

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051277.D
 Acq On : 17 Sep 2018 18:13
 Operator : MD\SY
 Sample : J4773-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 09:29:21 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	427730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	629199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	520766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	148349	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	227609	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
35) Dibromofluoromethane	7.59	113	246387	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
50) Toluene-d8	10.09	98	844486	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
62) 4-Bromofluorobenzene	12.40	95	210789	36.67	ug/l	0.00
Spiked Amount			Recovery	=	73.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2344	Below Cal		91
5) Bromomethane	2.57	94	2669	1.33	ug/l	99
10) Methyl Iodide	3.96	142	1224	6.33	ug/l #	50
11) Tert butyl alcohol	4.78	59	299	1.17	ug/l #	73
13) Acrolein	3.62	56	142	10.69	ug/l #	14
14) Allyl chloride	4.56	41	12815	2.00	ug/l #	26
16) Acetone	3.83	43	16101	5.90	ug/l	100
17) Carbon Disulfide	4.05	76	5792	0.33	ug/l #	82
18) Methyl Acetate	4.34	43	7643	1.70	ug/l	91
20) Methylene Chloride	4.55	84	361310	71.01	ug/l	99
25) 2-Butanone	6.84	43	2240	1.50	ug/l #	74
29) Tetrahydrofuran	7.22	42	511	0.56	ug/l #	40
30) Chloroform	7.37	83	2003	0.24	ug/l	89
31) Cyclohexane	7.67	56	6921	0.86	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	26824	3.94	ug/l #	48
38) Carbon Tetrachloride	7.67	117	36183	5.09	ug/l #	16
41) Methacrylonitrile	7.22	41	432	0.24	ug/l #	20
43) Isopropyl Acetate	8.17	43	158857	26.22	ug/l	99
48) Methyl methacrylate	9.18	41	4510	1.55	ug/l #	13
51) 4-Methyl-2-Pentanone	9.99	43	1967	0.63	ug/l	93
56) Ethyl methacrylate	10.44	69	146	2.09	ug/l #	12
59) 2-Hexanone	10.77	43	12179	5.92	ug/l	63
68) m/p-Xylenes	11.62	106	2076	0.26	ug/l	91
70) Styrene	11.97	104	2300	1.41	ug/l	91
74) N-amyl acetate	12.08	43	886	0.35	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.51	83	284	Below Cal	#	38
76) 1,2,3-Trichloropropane	12.40	75	96002	47.18	ug/l #	100
77) Bromobenzene	12.53	156	811	Below Cal		89
78) n-propylbenzene	12.59	91	3196	0.24	ug/l	94
79) 2-Chlorotoluene	12.68	91	2921	0.34	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	2899	0.29	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	96002	143.73	ug/l #	15
82) 4-Chlorotoluene	12.78	91	2206	0.27	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	5065	0.52	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

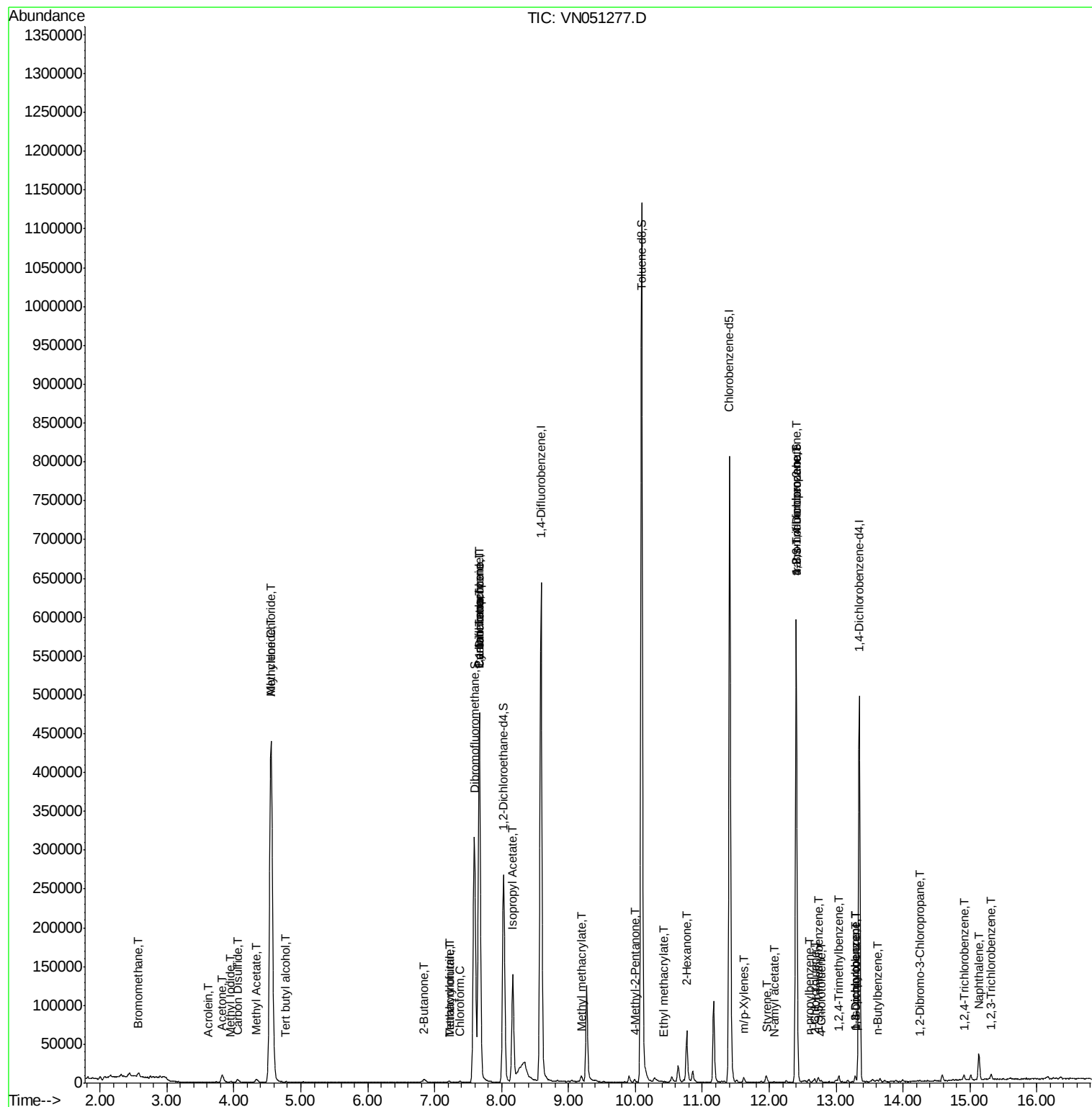
86) p-Isopropyltoluene	13.29	119	3210	0.34	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	2052	0.37	ug/l	97
88) 1,4-Dichlorobenzene	13.29	146	2052	0.80	ug/l	96
89) n-Butylbenzene	13.62	91	2095	2.28	ug/l #	82
90) Hexachloroethane	13.87	117	67	Below	Cal #	1
91) 1,2-Dichlorobenzene	13.65	146	2386	Below	Cal	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30	0.24	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	2626	5.98	ug/l	98
94) Hexachlorobutadiene	15.01	225	1558	Below	Cal	95
95) Naphthalene	15.13	128	30230	11.66	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	3074	5.06	ug/l	89

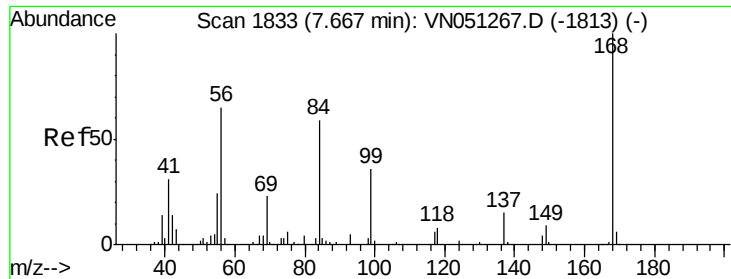
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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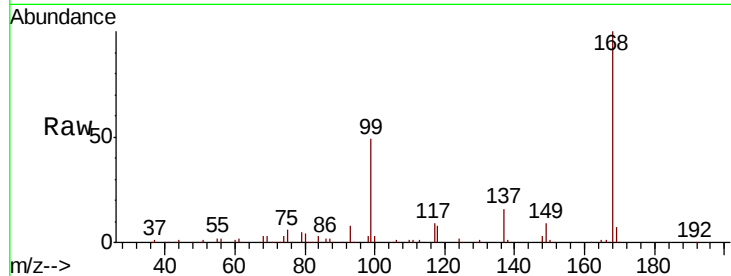


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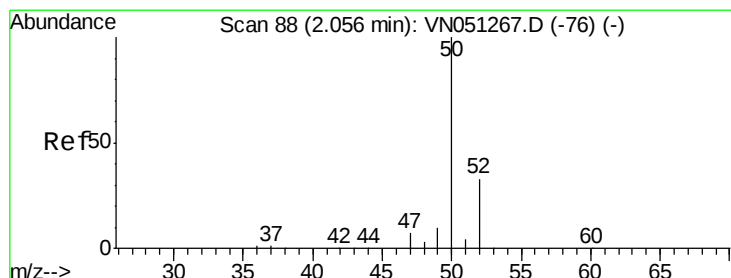
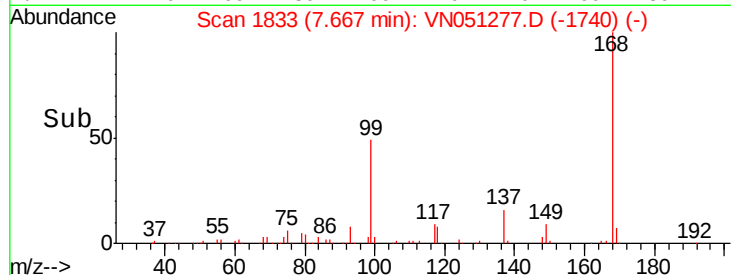
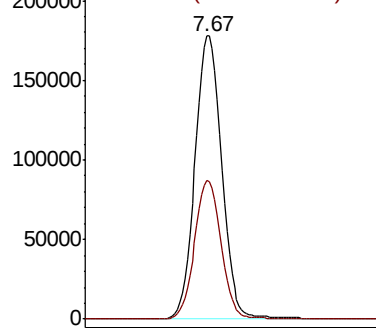
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VN051277.D
 Acq: 17 Sep 2018 18:13

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:168 Resp: 427730
 Ion Ratio Lower Upper
 168 100
 99 48.9 38.2 57.4



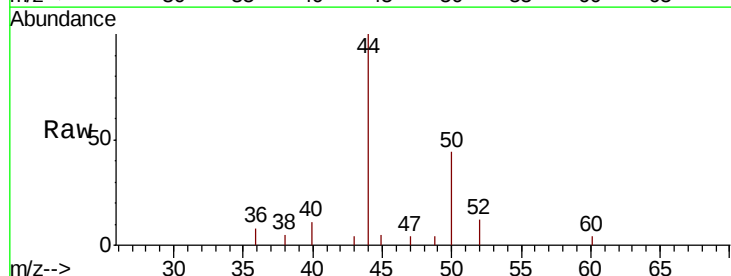
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VNO



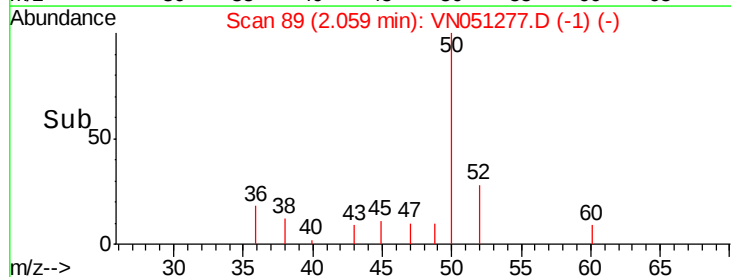
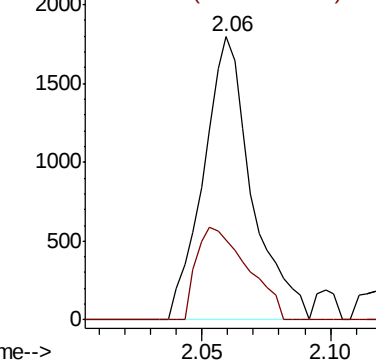
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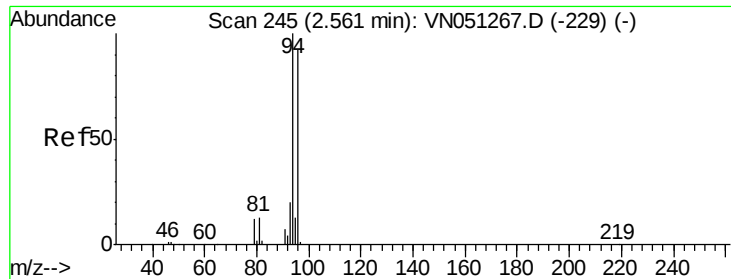
Chloromethane
 Concen: Below Cal
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN051277.D
 Acq: 17 Sep 2018 18:13

Tgt Ion: 50 Resp: 2344
 Ion Ratio Lower Upper
 50 100
 52 28.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO
 Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 1.33 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

Instrument :

MSVOA_N

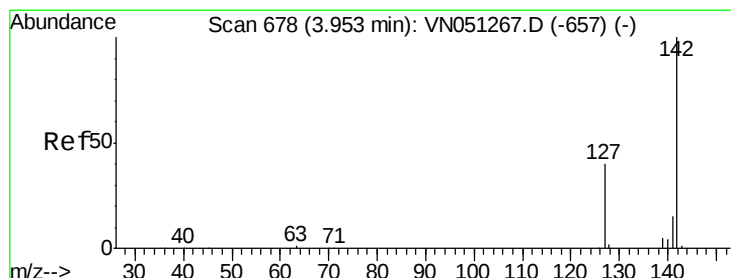
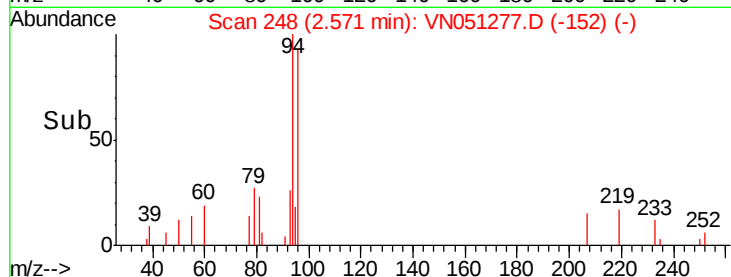
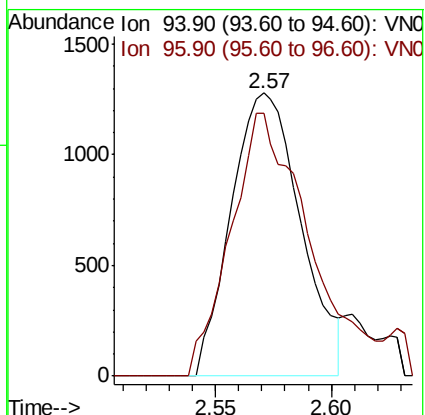
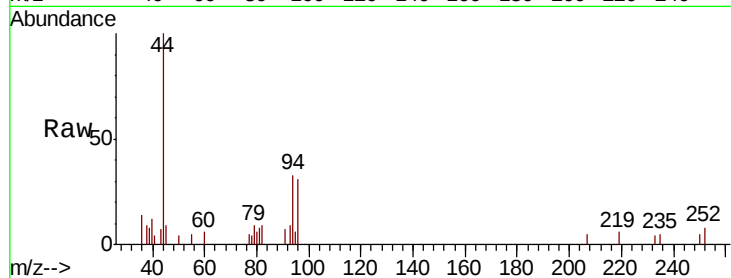
ClientSampleId :

Tot Ion: 94 Resp: 2669

Ion Ratio Lower Upper

94 100

96 93.0 73.8 110.8



#10

Methyl Iodide

Concen: 6.33 ug/l

RT: 3.96 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

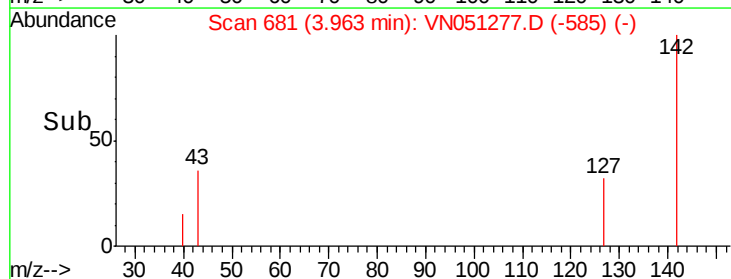
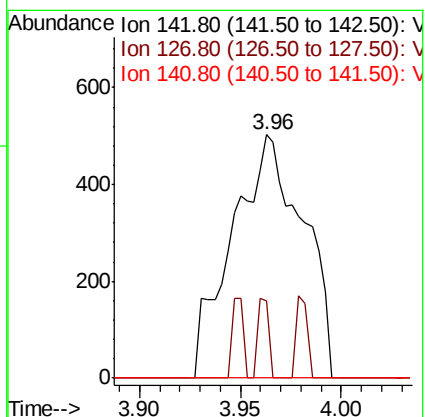
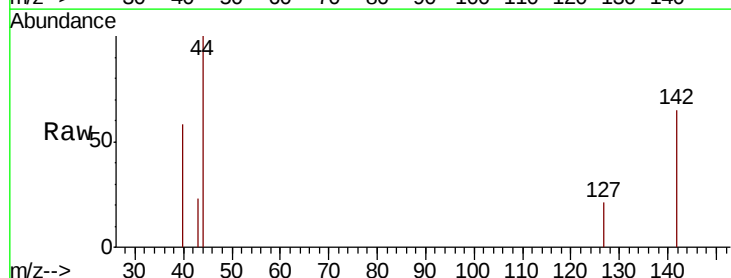
Tgt Ion: 142 Resp: 1224

