

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052239.D
 Acq On : 9 Nov 2018 20:42
 Operator : MD\SY
 Sample : VN1109WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Quant Time: Nov 12 03:25:17 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	7.67	168	278833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	484799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	434857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183888	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	184930	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
35) Dibromofluoromethane	7.59	113	145285	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
50) Toluene-d8	10.09	98	578203	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
62) 4-Bromofluorobenzene	12.40	95	184225	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	59868	19.750	ug/l	100
3) Chloromethane	2.06	50	84433	19.950	ug/l	99
4) Vinyl Chloride	2.19	62	69346	19.666	ug/l	97
5) Bromomethane	2.57	94	41497	18.548	ug/l	91
6) Chloroethane	2.71	64	39092	18.669	ug/l	98
7) Trichlorofluoromethane	3.02	101	93579	19.064	ug/l	99
8) Diethyl Ether	3.41	74	37650	19.497	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	56934	18.079	ug/l	98
10) Methyl Iodide	3.96	142	74711	18.284	ug/l	99
11) Tert butyl alcohol	4.78	59	22089	113.005	ug/l	95
12) 1,1-Dichloroethene	3.74	96	54848	18.815	ug/l	95
13) Acrolein	3.61	56	31180	122.868	ug/l	99
14) Allyl chloride	4.33	41	109013	17.862	ug/l	99
15) Acrylonitrile	4.99	53	123204	102.552	ug/l	100
16) Acetone	3.82	43	96451	93.446	ug/l	96
17) Carbon Disulfide	4.06	76	149381	17.665	ug/l	98
18) Methyl Acetate	4.33	43	59843	18.781	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	162385	19.498	ug/l	98
20) Methylene Chloride	4.55	84	66612	19.162	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	59479	18.774	ug/l	95
22) Diisopropyl ether	5.95	45	237422	19.406	ug/l	95
23) Vinyl Acetate	5.90	43	821794	97.891	ug/l	99
24) 1,1-Dichloroethane	5.85	63	120009	18.571	ug/l	98
25) 2-Butanone	6.84	43	151995	93.436	ug/l	97
26) 2,2-Dichloropropane	6.83	77	80186	16.990	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	69069	19.476	ug/l	99
28) Bromochloromethane	7.19	49	61799	19.354	ug/l	99
29) Tetrahydrofuran	7.21	42	102087	96.428	ug/l	97
30) Chloroform	7.37	83	114517	18.725	ug/l	99
31) Cyclohexane	7.66	56	119036	19.505	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	94764	19.011	ug/l	99
36) 1,1-Dichloropropene	7.79	75	89475	18.285	ug/l	98
37) Ethyl Acetate	6.93	43	69809	18.968	ug/l	98
38) Carbon Tetrachloride	7.77	117	80256	18.098	ug/l	99

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 Sample : VN1109WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
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 ClientSampleId :
 VN1109WBSD01

Quant Time: Nov 12 03:25:17 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	101518	18.189	ug/l	97
40) Benzene	8.04	78	267258	19.076	ug/l	99
41) Methacrylonitrile	7.18	41	33326	15.583	ug/l	91
42) 1,2-Dichloroethane	8.12	62	91683	18.652	ug/l	100
43) Isopropyl Acetate	8.17	43	125017	19.488	ug/l	98
44) Trichloroethene	8.84	130	64992	18.512	ug/l	93
45) 1,2-Dichloropropane	9.12	63	76079	19.438	ug/l	98
46) Dibromomethane	9.21	93	42471	18.891	ug/l	99
47) Bromodichloromethane	9.40	83	82851	17.787	ug/l	100
48) Methyl methacrylate	9.20	41	63753	18.861	ug/l	98
49) 1,4-Dioxane	9.20	88	12089	444.905	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	348222	98.291	ug/l	99
52) Toluene	10.16	92	162066	19.176	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	83000	18.057	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	98250	18.107	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	57920	18.961	ug/l	96
56) Ethyl methacrylate	10.43	69	79791	19.327	ug/l	99
57) 1,3-Dichloropropane	10.71	76	104016	19.022	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	224642	98.270	ug/l	99
59) 2-Hexanone	10.75	43	230374	92.630	ug/l	100
60) Dibromochloromethane	10.90	129	57526	18.566	ug/l	100
61) 1,2-Dibromoethane	11.00	107	56462	18.807	ug/l	99
64) Tetrachloroethene	10.63	164	55592	18.259	ug/l	97
65) Chlorobenzene	11.43	112	173097	18.786	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	59942	19.205	ug/l	96
67) Ethyl Benzene	11.51	91	304962	18.816	ug/l	98
68) m/p-Xylenes	11.62	106	226753	37.568	ug/l	98
69) o-Xylene	11.95	106	109538	18.995	ug/l	99
70) Styrene	11.96	104	176050	18.897	ug/l	100
71) Bromoform	12.12	173	32398	17.400	ug/l #	99
73) Isopropylbenzene	12.25	105	290102	19.299	ug/l	100
74) N-amyl acetate	12.07	43	107792	19.752	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	72283	19.614	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	89681	27.565	ug/l #	100
77) Bromobenzene	12.53	156	67144	19.082	ug/l	97
78) n-propylbenzene	12.59	91	334247	18.985	ug/l	100
79) 2-Chlorotoluene	12.67	91	197931	19.406	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	228597	19.122	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	16840	17.668	ug/l	90
82) 4-Chlorotoluene	12.77	91	200607	19.602	ug/l	99
83) tert-Butylbenzene	12.99	119	202532	19.405	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	236249	19.600	ug/l	98
85) sec-Butylbenzene	13.17	105	275974	19.282	ug/l	100
86) p-Isopropyltoluene	13.29	119	233981	19.541	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	117105	19.118	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	115187	18.784	ug/l	98
89) n-Butylbenzene	13.61	91	195665	18.351	ug/l	98
90) Hexachloroethane	13.87	117	36195	17.222	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	115740	19.361	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10333	19.723	ug/l	96

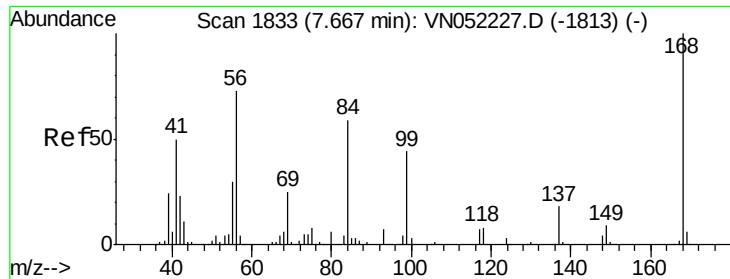
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
Data File : VN052239.D
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Quant Time: Nov 12 03:25:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:34:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47874	20.253	ug/l	100
94) Hexachlorobutadiene	15.01	225	25831	20.110	ug/l	97
95) Naphthalene	15.13	128	117353	20.143	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44657	19.981	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

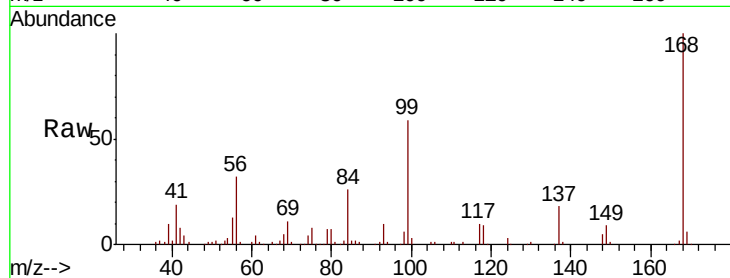
VN1109WBSD01

Tot Ion:168 Resp: 278833

Ion Ratio Lower Upper

168 100

99 58.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

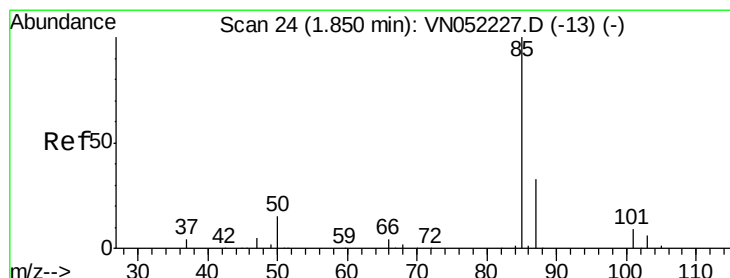
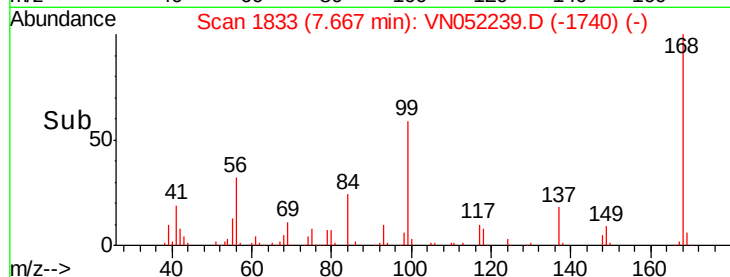
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.750 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052239.D

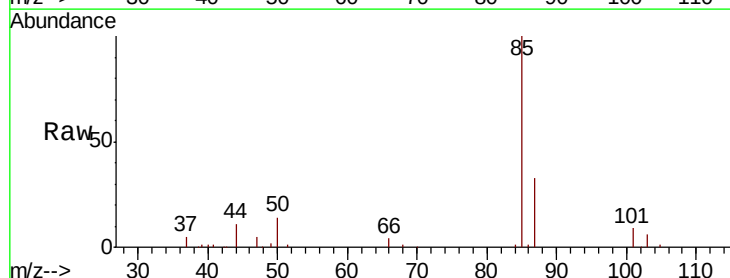
Acq: 9 Nov 2018 20:42

Tgt Ion: 85 Resp: 59868

Ion Ratio Lower Upper

85 100

87 33.1 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

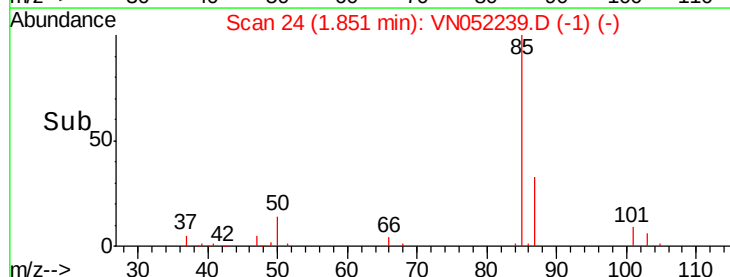
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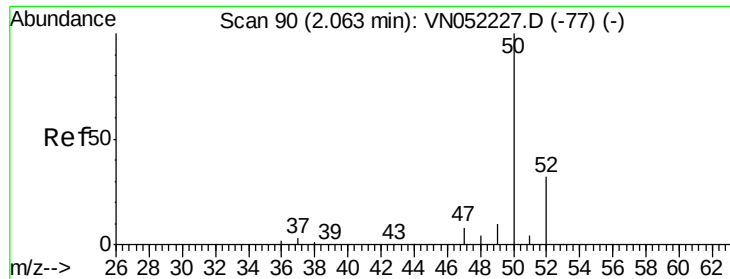
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.950 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

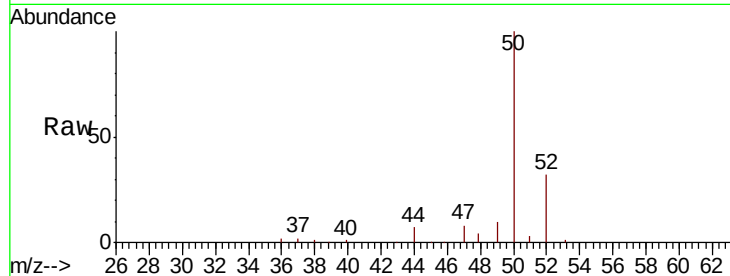
VN1109WBSD01

Tot Ion: 50 Resp: 84433

Ion Ratio Lower Upper

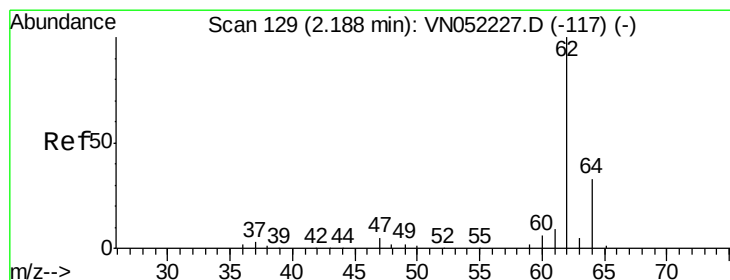
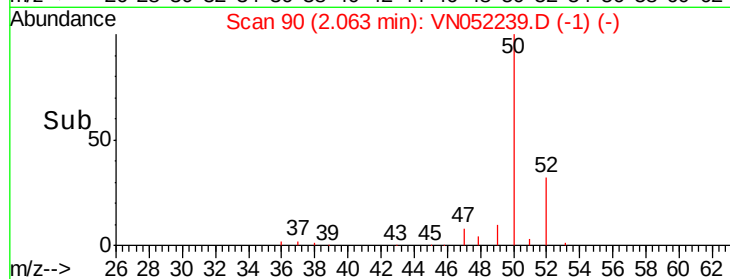
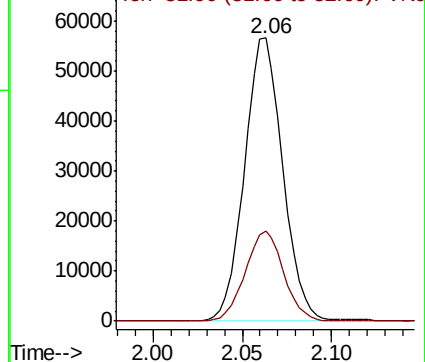
50 100

52 31.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.666 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052239.D

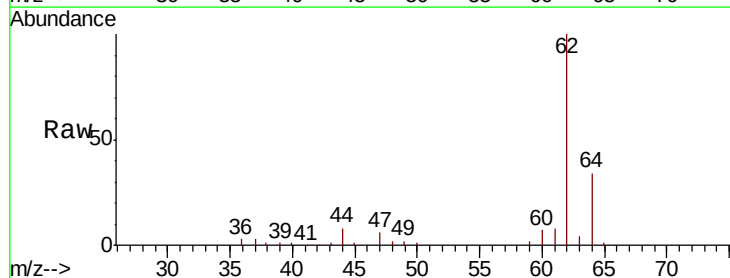
Acq: 9 Nov 2018 20:42

Tgt Ion: 62 Resp: 69346

Ion Ratio Lower Upper

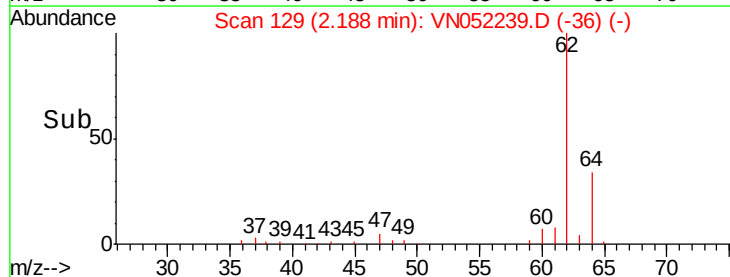
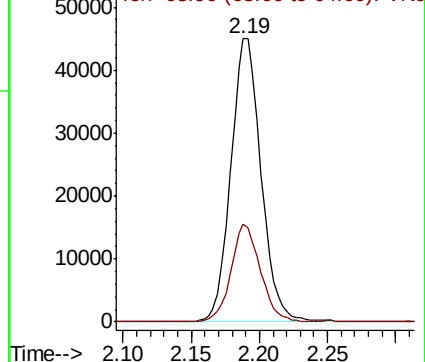
62 100

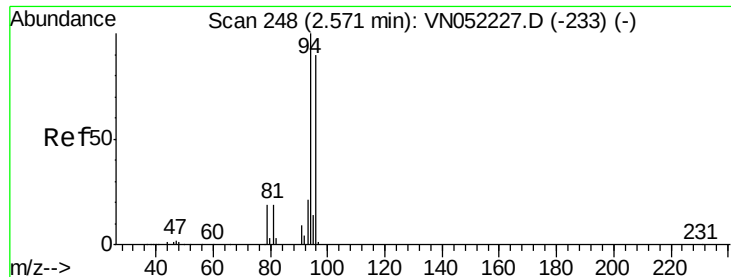
64 34.5 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 18.548 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

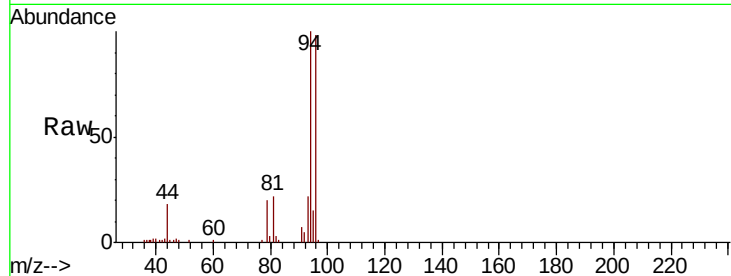
VN1109WBSD01

Tot Ion: 94 Resp: 41497

Ion Ratio Lower Upper

94 100

96 98.0 71.8 107.8

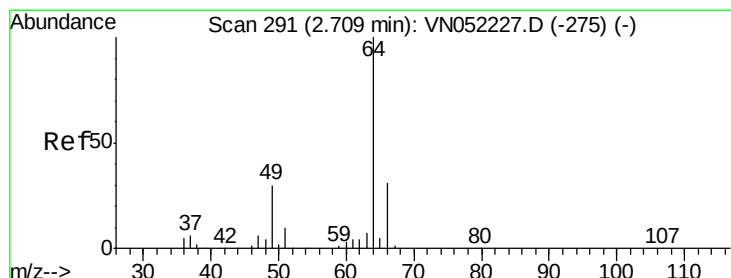
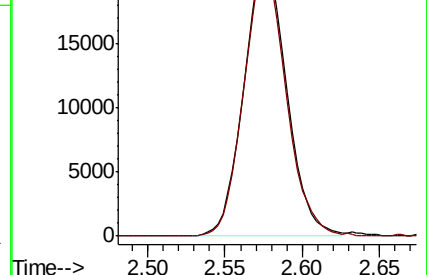
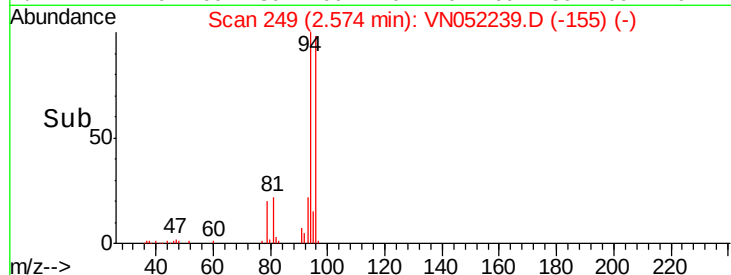


Abundance Ion 93.90 (93.60 to 94.60): VN052227.D (-233) (-)

Ion 95.90 (95.60 to 96.60): VN052227.D (-233) (-)

2.57

Time-->



#6

Chloroethane

Concen: 18.669 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052239.D

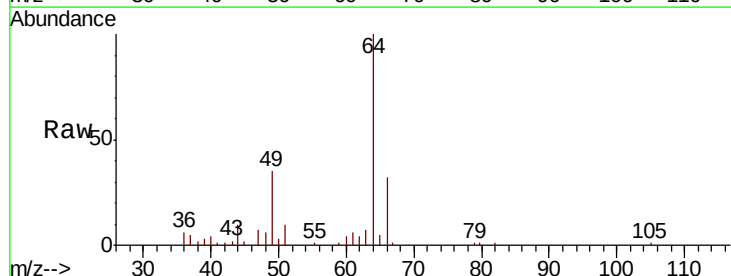
Acq: 9 Nov 2018 20:42

Tgt Ion: 64 Resp: 39092

Ion Ratio Lower Upper

64 100

66 31.8 24.6 36.8

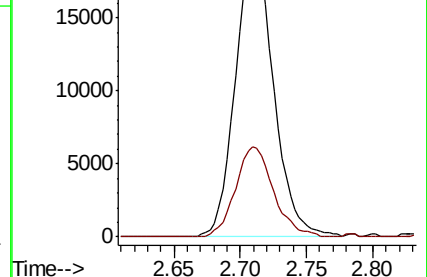
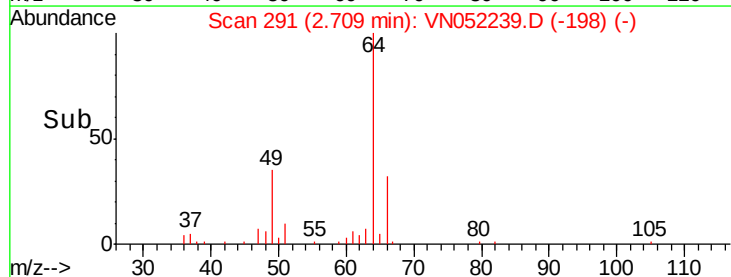


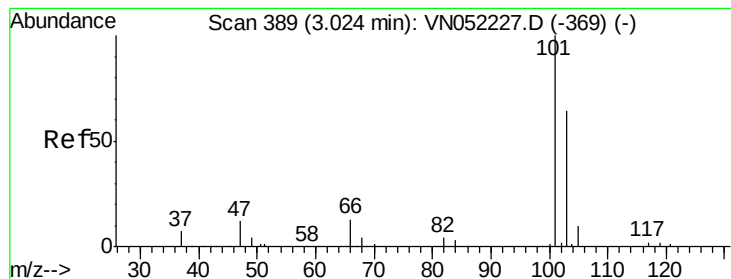
Abundance Ion 63.90 (63.60 to 64.60): VN052227.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN052227.D (-275) (-)

2.71

Time-->



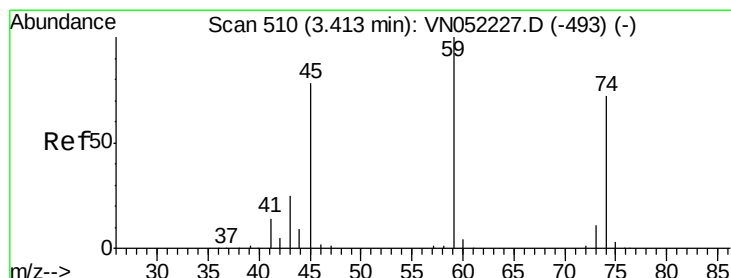
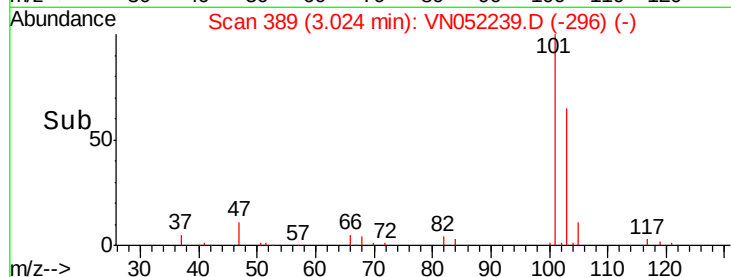
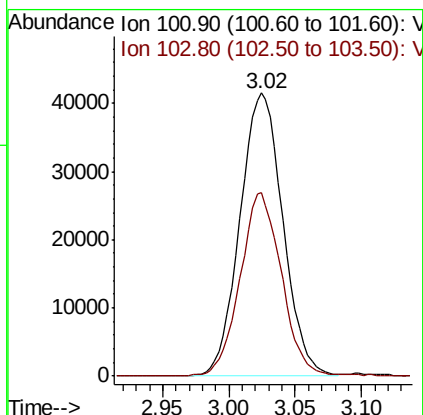
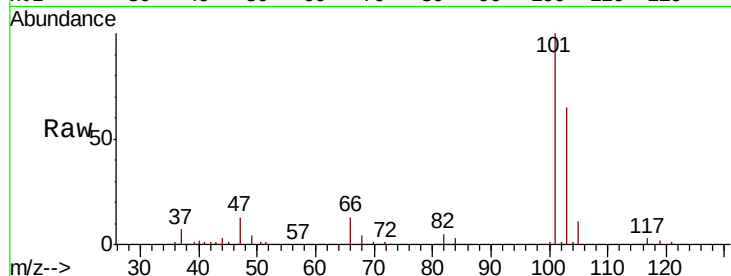


#7

Trichlorofluoromethane
Concen: 19.064 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

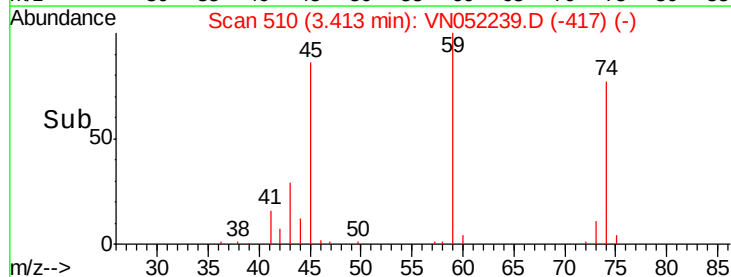
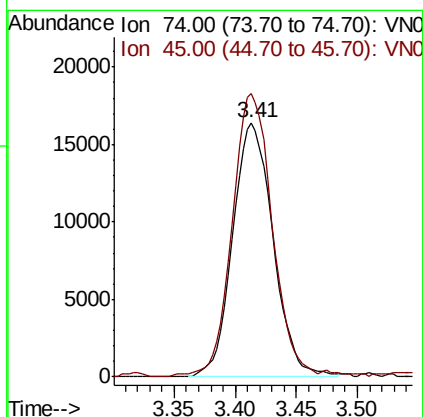
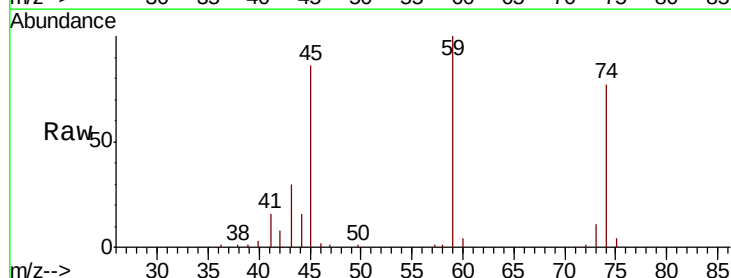
Tot Ion:101 Resp: 93579
Ion Ratio Lower Upper
101 100
103 64.7 51.2 76.8

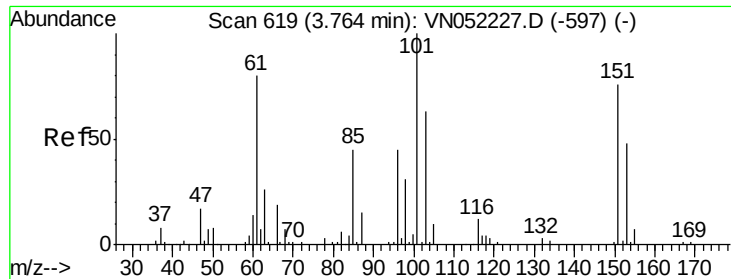


#8

Diethyl Ether
Concen: 19.497 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion: 74 Resp: 37650
Ion Ratio Lower Upper
74 100
45 110.4 55.5 166.7

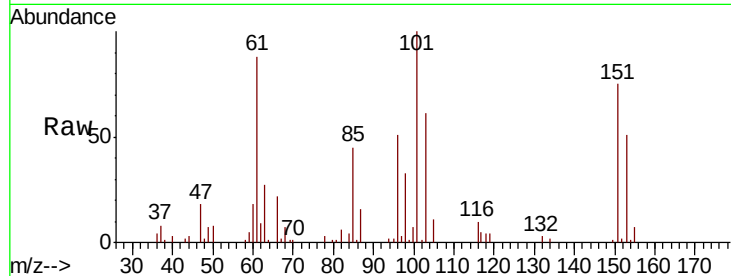




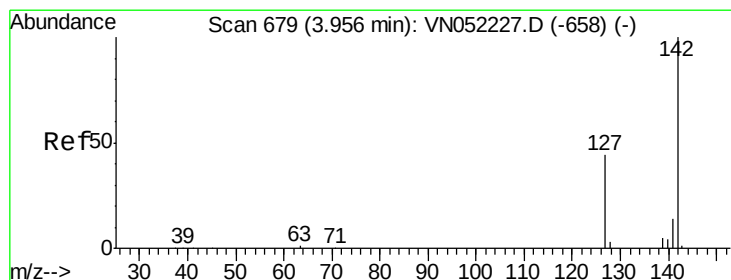
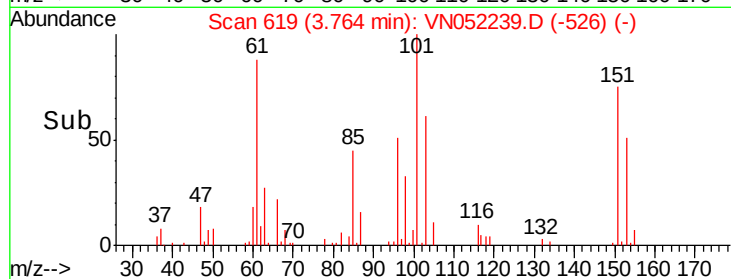
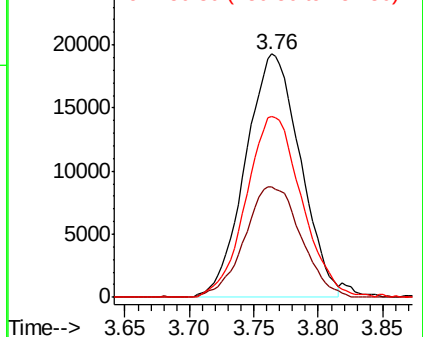
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.079 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN1109WBSD01

Tot Ion:101 Resp: 56934
 Ion Ratio Lower Upper
 101 100
 85 46.9 36.2 54.4
 151 75.8 59.2 88.8

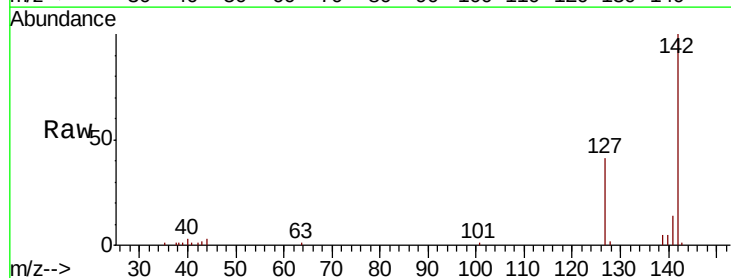


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

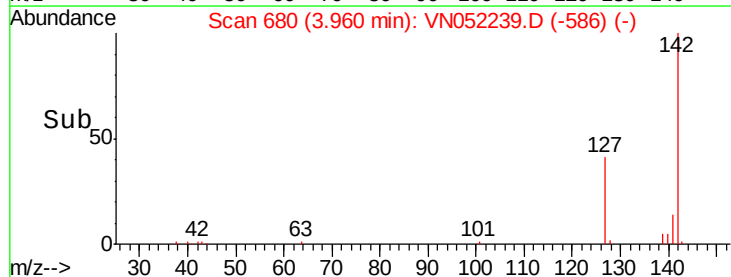
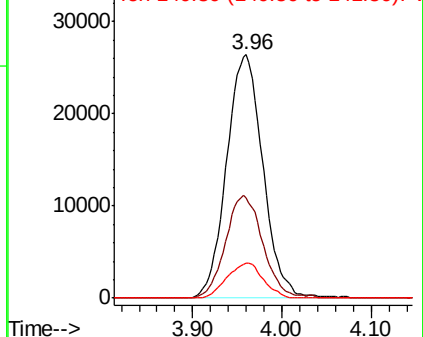


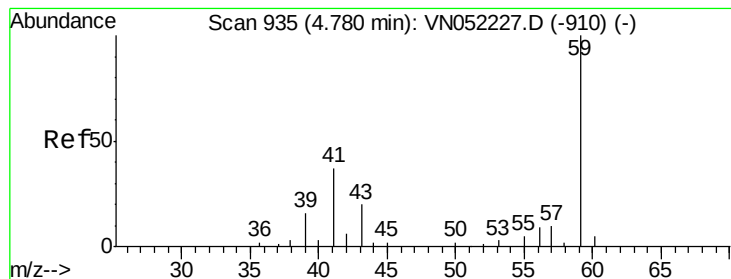
#10
 Methyl Iodide
 Concen: 18.284 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion:142 Resp: 74711
 Ion Ratio Lower Upper
 142 100
 127 43.1 35.3 52.9
 141 14.3 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



