

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050482.D
 Acq On : 9 Aug 2018 13:47
 Operator : MD\SY
 Sample : PB111888TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 04:02:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	774059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1213852	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1096505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	419608	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	498502	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
35) Dibromofluoromethane	7.59	113	450987	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
50) Toluene-d8	10.09	98	1697696	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
62) 4-Bromofluorobenzene	12.40	95	507775	40.68	ug/l	0.00
Spiked Amount			Recovery	=	81.36%	

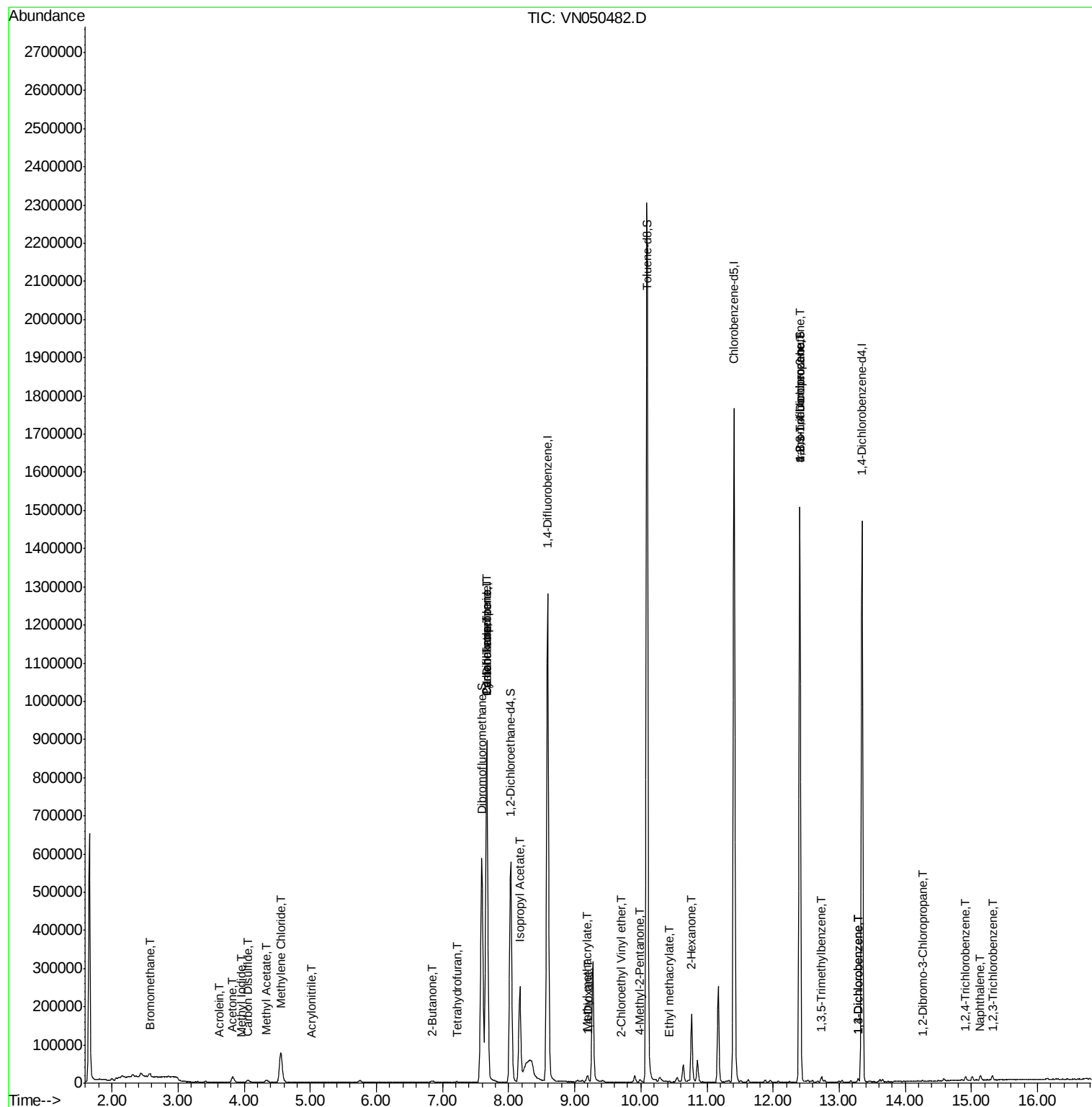
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4183	Below Cal		95
5) Bromomethane	2.57	94	5809	1.24	ug/l	99
10) Methyl Iodide	3.95	142	2204	0.56	ug/l #	59
13) Acrolein	3.62	56	415	15.39	ug/l #	44
15) Acrylonitrile	5.01	53	877	0.25	ug/l #	50
16) Acetone	3.83	43	26053	8.10	ug/l	94
17) Carbon Disulfide	4.05	76	7349	0.27	ug/l #	95
18) Methyl Acetate	4.33	43	12637	1.39	ug/l	99
20) Methylene Chloride	4.55	84	61403	5.12	ug/l	95
25) 2-Butanone	6.86	43	5355	1.04	ug/l	99
29) Tetrahydrofuran	7.23	42	1842	0.67	ug/l #	77
31) Cyclohexane	7.66	56	14035	0.32	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	51873	3.89	ug/l #	49
38) Carbon Tetrachloride	7.67	117	68416	4.92	ug/l #	16
43) Isopropyl Acetate	8.17	43	292250	17.63	ug/l	97
48) Methyl methacrylate	9.18	41	9969	1.20	ug/l #	22
49) 1,4-Dioxane	9.22	88	61	0.48	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	5021	0.42	ug/l	89
56) Ethyl methacrylate	10.43	69	302	1.73	ug/l #	29
58) 2-Chloroethyl Vinyl ether	9.71	63	214	7.43	ug/l #	48
59) 2-Hexanone	10.77	43	24234	2.91	ug/l	65
76) 1,2,3-Trichloropropane	12.40	75	242561	31.94	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	6913	0.27	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.40	75	242561	112.21	ug/l #	13
87) 1,3-Dichlorobenzene	13.28	146	3038	0.20	ug/l	95
88) 1,4-Dichlorobenzene	13.28	146	3038	0.20	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.26	75	492	0.32	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.91	180	3813	0.50	ug/l	97
94) Hexachlorobutadiene	15.01	225	2085	Below Cal		94
95) Naphthalene	15.14	128	10202	4.09	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.32	180	4582	0.59	ug/l	97

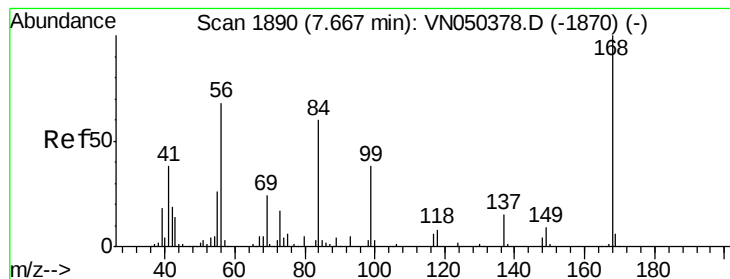
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

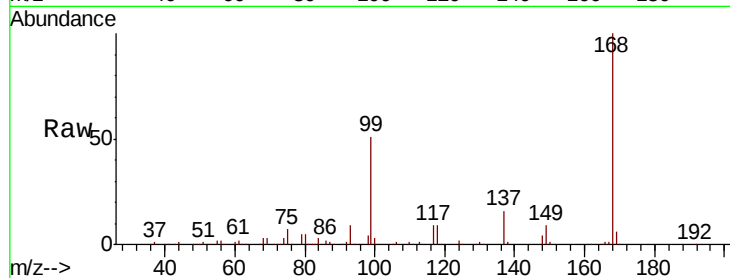
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 774059

Ion Ratio Lower Upper

168 100

99 51.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

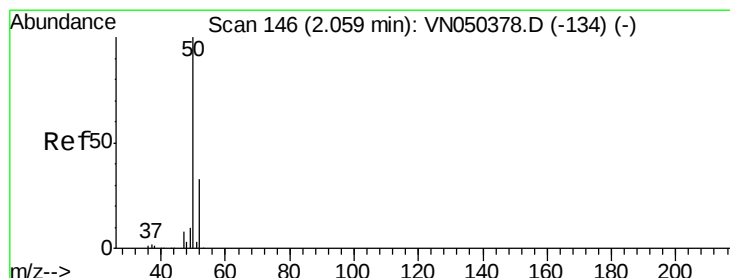
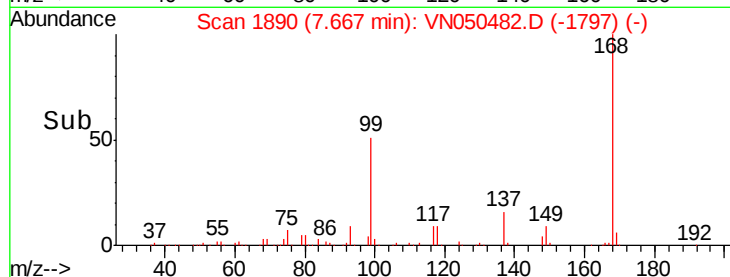
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050482.D

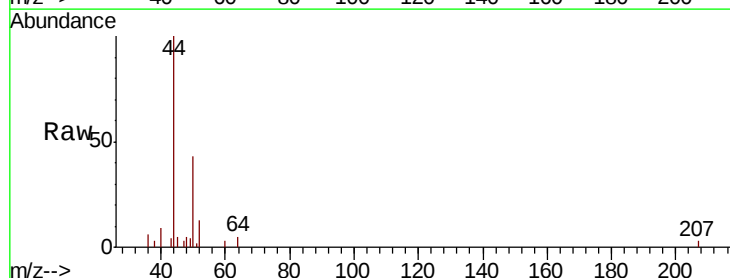
Acq: 9 Aug 2018 13:47

Tgt Ion: 50 Resp: 4183

Ion Ratio Lower Upper

50 100

52 29.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VN

2.06

3000

2500

2000

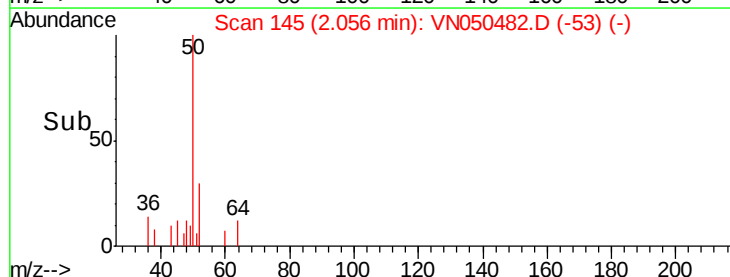
1500

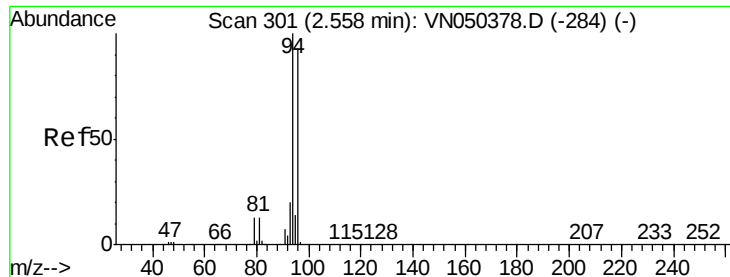
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.24 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

Instrument :

MSVOA_N

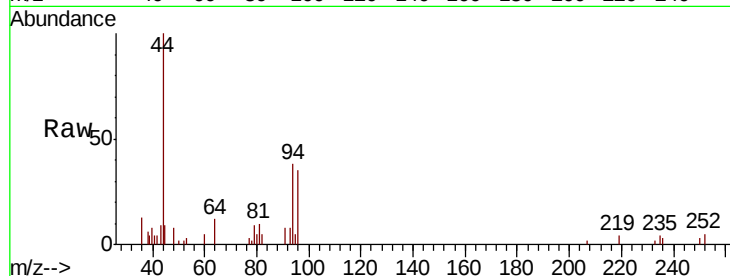
ClientSampled :

Tot Ion: 94 Resp: 5809

Ion Ratio Lower Upper

94 100

96 94.3 74.6 112.0

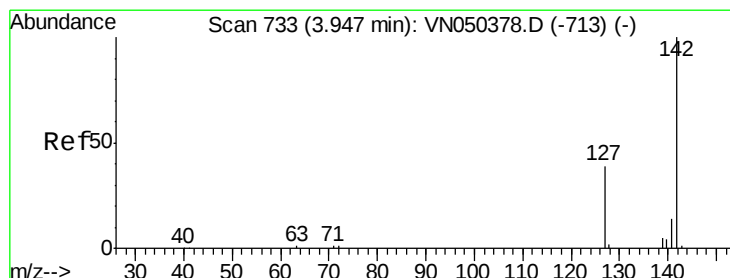
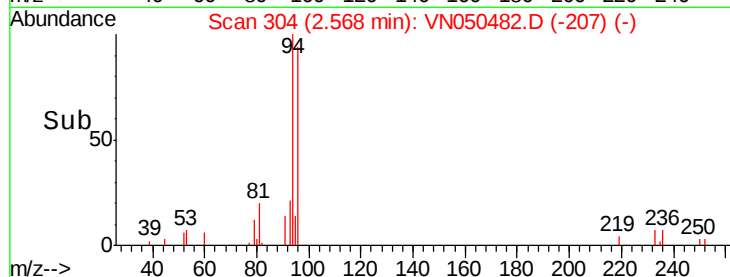


Abundance Ion 93.90 (93.60 to 94.60): VN050378.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050378.D (-284) (-)

