

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111218\
 Data File : VN052253.D
 Acq On : 12 Nov 2018 10:46
 Operator : MD\SY
 Sample : VN1112WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Quant Time: Nov 13 00:11:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	296232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	492955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	434926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191652	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	179779	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	
35) Dibromofluoromethane	7.59	113	149200	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
50) Toluene-d8	10.09	98	584036	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
62) 4-Bromofluorobenzene	12.40	95	188720	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	62280	19.339	ug/l	97
3) Chloromethane	2.06	50	82369	18.319	ug/l	99
4) Vinyl Chloride	2.19	62	70476	18.813	ug/l	98
5) Bromomethane	2.58	94	42972	18.079	ug/l	95
6) Chloroethane	2.71	64	38860	17.468	ug/l	93
7) Trichlorofluoromethane	3.02	101	94468	18.115	ug/l	99
8) Diethyl Ether	3.41	74	34065	16.604	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	59943	17.916	ug/l	99
10) Methyl Iodide	3.95	142	74483	17.158	ug/l	99
11) Tert butyl alcohol	4.77	59	14805	71.292	ug/l #	91
12) 1,1-Dichloroethene	3.75	96	53950	17.420	ug/l	98
13) Acrolein	3.61	56	23757	97.762	ug/l	98
14) Allyl chloride	4.33	41	112441	17.342	ug/l	98
15) Acrylonitrile	4.98	53	98701	77.331	ug/l	98
16) Acetone	3.81	43	87843	78.263	ug/l	97
17) Carbon Disulfide	4.06	76	162967	18.140	ug/l	100
18) Methyl Acetate	4.33	43	52352	15.465	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	149129	16.855	ug/l	97
20) Methylene Chloride	4.55	84	64280	17.405	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	59708	17.739	ug/l	97
22) Diisopropyl ether	5.95	45	230289	17.717	ug/l	95
23) Vinyl Acetate	5.90	43	741673	83.158	ug/l	100
24) 1,1-Dichloroethane	5.85	63	119768	17.445	ug/l	99
25) 2-Butanone	6.83	43	126448	73.166	ug/l	97
26) 2,2-Dichloropropane	6.83	77	92431	18.434	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	67048	17.796	ug/l	97
28) Bromochloromethane	7.19	49	63178	18.624	ug/l	98
29) Tetrahydrofuran	7.21	42	79089	70.317	ug/l	98
30) Chloroform	7.37	83	115050	17.707	ug/l	97
31) Cyclohexane	7.66	56	120538	18.559	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	97557	18.421	ug/l	97
36) 1,1-Dichloropropene	7.79	75	89005	17.888	ug/l	96
37) Ethyl Acetate	6.93	43	55887	14.934	ug/l	97
38) Carbon Tetrachloride	7.77	117	84115	18.655	ug/l	99

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Quant Time: Nov 13 00:11:57 2018
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 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	108785	19.168	ug/l	97
40) Benzene	8.04	78	265706	18.651	ug/l	99
41) Methacrylonitrile	7.21	41	80713	37.117	ug/l #	23
42) 1,2-Dichloroethane	8.12	62	87537	17.513	ug/l	99
43) Isopropyl Acetate	8.16	43	102123	15.656	ug/l	98
44) Trichloroethene	8.83	130	65067	18.227	ug/l	99
45) 1,2-Dichloropropane	9.12	63	72399	18.191	ug/l	99
46) Dibromomethane	9.21	93	40425	17.684	ug/l	97
47) Bromodichloromethane	9.40	83	84135	17.764	ug/l	98
48) Methyl methacrylate	9.20	41	52626	15.312	ug/l	97
49) 1,4-Dioxane	9.19	88	8524	308.514	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	276980	76.888	ug/l	100
52) Toluene	10.15	92	158747	18.473	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	83736	17.916	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	99742	18.078	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	53692	17.286	ug/l	97
56) Ethyl methacrylate	10.43	69	67858	16.165	ug/l	98
57) 1,3-Dichloropropane	10.71	76	95515	17.178	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	195540	84.124	ug/l	98
59) 2-Hexanone	10.75	43	189768	75.041	ug/l	100
60) Dibromochloromethane	10.90	129	56889	18.057	ug/l	100
61) 1,2-Dibromoethane	11.00	107	52627	17.240	ug/l	99
64) Tetrachloroethene	10.63	164	57100	18.752	ug/l	98
65) Chlorobenzene	11.43	112	170596	18.511	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	58536	18.751	ug/l	99
67) Ethyl Benzene	11.51	91	299678	18.487	ug/l	99
68) m/p-Xylenes	11.62	106	225534	37.360	ug/l	98
69) o-Xylene	11.94	106	108568	18.824	ug/l	100
70) Styrene	11.96	104	172910	18.557	ug/l	99
71) Bromoform	12.12	173	31488	16.908	ug/l #	99
73) Isopropylbenzene	12.25	105	291620	18.614	ug/l	99
74) N-amyl acetate	12.07	43	87153	15.323	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	63315	16.485	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	79903	23.564	ug/l #	100
77) Bromobenzene	12.52	156	65745	17.928	ug/l	99
78) n-propylbenzene	12.59	91	343386	18.714	ug/l	100
79) 2-Chlorotoluene	12.67	91	198273	18.652	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	234812	18.846	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	15638	15.742	ug/l	94
82) 4-Chlorotoluene	12.77	91	195861	18.363	ug/l	99
83) tert-Butylbenzene	12.99	119	203747	18.731	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	238597	18.993	ug/l	98
85) sec-Butylbenzene	13.17	105	286700	19.220	ug/l	99
86) p-Isopropyltoluene	13.29	119	239054	19.156	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	117799	18.452	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	114677	17.943	ug/l	98
89) n-Butylbenzene	13.61	91	210259	18.921	ug/l	100
90) Hexachloroethane	13.87	117	39570	18.065	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	110601	17.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	8256	15.120	ug/l	99

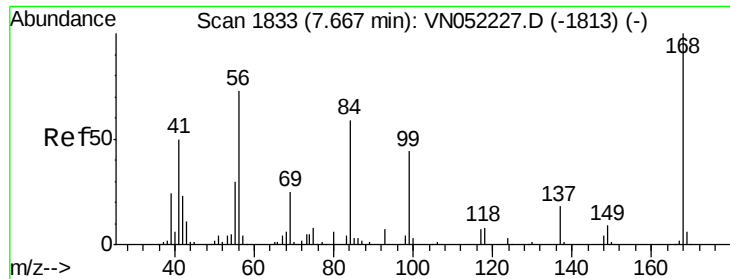
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111218\
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Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:34:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46646	18.934	ug/l	100
94) Hexachlorobutadiene	15.01	225	26329	19.667	ug/l	99
95) Naphthalene	15.13	128	96841	15.949	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	42013	18.037	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampled :

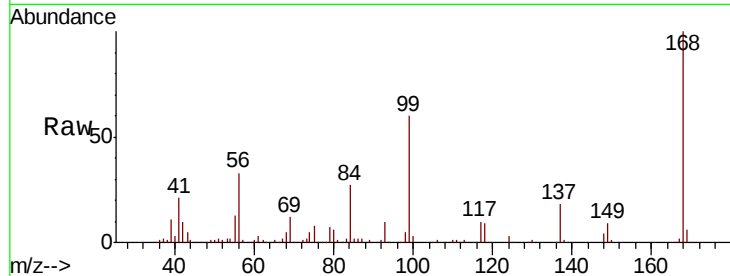
VN1112WBS01

Tot Ion:168 Resp: 296232

Ion Ratio Lower Upper

168 100

99 59.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

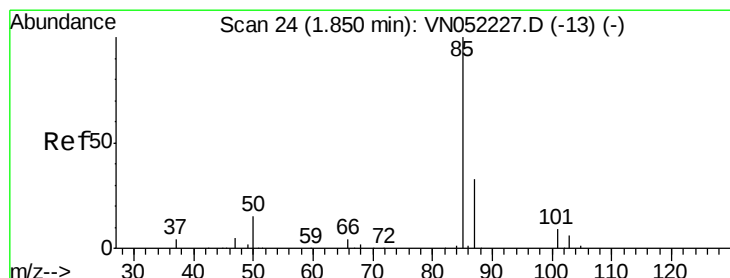
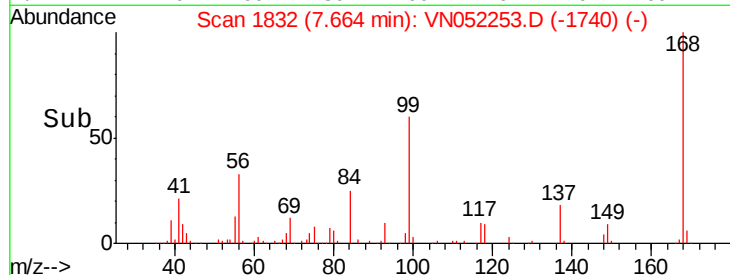
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.339 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052253.D

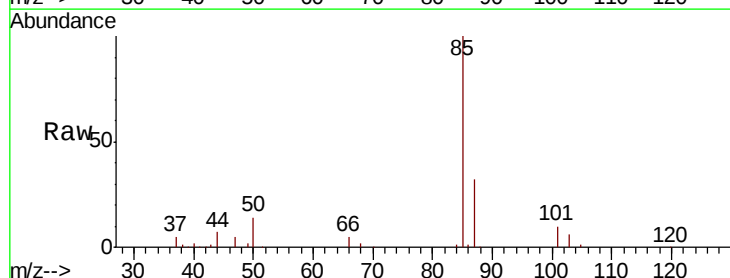
Acq: 12 Nov 2018 10:46

Tgt Ion: 85 Resp: 62280

Ion Ratio Lower Upper

85 100

87 31.7 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

50000

40000

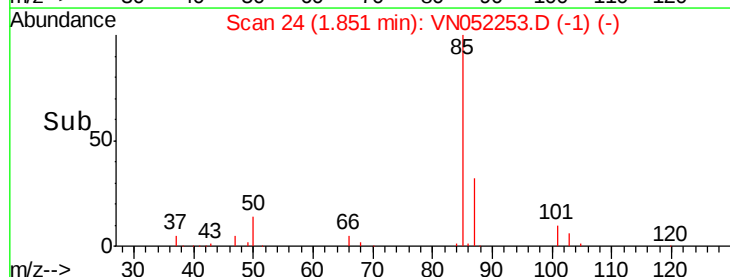
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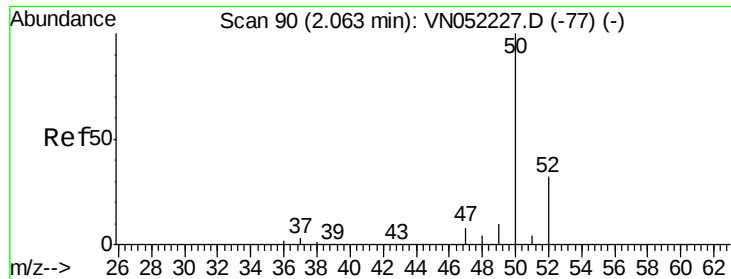
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.319 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

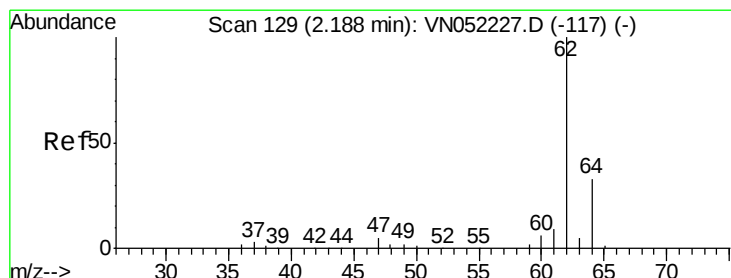
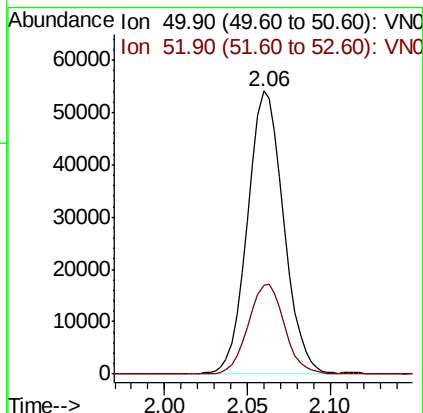
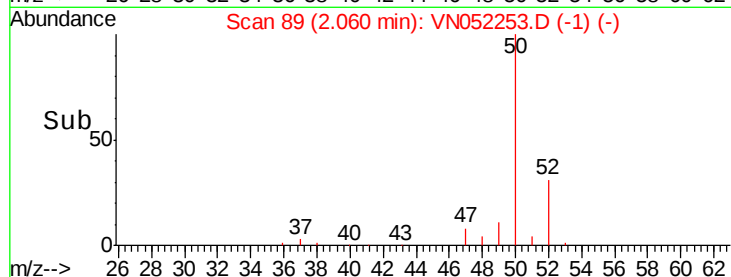
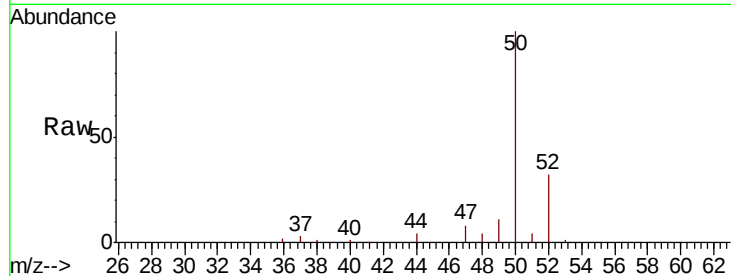
VN1112WBS01

Tot Ion: 50 Resp: 82369

Ion Ratio Lower Upper

50 100

52 31.5 25.7 38.5



#4

Vinyl Chloride

Concen: 18.813 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052253.D

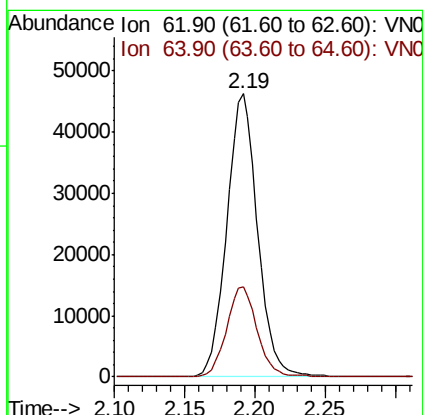
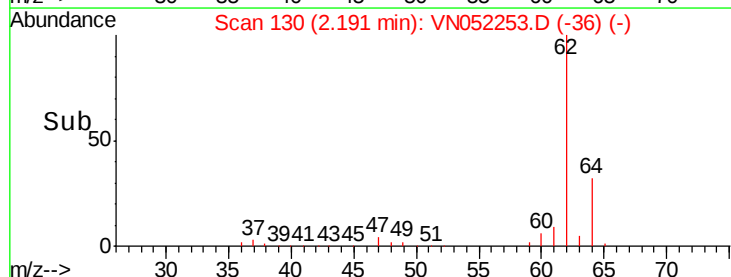
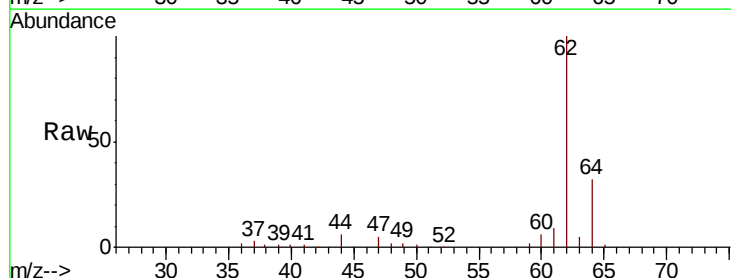
Acq: 12 Nov 2018 10:46

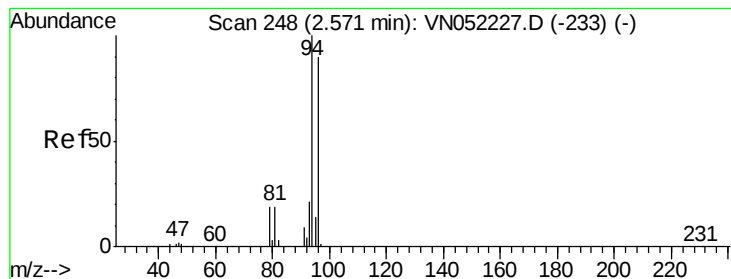
Tgt Ion: 62 Resp: 70476

Ion Ratio Lower Upper

62 100

64 31.7 26.1 39.1





#5

Bromomethane

Concen: 18.079 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampled :

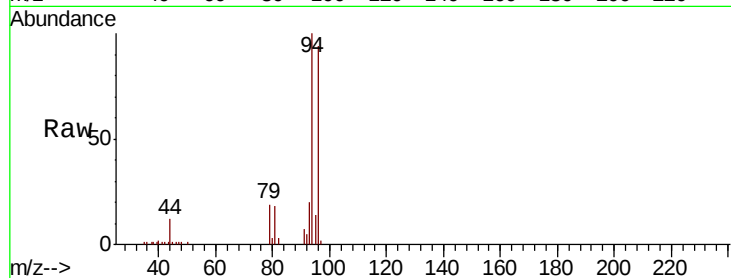
VN1112WBS01

Tot Ion: 94 Resp: 42972

Ion Ratio Lower Upper

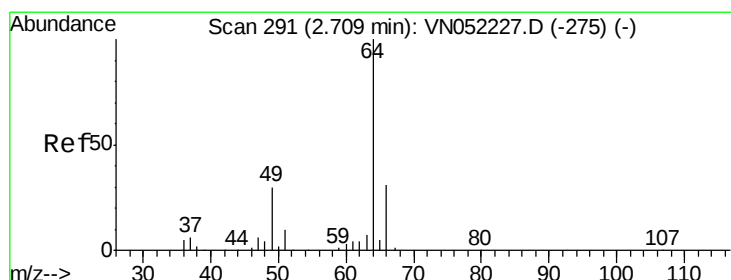
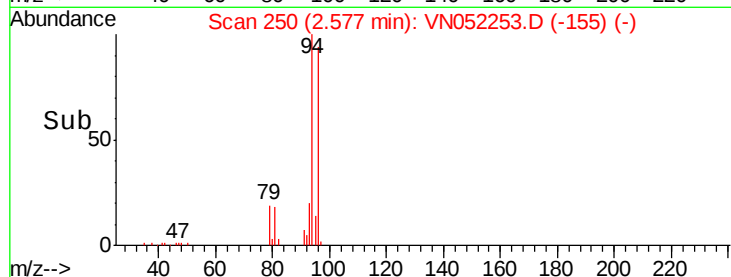
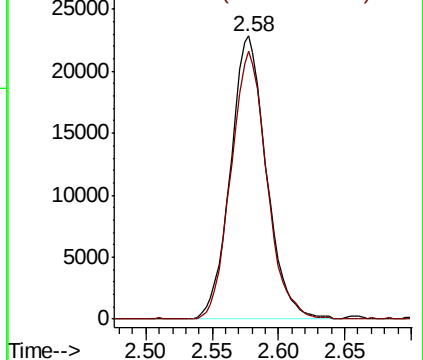
94 100

96 94.5 71.8 107.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.468 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052253.D

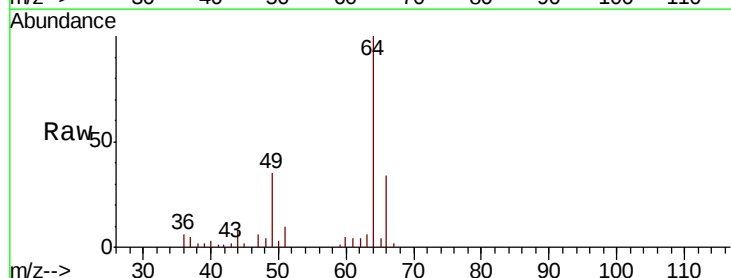
Acq: 12 Nov 2018 10:46

Tgt Ion: 64 Resp: 38860

Ion Ratio Lower Upper

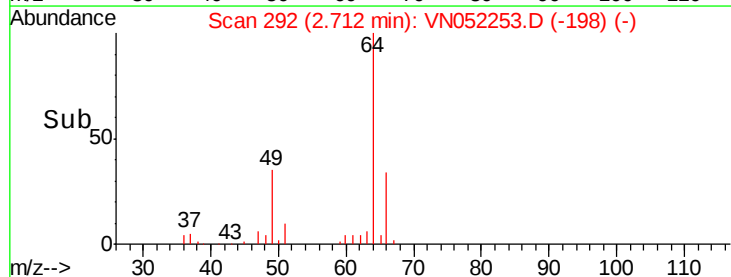
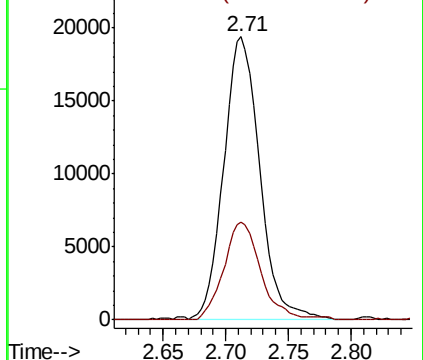
64 100

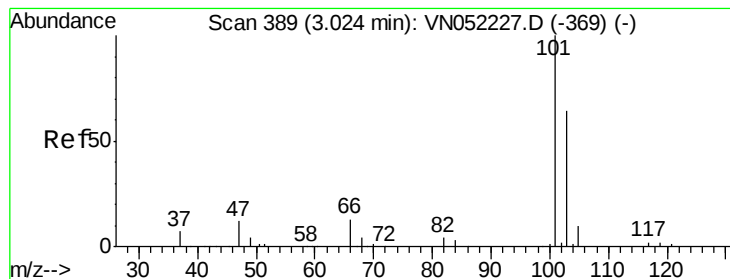
66 34.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



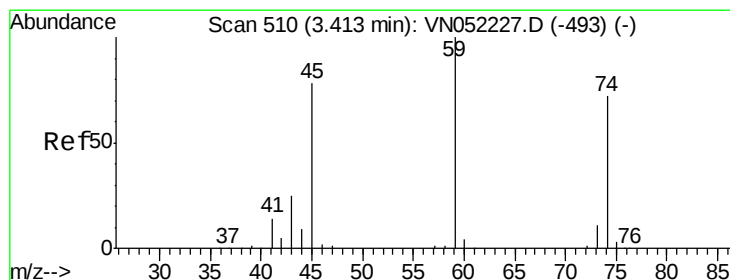
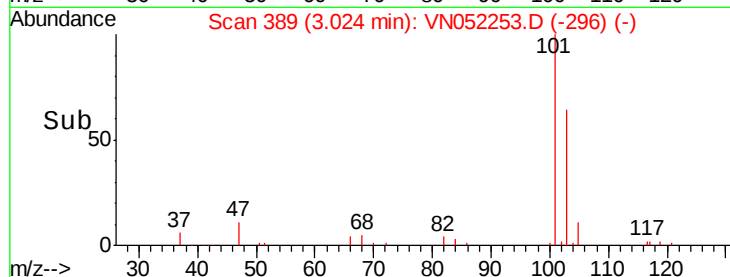
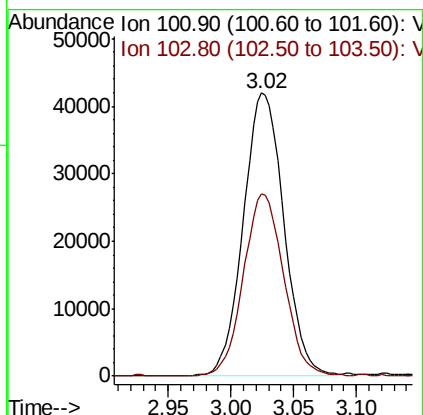
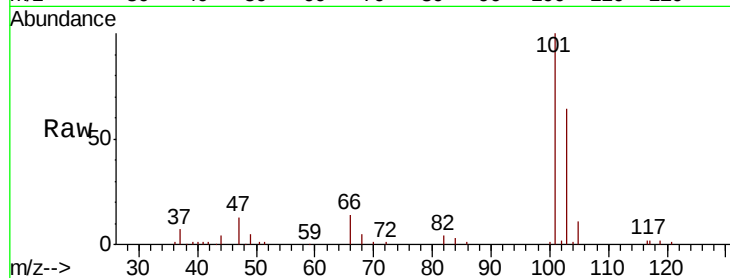


#7

Trichlorofluoromethane
 Concen: 18.115 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

Instrument :
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 VN1112WBS01

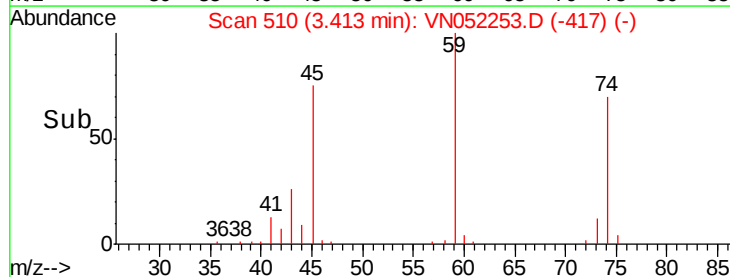
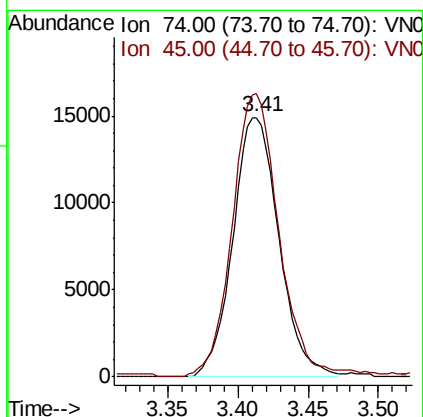
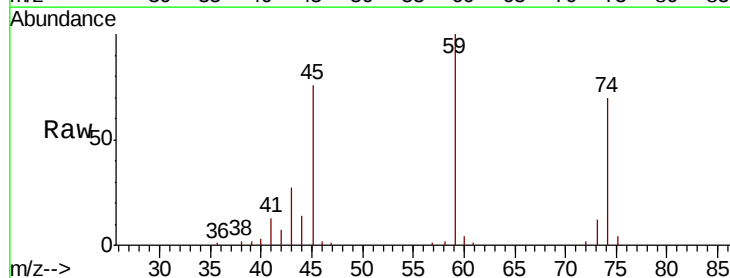
Tot Ion:101 Resp: 94468
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.2 76.8

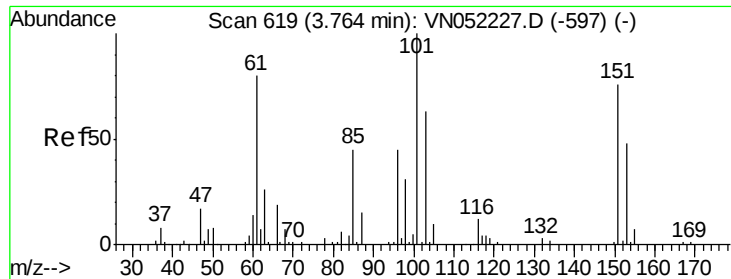


#8

Diethyl Ether
 Concen: 16.604 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

Tgt Ion: 74 Resp: 34065
 Ion Ratio Lower Upper
 74 100
 45 109.7 55.5 166.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.916 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampled :

VN1112WBS01

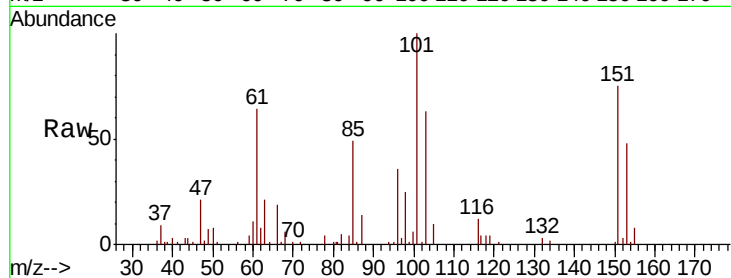
Tot Ion:101 Resp: 59943

Ion Ratio Lower Upper

101 100

85 46.3 36.2 54.4

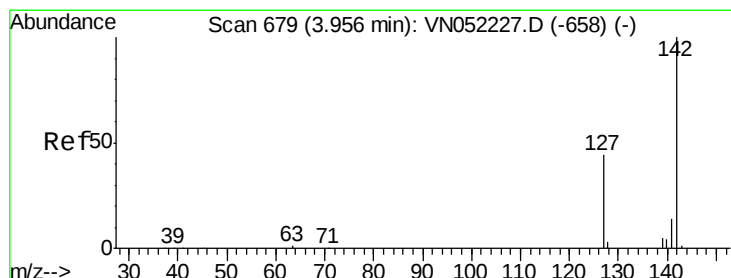
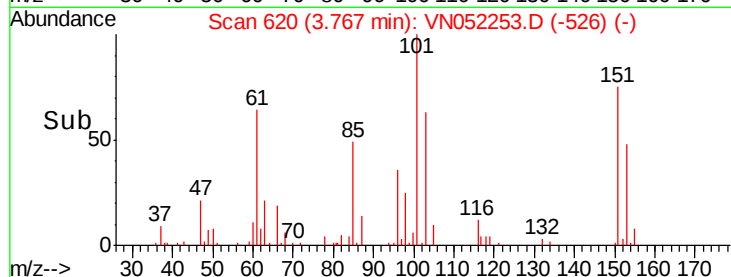
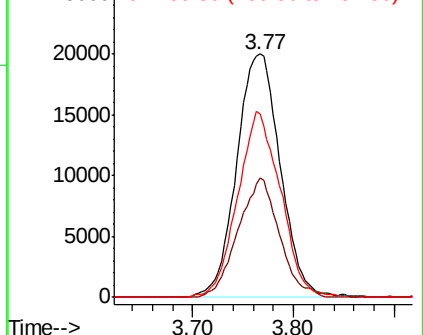
151 75.0 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.158 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

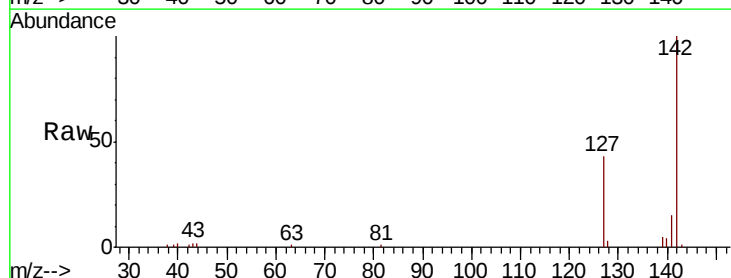
Tgt Ion:142 Resp: 74483

Ion Ratio Lower Upper

142 100

127 43.9 35.3 52.9

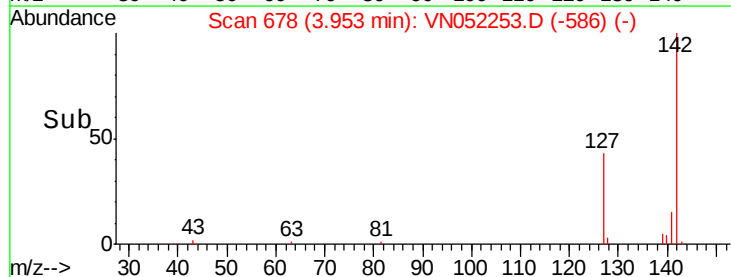
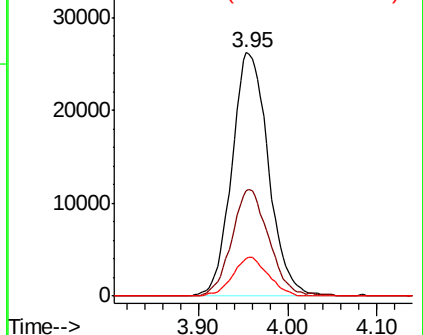
141 15.4 11.8 17.6