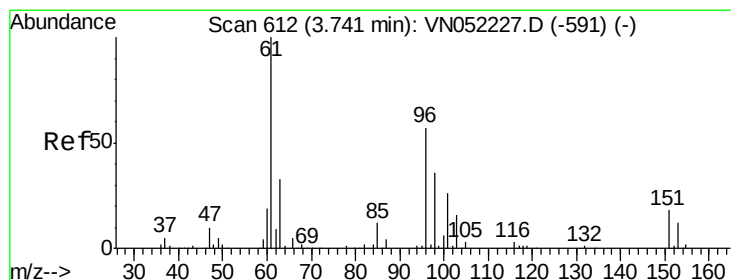
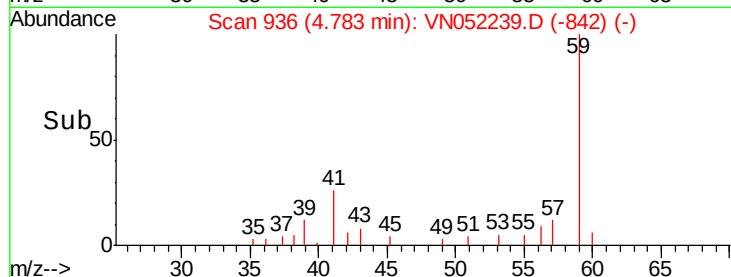
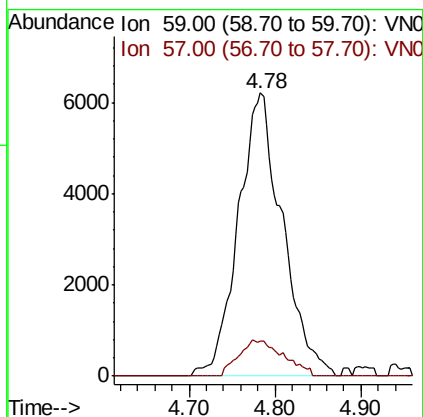
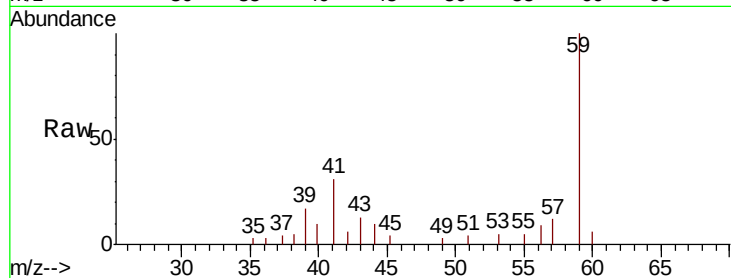


#11

Tert butyl alcohol
 Concen: 113.005 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN1109WBSD01

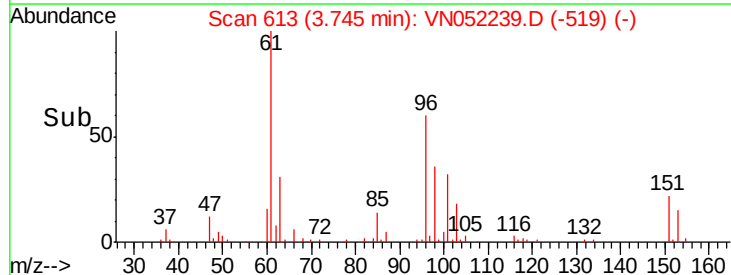
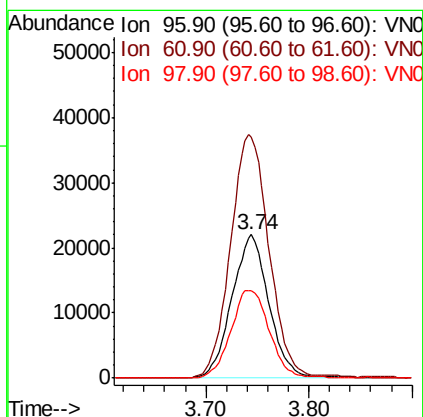
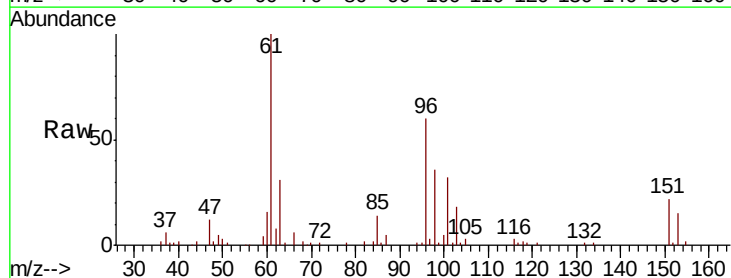
Tot Ion: 59 Resp: 22089
 Ion Ratio Lower Upper
 59 100
 57 12.9 8.8 13.2

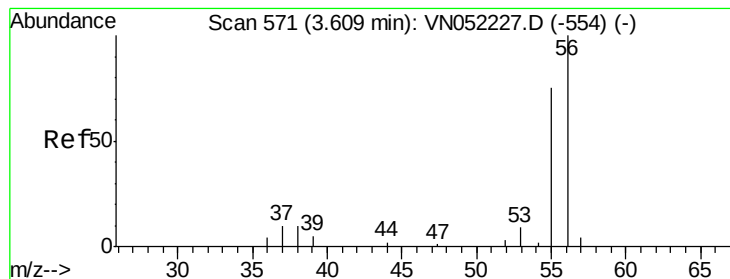


#12

1,1-Dichloroethene
 Concen: 18.815 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion: 96 Resp: 54848
 Ion Ratio Lower Upper
 96 100
 61 167.9 141.1 211.7
 98 61.0 50.3 75.5





#13

Acrolein

Concen: 122.868 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

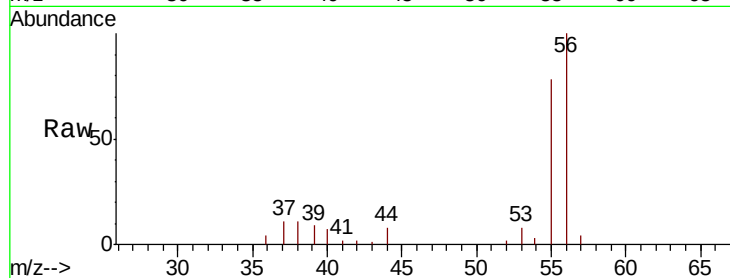
VN1109WBSD01

Tot Ion: 56 Resp: 31180

Ion Ratio Lower Upper

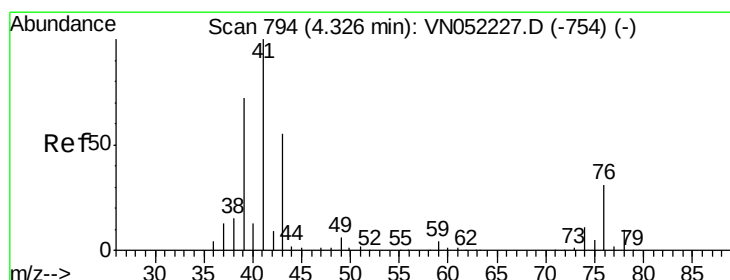
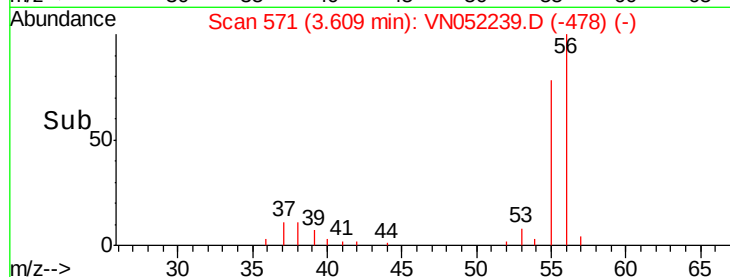
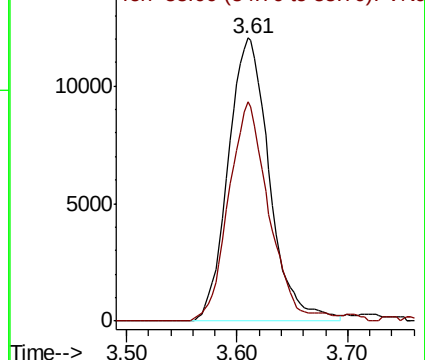
56 100

55 75.9 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: 17.862 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

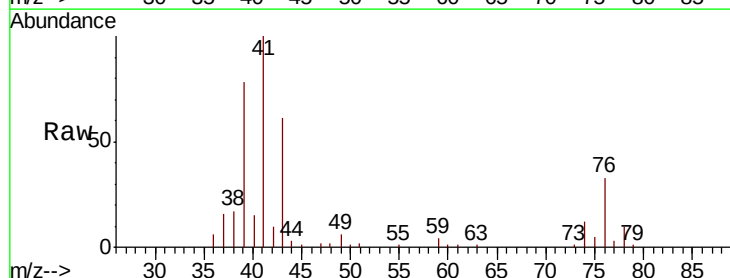
Tgt Ion: 41 Resp: 109013

Ion Ratio Lower Upper

41 100

39 70.3 55.1 82.7

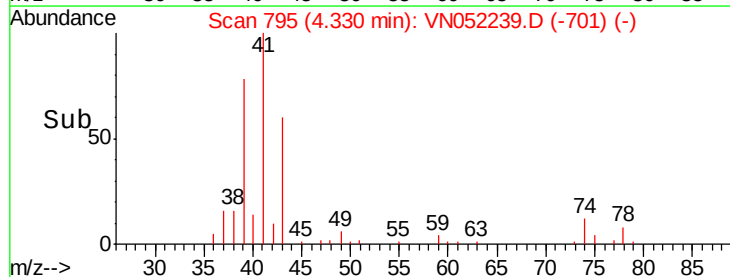
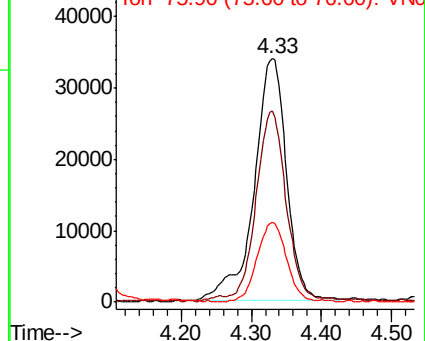
76 29.9 23.6 35.4

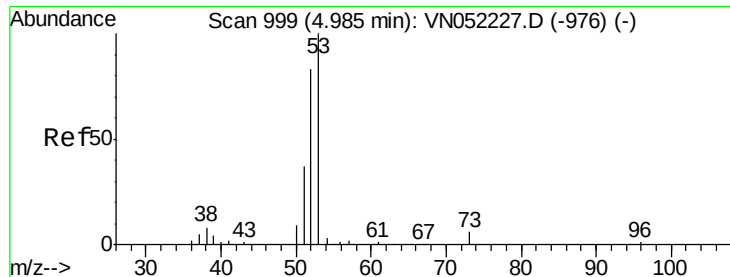


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.552 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

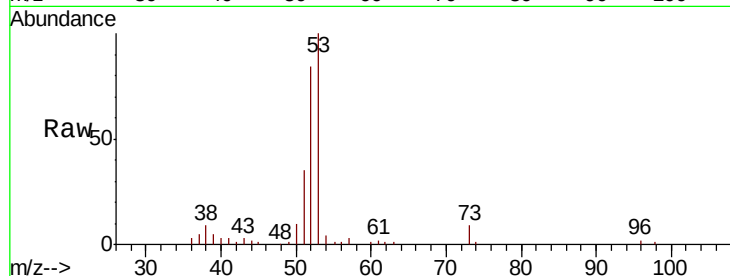
Tot Ion: 53 Resp: 123204

Ion Ratio Lower Upper

53 100

52 83.1 66.7 100.1

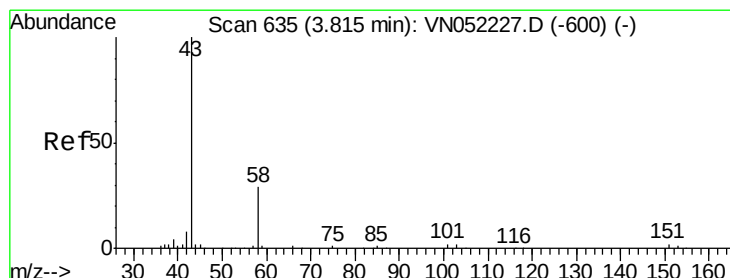
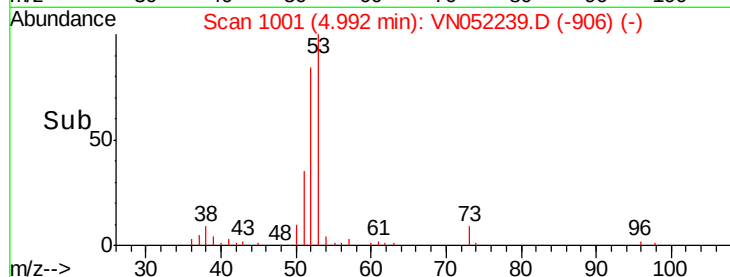
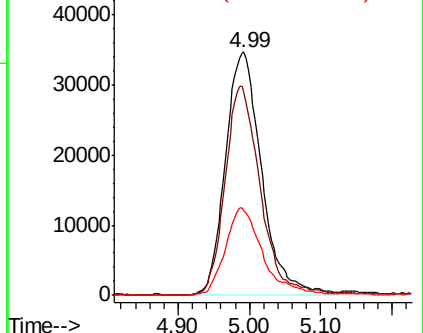
51 37.0 29.4 44.0



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: 93.446 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052239.D

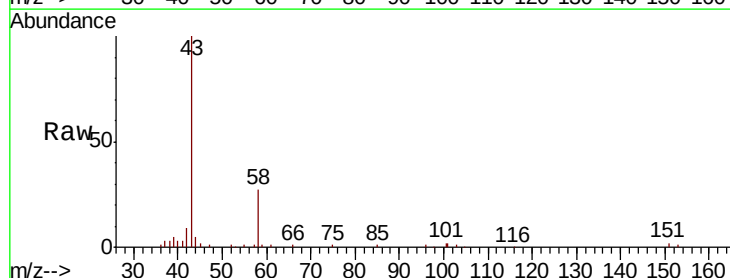
Acq: 9 Nov 2018 20:42

Tgt Ion: 43 Resp: 96451

Ion Ratio Lower Upper

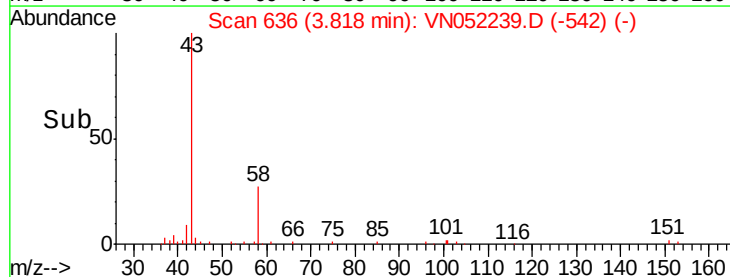
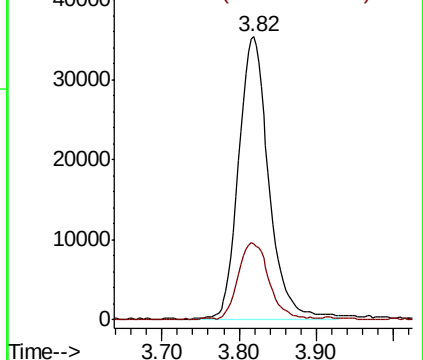
43 100

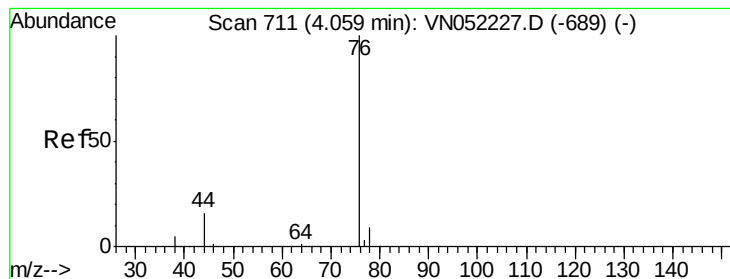
58 26.8 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.665 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

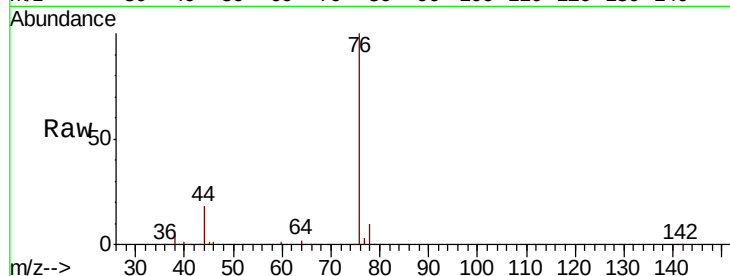
VN1109WBSD01

Tot Ion: 76 Resp: 149381

Ion Ratio Lower Upper

76 100

78 9.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN052227.D (-689) (-)

Ion 77.90 (77.60 to 78.60): VN052227.D (-689) (-)

4.06

60000

50000

40000

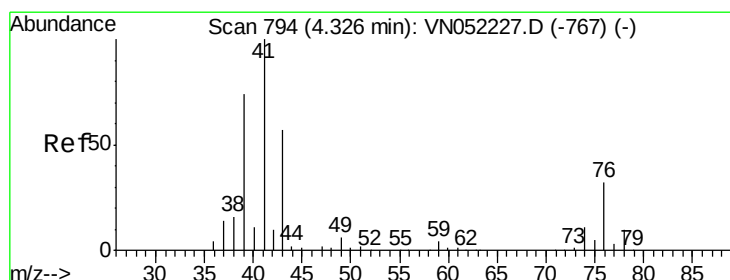
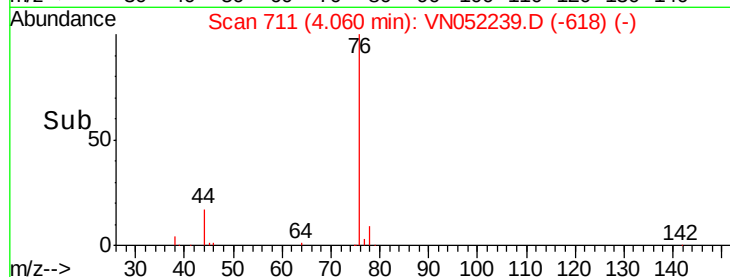
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 18.781 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052239.D

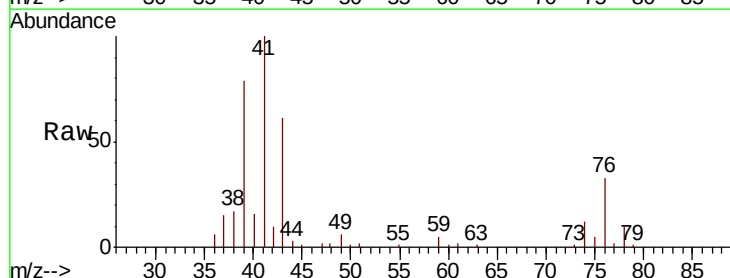
Acq: 9 Nov 2018 20:42

Tgt Ion: 43 Resp: 59843

Ion Ratio Lower Upper

43 100

74 20.5 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-767) (-)

Ion 74.00 (73.70 to 74.70): VN052227.D (-767) (-)

4.33

20000

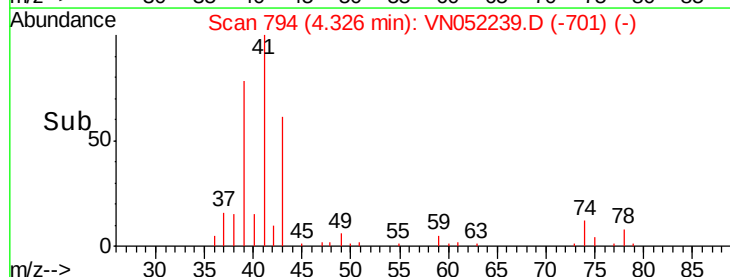
15000

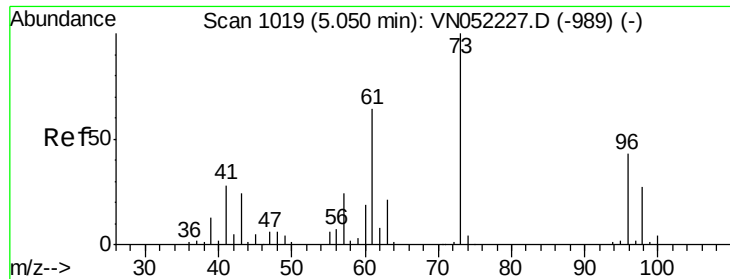
10000

5000

0

Time-->



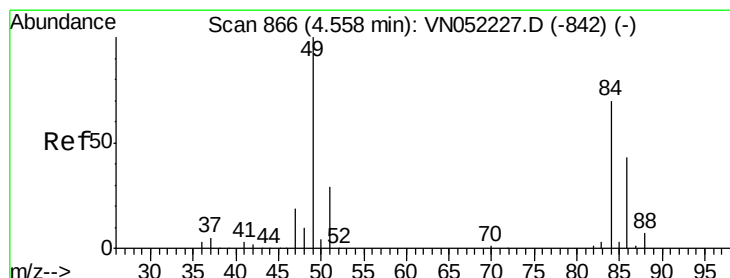
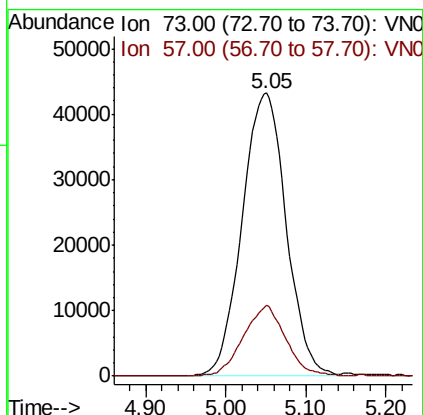
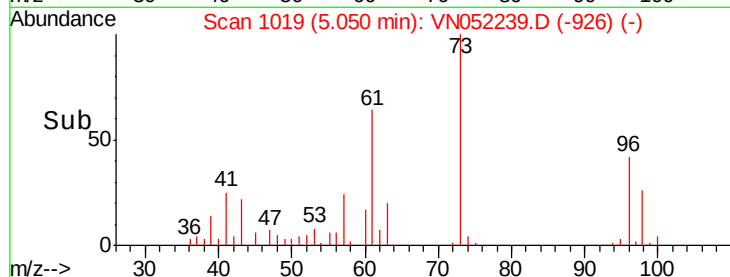
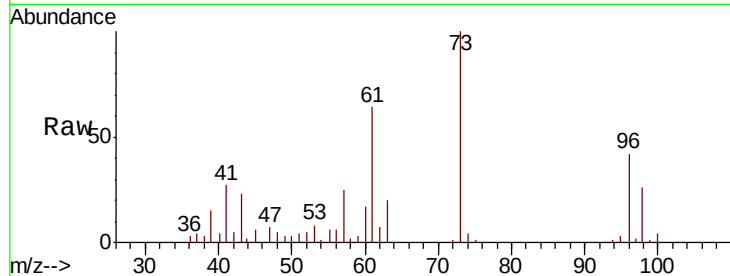


#19

Methyl tert-butyl Ether
 Concen: 19.498 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

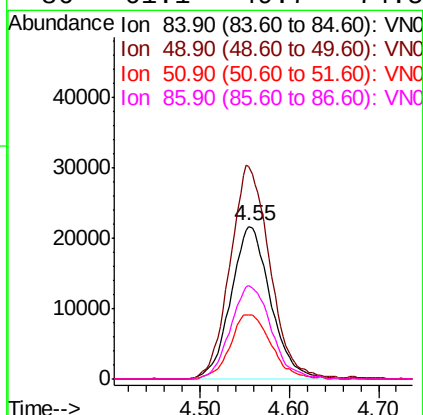
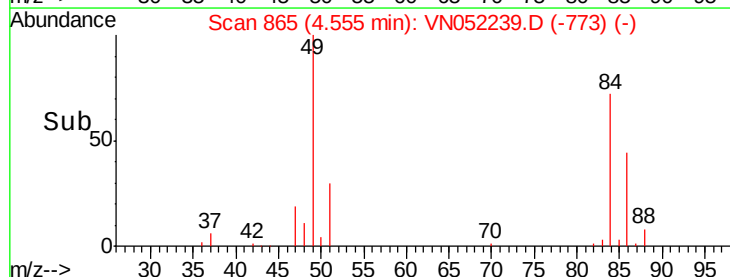
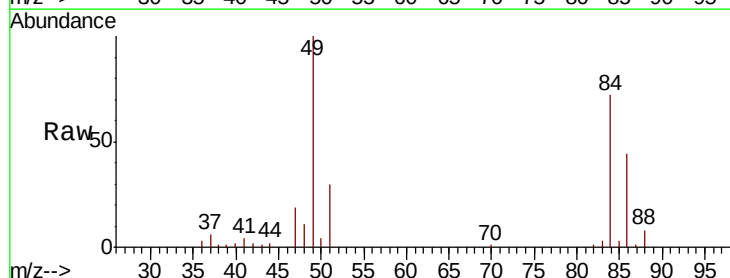
Tot Ion: 73 Resp: 162385
 Ion Ratio Lower Upper
 73 100
 57 25.0 19.1 28.7

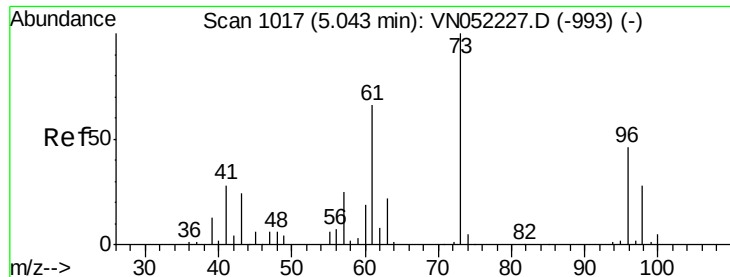


#20

Methylene Chloride
 Concen: 19.162 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion: 84 Resp: 66612
 Ion Ratio Lower Upper
 84 100
 49 139.8 114.8 172.2
 51 42.2 33.1 49.7
 86 61.1 49.7 74.5

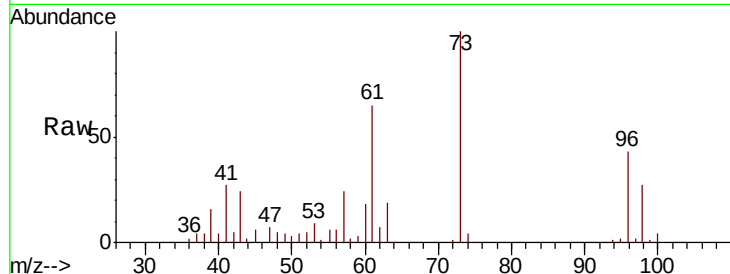




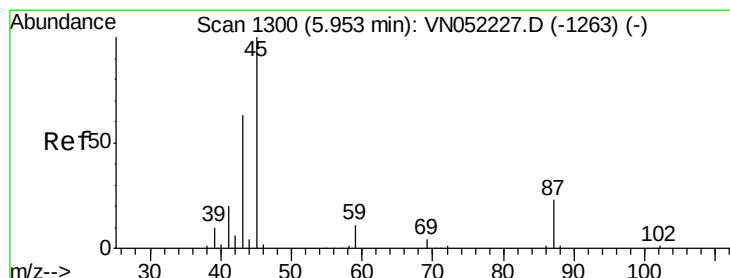
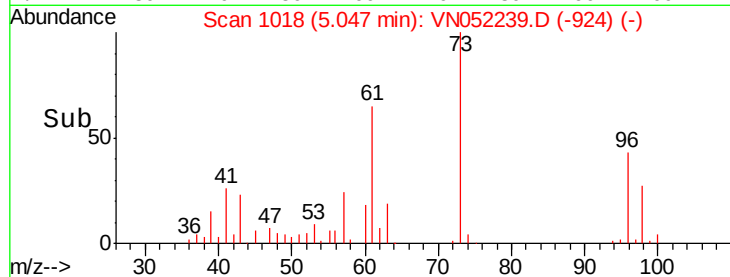
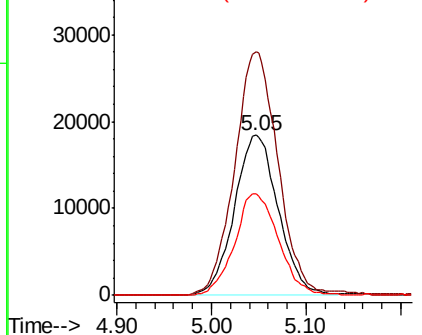
#21
trans-1,2-Dichloroethene
Concen: 18.774 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion: 96 Resp: 59479
Ion Ratio Lower Upper
96 100
61 152.1 115.3 172.9
98 63.5 49.5 74.3

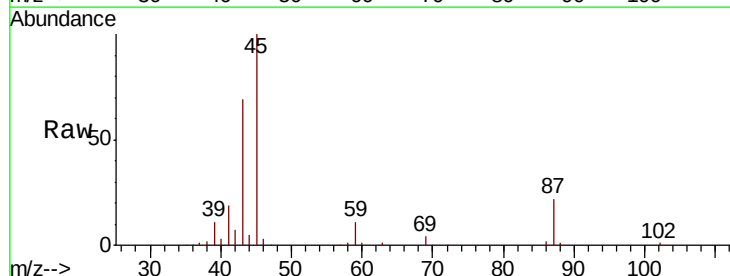


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

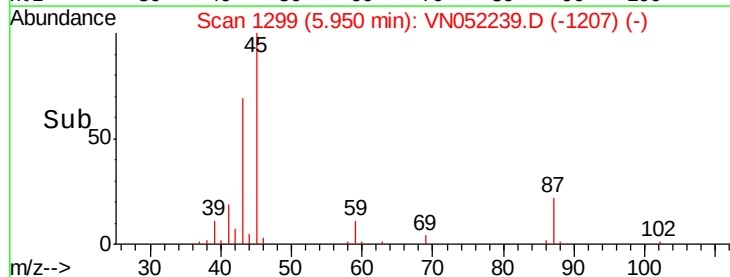
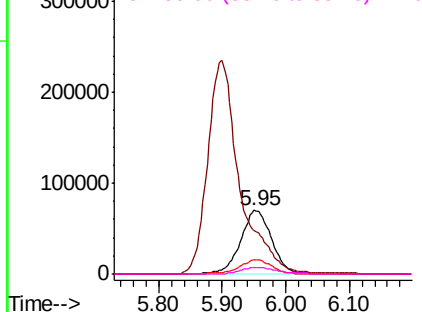


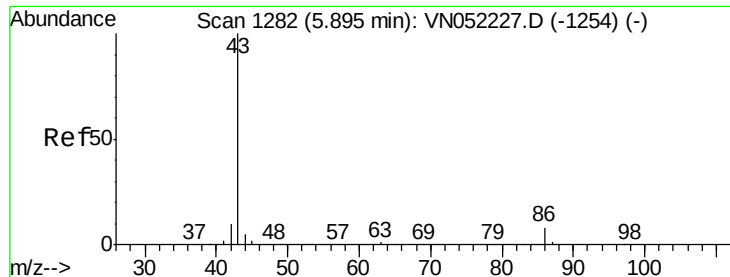
#22
Diisopropyl ether
Concen: 19.406 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion: 45 Resp: 237422
Ion Ratio Lower Upper
45 100
43 67.8 50.6 76.0
87 22.1 19.0 28.4
59 10.4 8.6 13.0



