

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053176.D
 Acq On : 24 Dec 2018 11:14
 Operator : MD\SY
 Sample : VN1224MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

Quant Time: Dec 24 22:25:31 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	935534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1420749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1260847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	572113	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	499482	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
35) Dibromofluoromethane	7.59	113	418101	64.42	ug/l	0.00
Spiked Amount			Recovery	=	128.84%	
50) Toluene-d8	10.09	98	1774085	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	609107	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	179550	18.963	ug/l	99
3) Chloromethane	2.06	50	231807	20.203	ug/l	100
4) Vinyl Chloride	2.19	62	229973	19.791	ug/l	100
5) Bromomethane	2.57	94	146380	18.182	ug/l	99
6) Chloroethane	2.71	64	137108	19.923	ug/l	99
7) Trichlorofluoromethane	3.02	101	296680	20.495	ug/l	98
8) Diethyl Ether	3.41	74	120328	22.034	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	190645	20.656	ug/l	99
10) Methyl Iodide	3.96	142	231749	17.880	ug/l	99
11) Tert butyl alcohol	4.78	59	61863	106.793	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	180819	20.278	ug/l	99
13) Acrolein	3.61	56	62631	119.239	ug/l	100
14) Allyl chloride	4.33	41	311219	22.533	ug/l	94
15) Acrylonitrile	4.99	53	359330	111.656	ug/l	100
16) Acetone	3.82	43	209460	112.525	ug/l	97
17) Carbon Disulfide	4.06	76	497236	17.099	ug/l	100
18) Methyl Acetate	4.32	43	196810	23.825	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	524133	21.965	ug/l	100
20) Methylene Chloride	4.55	84	213328	21.009	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	193339	20.181	ug/l	98
22) Diisopropyl ether	5.95	45	661079	22.423	ug/l	98
23) Vinyl Acetate	5.90	43	1921773	113.359	ug/l	99
24) 1,1-Dichloroethane	5.85	63	379298	21.651	ug/l	99
25) 2-Butanone	6.83	43	369260	118.202	ug/l	96
26) 2,2-Dichloropropane	6.83	77	276114	20.647	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	228311	21.050	ug/l	99
28) Bromochloromethane	7.20	49	169128	22.279	ug/l	97
29) Tetrahydrofuran	7.21	42	267101	114.478	ug/l	98
30) Chloroform	7.37	83	366224	21.280	ug/l	98
31) Cyclohexane	7.65	56	348666	20.603	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	303554	20.706	ug/l	100
36) 1,1-Dichloropropene	7.79	75	279809	20.519	ug/l	99
37) Ethyl Acetate	6.93	43	172121	22.610	ug/l	98
38) Carbon Tetrachloride	7.78	117	258057	20.646	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	317897	19.190	ug/l	100
40) Benzene	8.04	78	866689	21.367	ug/l	100
41) Methacrylonitrile	7.17	41	102081	23.208	ug/l	95
42) 1,2-Dichloroethane	8.12	62	255026	21.283	ug/l	98
43) Isopropyl Acetate	8.16	43	319286	21.069	ug/l	98
44) Trichloroethene	8.84	130	234441	19.983	ug/l	99
45) 1,2-Dichloropropane	9.12	63	228570	21.634	ug/l	99
46) Dibromomethane	9.21	93	131221	21.320	ug/l	99
47) Bromodichloromethane	9.40	83	277367	21.201	ug/l	99
48) Methyl methacrylate	9.20	41	160353	21.707	ug/l	99
49) 1,4-Dioxane	9.20	88	35420	379.051	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	859657	116.606	ug/l	100
52) Toluene	10.16	92	527964	21.000	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	275546	20.029	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	329509	20.867	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	190047	21.667	ug/l	98
56) Ethyl methacrylate	10.43	69	250587	21.585	ug/l	98
57) 1,3-Dichloropropane	10.71	76	329566	21.911	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	705199	110.645	ug/l	99
59) 2-Hexanone	10.75	43	574616	115.201	ug/l	100
60) Dibromochloromethane	10.90	129	206777	20.595	ug/l	99
61) 1,2-Dibromoethane	11.01	107	188706	21.184	ug/l	100
64) Tetrachloroethene	10.63	164	251449	18.411	ug/l	99
65) Chlorobenzene	11.43	112	580231	20.760	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	205625	21.156	ug/l	100
67) Ethyl Benzene	11.51	91	998089	20.765	ug/l	99
68) m/p-Xylenes	11.62	106	753751	41.251	ug/l	99
69) o-Xylene	11.95	106	371522	21.189	ug/l	100
70) Styrene	11.96	104	607804	21.259	ug/l	99
71) Bromoform	12.13	173	138261	19.691	ug/l #	99
73) Isopropylbenzene	12.25	105	974528	21.771	ug/l	100
74) N-amyl acetate	12.07	43	266325	21.430	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	219219	24.963	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	285178	29.611	ug/l #	100
77) Bromobenzene	12.53	156	251454	21.610	ug/l	99
78) n-propylbenzene	12.59	91	1083770	21.258	ug/l	100
79) 2-Chlorotoluene	12.67	91	654284	20.705	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	769708	21.096	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59273	19.836	ug/l	97
82) 4-Chlorotoluene	12.77	91	661379	21.380	ug/l	100
83) tert-Butylbenzene	12.99	119	680263	21.082	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	773955	21.101	ug/l	99
85) sec-Butylbenzene	13.17	105	893814	20.479	ug/l	100
86) p-Isopropyltoluene	13.29	119	762313	20.213	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	425873	20.679	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	422962	20.281	ug/l	100
89) n-Butylbenzene	13.62	91	608678	18.760	ug/l	100
90) Hexachloroethane	13.87	117	116202	20.078	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	413423	21.330	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31505	20.748	ug/l	98

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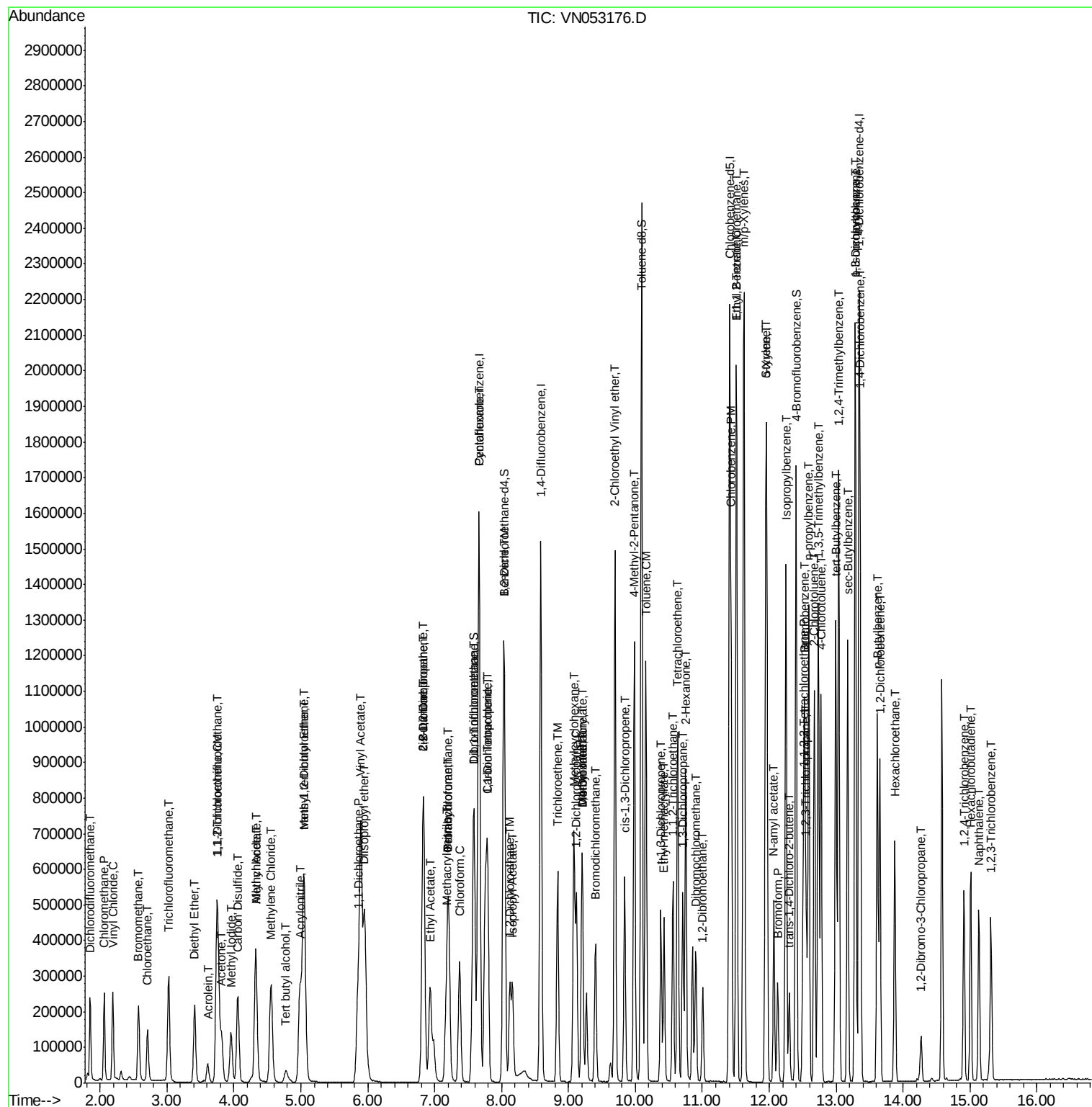
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	188142	18.700	ug/l	99
94) Hexachlorobutadiene	15.01	225	124948	21.886	ug/l	99
95) Naphthalene	15.13	128	417617	19.287	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	171738	18.892	ug/l	100

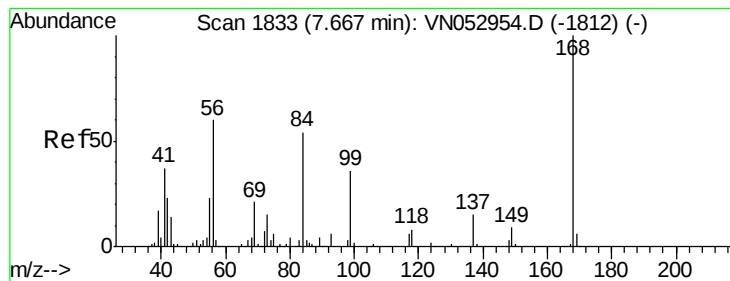
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122418\
Data File : VN053176.D
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Quant Time: Dec 24 22:25:31 2018
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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

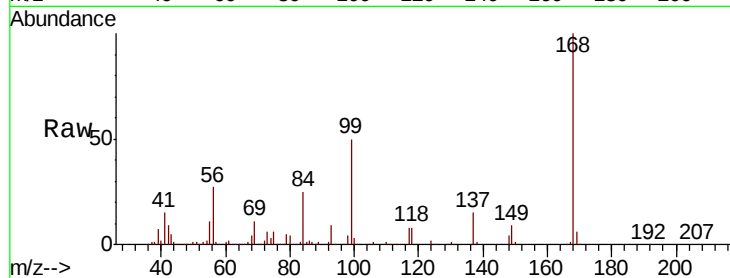
VN1224MBSD01

Tot Ion:168 Resp: 935534

Ion Ratio Lower Upper

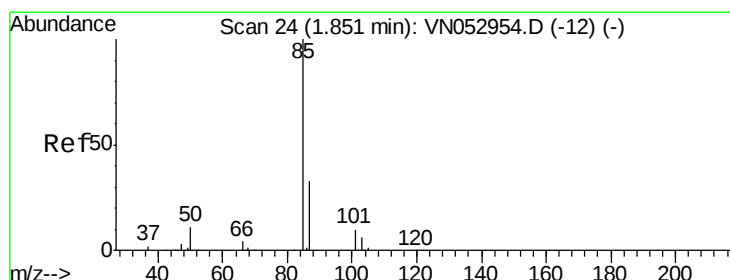
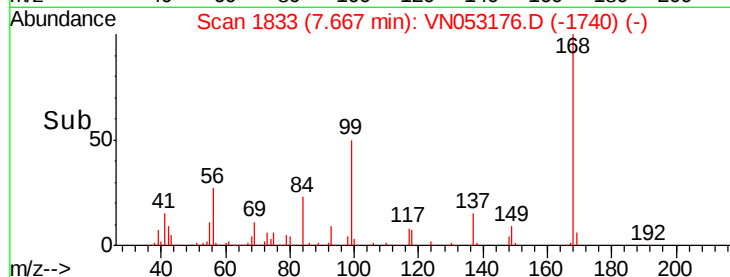
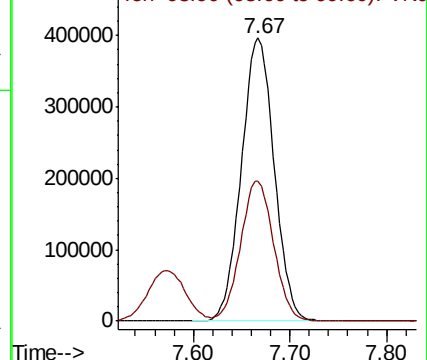
168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.963 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053176.D

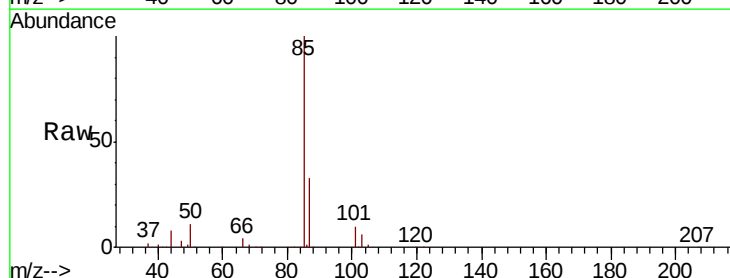
Acq: 24 Dec 2018 11:14

Tgt Ion: 85 Resp: 179550

Ion Ratio Lower Upper

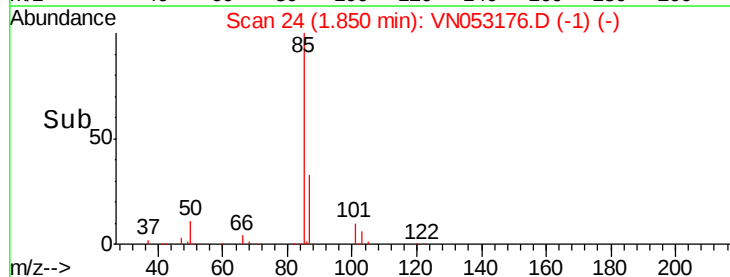
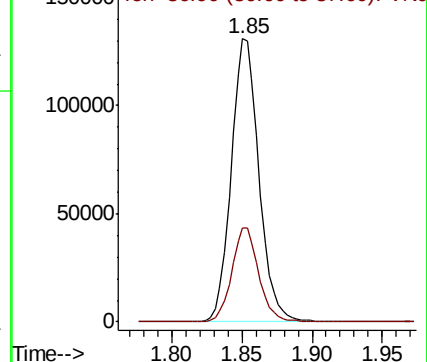
85 100

87 33.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.203 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

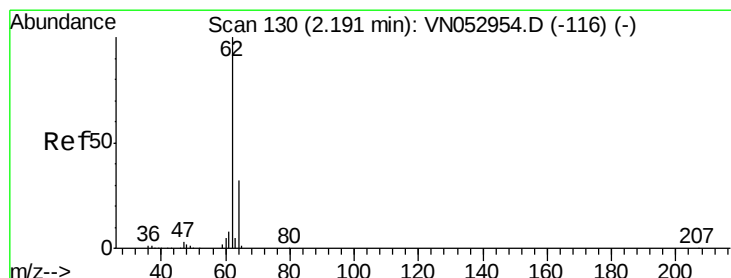
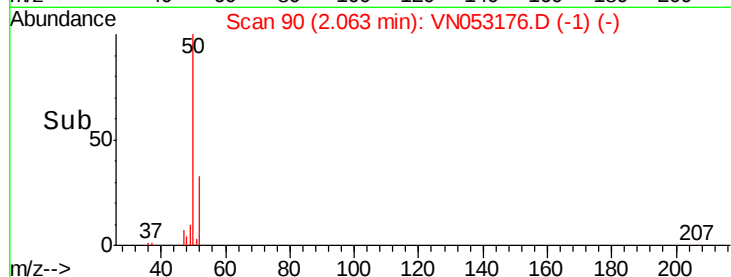
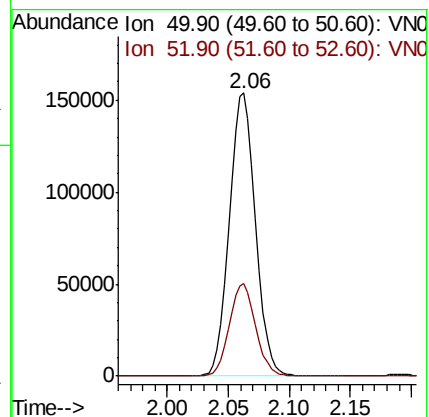
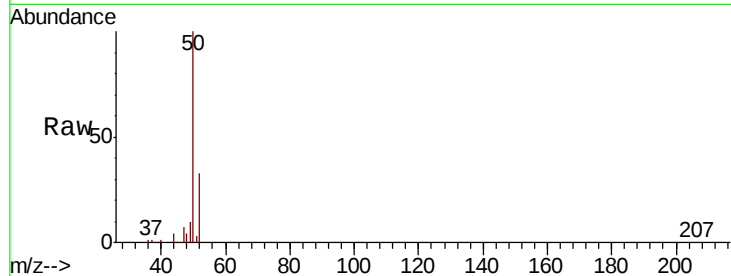
VN1224MBSD01

Tot Ion: 50 Resp: 231807

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.4



#4

Vinyl Chloride

Concen: 19.791 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053176.D

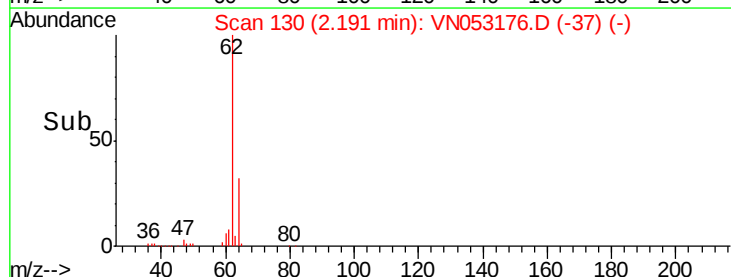
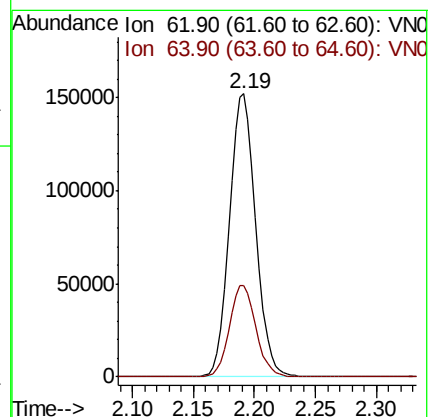
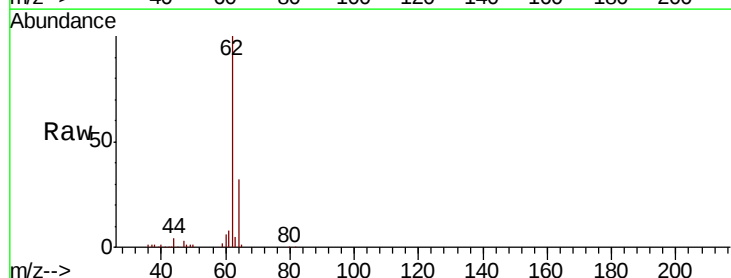
Acq: 24 Dec 2018 11:14

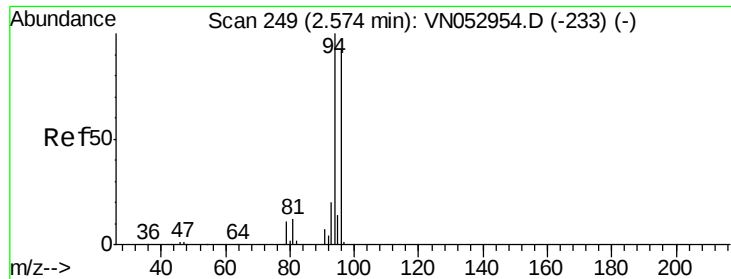
Tgt Ion: 62 Resp: 229973

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 18.182 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

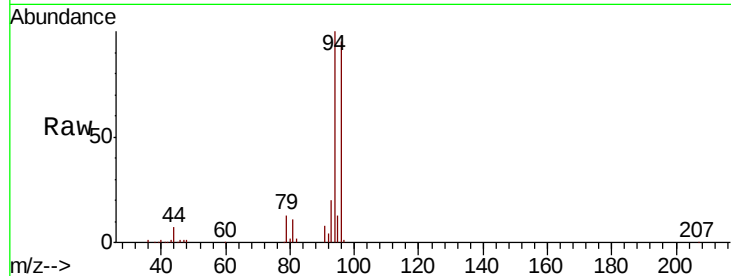
VN1224MBSD01

Tot Ion: 94 Resp: 146380

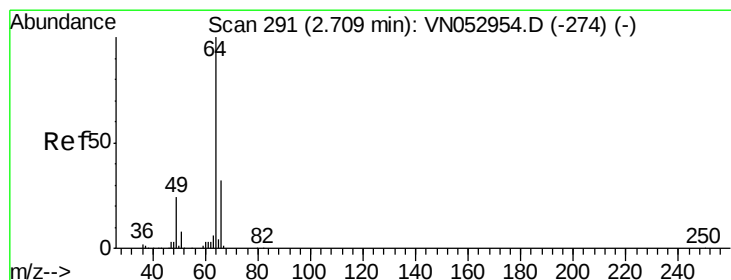
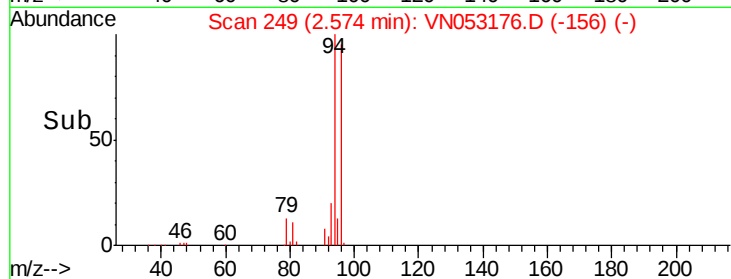
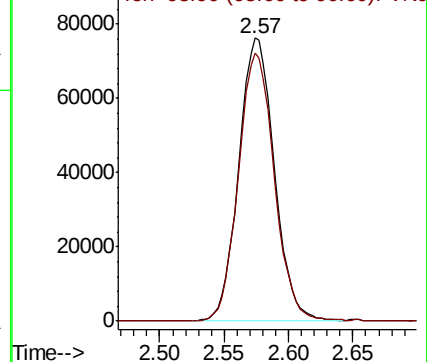
Ion Ratio Lower Upper

94 100

96 94.7 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.923 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053176.D

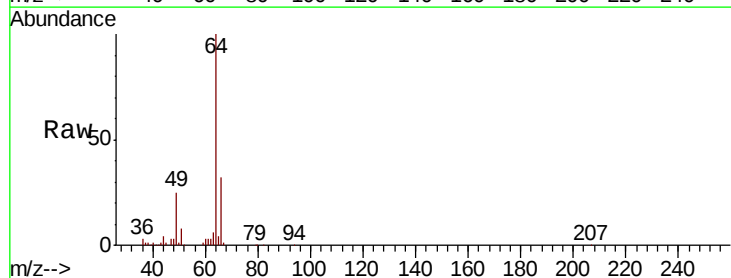
Acq: 24 Dec 2018 11:14

Tgt Ion: 64 Resp: 137108

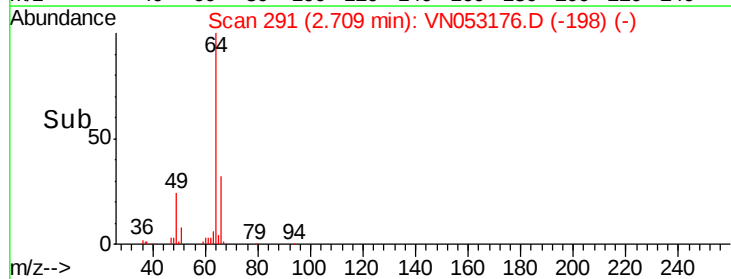
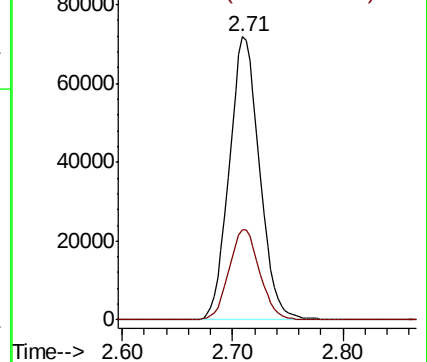
Ion Ratio Lower Upper

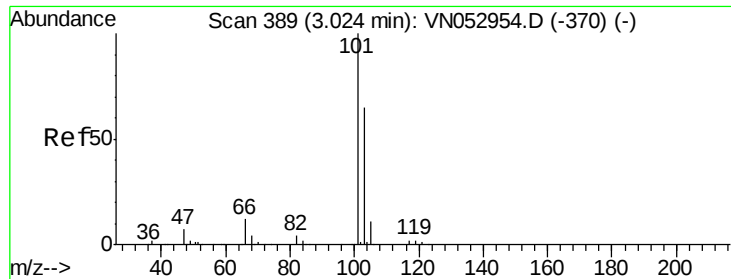
64 100

66 32.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



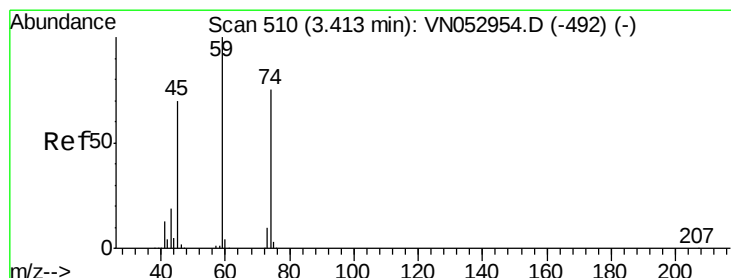
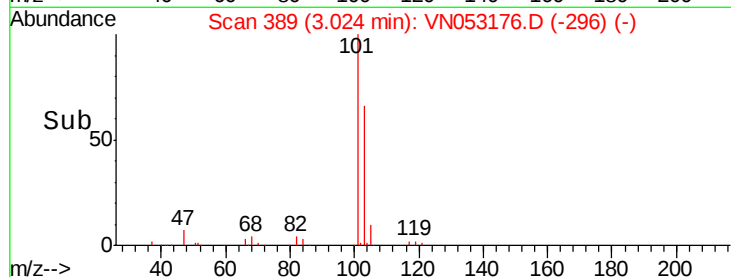
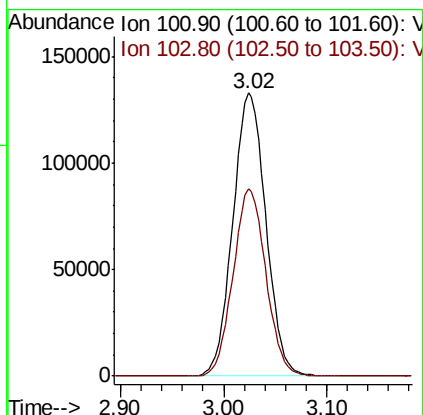
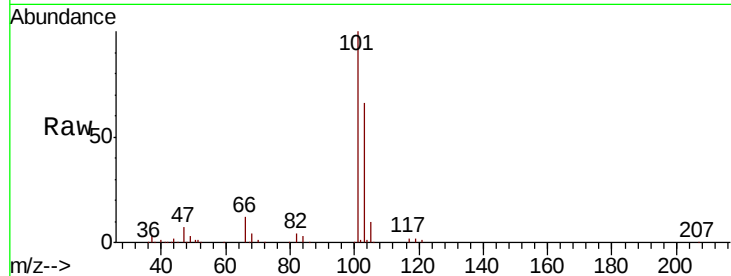


#7

Trichlorofluoromethane
 Concen: 20.495 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Instrument :
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 VN1224MBSD01

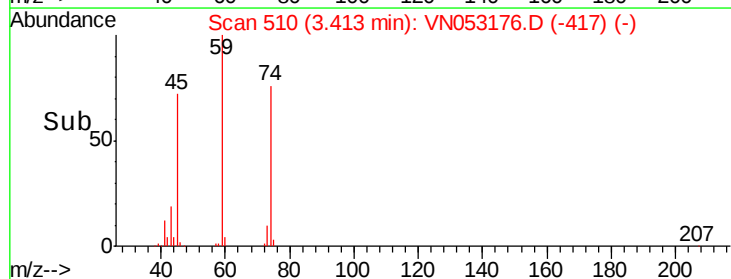
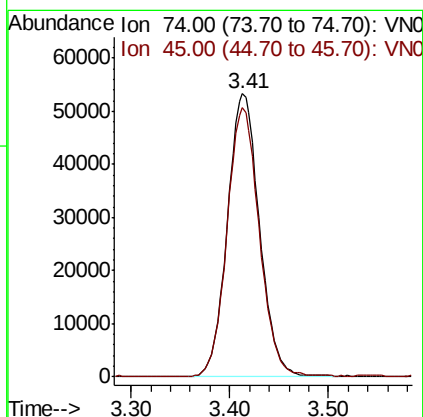
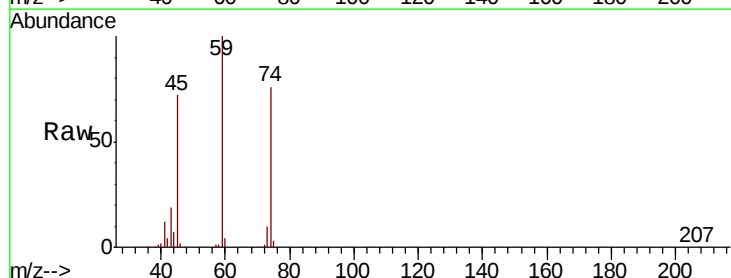
Tot Ion:101 Resp: 296680
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.8 77.6

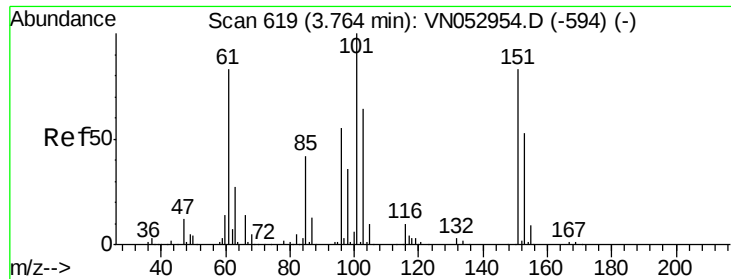


#8

Diethyl Ether
 Concen: 22.034 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion: 74 Resp: 120328
 Ion Ratio Lower Upper
 74 100
 45 96.2 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.656 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

