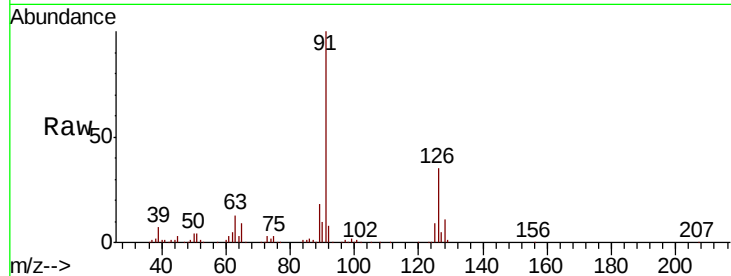
VN1224WBSD01

Tot Ion: 91 Resp: 665469

Ion Ratio Lower Upper

91 100

126 34.5 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 20.908 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053183.D

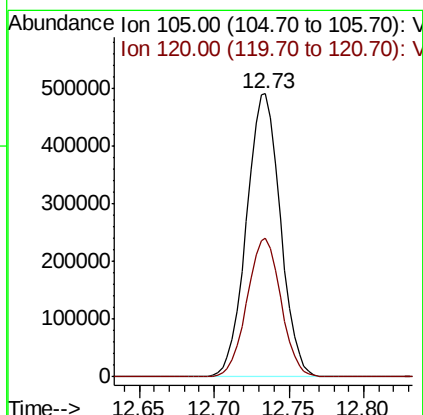
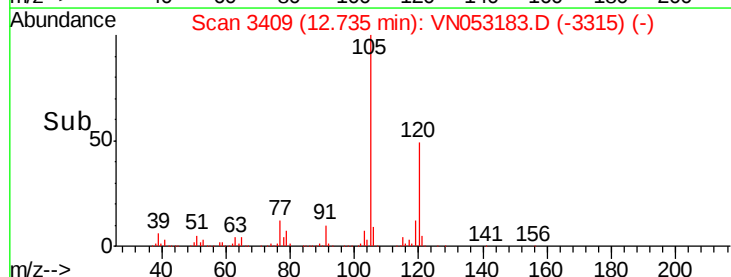
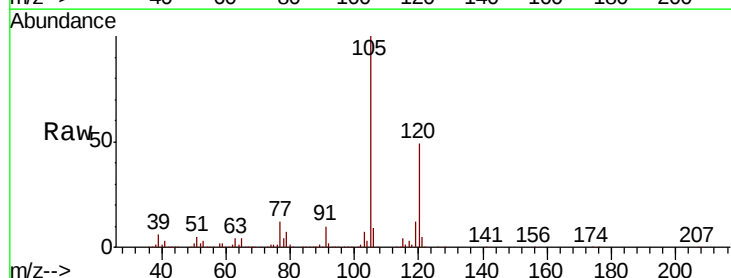
Acq: 24 Dec 2018 14:20

Tgt Ion: 105 Resp: 773157

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.750 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBSD01

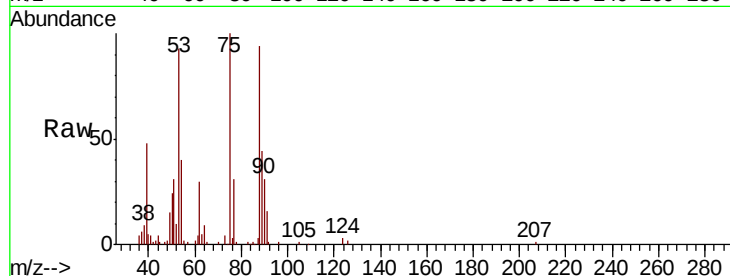
Tot Ion: 75 Resp: 59811

Ion Ratio Lower Upper

75 100

53 94.3 74.7 112.1

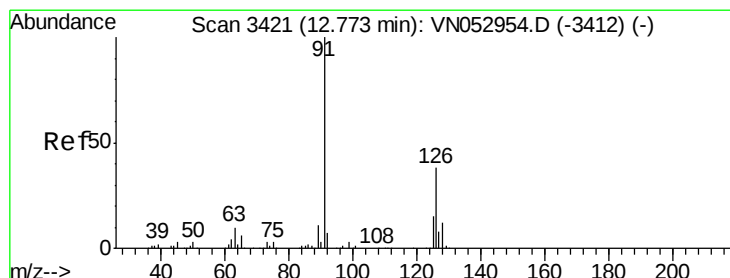
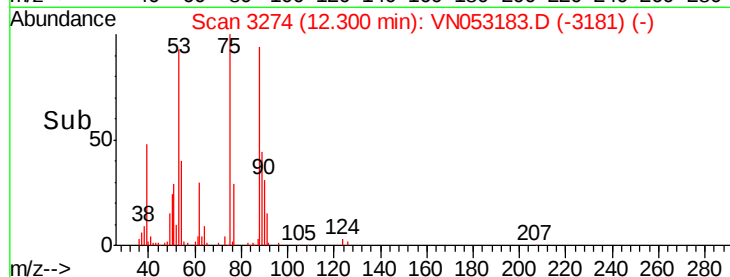
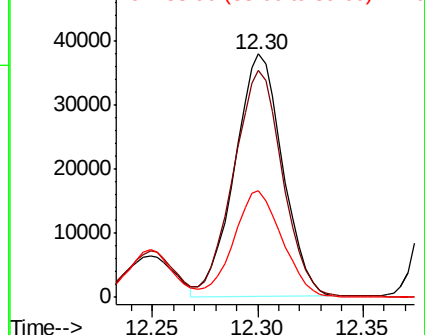
89 44.4 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.085 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053183.D