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

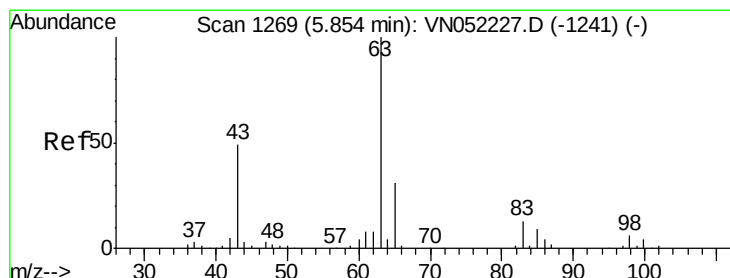
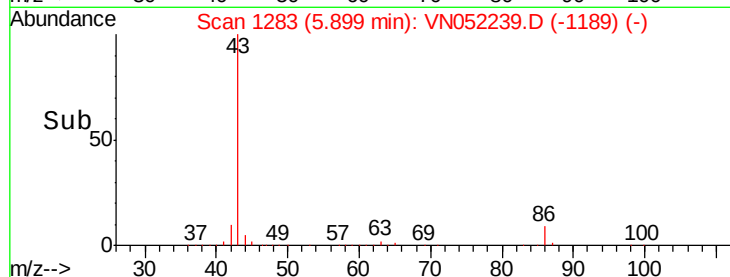
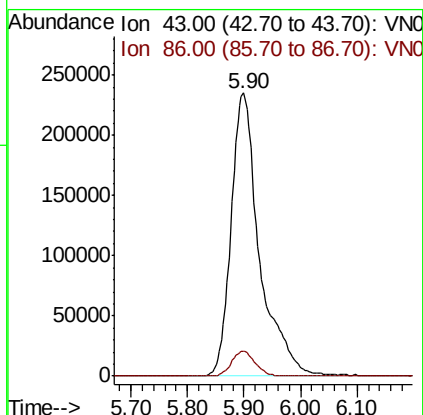
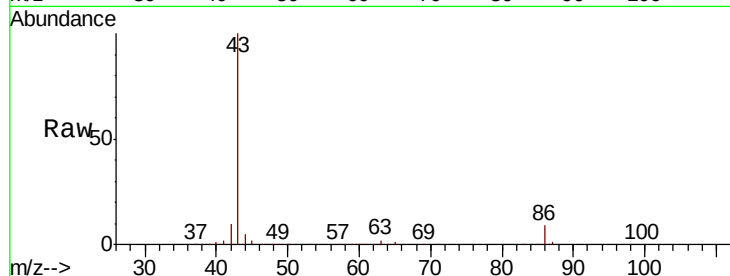




#23
 Vinyl Acetate
 Concen: 97.891 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

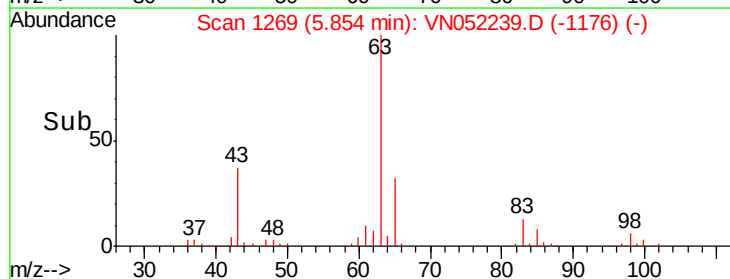
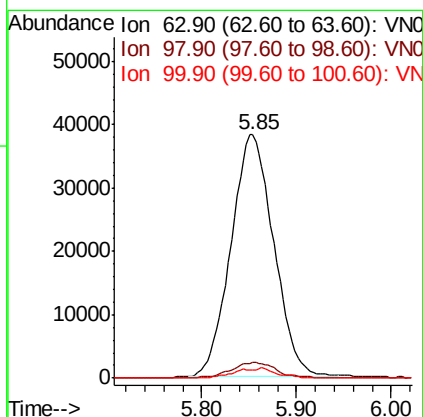
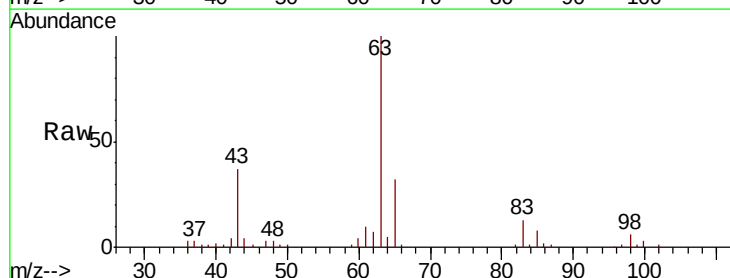
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1109WBSD01

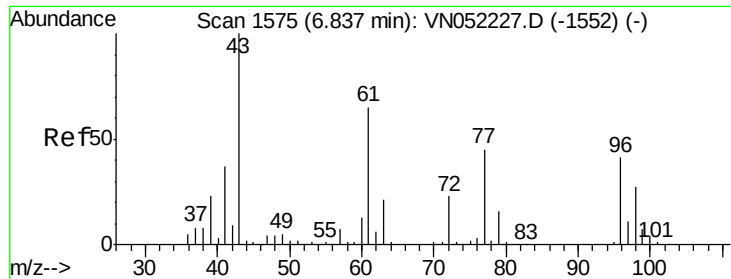
Tot Ion: 43 Resp: 821794
 Ion Ratio Lower Upper
 43 100
 86 8.7 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 18.571 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion: 63 Resp: 120009
 Ion Ratio Lower Upper
 63 100
 98 6.5 2.9 8.6
 100 3.3 2.1 6.2

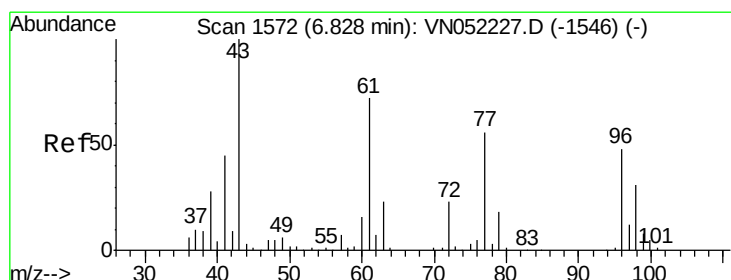
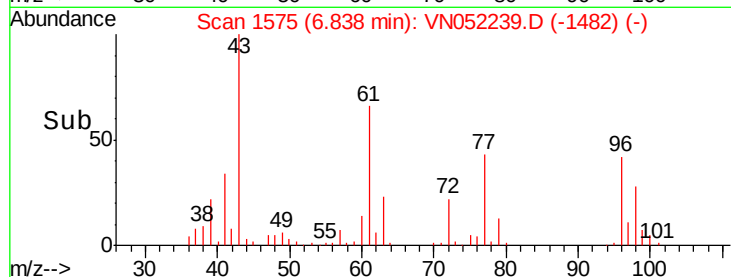
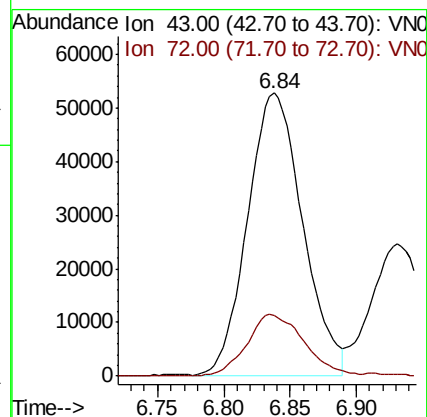
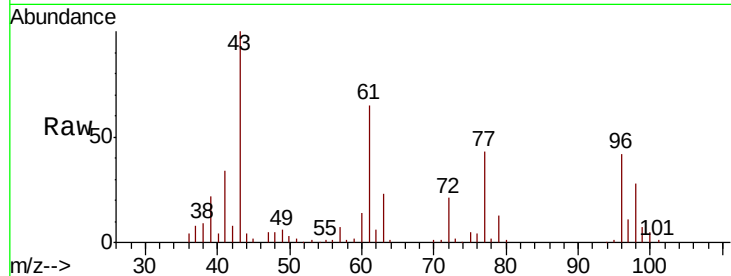




#25
2-Butanone
Concen: 93.436 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

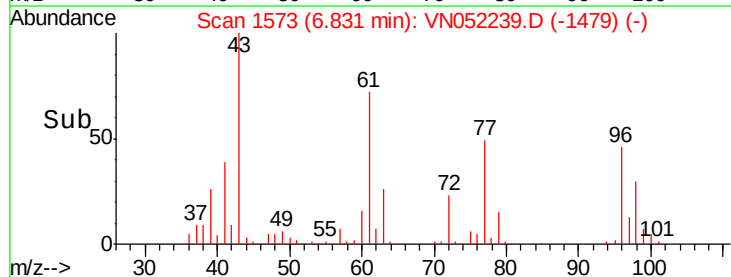
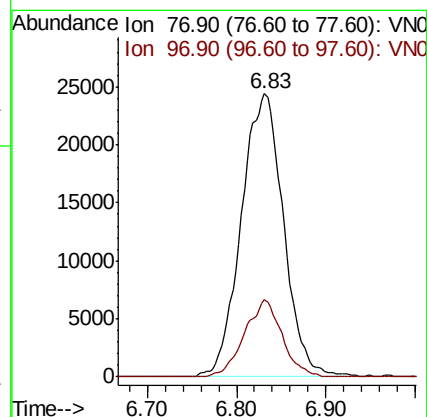
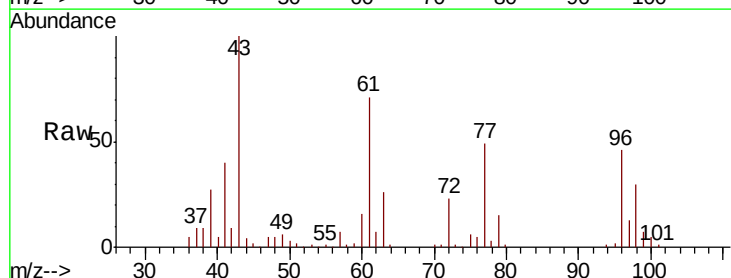
Instrument :
MSVOA_N
ClientSampled :
VN1109WBSD01

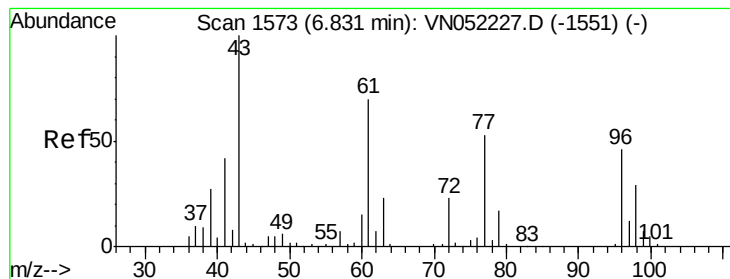
Tot Ion: 43 Resp: 151995
Ion Ratio Lower Upper
43 100
72 21.5 18.6 27.8



#26
2,2-Dichloropropane
Concen: 16.990 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion: 77 Resp: 80186
Ion Ratio Lower Upper
77 100
97 24.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.476 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

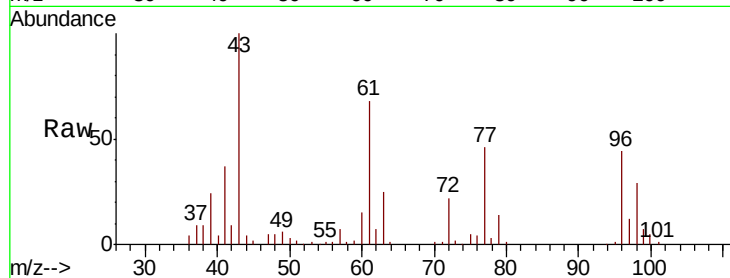
Tot Ion: 96 Resp: 69069

Ion Ratio Lower Upper

96 100

61 155.4 0.0 313.4

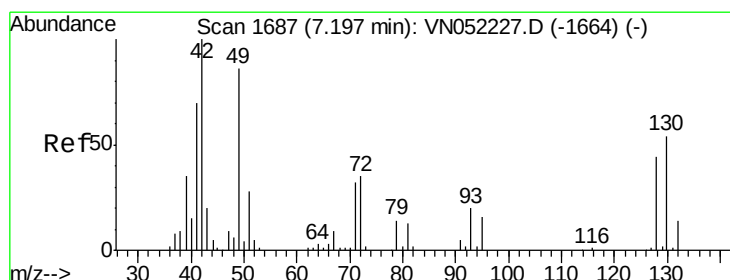
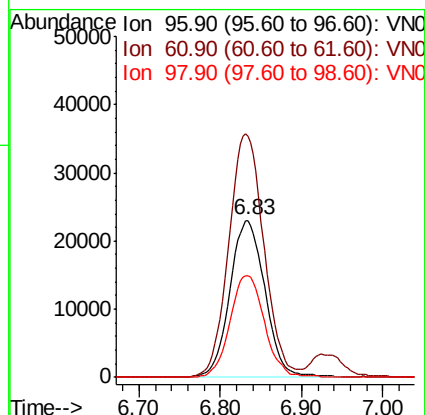
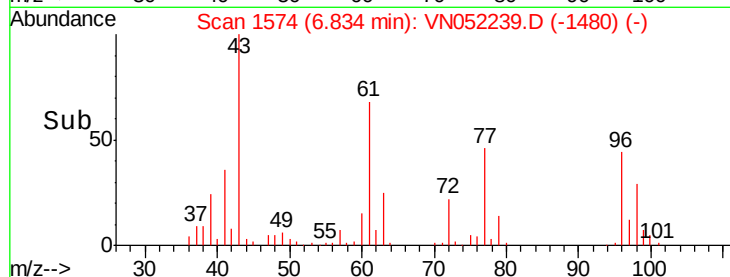
98 63.9 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN052239.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN052239.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN052239.D (-1480) (-)



#28

Bromochloromethane

Concen: 19.354 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

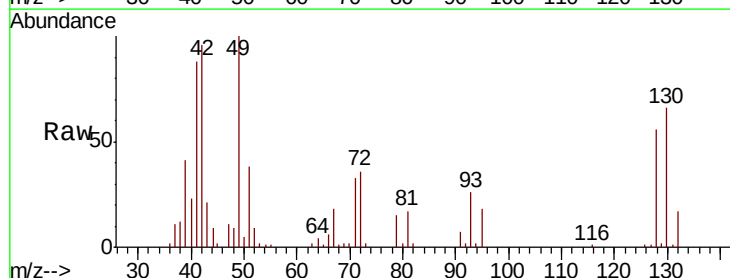
Tgt Ion: 49 Resp: 61799

Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.8

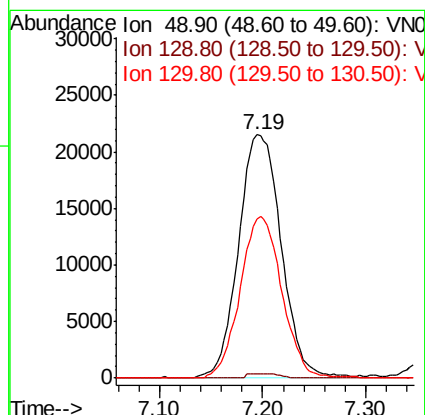
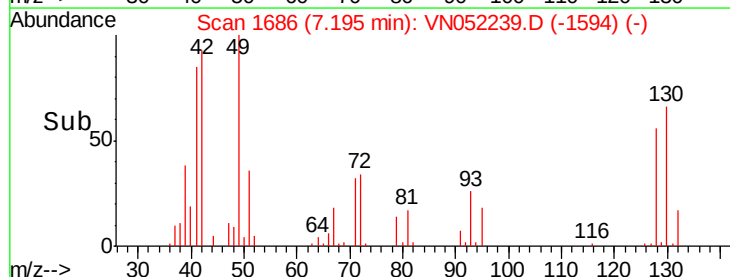
130 64.9 51.4 77.2

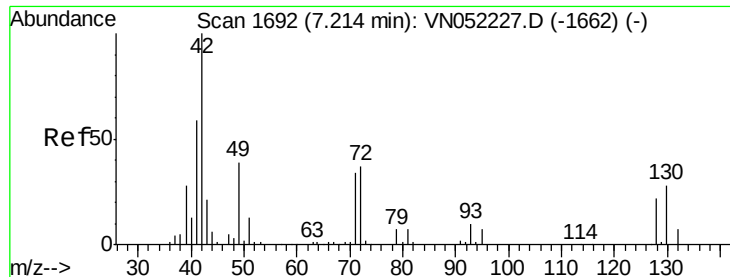


Abundance Ion 48.90 (48.60 to 49.60): VN052239.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN052239.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN052239.D (-1594) (-)





#29

Tetrahydrofuran

Concen: 96.428 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

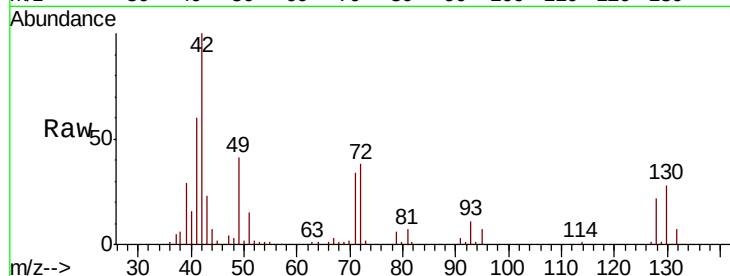
Tot Ion: 42 Resp: 102087

Ion Ratio Lower Upper

42 100

72 37.1 28.6 43.0

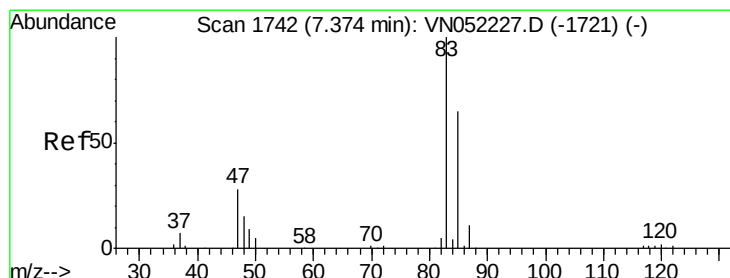
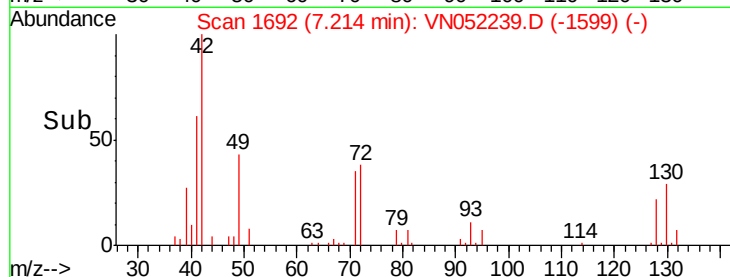
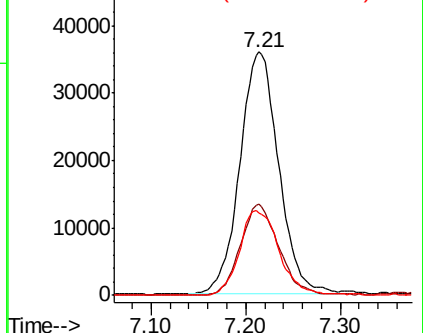
71 35.5 27.1 40.7



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: 18.725 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052239.D

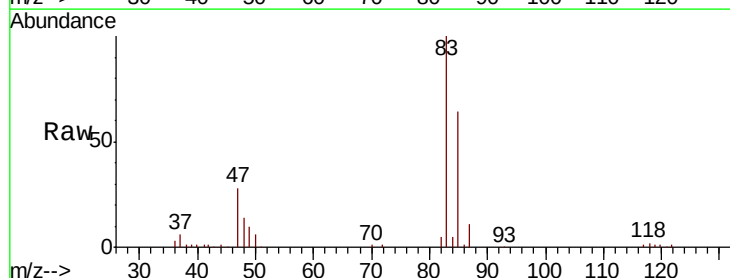
Acq: 9 Nov 2018 20:42

Tgt Ion: 83 Resp: 114517

Ion Ratio Lower Upper

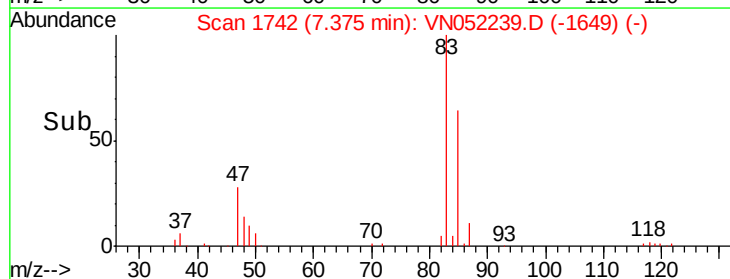
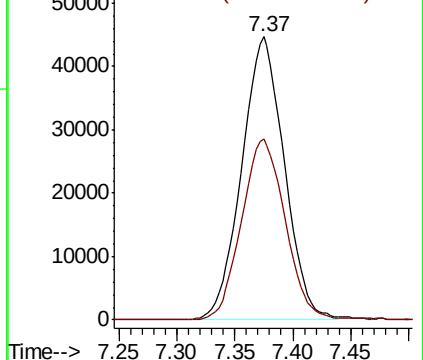
83 100

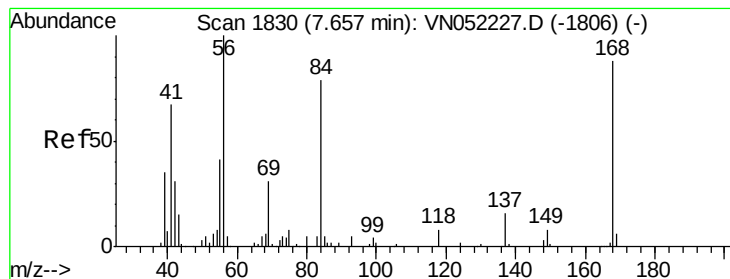
85 63.7 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.505 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

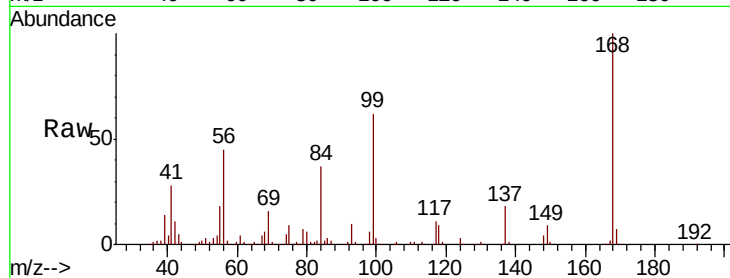
Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion: 56 Resp: 119036

Ion	Ratio	Lower	Upper
56	100		
69	35.8	24.8	37.2
84	81.5	63.1	94.7

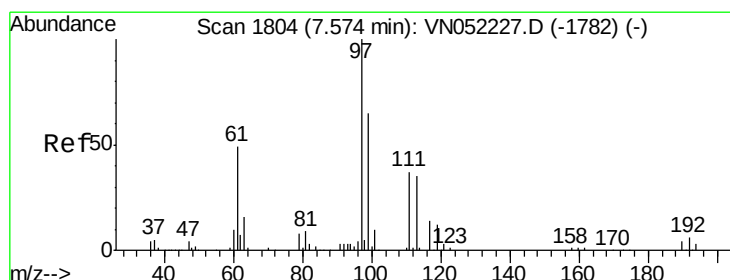
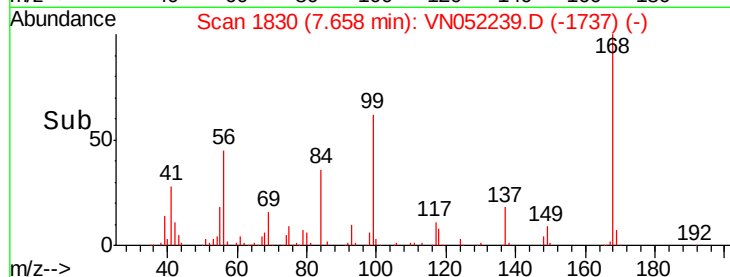
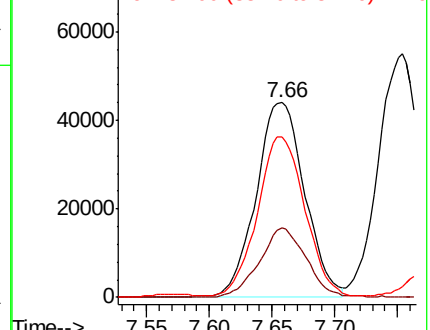


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.011 ug/l

RT: 7.57 min Scan# 1803

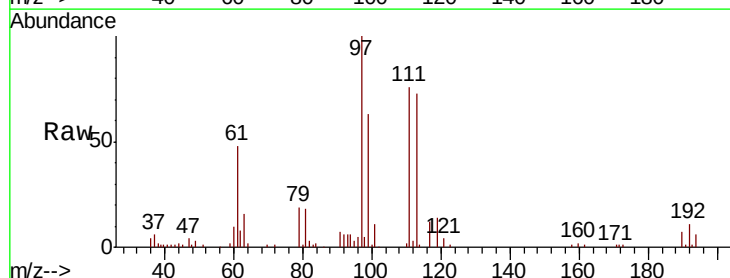
Delta R.T. -0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Tgt Ion: 97 Resp: 94764

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.9	77.9
61	51.2	40.2	60.4

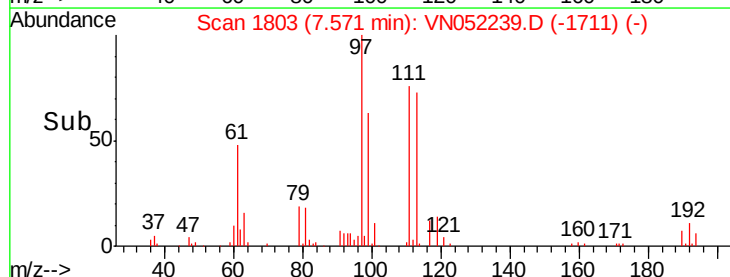
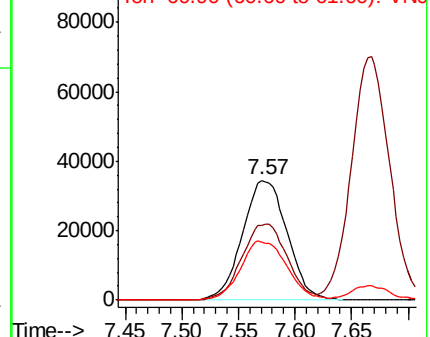


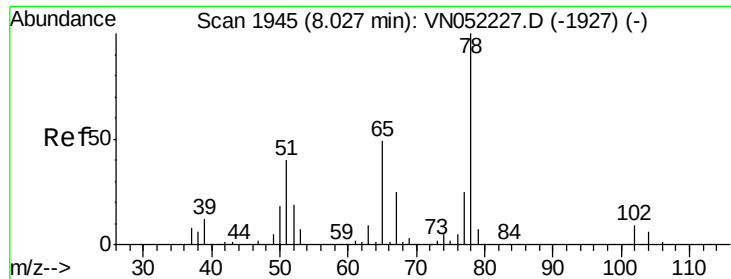
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

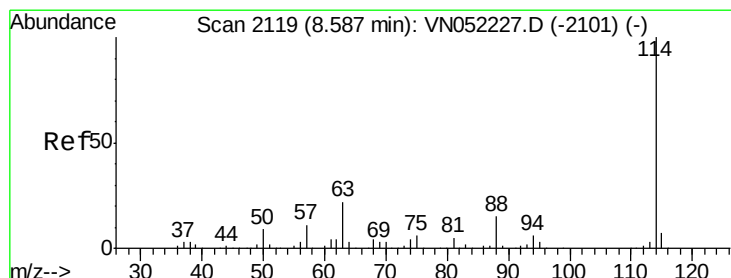
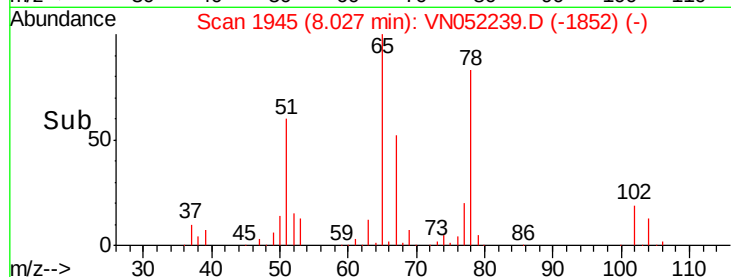
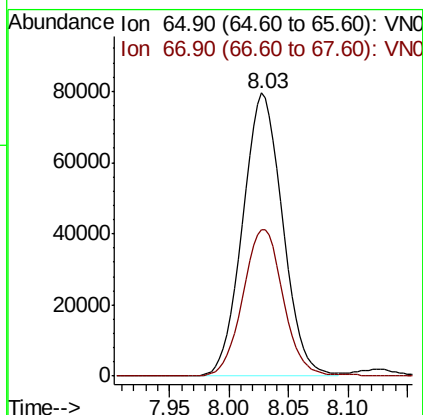
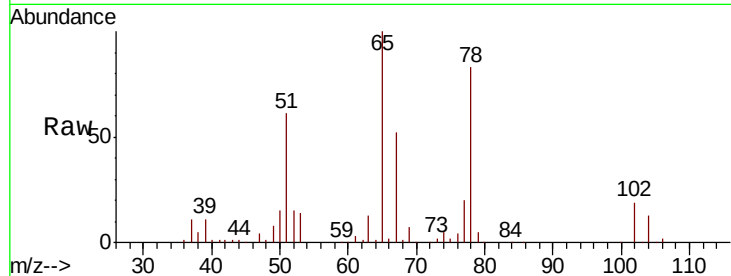




#33
 1,2-Dichloroethane-d4
 Concen: 19.011 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

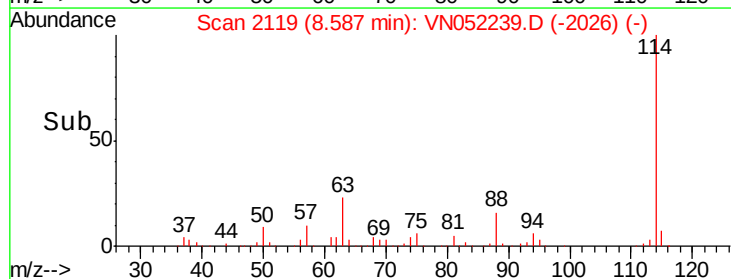
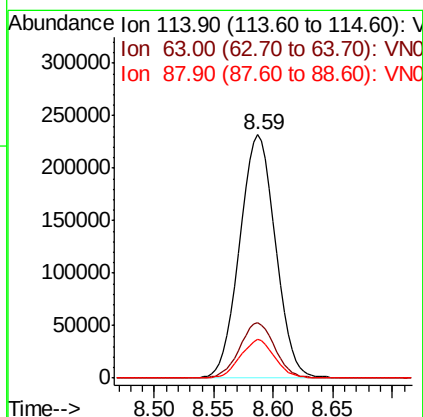
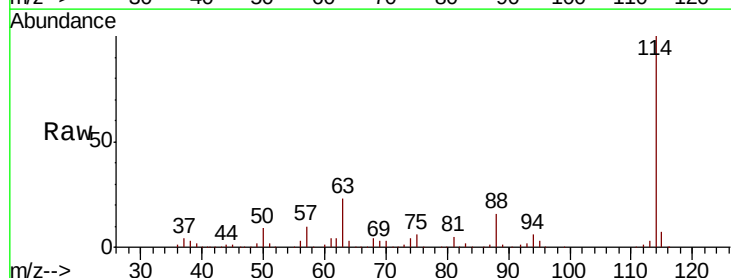
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

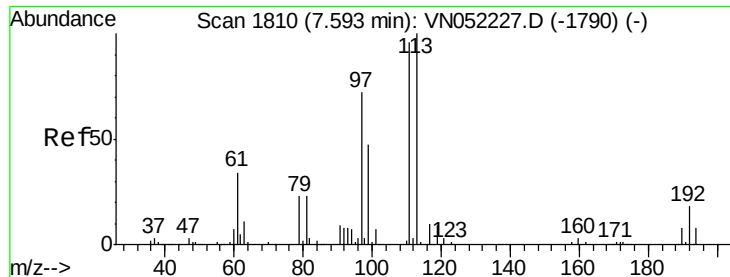
Tot Ion: 65 Resp: 184930
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion: 114 Resp: 484799
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.4
 88 15.9 0.0 30.2