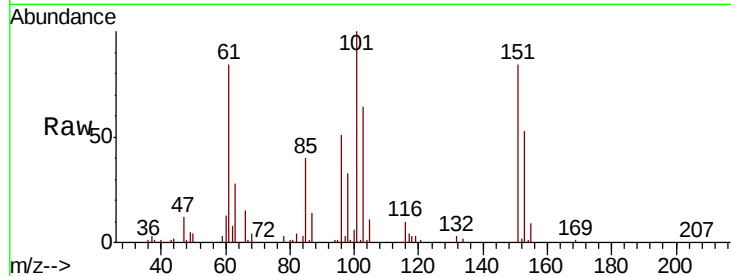
Tot Ion:101 Resp: 190645

Ion Ratio Lower Upper

101 100

85 41.6 33.6 50.4

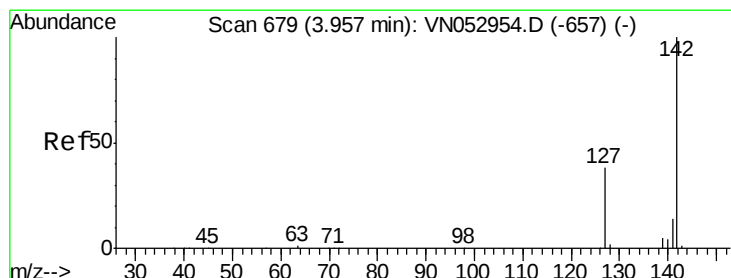
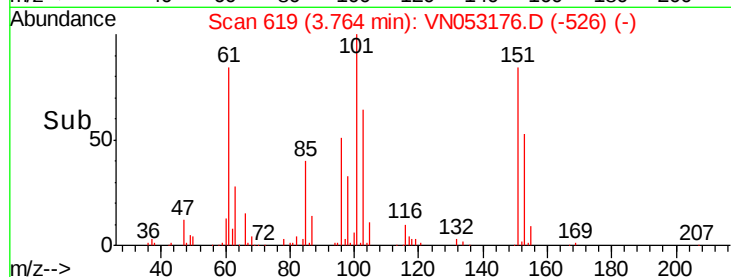
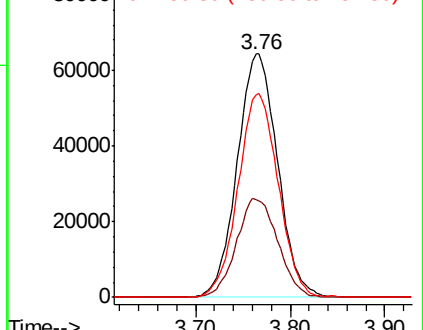
151 83.2 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.880 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

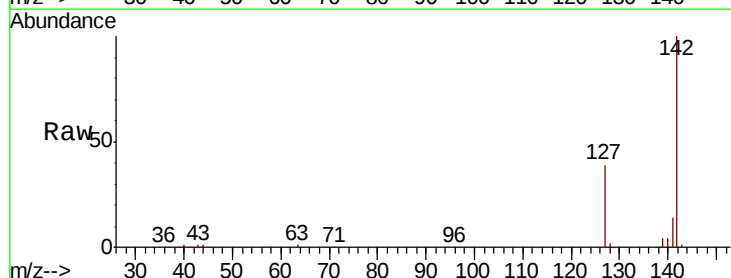
Tgt Ion:142 Resp: 231749

Ion Ratio Lower Upper

142 100

127 37.9 31.0 46.6

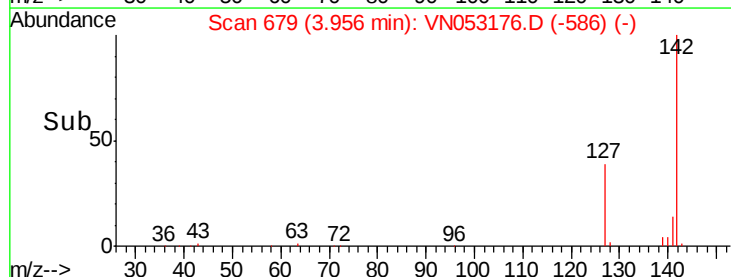
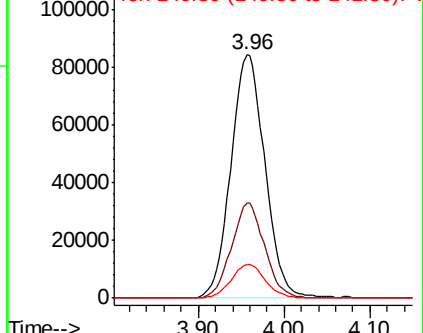
141 13.8 11.2 16.8

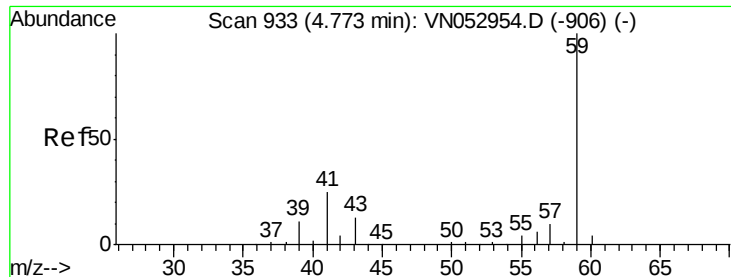


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



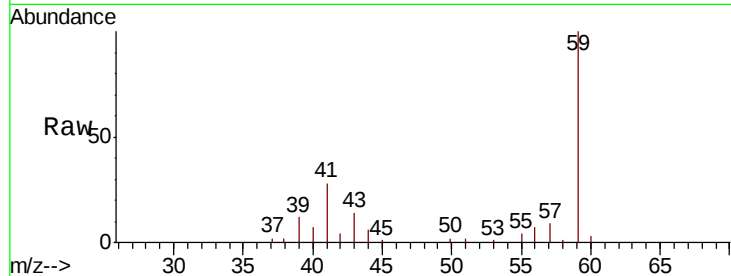


#11

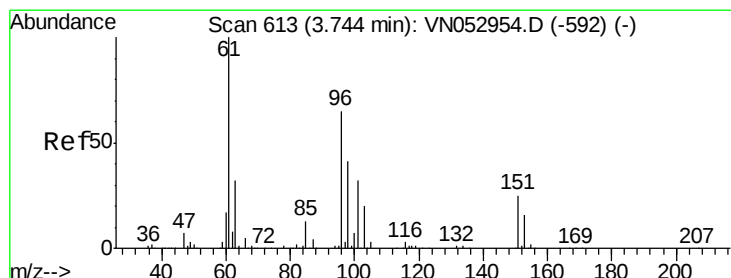
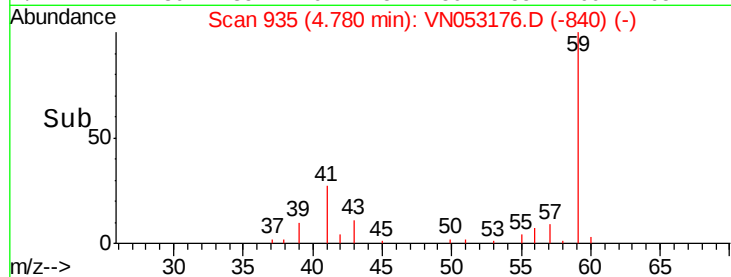
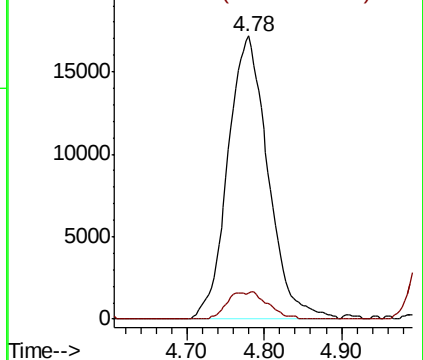
Tert butyl alcohol
 Concen: 106.793 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

Tot Ion: 59 Resp: 61863
 Ion Ratio Lower Upper
 59 100
 57 4.7 7.7 11.5#



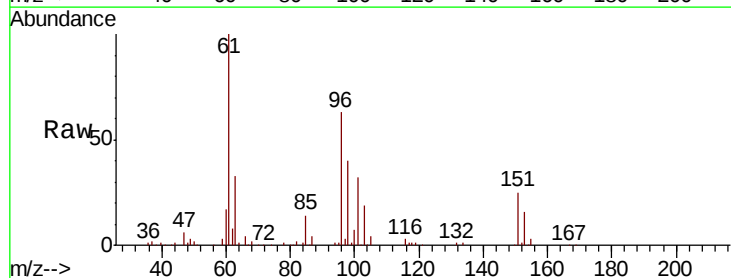
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



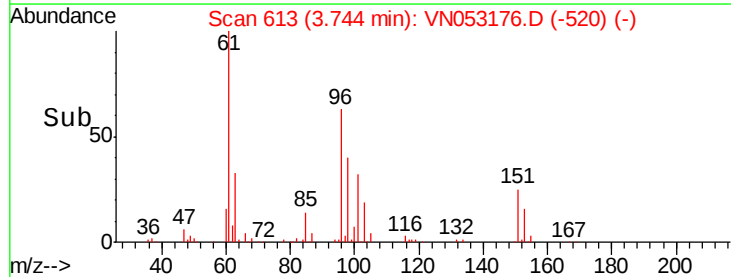
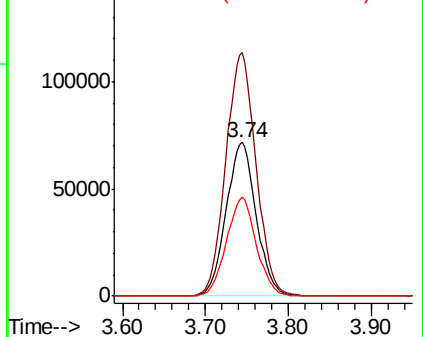
#12

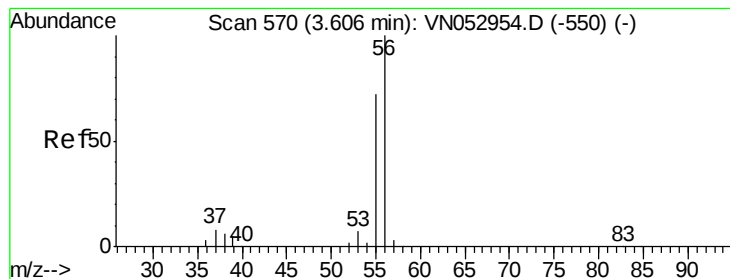
1,1-Dichloroethene
 Concen: 20.278 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion: 96 Resp: 180819
 Ion Ratio Lower Upper
 96 100
 61 158.5 125.6 188.4
 98 64.0 50.6 75.8



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





#13

Acrolein

Concen: 119.239 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

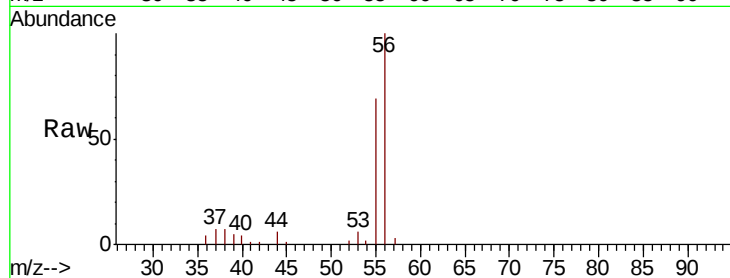
VN1224MBSD01

Tot Ion: 56 Resp: 62631

Ion Ratio Lower Upper

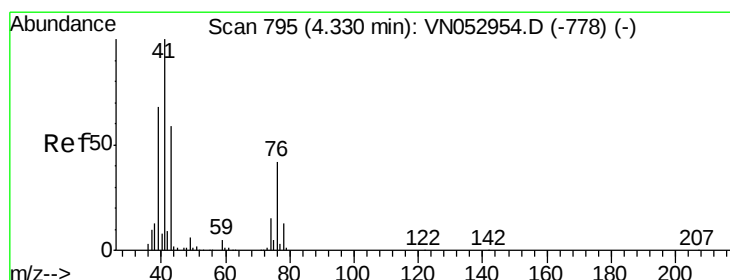
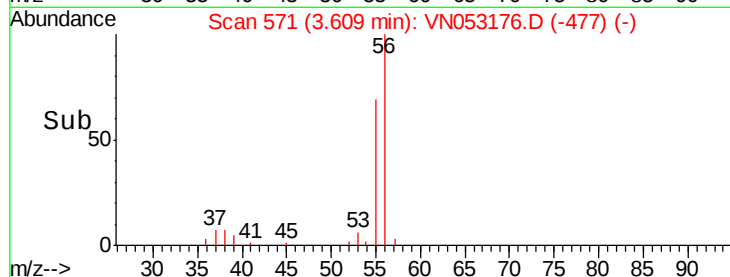
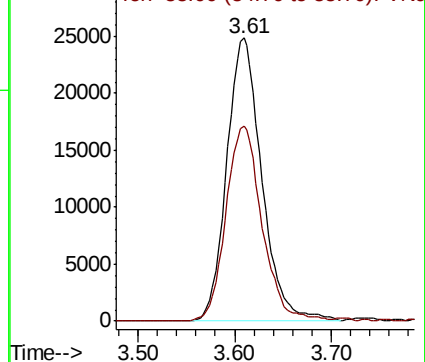
56 100

55 70.9 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 22.533 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

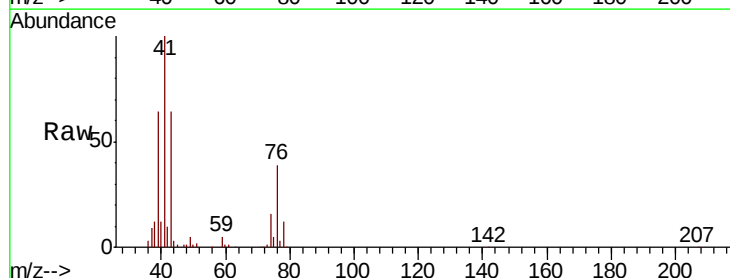
Tgt Ion: 41 Resp: 311219

Ion Ratio Lower Upper

41 100

39 61.5 54.1 81.1

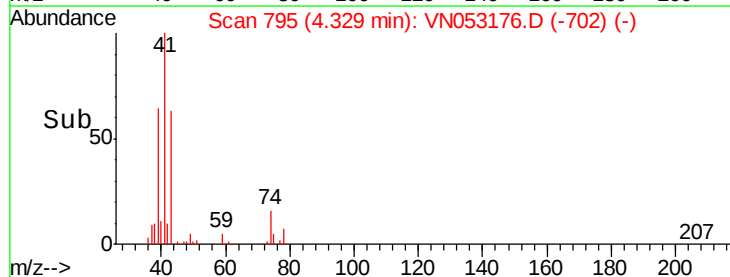
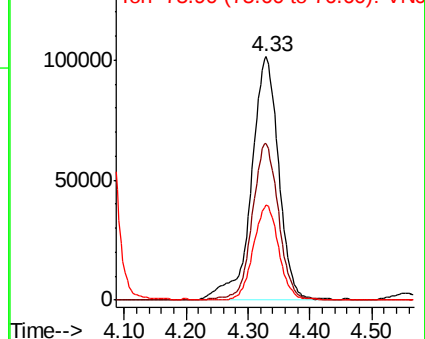
76 35.7 30.3 45.5

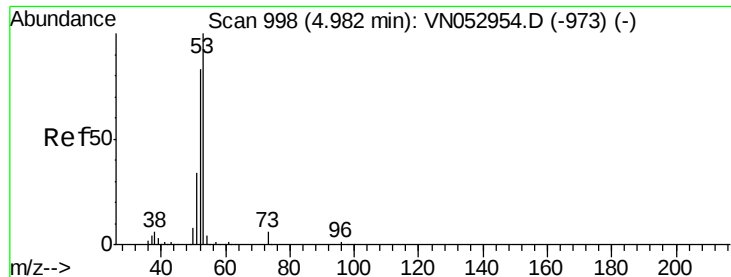


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 111.656 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

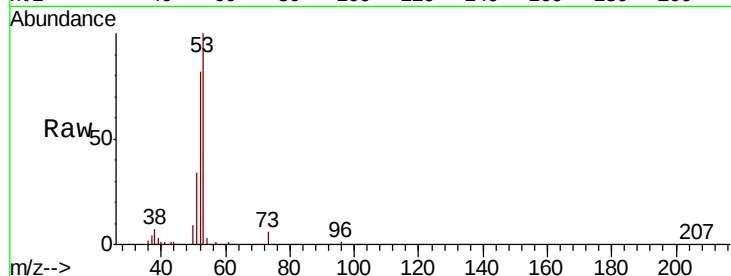
Tot Ion: 53 Resp: 359330

Ion Ratio Lower Upper

53 100

52 81.5 65.1 97.7

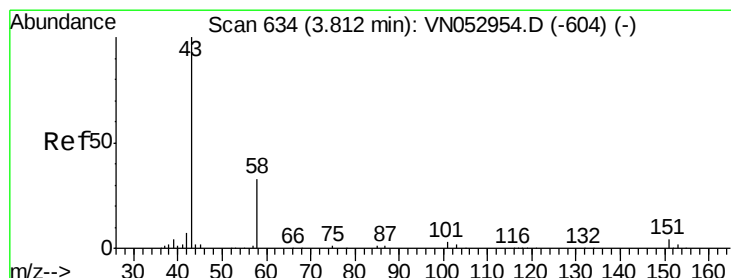
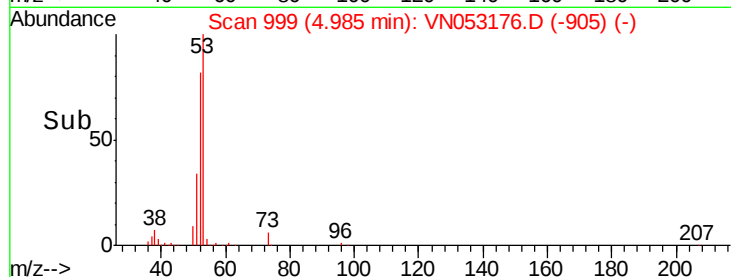
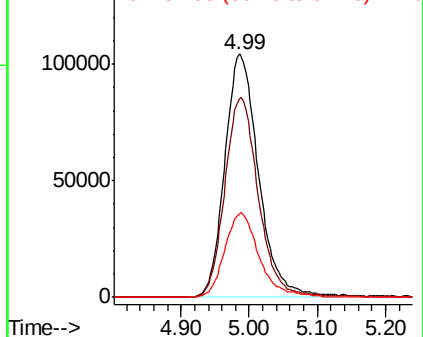
51 35.5 28.1 42.1



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: 112.525 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053176.D

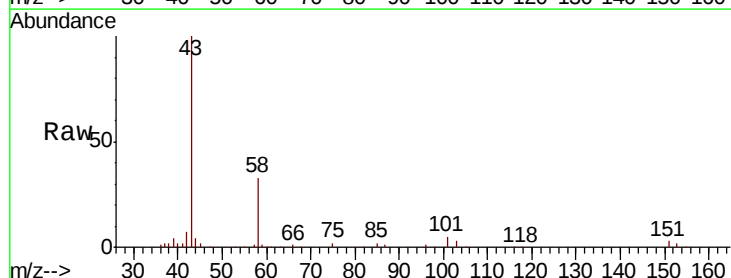
Acq: 24 Dec 2018 11:14

Tgt Ion: 43 Resp: 209460

Ion Ratio Lower Upper

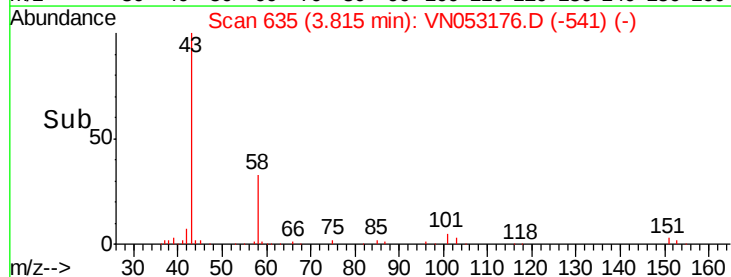
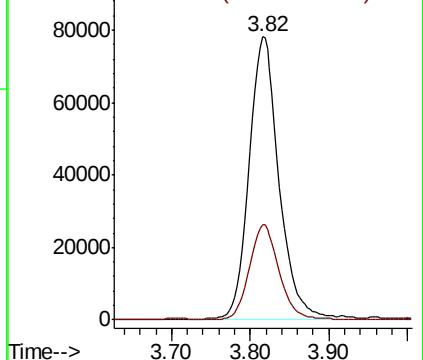
43 100

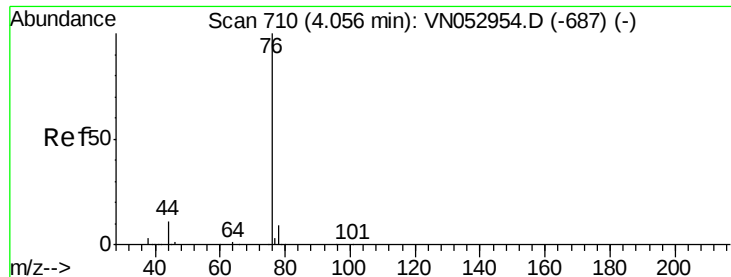
58 33.3 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.099 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

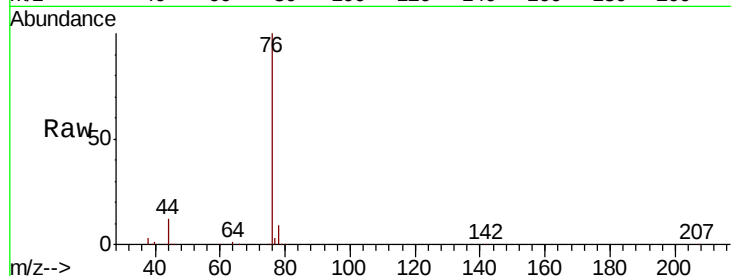
VN1224MBSD01

Tot Ion: 76 Resp: 497236

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN053176.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN053176.D (-617) (-)

4.06

200000

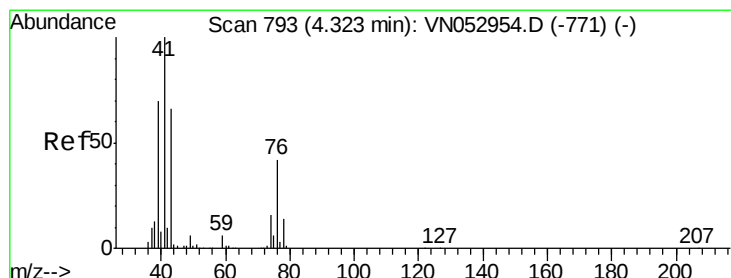
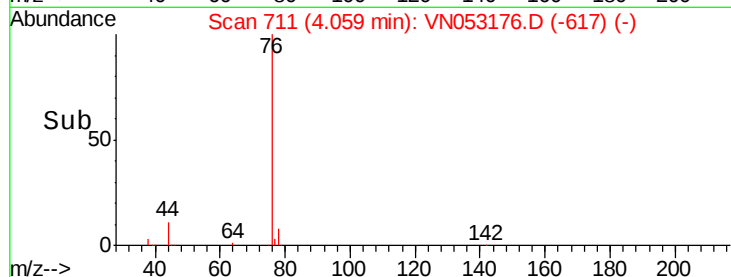
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 23.825 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053176.D

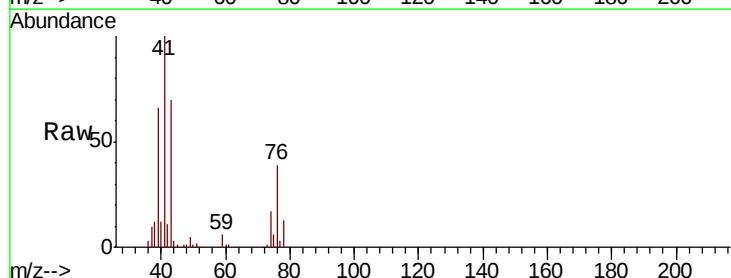
Acq: 24 Dec 2018 11:14

Tgt Ion: 43 Resp: 196810

Ion Ratio Lower Upper

43 100

74 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN053176.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN053176.D (-700) (-)

4.32

80000

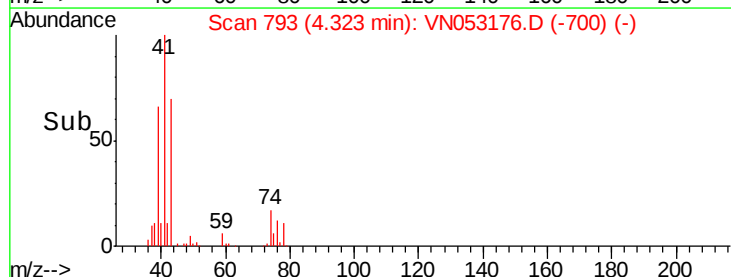
60000

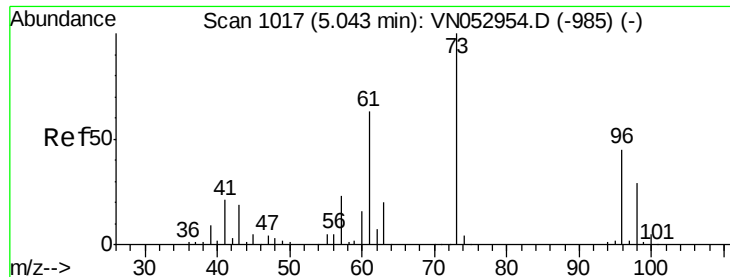
40000

20000

0

Time-->

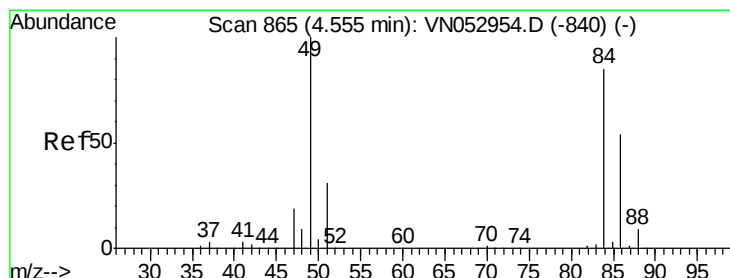
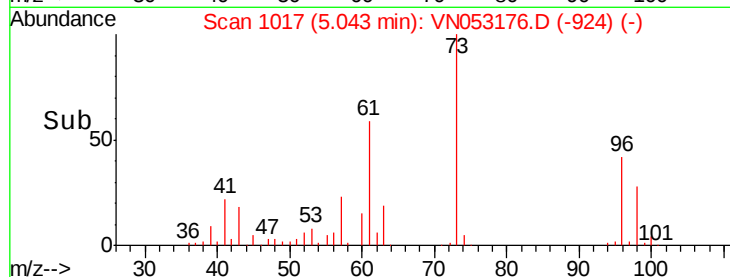
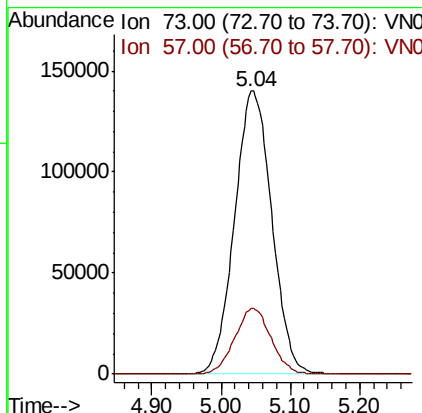
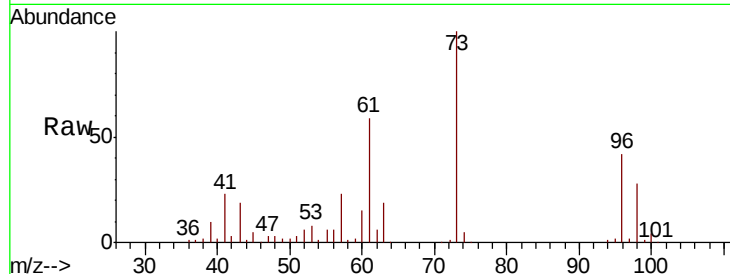




#19
Methyl tert-butyl Ether
Concen: 21.965 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

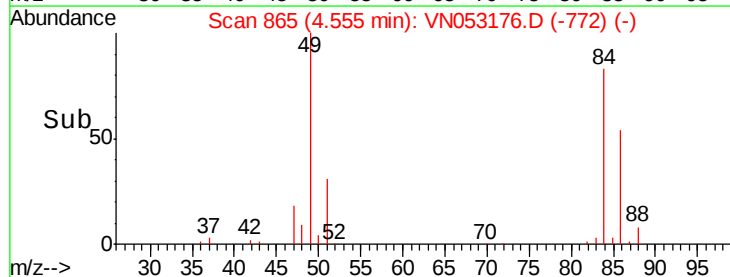
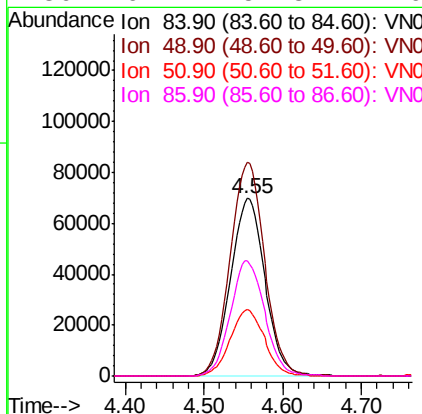
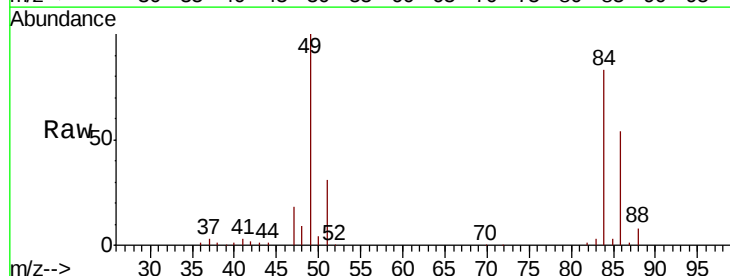
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

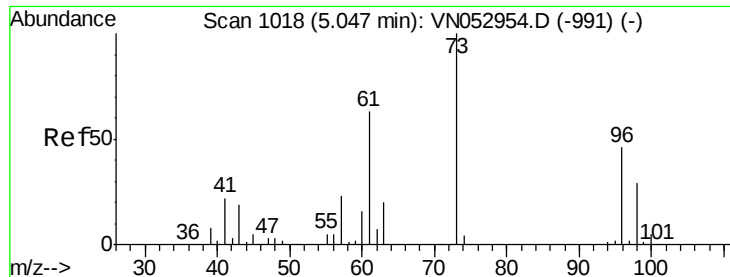
Tot Ion: 73 Resp: 524133
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 21.009 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion: 84 Resp: 213328
Ion Ratio Lower Upper
84 100
49 120.4 96.8 145.2
51 37.6 29.9 44.9
86 64.7 51.8 77.6

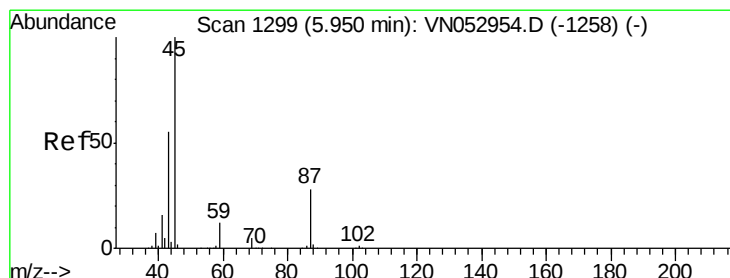
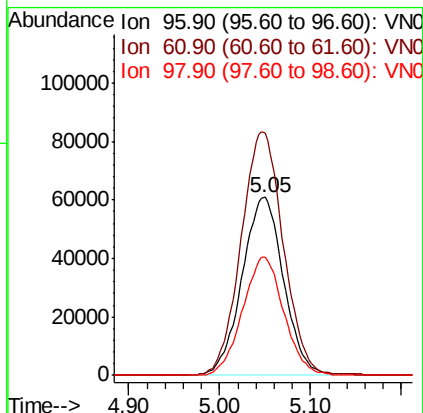
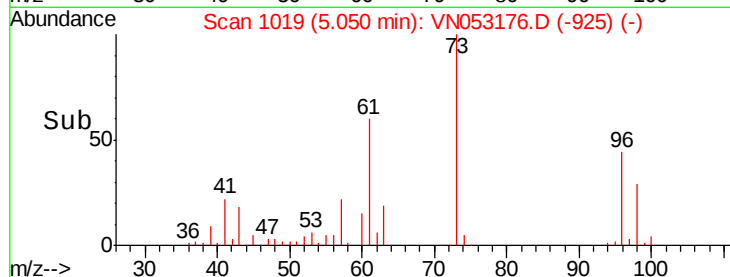
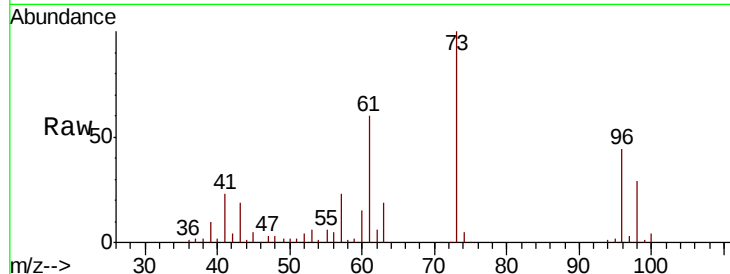




