

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049387.D
 Acq On : 19 Jun 2018 16:03
 Operator : MD\SY
 Sample : PB110363TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 04:30:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1269620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1948689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1628006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	460981	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	848094	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
35) Dibromofluoromethane	7.59	113	736751	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
50) Toluene-d8	10.09	98	2704503	45.05	ug/l	0.00
Spiked Amount			Recovery	=	90.10%	
62) 4-Bromofluorobenzene	12.40	95	693391	34.93	ug/l	0.00
Spiked Amount			Recovery	=	69.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4002	0.21	ug/l	96
5) Bromomethane	2.57	94	7740	0.73	ug/l	97
10) Methyl Iodide	3.95	142	4728	0.29	ug/l #	89
11) Tert butyl alcohol	4.81	59	480	0.49	ug/l #	70
13) Acrolein	3.61	56	1301	1.26	ug/l	85
15) Acrylonitrile	5.00	53	2101	0.43	ug/l #	68
16) Acetone	3.83	43	48484	11.86	ug/l #	89
17) Carbon Disulfide	4.05	76	13378	0.29	ug/l	99
18) Methyl Acetate	4.34	43	88055	7.06	ug/l	95
20) Methylene Chloride	4.55	84	33412	1.96	ug/l #	88
25) 2-Butanone	6.84	43	5021	0.91	ug/l	90
29) Tetrahydrofuran	7.23	42	6153	1.74	ug/l #	74
31) Cyclohexane	7.67	56	24062	0.79	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	87650	3.92	ug/l #	51
38) Carbon Tetrachloride	7.67	117	113260	4.90	ug/l #	17
43) Isopropyl Acetate	8.27	43	103286	4.45	ug/l #	64
49) 1,4-Dioxane	9.20	88	367	2.43	ug/l #	41
51) 4-Methyl-2-Pentanone	9.99	43	11804	0.97	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.70	63	230	14.36	ug/l #	51
59) 2-Hexanone	10.76	43	7824	1.00	ug/l	83
65) Chlorobenzene	11.44	112	24937	0.59	ug/l #	86
74) N-amyl acetate	12.08	43	3207	0.32	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	1400	Below	Cal	80
76) 1,2,3-Trichloropropane	12.40	75	334734	42.56	ug/l #	100
77) Bromobenzene	12.53	156	2176	0.20	ug/l	84
81) trans-1,4-Dichloro-2-buten	12.40	75	334734	134.50	ug/l #	9
82) 4-Chlorotoluene	12.78	91	7321	0.27	ug/l	94
87) 1,3-Dichlorobenzene	13.29	146	5382	0.31	ug/l	94
88) 1,4-Dichlorobenzene	13.29	146	5382	0.31	ug/l	95
89) n-Butylbenzene	13.62	91	6817	0.28	ug/l	94
90) Hexachloroethane	13.85	117	31	Below	Cal	67
91) 1,2-Dichlorobenzene	13.66	146	5308	0.31	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1300	0.92	ug/l #	47
93) 1,2,4-Trichlorobenzene	14.91	180	8311	5.69	ug/l	97

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Quant Title : SW846 8260
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Response via : Initial Calibration

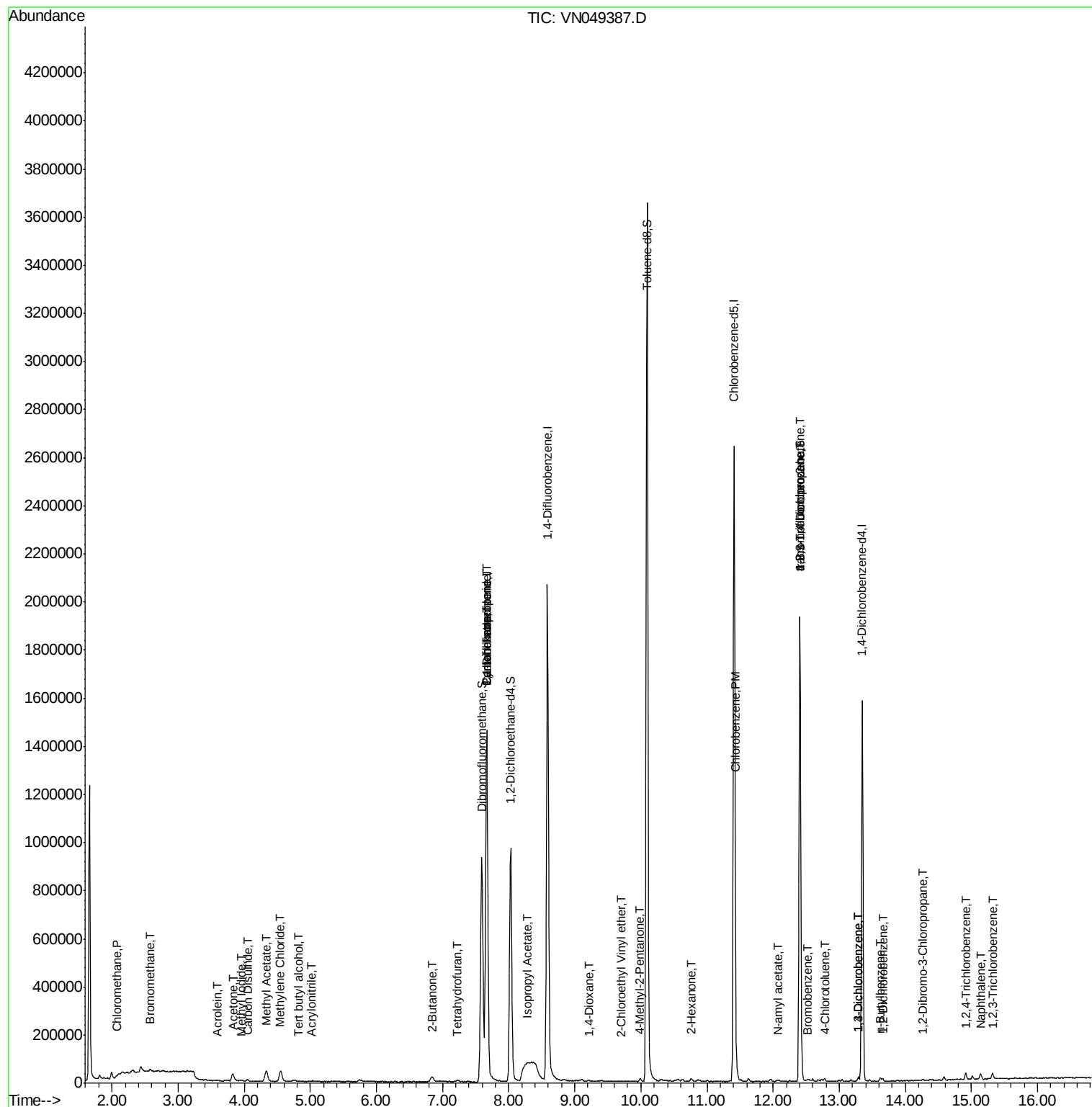
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	2141	Below Cal		96
95) Naphthalene	15.14	128	19264	3.58	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	9056	4.55	ug/l	97

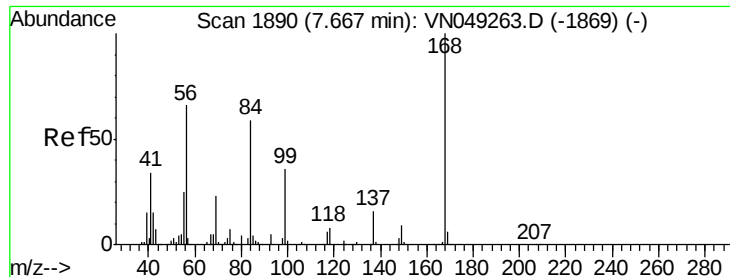
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061918\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

Instrument :

MSVOA_N

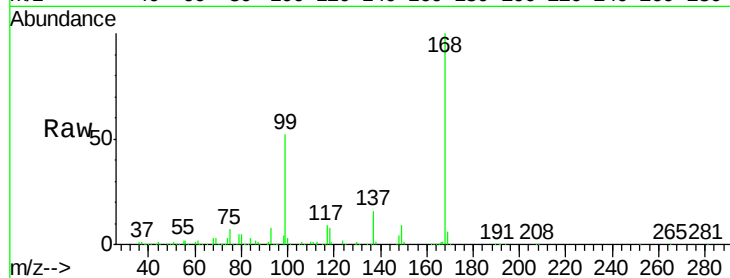
ClientSampleId :

Tot Ion:168 Resp: 1269620

Ion Ratio Lower Upper

168 100

99 51.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

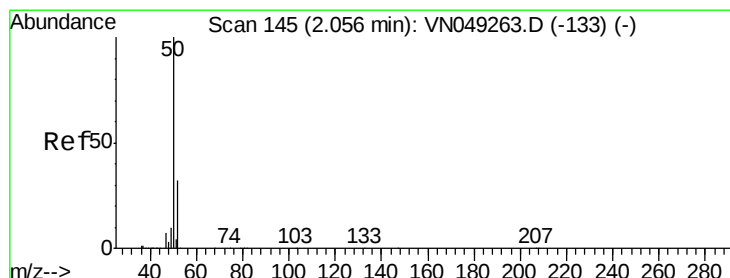
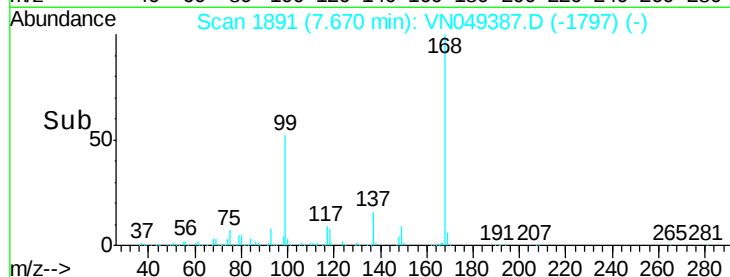
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049387.D

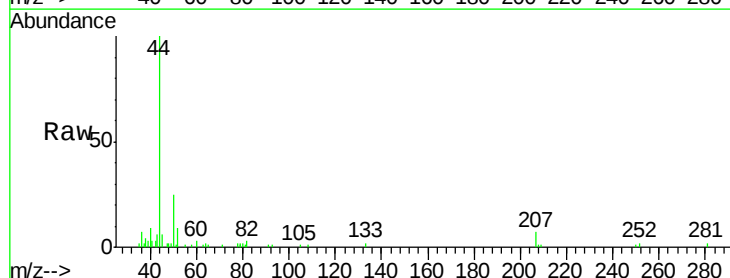
Acq: 19 Jun 2018 16:03

Tgt Ion: 50 Resp: 4002

Ion Ratio Lower Upper

50 100

52 29.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

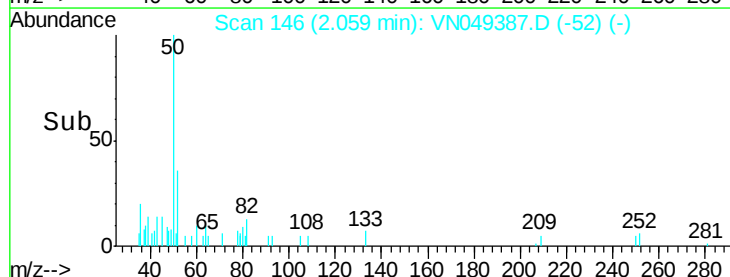
3000

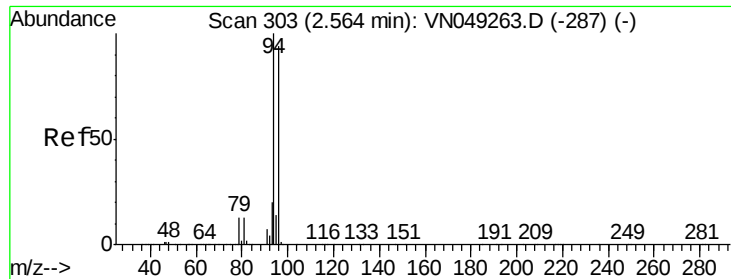
2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.73 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

Instrument :

MSVOA_N

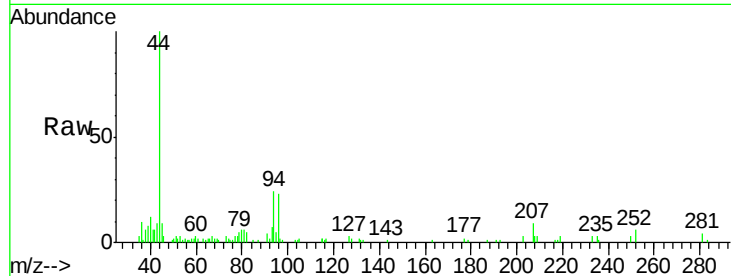
ClientSampled :

