

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051275.D
 Acq On : 17 Sep 2018 17:24
 Operator : MD\SY
 Sample : J4773-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 09:28:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	439261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	640190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	534113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	168079	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	235298	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
35) Dibromofluoromethane	7.59	113	251928	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
50) Toluene-d8	10.09	98	848355	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.40	95	221396	37.85	ug/l	0.00
Spiked Amount			Recovery	=	75.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2601	Below Cal		99
5) Bromomethane	2.58	94	3002	1.40 ug/l		98
10) Methyl Iodide	3.96	142	1145	6.31 ug/l #		64
11) Tert butyl alcohol	4.79	59	386	1.47 ug/l #		73
13) Acrolein	3.62	56	30	10.41 ug/l #		14
14) Allyl chloride	4.55	41	105969	16.14 ug/l #		27
16) Acetone	3.83	43	14079	3.44 ug/l		91
17) Carbon Disulfide	4.06	76	5504	0.30 ug/l		99
18) Methyl Acetate	4.33	43	7125	1.47 ug/l #		83
20) Methylene Chloride	4.55	84	3086922	590.80 ug/l		99
25) 2-Butanone	6.86	43	5574	3.64 ug/l #		79
28) Bromochloromethane	7.20	49	1338	0.36 ug/l #		8
29) Tetrahydrofuran	7.23	42	1004	1.06 ug/l #		59
30) Chloroform	7.37	83	3817	0.44 ug/l #		82
31) Cyclohexane	7.66	56	6887	0.83 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	27618	3.99 ug/l #		49
37) Ethyl Acetate	6.86	43	5574	1.56 ug/l #		66
38) Carbon Tetrachloride	7.67	117	37523	5.19 ug/l #		17
43) Isopropyl Acetate	8.17	43	164608	26.70 ug/l		100
48) Methyl methacrylate	9.18	41	4656	1.57 ug/l #		17
51) 4-Methyl-2-Pentanone	9.98	43	1248	0.39 ug/l #		77
52) Toluene	10.16	92	3461	0.28 ug/l		94
54) cis-1,3-Dichloropropene	9.90	75	1647	0.22 ug/l #		65
56) Ethyl methacrylate	10.23	69	1037	2.24 ug/l #		33
59) 2-Hexanone	10.76	43	11704	5.59 ug/l		66
68) m/p-Xylenes	11.63	106	3181	0.39 ug/l		86
69) o-Xylene	11.95	106	1712	0.22 ug/l		85
70) Styrene	11.96	104	1889	1.38 ug/l		92
74) N-amyl acetate	12.08	43	1337	0.46 ug/l #		57
75) 1,1,2,2-Tetrachloroethane	12.51	83	339	Below Cal #		45
76) 1,2,3-Trichloropropane	12.40	75	100275	43.27 ug/l #		100
77) Bromobenzene	12.53	156	834	Below Cal		90
78) n-propylbenzene	12.59	91	4304	0.28 ug/l		98
79) 2-Chlorotoluene	12.67	91	2069	0.21 ug/l		73

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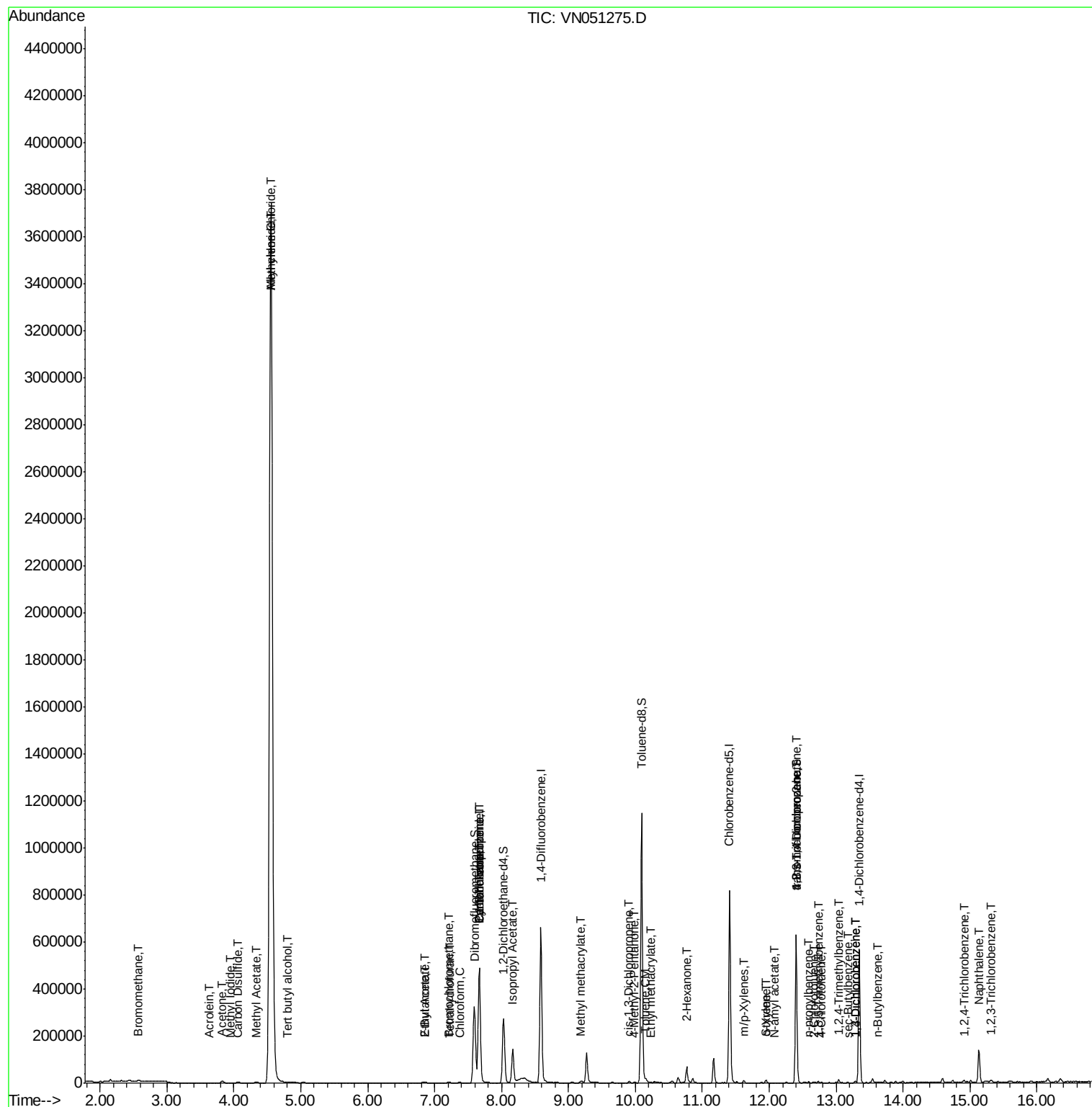
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	3562	0.31	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	100275	132.50	ug/l #	15
82) 4-Chlorotoluene	12.77	91	2203	0.24	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	7670	0.70	ug/l	97
85) sec-Butylbenzene	13.17	105	2590	0.20	ug/l	91
87) 1,3-Dichlorobenzene	13.28	146	2219	0.35	ug/l	89
88) 1,4-Dichlorobenzene	13.28	146	2219	0.78	ug/l	89
89) n-Butylbenzene	13.62	91	2984	2.34	ug/l	90
90) Hexachloroethane	13.89	117	512	Below Cal	#	1
91) 1,2-Dichlorobenzene	13.65	146	1990	Below Cal		92
93) 1,2,4-Trichlorobenzene	14.91	180	3511	6.15	ug/l	84
94) Hexachlorobutadiene	15.00	225	1791	Below Cal		95
95) Naphthalene	15.13	128	129380	27.61	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	3925	5.21	ug/l	89

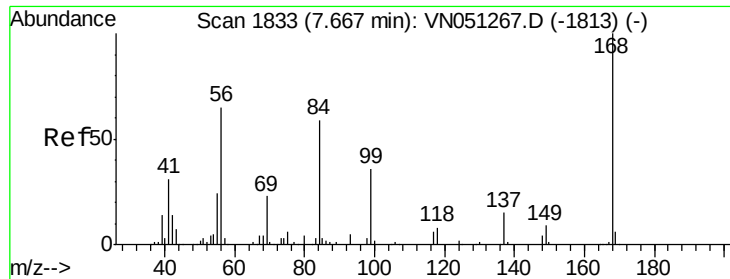
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 18 06:04:06 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

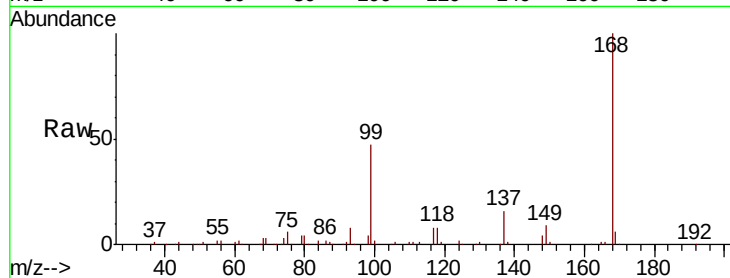
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 439261

Ion Ratio Lower Upper

168 100

99 47.4 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

100000

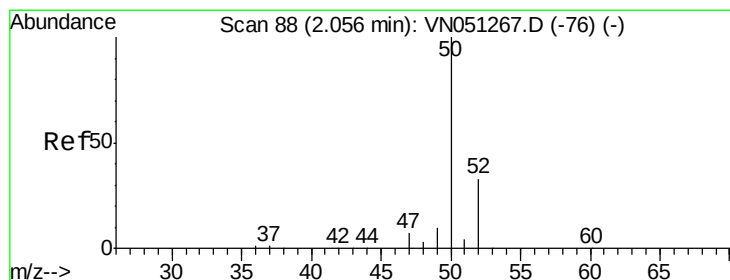
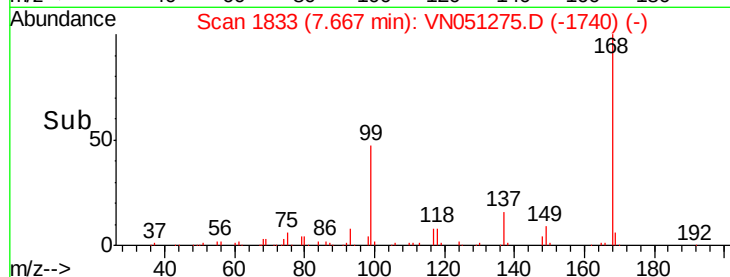
50000

0

7.60

7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051275.D

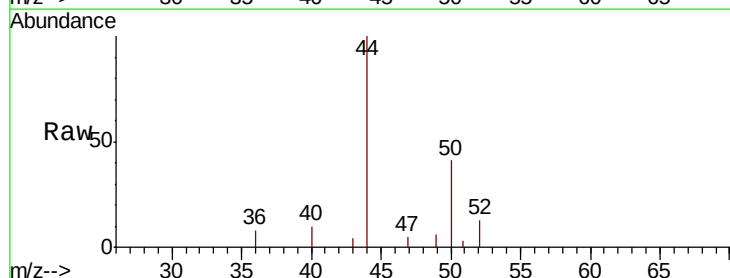
Acq: 17 Sep 2018 17:24

Tgt Ion: 50 Resp: 2601

Ion Ratio Lower Upper

50 100

52 32.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2000

1500

1000

500

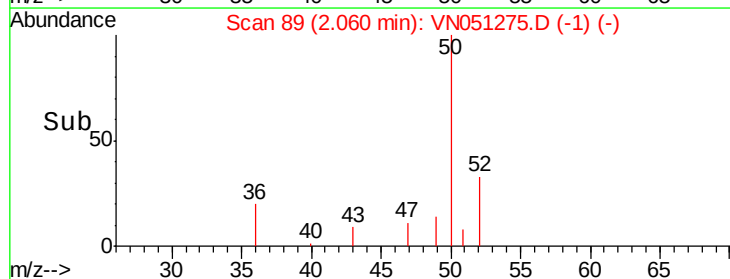
0

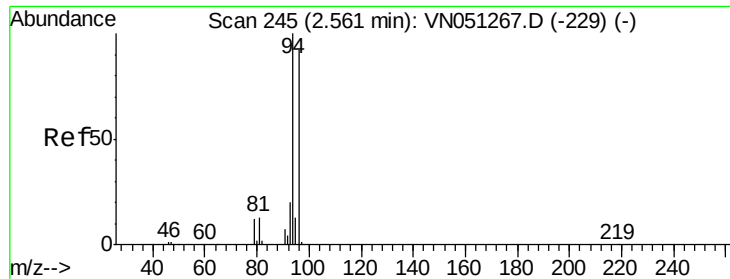
2.00

2.05

2.10

Time-->





#5

Bromomethane

Concen: 1.40 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.02 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

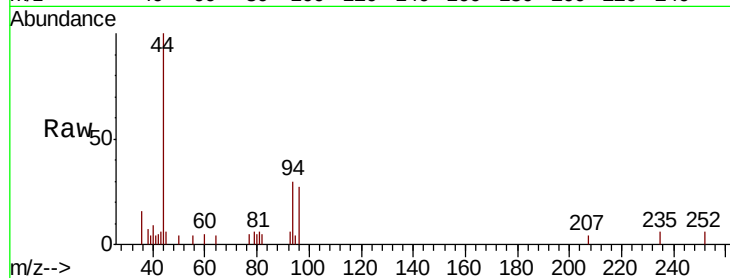
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 3002

Ion Ratio Lower Upper

94 100

96 90.8 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN051275.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN051275.D (-152) (-)

2.58

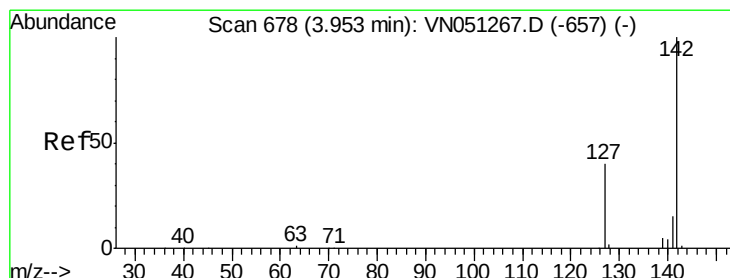
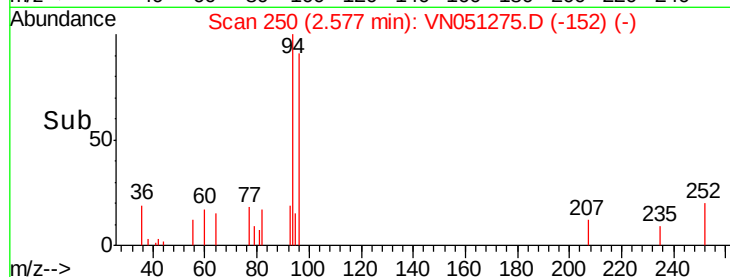
1500

1000

500

0

Time--> 2.50 2.55 2.60 2.65



#10

Methyl Iodide

Concen: 6.31 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

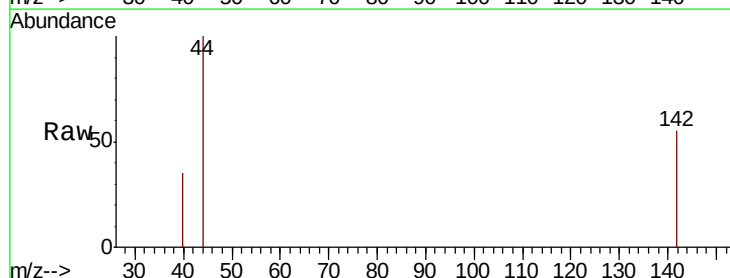
Tgt Ion: 142 Resp: 1145

Ion Ratio Lower Upper

142 100

127 17.4 31.7 47.5#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN051275.D (-585) (-)

Ion 126.80 (126.50 to 127.50): VN051275.D (-585) (-)

Ion 140.80 (140.50 to 141.50): VN051275.D (-585) (-)

3.96

600

500

400

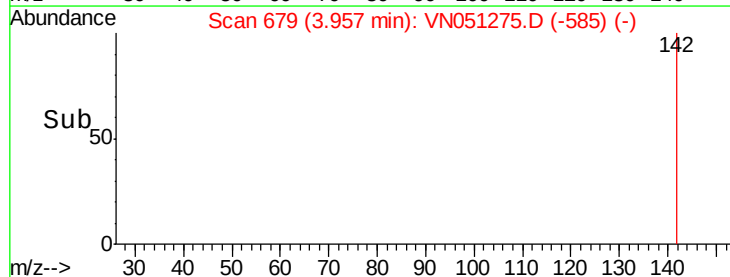
300

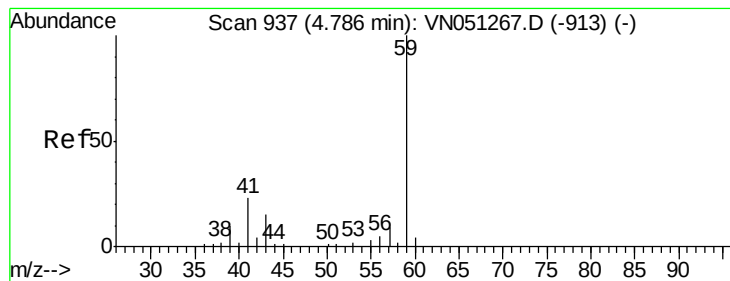
200

100

0

Time--> 3.90 3.95 4.00



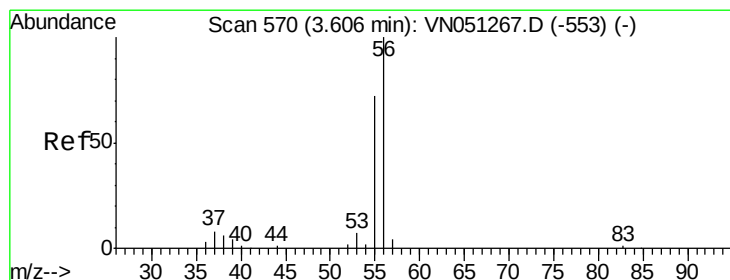
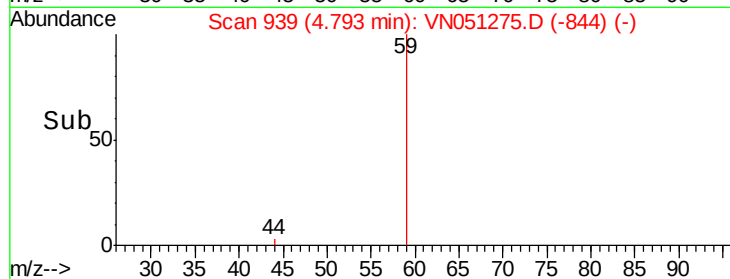
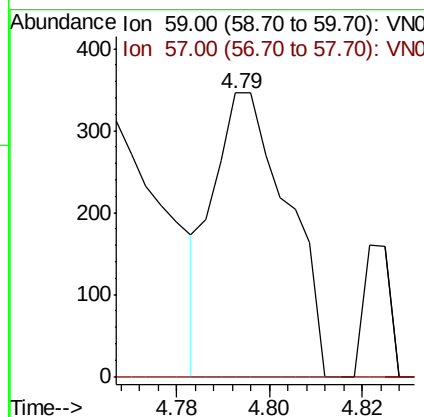
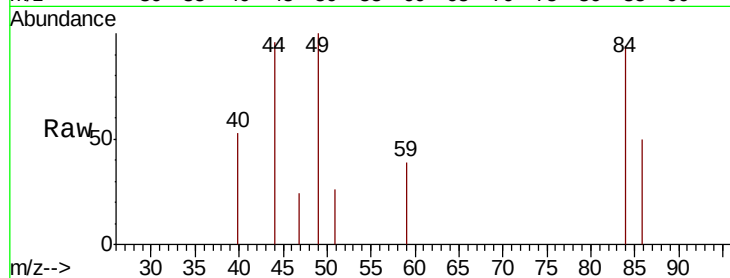