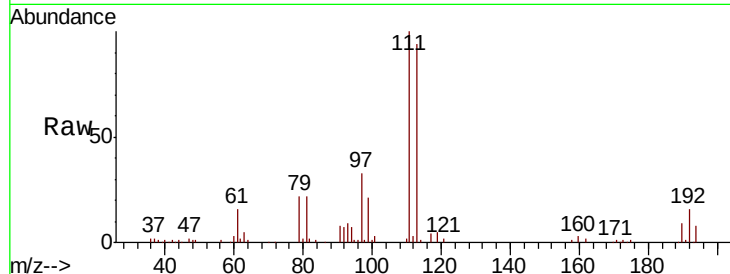




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.2	120.4
192	17.2	14.1	21.1

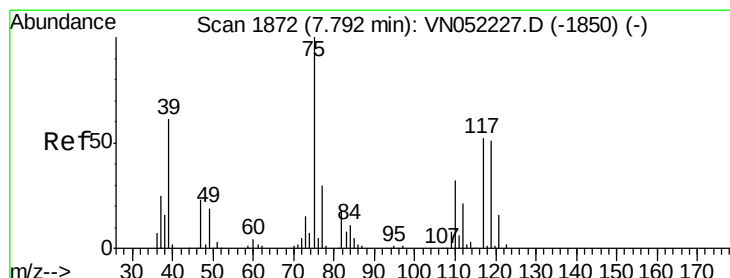
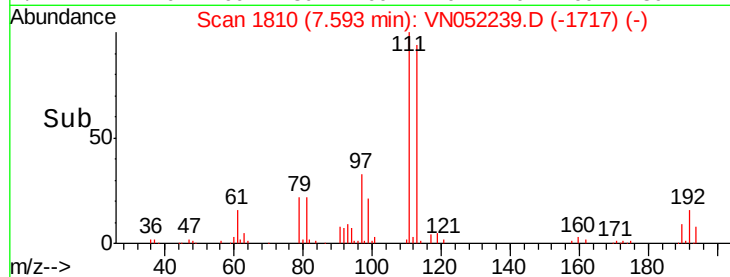
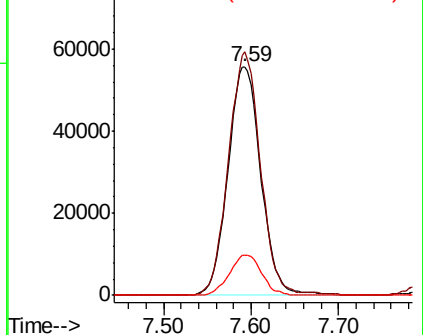


Abundance

Ion 112.80 (112.50 to 113.50): V

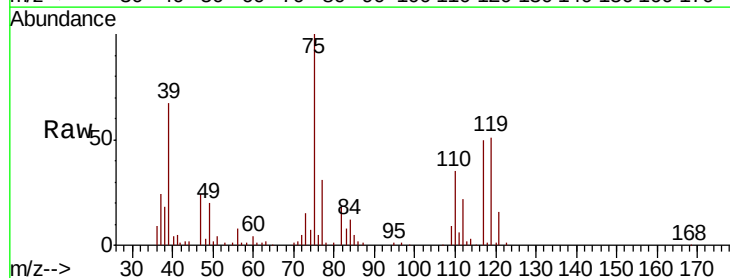
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.285 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.4	49.4
77	31.3	23.9	35.9

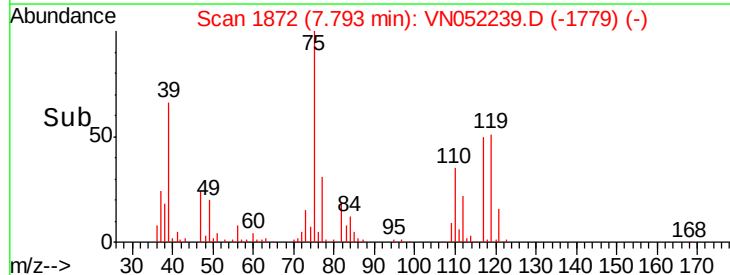
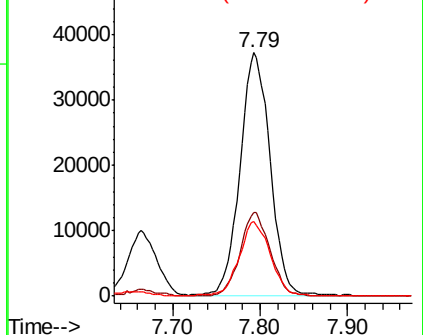


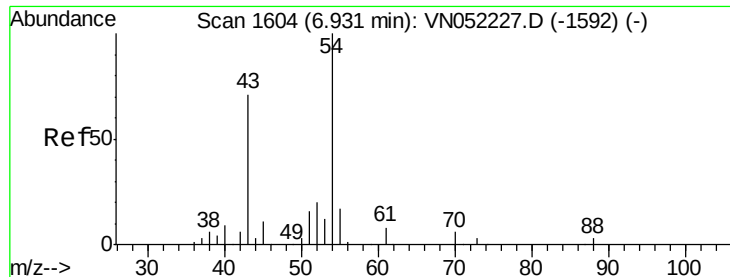
Abundance

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

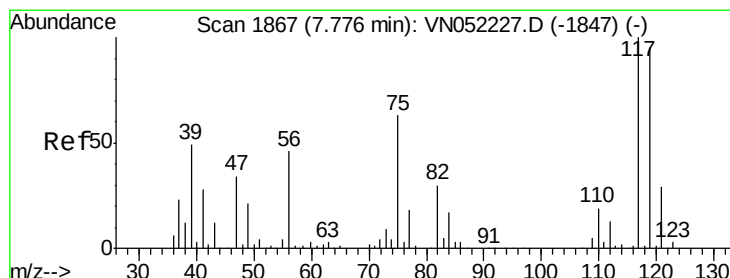
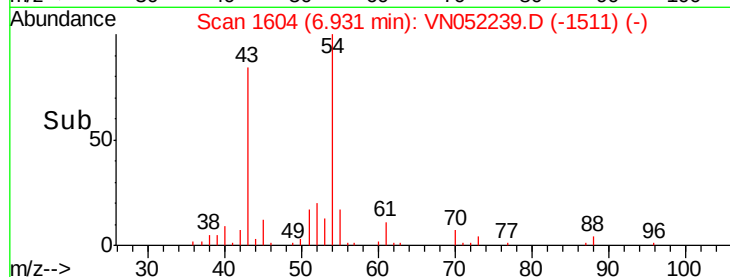
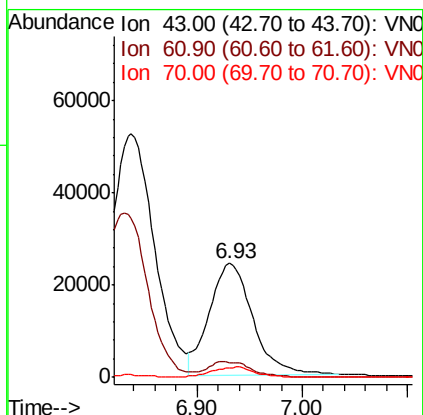
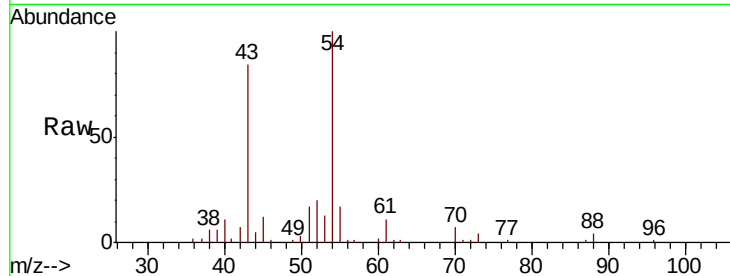




#37
Ethyl Acetate
Concen: 18.968 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

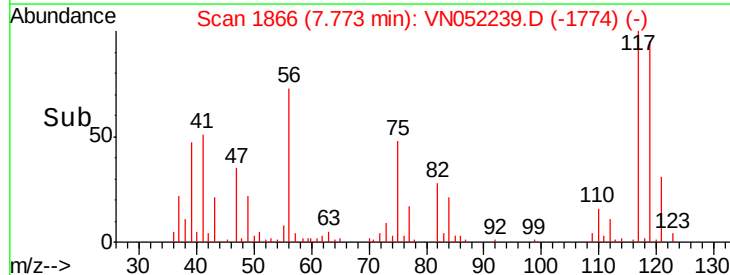
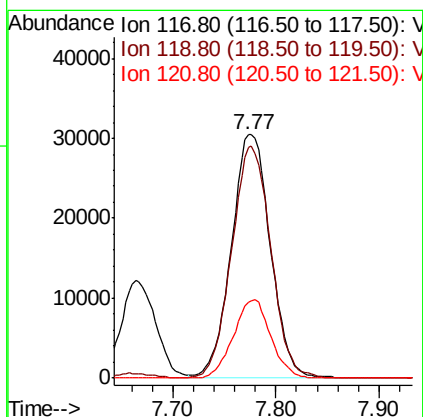
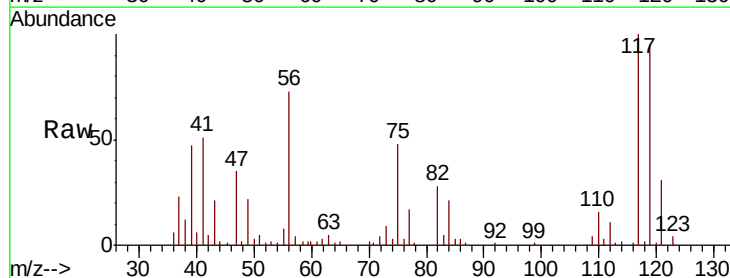
Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

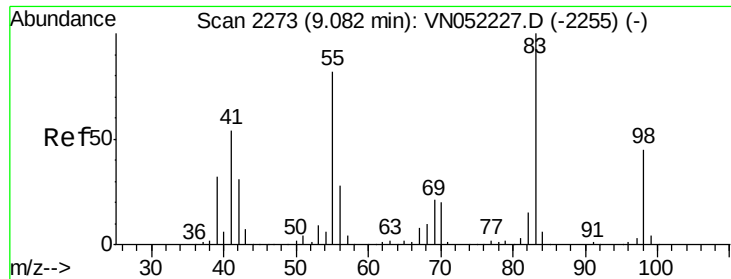
Tot Ion: 43 Resp: 69809
Ion Ratio Lower Upper
43 100
61 13.8 10.0 15.0
70 9.1 6.9 10.3



#38
Carbon Tetrachloride
Concen: 18.098 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion: 117 Resp: 80256
Ion Ratio Lower Upper
117 100
119 94.7 75.8 113.8
121 31.0 23.4 35.2

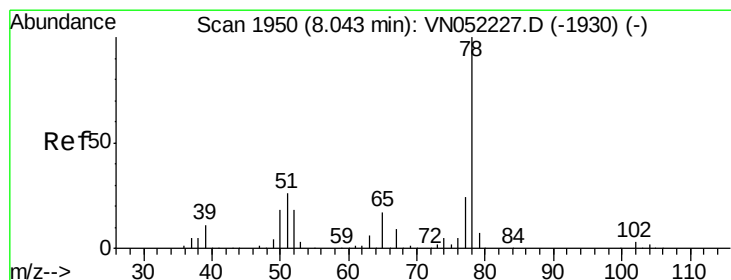
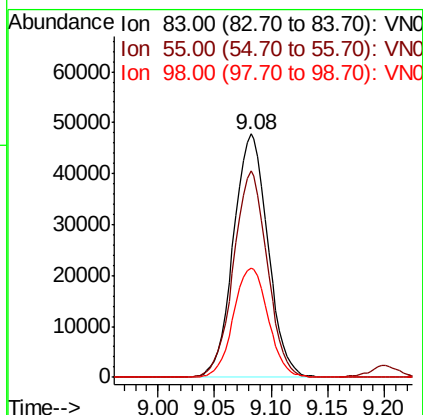
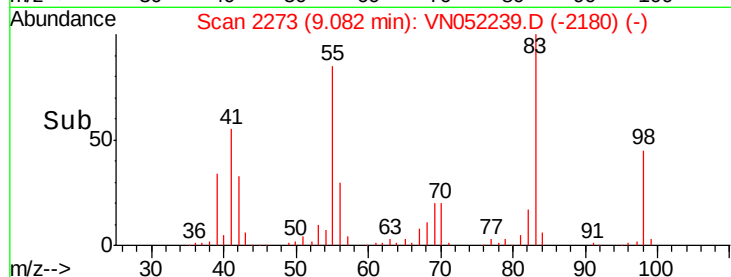
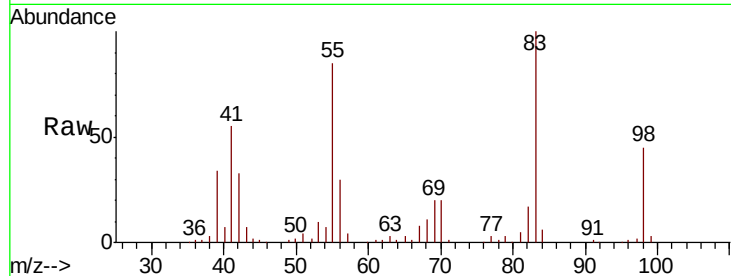




#39
Methylvlcyclohexane
Concen: 18.189 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

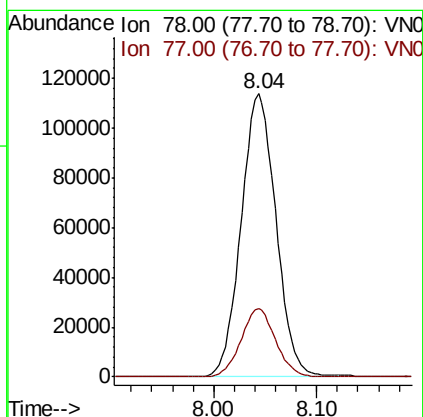
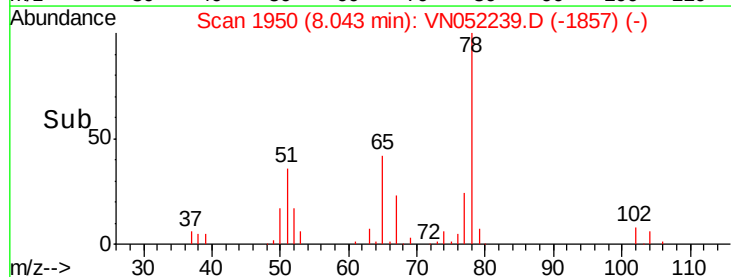
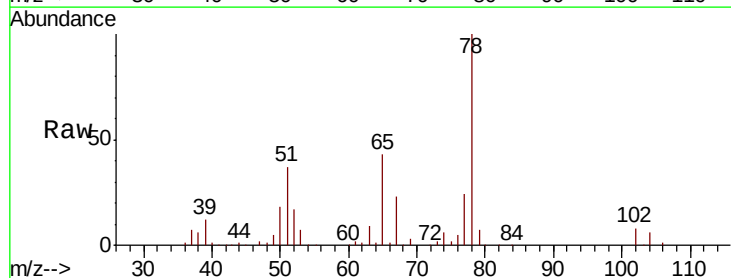
Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

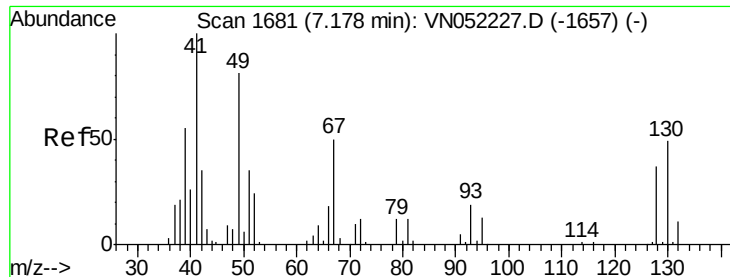
Tot Ion: 83 Resp: 101518
Ion Ratio Lower Upper
83 100
55 85.0 65.2 97.8
98 44.9 36.3 54.5



#40
Benzene
Concen: 19.076 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion: 78 Resp: 267258
Ion Ratio Lower Upper
78 100
77 24.3 19.2 28.8





#41

Methacrylonitrile

Concen: 15.583 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 41 Resp: 33326

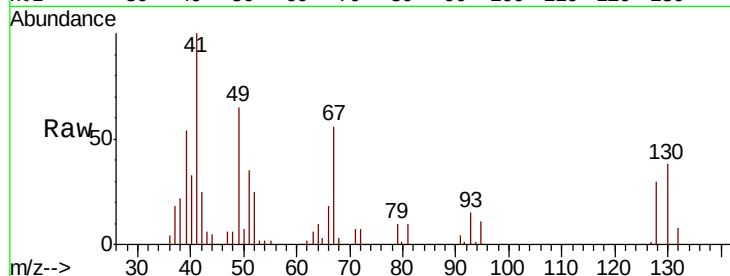
Ion Ratio Lower Upper

41 100

39 59.6 47.8 71.6

67 80.3 54.3 81.5

52 38.9 26.2 39.4

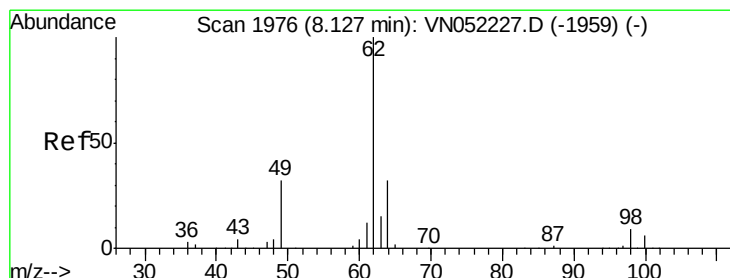
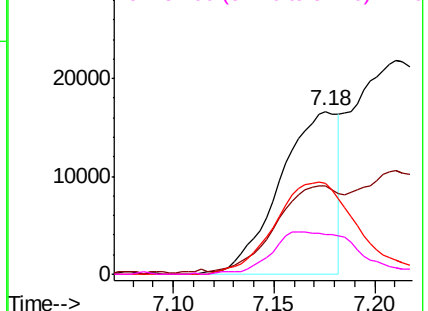
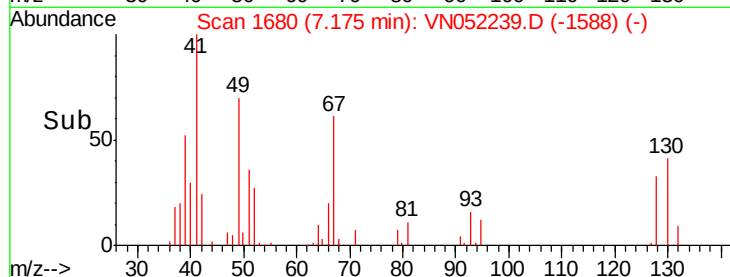


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 18.652 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN052239.D

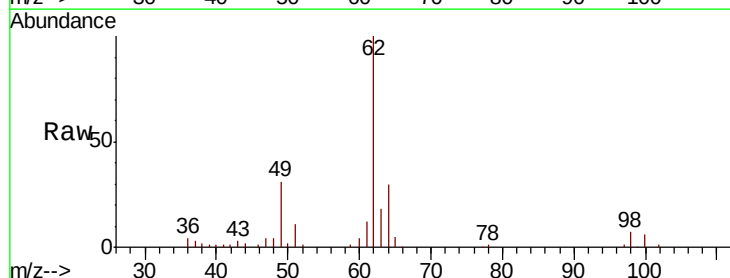
Acq: 9 Nov 2018 20:42

Tgt Ion: 62 Resp: 91683

Ion Ratio Lower Upper

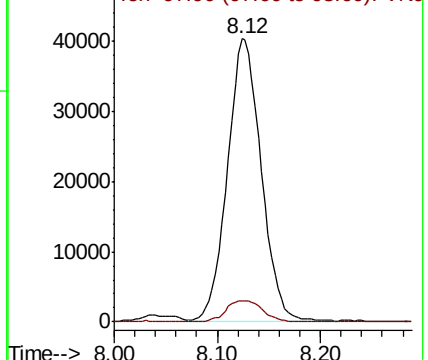
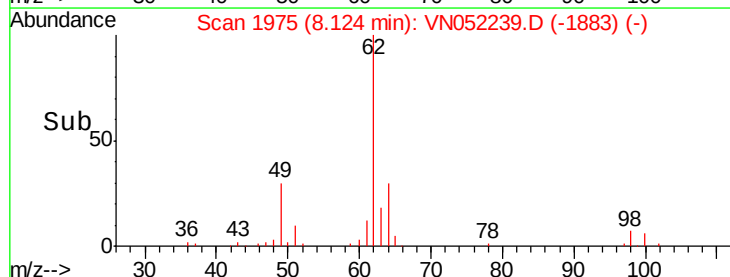
62 100

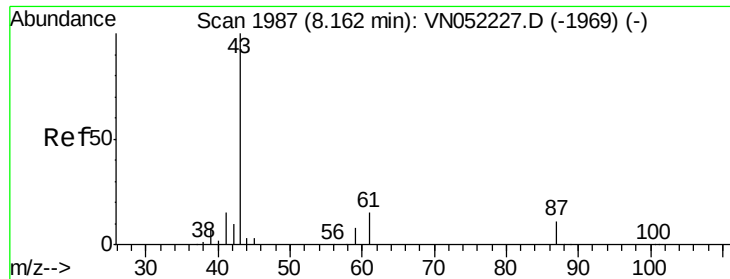
98 8.1 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.488 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

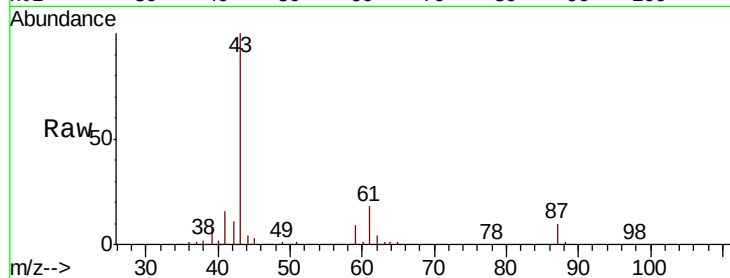
Tot Ion: 43 Resp: 125017

Ion Ratio Lower Upper

43 100

61 16.4 14.2 21.4

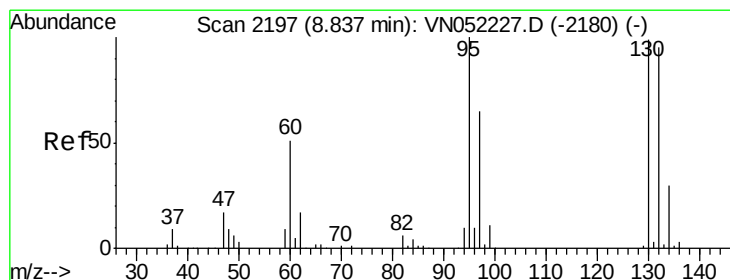
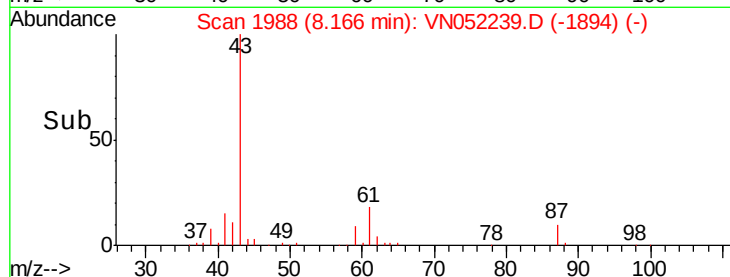
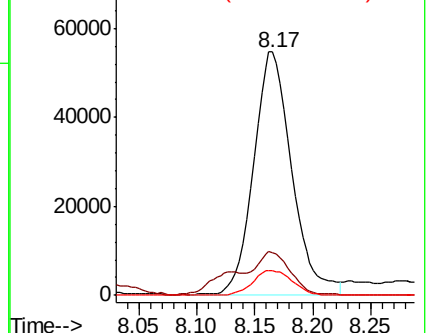
87 10.6 8.4 12.6



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: 18.512 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052239.D

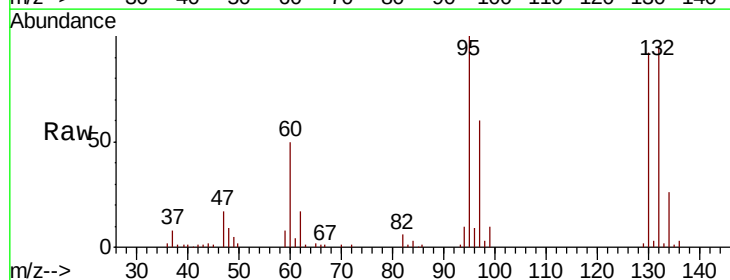
Acq: 9 Nov 2018 20:42

Tgt Ion:130 Resp: 64992

Ion Ratio Lower Upper

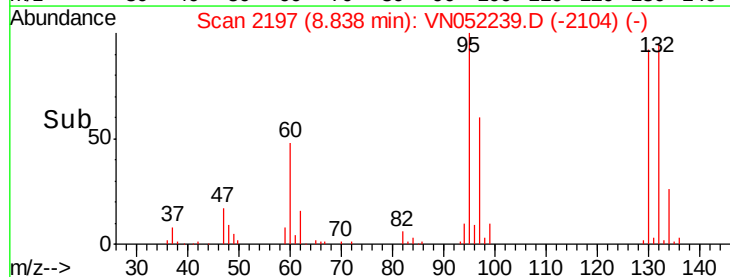
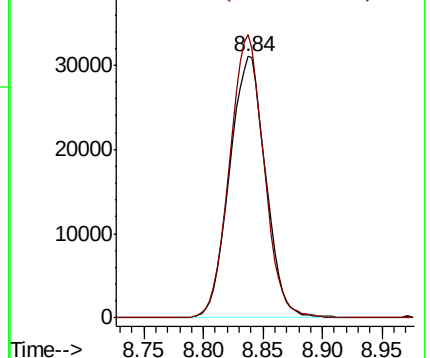
130 100

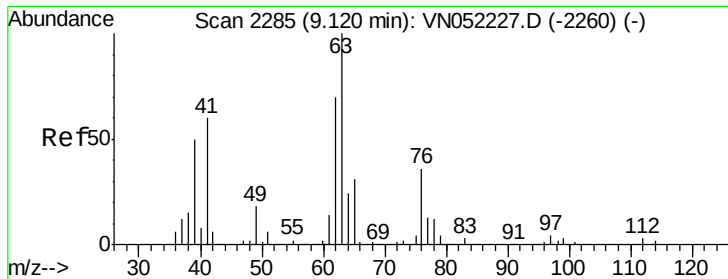
95 108.2 0.0 201.6



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: 19.438 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

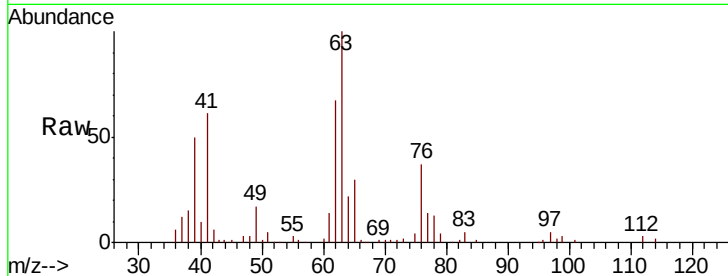
VN1109WBSD01

Tot Ion: 63 Resp: 76079

Ion Ratio Lower Upper

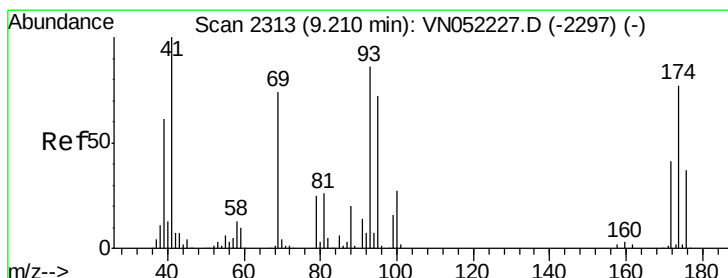
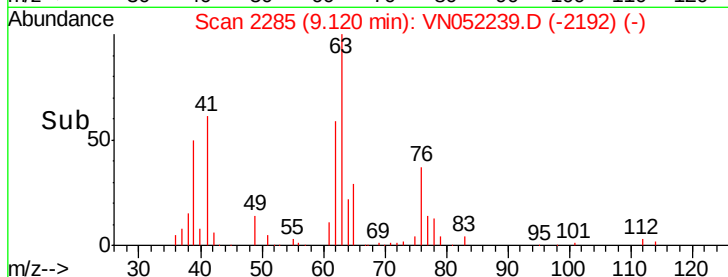
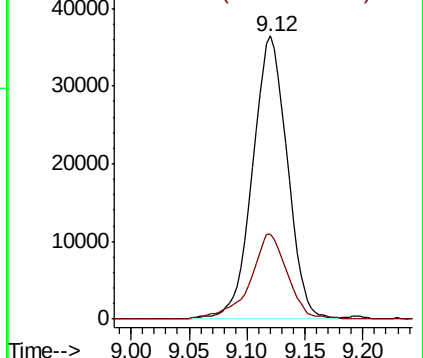
63 100

65 30.0 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.891 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

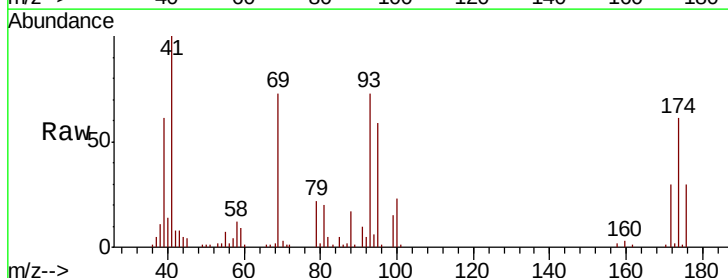
Tgt Ion: 93 Resp: 42471

Ion Ratio Lower Upper

93 100

95 84.2 67.0 100.4

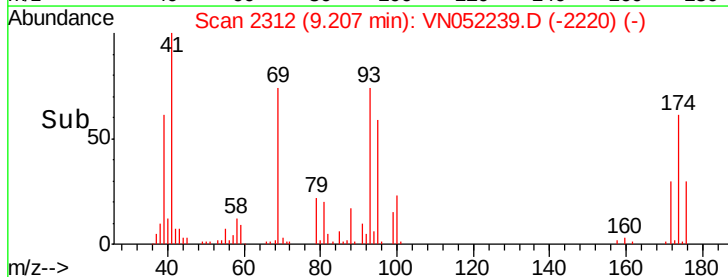
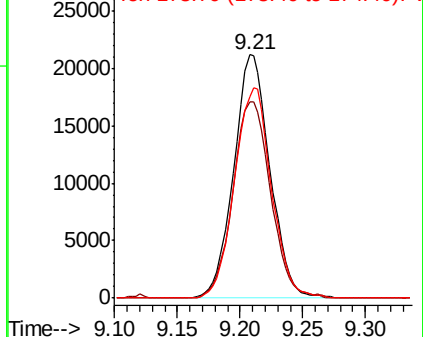
174 88.4 72.1 108.1

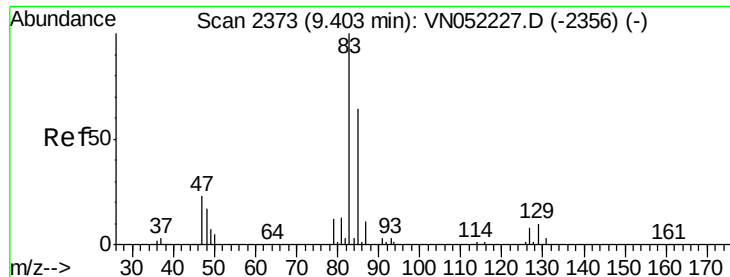


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.787 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