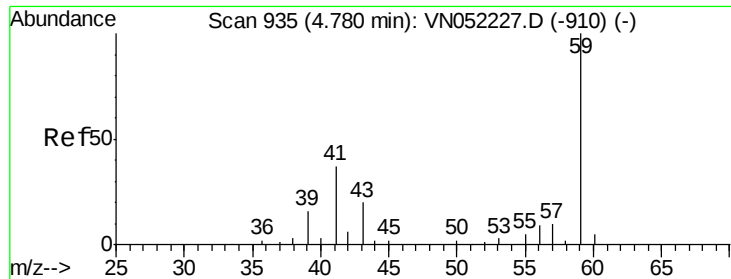


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

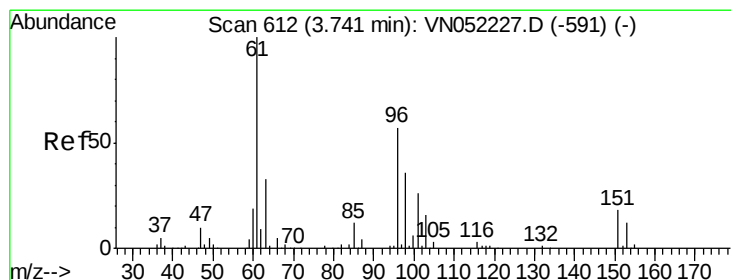
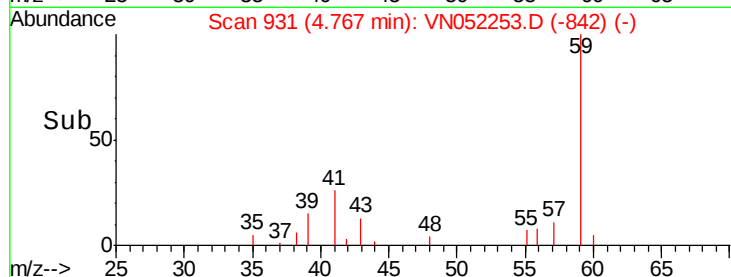
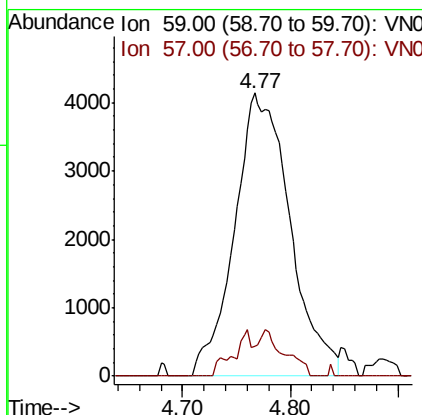
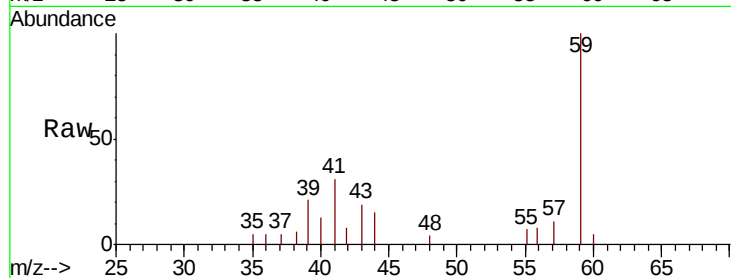




#11
Tert butyl alcohol
Concen: 71.292 ug/l
RT: 4.77 min Scan# 931
Delta R.T. -0.01 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

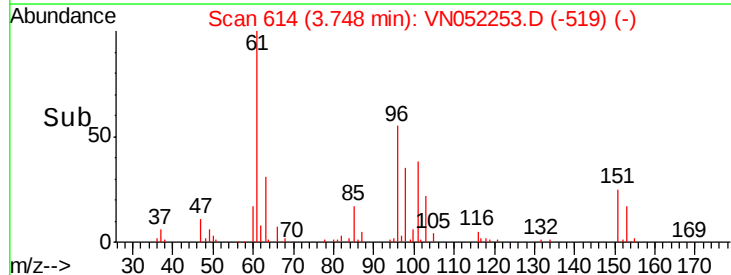
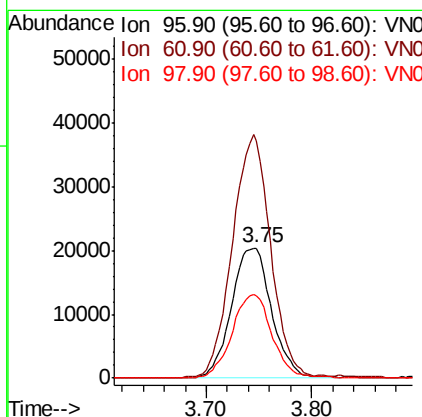
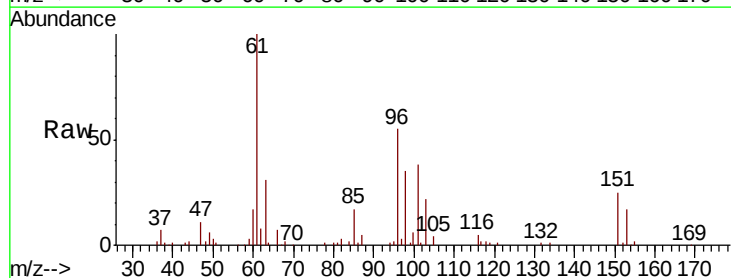
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

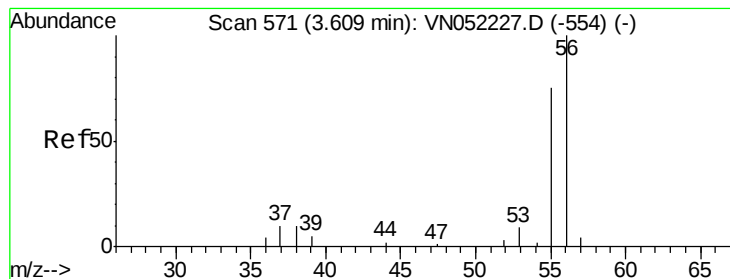
Tot Ion: 59 Resp: 14805
Ion Ratio Lower Upper
59 100
57 7.5 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 17.420 ug/l
RT: 3.75 min Scan# 614
Delta R.T. 0.01 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Tgt Ion: 96 Resp: 53950
Ion Ratio Lower Upper
96 100
61 180.6 141.1 211.7
98 63.3 50.3 75.5





#13

Acrolein

Concen: 97.762 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

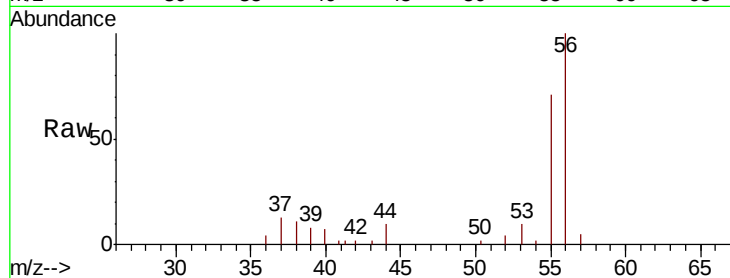
VN1112WBS01

Tot Ion: 56 Resp: 23757

Ion Ratio Lower Upper

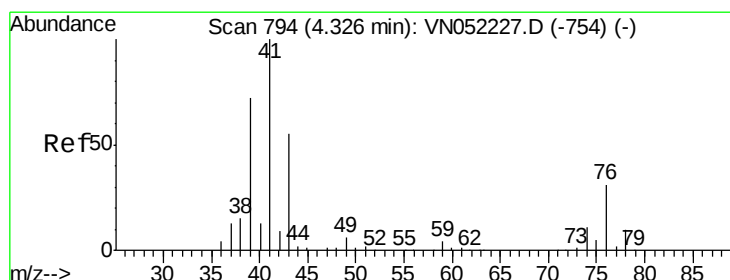
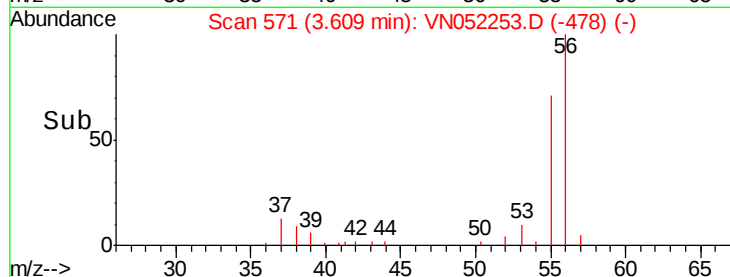
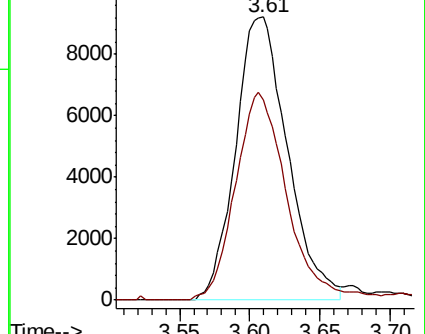
56 100

55 72.8 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.342 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

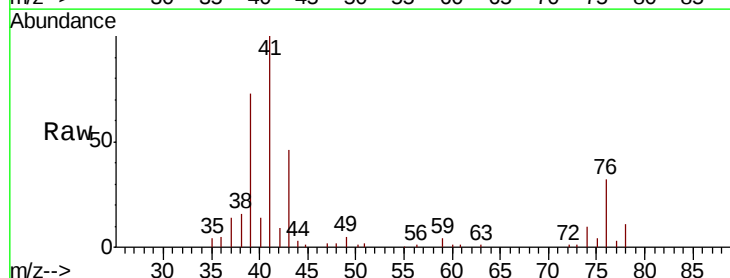
Tgt Ion: 41 Resp: 112441

Ion Ratio Lower Upper

41 100

39 67.9 55.1 82.7

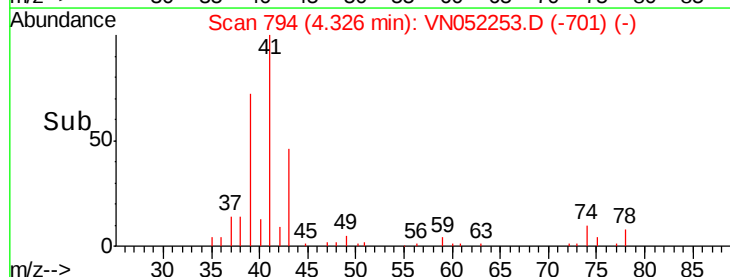
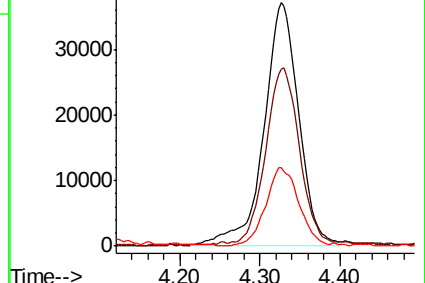
76 30.8 23.6 35.4

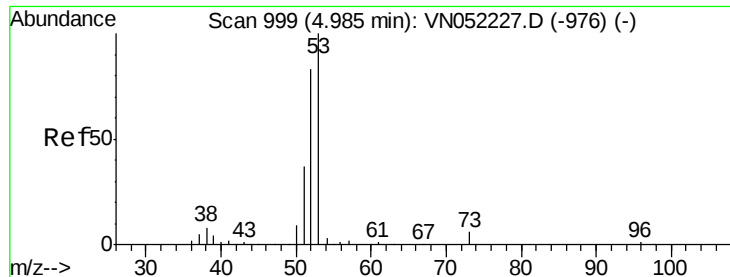


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 77.331 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

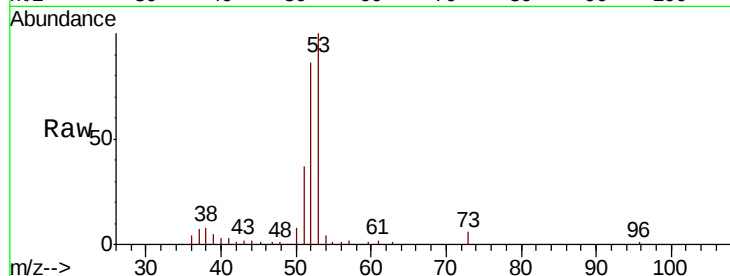
Tot Ion: 53 Resp: 98701

Ion Ratio Lower Upper

53 100

52 85.2 66.7 100.1

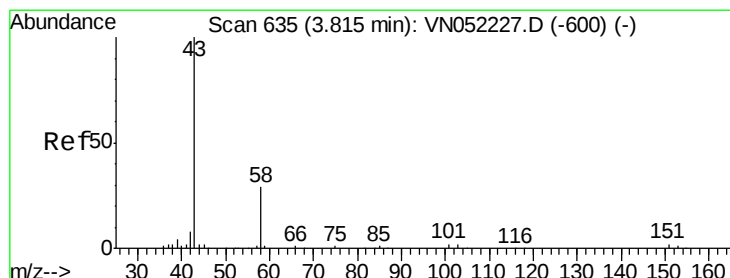
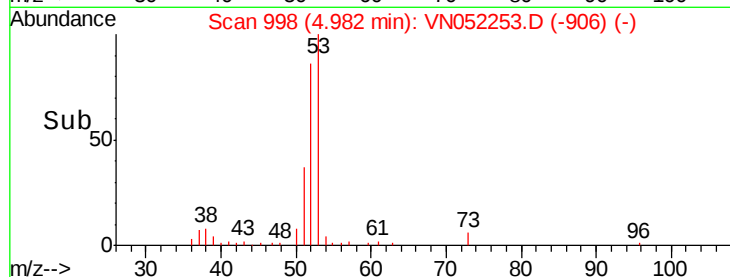
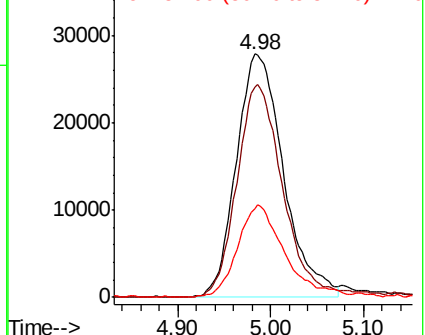
51 37.7 29.4 44.0



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: 78.263 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052253.D

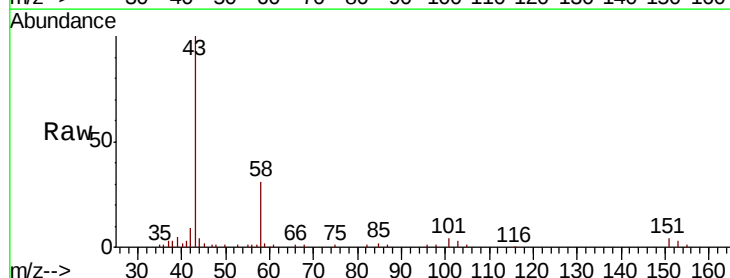
Acq: 12 Nov 2018 10:46

Tgt Ion: 43 Resp: 87843

Ion Ratio Lower Upper

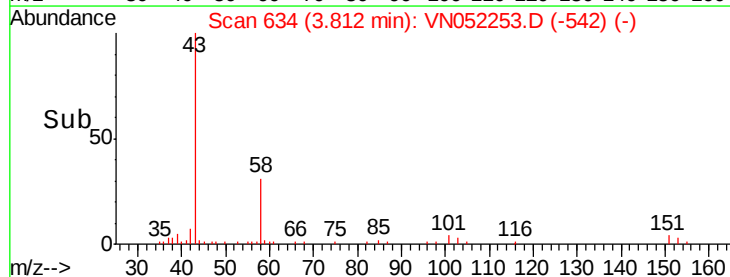
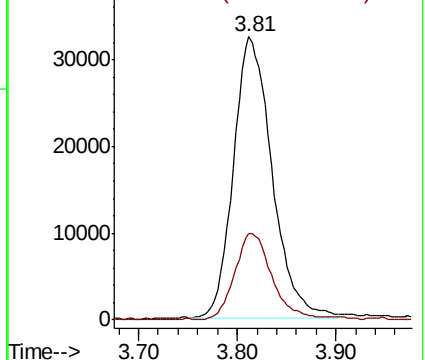
43 100

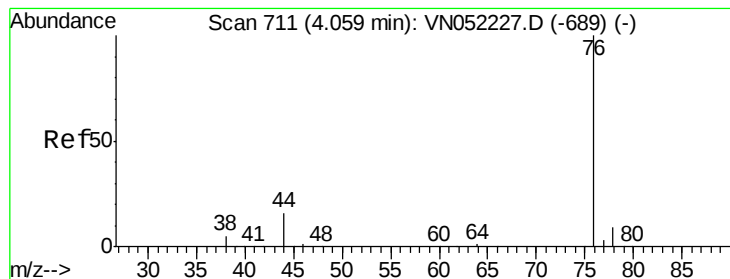
58 30.4 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.140 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

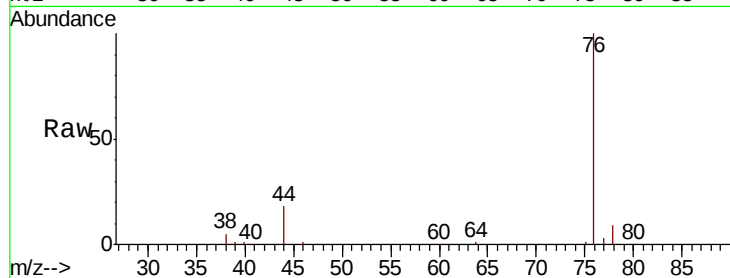
VN1112WBS01

Tot Ion: 76 Resp: 162967

Ion Ratio Lower Upper

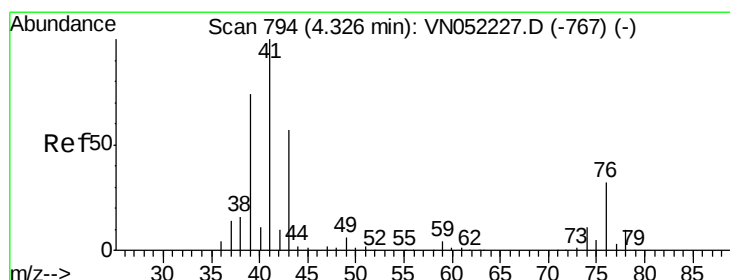
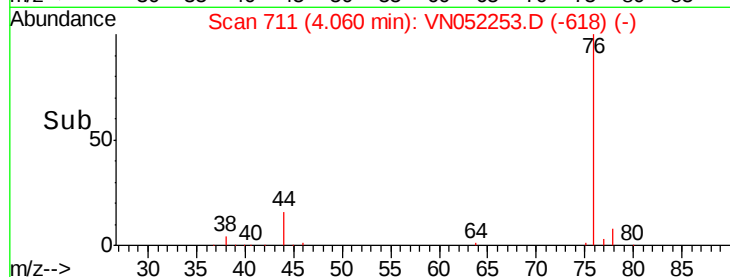
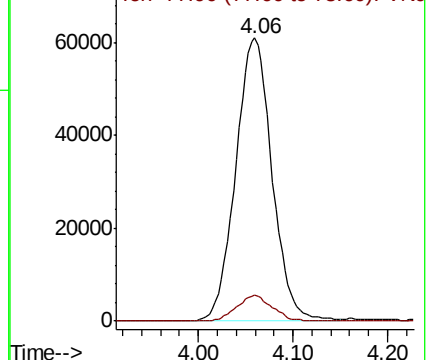
76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 15.465 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052253.D

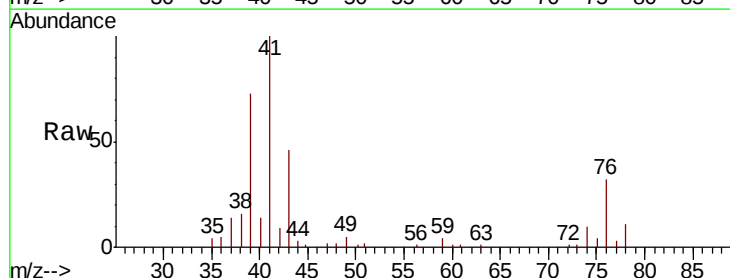
Acq: 12 Nov 2018 10:46

Tgt Ion: 43 Resp: 52352

Ion Ratio Lower Upper

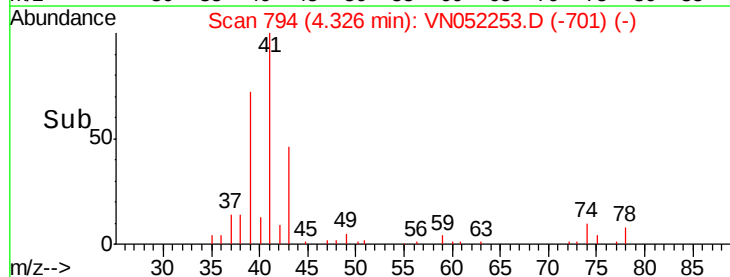
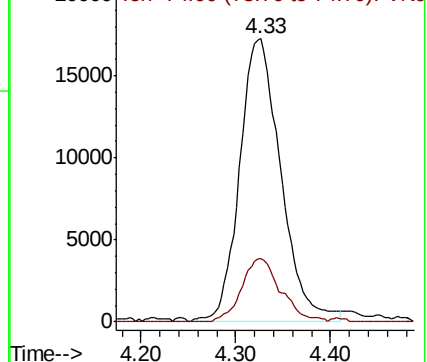
43 100

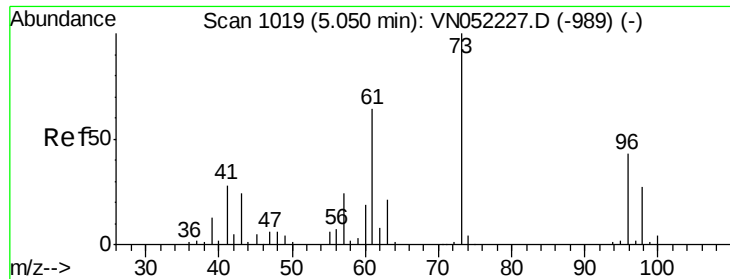
74 21.2 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

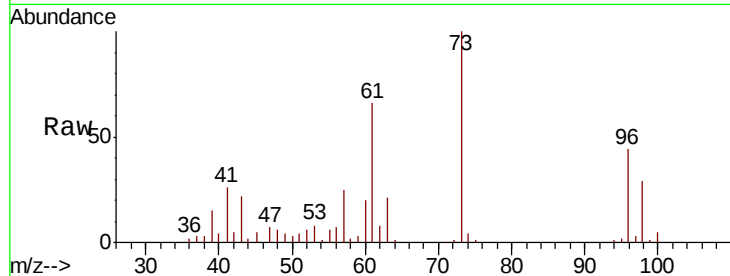




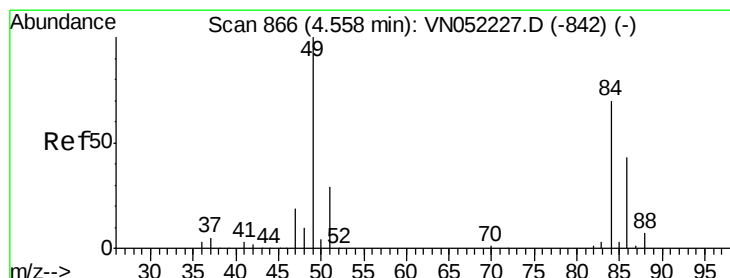
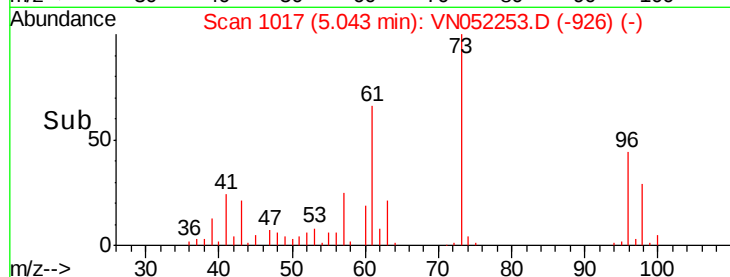
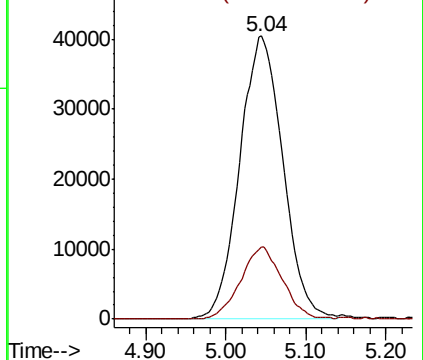
#19
Methvl tert-butvl Ether
Concen: 16.855 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion: 73 Resp: 149129
Ion Ratio Lower Upper
73 100
57 25.5 19.1 28.7

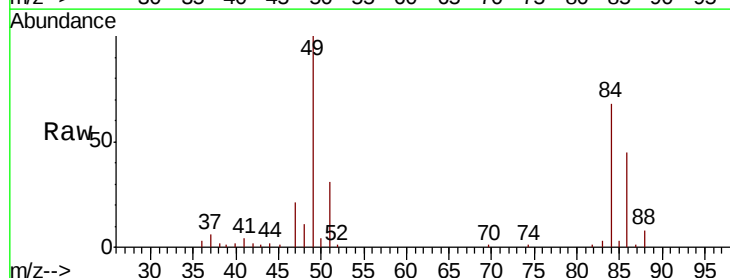


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

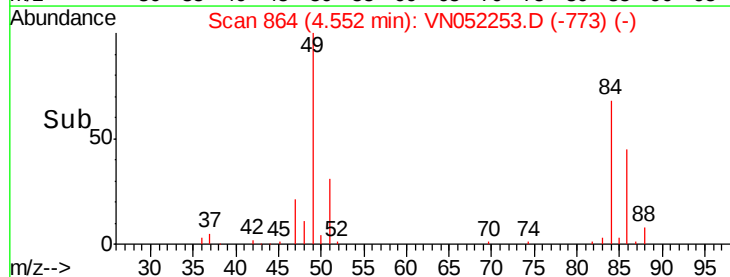
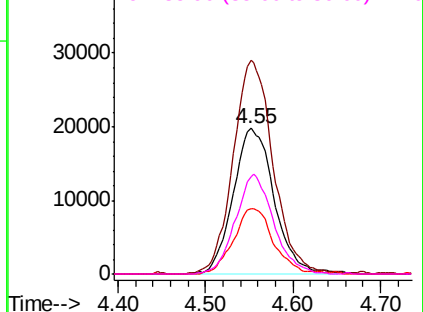


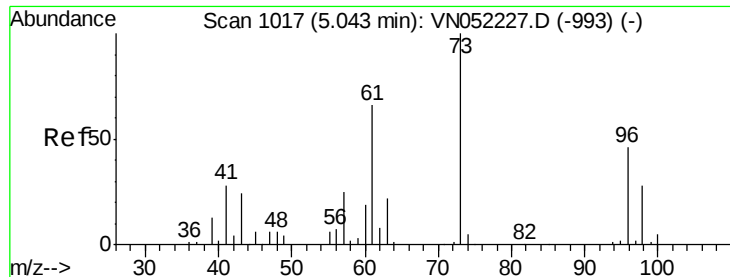
#20
Methylene Chloride
Concen: 17.405 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.01 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Tgt Ion: 84 Resp: 64280
Ion Ratio Lower Upper
84 100
49 146.2 114.8 172.2
51 45.3 33.1 49.7
86 66.6 49.7 74.5



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

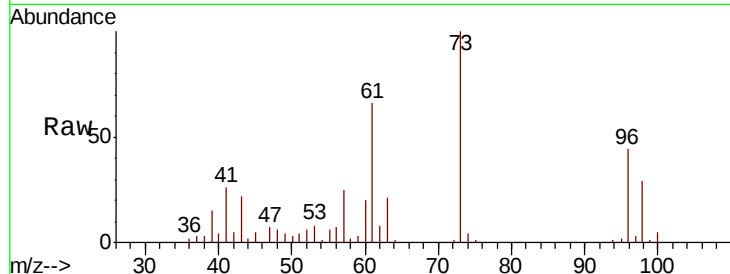




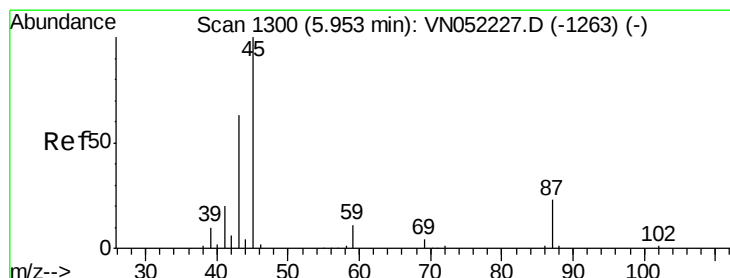
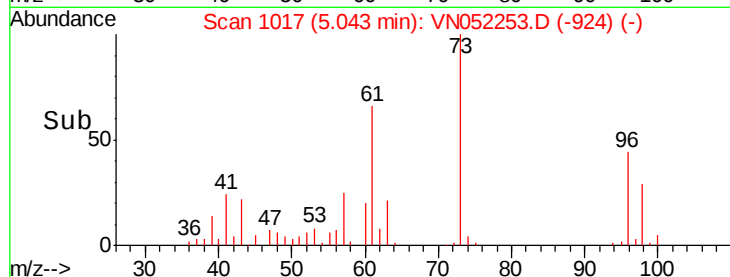
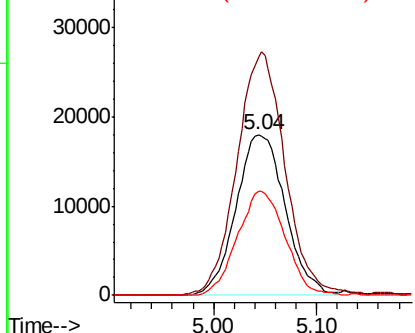
#21
trans-1,2-Dichloroethene
Concen: 17.739 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion: 96 Resp: 59708
Ion Ratio Lower Upper
96 100
61 147.1 115.3 172.9
98 65.2 49.5 74.3

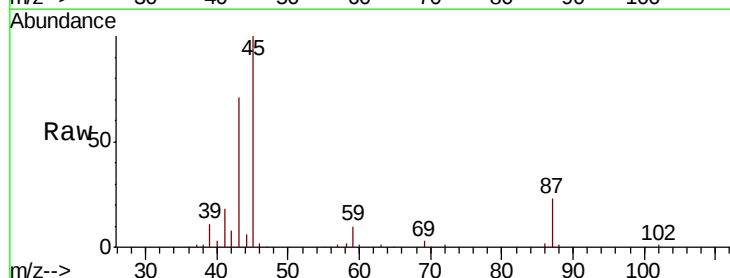


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

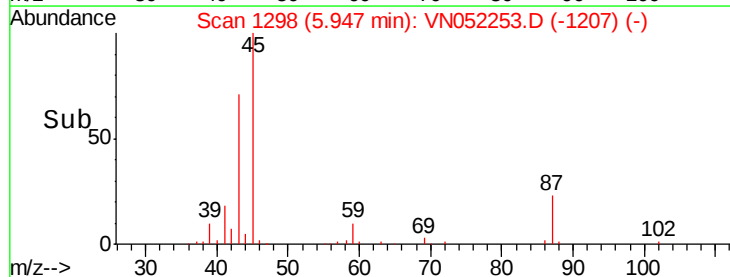
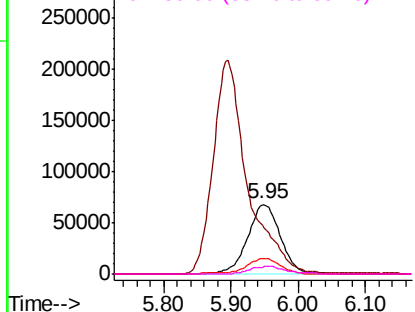


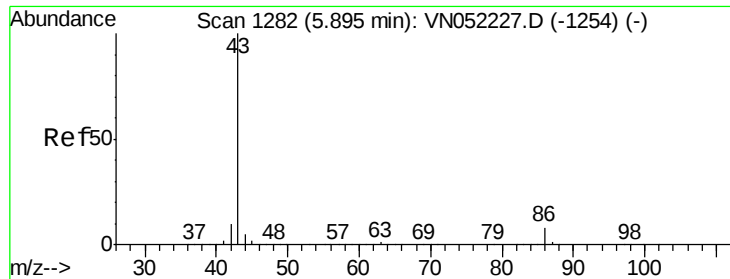
#22
Diisopropyl ether
Concen: 17.717 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Tgt Ion: 45 Resp: 230289
Ion Ratio Lower Upper
45 100
43 68.9 50.6 76.0
87 23.0 19.0 28.4
59 9.4 8.6 13.0



