

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122718\
 Data File : VN053207.D
 Acq On : 27 Dec 2018 12:50
 Operator : MD\SY
 Sample : VN1227WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Quant Time: Dec 28 00:48:08 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	939529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1453511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1276138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	528950	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	524915	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
35) Dibromofluoromethane	7.59	113	441006	66.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.84%	
50) Toluene-d8	10.09	98	1898867	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.40	95	624082	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	172338	18.124	ug/l	99
3) Chloromethane	2.06	50	216774	18.813	ug/l	99
4) Vinyl Chloride	2.19	62	225438	19.318	ug/l	99
5) Bromomethane	2.58	94	145355	17.978	ug/l	96
6) Chloroethane	2.71	64	136248	19.713	ug/l	98
7) Trichlorofluoromethane	3.03	101	292987	20.154	ug/l	100
8) Diethyl Ether	3.41	74	116729	21.284	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	185102	19.970	ug/l	99
10) Methyl Iodide	3.96	142	257726	19.800	ug/l	99
11) Tert butyl alcohol	4.78	59	57741	99.253	ug/l	99
12) 1,1-Dichloroethene	3.74	96	181925	20.316	ug/l	98
13) Acrolein	3.61	56	55794	105.771	ug/l	97
14) Allyl chloride	4.33	41	300810	21.686	ug/l	95
15) Acrylonitrile	4.99	53	344928	106.725	ug/l	100
16) Acetone	3.82	43	212839	113.854	ug/l	98
17) Carbon Disulfide	4.06	76	480219	16.443	ug/l	100
18) Methyl Acetate	4.33	43	190868	23.041	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	510230	21.291	ug/l	98
20) Methylene Chloride	4.55	84	216375	21.219	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	191138	19.866	ug/l	99
22) Diisopropyl ether	5.95	45	660753	22.317	ug/l	98
23) Vinyl Acetate	5.90	43	1872823	110.002	ug/l	99
24) 1,1-Dichloroethane	5.85	63	376843	21.419	ug/l	99
25) 2-Butanone	6.84	43	356961	113.779	ug/l	98
26) 2,2-Dichloropropane	6.83	77	259213	19.300	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	227397	20.877	ug/l	99
28) Bromochloromethane	7.20	49	171945	22.554	ug/l	98
29) Tetrahydrofuran	7.21	42	252303	107.676	ug/l	99
30) Chloroform	7.37	83	365456	21.145	ug/l	99
31) Cyclohexane	7.66	56	344290	20.239	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	301301	20.465	ug/l	99
36) 1,1-Dichloropropene	7.80	75	277818	19.914	ug/l	100
37) Ethyl Acetate	6.93	43	169074	21.709	ug/l	99
38) Carbon Tetrachloride	7.78	117	258505	20.215	ug/l	97

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 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)
39) Methylcyclohexane	9.08	83	310143	18.300	ug/l	100
40) Benzene	8.04	78	862702	20.789	ug/l	100
41) Methacrylonitrile	7.17	41	98901	21.978	ug/l	95
42) 1,2-Dichloroethane	8.12	62	253154	20.650	ug/l	99
43) Isopropyl Acetate	8.17	43	310246	19.957	ug/l #	91
44) Trichloroethene	8.84	130	233266	19.434	ug/l	99
45) 1,2-Dichloropropane	9.12	63	230215	21.299	ug/l	98
46) Dibromomethane	9.21	93	129440	20.557	ug/l	99
47) Bromodichloromethane	9.40	83	280724	20.974	ug/l	100
48) Methyl methacrylate	9.20	41	160029	21.175	ug/l	97
49) 1,4-Dioxane	9.20	88	34098	356.678	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	819077	108.598	ug/l	99
52) Toluene	10.16	92	530004	20.606	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	279078	19.829	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	328969	20.363	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	188938	21.055	ug/l	99
56) Ethyl methacrylate	10.43	69	245850	20.699	ug/l	98
57) 1,3-Dichloropropane	10.71	76	323132	20.999	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	699366	107.257	ug/l	99
59) 2-Hexanone	10.75	43	548856	107.556	ug/l	99
60) Dibromochloromethane	10.90	129	208765	20.325	ug/l	100
61) 1,2-Dibromoethane	11.01	107	184605	20.256	ug/l	100
64) Tetrachloroethene	10.63	164	245984	17.795	ug/l	99
65) Chlorobenzene	11.43	112	576685	20.386	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	206592	21.001	ug/l	99
67) Ethyl Benzene	11.51	91	987481	20.298	ug/l	99
68) m/p-Xylenes	11.62	106	734195	39.699	ug/l	100
69) o-Xylene	11.95	106	363130	20.462	ug/l	100
70) Styrene	11.96	104	584606	20.202	ug/l	99
71) Bromoform	12.13	173	134683	18.952	ug/l #	99
73) Isopropylbenzene	12.25	105	956646	23.115	ug/l	100
74) N-amyl acetate	12.07	43	267734	23.301	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	203803	25.101	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	263378	29.579	ug/l #	100
77) Bromobenzene	12.53	156	242632	22.554	ug/l	97
78) n-propylbenzene	12.59	91	1037888	22.020	ug/l	100
79) 2-Chlorotoluene	12.67	91	621663	21.278	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	725478	21.507	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57216	20.711	ug/l	100
82) 4-Chlorotoluene	12.77	91	619533	21.662	ug/l	100
83) tert-Butylbenzene	12.99	119	650840	21.816	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	725144	21.384	ug/l	100
85) sec-Butylbenzene	13.17	105	839295	20.799	ug/l	99
86) p-Isopropyltoluene	13.29	119	707888	20.302	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	387963	20.376	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	380427	19.730	ug/l	99
89) n-Butylbenzene	13.62	91	558761	18.627	ug/l	100
90) Hexachloroethane	13.88	117	110459	20.643	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	365574	20.401	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27714	19.741	ug/l	97

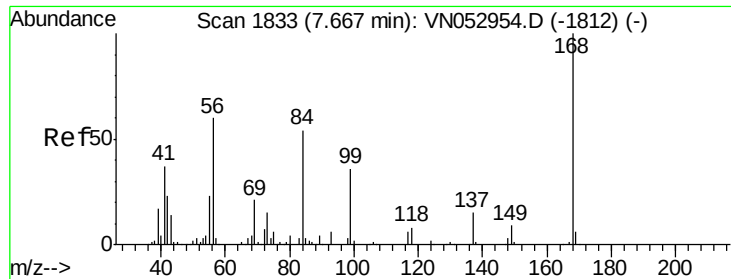
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122718\
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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	172401	18.539	ug/l	99
94) Hexachlorobutadiene	15.01	225	107217	20.093	ug/l	99
95) Naphthalene	15.13	128	372412	18.643	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	157859	18.785	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

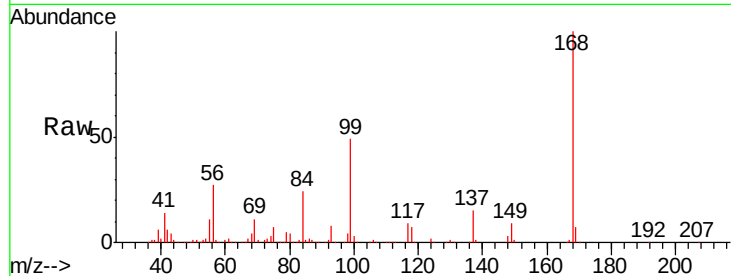
VN1227WBSD01

Tgt Ion:168 Resp: 939529

Ion Ratio Lower Upper

168 100

99 49.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

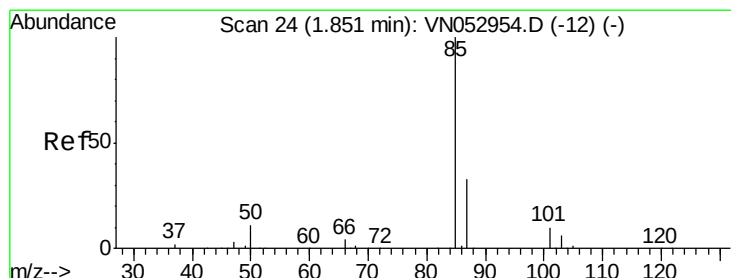
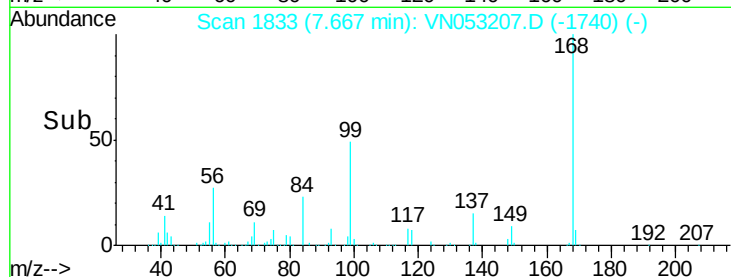
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.124 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053207.D

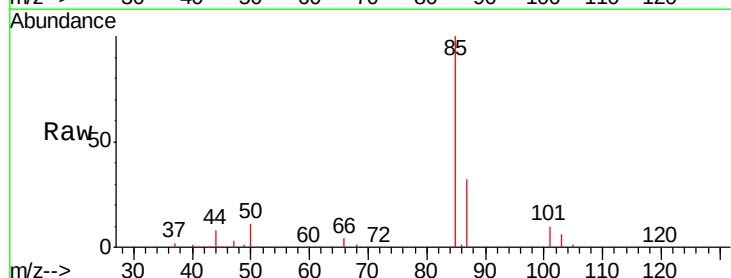
Acq: 27 Dec 2018 12:50

Tgt Ion: 85 Resp: 172338

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

150000

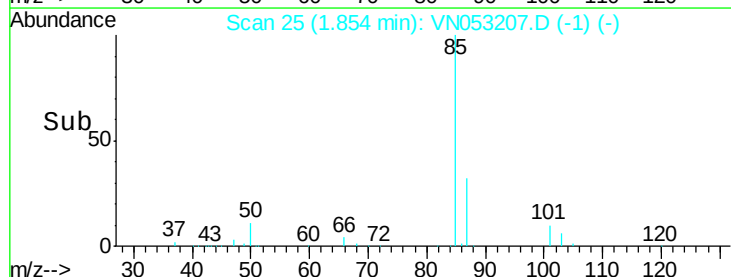
100000

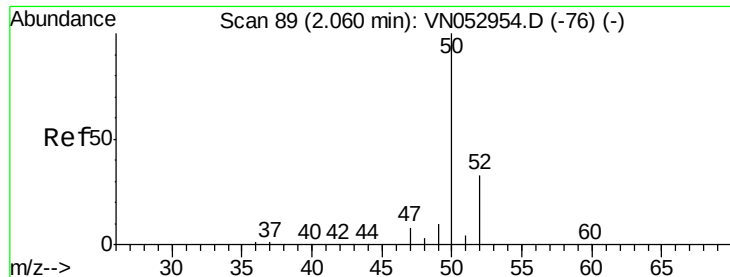
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.813 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

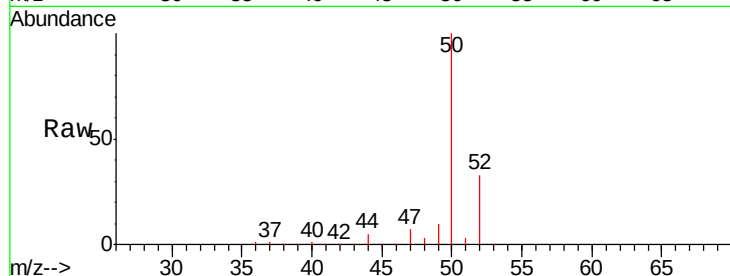
VN1227WBSD01

Tgt Ion: 50 Resp: 216774

Ion Ratio Lower Upper

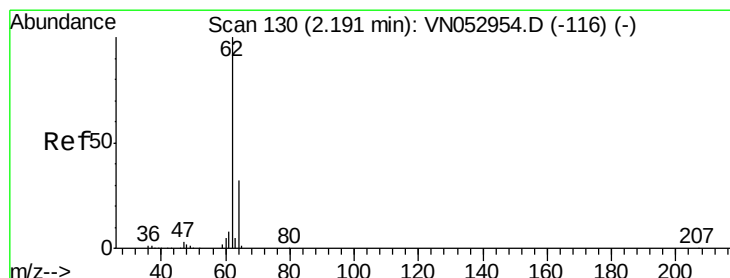
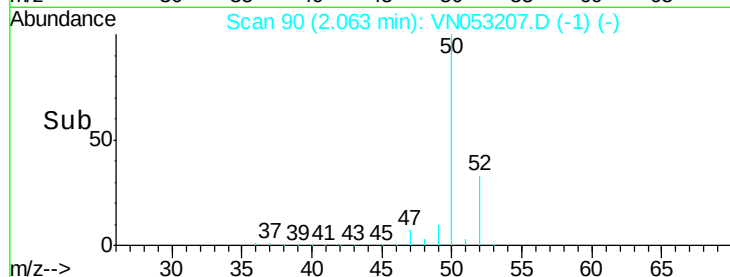
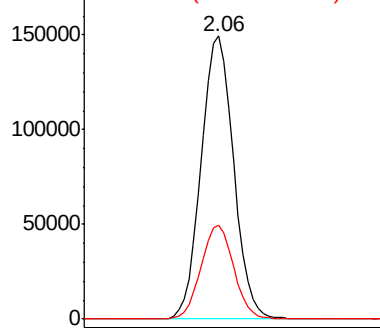
50 100

52 33.2 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.318 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053207.D

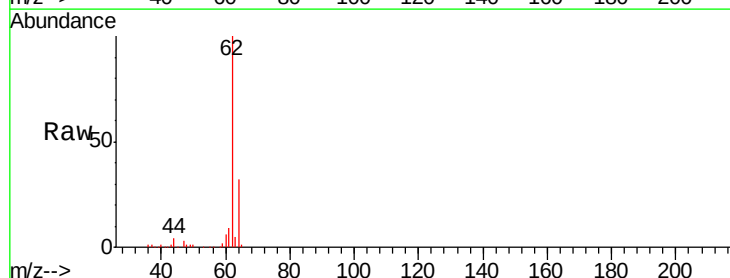
Acq: 27 Dec 2018 12:50

Tgt Ion: 62 Resp: 225438

Ion Ratio Lower Upper

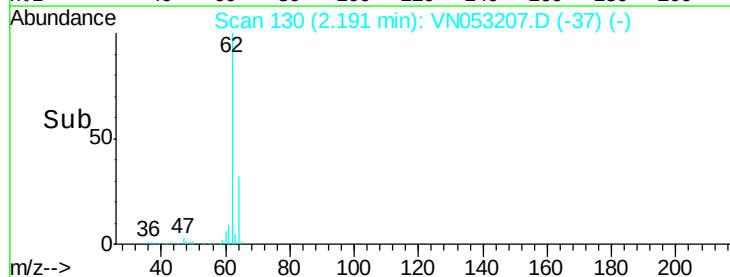
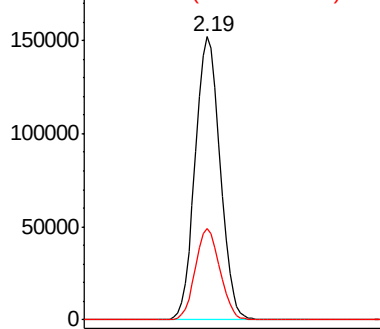
62 100

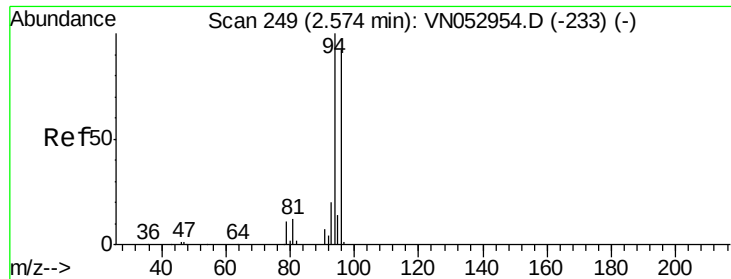
64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 17.978 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

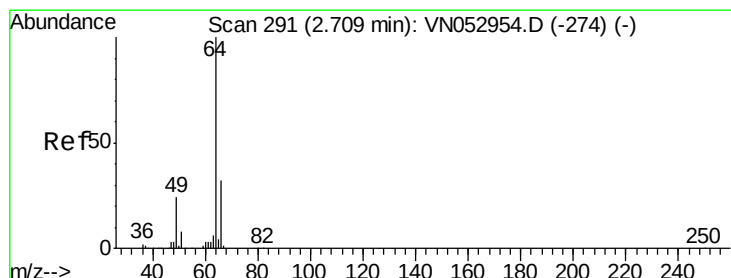
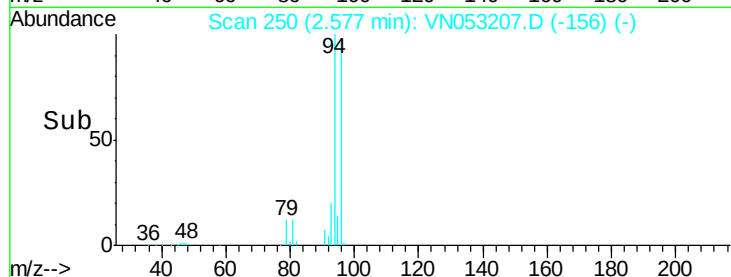
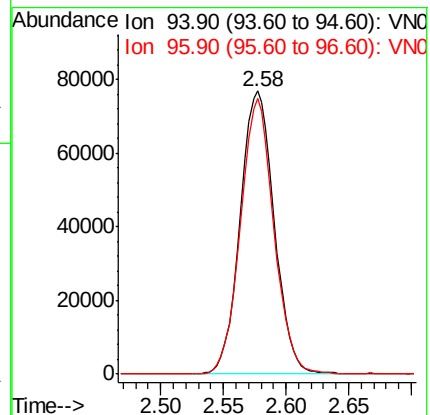
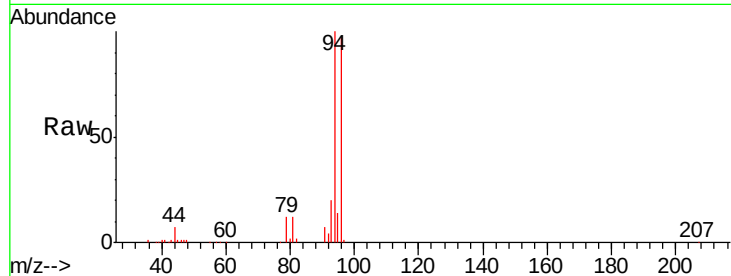
VN1227WBSD01

Tgt Ion: 94 Resp: 145355

Ion Ratio Lower Upper

94 100

96 97.2 75.0 112.4



#6

Chloroethane

Concen: 19.713 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053207.D

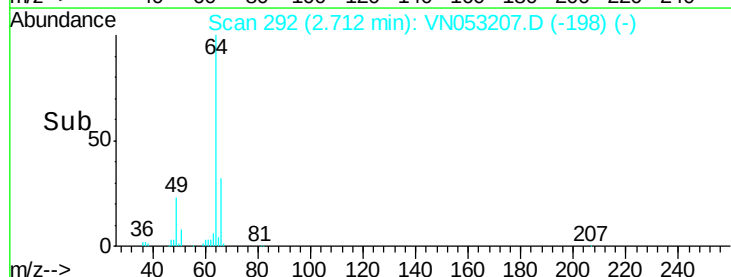
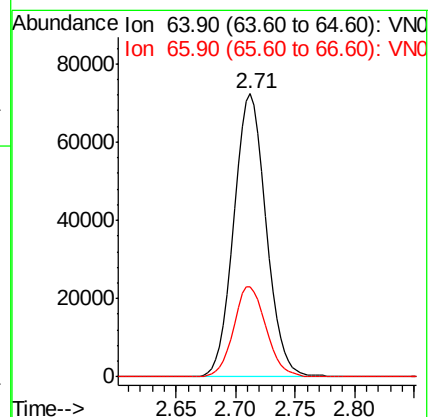
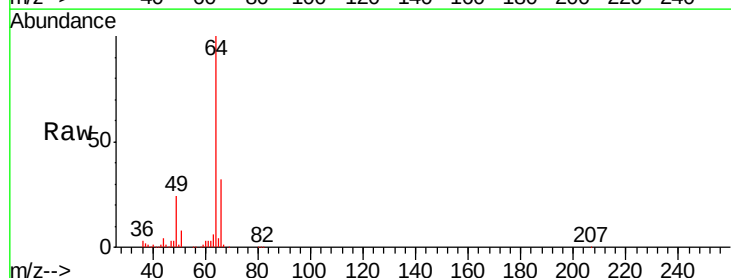
Acq: 27 Dec 2018 12:50

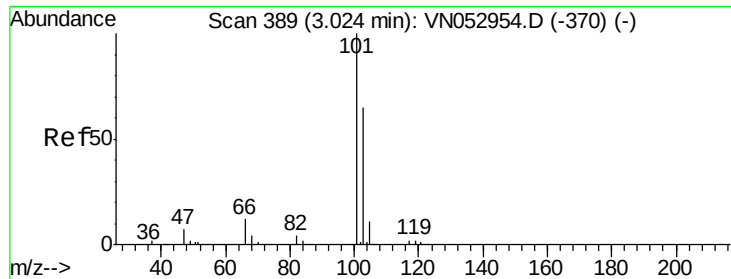
Tgt Ion: 64 Resp: 136248

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2



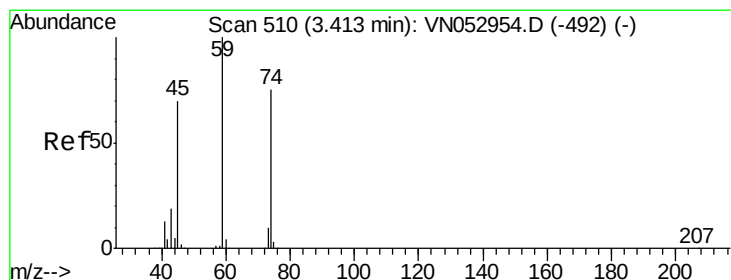
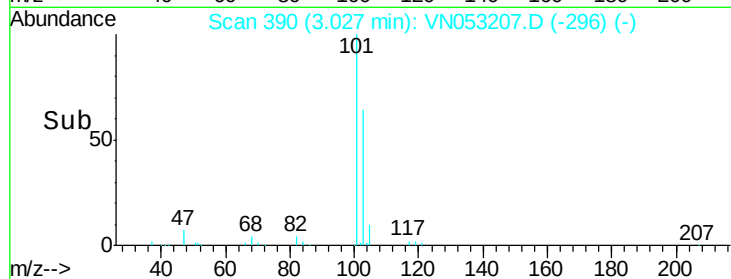
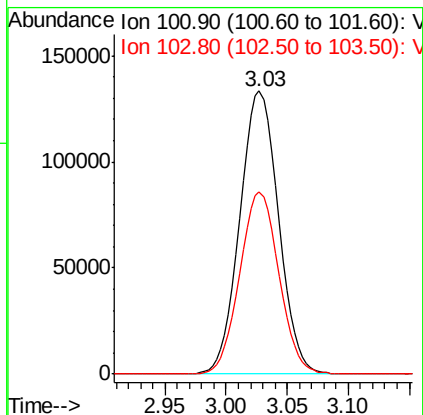
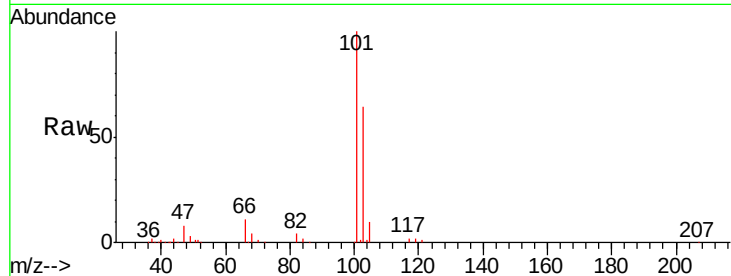


#7

Trichlorofluoromethane
 Concen: 20.154 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN1227WBSD01

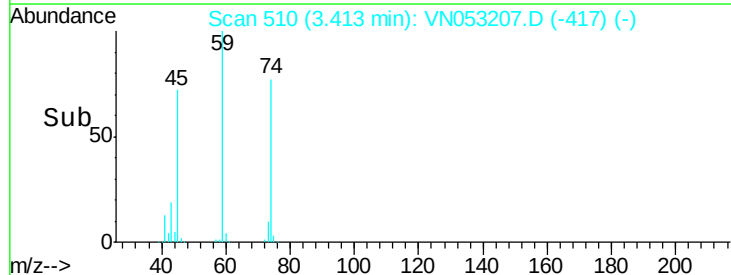
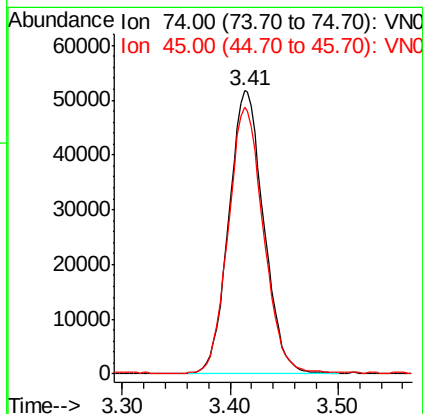
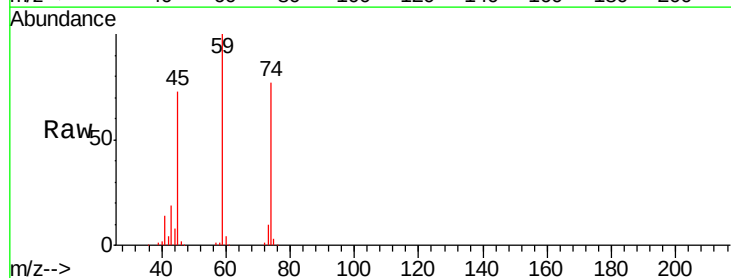
Tgt Ion:101 Resp: 292987
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.8 77.6

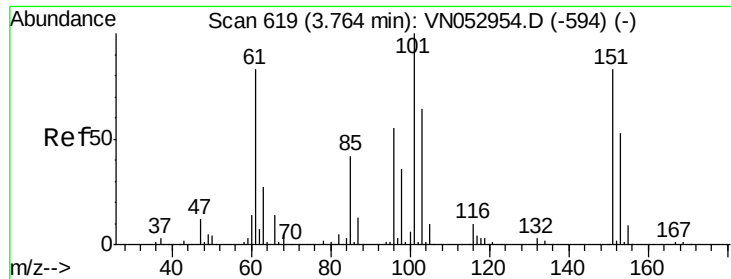


#8

Diethyl Ether
 Concen: 21.284 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion: 74 Resp: 116729
 Ion Ratio Lower Upper
 74 100
 45 95.1 49.4 148.0

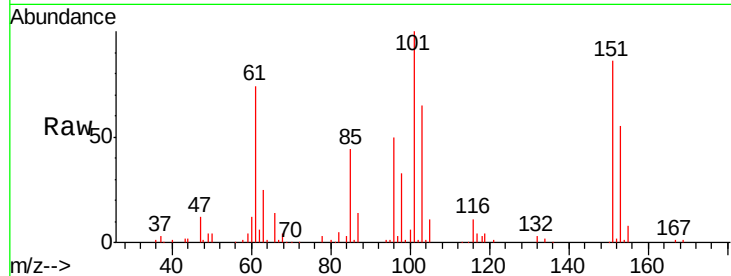




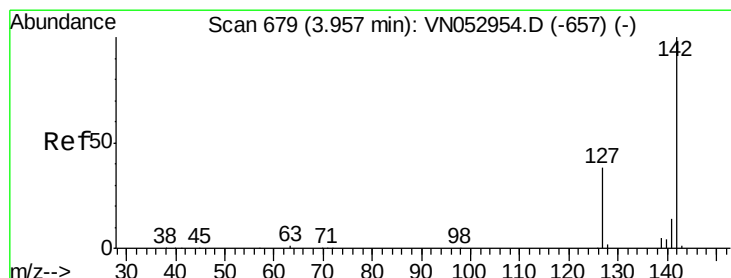
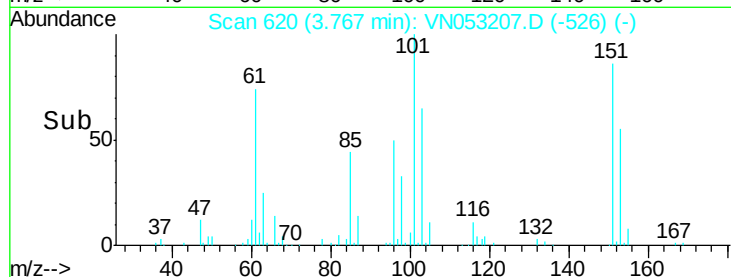
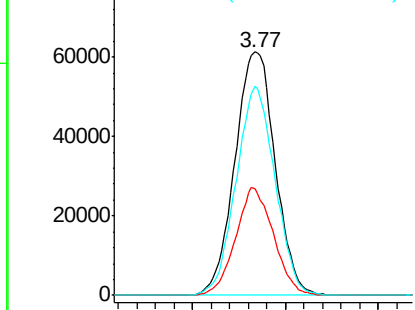
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.970 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Tgt Ion:101 Resp: 185102
 Ion Ratio Lower Upper
 101 100
 85 41.5 33.6 50.4
 151 83.0 65.5 98.3

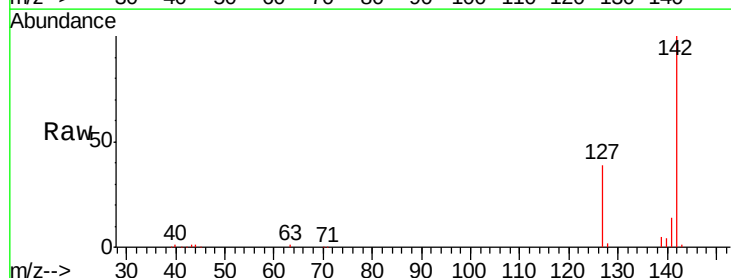


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

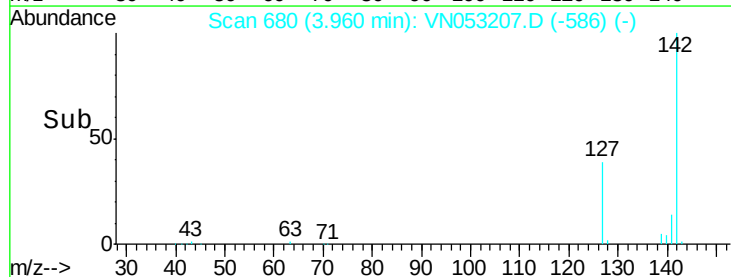
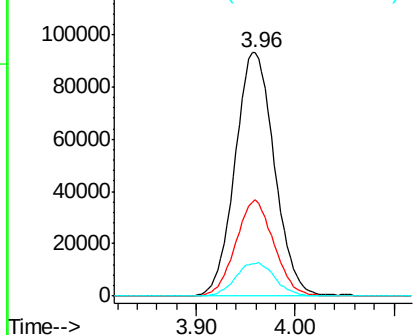


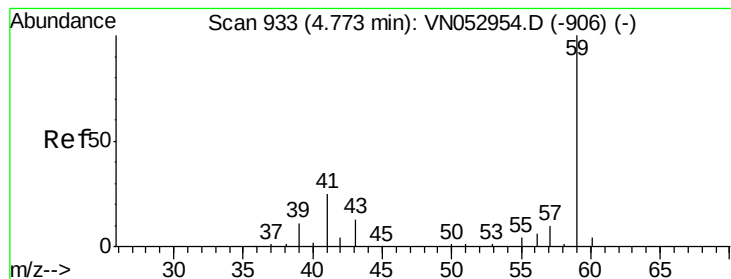
#10
 Methyl Iodide
 Concen: 19.800 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion:142 Resp: 257726
 Ion Ratio Lower Upper
 142 100
 127 38.4 31.0 46.6
 141 13.7 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: 99.253 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