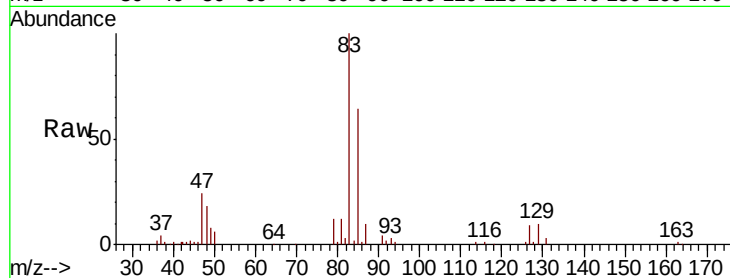
Tot Ion: 83 Resp: 82851

Ion Ratio Lower Upper

83 100

85 64.1 51.2 76.8

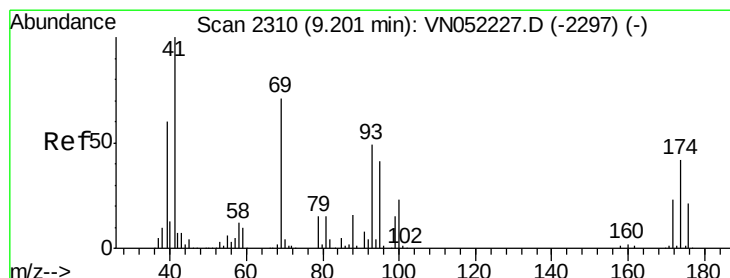
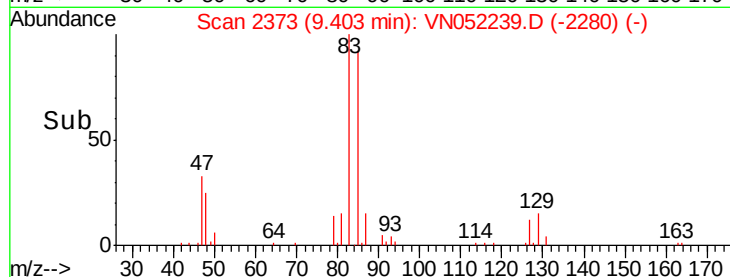
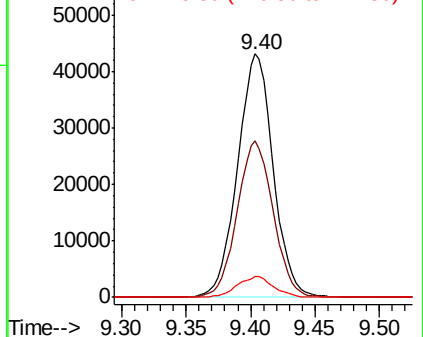
127 8.5 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VN052239.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052239.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052239.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.861 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

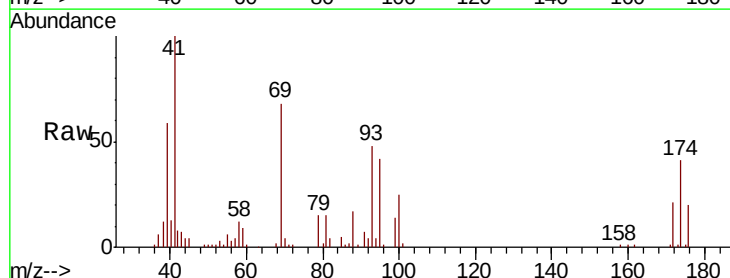
Tgt Ion: 41 Resp: 63753

Ion Ratio Lower Upper

41 100

69 74.9 58.8 88.2

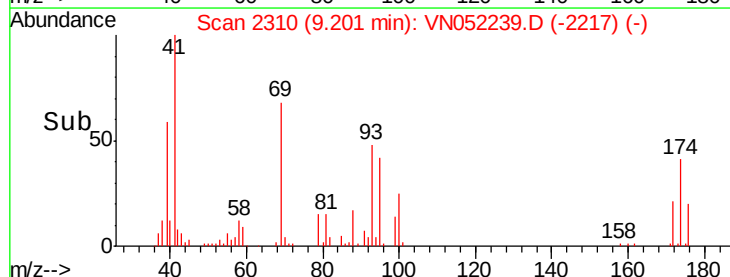
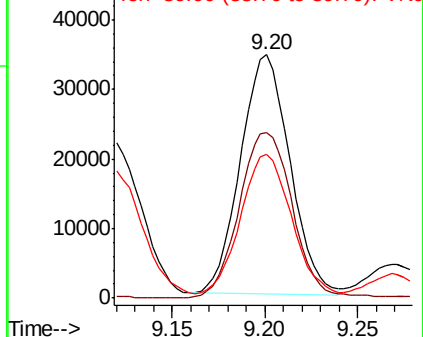
39 61.9 50.7 76.1

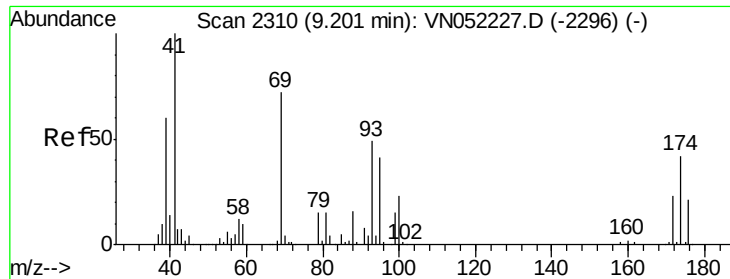


Abundance Ion 41.00 (40.70 to 41.70): VN052239.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN052239.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN052239.D (-2217) (-)





#49

1,4-Dioxane

Concen: 444.905 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

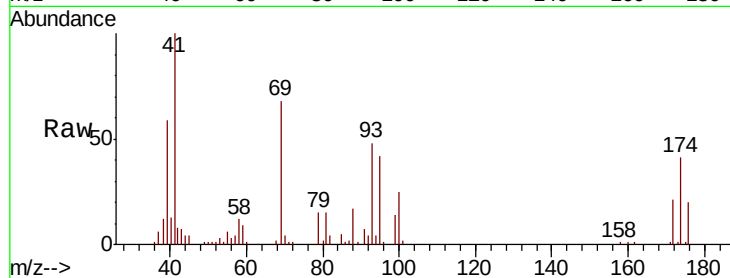
MSVOA_N

ClientSampleId :

VN1109WBSD01

Tot Ion: 88 Resp: 12089

Ion	Ratio	Lower	Upper
88	100		
43	40.5	32.5	48.7
58	73.6	58.2	87.4

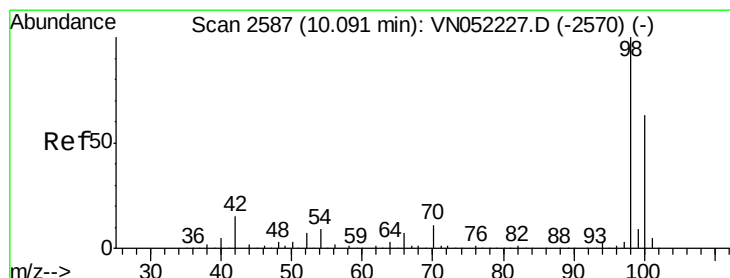
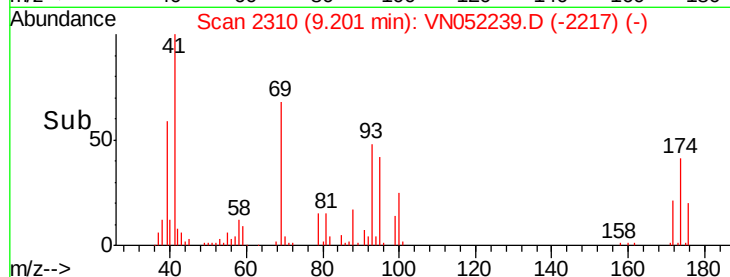
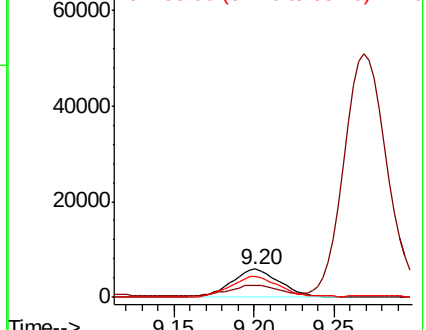


Abundance

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: 444.905 ug/l

RT: 10.09 min Scan# 2587

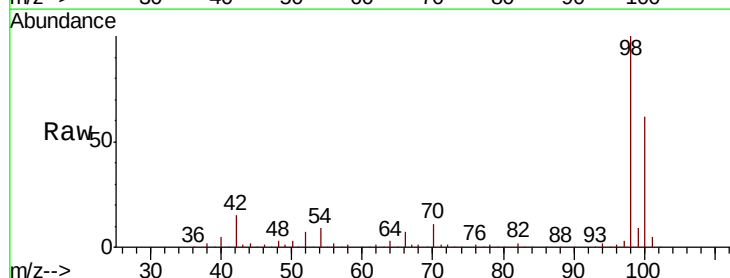
Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Tgt Ion: 98 Resp: 578203

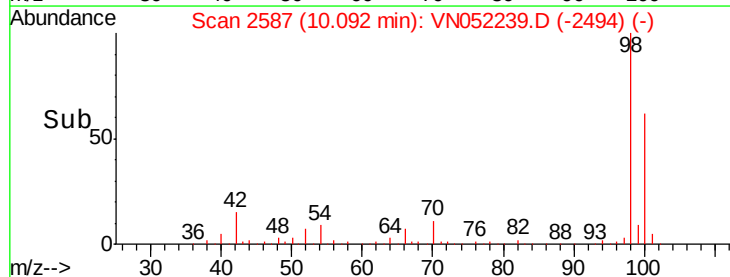
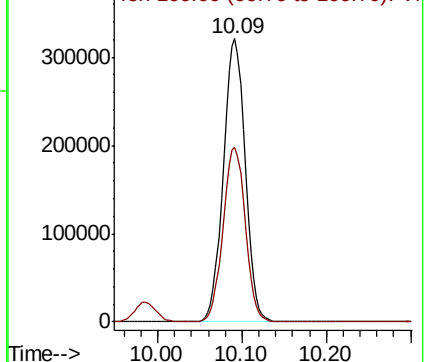
Ion	Ratio	Lower	Upper
98	100		
100	62.5	50.2	75.2

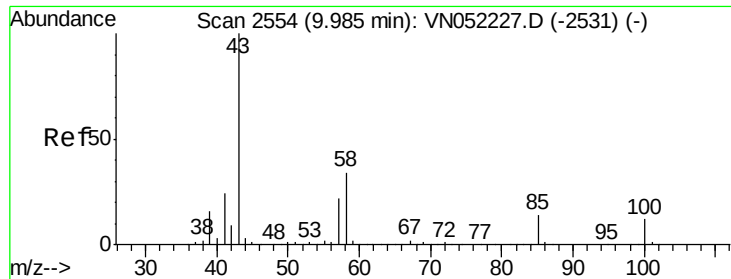


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 98.291 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

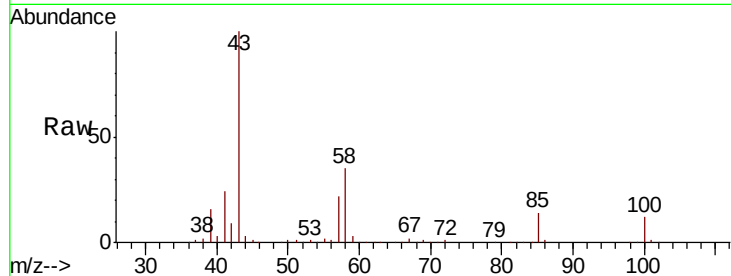
VN1109WBSD01

Tot Ion: 43 Resp: 348222

Ion Ratio Lower Upper

43 100

58 34.8 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

200000

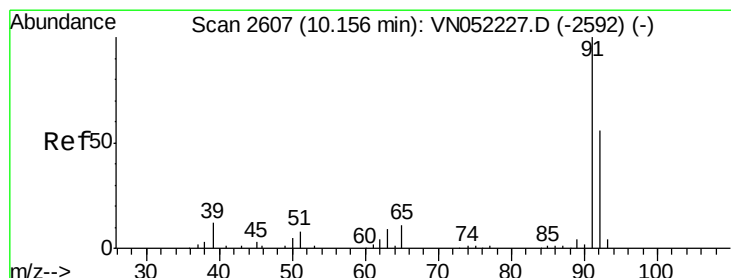
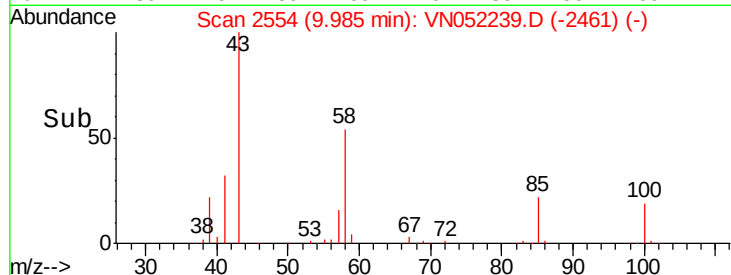
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.176 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052239.D

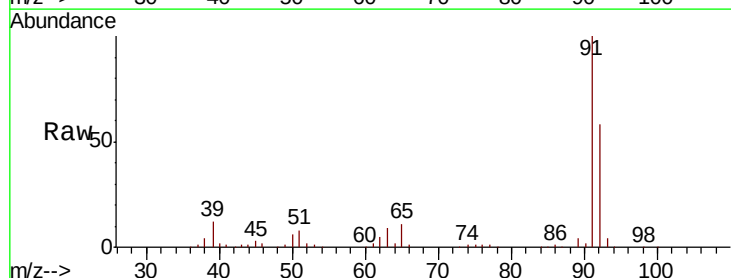
Acq: 9 Nov 2018 20:42

Tgt Ion: 92 Resp: 162066

Ion Ratio Lower Upper

92 100

91 175.4 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

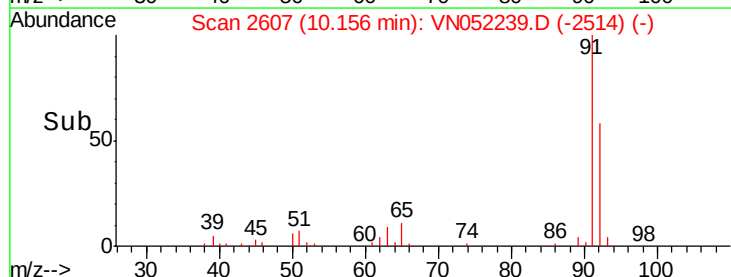
150000

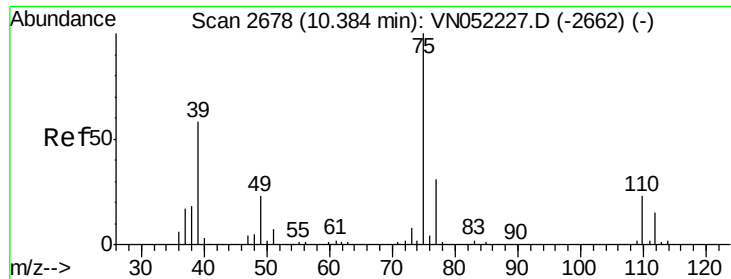
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.057 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

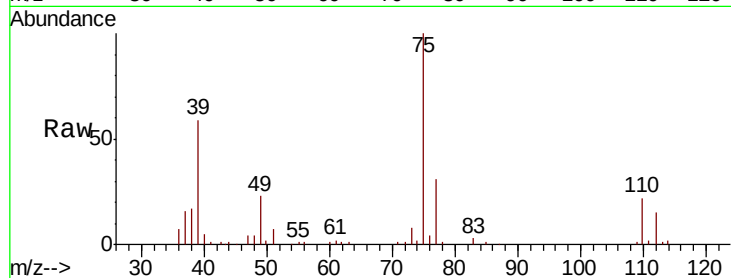
VN1109WBSD01

Tot Ion: 75 Resp: 83000

Ion Ratio Lower Upper

75 100

77 30.1 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-2662) (-)

Ion 76.90 (76.60 to 77.60): VN052227.D (-2662) (-)

10.38

50000

40000

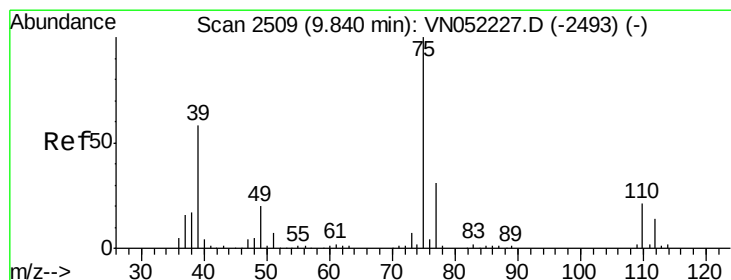
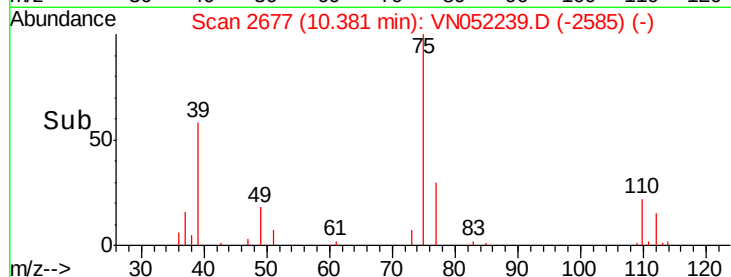
30000

20000

10000

0

Time--> 10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 18.107 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

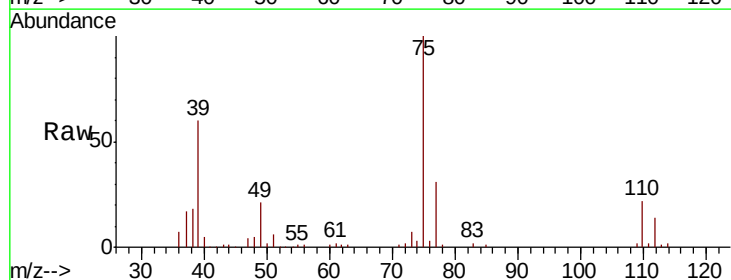
Tgt Ion: 75 Resp: 98250

Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8

39 59.5 46.6 70.0



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN052227.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN052227.D (-2493) (-)

9.84

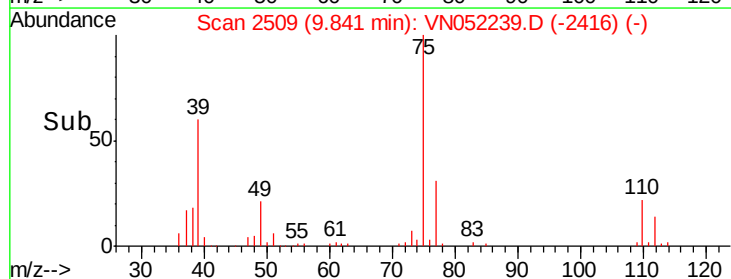
60000

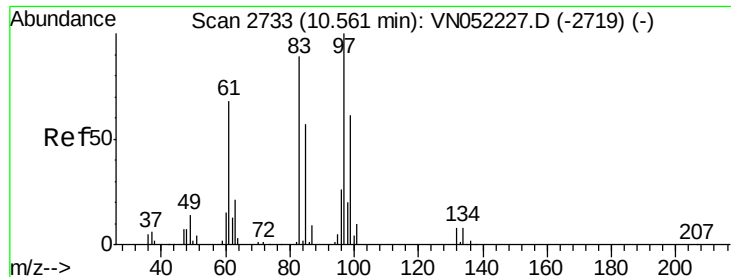
40000

20000

0

Time--> 9.75 9.80 9.85 9.90

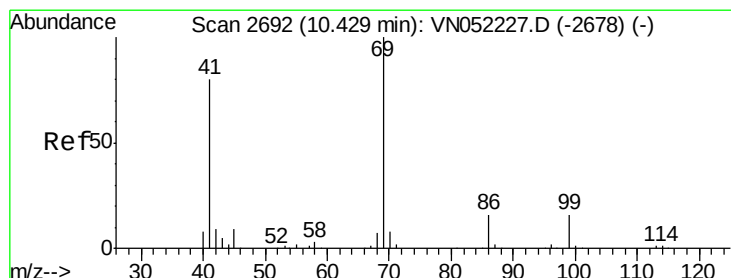
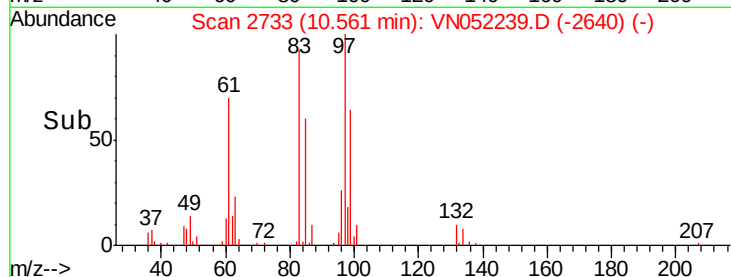
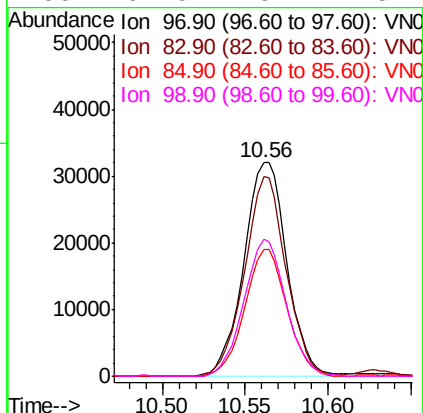
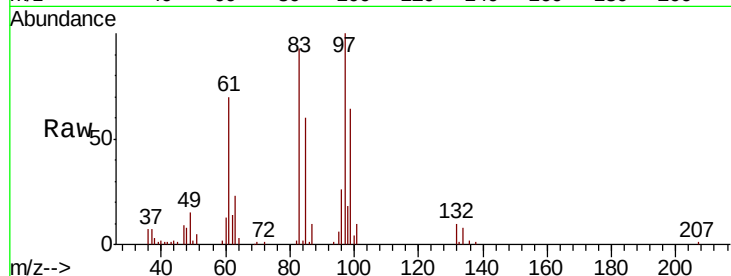




#55
 1,1,2-Trichloroethane
 Concen: 18.961 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

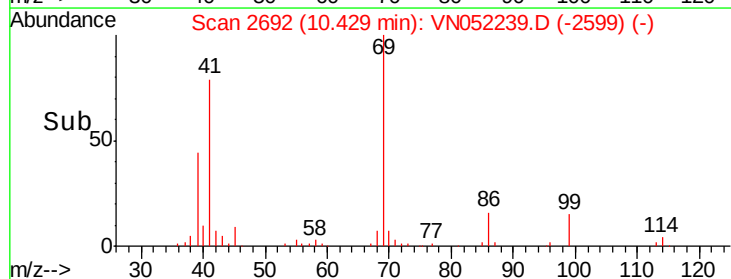
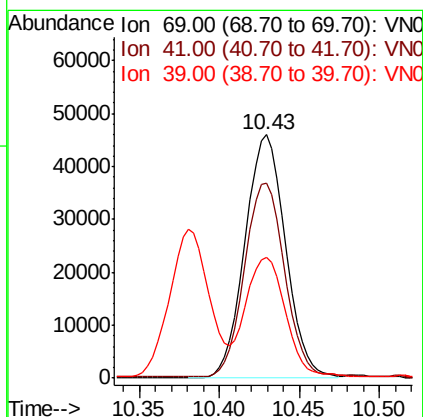
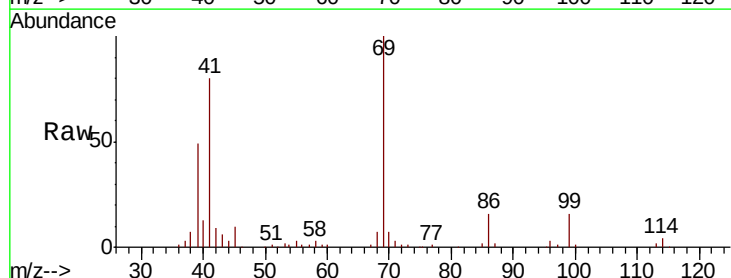
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

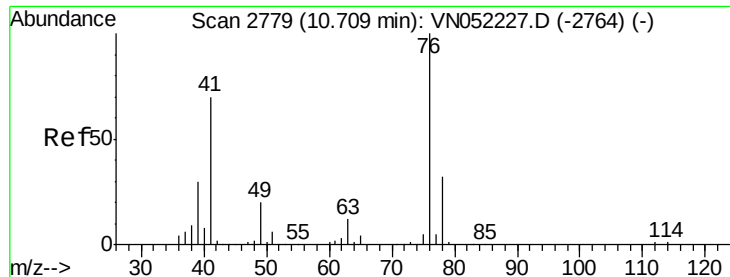
Tot Ion: 97 Resp: 57920
 Ion Ratio Lower Upper
 97 100
 83 93.3 71.2 106.8
 85 59.5 45.6 68.4
 99 64.0 49.1 73.7



#56
 Ethyl methacrylate
 Concen: 19.327 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion: 69 Resp: 79791
 Ion Ratio Lower Upper
 69 100
 41 78.5 64.0 96.0
 39 47.6 37.8 56.8

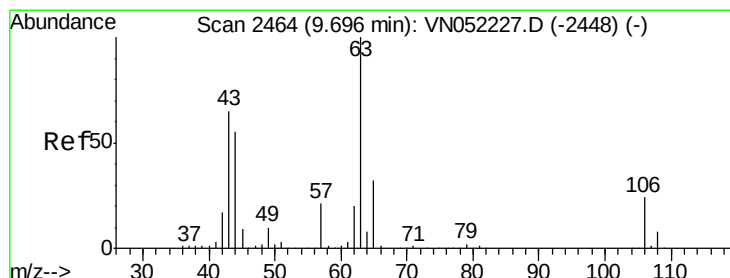
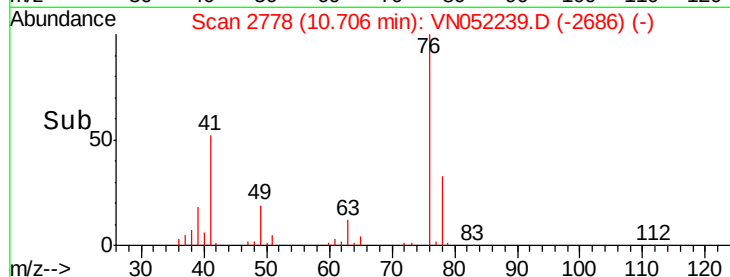
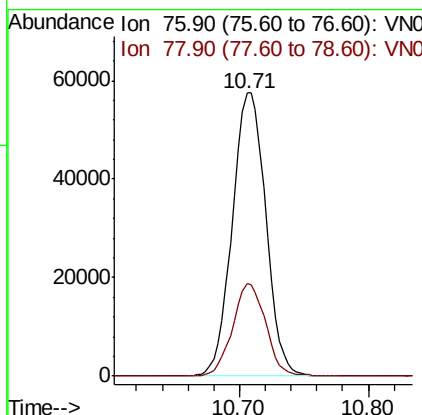
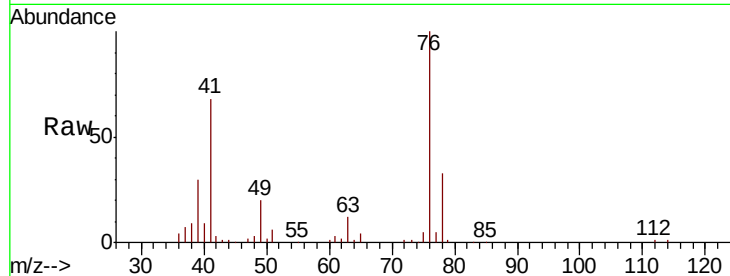




#57
 1,3-Dichloropropane
 Concen: 19.022 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

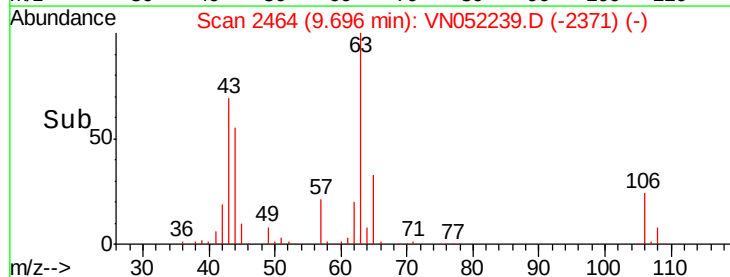
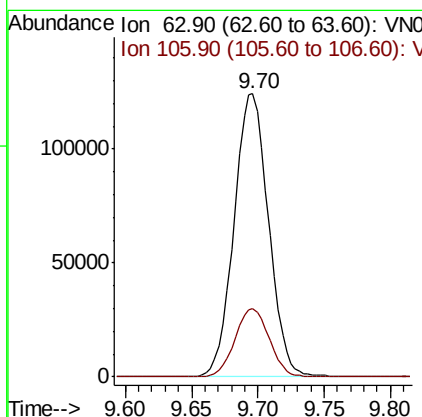
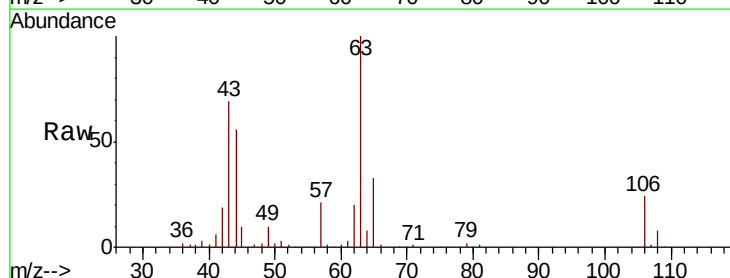
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

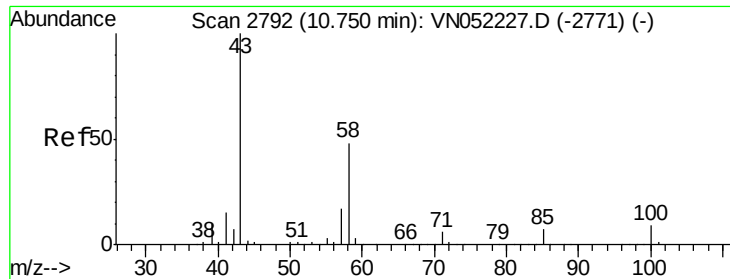
Tot Ion: 76 Resp: 104016
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.270 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion: 63 Resp: 224642
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.5 29.3





#59

2-Hexanone

Concen: 92.630 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampled :

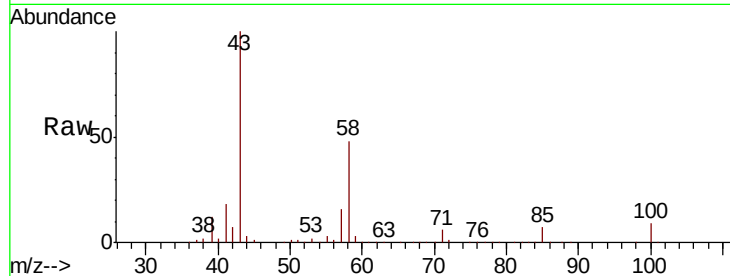
VN1109WBSD01

Tot Ion: 43 Resp: 230374

Ion Ratio Lower Upper

43 100

58 48.1 24.1 72.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

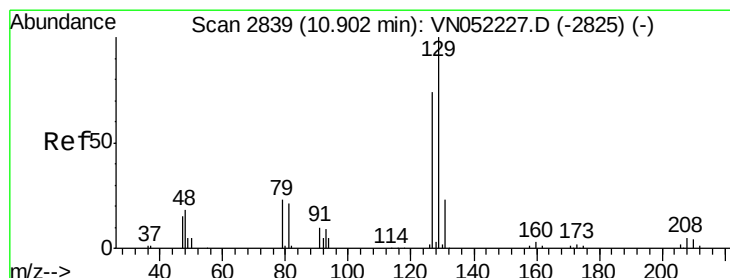
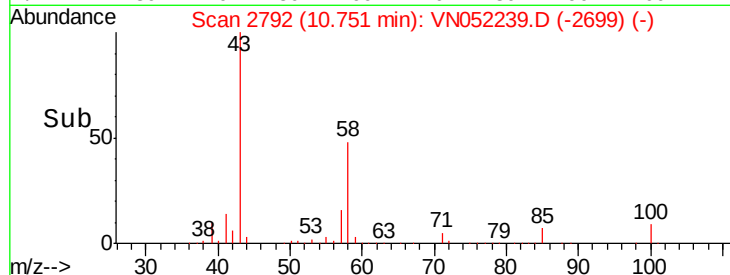
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 18.566 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052239.D