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





#23

Vinyl Acetate

Concen: 83.158 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

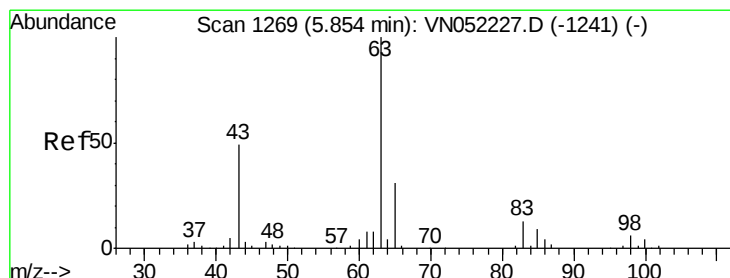
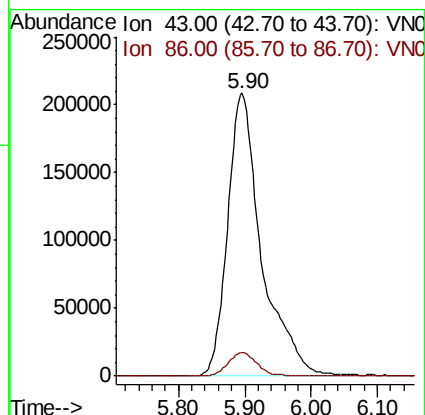
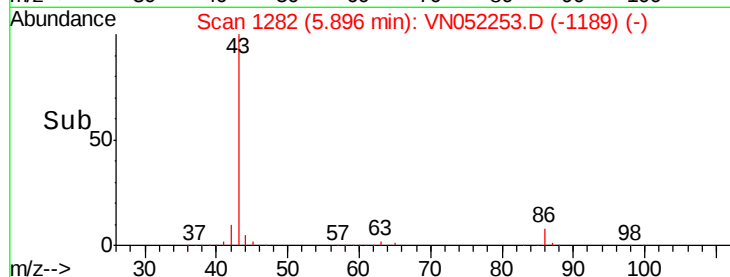
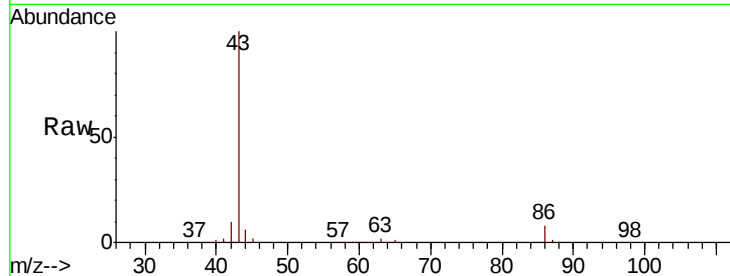
VN1112WBS01

Tot Ion: 43 Resp: 741673

Ion Ratio Lower Upper

43 100

86 8.3 6.7 10.1



#24

1,1-Dichloroethane

Concen: 17.445 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

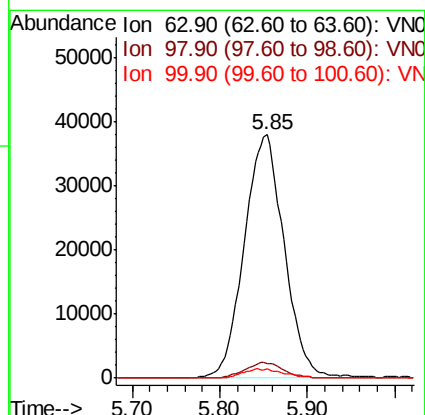
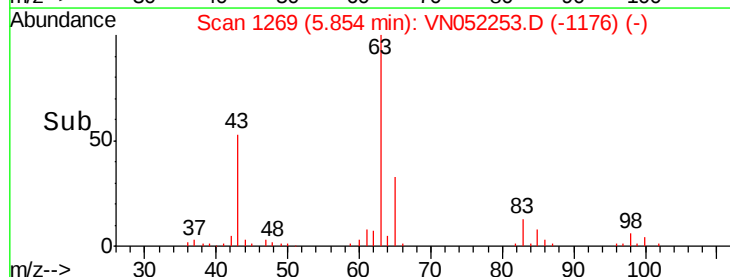
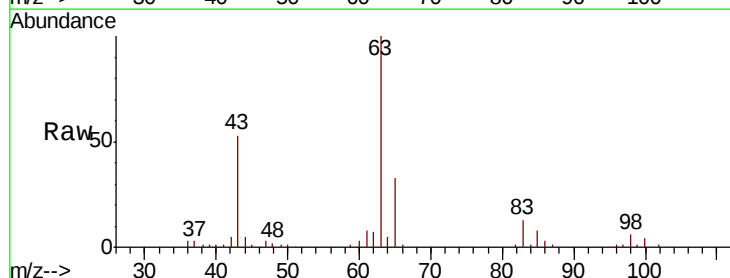
Tgt Ion: 63 Resp: 119768

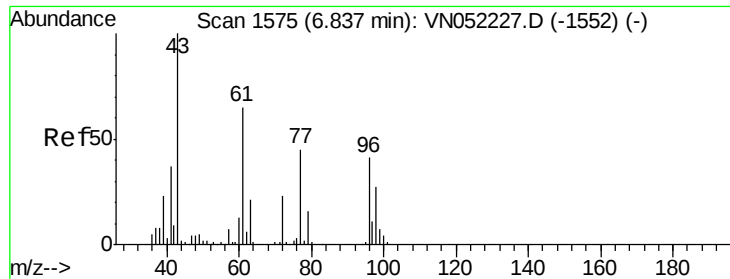
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

100 3.7 2.1 6.2





#25

2-Butanone

Concen: 73.166 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

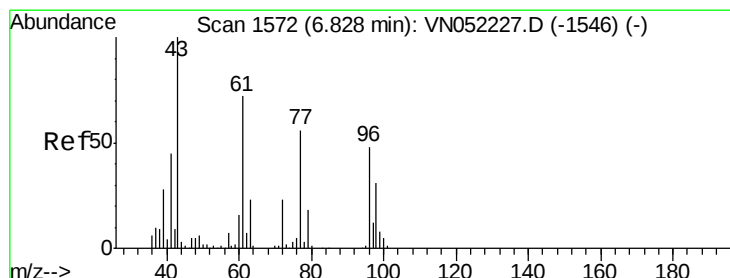
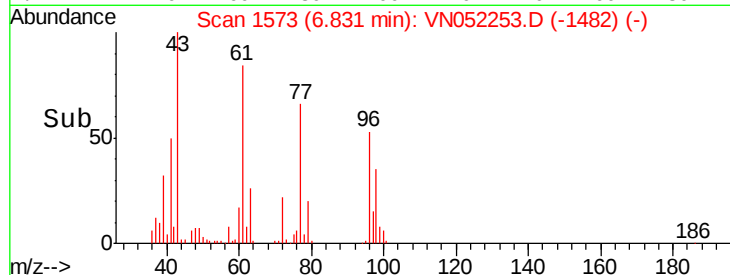
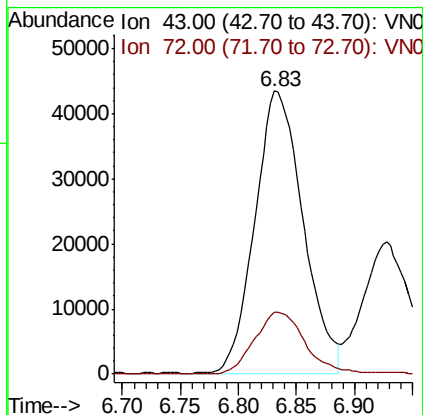
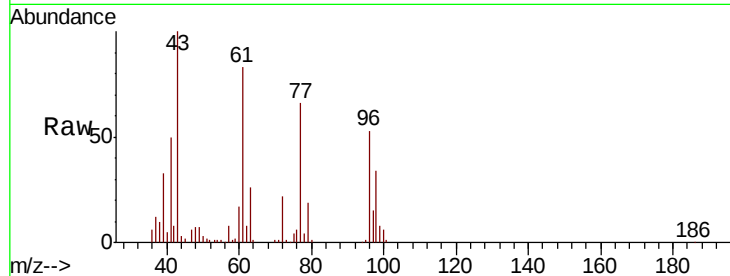
VN1112WBS01

Tot Ion: 43 Resp: 126448

Ion Ratio Lower Upper

43 100

72 21.7 18.6 27.8



#26

2,2-Dichloropropane

Concen: 18.434 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052253.D

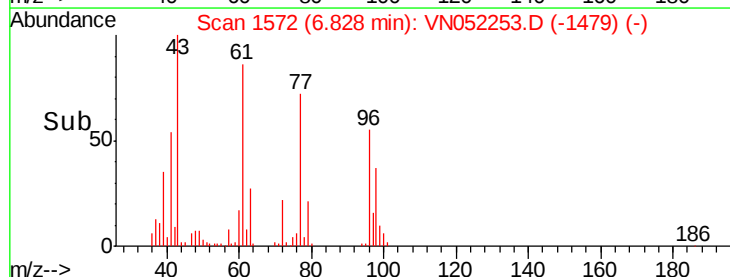
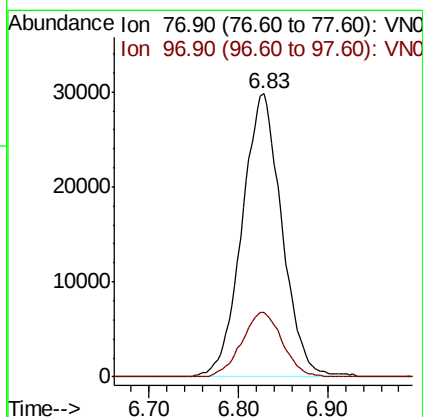
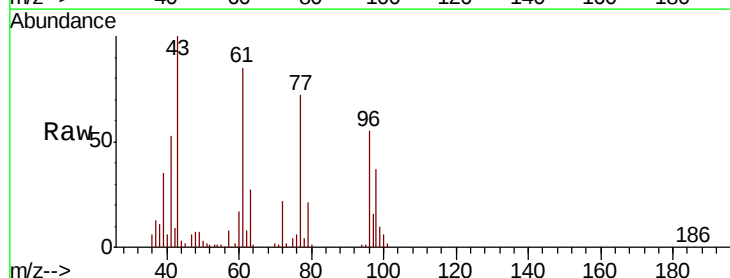
Acq: 12 Nov 2018 10:46

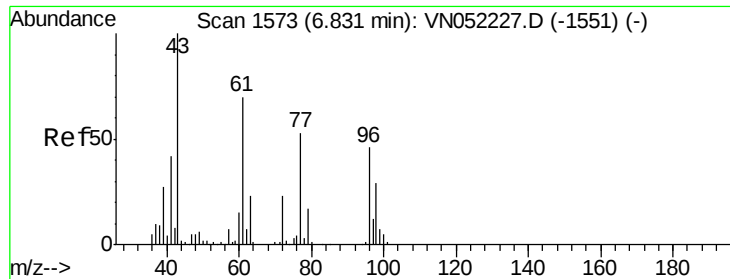
Tgt Ion: 77 Resp: 92431

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 17.796 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

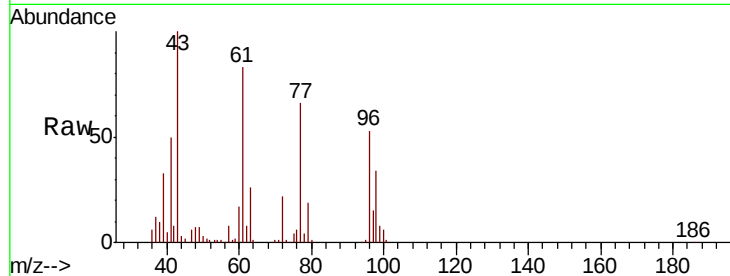
Tot Ion: 96 Resp: 67048

Ion Ratio Lower Upper

96 100

61 159.7 0.0 313.4

98 67.4 0.0 129.8

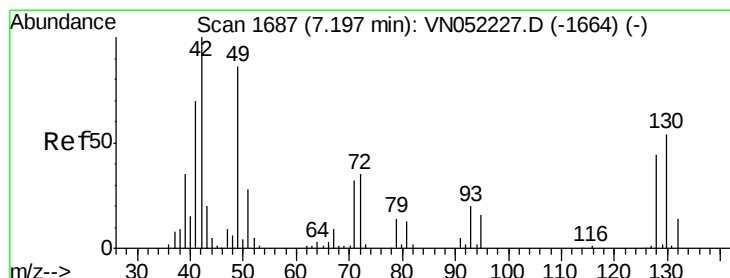
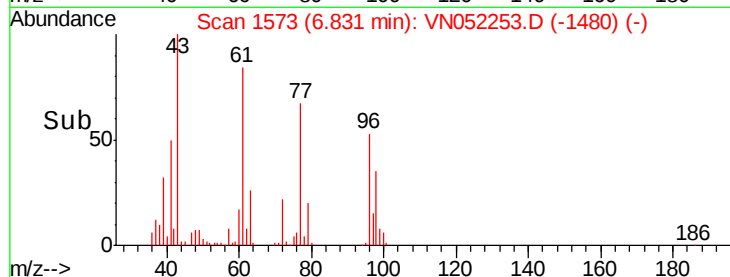
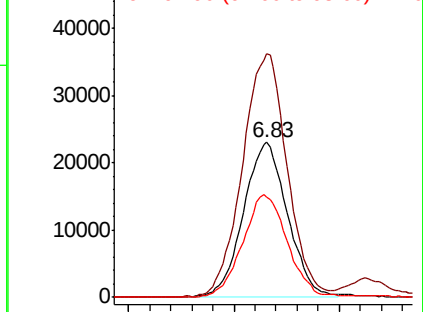


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.624 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

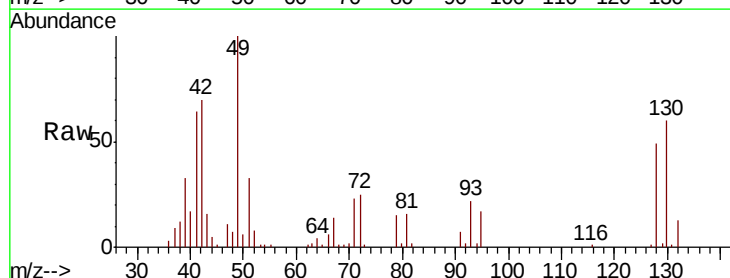
Tgt Ion: 49 Resp: 63178

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.8

130 62.6 51.4 77.2

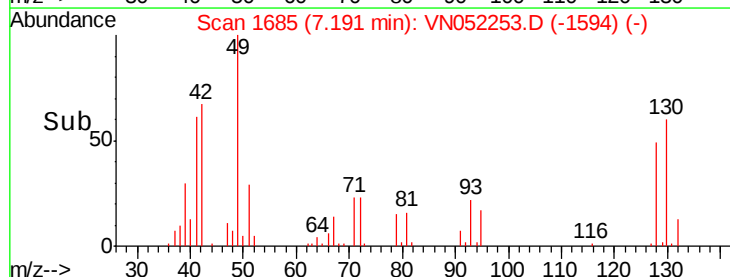
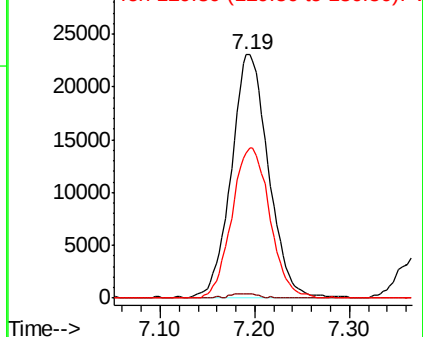


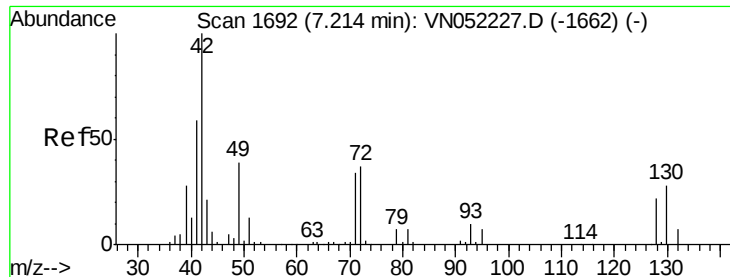
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

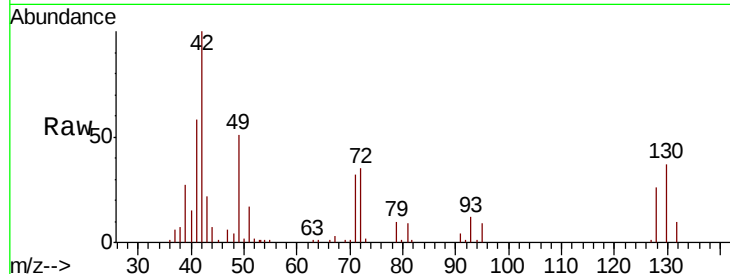




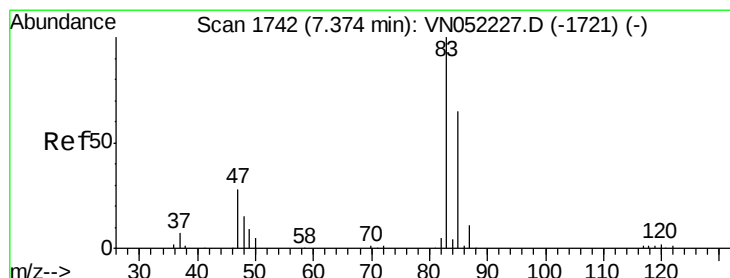
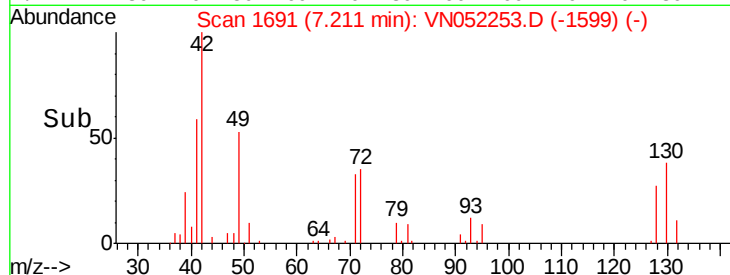
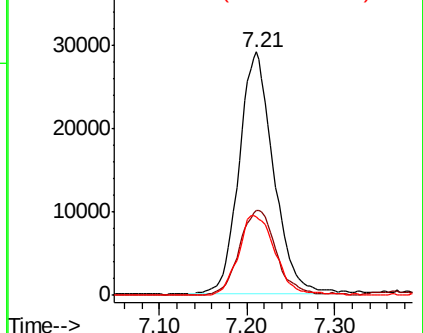
#29
Tetrahydrofuran
Concen: 70.317 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion: 42 Resp: 79089
Ion Ratio Lower Upper
42 100
72 37.5 28.6 43.0
71 34.7 27.1 40.7

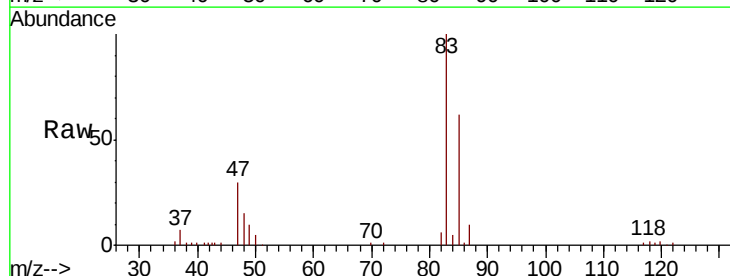


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

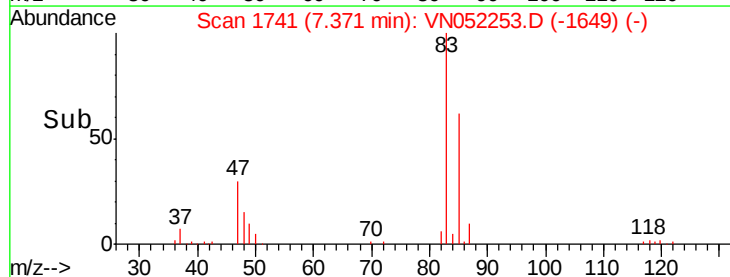
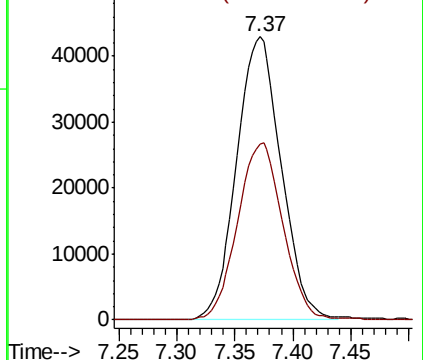


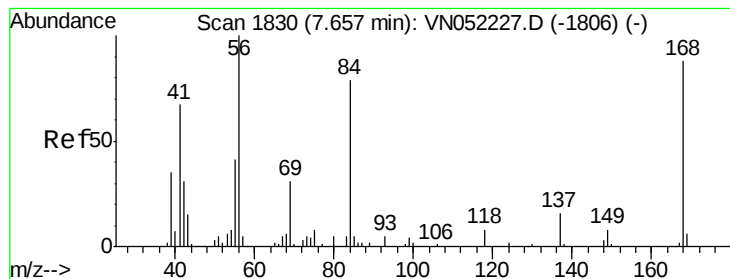
#30
Chloroform
Concen: 17.707 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Tgt Ion: 83 Resp: 115050
Ion Ratio Lower Upper
83 100
85 62.2 51.8 77.6



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





#31

Cyclohexane

Concen: 18.559 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

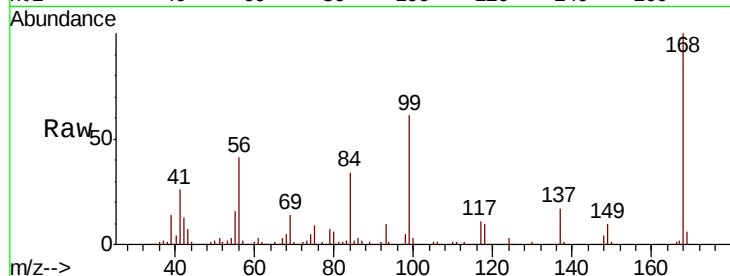
Tot Ion: 56 Resp: 120538

Ion Ratio Lower Upper

56 100

69 35.5 24.8 37.2

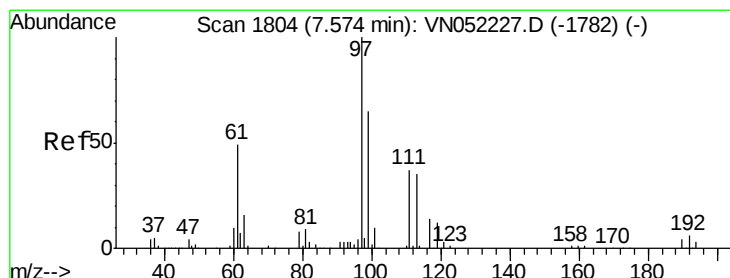
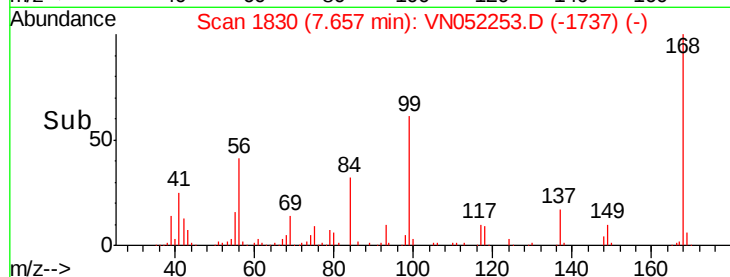
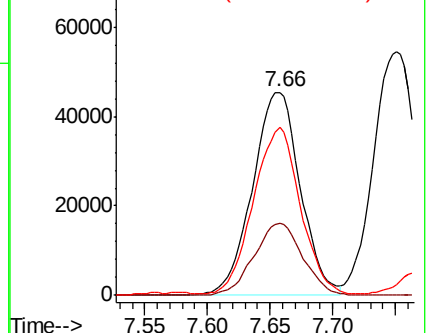
84 81.5 63.1 94.7



Abundance Ion 56.00 (55.70 to 56.70): VN052227.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN052227.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN052227.D (-1806) (-)



#32

1,1,1-Trichloroethane

Concen: 18.421 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

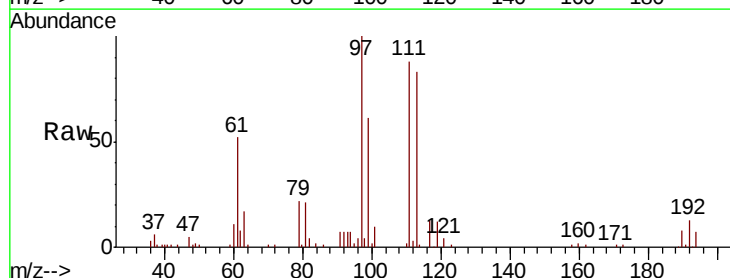
Tgt Ion: 97 Resp: 97557

Ion Ratio Lower Upper

97 100

99 61.7 51.9 77.9

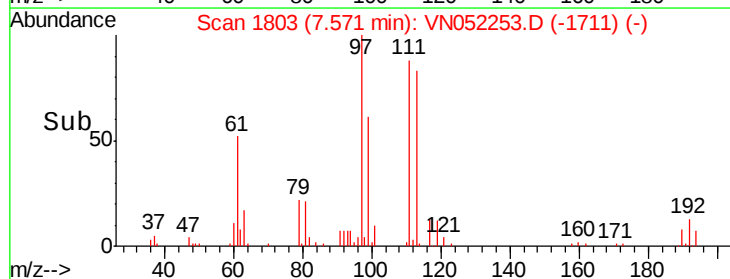
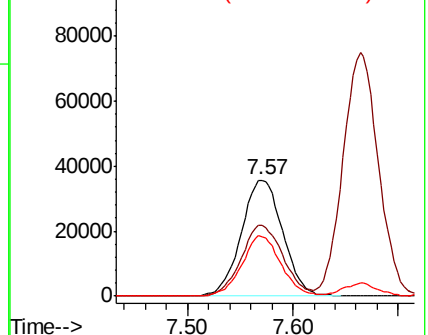
61 49.0 40.2 60.4

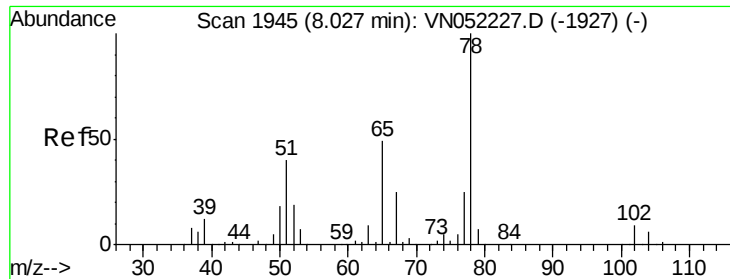


Abundance Ion 96.90 (96.60 to 97.60): VN052227.D (-1782) (-)

Ion 98.90 (98.60 to 99.60): VN052227.D (-1782) (-)

Ion 60.90 (60.60 to 61.60): VN052227.D (-1782) (-)

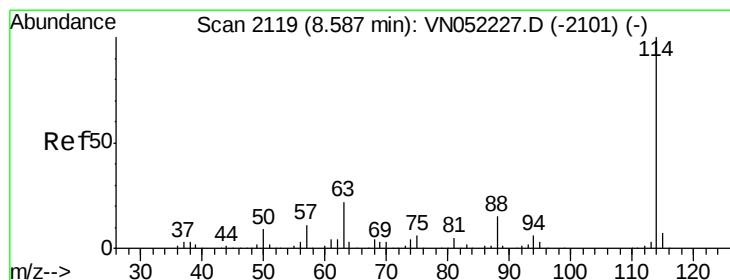
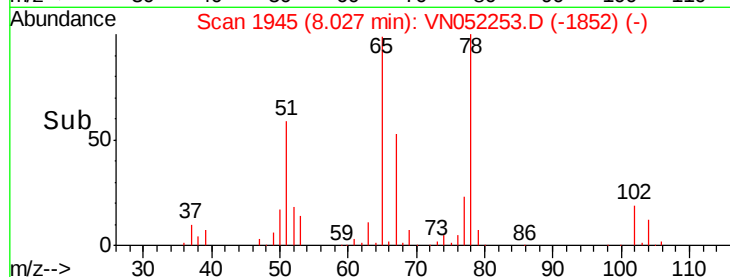
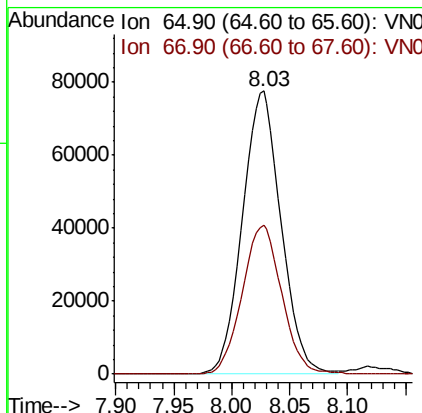
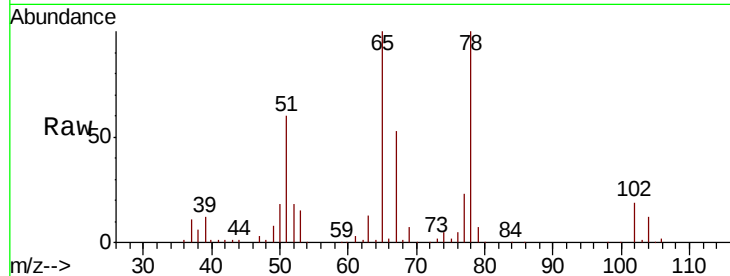




#33
 1,2-Dichloroethane-d4
 Concen: 18.421 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

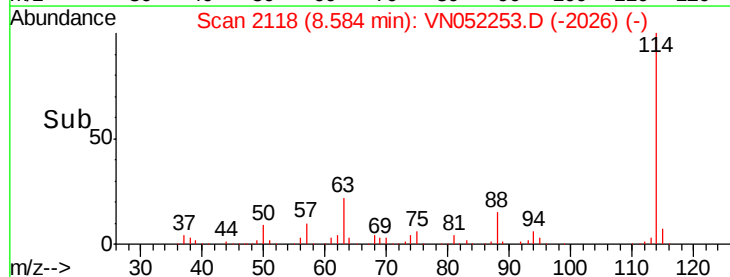
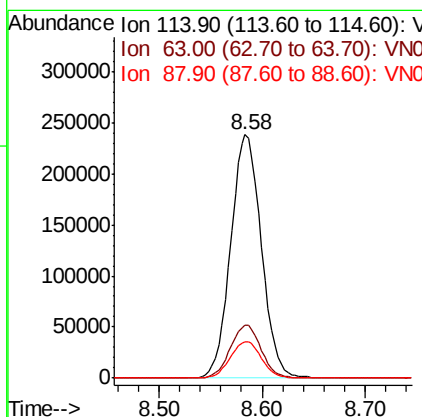
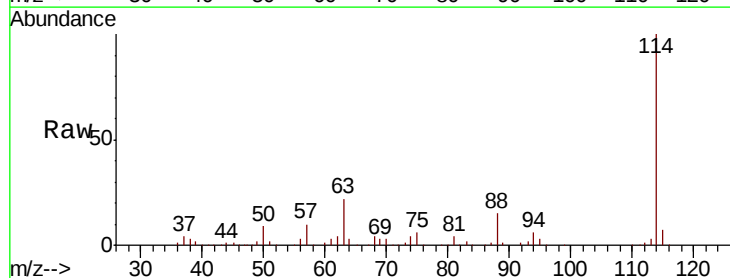
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

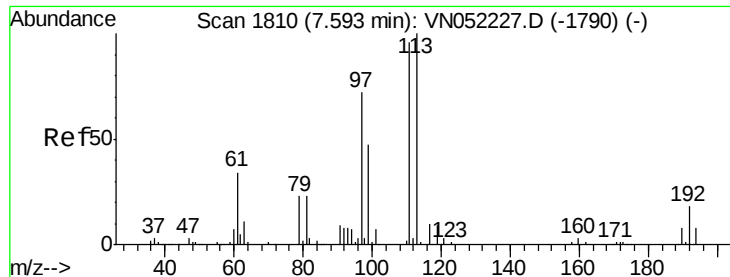
Tot Ion: 65 Resp: 179779
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

Tgt Ion: 114 Resp: 492955
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.4
 88 15.0 0.0 30.2