Tot Ion: 94 Resp: 7740

Ion Ratio Lower Upper

94 100

96 87.8 72.8 109.2

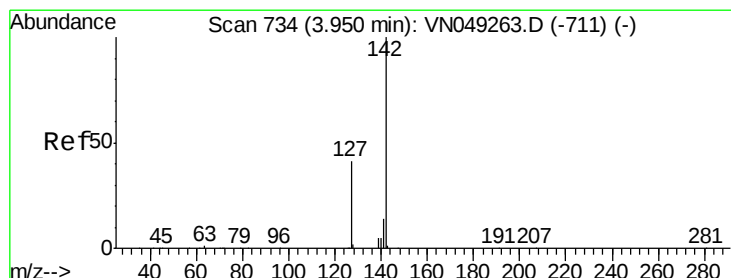
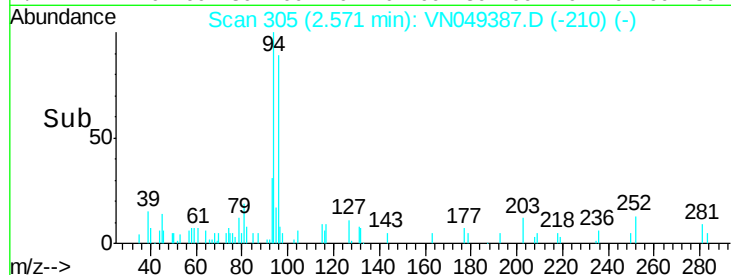


Abundance Ion 93.90 (93.60 to 94.60): VN049263.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN049263.D (-287) (-)

2.57

Time-->



#10

Methyl Iodide

Concen: 0.29 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

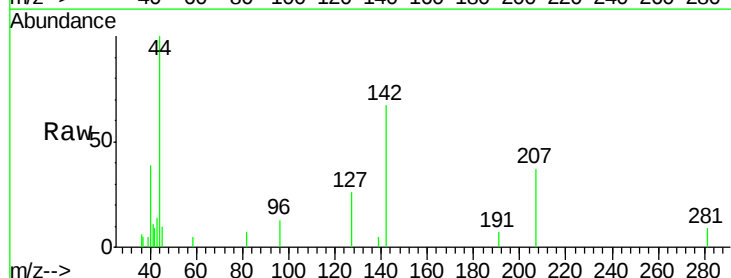
Tgt Ion: 142 Resp: 4728

Ion Ratio Lower Upper

142 100

127 43.8 38.2 57.4

141 3.6 11.9 17.9#



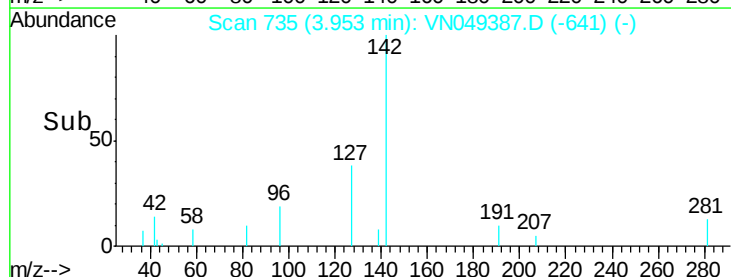
Abundance Ion 141.80 (141.50 to 142.50): VN049263.D (-711) (-)

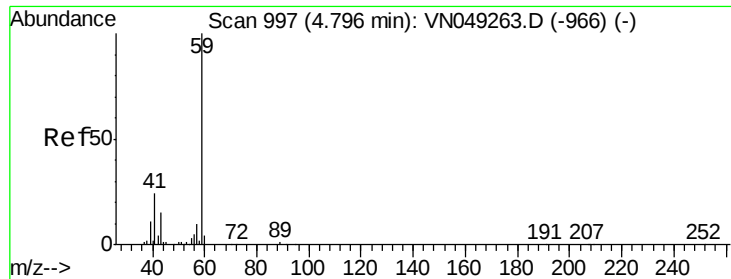
Ion 126.80 (126.50 to 127.50): VN049263.D (-711) (-)

Ion 140.80 (140.50 to 141.50): VN049263.D (-711) (-)

3.95

Time-->



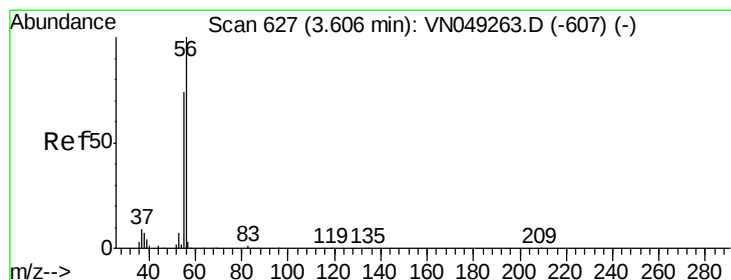
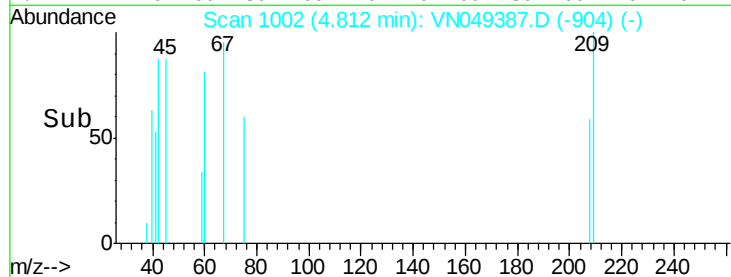
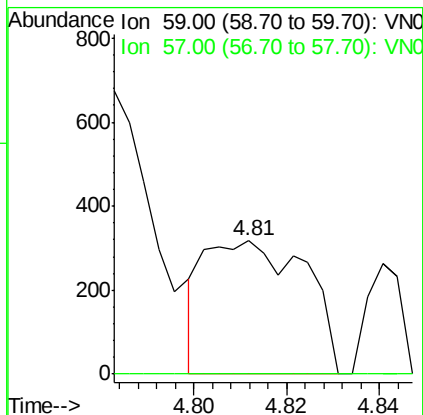
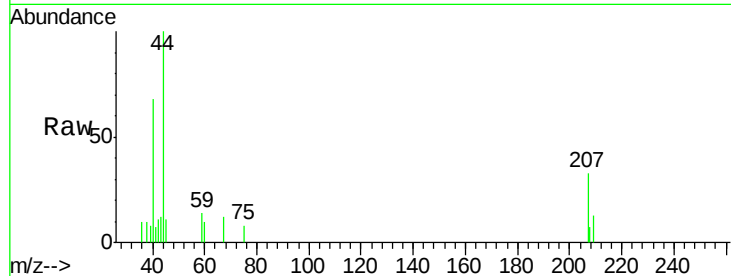


#11

Tert butyl alcohol
Concen: 0.49 ug/l
RT: 4.81 min Scan# 1002
Delta R.T. 0.02 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

Instrument :
MSVOA_N
ClientSampled :

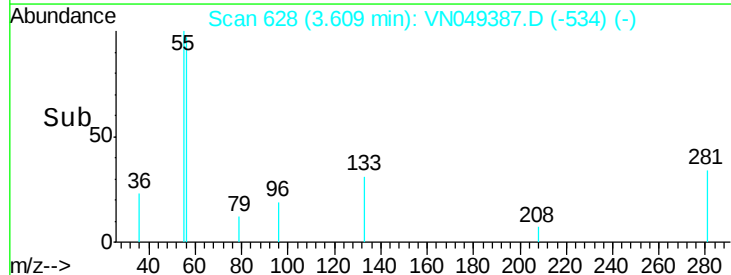
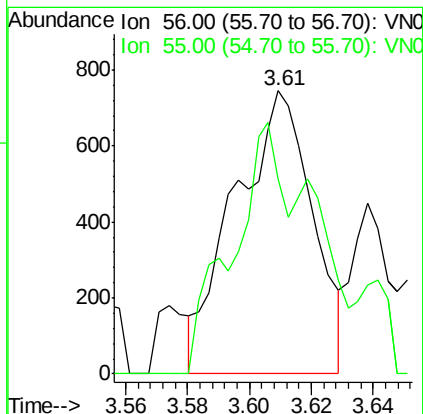
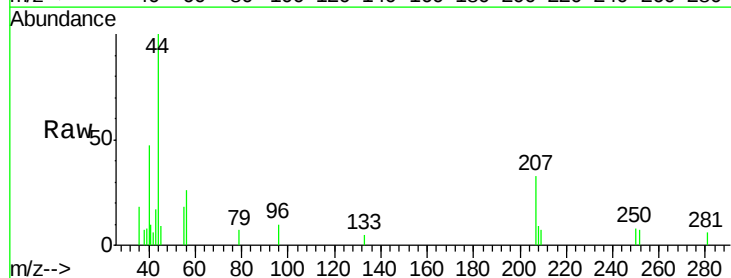
Tot Ion: 59 Resp: 480
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#

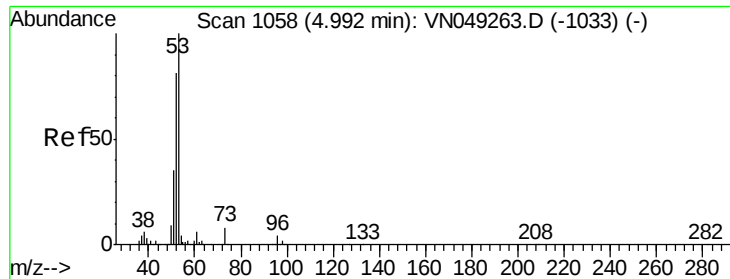


#13

Acrolein
Concen: 1.26 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

Tgt Ion: 56 Resp: 1301
Ion Ratio Lower Upper
56 100
55 59.3 57.1 85.7

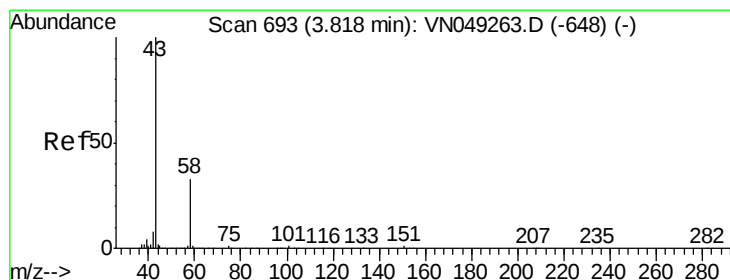
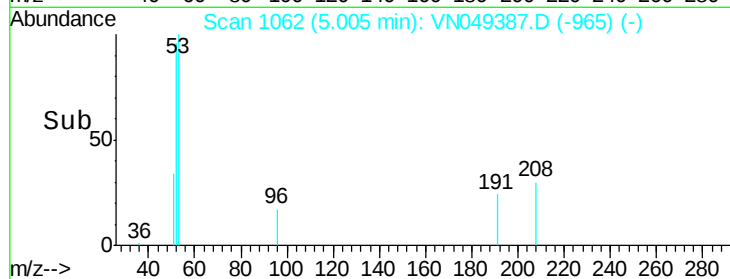
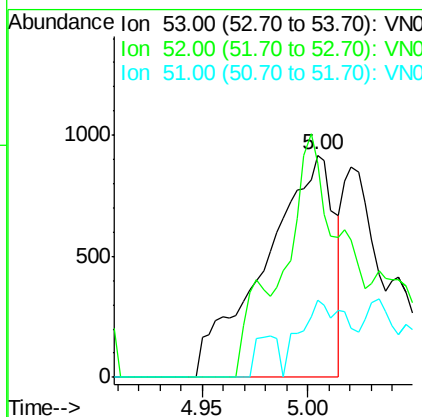
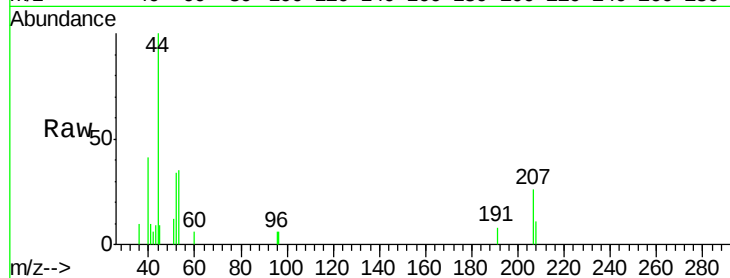




#15
 Acrylonitrile
 Concen: 0.43 ug/l
 RT: 5.00 min Scan# 1062
 Delta R.T. 0.01 min
 Lab File: VN049387.D
 Acq: 19 Jun 2018 16:03

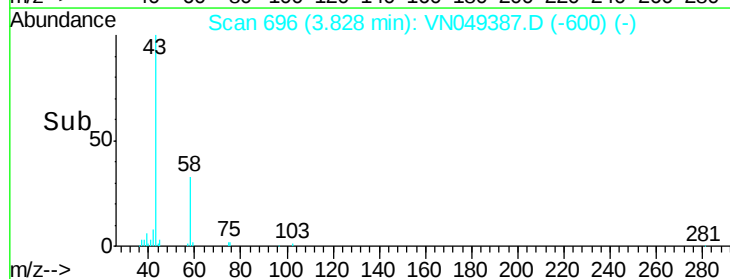
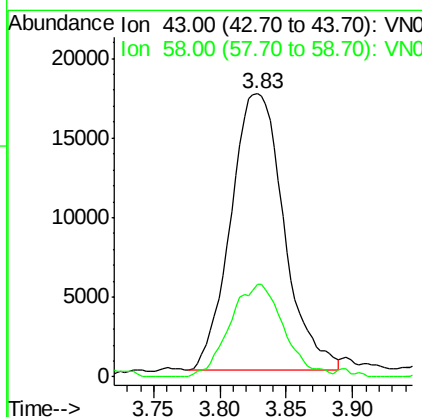
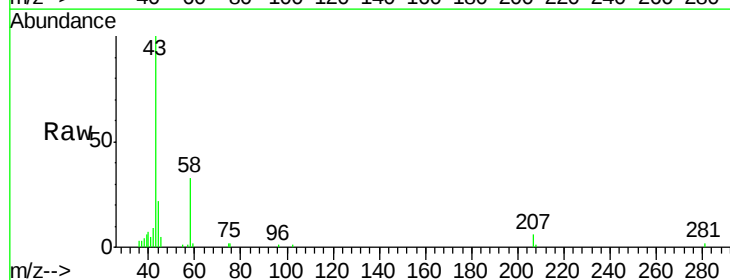
Instrument :
 MSVOA_N
 ClientSampleId :