#11

Tert butyl alcohol
 Concen: 1.47 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051275.D
 Acq: 17 Sep 2018 17:24

Instrument :
 MSVOA_N
 ClientSampleId :

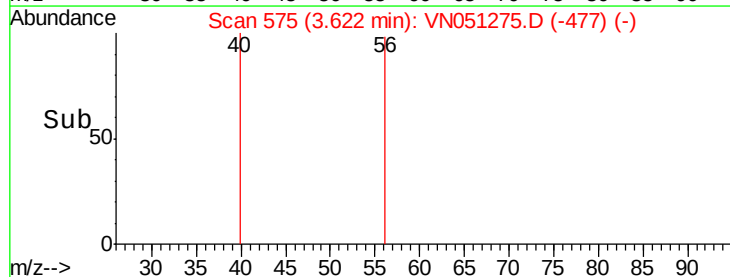
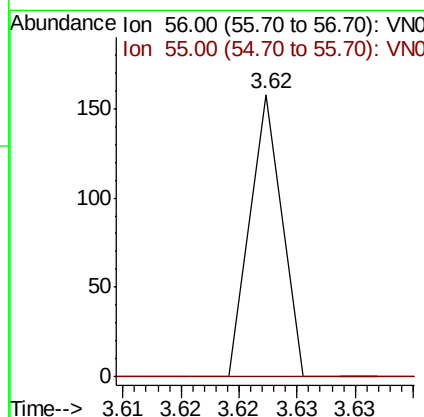
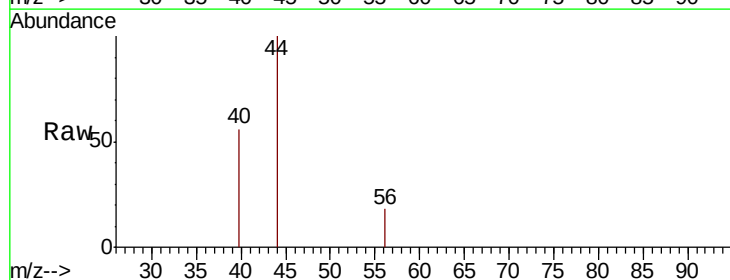
Tot Ion: 59 Resp: 386
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

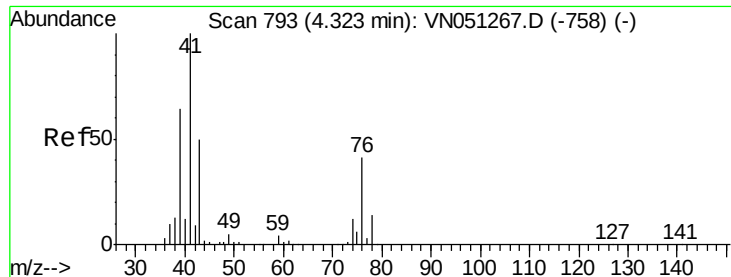


#13

Acrolein
 Concen: 10.41 ug/l
 RT: 3.62 min Scan# 575
 Delta R.T. 0.02 min
 Lab File: VN051275.D
 Acq: 17 Sep 2018 17:24

Tgt Ion: 56 Resp: 30
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.4 84.6#





#14

Allvl chloride

Concen: 16.14 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.23 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA_N

ClientSampleId :

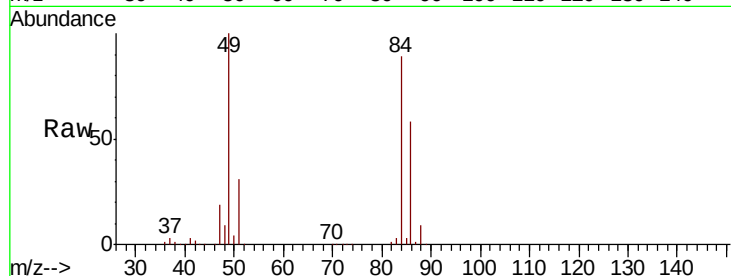
Tot Ion: 41 Resp: 105969

Ion Ratio Lower Upper

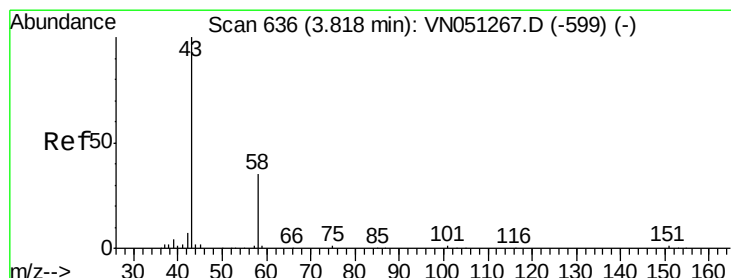
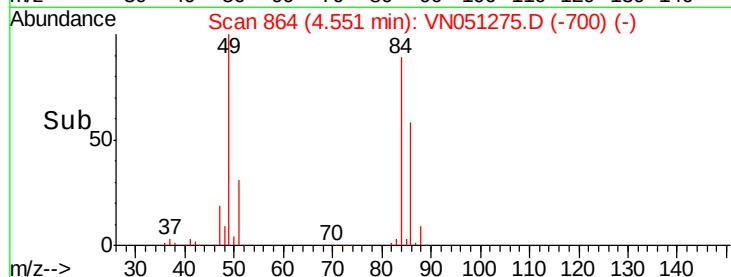
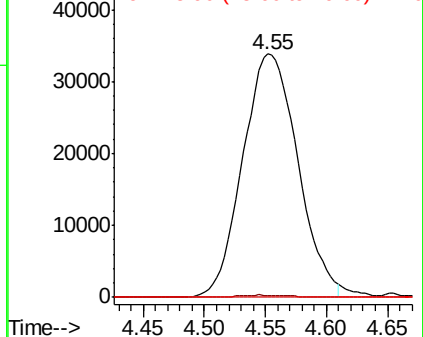
41 100

39 0.7 49.0 73.4#

76 0.0 31.4 47.0#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO



#16

Acetone

Concen: 3.44 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051275.D

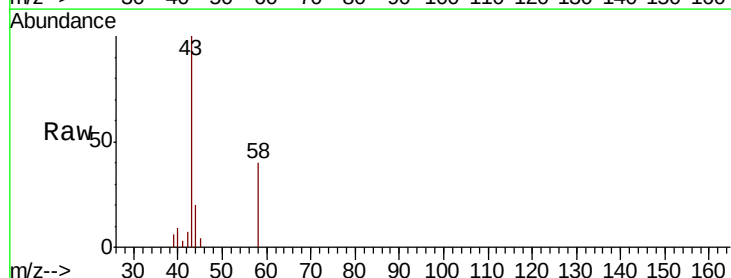
Acq: 17 Sep 2018 17:24

Tgt Ion: 43 Resp: 14079

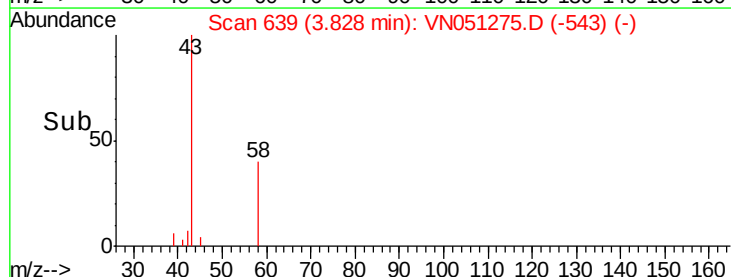
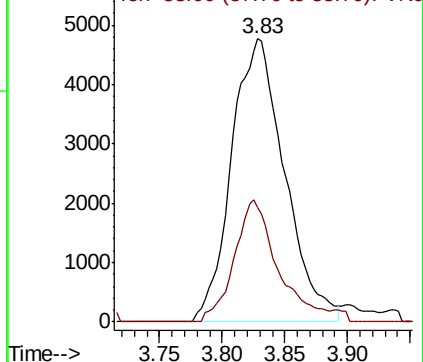
Ion Ratio Lower Upper

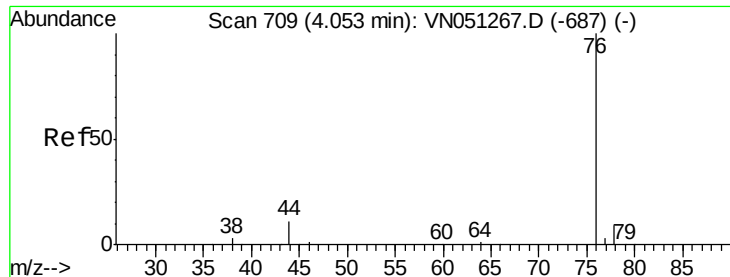
43 100

58 40.4 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

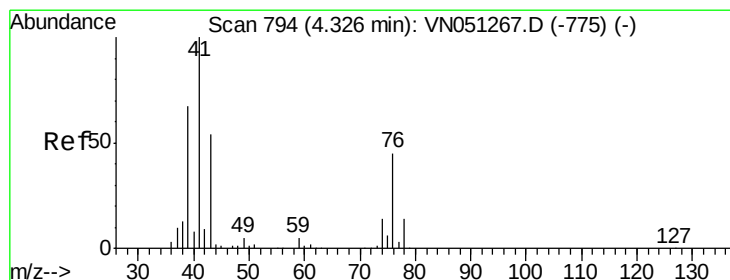
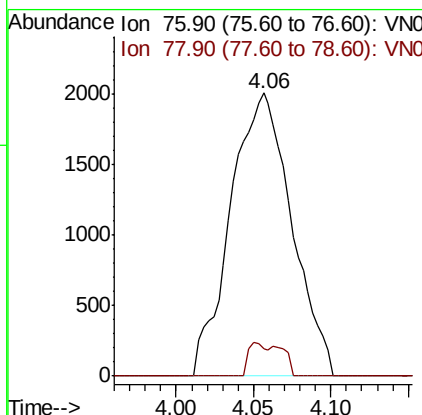
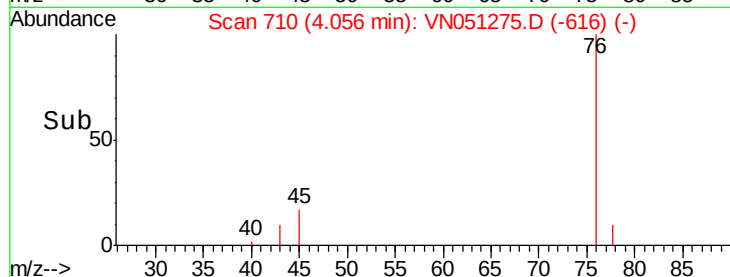
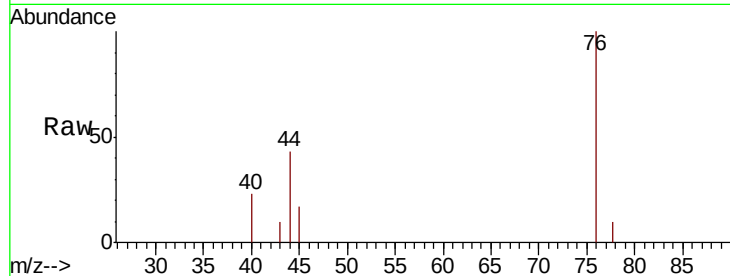




#17
Carbon Disulfide
Concen: 0.30 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN051275.D
Acq: 17 Sep 2018 17:24

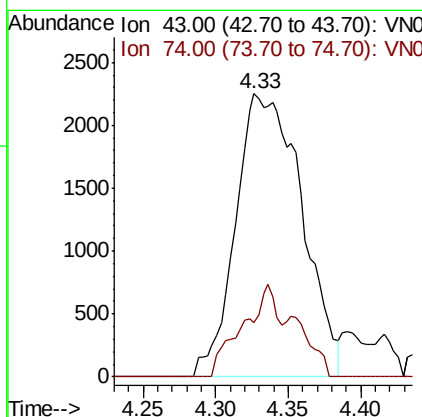
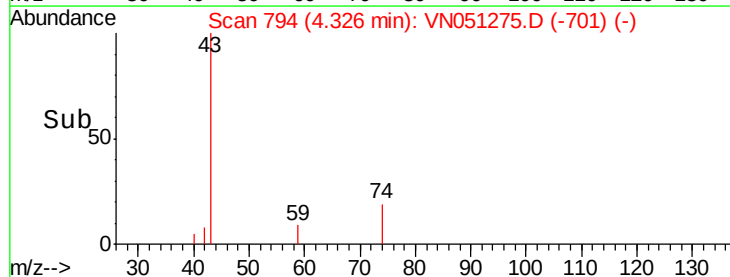
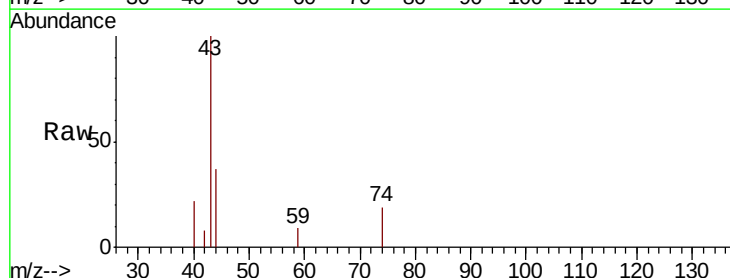
Instrument :
MSVOA_N
ClientSampled :

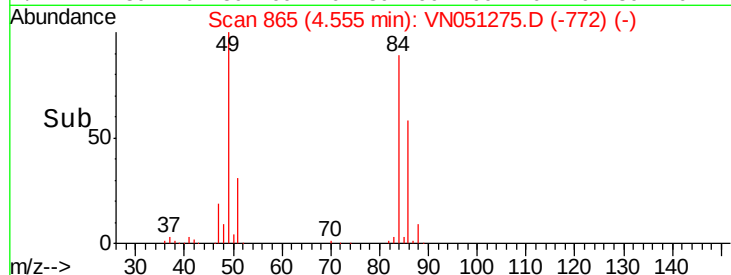
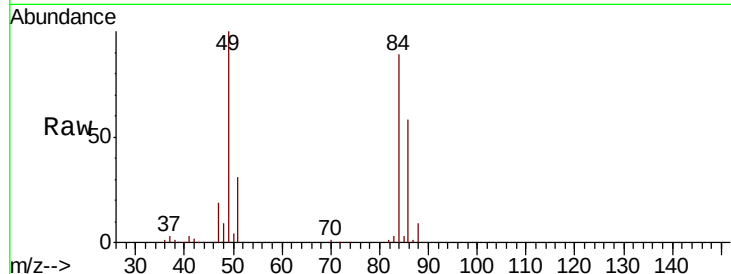
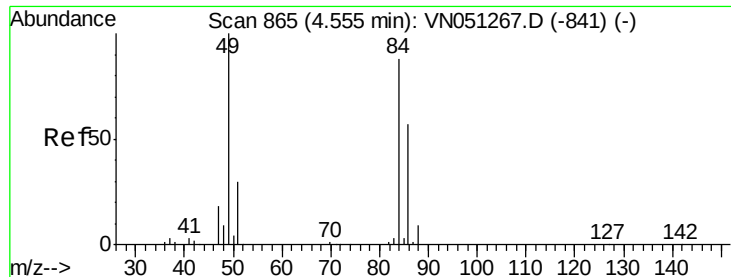
Tot Ion: 76 Resp: 5504
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#18
Methyl Acetate
Concen: 1.47 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051275.D
Acq: 17 Sep 2018 17:24

Tgt Ion: 43 Resp: 7125
Ion Ratio Lower Upper
43 100
74 17.4 20.8 31.2#



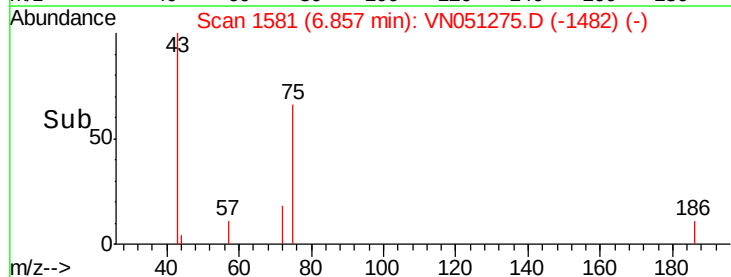
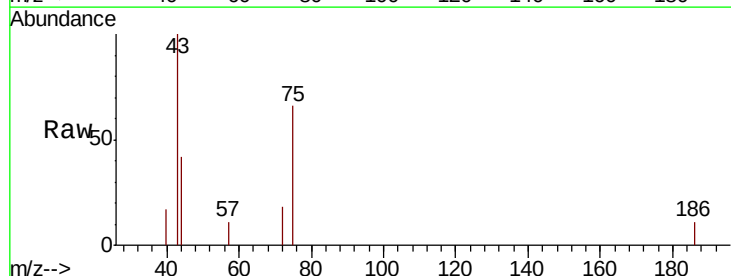
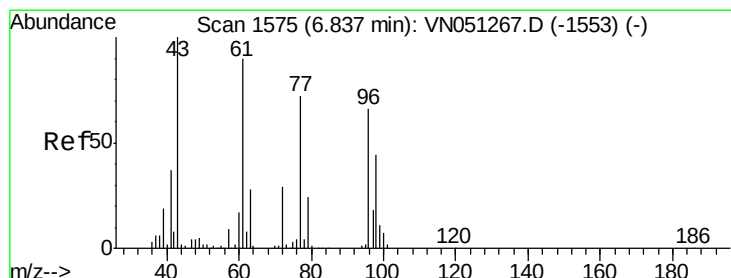
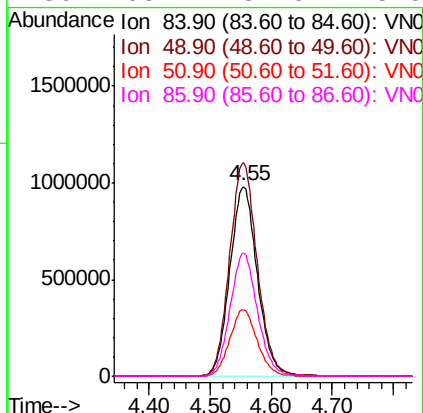