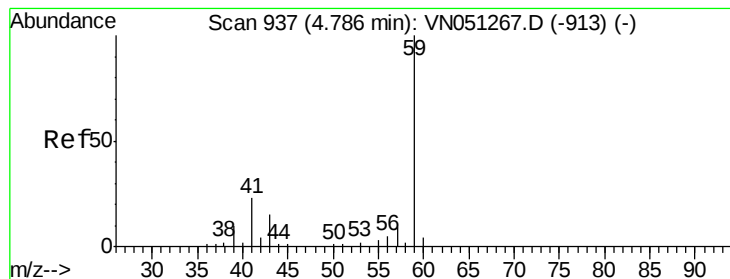
Ion Ratio Lower Upper

142 100

127 5.1 31.7 47.5#

141 0.0 11.6 17.4#



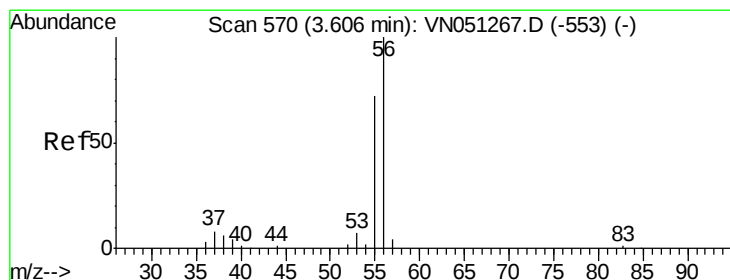
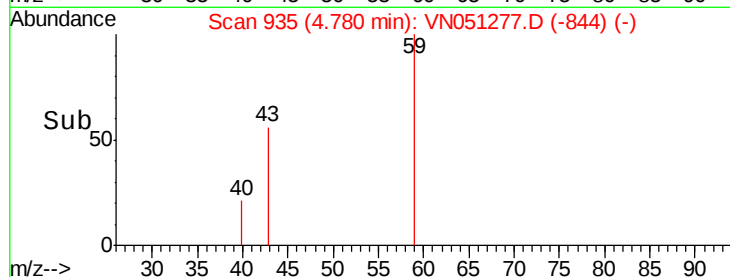
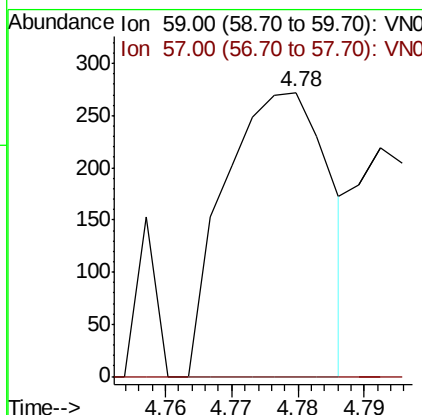
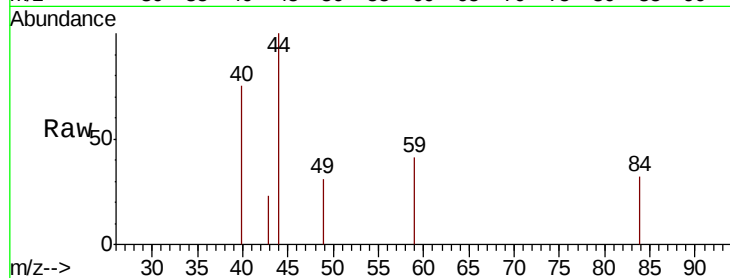


#11

Tert butyl alcohol
 Concen: 1.17 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN051277.D
 Acq: 17 Sep 2018 18:13

Instrument :
 MSVOA_N
 ClientSampled :

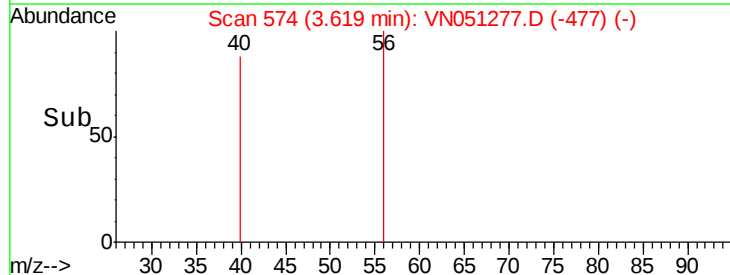
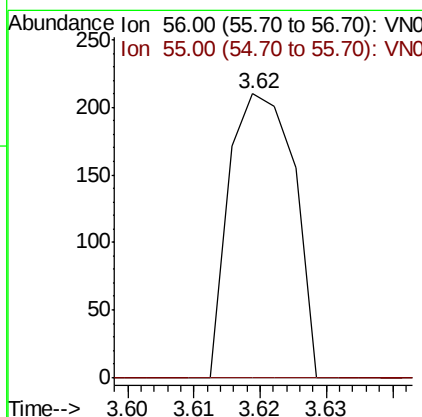
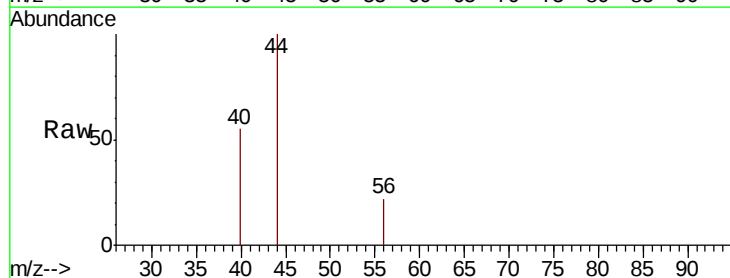
Tot Ion: 59 Resp: 299
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

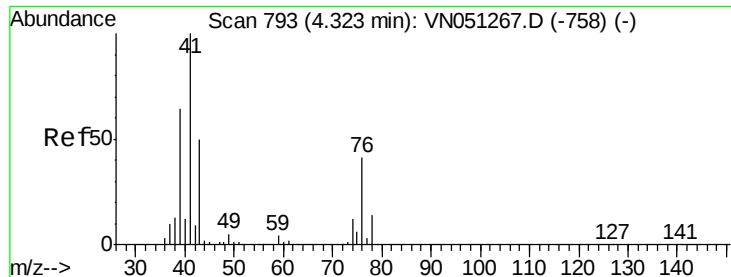


#13

Acrolein
 Concen: 10.69 ug/l
 RT: 3.62 min Scan# 574
 Delta R.T. 0.01 min
 Lab File: VN051277.D
 Acq: 17 Sep 2018 18:13

Tgt Ion: 56 Resp: 142
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.4 84.6#

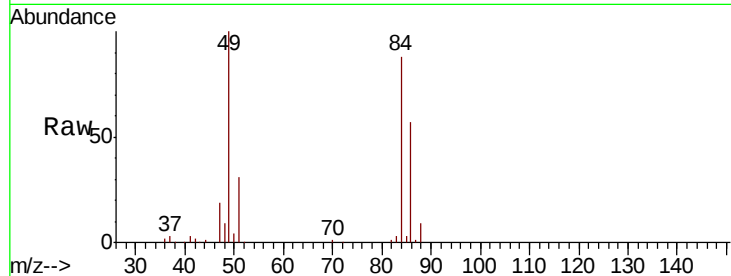




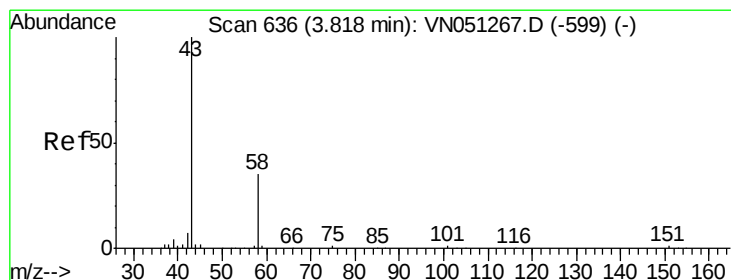
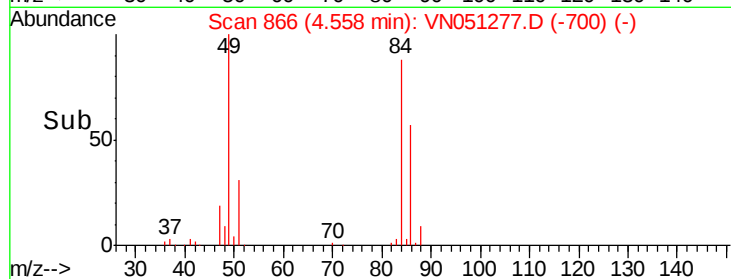
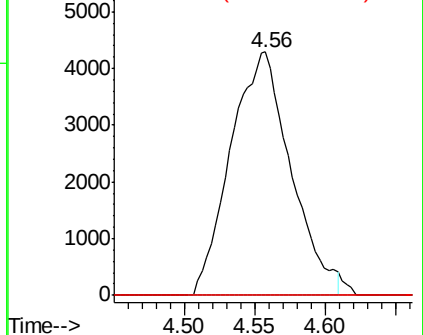
#14
Allvl chloride
Concen: 2.00 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.23 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 12815
Ion Ratio Lower Upper
41 100
39 0.0 49.0 73.4#
76 0.0 31.4 47.0#

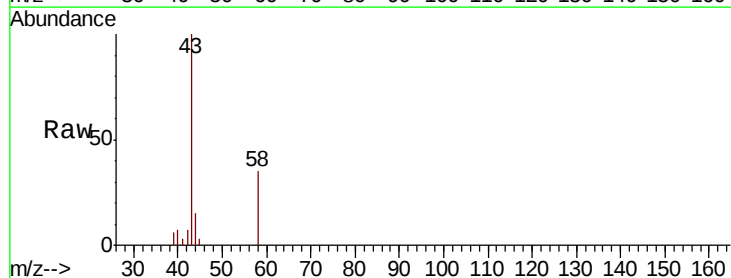


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO

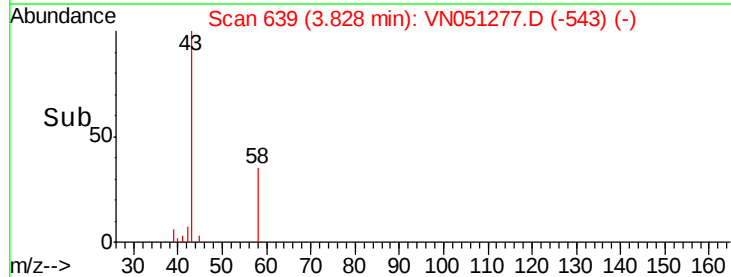
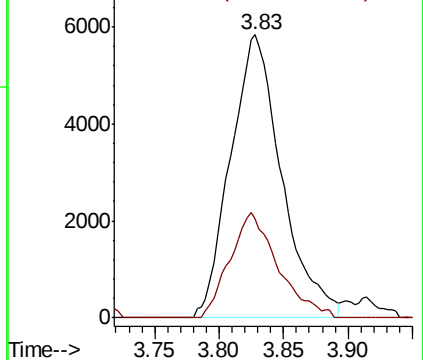


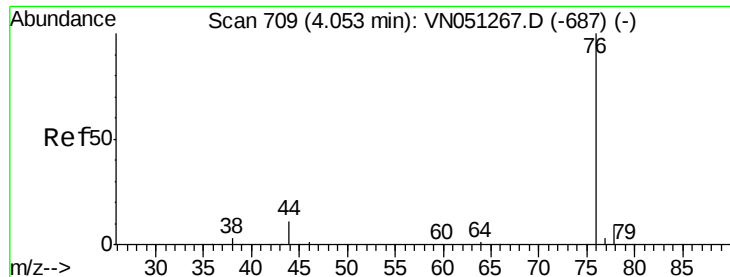
#16
Acetone
Concen: 5.90 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

Tgt Ion: 43 Resp: 16101
Ion Ratio Lower Upper
43 100
58 35.0 28.2 42.2



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

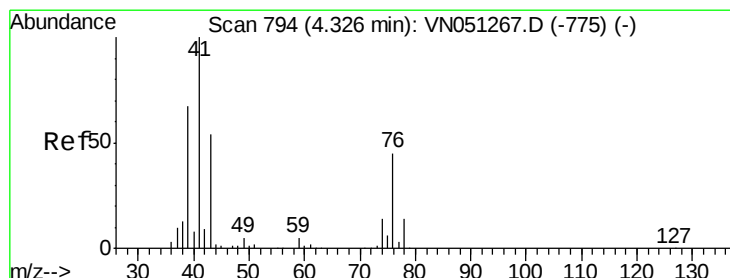
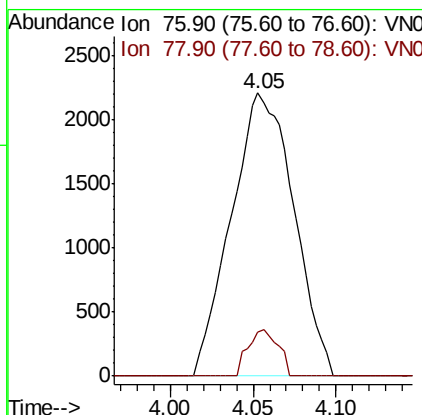
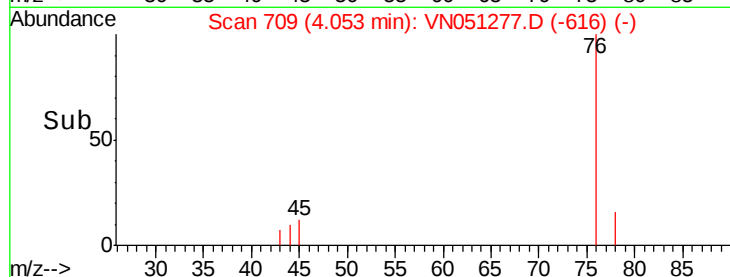
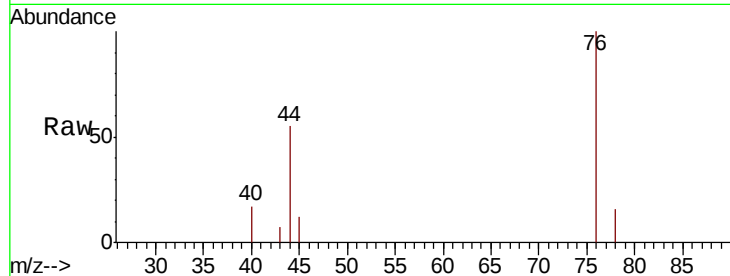




#17
Carbon Disulfide
Concen: 0.33 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

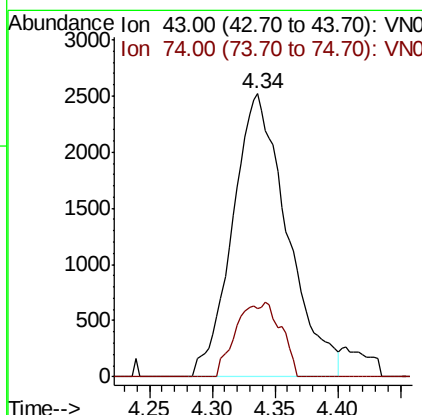
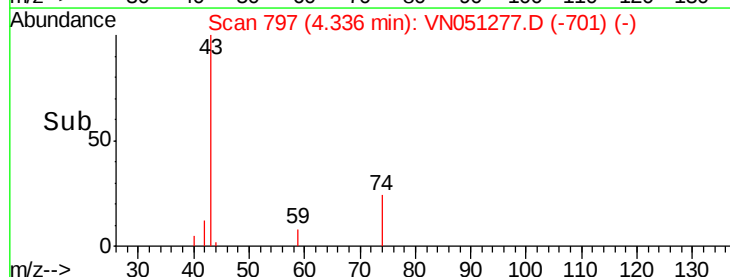
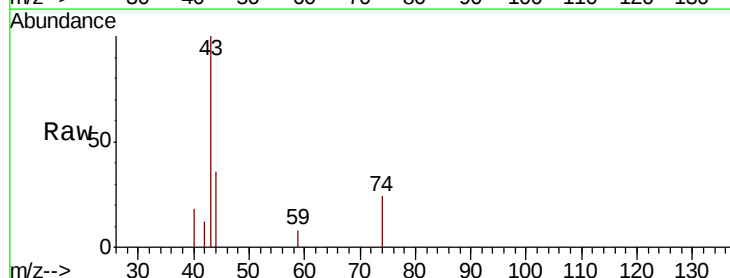
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MSVOA_N
ClientSampleId :

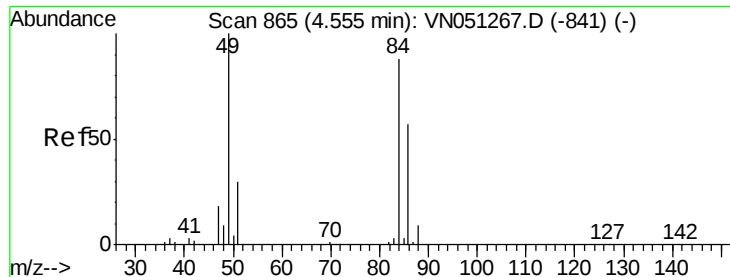
Tot Ion: 76 Resp: 5792
Ion Ratio Lower Upper
76 100
78 15.6 7.4 11.0#



#18
Methyl Acetate
Concen: 1.70 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

Tgt Ion: 43 Resp: 7643
Ion Ratio Lower Upper
43 100
74 21.5 20.8 31.2

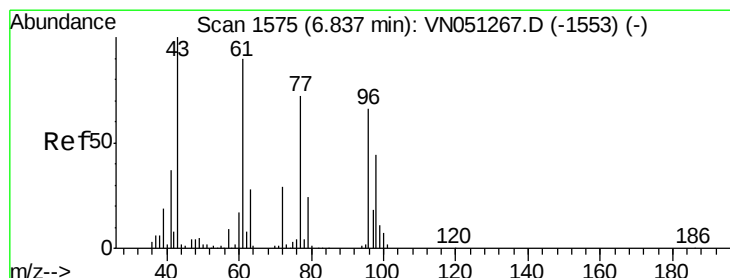
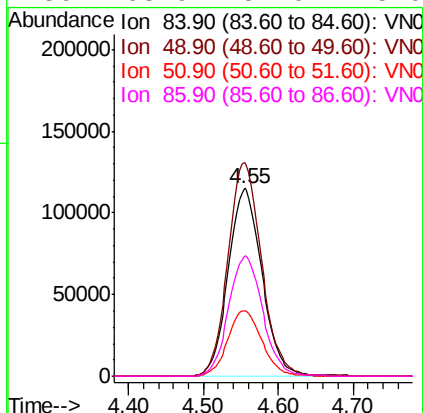
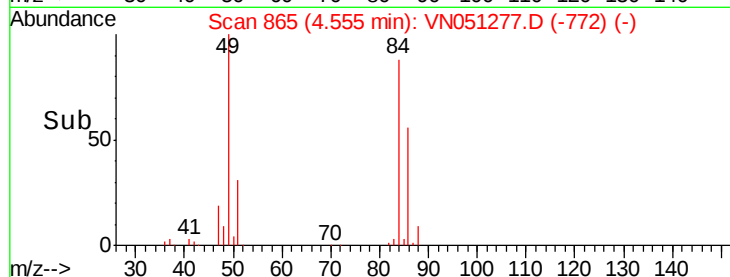
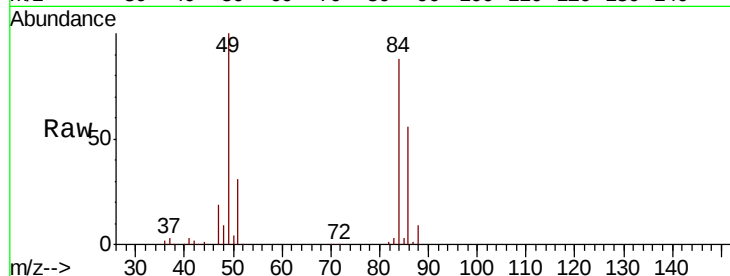