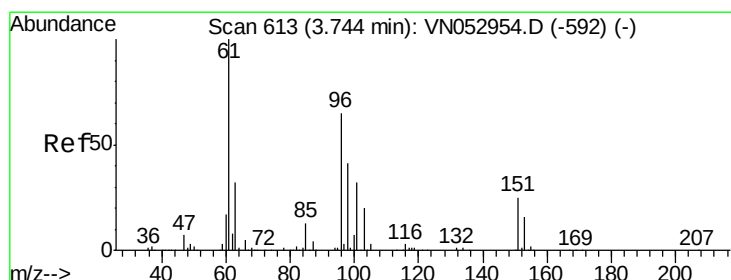
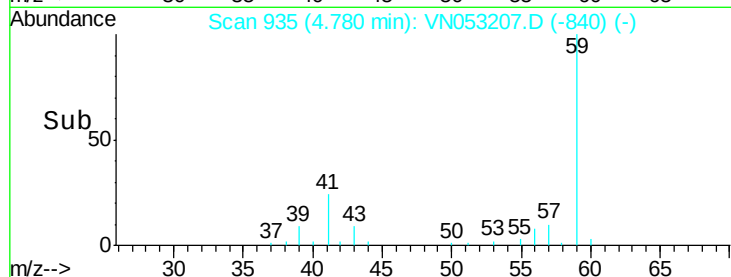
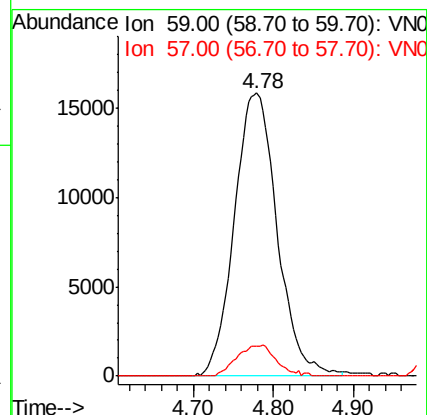
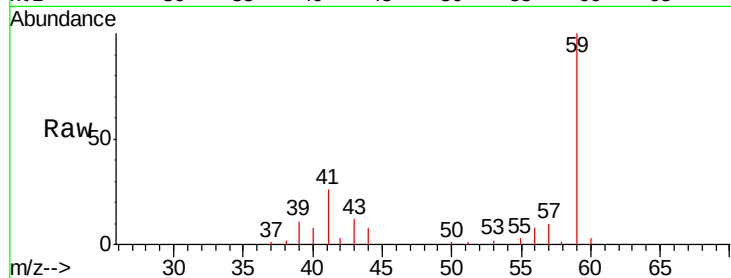
VN1227WBSD01

Tgt Ion: 59 Resp: 57741

Ion Ratio Lower Upper

59 100

57 9.9 7.7 11.5



#12

1,1-Dichloroethene

Concen: 20.316 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

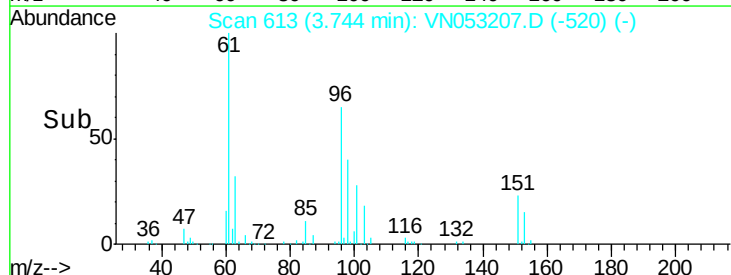
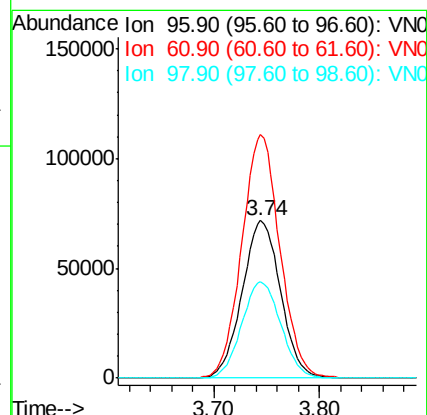
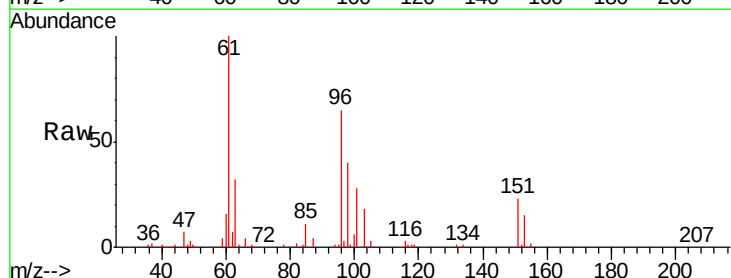
Tgt Ion: 96 Resp: 181925

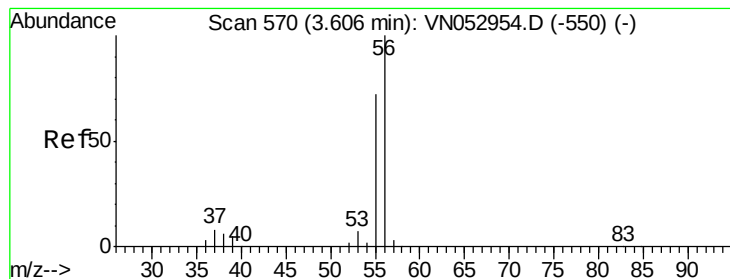
Ion Ratio Lower Upper

96 100

61 154.8 125.6 188.4

98 61.3 50.6 75.8





#13

Acrolein

Concen: 105.771 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

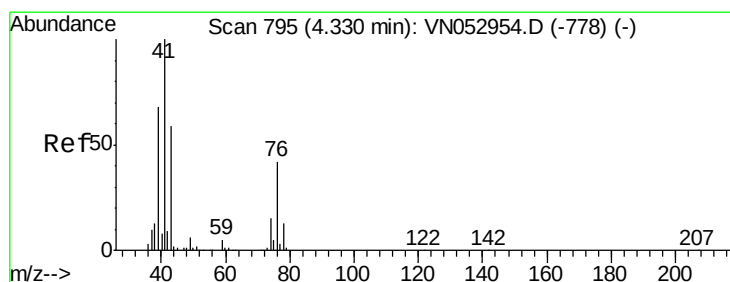
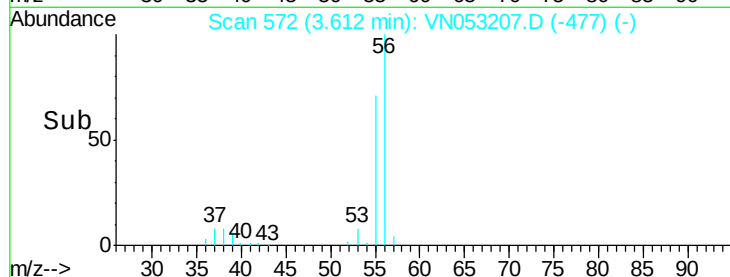
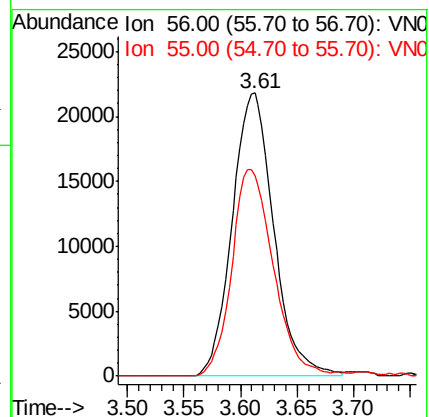
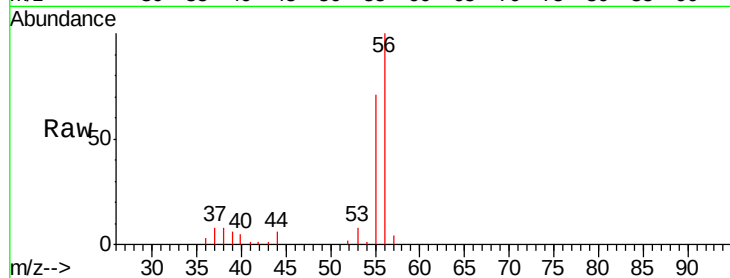
VN1227WBSD01

Tgt Ion: 56 Resp: 55794

Ion Ratio Lower Upper

56 100

55 73.0 56.6 85.0



#14

Allyl chloride

Concen: 21.686 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

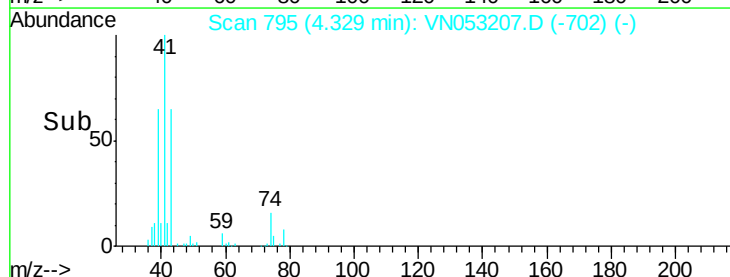
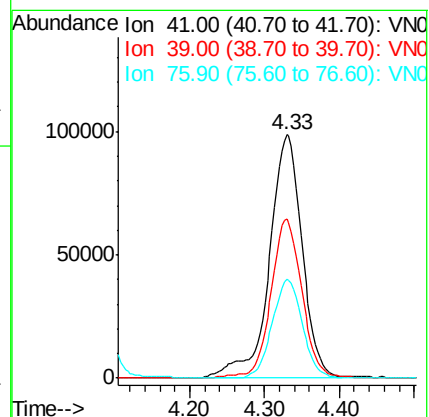
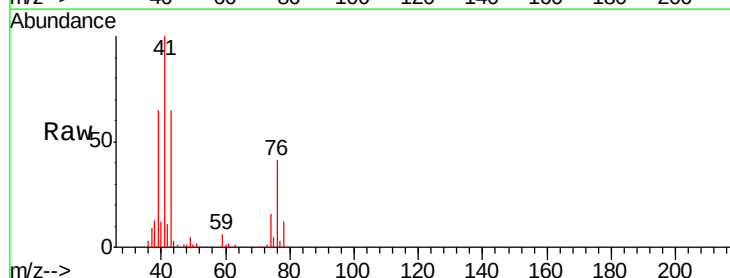
Tgt Ion: 41 Resp: 300810

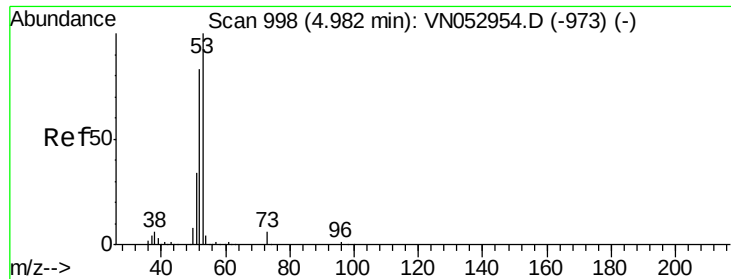
Ion Ratio Lower Upper

41 100

39 62.0 54.1 81.1

76 37.7 30.3 45.5





#15

Acrylonitrile

Concen: 106.725 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampled :

VN1227WBSD01

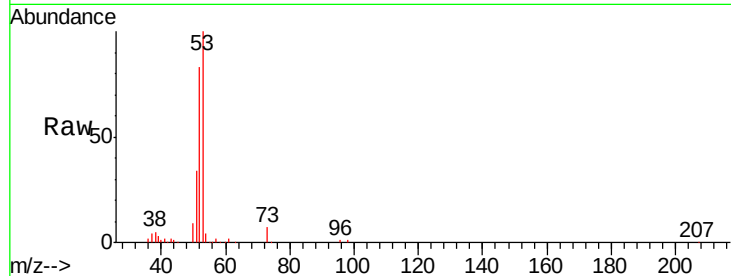
Tgt Ion: 53 Resp: 344928

Ion Ratio Lower Upper

53 100

52 81.9 65.1 97.7

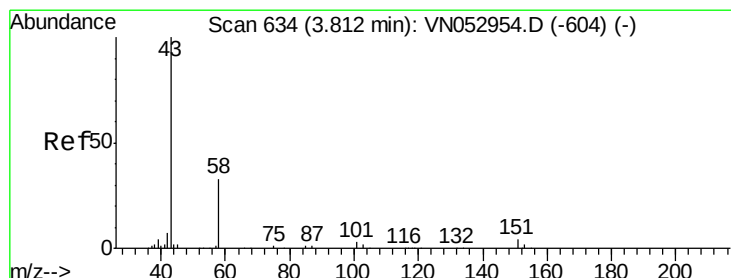
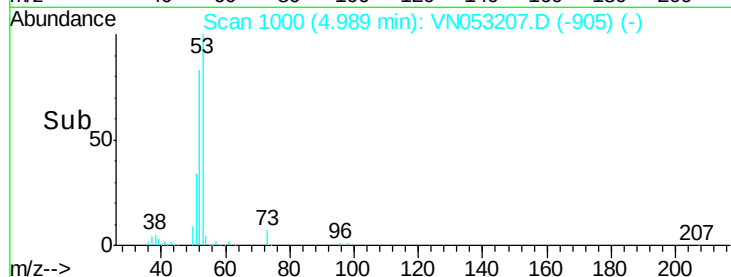
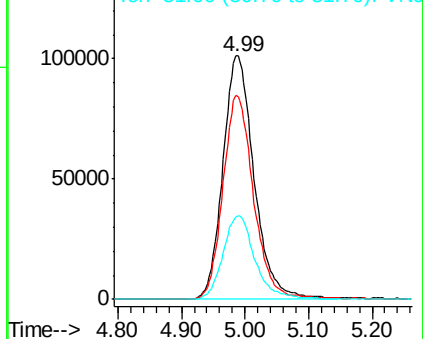
51 35.2 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 113.854 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053207.D

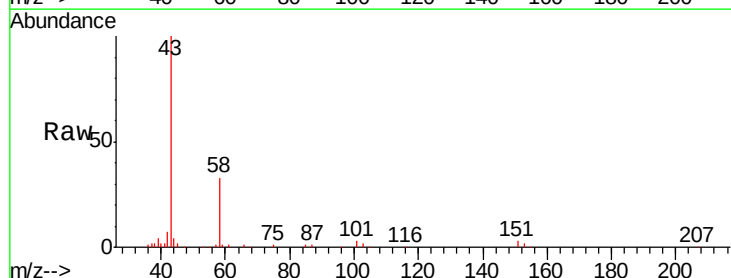
Acq: 27 Dec 2018 12:50

Tgt Ion: 43 Resp: 212839

Ion Ratio Lower Upper

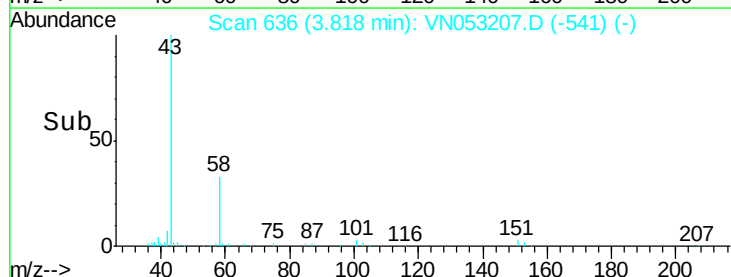
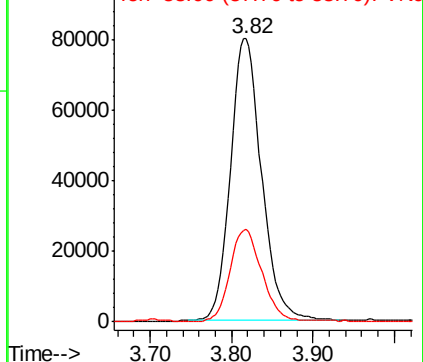
43 100

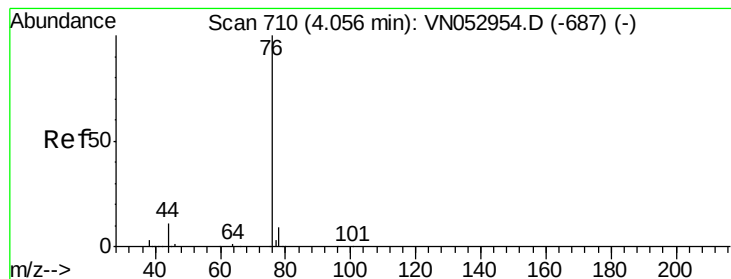
58 32.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.443 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

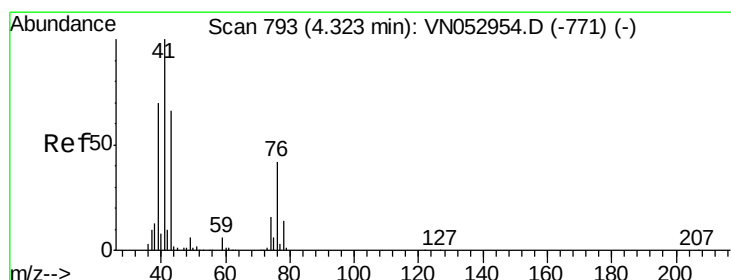
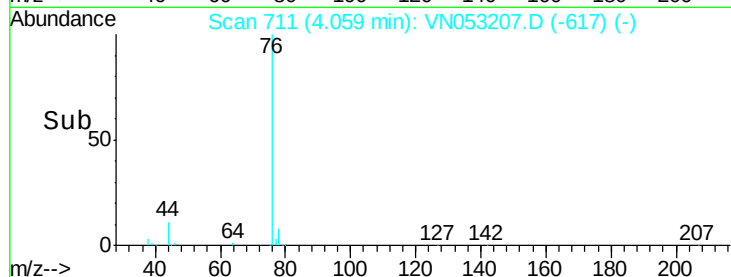
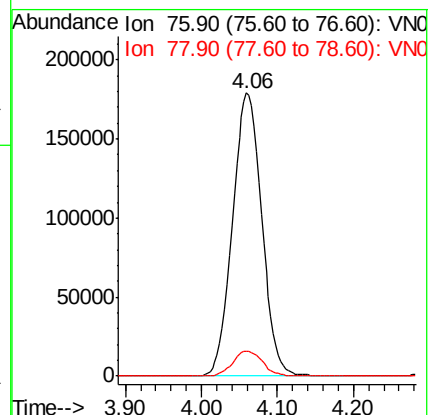
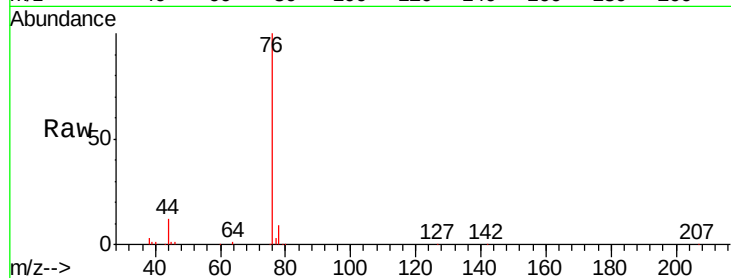
VN1227WBSD01

Tgt Ion: 76 Resp: 480219

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



#18

Methyl Acetate

Concen: 23.041 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053207.D

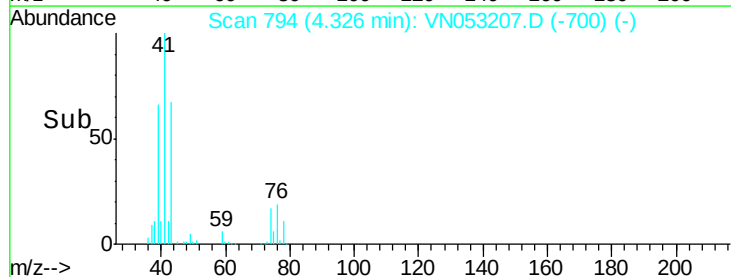
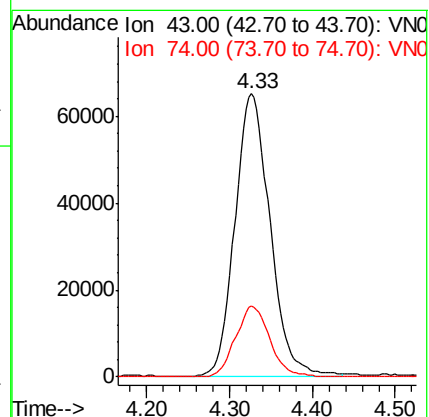
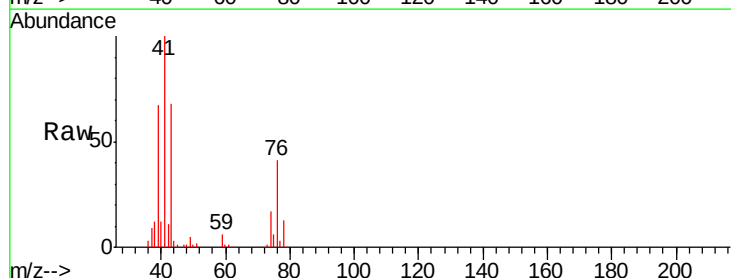
Acq: 27 Dec 2018 12:50

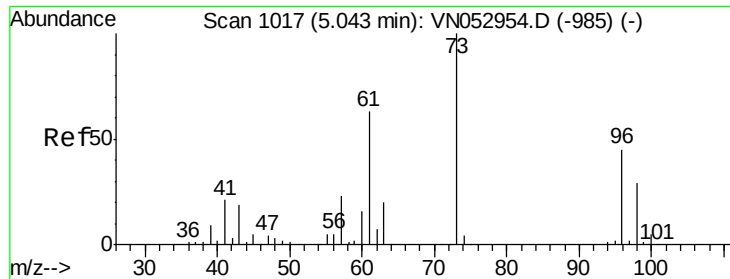
Tgt Ion: 43 Resp: 190868

Ion Ratio Lower Upper

43 100

74 24.6 19.2 28.8

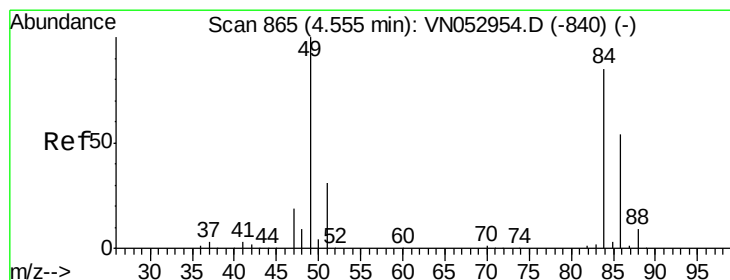
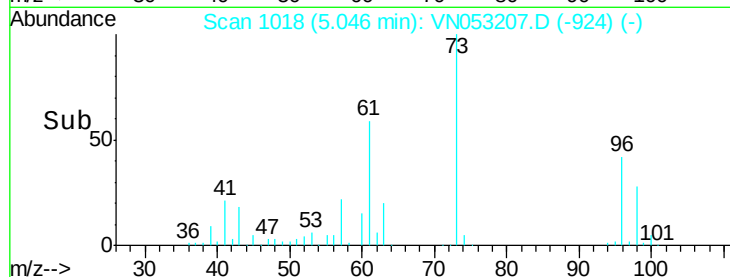
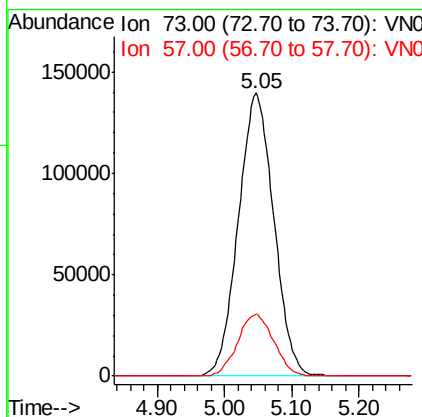
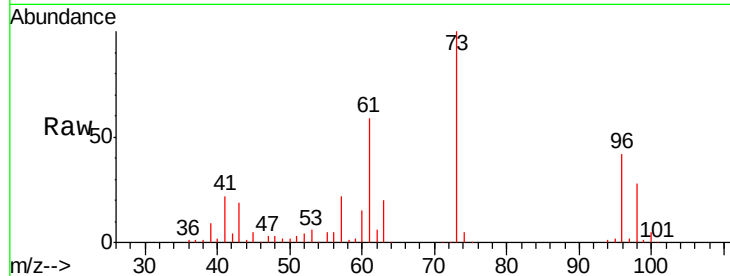




#19
Methyl tert-butyl Ether
Concen: 21.291 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

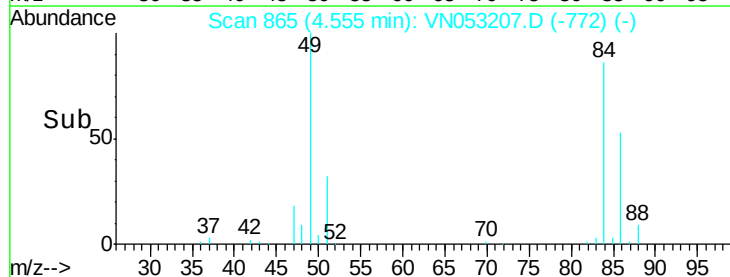
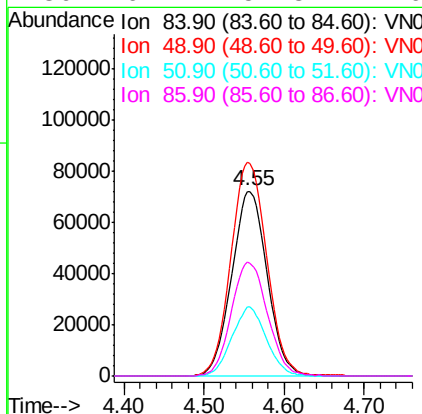
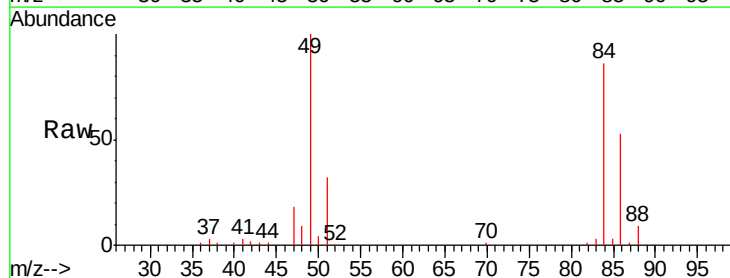
Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

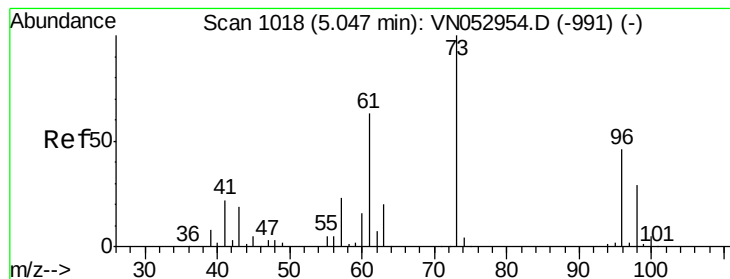
Tgt Ion: 73 Resp: 510230
Ion Ratio Lower Upper
73 100
57 21.9 18.4 27.6



#20
Methylene Chloride
Concen: 21.219 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion: 84 Resp: 216375
Ion Ratio Lower Upper
84 100
49 115.6 96.8 145.2
51 37.3 29.9 44.9
86 61.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.866 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampled :

VN1227WBSD01

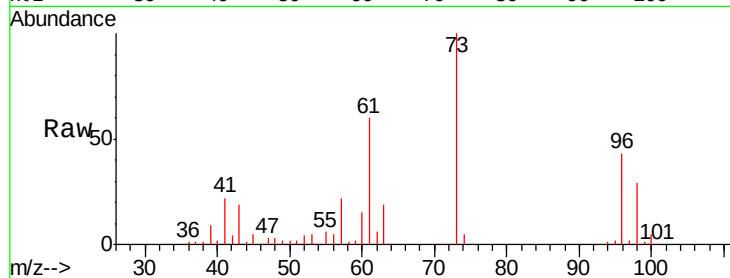
Tgt Ion: 96 Resp: 191138

Ion Ratio Lower Upper

96 100

61 137.8 110.8 166.2

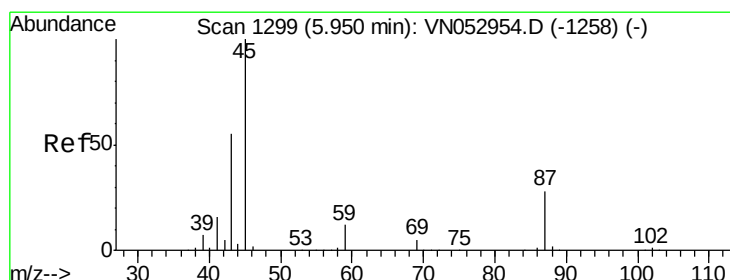
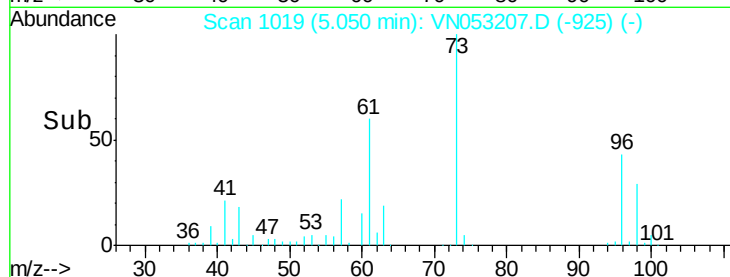
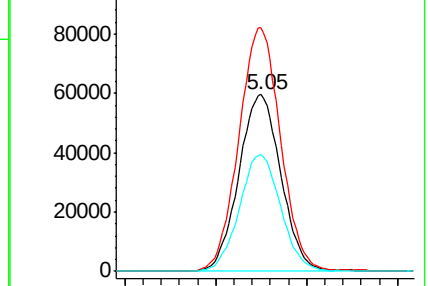
98 66.0 51.4 77.2



Abundance Ion 95.90 (95.60 to 96.60): VN053207.D (-1206) (-)

Ion 60.90 (60.60 to 61.60): VN053207.D (-1206) (-)

Ion 97.90 (97.60 to 98.60): VN053207.D (-1206) (-)



#22

Diisopropyl ether

Concen: 22.317 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Tgt Ion: 45 Resp: 660753

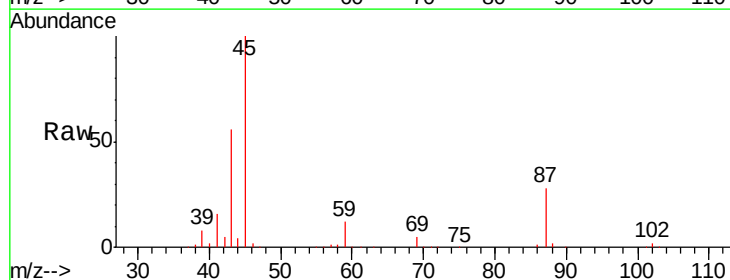
Ion Ratio Lower Upper

45 100

43 54.8 45.5 68.3

87 27.8 22.0 33.0

59 11.8 9.4 14.0

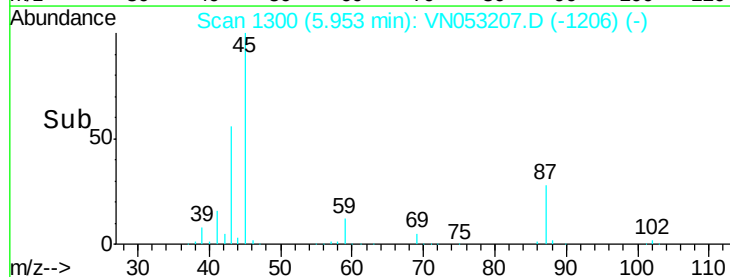
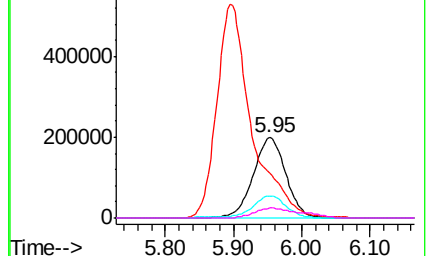


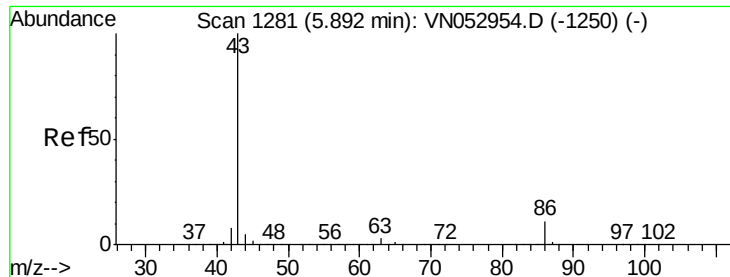
Abundance Ion 45.00 (44.70 to 45.70): VN053207.D (-1206) (-)