#21
trans-1,2-Dichloroethene
Concen: 20.181 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

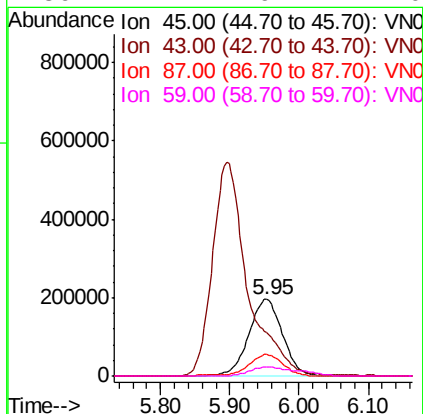
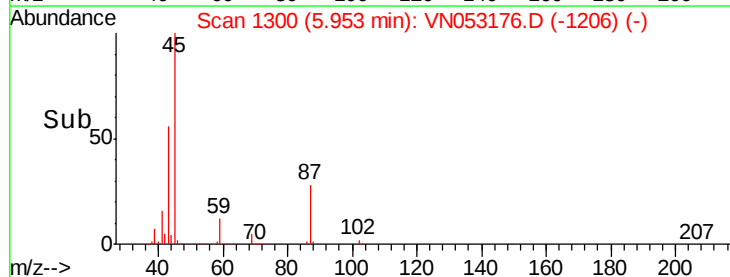
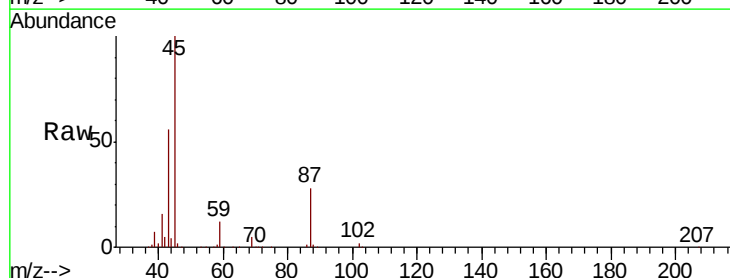
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion: 96 Resp: 193339
Ion Ratio Lower Upper
96 100
61 135.8 110.8 166.2
98 66.3 51.4 77.2



#22
Diisopropyl ether
Concen: 22.423 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion: 45 Resp: 661079
Ion Ratio Lower Upper
45 100
43 55.2 45.5 68.3
87 27.9 22.0 33.0
59 12.2 9.4 14.0

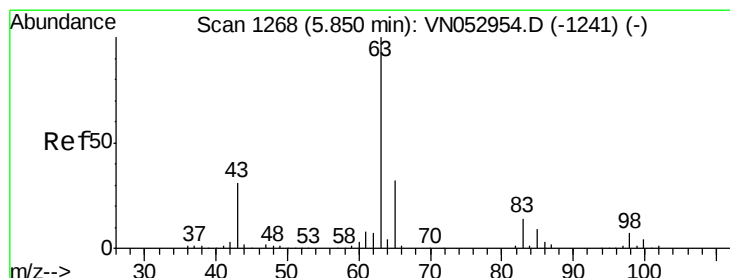
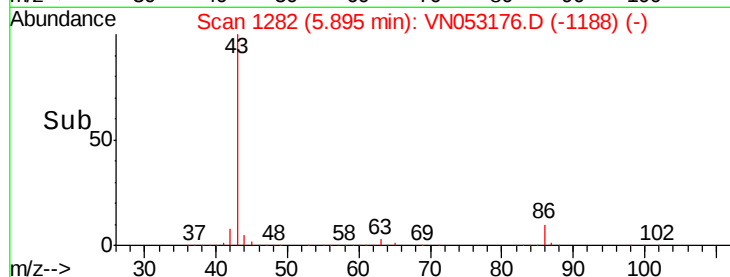
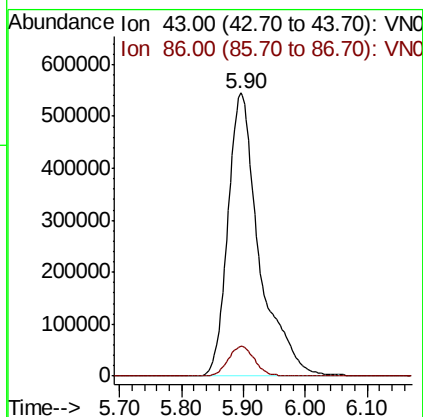
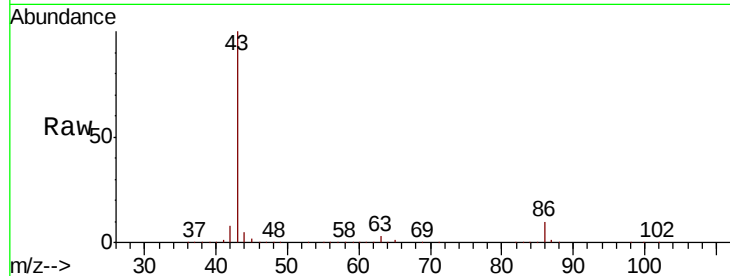




#23
 Vinyl Acetate
 Concen: 113.359 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

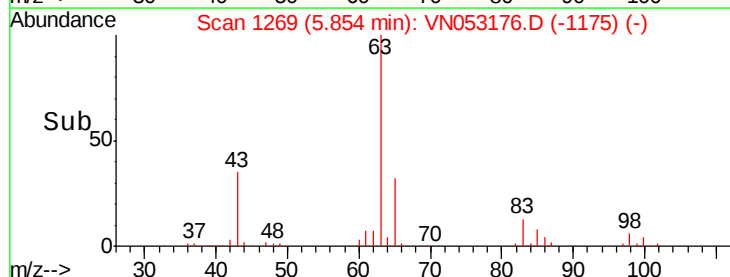
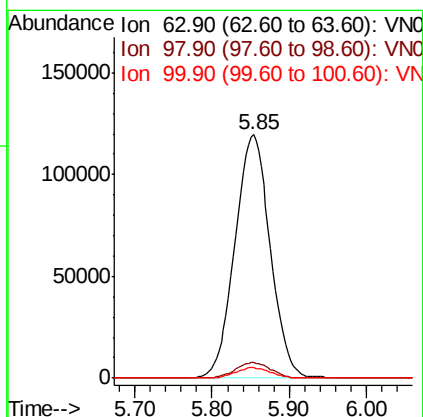
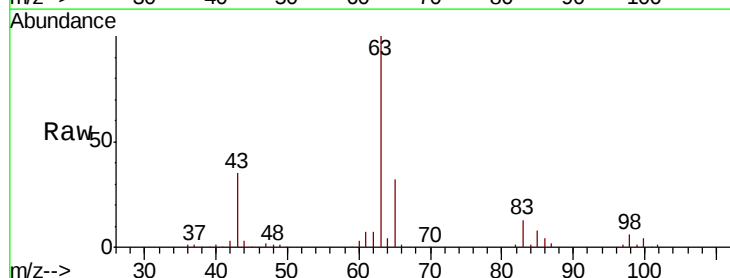
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

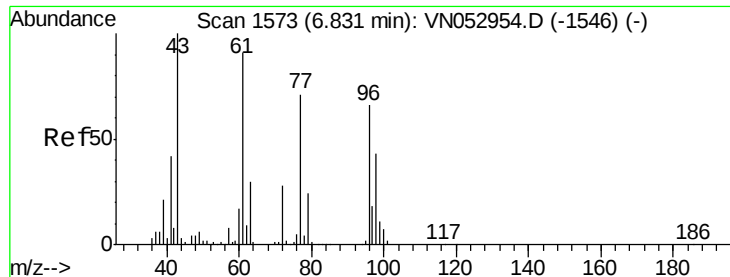
Tot Ion: 43 Resp: 1921773
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 21.651 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion: 63 Resp: 379298
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.1 9.4
 100 4.3 2.0 5.8





#25

2-Butanone

Concen: 118.202 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

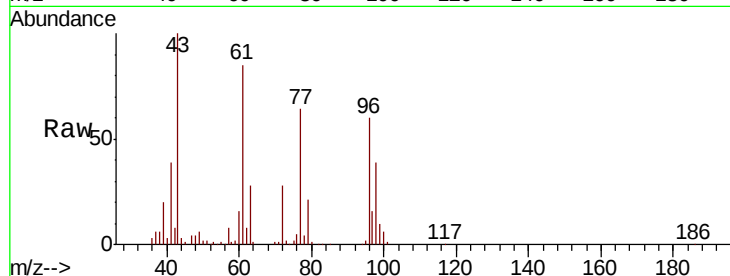
VN1224MBSD01

Tot Ion: 43 Resp: 369260

Ion Ratio Lower Upper

43 100

72 28.3 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

150000

100000

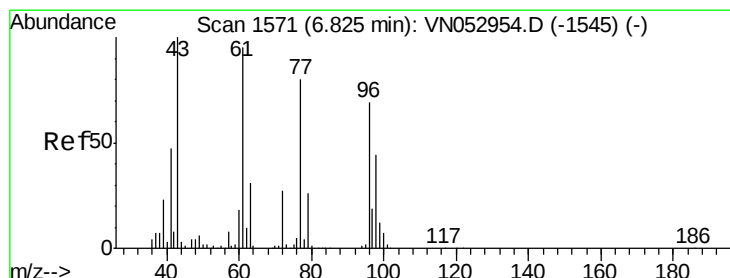
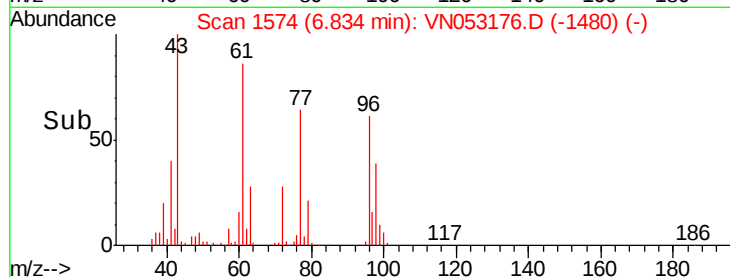
50000

0

6.70 6.80 6.90

6.83

Time-->



#26

2,2-Dichloropropane

Concen: 20.647 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053176.D

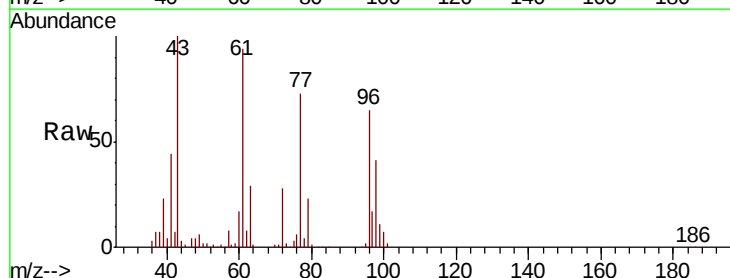
Acq: 24 Dec 2018 11:14

Tgt Ion: 77 Resp: 276114

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

100000

80000

60000

40000

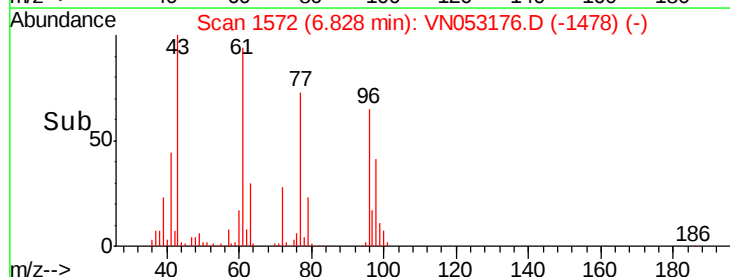
20000

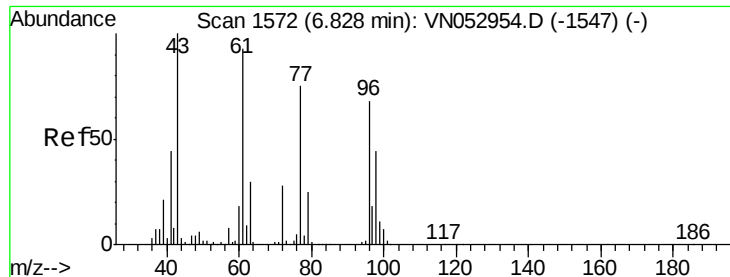
0

6.70 6.80 6.90

6.83

Time-->





#27

cis-1,2-Dichloroethene

Concen: 21.050 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

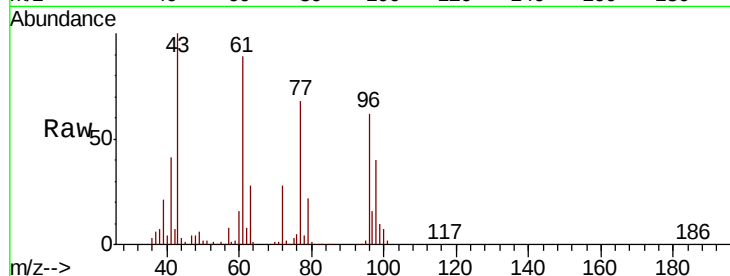
Tot Ion: 96 Resp: 228311

Ion Ratio Lower Upper

96 100

61 144.1 0.0 284.2

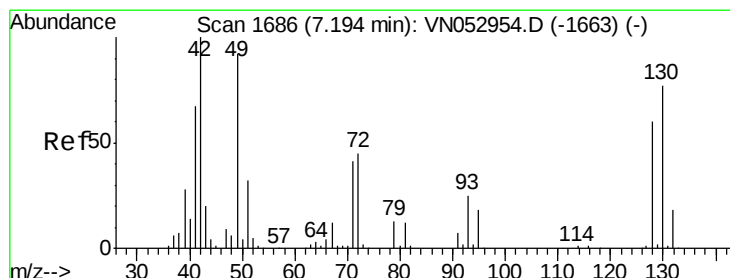
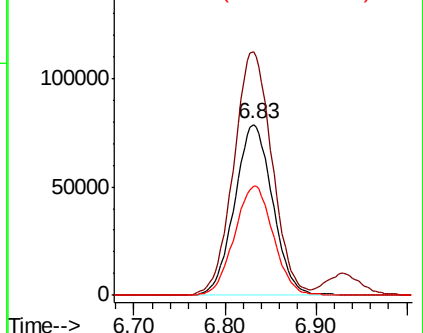
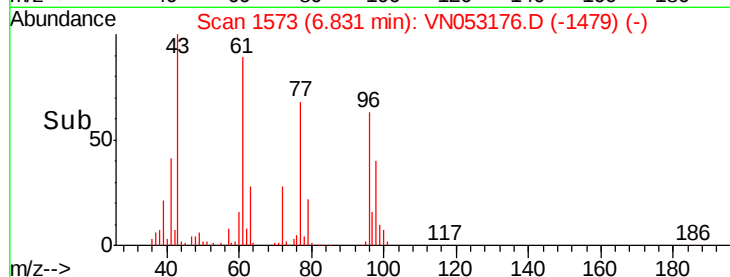
98 65.5 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053176.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053176.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053176.D (-1479) (-)



#28

Bromochloromethane

Concen: 22.279 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

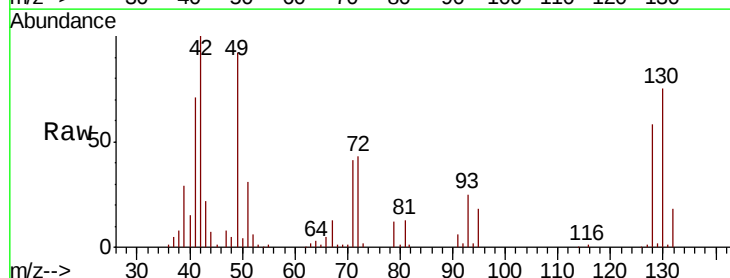
Tgt Ion: 49 Resp: 169128

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

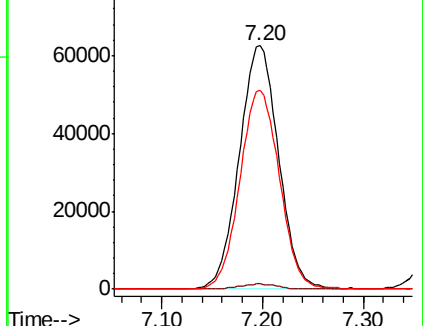
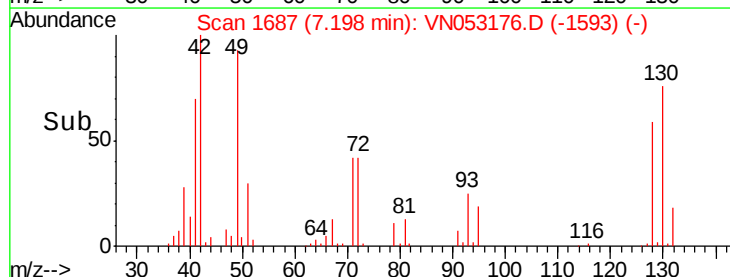
130 82.0 63.3 94.9

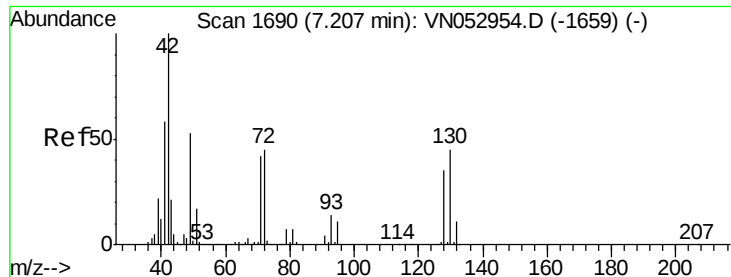


Abundance Ion 48.90 (48.60 to 49.60): VN053176.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053176.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053176.D (-1593) (-)

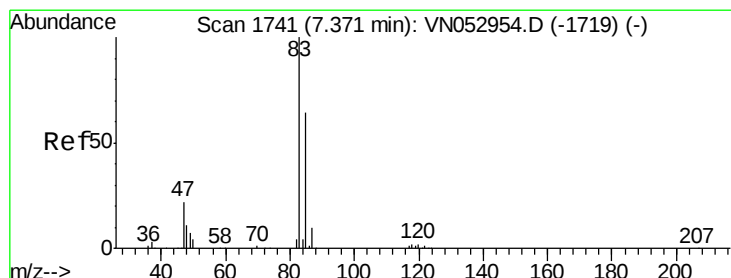
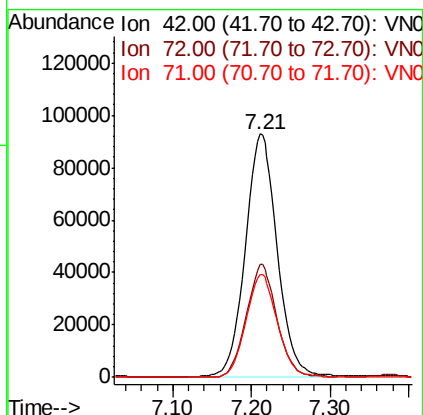
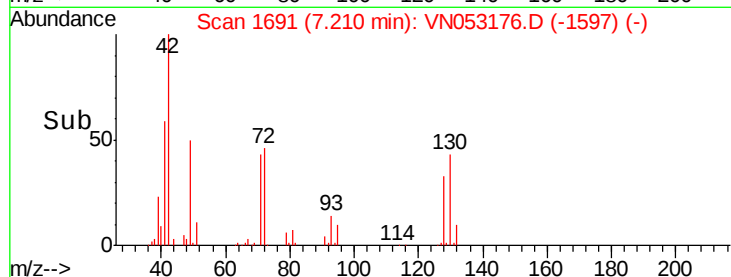
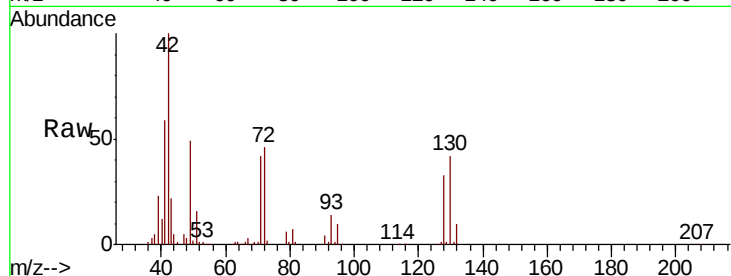




#29
Tetrahydrofuran
Concen: 114.478 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

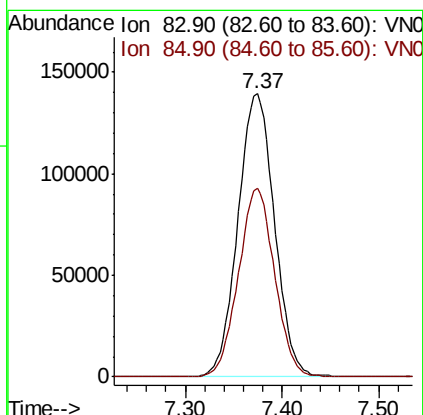
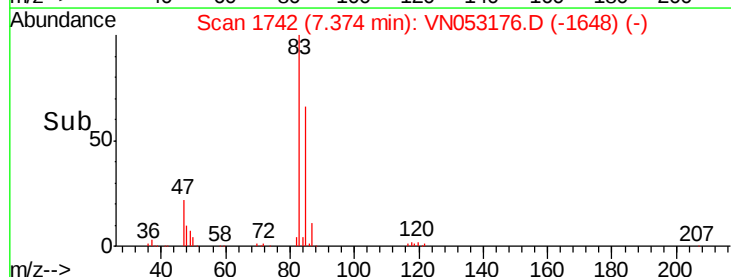
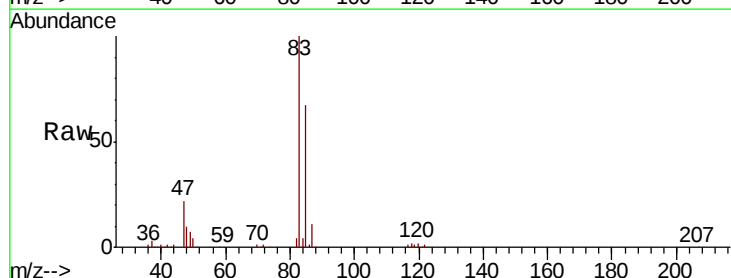
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion: 42 Resp: 267101
Ion Ratio Lower Upper
42 100
72 44.1 34.7 52.1
71 41.7 32.3 48.5



#30
Chloroform
Concen: 21.280 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion: 83 Resp: 366224
Ion Ratio Lower Upper
83 100
85 66.5 52.1 78.1





#31

Cyclohexane

Concen: 20.603 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

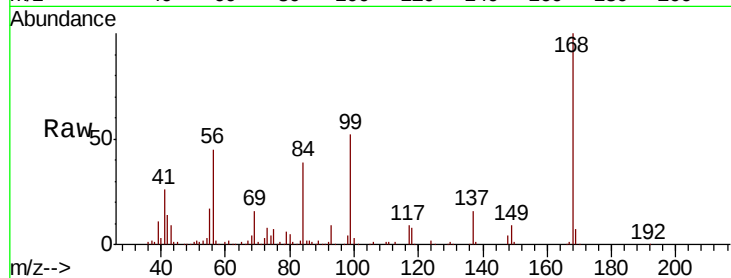
Tot Ion: 56 Resp: 348666

Ion Ratio Lower Upper

56 100

69 35.7 26.6 39.8

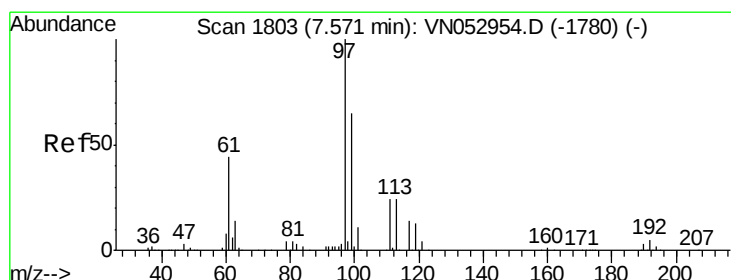
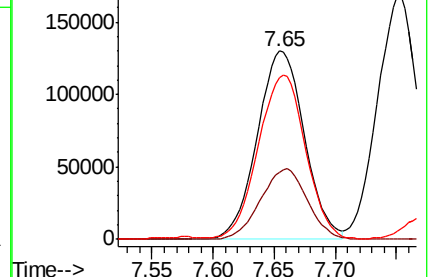
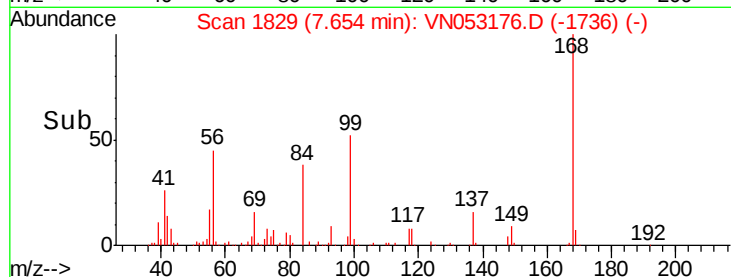
84 84.5 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053176.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053176.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053176.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 20.706 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

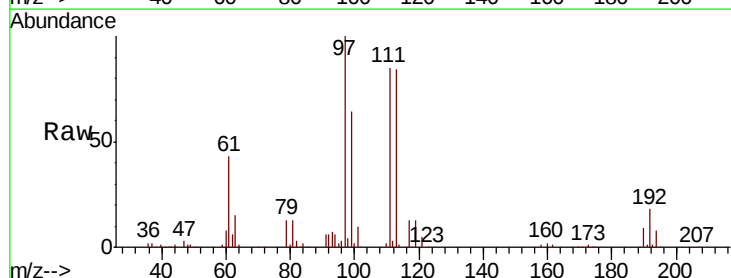
Tgt Ion: 97 Resp: 303554

Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

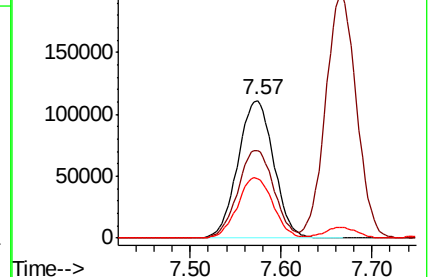
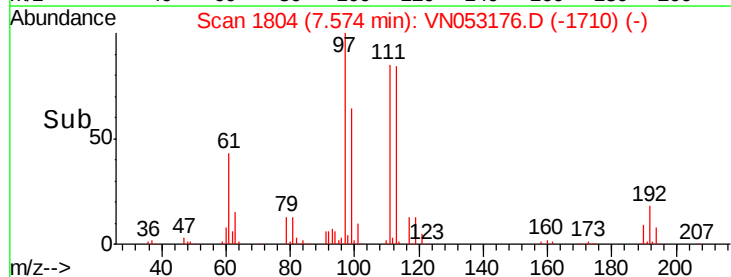
61 43.6 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN053176.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053176.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053176.D (-1710) (-)

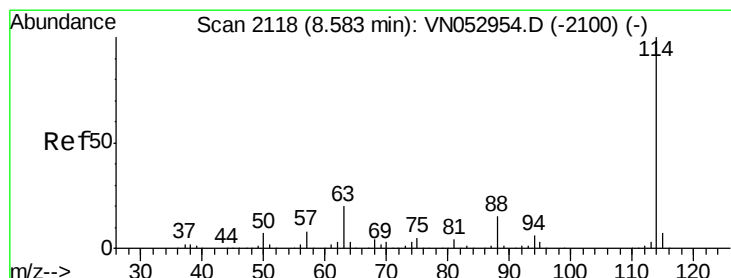
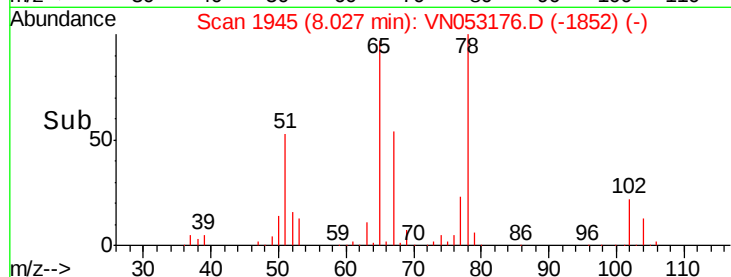
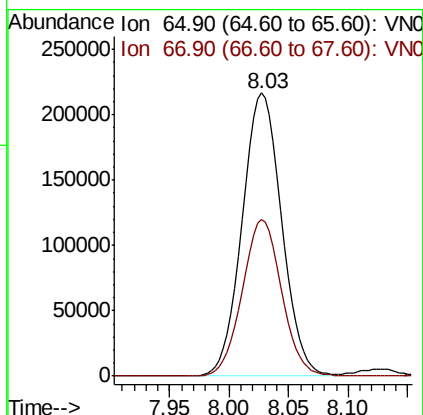
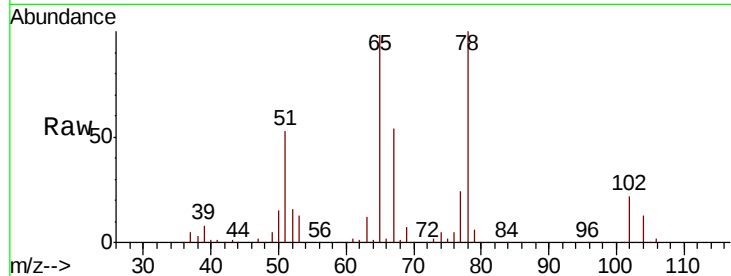




#33
 1,2-Dichloroethane-d4
 Concen: 20.706 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

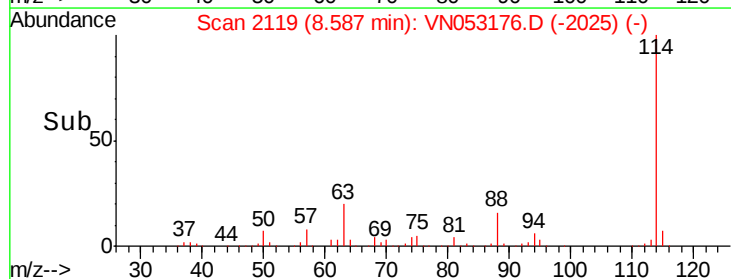
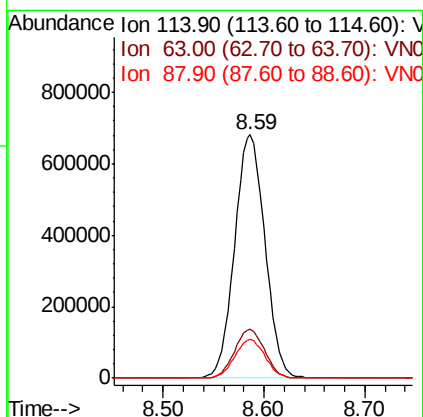
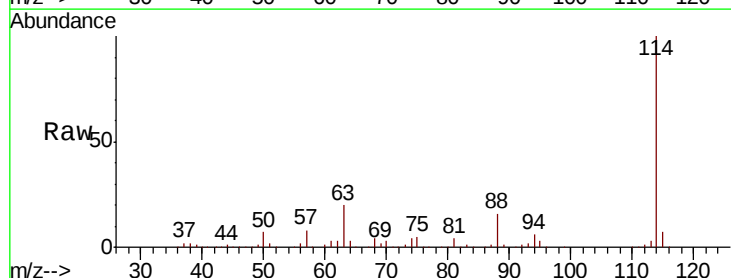
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