#20
Methvlene Chloride
Concen: 71.01 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

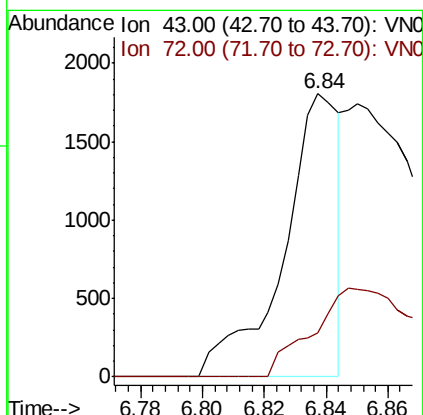
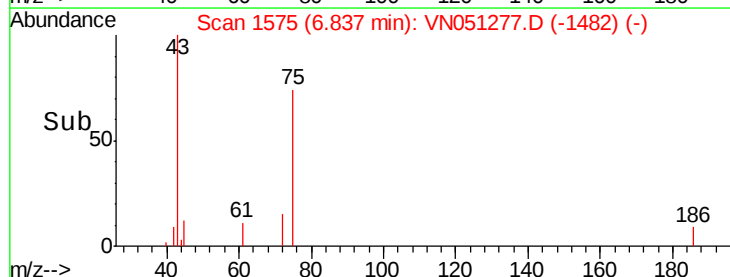
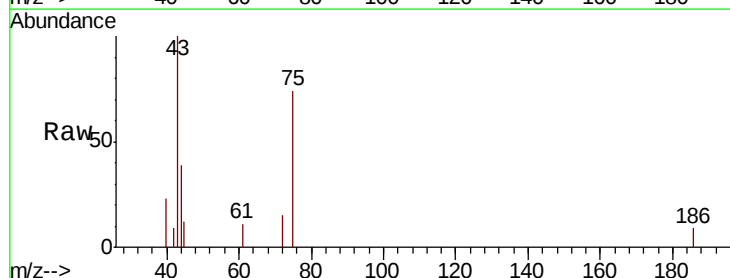
Instrument :
MSVOA_N
ClientSampleId :

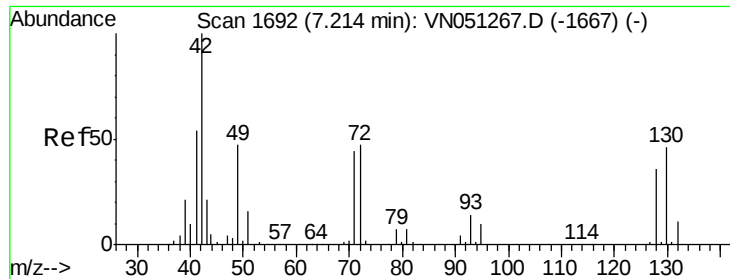
Tot Ion:	84	Resp:	361310
Ion	Ratio	Lower	Upper
84	100		
49	113.8	91.2	136.8
51	34.9	27.7	41.5
86	63.9	52.0	78.0



#25
2-Butanone
Concen: 1.50 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

Tgt Ion:	43	Resp:	2240
Ion	Ratio	Lower	Upper
43	100		
72	15.3	23.4	35.0#

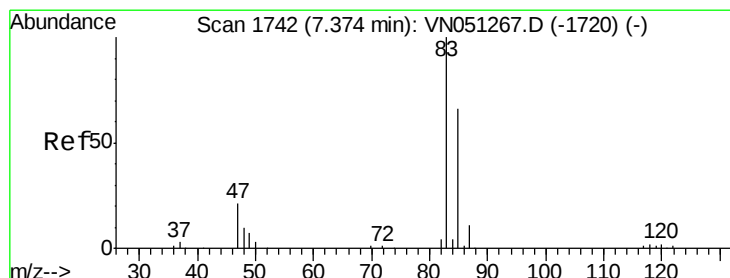
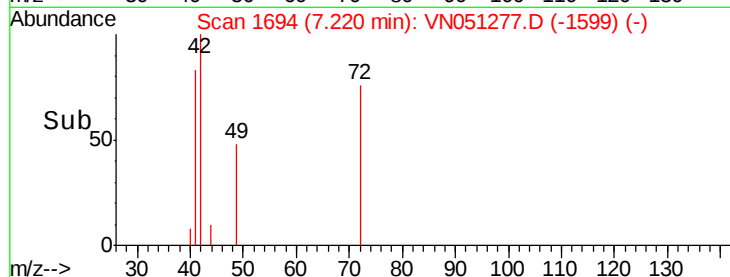
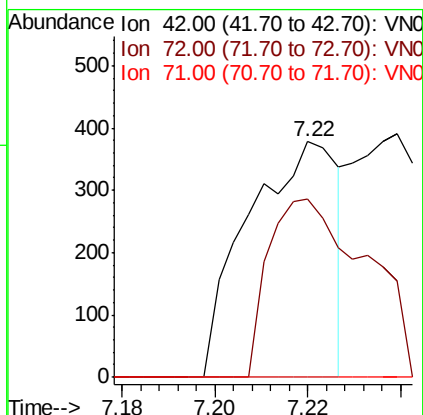
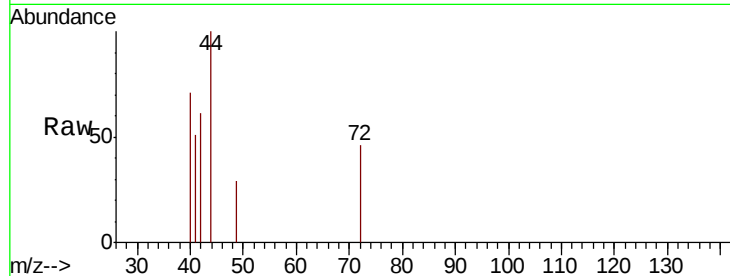




#29
Tetrahydrofuran
Concen: 0.56 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

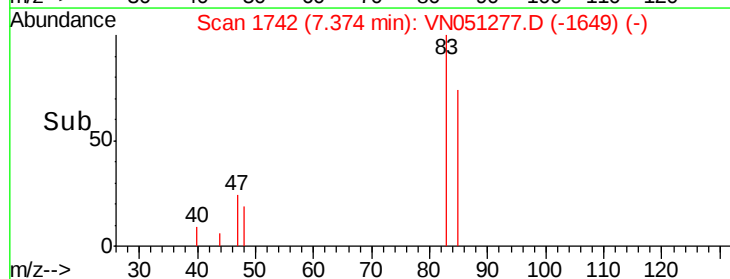
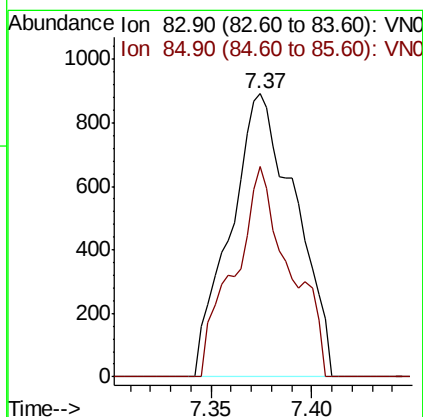
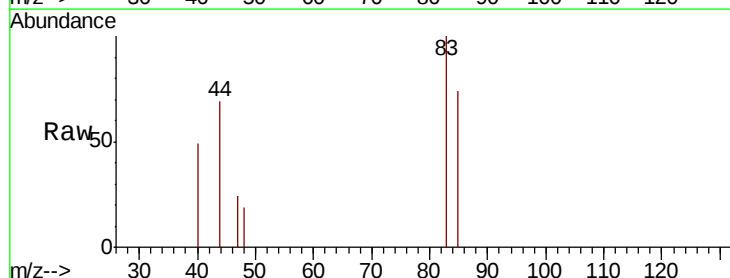
Instrument :
MSVOA_N
ClientSampled :

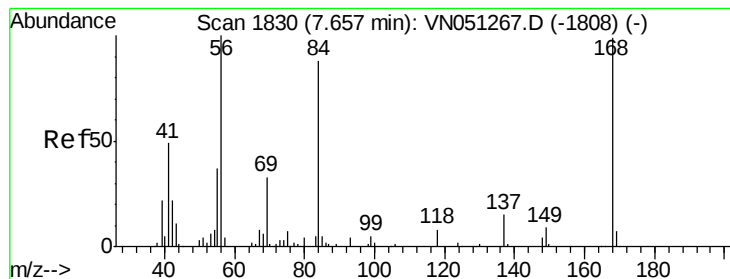
Tot Ion: 42 Resp: 511
Ion Ratio Lower Upper
42 100
72 82.2 37.6 56.4#
71 0.0 35.4 53.2#



#30
Chloroform
Concen: 0.24 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

Tgt Ion: 83 Resp: 2003
Ion Ratio Lower Upper
83 100
85 74.3 52.4 78.6





#31

Cyclohexane

Concen: 0.86 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

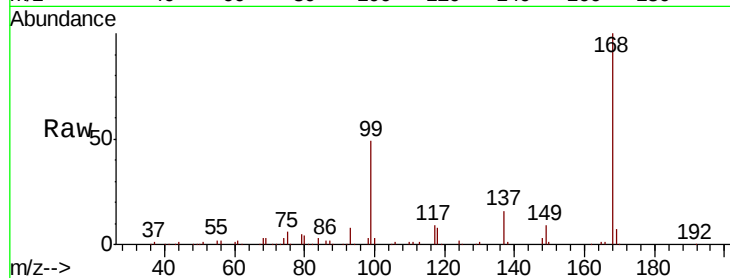
Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

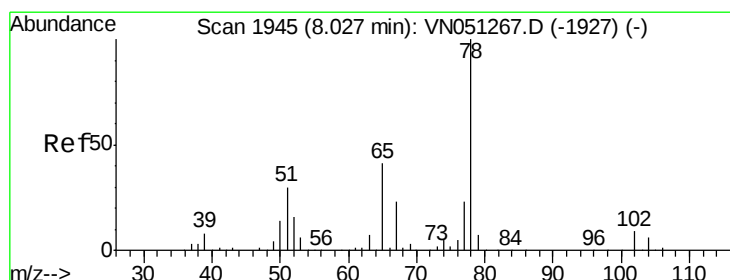
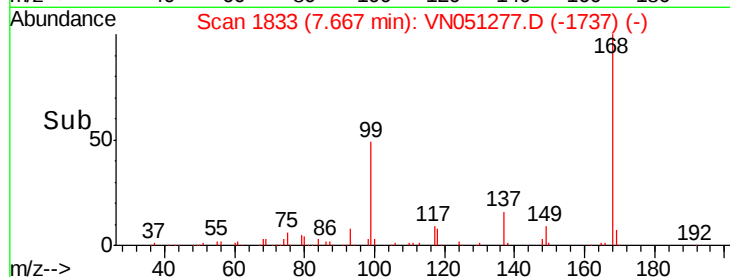
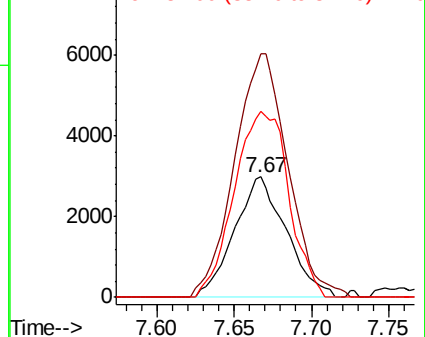
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 6921

Ion	Ratio	Lower	Upper
56	100		
69	201.6	26.2	39.2#
84	154.6	70.6	106.0#



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



#33

1,2-Dichloroethane-d4

Concen: 48.96 ug/l

RT: 8.03 min Scan# 1946

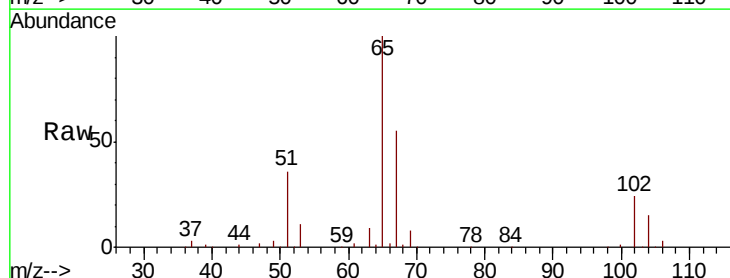
Delta R.T. 0.00 min

Lab File: VN051277.D

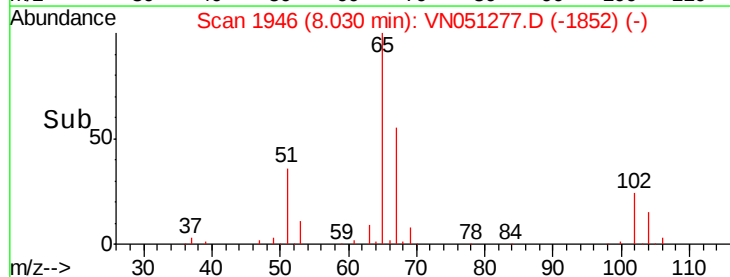
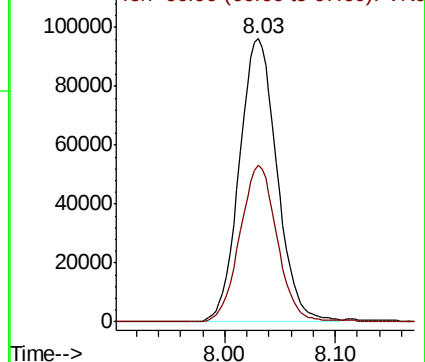
Acq: 17 Sep 2018 18:13

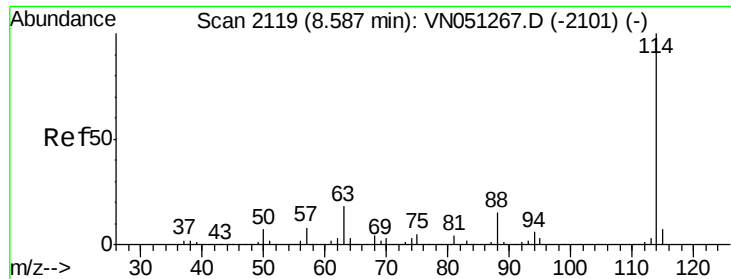
Tgt Ion: 65 Resp: 227609

Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	111.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

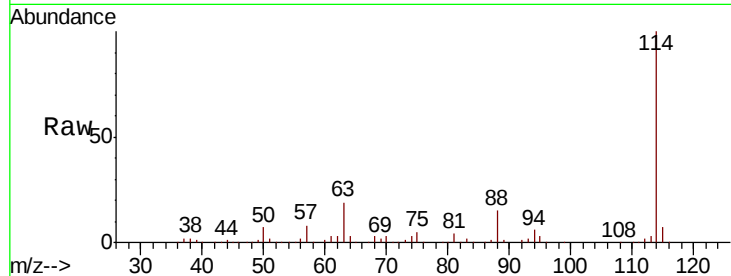




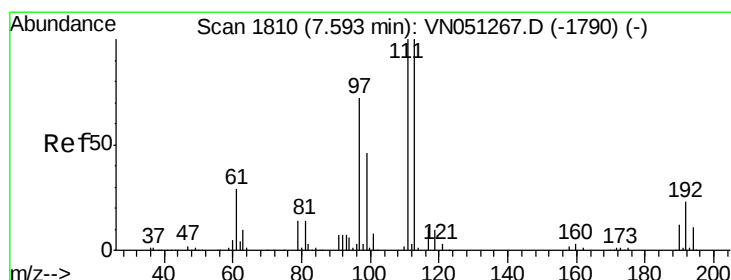
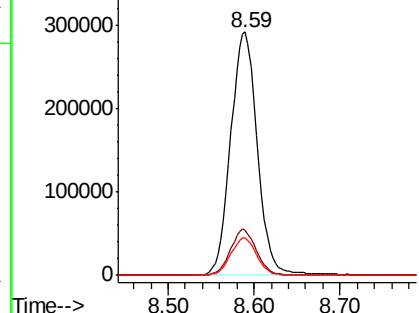
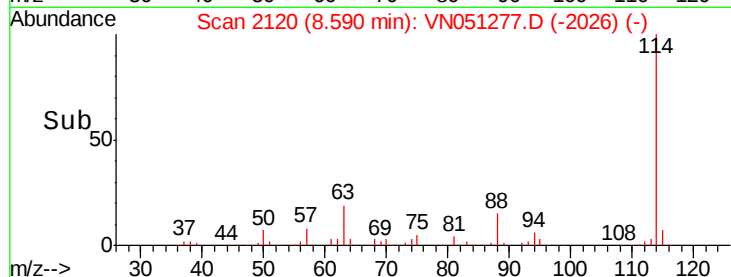
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051277.D
 Acq: 17 Sep 2018 18:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	36.8
88	15.5	0.0	30.8