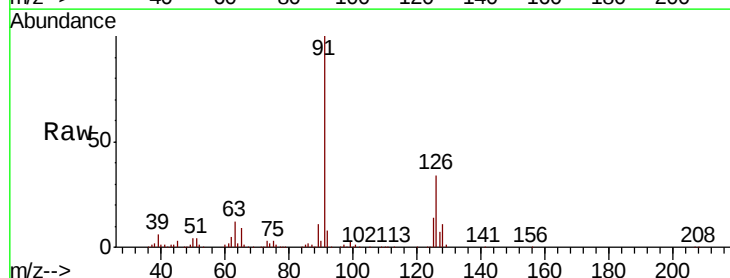
Acq: 24 Dec 2018 14:20

Tgt Ion: 91 Resp: 661044

Ion Ratio Lower Upper

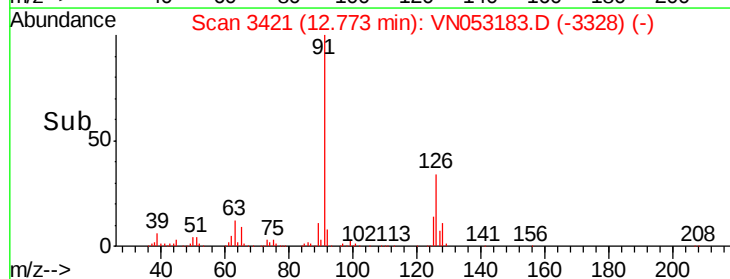
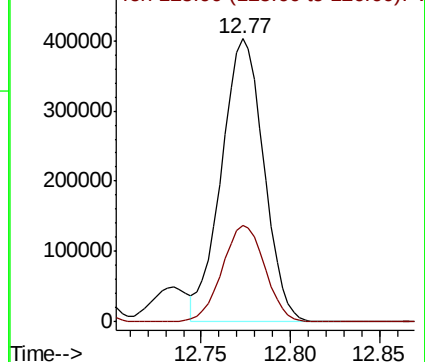
91 100

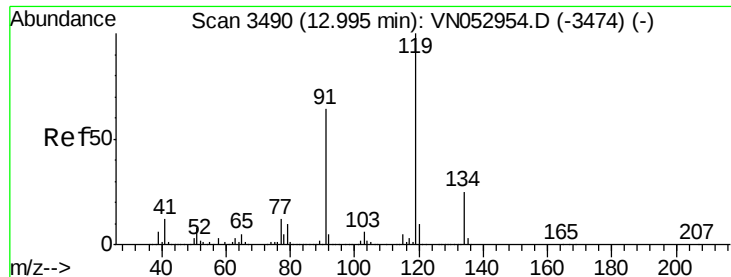
126 34.4 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

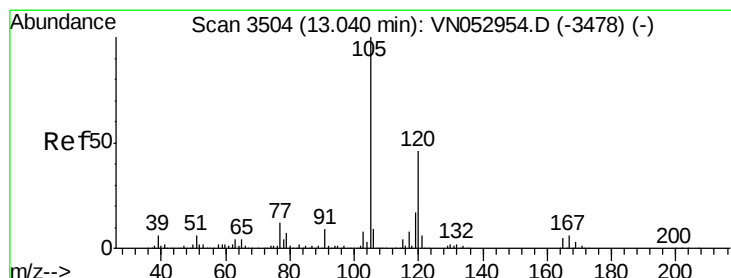
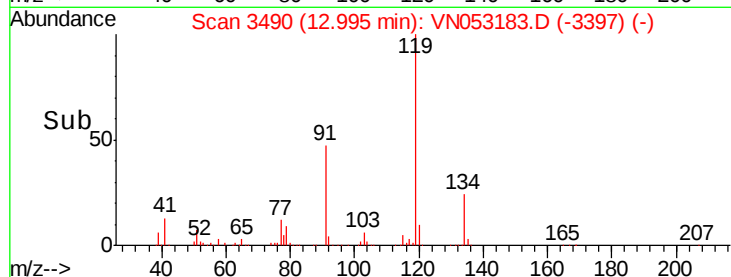
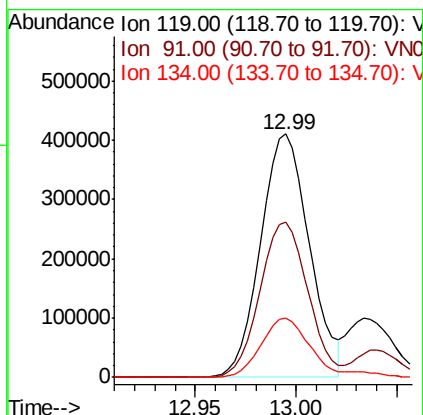
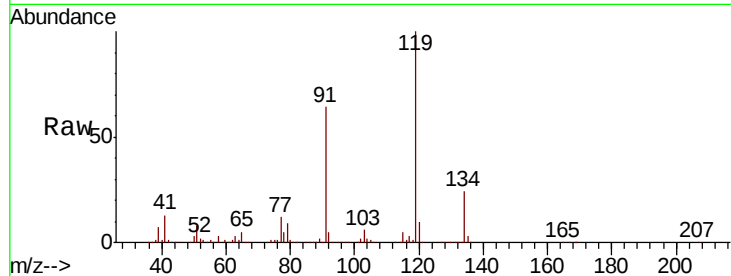




#83
tert-Butylbenzene
Concen: 21.120 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