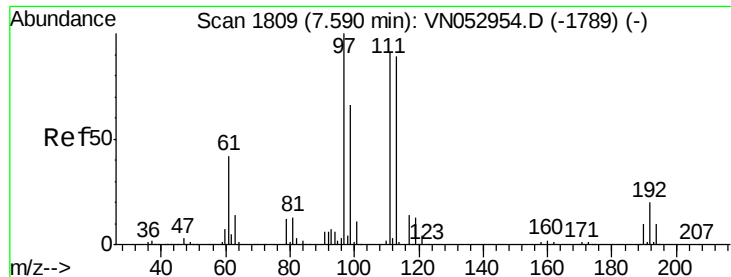
Tot Ion: 65 Resp: 499482
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion: 114 Resp: 1420749
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.9 0.0 31.0

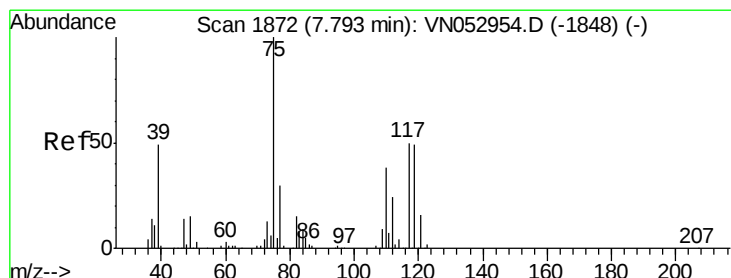
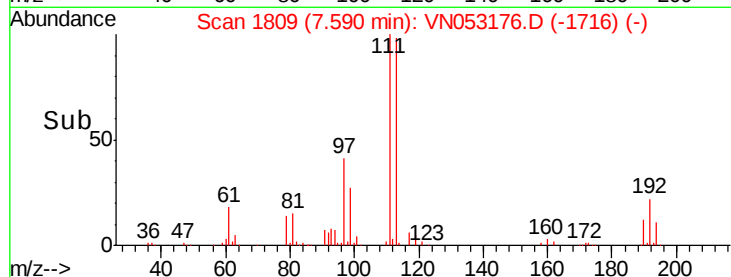
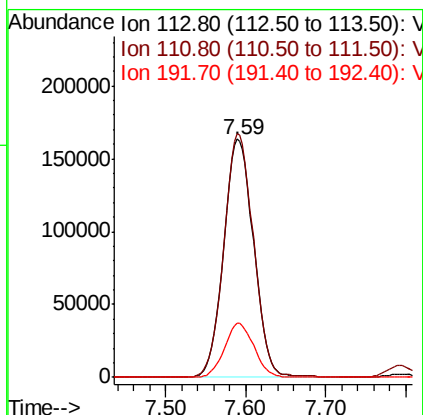
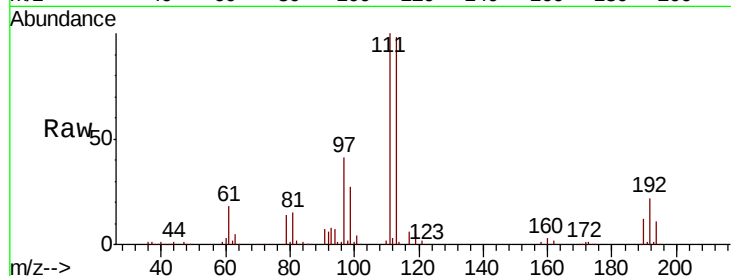




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

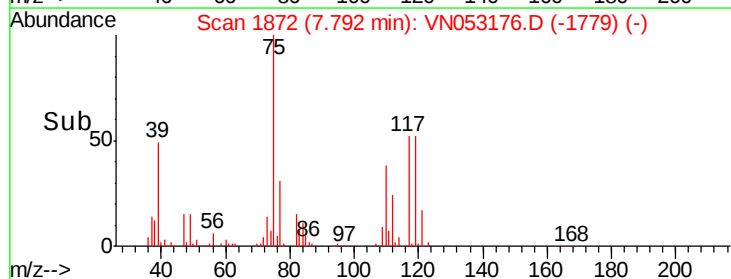
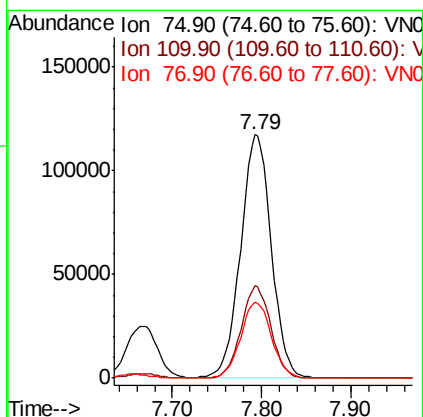
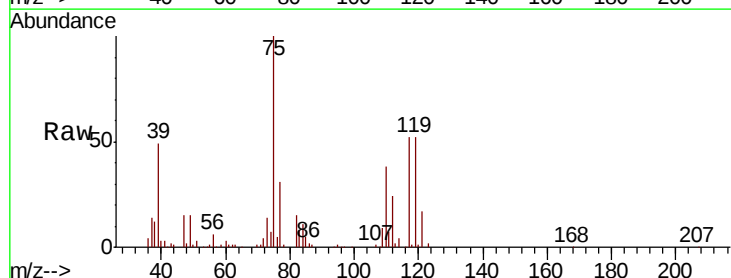
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

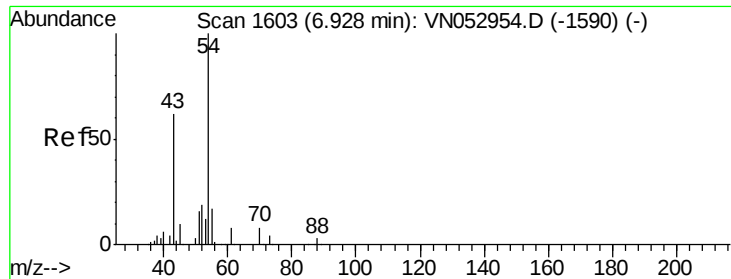
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	83.0	124.4
192	22.3	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 20.519 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.2	54.6
77	31.7	24.9	37.3

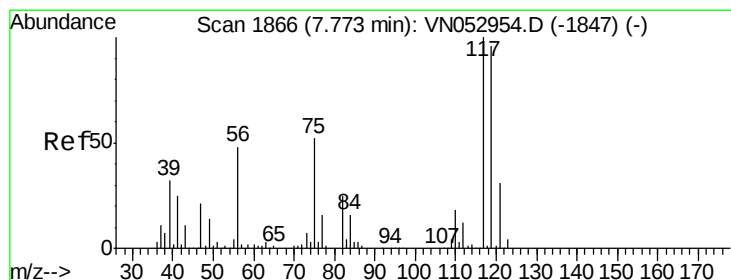
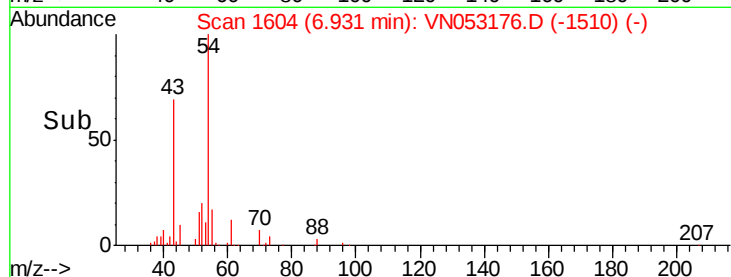
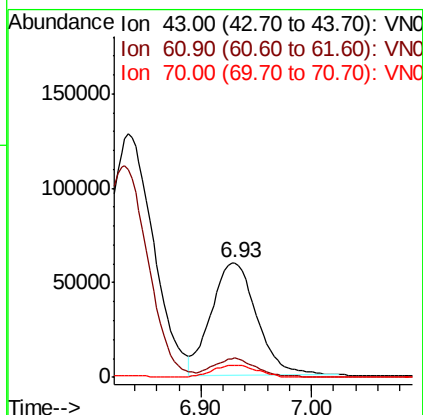
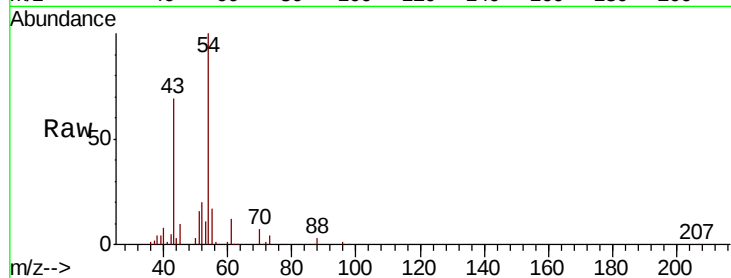




#37
Ethyl Acetate
Concen: 22.610 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

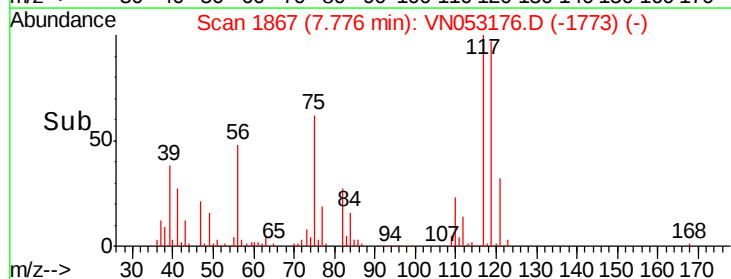
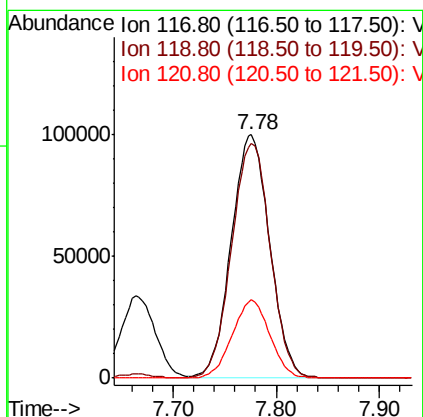
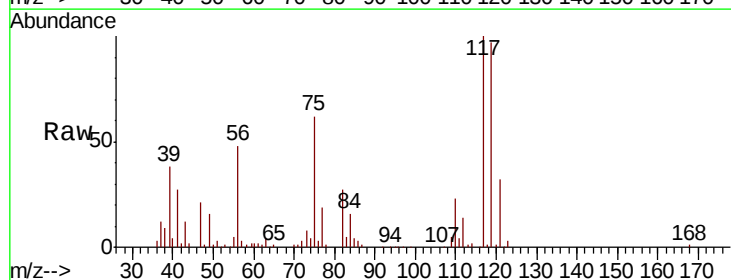
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion: 43 Resp: 172121
Ion Ratio Lower Upper
43 100
61 15.6 11.8 17.6
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.646 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion: 117 Resp: 258057
Ion Ratio Lower Upper
117 100
119 96.4 77.1 115.7
121 32.3 24.9 37.3

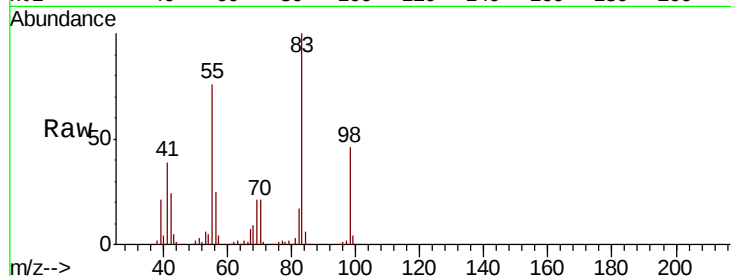




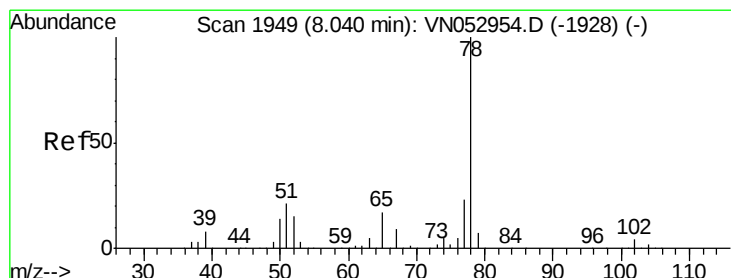
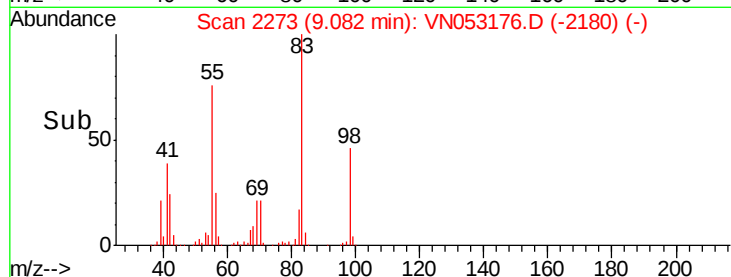
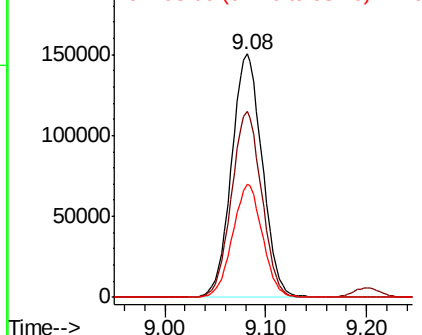
#39
Methvlcvclohexane
Concen: 19.190 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion: 83 Resp: 317897
Ion Ratio Lower Upper
83 100
55 76.1 61.3 91.9
98 46.2 37.0 55.4

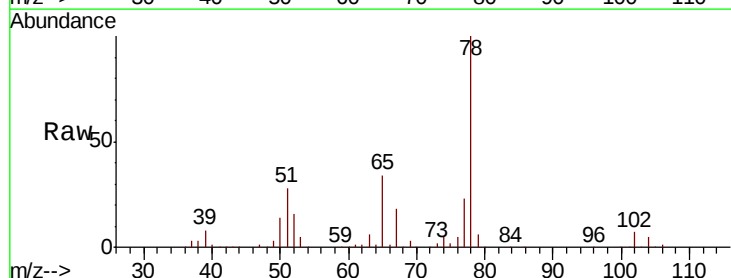


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

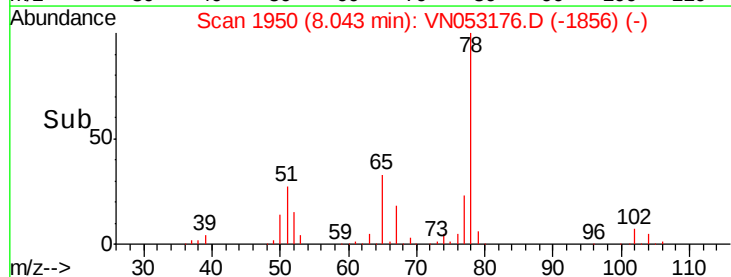
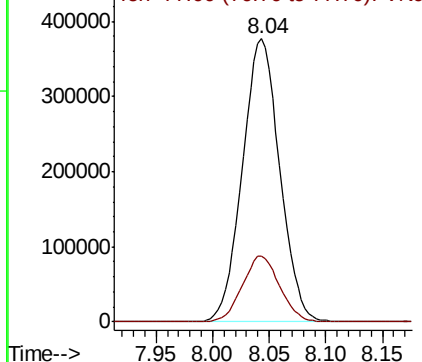


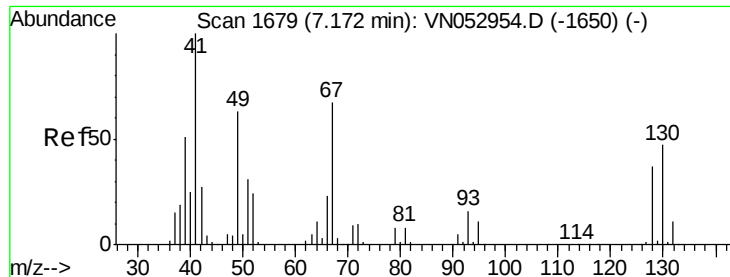
#40
Benzene
Concen: 21.367 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion: 78 Resp: 866689
Ion Ratio Lower Upper
78 100
77 23.2 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

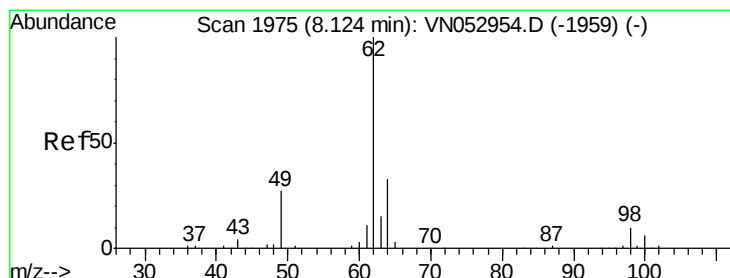
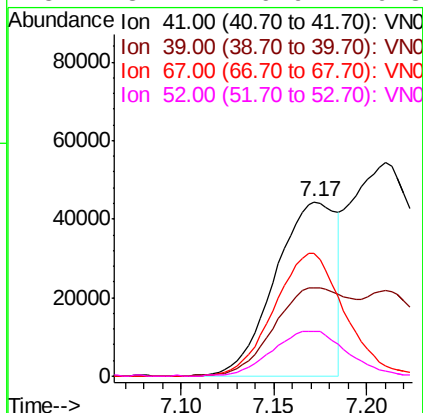
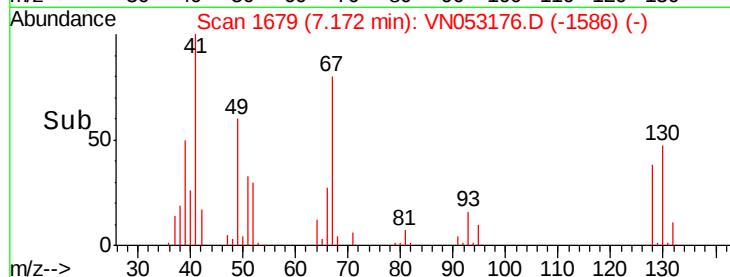
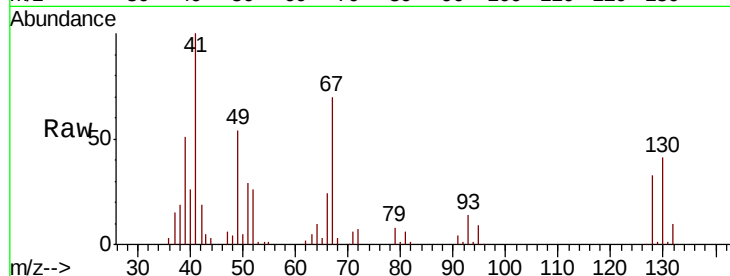




#41
Methacrylonitrile
Concen: 23.208 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

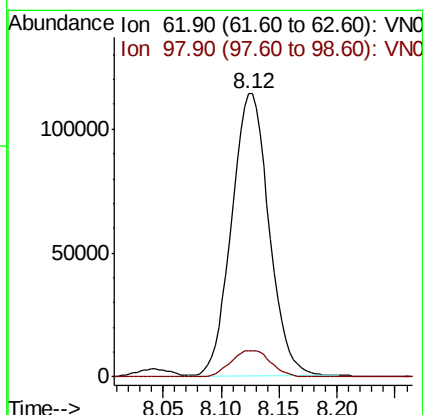
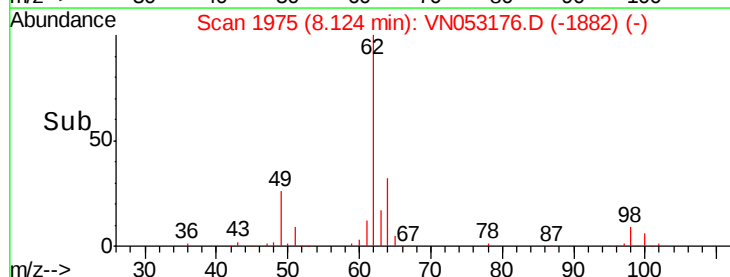
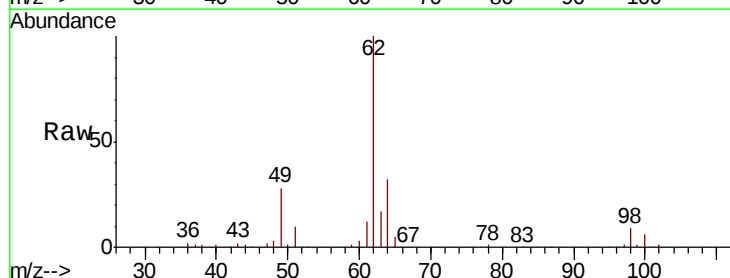
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

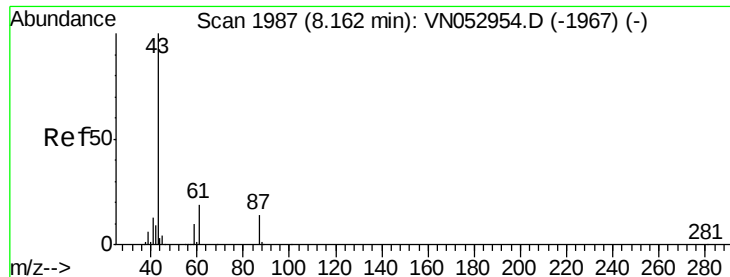
Tot Ion:	41	Resp:	102081
Ion	Ratio	Lower	Upper
41	100		
39	62.6	48.0	72.0
67	81.5	70.3	105.5
52	32.2	26.9	40.3



#42
1,2-Dichloroethane
Concen: 21.283 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion:	62	Resp:	255026
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.0





#43

Isopropyl Acetate

Concen: 21.069 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

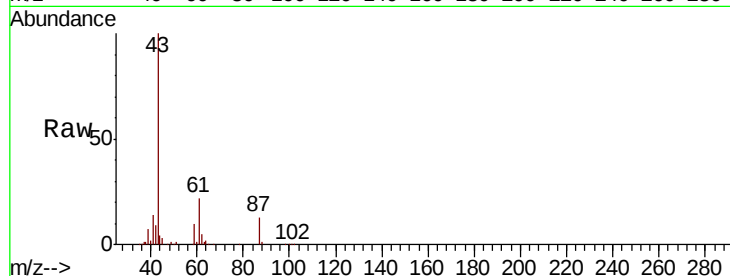
Tot Ion: 43 Resp: 319286

Ion Ratio Lower Upper

43 100

61 29.9 22.9 34.3

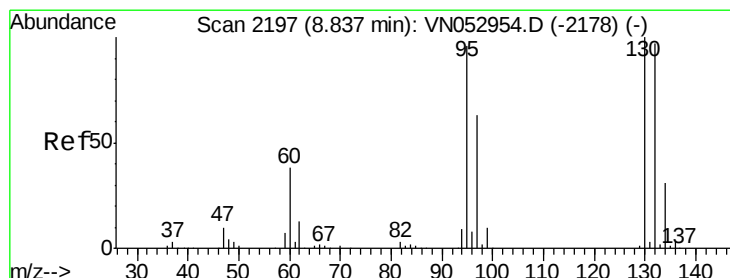
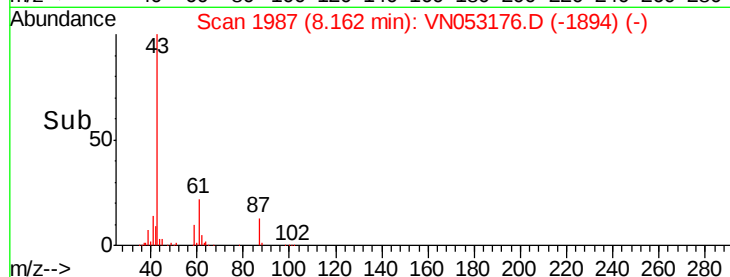
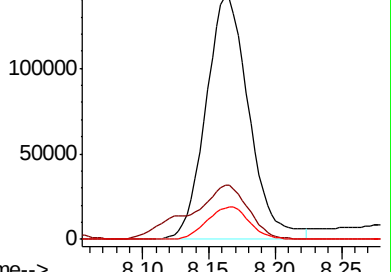
87 13.4 10.6 15.8



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) (-)



#44

Trichloroethene

Concen: 19.983 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053176.D

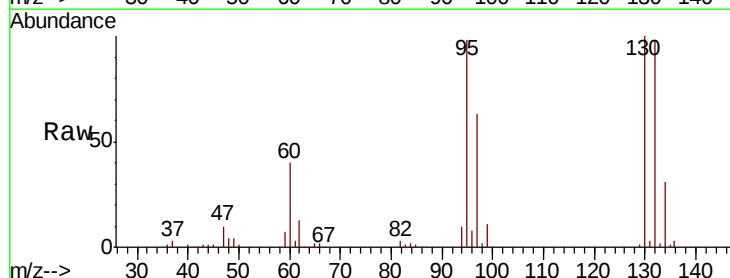
Acq: 24 Dec 2018 11:14

Tgt Ion: 130 Resp: 234441

Ion Ratio Lower Upper

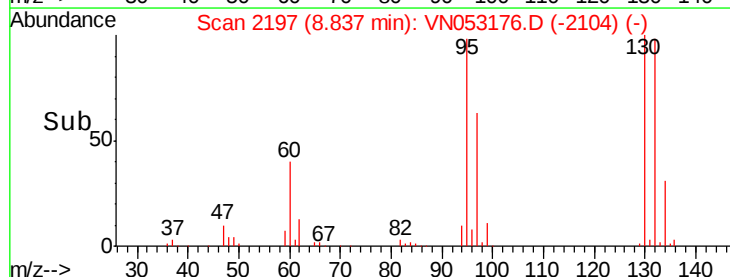
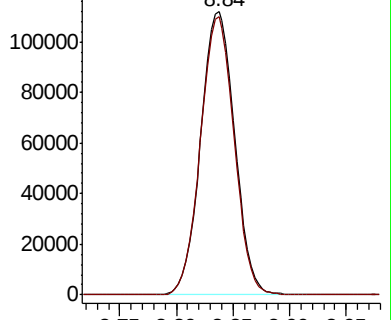
130 100

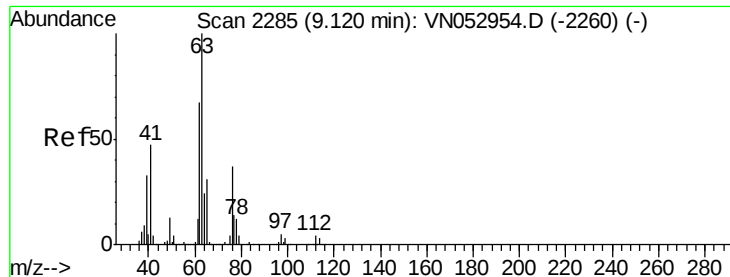
95 98.3 0.0 197.8



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

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

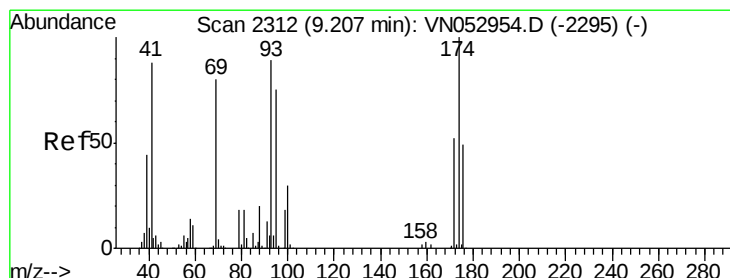
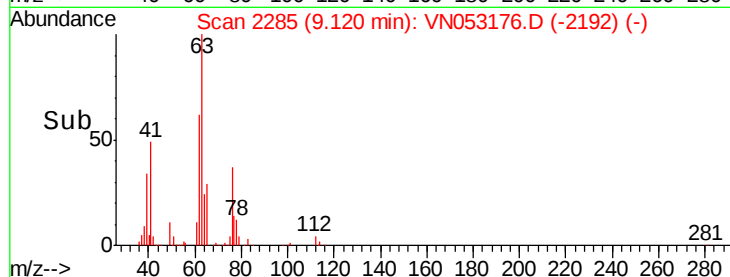
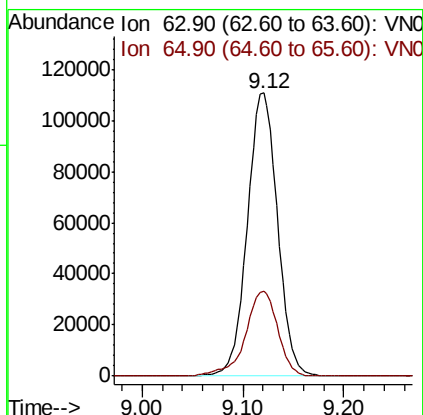
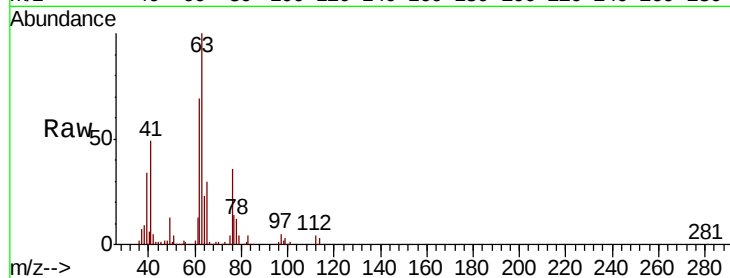




#45
 1,2-Dichloropropane
 Concen: 21.634 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

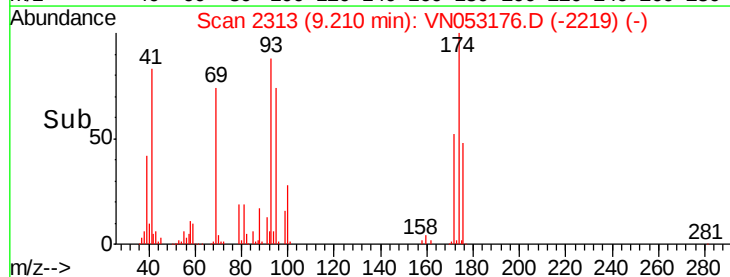
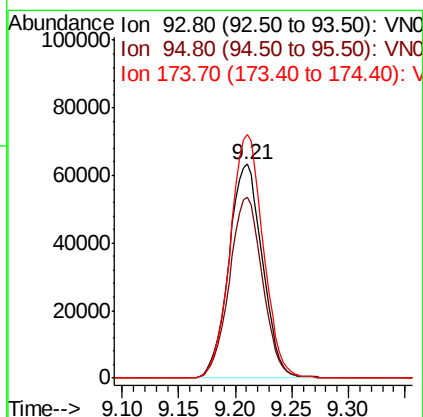
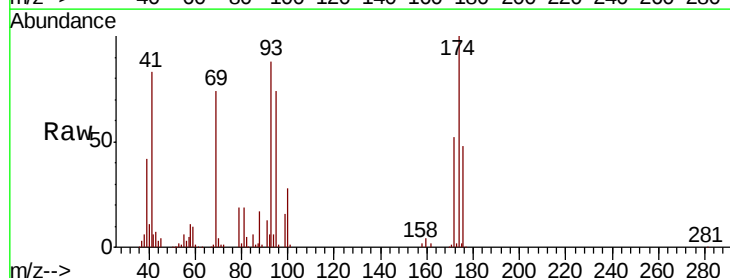
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