2.57

Time-->



#10

Methyl Iodide

Concen: 0.56 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

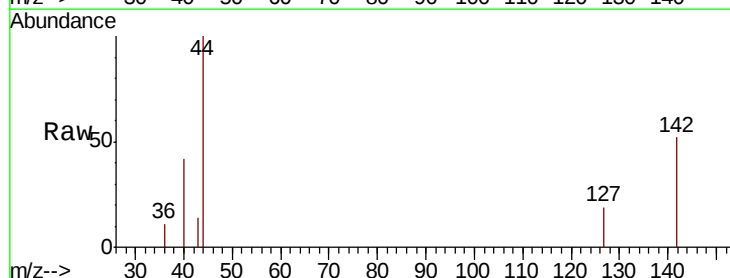
Tgt Ion: 142 Resp: 2204

Ion Ratio Lower Upper

142 100

127 14.8 33.4 50.2#

141 0.0 11.6 17.4#



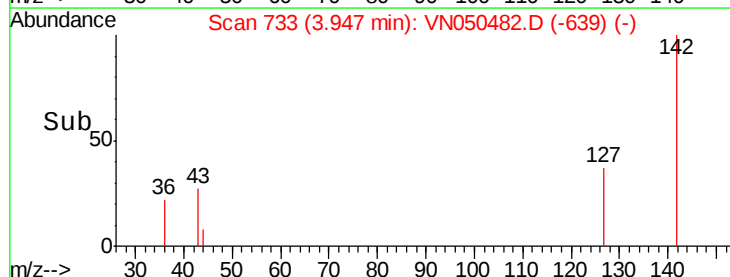
Abundance Ion 141.80 (141.50 to 142.50): VN050378.D (-713) (-)

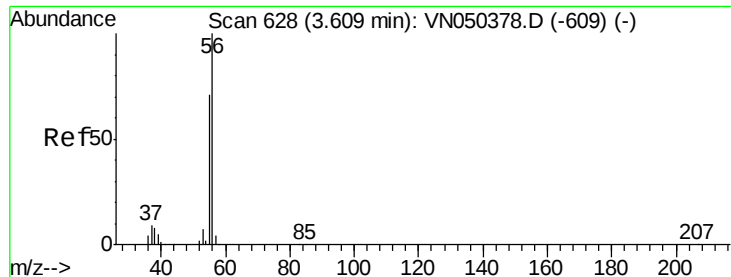
Ion 126.80 (126.50 to 127.50): VN050378.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050378.D (-713) (-)

3.95

Time-->





#13

Acrolein

Concen: 15.39 ug/l

RT: 3.62 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

Instrument :

MSVOA_N

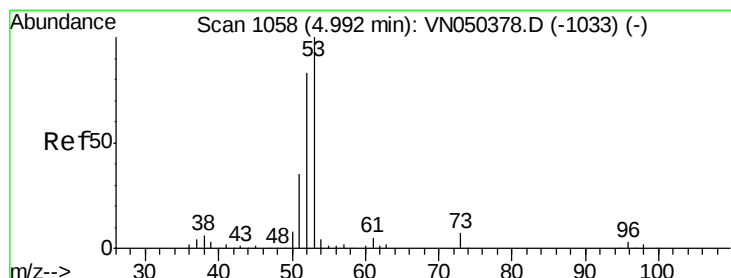
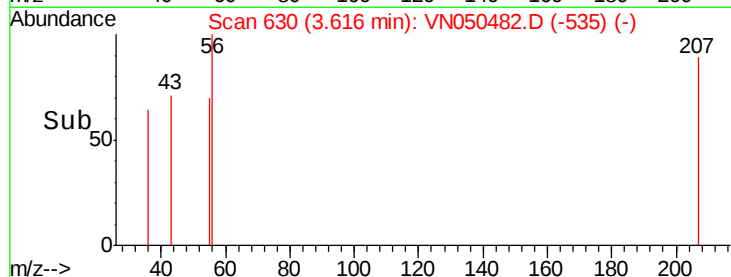
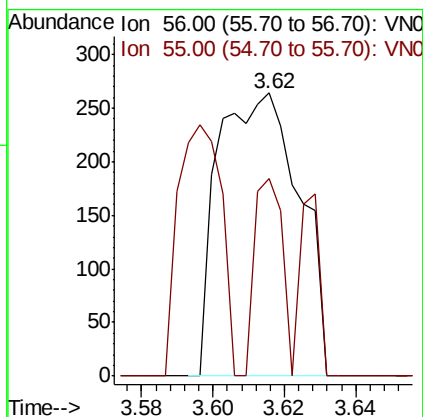
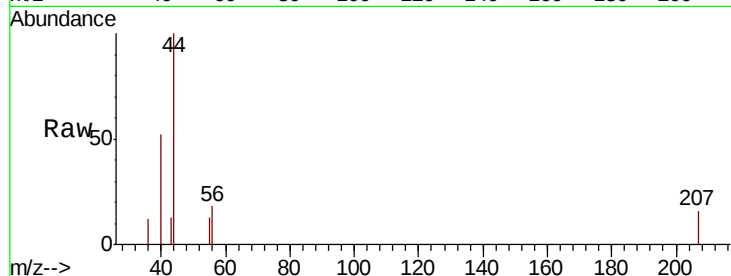
ClientSampled :

Tot Ion: 56 Resp: 415

Ion Ratio Lower Upper

56 100

55 23.9 55.8 83.6#



#15

Acrylonitrile

Concen: 0.25 ug/l

RT: 5.01 min Scan# 1063

Delta R.T. 0.02 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

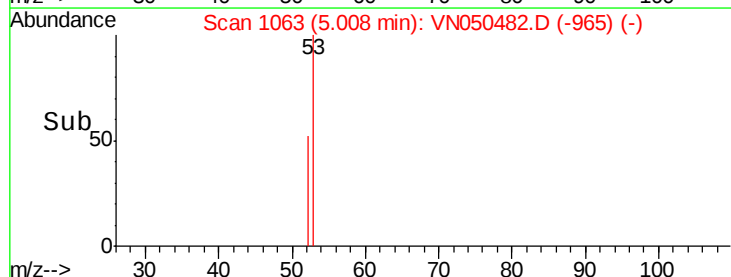
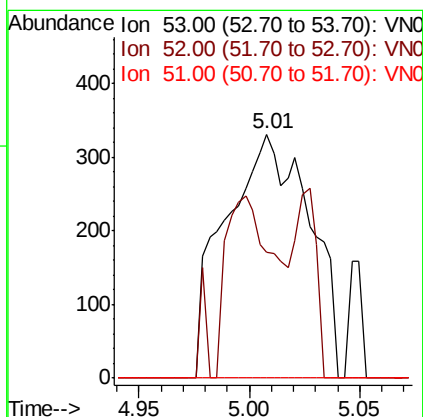
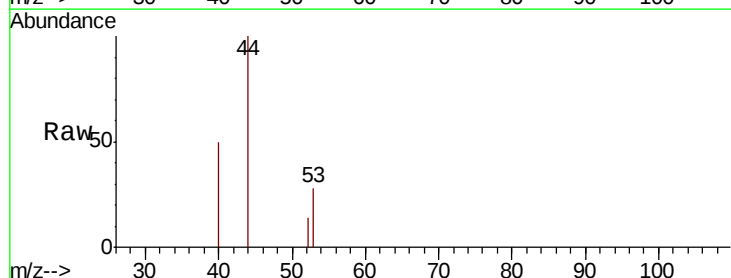
Tgt Ion: 53 Resp: 877

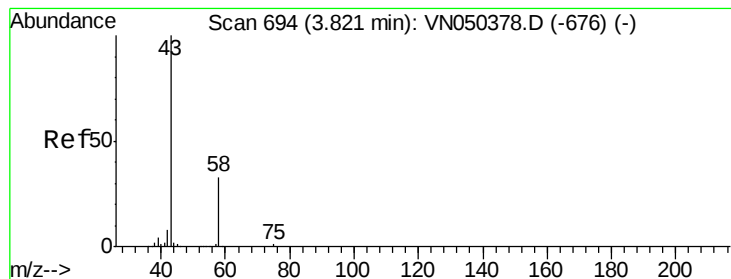
Ion Ratio Lower Upper

53 100

52 43.0 66.2 99.2#

51 0.0 29.3 43.9#





#16

Acetone

Concen: 8.10 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

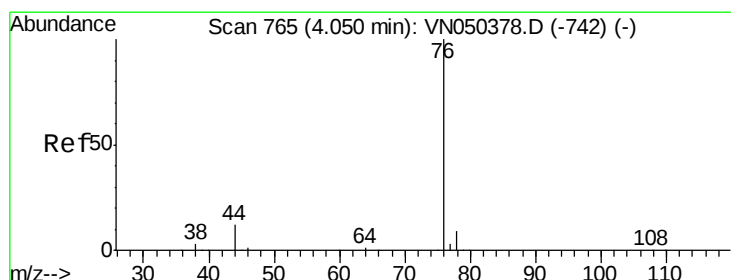
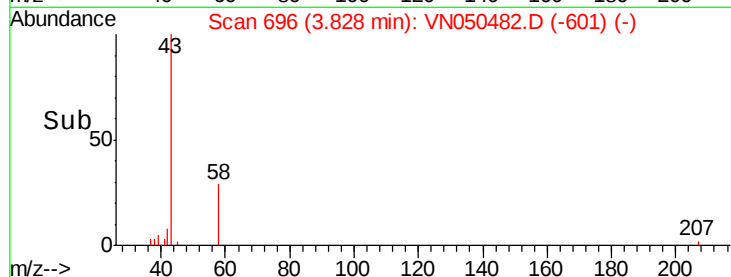
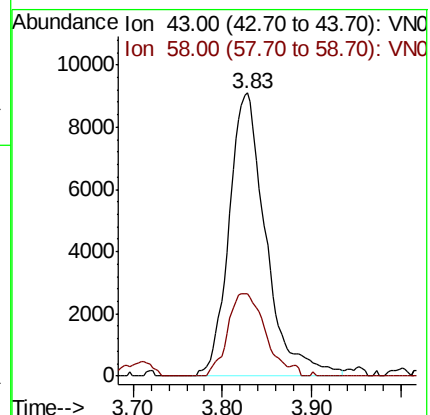
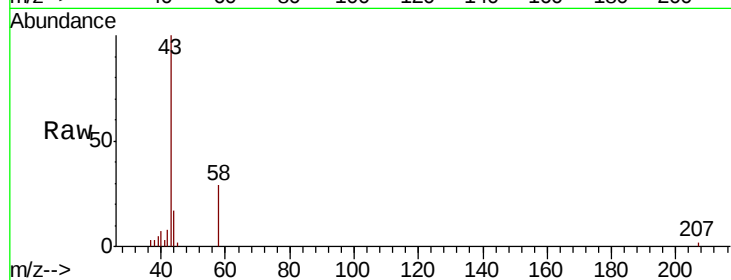
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 26053

Ion Ratio Lower Upper

43 100

58 28.9 25.8 38.8



#17

Carbon Disulfide

Concen: 0.27 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050482.D

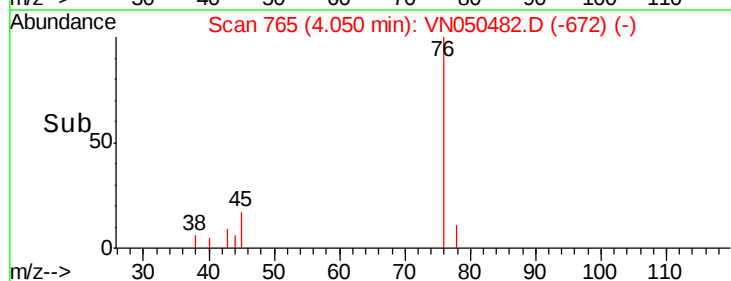
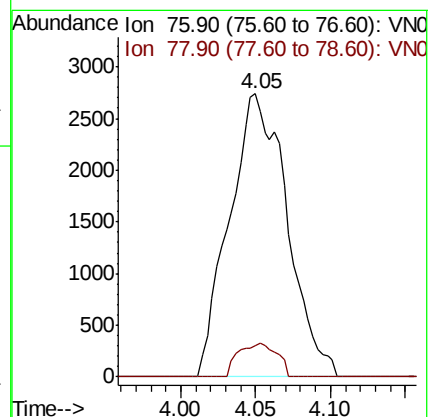
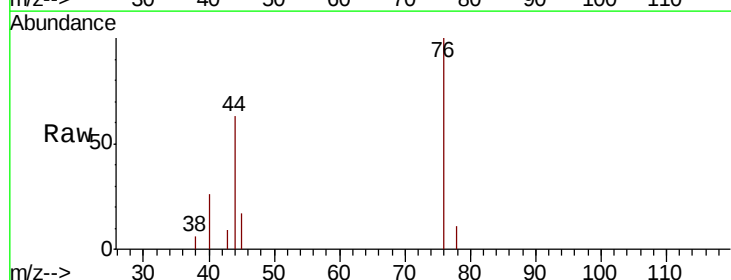
Acq: 9 Aug 2018 13:47

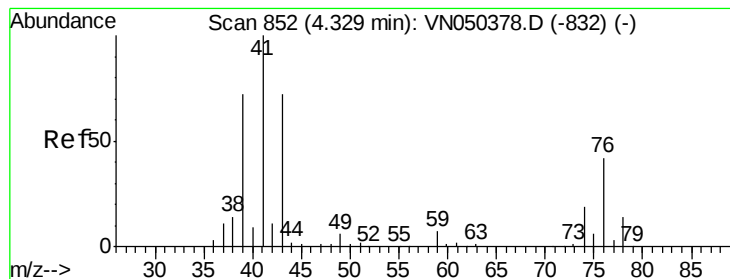
Tgt Ion: 76 Resp: 7349

Ion Ratio Lower Upper

76 100

78 11.0 7.3 10.9#





#18

Methyl Acetate

Concen: 1.39 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

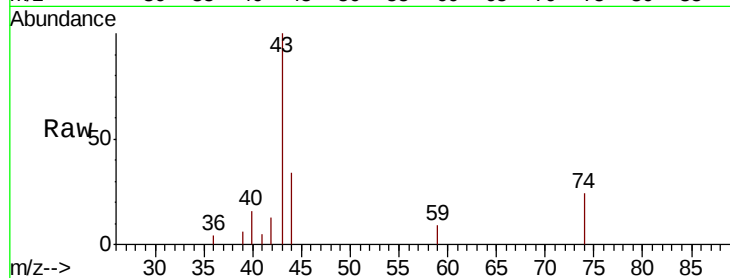
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 12637