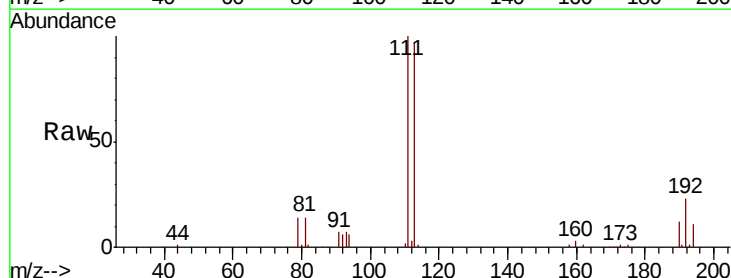


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

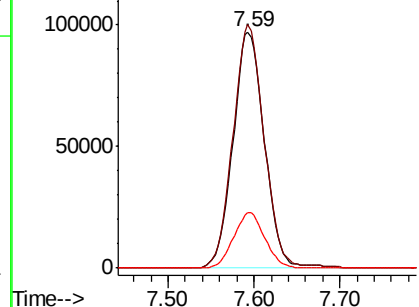
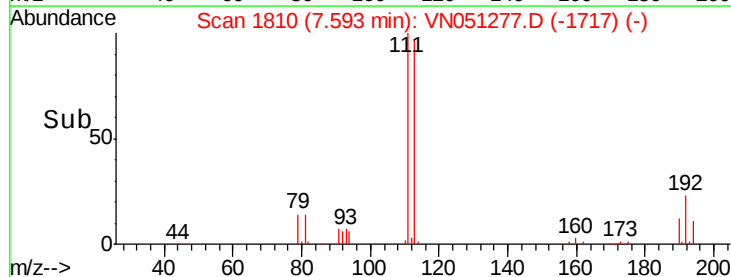


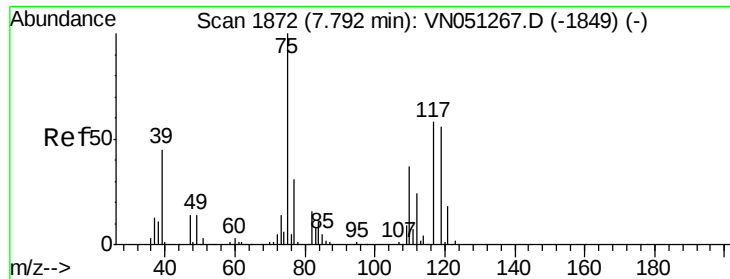
#35
 Dibromofluoromethane
 Concen: 50.39 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051277.D
 Acq: 17 Sep 2018 18:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	23.4	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

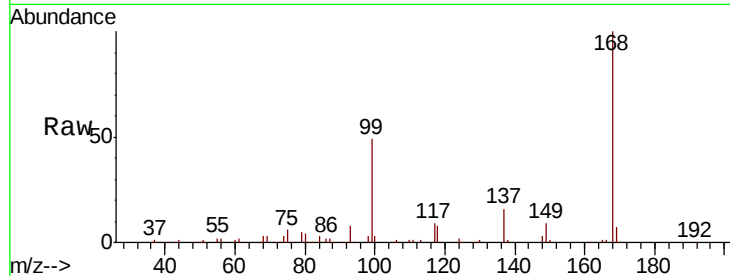




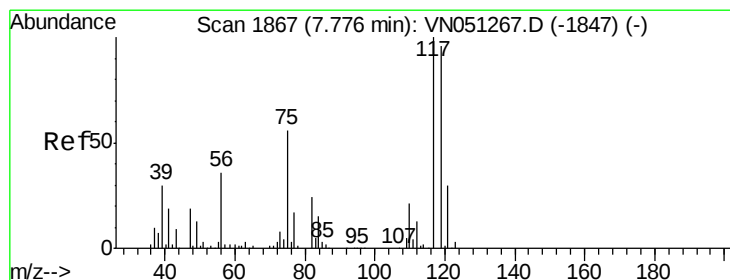
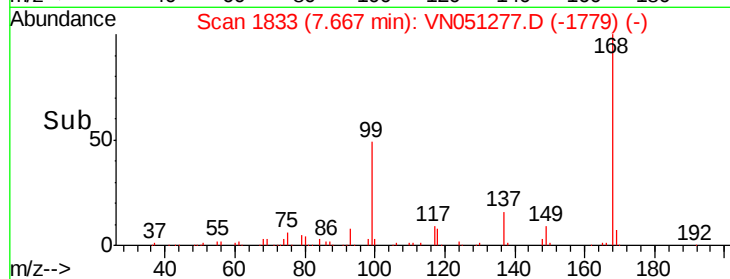
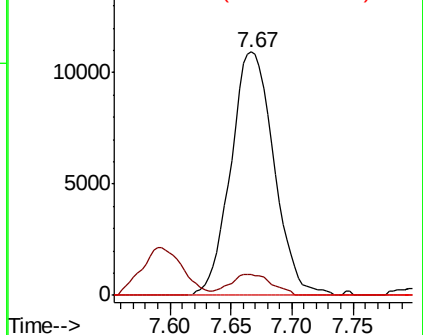
#36
 1,1-Dichloropropene
 Concen: 3.94 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051277.D
 Acq: 17 Sep 2018 18:13

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	75	110	77	Resp	Lower	Upper
26824	100	8.5	0.0		18.6	56.0#
					24.7	37.1#

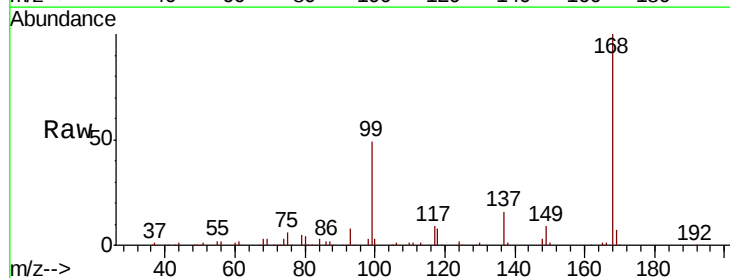


Abundance Ion 74.90 (74.60 to 75.60): VN051267.D (-1849) (-)
 Ion 109.90 (109.60 to 110.60): VN051267.D (-1849) (-)
 Ion 76.90 (76.60 to 77.60): VN051267.D (-1849) (-)

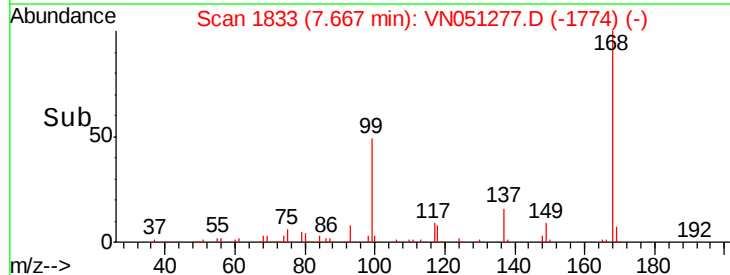
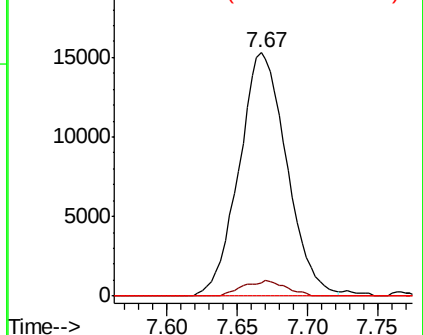


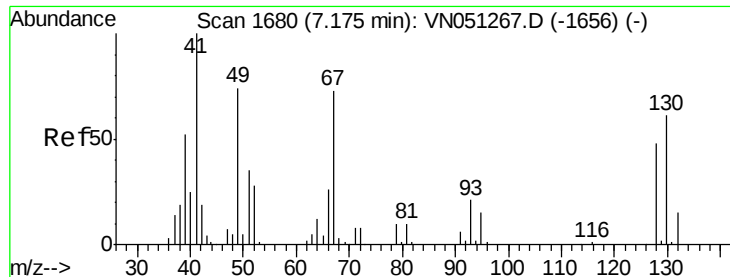
#38
 Carbon Tetrachloride
 Concen: 5.09 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051277.D
 Acq: 17 Sep 2018 18:13

Tgt Ion	117	119	121	Resp	Lower	Upper
36183	100	5.6	0.0		76.8	115.2#
					24.2	36.2#



Abundance Ion 116.80 (116.50 to 117.50): VN051267.D (-1847) (-)
 Ion 118.80 (118.50 to 119.50): VN051267.D (-1847) (-)
 Ion 120.80 (120.50 to 121.50): VN051267.D (-1847) (-)

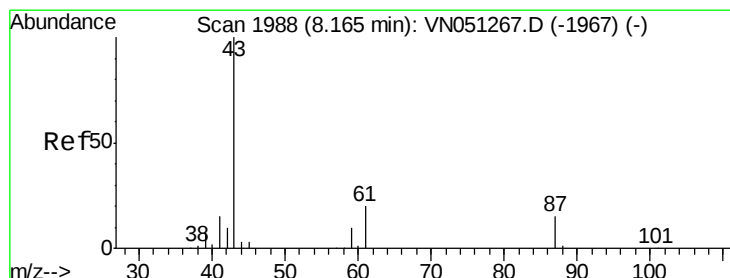
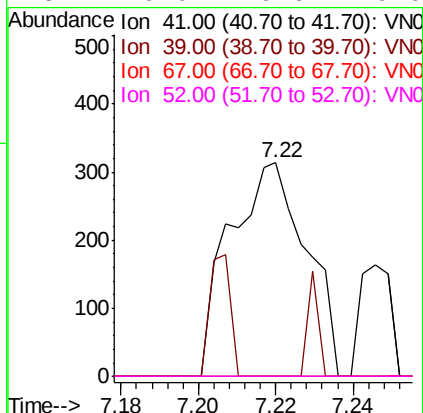
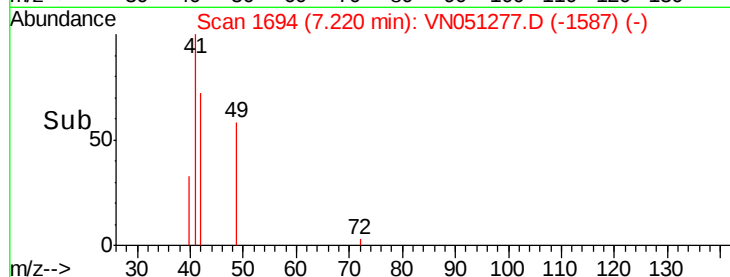
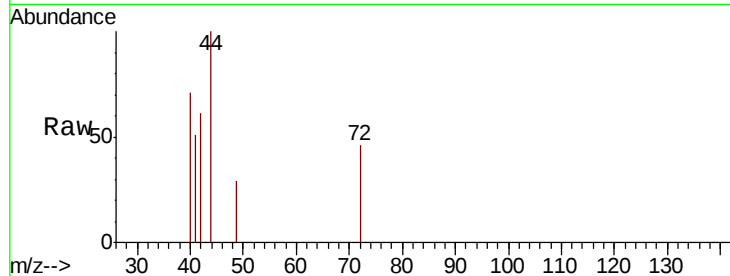




#41
Methacrylonitrile
Concen: 0.24 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.04 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

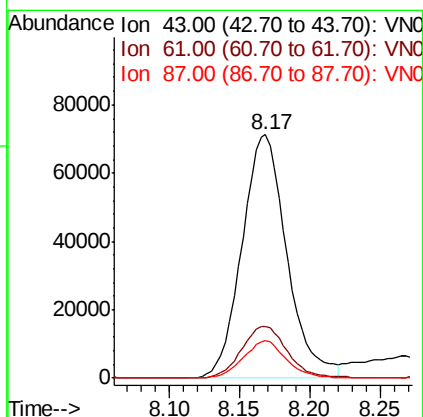
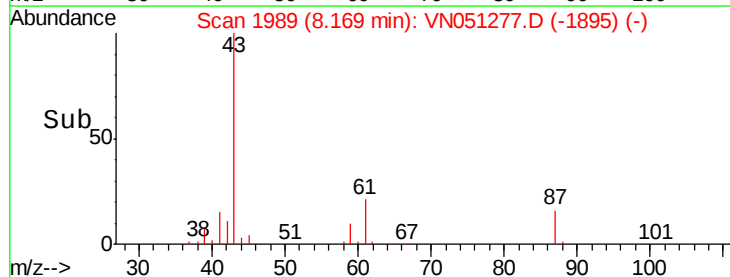
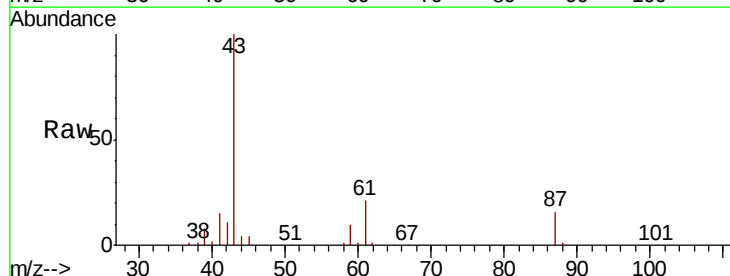
Instrument :
MSVOA_N
ClientSampled :

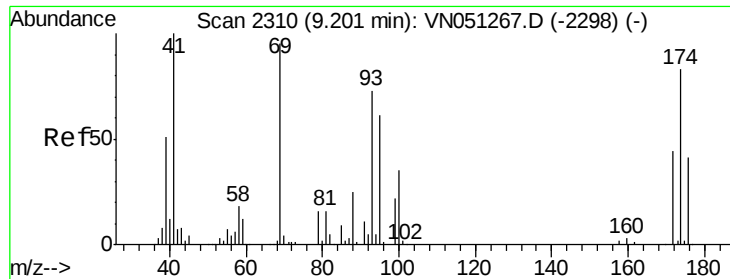
Tot Ion: 41 Resp: 432
Ion Ratio Lower Upper
41 100
39 6.9 47.8 71.6#
67 0.0 69.8 104.6#
52 0.0 26.6 40.0#



#43
Isopropyl Acetate
Concen: 26.22 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

Tgt Ion: 43 Resp: 158857
Ion Ratio Lower Upper
43 100
61 21.7 17.4 26.2
87 14.8 12.2 18.4

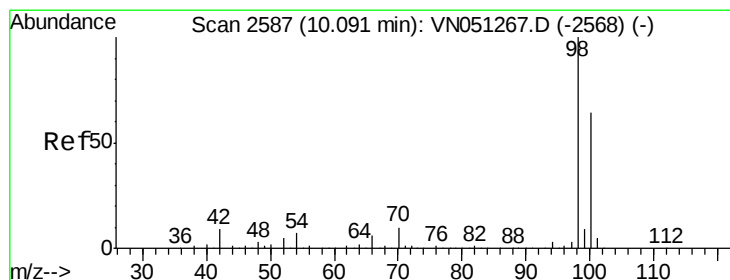
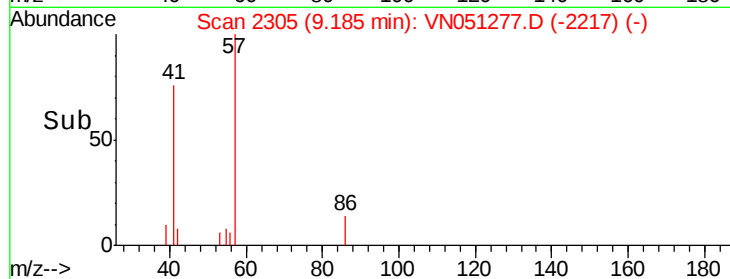
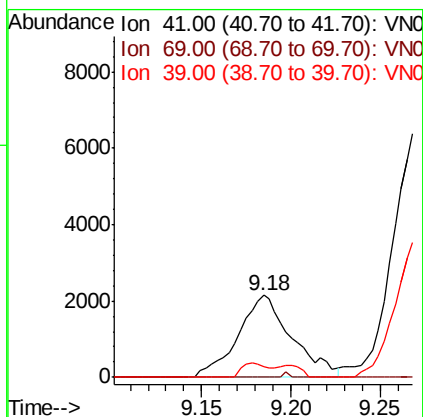
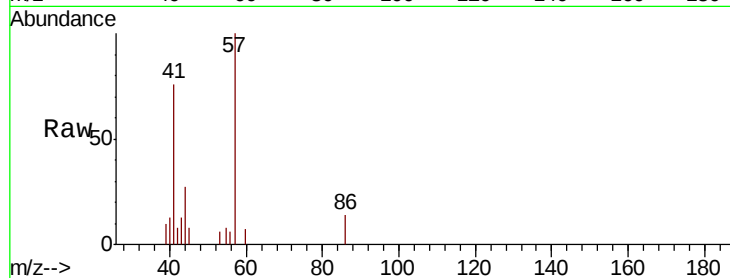




#48
Methvl methacrylate
Concen: 1.55 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

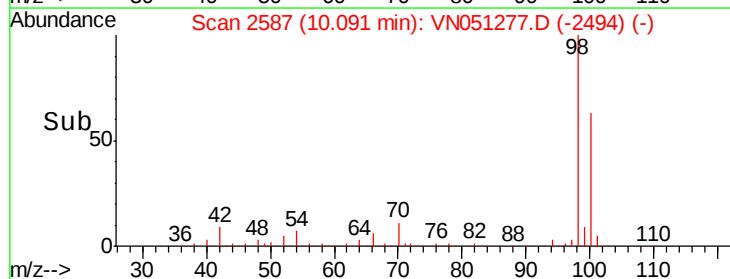
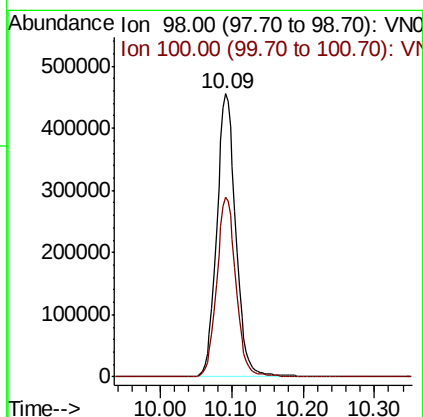
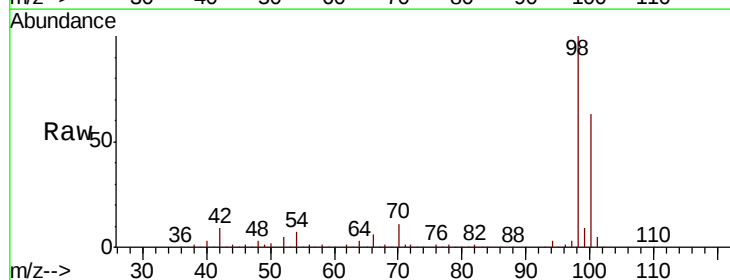
Instrument :
MSVOA_N
ClientSampleId :