Ion 43.00 (42.70 to 43.70): VN053207.D (-1206) (-)

Ion 87.00 (86.70 to 87.70): VN053207.D (-1206) (-)

Ion 59.00 (58.70 to 59.70): VN053207.D (-1206) (-)





#23

Vinyl Acetate

Concen: 110.002 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

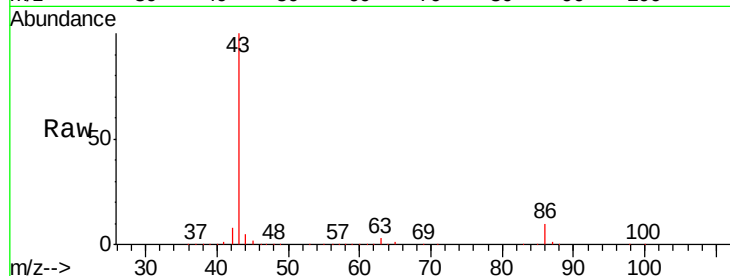
VN1227WBSD01

Tgt Ion: 43 Resp: 1872823

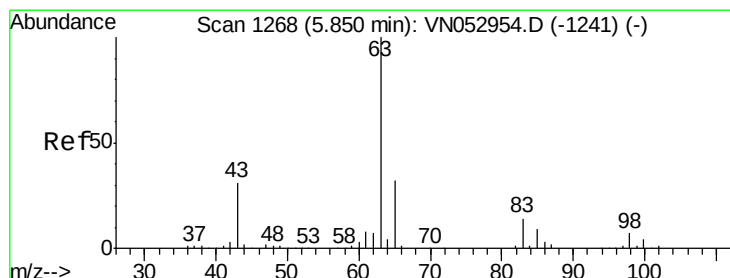
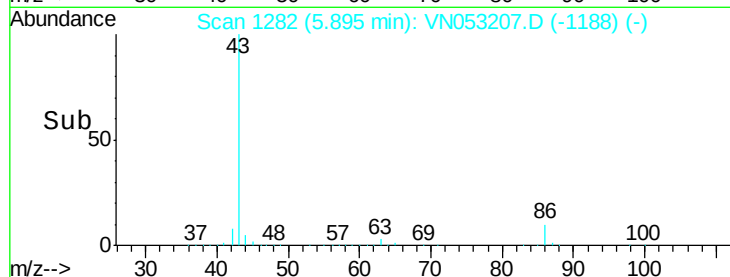
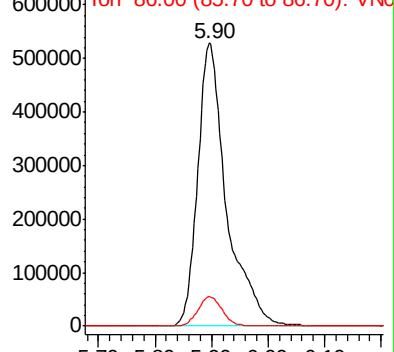
Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN053207.D (-1188) (-)



#24

1,1-Dichloroethane

Concen: 21.419 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

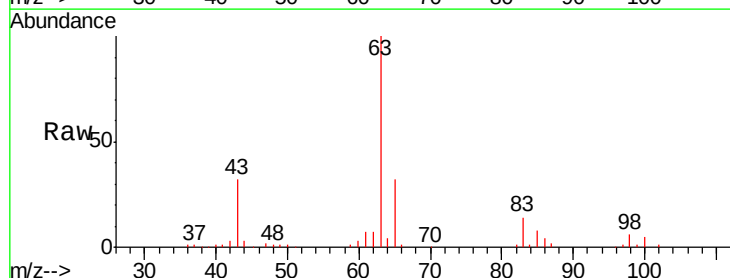
Tgt Ion: 63 Resp: 376843

Ion Ratio Lower Upper

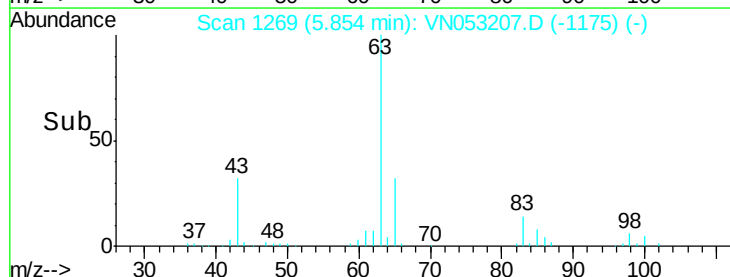
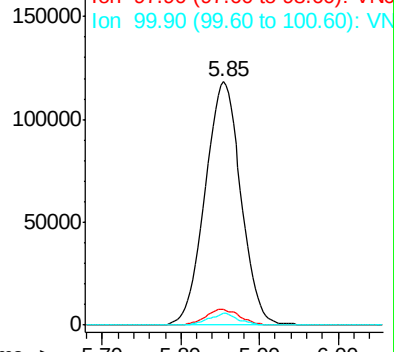
63 100

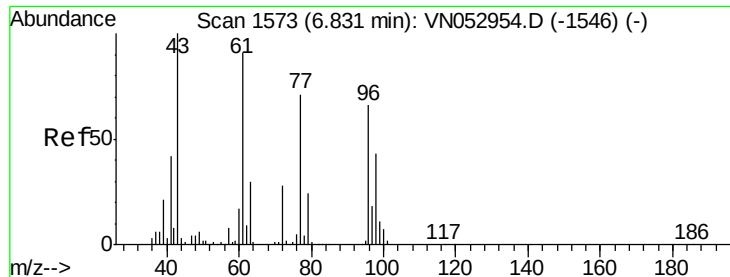
98 6.4 3.1 9.4

100 4.8 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN053207.D (-1175) (-)





#25

2-Butanone

Concen: 113.779 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

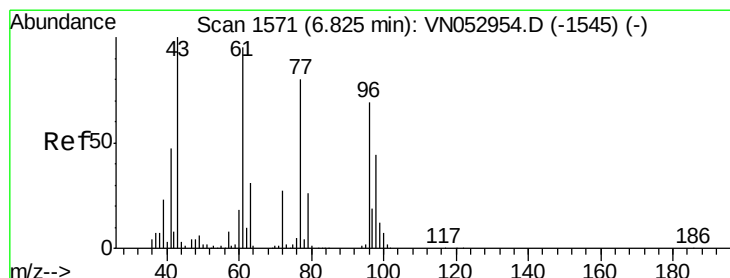
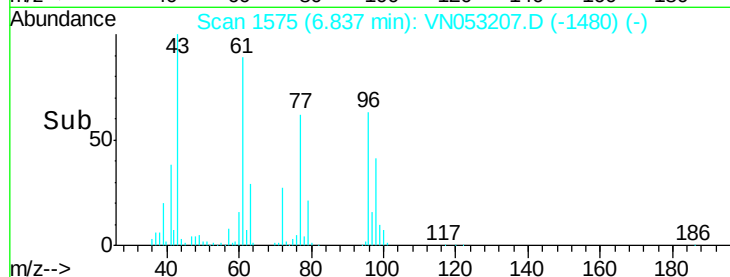
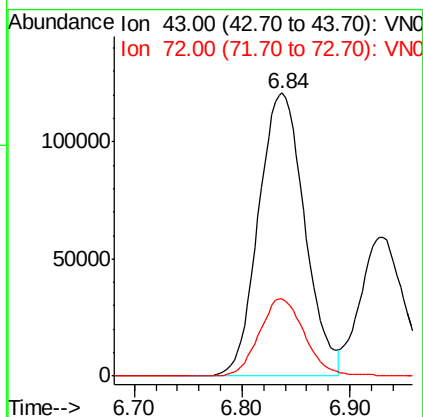
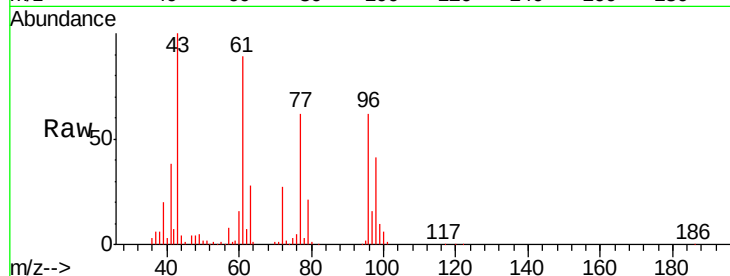
VN1227WBSD01

Tgt Ion: 43 Resp: 356961

Ion Ratio Lower Upper

43 100

72 27.2 21.0 31.6



#26

2,2-Dichloropropane

Concen: 19.300 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053207.D

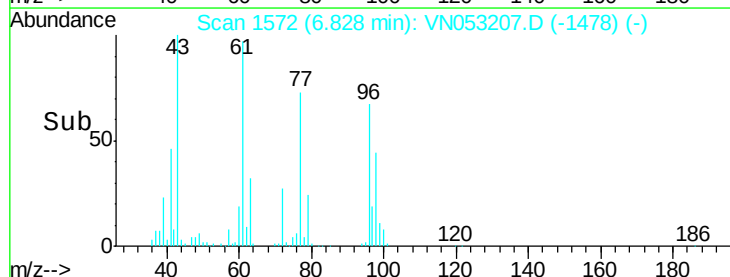
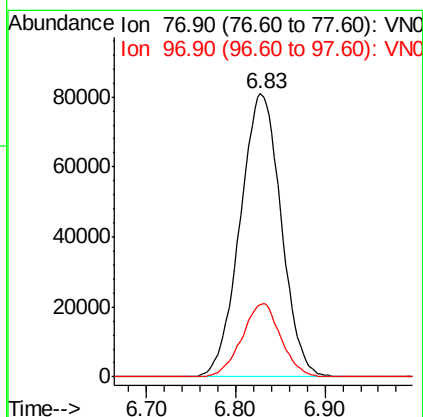
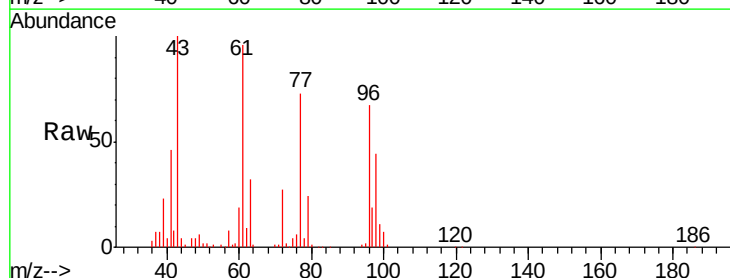
Acq: 27 Dec 2018 12:50

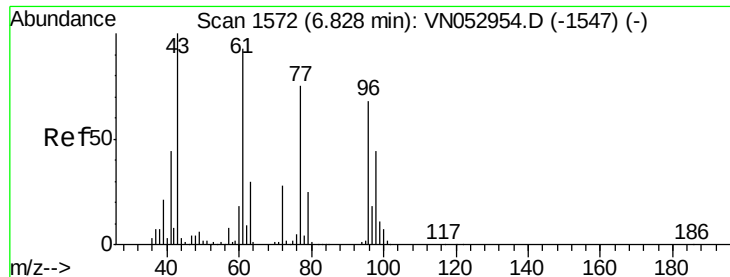
Tgt Ion: 77 Resp: 259213

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.877 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

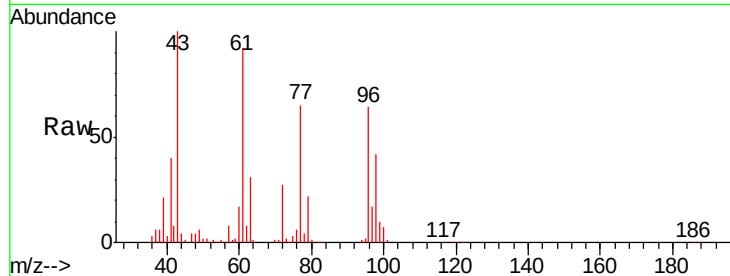
Tgt Ion: 96 Resp: 227397

Ion Ratio Lower Upper

96 100

61 143.3 0.0 284.2

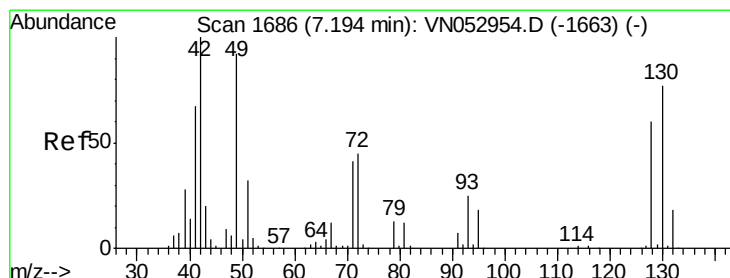
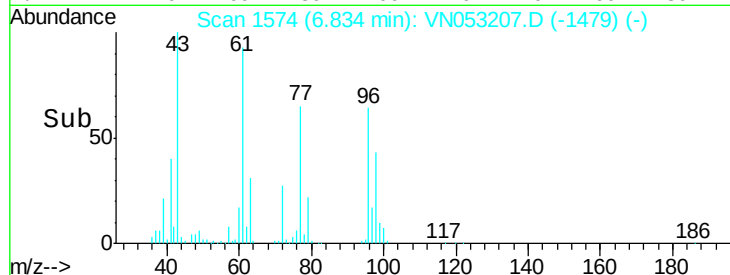
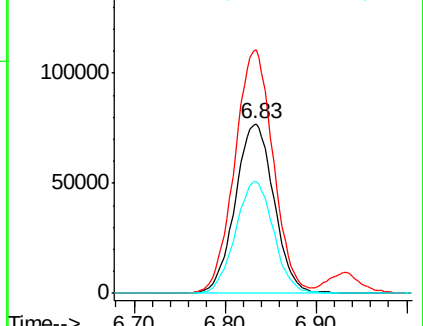
98 65.1 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053207.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053207.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053207.D (-1479) (-)



#28

Bromochloromethane

Concen: 22.554 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

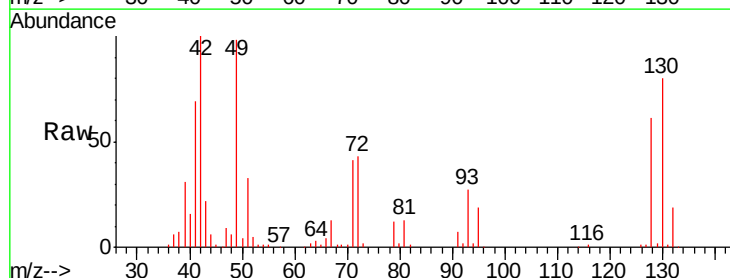
Tgt Ion: 49 Resp: 171945

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

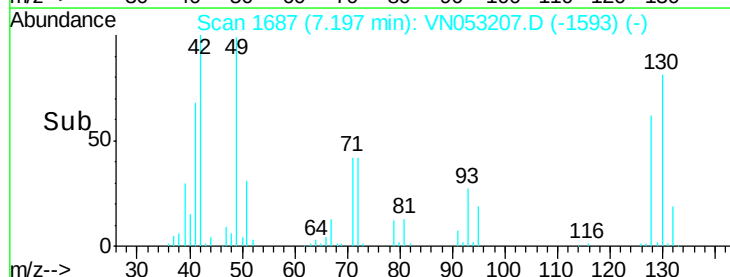
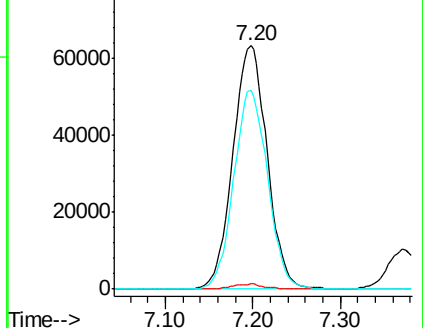
130 80.9 63.3 94.9

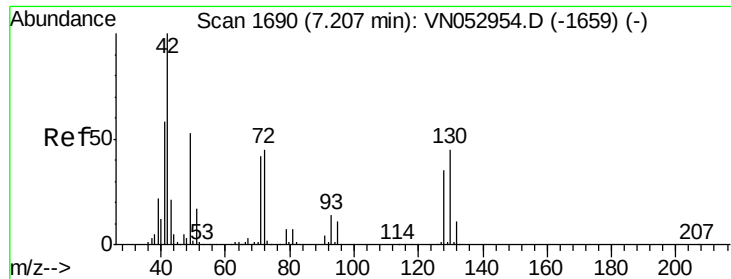


Abundance Ion 48.90 (48.60 to 49.60): VN053207.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053207.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053207.D (-1593) (-)

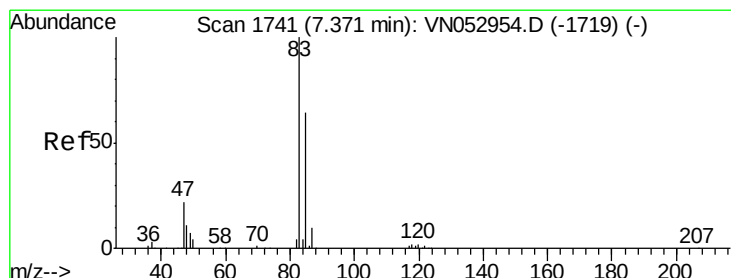
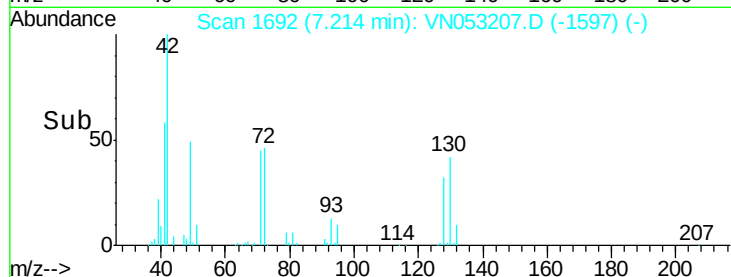
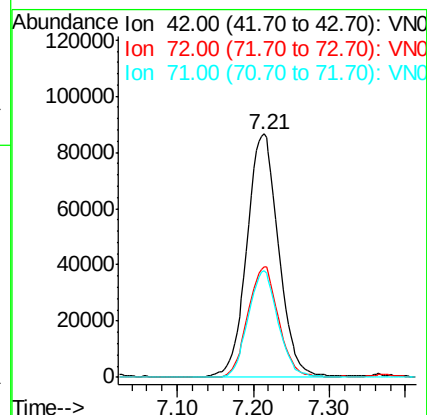
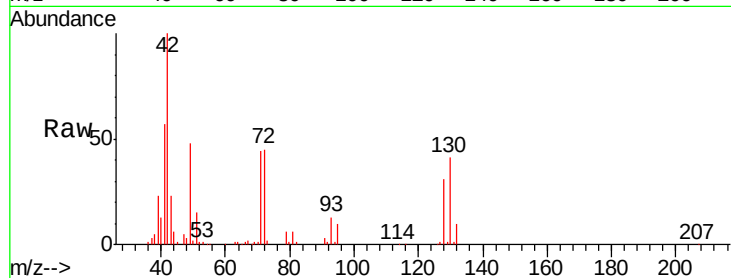




#29
Tetrahydrofuran
Concen: 107.676 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

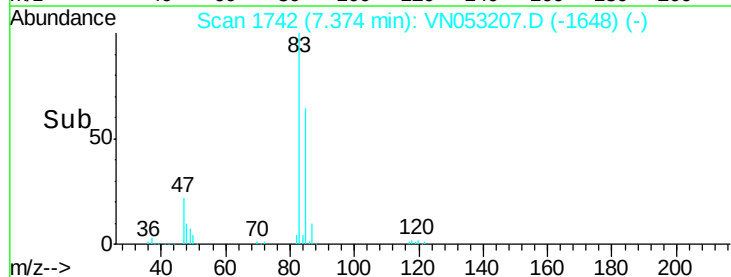
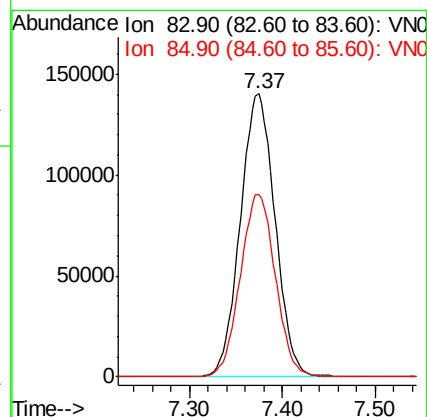
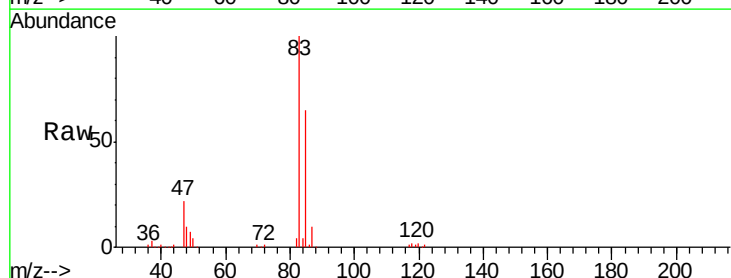
Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

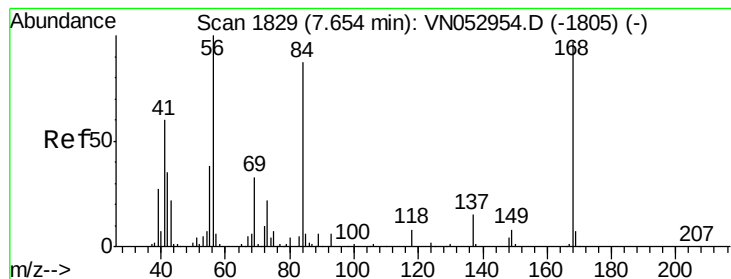
Tgt Ion: 42 Resp: 252303
Ion Ratio Lower Upper
42 100
72 43.7 34.7 52.1
71 41.2 32.3 48.5



#30
Chloroform
Concen: 21.145 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion: 83 Resp: 365456
Ion Ratio Lower Upper
83 100
85 64.6 52.1 78.1





#31

Cyclohexane

Concen: 20.239 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

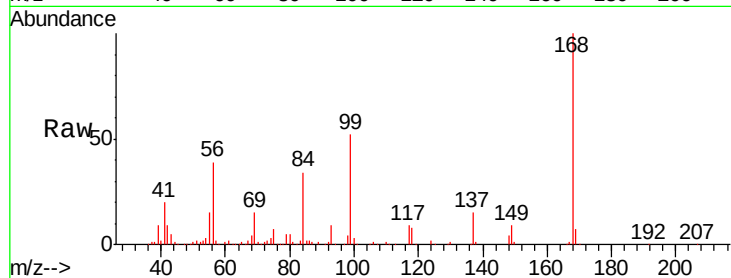
Tgt Ion: 56 Resp: 344290

Ion Ratio Lower Upper

56 100

69 37.4 26.6 39.8

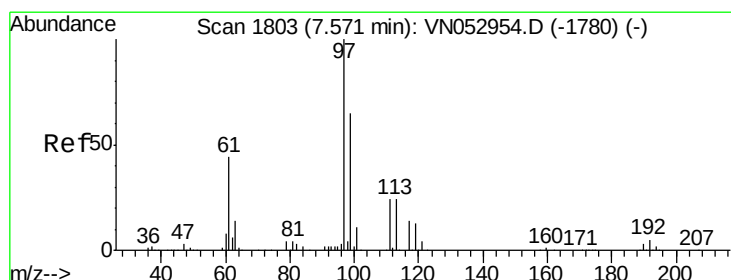
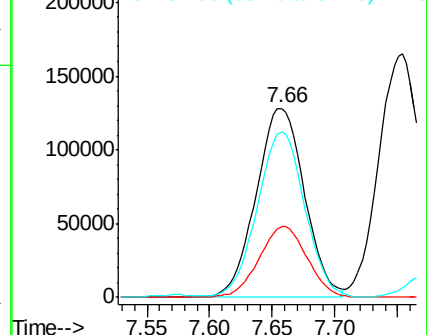
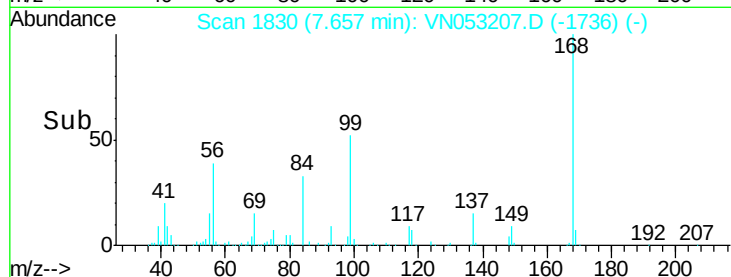
84 86.9 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.465 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

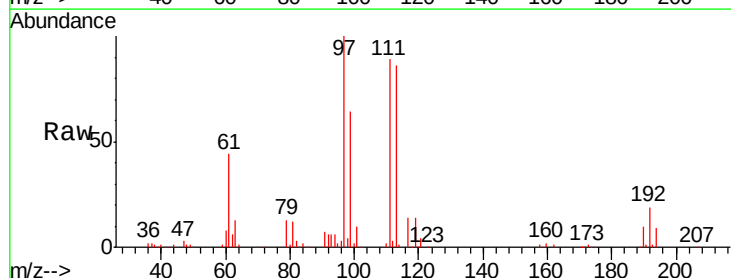
Tgt Ion: 97 Resp: 301301

Ion Ratio Lower Upper

97 100

99 64.7 51.1 76.7

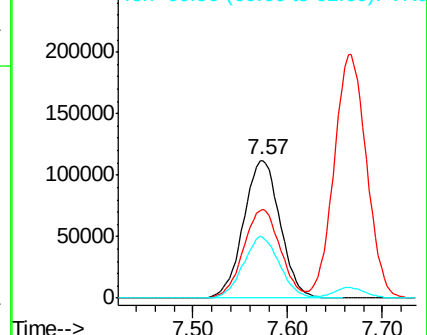
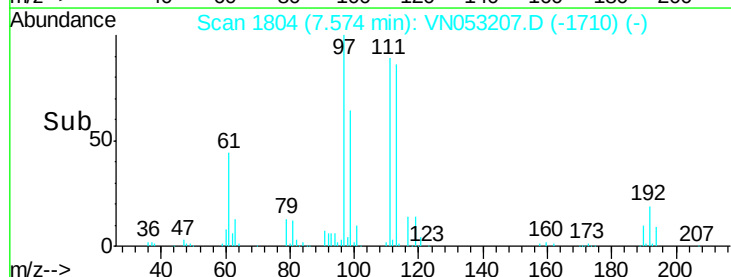
61 43.9 35.0 52.6

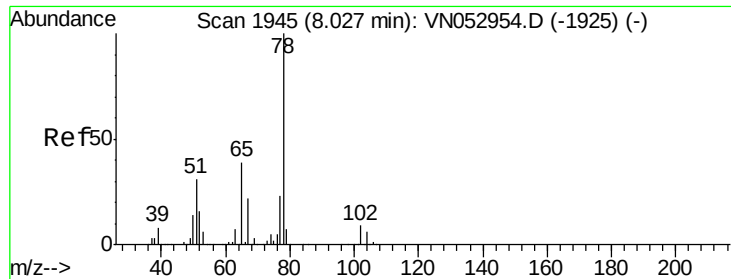


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

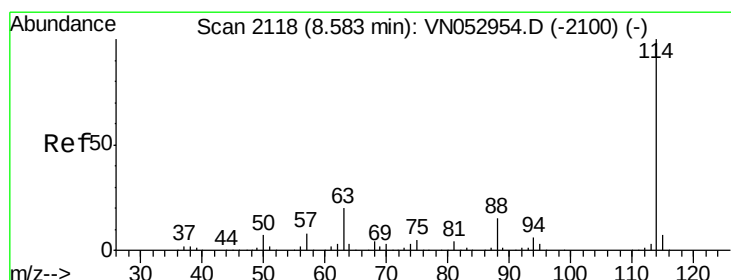
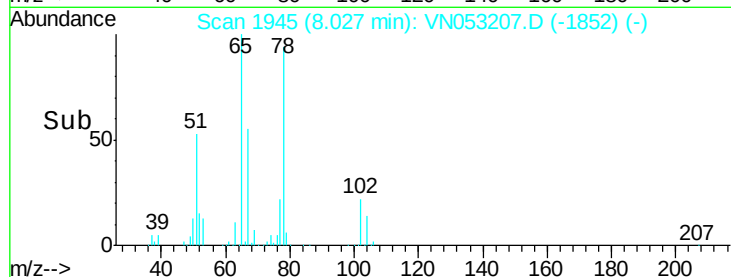
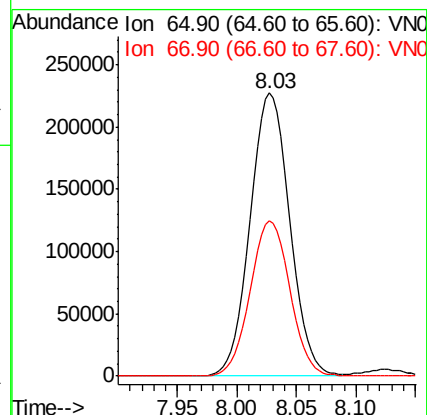
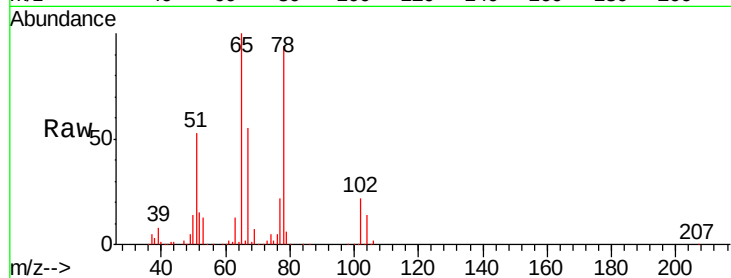




#33
 1,2-Dichloroethane-d4
 Concen: 20.465 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

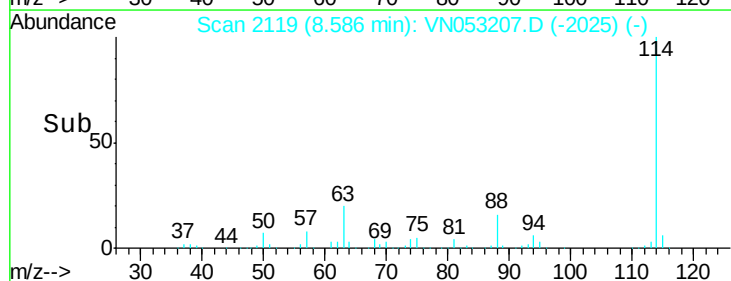
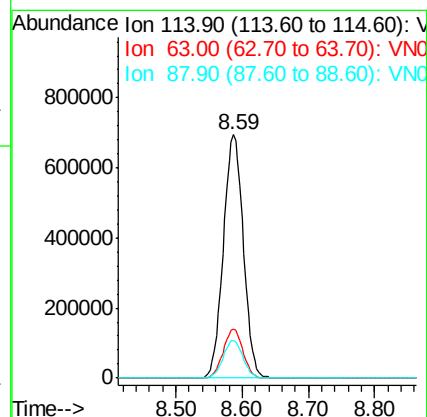
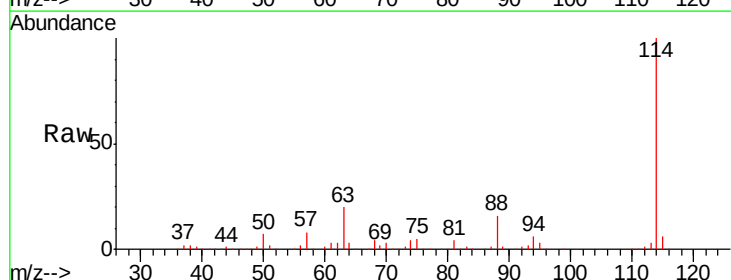
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

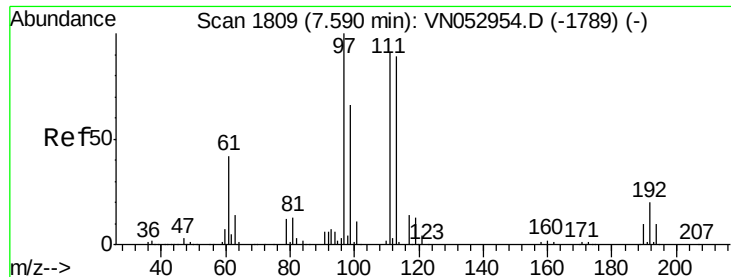
Tgt Ion: 65 Resp: 524915
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion: 114 Resp: 1453511
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.6 0.0 31.0