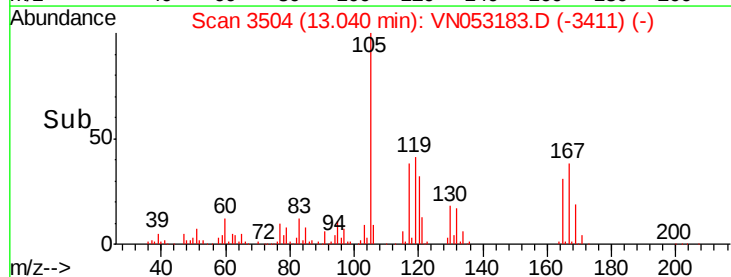
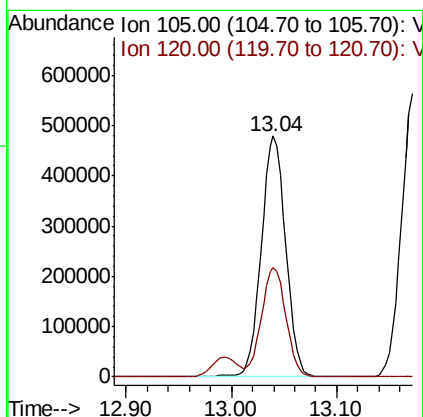
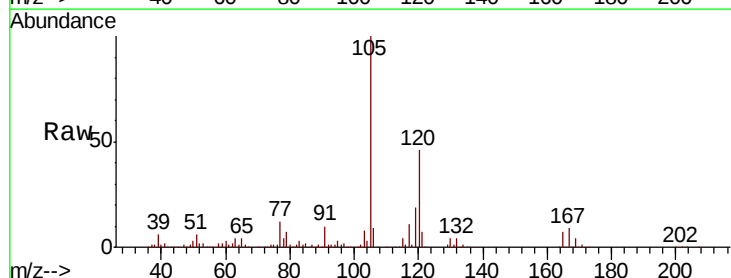
Instrument :
MSVOA_N
ClientSampleID :
VN1224WBSD01

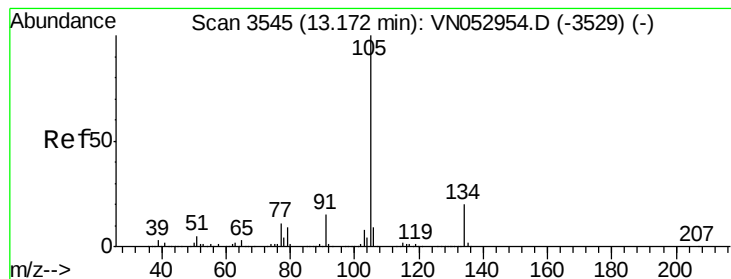
Tot Ion:119 Resp: 690712
Ion Ratio Lower Upper
119 100
91 63.0 31.9 95.5
134 25.5 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 20.828 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053183.D
Acq: 24 Dec 2018 14:20

Tgt Ion:105 Resp: 774272
Ion Ratio Lower Upper
105 100
120 45.5 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.128 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

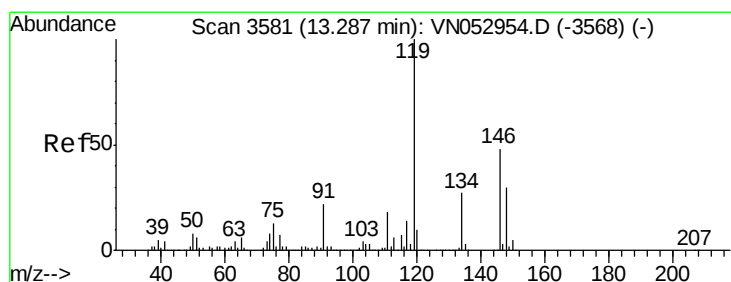
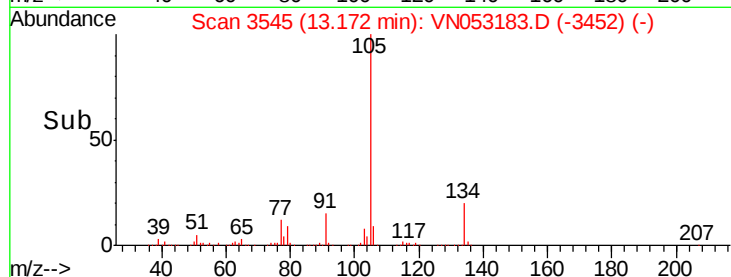
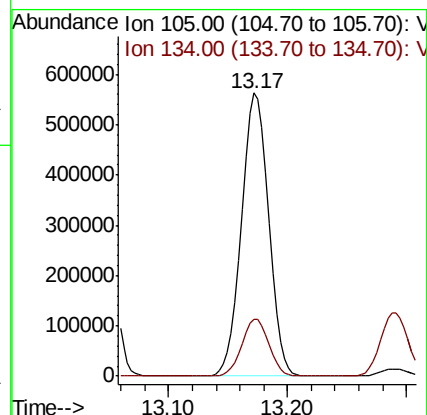
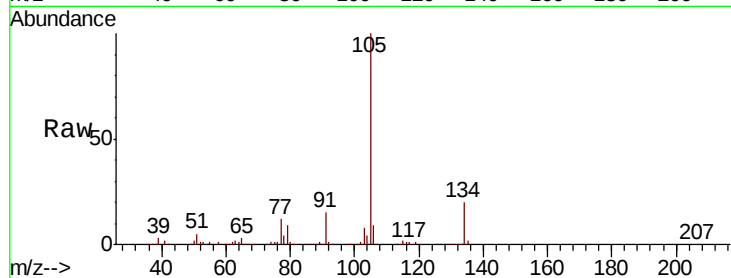
VN1224WBSD01