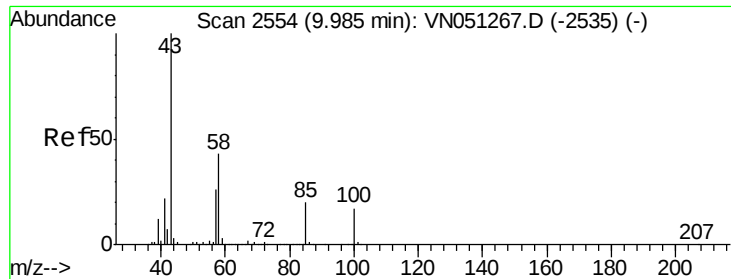
Tot Ion: 41 Resp: 4510
Ion Ratio Lower Upper
41 100
69 0.0 78.9 118.3#
39 7.6 42.2 63.2#



#50
Toluene-d8
Concen: 46.73 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

Tgt Ion: 98 Resp: 844486
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.63 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

Instrument :

MSVOA_N

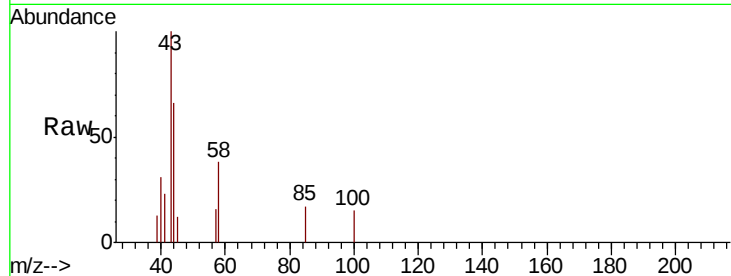
ClientSampleId :

Tot Ion: 43 Resp: 1967

Ion Ratio Lower Upper

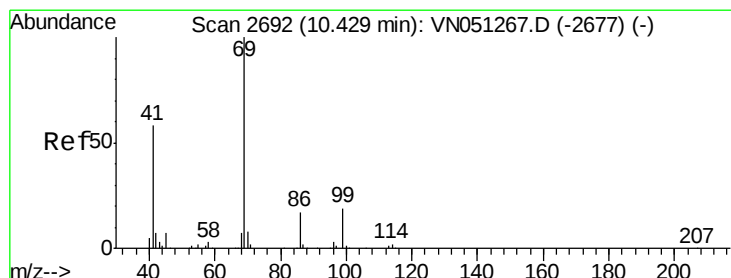
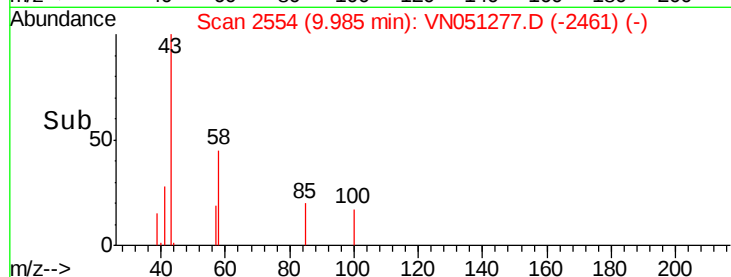
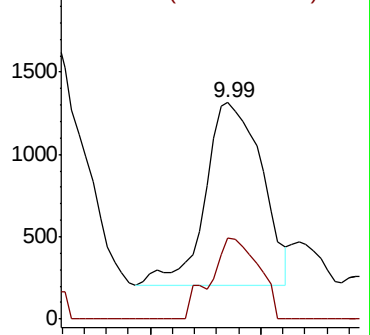
43 100

58 37.9 33.8 50.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#56

Ethyl methacrylate

Concen: 2.09 ug/l

RT: 10.44 min Scan# 2694

Delta R.T. 0.01 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

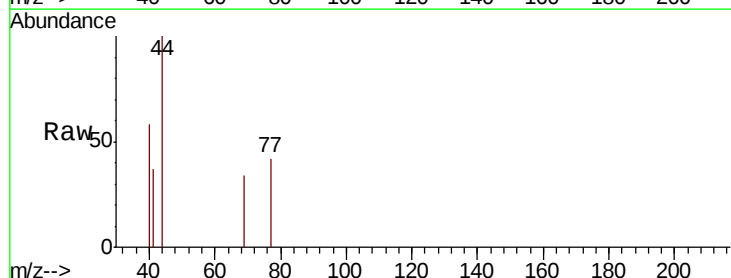
Tgt Ion: 69 Resp: 146

Ion Ratio Lower Upper

69 100

41 137.7 47.4 71.0#

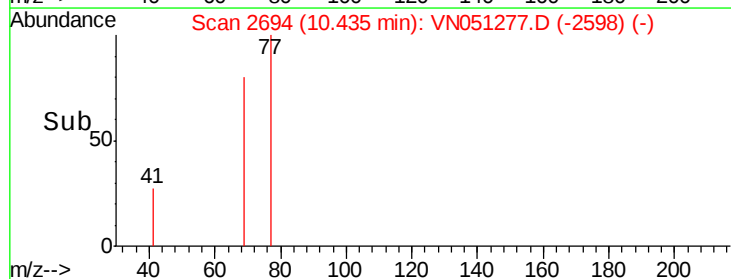
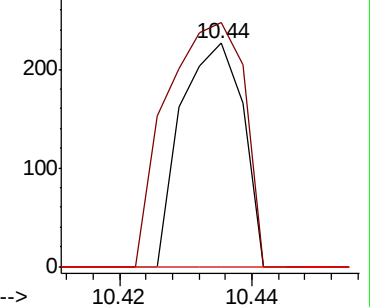
39 0.0 23.7 35.5#

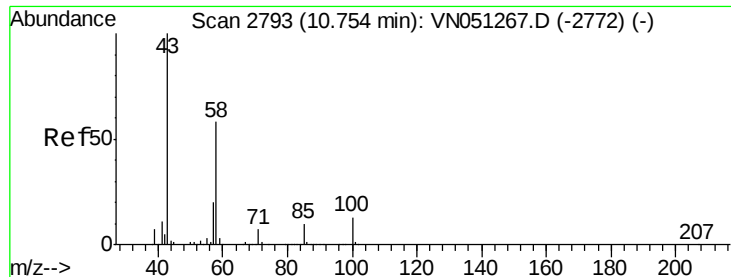


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

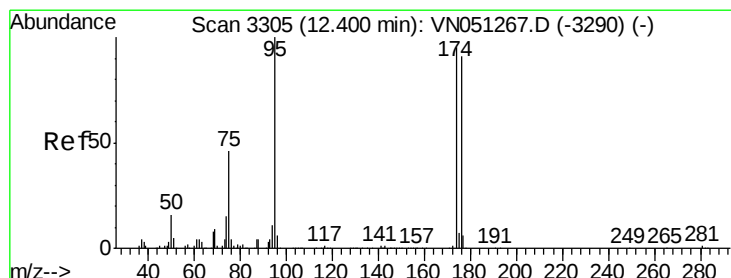
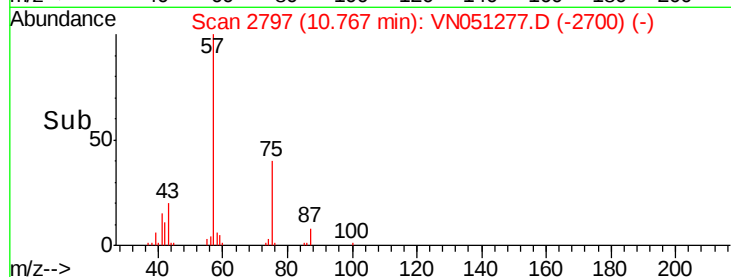
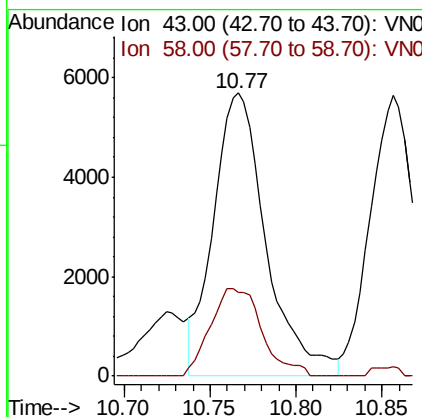
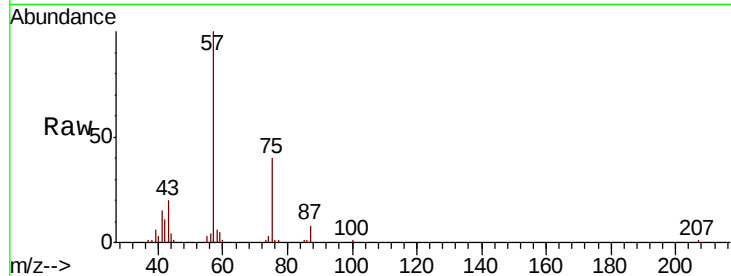




#59
2-Hexanone
Concen: 5.92 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

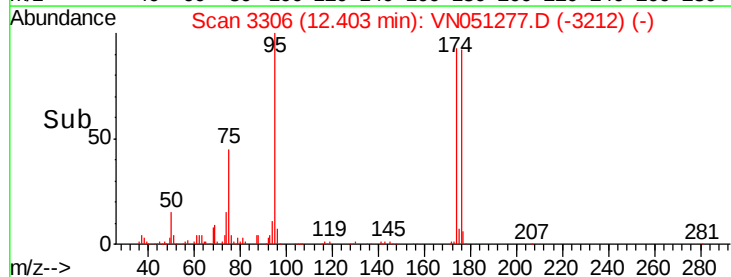
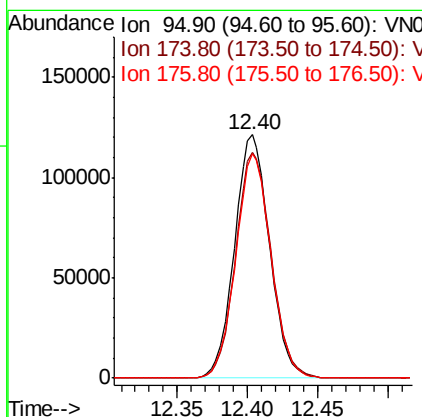
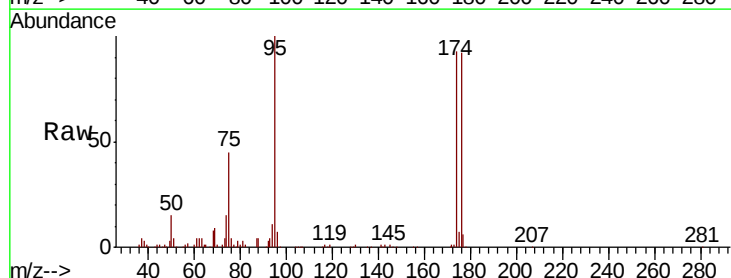
Instrument :
MSVOA_N
ClientSampleId :

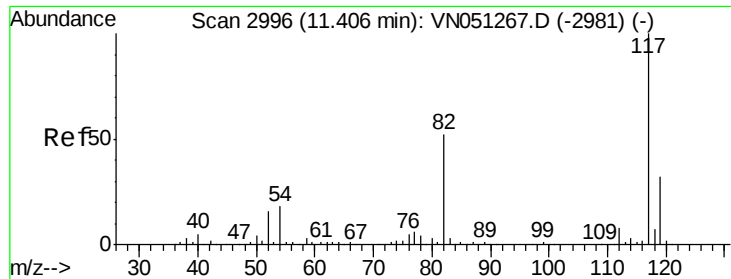
Tot Ion: 43 Resp: 12179
Ion Ratio Lower Upper
43 100
58 30.2 28.9 86.8



#62
4-Bromofluorobenzene
Concen: 36.67 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

Tgt Ion: 95 Resp: 210789
Ion Ratio Lower Upper
95 100
174 94.4 0.0 189.6
176 92.7 0.0 182.6

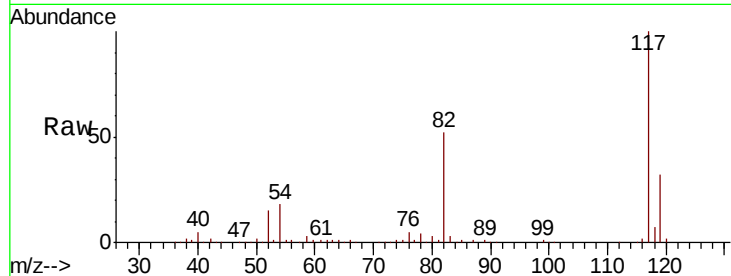




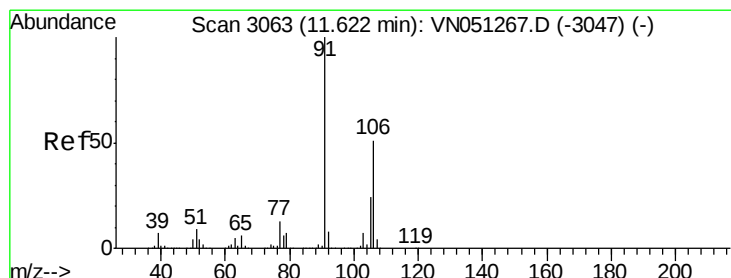
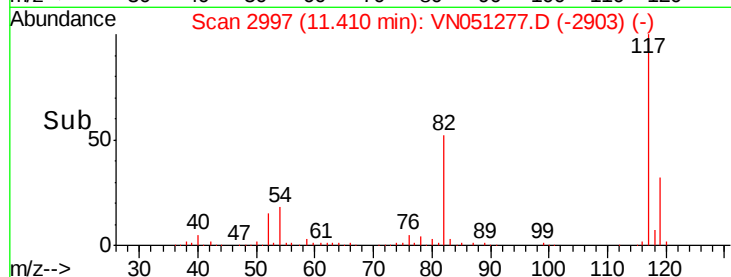
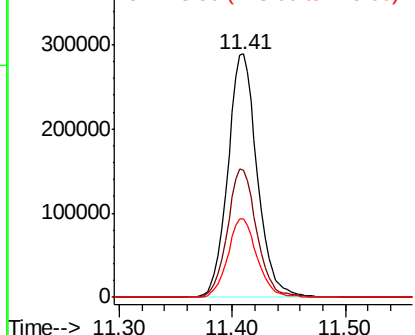
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 520766
Ion Ratio Lower Upper
117 100
82 52.3 41.8 62.8
119 32.1 25.6 38.4

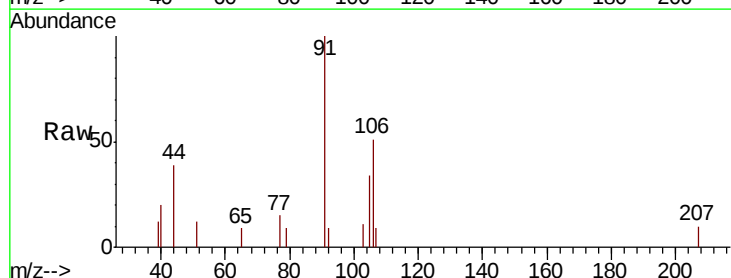


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

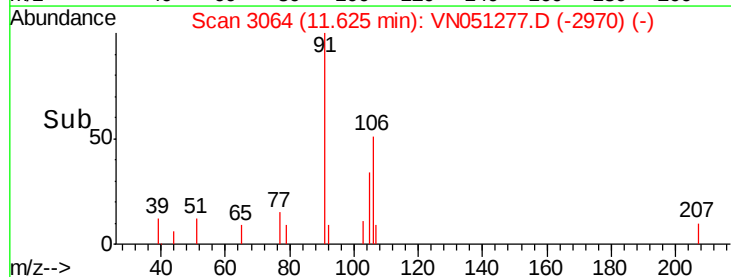
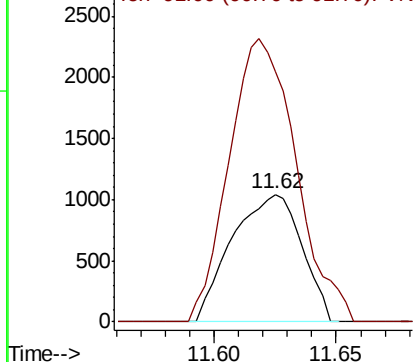


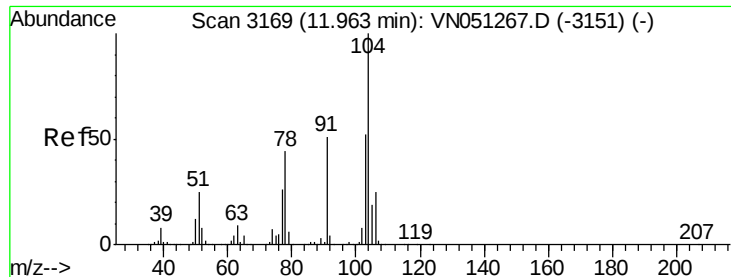
#68
m/p-Xylenes
Concen: 0.26 ug/l
RT: 11.62 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

Tgt Ion:106 Resp: 2076
Ion Ratio Lower Upper
106 100
91 212.6 158.6 238.0



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





#70

Stvrene

Concen: 1.41 ug/l

RT: 11.97 min Scan# 3171

Delta R.T. 0.01 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

Instrument :

MSVOA_N

ClientSampled :

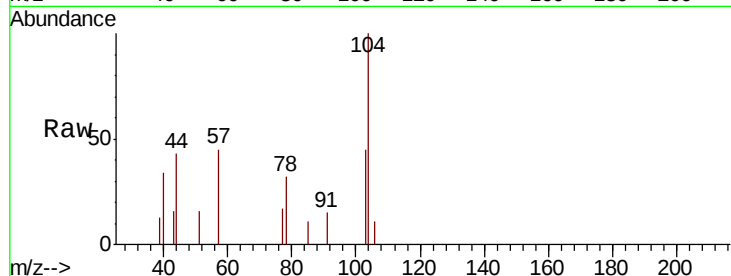
Tot Ion:104 Resp: 2300

Ion Ratio Lower Upper

104 100

78 42.5 38.1 57.1

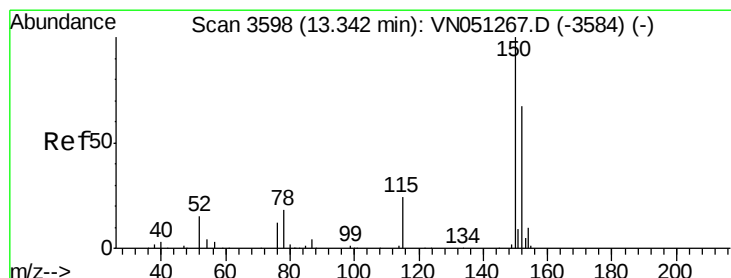
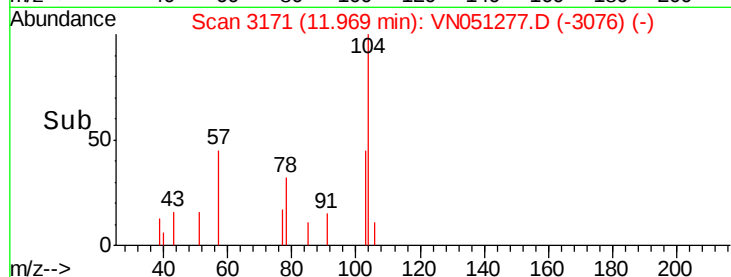
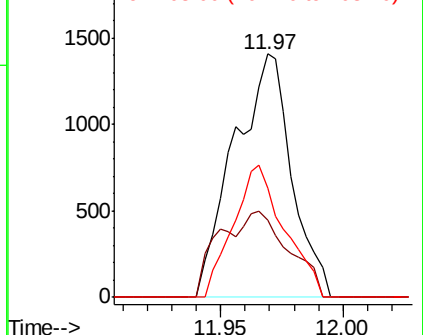
103 48.2 44.8 67.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