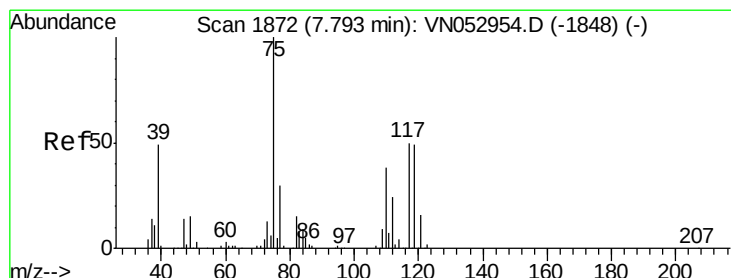
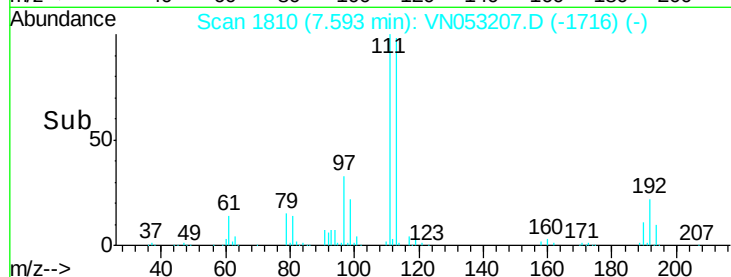
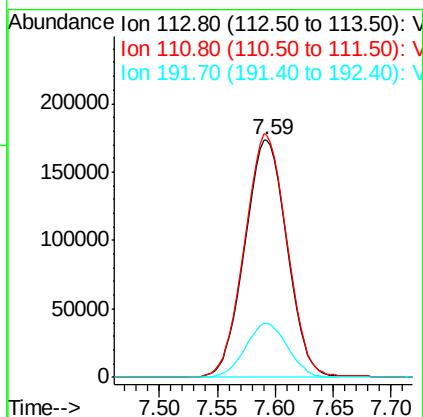
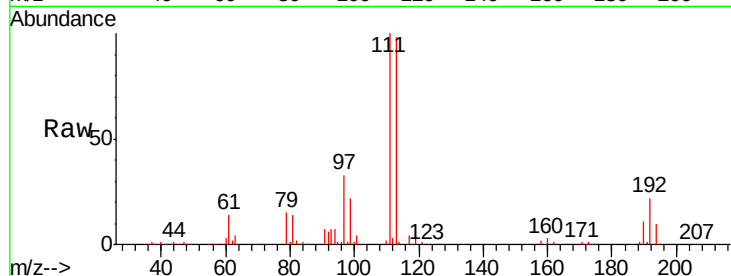




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

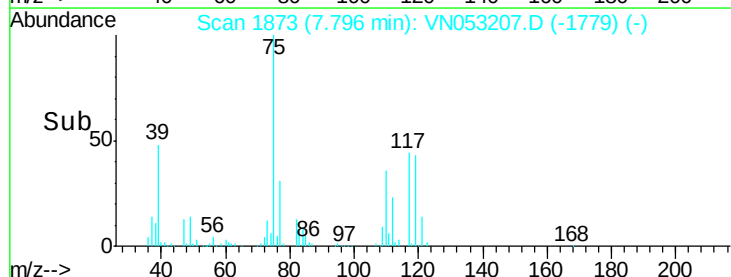
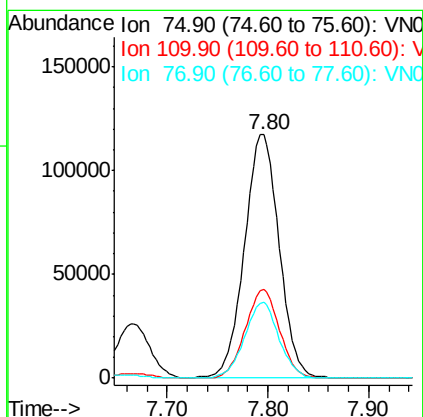
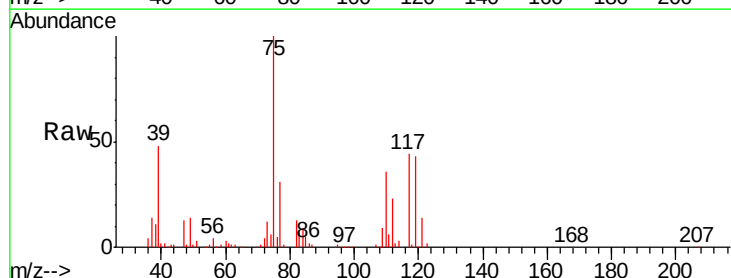
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

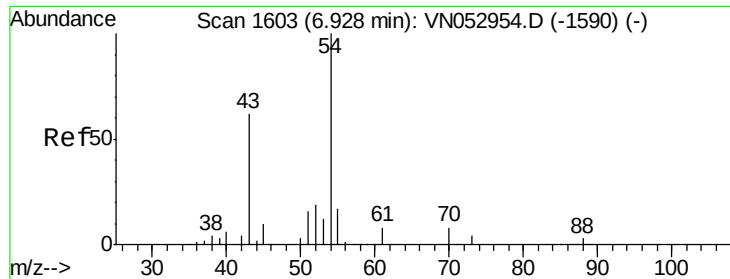
Tgt Ion: 113 Resp: 441006
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.0 124.4
 192 22.7 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 19.914 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion: 75 Resp: 277818
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.2 54.6
 77 31.0 24.9 37.3

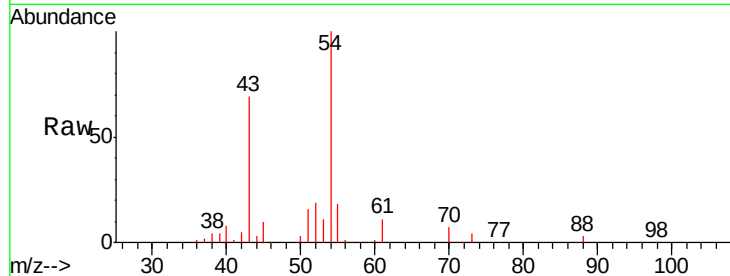




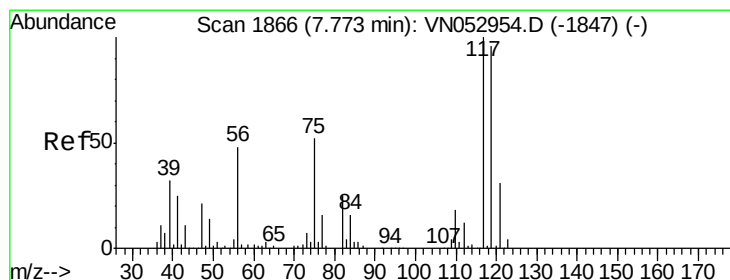
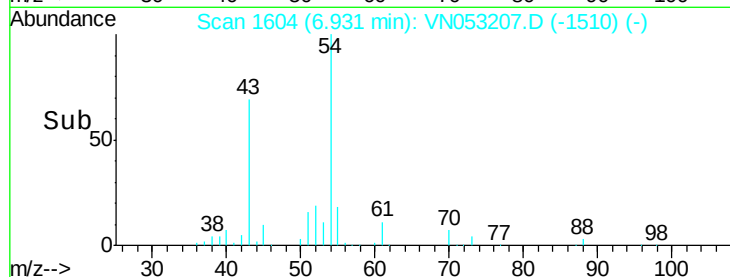
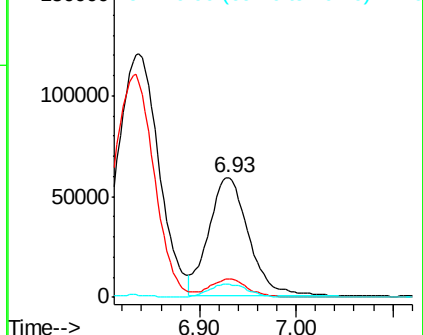
#37
 Ethyl Acetate
 Concen: 21.709 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

Tgt Ion: 43 Resp: 169074
 Ion Ratio Lower Upper
 43 100
 61 14.3 11.8 17.6
 70 10.5 8.4 12.6

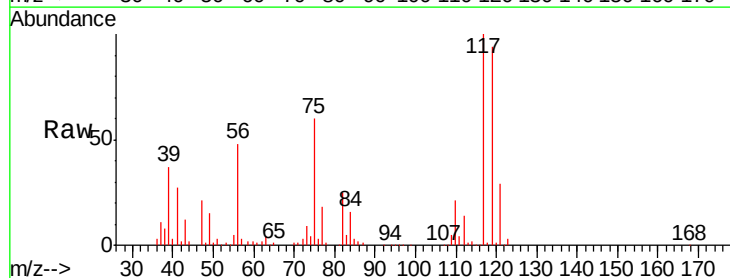


Abundance Ion 43.00 (42.70 to 43.70): VN053207.D (-1510) (-)
 Ion 60.90 (60.60 to 61.60): VN053207.D (-1510) (-)
 Ion 70.00 (69.70 to 70.70): VN053207.D (-1510) (-)

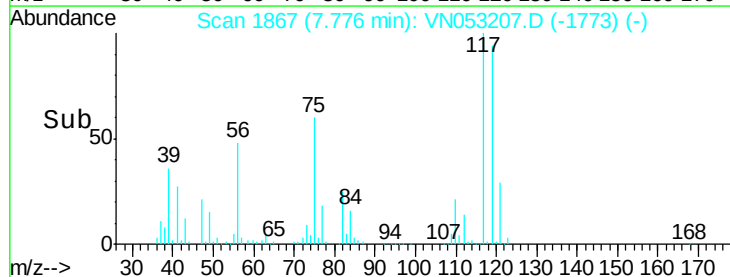
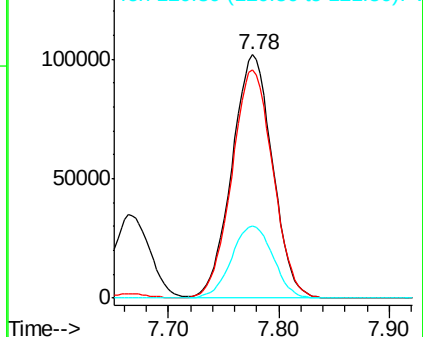


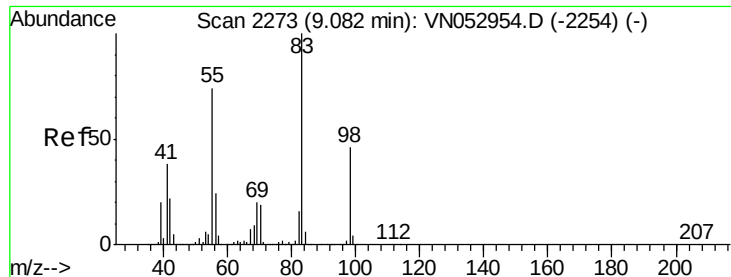
#38
 Carbon Tetrachloride
 Concen: 20.215 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion: 117 Resp: 258505
 Ion Ratio Lower Upper
 117 100
 119 93.5 77.1 115.7
 121 29.5 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): VN053207.D (-1773) (-)
 Ion 118.80 (118.50 to 119.50): VN053207.D (-1773) (-)
 Ion 120.80 (120.50 to 121.50): VN053207.D (-1773) (-)

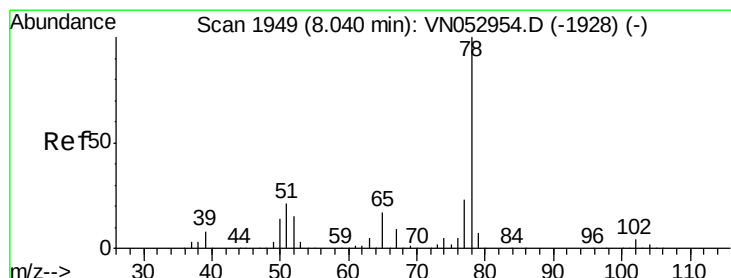
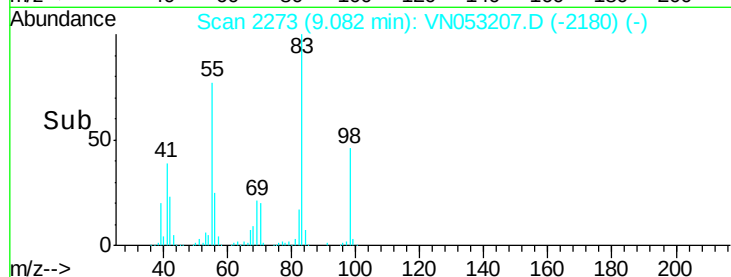
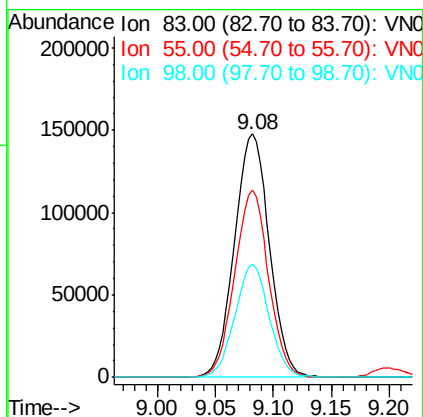
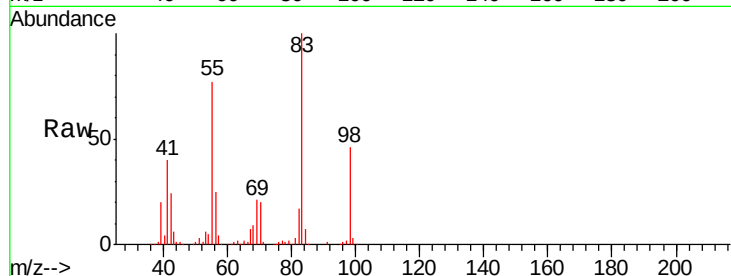




#39
Methylcyclohexane
Concen: 18.300 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

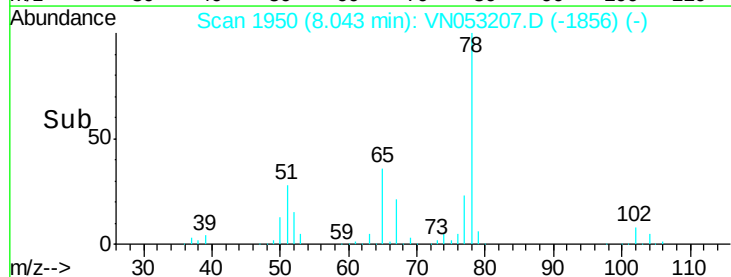
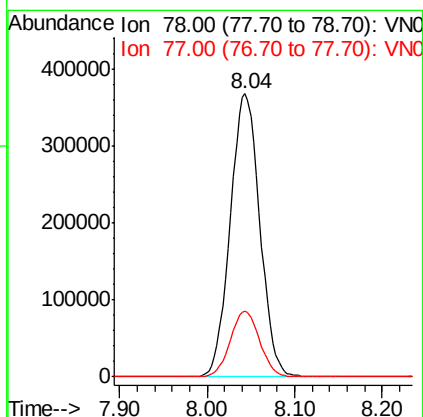
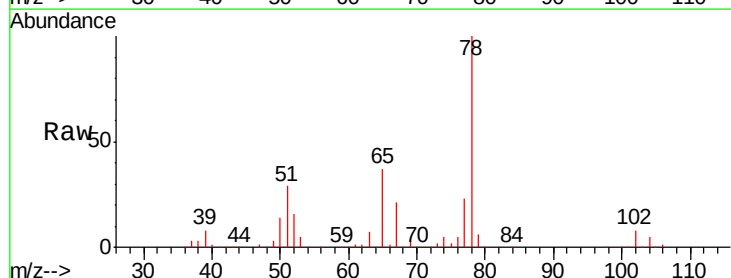
Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

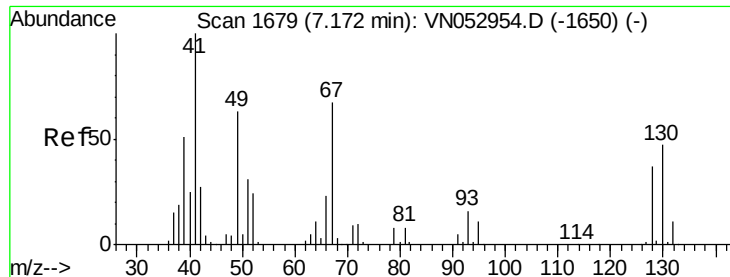
Tgt Ion: 83 Resp: 310143
Ion Ratio Lower Upper
83 100
55 77.1 61.3 91.9
98 46.4 37.0 55.4



#40
Benzene
Concen: 20.789 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion: 78 Resp: 862702
Ion Ratio Lower Upper
78 100
77 23.2 18.5 27.7

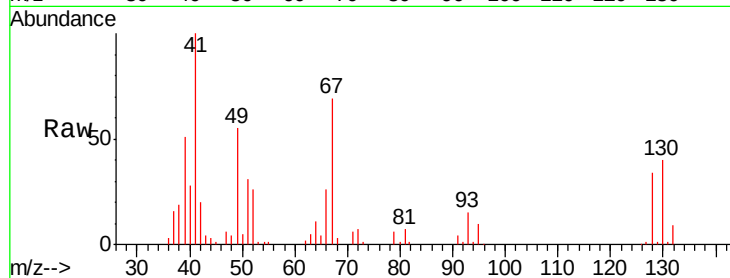




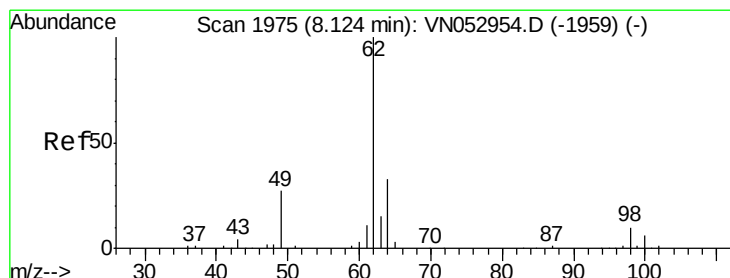
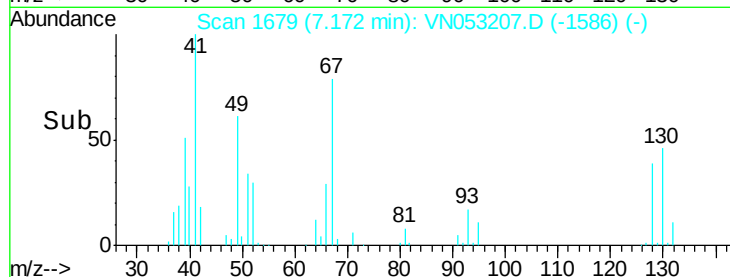
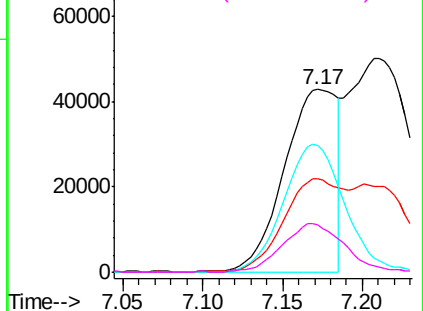
#41
Methacrylonitrile
Concen: 21.978 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 41 Resp: 98901
Ion Ratio Lower Upper
41 100
39 58.4 48.0 72.0
67 81.4 70.3 105.5
52 31.7 26.9 40.3

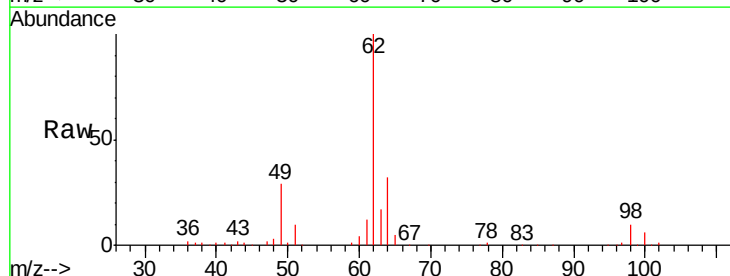


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

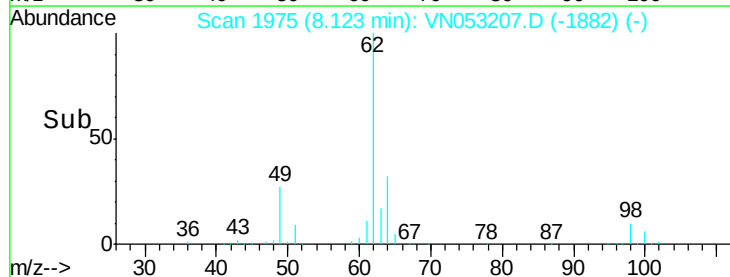
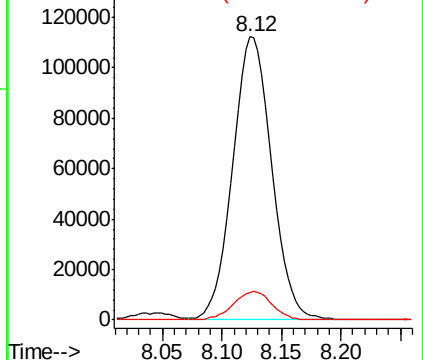


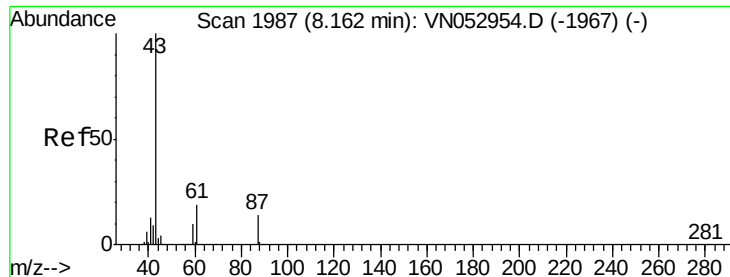
#42
1,2-Dichloroethane
Concen: 20.650 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion: 62 Resp: 253154
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 19.957 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

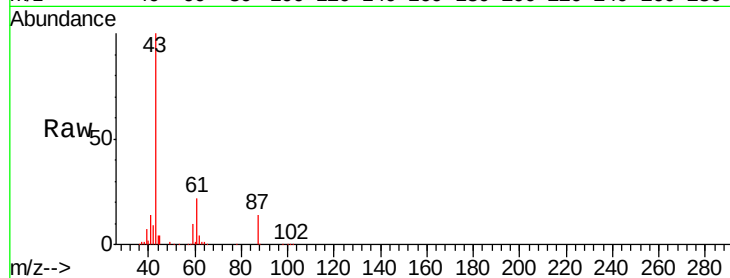
Tgt Ion: 43 Resp: 310246

Ion Ratio Lower Upper

43 100

61 21.5 22.9 34.3#

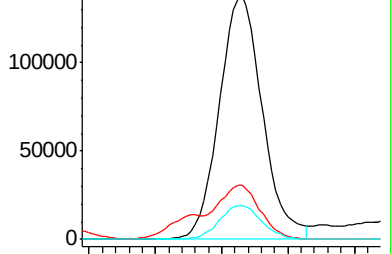
87 13.6 10.6 15.8



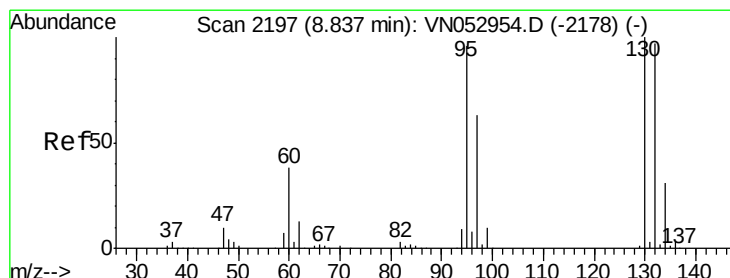
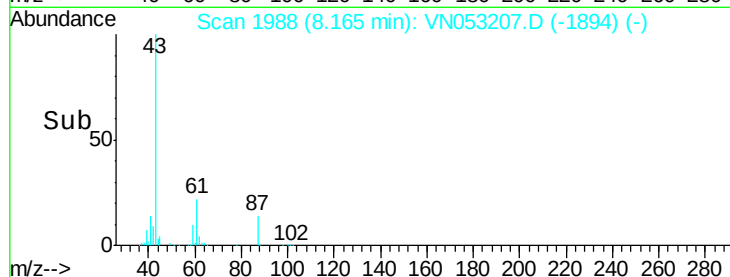
Abundance Ion 43.00 (42.70 to 43.70): VN053207.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053207.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053207.D (-1894) (-)



Time-->



#44

Trichloroethene

Concen: 19.434 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053207.D

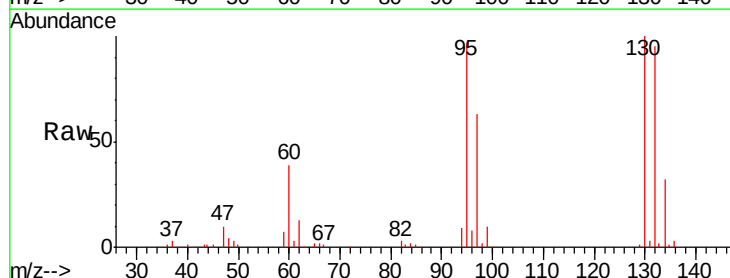
Acq: 27 Dec 2018 12:50

Tgt Ion: 130 Resp: 233266

Ion Ratio Lower Upper

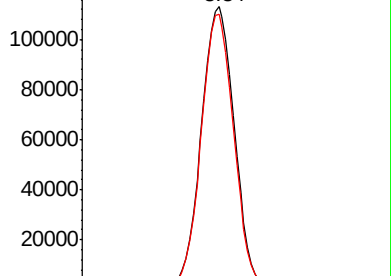
130 100

95 97.4 0.0 197.8

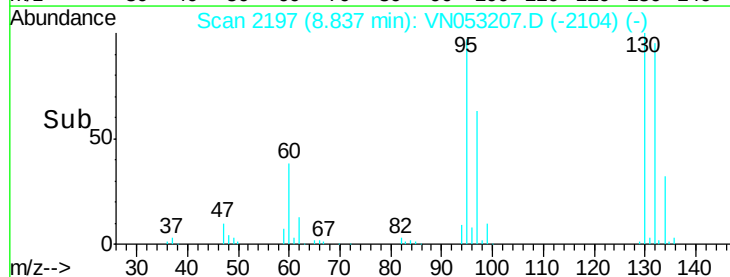


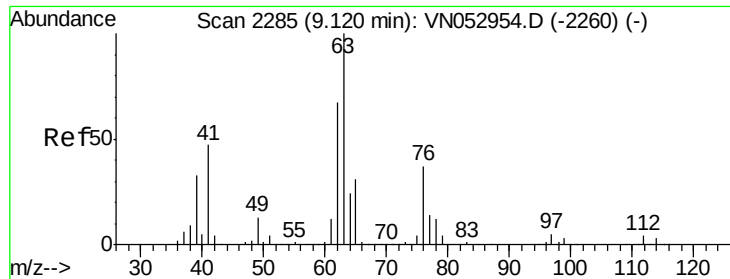
Abundance Ion 129.80 (129.50 to 130.50): VN053207.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN053207.D (-2104) (-)



Time-->

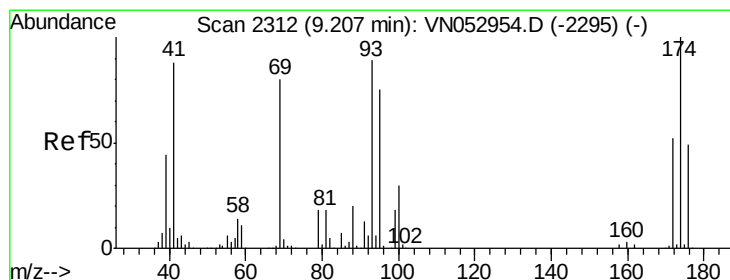
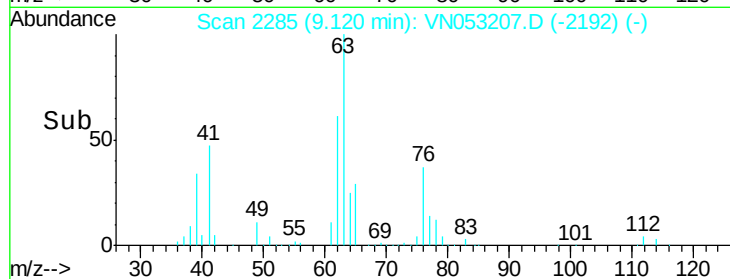
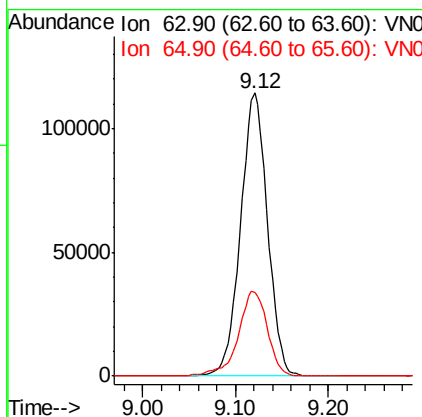
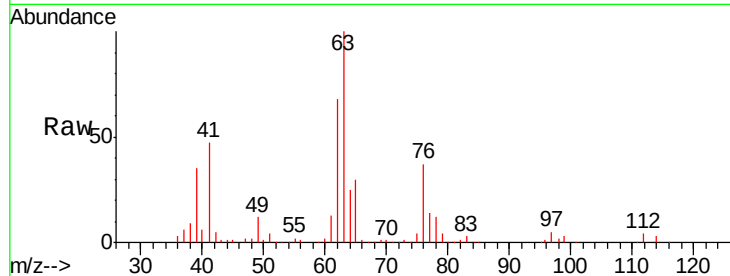




#45
 1,2-Dichloropropane
 Concen: 21.299 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

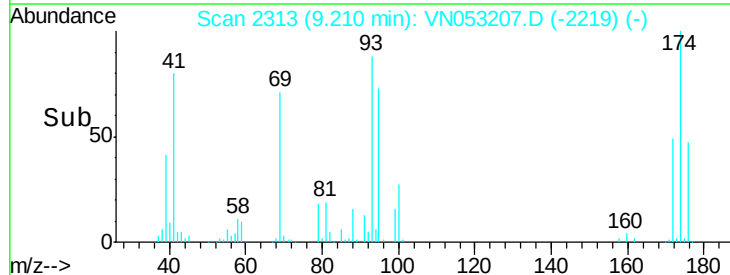
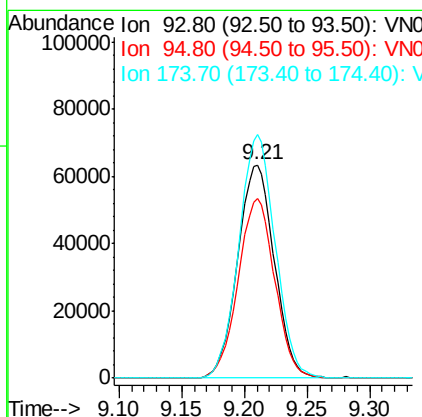
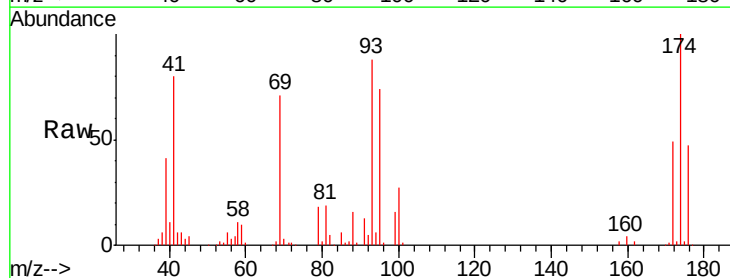
Instrument :
 MSVOA_N
 ClientSampled :
 VN1227WBSD01