Ion Ratio Lower Upper

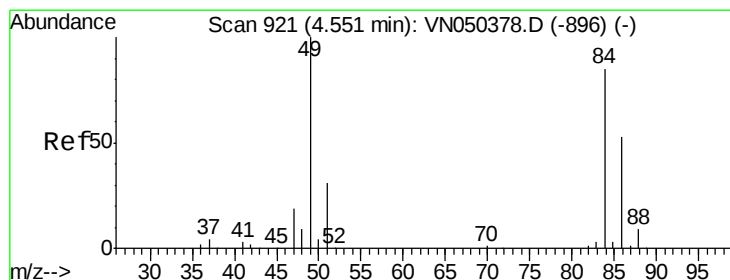
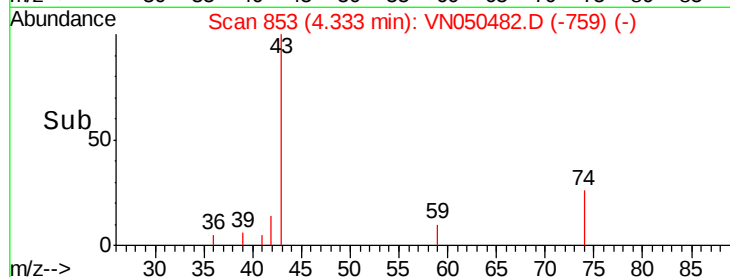
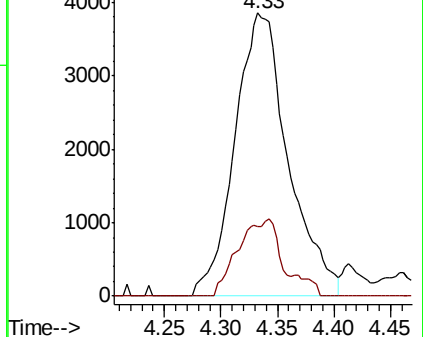
43 100

74 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN050482.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN050482.D (-759) (-)



#20

Methylene Chloride

Concen: 5.12 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

Tgt Ion: 84 Resp: 61403

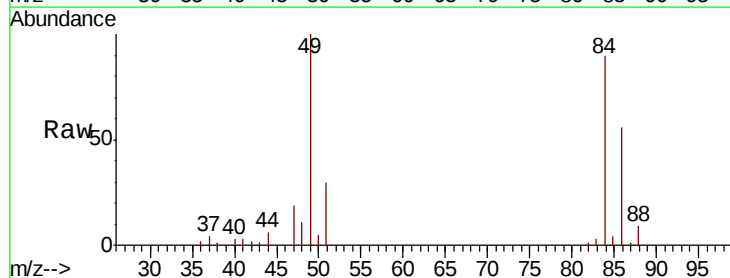
Ion Ratio Lower Upper

84 100

49 111.2 94.8 142.2

51 33.4 28.3 42.5

86 61.8 51.0 76.6

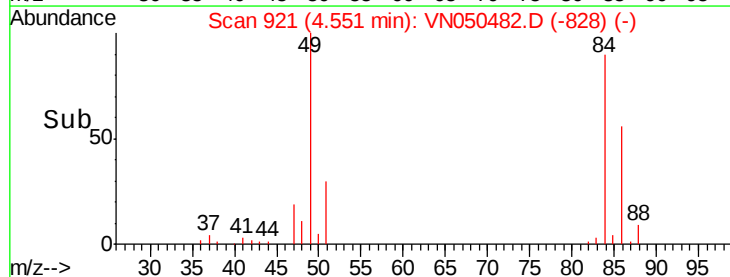
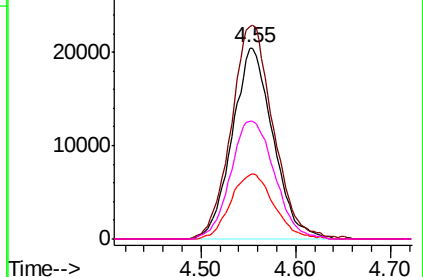


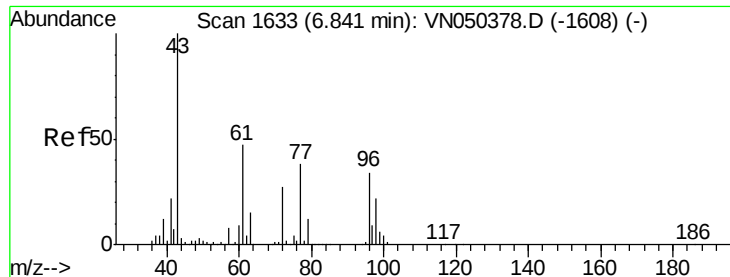
Abundance Ion 83.90 (83.60 to 84.60): VN050482.D (-828) (-)

Ion 48.90 (48.60 to 49.60): VN050482.D (-828) (-)

Ion 50.90 (50.60 to 51.60): VN050482.D (-828) (-)

Ion 85.90 (85.60 to 86.60): VN050482.D (-828) (-)





#25

2-Butanone

Concen: 1.04 ug/l

RT: 6.86 min Scan# 1638

Delta R.T. 0.02 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

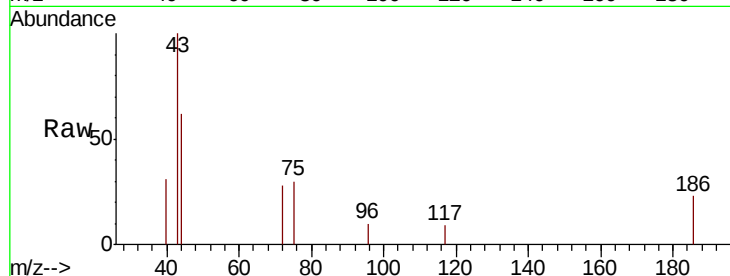
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 5355

Ion Ratio Lower Upper

43 100

72 27.7 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-1608) (-)

Ion 72.00 (71.70 to 72.70): VN050378.D (-1608) (-)

6.86

2000

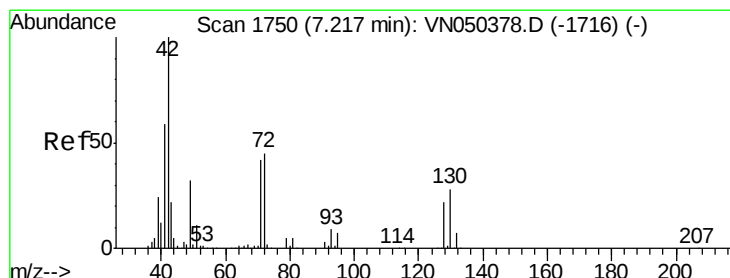
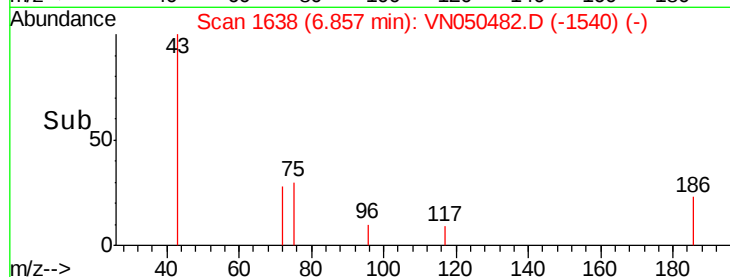
1500

1000

500

0

Time--> 6.75 6.80 6.85 6.90



#29

Tetrahydrofuran

Concen: 0.67 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

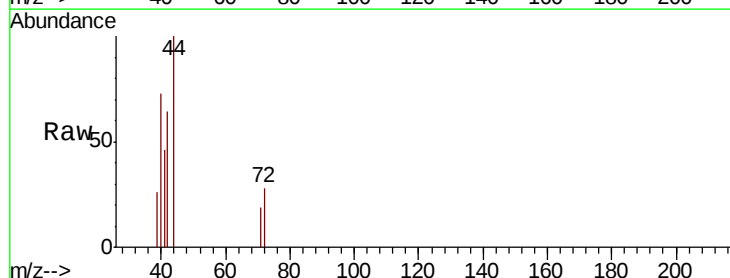
Tgt Ion: 42 Resp: 1842

Ion Ratio Lower Upper

42 100

72 33.4 35.9 53.9#

71 23.4 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN050378.D (-1716) (-)

Ion 72.00 (71.70 to 72.70): VN050378.D (-1716) (-)

Ion 71.00 (70.70 to 71.70): VN050378.D (-1716) (-)

800

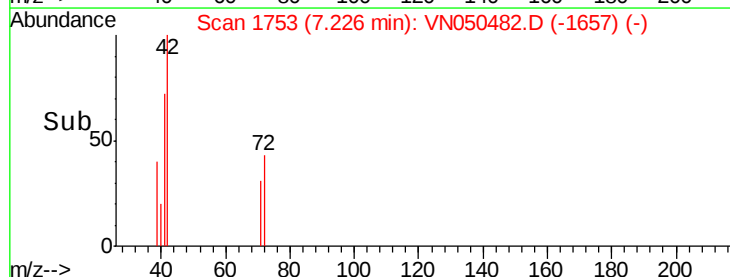
600

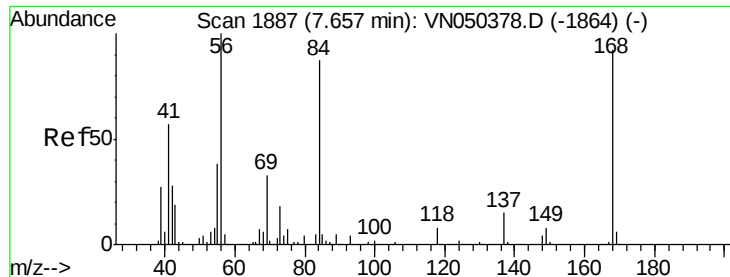
400

200

0

Time--> 7.20 7.25 7.30

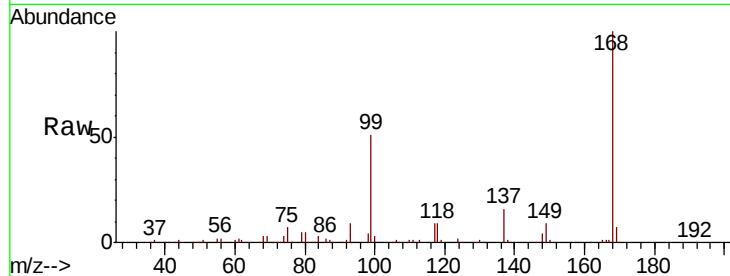




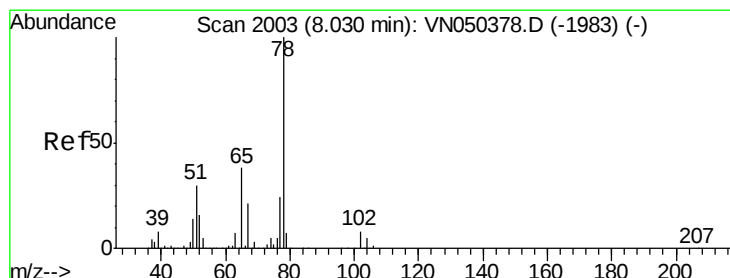
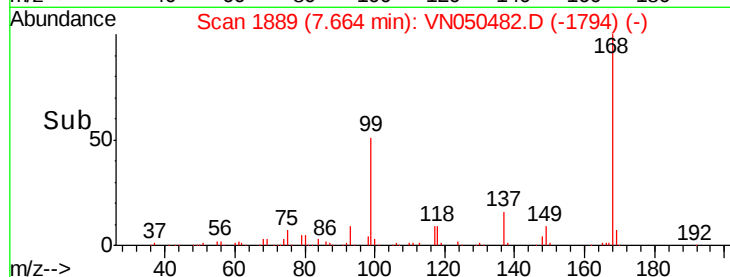
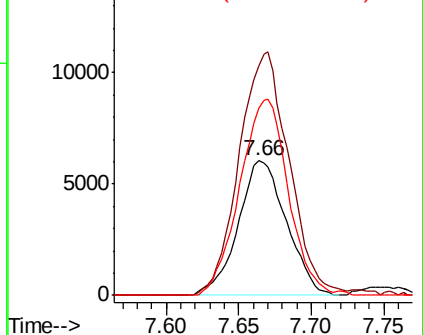
#31
Cyclohexane
Concen: 0.32 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN050482.D
Acq: 9 Aug 2018 13:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 14035
Ion Ratio Lower Upper
56 100
69 170.6 26.2 39.4#
84 139.1 67.4 101.0#

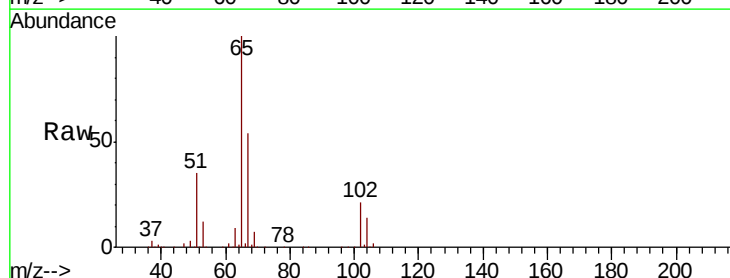


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

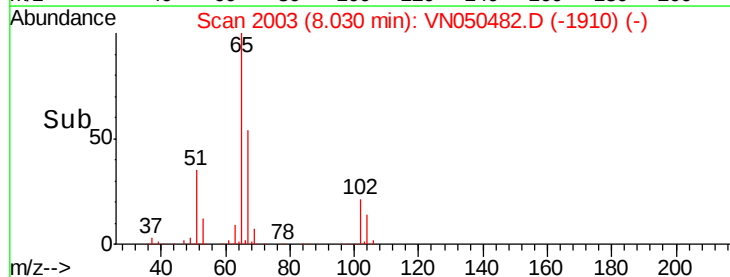
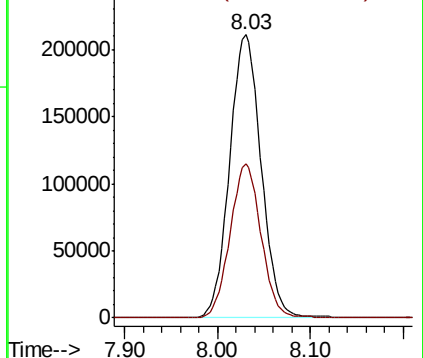