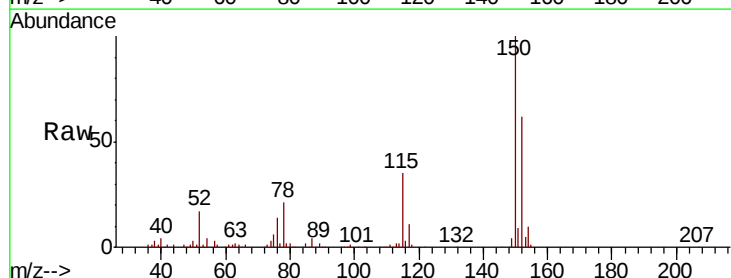
Tgt Ion:152 Resp: 148349

Ion Ratio Lower Upper

152 100

115 55.3 27.1 81.2

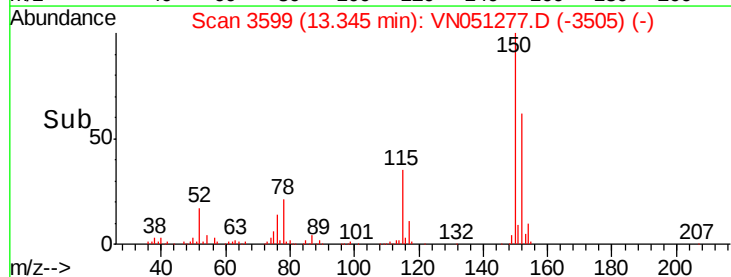
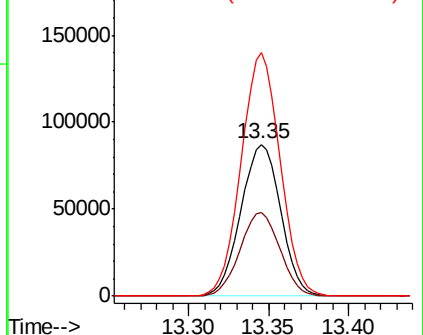
150 157.2 0.0 349.0

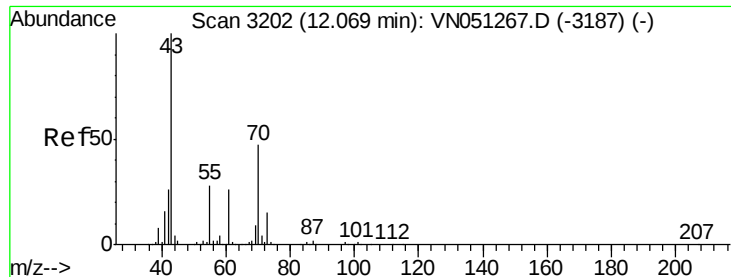


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.35 ug/l

RT: 12.08 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 886

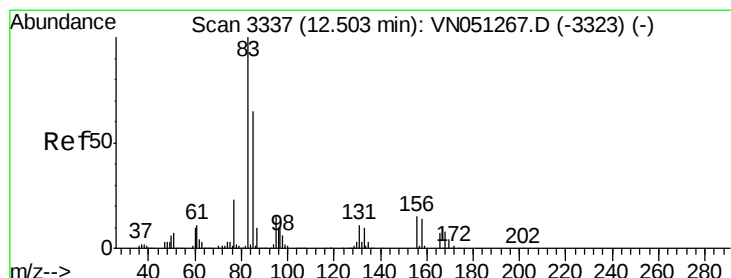
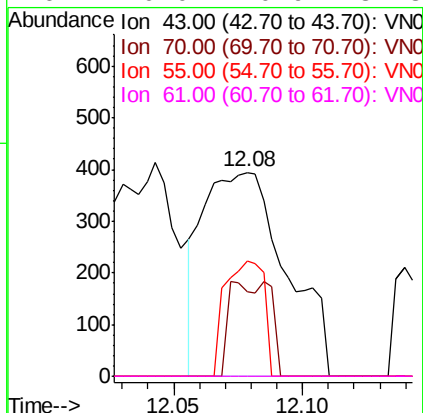
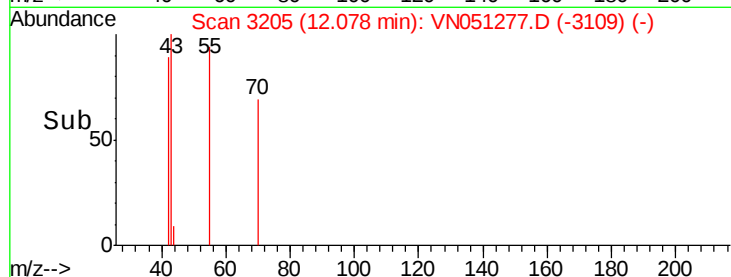
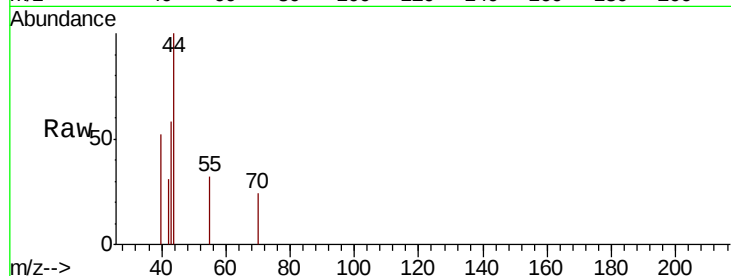
Ion Ratio Lower Upper

43 100

70 15.0 37.8 56.6#

55 26.3 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# 3340

Delta R.T. 0.01 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

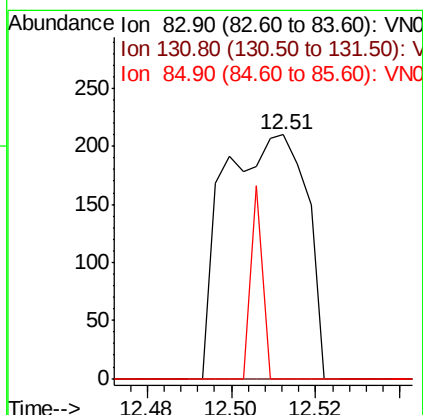
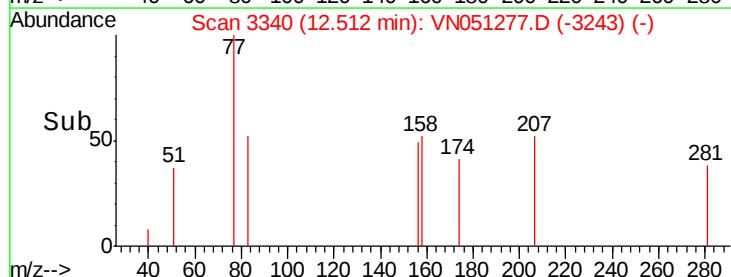
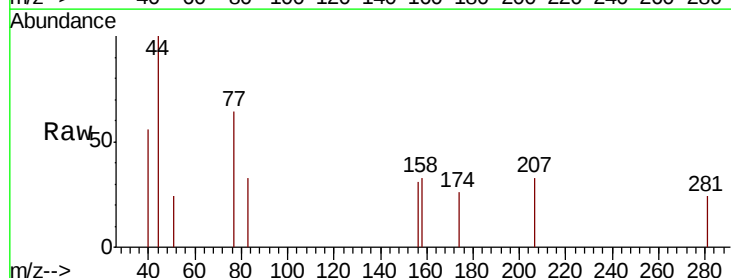
Tgt Ion: 83 Resp: 284

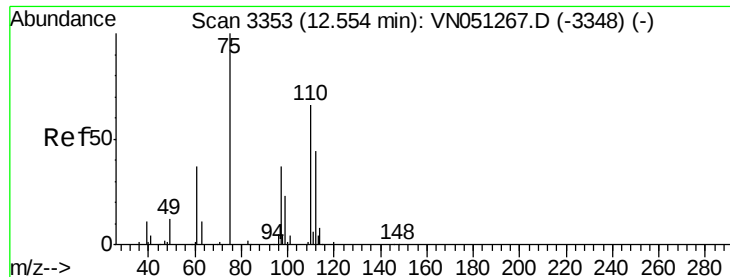
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

85 11.3 32.3 96.9#





#76

1,2,3-Trichloropropane

Concen: 47.18 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

Instrument :

MSVOA_N

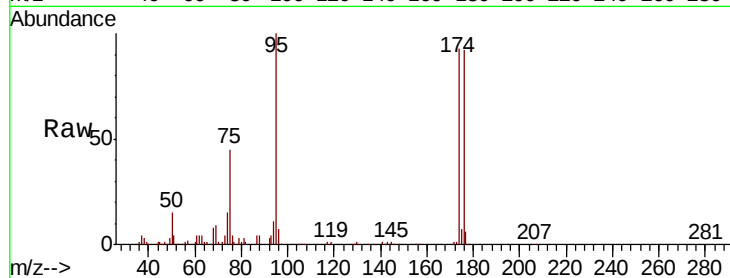
ClientSampleId :

Tot Ion: 75 Resp: 96002

Ion Ratio Lower Upper

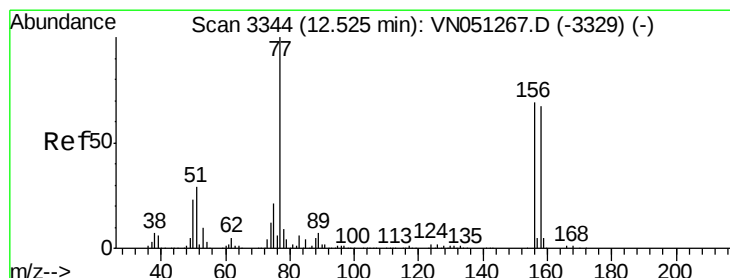
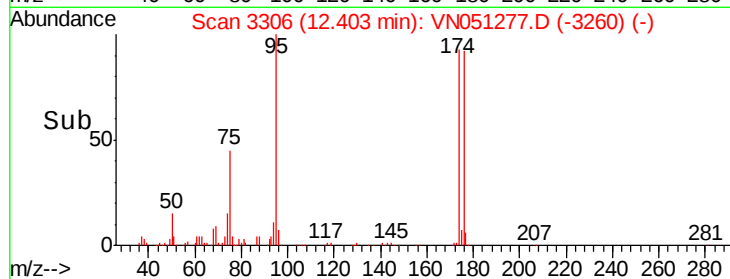
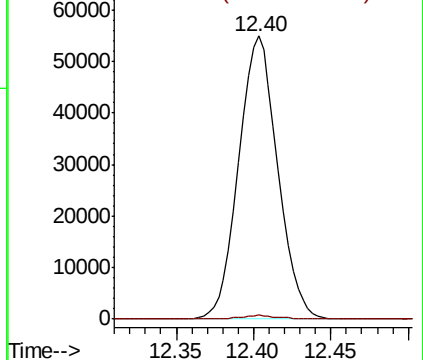
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

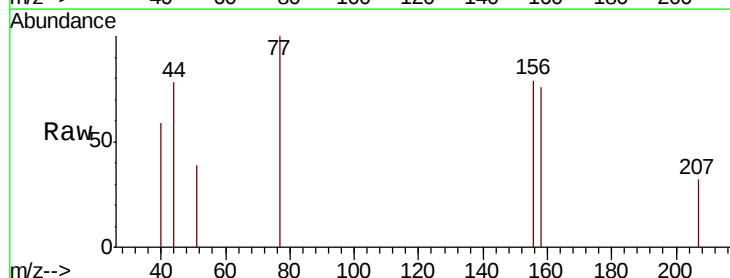
Tgt Ion: 156 Resp: 811

Ion Ratio Lower Upper

156 100

77 186.2 83.7 251.1

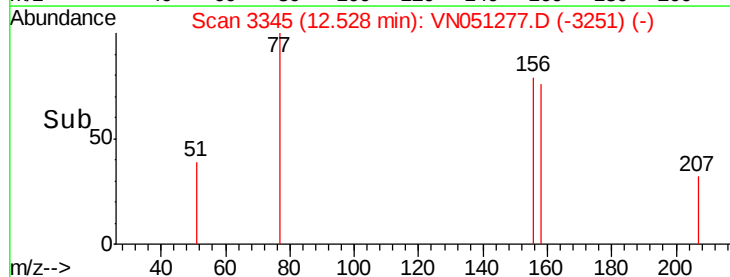
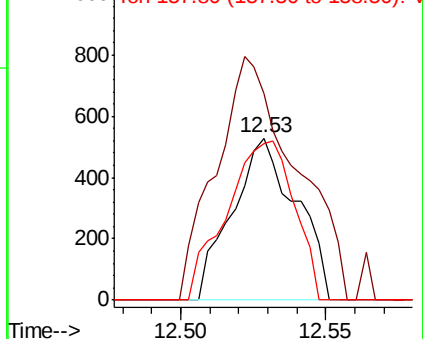
158 103.9 49.0 147.2

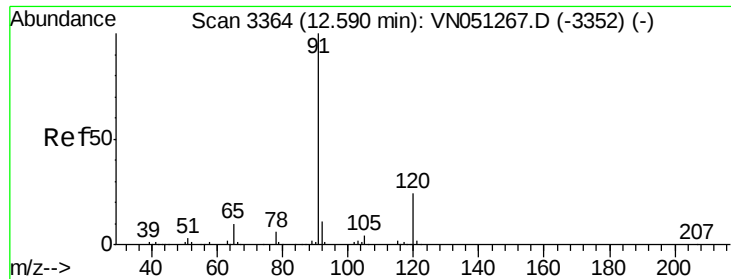


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 0.24 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

Instrument :

MSVOA_N

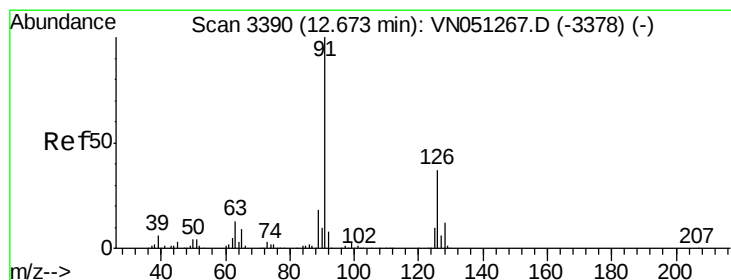
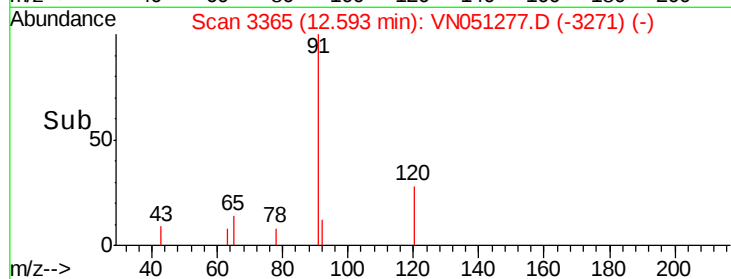
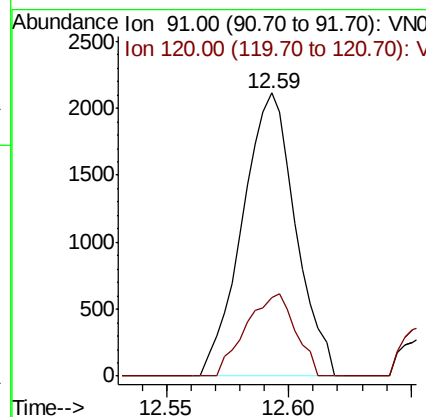
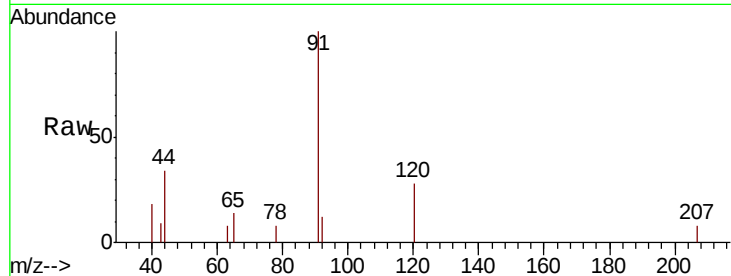
ClientSampled :

Tot Ion: 91 Resp: 3196

Ion Ratio Lower Upper

91 100

120 27.0 12.1 36.3



#79

2-Chlorotoluene

Concen: 0.34 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051277.D

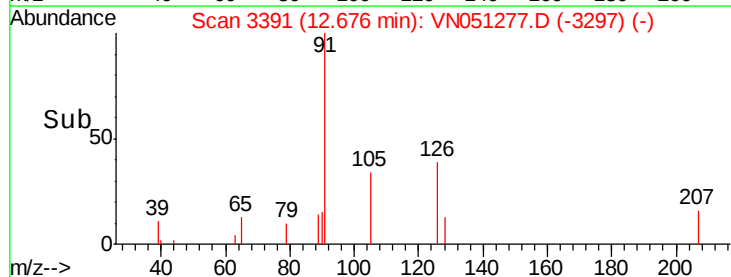
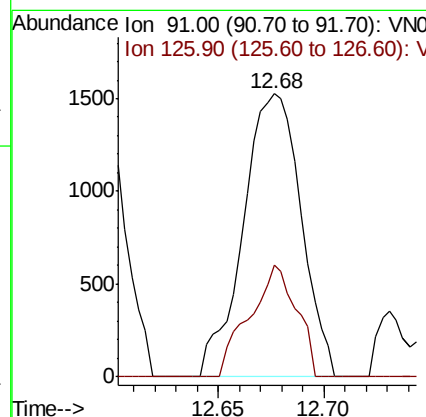
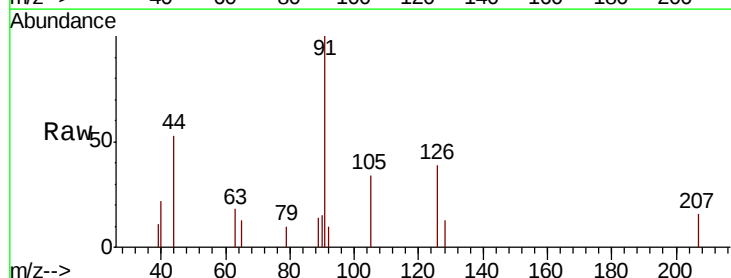
Acq: 17 Sep 2018 18:13