#20
Methylene Chloride
Concen: 590.80 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051275.D
Acq: 17 Sep 2018 17:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 3086922

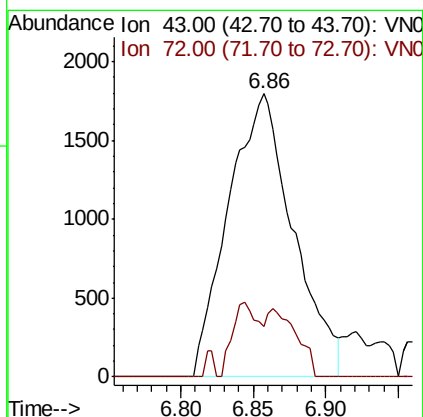
Ion	Ratio	Lower	Upper
84	100		
49	112.5	91.2	136.8
51	35.4	27.7	41.5
86	65.1	52.0	78.0

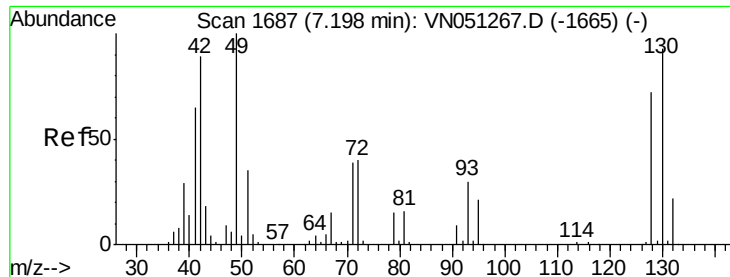


#25
2-Butanone
Concen: 3.64 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VN051275.D
Acq: 17 Sep 2018 17:24

Tgt Ion: 43 Resp: 5574

Ion	Ratio	Lower	Upper
43	100		
72	17.8	23.4	35.0#

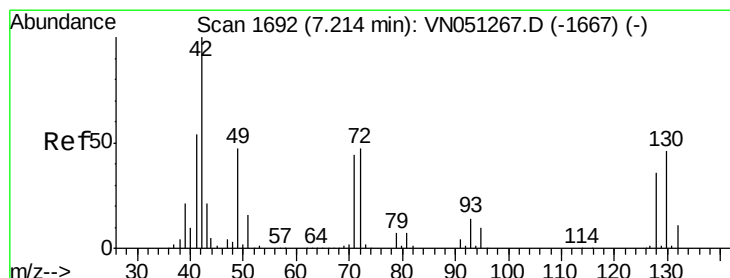
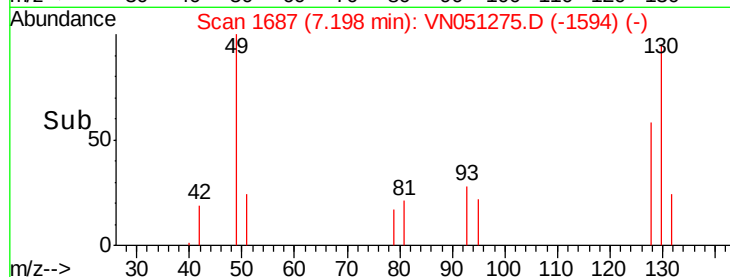
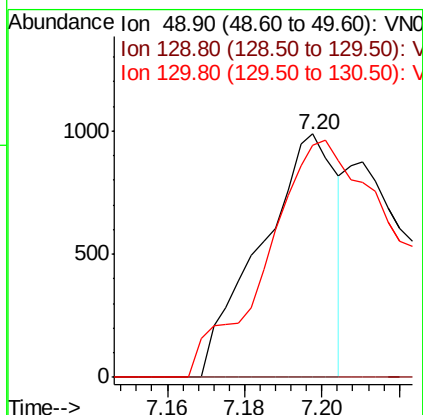
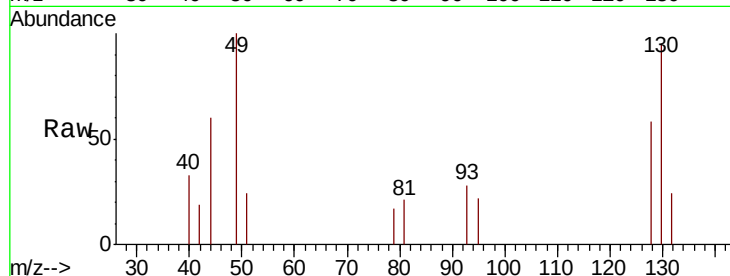




#28
Bromochloromethane
Concen: 0.36 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN051275.D
Acq: 17 Sep 2018 17:24

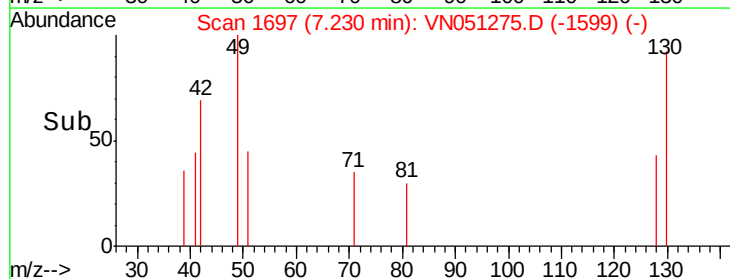
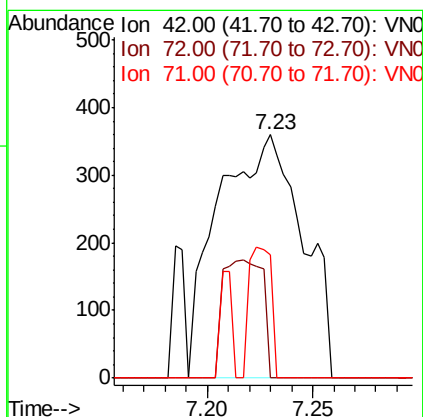
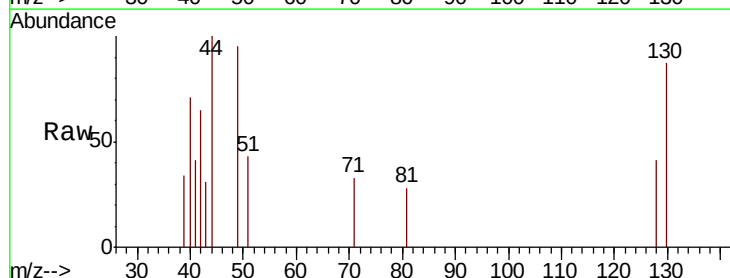
Instrument :
MSVOA_N
ClientSampled :

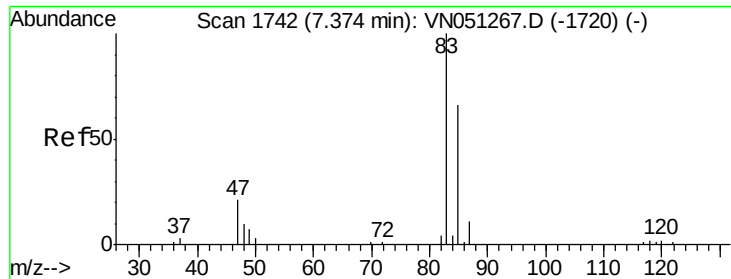
Tot Ion: 49 Resp: 1338
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 182.4 73.7 110.5#



#29
Tetrahydrofuran
Concen: 1.06 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.02 min
Lab File: VN051275.D
Acq: 17 Sep 2018 17:24

Tgt Ion: 42 Resp: 1004
Ion Ratio Lower Upper
42 100
72 22.5 37.6 56.4#
71 14.2 35.4 53.2#

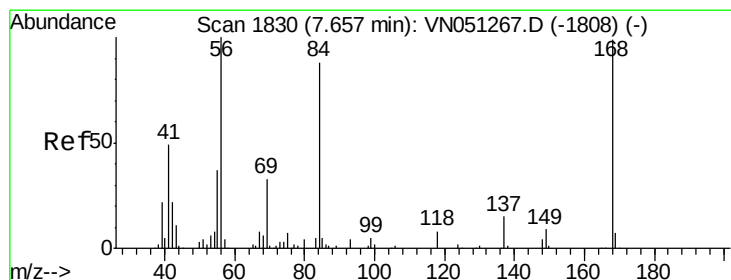
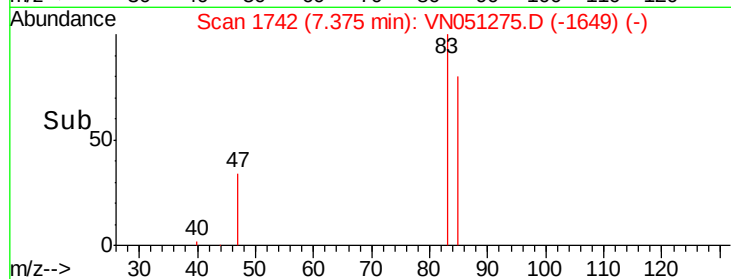
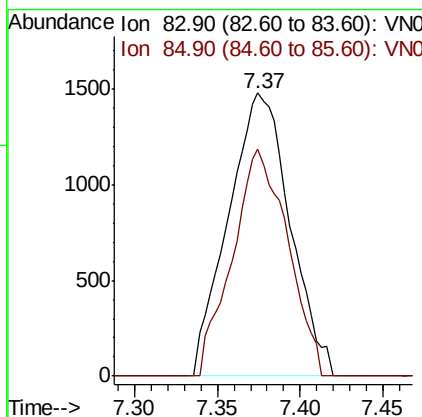
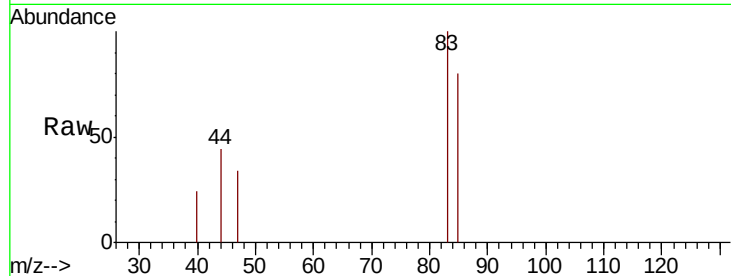




#30
Chloroform
Concen: 0.44 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051275.D
Acq: 17 Sep 2018 17:24

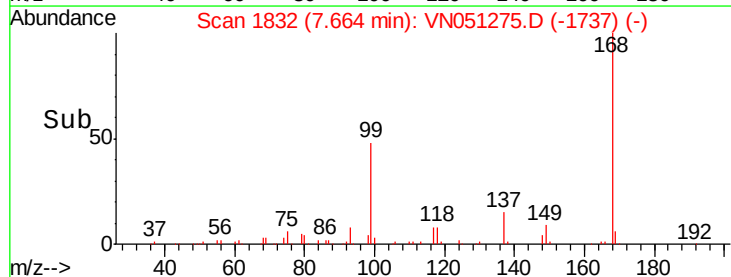
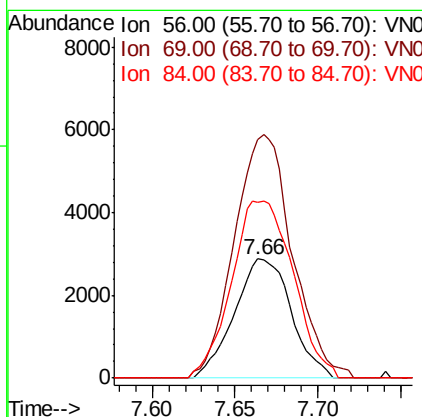
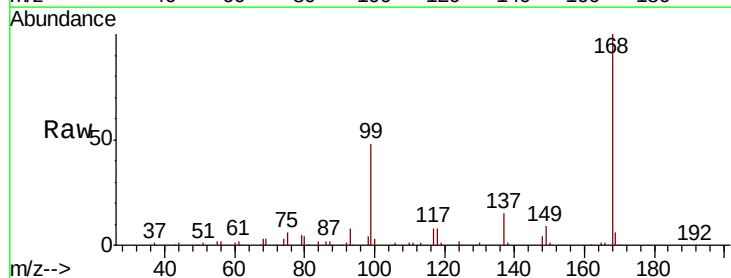
Instrument :
MSVOA_N
ClientSampleId :

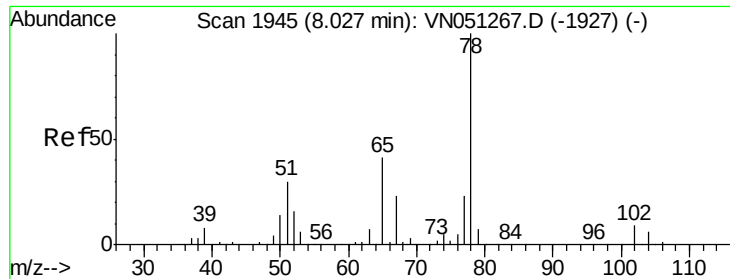
Tot Ion: 83 Resp: 3817
Ion Ratio Lower Upper
83 100
85 80.1 52.4 78.6#



#31
Cyclohexane
Concen: 0.83 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051275.D
Acq: 17 Sep 2018 17:24

Tgt Ion: 56 Resp: 6887
Ion Ratio Lower Upper
56 100
69 200.3 26.2 39.2#
84 147.5 70.6 106.0#

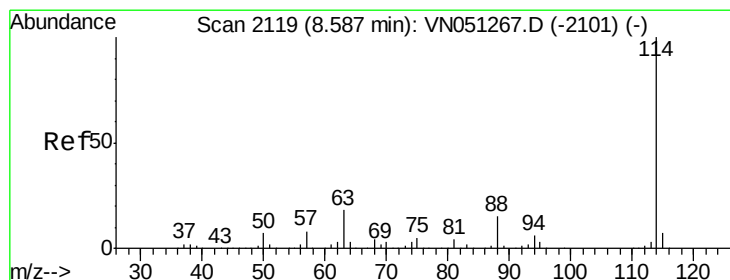
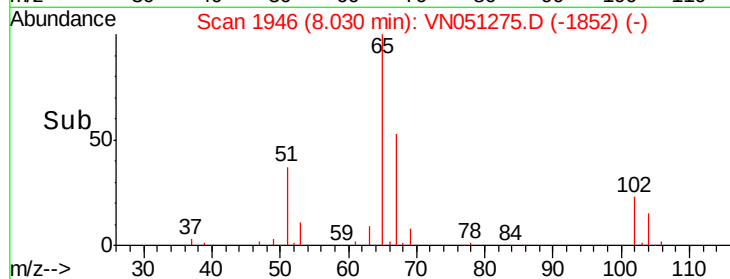
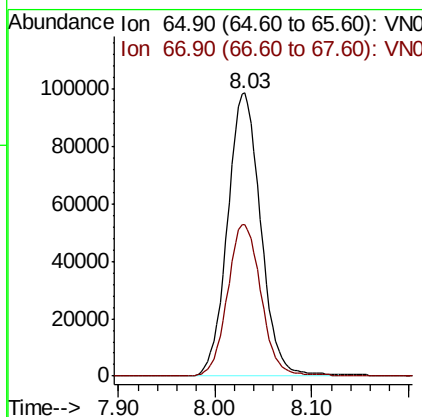
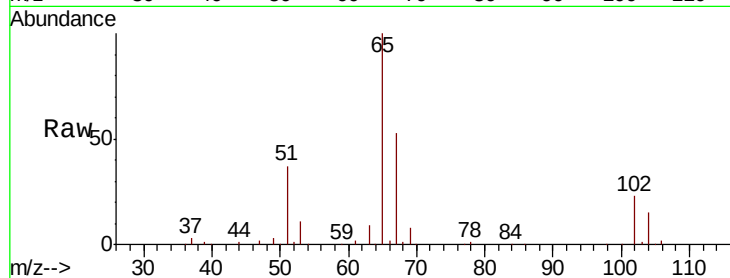




#33
 1,2-Dichloroethane-d4
 Concen: 49.29 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051275.D
 Acq: 17 Sep 2018 17:24

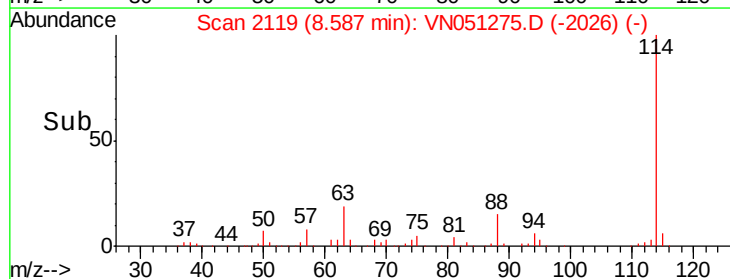
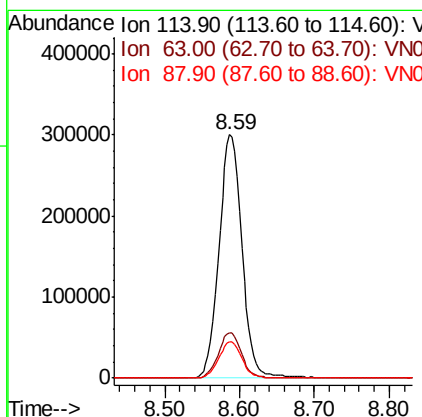
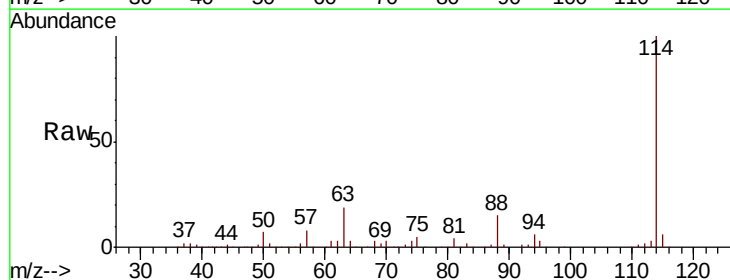
Instrument :
 MSVOA_N
 ClientSampleId :