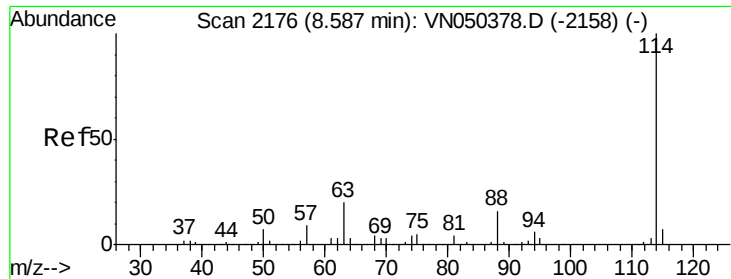
#33
1,2-Dichloroethane-d4
Concen: 48.20 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050482.D
Acq: 9 Aug 2018 13:47

Tgt Ion: 65 Resp: 498502
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.4



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

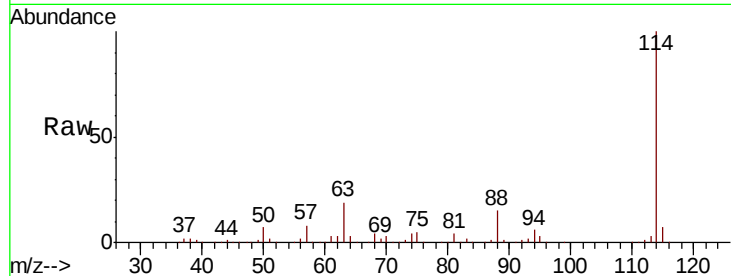




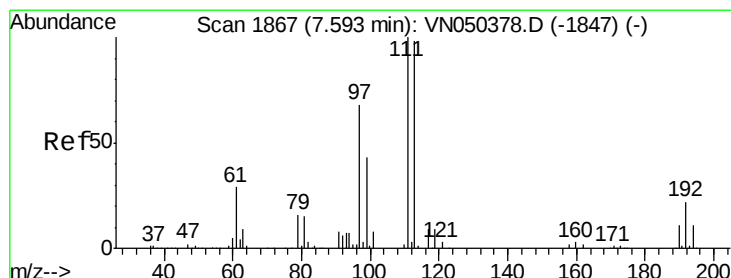
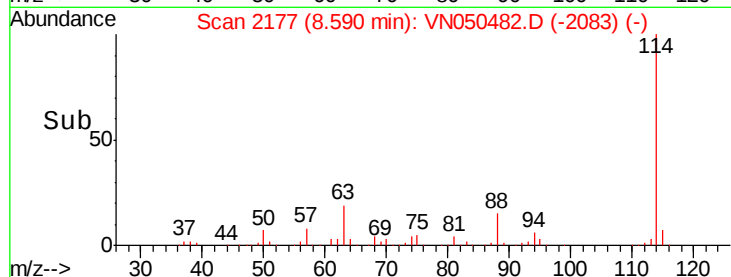
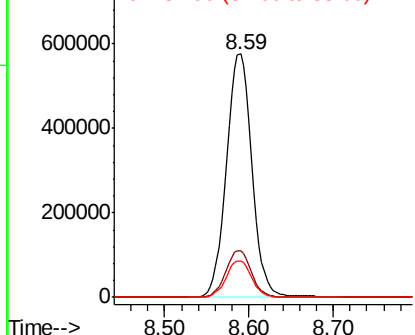
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050482.D
 Acq: 9 Aug 2018 13:47

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1213852
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.1 0.0 31.2

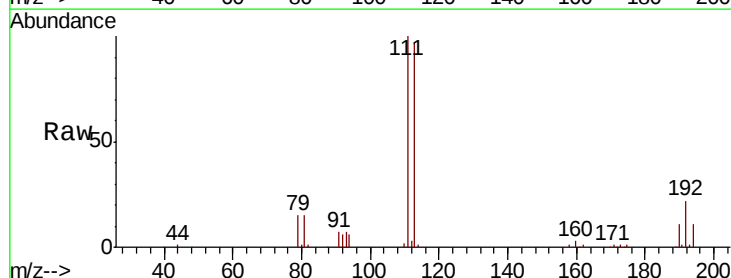


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

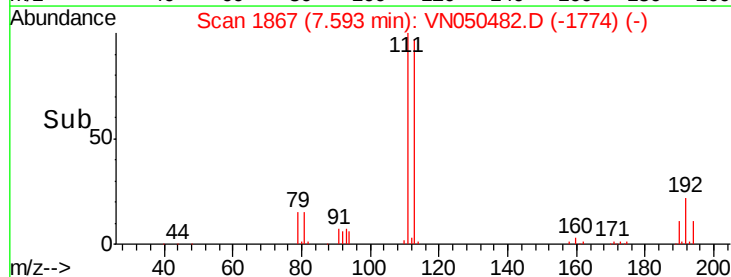
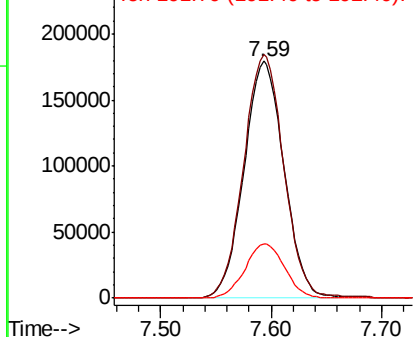


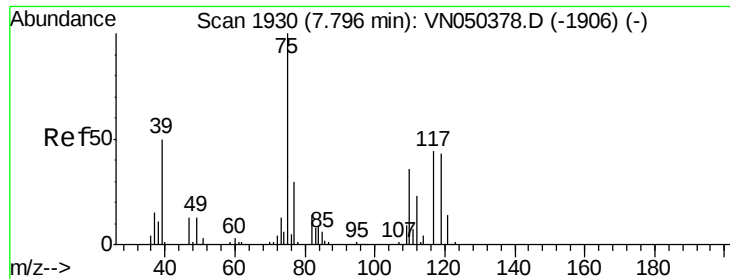
#35
 Dibromofluoromethane
 Concen: 46.30 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050482.D
 Acq: 9 Aug 2018 13:47

Tgt Ion:113 Resp: 450987
 Ion Ratio Lower Upper
 113 100
 111 103.7 80.7 121.1
 192 22.7 17.8 26.6



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

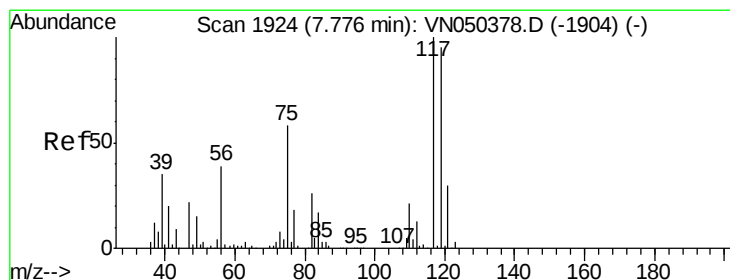
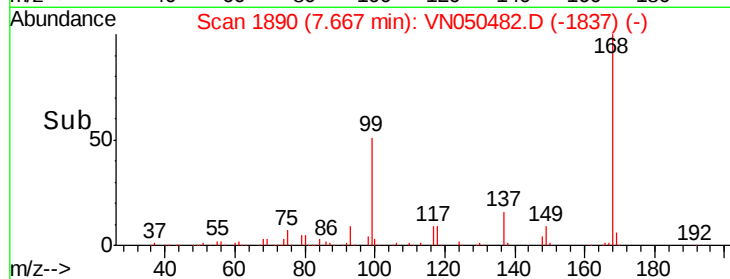
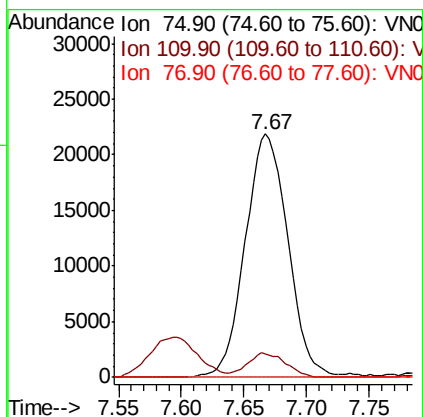
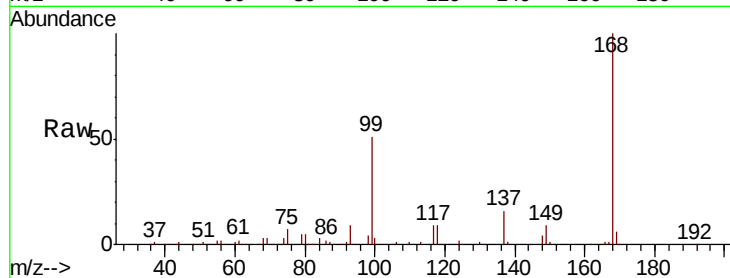




#36
 1,1-Dichloropropene
 Concen: 3.89 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050482.D
 Acq: 9 Aug 2018 13:47

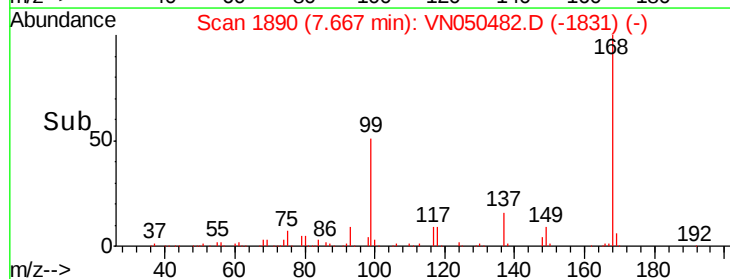
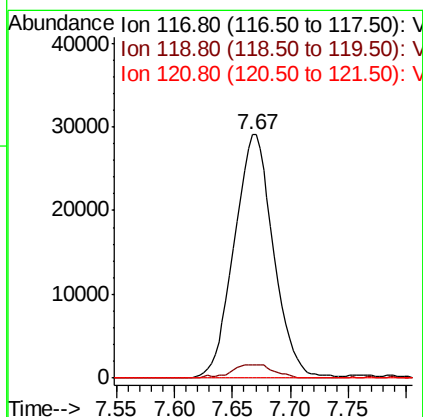
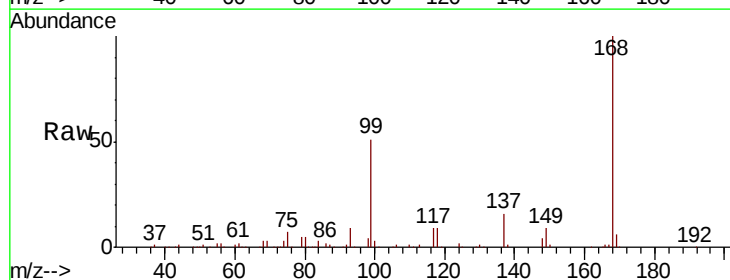
Instrument :
 MSVOA_N
 ClientSampled :

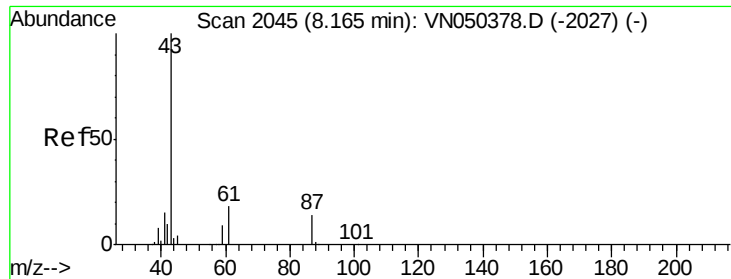
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.92 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050482.D
 Acq: 9 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.4	116.0#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 17.63 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

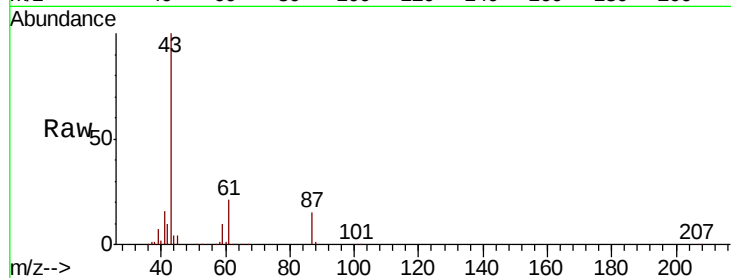
Tot Ion: 43 Resp: 292250

Ion Ratio Lower Upper

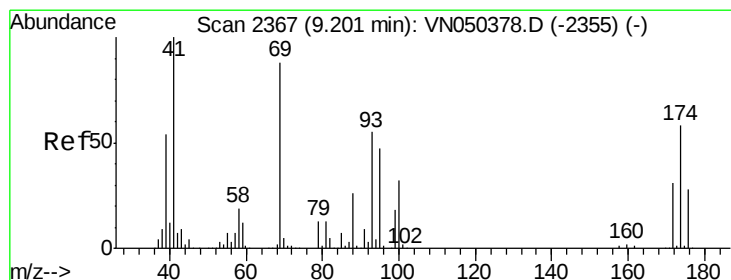
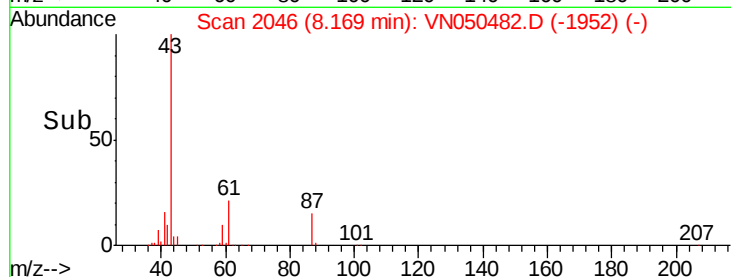
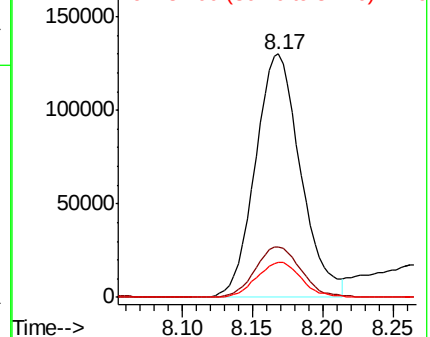
43 100