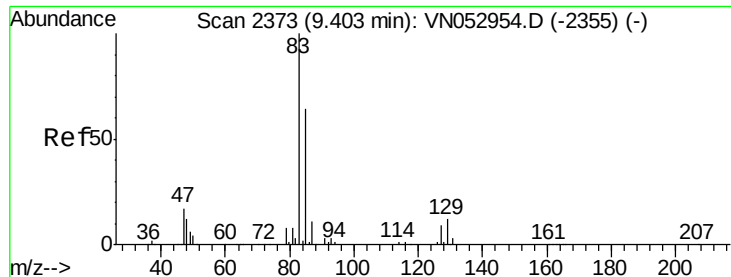
Tgt Ion: 63 Resp: 230215
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.6 37.0



#46
 Dibromomethane
 Concen: 20.557 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion: 93 Resp: 129440
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.8 101.6
 174 113.0 89.0 133.4

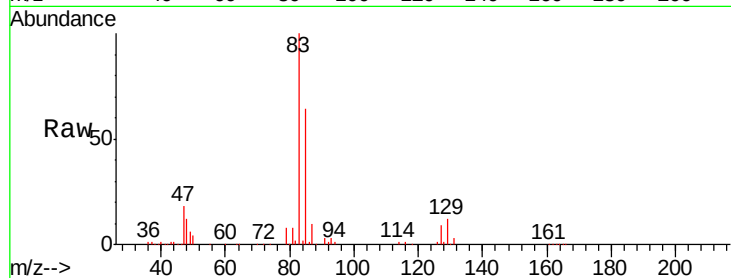




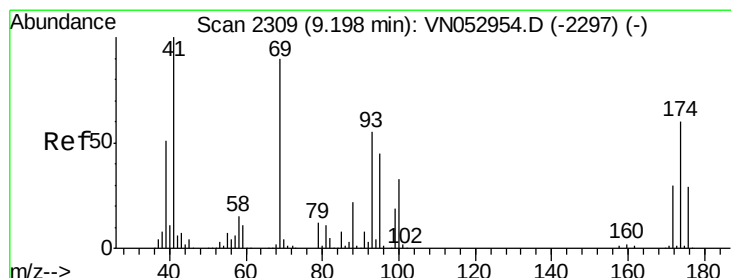
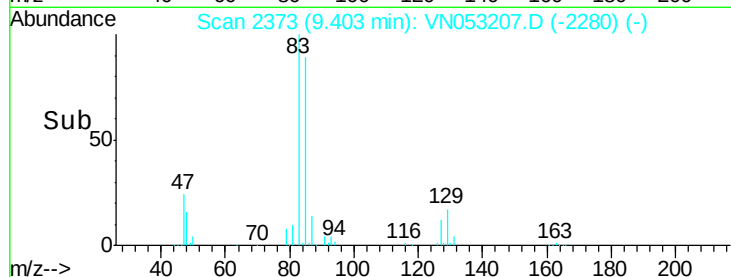
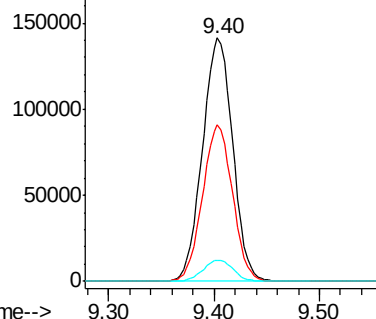
#47
Bromodichloromethane
Concen: 20.974 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 83 Resp: 280724
Ion Ratio Lower Upper
83 100
85 64.2 51.6 77.4
127 8.8 7.1 10.7

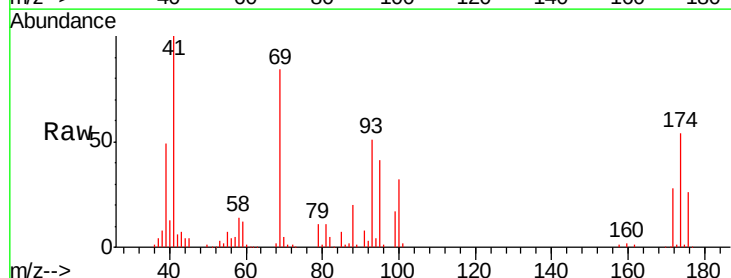


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

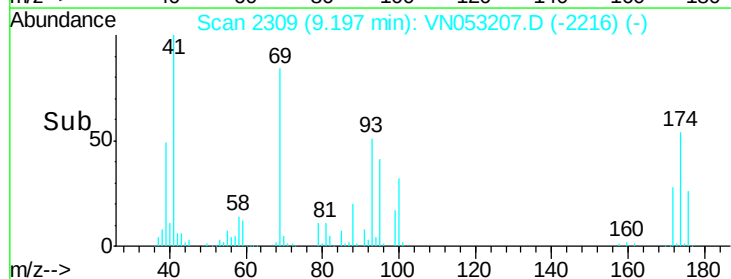
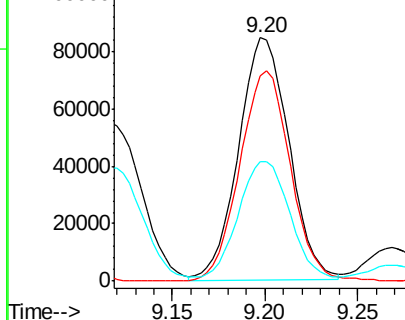


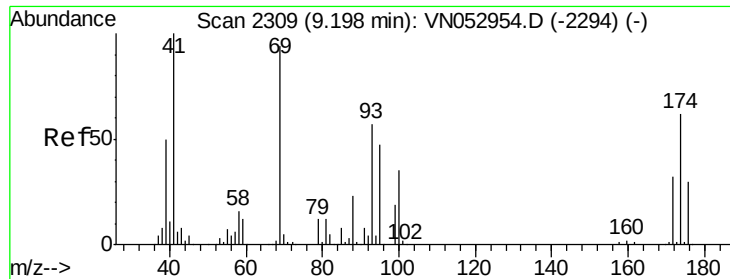
#48
Methyl methacrylate
Concen: 21.175 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion: 41 Resp: 160029
Ion Ratio Lower Upper
41 100
69 87.1 72.2 108.2
39 50.6 41.9 62.9



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

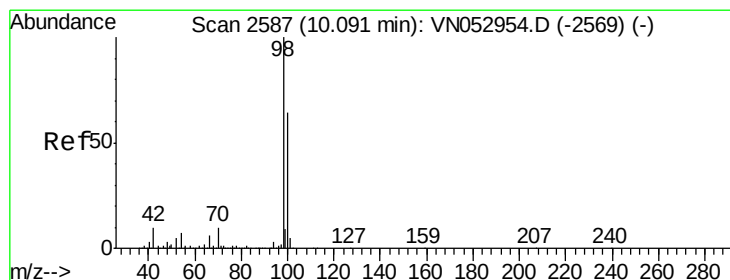
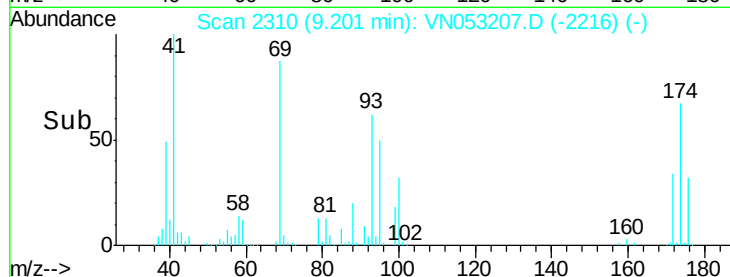
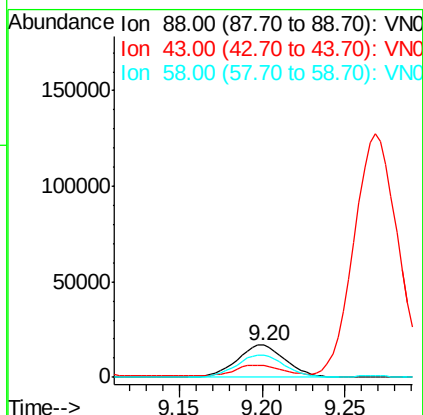
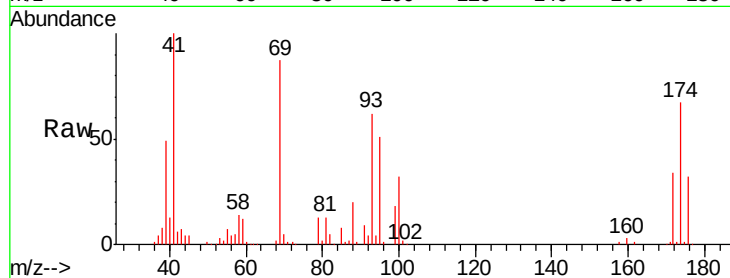




#49
 1,4-Dioxane
 Concen: 356.678 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

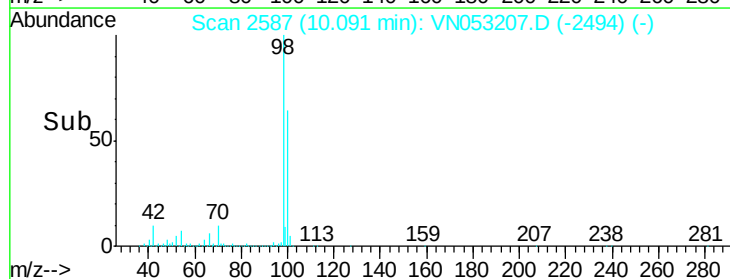
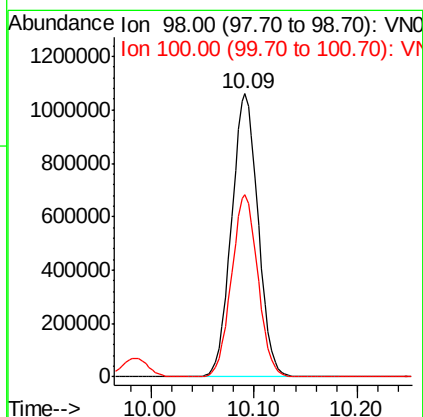
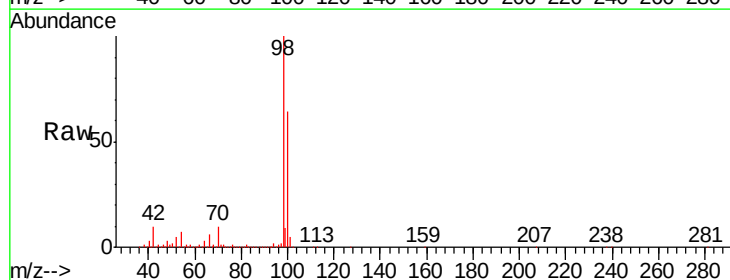
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

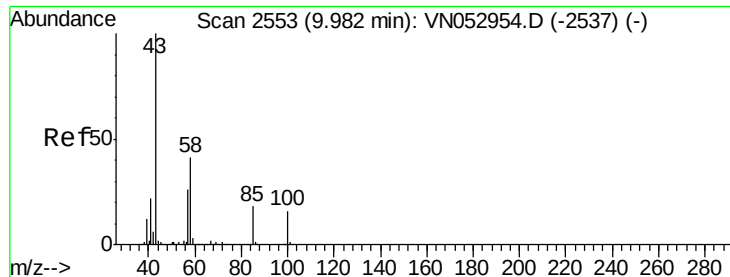
Tgt Ion: 88 Resp: 34098
 Ion Ratio Lower Upper
 88 100
 43 33.8 26.6 40.0
 58 70.2 58.4 87.6



#50
 Toluene-d8
 Concen: 356.678 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion: 98 Resp: 1898867
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.6 77.4

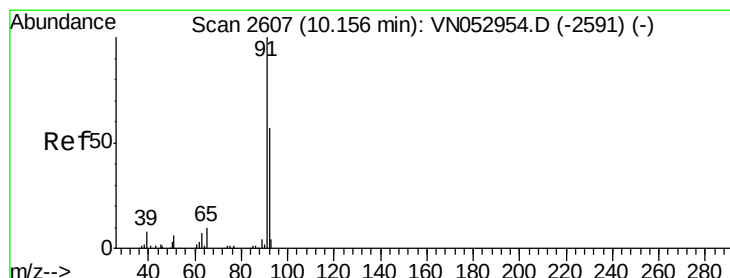
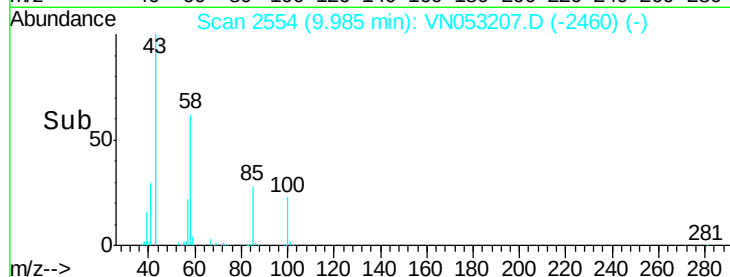
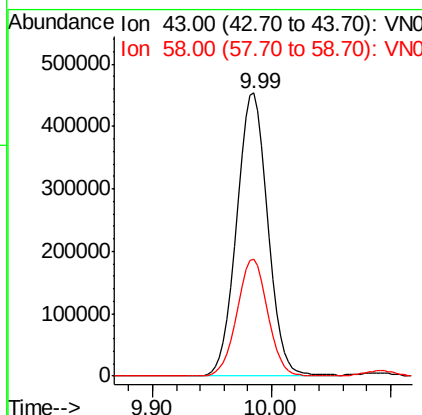
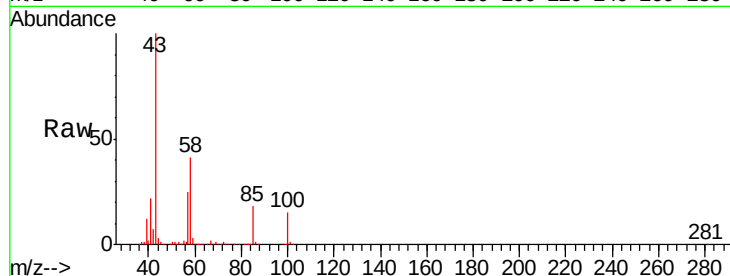




#51
 4-Methyl-2-Pentanone
 Concen: 108.598 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

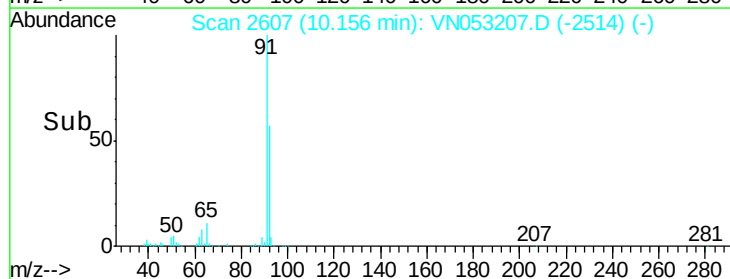
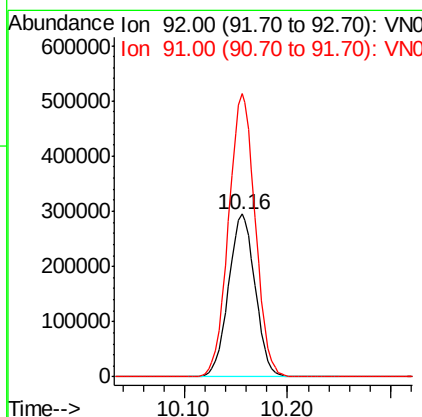
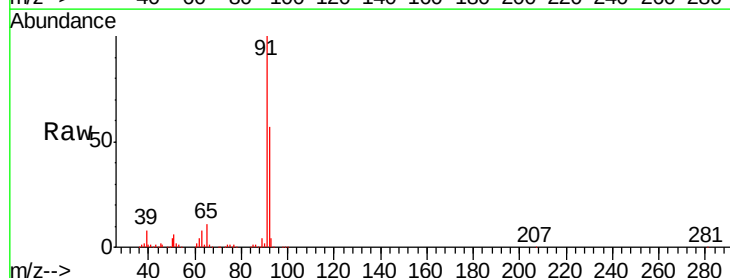
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

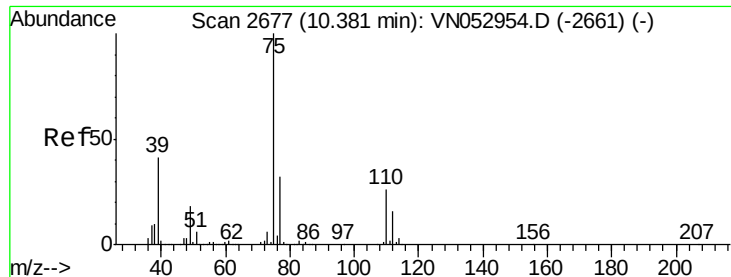
Tgt Ion: 43 Resp: 819077
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.2 48.4



#52
 Toluene
 Concen: 20.606 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion: 92 Resp: 530004
 Ion Ratio Lower Upper
 92 100
 91 173.7 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 19.829 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

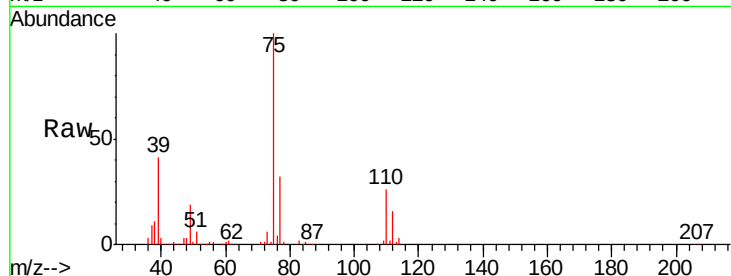
VN1227WBSD01

Tgt Ion: 75 Resp: 279078

Ion Ratio Lower Upper

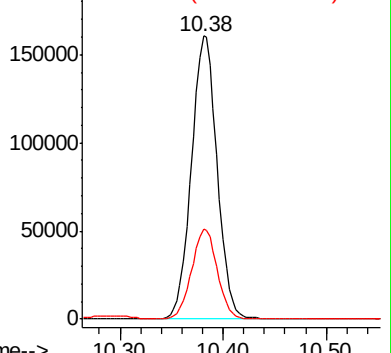
75 100

77 31.5 25.6 38.4

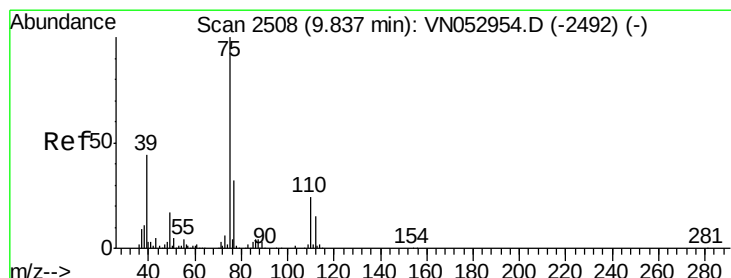
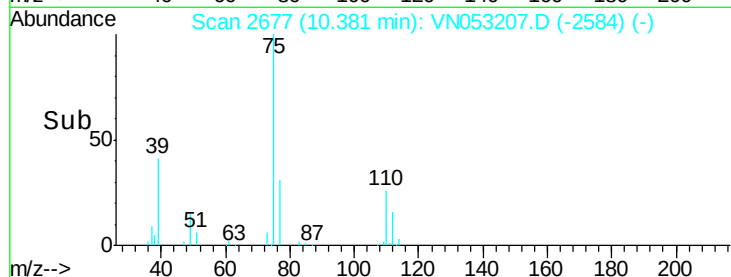


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.363 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

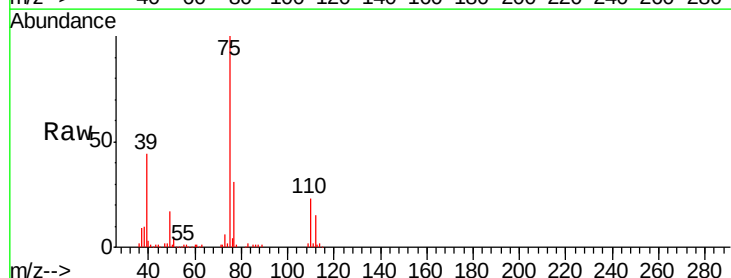
Tgt Ion: 75 Resp: 328969

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8

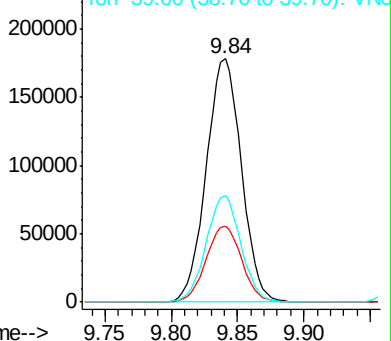
39 43.6 34.8 52.2



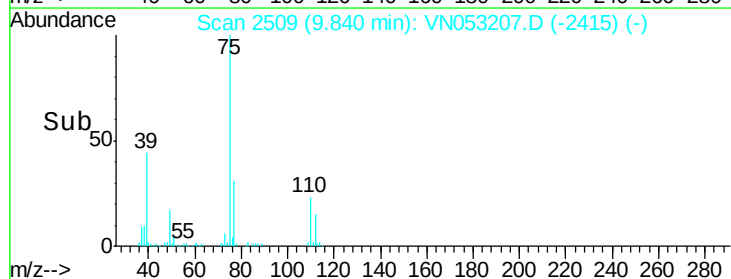
Abundance Ion 74.90 (74.60 to 75.60): VN0

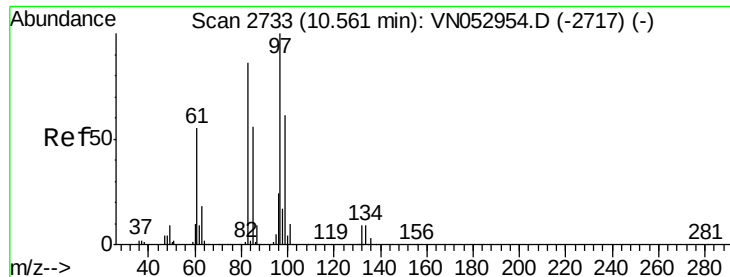
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

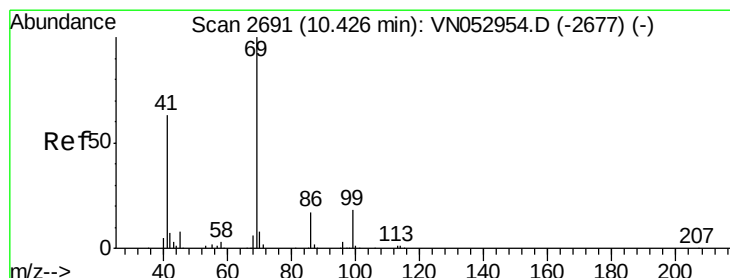
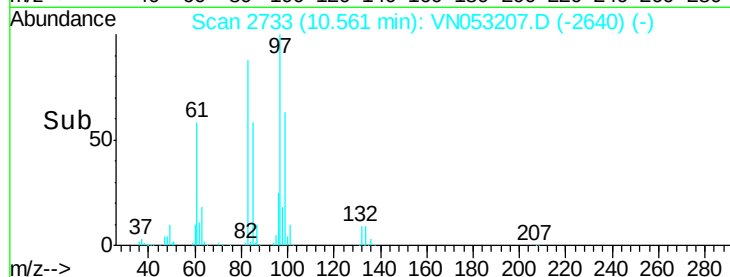
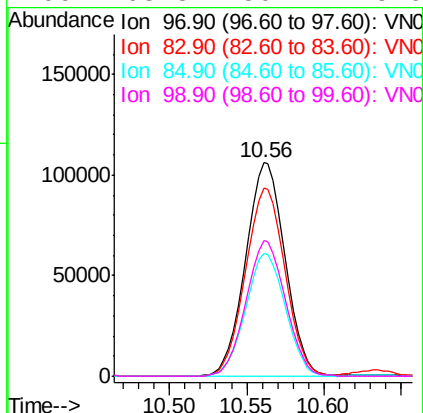
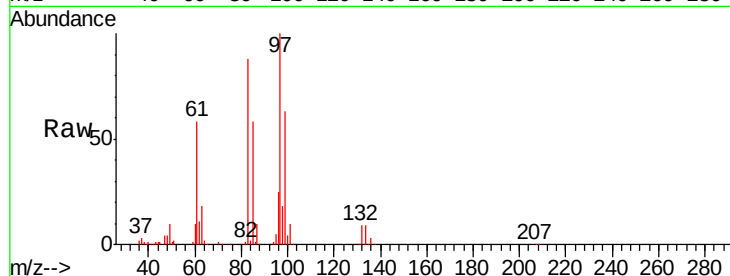




#55
 1,1,2-Trichloroethane
 Concen: 21.055 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

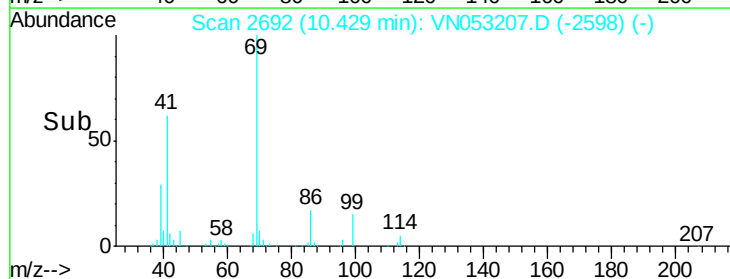
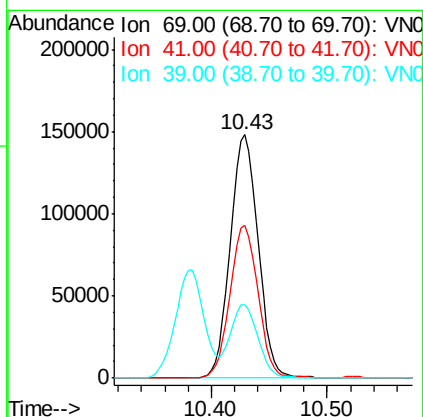
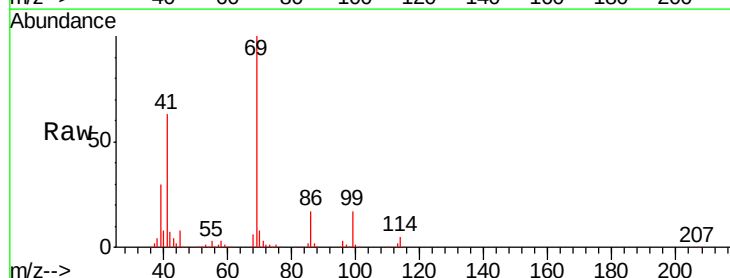
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

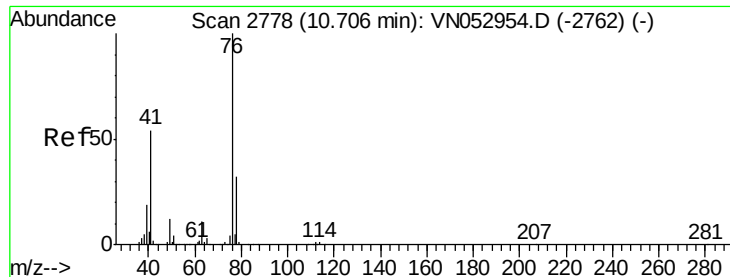
Tgt Ion:	97	Resp:	188938
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.9	106.3
85	57.6	45.4	68.2
99	63.3	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 20.699 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion:	69	Resp:	245850
Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.7	77.5
39	30.1	24.6	37.0





#57

1,3-Dichloropropane

Concen: 20.999 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

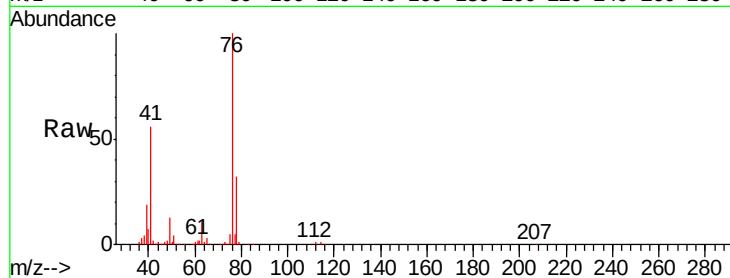
VN1227WBSD01

Tgt Ion: 76 Resp: 323132

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

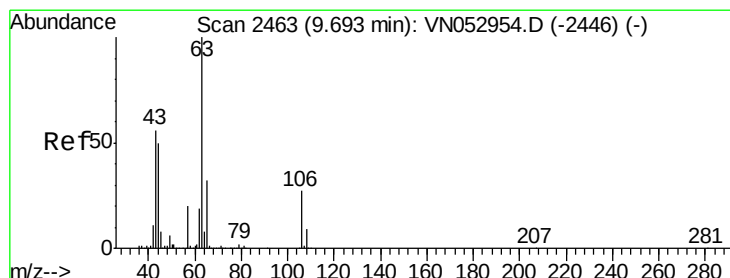
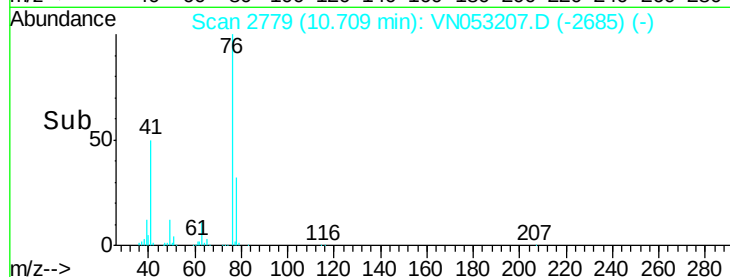
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 107.257 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053207.D

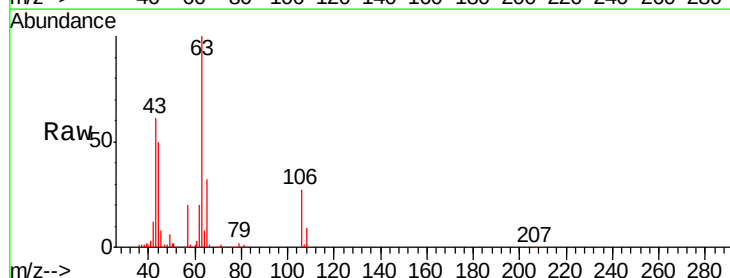
Acq: 27 Dec 2018 12:50

Tgt Ion: 63 Resp: 699366

Ion Ratio Lower Upper

63 100

106 26.7 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

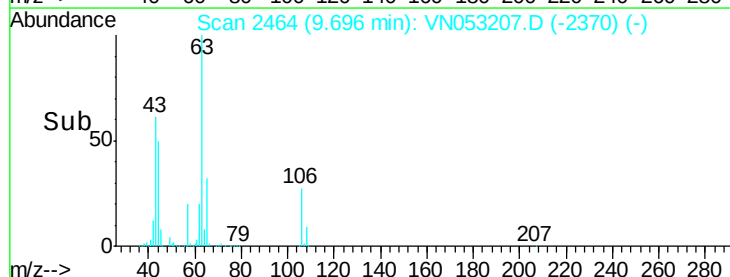
300000

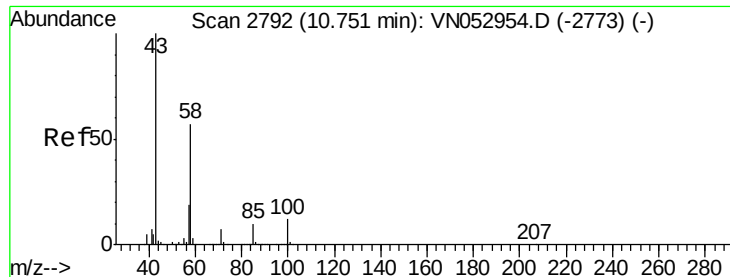
200000

100000

0

Time-->

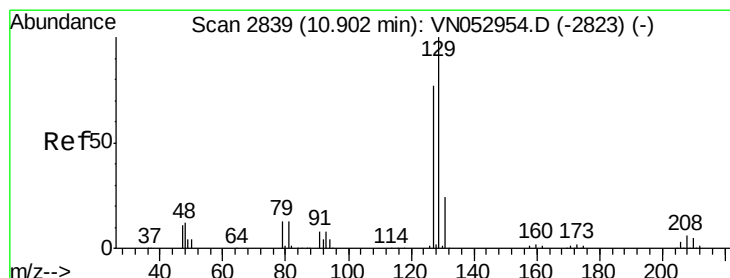
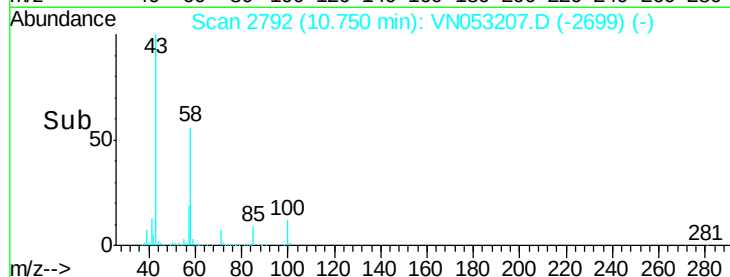
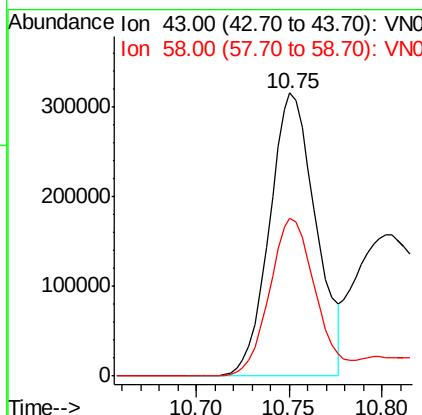
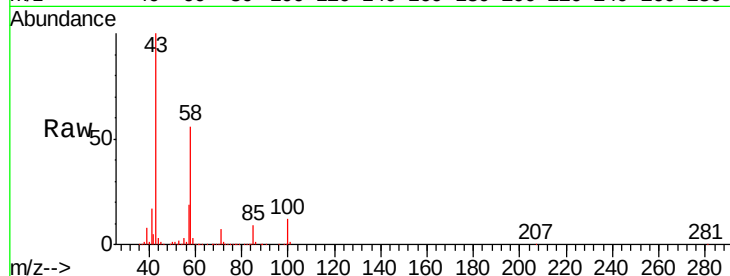