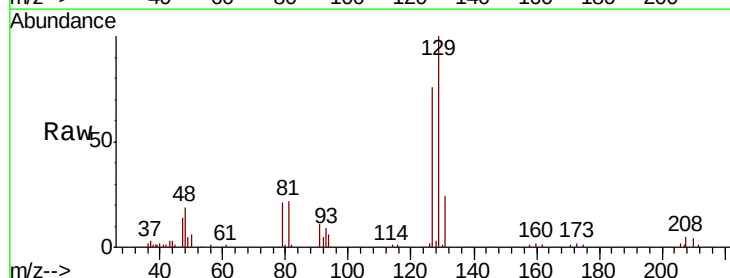
Acq: 9 Nov 2018 20:42

Tgt Ion:129 Resp: 57526

Ion Ratio Lower Upper

129 100

127 76.0 38.0 114.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

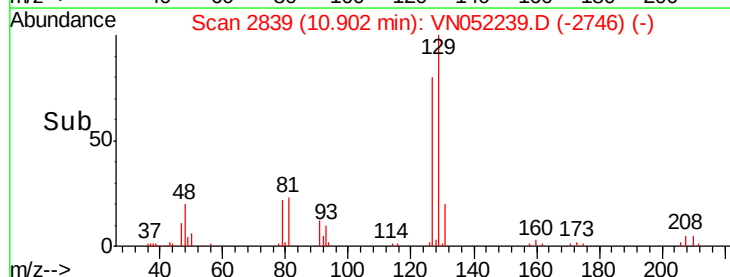
30000

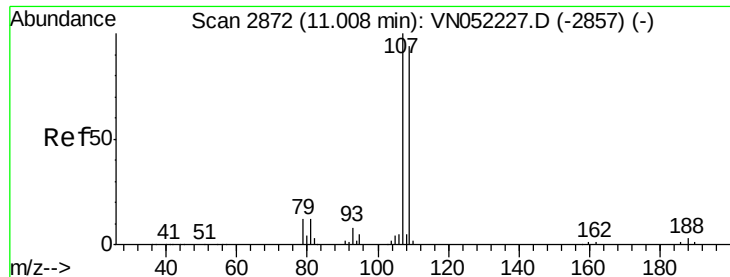
20000

10000

0

Time-->

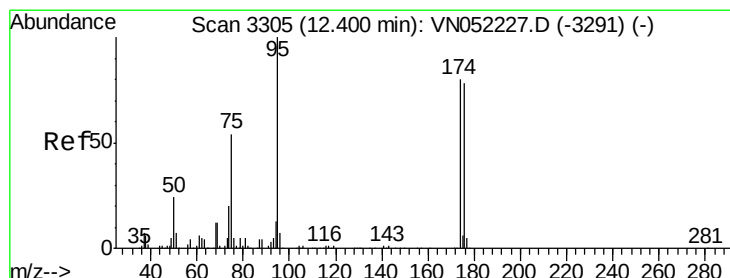
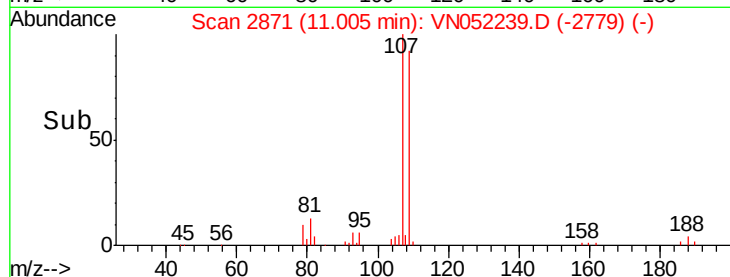
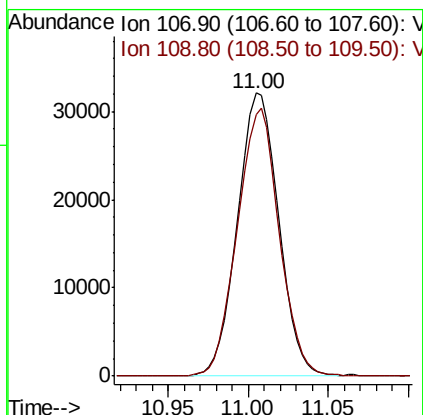
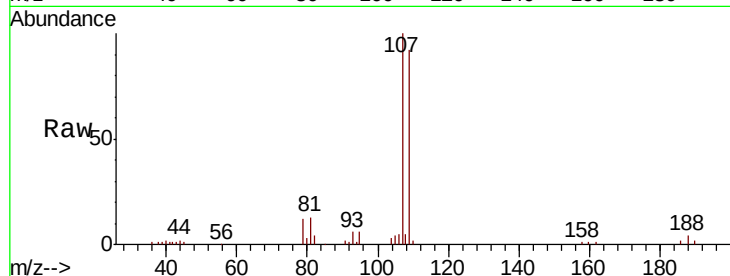




#61
 1,2-Dibromoethane
 Concen: 18.807 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

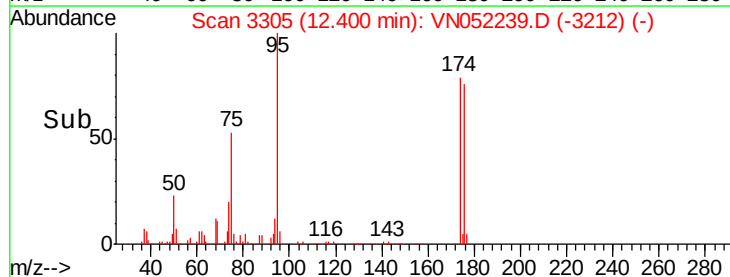
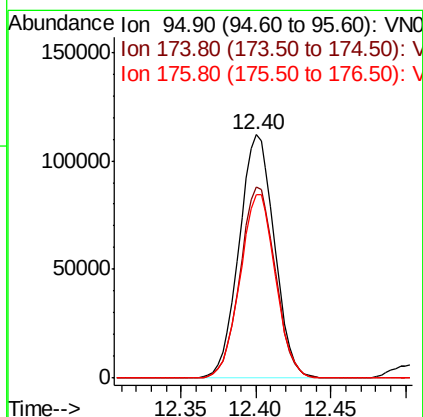
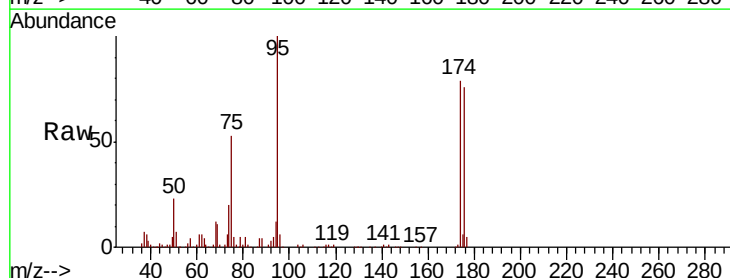
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

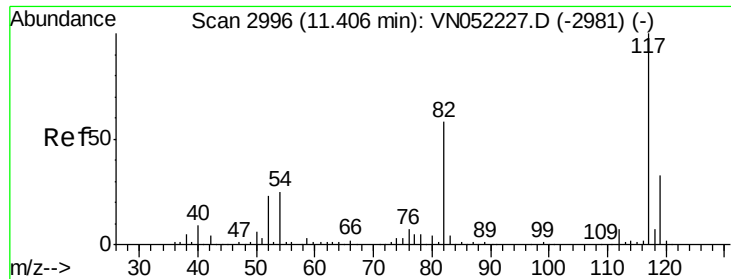
Tot Ion: 107 Resp: 56462
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 18.807 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion: 95 Resp: 184225
 Ion Ratio Lower Upper
 95 100
 174 78.2 0.0 159.4
 176 75.8 0.0 157.8

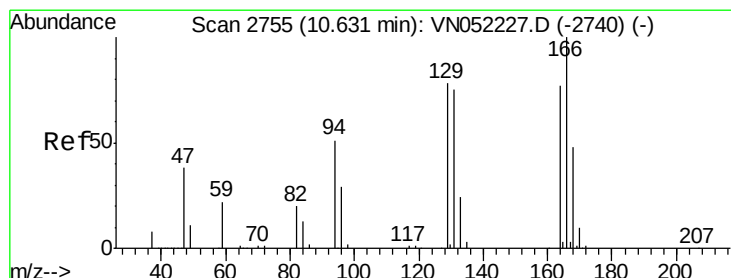
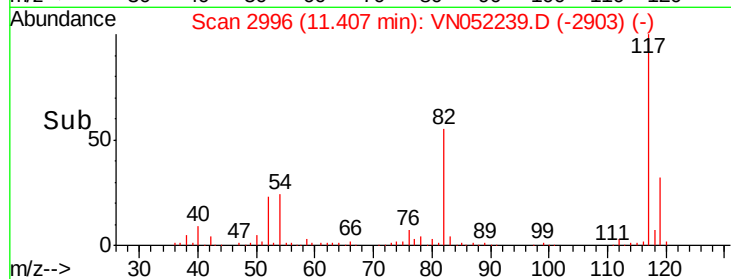
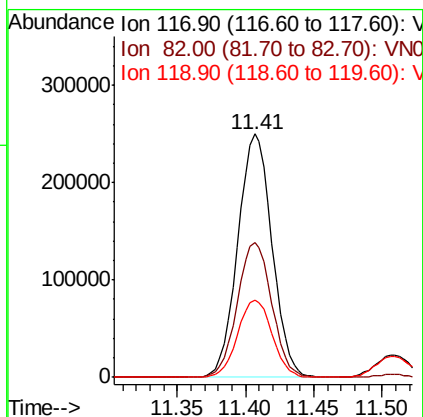
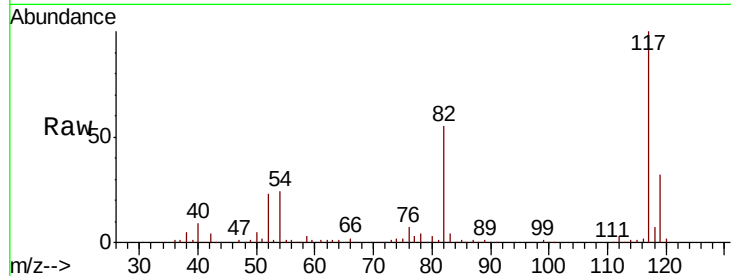




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

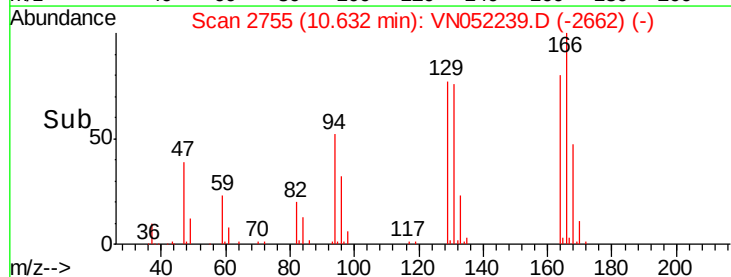
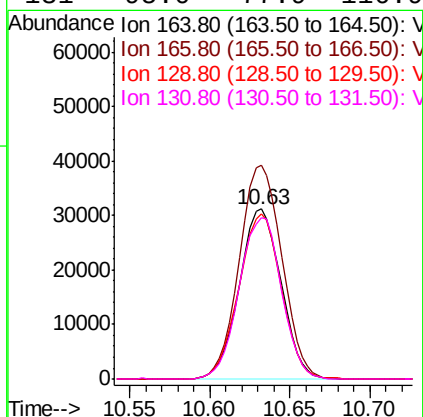
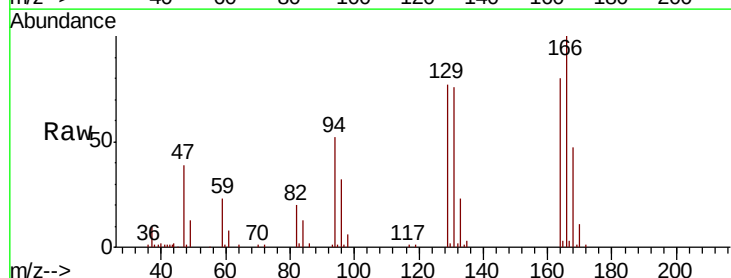
Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

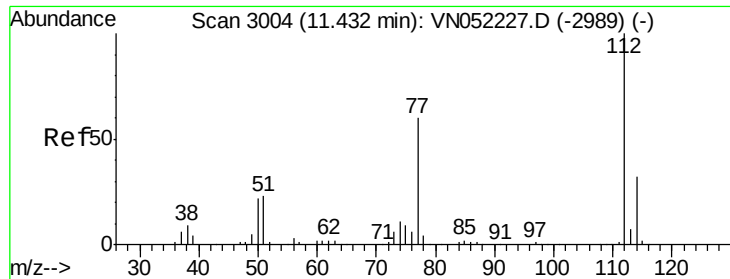
Tot Ion:117 Resp: 434857
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.2
119 31.9 26.2 39.4



#64
Tetrachloroethene
Concen: 18.259 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion:164 Resp: 55592
Ion Ratio Lower Upper
164 100
166 125.5 103.6 155.4
129 97.0 81.0 121.6
131 95.0 77.9 116.9

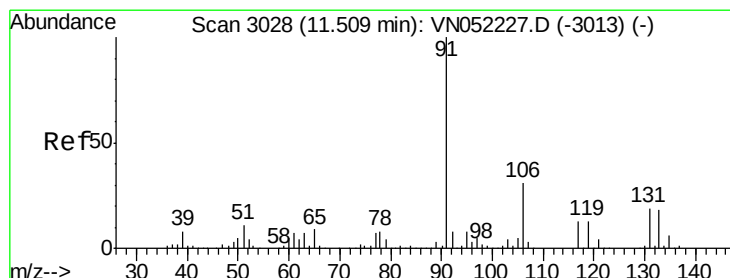
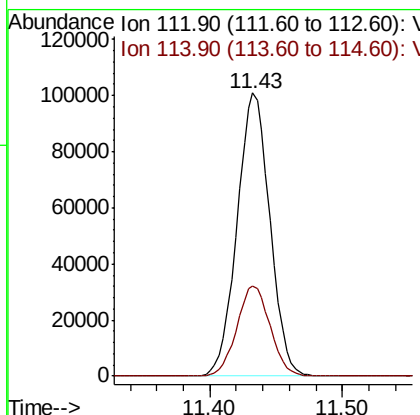
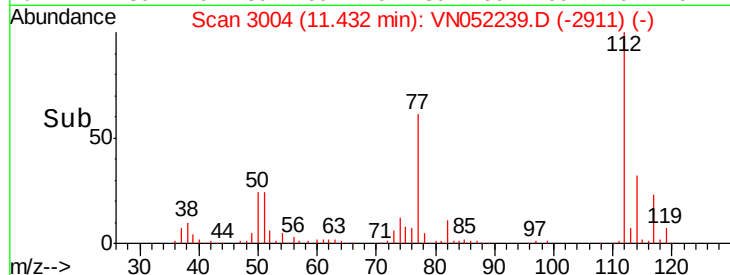
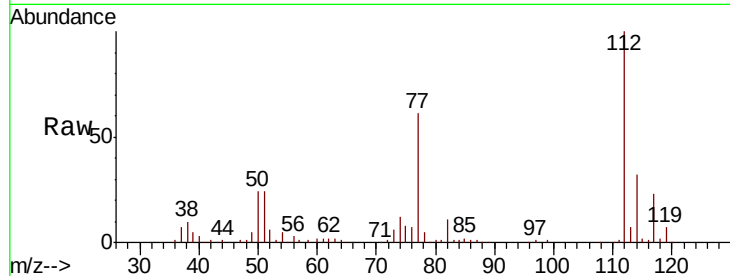




#65
Chlorobenzene
Concen: 18.786 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

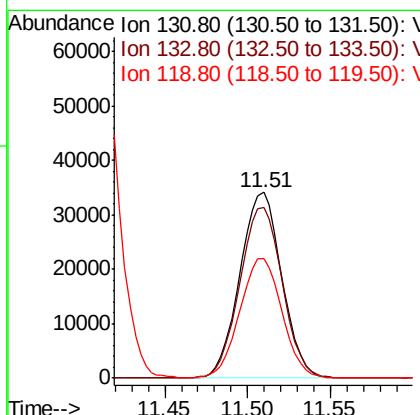
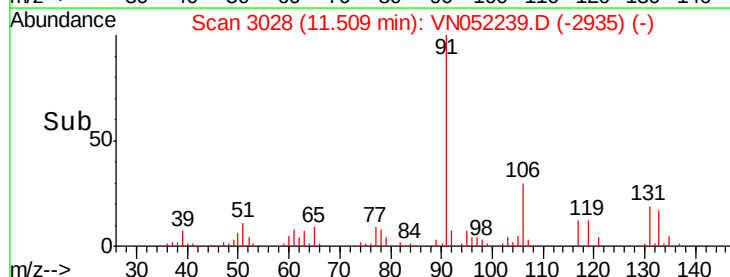
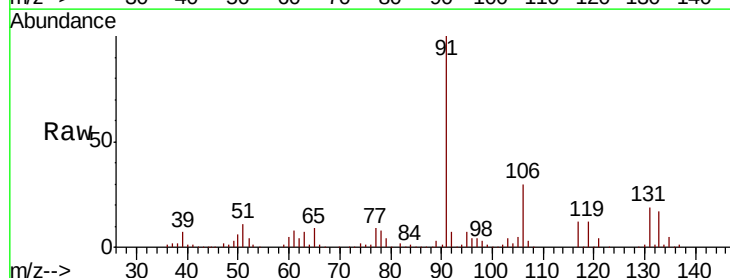
Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

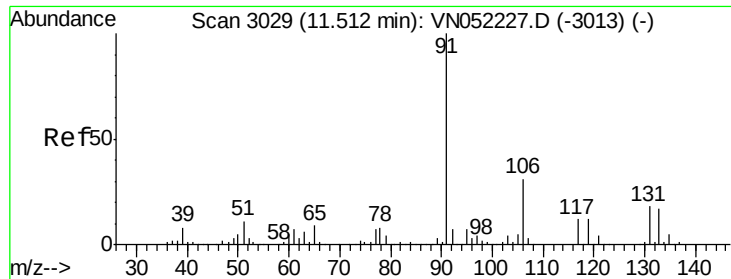
Tot Ion:112 Resp: 173097
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.205 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion:131 Resp: 59942
Ion Ratio Lower Upper
131 100
133 93.5 48.3 144.9
119 64.9 34.6 103.9

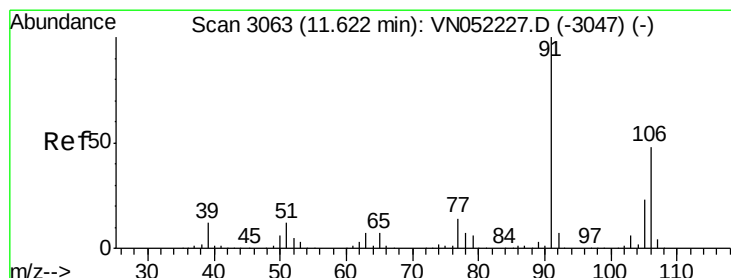
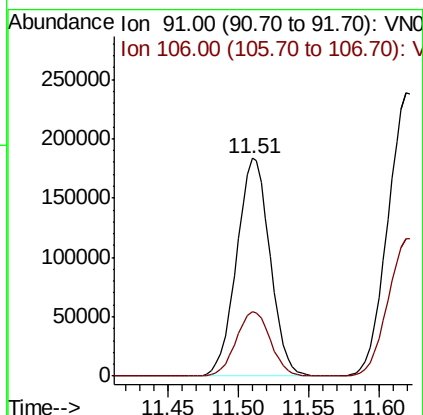
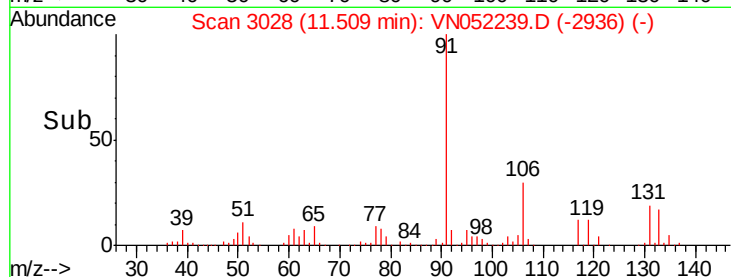
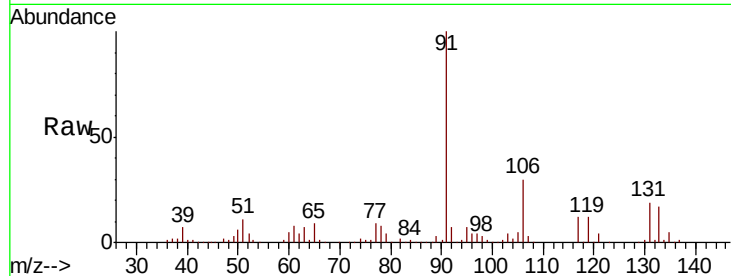




#67
Ethyl Benzene
Concen: 18.816 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

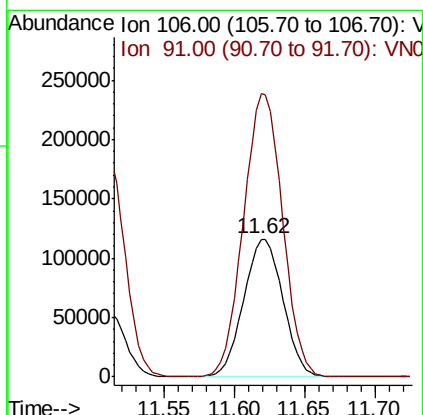
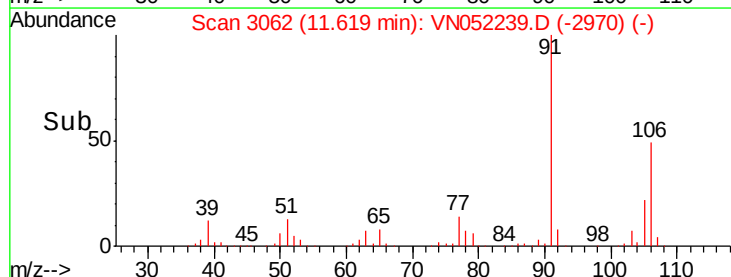
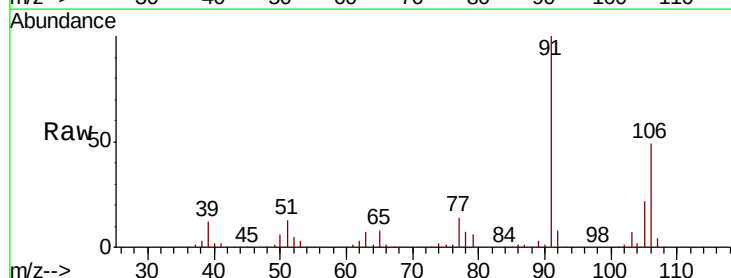
Instrument :
MSVOA_N
ClientSampled :
VN1109WBSD01

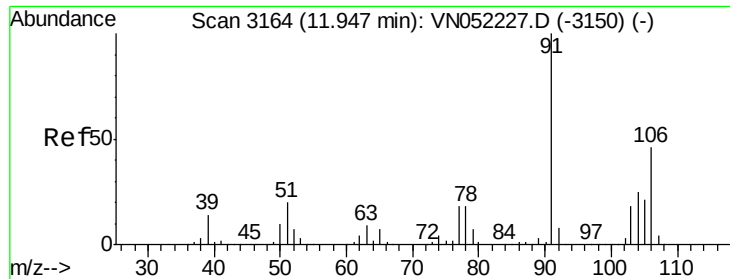
Tot Ion: 91 Resp: 304962
Ion Ratio Lower Upper
91 100
106 29.7 24.7 37.1



#68
m/p-Xylenes
Concen: 37.568 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion: 106 Resp: 226753
Ion Ratio Lower Upper
106 100
91 204.3 165.7 248.5

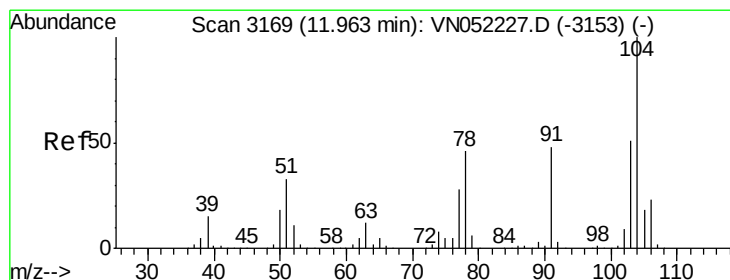
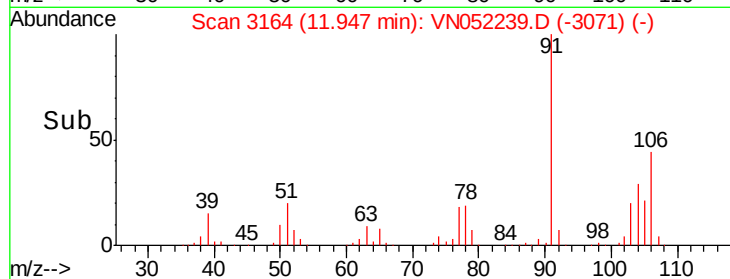
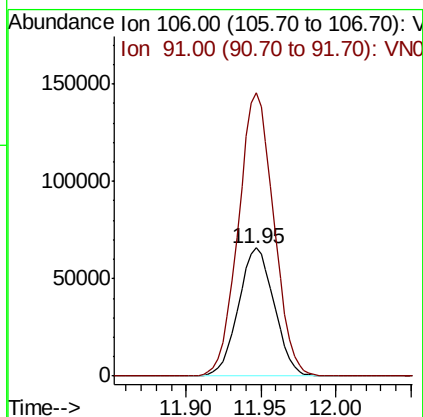
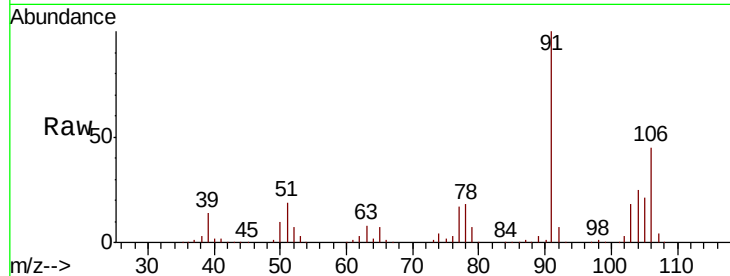




#69
o-Xylene
Concen: 18.995 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

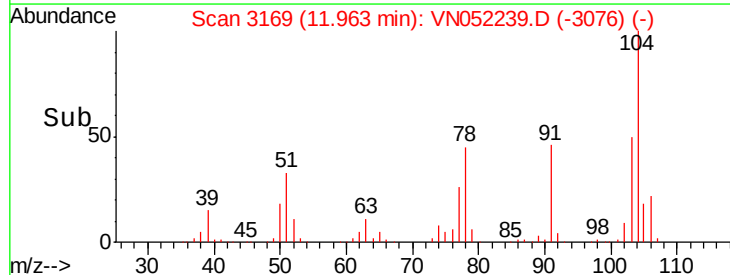
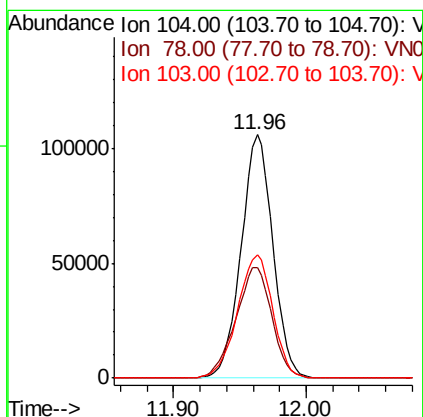
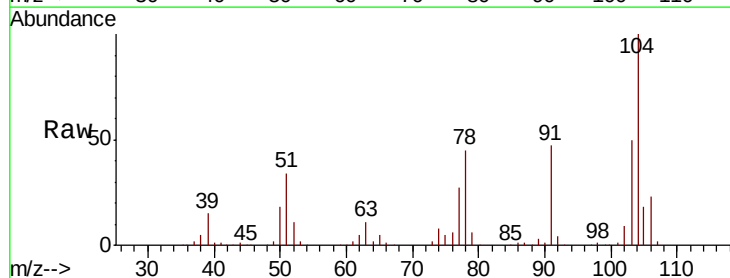
Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

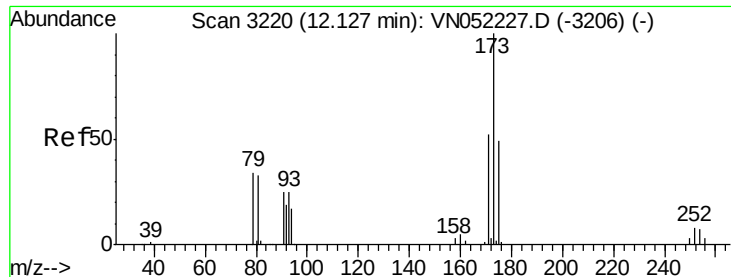
Tot Ion:106 Resp: 109538
Ion Ratio Lower Upper
106 100
91 218.6 108.5 325.5



#70
Styrene
Concen: 18.897 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion:104 Resp: 176050
Ion Ratio Lower Upper
104 100
78 51.9 41.8 62.6
103 56.3 44.9 67.3





#71

Bromoform

Concen: 17.400 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

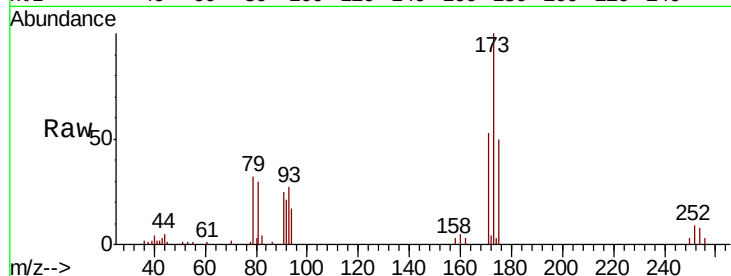
Tot Ion:173 Resp: 32398

Ion Ratio Lower Upper

173 100

175 48.1 24.5 73.5

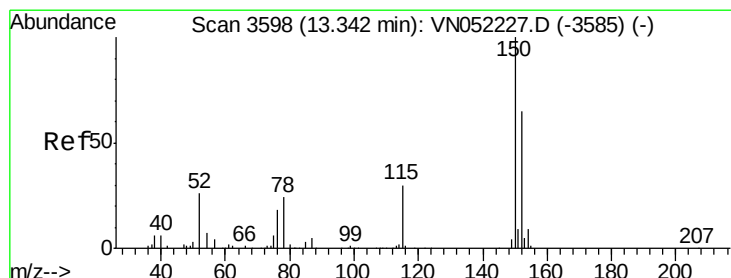
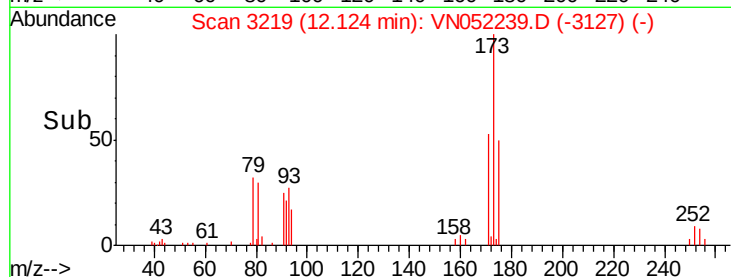
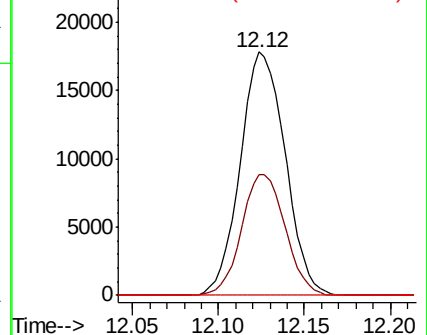
254 0.0 0.0 0.0