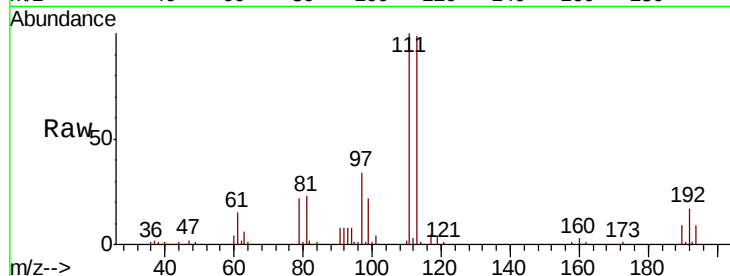




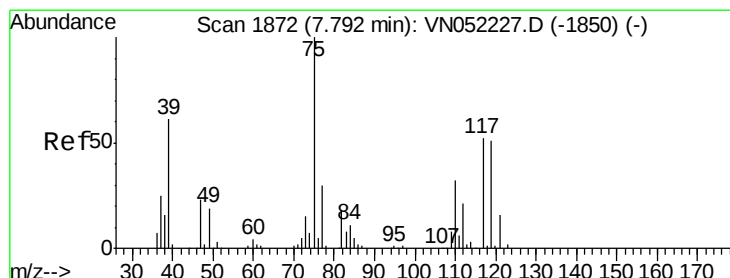
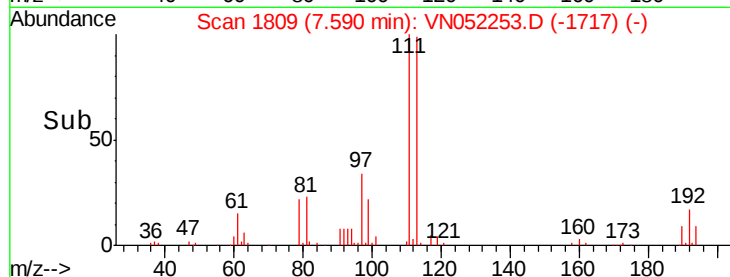
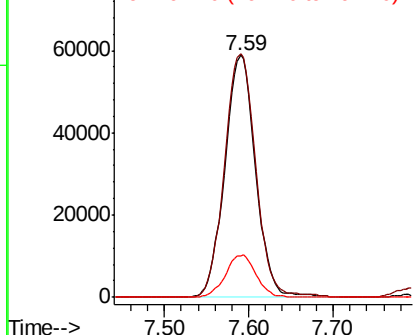
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Tot Ion:113 Resp: 149200
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.2 120.4
 192 17.5 14.1 21.1

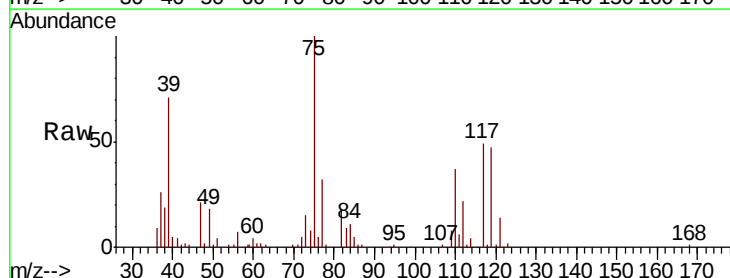


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

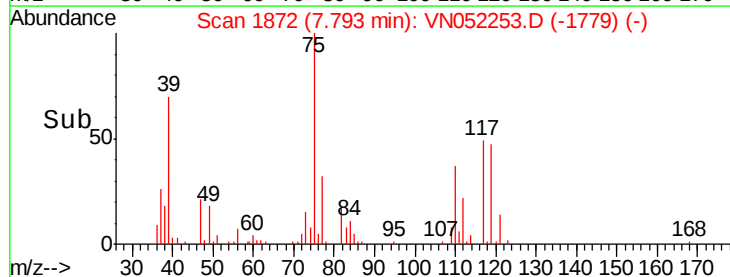
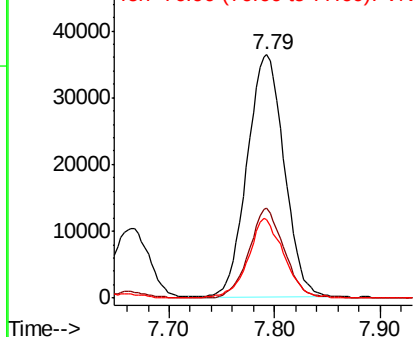


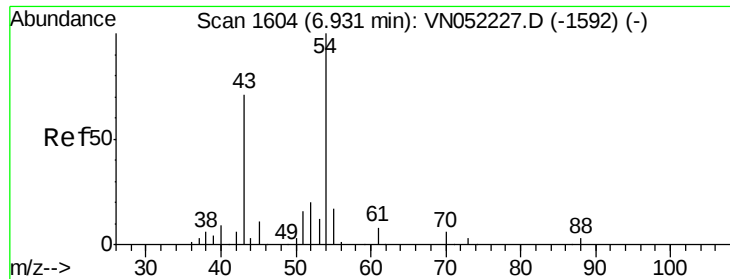
#36
 1,1-Dichloropropene
 Concen: 17.888 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

Tgt Ion: 75 Resp: 89005
 Ion Ratio Lower Upper
 75 100
 110 35.1 16.4 49.4
 77 31.7 23.9 35.9



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

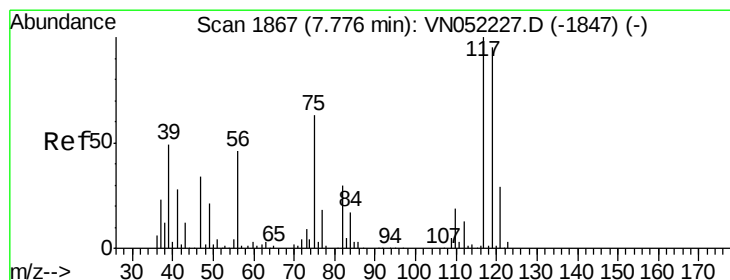
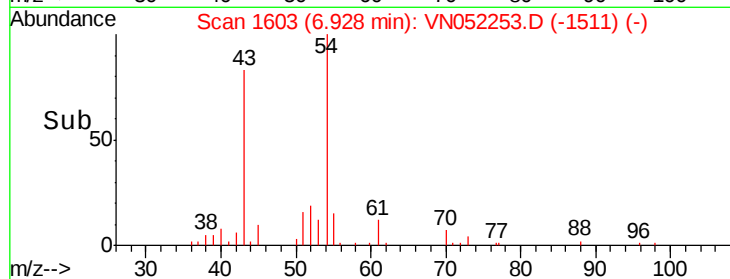
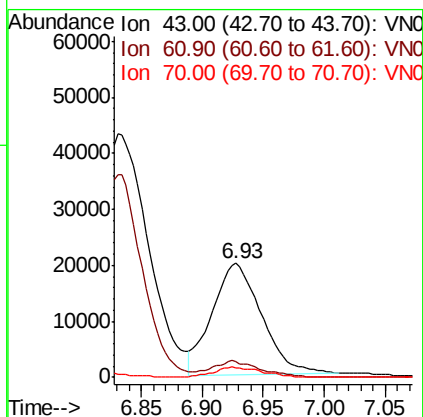
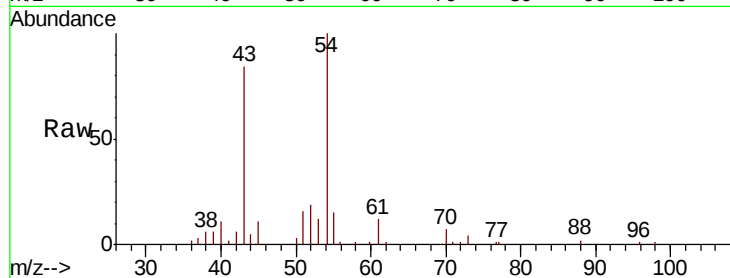




#37
Ethyl Acetate
Concen: 14.934 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

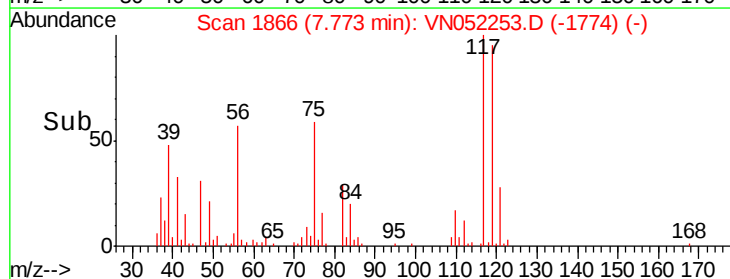
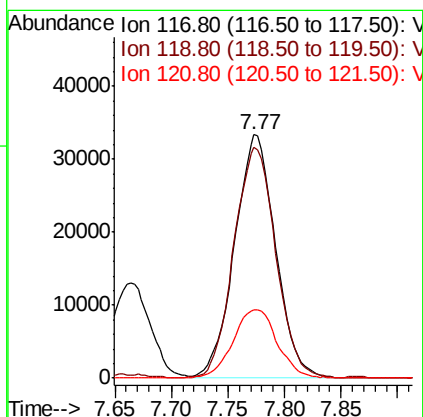
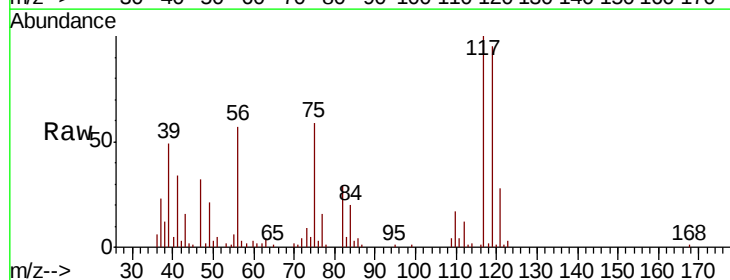
Instrument :
MSVOA_N
ClientSampled :
VN1112WBS01

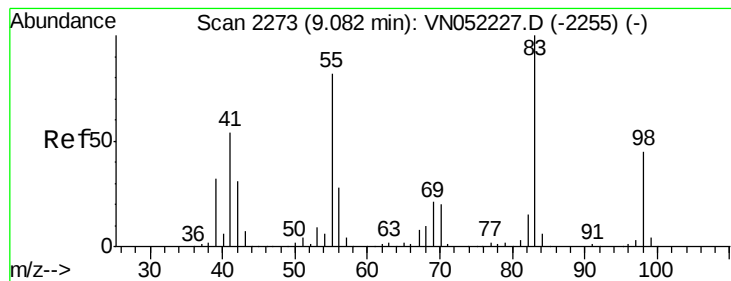
Tot Ion: 43 Resp: 55887
Ion Ratio Lower Upper
43 100
61 14.6 10.0 15.0
70 8.7 6.9 10.3



#38
Carbon Tetrachloride
Concen: 18.655 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Tgt Ion: 117 Resp: 84115
Ion Ratio Lower Upper
117 100
119 95.0 75.8 113.8
121 28.3 23.4 35.2





#39

Methvlcvclohexane

Concen: 19.168 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

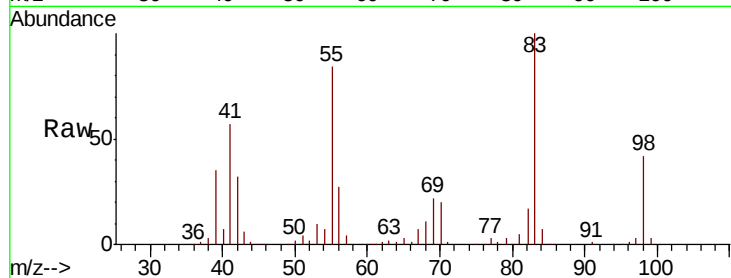
Tot Ion: 83 Resp: 108785

Ion Ratio Lower Upper

83 100

55 83.6 65.2 97.8

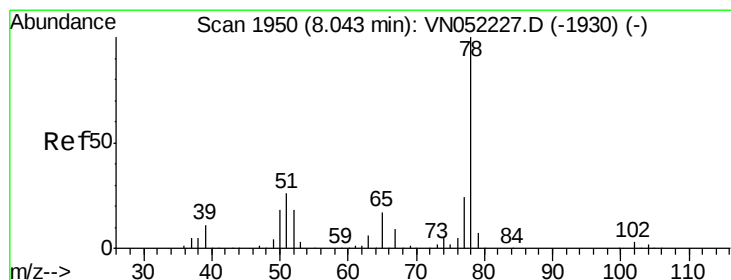
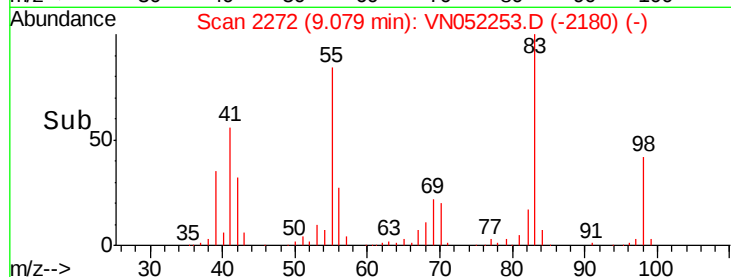
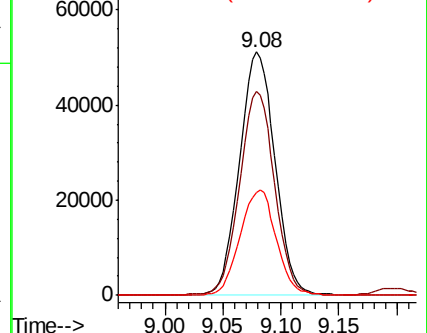
98 42.2 36.3 54.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 18.651 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN052253.D

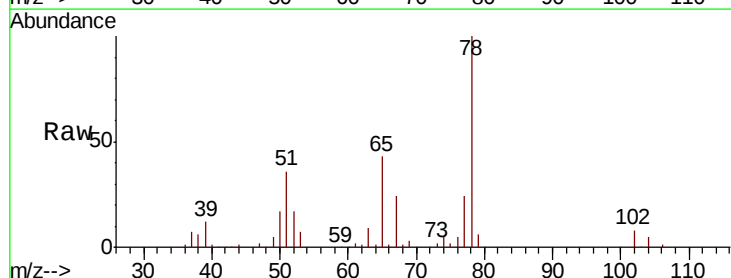
Acq: 12 Nov 2018 10:46

Tgt Ion: 78 Resp: 265706

Ion Ratio Lower Upper

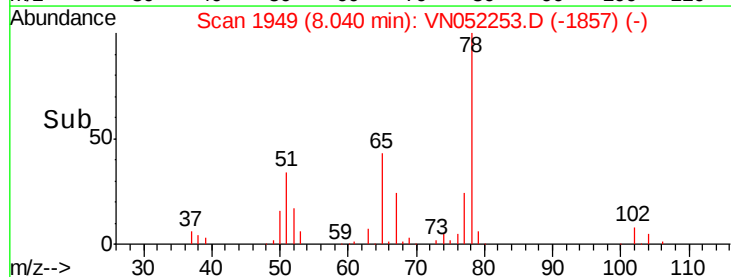
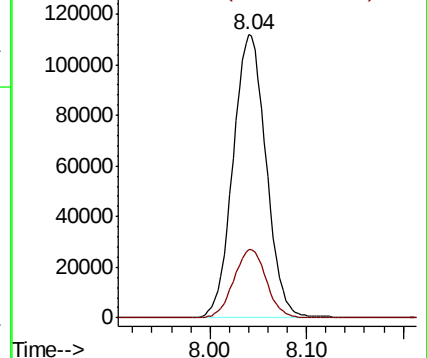
78 100

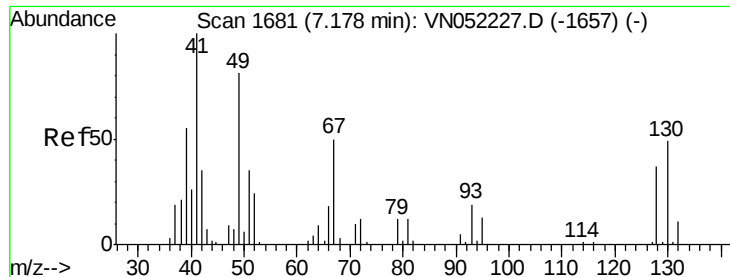
77 24.3 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

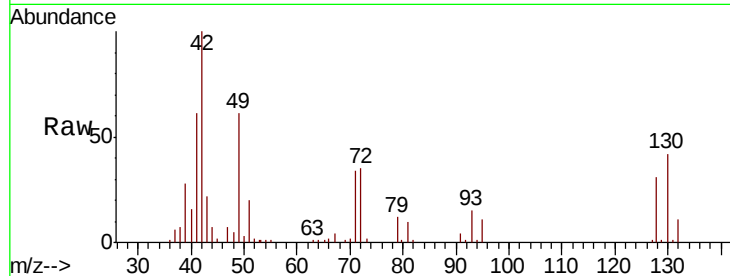




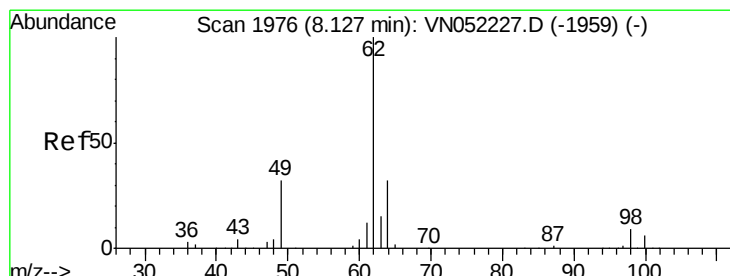
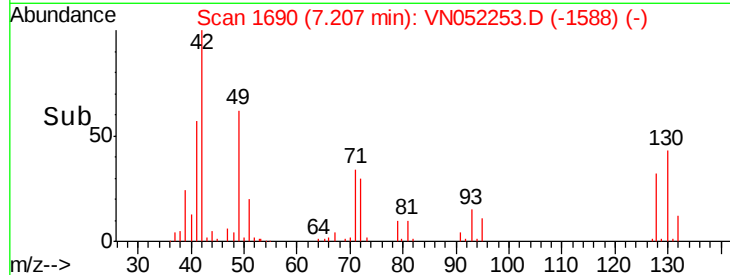
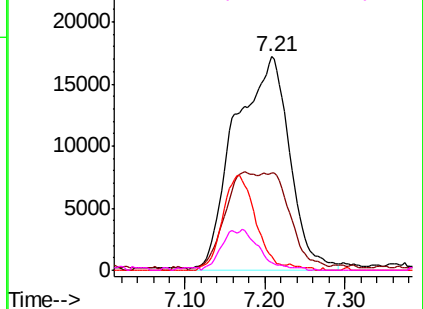
#41
Methacrylonitrile
Concen: 37.117 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.03 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion: 41 Resp: 80713
Ion Ratio Lower Upper
41 100
39 0.0 47.8 71.6#
67 0.0 54.3 81.5#
52 0.0 26.2 39.4#

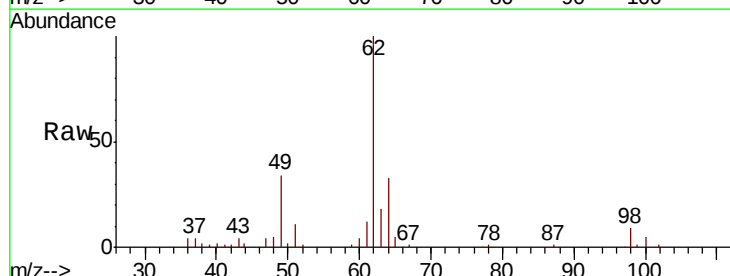


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

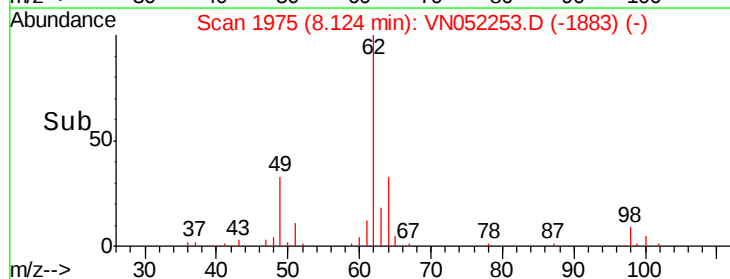
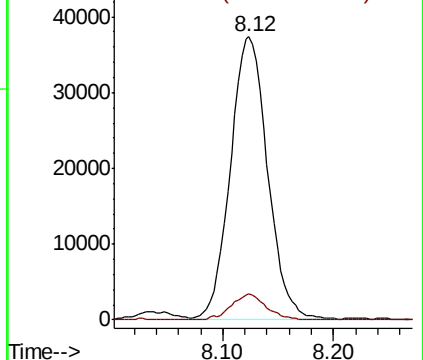


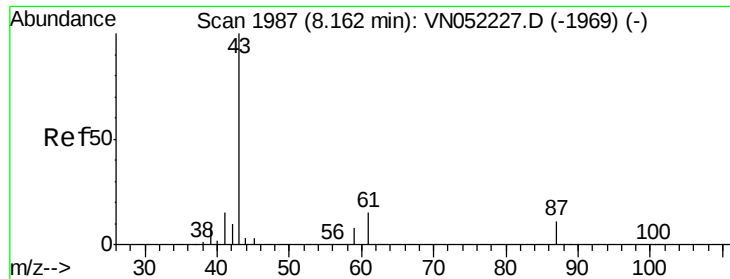
#42
1,2-Dichloroethane
Concen: 17.513 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Tgt Ion: 62 Resp: 87537
Ion Ratio Lower Upper
62 100
98 8.4 0.0 16.4



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





#43

Isopropyl Acetate

Concen: 15.656 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

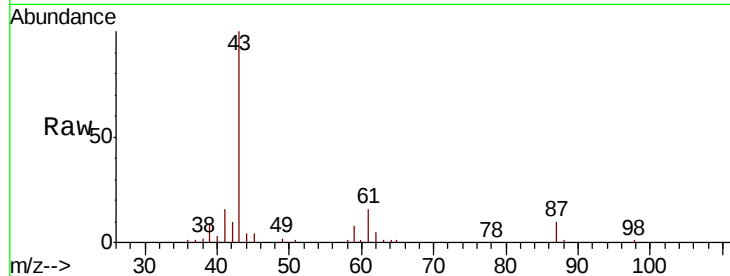
Tot Ion: 43 Resp: 102123

Ion Ratio Lower Upper

43 100

61 16.7 14.2 21.4

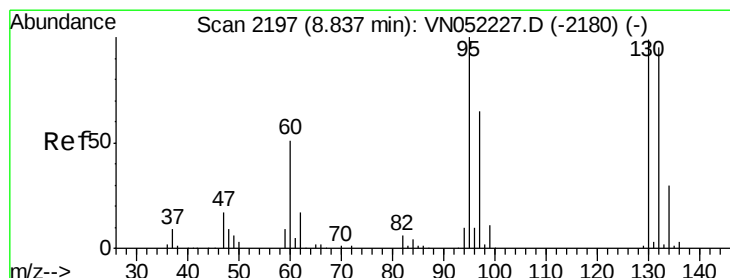
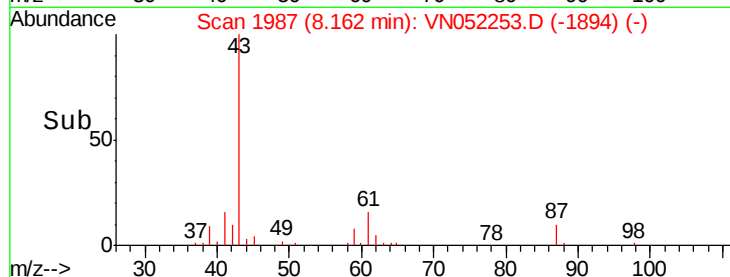
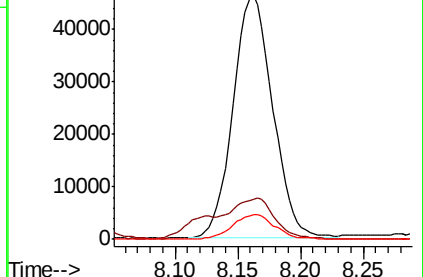
87 10.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN052227.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN052227.D (-1969) (-)



#44

Trichloroethene

Concen: 18.227 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052253.D

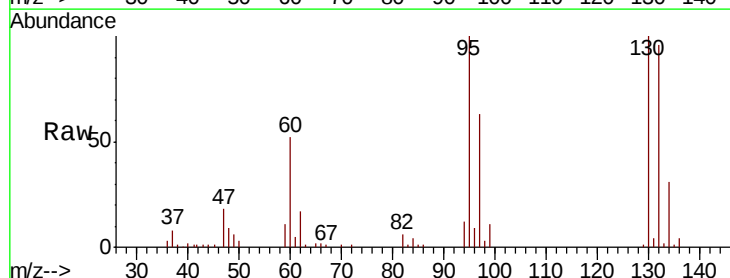
Acq: 12 Nov 2018 10:46

Tgt Ion:130 Resp: 65067

Ion Ratio Lower Upper

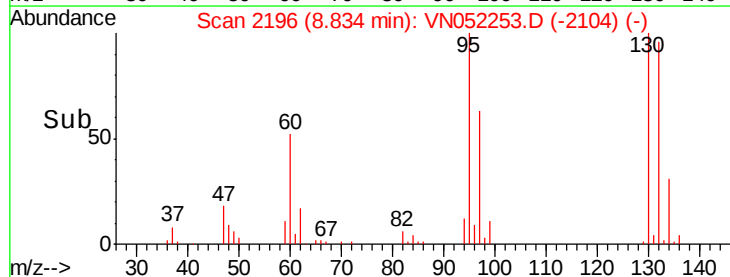
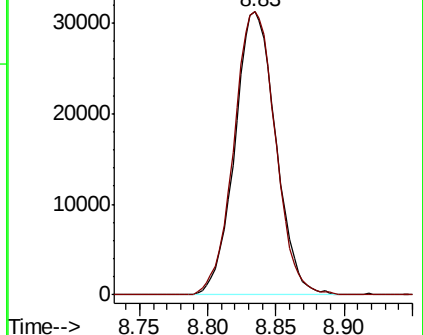
130 100

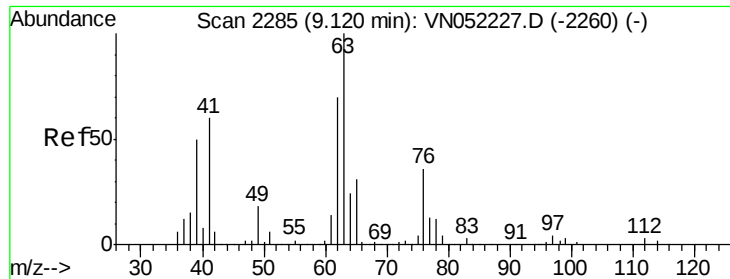
95 100.1 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN052227.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN052227.D (-2180) (-)

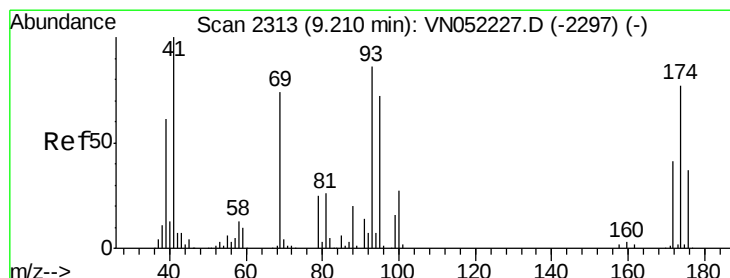
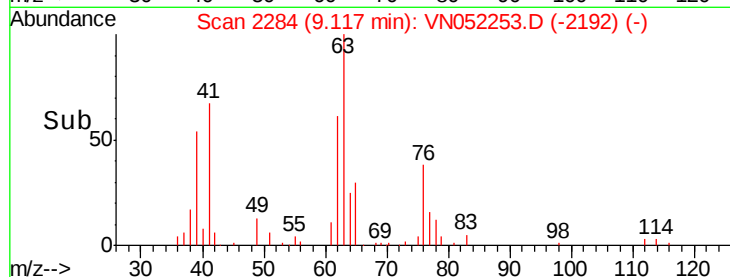
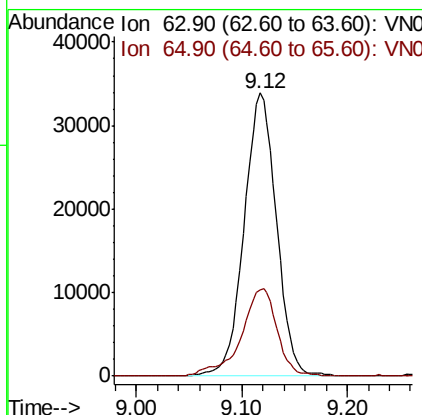
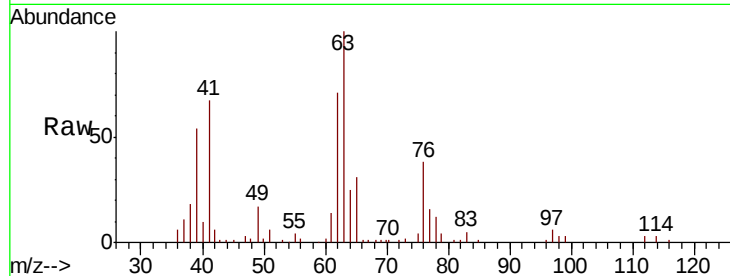




#45
 1,2-Dichloropropane
 Concen: 18.191 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

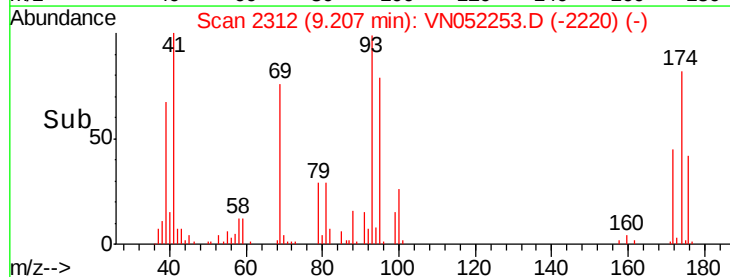
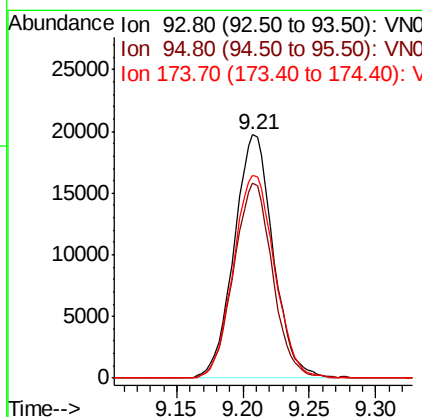
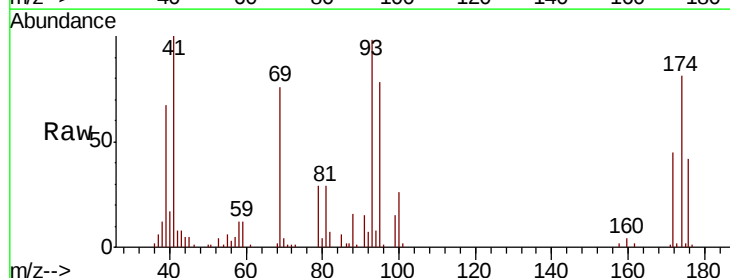
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

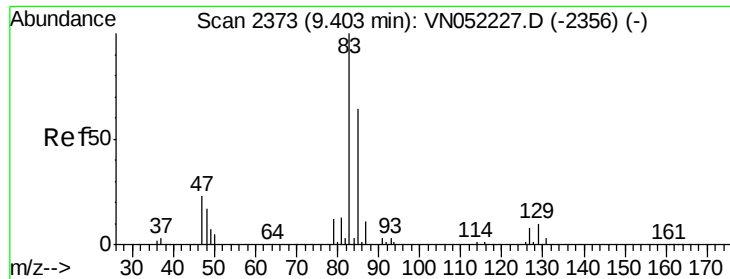
Tot Ion: 63 Resp: 72399
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.8 37.2



#46
 Dibromomethane
 Concen: 17.684 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

Tgt Ion: 93 Resp: 40425
 Ion Ratio Lower Upper
 93 100
 95 80.1 67.0 100.4
 174 87.9 72.1 108.1