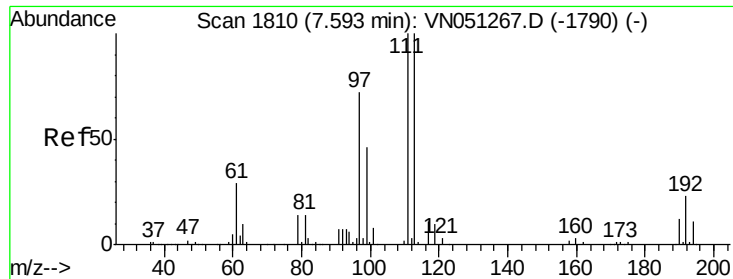
Tot Ion: 65 Resp: 235298
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051275.D
 Acq: 17 Sep 2018 17:24

Tgt Ion: 114 Resp: 640190
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.8
 88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.64 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :
MSVOA_N
ClientSampled :

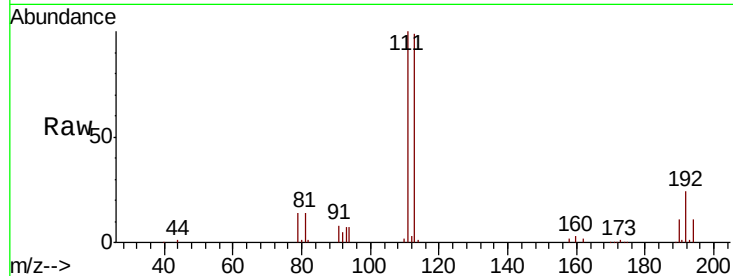
Tot Ion:113 Resp: 251928

Ion Ratio Lower Upper

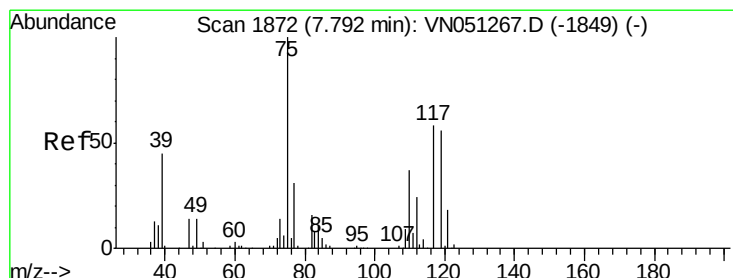
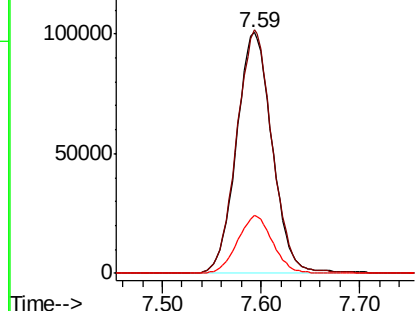
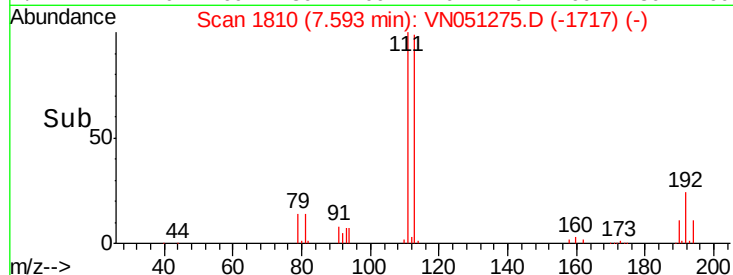
113 100

111 101.2 82.2 123.4

192 23.7 19.0 28.6



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: 3.99 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

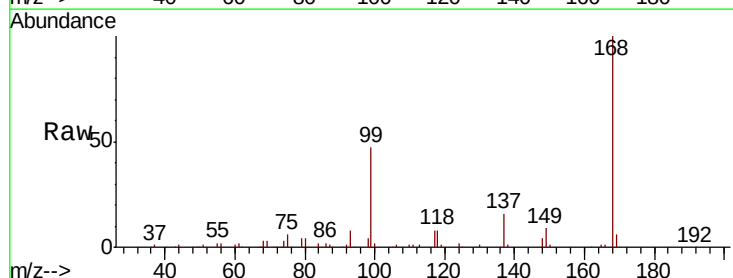
Tgt Ion: 75 Resp: 27618

Ion Ratio Lower Upper

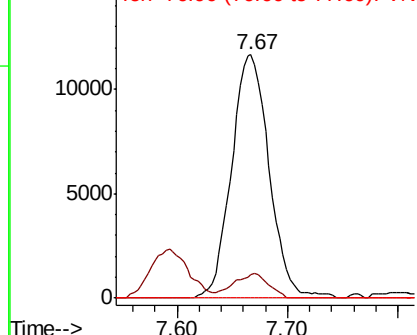
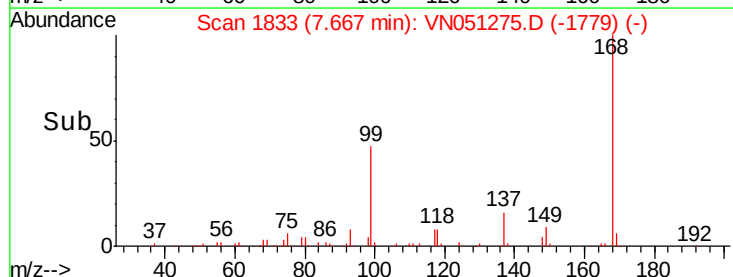
75 100

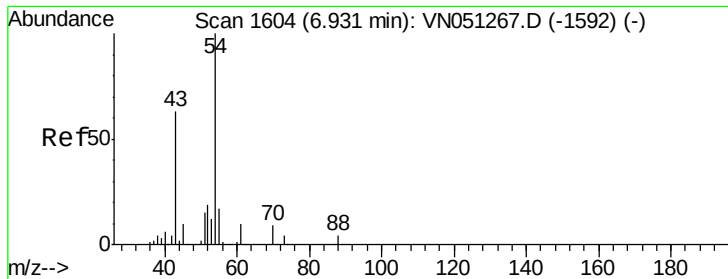
110 9.3 18.6 56.0#

77 0.0 24.7 37.1#



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





#37

Ethyl Acetate

Concen: 1.56 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. -0.07 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :
MSVOA_N
ClientSampleId :

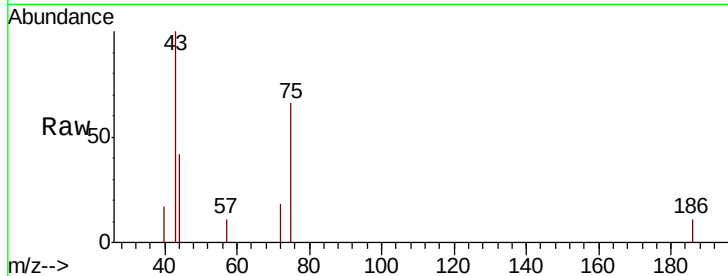
Tot Ion: 43 Resp: 5574

Ion Ratio Lower Upper

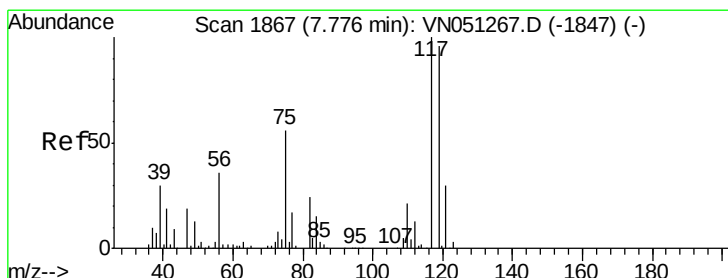
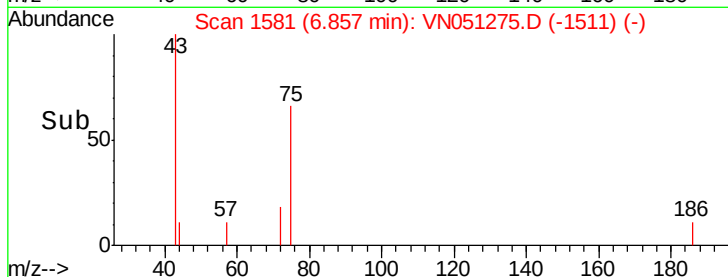
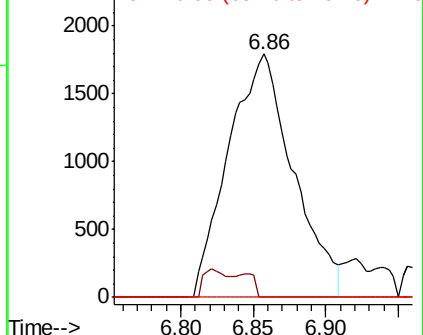
43 100

61 0.0 12.3 18.5#

70 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 5.19 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

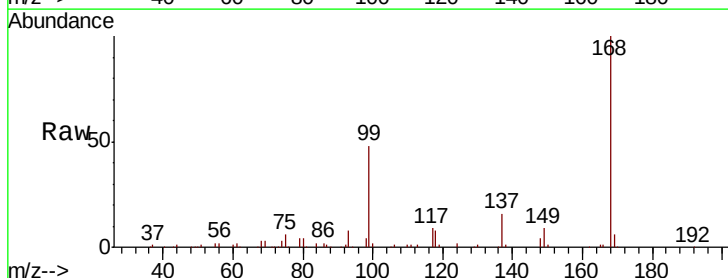
Tgt Ion: 117 Resp: 37523

Ion Ratio Lower Upper

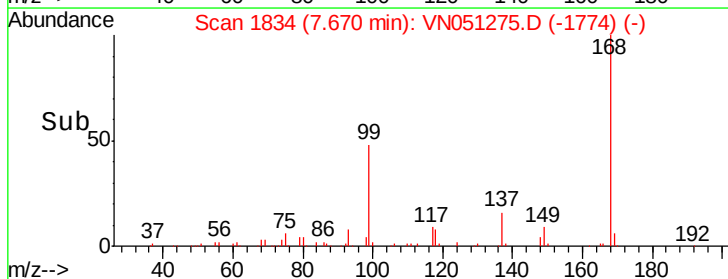
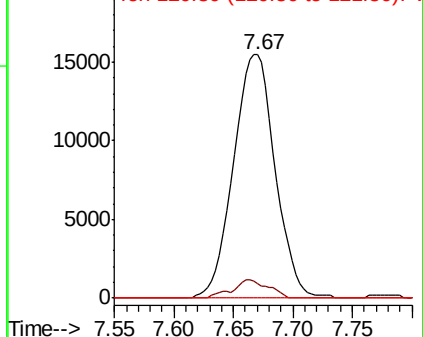
117 100

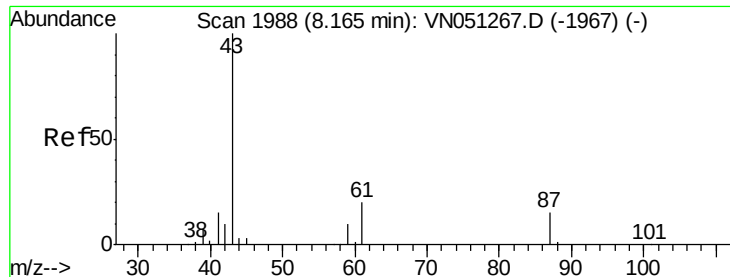
119 5.9 76.8 115.2#

121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 26.70 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA_N

ClientSampleId :

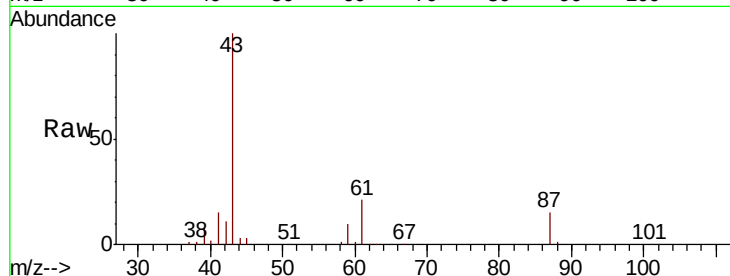
Tot Ion: 43 Resp: 164608

Ion Ratio Lower Upper

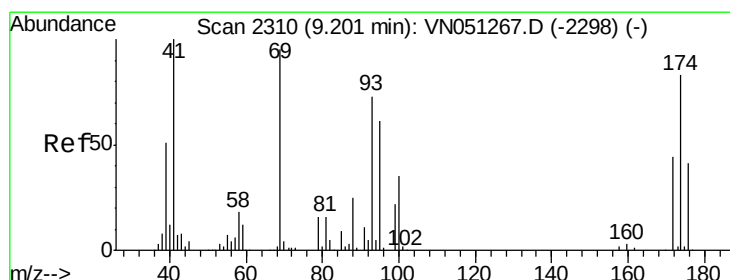
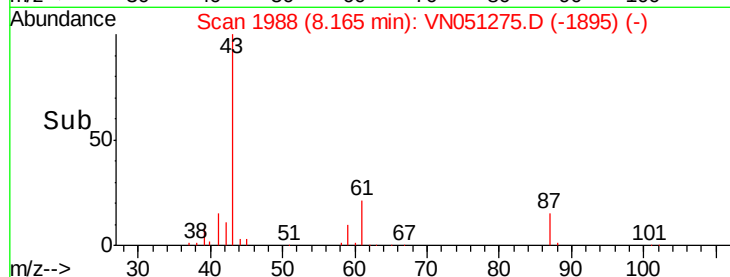
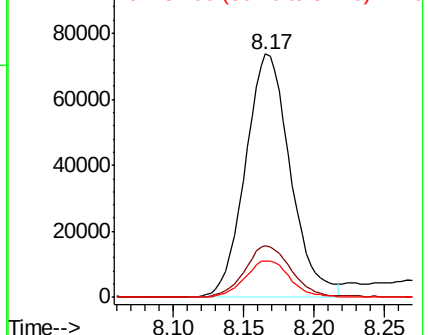
43 100

61 21.9 17.4 26.2

87 15.2 12.2 18.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.57 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

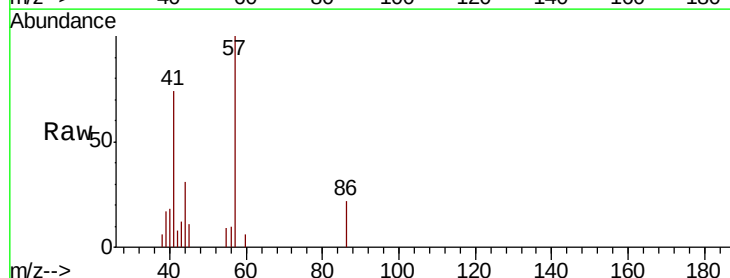
Tgt Ion: 41 Resp: 4656

Ion Ratio Lower Upper

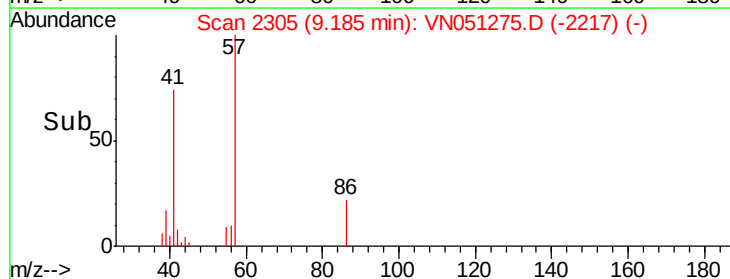
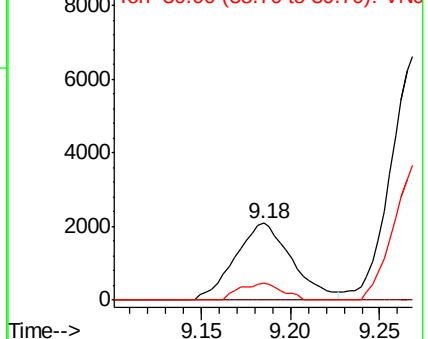
41 100

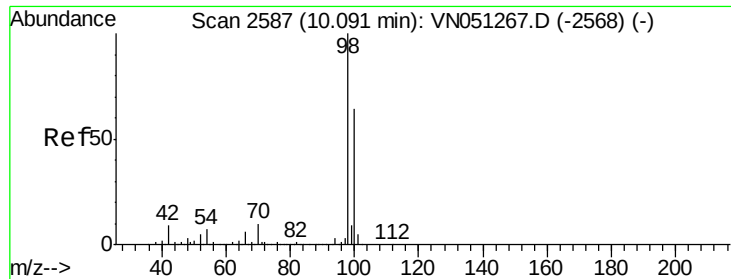
69 0.0 78.9 118.3#

39 16.6 42.2 63.2#



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





#50

Toluene-d8

Concen: 46.13 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA_N

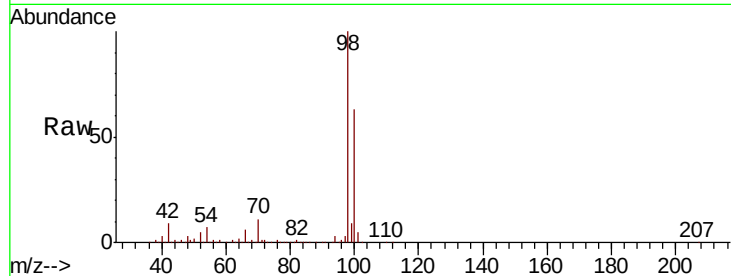
ClientSampled :

Tot Ion: 98 Resp: 848355

Ion Ratio Lower Upper

98 100

100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN051267.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN051267.D (-2568) (-)

10.09

500000

400000

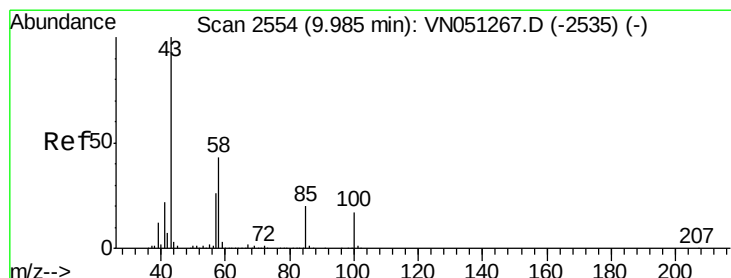
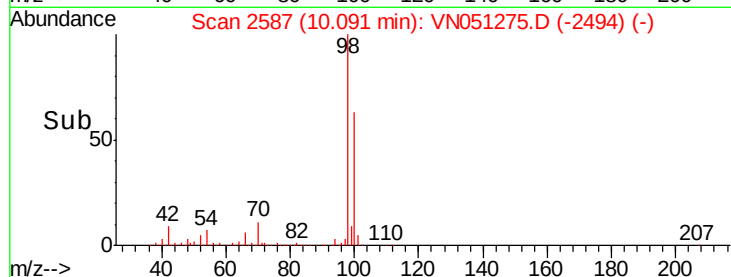
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.39 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051275.D