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: VN052239.D

Acq: 9 Nov 2018 20:42

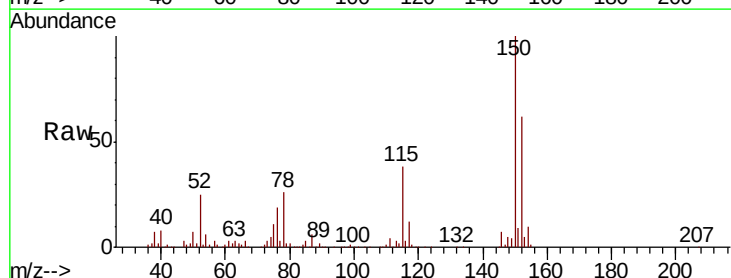
Tgt Ion:152 Resp: 183888

Ion Ratio Lower Upper

152 100

115 60.3 29.8 89.5

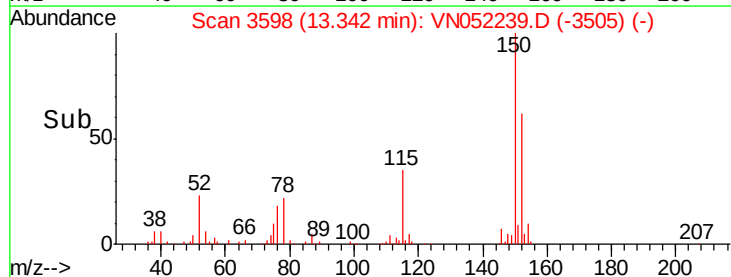
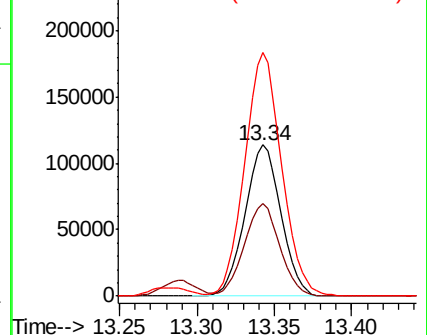
150 165.5 0.0 350.2

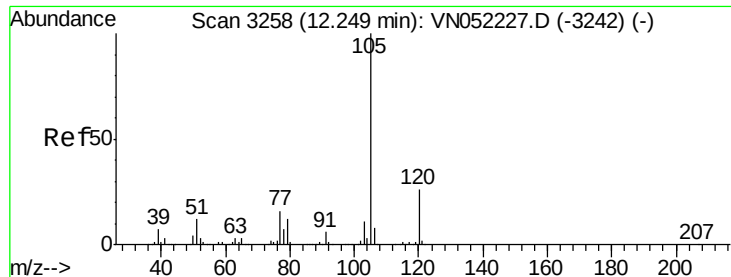


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.299 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

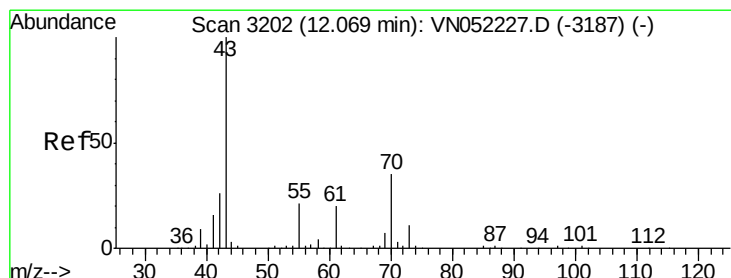
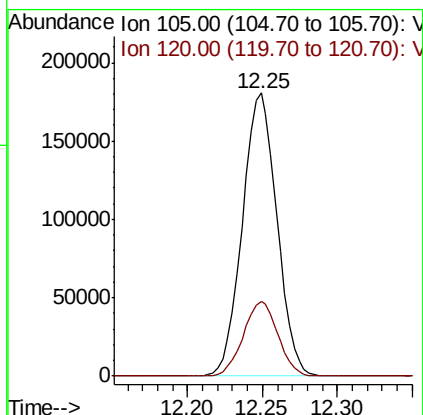
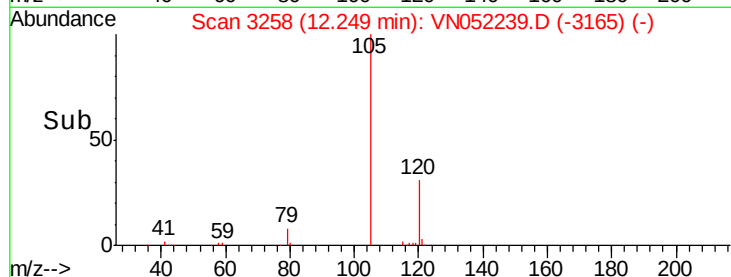
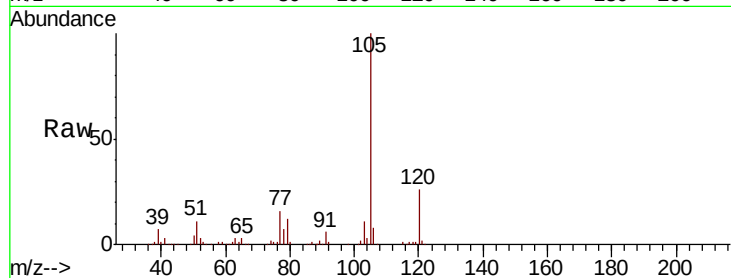
VN1109WBSD01

Tot Ion:105 Resp: 290102

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.1



#74

N-ethyl acetate

Concen: 19.752 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Tgt Ion: 43 Resp: 107792

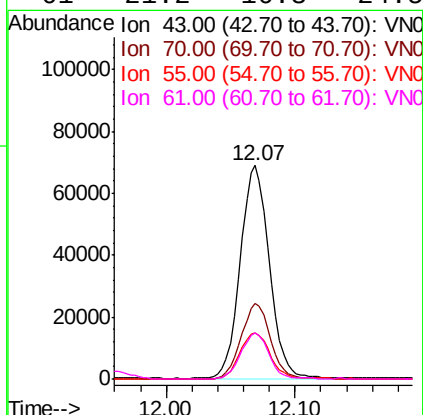
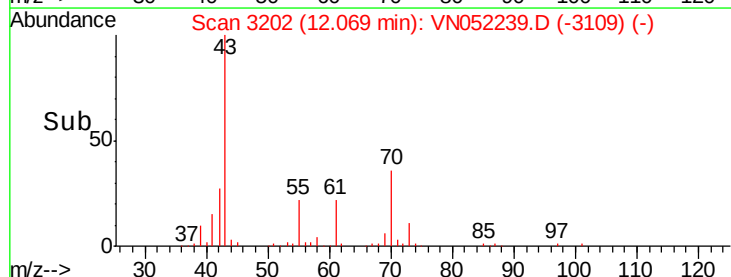
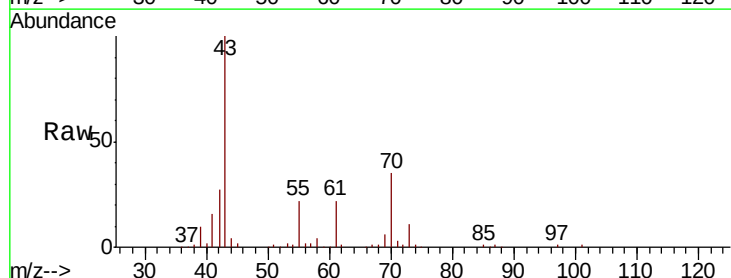
Ion Ratio Lower Upper

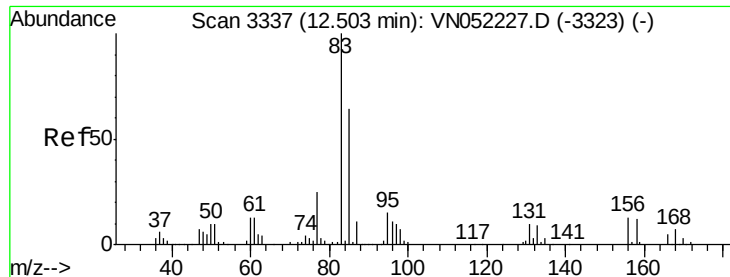
43 100

70 36.0 28.2 42.2

55 22.7 17.4 26.2

61 21.2 16.3 24.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.614 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

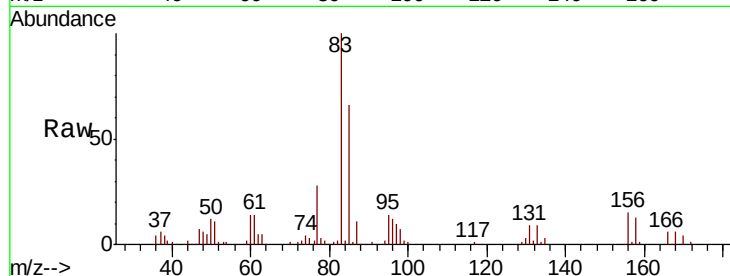
Tot Ion: 83 Resp: 72283

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.2

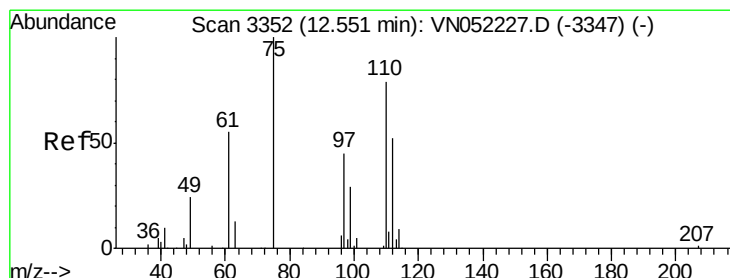
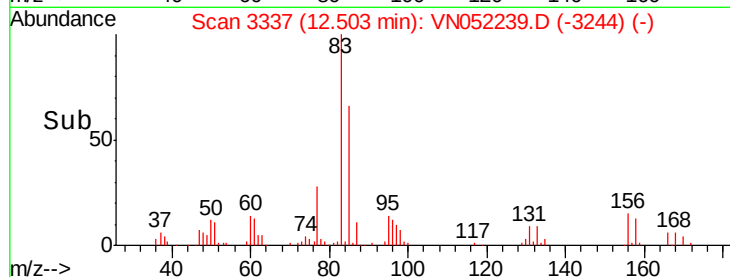
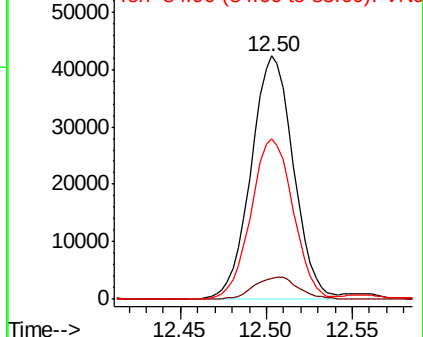
85 65.7 32.4 97.2



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: 27.565 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052239.D

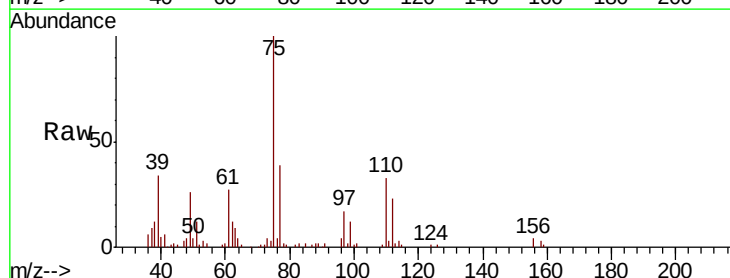
Acq: 9 Nov 2018 20:42

Tgt Ion: 75 Resp: 89681

Ion Ratio Lower Upper

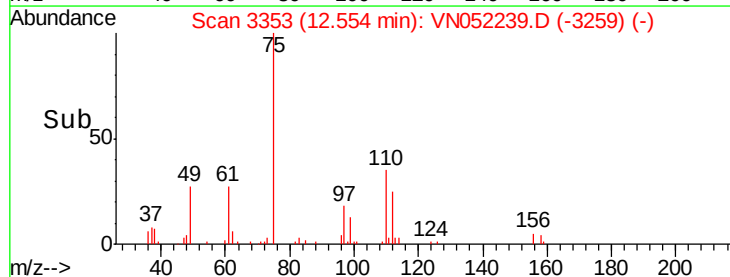
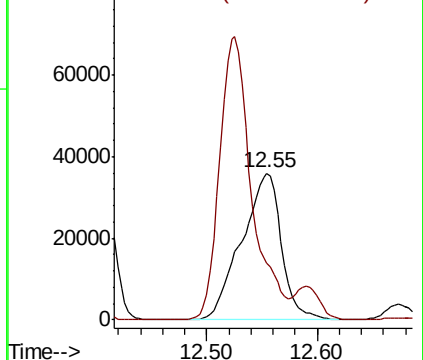
75 100

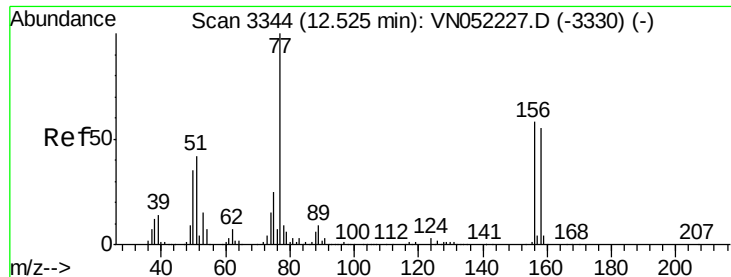
77 0.0 0.0 0.0



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: 19.082 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

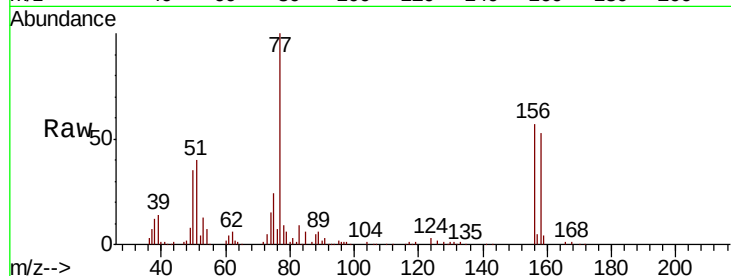
Tot Ion:156 Resp: 67144

Ion Ratio Lower Upper

156 100

77 208.5 101.1 303.3

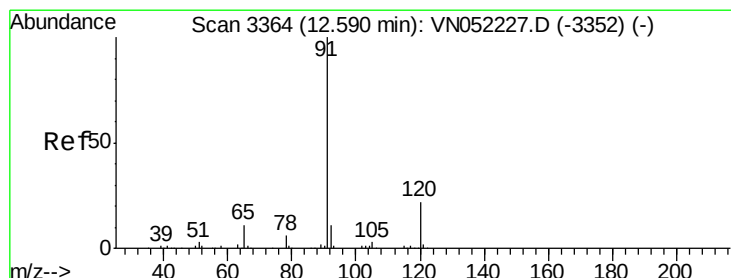
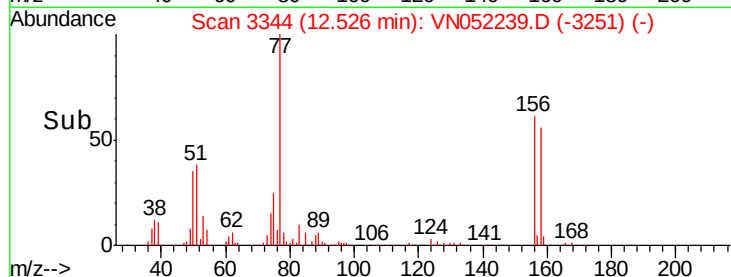
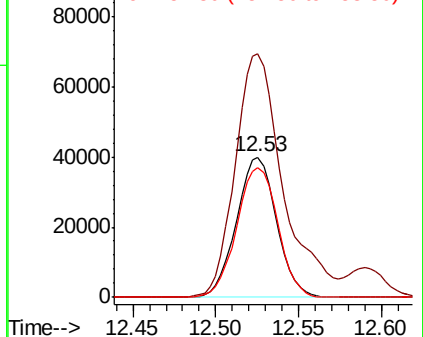
158 95.2 47.8 143.3



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: 18.985 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052239.D

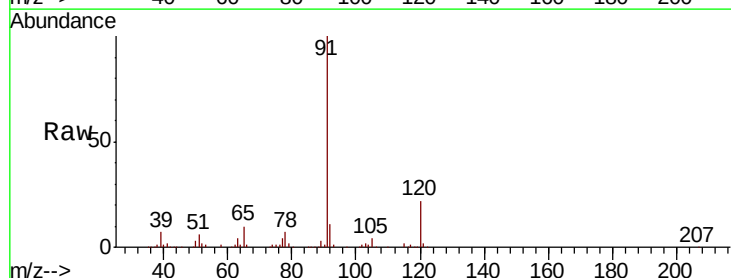
Acq: 9 Nov 2018 20:42

Tgt Ion: 91 Resp: 334247

Ion Ratio Lower Upper

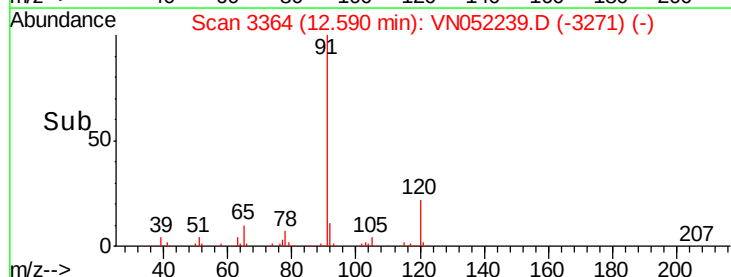
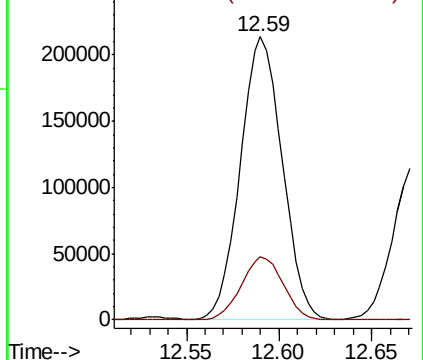
91 100

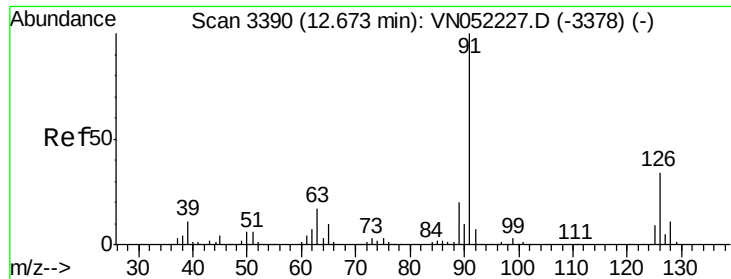
120 22.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.406 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

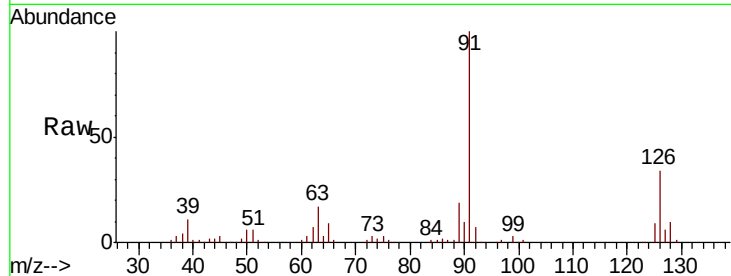
VN1109WBSD01

Tot Ion: 91 Resp: 197931

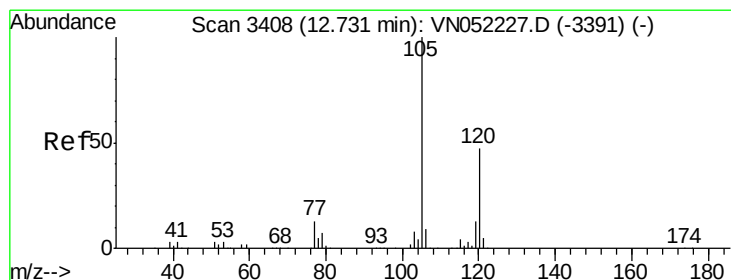
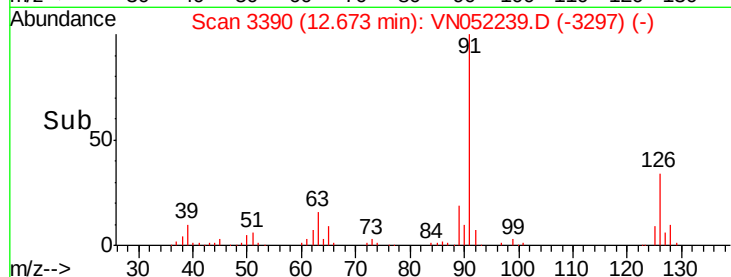
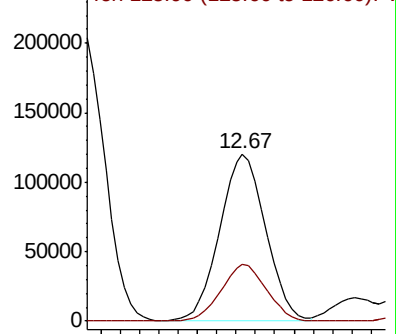
Ion Ratio Lower Upper

91 100

126 33.6 17.0 51.0



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



#80

1,3,5-Trimethylbenzene

Concen: 19.122 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052239.D

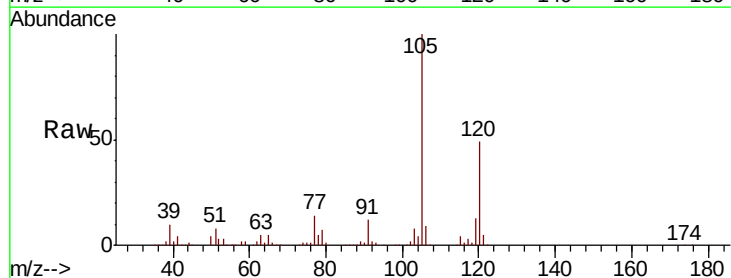
Acq: 9 Nov 2018 20:42

Tgt Ion: 105 Resp: 228597

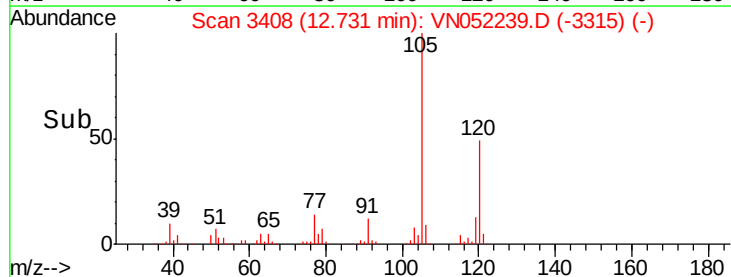
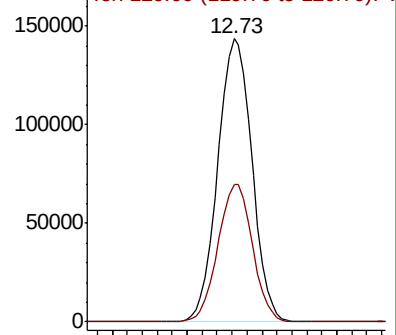
Ion Ratio Lower Upper

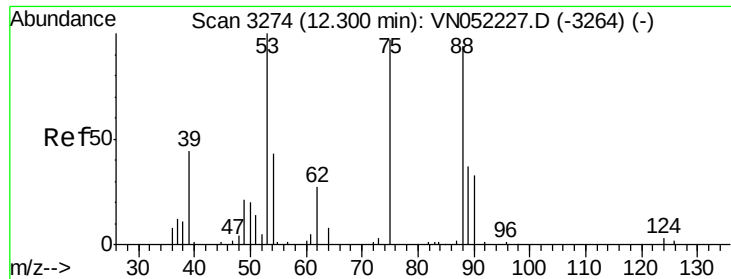
105 100

120 48.9 23.9 71.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.668 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

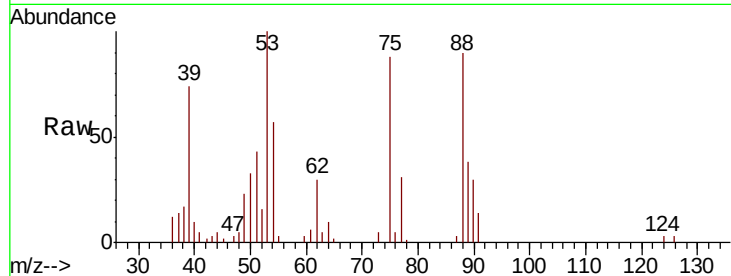
Tot Ion: 75 Resp: 16840

Ion Ratio Lower Upper

75 100

53 119.0 84.0 126.0

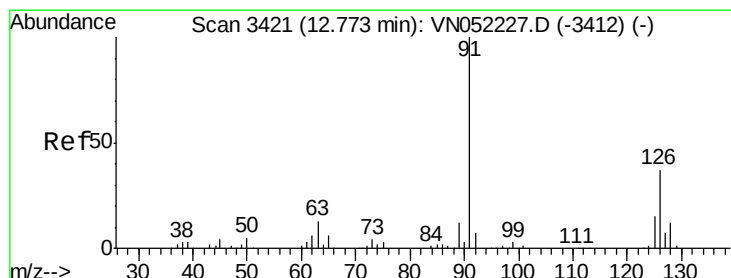
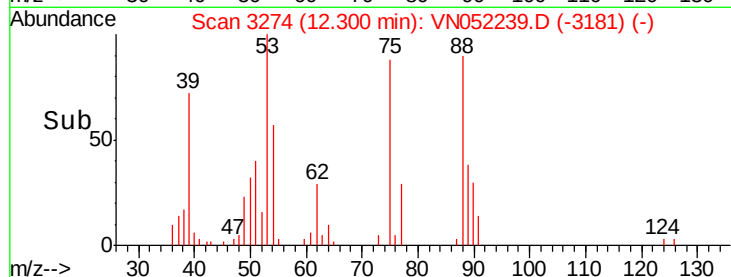
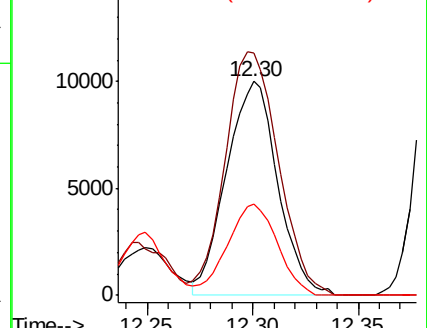
89 41.7 33.7 50.5



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052227.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052227.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 19.602 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052239.D

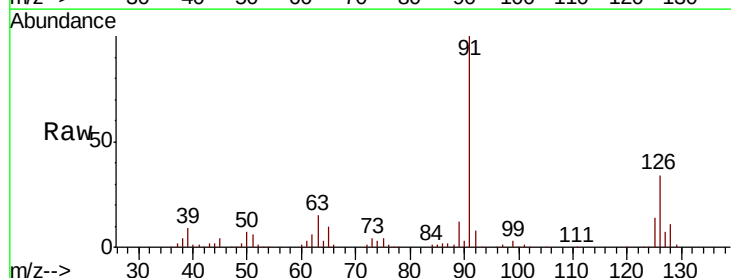
Acq: 9 Nov 2018 20:42

Tgt Ion: 91 Resp: 200607

Ion Ratio Lower Upper

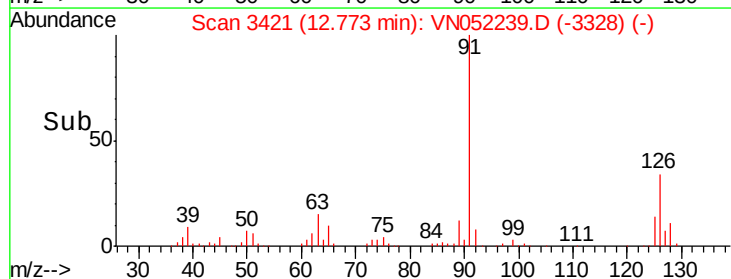
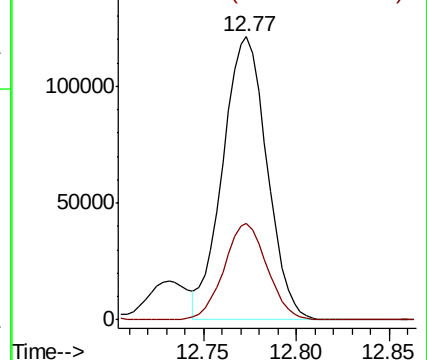
91 100

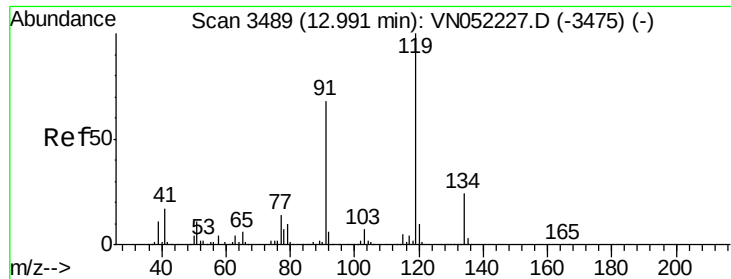
126 33.2 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN052227.D (-3412) (-)

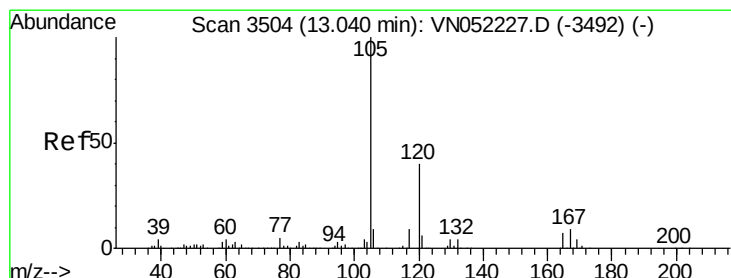
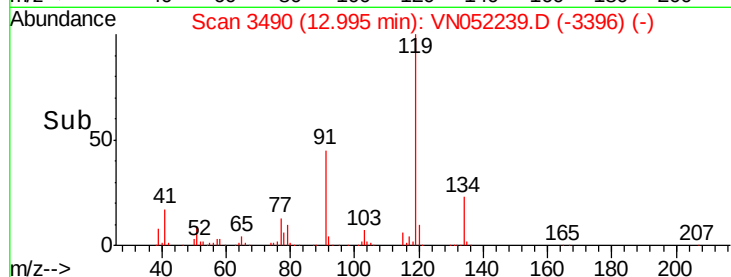
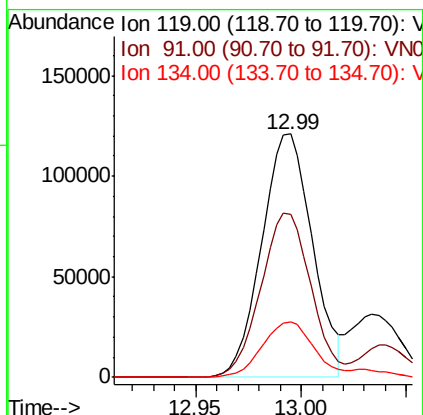
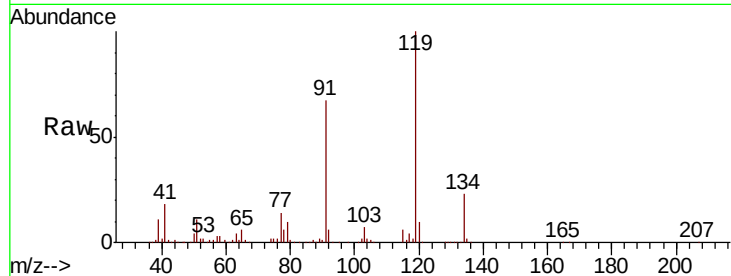




#83
 tert-Butylbenzene
 Concen: 19.405 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