#47

Bromodichloromethane

Concen: 17.764 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

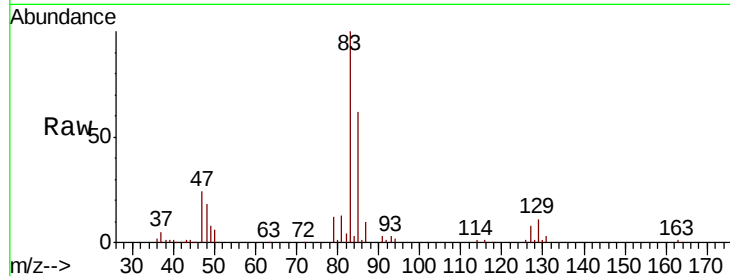
Tot Ion: 83 Resp: 84135

Ion Ratio Lower Upper

83 100

85 62.2 51.2 76.8

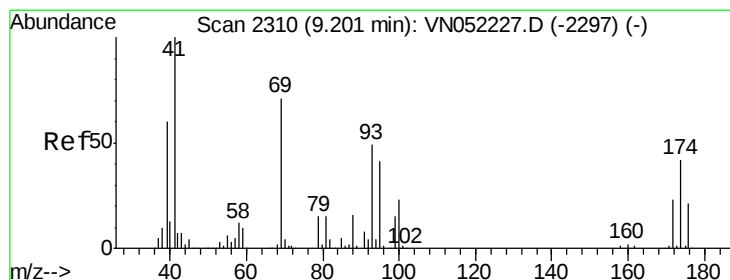
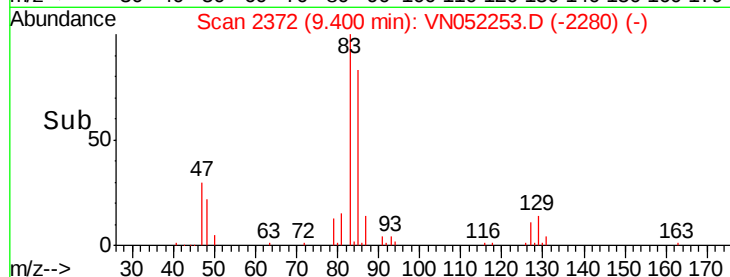
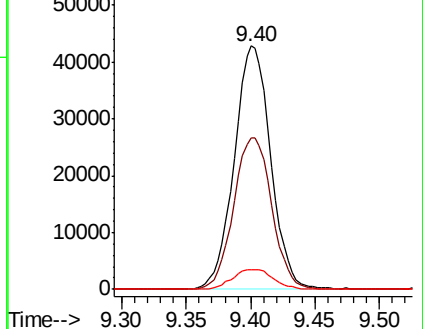
127 8.0 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VN052227.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN052227.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN052227.D (-2356) (-)



#48

Methyl methacrylate

Concen: 15.312 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

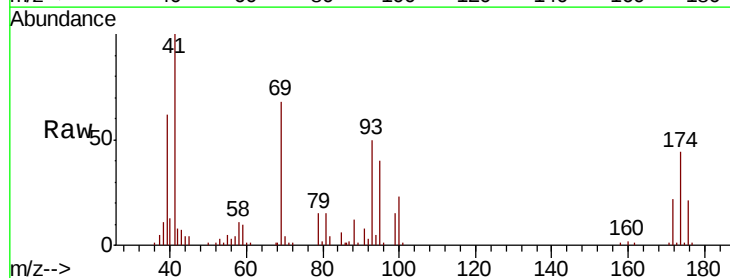
Tgt Ion: 41 Resp: 52626

Ion Ratio Lower Upper

41 100

69 75.4 58.8 88.2

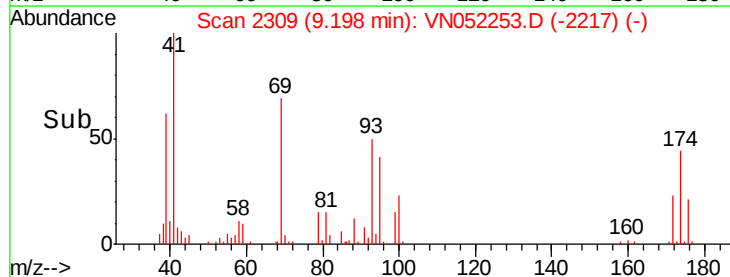
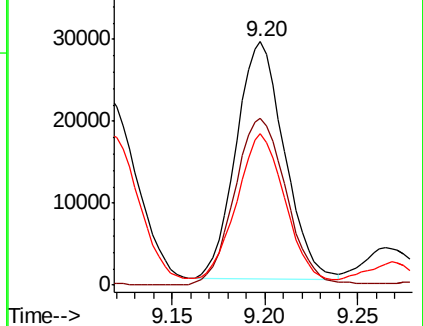
39 60.3 50.7 76.1

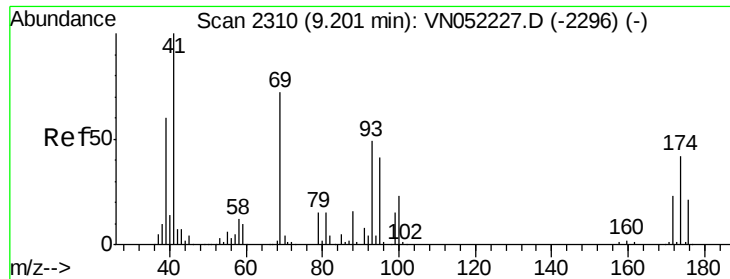


Abundance Ion 41.00 (40.70 to 41.70): VN052227.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN052227.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN052227.D (-2297) (-)

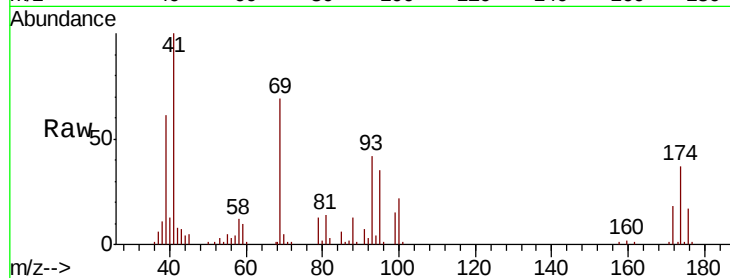




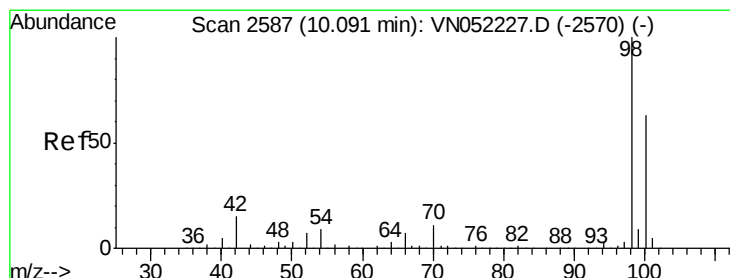
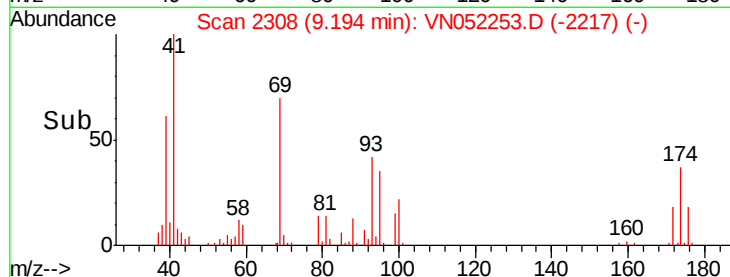
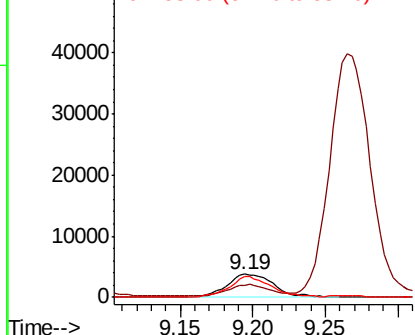
#49
1,4-Dioxane
Concen: 308.514 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Instrument :
MSVOA_N
ClientSampled :
VN1112WBS01

Tot Ion: 88 Resp: 8524
Ion Ratio Lower Upper
88 100
43 43.3 32.5 48.7
58 80.4 58.2 87.4

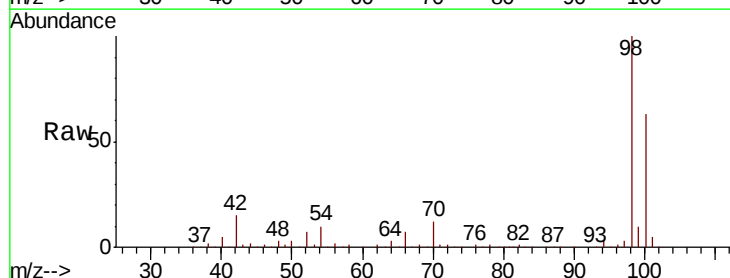


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

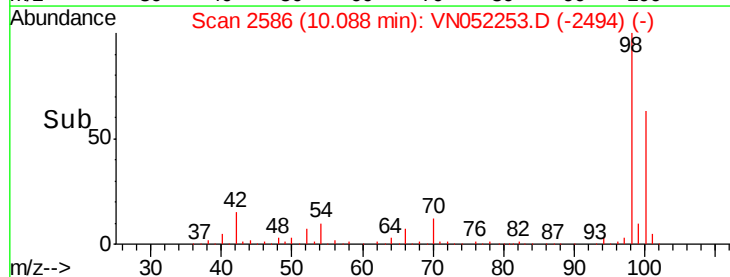
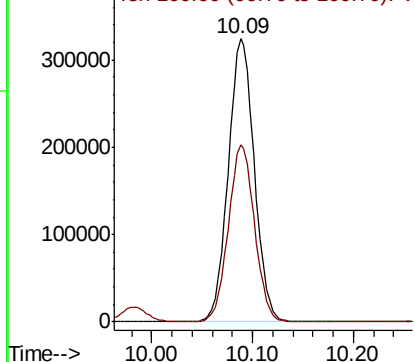


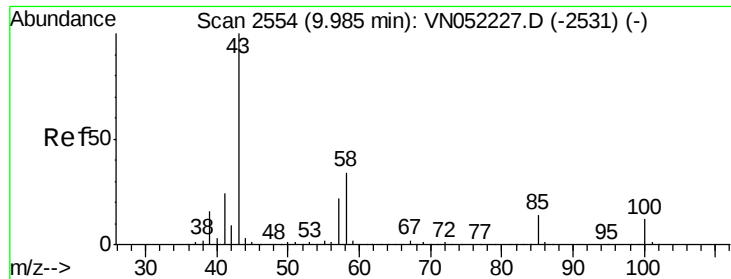
#50
Toluene-d8
Concen: 308.514 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Tgt Ion: 98 Resp: 584036
Ion Ratio Lower Upper
98 100
100 62.9 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 76.888 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

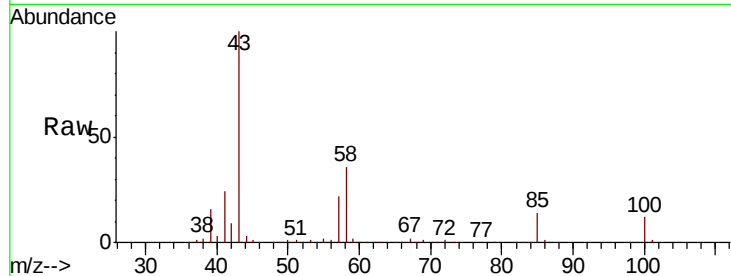
VN1112WBS01

Tot Ion: 43 Resp: 276980

Ion Ratio Lower Upper

43 100

58 34.4 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN052227.D (-2531) (-)

150000

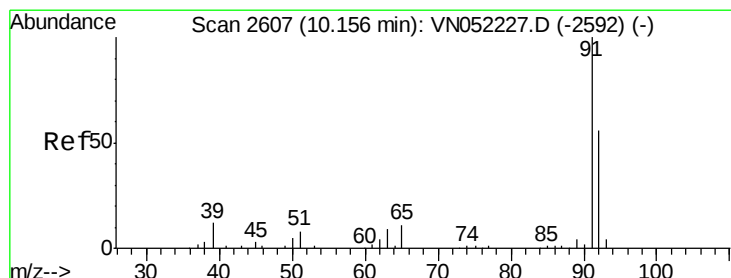
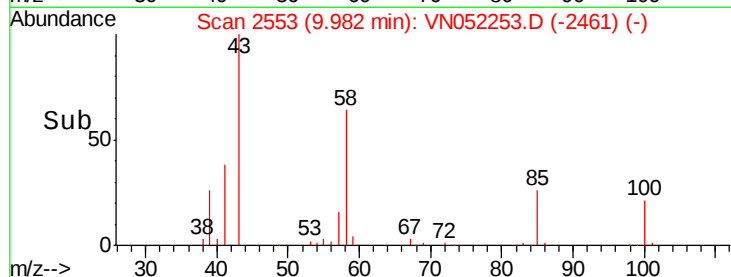
100000

50000

0

9.90 9.98 10.00

Time-->



#52

Toluene

Concen: 18.473 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052253.D

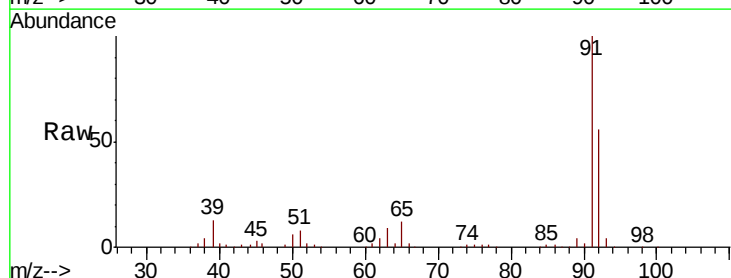
Acq: 12 Nov 2018 10:46

Tgt Ion: 92 Resp: 158747

Ion Ratio Lower Upper

92 100

91 177.3 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN052227.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN052227.D (-2592) (-)

150000

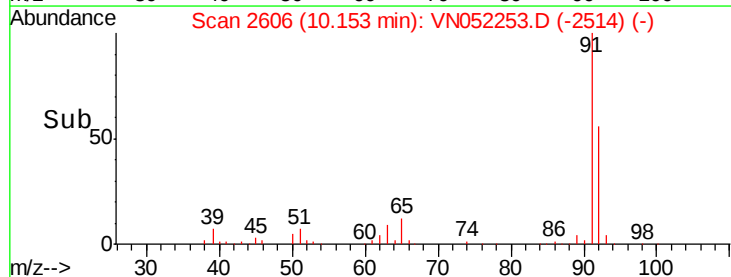
100000

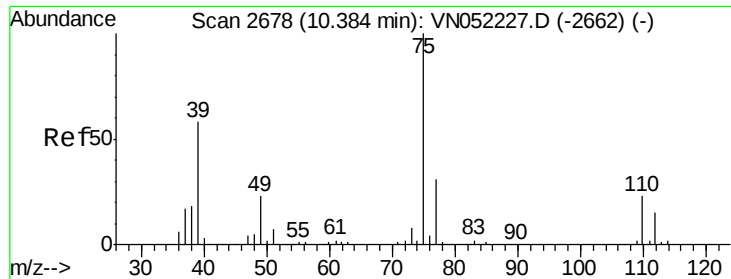
50000

0

10.05 10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.916 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampled :

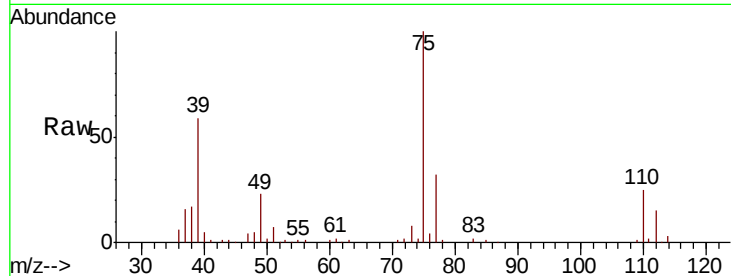
VN1112WBS01

Tot Ion: 75 Resp: 83736

Ion Ratio Lower Upper

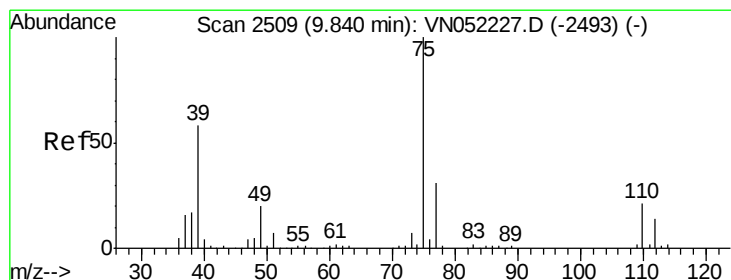
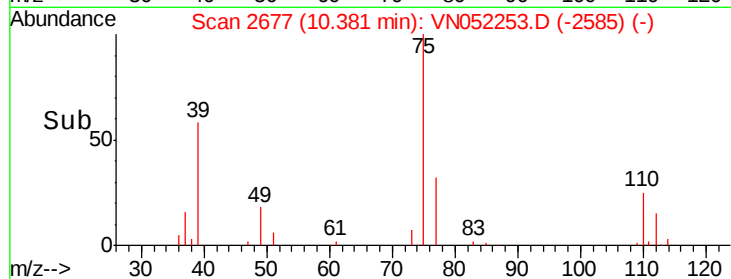
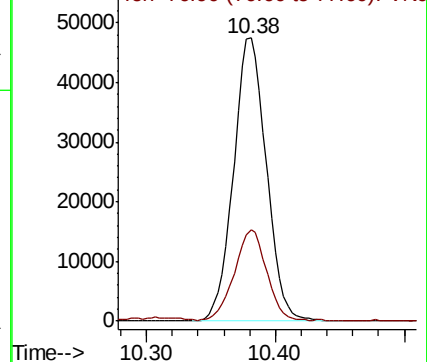
75 100

77 31.9 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.078 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

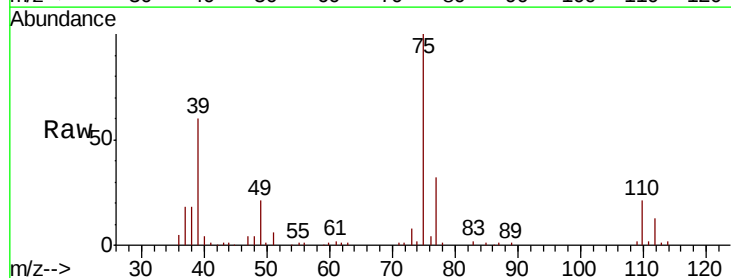
Tgt Ion: 75 Resp: 99742

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

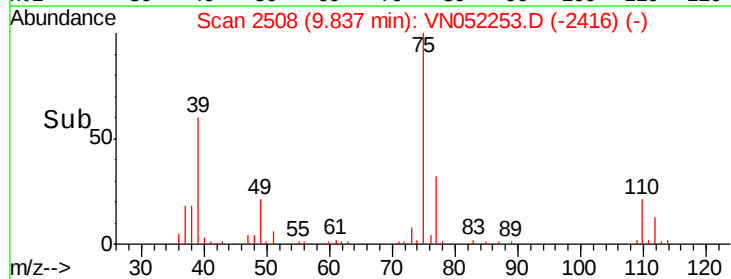
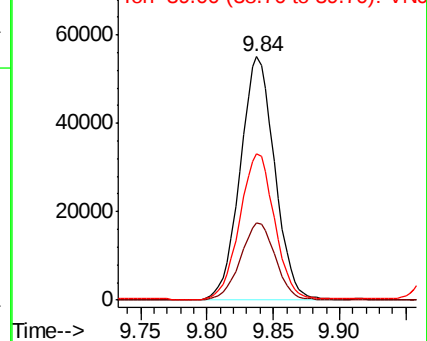
39 59.9 46.6 70.0

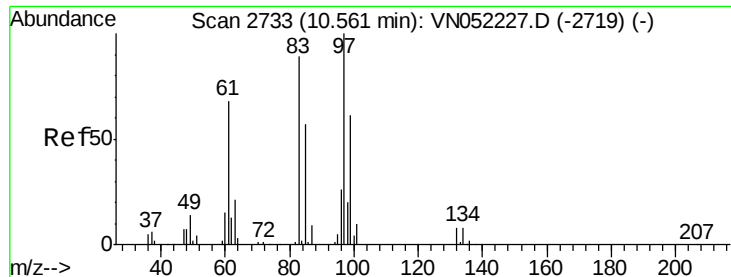


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

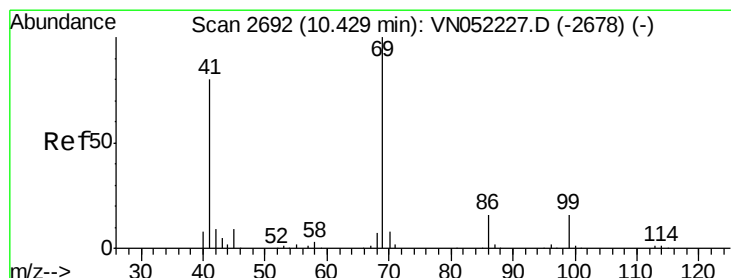
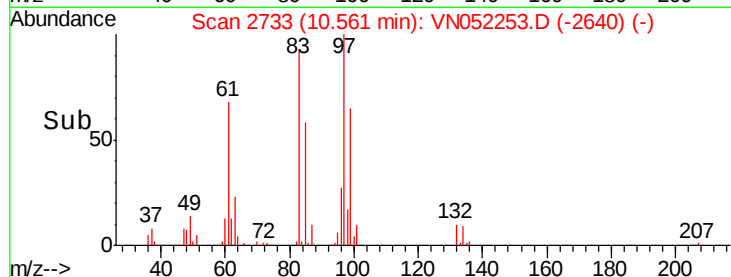
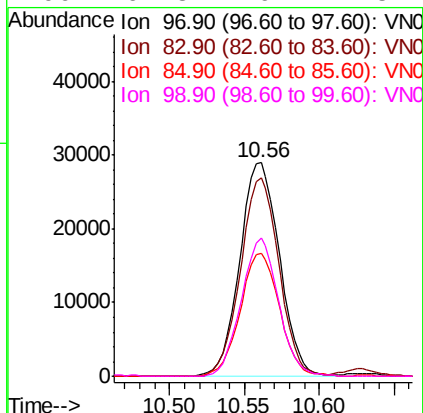
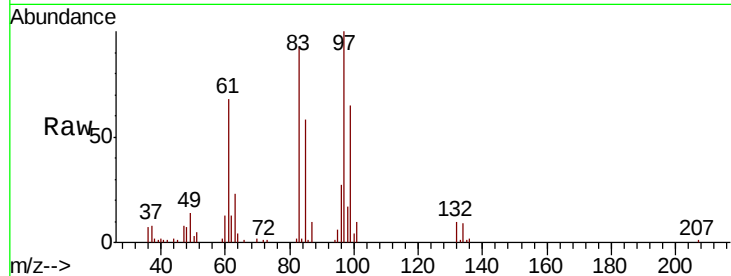




#55
 1,1,2-Trichloroethane
 Concen: 17.286 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

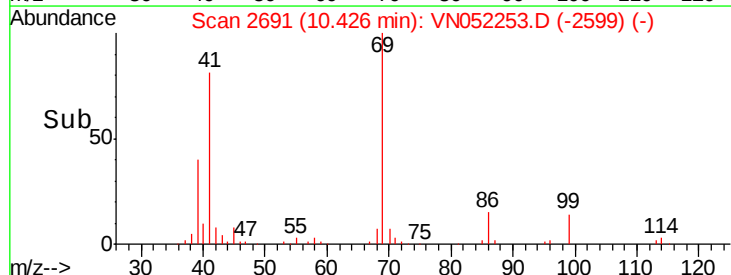
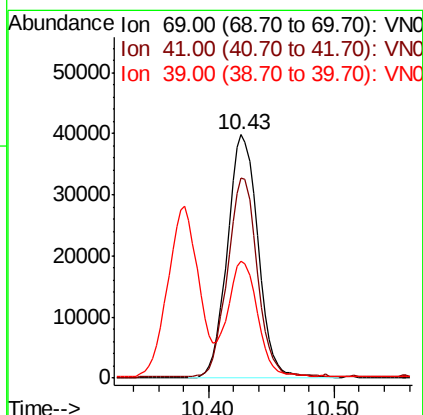
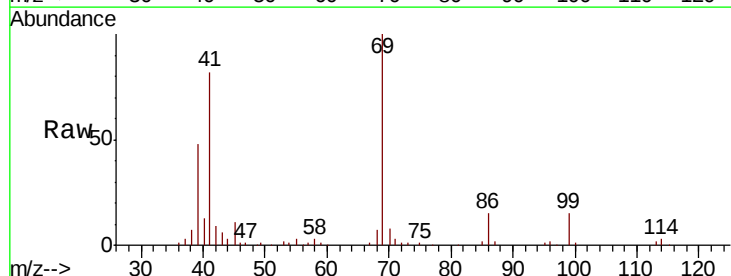
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

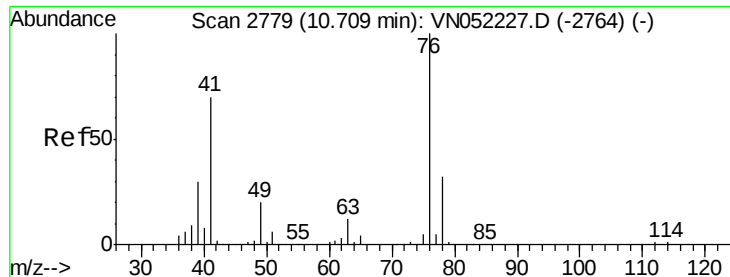
Tot Ion: 97 Resp: 53692
 Ion Ratio Lower Upper
 97 100
 83 93.0 71.2 106.8
 85 57.8 45.6 68.4
 99 64.8 49.1 73.7



#56
 Ethyl methacrylate
 Concen: 16.165 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

Tgt Ion: 69 Resp: 67858
 Ion Ratio Lower Upper
 69 100
 41 78.8 64.0 96.0
 39 44.9 37.8 56.8

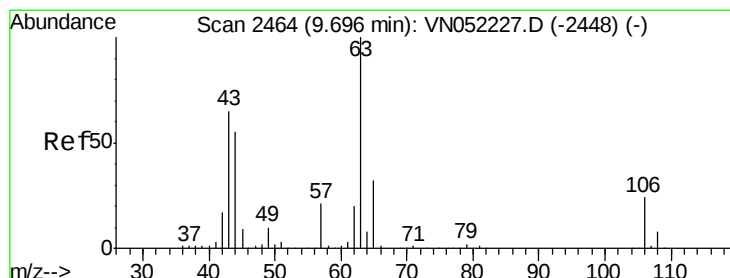
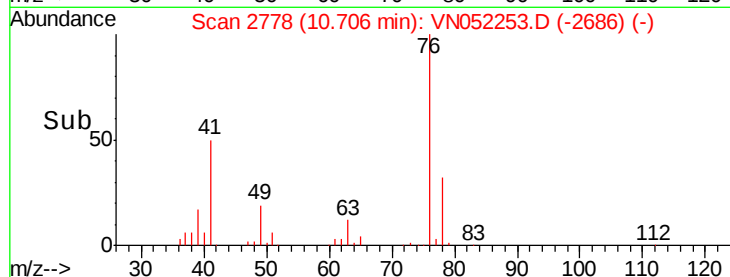
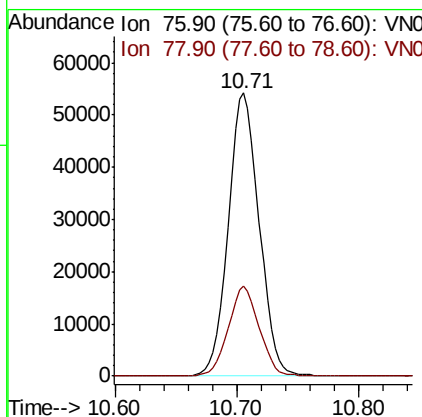
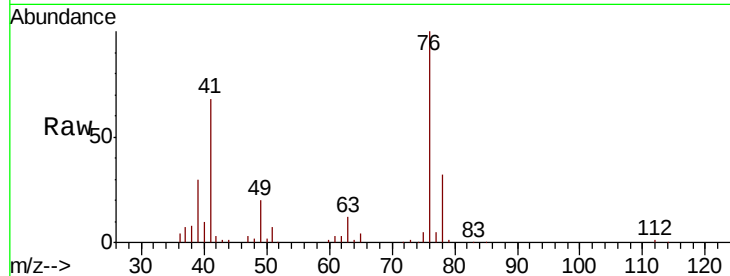




#57
 1,3-Dichloropropane
 Concen: 17.178 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

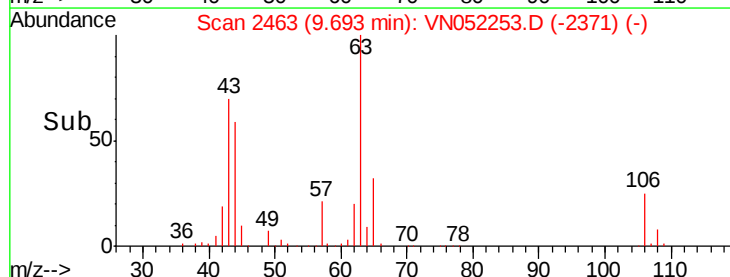
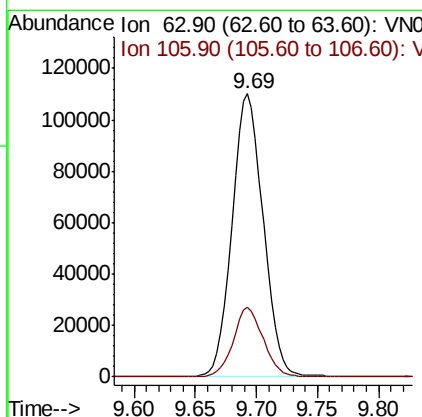
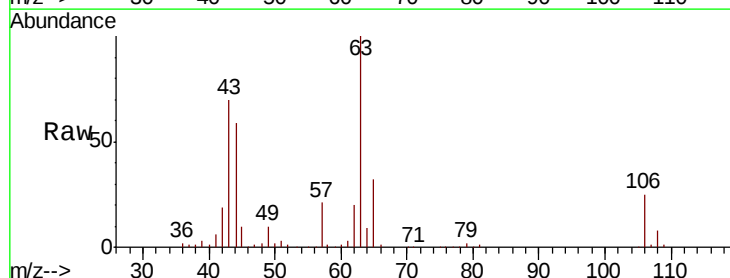
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

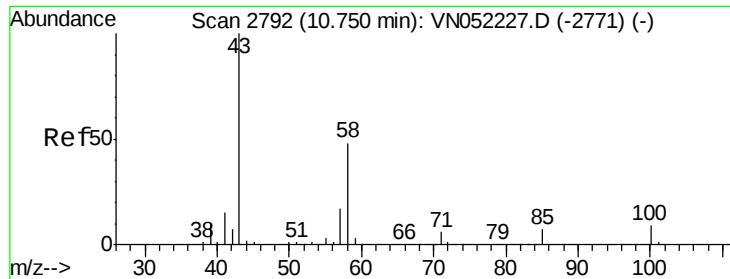
Tot Ion: 76 Resp: 95515
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.124 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

Tgt Ion: 63 Resp: 195540
 Ion Ratio Lower Upper
 63 100
 106 23.7 19.5 29.3

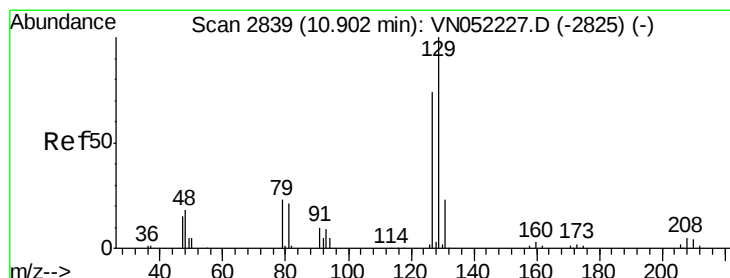
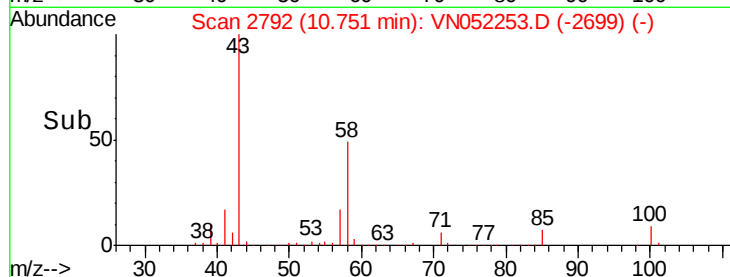
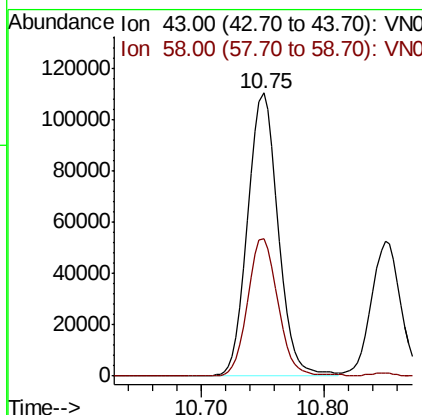
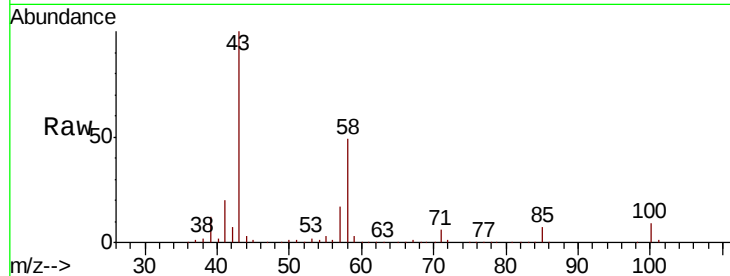