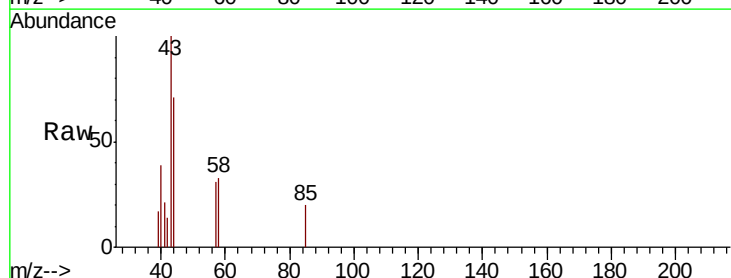
Acq: 17 Sep 2018 17:24

Tgt Ion: 43 Resp: 1248

Ion Ratio Lower Upper

43 100

58 56.6 33.8 50.6#



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN051267.D (-2535) (-)

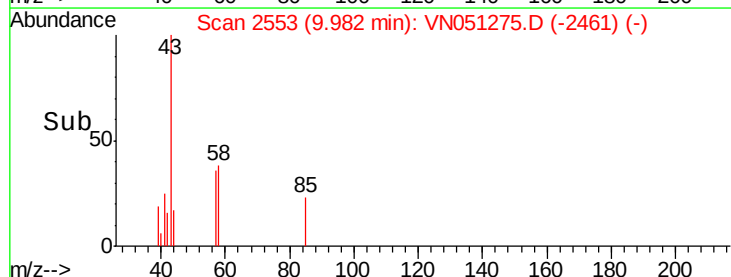
9.98

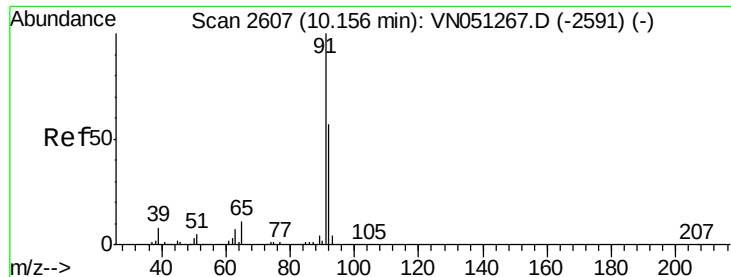
1000

500

0

Time-->





#52

Toluene

Concen: 0.28 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA_N

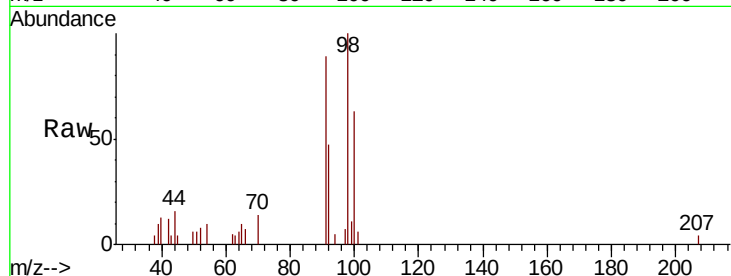
ClientSampled :

Tot Ion: 92 Resp: 3461

Ion Ratio Lower Upper

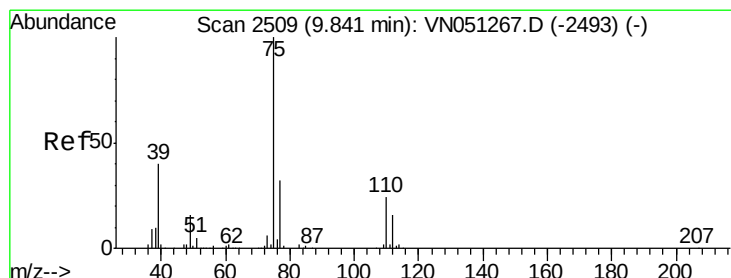
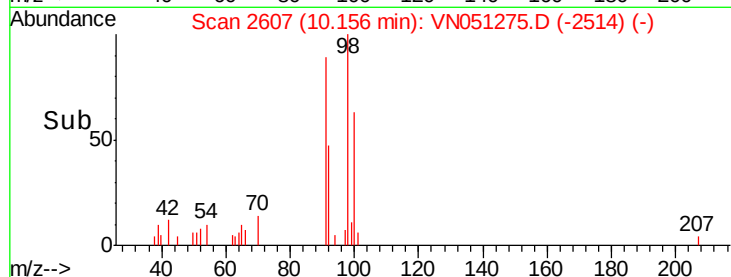
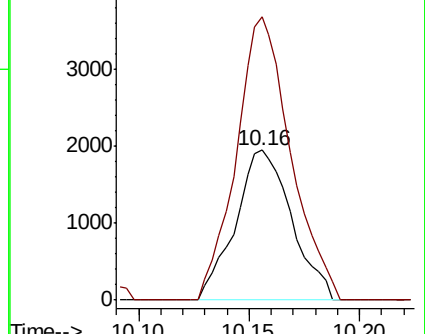
92 100

91 182.4 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.22 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

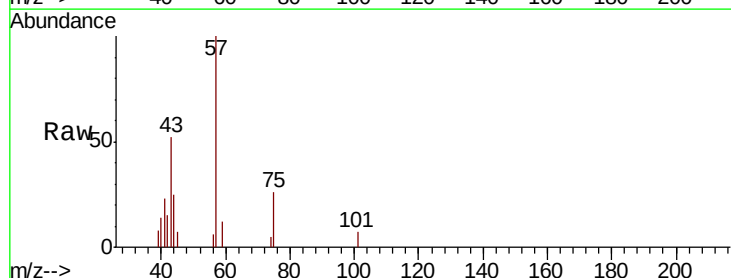
Tgt Ion: 75 Resp: 1647

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#

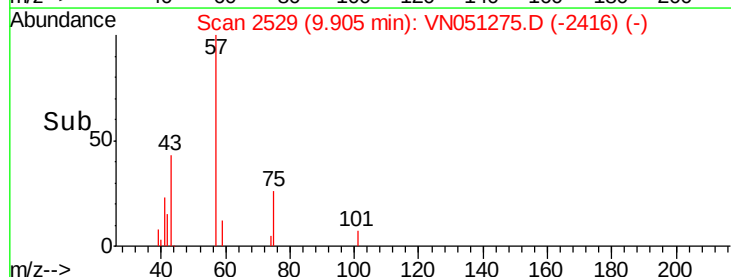
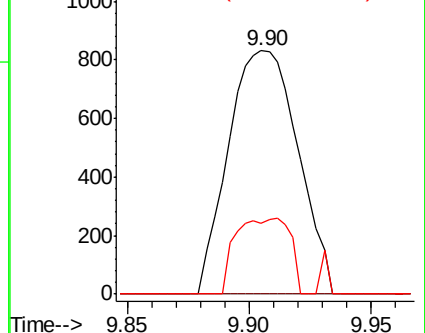
39 29.2 31.8 47.8#

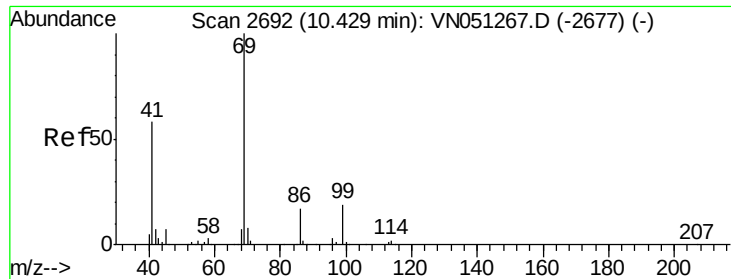


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 2.24 ug/l

RT: 10.23 min Scan# 2631

Delta R.T. -0.20 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA_N

ClientSampled :

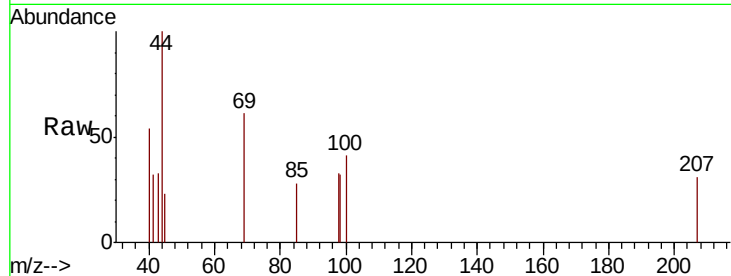
Tot Ion: 69 Resp: 1037

Ion Ratio Lower Upper

69 100

41 0.0 47.4 71.0#

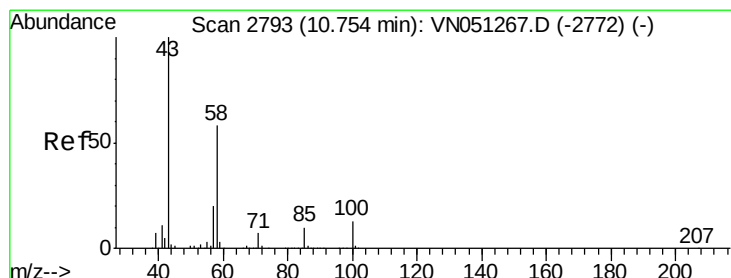
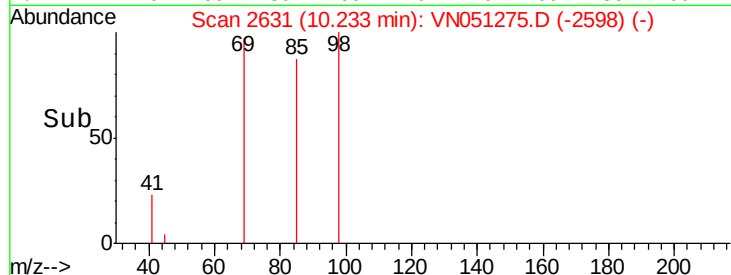
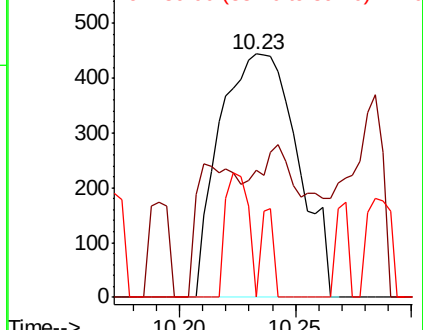
39 5.9 23.7 35.5#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 5.59 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN051275.D

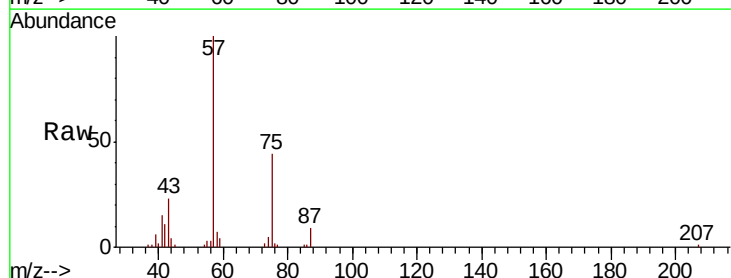
Acq: 17 Sep 2018 17:24

Tgt Ion: 43 Resp: 11704

Ion Ratio Lower Upper

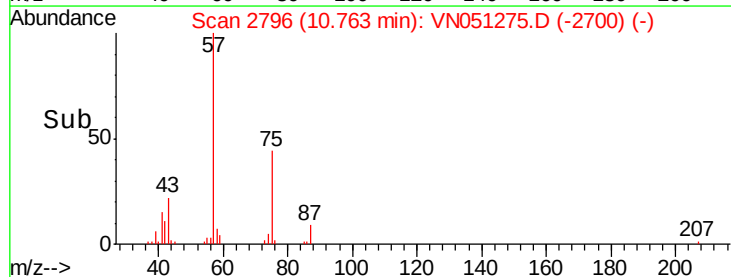
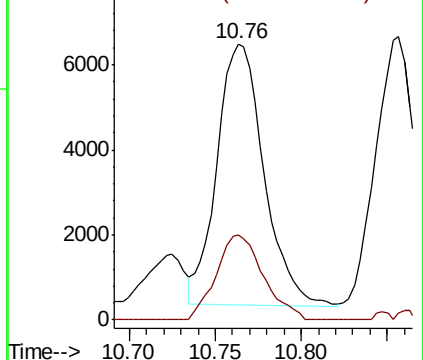
43 100

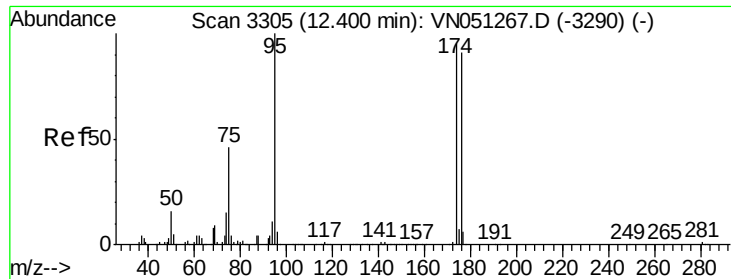
58 32.6 28.9 86.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 37.85 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA_N

ClientSampleId :

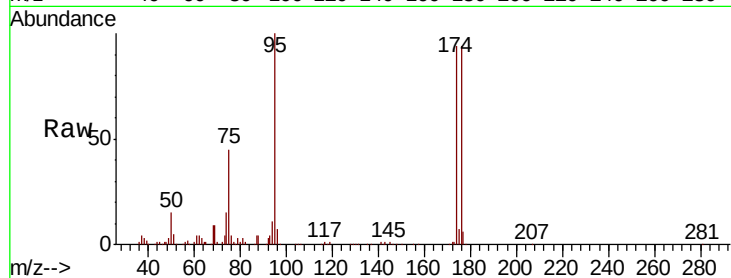
Tot Ion: 95 Resp: 221396

Ion Ratio Lower Upper

95 100

174 95.1 0.0 189.6

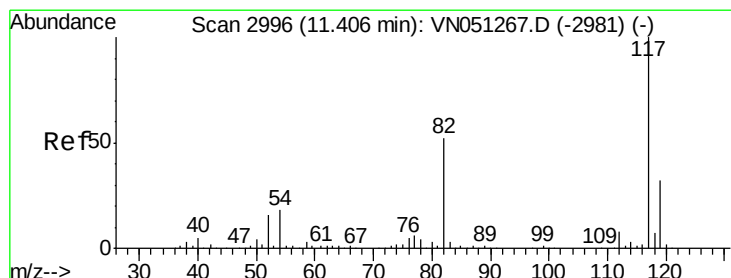
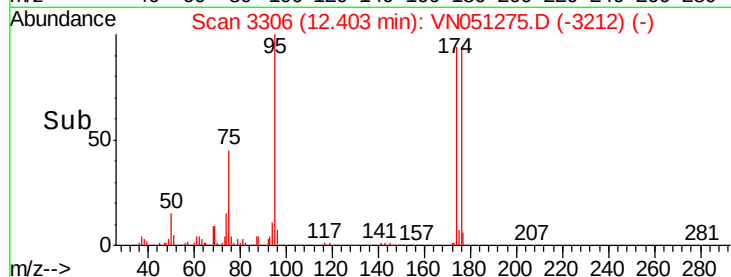
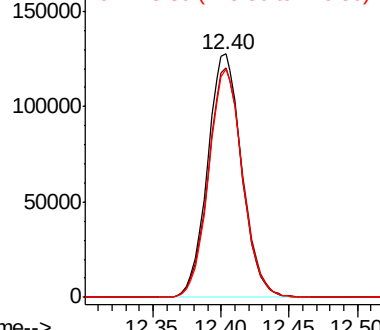
176 92.6 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN051275.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN051275.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN051275.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

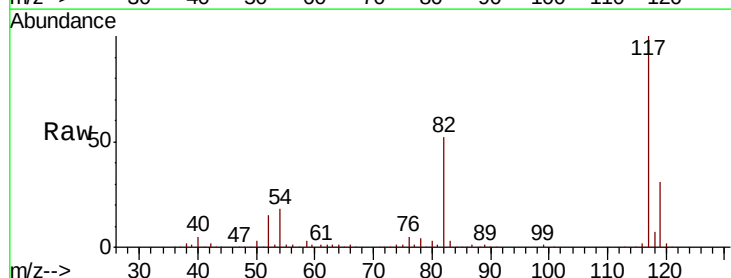
Tgt Ion: 117 Resp: 534113

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

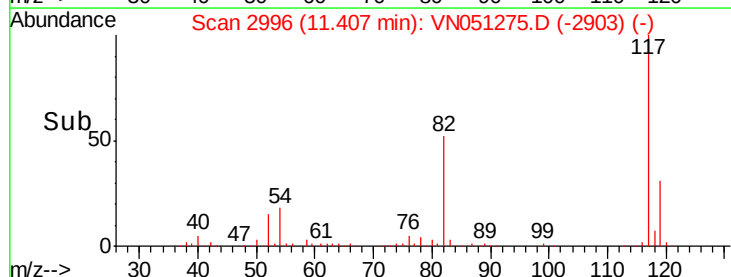
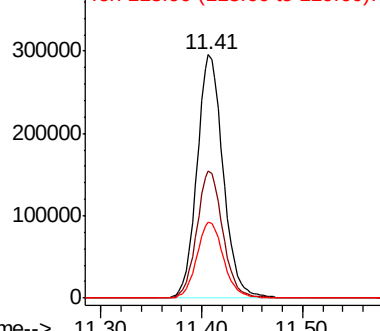
119 31.3 25.6 38.4

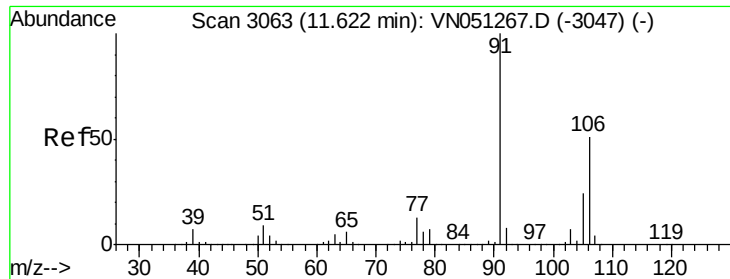


Abundance Ion 116.90 (116.60 to 117.60): VN051275.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN051275.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN051275.D (-2903) (-)





#68

m/p-Xylenes

Concen: 0.39 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA_N

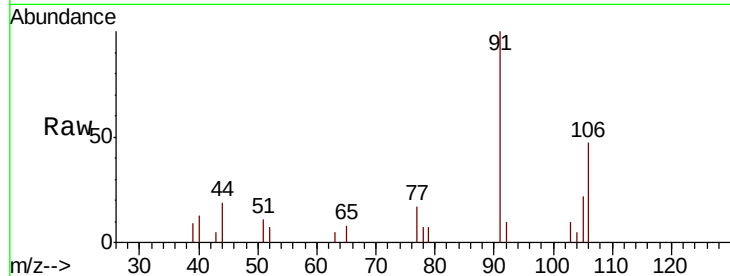
ClientSampled :