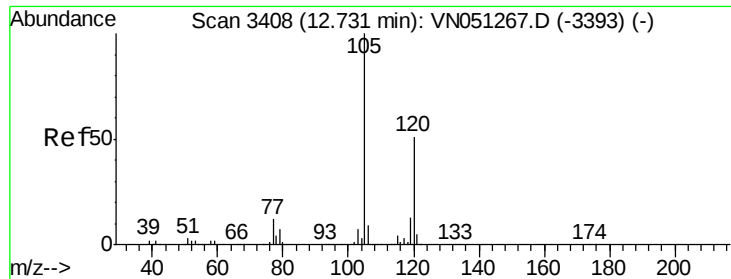
Tgt Ion: 91 Resp: 2921

Ion Ratio Lower Upper

91 100

126 31.8 18.2 54.6





#80

1,3,5-Trimethylbenzene

Concen: 0.29 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

Instrument :

MSVOA_N

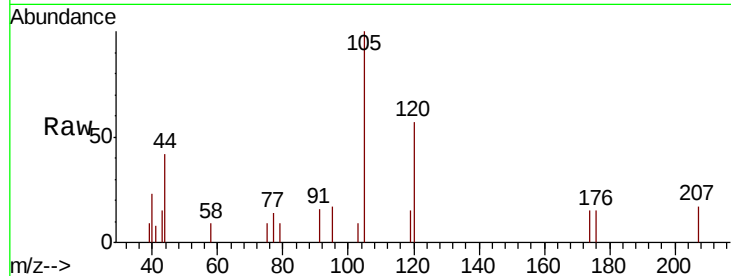
ClientSampled :

Tot Ion:105 Resp: 2899

Ion Ratio Lower Upper

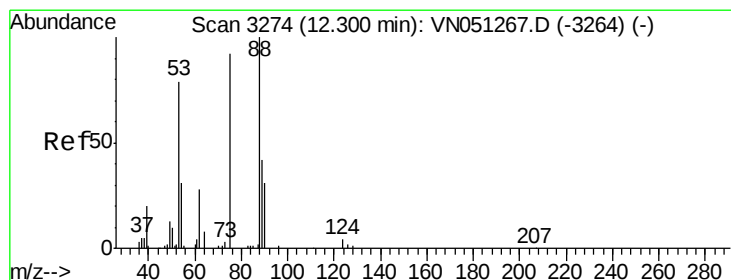
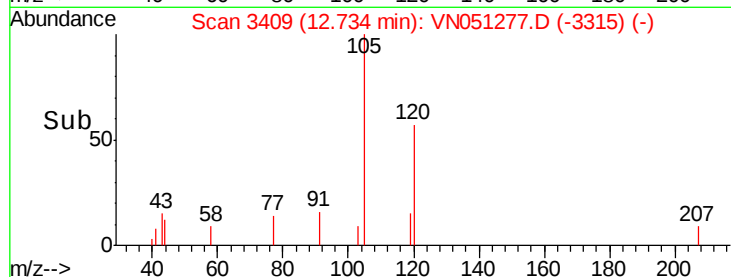
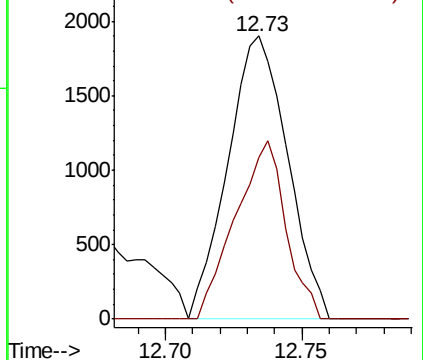
105 100

120 53.1 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: 143.73 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

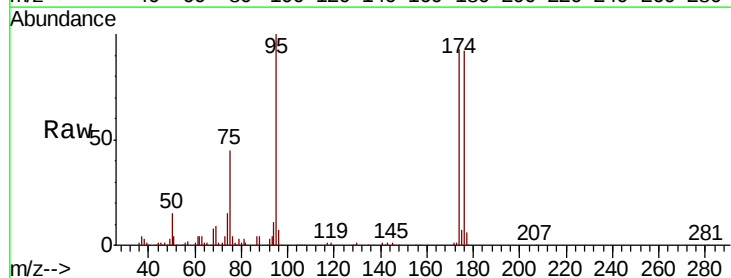
Tgt Ion: 75 Resp: 96002

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

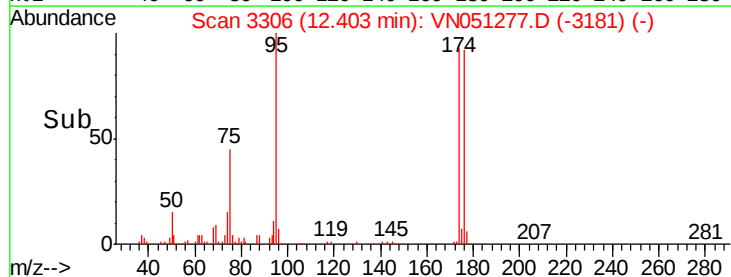
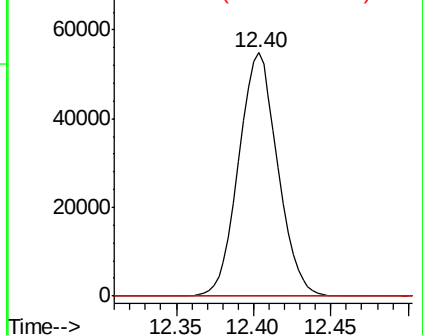
89 0.0 36.9 55.3#

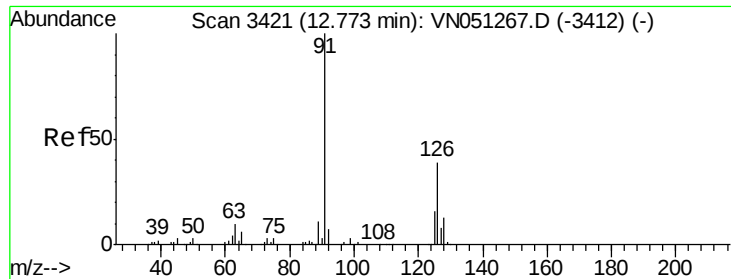


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.27 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

Instrument :

MSVOA_N

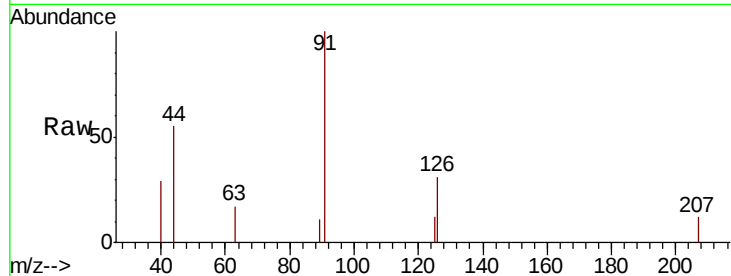
ClientSampleId :

Tot Ion: 91 Resp: 2206

Ion Ratio Lower Upper

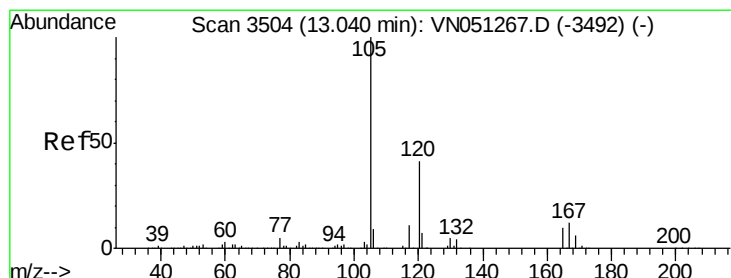
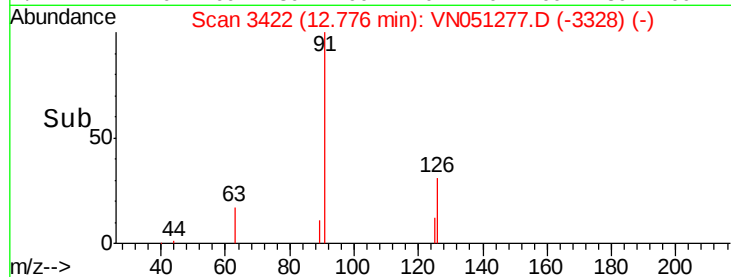
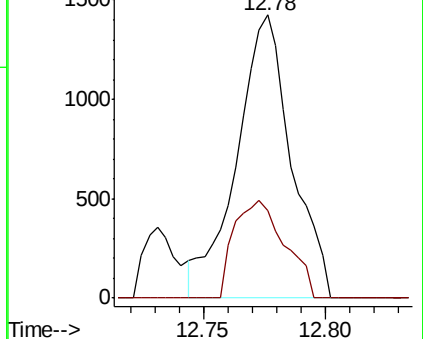
91 100

126 32.2 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) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.52 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051277.D

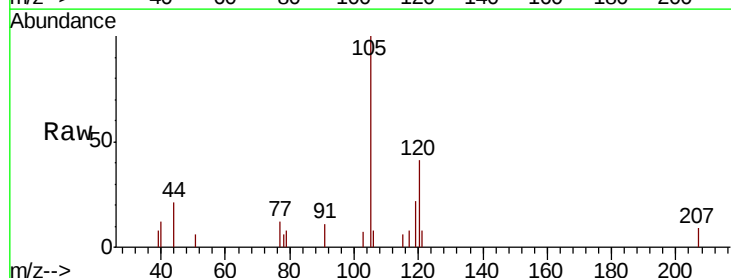
Acq: 17 Sep 2018 18:13

Tgt Ion: 105 Resp: 5065

Ion Ratio Lower Upper

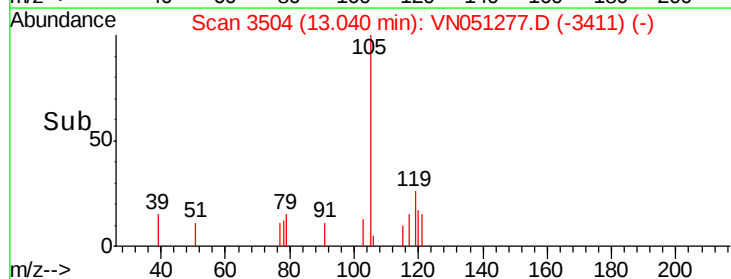
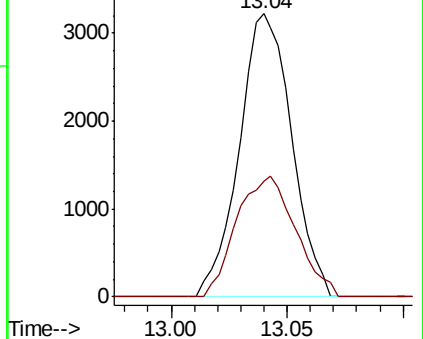
105 100

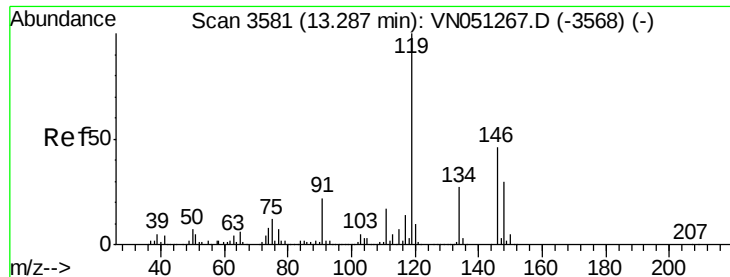
120 48.0 23.5 70.6



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

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

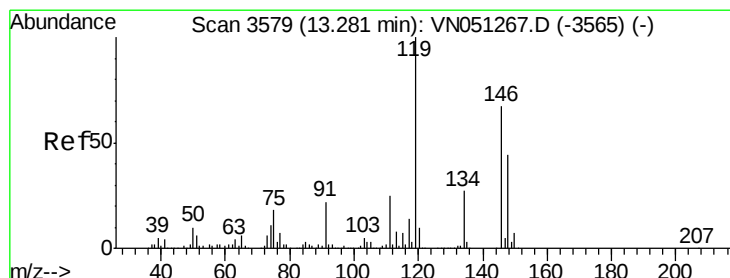
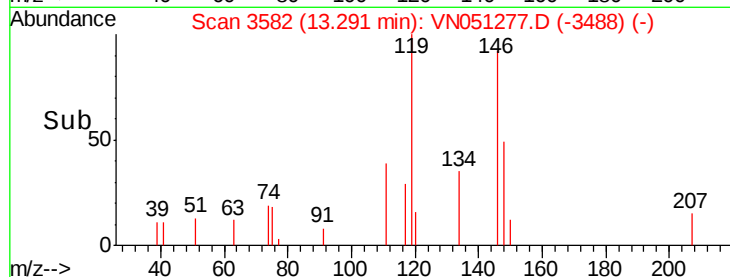
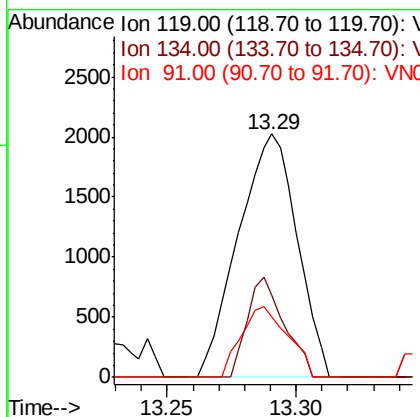
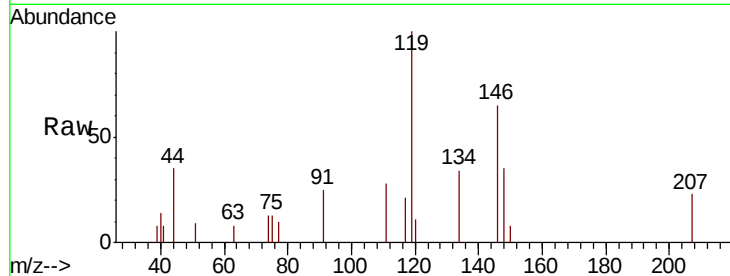




#86
p-Isopropyltoluene
Concen: 0.34 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

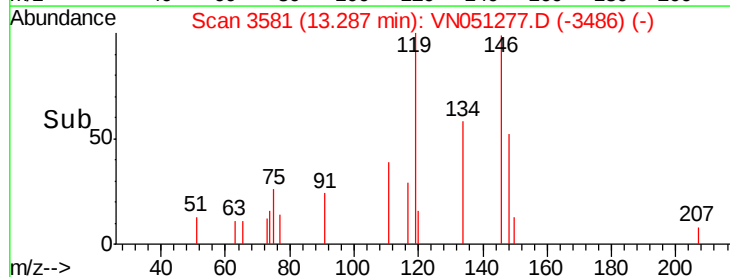
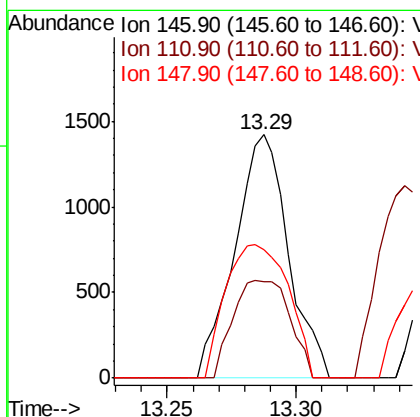
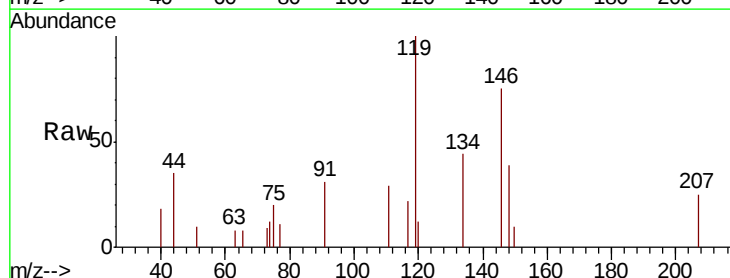
Instrument :
MSVOA_N
ClientSampled :

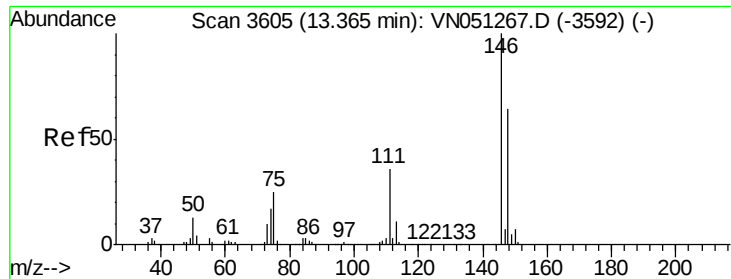
Tot Ion:119 Resp: 3210
Ion Ratio Lower Upper
119 100
134 25.9 13.5 40.5
91 23.0 11.1 33.1



#87
1,3-Dichlorobenzene
Concen: 0.37 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.01 min
Lab File: VN051277.D
Acq: 17 Sep 2018 18:13

Tgt Ion:146 Resp: 2052
Ion Ratio Lower Upper
146 100
111 42.4 18.7 56.1
148 64.2 32.2 96.6





#88

1,4-Dichlorobenzene

Concen: 0.80 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.08 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

Instrument :

MSVOA_N

ClientSampled :