#59
2-Hexanone
Concen: 107.556 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

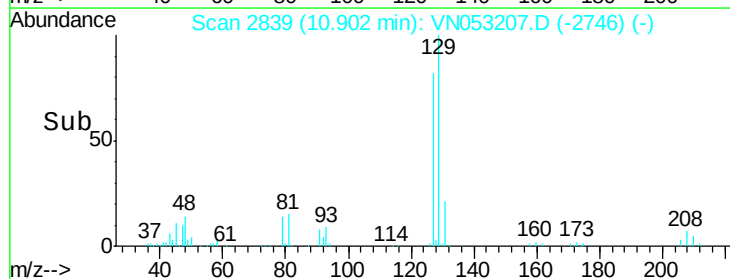
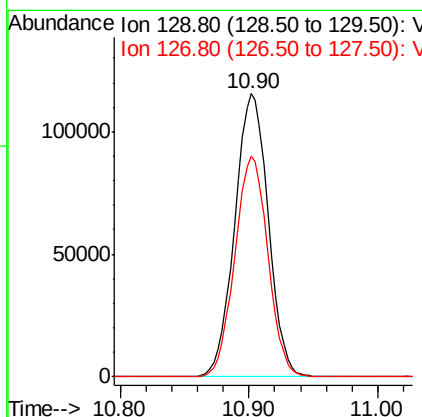
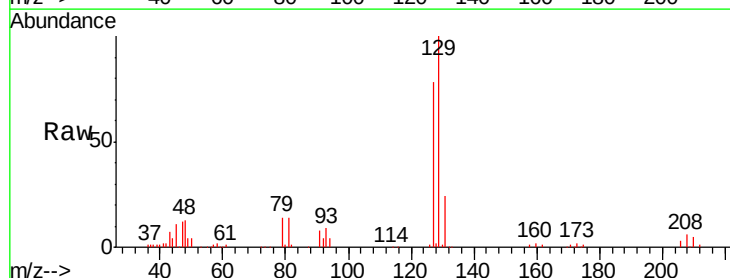
Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

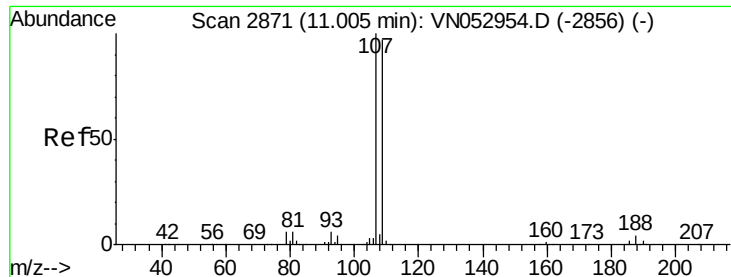
Tgt Ion: 43 Resp: 548856
Ion Ratio Lower Upper
43 100
58 55.5 28.1 84.3



#60
Dibromochloromethane
Concen: 20.325 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion: 129 Resp: 208765
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.256 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

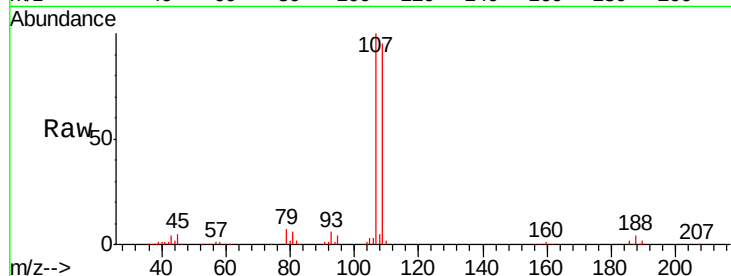
VN1227WBSD01

Tgt Ion: 107 Resp: 184605

Ion Ratio Lower Upper

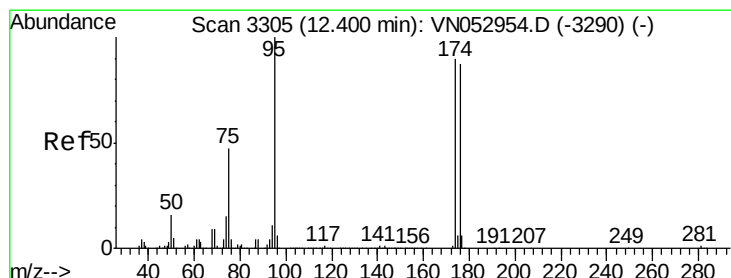
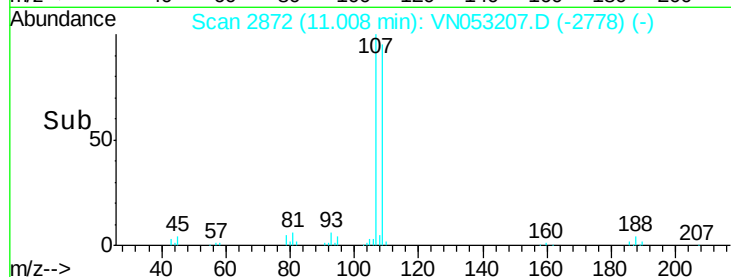
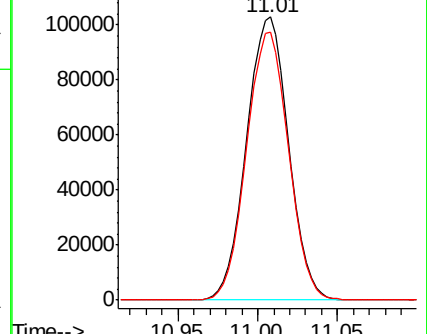
107 100

109 94.5 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 20.256 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

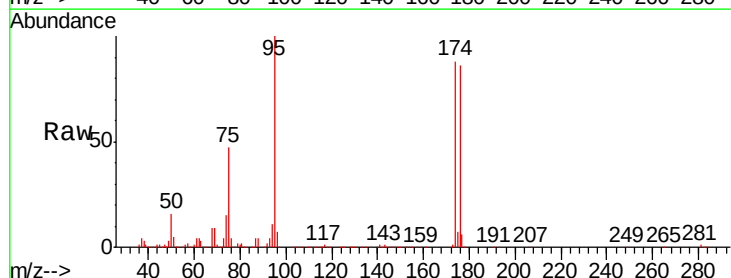
Tgt Ion: 95 Resp: 624082

Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.8

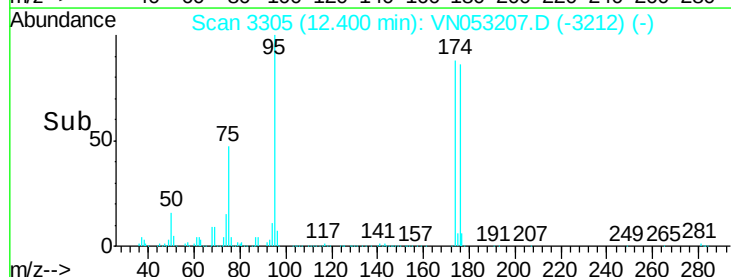
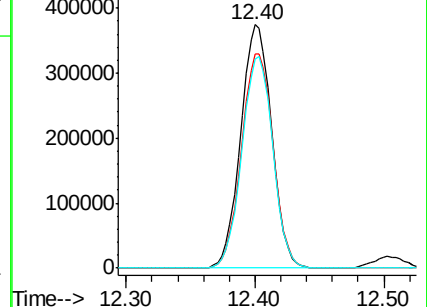
176 87.3 0.0 173.8

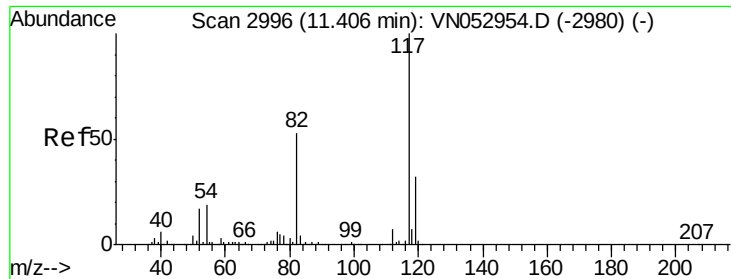


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

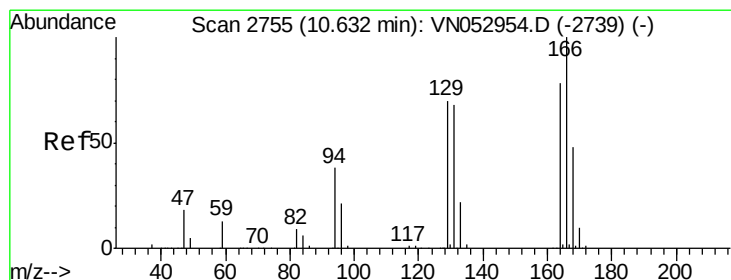
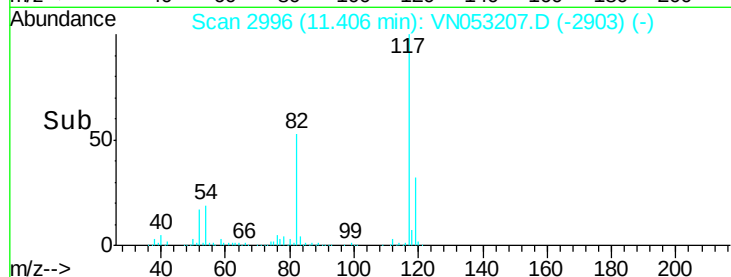
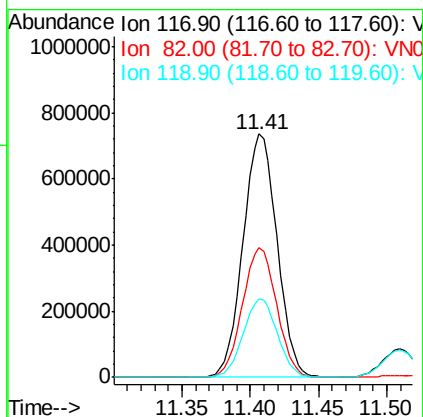
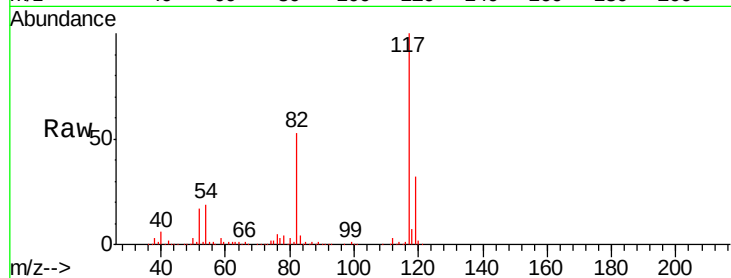




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

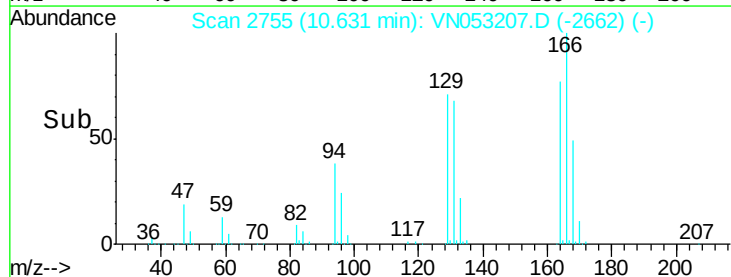
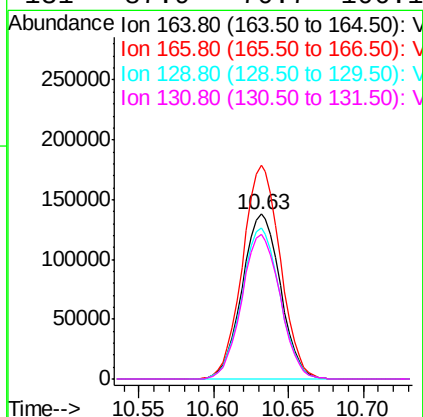
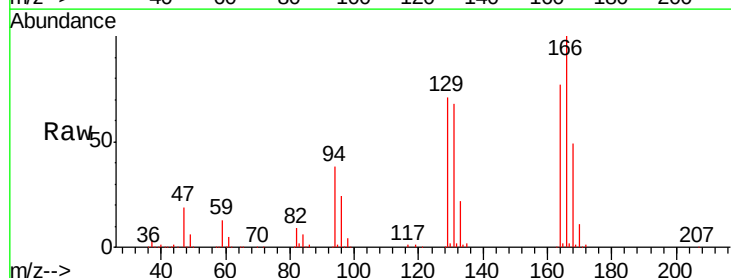
Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

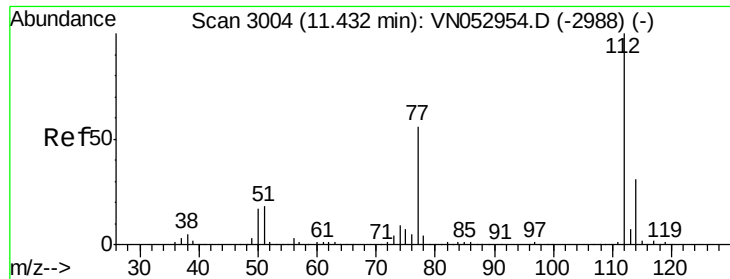
Tgt Ion:117 Resp: 1276138
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 17.795 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion:164 Resp: 245984
Ion Ratio Lower Upper
164 100
166 129.8 102.9 154.3
129 91.8 73.7 110.5
131 87.9 70.7 106.1

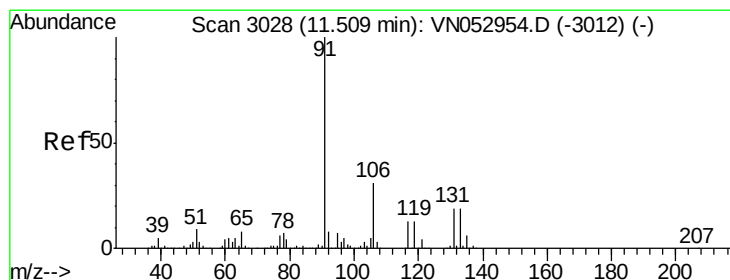
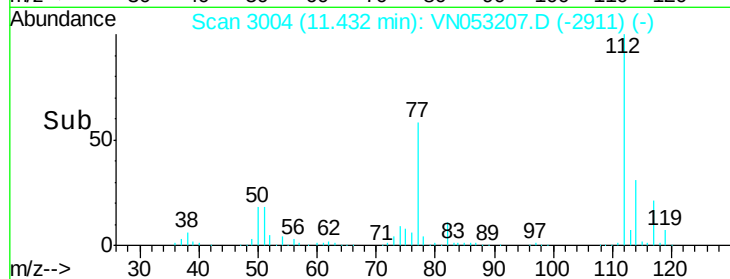
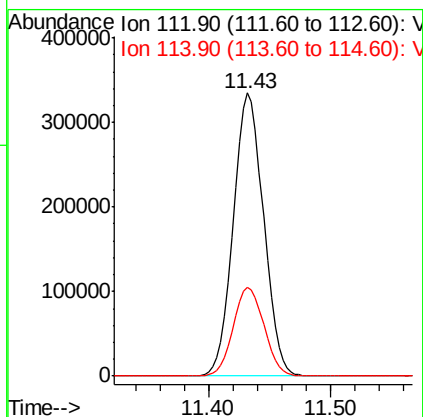
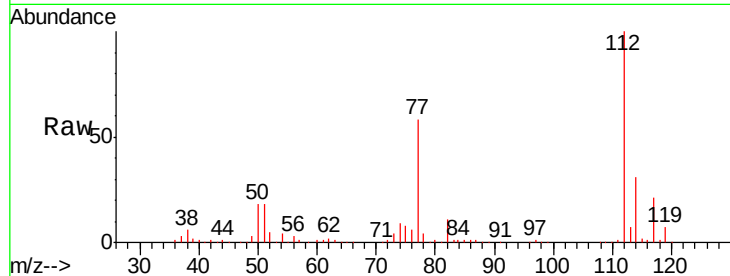




#65
Chlorobenzene
Concen: 20.386 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

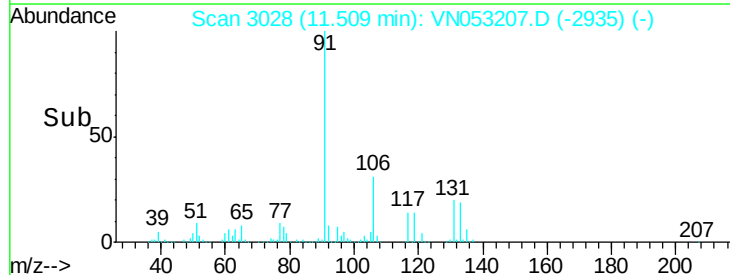
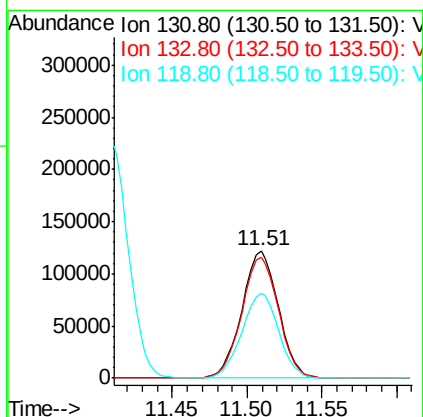
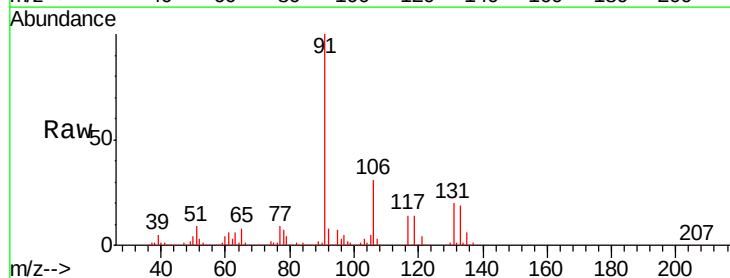
Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

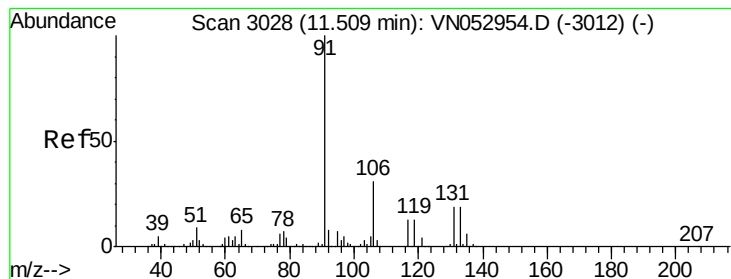
Tgt Ion:112 Resp: 576685
Ion Ratio Lower Upper
112 100
114 31.4 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.001 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion:131 Resp: 206592
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 67.5 33.3 99.8





#67

Ethyl Benzene

Concen: 20.298 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampled :

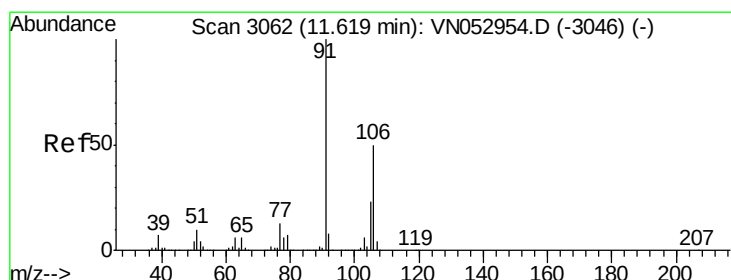
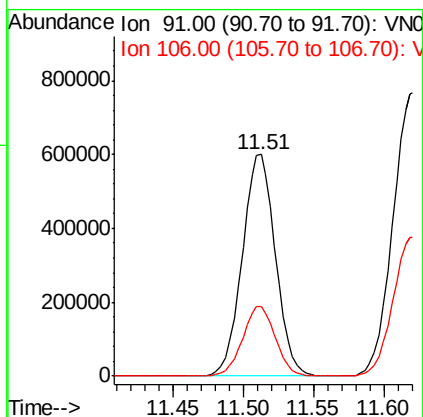
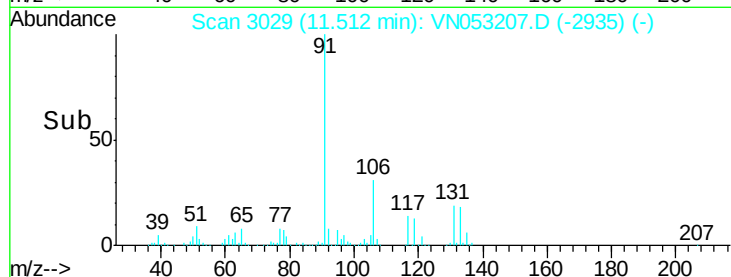
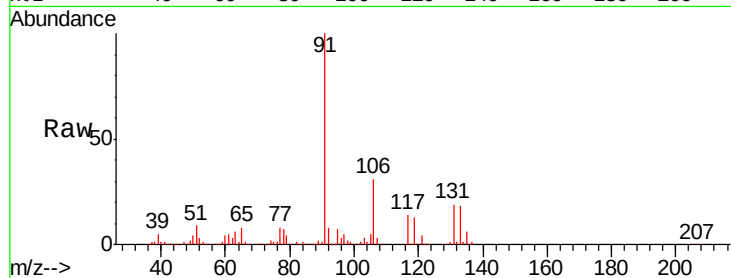
VN1227WBSD01

Tgt Ion: 91 Resp: 987481

Ion Ratio Lower Upper

91 100

106 31.5 24.9 37.3



#68

m/p-Xylenes

Concen: 39.699 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053207.D

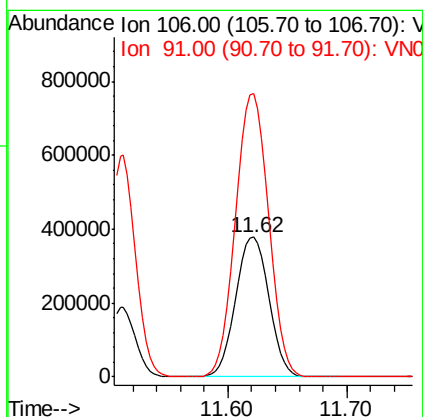
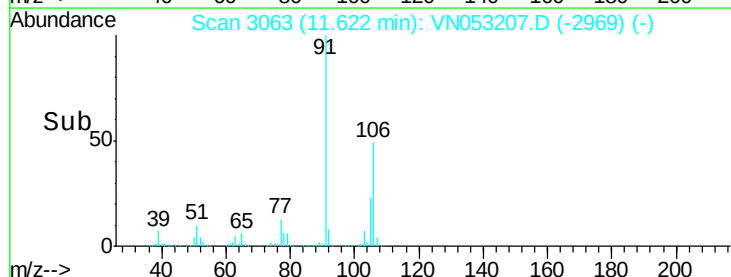
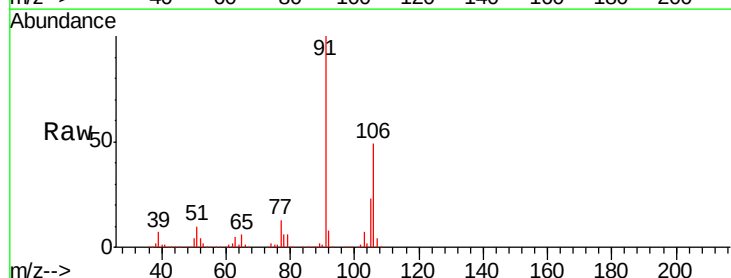
Acq: 27 Dec 2018 12:50

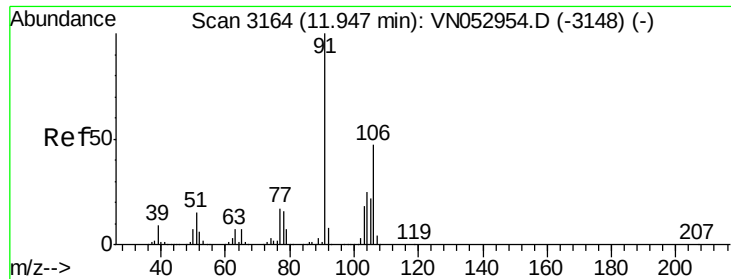
Tgt Ion: 106 Resp: 734195

Ion Ratio Lower Upper

106 100

91 202.0 162.2 243.4

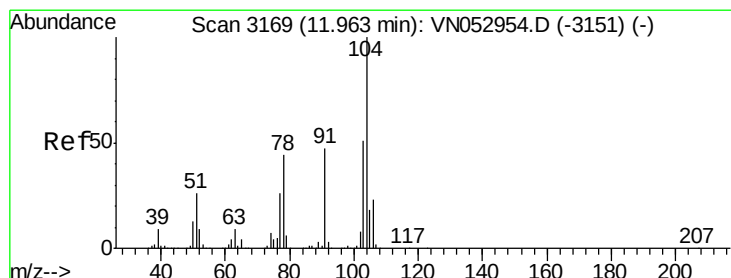
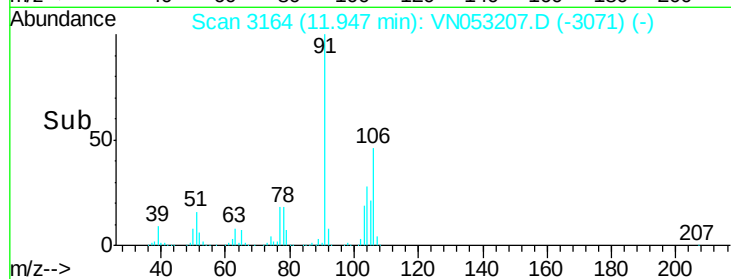
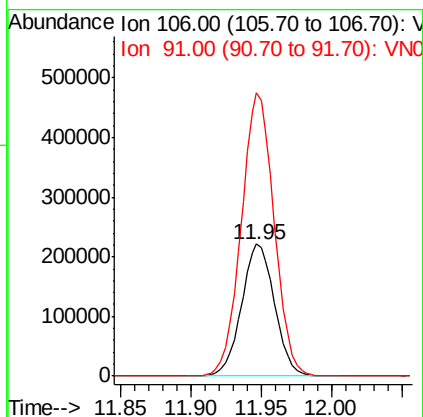
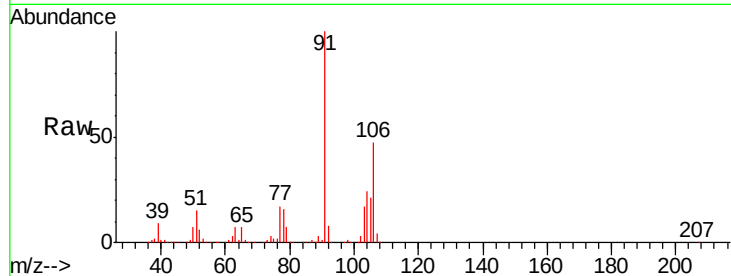




#69
o-Xylene
Concen: 20.462 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

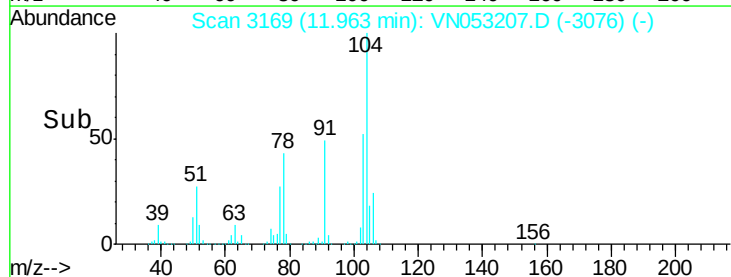
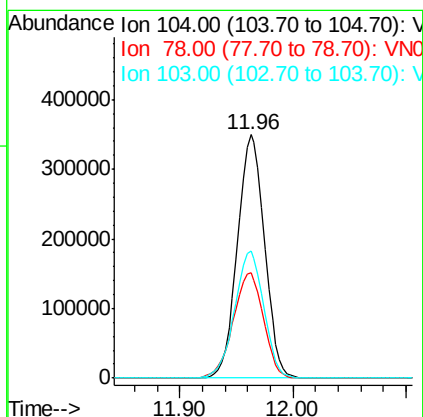
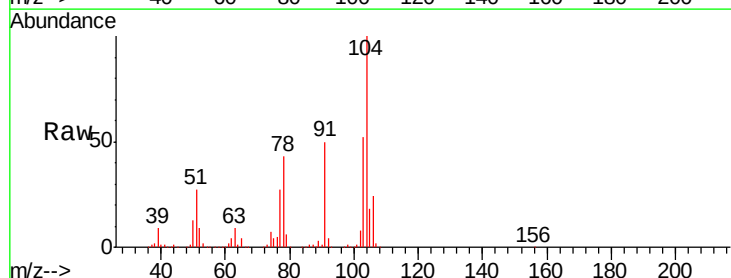
Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

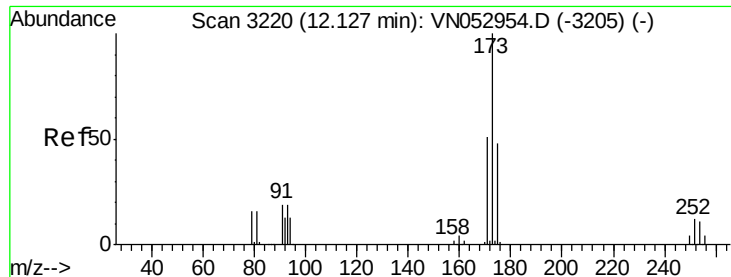
Tgt Ion:106 Resp: 363130
Ion Ratio Lower Upper
106 100
91 212.9 106.6 319.8



#70
Styrene
Concen: 20.202 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion:104 Resp: 584606
Ion Ratio Lower Upper
104 100
78 48.2 38.9 58.3
103 56.1 44.3 66.5





#71

Bromoform

Concen: 18.952 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampled :