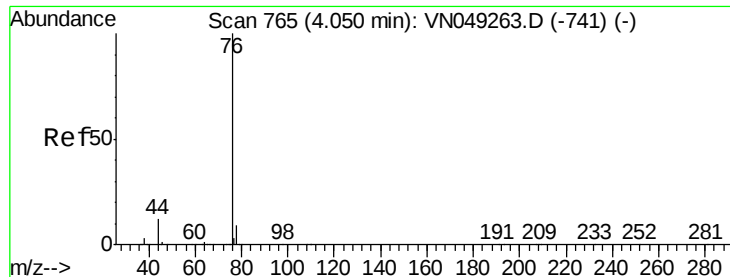
Tot Ion: 53 Resp: 2101
 Ion Ratio Lower Upper
 53 100
 52 50.3 66.6 100.0#
 51 23.8 29.8 44.8#



#16
 Acetone
 Concen: 11.86 ug/l
 RT: 3.83 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VN049387.D
 Acq: 19 Jun 2018 16:03

Tgt Ion: 43 Resp: 48484
 Ion Ratio Lower Upper
 43 100
 58 33.6 22.4 33.6#

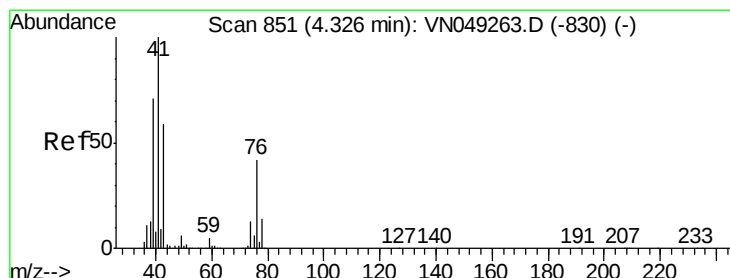
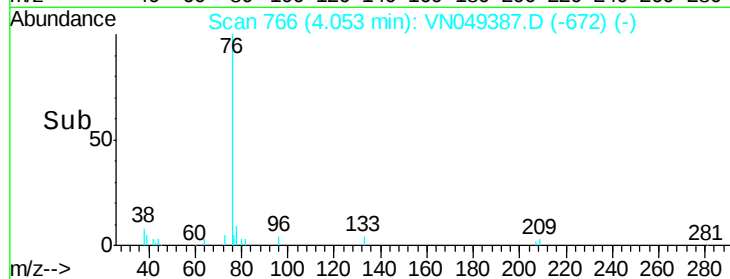
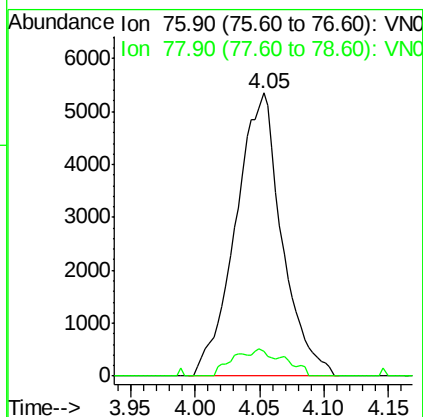
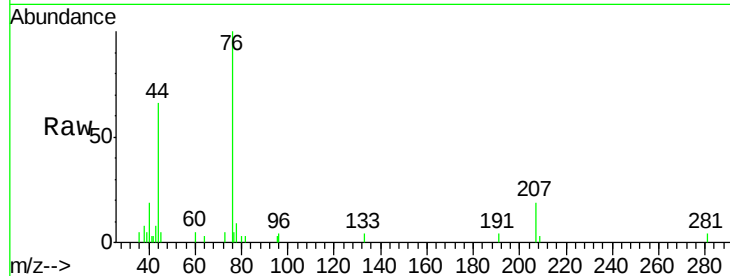




#17
Carbon Disulfide
Concen: 0.29 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

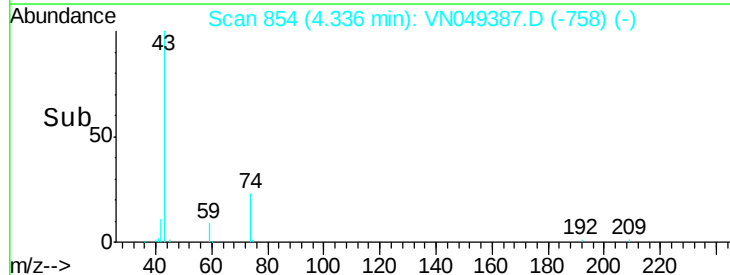
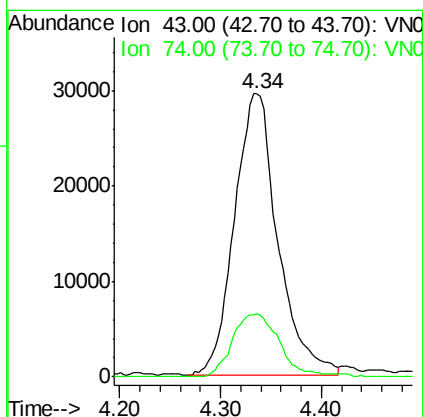
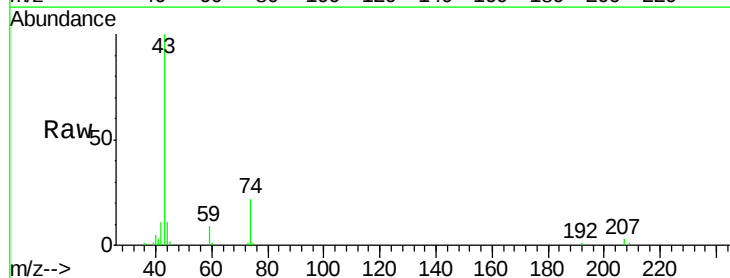
Instrument :
MSVOA_N
ClientSampled :

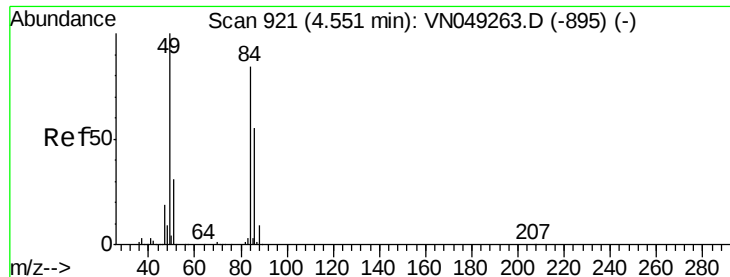
Tot Ion: 76 Resp: 13378
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 7.06 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

Tgt Ion: 43 Resp: 88055
Ion Ratio Lower Upper
43 100
74 24.1 17.4 26.0

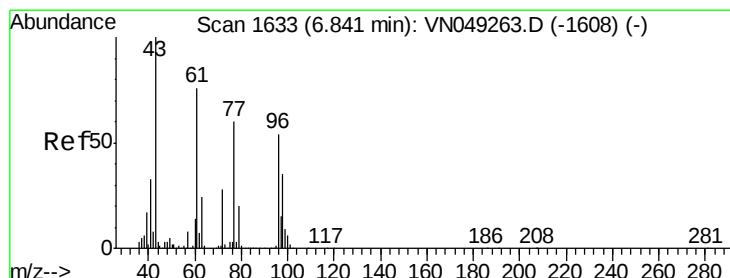
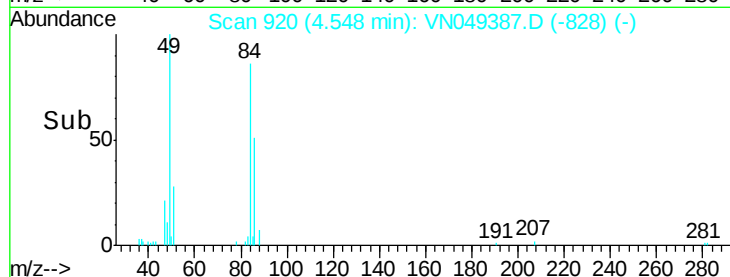
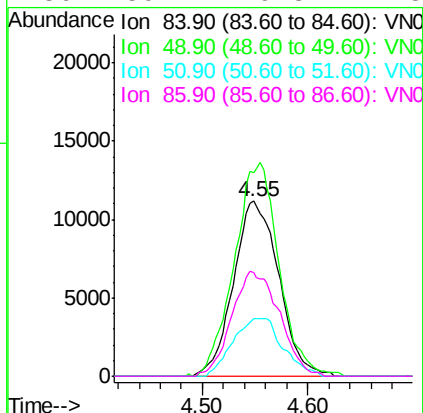
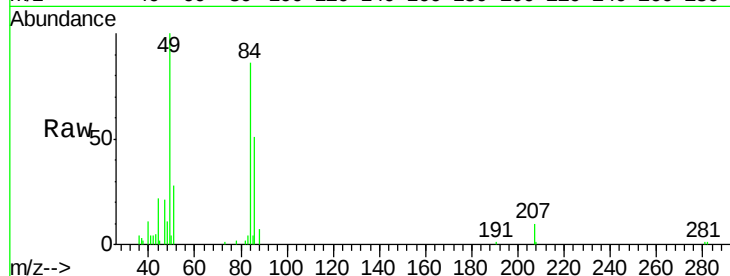




#20
Methylene Chloride
Concen: 1.96 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

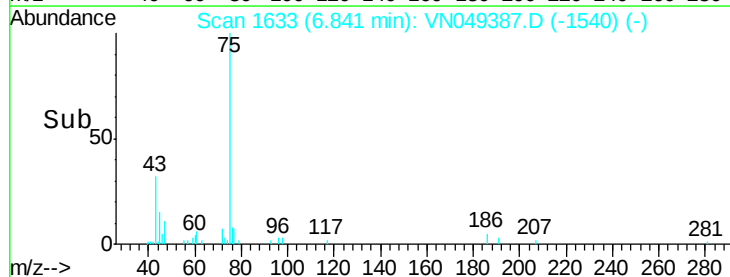
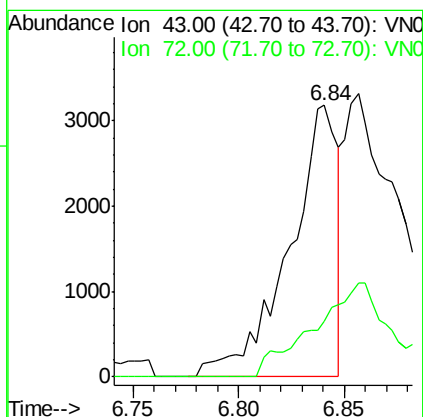
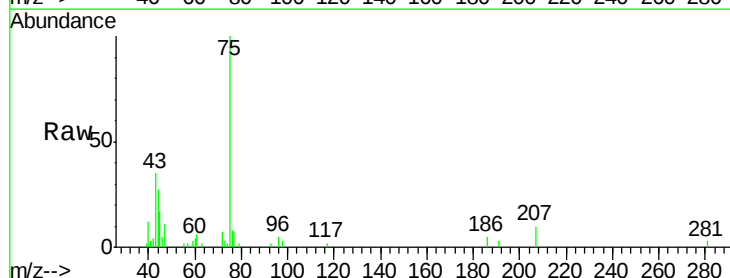
Instrument :
MSVOA_N
ClientSampleId :

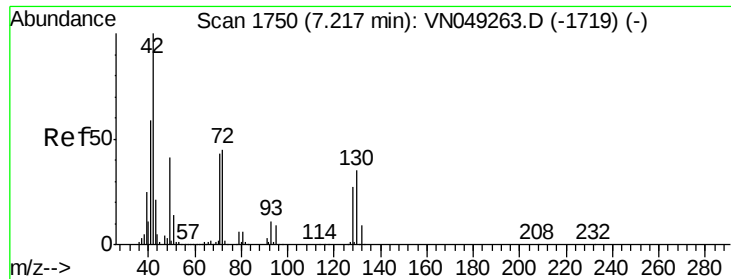
Tot Ion: 84 Resp: 33412
Ion Ratio Lower Upper
84 100
49 114.9 106.9 160.3
51 32.6 32.7 49.1#
86 59.4 49.8 74.8



#25
2-Butanone
Concen: 0.91 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