Tot Ion:105 Resp: 890391

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.3



#86

p-Isopropyltoluene

Concen: 19.729 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

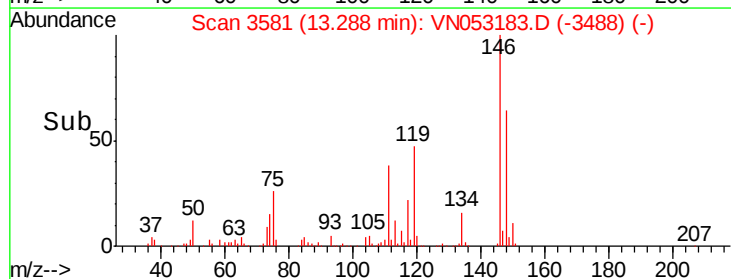
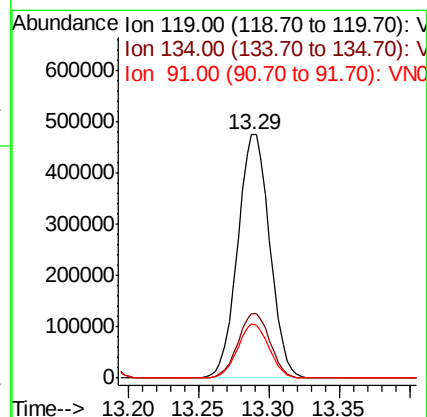
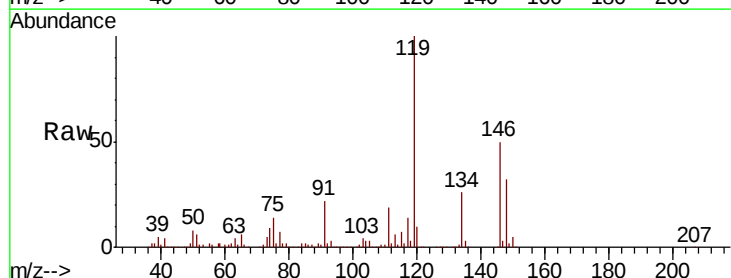
Tgt Ion:119 Resp: 754102

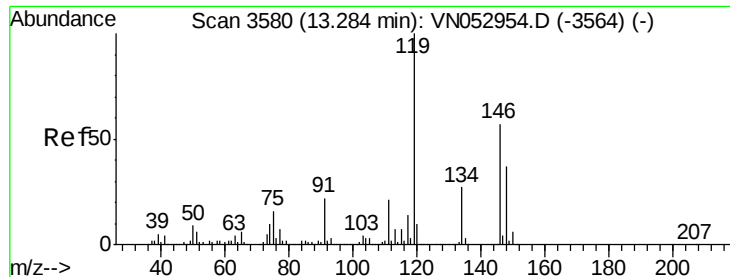
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 21.7 11.1 33.3

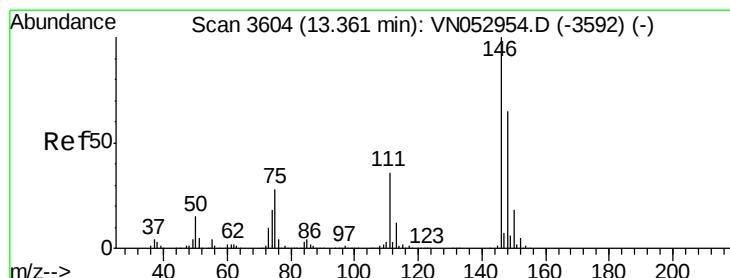
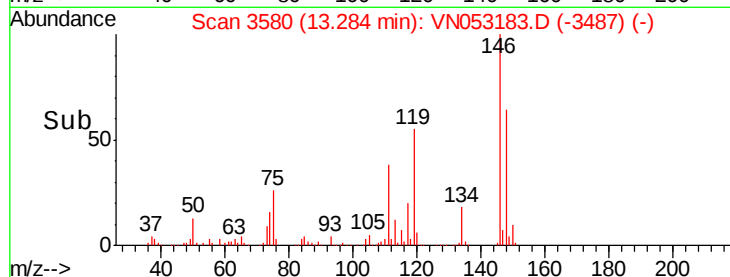
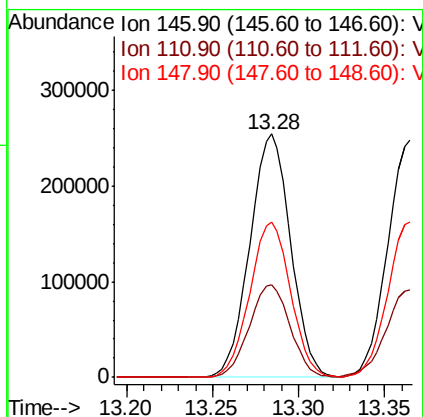
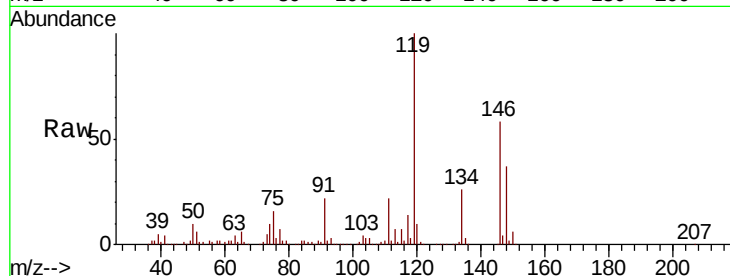