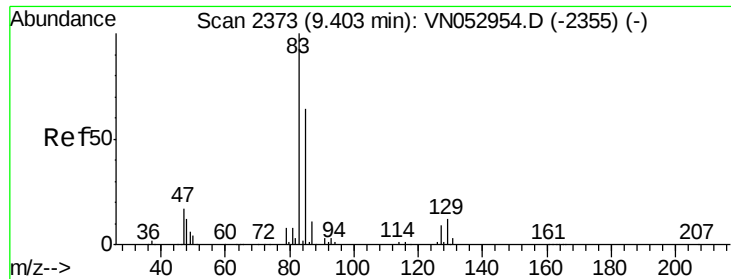
Tot Ion: 63 Resp: 228570
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 37.0



#46
 Dibromomethane
 Concen: 21.320 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion: 93 Resp: 131221
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.8 101.6
 174 112.1 89.0 133.4





#47

Bromodichloromethane

Concen: 21.201 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

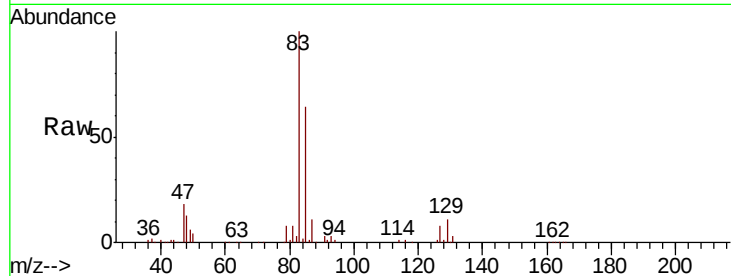
Tot Ion: 83 Resp: 277367

Ion Ratio Lower Upper

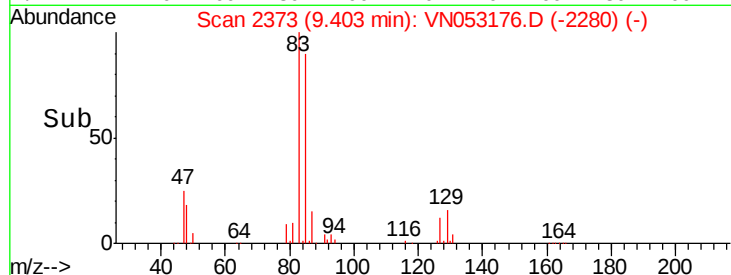
83 100

85 63.5 51.6 77.4

127 8.4 7.1 10.7

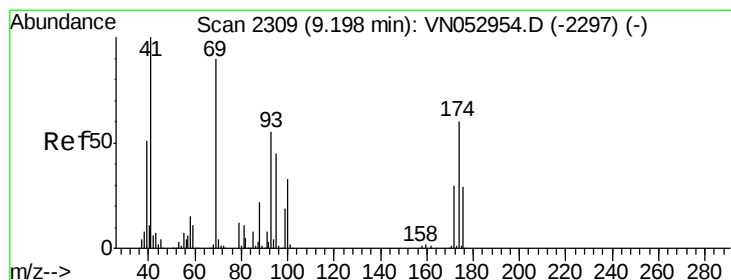
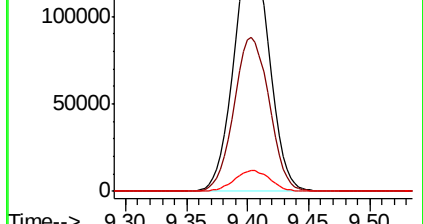


Abundance Ion 82.90 (82.60 to 83.60): VN053176.D (-2280) (-)



Ion 84.90 (84.60 to 85.60): VN053176.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053176.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.707 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

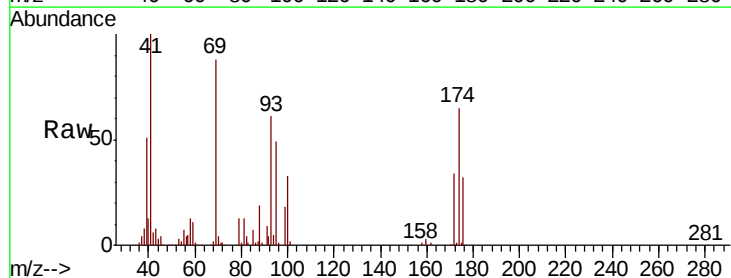
Tgt Ion: 41 Resp: 160353

Ion Ratio Lower Upper

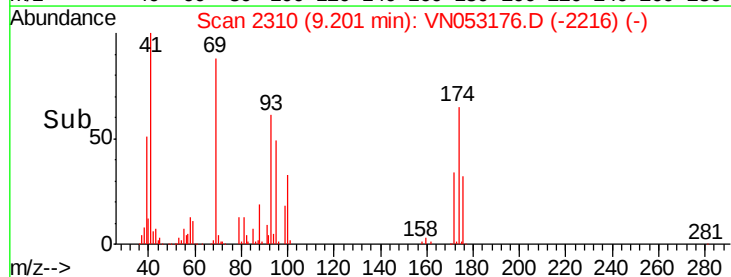
41 100

69 92.0 72.2 108.2

39 51.8 41.9 62.9

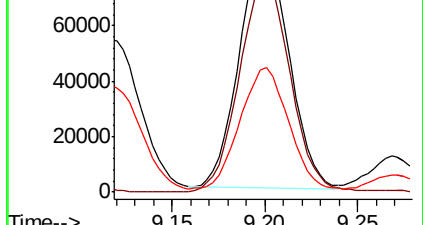


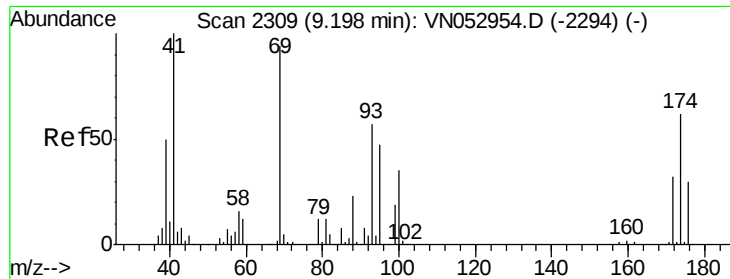
Abundance Ion 41.00 (40.70 to 41.70): VN053176.D (-2216) (-)



Ion 69.00 (68.70 to 69.70): VN053176.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053176.D (-2216) (-)

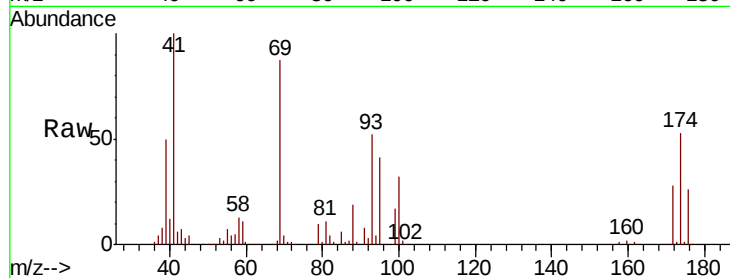




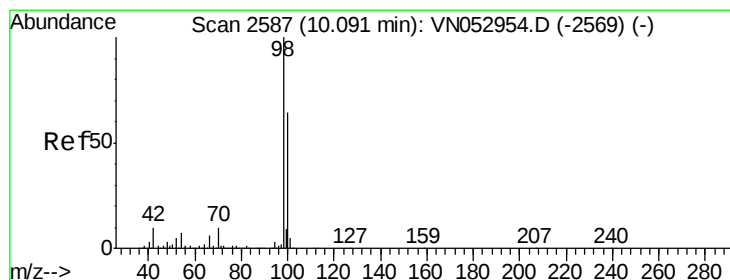
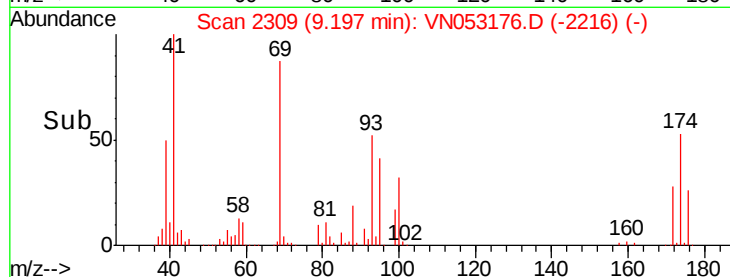
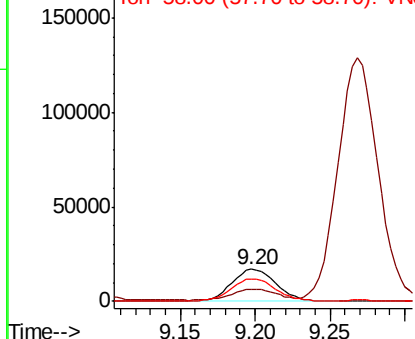
#49
1,4-Dioxane
Concen: 379.051 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion: 88 Resp: 35420
Ion Ratio Lower Upper
88 100
43 34.7 26.6 40.0
58 70.8 58.4 87.6

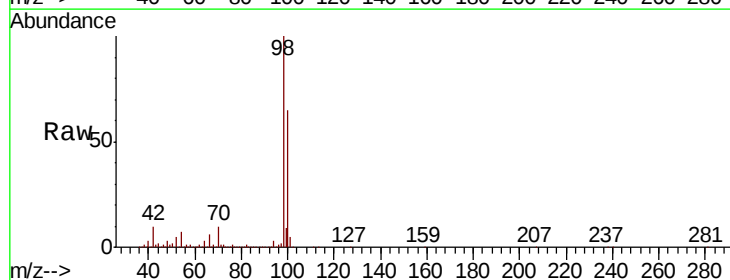


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

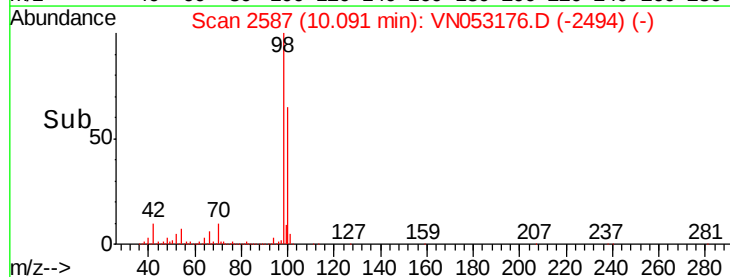
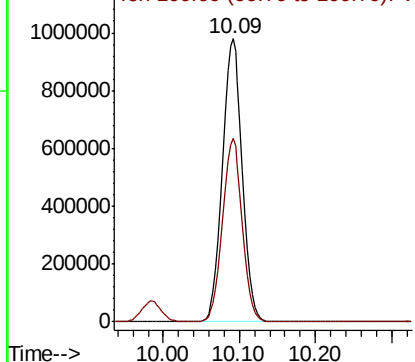


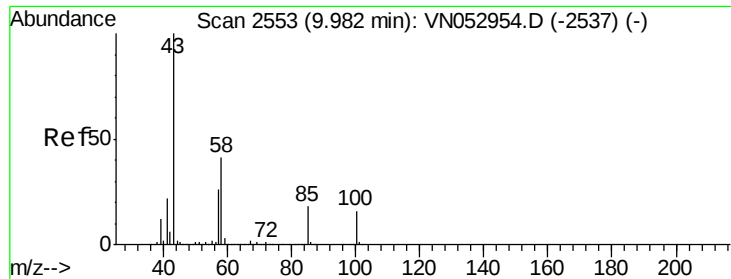
#50
Toluene-d8
Concen: 379.051 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion: 98 Resp: 1774085
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

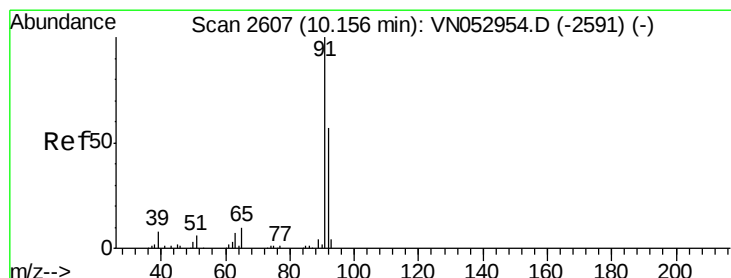
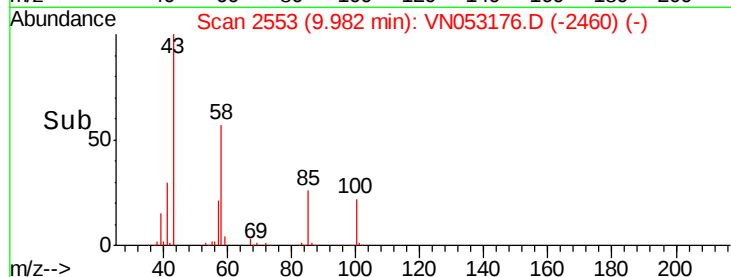
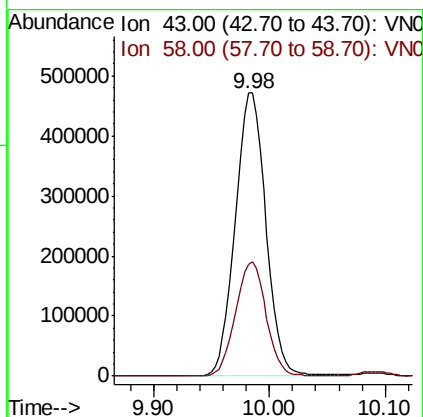
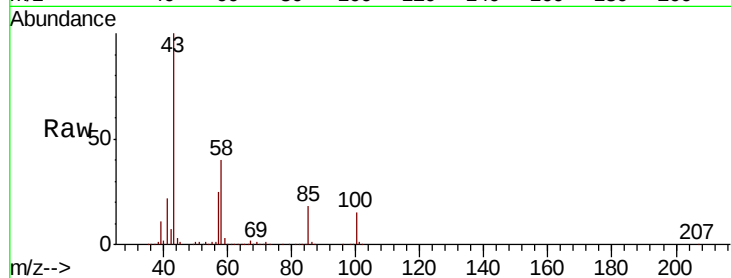




#51
 4-Methyl-2-Pentanone
 Concen: 116.606 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

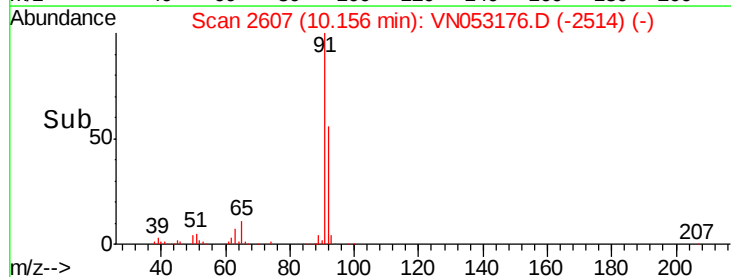
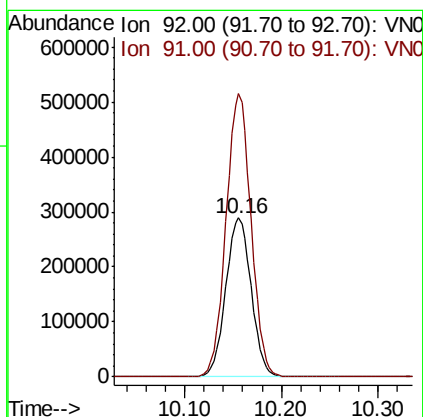
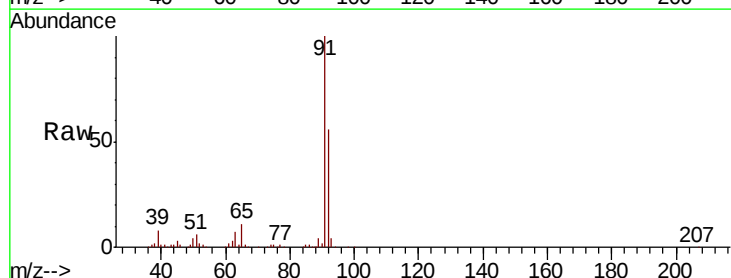
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1224MBSD01

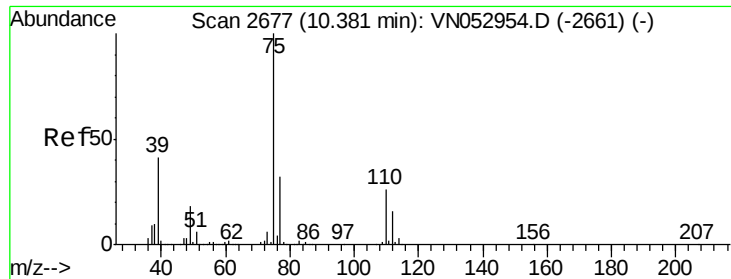
Tot Ion: 43 Resp: 859657
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.2 48.4



#52
 Toluene
 Concen: 21.000 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion: 92 Resp: 527964
 Ion Ratio Lower Upper
 92 100
 91 175.0 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 20.029 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

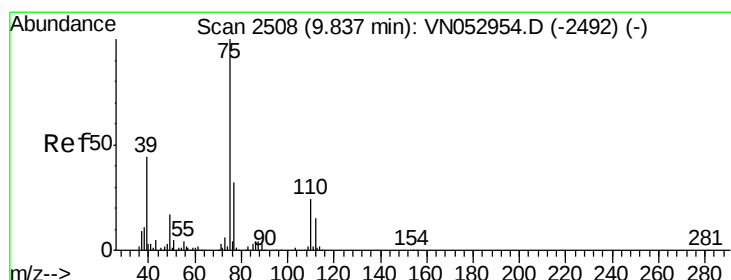
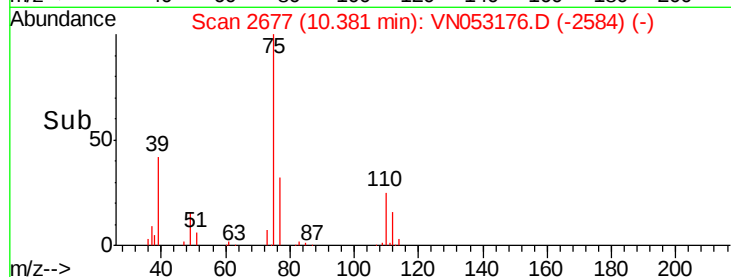
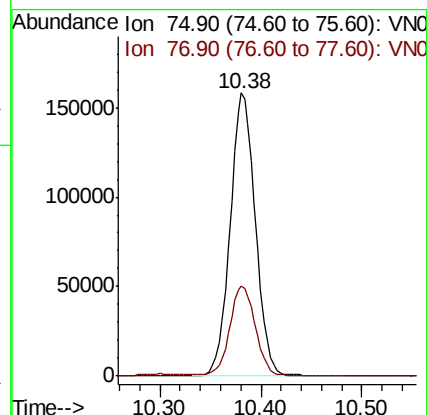
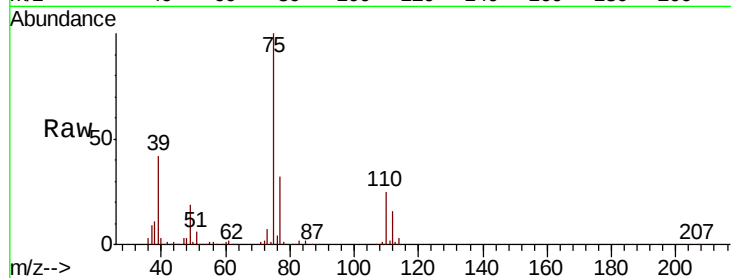
VN1224MBSD01

Tot Ion: 75 Resp: 275546

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 20.867 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

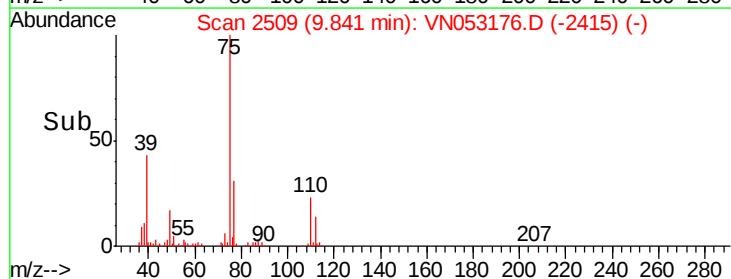
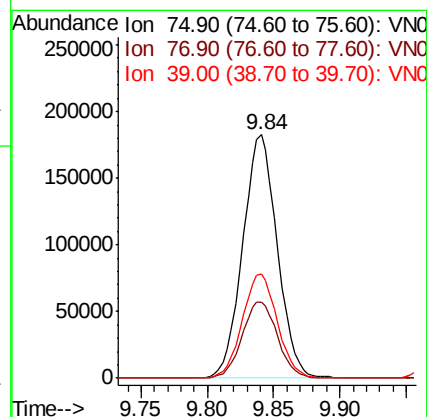
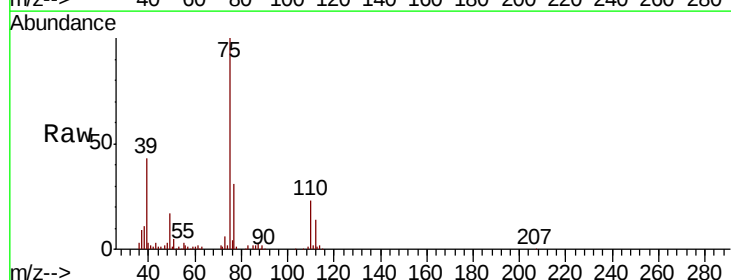
Tgt Ion: 75 Resp: 329509

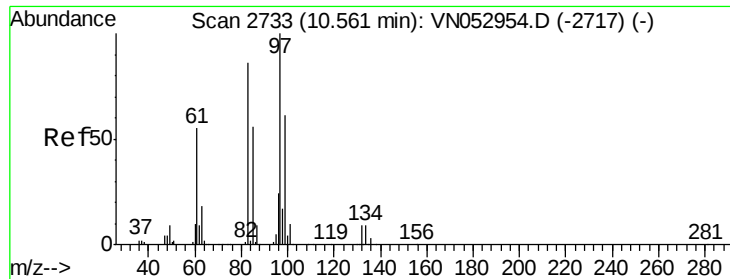
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8

39 42.9 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 21.667 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

Tot Ion: 97 Resp: 190047

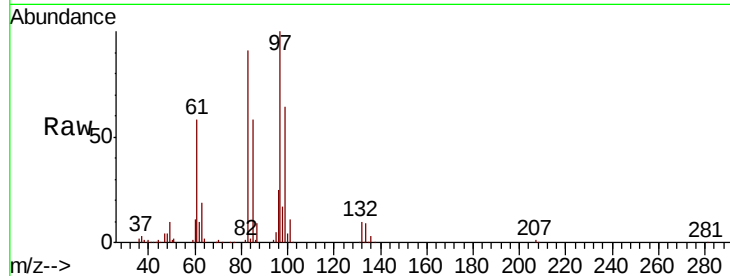
Ion Ratio Lower Upper

97 100

83 90.8 70.9 106.3

85 57.6 45.4 68.2

99 63.9 50.4 75.6

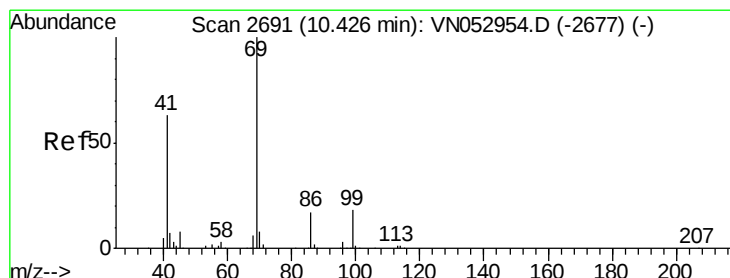
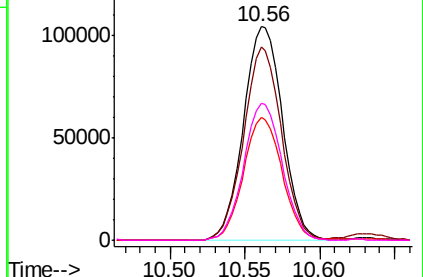
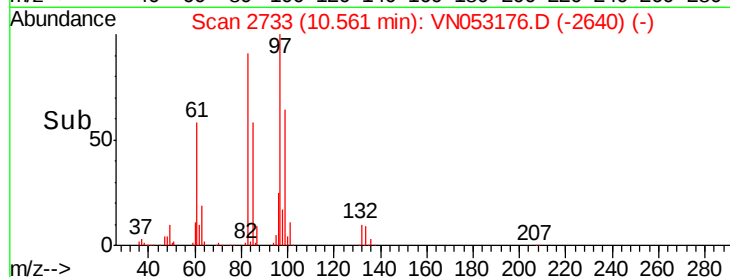


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.585 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

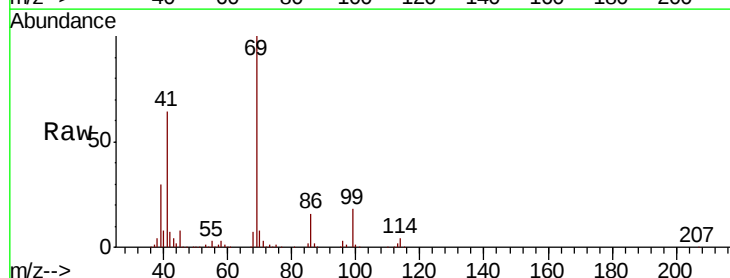
Tgt Ion: 69 Resp: 250587

Ion Ratio Lower Upper

69 100

41 62.5 51.7 77.5

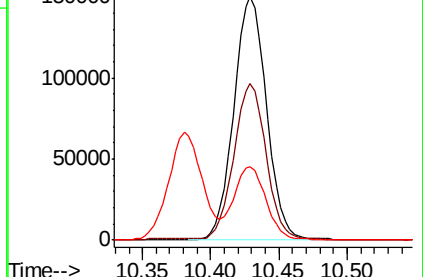
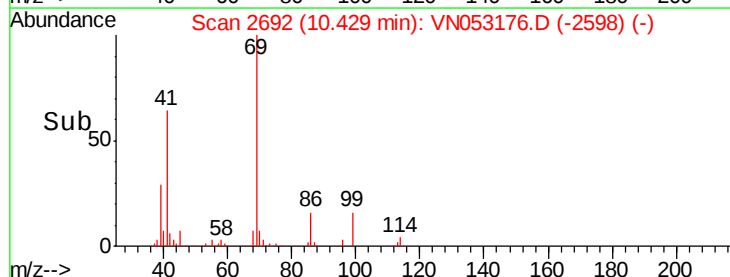
39 29.8 24.6 37.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.911 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

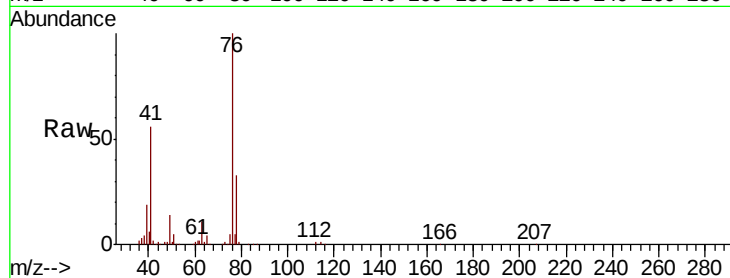
VN1224MBSD01

Tot Ion: 76 Resp: 329566

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN053176.D (-2685) (-)

Ion 77.90 (77.60 to 78.60): VN053176.D (-2685) (-)

10.71

200000

150000

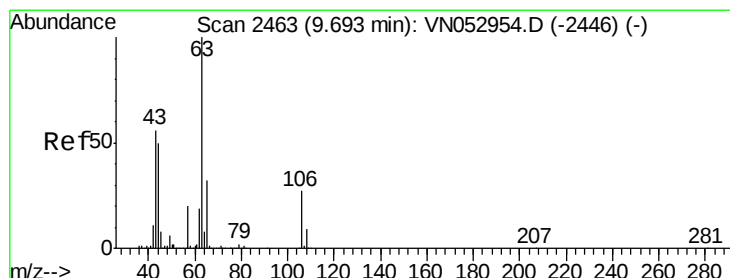
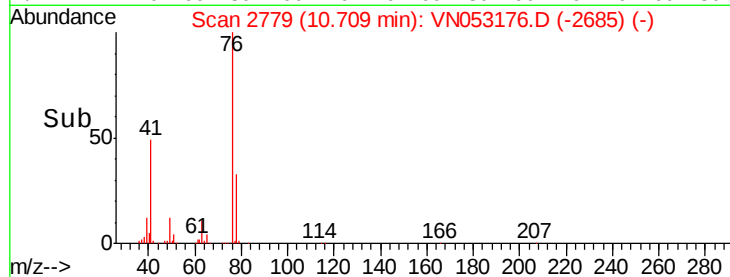
100000

50000

0

10.70 10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 110.645 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053176.D

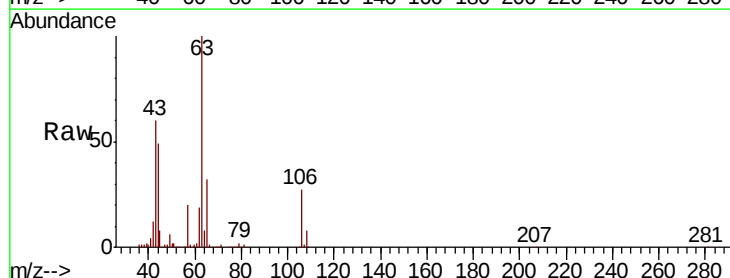
Acq: 24 Dec 2018 11:14

Tgt Ion: 63 Resp: 705199

Ion Ratio Lower Upper

63 100

106 26.7 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN053176.D (-2370) (-)

Ion 105.90 (105.60 to 106.60): VN053176.D (-2370) (-)