Tgt Ion: 43 Resp: 5021
Ion Ratio Lower Upper
43 100
72 20.4 20.2 30.2

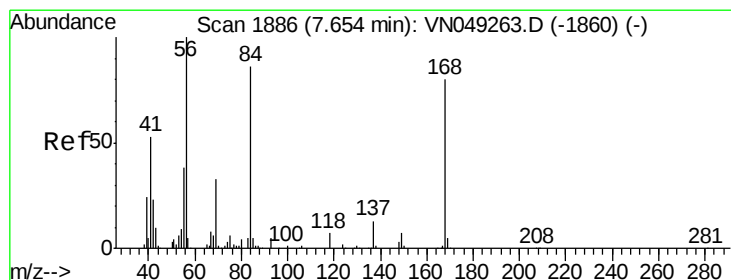
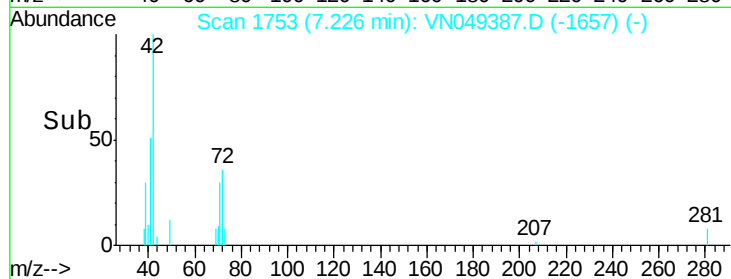
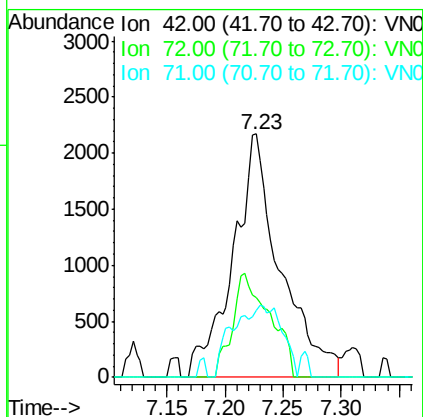
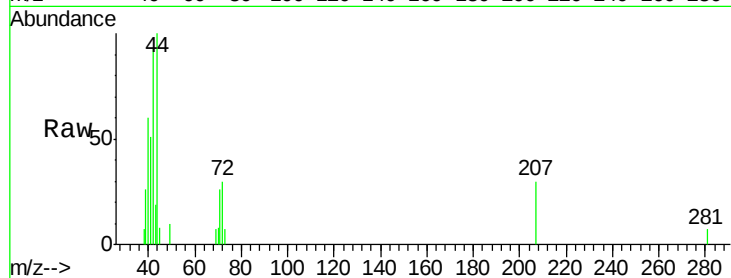




#29
Tetrahydrofuran
Concen: 1.74 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

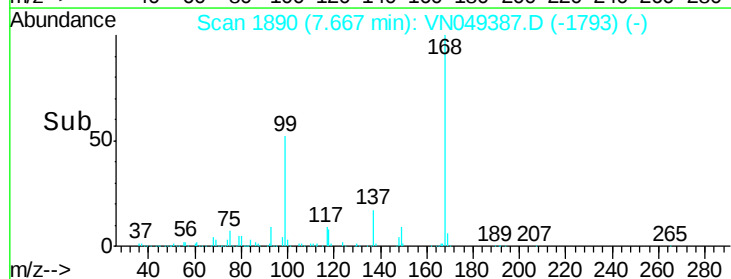
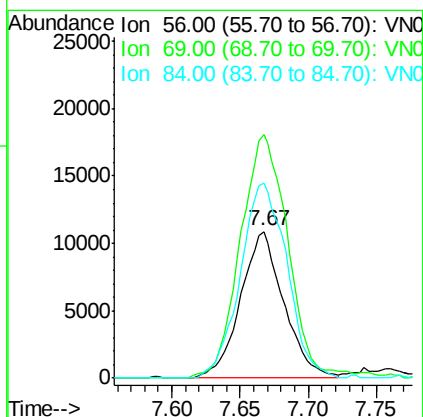
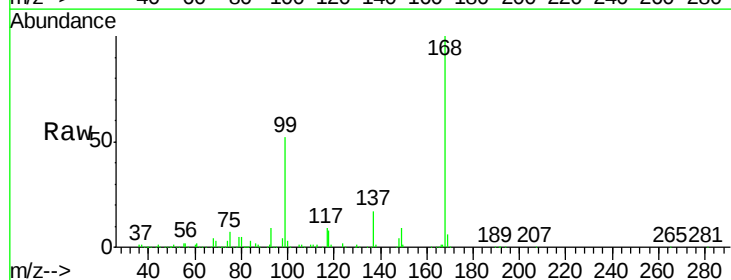
Instrument :
MSVOA_N
ClientSampled :

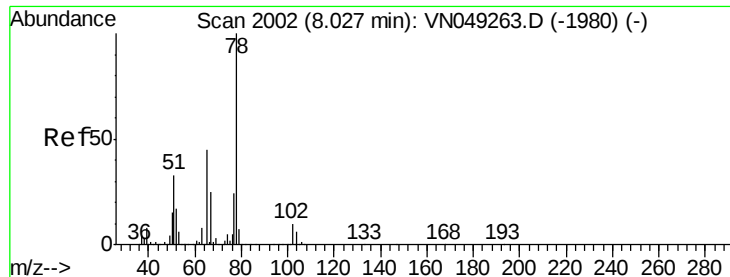
Tot Ion: 42 Resp: 6153
Ion Ratio Lower Upper
42 100
72 33.6 32.2 48.4
71 12.3 30.5 45.7#



#31
Cyclohexane
Concen: 0.79 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

Tgt Ion: 56 Resp: 24062
Ion Ratio Lower Upper
56 100
69 166.3 25.0 37.4#
84 133.5 64.6 96.8#





#33

1,2-Dichloroethane-d4

Concen: 50.36 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

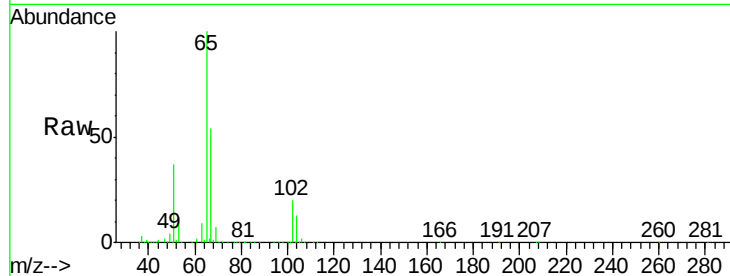
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 848094

Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049387.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049387.D (-1909) (-)

8.03

400000

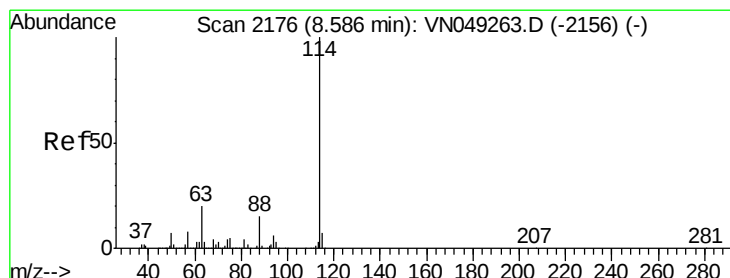
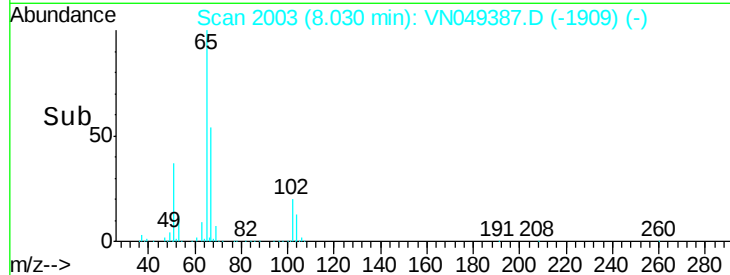
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

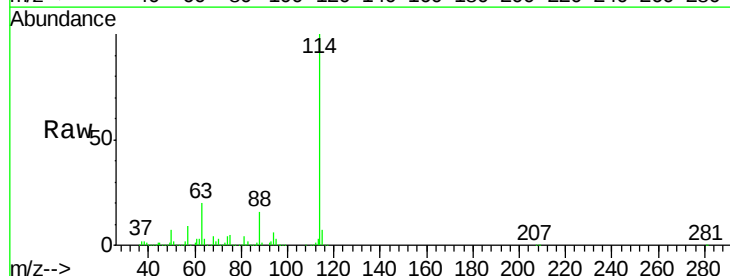
Tgt Ion: 114 Resp: 1948689

Ion Ratio Lower Upper

114 100

63 20.3 0.0 44.4

88 15.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049387.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049387.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049387.D (-2083) (-)

8.59

1200000

1000000

800000

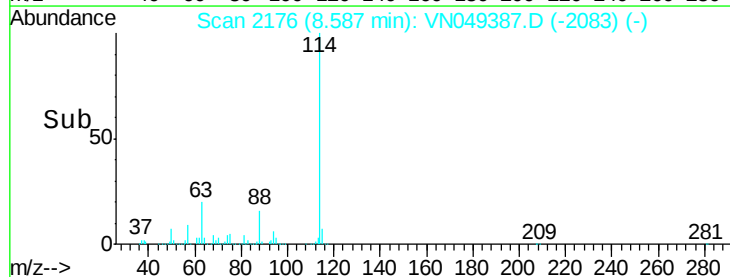
600000

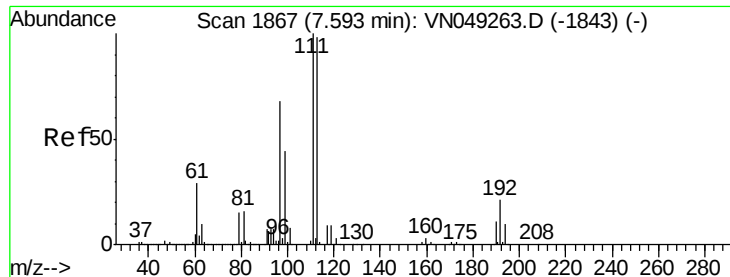
400000

200000

0

Time-->

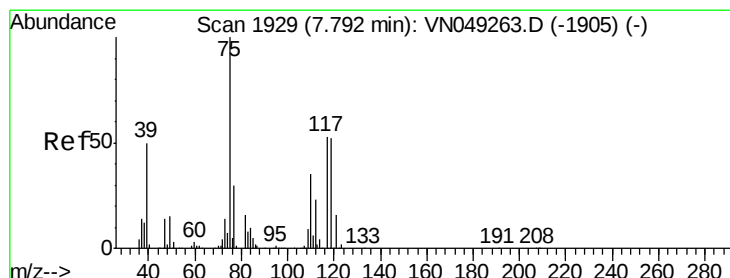
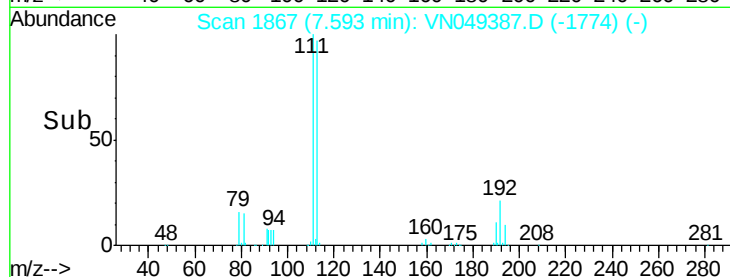
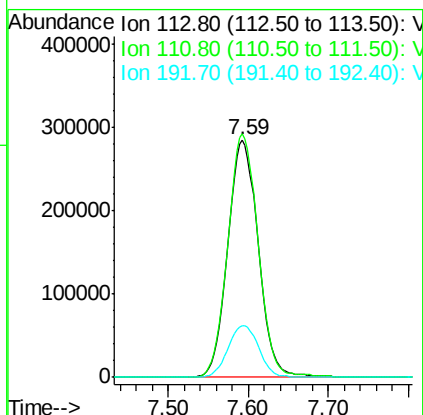
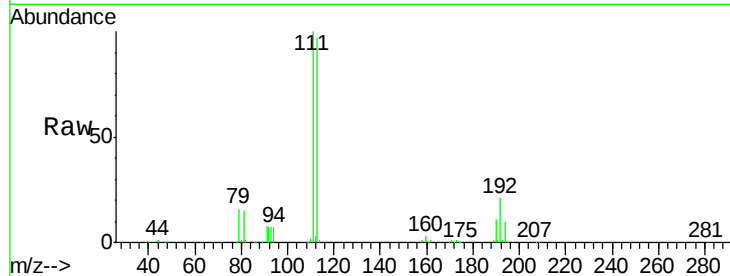




#35
 Dibromofluoromethane
 Concen: 46.73 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049387.D
 Acq: 19 Jun 2018 16:03

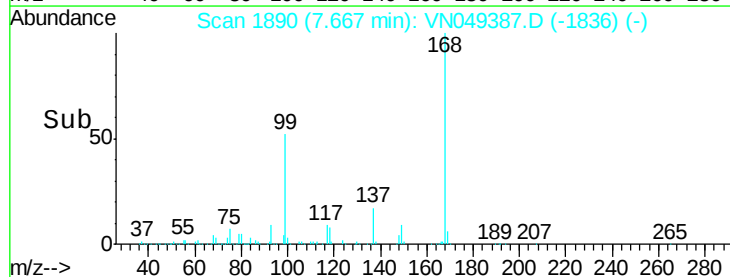
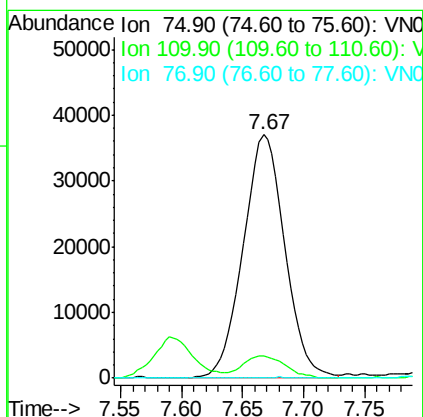
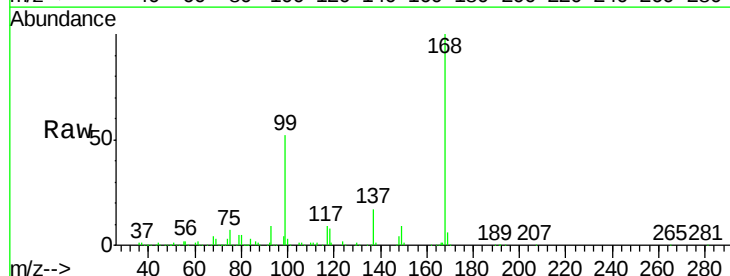
Instrument :
 MSVOA_N
 ClientSampleId :