#87
 1,3-Dichlorobenzene
 Concen: 19.993 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053183.D
 Acq: 24 Dec 2018 14:20

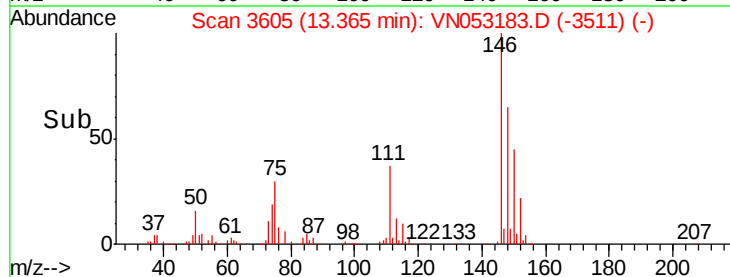
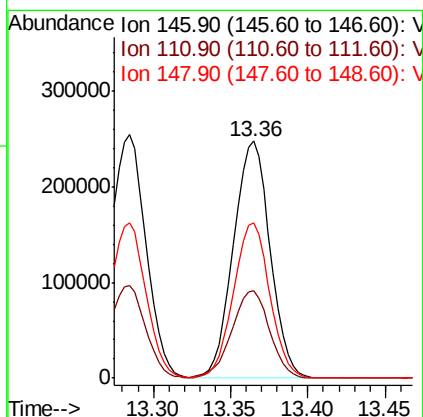
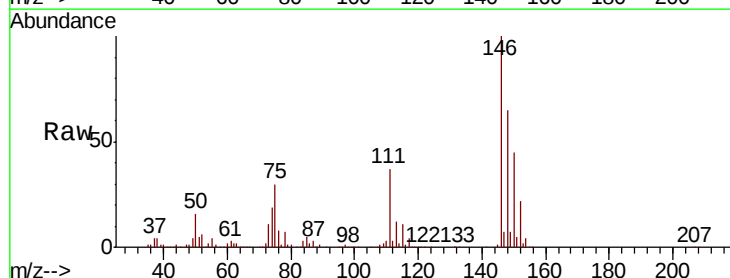
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBSD01

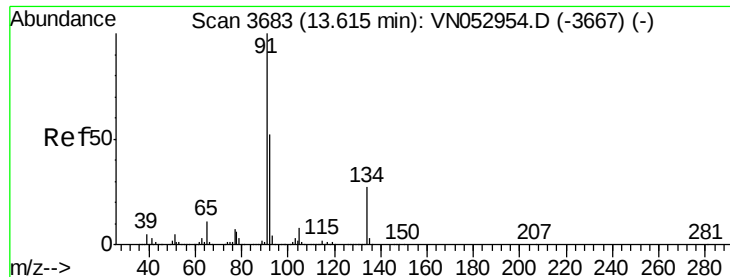
Tot Ion:146 Resp: 417293
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 63.9 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.239 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053183.D
 Acq: 24 Dec 2018 14:20

Tgt Ion:146 Resp: 406658
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.8
 148 65.1 32.1 96.5





#89

n-Butylbenzene

Concen: 17.923 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBSD01

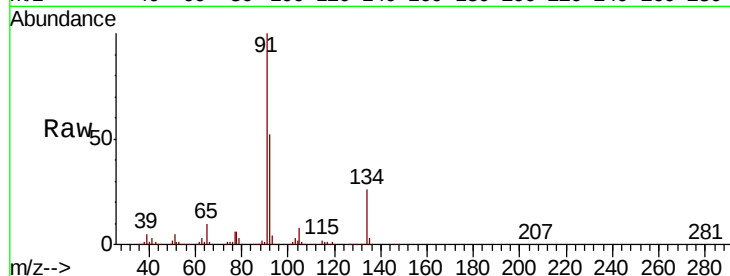
Tot Ion: 91 Resp: 589398

Ion Ratio Lower Upper

91 100

92 52.0 26.3 78.9

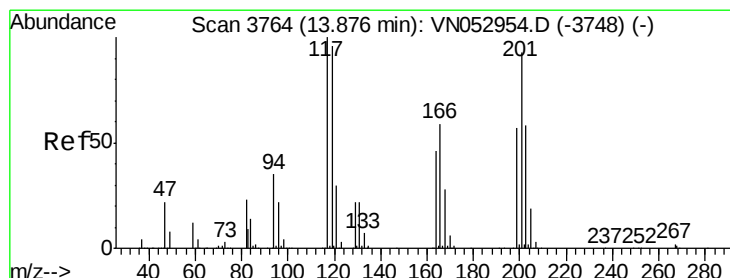
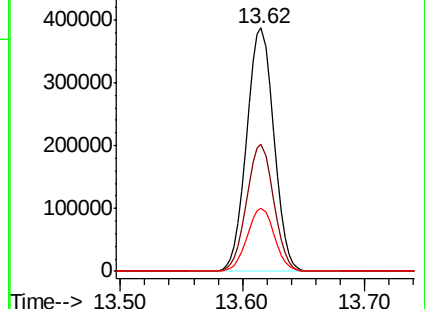
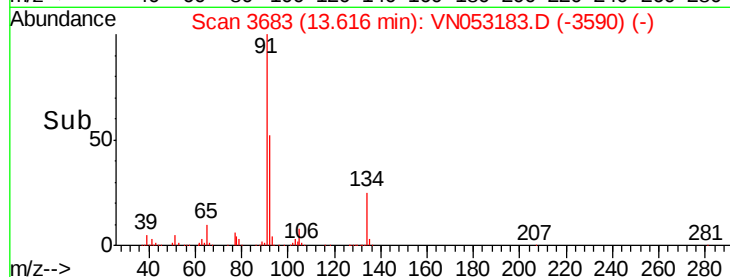
134 26.0 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 19.751 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053183.D