61 21.0 15.8 23.6

87 14.3 10.3 15.5



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: 1.20 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

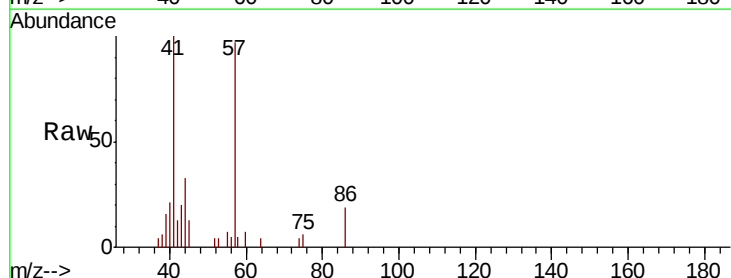
Tgt Ion: 41 Resp: 9969

Ion Ratio Lower Upper

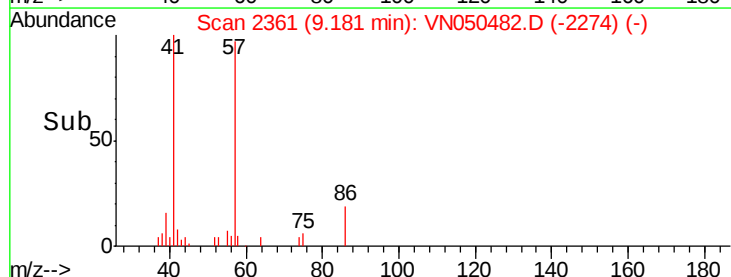
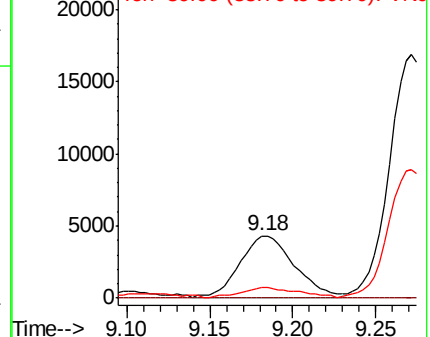
41 100

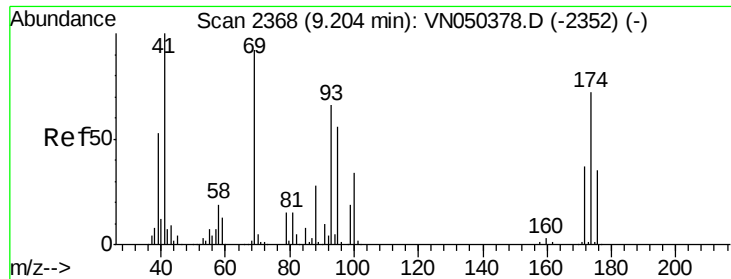
69 0.0 70.6 105.8#

39 18.3 43.9 65.9#



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

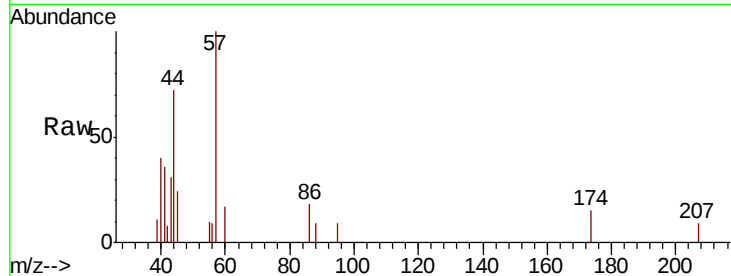




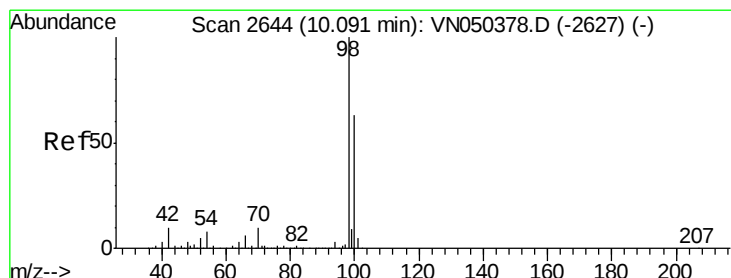
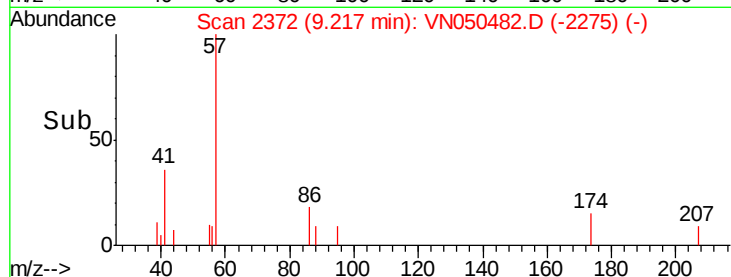
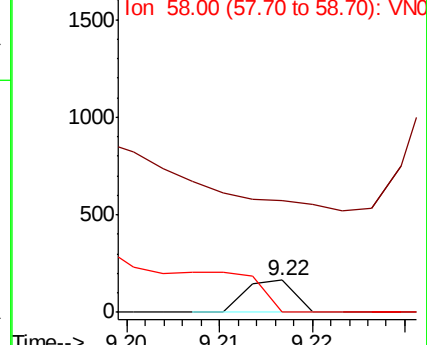
#49
1,4-Dioxane
Concen: 0.48 ug/l
RT: 9.22 min Scan# 2372
Delta R.T. 0.01 min
Lab File: VN050482.D
Acq: 9 Aug 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 26.9 40.3#
58 0.0 57.3 85.9#

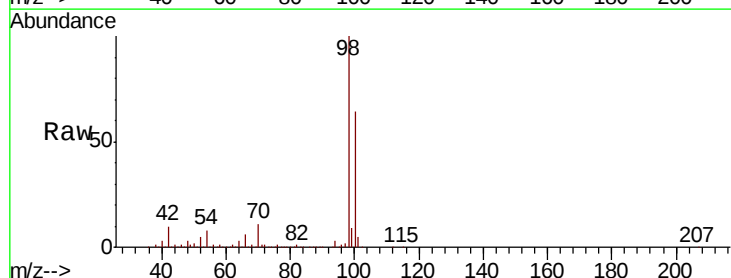


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

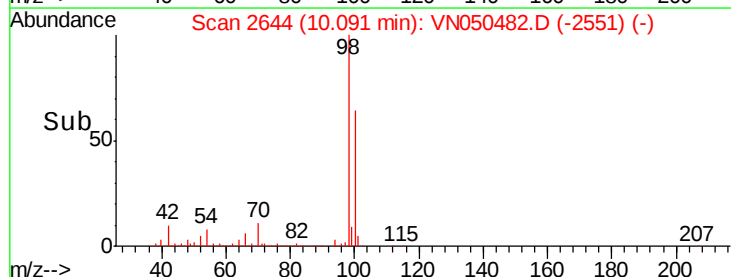
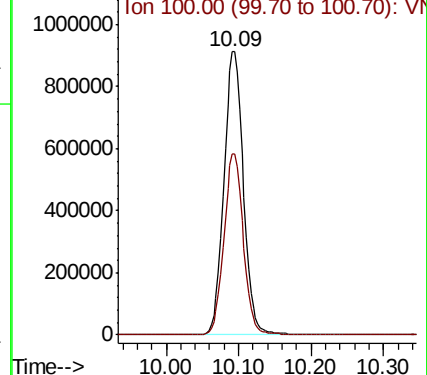


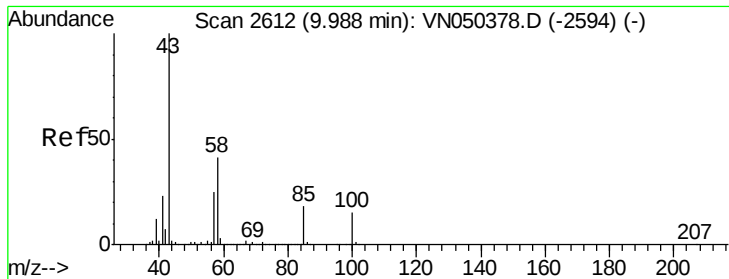
#50
Toluene-d8
Concen: 46.36 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050482.D
Acq: 9 Aug 2018 13:47

Tgt Ion: 98 Resp: 1697696
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1



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

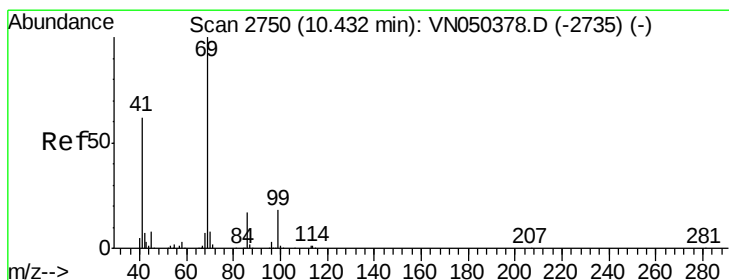
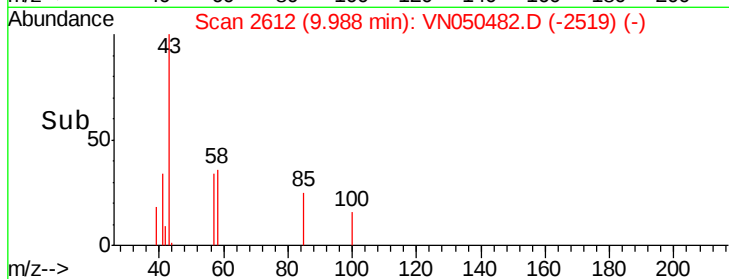
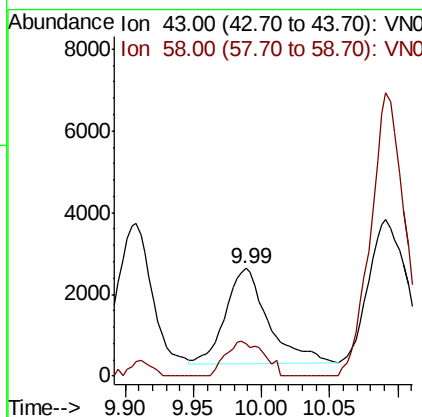
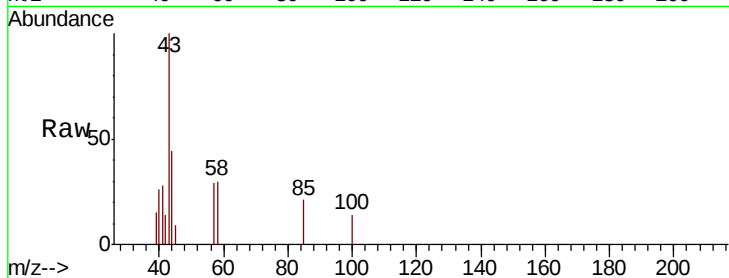




#51
4-Methyl-2-Pentanone
Concen: 0.42 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050482.D
Acq: 9 Aug 2018 13:47

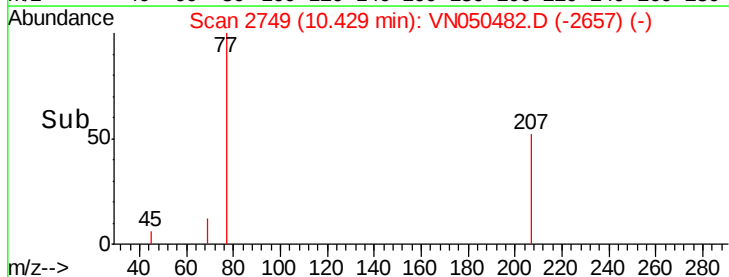
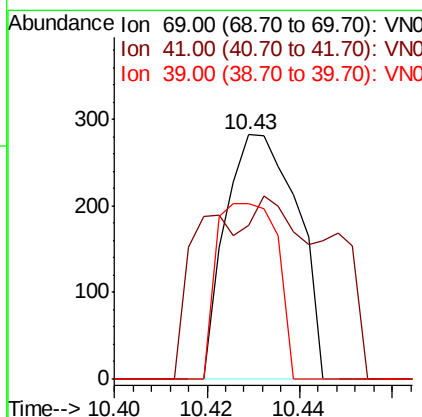
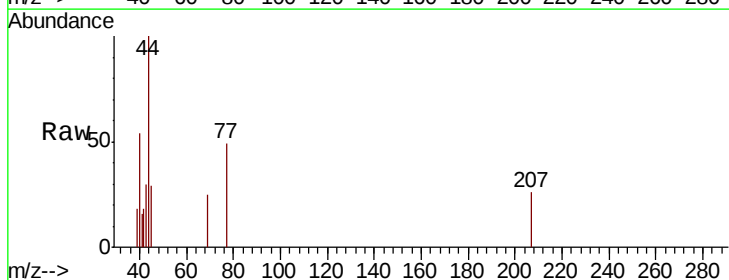
Instrument :
MSVOA_N
ClientSampled :