#59
2-Hexanone
Concen: 75.041 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

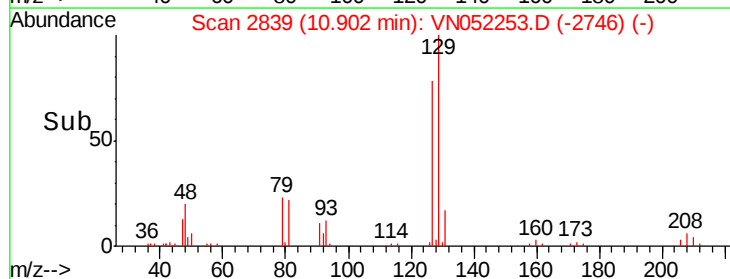
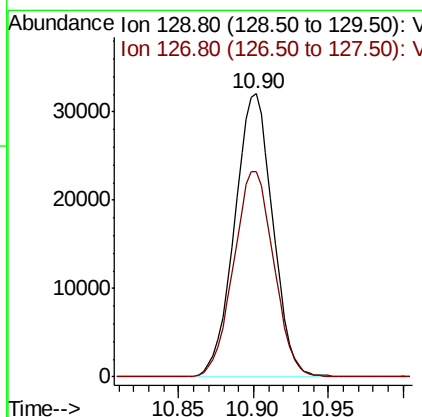
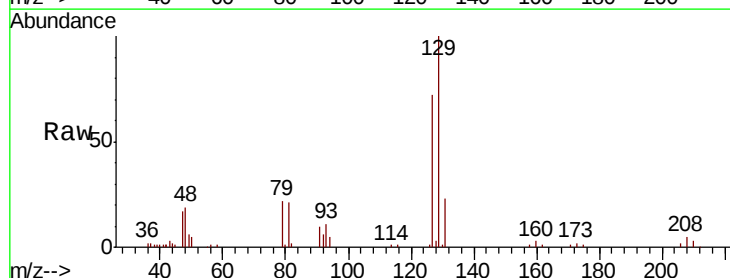
Instrument :
MSVOA_N
ClientSampled :
VN1112WBS01

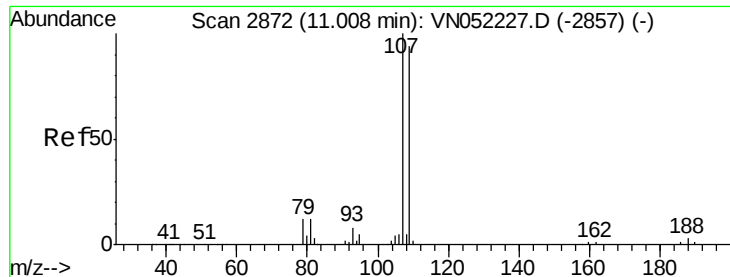
Tot Ion: 43 Resp: 189768
Ion Ratio Lower Upper
43 100
58 48.4 24.1 72.3



#60
Dibromochloromethane
Concen: 18.057 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Tgt Ion: 129 Resp: 56889
Ion Ratio Lower Upper
129 100
127 76.5 38.0 114.1

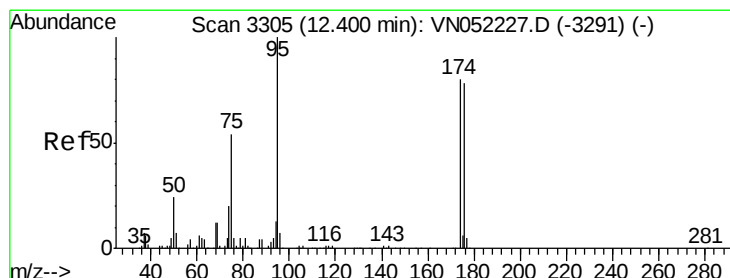
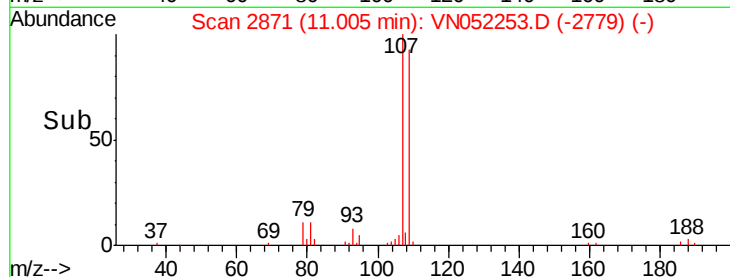
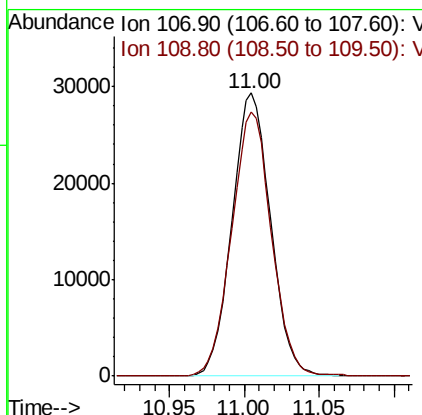
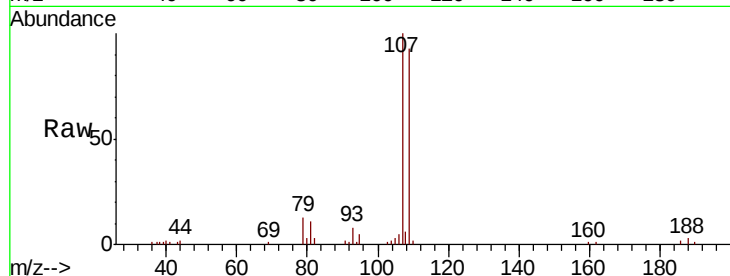




#61
 1,2-Dibromoethane
 Concen: 17.240 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

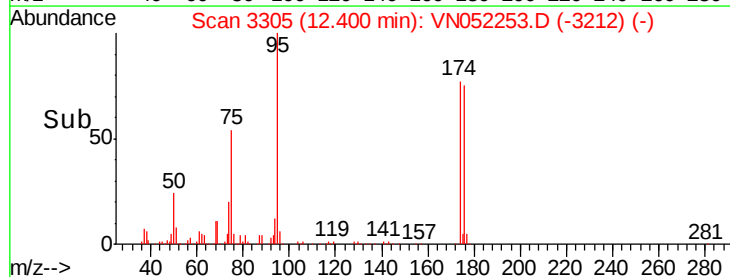
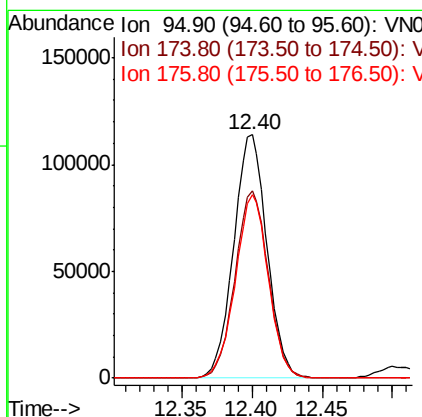
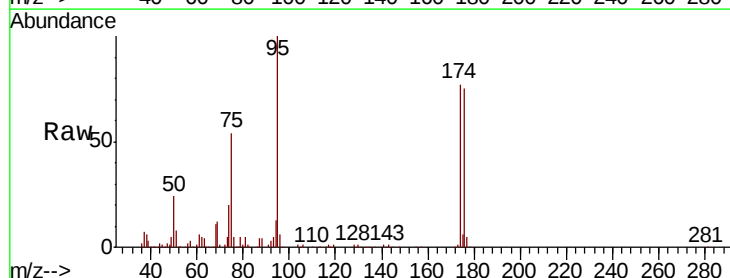
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

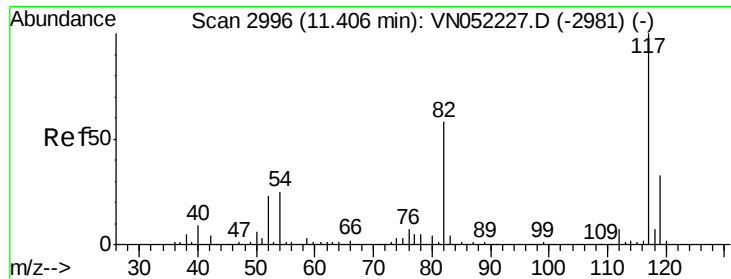
Tot Ion:107 Resp: 52627
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 17.240 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

Tgt Ion: 95 Resp: 188720
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 159.4
 176 74.3 0.0 157.8

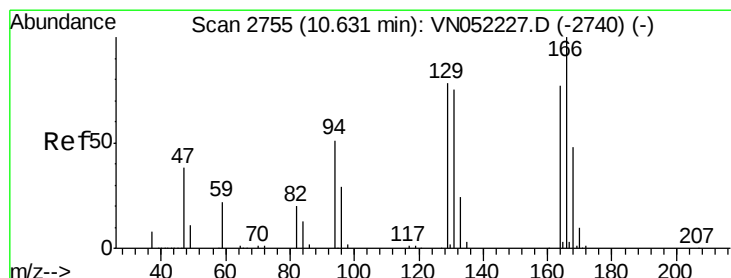
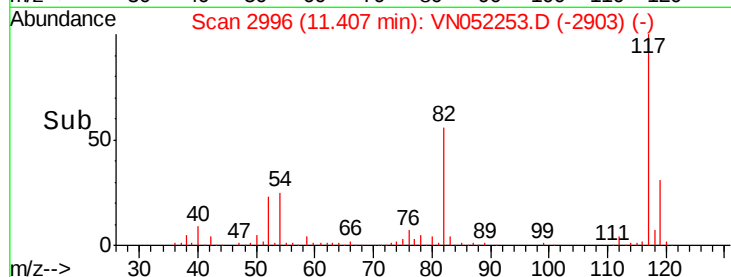
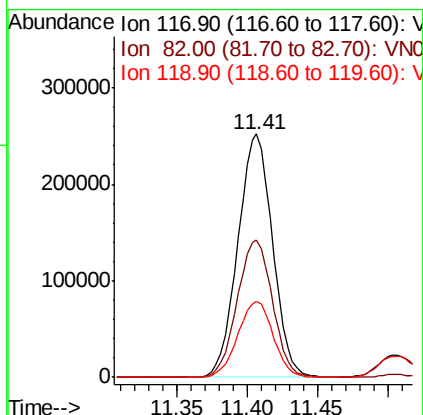
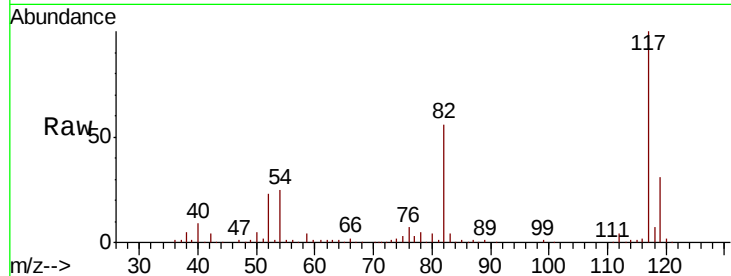




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

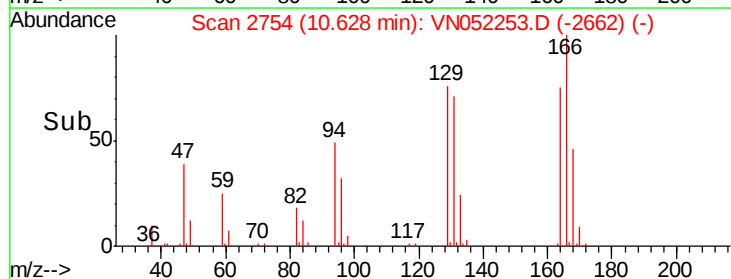
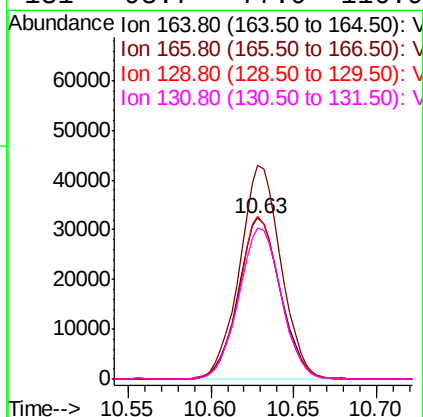
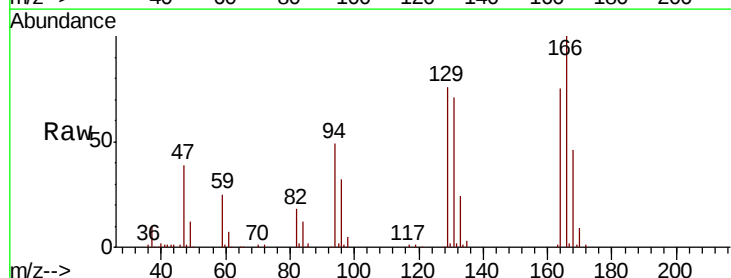
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

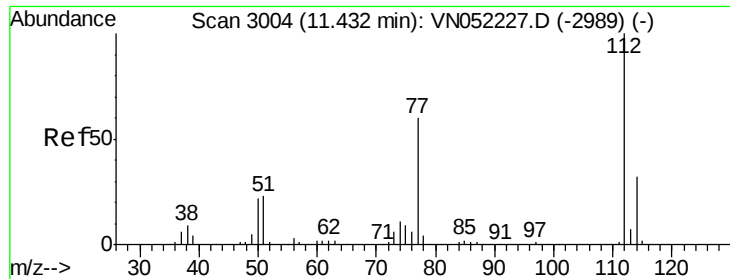
Tot Ion:117 Resp: 434926
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.2
119 31.5 26.2 39.4



#64
Tetrachloroethene
Concen: 18.752 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Tgt Ion:164 Resp: 57100
Ion Ratio Lower Upper
164 100
166 132.7 103.6 155.4
129 101.4 81.0 121.6
131 93.7 77.9 116.9

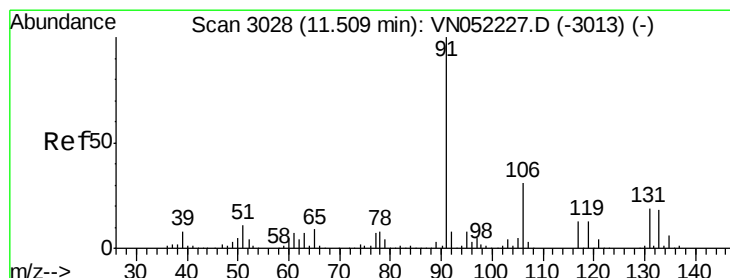
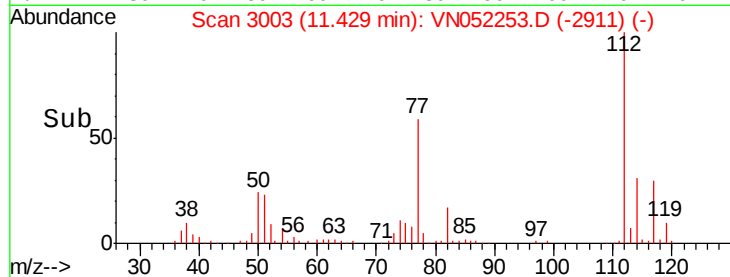
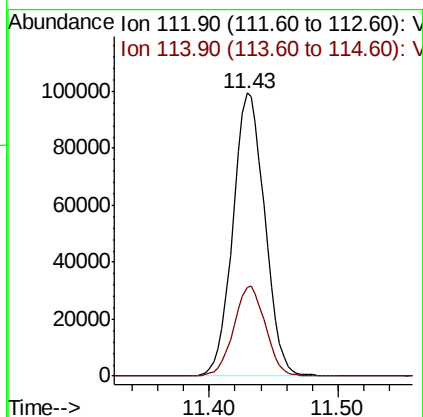
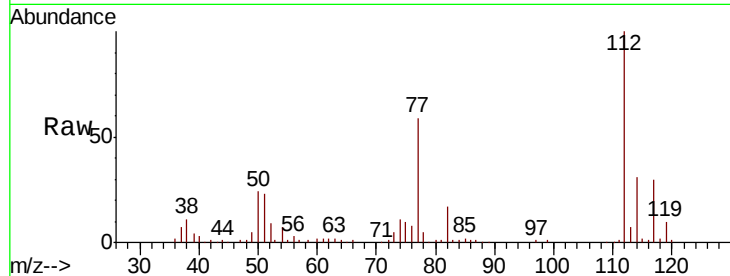




#65
Chlorobenzene
Concen: 18.511 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

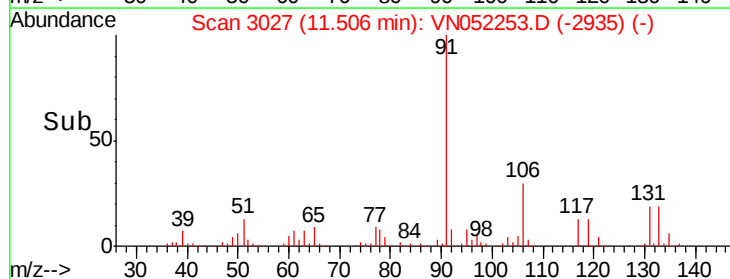
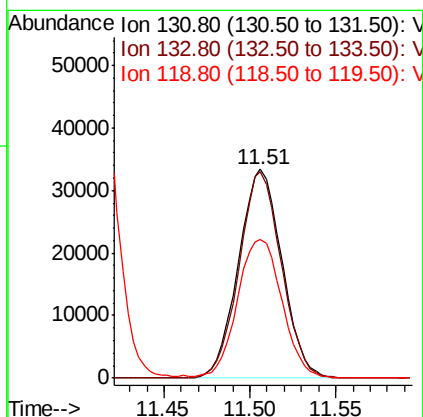
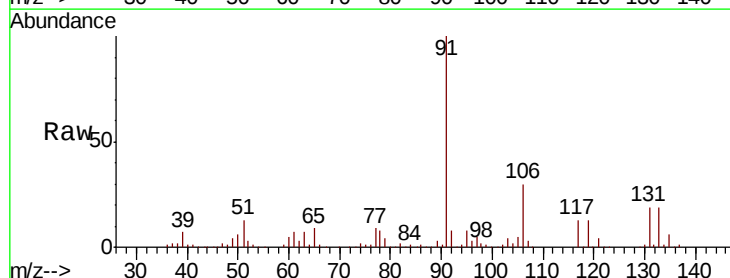
Instrument :
MSVOA_N
ClientSampled :
VN1112WBS01

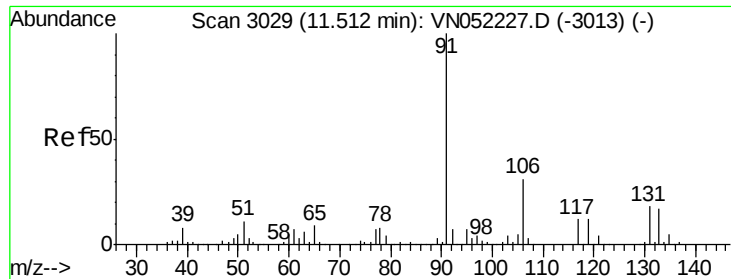
Tot Ion:112 Resp: 170596
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 18.751 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Tgt Ion:131 Resp: 58536
Ion Ratio Lower Upper
131 100
133 96.2 48.3 144.9
119 68.0 34.6 103.9

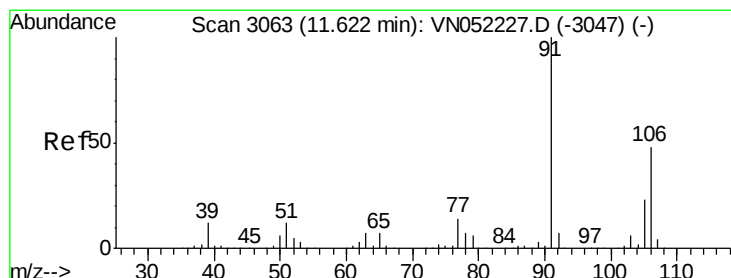
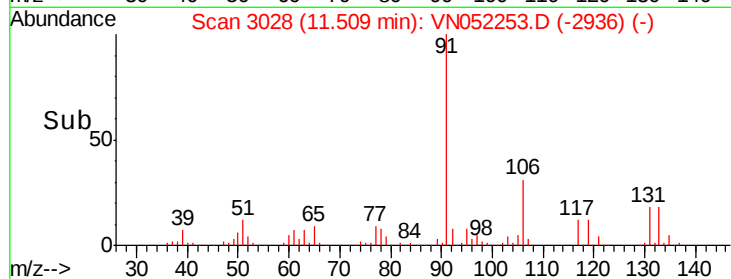
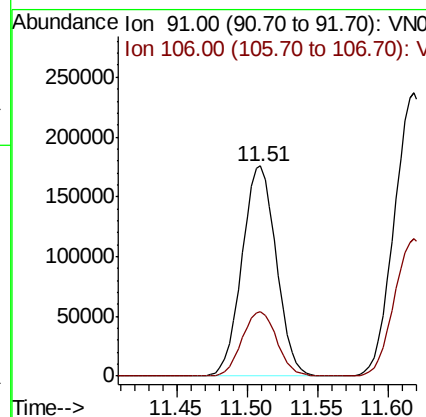
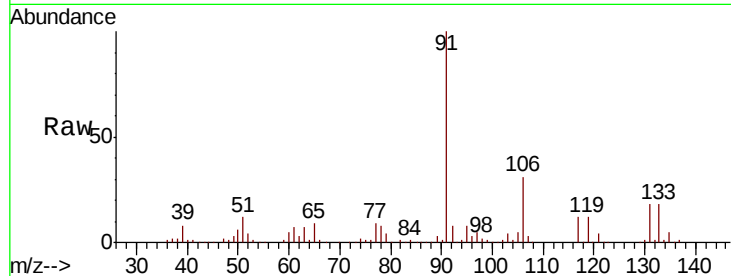




#67
Ethyl Benzene
Concen: 18.487 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

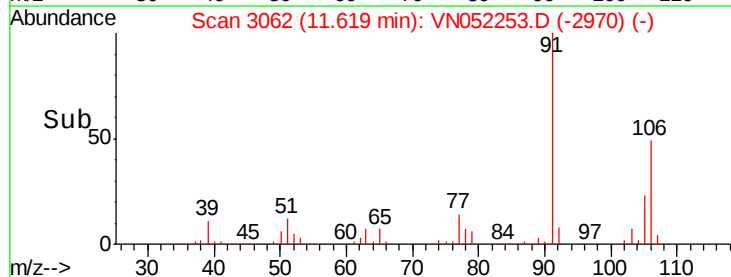
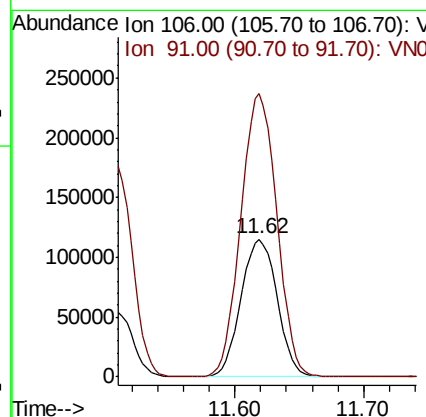
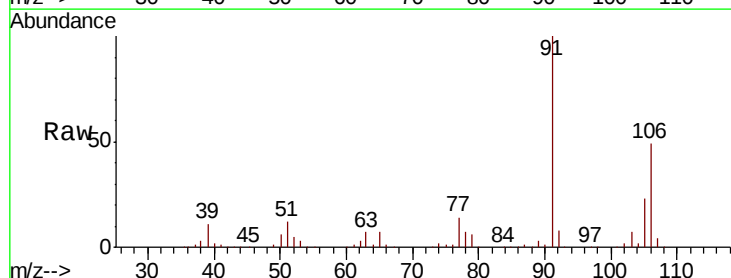
Instrument :
MSVOA_N
ClientSampled :
VN1112WBS01

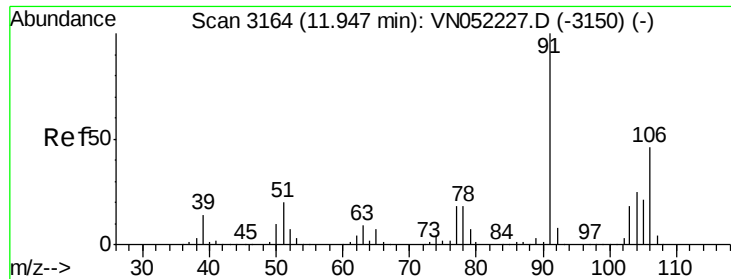
Tot Ion: 91 Resp: 299678
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1



#68
m/p-Xylenes
Concen: 37.360 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Tgt Ion: 106 Resp: 225534
Ion Ratio Lower Upper
106 100
91 204.5 165.7 248.5

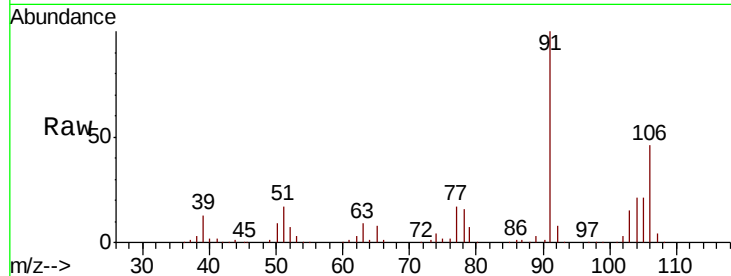




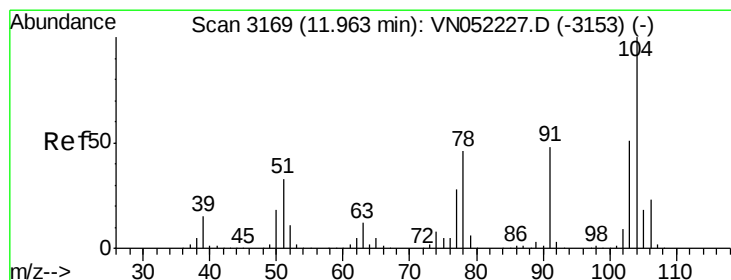
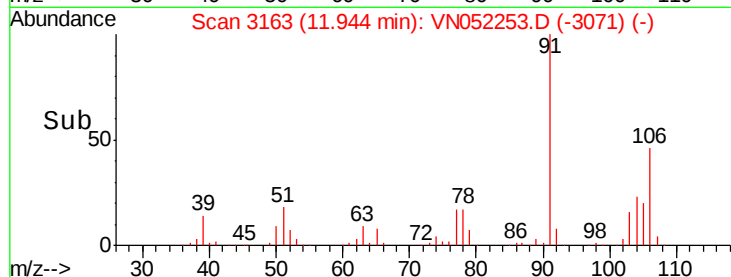
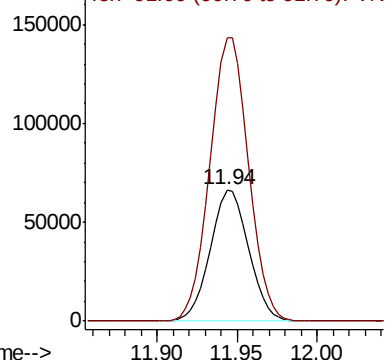
#69
o-Xylene
Concen: 18.824 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion:106 Resp: 108568
Ion Ratio Lower Upper
106 100
91 216.7 108.5 325.5

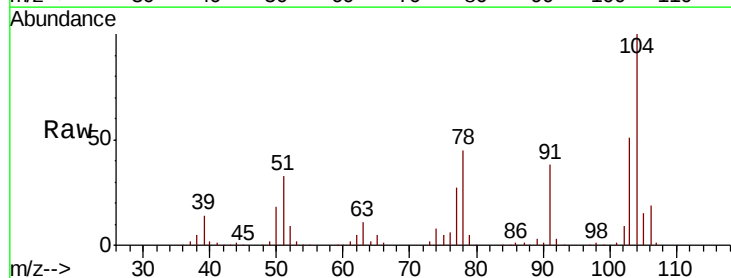


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

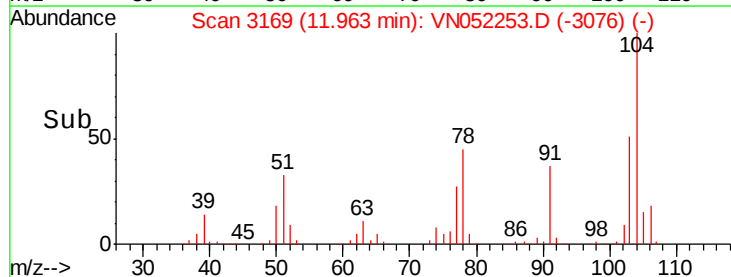
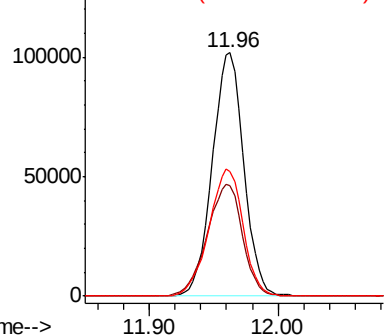


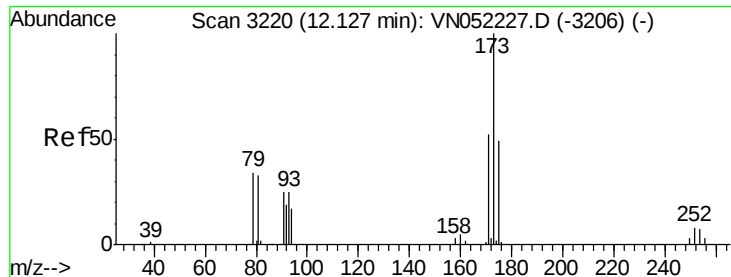
#70
Styrene
Concen: 18.557 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Tgt Ion:104 Resp: 172910
Ion Ratio Lower Upper
104 100
78 51.6 41.8 62.6
103 56.6 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 16.908 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

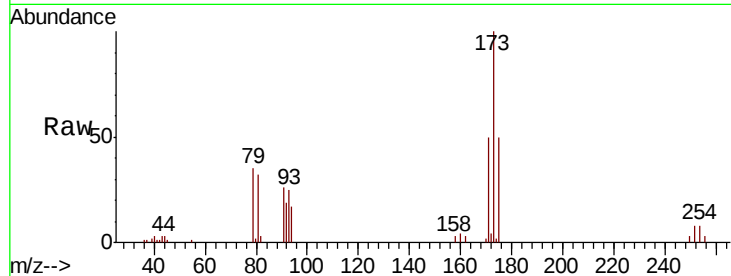
Tot Ion:173 Resp: 31488

Ion Ratio Lower Upper

173 100

175 49.8 24.5 73.5

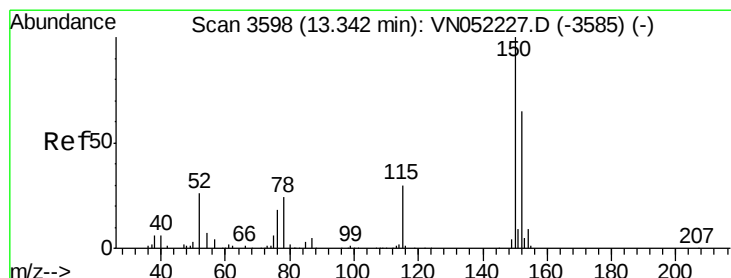
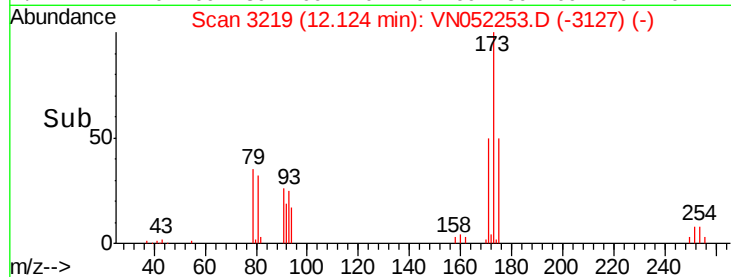
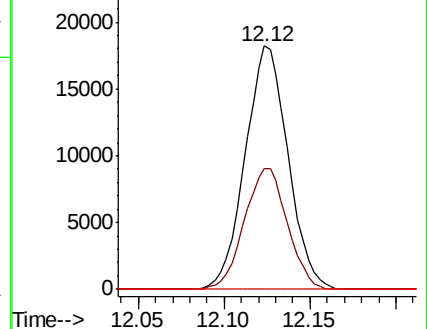
254 0.0 0.0 0.0