Tot Ion:106 Resp: 3181

Ion Ratio Lower Upper

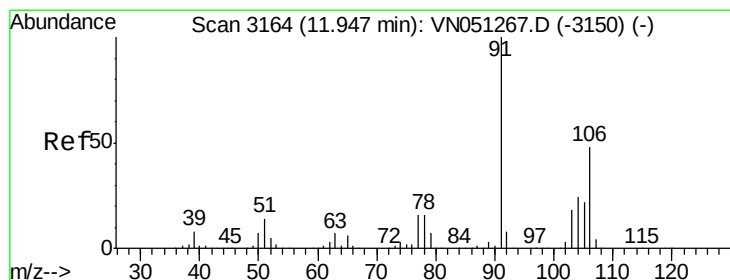
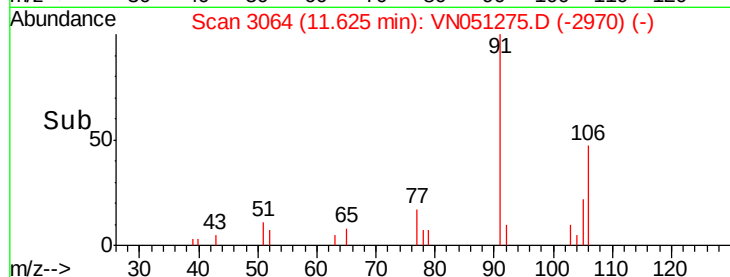
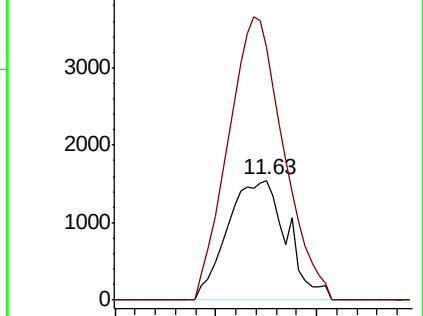
106 100

91 219.7 158.6 238.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.22 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051275.D

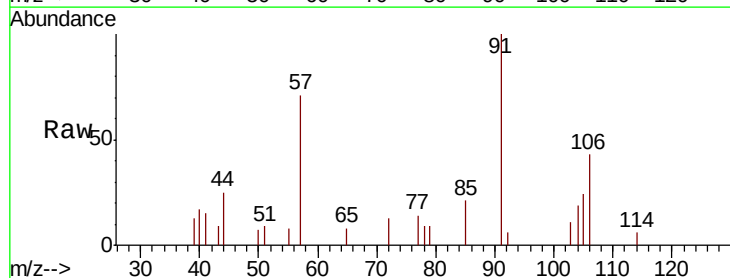
Acq: 17 Sep 2018 17:24

Tgt Ion:106 Resp: 1712

Ion Ratio Lower Upper

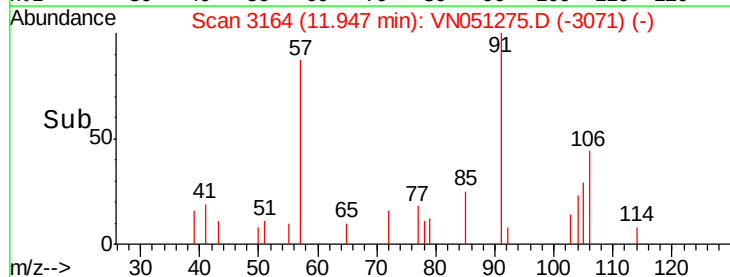
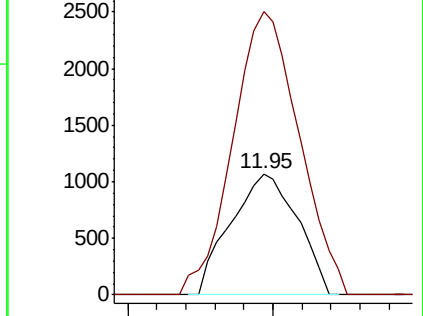
106 100

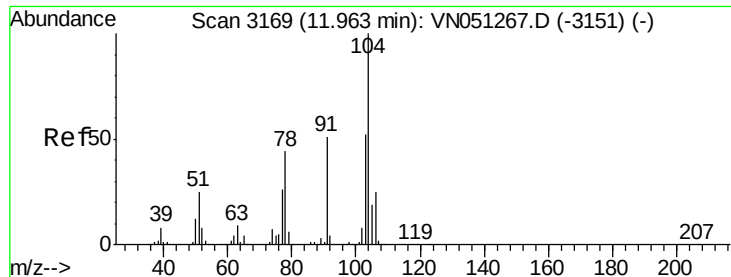
91 232.0 104.1 312.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

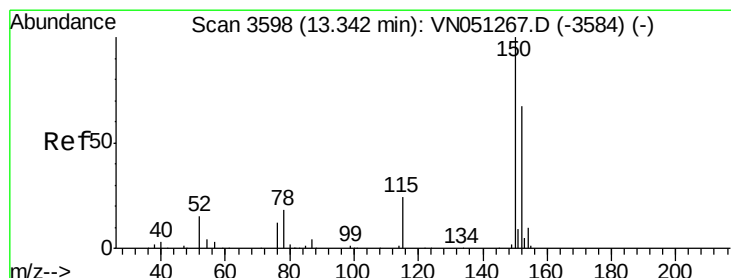
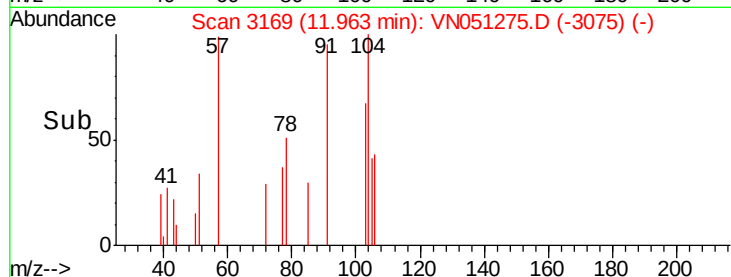
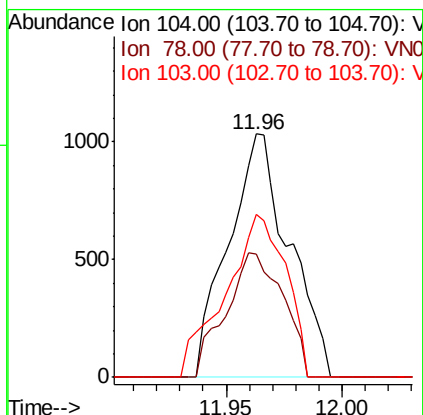
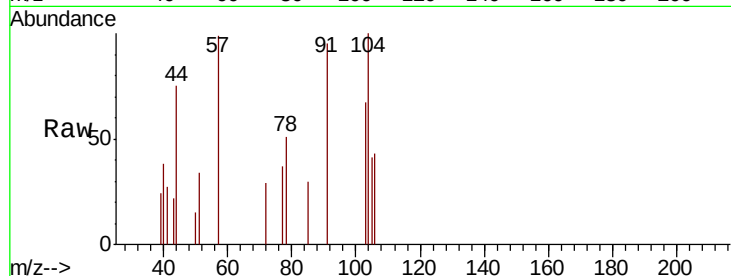




#70
Stvrene
Concen: 1.38 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051275.D
Acq: 17 Sep 2018 17:24

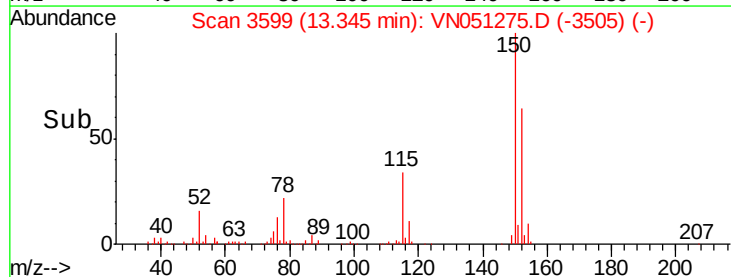
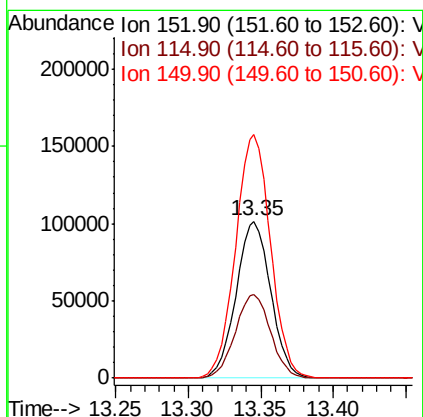
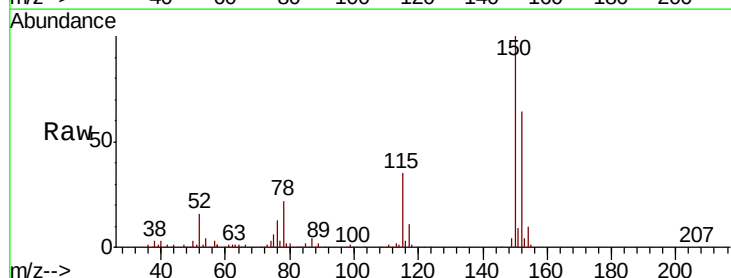
Instrument :
MSVOA_N
ClientSampled :

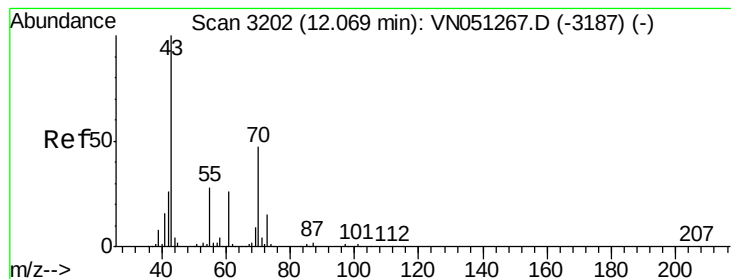
Tot Ion:104 Resp: 1889
Ion Ratio Lower Upper
104 100
78 47.8 38.1 57.1
103 66.1 44.8 67.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051275.D
Acq: 17 Sep 2018 17:24

Tgt Ion:152 Resp: 168079
Ion Ratio Lower Upper
152 100
115 54.6 27.1 81.2
150 156.9 0.0 349.0





#74

N-amvl acetate

Concen: 0.46 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 1337

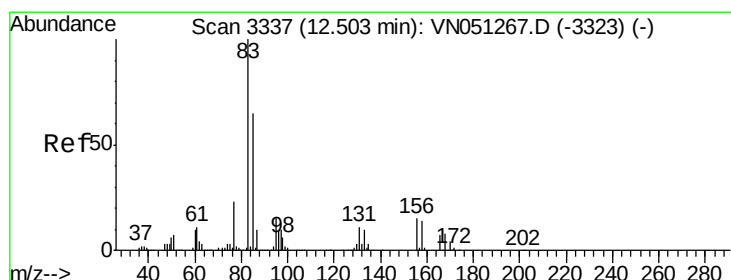
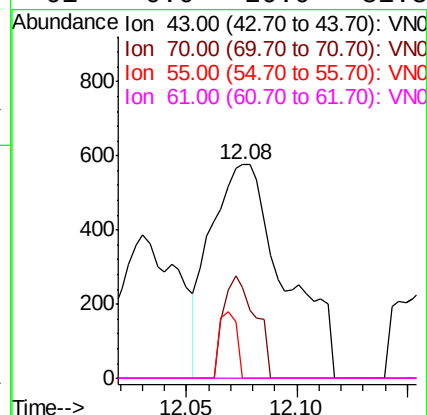
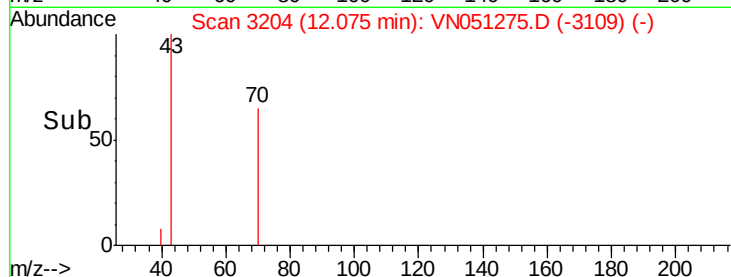
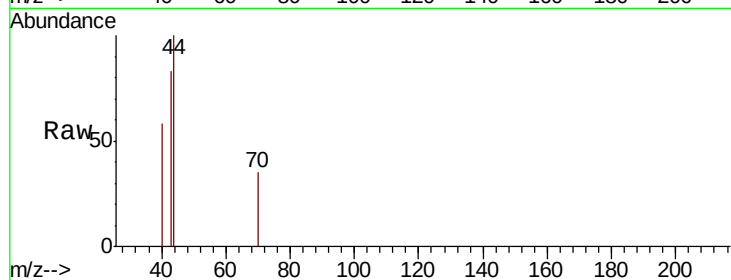
Ion Ratio Lower Upper

43 100

70 20.5 37.8 56.6#

55 7.2 22.6 34.0#

61 0.0 20.9 31.3#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

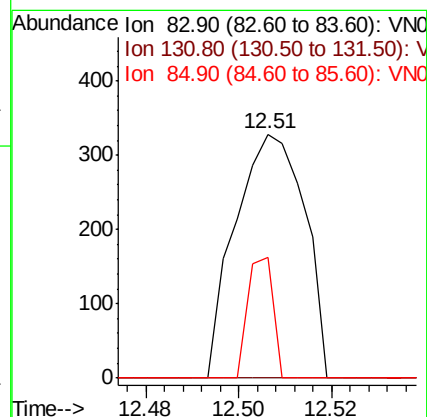
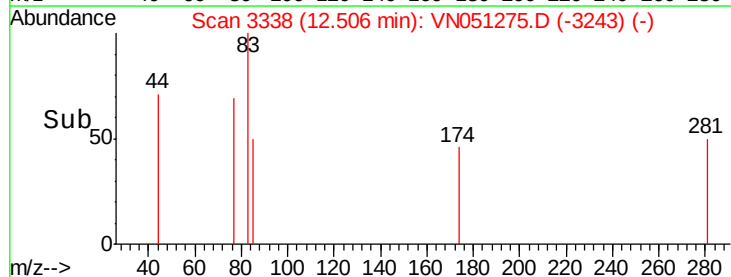
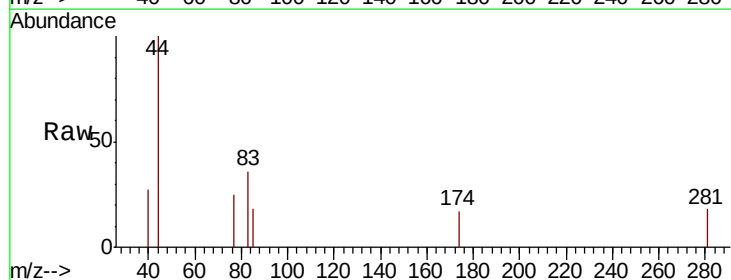
Tgt Ion: 83 Resp: 339

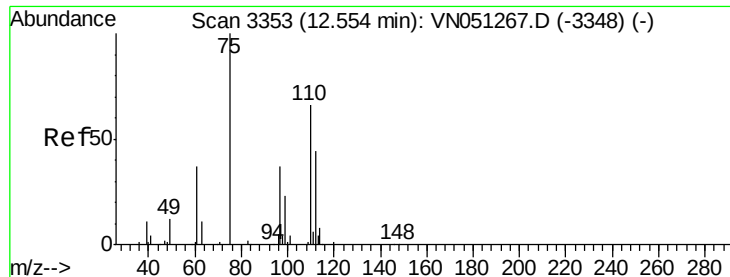
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

85 18.0 32.3 96.9#

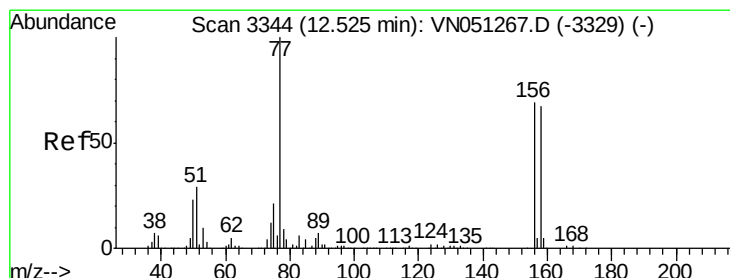
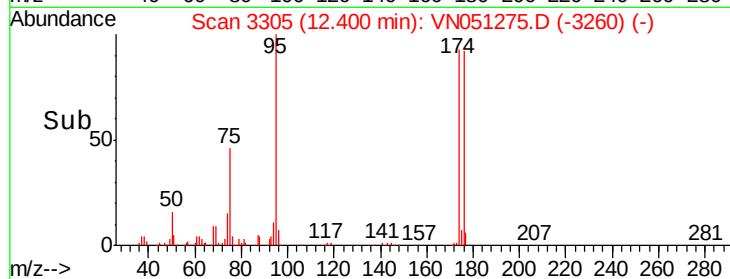
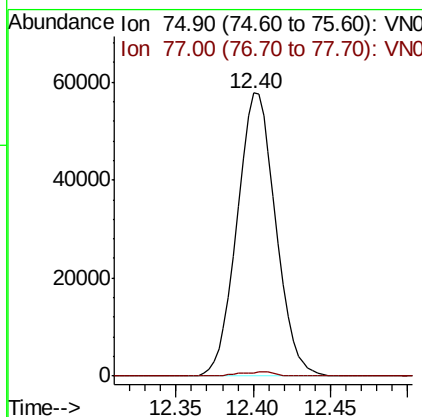
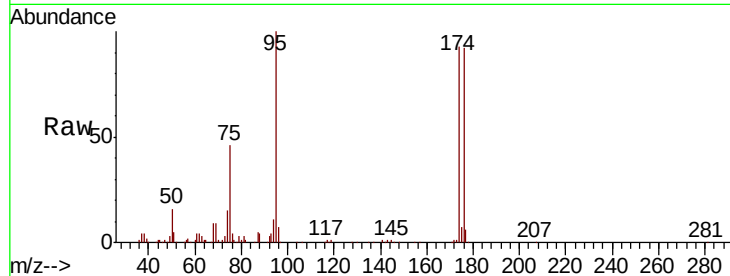




#76
 1,2,3-Trichloropropane
 Concen: 43.27 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN051275.D
 Acq: 17 Sep 2018 17:24