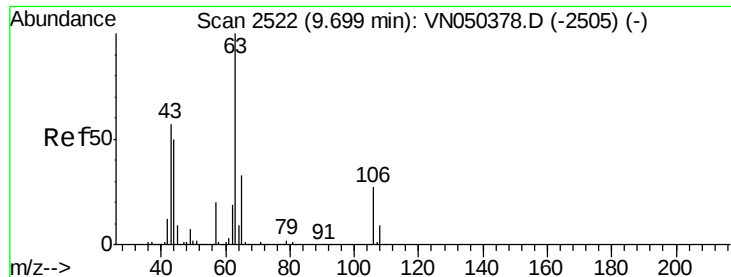
Tot Ion: 43 Resp: 5021
Ion Ratio Lower Upper
43 100
58 32.8 31.9 47.9



#56
Ethyl methacrylate
Concen: 1.73 ug/l
RT: 10.43 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VN050482.D
Acq: 9 Aug 2018 13:47

Tgt Ion: 69 Resp: 302
Ion Ratio Lower Upper
69 100
41 0.0 51.0 76.4#
39 61.3 26.6 40.0#

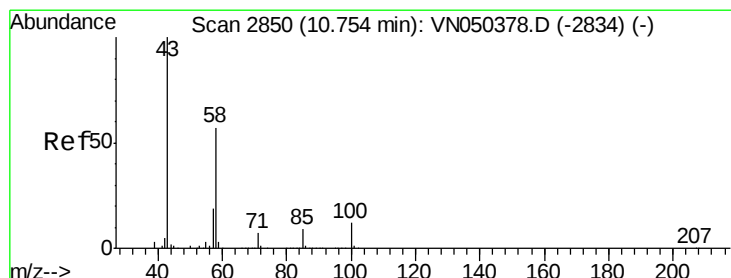
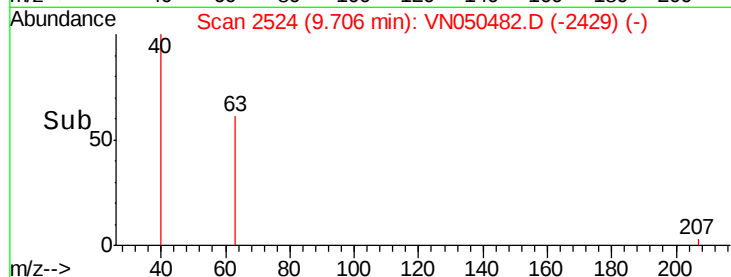
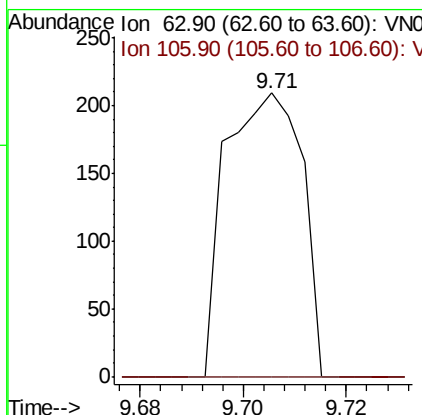
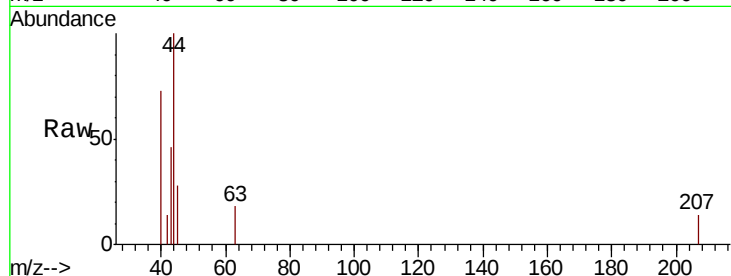




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.43 ug/l
 RT: 9.71 min Scan# 2524
 Delta R.T. 0.01 min
 Lab File: VN050482.D
 Acq: 9 Aug 2018 13:47

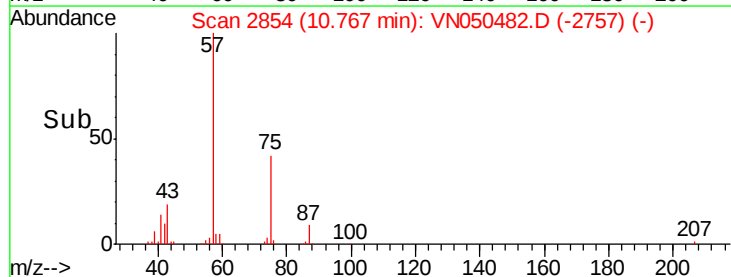
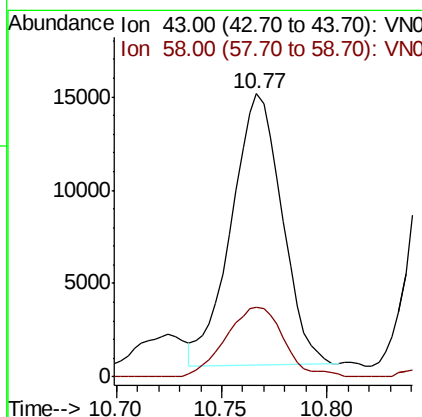
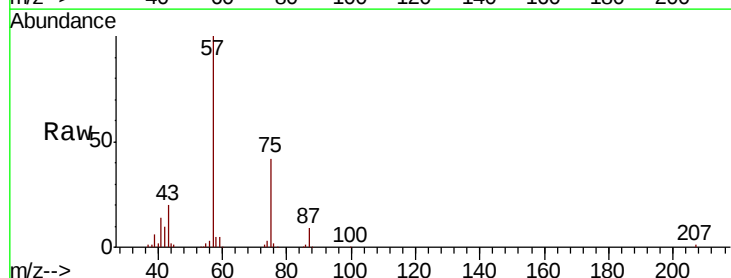
Instrument :
 MSVOA_N
 ClientSampleId :

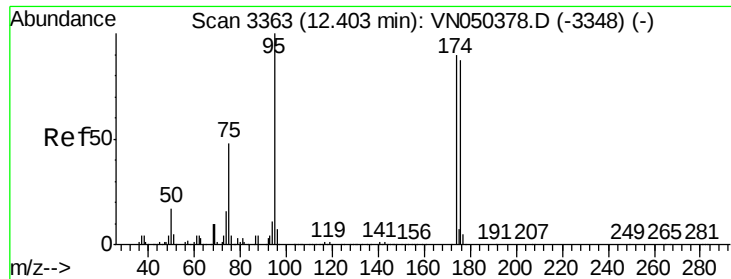
Tot Ion: 63 Resp: 214
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.7 32.5#



#59
 2-Hexanone
 Concen: 2.91 ug/l
 RT: 10.77 min Scan# 2854
 Delta R.T. 0.01 min
 Lab File: VN050482.D
 Acq: 9 Aug 2018 13:47

Tgt Ion: 43 Resp: 24234
 Ion Ratio Lower Upper
 43 100
 58 29.5 27.6 82.7

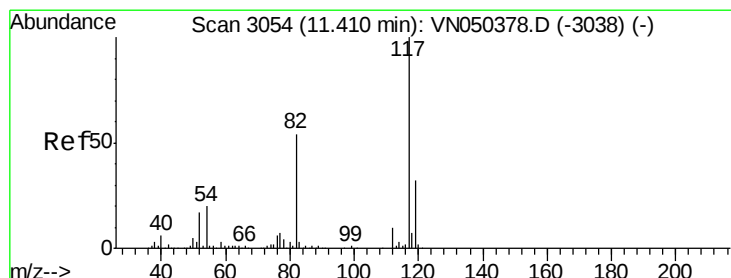
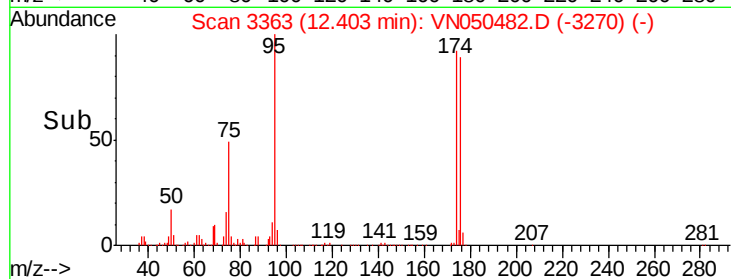
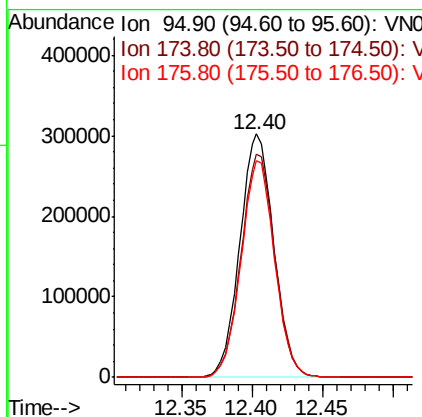
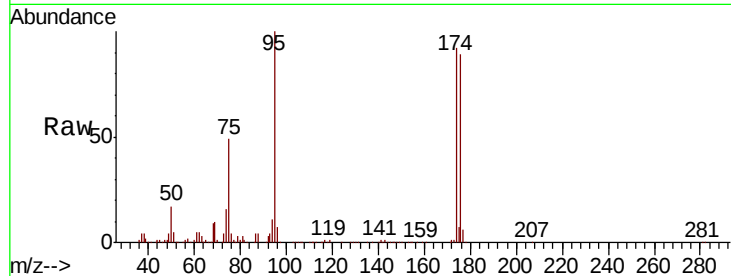




#62
4-Bromofluorobenzene
Concen: 40.68 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050482.D
Acq: 9 Aug 2018 13:47

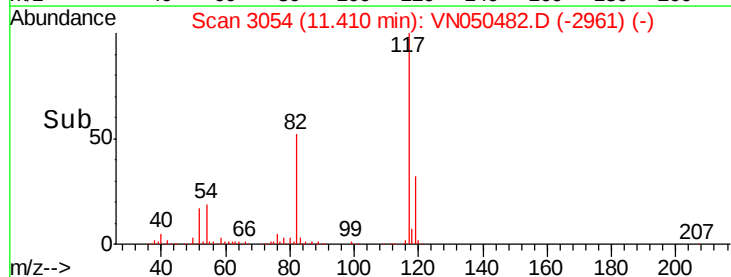
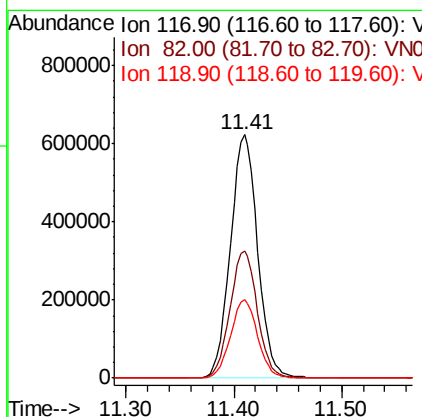
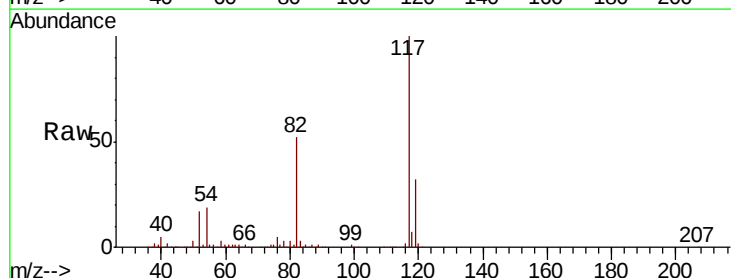
Instrument :
MSVOA_N
ClientSampleId :

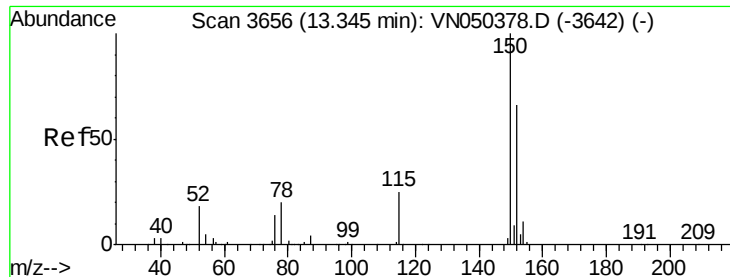
Tot Ion: 95 Resp: 507775
Ion Ratio Lower Upper
95 100
174 91.9 0.0 178.2
176 88.3 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050482.D
Acq: 9 Aug 2018 13:47

Tgt Ion: 117 Resp: 1096505
Ion Ratio Lower Upper
117 100
82 52.5 43.7 65.5
119 32.0 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

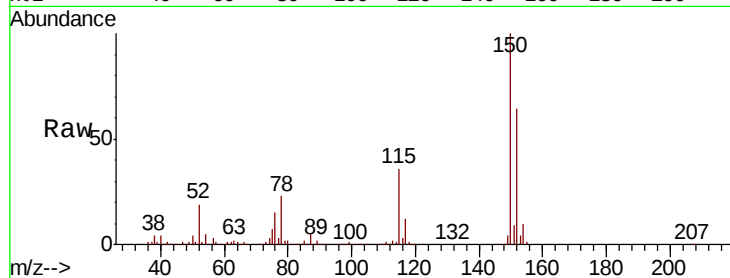
Tot Ion:152 Resp: 419608

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.3

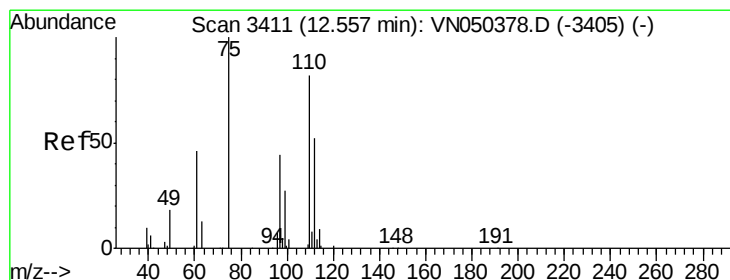
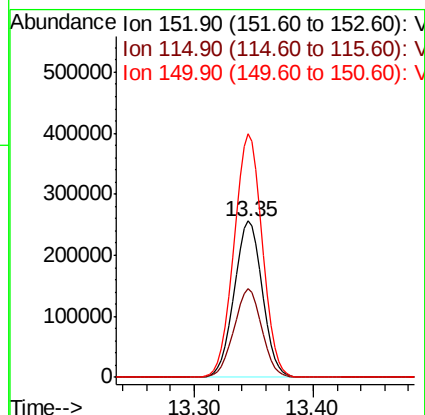
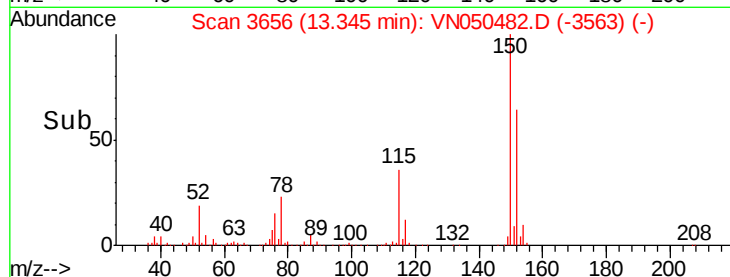
150 155.8 0.0 348.6