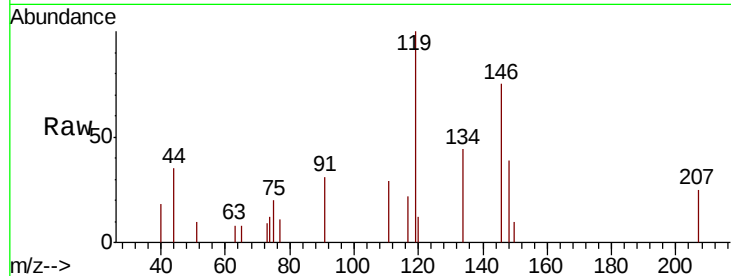
Tot Ion:146 Resp: 2052

Ion Ratio Lower Upper

146 100

111 42.4 18.2 54.6

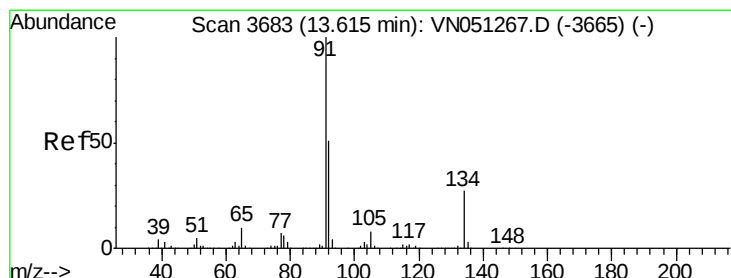
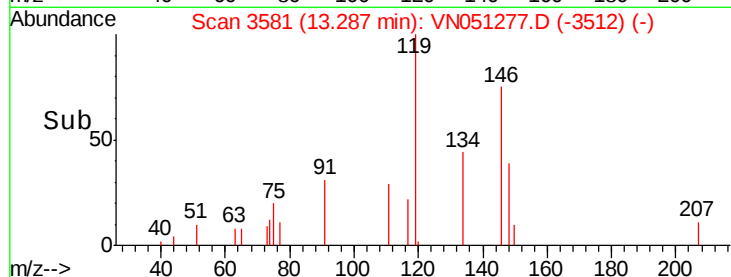
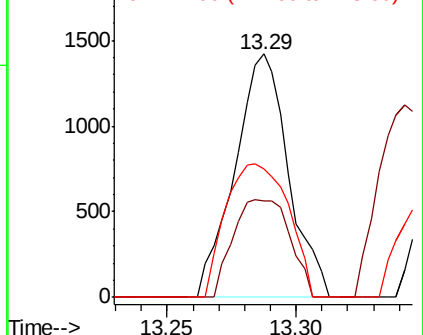
148 64.2 31.9 95.7



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: 2.28 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

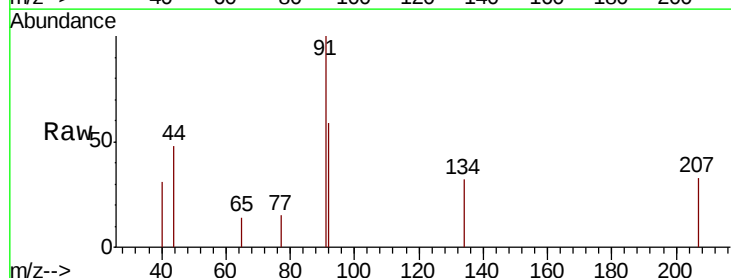
Tgt Ion: 91 Resp: 2095

Ion Ratio Lower Upper

91 100

92 48.4 25.8 77.4

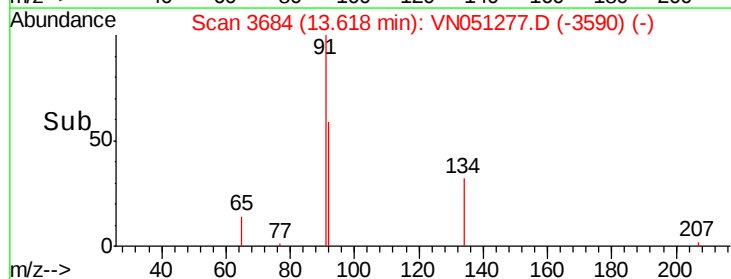
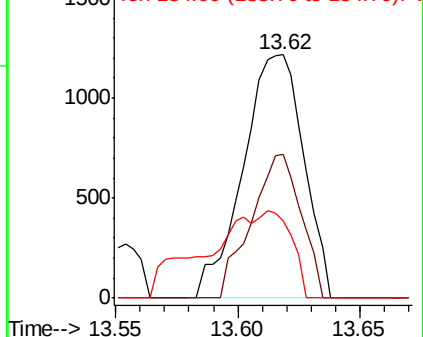
134 50.4 13.7 41.0#

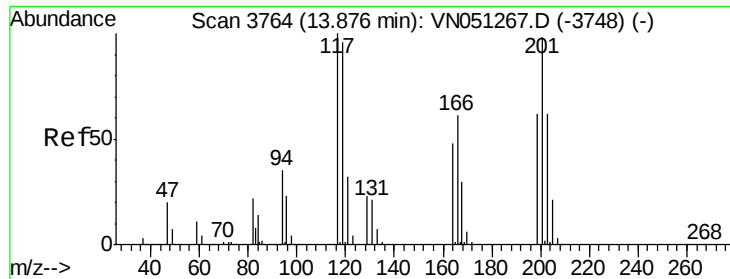


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.87 min Scan# 3762

Delta R.T. -0.01 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

Instrument :

MSVOA_N

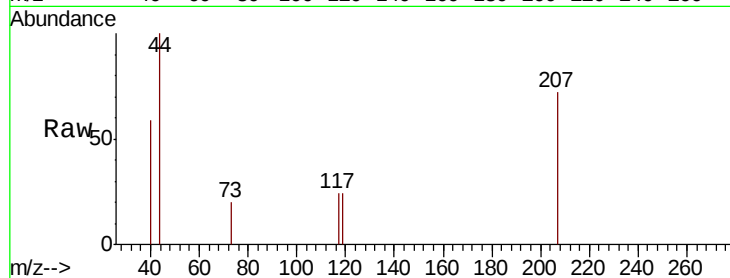
ClientSampled :

Tot Ion:117 Resp: 67

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

13.87

150

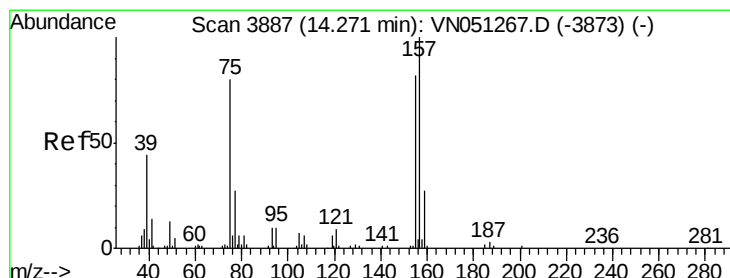
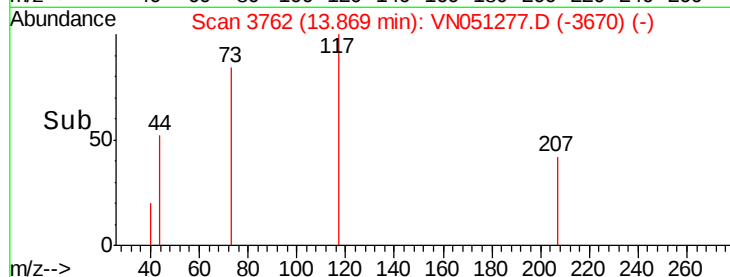
100

50

0

13.86 13.87

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.24 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

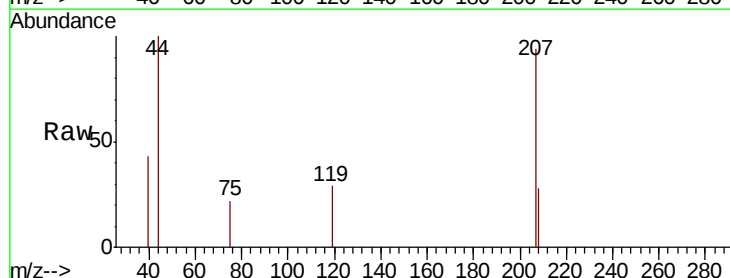
Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

155 0.0 50.2 150.7#

157 213.3 62.9 188.7#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.27

150

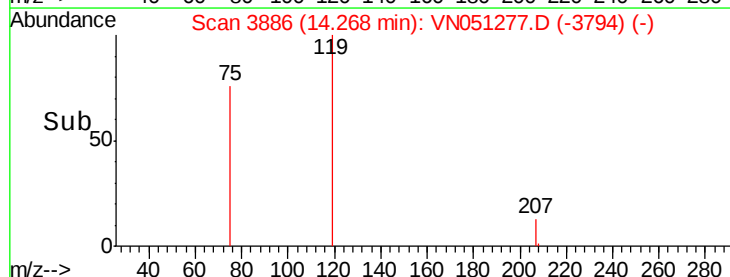
100

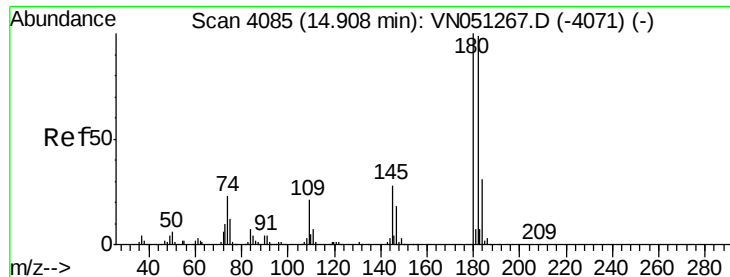
50

0

14.26 14.27

Time-->

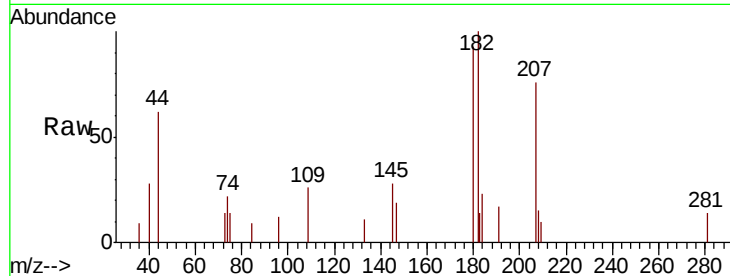




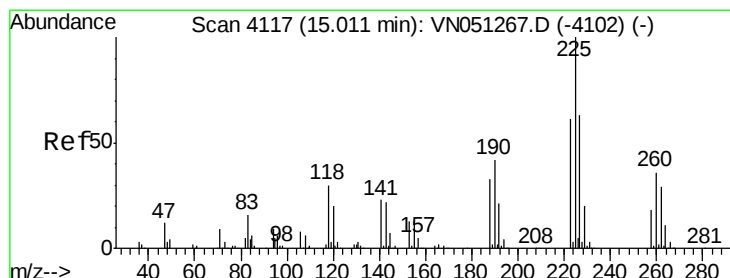
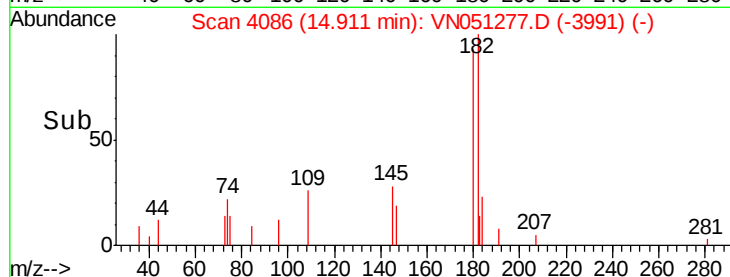
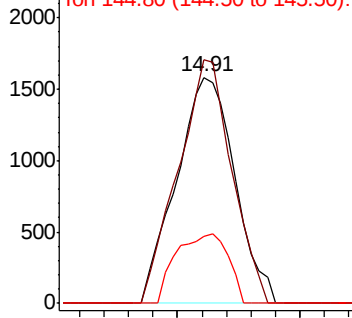
#93
 1,2,4-Trichlorobenzene
 Concen: 5.98 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051277.D
 Acq: 17 Sep 2018 18:13

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 2626
 Ion Ratio Lower Upper
 180 100
 182 99.0 48.5 145.6
 145 27.4 14.0 41.9

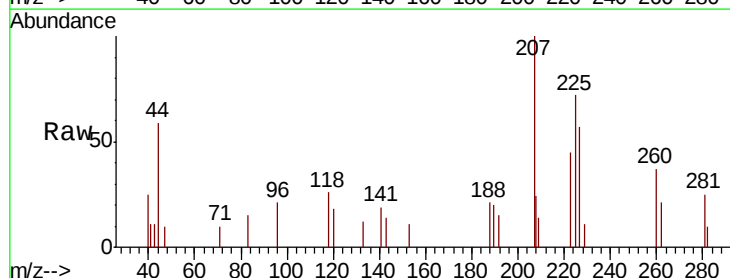


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

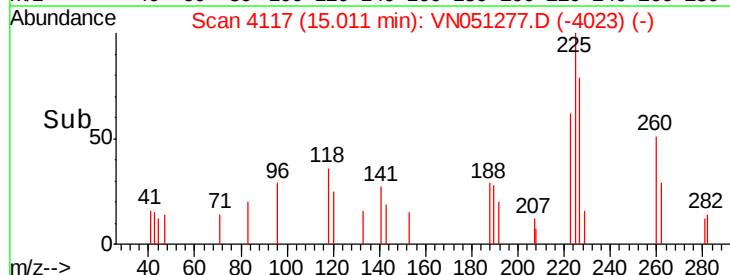
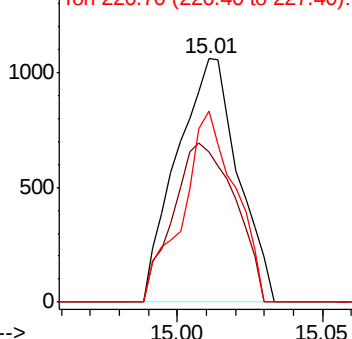


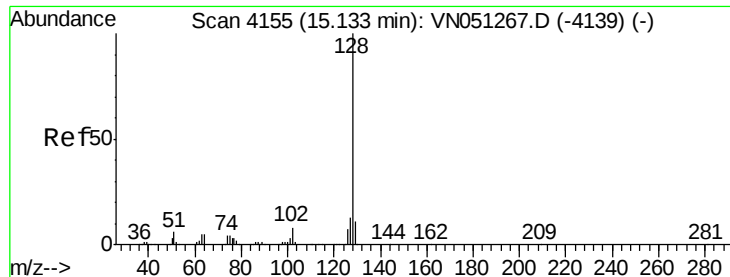
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051277.D
 Acq: 17 Sep 2018 18:13

Tgt Ion:225 Resp: 1558
 Ion Ratio Lower Upper
 225 100
 223 66.3 30.8 92.3
 227 67.3 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: 11.66 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

Instrument :

MSVOA_N

ClientSampled :

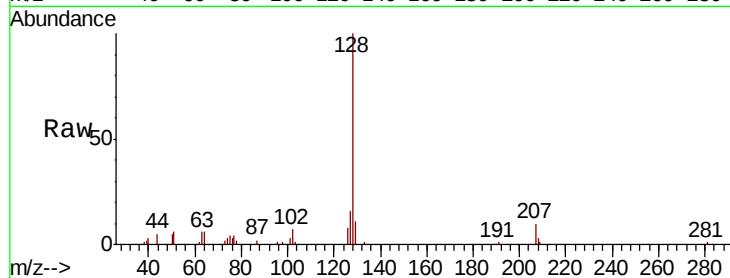
Tot Ion:128 Resp: 30230

Ion Ratio Lower Upper

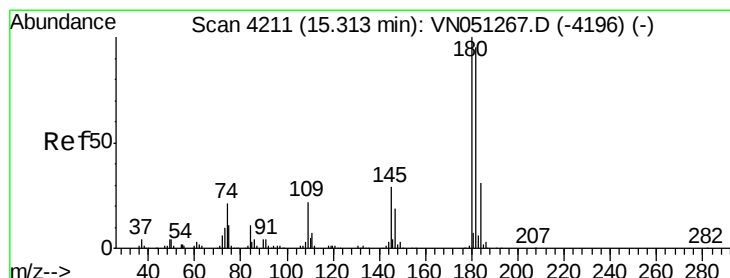
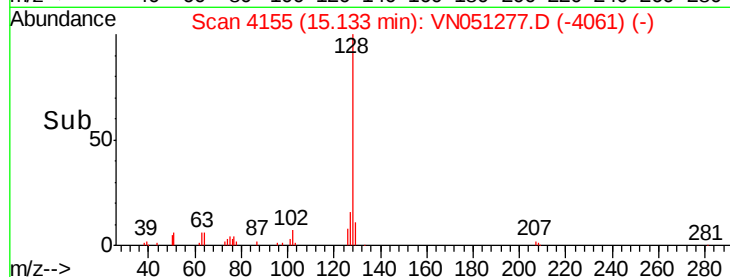
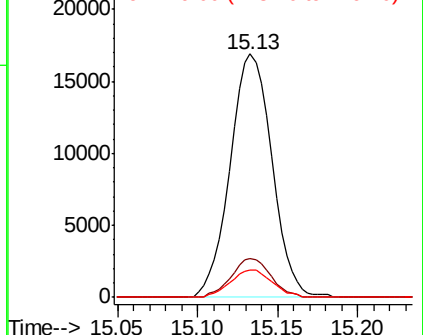
128 100

127 14.9 10.7 16.1

129 11.2 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: 5.06 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051277.D

Acq: 17 Sep 2018 18:13

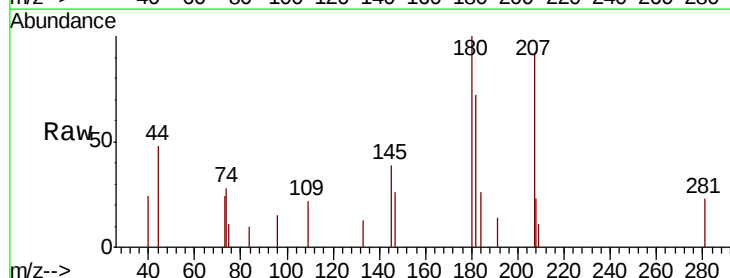
Tgt Ion:180 Resp: 3074

Ion Ratio Lower Upper

180 100

182 83.8 47.5 142.6

145 34.2 14.8 44.4



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