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: VN052253.D

Acq: 12 Nov 2018 10:46

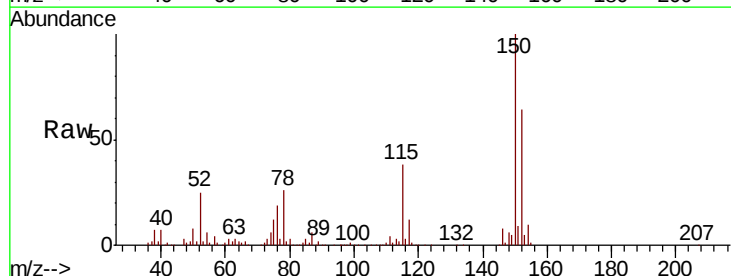
Tgt Ion:152 Resp: 191652

Ion Ratio Lower Upper

152 100

115 58.9 29.8 89.5

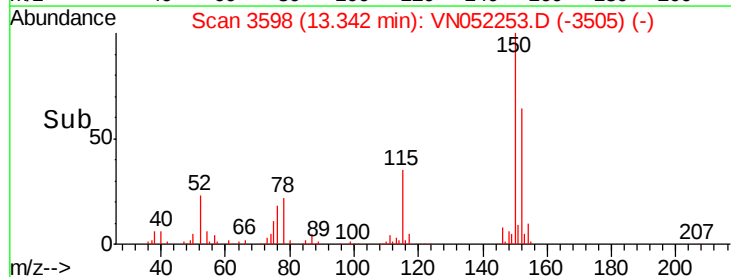
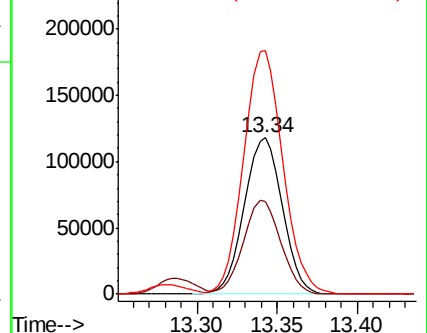
150 160.6 0.0 350.2

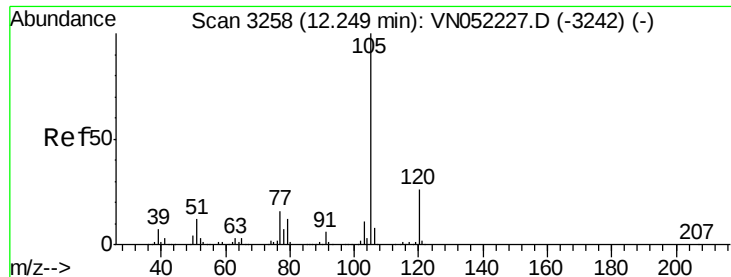


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.614 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

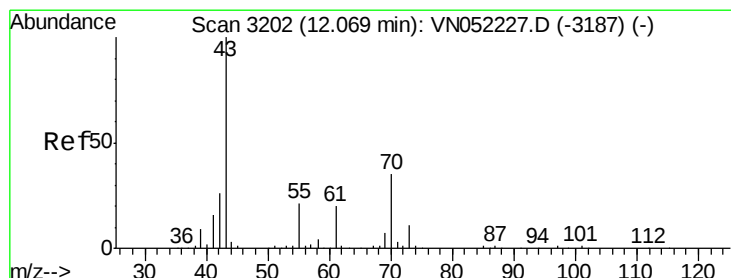
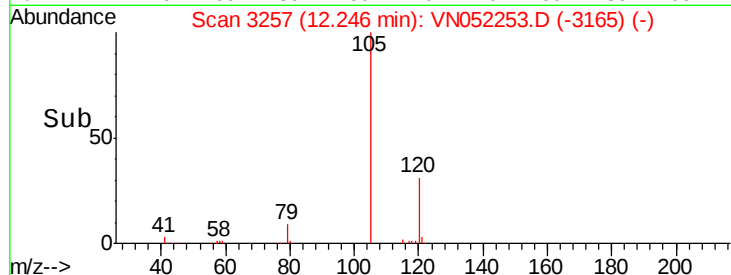
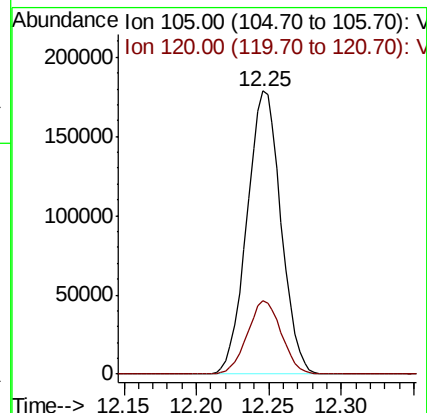
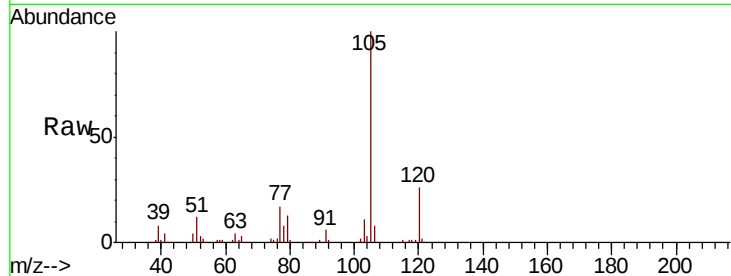
VN1112WBS01

Tot Ion:105 Resp: 291620

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1



#74

N-ethyl acetate

Concen: 15.323 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Tgt Ion: 43 Resp: 87153

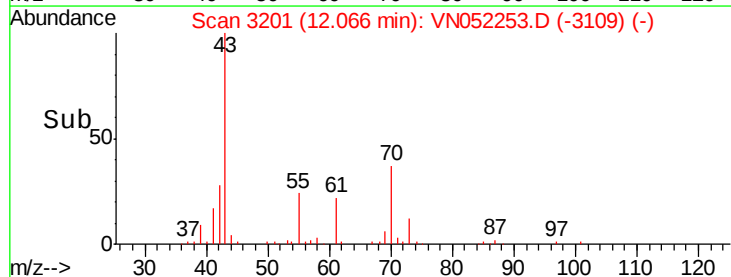
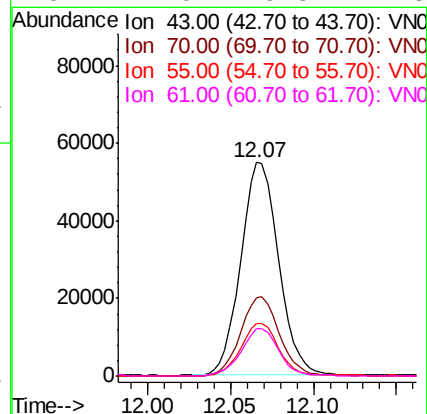
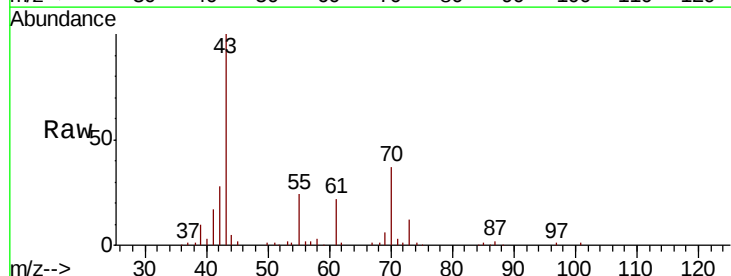
Ion Ratio Lower Upper

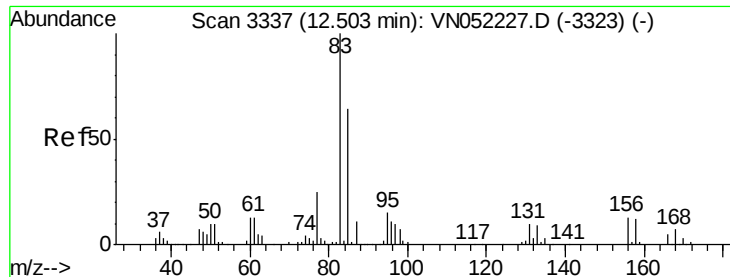
43 100

70 38.2 28.2 42.2

55 25.0 17.4 26.2

61 22.0 16.3 24.5





#75

1,1,2,2-Tetrachloroethane

Concen: 16.485 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

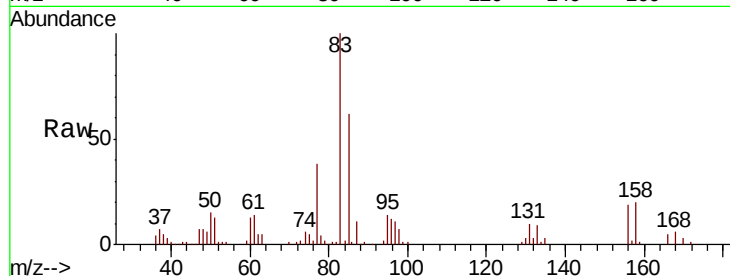
Tot Ion: 83 Resp: 63315

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.2

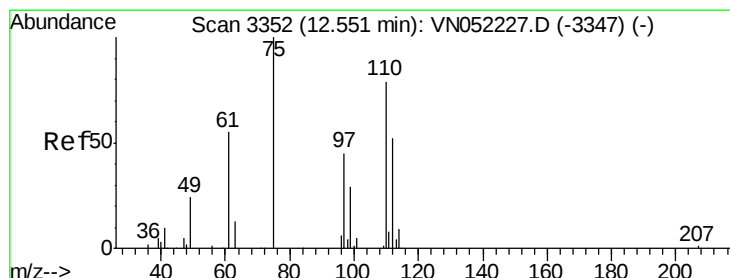
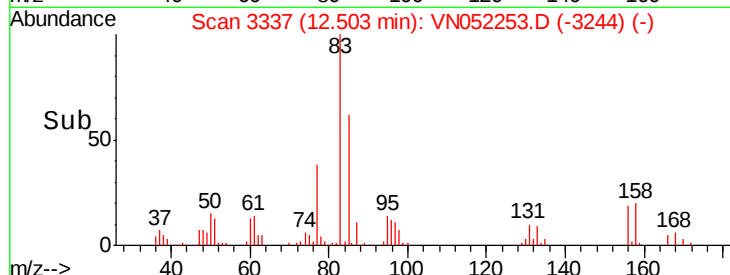
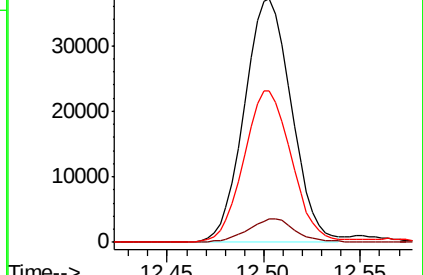
85 62.6 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN052227.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052227.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052227.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 23.564 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN052253.D

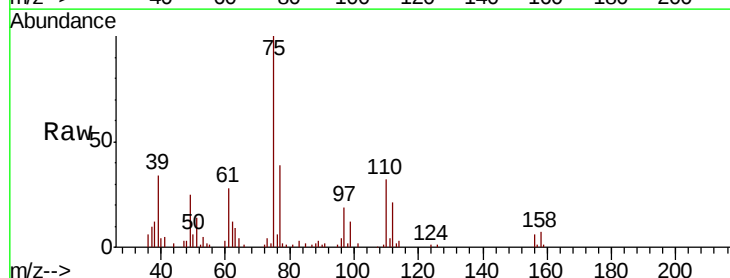
Acq: 12 Nov 2018 10:46

Tgt Ion: 75 Resp: 79903

Ion Ratio Lower Upper

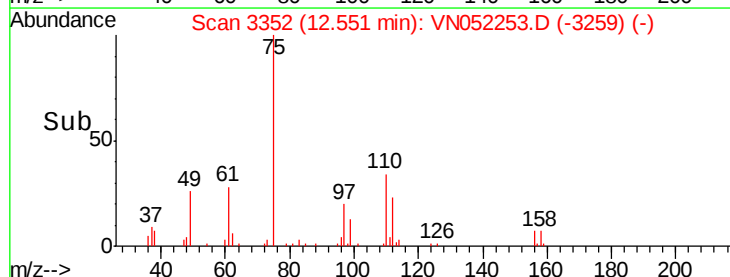
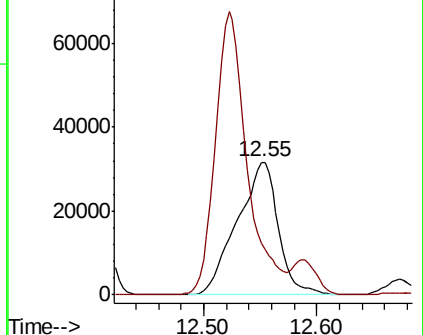
75 100

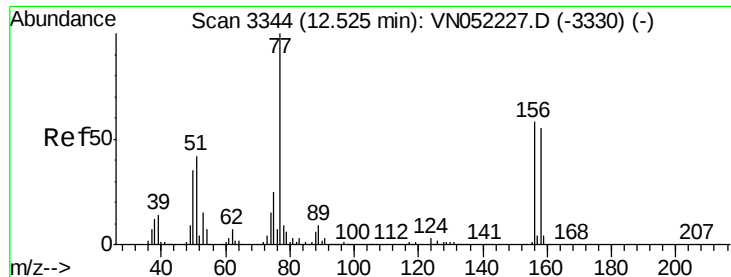
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN052227.D (-3347) (-)





#77

Bromobenzene

Concen: 17.928 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

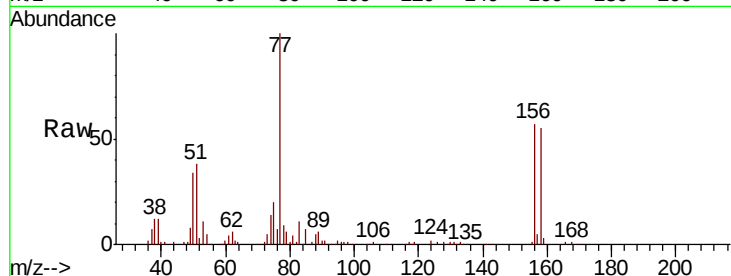
Tot Ion:156 Resp: 65745

Ion Ratio Lower Upper

156 100

77 200.5 101.1 303.3

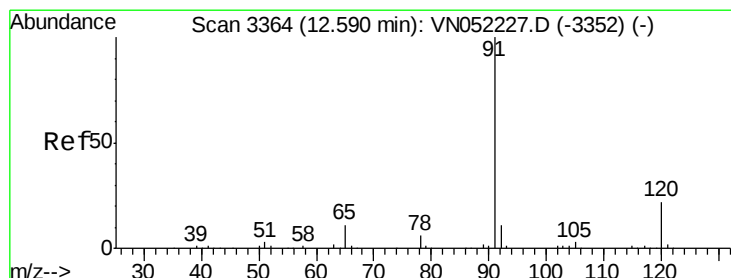
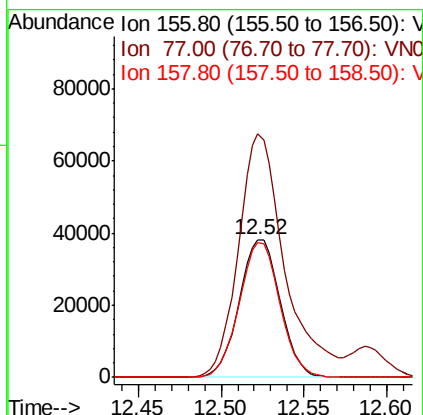
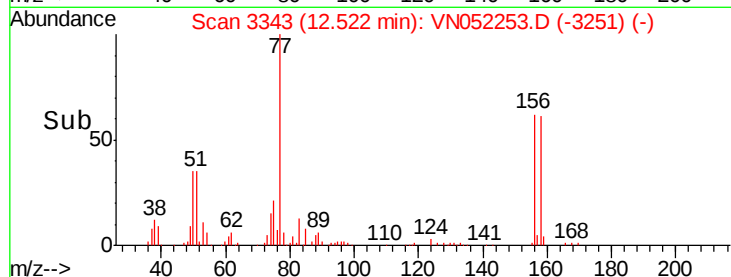
158 97.0 47.8 143.3



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: 18.714 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052253.D

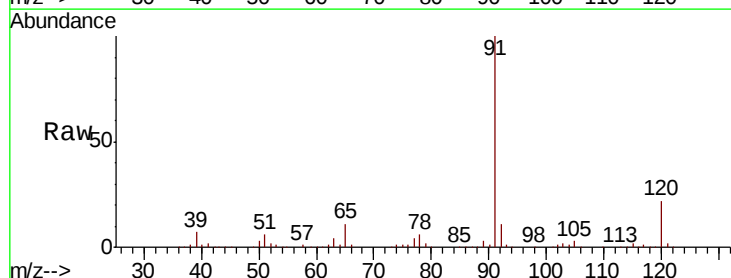
Acq: 12 Nov 2018 10:46

Tgt Ion: 91 Resp: 343386

Ion Ratio Lower Upper

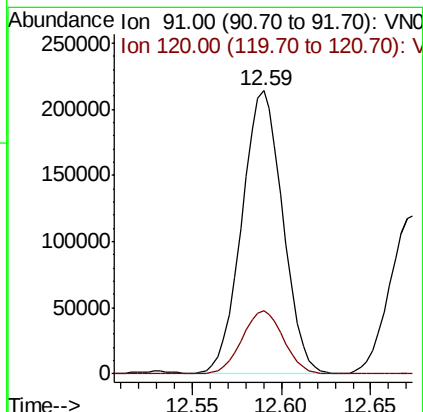
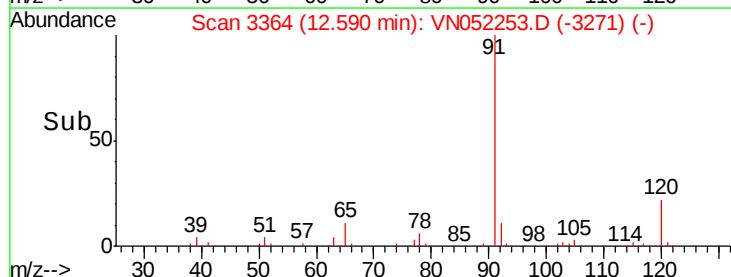
91 100

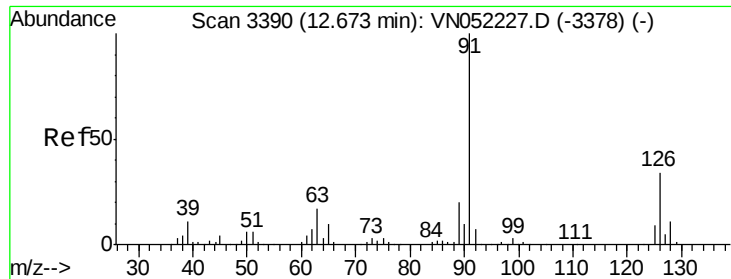
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.652 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

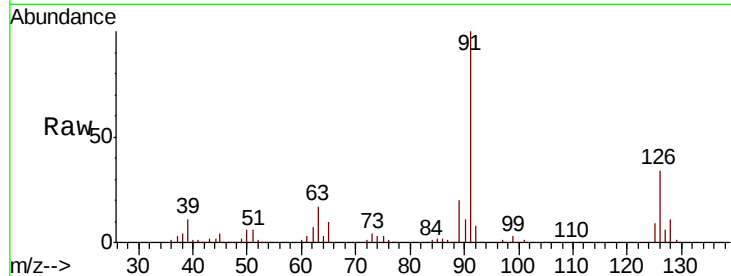
VN1112WBS01

Tot Ion: 91 Resp: 198273

Ion Ratio Lower Upper

91 100

126 34.4 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052227.D (-3378) (-)

200000

150000

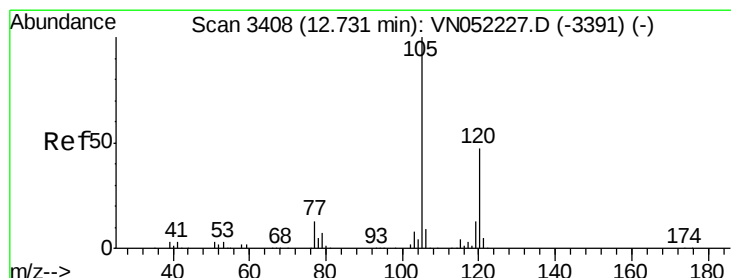
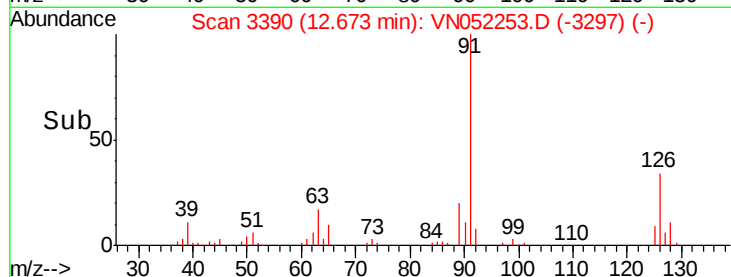
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.846 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052253.D

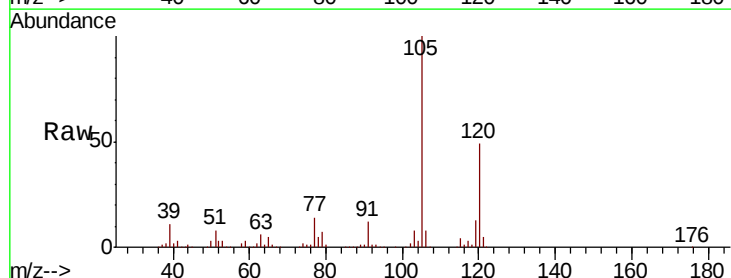
Acq: 12 Nov 2018 10:46

Tgt Ion: 105 Resp: 234812

Ion Ratio Lower Upper

105 100

120 48.3 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VN052227.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052227.D (-3391) (-)

150000

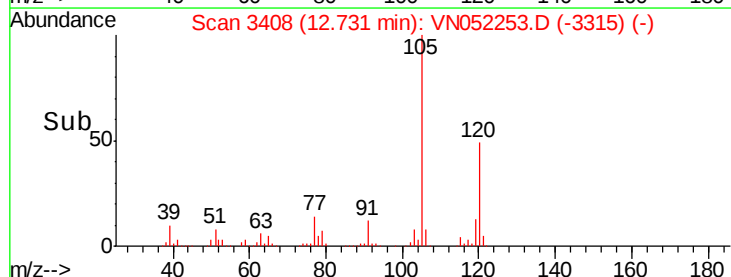
100000

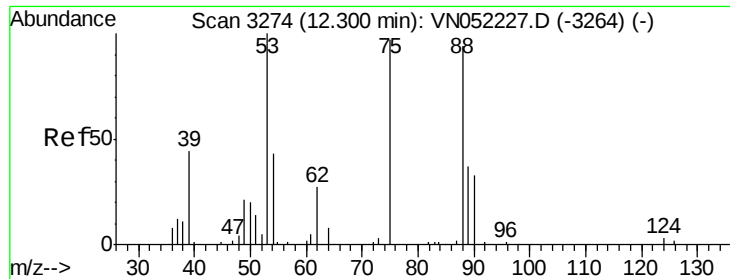
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.742 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

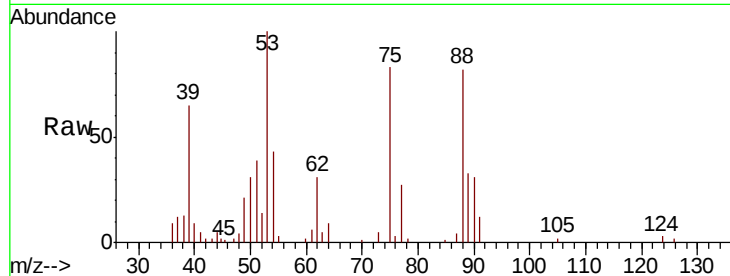
Tot Ion: 75 Resp: 15638

Ion Ratio Lower Upper

75 100

53 113.7 84.0 126.0

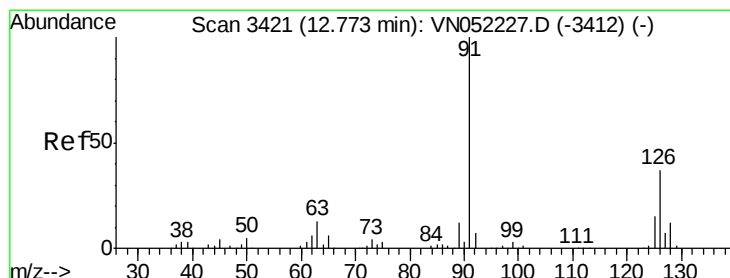
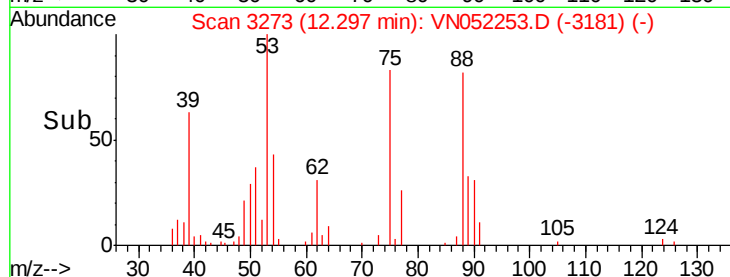
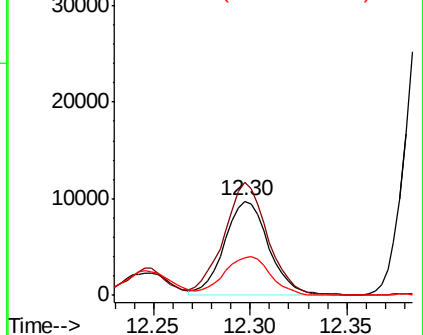
89 42.6 33.7 50.5



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: 18.363 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN052253.D

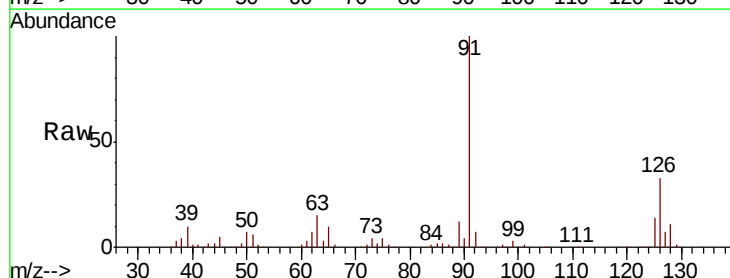
Acq: 12 Nov 2018 10:46

Tgt Ion: 91 Resp: 195861

Ion Ratio Lower Upper

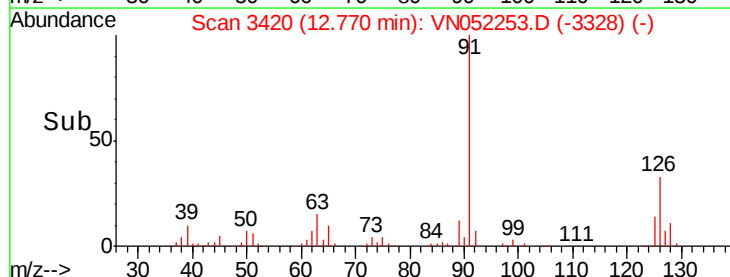
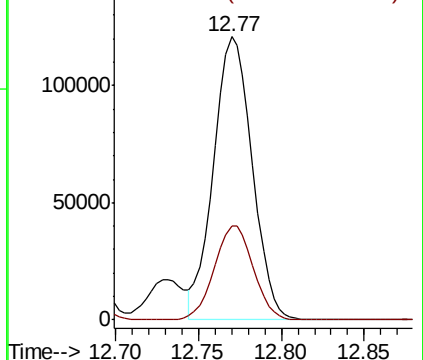
91 100

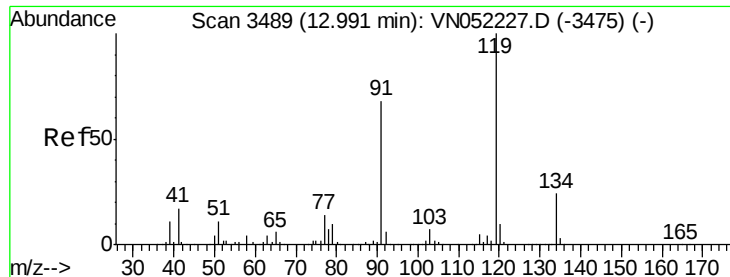
126 33.5 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

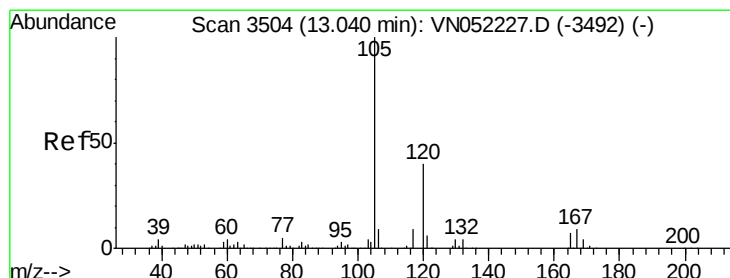
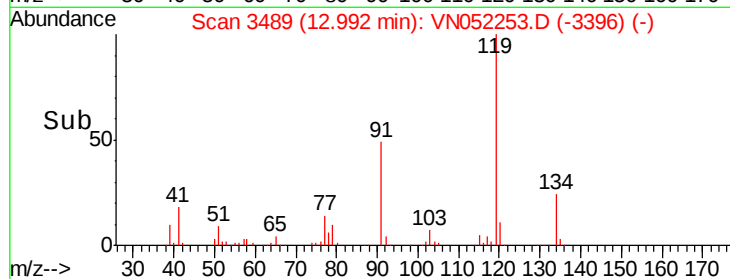
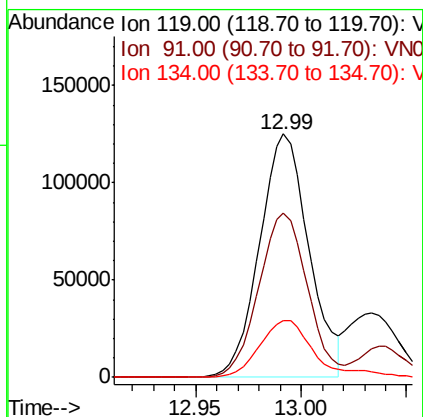
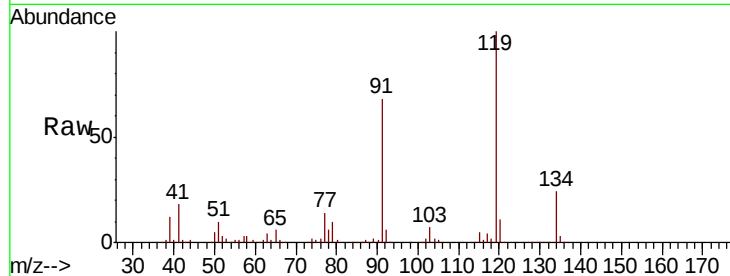




#83
tert-Butylbenzene
Concen: 18.731 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

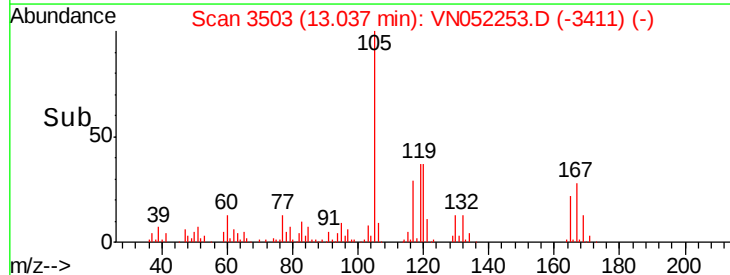
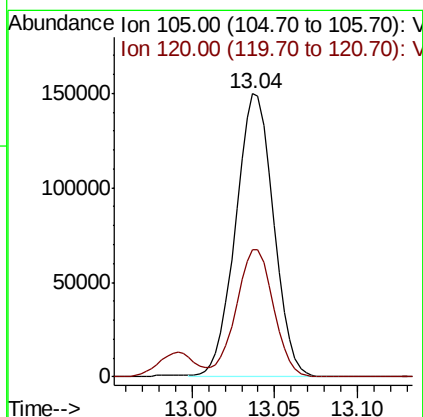
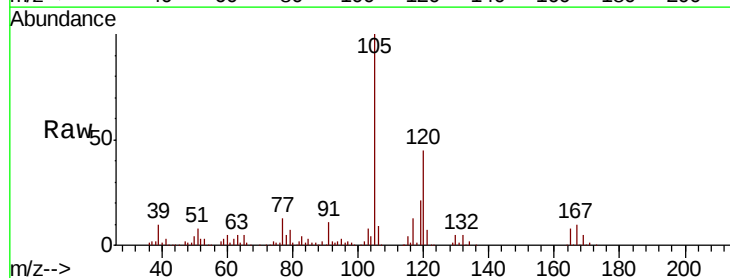
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