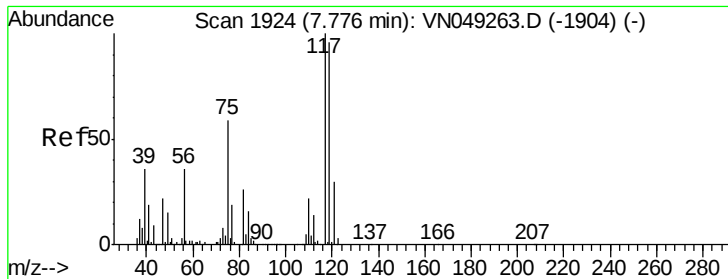
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	22.1	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 3.92 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049387.D
 Acq: 19 Jun 2018 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.0	50.9#
77	0.0	24.4	36.6#

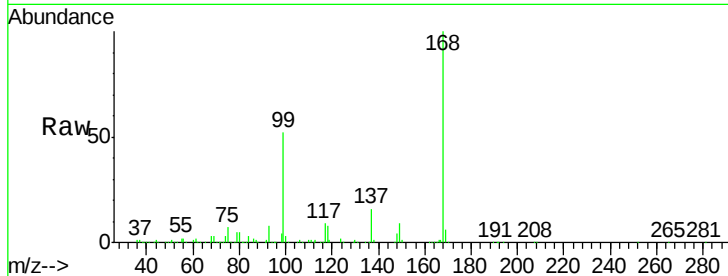




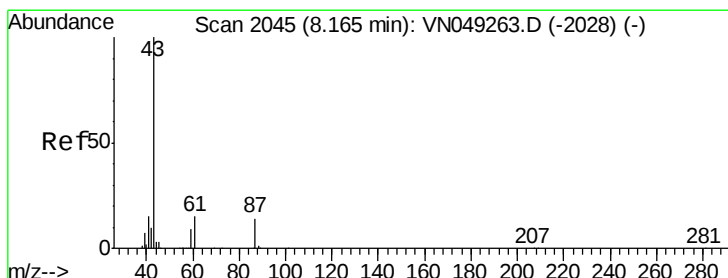
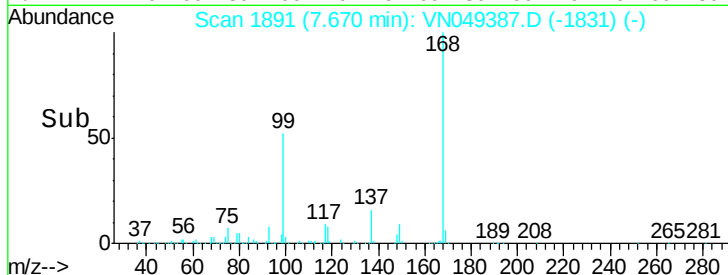
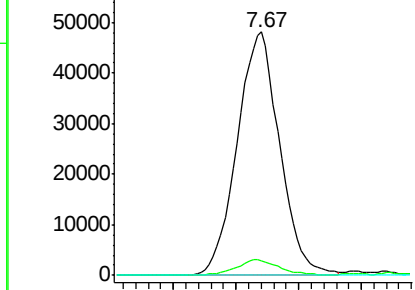
#38
Carbon Tetrachloride
Concen: 4.90 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 113260
Ion Ratio Lower Upper
117 100
119 5.9 75.6 113.4#
121 0.0 24.7 37.1#

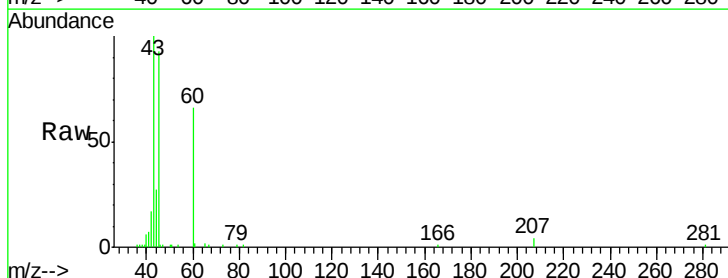


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

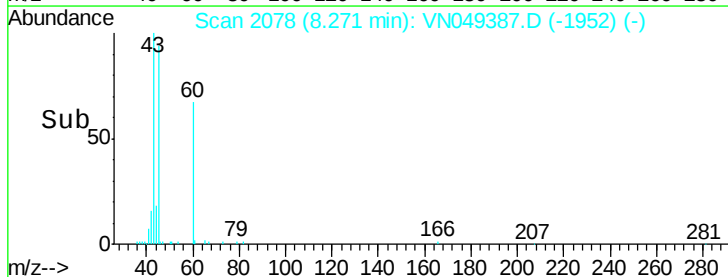
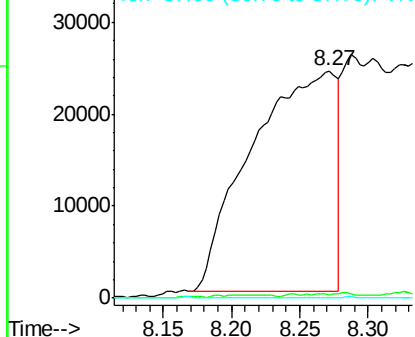


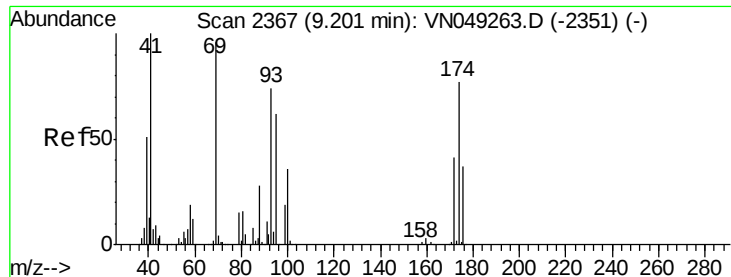
#43
Isopropyl Acetate
Concen: 4.45 ug/l
RT: 8.27 min Scan# 2078
Delta R.T. 0.11 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

Tgt Ion: 43 Resp: 103286
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
87 0.1 9.4 14.0#



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

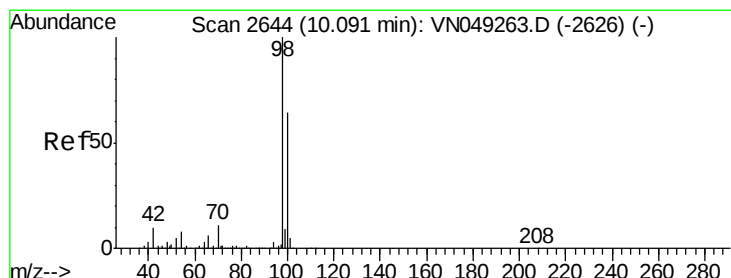
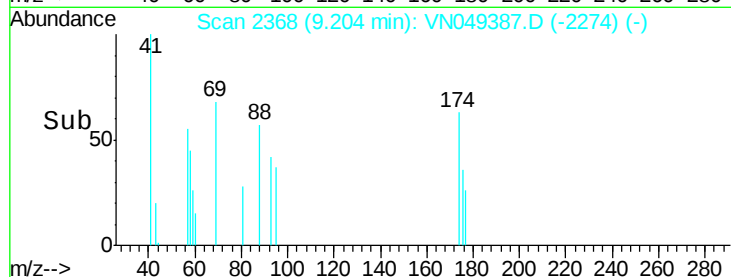
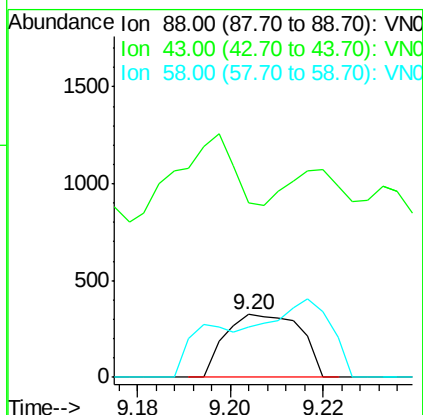
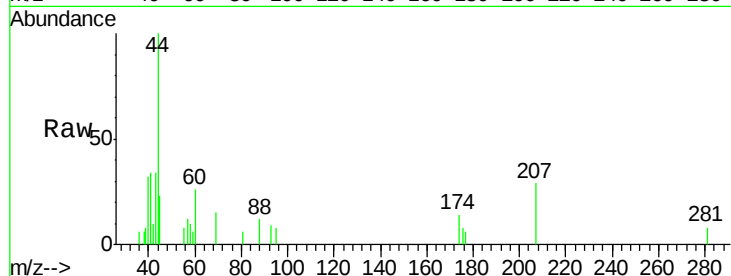




#49
1,4-Dioxane
Concen: 2.43 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

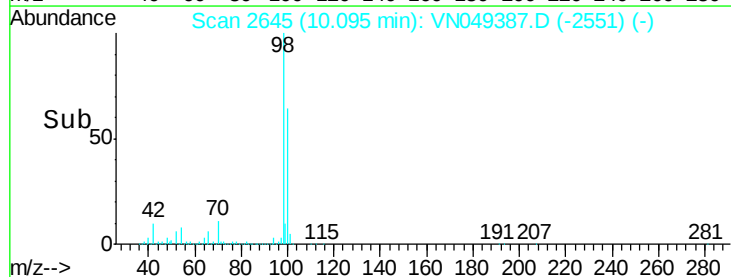
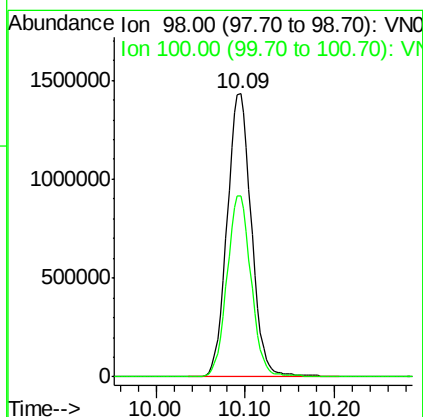
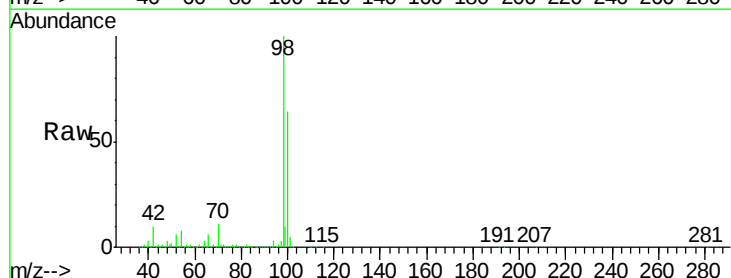
Instrument :
MSVOA_N
ClientSampleId :

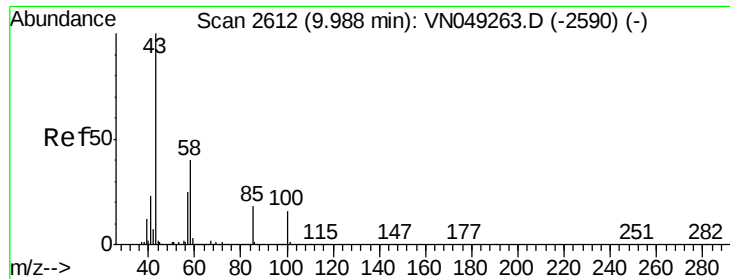
Tot Ion: 88 Resp: 367
Ion Ratio Lower Upper
88 100
43 111.7 30.9 46.3#
58 51.2 58.9 88.3#



#50
Toluene-d8
Concen: 45.05 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

Tgt Ion: 98 Resp: 2704503
Ion Ratio Lower Upper
98 100
100 63.5 49.8 74.8

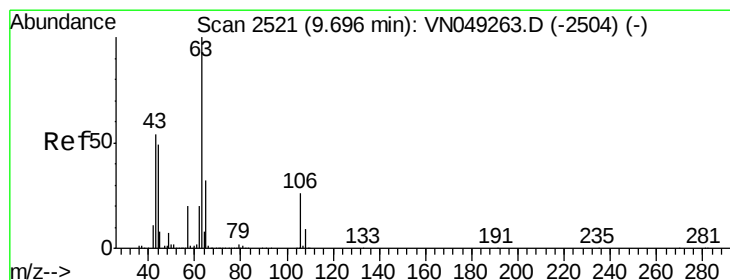
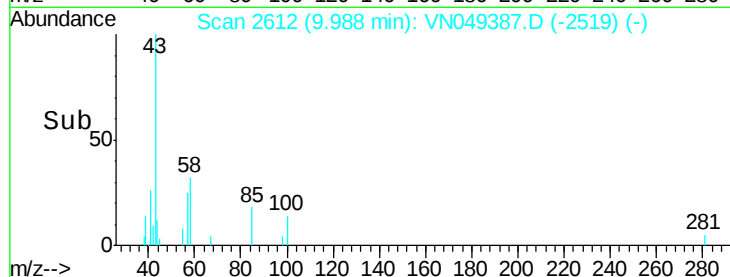
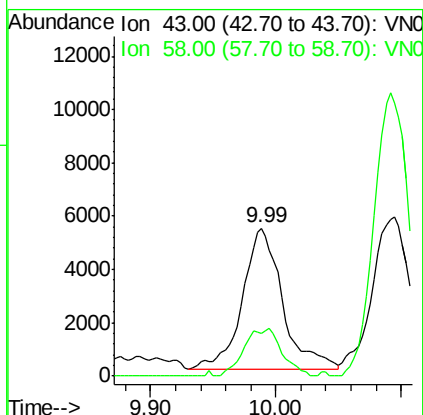
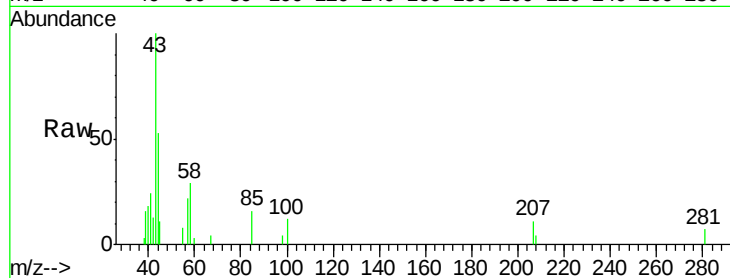