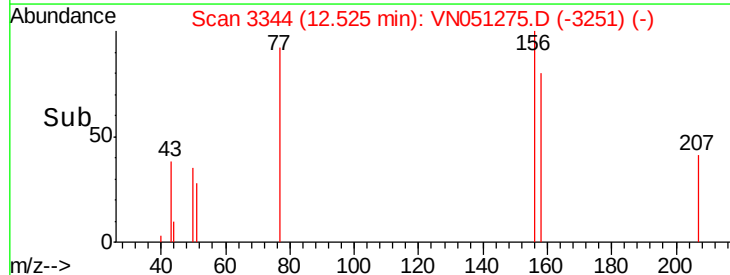
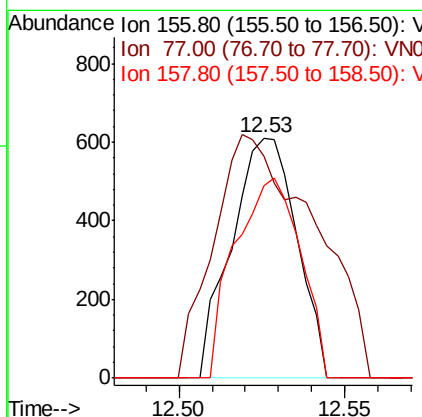
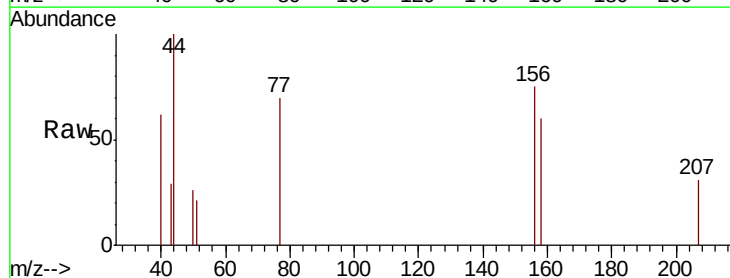
Instrument :
 MSVOA_N
 ClientSampleId :

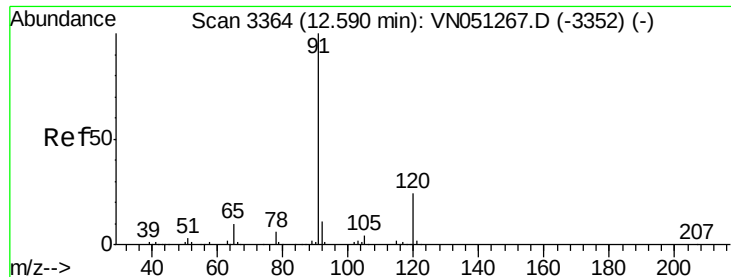
Tot Ion: 75 Resp: 100275
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#77
 Bromobenzene
 Concen: Below Cal
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN051275.D
 Acq: 17 Sep 2018 17:24

Tgt Ion: 156 Resp: 834
 Ion Ratio Lower Upper
 156 100
 77 156.8 83.7 251.1
 158 83.9 49.0 147.2





#78

n-propylbenzene

Concen: 0.28 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA_N

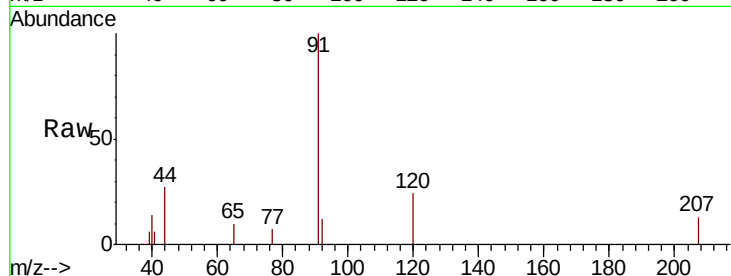
ClientSampleId :

Tot Ion: 91 Resp: 4304

Ion Ratio Lower Upper

91 100

120 23.0 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN051267.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN051267.D (-3352) (-)

12.59

2500

2000

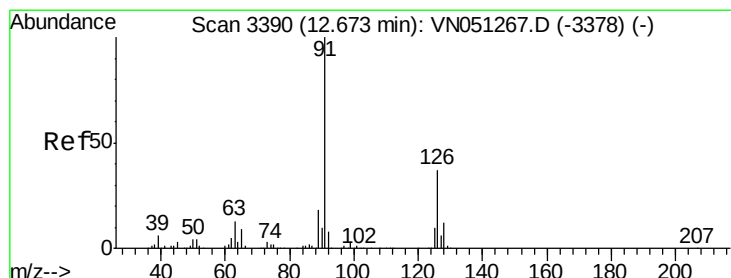
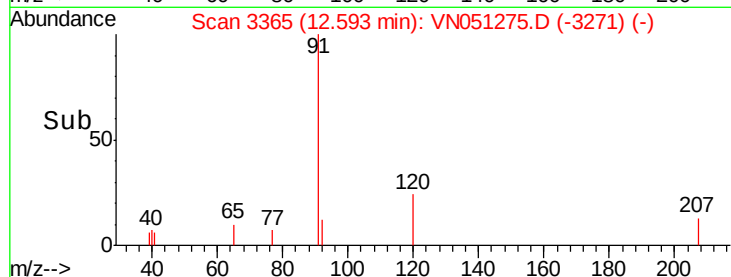
1500

1000

500

0

Time-->



#79

2-Chlorotoluene

Concen: 0.21 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051275.D

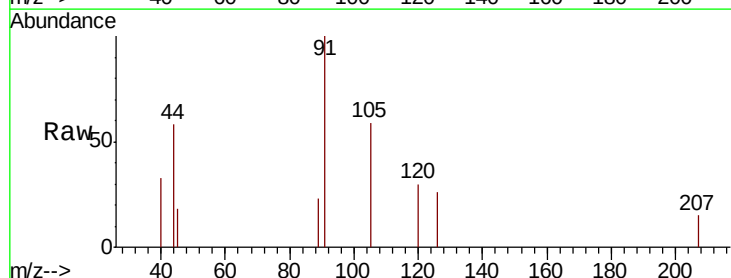
Acq: 17 Sep 2018 17:24

Tgt Ion: 91 Resp: 2069

Ion Ratio Lower Upper

91 100

126 20.6 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VN051267.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051267.D (-3378) (-)

12.67

2500

2000

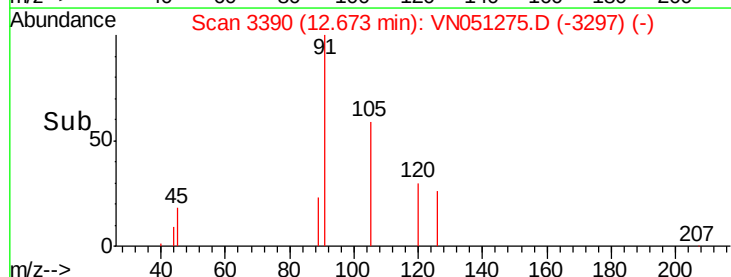
1500

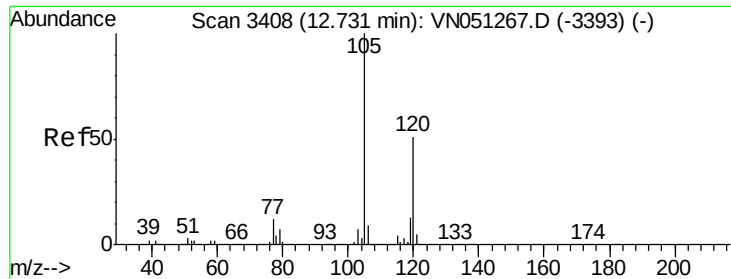
1000

500

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 0.31 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA_N

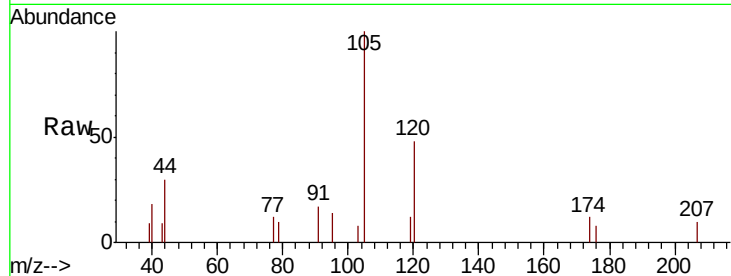
ClientSampled :

Tot Ion:105 Resp: 3562

Ion Ratio Lower Upper

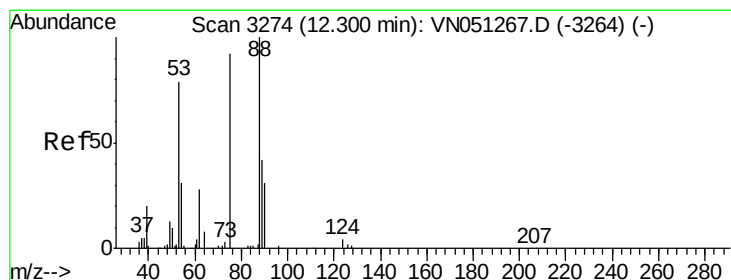
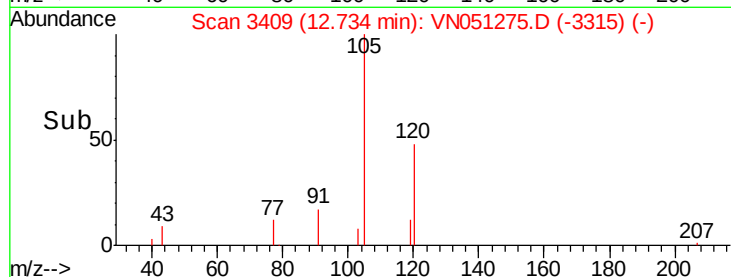
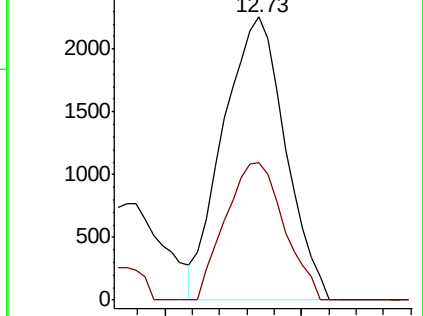
105 100

120 45.7 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 132.50 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

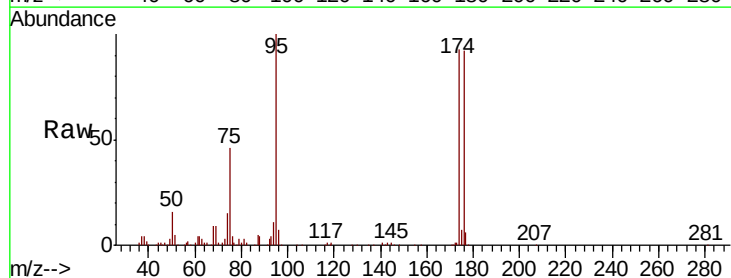
Tgt Ion: 75 Resp: 100275

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

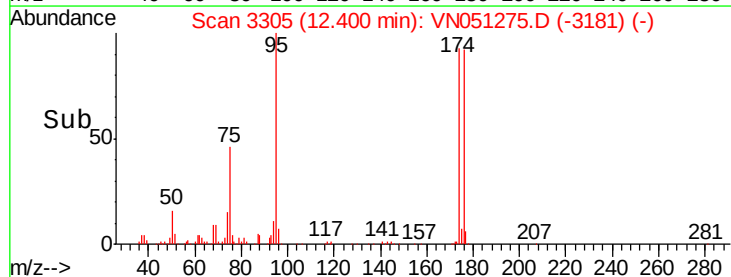
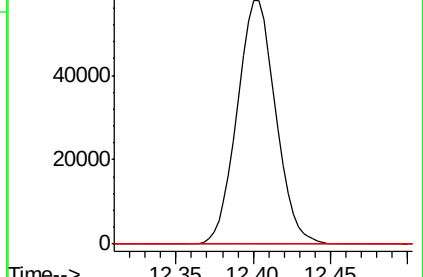
89 0.0 36.9 55.3#

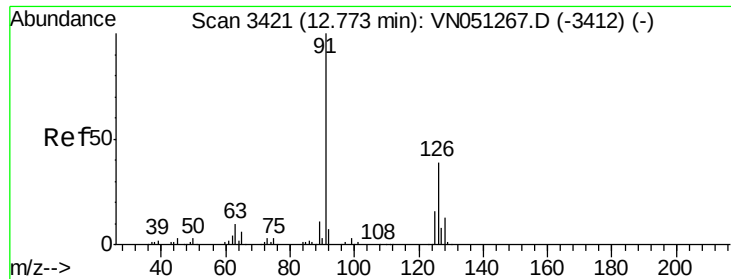


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.24 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA_N

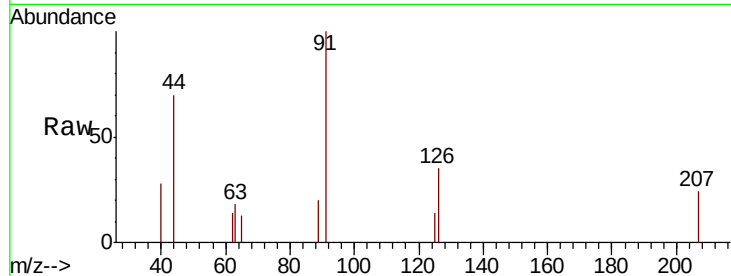
ClientSampled :

Tot Ion: 91 Resp: 2203

Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VN051267.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN051267.D (-3412) (-)

12.77

1000

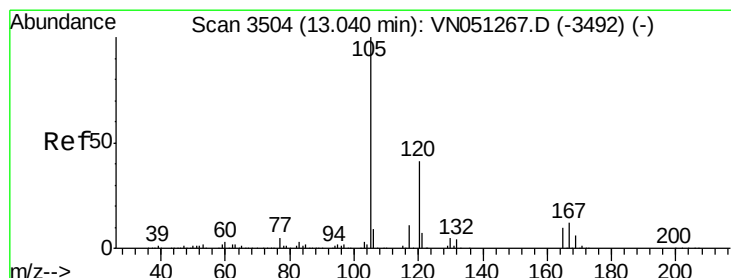
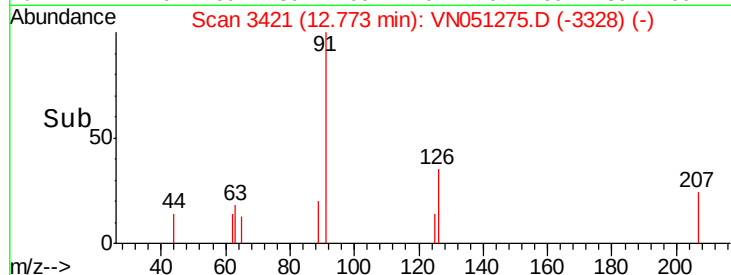
500

0

Time-->

12.75

12.80



#84

1,2,4-Trimethylbenzene

Concen: 0.70 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN051275.D

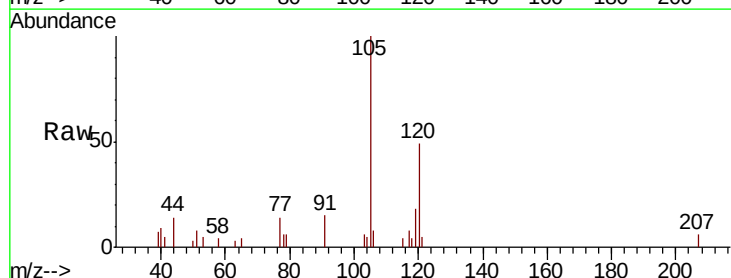
Acq: 17 Sep 2018 17:24

Tgt Ion: 105 Resp: 7670

Ion Ratio Lower Upper

105 100

120 49.1 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN051267.D (-3492) (-)

Ion 120.00 (119.70 to 120.70): VN051267.D (-3492) (-)

13.04

5000

4000

3000

2000

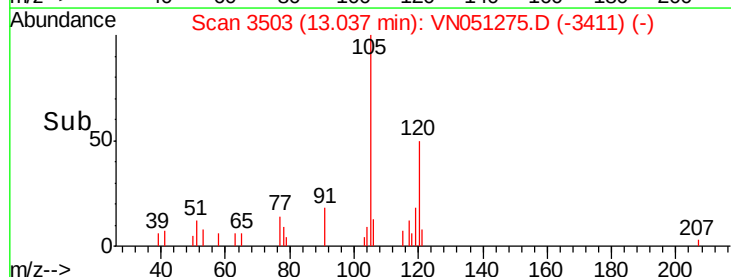
1000

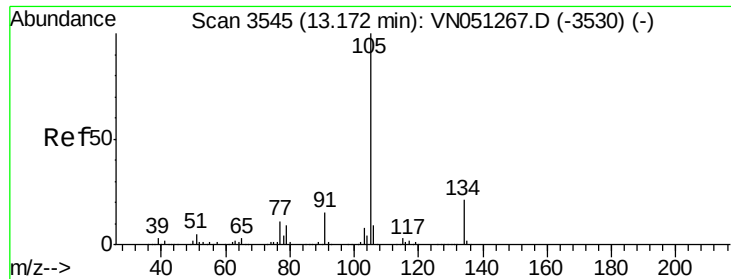
0

Time-->

13.00

13.05





#85

sec-Butylbenzene

Concen: 0.20 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA_N

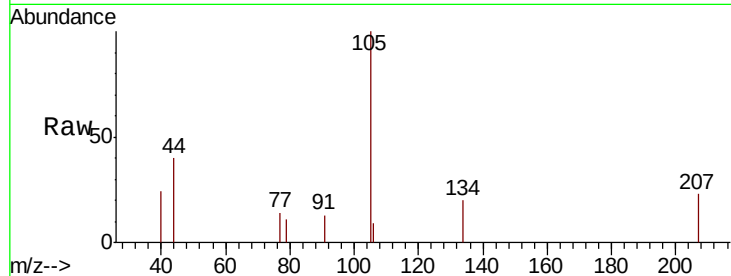
ClientSampled :

Tot Ion:105 Resp: 2590

Ion Ratio Lower Upper

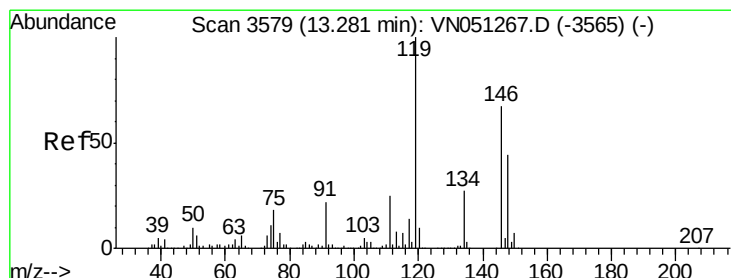
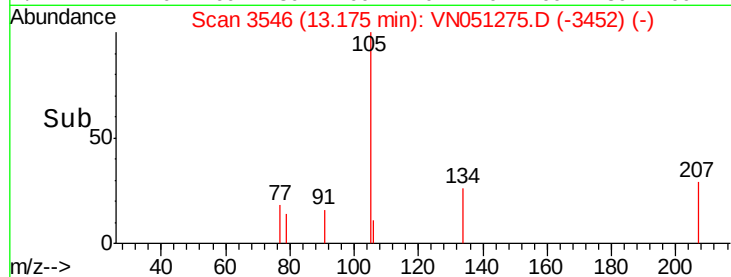
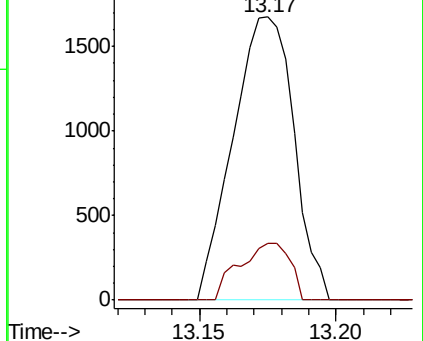
105 100