9.70

400000

300000

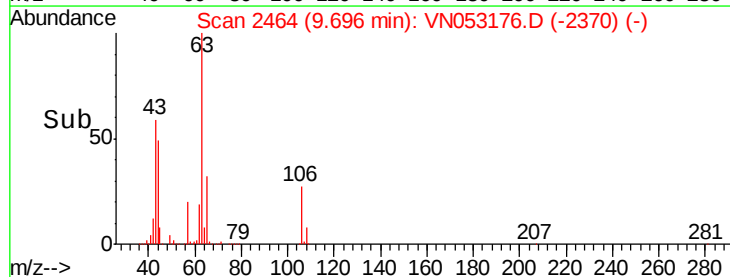
200000

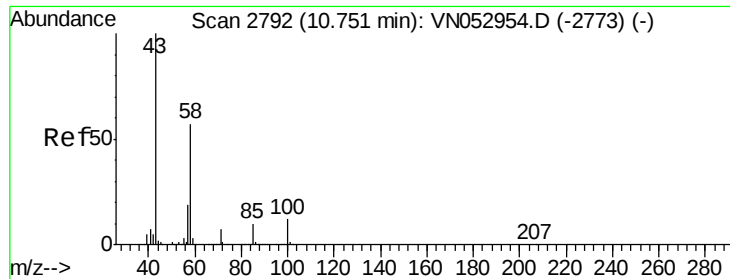
100000

0

9.60 9.65 9.70 9.75 9.80

Time-->

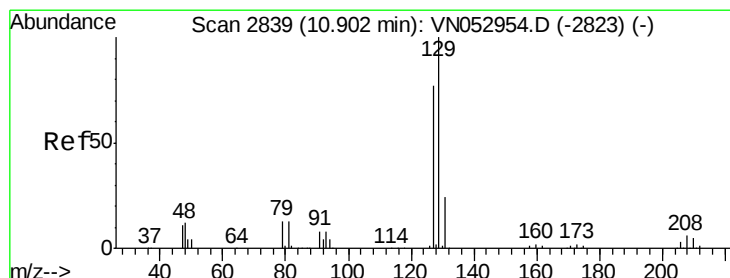
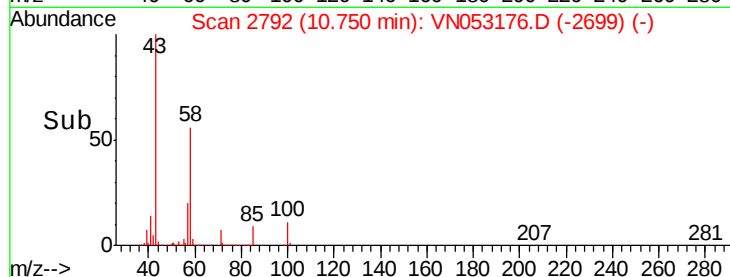
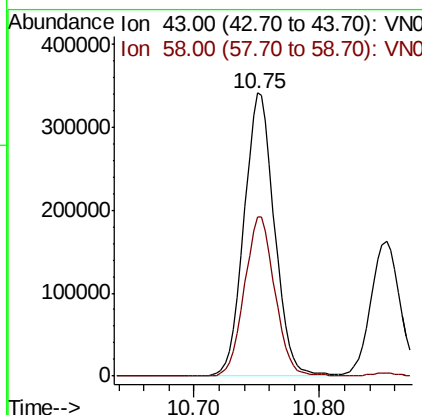
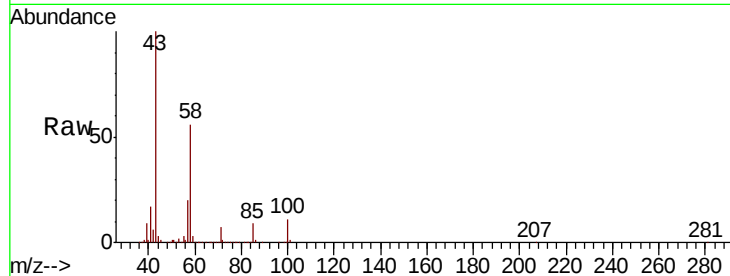




#59
2-Hexanone
Concen: 115.201 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

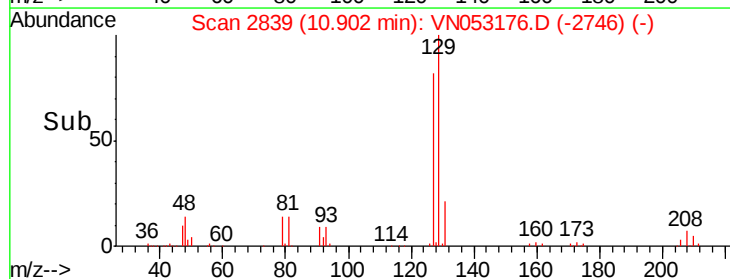
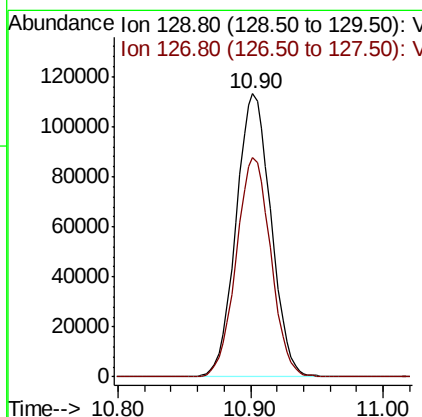
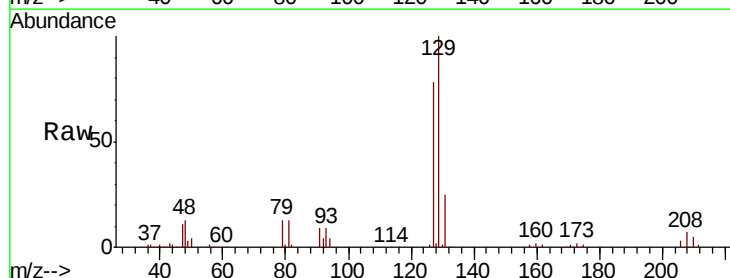
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

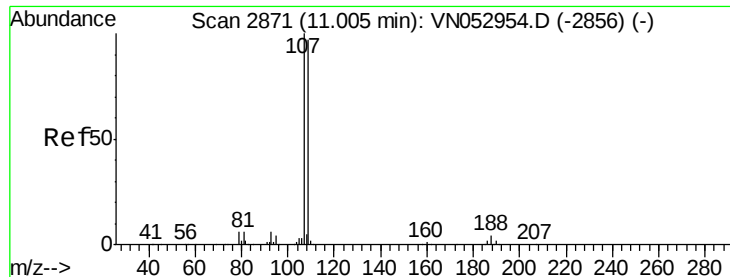
Tot Ion: 43 Resp: 574616
Ion Ratio Lower Upper
43 100
58 56.5 28.1 84.3



#60
Dibromochloromethane
Concen: 20.595 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion: 129 Resp: 206777
Ion Ratio Lower Upper
129 100
127 76.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 21.184 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

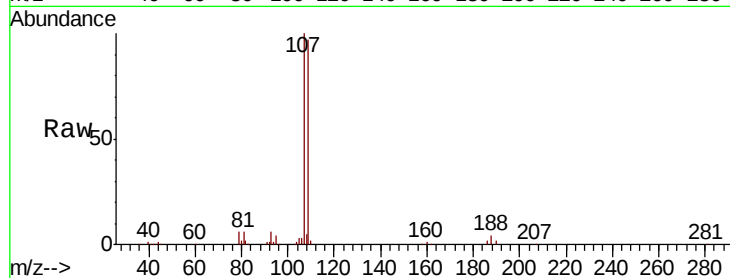
VN1224MBSD01

Tot Ion:107 Resp: 188706

Ion Ratio Lower Upper

107 100

109 94.3 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

120000

100000

80000

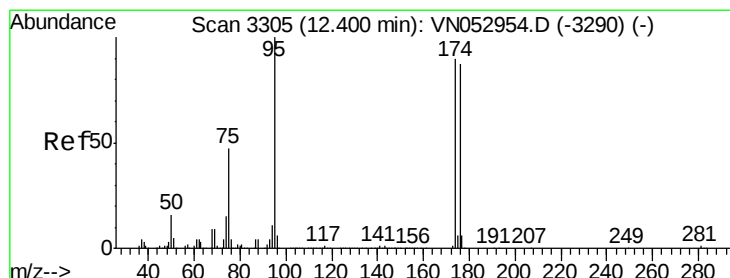
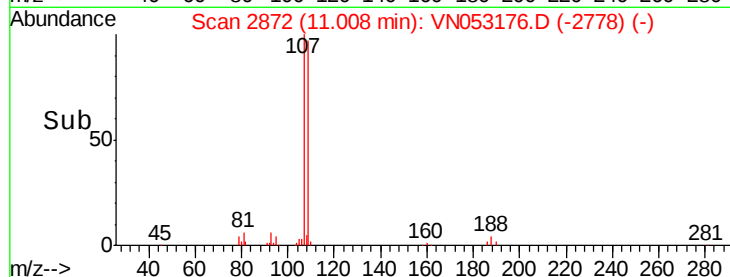
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 21.184 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

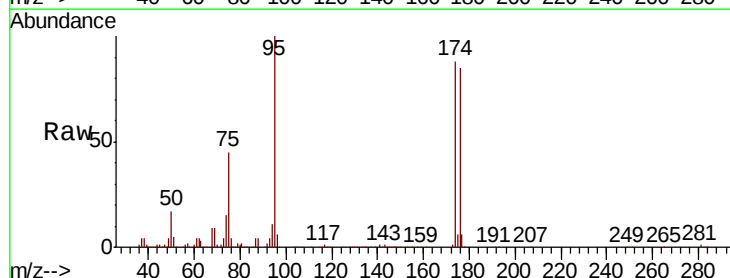
Tgt Ion: 95 Resp: 609107

Ion Ratio Lower Upper

95 100

174 88.5 0.0 178.8

176 86.5 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

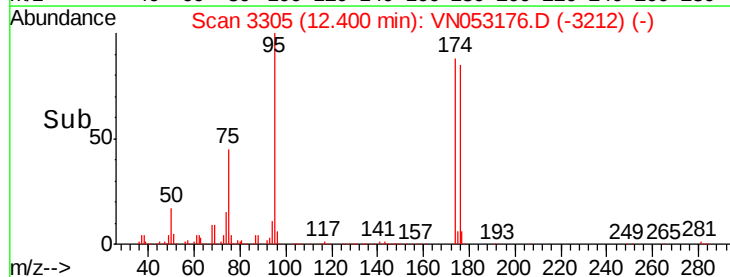
300000

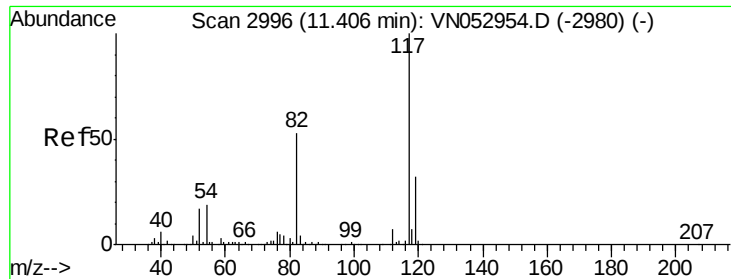
200000

100000

0

Time--> 12.30 12.35 12.40 12.45

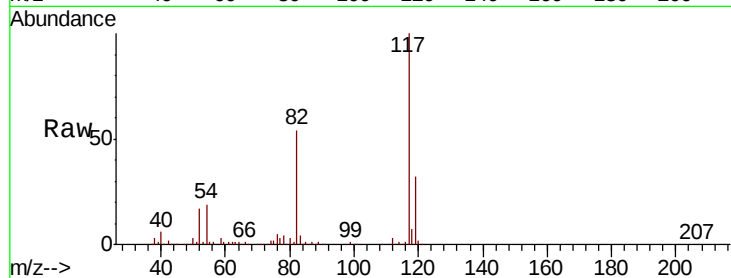




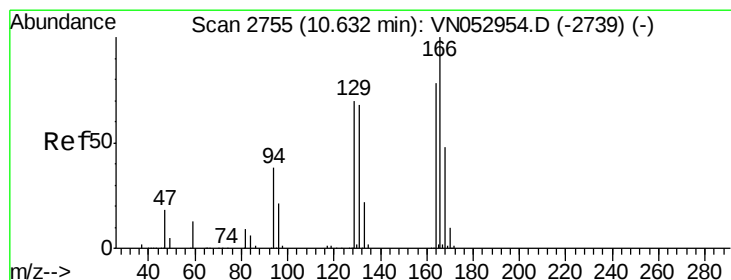
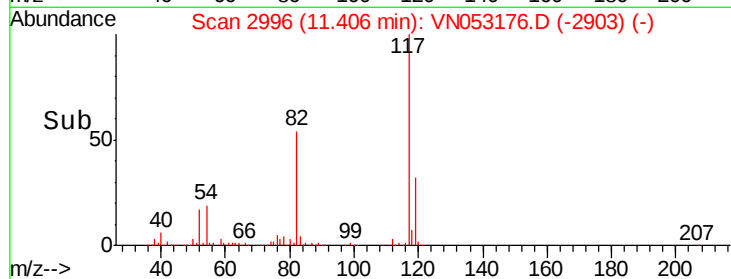
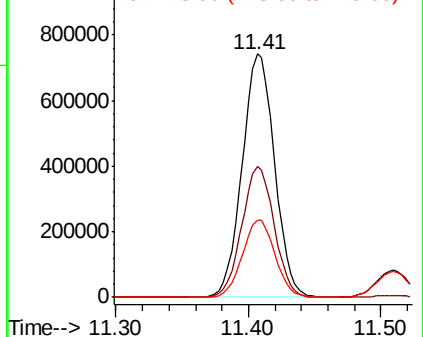
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion:117 Resp: 1260847
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 32.0 25.5 38.3

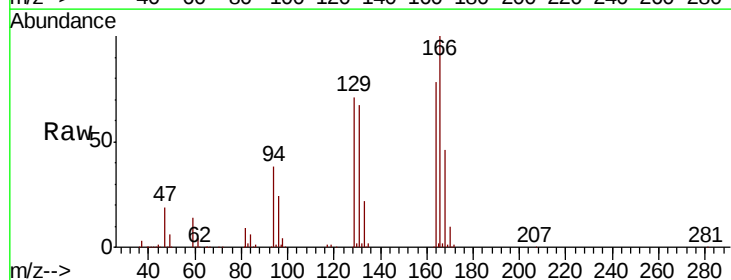


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

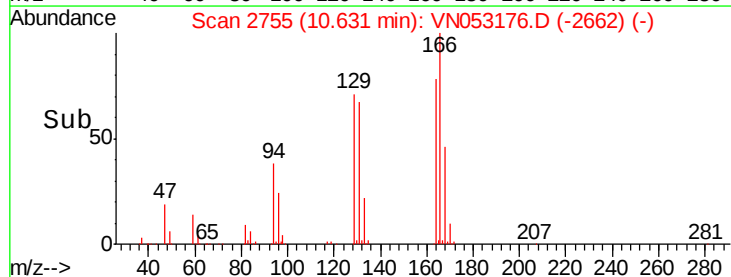
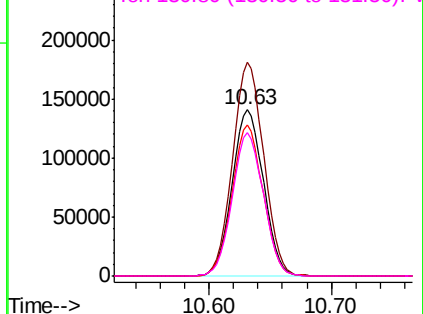


#64
Tetrachloroethene
Concen: 18.411 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion:164 Resp: 251449
Ion Ratio Lower Upper
164 100
166 128.8 102.9 154.3
129 90.9 73.7 110.5
131 86.4 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

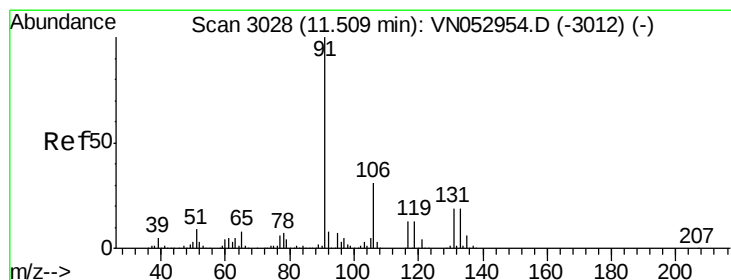
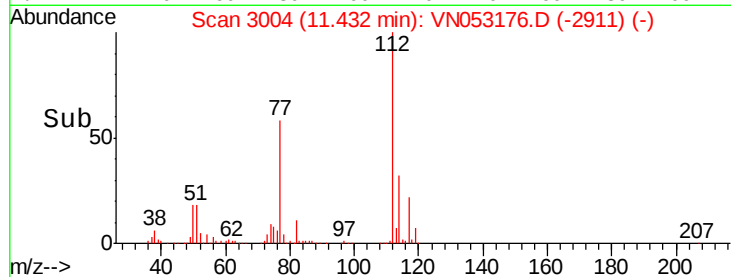
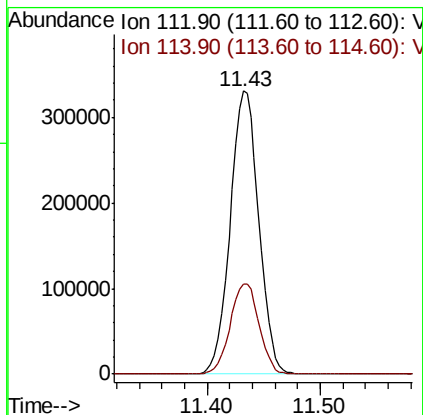
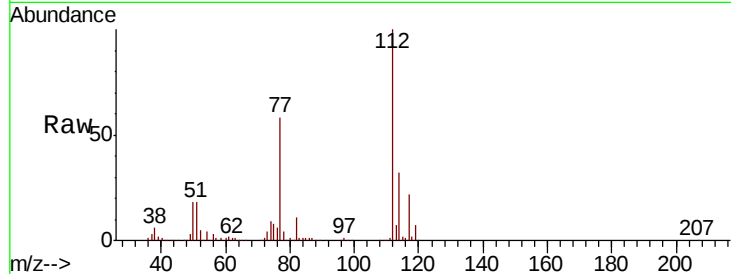




#65
Chlorobenzene
Concen: 20.760 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

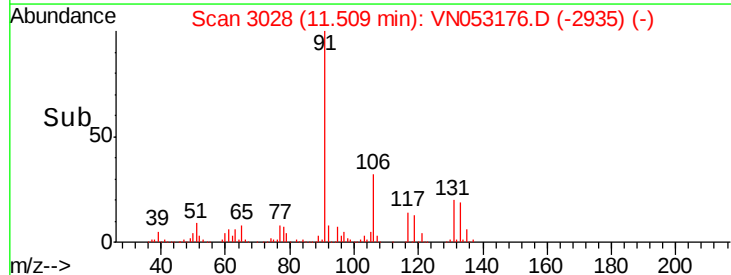
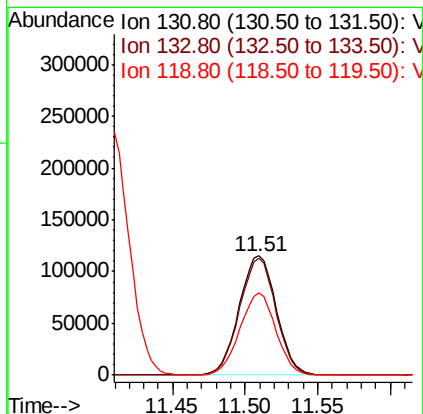
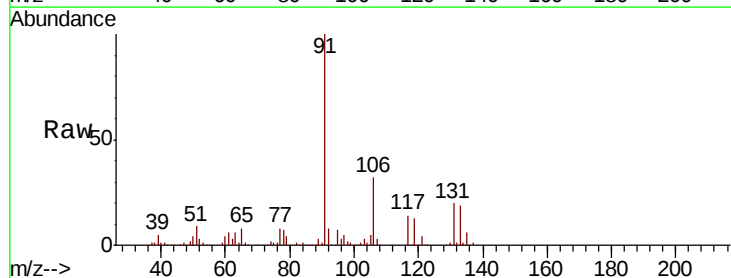
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

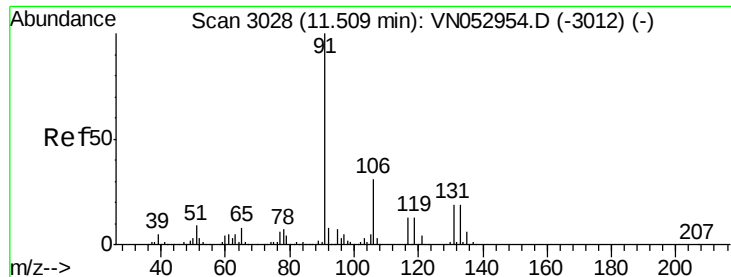
Tot Ion:112 Resp: 580231
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.156 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion:131 Resp: 205625
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 66.4 33.3 99.8

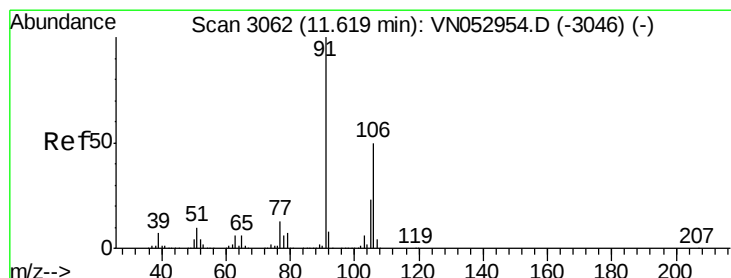
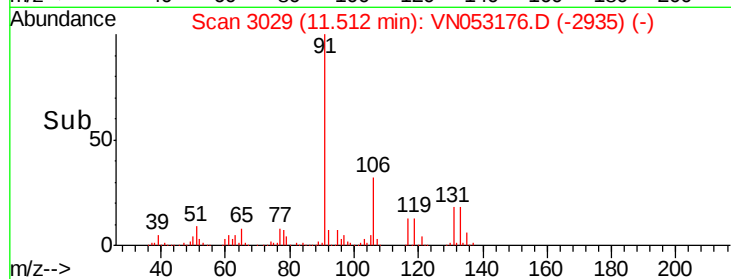
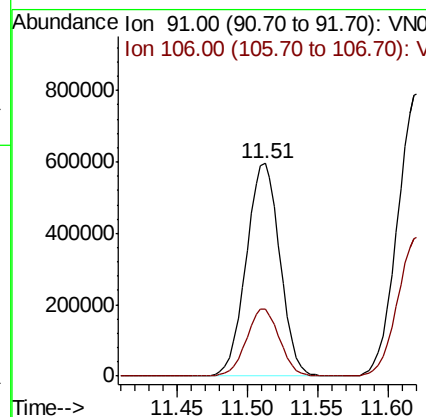
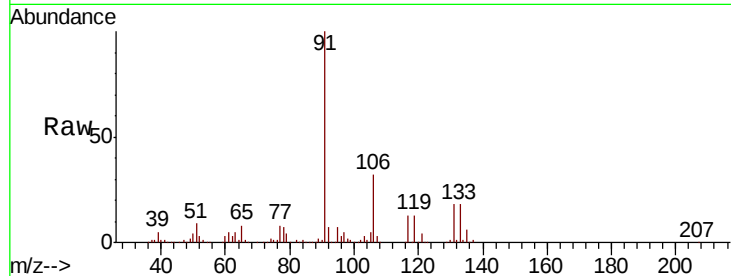




#67
Ethyl Benzene
Concen: 20.765 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

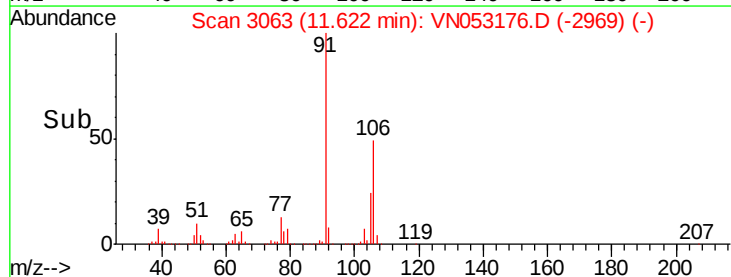
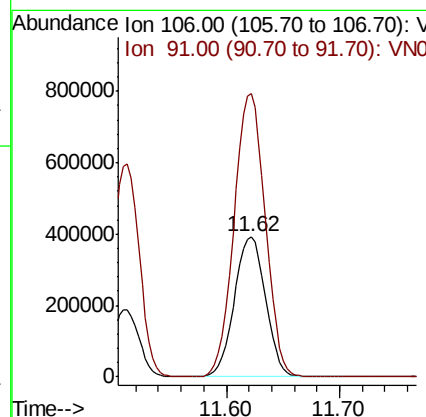
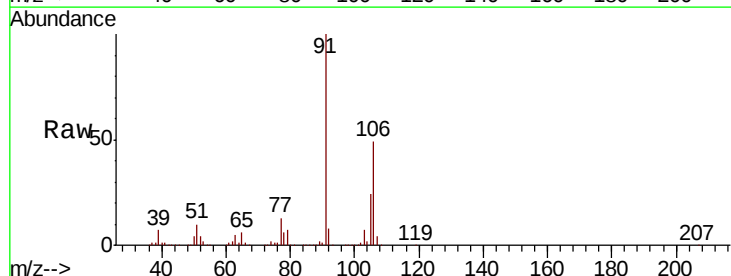
Instrument :
MSVOA_N
ClientSampled :
VN1224MBSD01

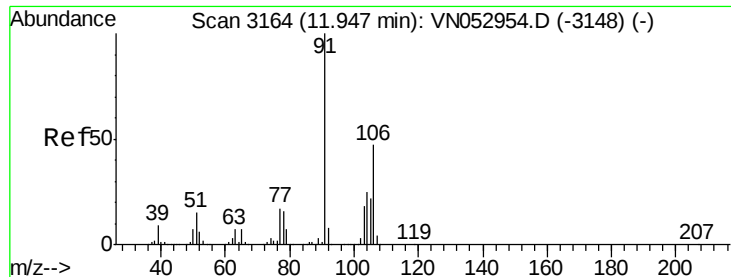
Tot Ion: 91 Resp: 998089
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3



#68
m/p-Xylenes
Concen: 41.251 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion: 106 Resp: 753751
Ion Ratio Lower Upper
106 100
91 201.6 162.2 243.4

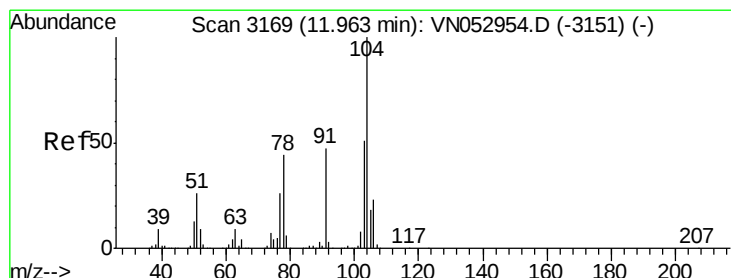
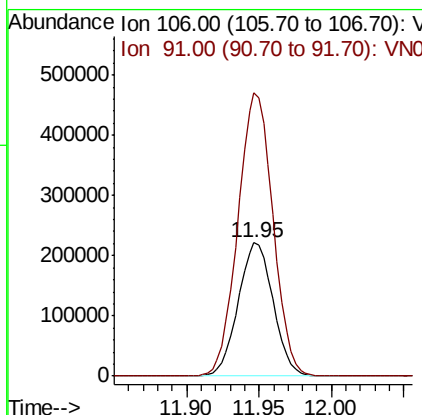
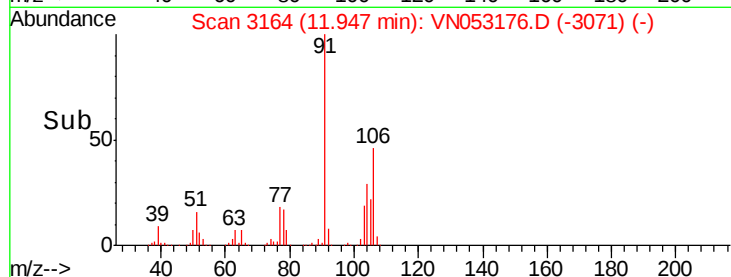
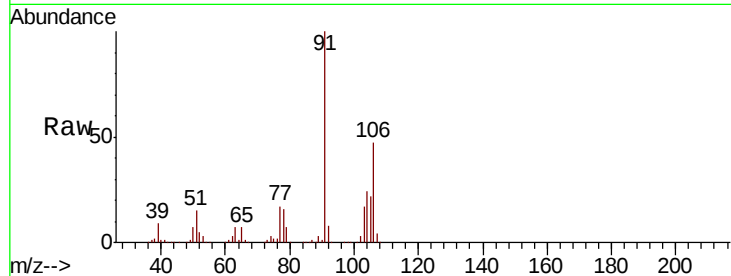




#69
o-Xylene
Concen: 21.189 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

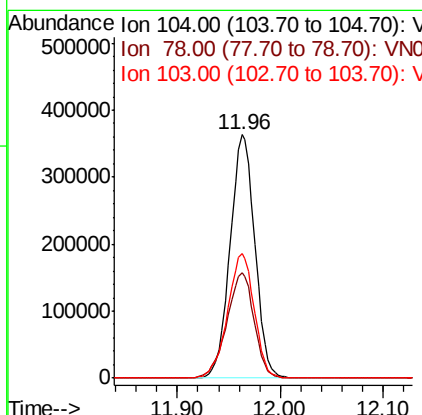
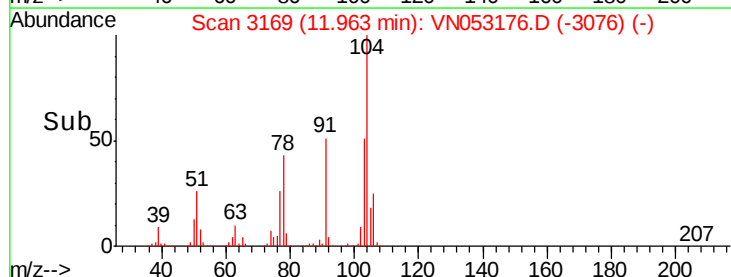
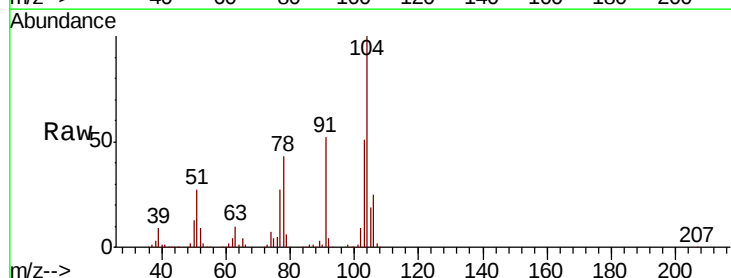
Instrument :
MSVOA_N
ClientSampled :
VN1224MBSD01

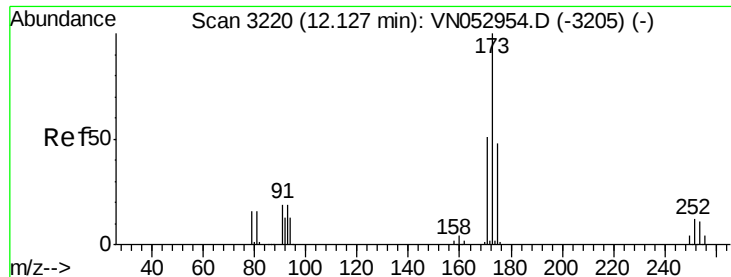
Tot Ion:106 Resp: 371522
Ion Ratio Lower Upper
106 100
91 212.7 106.6 319.8



#70
Styrene
Concen: 21.259 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion:104 Resp: 607804
Ion Ratio Lower Upper
104 100
78 47.5 38.9 58.3
103 55.0 44.3 66.5





#71

Bromoform

Concen: 19.691 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampled :

VN1224MBSD01

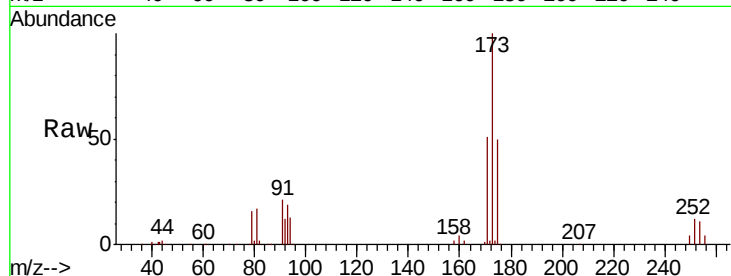
Tot Ion:173 Resp: 138261

Ion Ratio Lower Upper

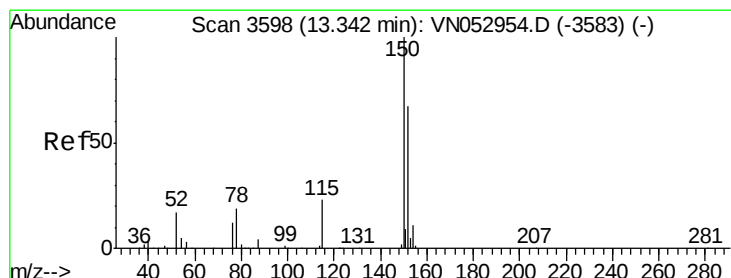
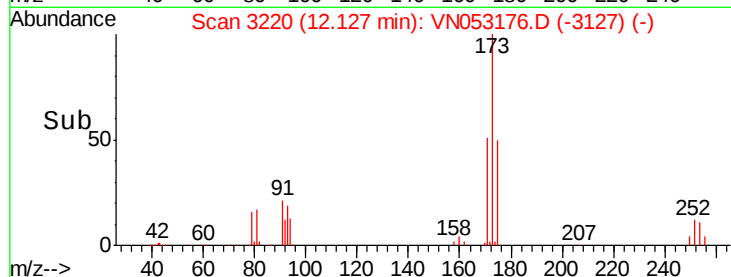
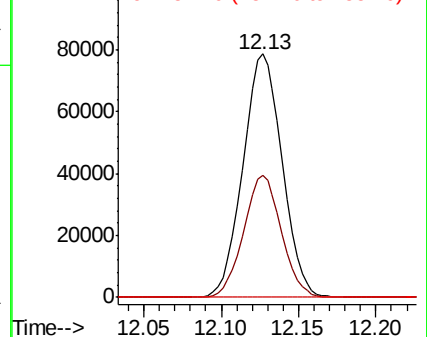
173 100

175 48.1 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: VN053176.D

Acq: 24 Dec 2018 11:14

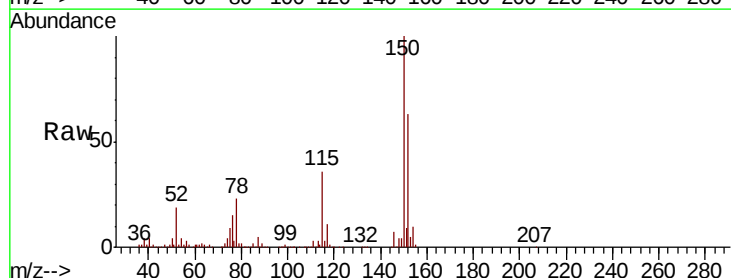
Tgt Ion:152 Resp: 572113

Ion Ratio Lower Upper

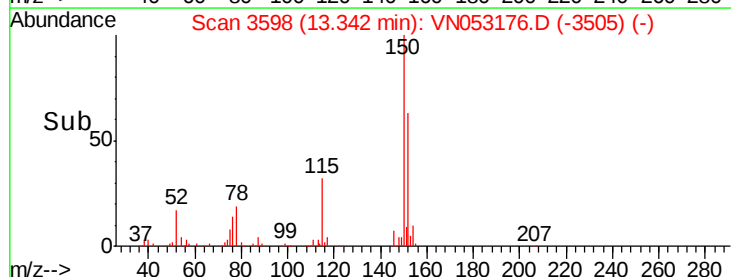
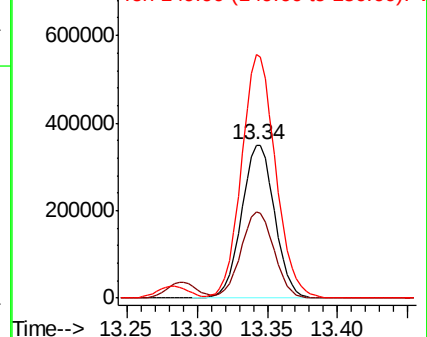
152 100

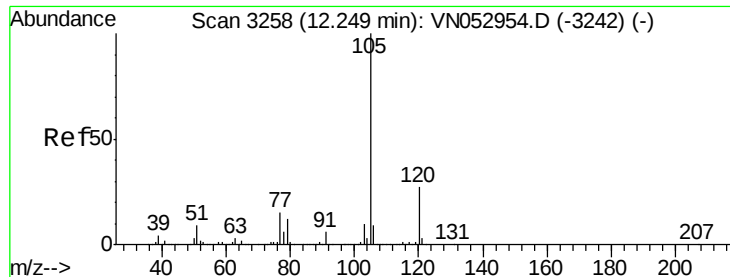
115 56.6 28.3 85.0

150 164.8 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: 21.771 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

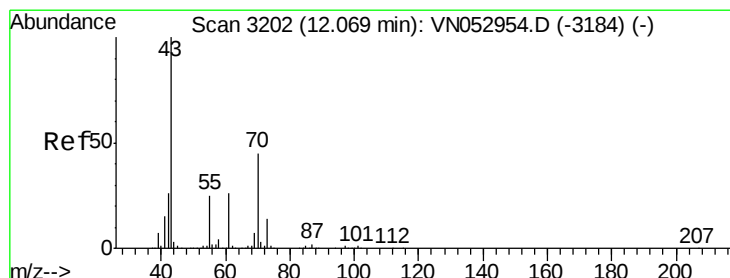
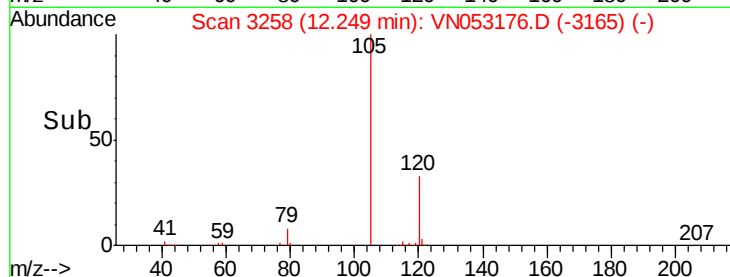
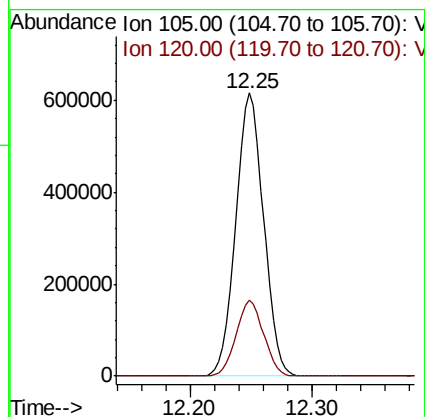
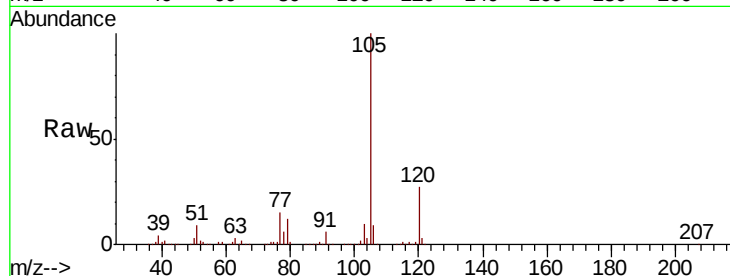
VN1224MBSD01

Tot Ion:105 Resp: 974528

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



#74

N-ethyl acetate

Concen: 21.430 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Tgt Ion: 43 Resp: 266325

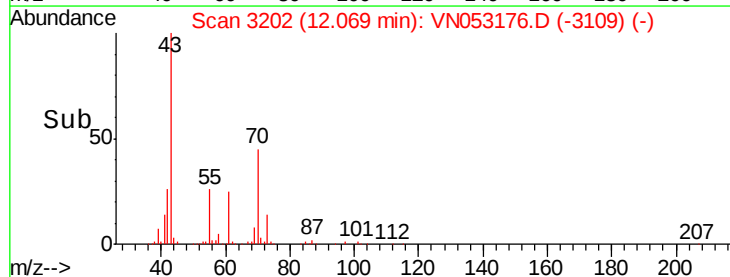
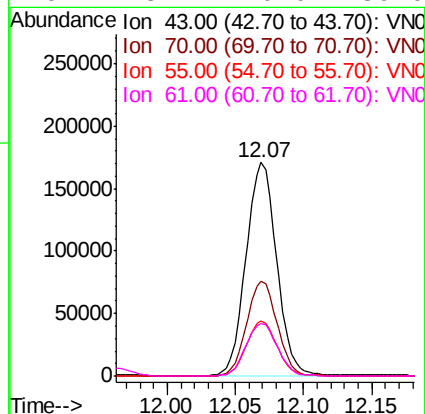
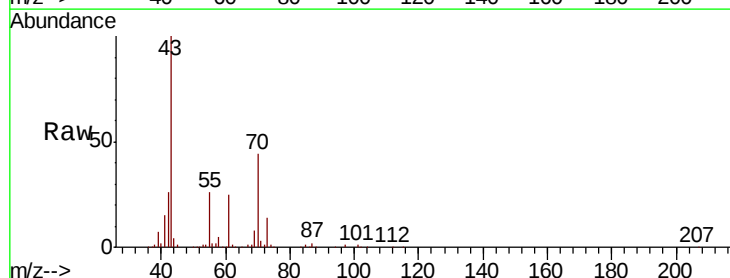
Ion Ratio Lower Upper

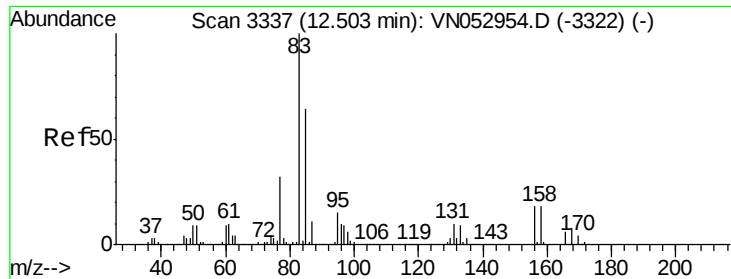
43 100

70 44.7 34.2 51.4

55 26.0 20.3 30.5

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.963 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

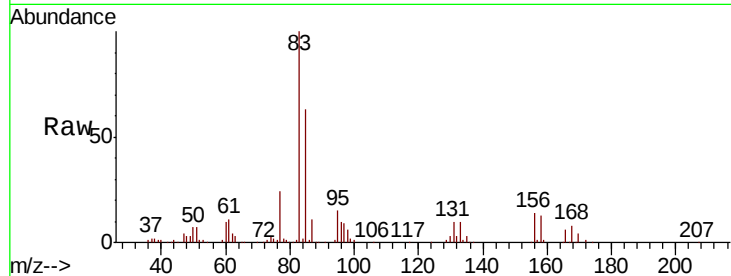
Tot Ion: 83 Resp: 219219

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

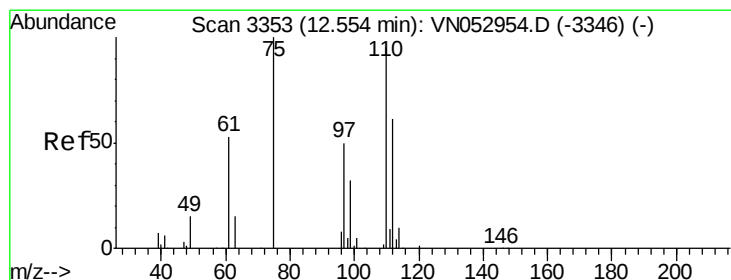
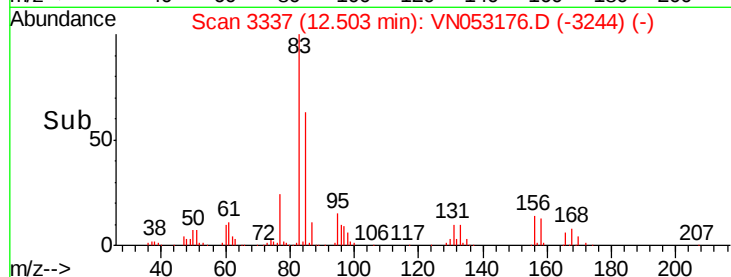
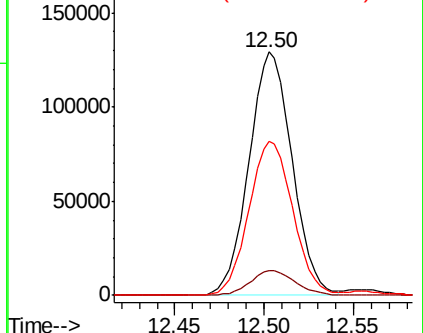
85 64.1 32.4 97.0



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: 29.611 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053176.D

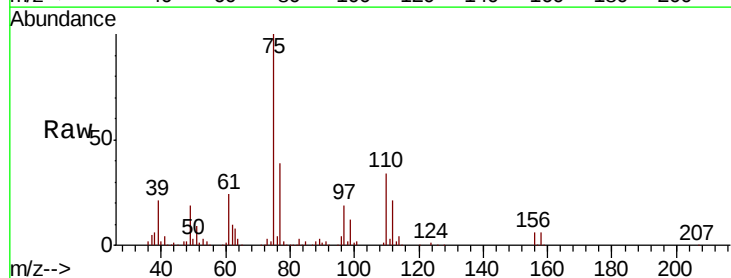
Acq: 24 Dec 2018 11:14

Tgt Ion: 75 Resp: 285178

Ion Ratio Lower Upper

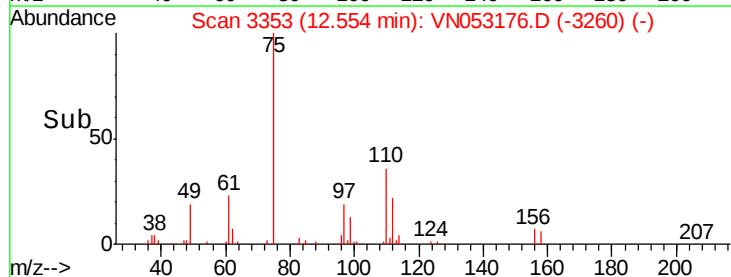
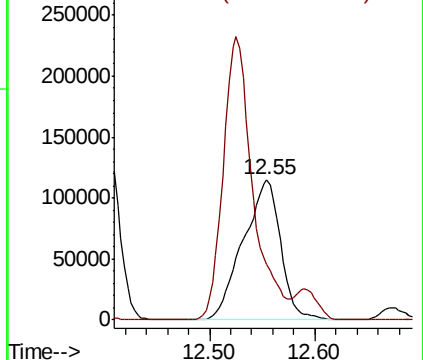
75 100

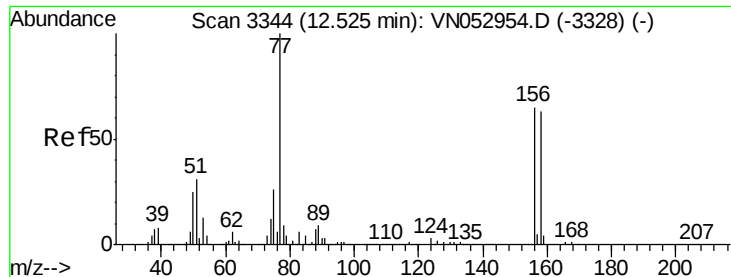
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.610 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

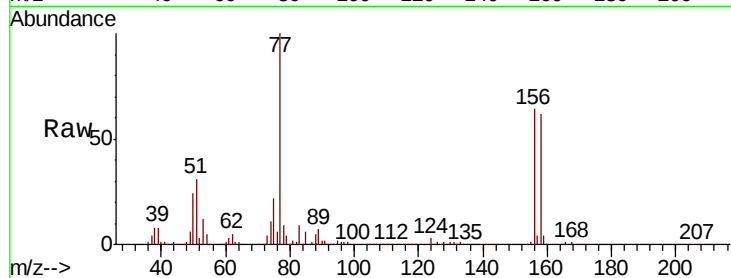
Tot Ion:156 Resp: 251454

Ion Ratio Lower Upper

156 100

77 180.4 91.3 273.8

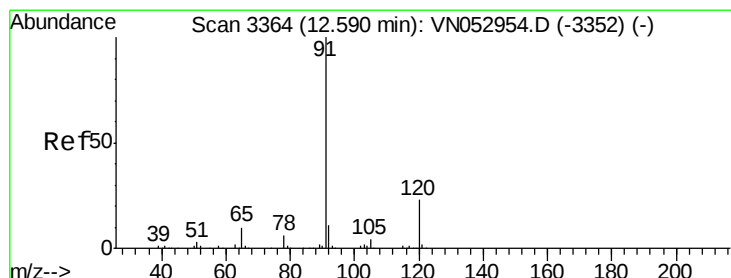
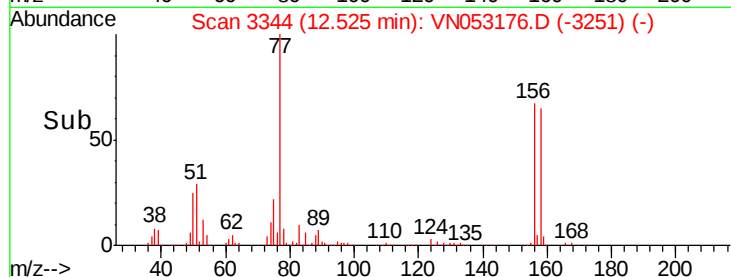
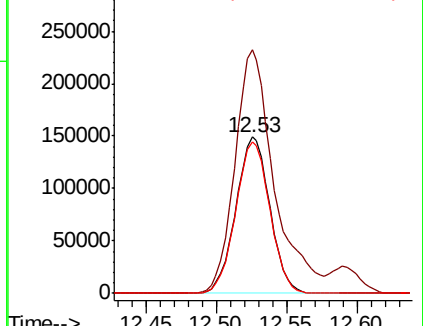
158 97.3 49.0 147.2



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: 21.258 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053176.D

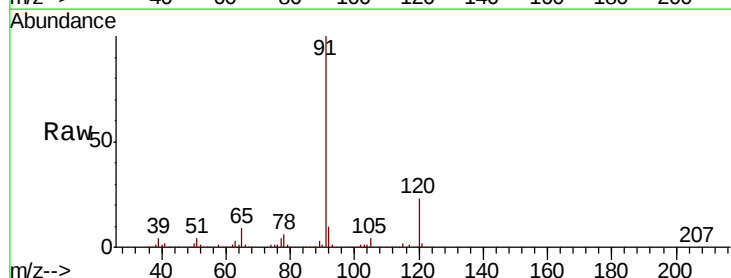
Acq: 24 Dec 2018 11:14

Tgt Ion: 91 Resp: 1083770

Ion Ratio Lower Upper

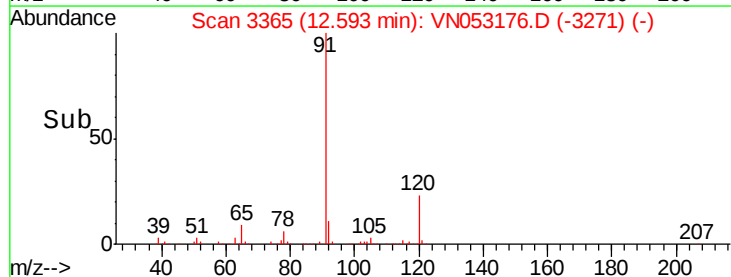
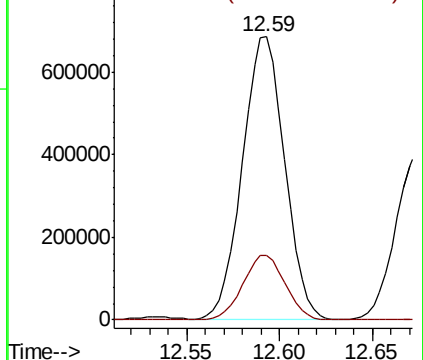
91 100

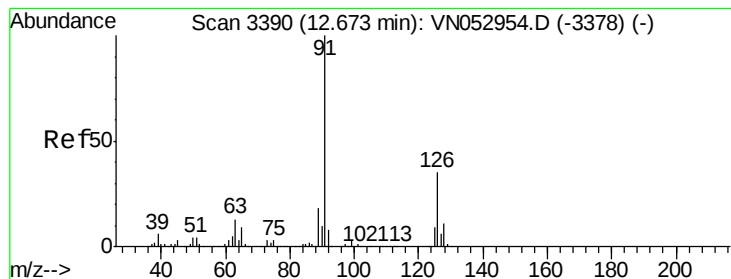
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.705 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

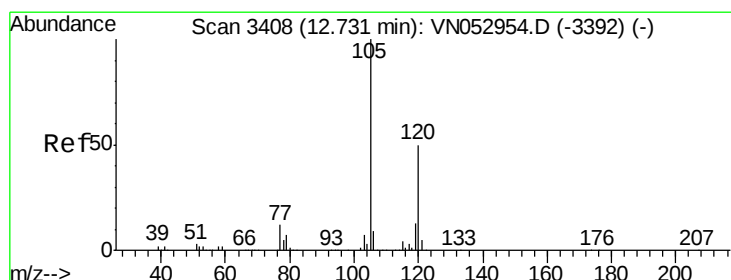
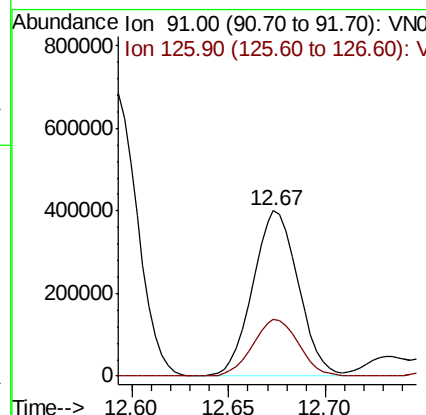
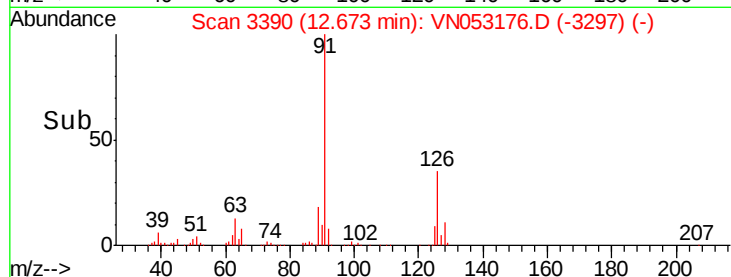
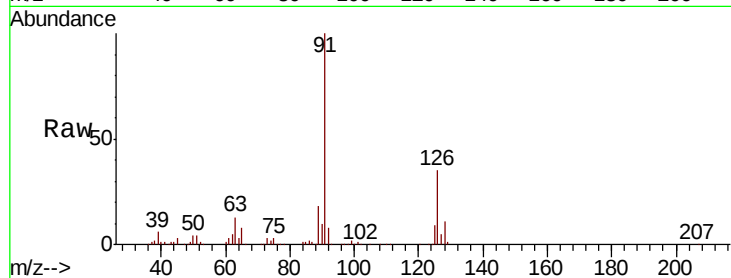
VN1224MBSD01

Tot Ion: 91 Resp: 654284

Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 21.096 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053176.D

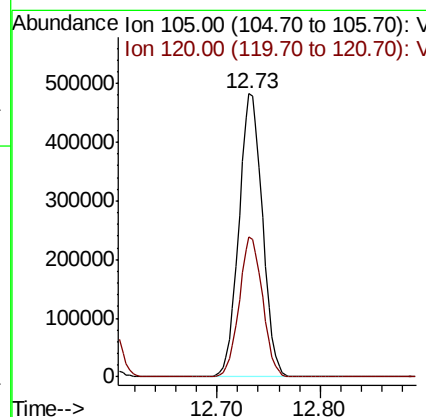
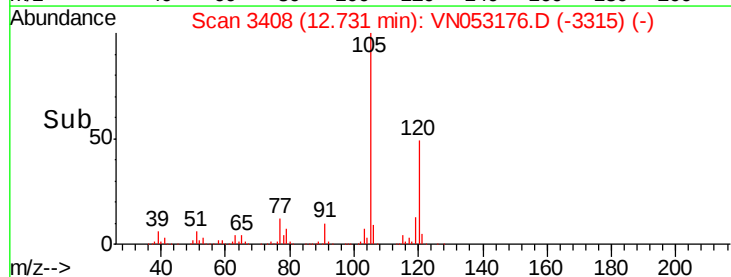
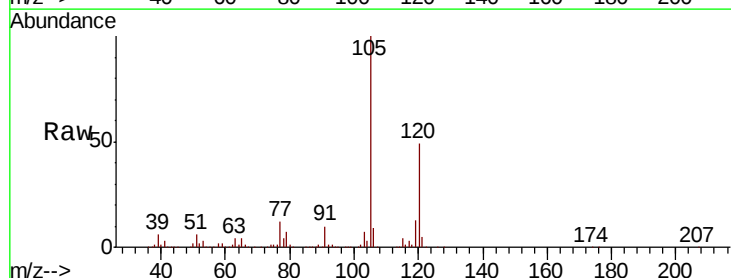
Acq: 24 Dec 2018 11:14

Tgt Ion: 105 Resp: 769708

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.836 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

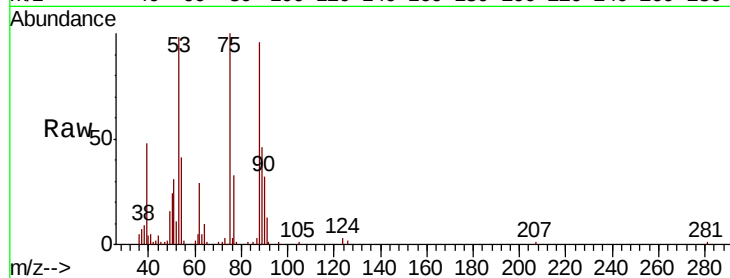
Tot Ion: 75 Resp: 59273

Ion Ratio Lower Upper

75 100

53 97.1 74.7 112.1

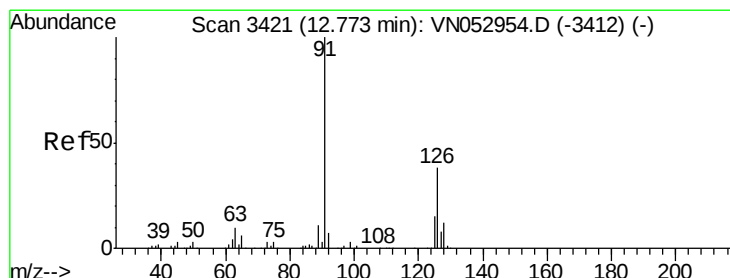
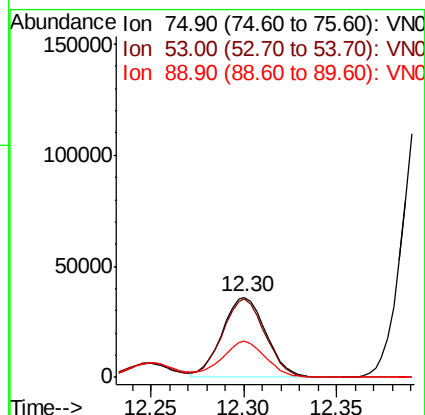
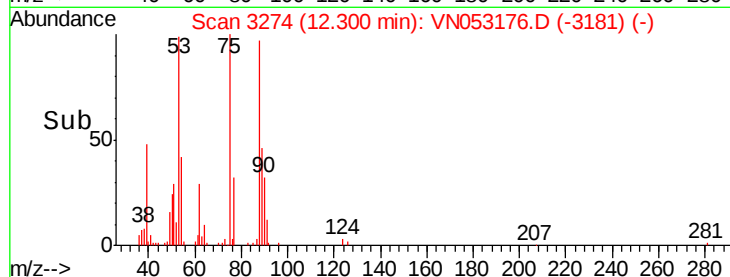
89 45.7 36.1 54.1



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: 21.380 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053176.D

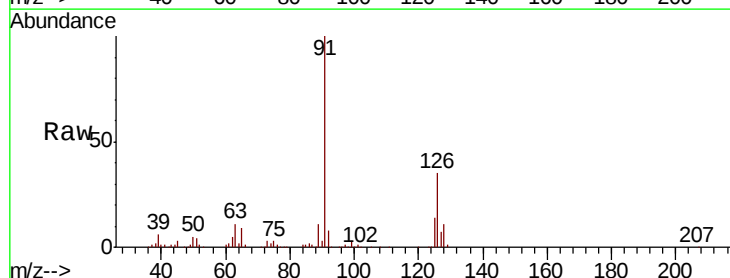
Acq: 24 Dec 2018 11:14

Tgt Ion: 91 Resp: 661379

Ion Ratio Lower Upper

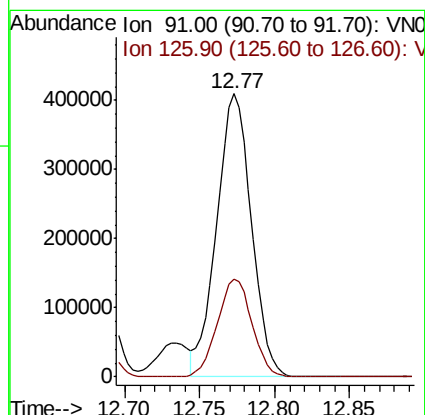
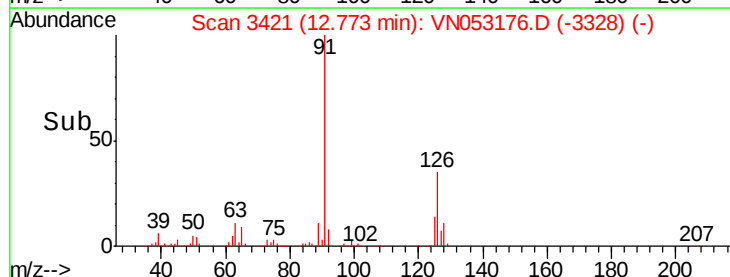
91 100

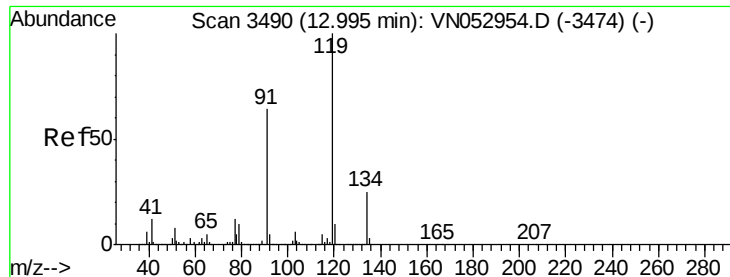
126 34.5 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

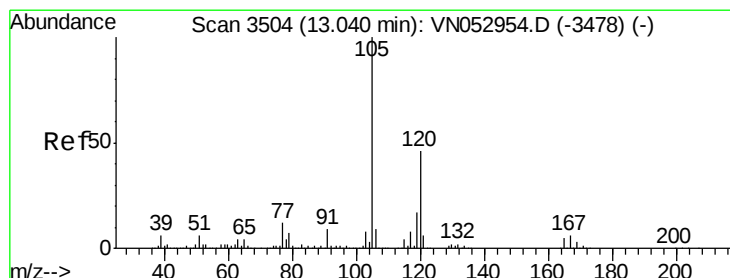
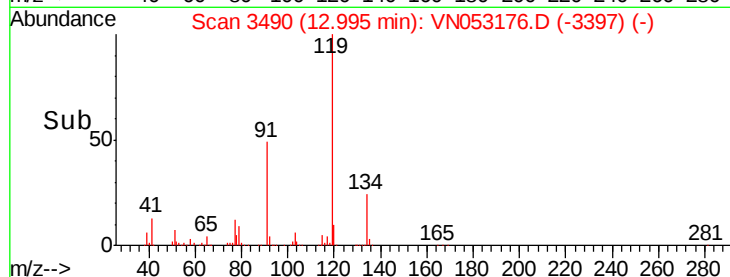
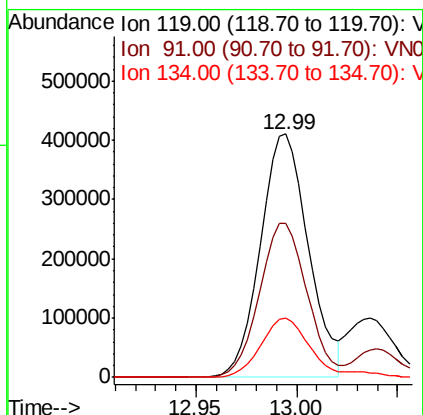
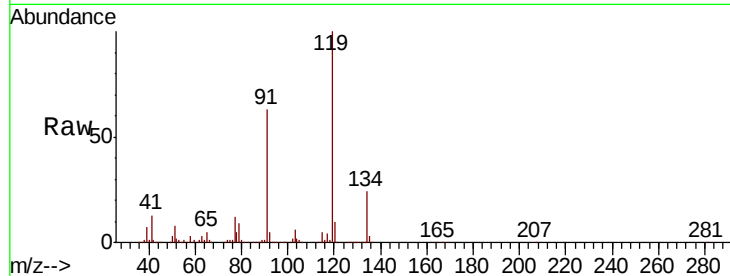