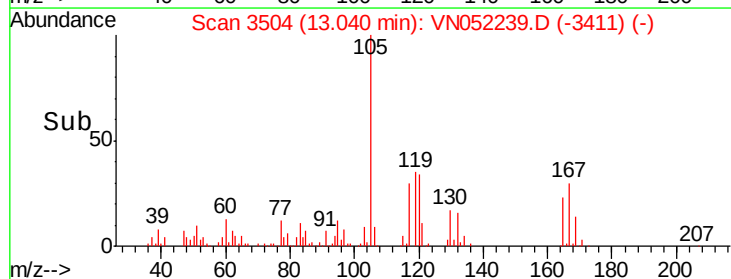
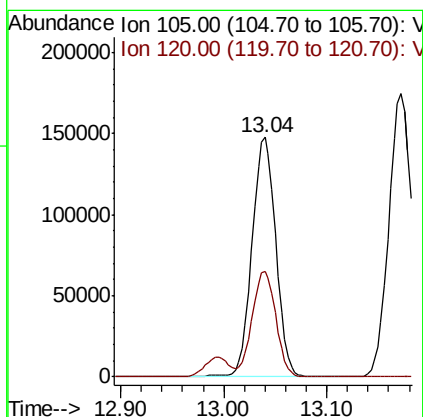
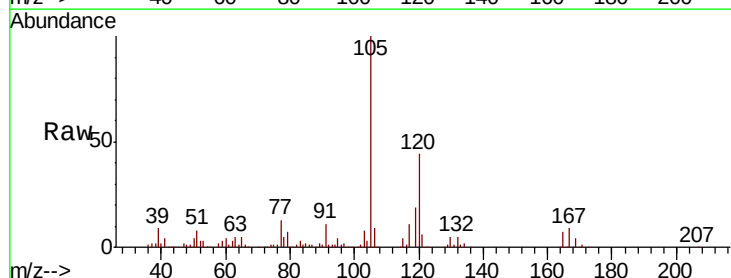
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

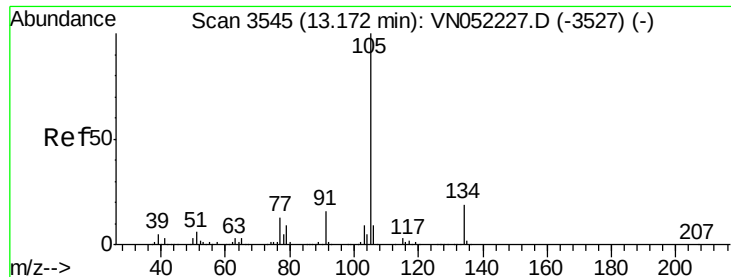
Tot Ion:119 Resp: 202532
 Ion Ratio Lower Upper
 119 100
 91 66.6 33.5 100.4
 134 23.1 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.600 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion:105 Resp: 236249
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.7 68.1

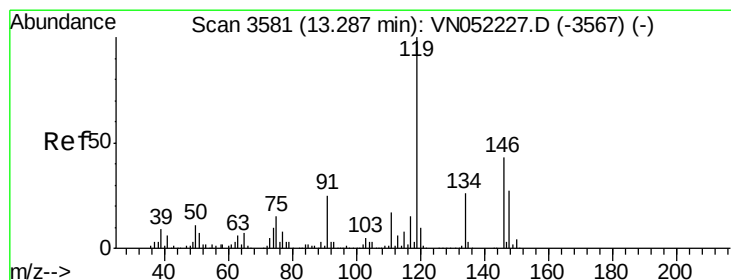
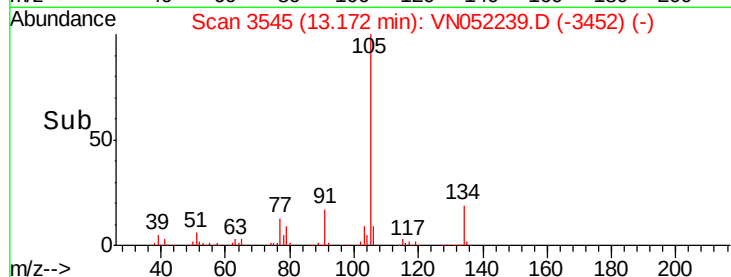
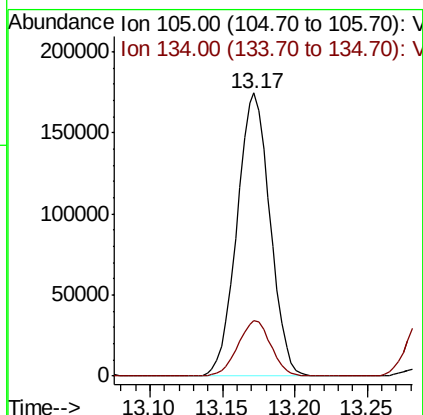
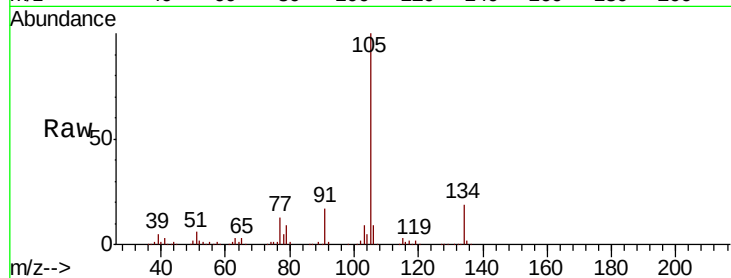




#85
 sec-Butylbenzene
 Concen: 19.282 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

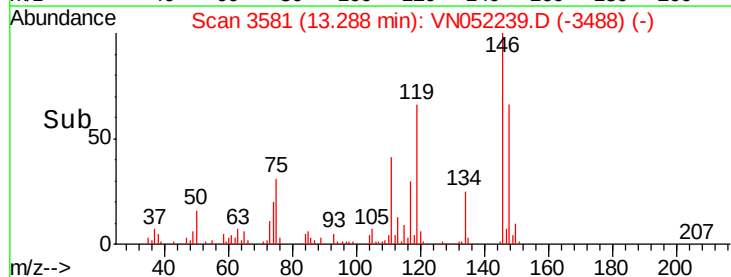
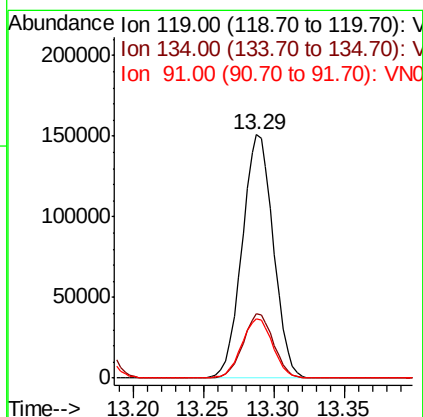
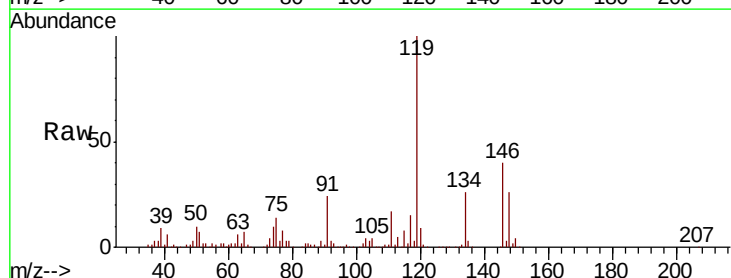
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

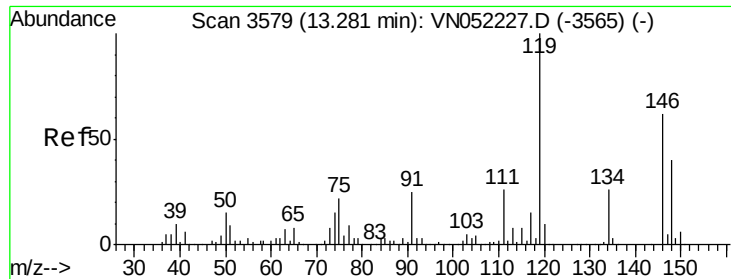
Tot Ion:105 Resp: 275974
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 19.541 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion:119 Resp: 233981
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.2 39.6
 91 24.4 12.4 37.0

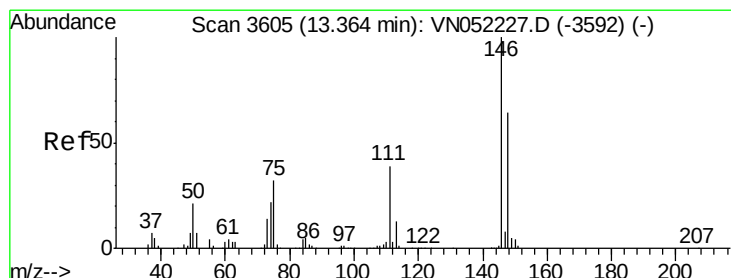
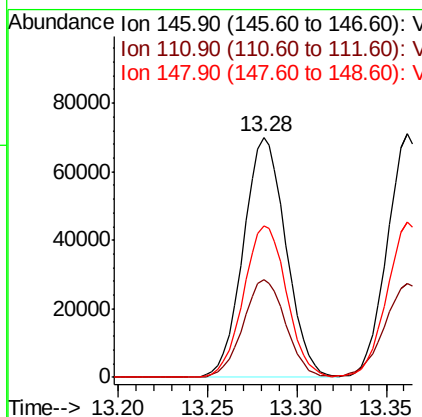
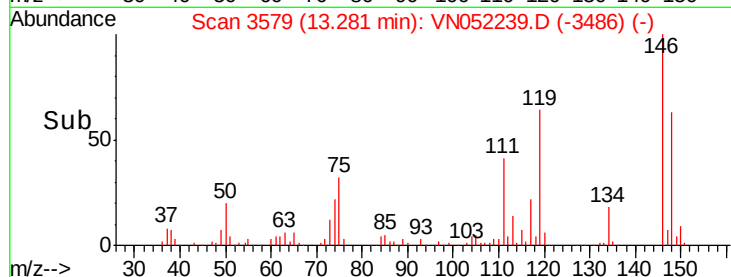
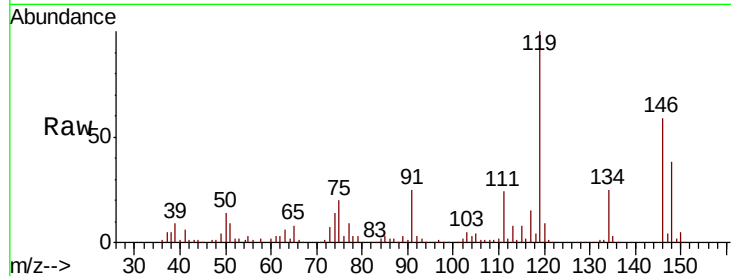




#87
 1,3-Dichlorobenzene
 Concen: 19.118 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

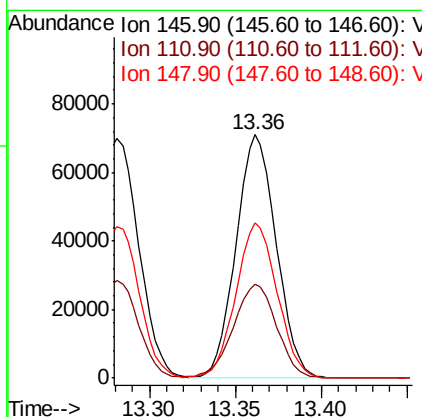
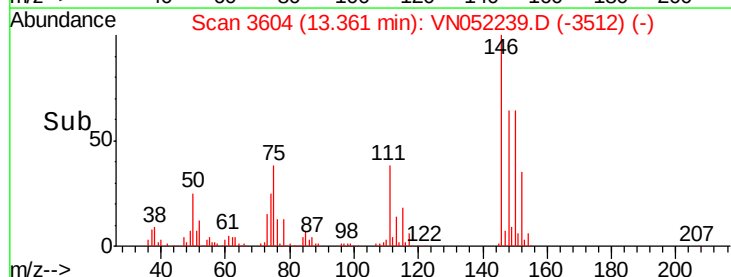
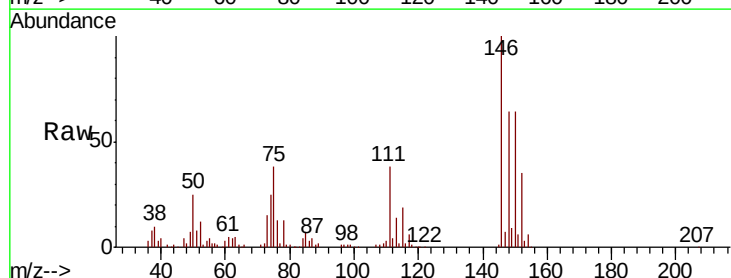
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

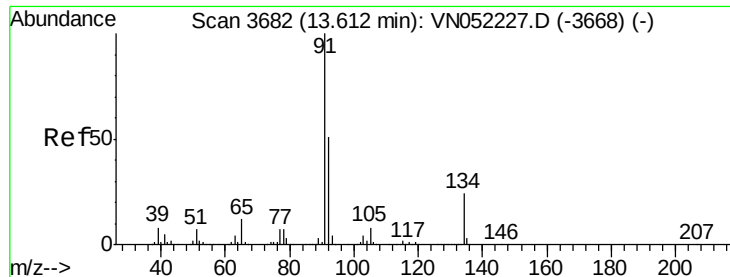
Tot Ion:146 Resp: 117105
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.1 60.3
 148 63.8 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 18.784 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion:146 Resp: 115187
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.2 60.6
 148 65.5 32.1 96.3





#89

n-Butylbenzene

Concen: 18.351 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampled :

VN1109WBSD01

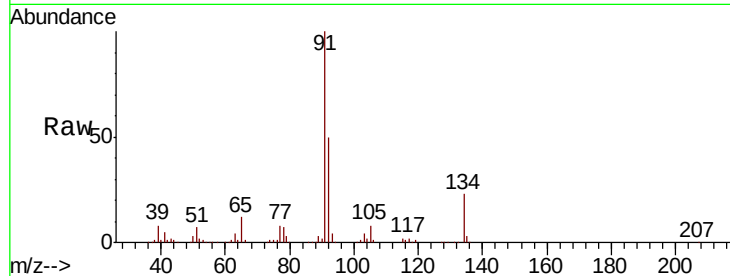
Tot Ion: 91 Resp: 195665

Ion Ratio Lower Upper

91 100

92 51.5 25.1 75.3

134 24.6 12.0 36.1

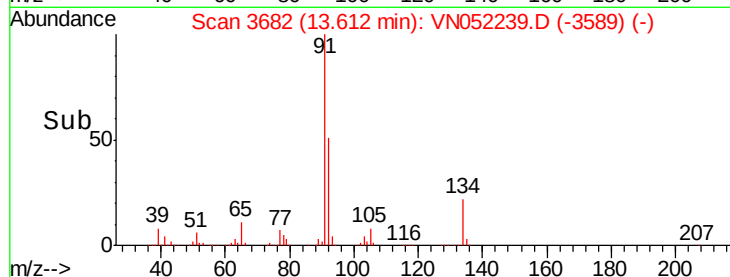


Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052227.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052227.D (-3668) (-)

Time-->

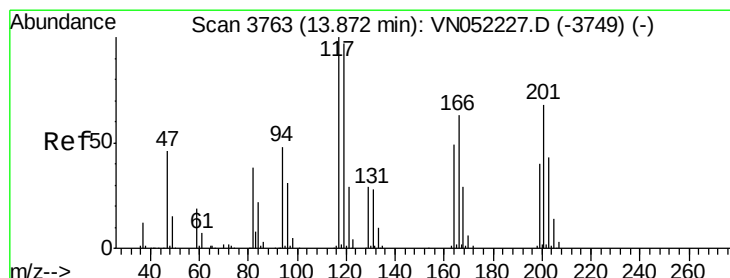


Abundance Ion 91.00 (90.70 to 91.70): VN052239.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN052239.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN052239.D (-3589) (-)

Time-->



#90

Hexachloroethane

Concen: 17.222 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN052239.D

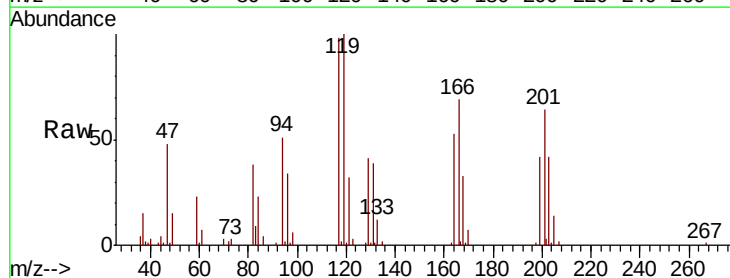
Acq: 9 Nov 2018 20:42

Tgt Ion: 117 Resp: 36195

Ion Ratio Lower Upper

117 100

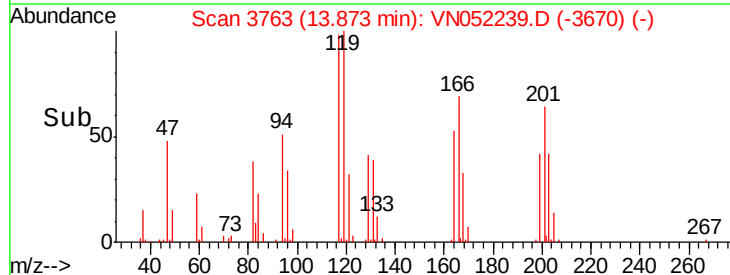
201 69.6 34.6 103.9



Abundance Ion 116.80 (116.50 to 117.50): VN052227.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052227.D (-3749) (-)

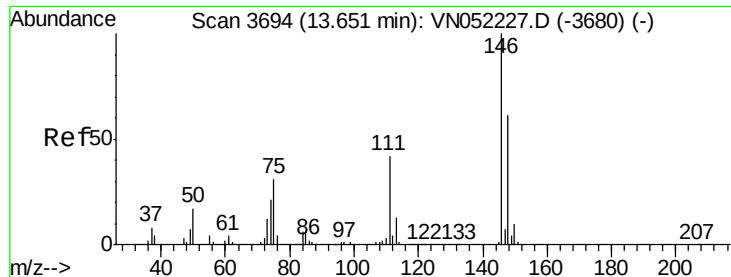
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN052239.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN052239.D (-3670) (-)

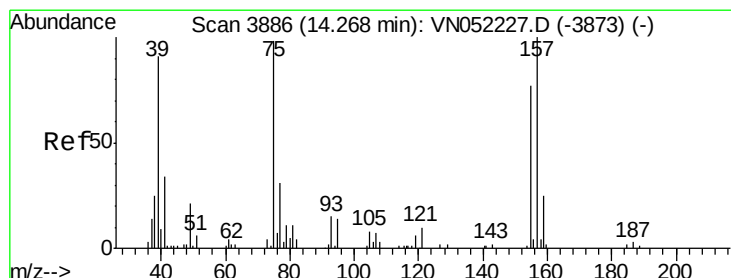
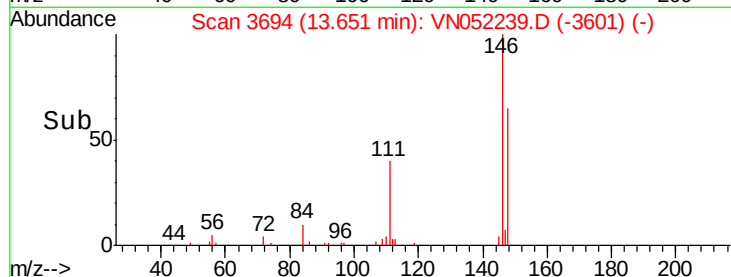
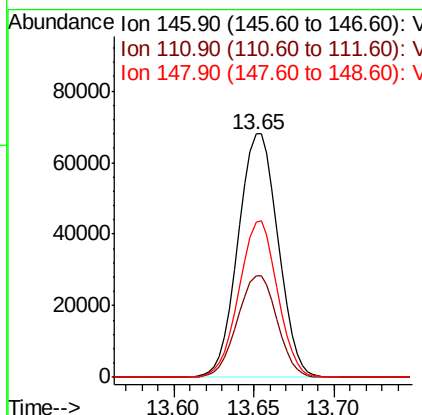
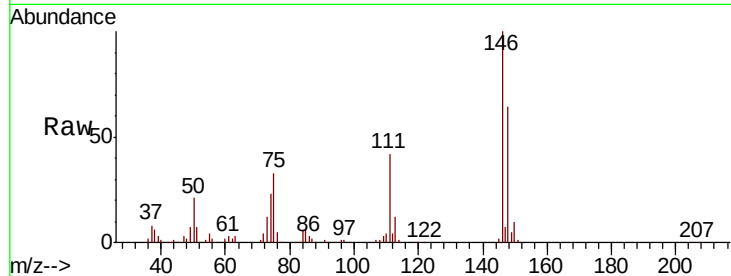
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 19.361 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

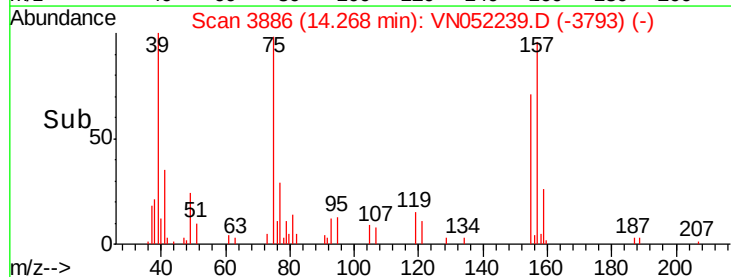
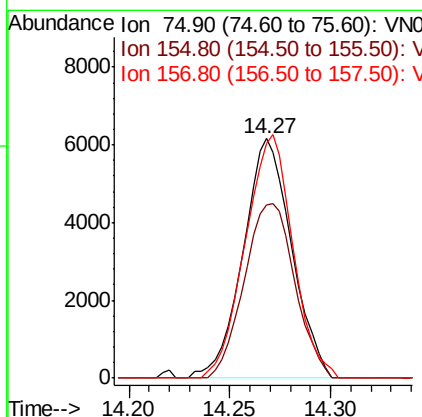
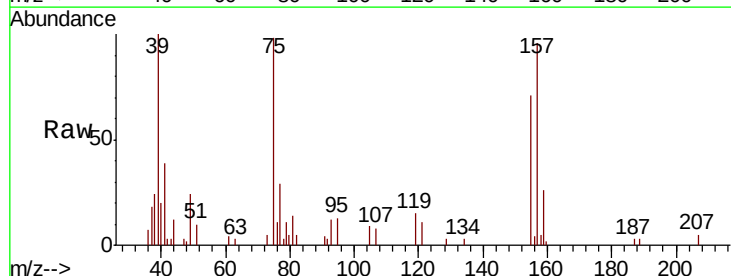
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1109WBSD01

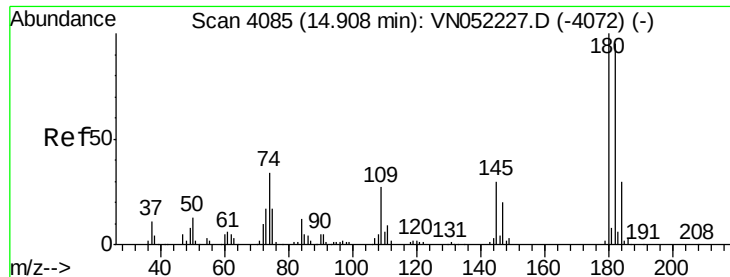
Tot Ion:146 Resp: 115740
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.1 63.3
 148 61.9 31.3 93.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.723 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052239.D
 Acq: 9 Nov 2018 20:42

Tgt Ion: 75 Resp: 10333
 Ion Ratio Lower Upper
 75 100
 155 75.9 40.2 120.5
 157 100.1 51.7 155.2





#93

1,2,4-Trichlorobenzene

Concen: 20.253 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

Instrument :

MSVOA_N

ClientSampleId :

VN1109WBSD01

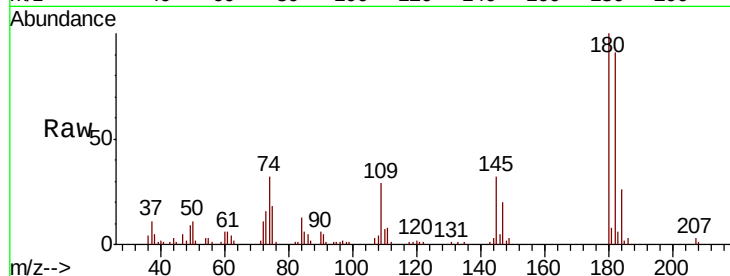
Tot Ion:180 Resp: 47874

Ion Ratio Lower Upper

180 100

182 95.3 47.3 142.0

145 31.1 15.6 46.8

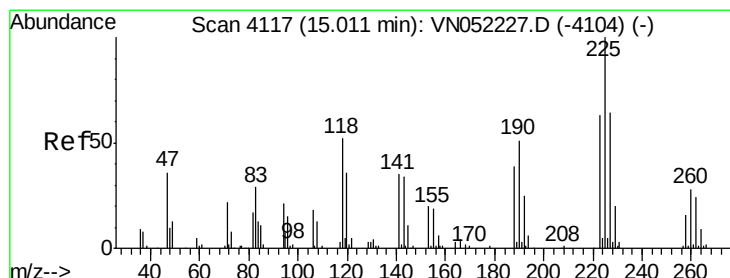
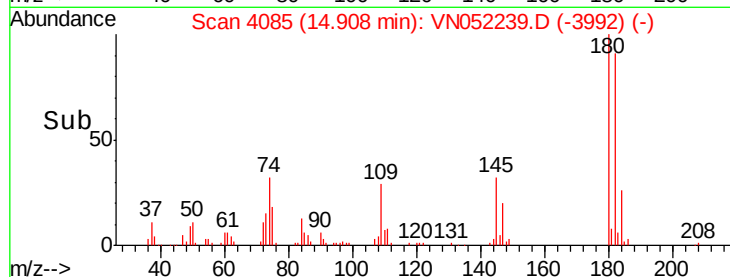
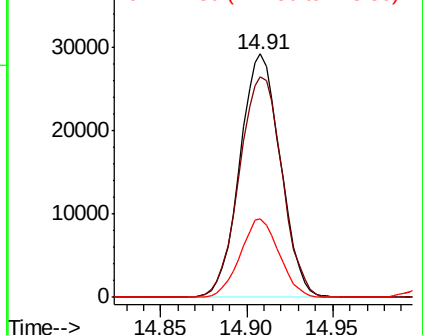


Abundance

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: 20.110 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN052239.D

Acq: 9 Nov 2018 20:42

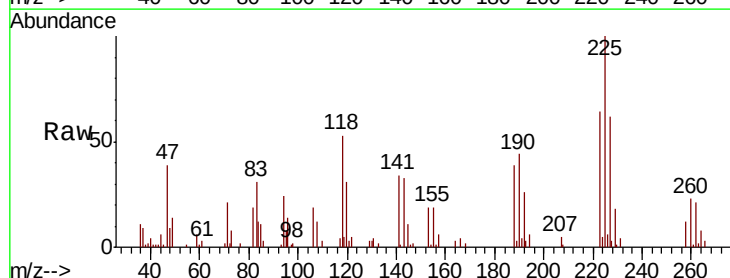
Tgt Ion:225 Resp: 25831

Ion Ratio Lower Upper

225 100

223 60.9 32.1 96.3

227 62.5 31.8 95.4

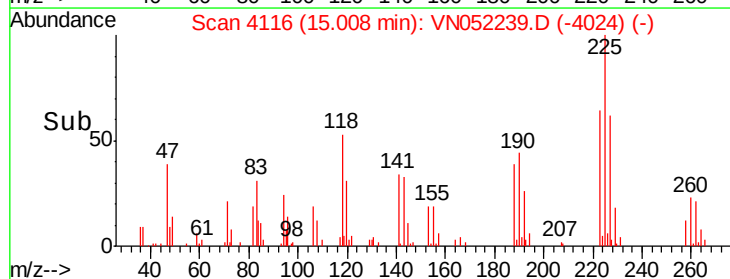
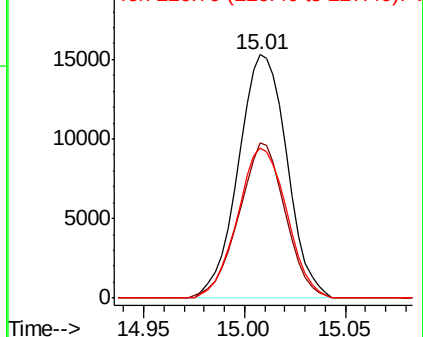


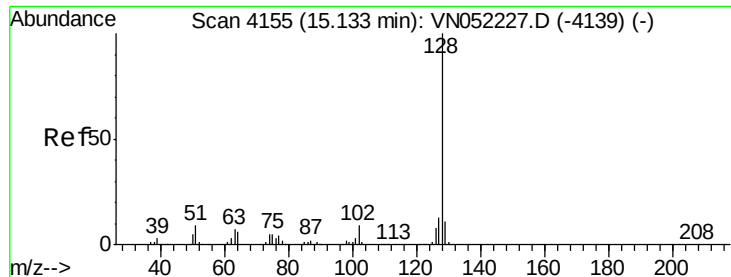
Abundance

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

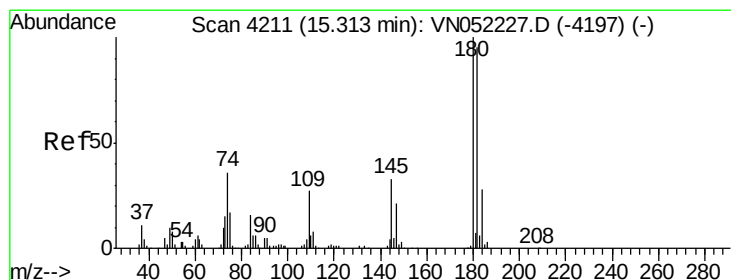
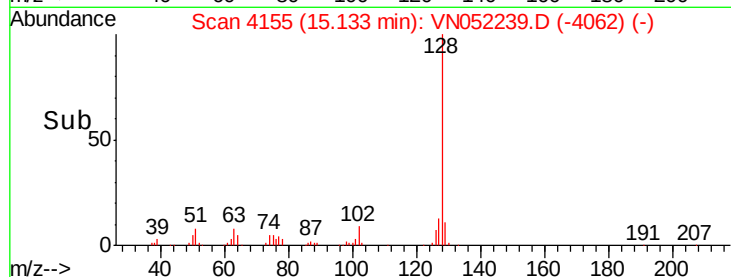
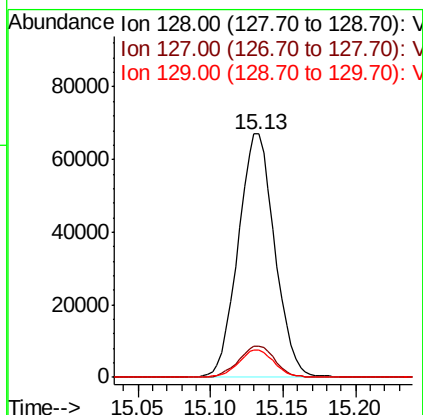
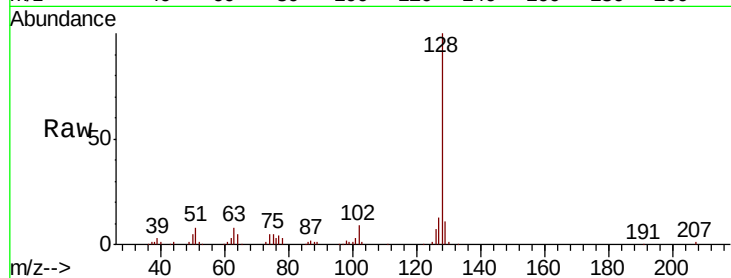




#95
Naphthalene
Concen: 20.143 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Instrument :
MSVOA_N
ClientSampleId :
VN1109WBSD01

Tot Ion:128 Resp: 117353
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.981 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052239.D
Acq: 9 Nov 2018 20:42

Tgt Ion:180 Resp: 44657
Ion Ratio Lower Upper
180 100
182 95.1 47.7 143.1
145 31.7 16.8 50.3