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



#76

1,2,3-Trichloropropane

Concen: 31.94 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050482.D

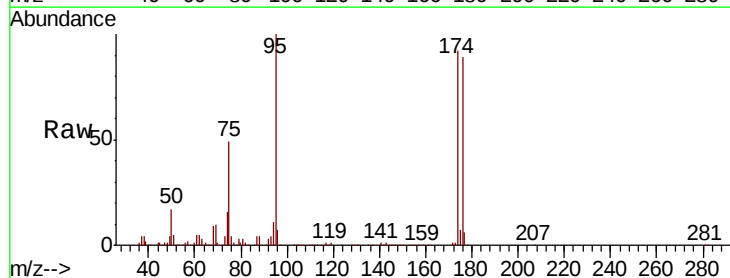
Acq: 9 Aug 2018 13:47

Tgt Ion: 75 Resp: 242561

Ion Ratio Lower Upper

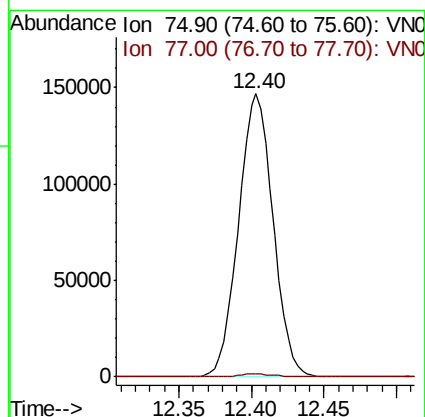
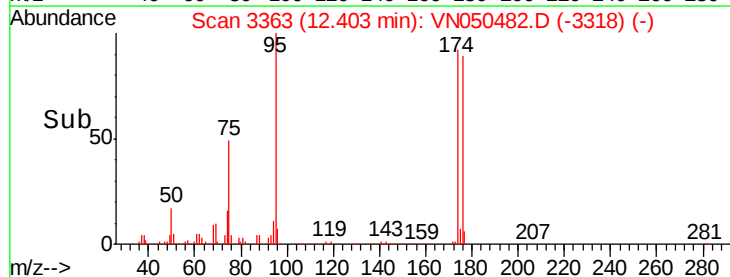
75 100

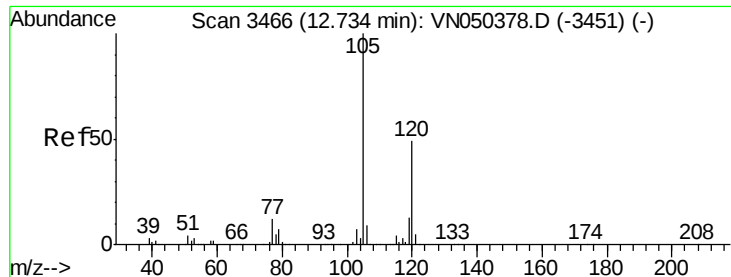
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.27 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

Instrument :

MSVOA_N

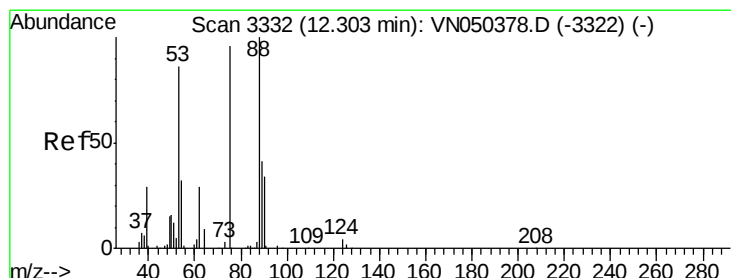
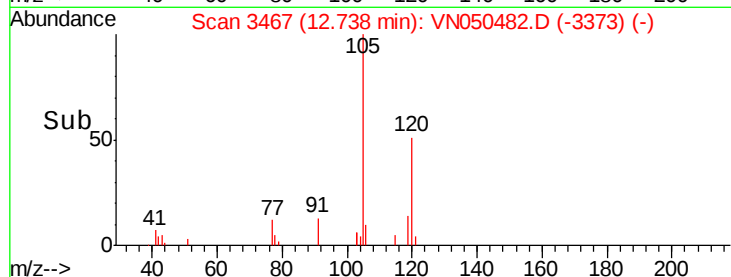
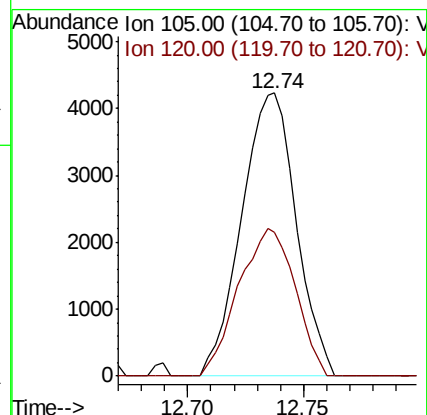
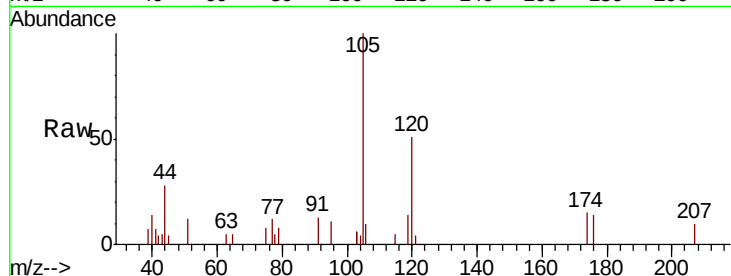
ClientSampled :

Tot Ion:105 Resp: 6913

Ion Ratio Lower Upper

105 100

120 54.2 24.4 73.2



#81

trans-1,4-Dichloro-2-butene

Concen: 112.21 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

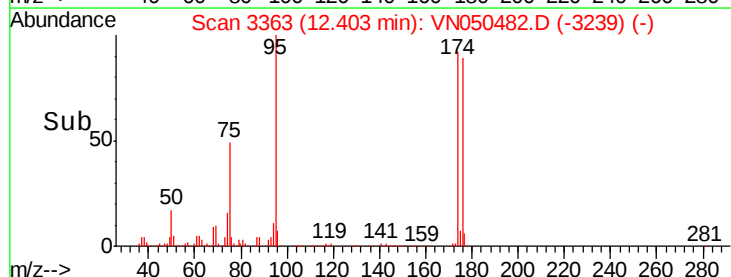
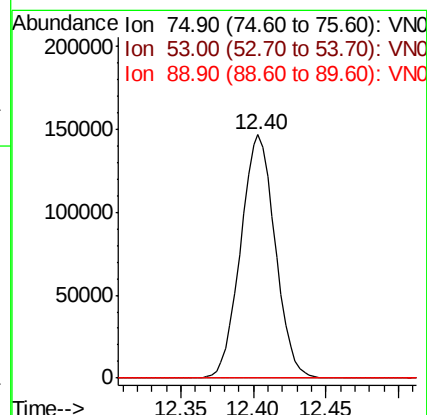
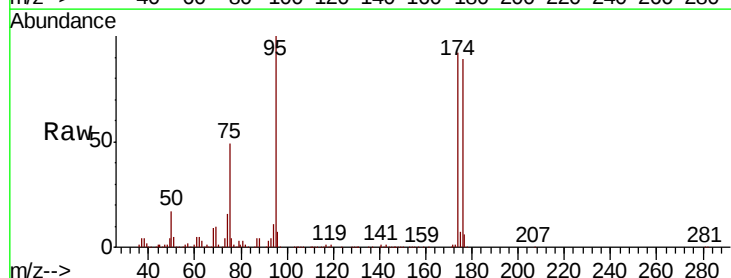
Tgt Ion: 75 Resp: 242561

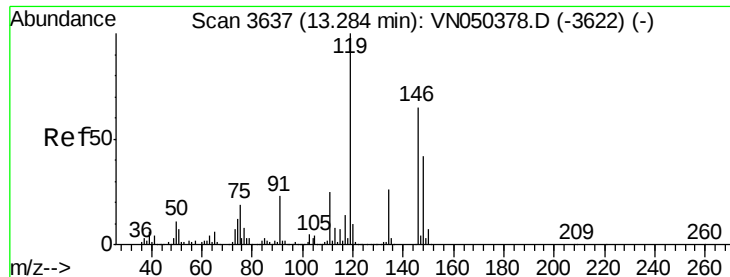
Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

89 0.0 36.0 54.0#





#87

1,3-Dichlorobenzene

Concen: 0.20 ug/l

RT: 13.28 min Scan# 3636

Delta R.T. -0.00 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

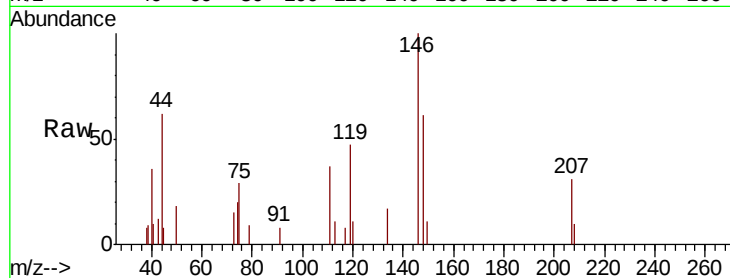
Tot Ion:146 Resp: 3038

Ion Ratio Lower Upper

146 100

111 35.6 18.8 56.4

148 59.3 31.9 95.9

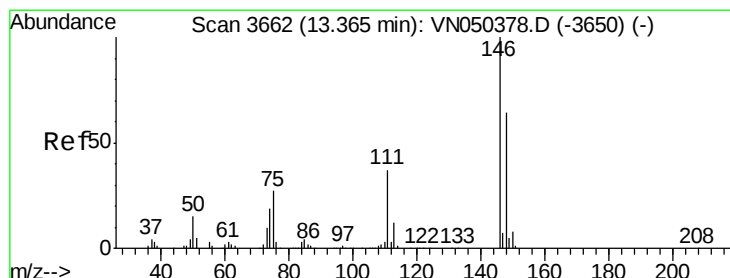
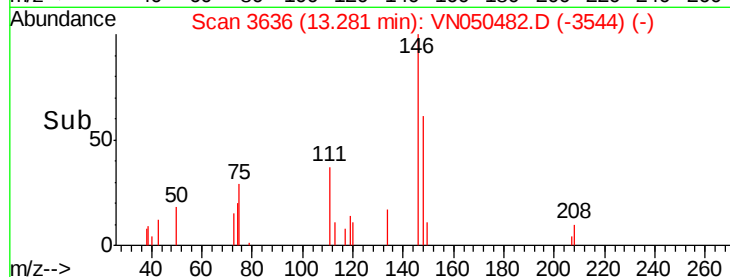
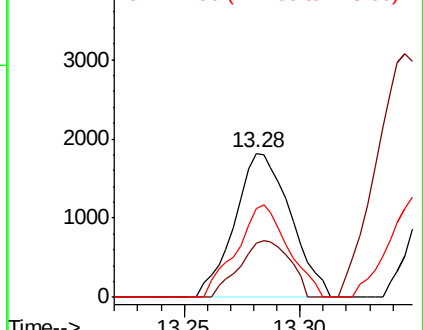


Abundance

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: 0.20 ug/l

RT: 13.28 min Scan# 3636

Delta R.T. -0.08 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

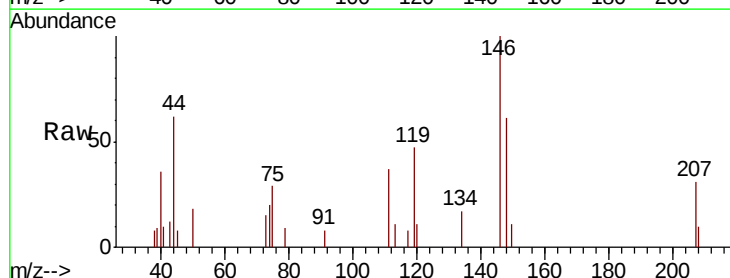
Tgt Ion:146 Resp: 3038

Ion Ratio Lower Upper

146 100

111 35.6 18.3 54.9

148 59.3 31.9 95.9

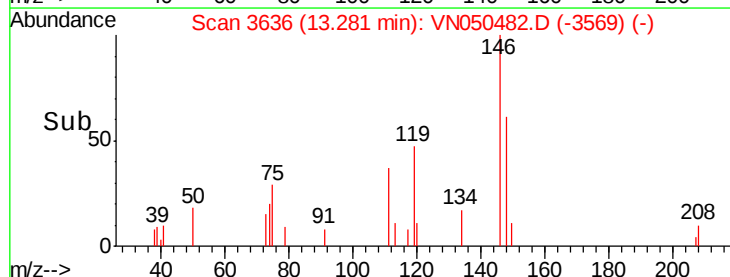
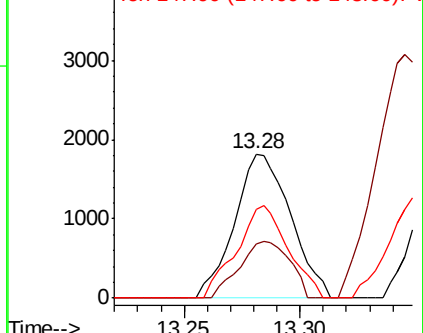