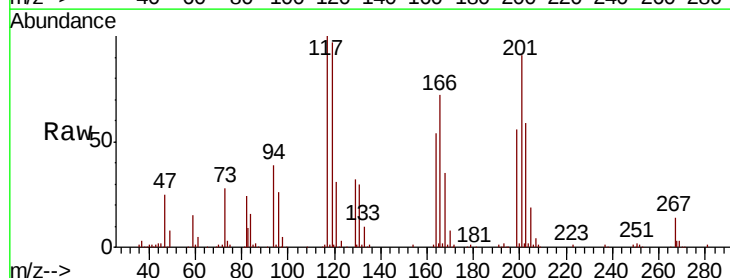
Acq: 24 Dec 2018 14:20

Tgt Ion: 117 Resp: 115854

Ion Ratio Lower Upper

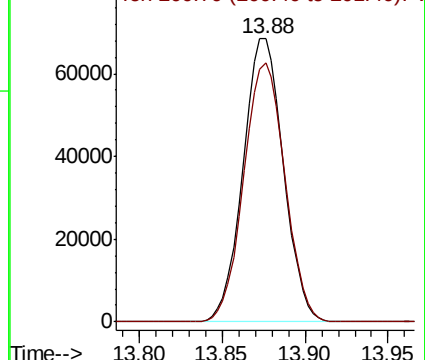
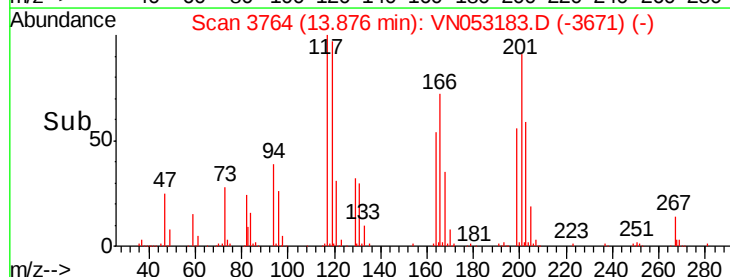
117 100

201 93.4 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 20.061 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBSD01

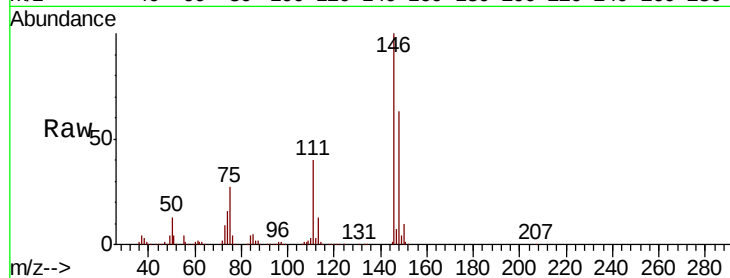
Tot Ion:146 Resp: 394074

Ion Ratio Lower Upper

146 100

111 39.5 19.7 59.0

148 63.2 32.0 96.0

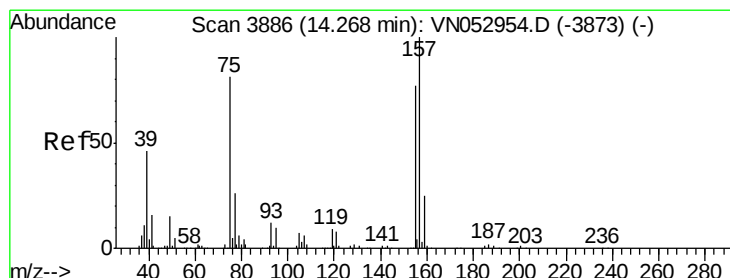
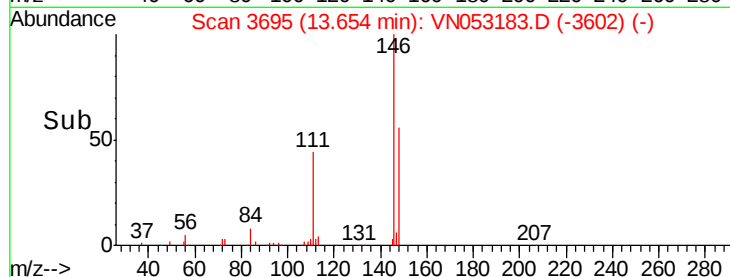
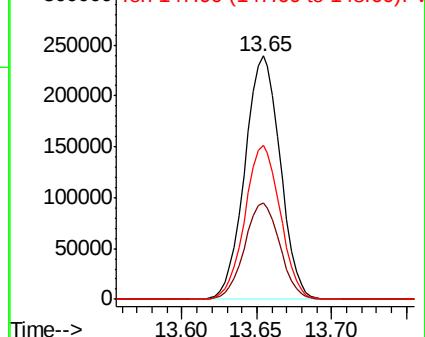


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.182 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