#51
 4-Methyl-2-Pentanone
 Concen: 0.97 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN049387.D
 Acq: 19 Jun 2018 16:03

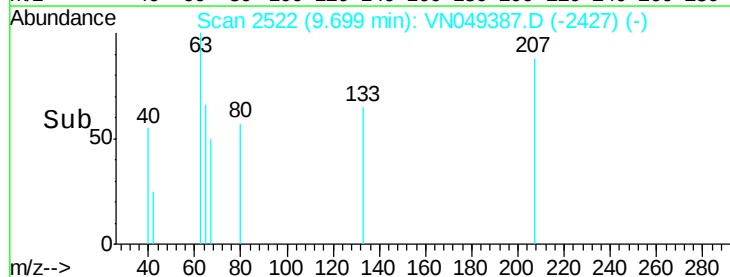
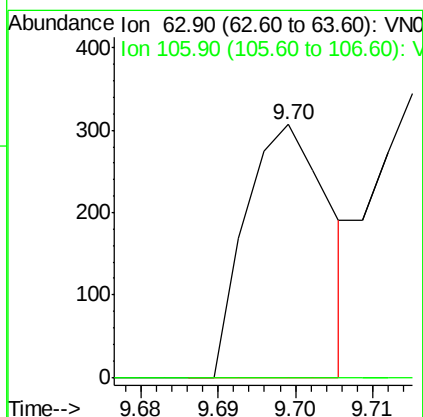
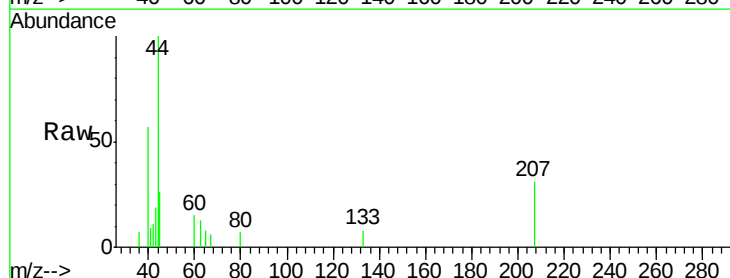
Instrument :
 MSVOA_N
 ClientSampled :

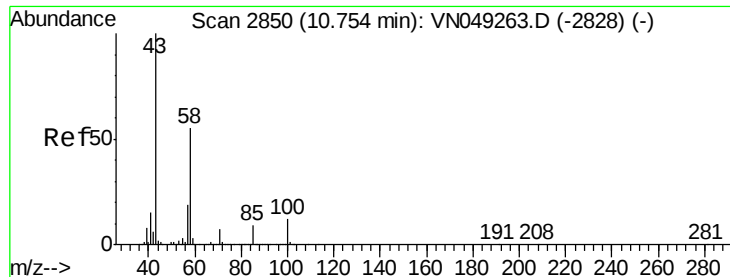
Tot Ion: 43 Resp: 11804
 Ion Ratio Lower Upper
 43 100
 58 31.5 29.0 43.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 14.36 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049387.D
 Acq: 19 Jun 2018 16:03

Tgt Ion: 63 Resp: 230
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#





#59

2-Hexanone

Concen: 1.00 ug/l

RT: 10.76 min Scan# 2852

Delta R.T. 0.01 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

Instrument :

MSVOA_N

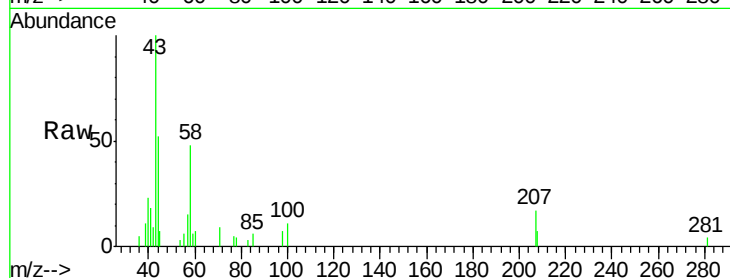
ClientSampled :

Tot Ion: 43 Resp: 7824

Ion Ratio Lower Upper

43 100

58 61.9 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

6000

5000

4000

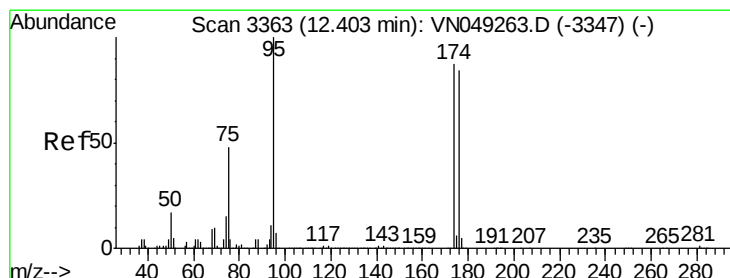
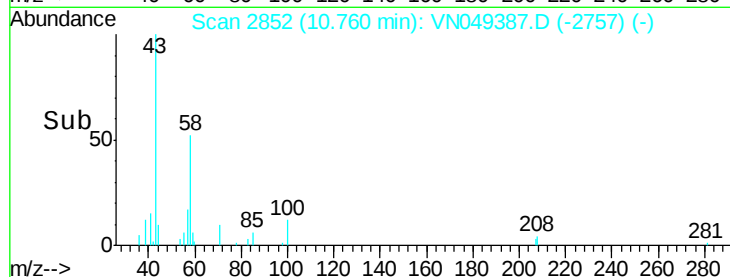
3000

2000

1000

0

Time--> 10.70 10.75 10.80



#62

4-Bromofluorobenzene

Concen: 34.93 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

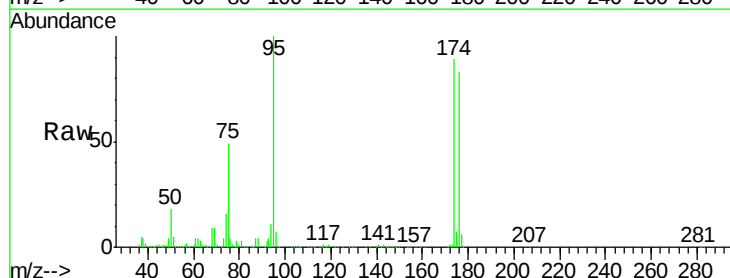
Tgt Ion: 95 Resp: 693391

Ion Ratio Lower Upper

95 100

174 89.0 0.0 165.6

176 84.8 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

500000

400000

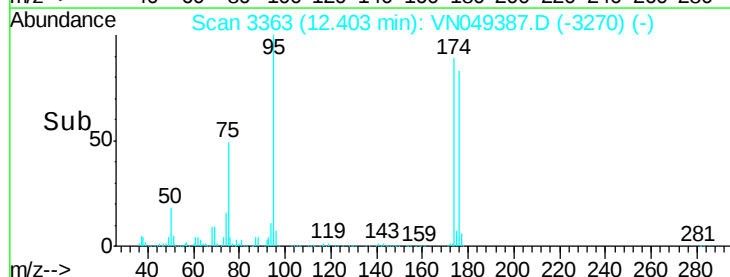
300000

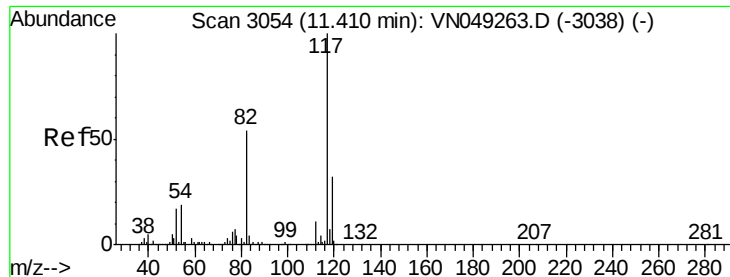
200000

100000

0

Time--> 12.30 12.40 12.50

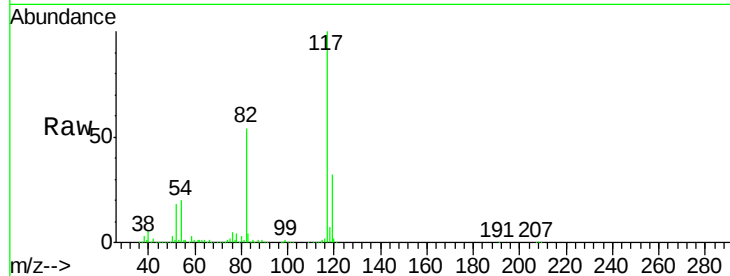




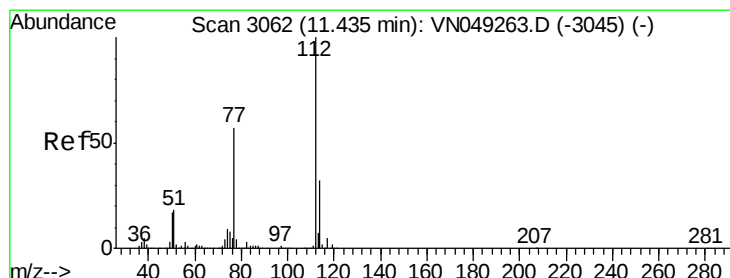
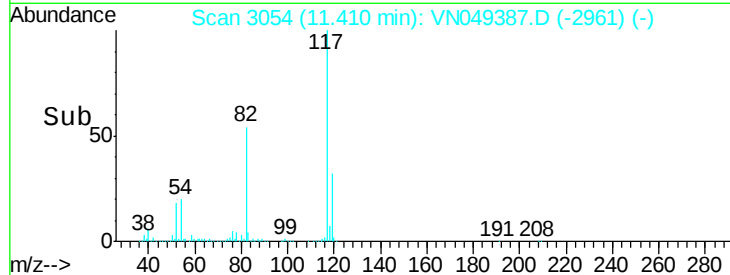
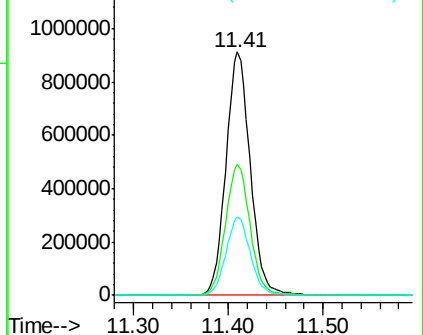
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1628006
Ion Ratio Lower Upper
117 100
82 53.7 45.9 68.9
119 32.1 25.5 38.3

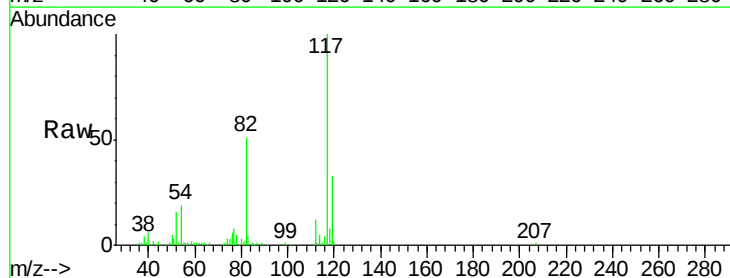


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

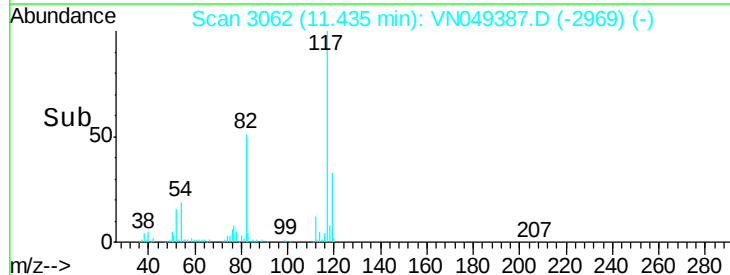
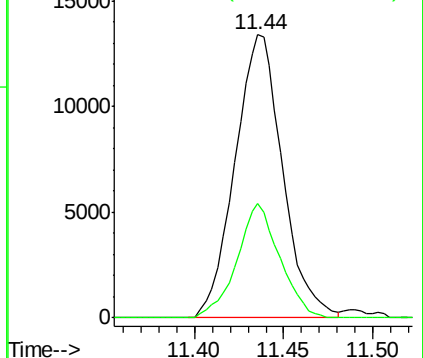