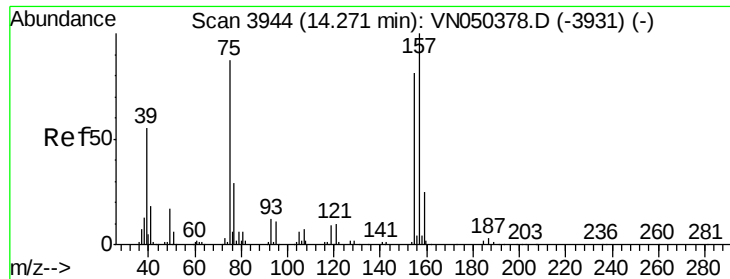
Abundance

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

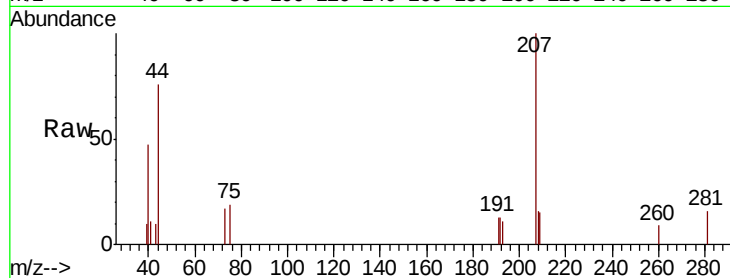




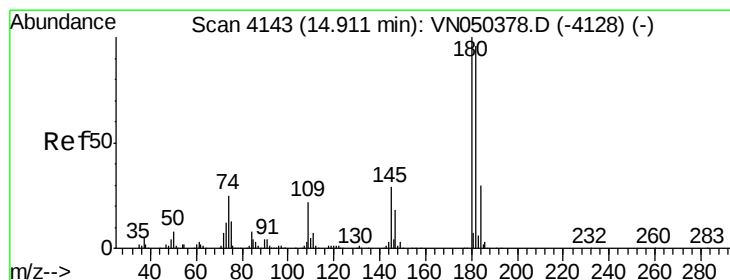
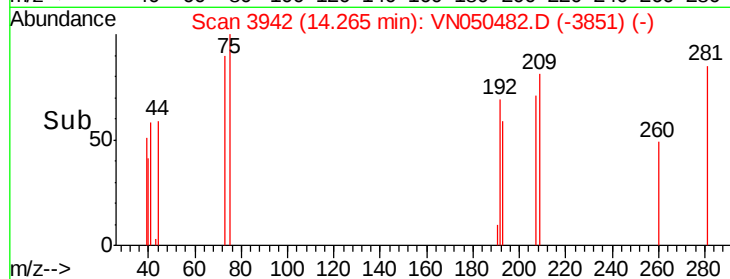
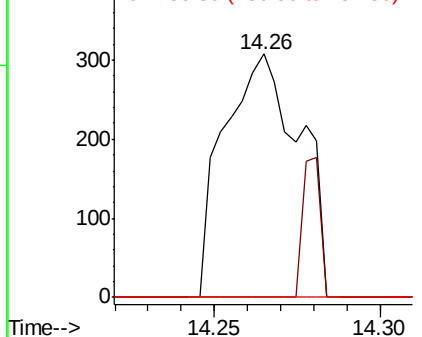
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.32 ug/l
 RT: 14.26 min Scan# 3942
 Delta R.T. -0.01 min
 Lab File: VN050482.D
 Acq: 9 Aug 2018 13:47

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 492
 Ion Ratio Lower Upper
 75 100
 155 13.8 44.8 134.4#
 157 0.0 57.2 171.6#

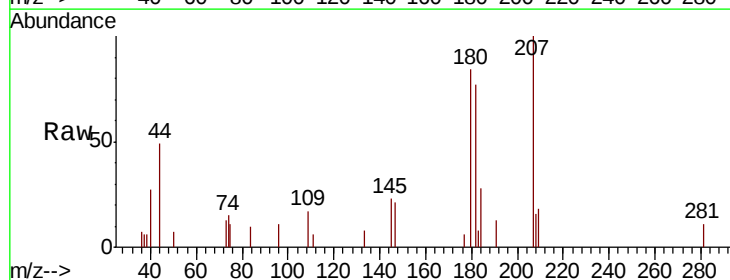


Abundance Ion 74.90 (74.60 to 75.60): VN050482.D (-3851) (-)
 Ion 154.80 (154.50 to 155.50): VN050482.D (-3851) (-)
 Ion 156.80 (156.50 to 157.50): VN050482.D (-3851) (-)

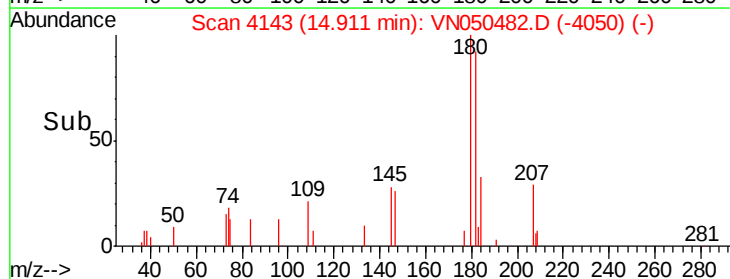
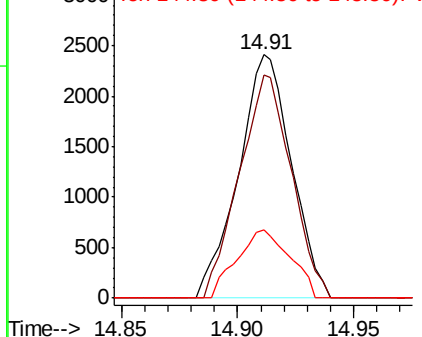


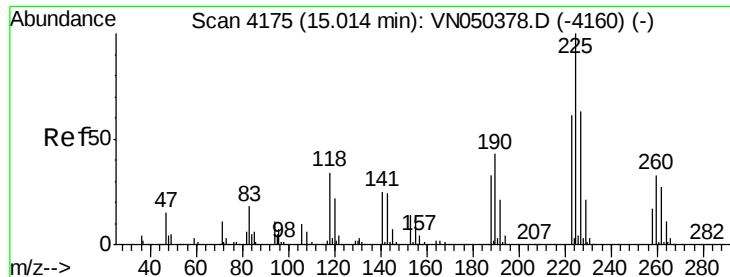
#93
 1,2,4-Trichlorobenzene
 Concen: 0.50 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050482.D
 Acq: 9 Aug 2018 13:47

Tgt Ion: 180 Resp: 3813
 Ion Ratio Lower Upper
 180 100
 182 89.9 46.7 140.1
 145 28.2 13.8 41.4



Abundance Ion 179.80 (179.50 to 180.50): VN050482.D (-4050) (-)
 Ion 181.80 (181.50 to 182.50): VN050482.D (-4050) (-)
 Ion 144.80 (144.50 to 145.50): VN050482.D (-4050) (-)

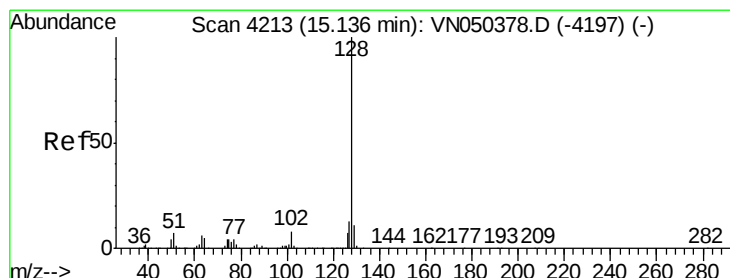
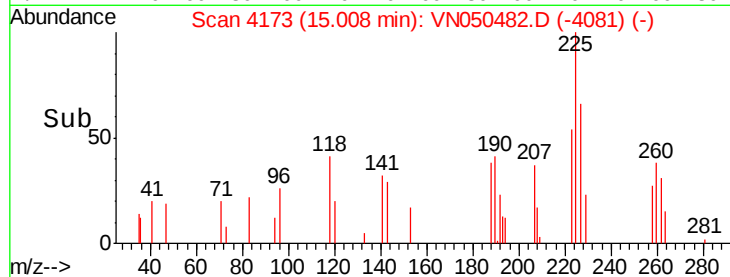
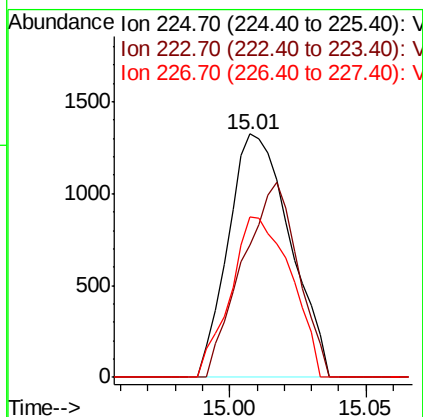
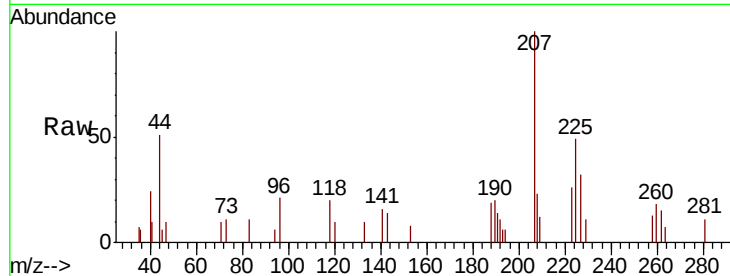




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4173
Delta R.T. -0.01 min
Lab File: VN050482.D
Acq: 9 Aug 2018 13:47

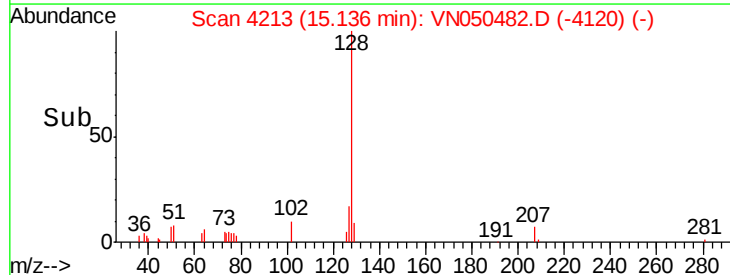
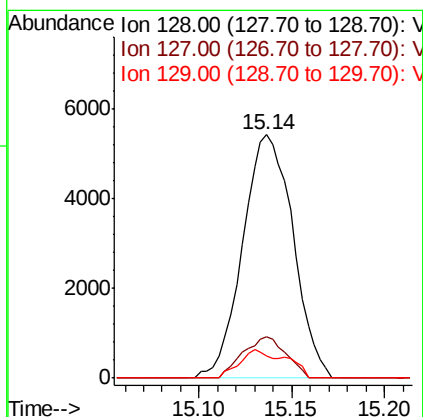
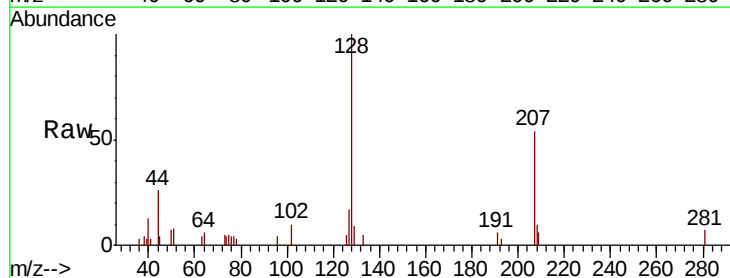
Instrument :
MSVOA_N
ClientSampleId :

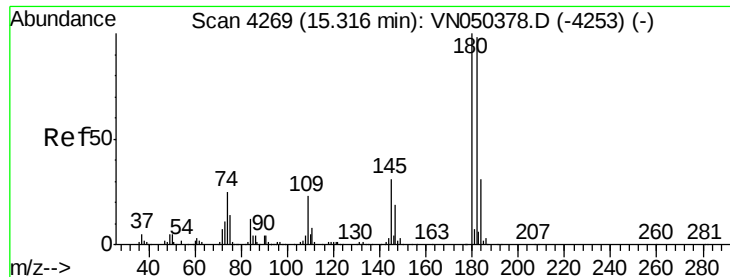
Tot Ion:225 Resp: 2085
Ion Ratio Lower Upper
225 100
223 72.0 31.4 94.2
227 64.6 32.1 96.5



#95
Naphthalene
Concen: 4.09 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050482.D
Acq: 9 Aug 2018 13:47

Tgt Ion:128 Resp: 10202
Ion Ratio Lower Upper
128 100
127 14.6 10.4 15.6
129 7.9 8.8 13.2#





#96

1,2,3-Trichlorobenzene

Concen: 0.59 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.01 min

Lab File: VN050482.D

Acq: 9 Aug 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

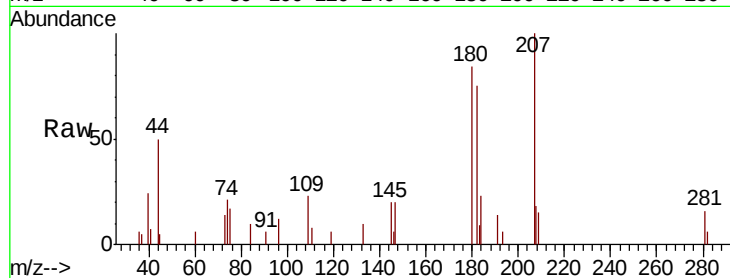
Tot Ion:180 Resp: 4582

Ion Ratio Lower Upper

180 100

182 95.1 48.1 144.4

145 26.5 15.3 45.9



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