134 16.7 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.35 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

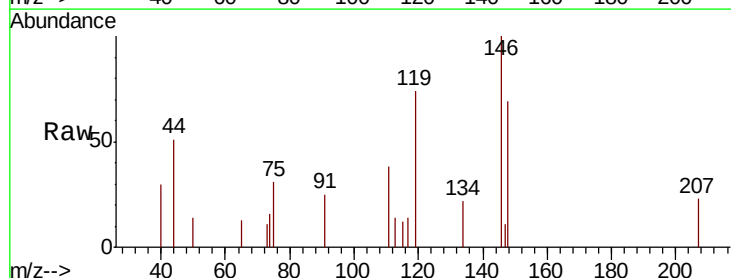
Tgt Ion:146 Resp: 2219

Ion Ratio Lower Upper

146 100

111 32.5 18.7 56.1

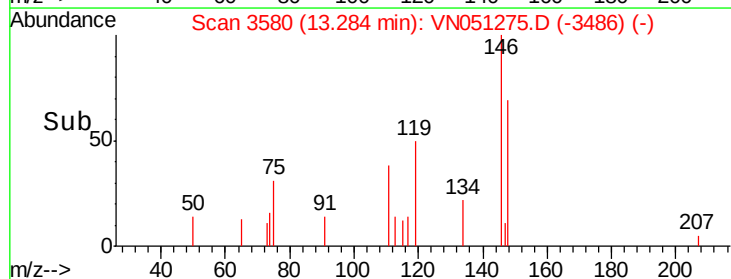
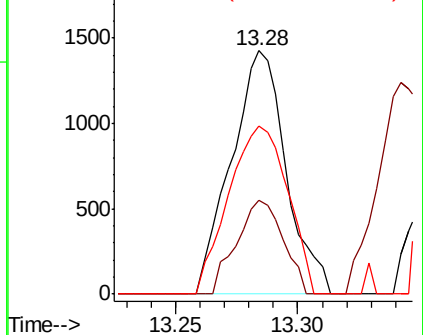
148 74.4 32.2 96.6

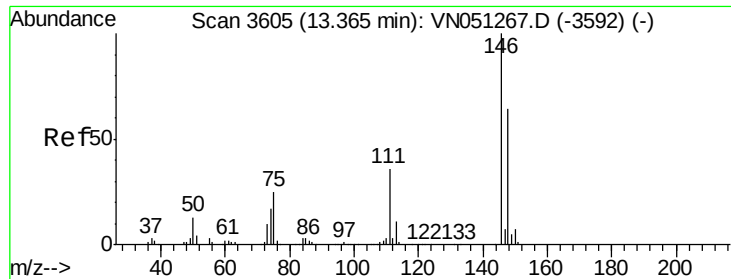


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

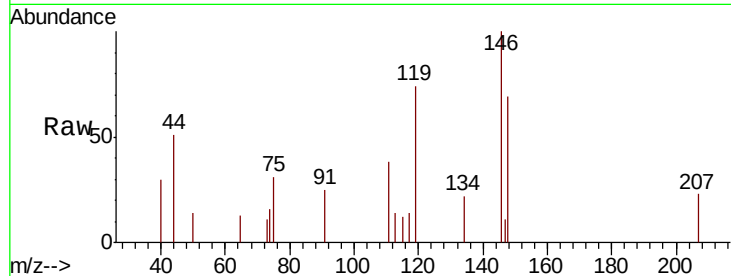




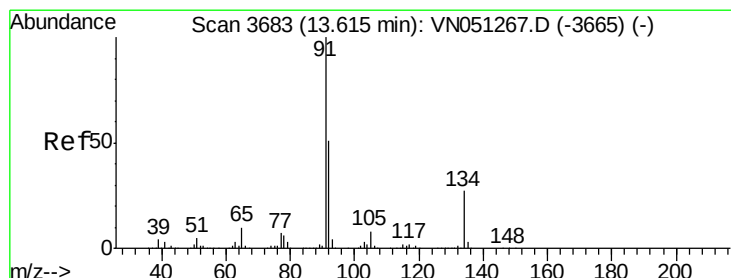
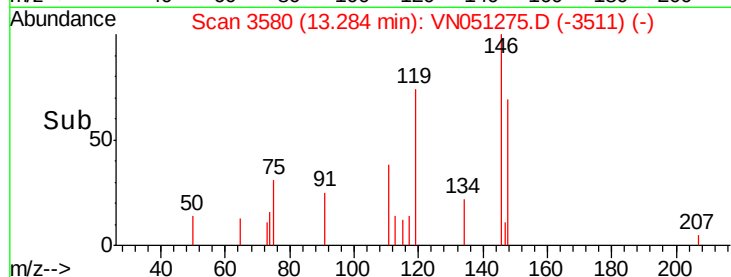
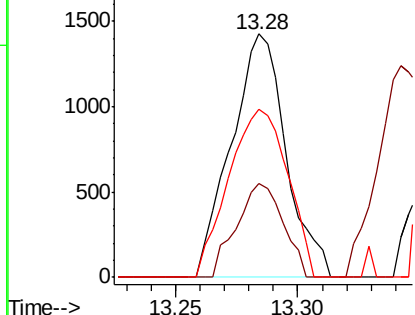
#88
 1,4-Dichlorobenzene
 Concen: 0.78 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN051275.D
 Acq: 17 Sep 2018 17:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 2219
 Ion Ratio Lower Upper
 146 100
 111 32.5 18.2 54.6
 148 74.4 31.9 95.7

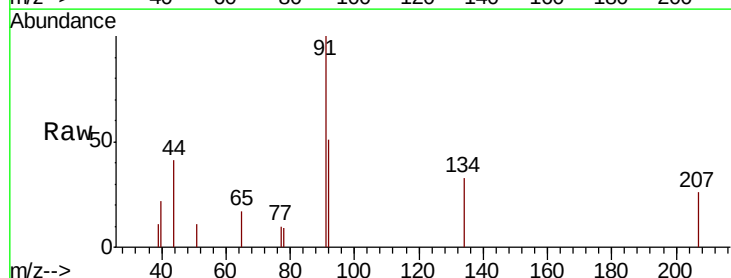


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

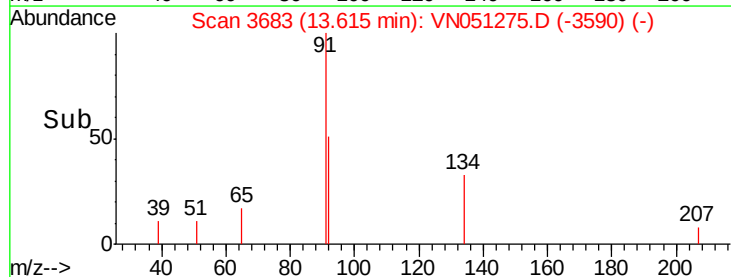
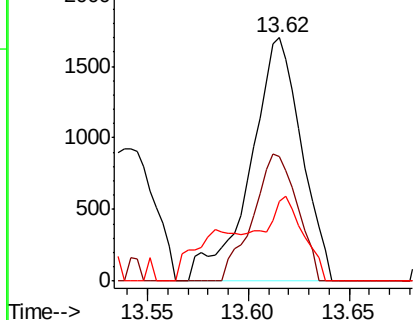


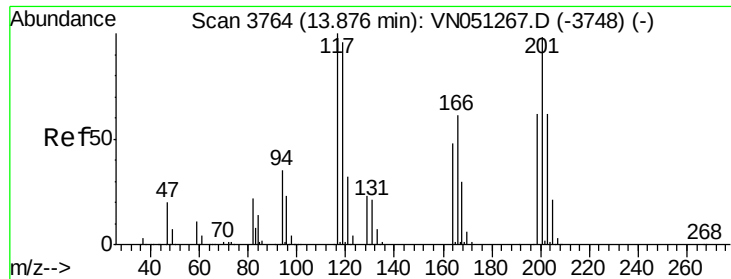
#89
 n-Butylbenzene
 Concen: 2.34 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN051275.D
 Acq: 17 Sep 2018 17:24

Tgt Ion: 91 Resp: 2984
 Ion Ratio Lower Upper
 91 100
 92 45.6 25.8 77.4
 134 20.4 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VN
 Ion 92.00 (91.70 to 92.70): VN
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA_N

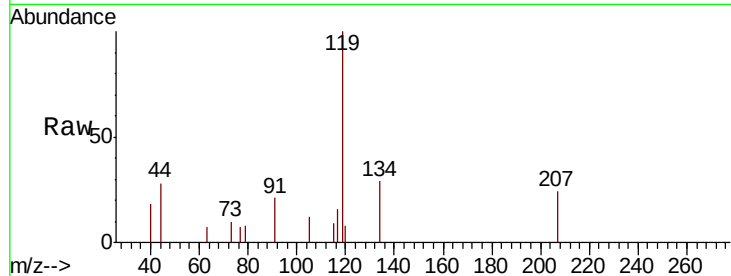
ClientSampleId :

Tot Ion:117 Resp: 512

Ion Ratio Lower Upper

117 100

201 0.0 48.4 145.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

400

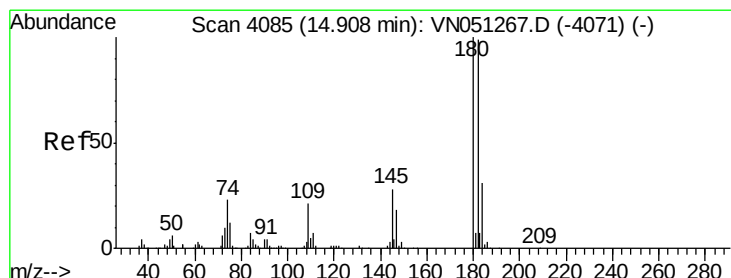
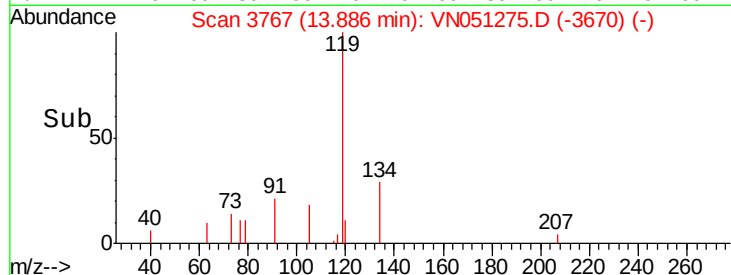
300

200

100

0

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 6.15 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

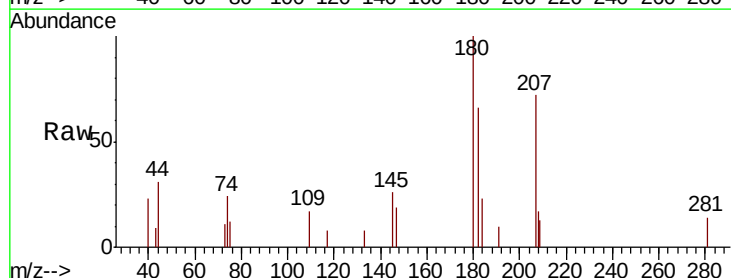
Tgt Ion:180 Resp: 3511

Ion Ratio Lower Upper

180 100

182 81.7 48.5 145.6

145 37.6 14.0 41.9



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

3000

2500

2000

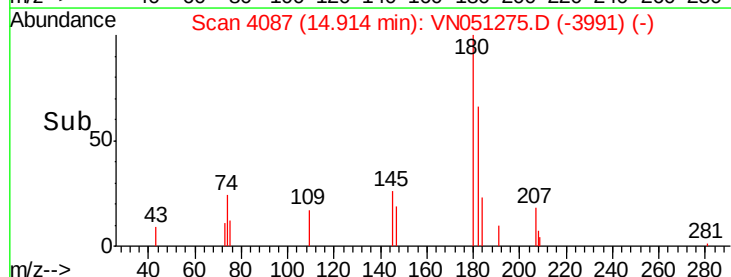
1500

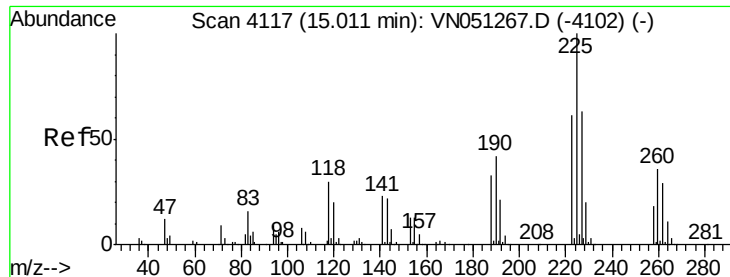
1000

500

0

Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. -0.01 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA_N

ClientSampleId :

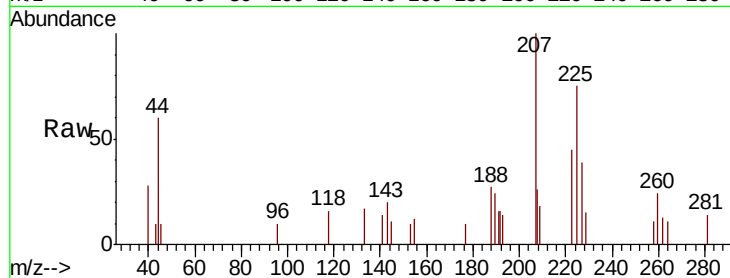
Tot Ion:225 Resp: 1791

Ion Ratio Lower Upper

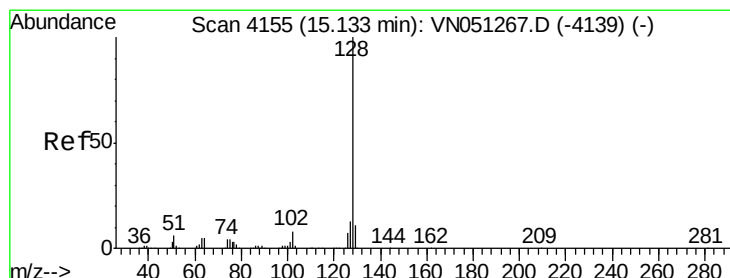
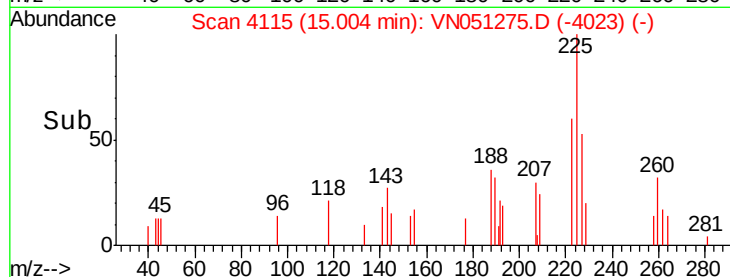
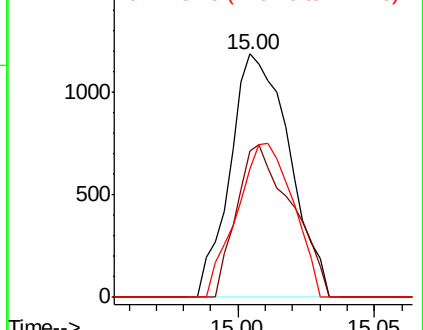
225 100

223 58.6 30.8 92.3

227 60.1 32.1 96.3



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: 27.61 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

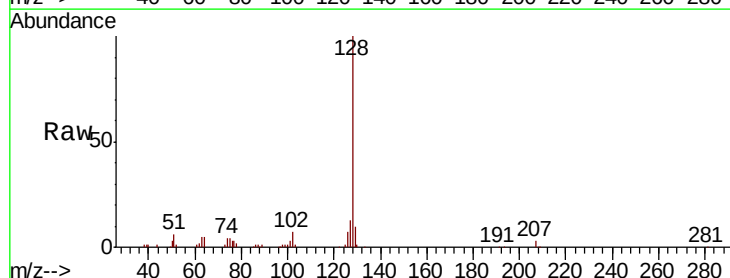
Tgt Ion:128 Resp: 129380

Ion Ratio Lower Upper

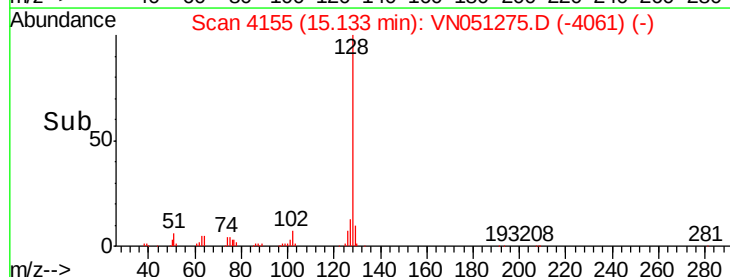
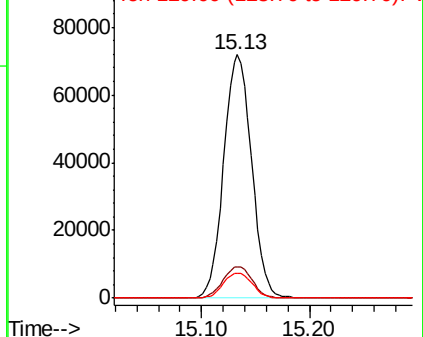
128 100

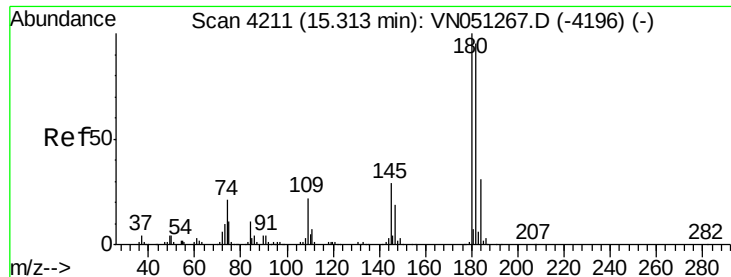
127 13.5 10.7 16.1

129 10.6 8.9 13.3



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





#96
 1,2,3-Trichlorobenzene
 Concen: 5.21 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN051275.D
 Acq: 17 Sep 2018 17:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.1	47.5	142.6
145	42.8	14.8	44.4