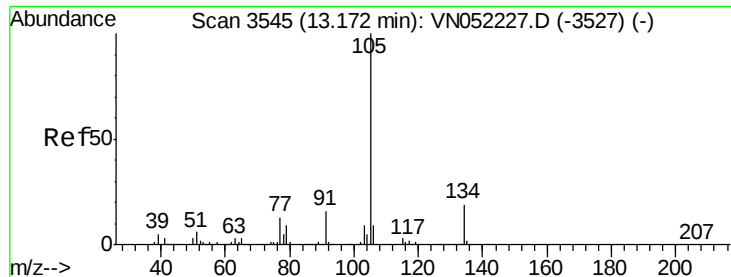
Tot Ion:119 Resp: 203747
Ion Ratio Lower Upper
119 100
91 66.7 33.5 100.4
134 26.2 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 18.993 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Tgt Ion:105 Resp: 238597
Ion Ratio Lower Upper
105 100
120 44.1 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.220 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

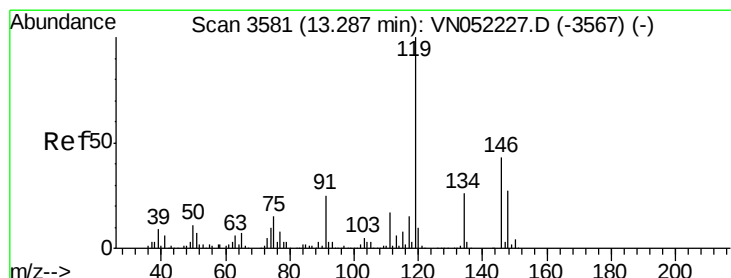
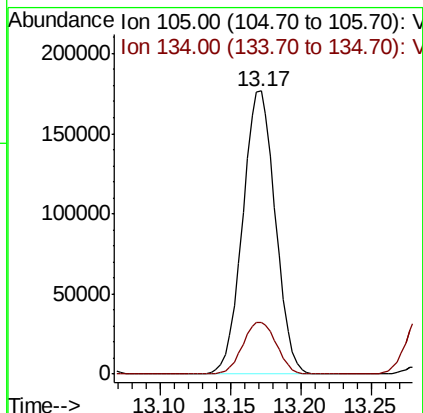
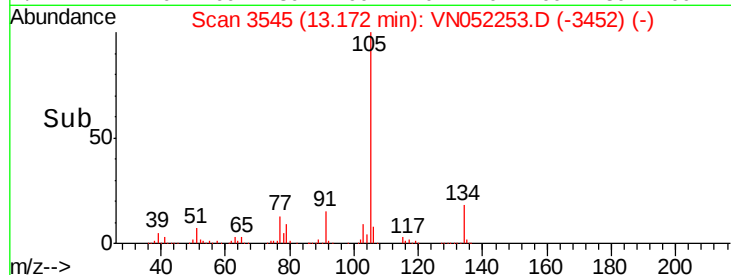
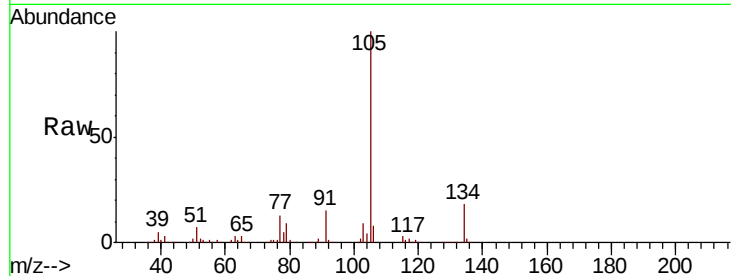
VN1112WBS01

Tot Ion:105 Resp: 286700

Ion Ratio Lower Upper

105 100

134 19.0 9.7 28.9



#86

p-Isopropyltoluene

Concen: 19.156 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

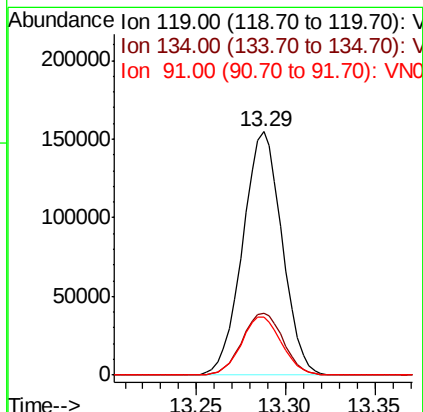
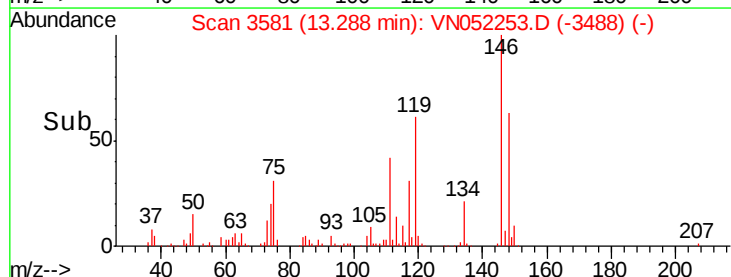
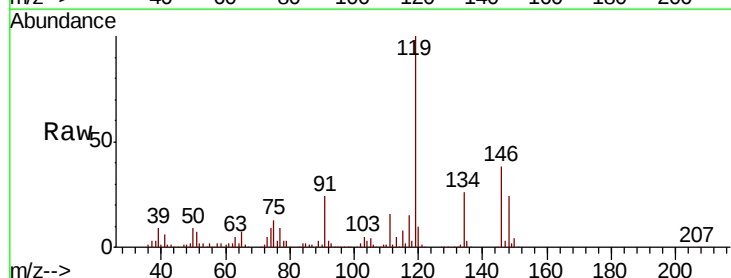
Tgt Ion:119 Resp: 239054

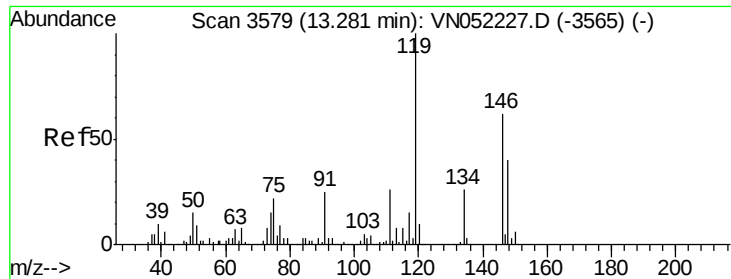
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.6

91 24.5 12.4 37.0

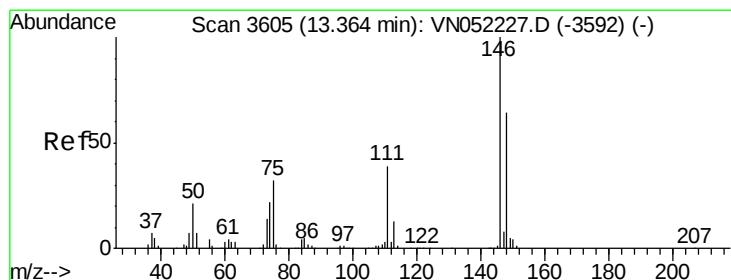
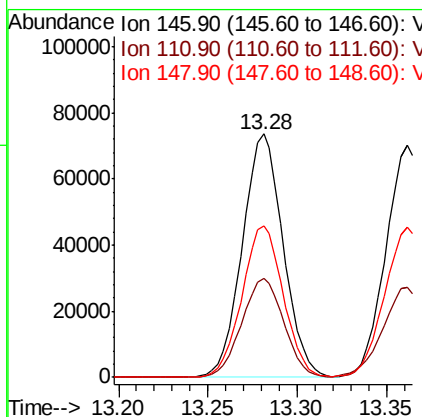
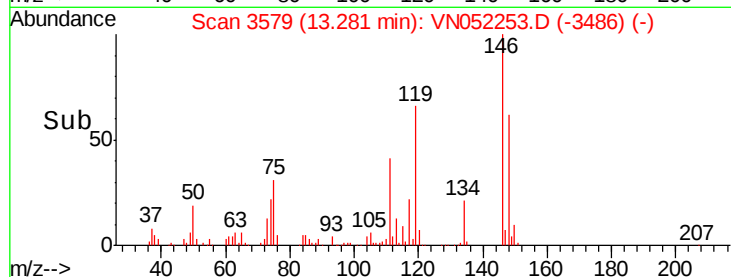
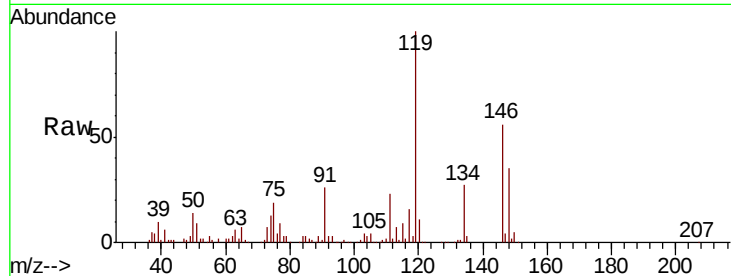




#87
 1,3-Dichlorobenzene
 Concen: 18.452 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

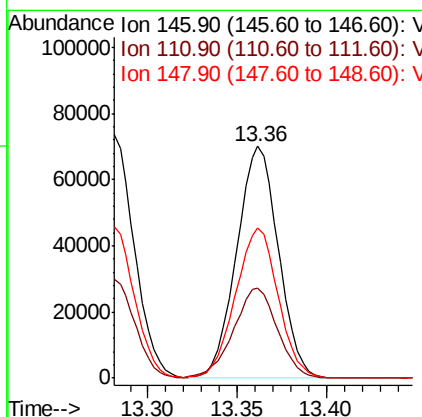
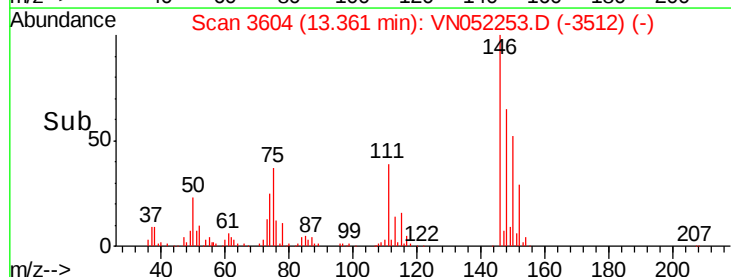
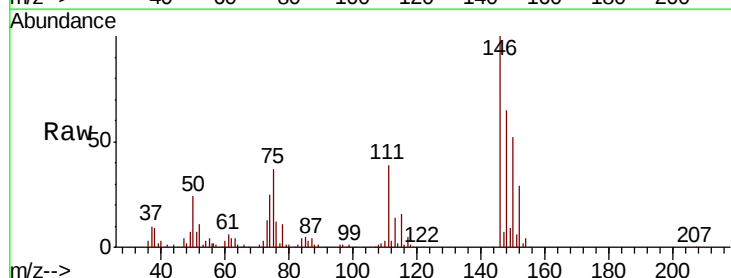
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

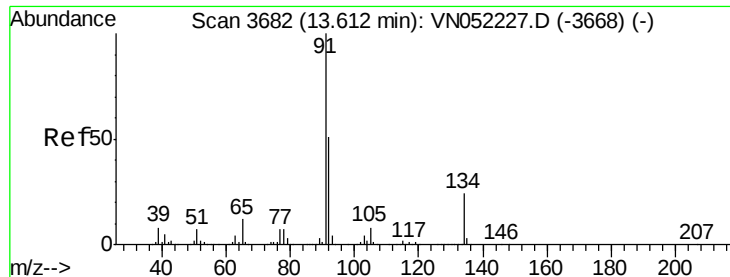
Tot Ion:146 Resp: 117799
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.1 60.3
 148 63.0 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 17.943 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

Tgt Ion:146 Resp: 114677
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.2 60.6
 148 66.2 32.1 96.3

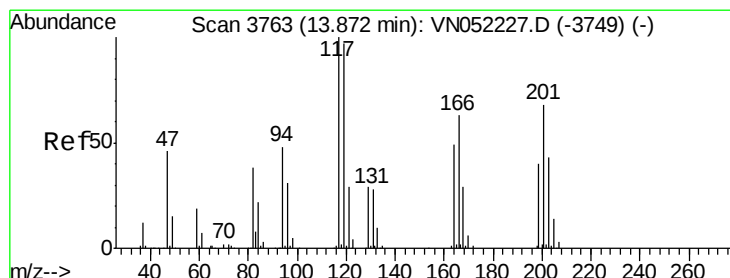
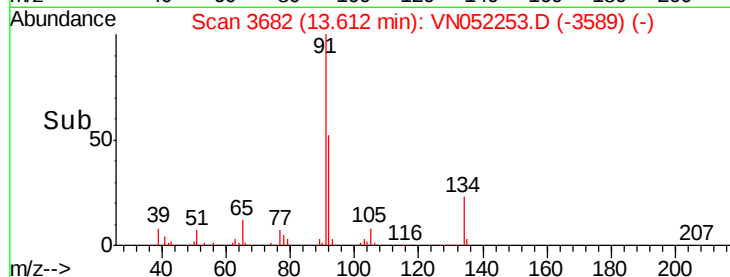
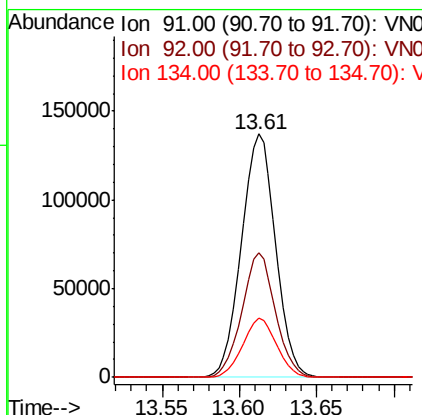
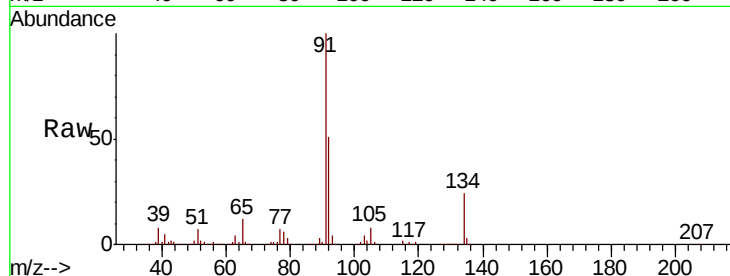




#89
n-Butylbenzene
Concen: 18.921 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

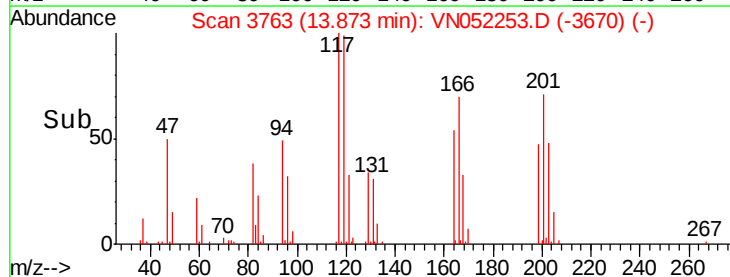
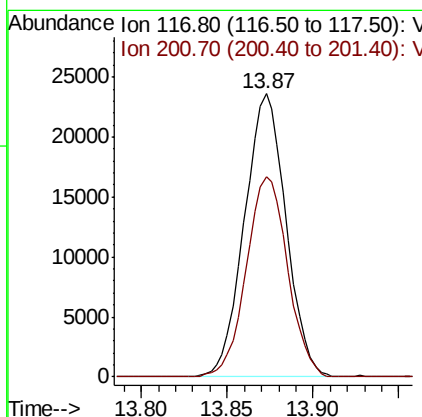
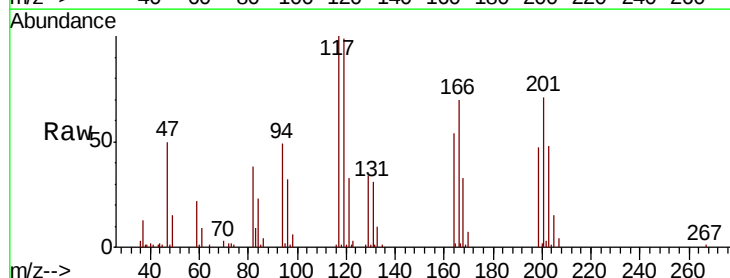
Instrument :
MSVOA_N
ClientSampled :
VN1112WBS01

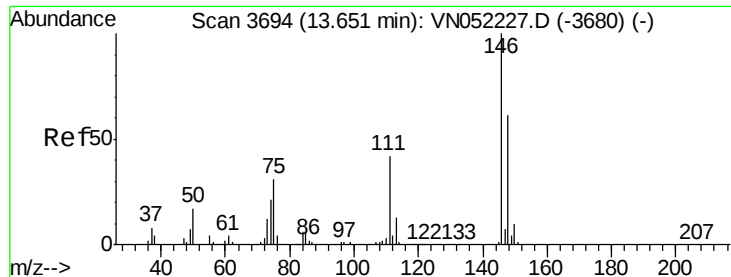
Tot Ion: 91 Resp: 210259
Ion Ratio Lower Upper
91 100
92 50.0 25.1 75.3
134 24.1 12.0 36.1



#90
Hexachloroethane
Concen: 18.065 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052253.D
Acq: 12 Nov 2018 10:46

Tgt Ion: 117 Resp: 39570
Ion Ratio Lower Upper
117 100
201 70.1 34.6 103.9

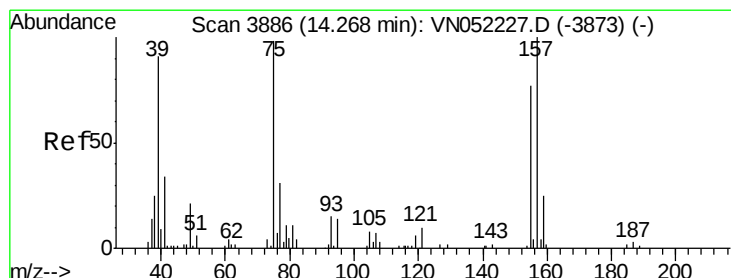
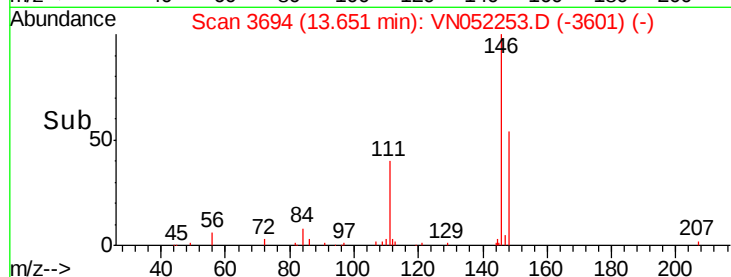
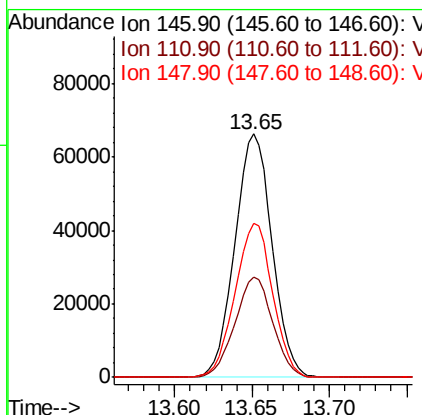
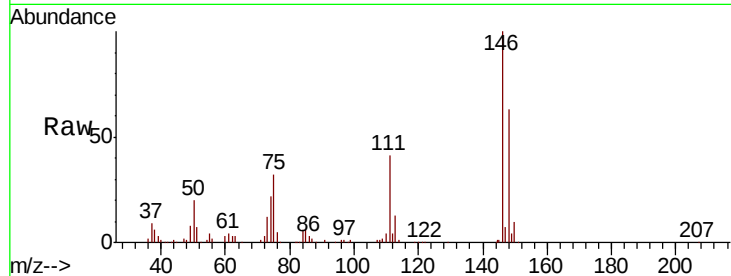




#91
 1,2-Dichlorobenzene
 Concen: 17.752 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

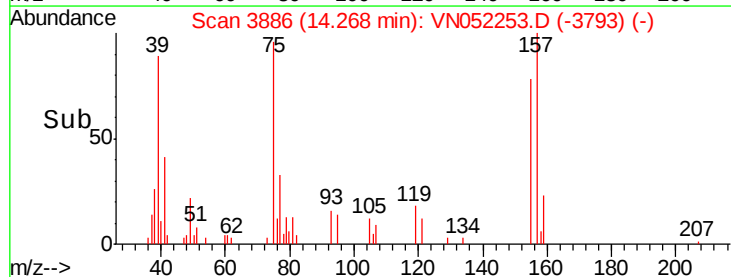
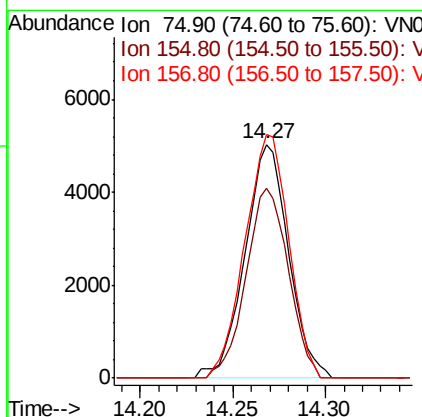
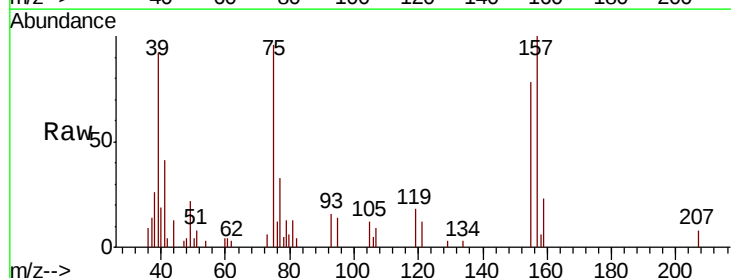
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

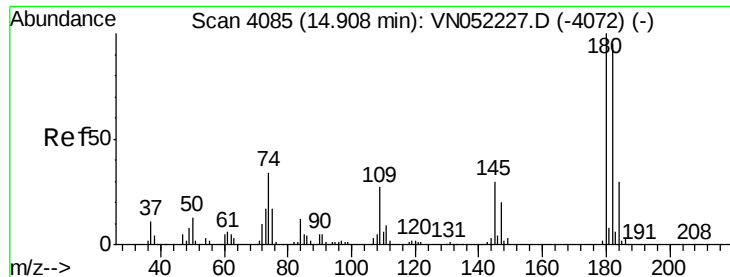
Tot Ion:146 Resp: 110601
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.1 63.3
 148 63.8 31.3 93.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.120 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

Tgt Ion: 75 Resp: 8256
 Ion Ratio Lower Upper
 75 100
 155 78.6 40.2 120.5
 157 104.3 51.7 155.2

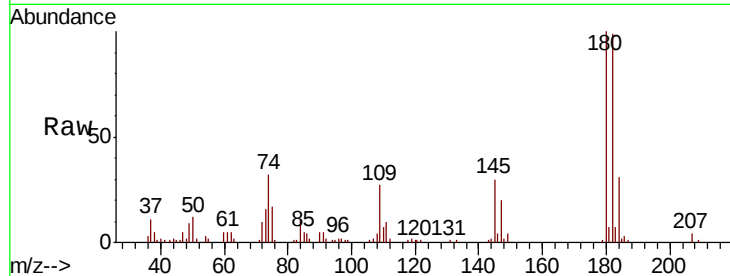




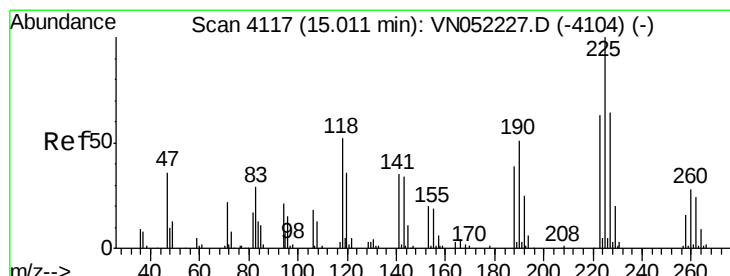
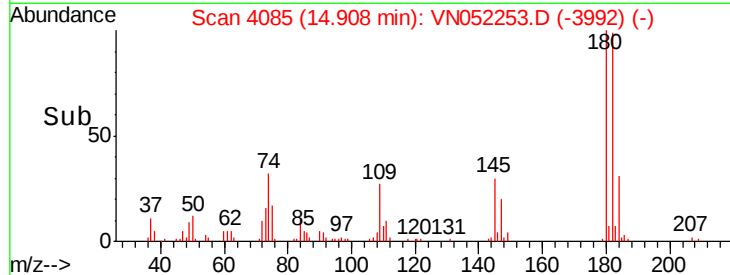
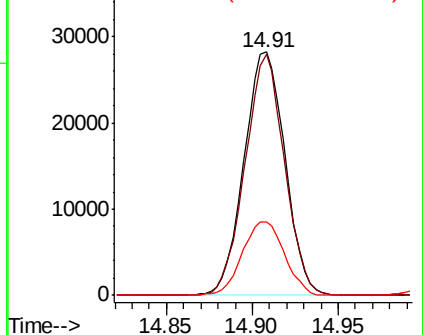
#93
 1,2,4-Trichlorobenzene
 Concen: 18.934 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Tot Ion:180 Resp: 46646
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.3 142.0
 145 31.0 15.6 46.8

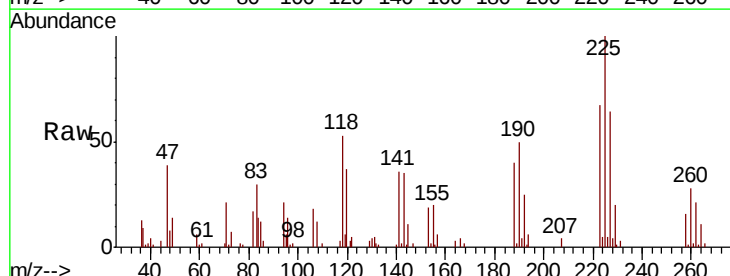


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

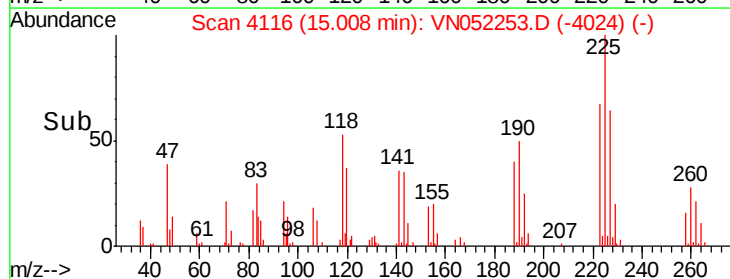
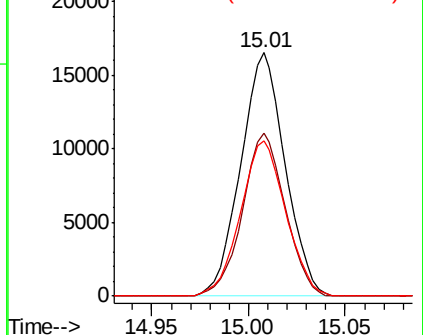


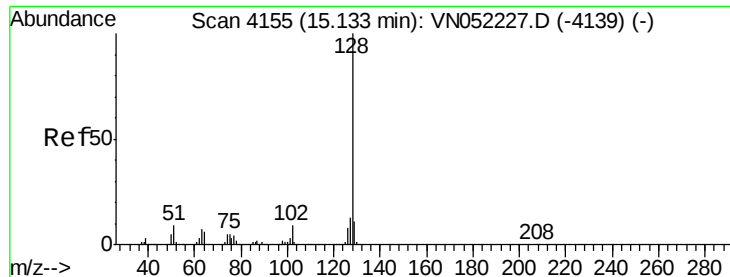
#94
 Hexachlorobutadiene
 Concen: 19.667 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052253.D
 Acq: 12 Nov 2018 10:46

Tgt Ion:225 Resp: 26329
 Ion Ratio Lower Upper
 225 100
 223 64.2 32.1 96.3
 227 64.8 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.949 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

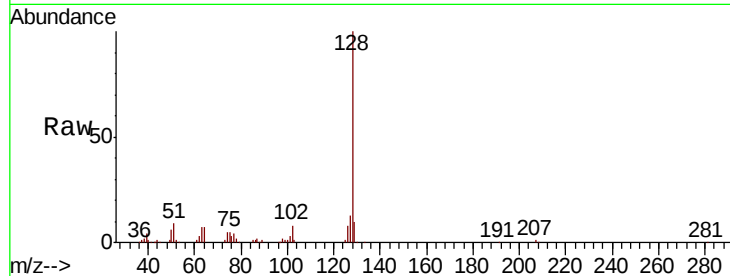
Tot Ion:128 Resp: 96841

Ion Ratio Lower Upper

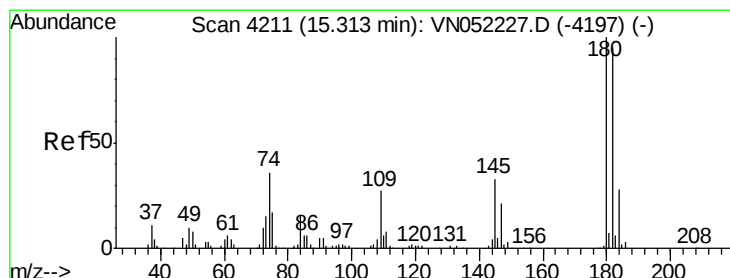
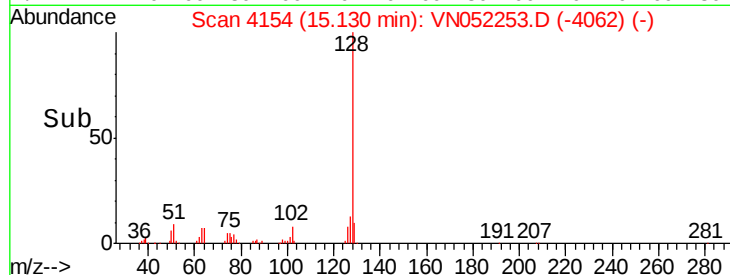
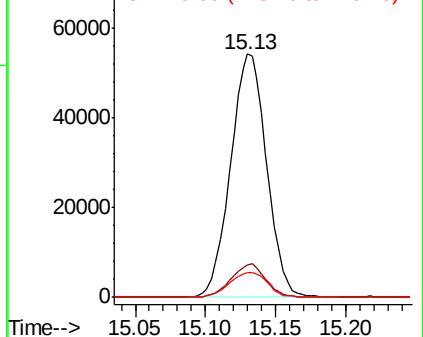
128 100

127 13.3 10.6 16.0

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.037 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN052253.D

Acq: 12 Nov 2018 10:46

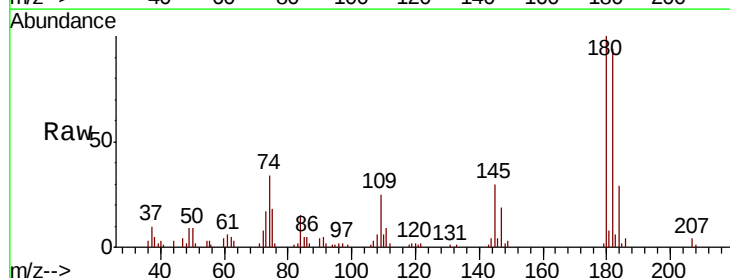
Tgt Ion:180 Resp: 42013

Ion Ratio Lower Upper

180 100

182 92.6 47.7 143.1

145 30.2 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