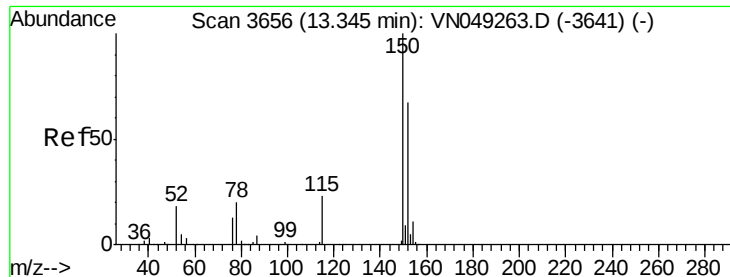
#65
Chlorobenzene
Concen: 0.59 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

Tgt Ion:112 Resp: 24937
Ion Ratio Lower Upper
112 100
114 40.5 26.2 39.4#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



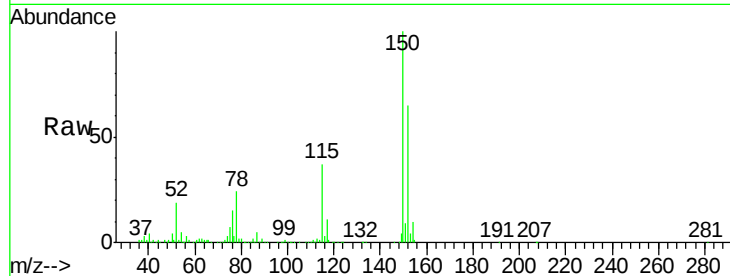


#72

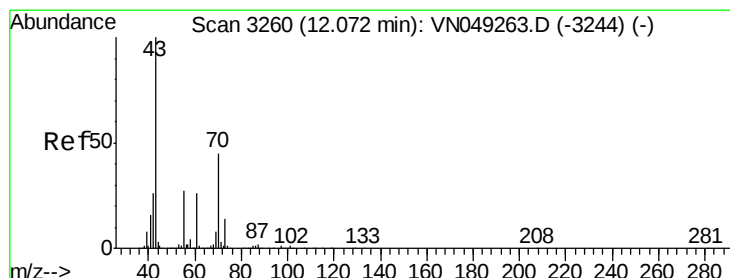
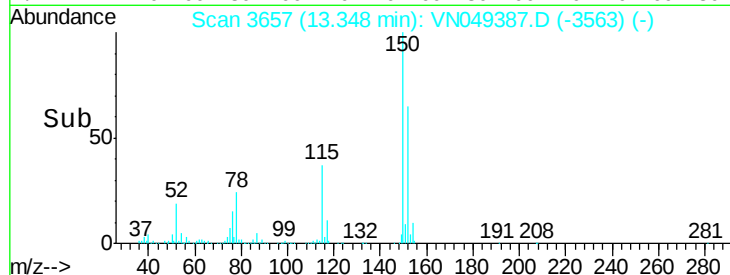
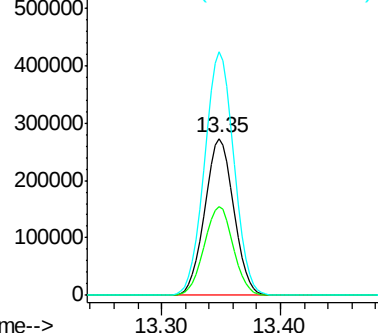
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 460981
Ion Ratio Lower Upper
152 100
115 56.9 28.7 86.1
150 156.9 0.0 351.0



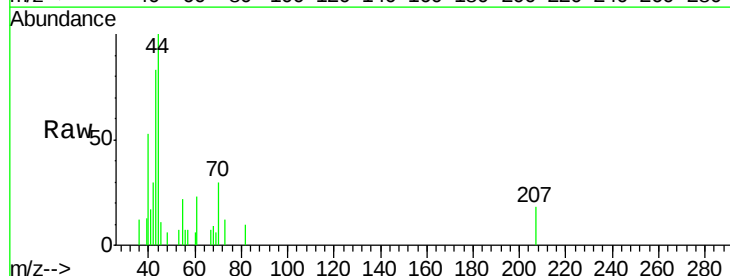
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



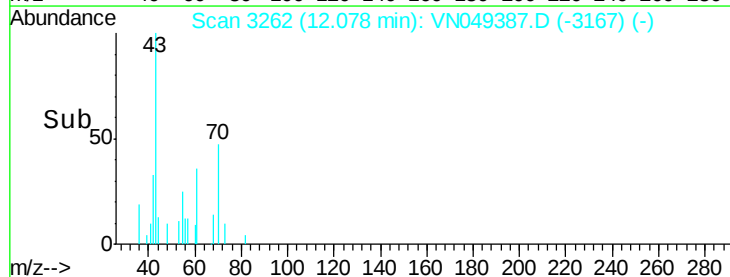
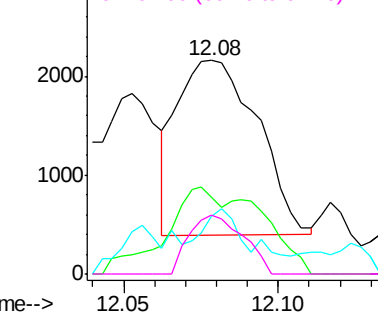
#74

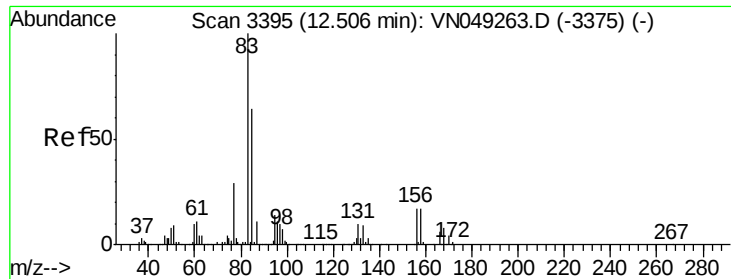
N-aryl acetate
Concen: 0.32 ug/l
RT: 12.08 min Scan# 3262
Delta R.T. 0.01 min
Lab File: VN049387.D
Acq: 19 Jun 2018 16:03

Tgt Ion: 43 Resp: 3207
Ion Ratio Lower Upper
43 100
70 33.9 30.3 45.5
55 24.5 19.4 29.2
61 22.8 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 70.00 (69.70 to 70.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

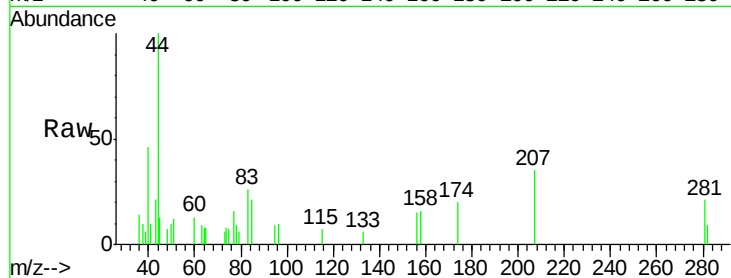
Tot Ion: 83 Resp: 1400

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

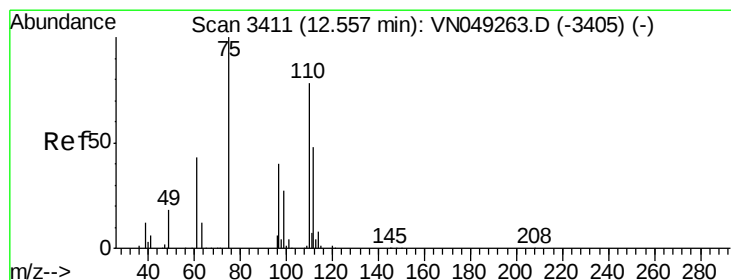
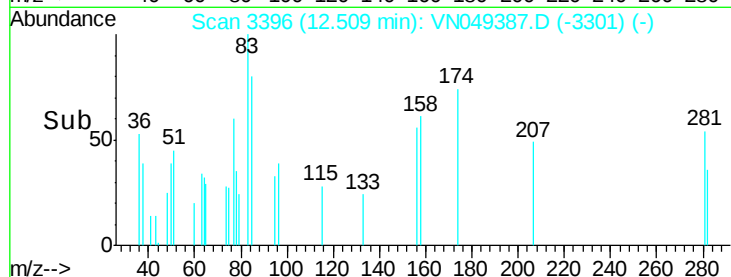
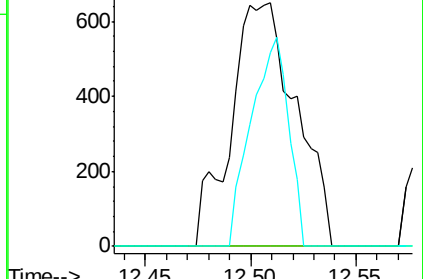
85 49.2 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 42.56 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049387.D

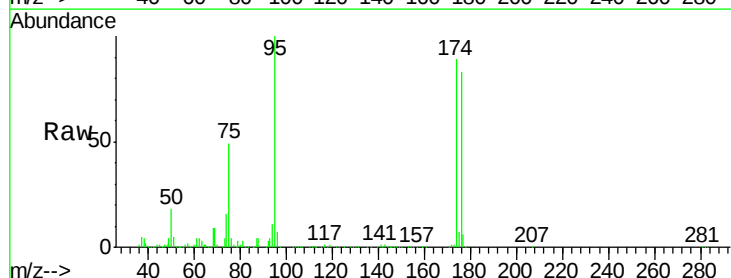
Acq: 19 Jun 2018 16:03

Tgt Ion: 75 Resp: 334734

Ion Ratio Lower Upper

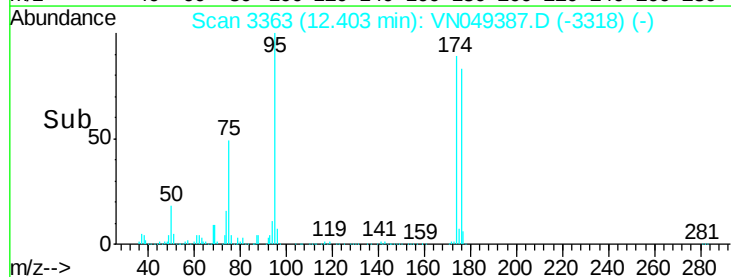
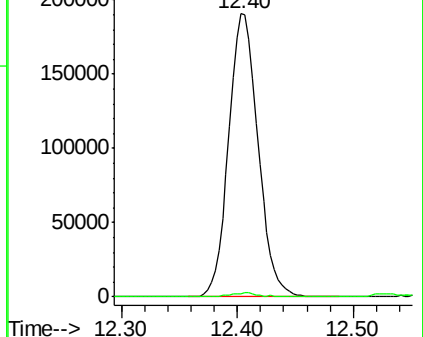
75 100

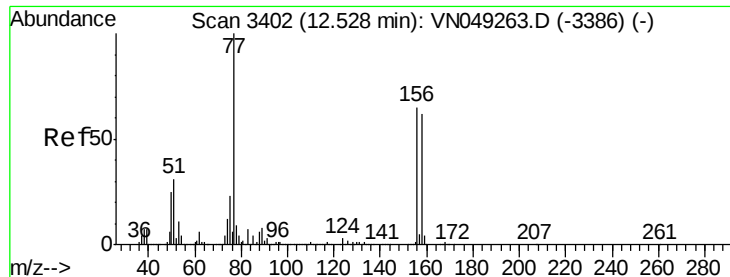
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 0.20 ug/l

RT: 12.53 min Scan# 3404

Delta R.T. 0.01 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

Instrument :

MSVOA_N

ClientSampled :

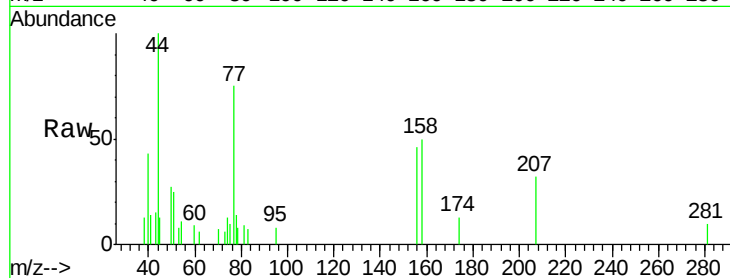
Tot Ion:156 Resp: 2176

Ion Ratio Lower Upper

156 100

77 226.7 100.8 302.4

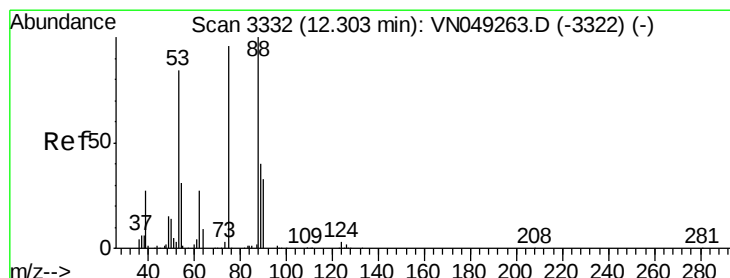
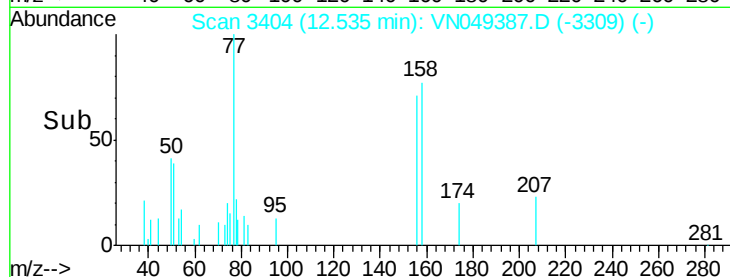
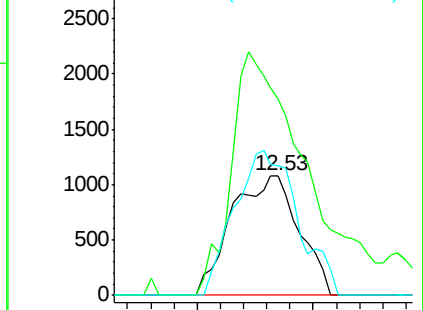
158 114.4 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 134.50 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