VN1227WBSD01

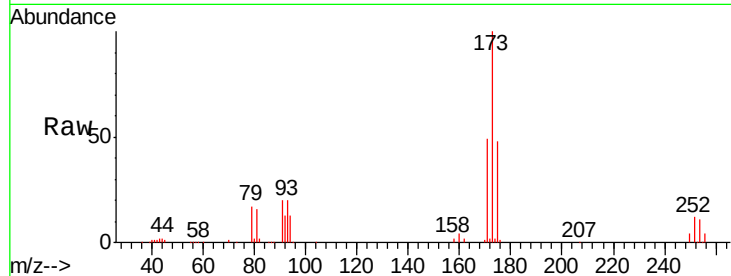
Tgt Ion:173 Resp: 134683

Ion Ratio Lower Upper

173 100

175 47.7 24.3 72.9

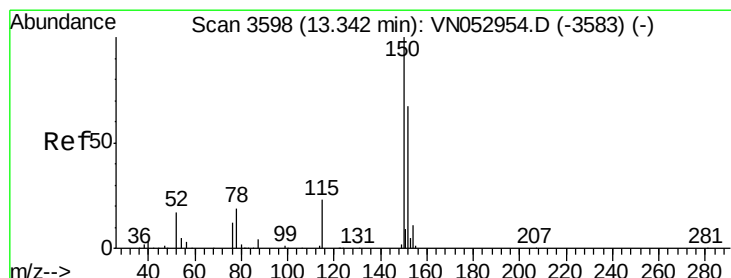
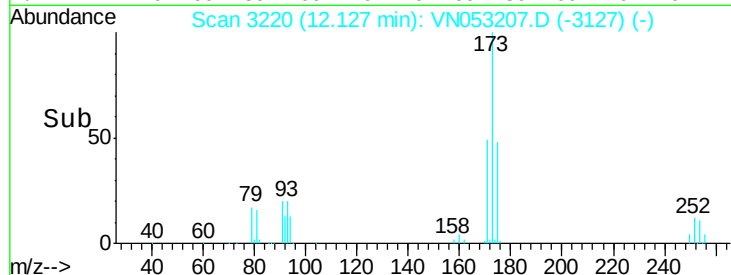
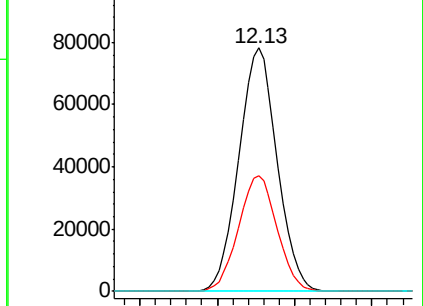
254 0.0 0.1 0.1#



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: VN053207.D

Acq: 27 Dec 2018 12:50

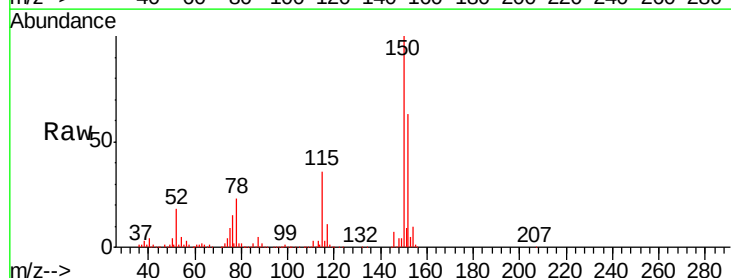
Tgt Ion:152 Resp: 528950

Ion Ratio Lower Upper

152 100

115 56.8 28.3 85.0

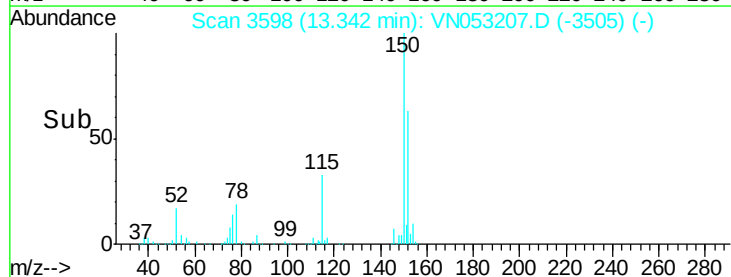
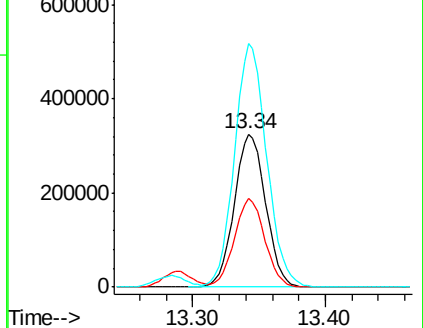
150 164.5 0.0 347.8

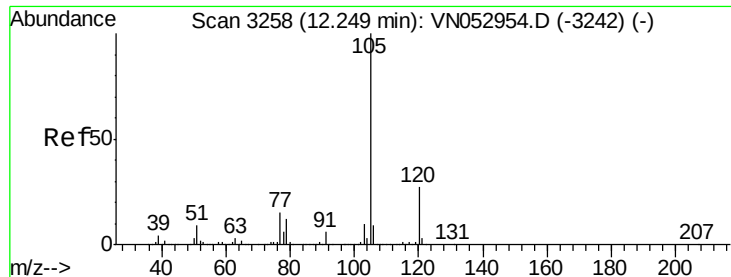


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.115 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

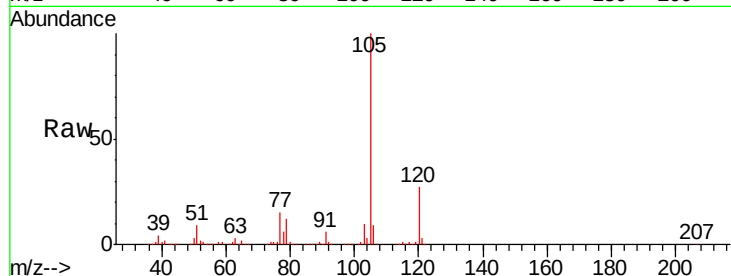
VN1227WBSD01

Tgt Ion:105 Resp: 956646

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

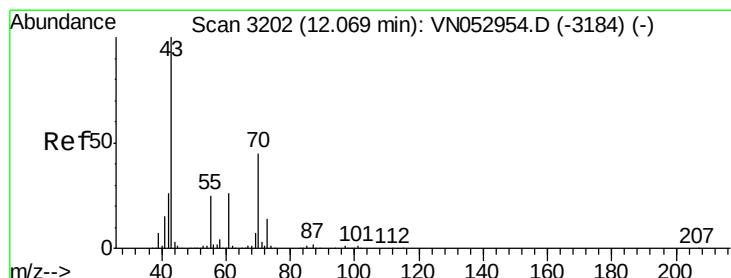
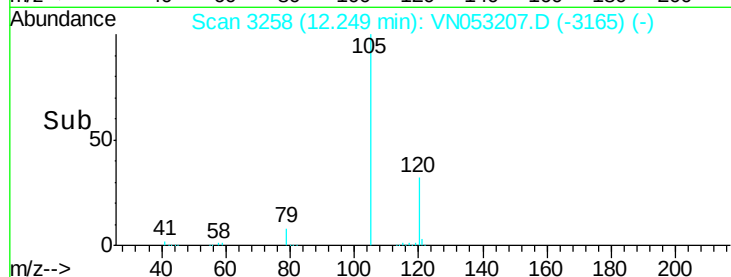
400000

200000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 23.301 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Tgt Ion: 43 Resp: 267734

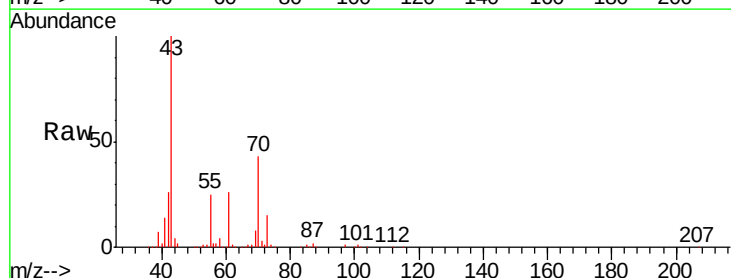
Ion Ratio Lower Upper

43 100

70 43.3 34.2 51.4

55 24.9 20.3 30.5

61 25.2 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

150000

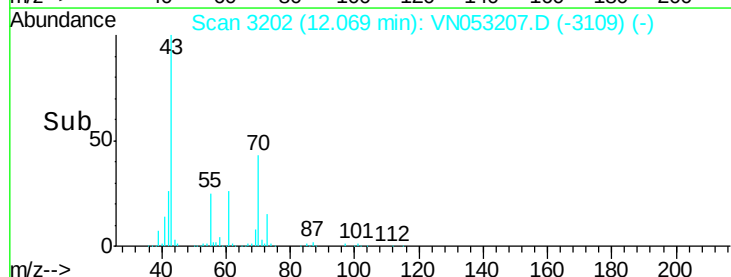
100000

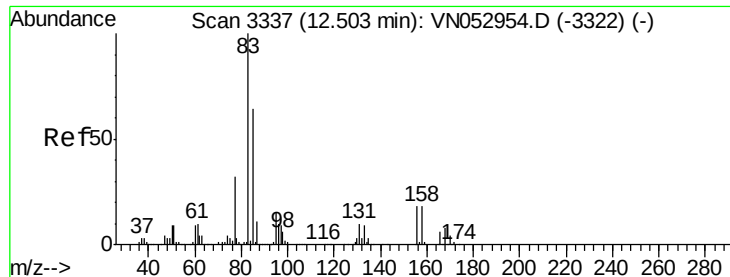
50000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 25.101 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

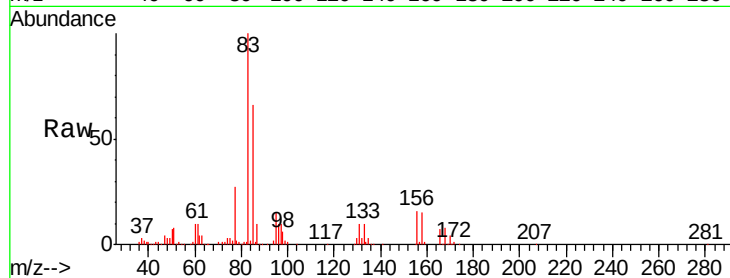
Tgt Ion: 83 Resp: 203803

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

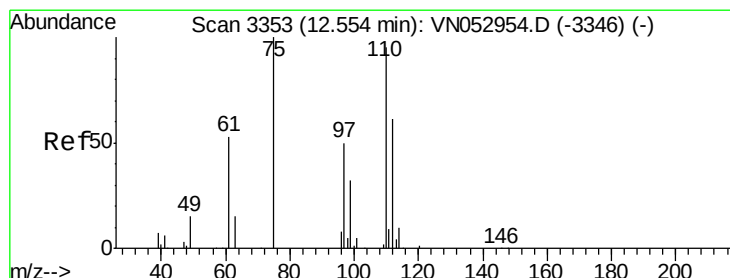
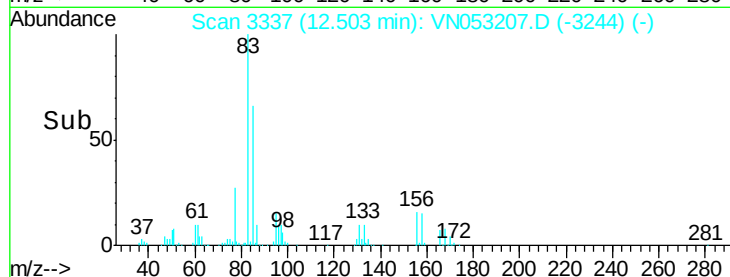
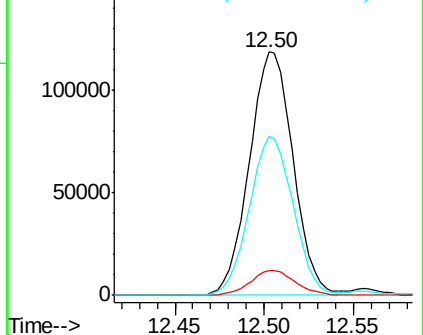
85 65.6 32.4 97.0



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: 29.579 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053207.D

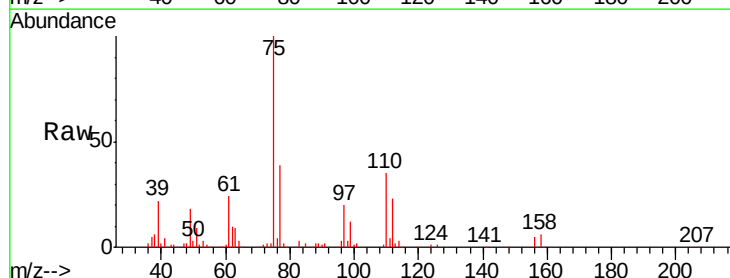
Acq: 27 Dec 2018 12:50

Tgt Ion: 75 Resp: 263378

Ion Ratio Lower Upper

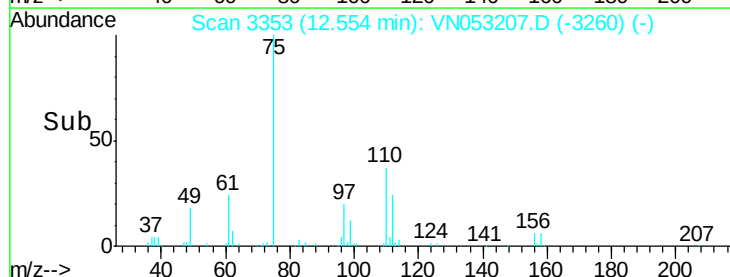
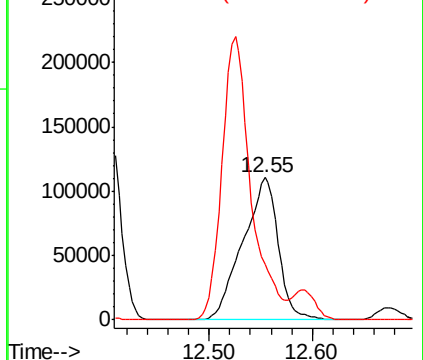
75 100

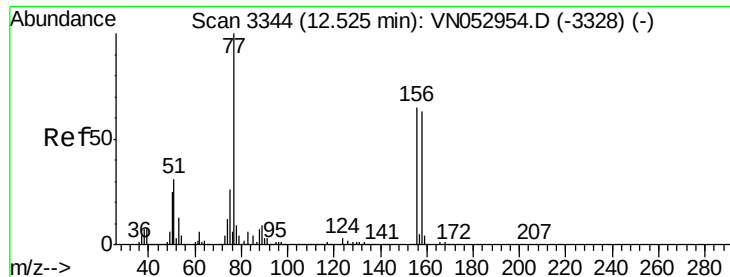
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 22.554 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

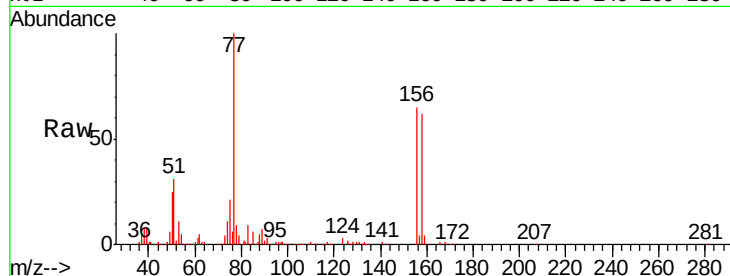
Tgt Ion:156 Resp: 242632

Ion Ratio Lower Upper

156 100

77 177.6 91.3 273.8

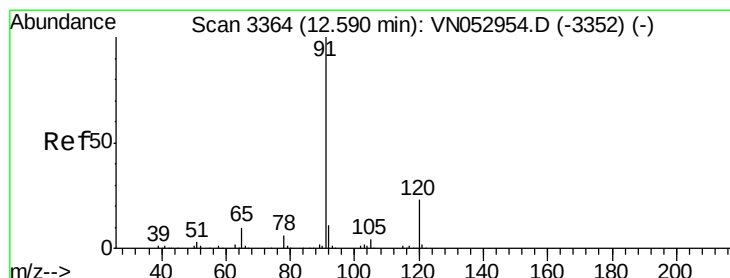
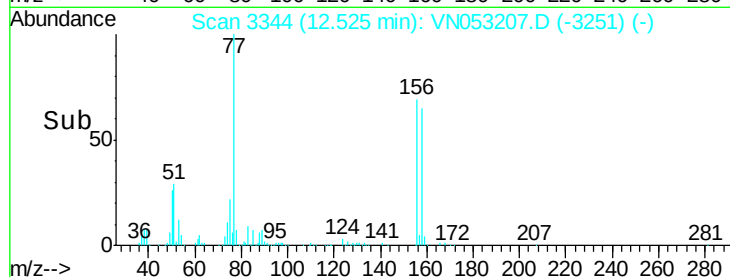
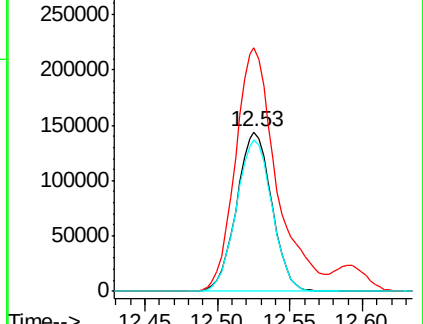
158 96.3 49.0 147.2



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: 22.020 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053207.D

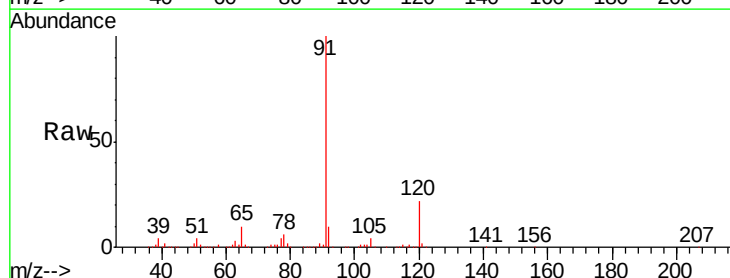
Acq: 27 Dec 2018 12:50

Tgt Ion: 91 Resp: 1037888

Ion Ratio Lower Upper

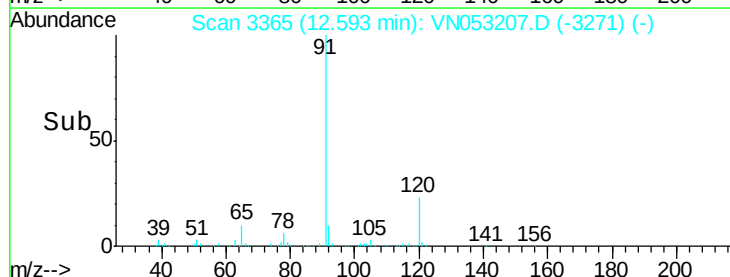
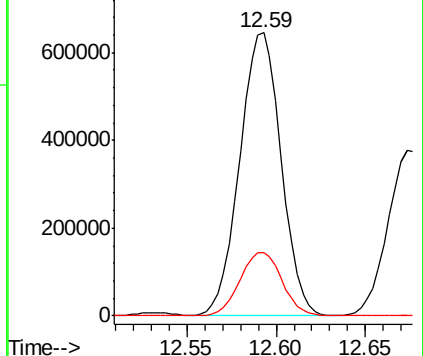
91 100

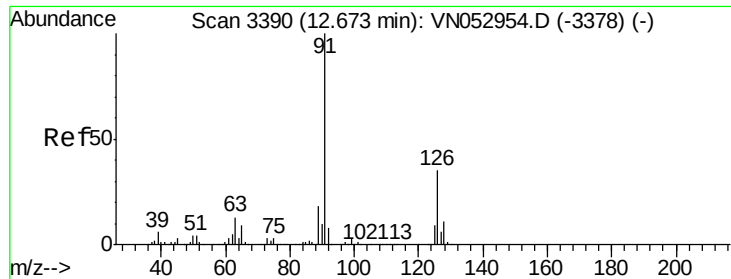
120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.278 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

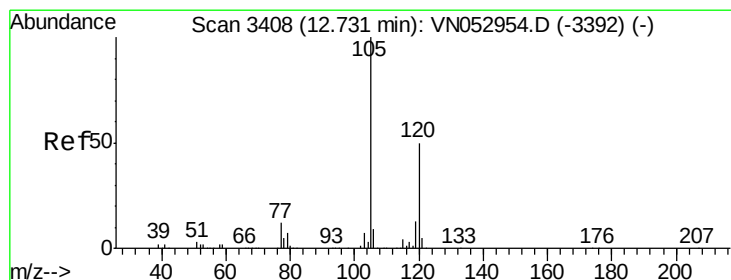
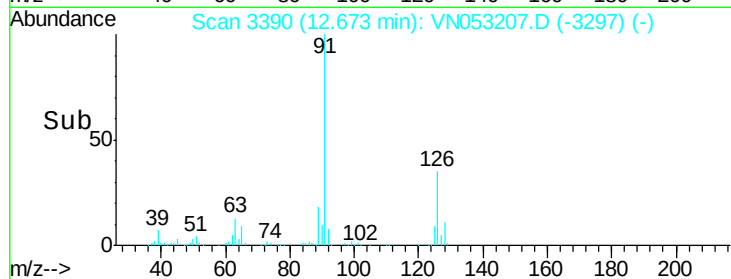
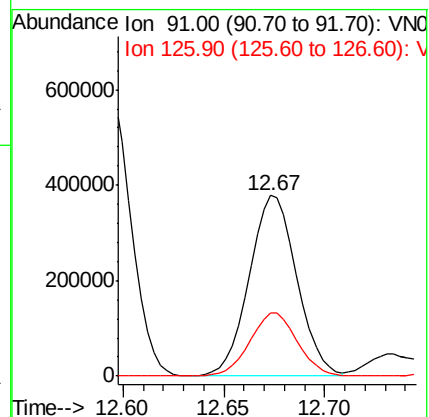
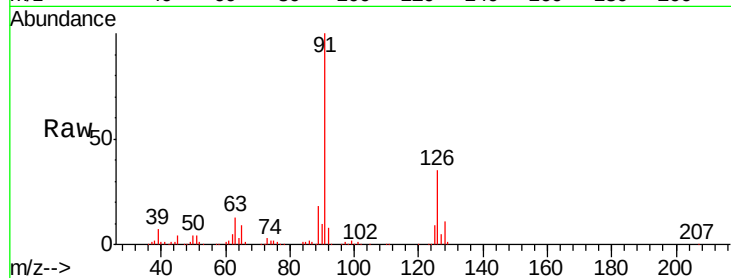
VN1227WBSD01

Tgt Ion: 91 Resp: 621663

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 21.507 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053207.D

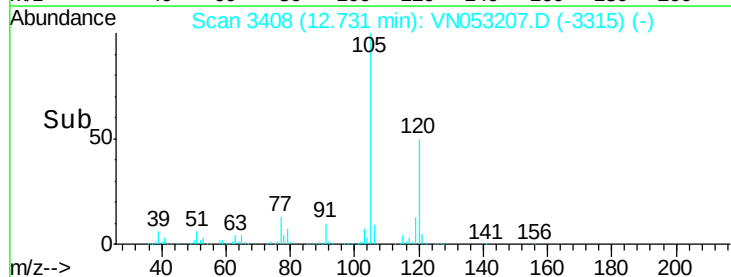
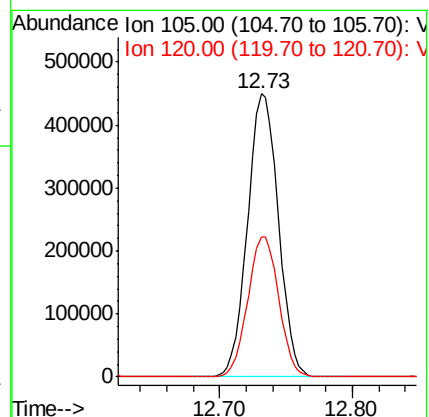
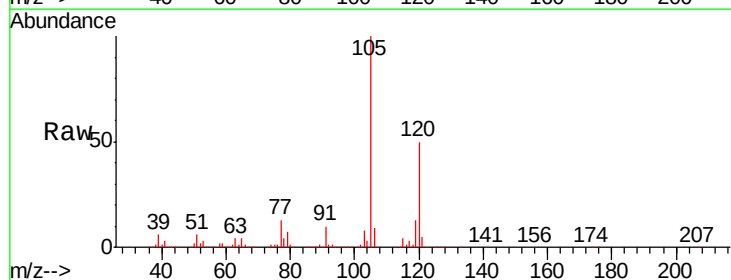
Acq: 27 Dec 2018 12:50

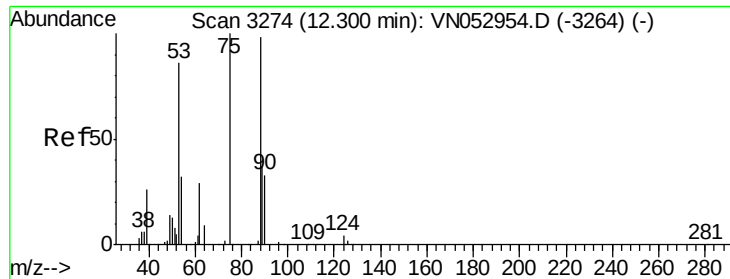
Tgt Ion: 105 Resp: 725478

Ion Ratio Lower Upper

105 100

120 49.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.711 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampled :

VN1227WBSD01

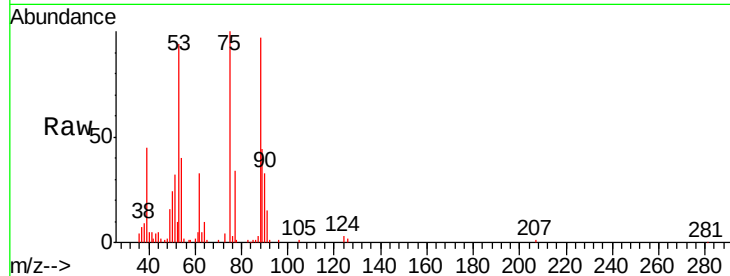
Tgt Ion: 75 Resp: 57216

Ion Ratio Lower Upper

75 100

53 93.4 74.7 112.1

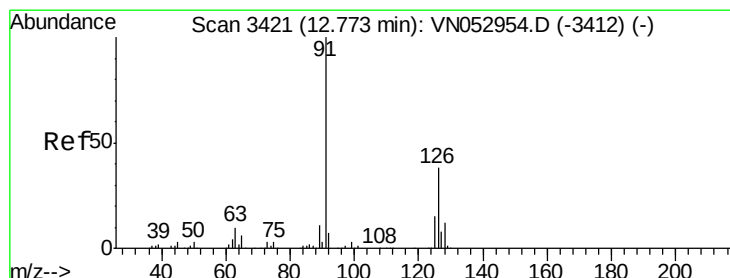
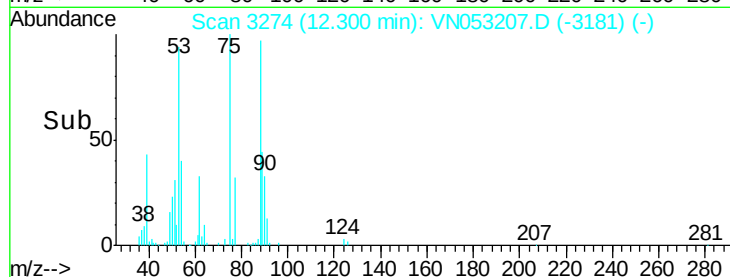
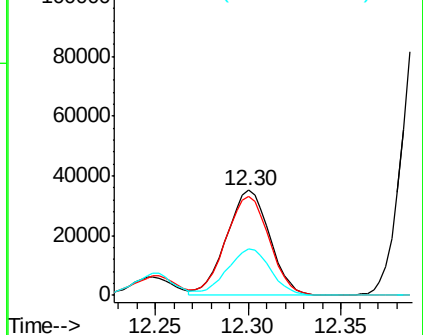
89 44.3 36.1 54.1



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: 21.662 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053207.D

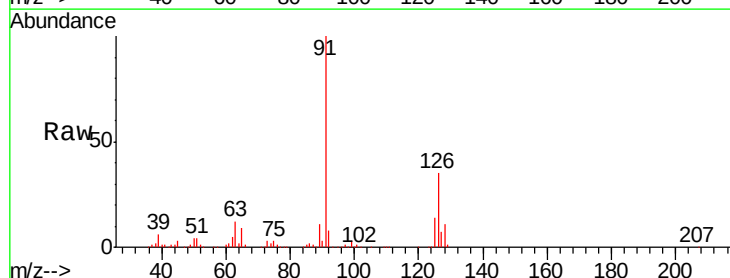
Acq: 27 Dec 2018 12:50

Tgt Ion: 91 Resp: 619533

Ion Ratio Lower Upper

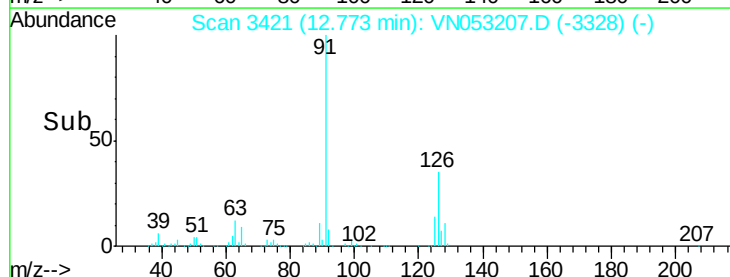
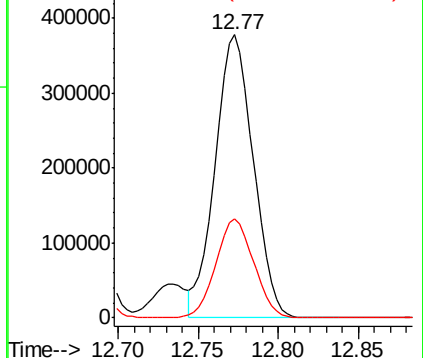
91 100

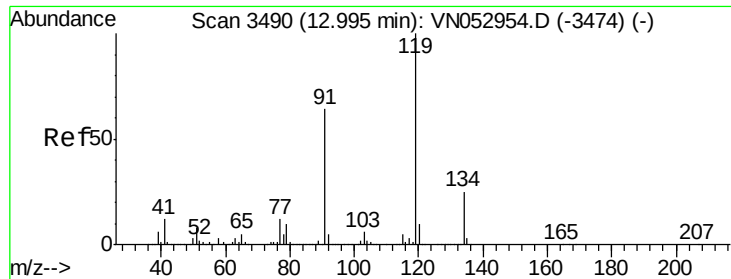
126 34.7 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

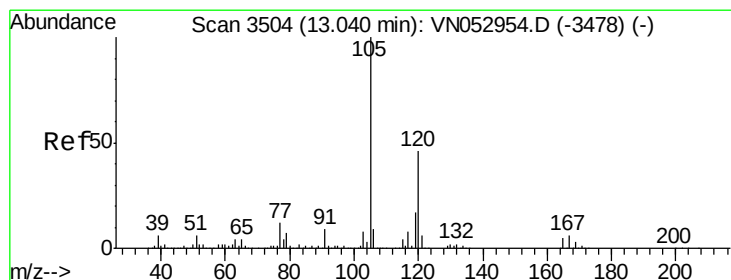
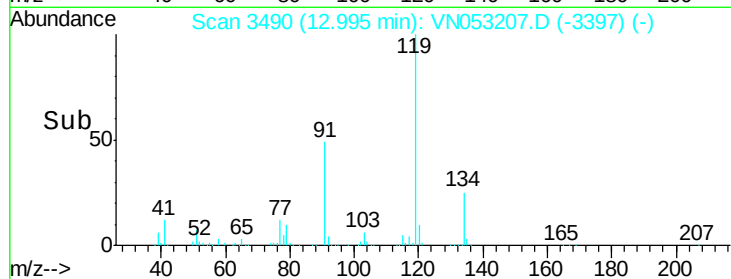
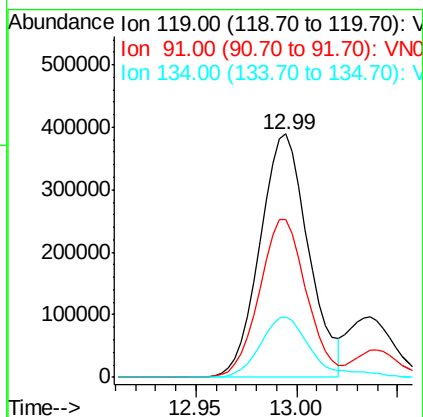
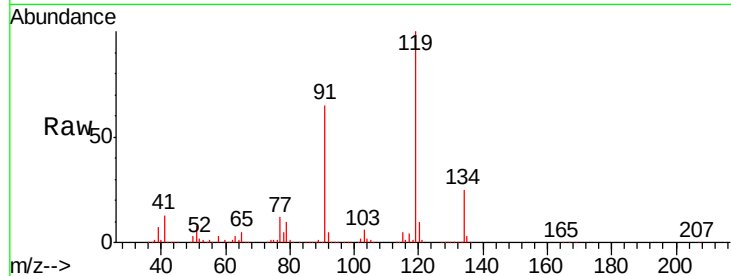