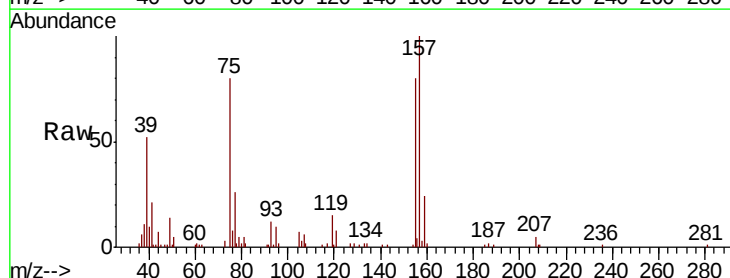
Tgt Ion: 75 Resp: 29520

Ion Ratio Lower Upper

75 100

155 97.2 48.2 144.6

157 121.7 61.2 183.5

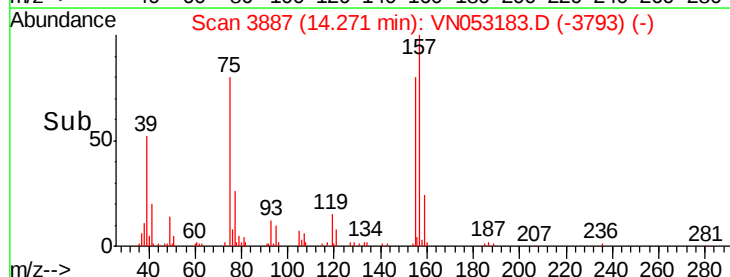
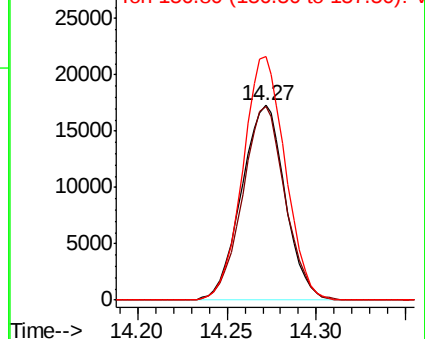


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

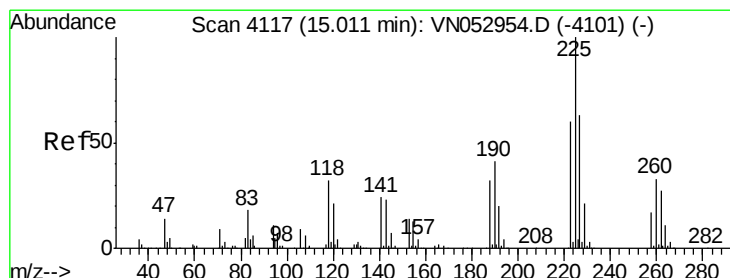
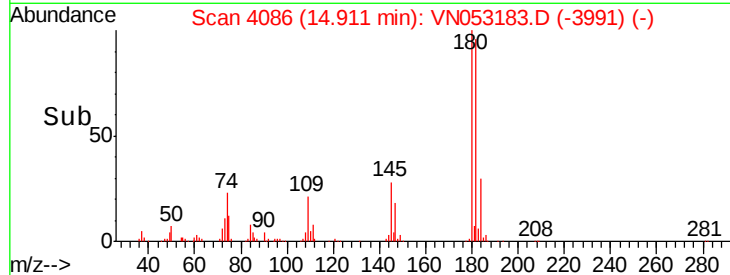
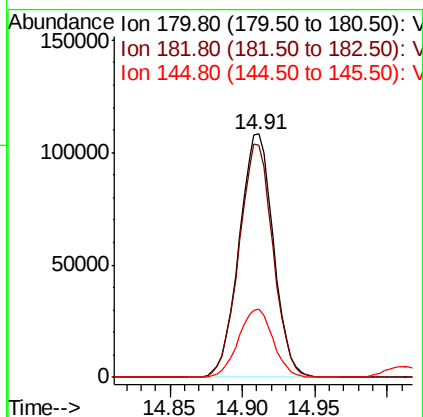
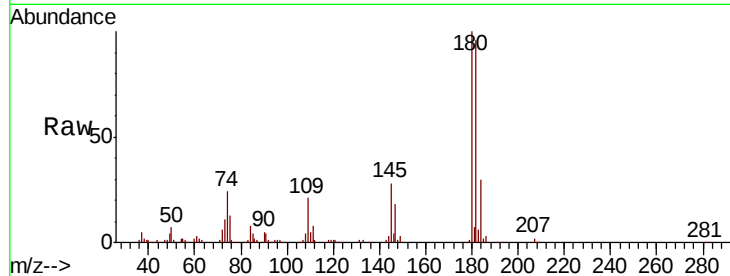




#93
 1,2,4-Trichlorobenzene
 Concen: 17.458 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053183.D
 Acq: 24 Dec 2018 14:20