#83
tert-Butylbenzene
Concen: 21.082 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

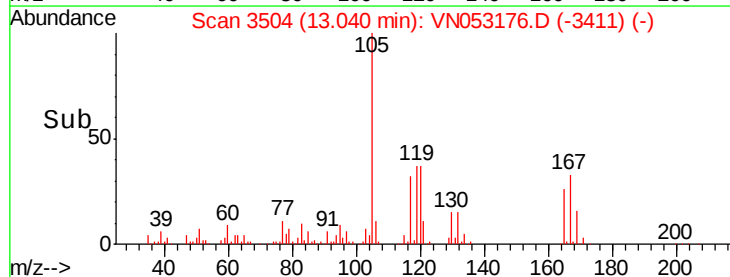
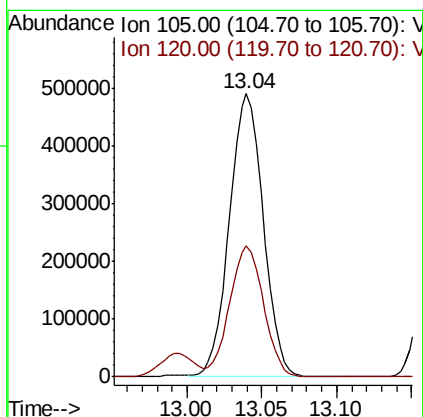
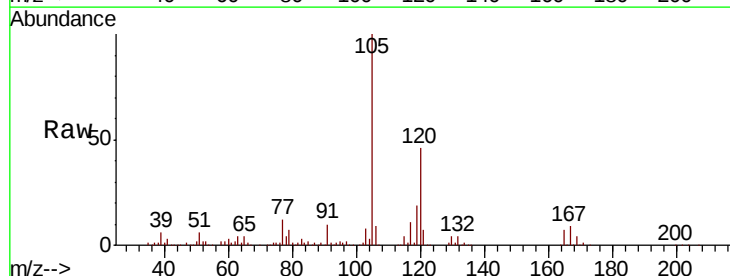
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

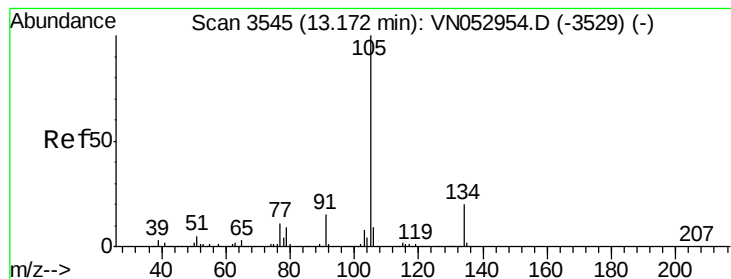
Tot Ion:119 Resp: 680263
Ion Ratio Lower Upper
119 100
91 62.5 31.9 95.5
134 25.8 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 21.101 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion:105 Resp: 773955
Ion Ratio Lower Upper
105 100
120 46.4 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.479 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

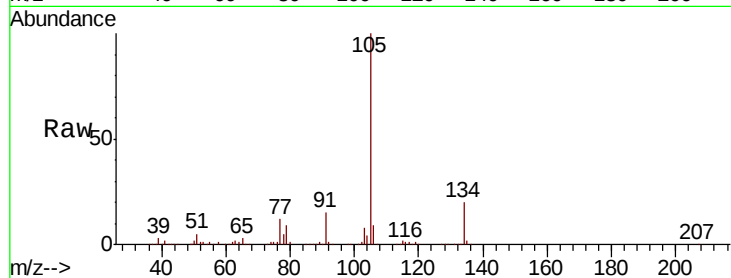
VN1224MBSD01

Tot Ion:105 Resp: 893814

Ion Ratio Lower Upper

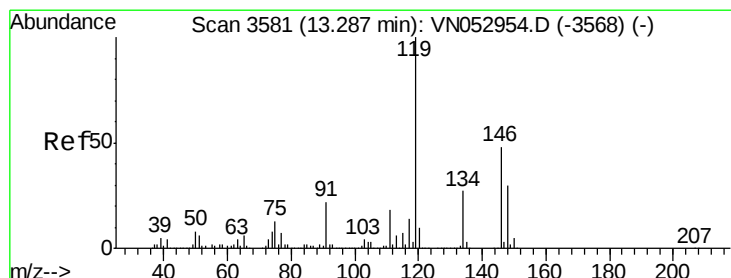
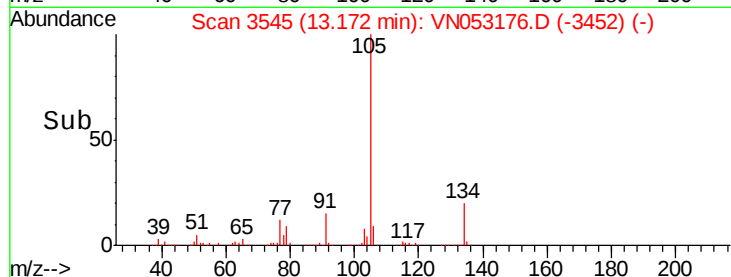
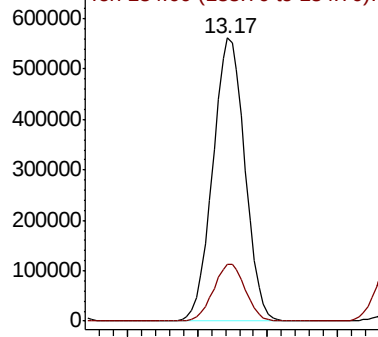
105 100

134 20.0 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.213 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

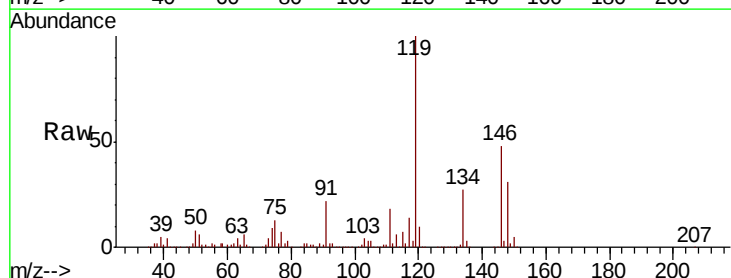
Tgt Ion:119 Resp: 762313

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

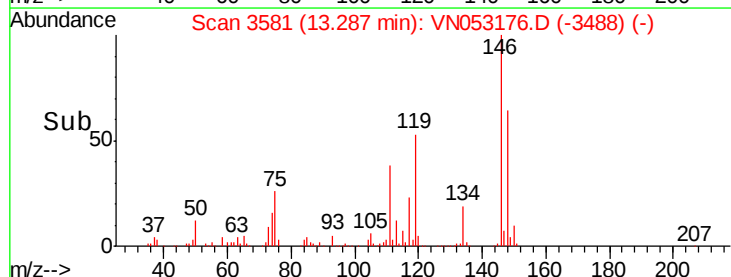
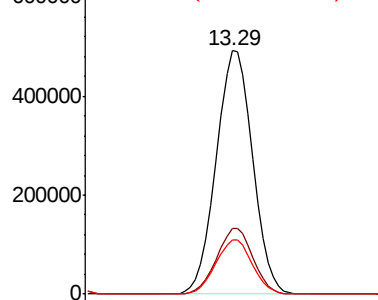
91 22.4 11.1 33.3

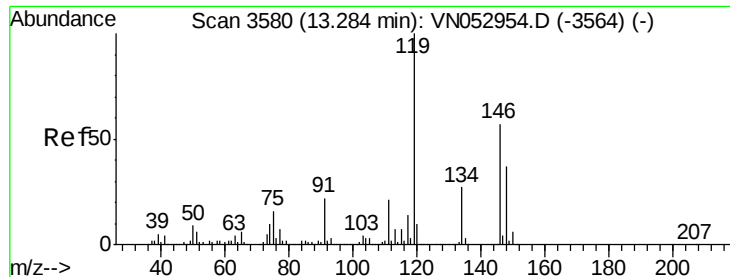


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

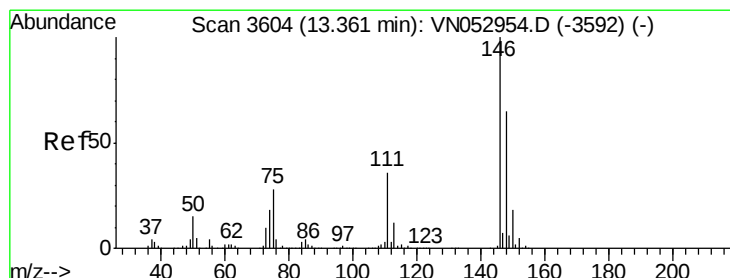
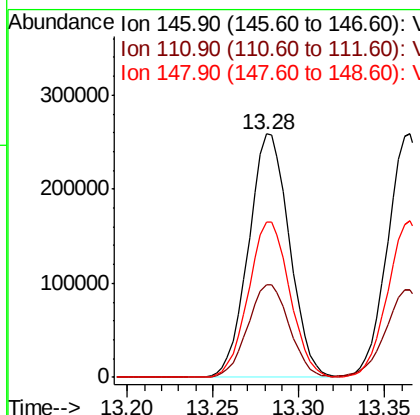
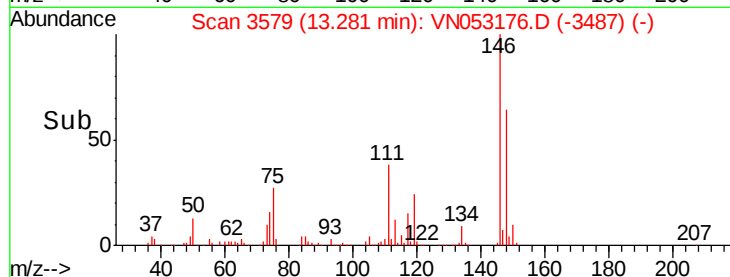
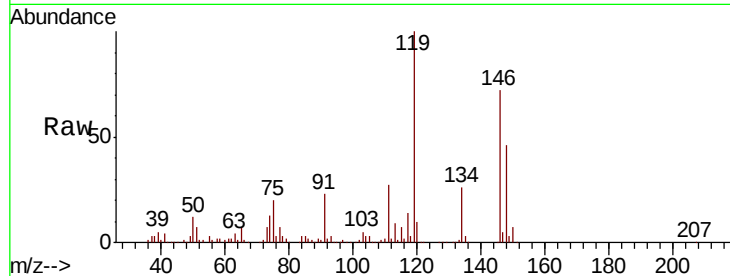




#87
 1,3-Dichlorobenzene
 Concen: 20.679 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

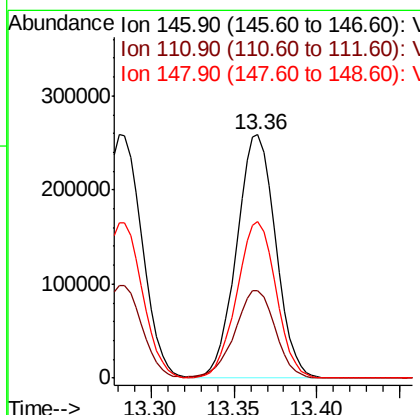
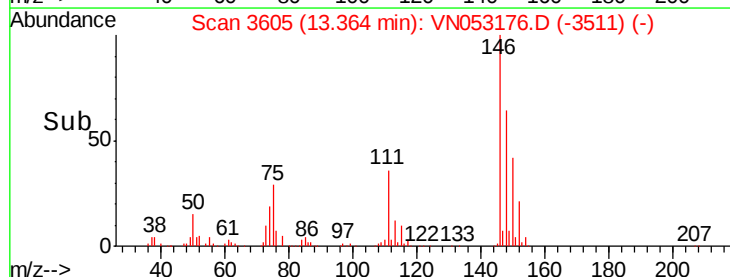
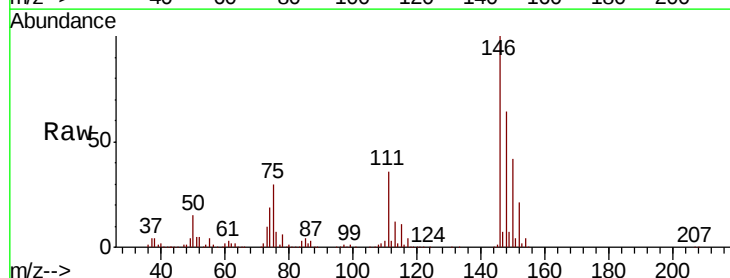
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

Tot Ion:146 Resp: 425873
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.1 57.1
 148 64.5 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.281 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion:146 Resp: 422962
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 55.8
 148 64.6 32.1 96.5

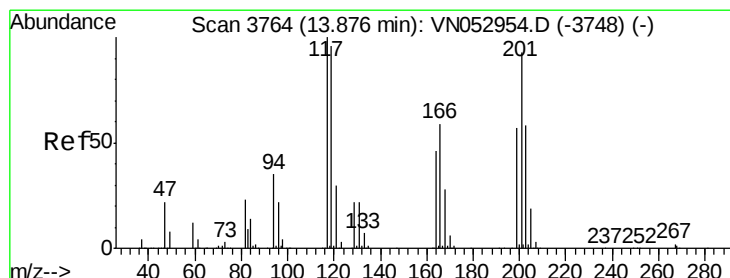
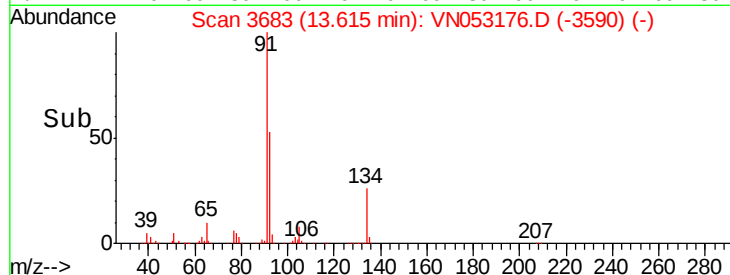
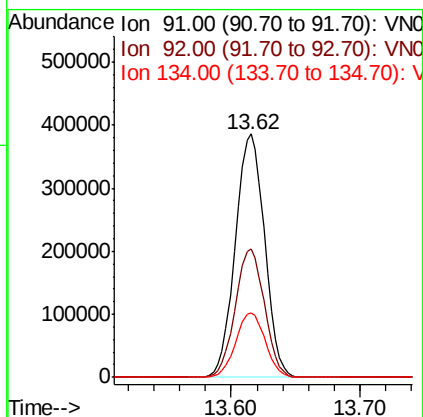
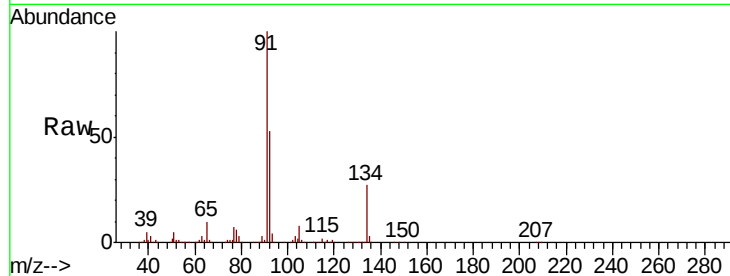




#89
n-Butylbenzene
Concen: 18.760 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

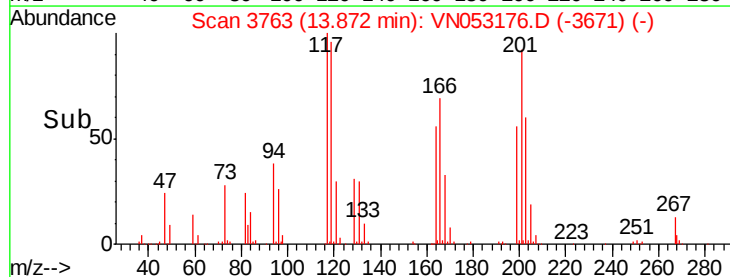
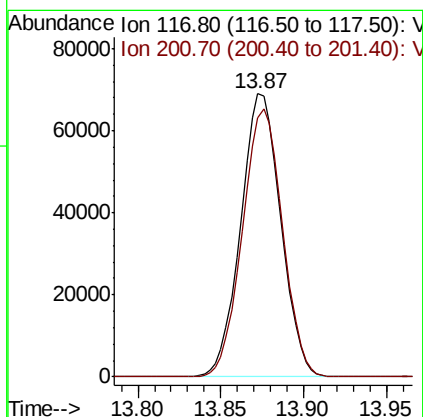
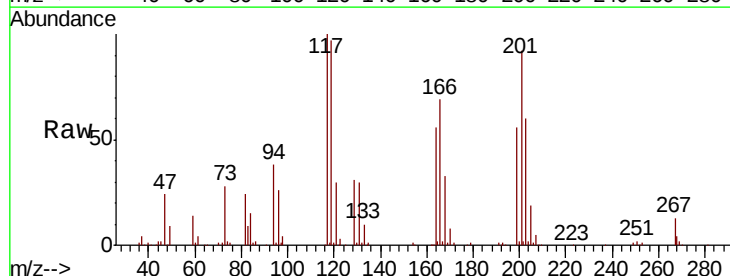
Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion: 91 Resp: 608678
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.9
134 26.6 13.3 39.8



#90
Hexachloroethane
Concen: 20.078 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion: 117 Resp: 116202
Ion Ratio Lower Upper
117 100
201 94.4 45.7 137.1

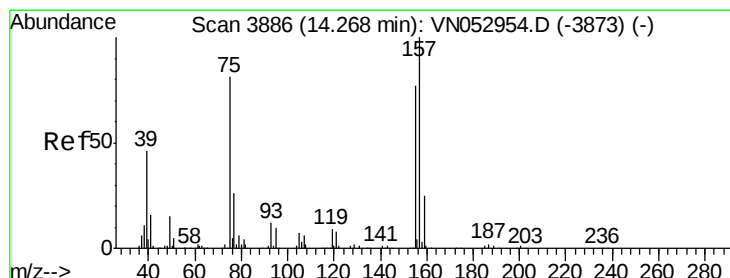
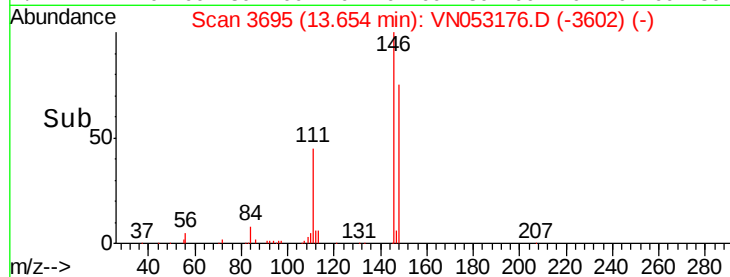
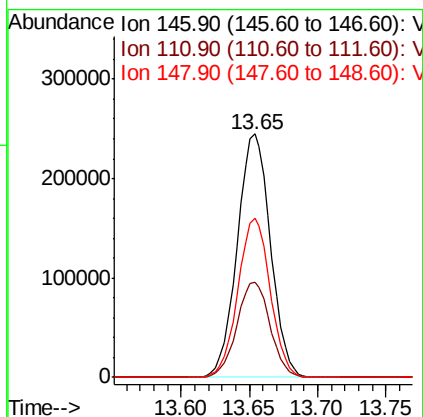
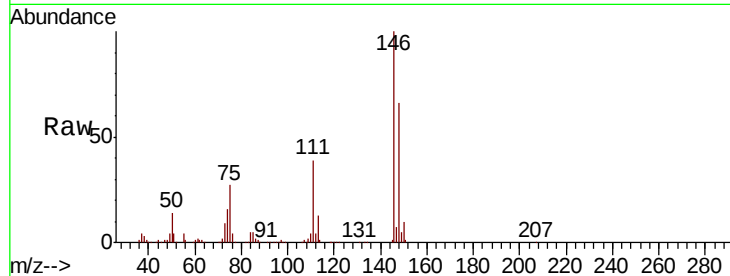




#91
 1,2-Dichlorobenzene
 Concen: 21.330 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

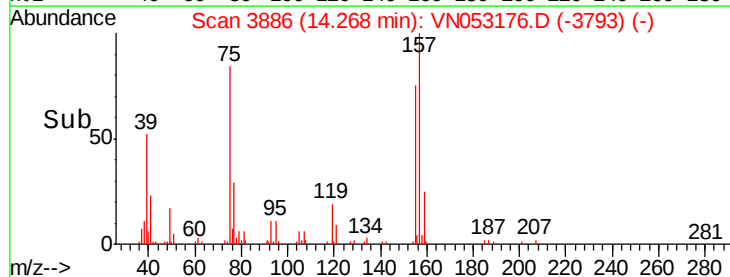
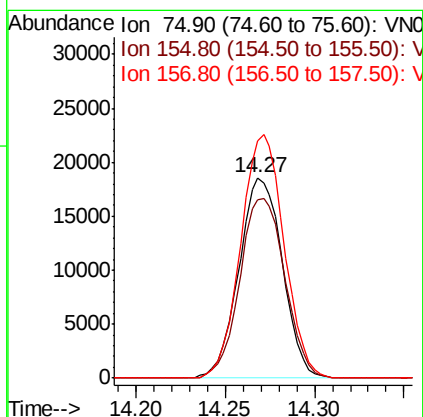
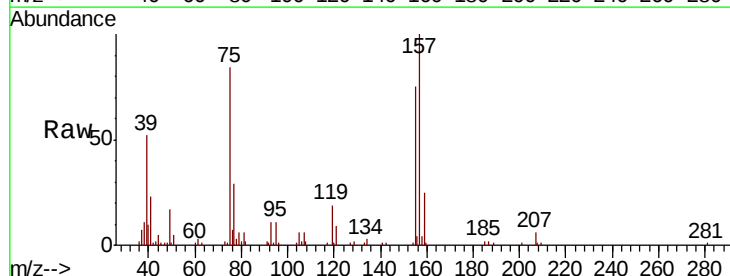
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

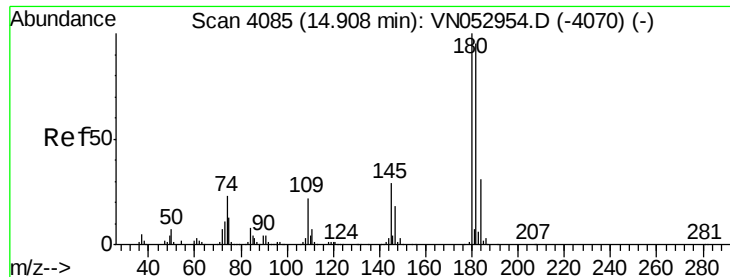
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.7	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.748 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	48.2	144.6
157	121.0	61.2	183.5

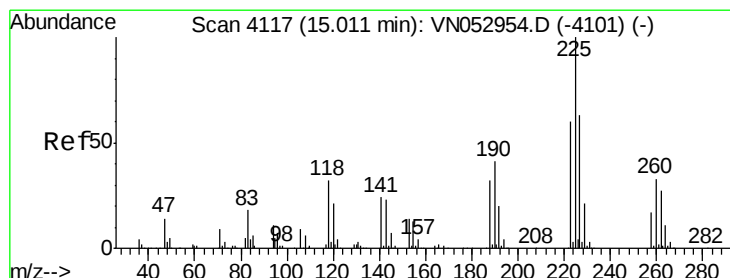
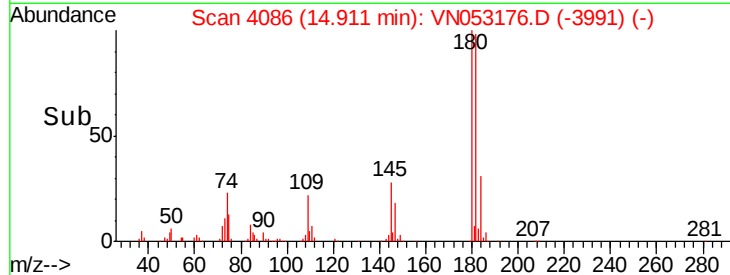
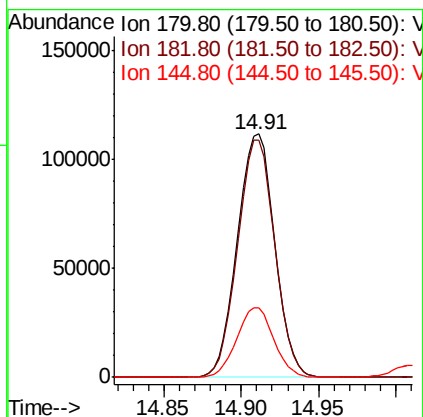
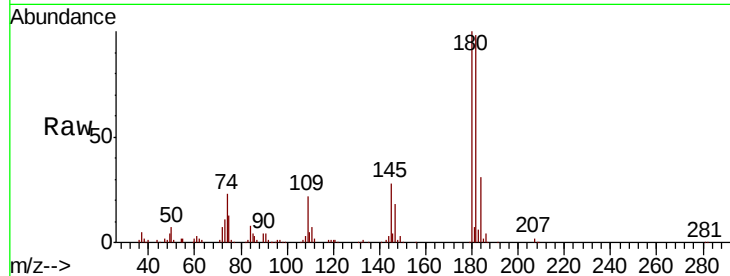




#93
 1,2,4-Trichlorobenzene
 Concen: 18.700 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

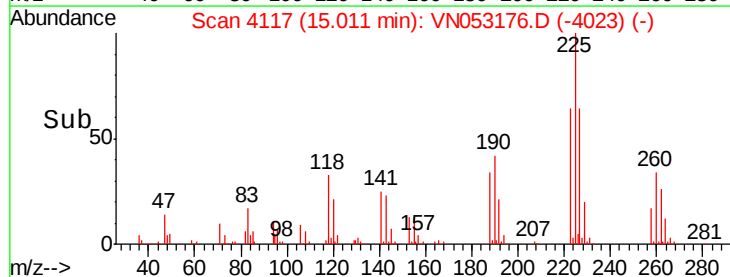
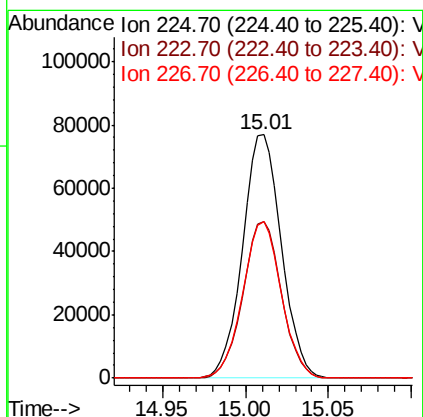
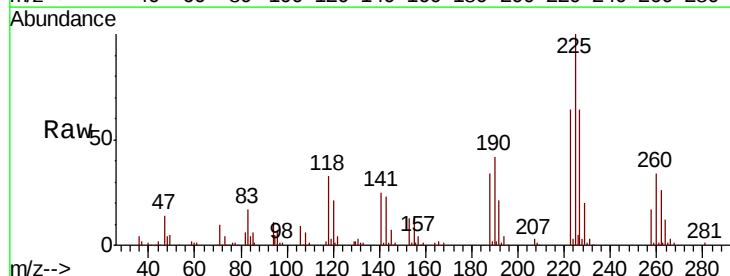
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

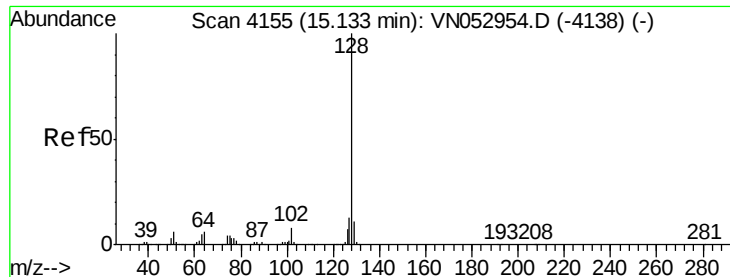
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.8	143.3
145	28.4	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 21.886 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.5	94.5
227	63.9	31.9	95.7

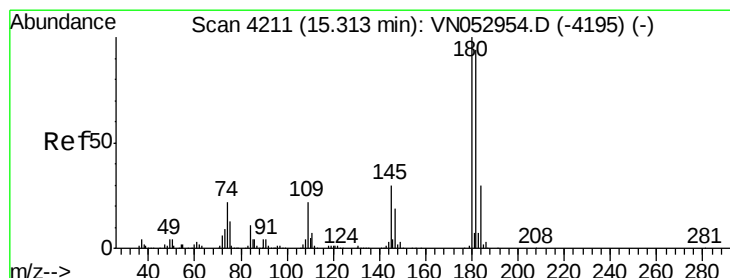
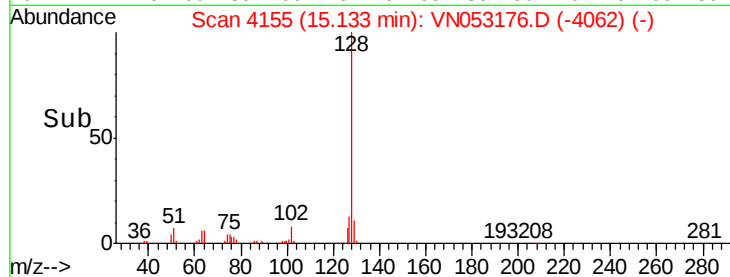
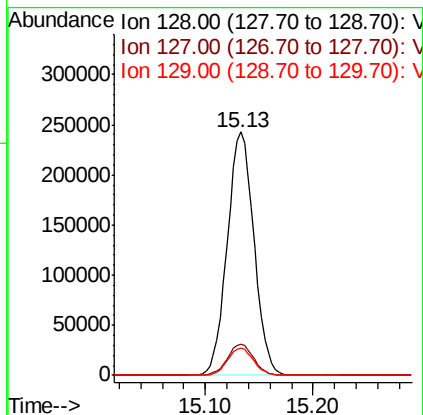
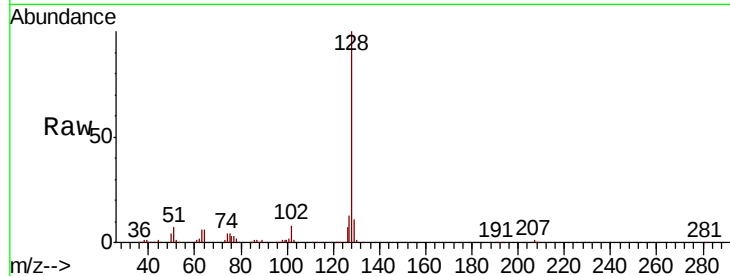




#95
Naphthalene
Concen: 19.287 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion:128 Resp: 417617
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.892 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion:180 Resp: 171738
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.7
145 30.0 15.0 45.0