#83
 tert-Butylbenzene
 Concen: 21.816 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

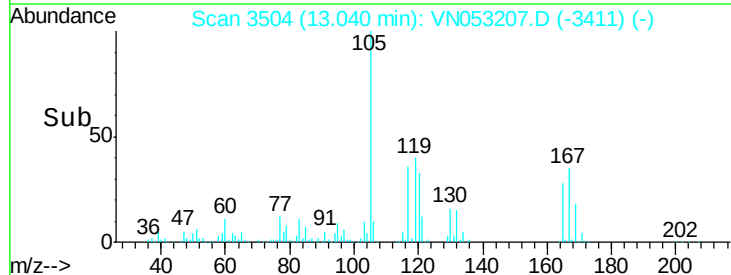
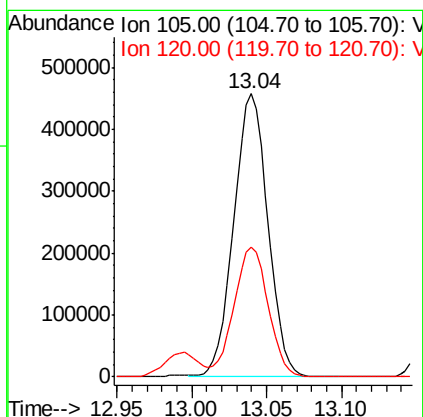
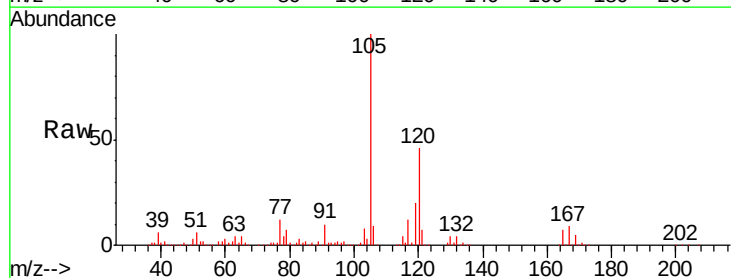
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

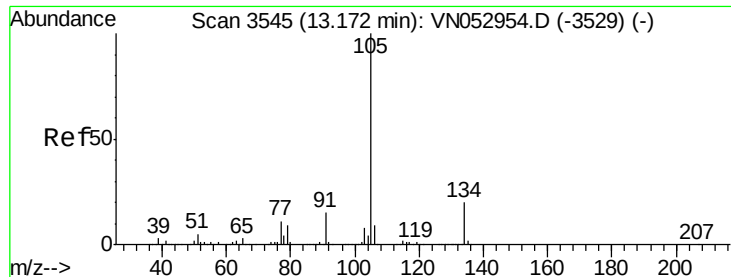
Tgt Ion:119 Resp: 650840
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.9 95.5
 134 26.1 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.384 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion:105 Resp: 725144
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.799 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

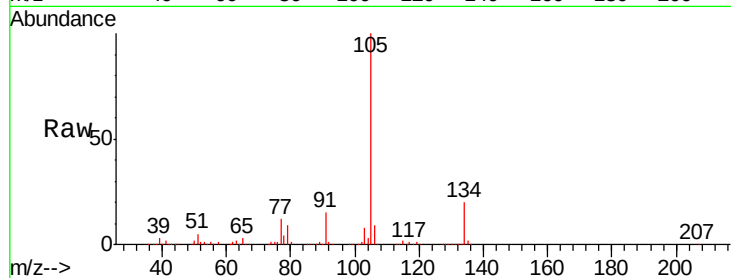
VN1227WBSD01

Tgt Ion:105 Resp: 839295

Ion Ratio Lower Upper

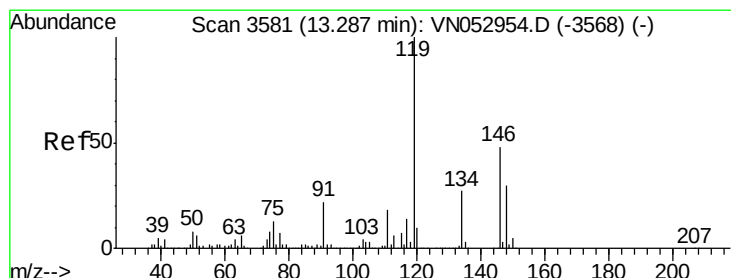
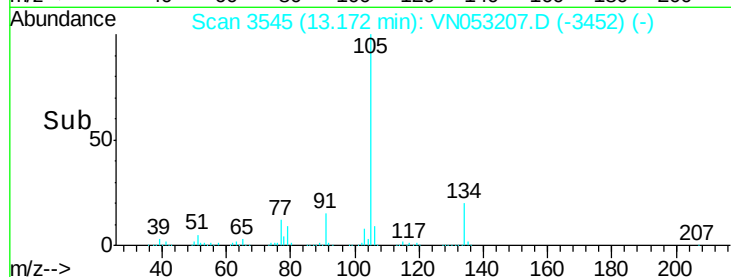
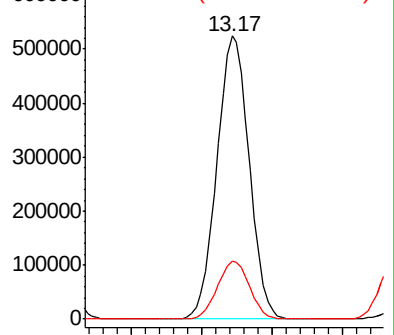
105 100

134 20.5 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: 20.302 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

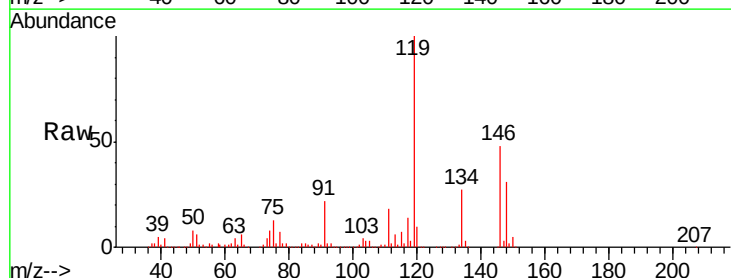
Tgt Ion:119 Resp: 707888

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

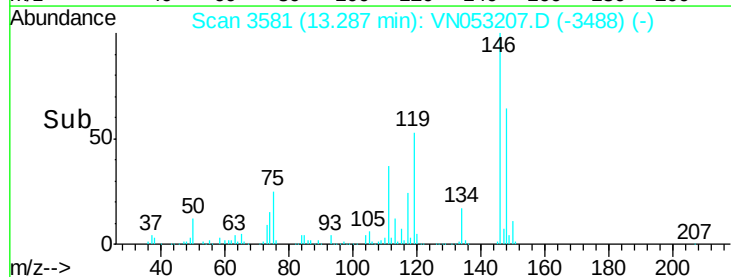
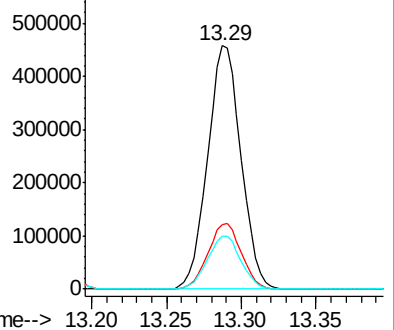
91 21.9 11.1 33.3

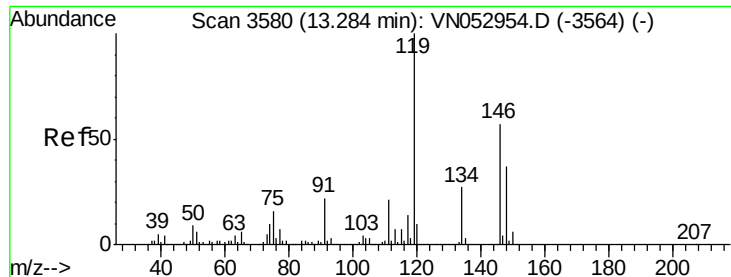


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.376 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1227WBSD01

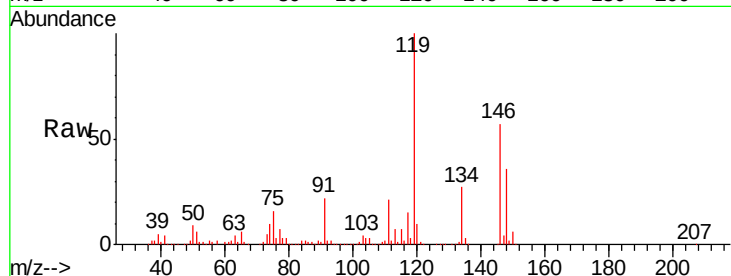
Tgt Ion:146 Resp: 387963

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.1

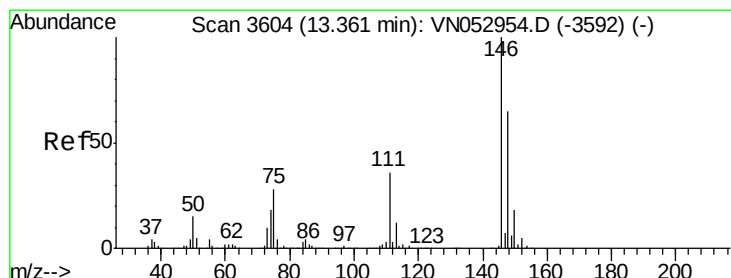
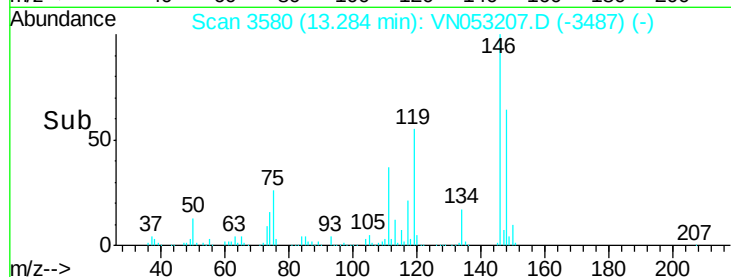
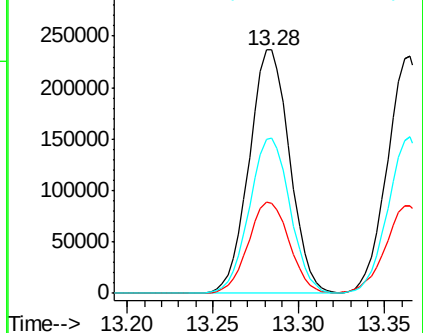
148 63.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.730 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053207.D

Acq: 27 Dec 2018 12:50

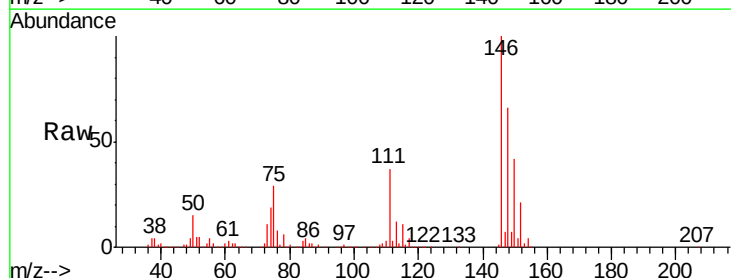
Tgt Ion:146 Resp: 380427

Ion Ratio Lower Upper

146 100

111 38.4 18.6 55.8

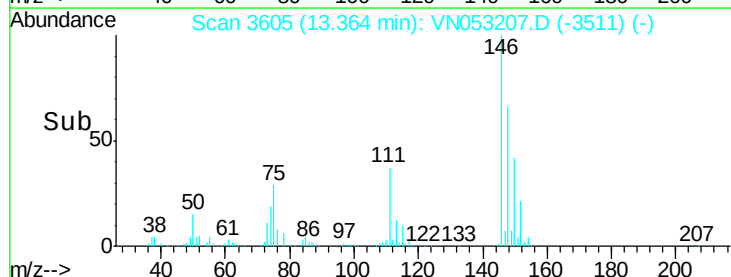
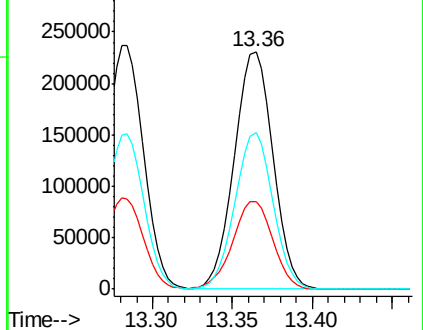
148 64.9 32.1 96.5

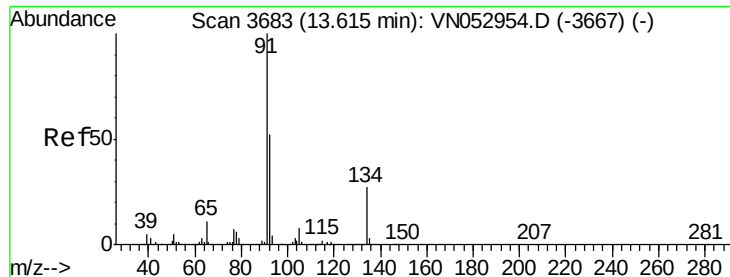


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

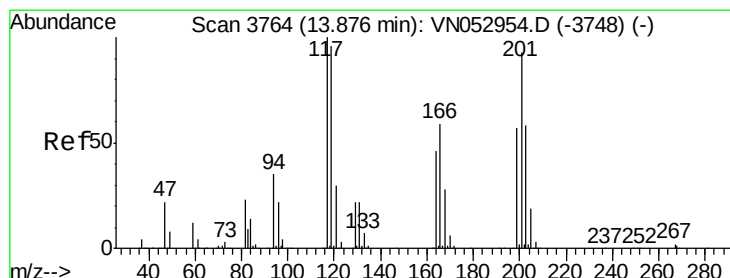
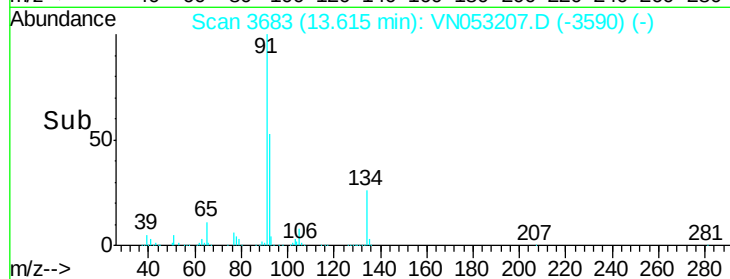
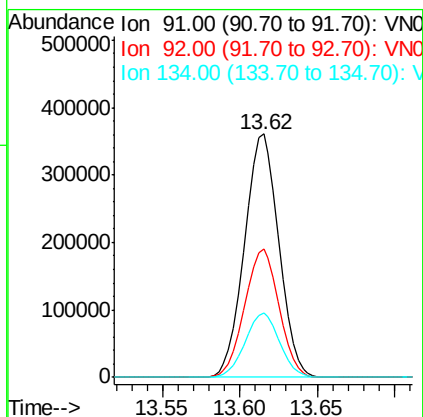
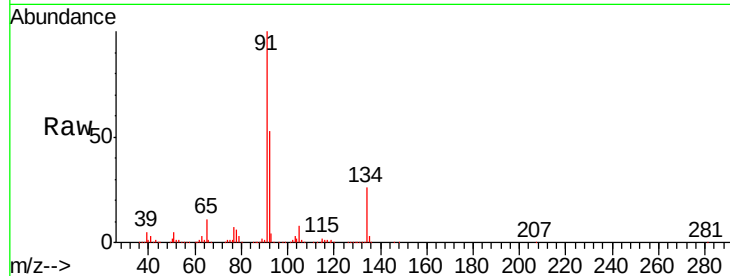




#89
n-Butylbenzene
Concen: 18.627 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

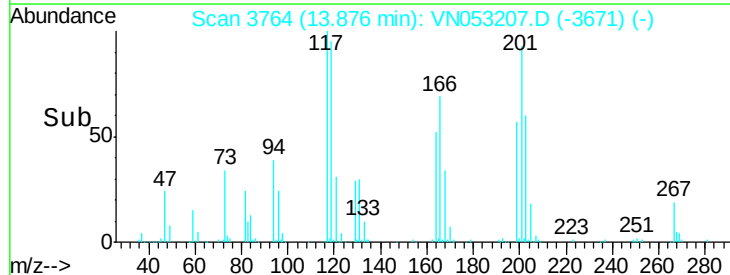
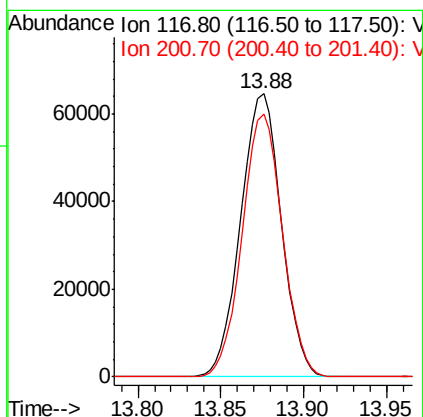
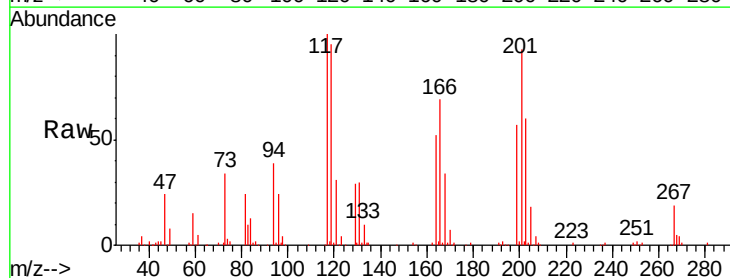
Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

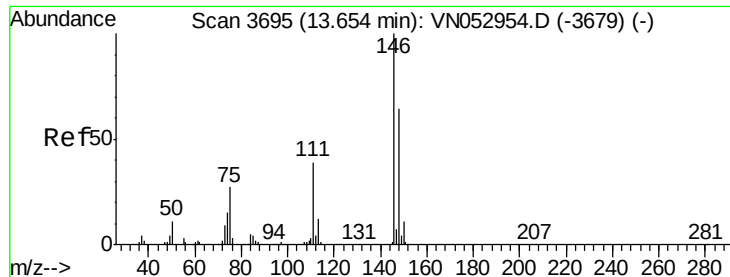
Tgt Ion: 91 Resp: 558761
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.9
134 26.3 13.3 39.8



#90
Hexachloroethane
Concen: 20.643 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion: 117 Resp: 110459
Ion Ratio Lower Upper
117 100
201 91.5 45.7 137.1

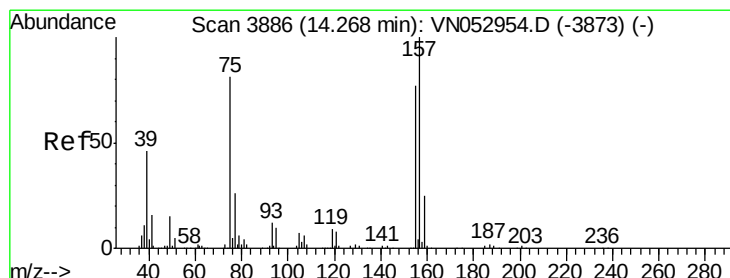
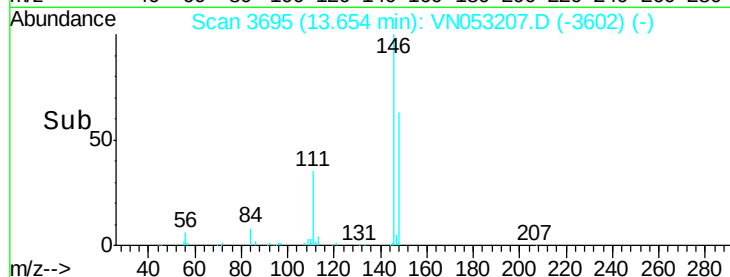
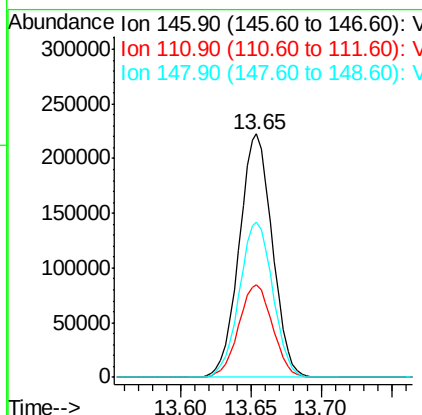
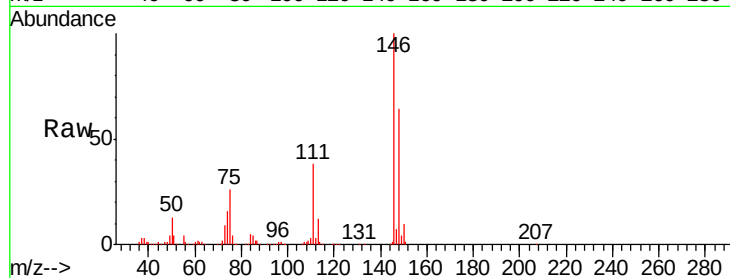




#91
 1,2-Dichlorobenzene
 Concen: 20.401 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

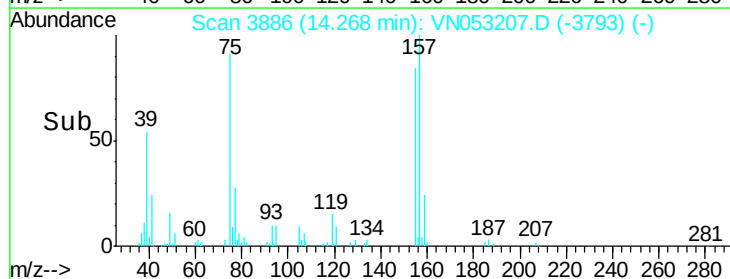
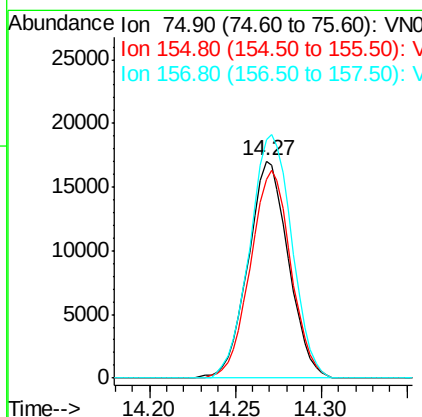
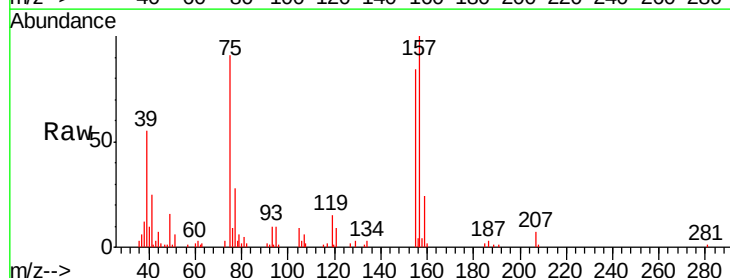
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1227WBSD01

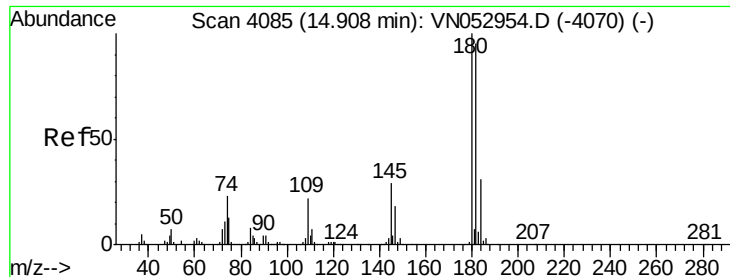
Tgt Ion: 146 Resp: 365574
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.0
 148 64.6 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.741 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion: 75 Resp: 27714
 Ion Ratio Lower Upper
 75 100
 155 96.0 48.2 144.6
 157 117.0 61.2 183.5

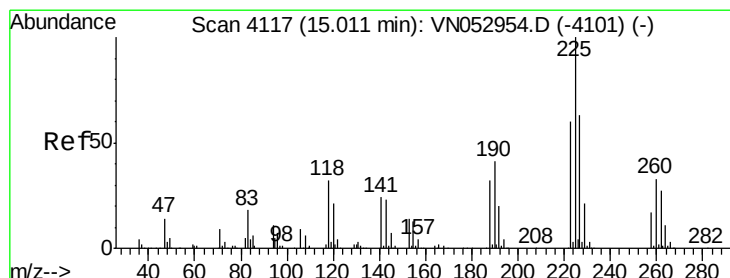
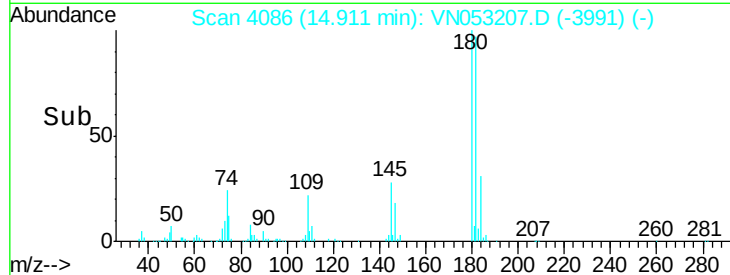
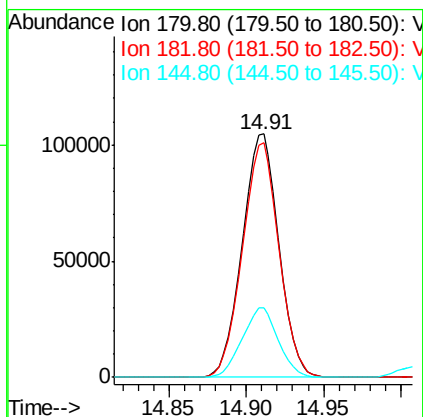
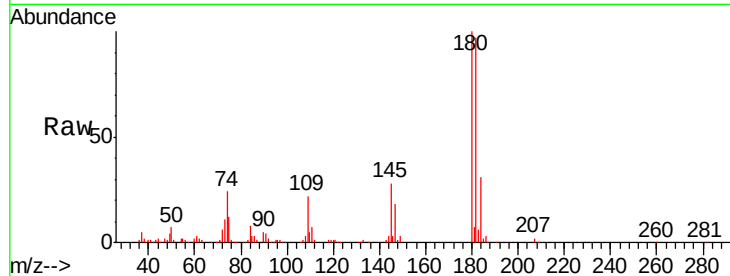




#93
 1,2,4-Trichlorobenzene
 Concen: 18.539 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

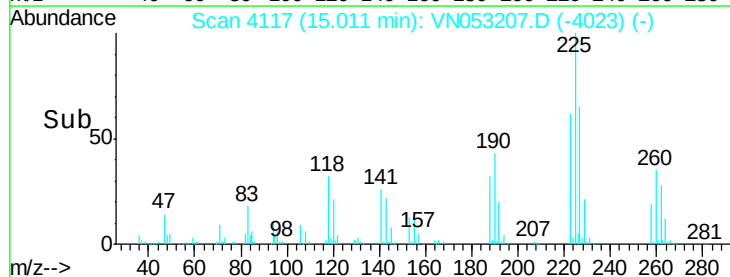
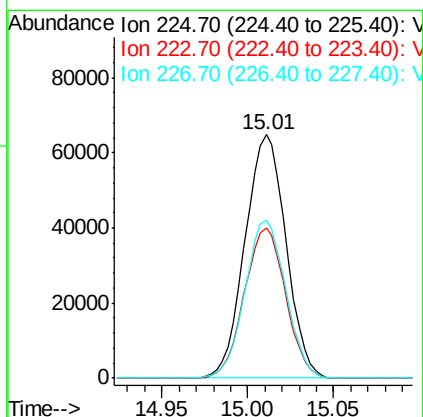
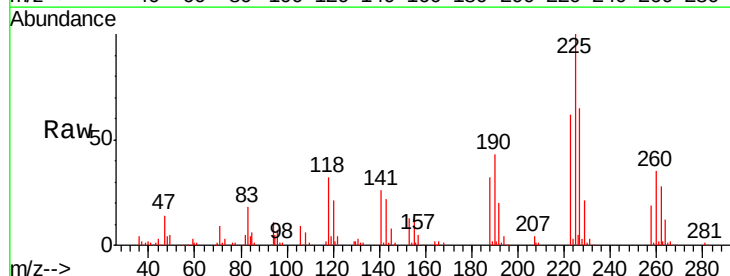
Instrument :
 MSVOA_N
 ClientSampled :
 VN1227WBSD01

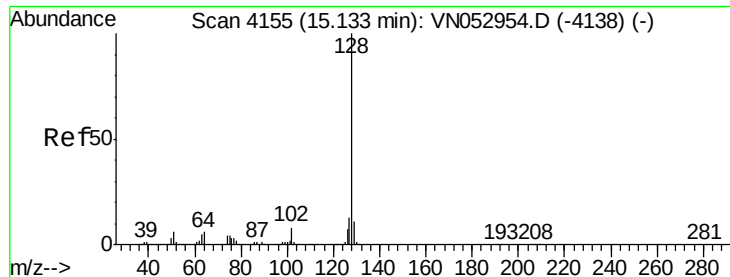
Tgt Ion:180 Resp: 172401
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.8 143.3
 145 28.1 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 20.093 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053207.D
 Acq: 27 Dec 2018 12:50

Tgt Ion:225 Resp: 107217
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.5 94.5
 227 64.3 31.9 95.7

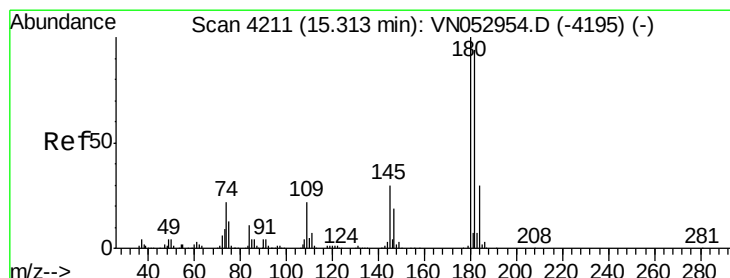
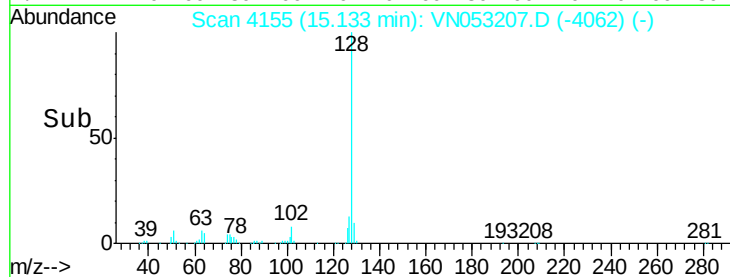
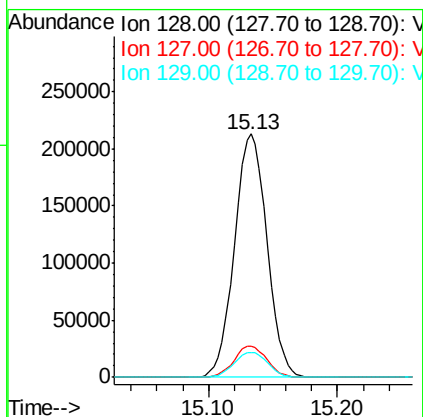
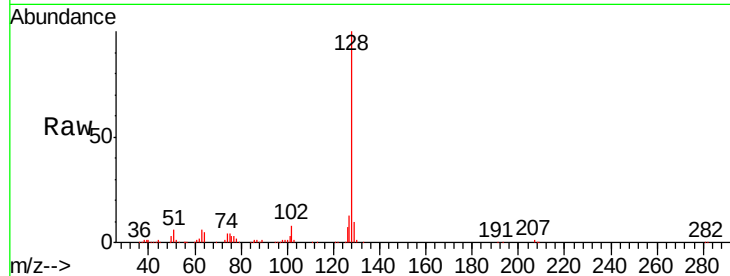




#95
Naphthalene
Concen: 18.643 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:128 Resp: 372412
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.785 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN053207.D
Acq: 27 Dec 2018 12:50

Tgt Ion:180 Resp: 157859
Ion Ratio Lower Upper
180 100
182 95.5 47.9 143.7
145 30.4 15.0 45.0