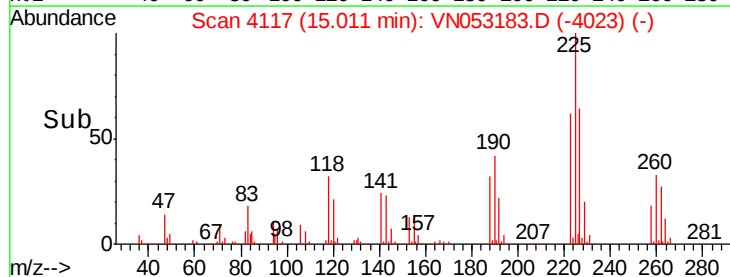
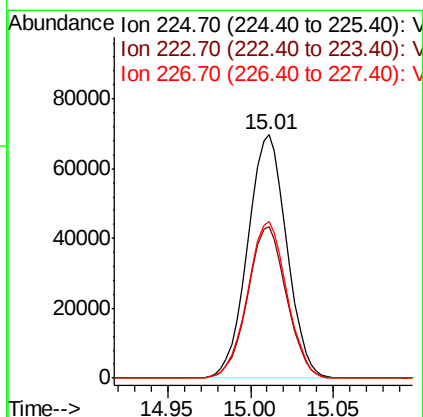
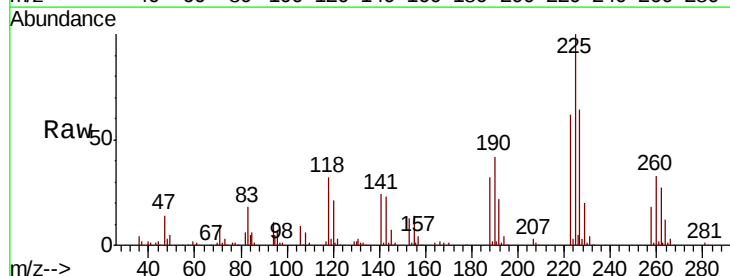
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBSD01

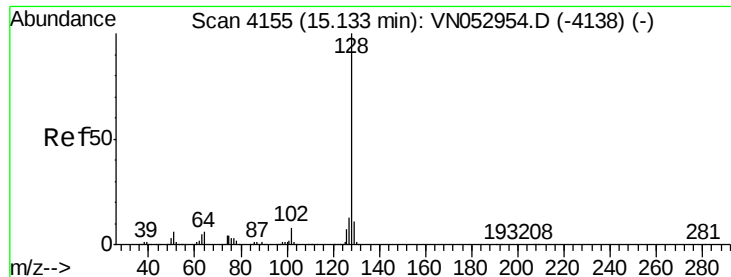
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.8	143.3
145	28.3	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 19.485 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053183.D
 Acq: 24 Dec 2018 14:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.5	94.5
227	64.4	31.9	95.7





#95

Naphthalene

Concen: 17.957 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

Instrument :

MSVOA_N

ClientSampleId :

VN1224WBSD01

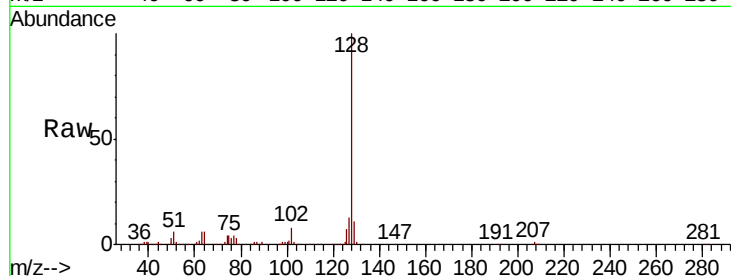
Tot Ion:128 Resp: 392249

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 11.1 8.6 13.0

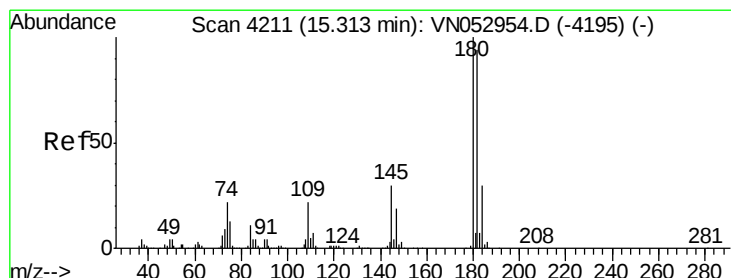
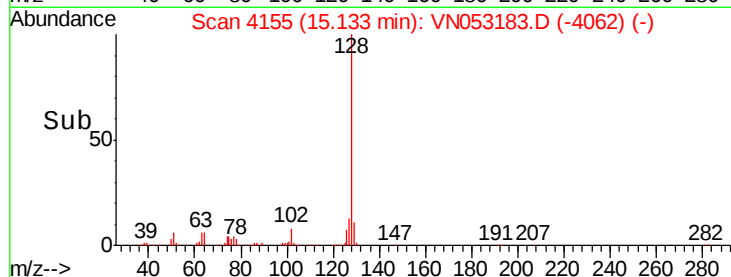
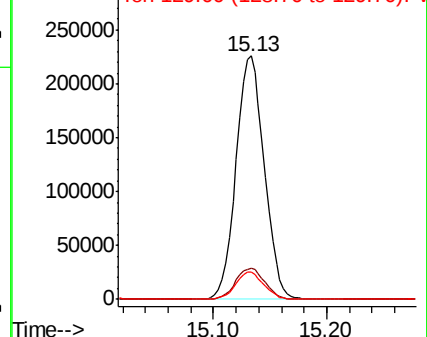


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.471 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053183.D

Acq: 24 Dec 2018 14:20

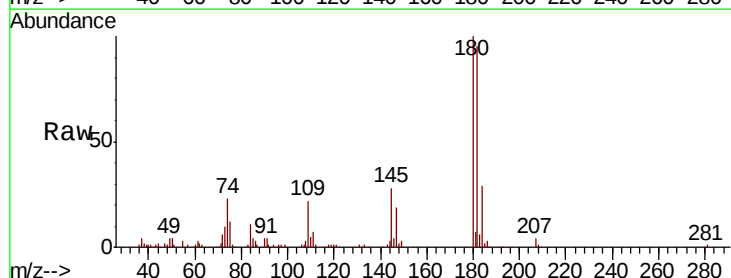
Tgt Ion:180 Resp: 160606

Ion Ratio Lower Upper

180 100

182 96.8 47.9 143.7

145 29.4 15.0 45.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