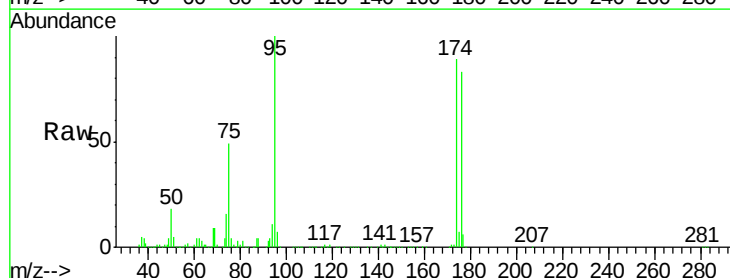
Tgt Ion: 75 Resp: 334734

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

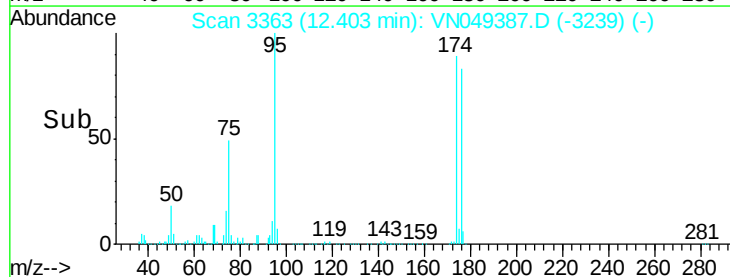
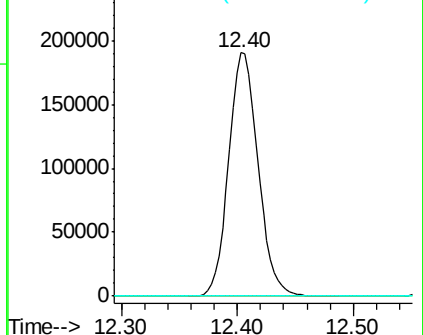
89 0.0 36.5 54.7#

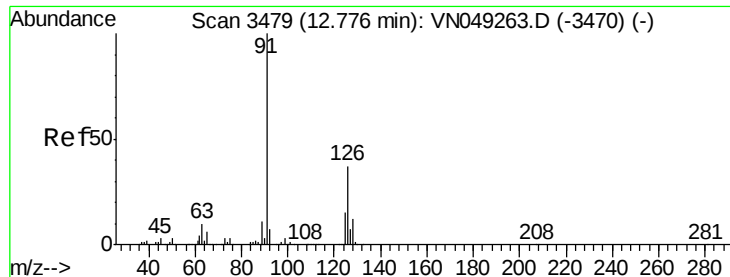


Abundance Ion 74.90 (74.60 to 75.60): VNO

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# 3479

Delta R.T. 0.00 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

Instrument :

MSVOA_N

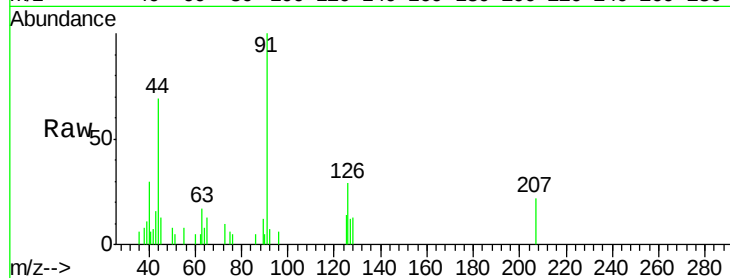
ClientSampleId :

Tot Ion: 91 Resp: 7321

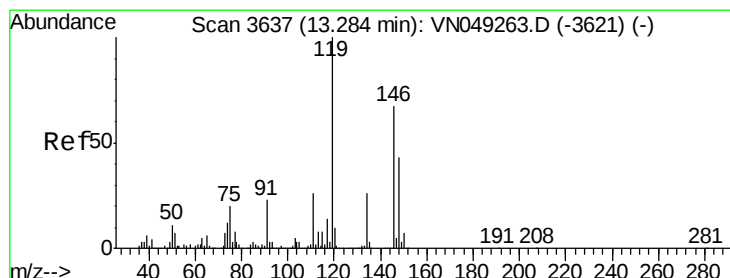
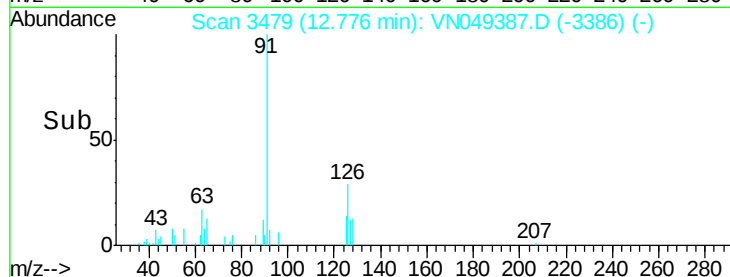
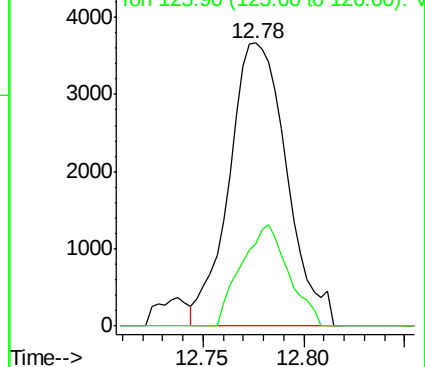
Ion Ratio Lower Upper

91 100

126 29.5 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3470) (-)



#87

1,3-Dichlorobenzene

Concen: 0.31 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

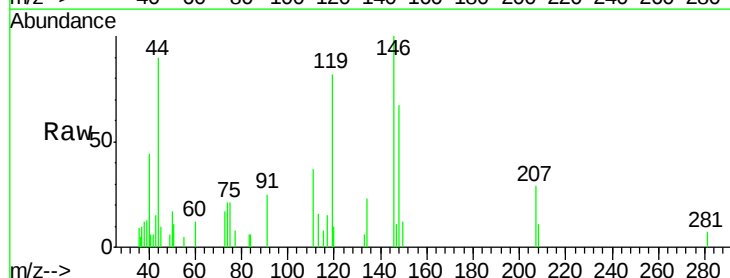
Tgt Ion: 146 Resp: 5382

Ion Ratio Lower Upper

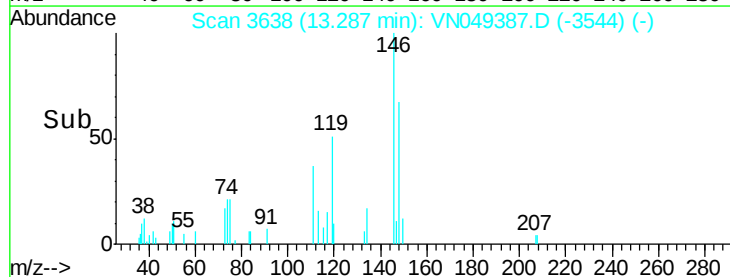
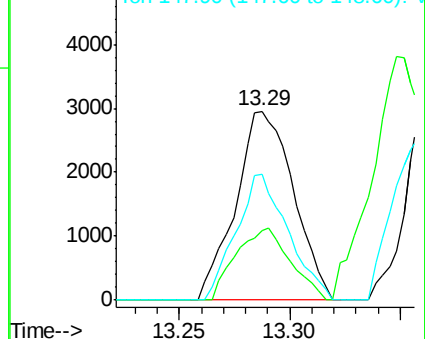
146 100

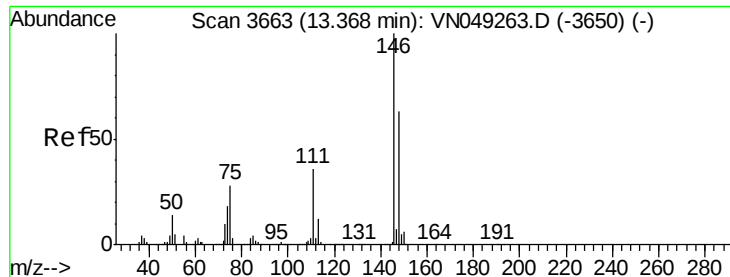
111 35.9 19.9 59.6

148 59.9 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): VN049263.D (-3621) (-)

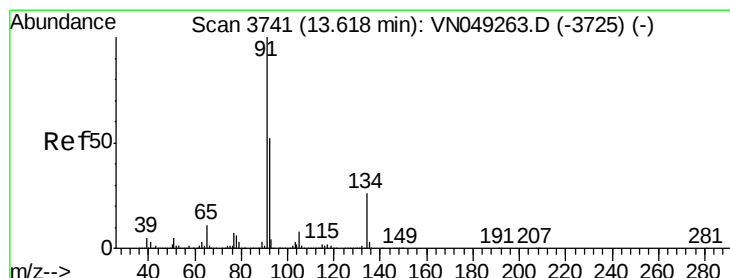
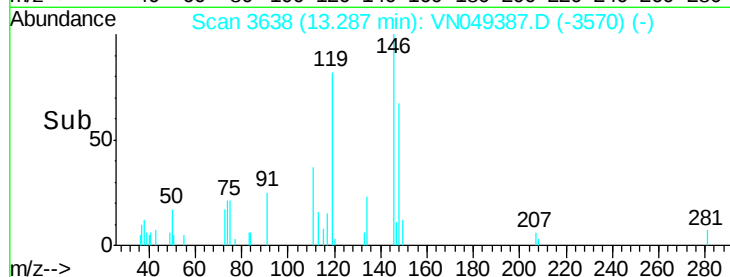
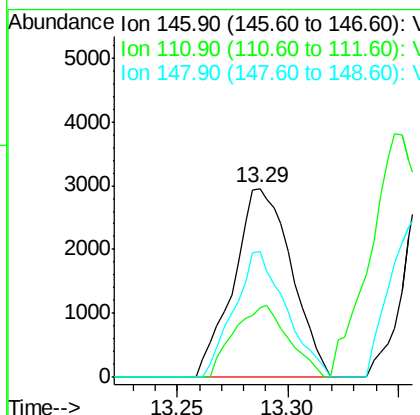
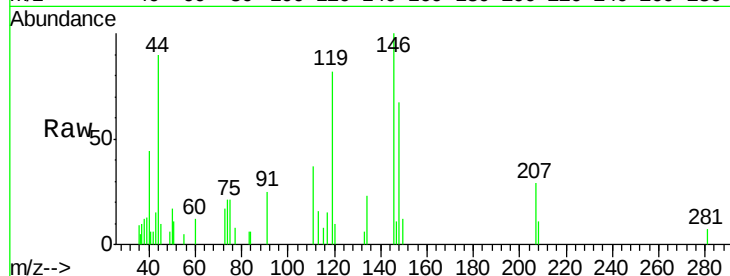




#88
 1,4-Dichlorobenzene
 Concen: 0.31 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.08 min
 Lab File: VN049387.D
 Acq: 19 Jun 2018 16:03

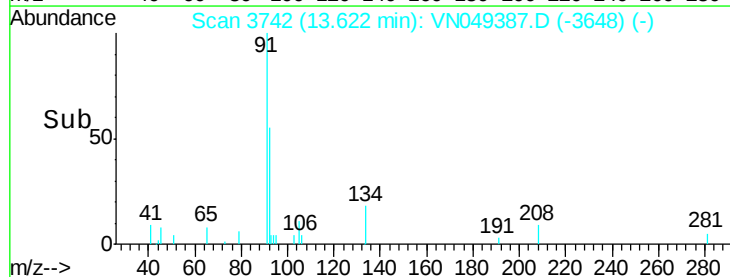
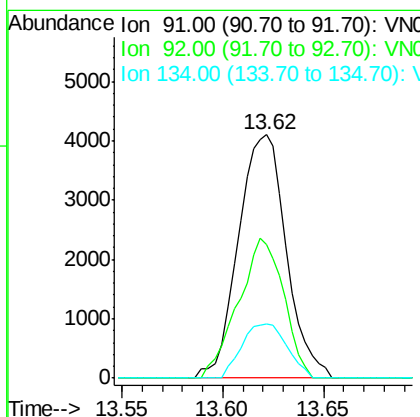
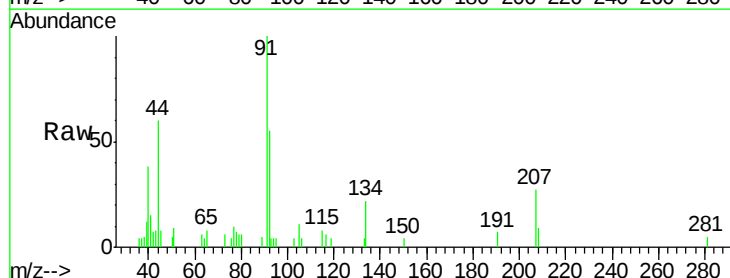
Instrument :
 MSVOA_N
 ClientSampleId :

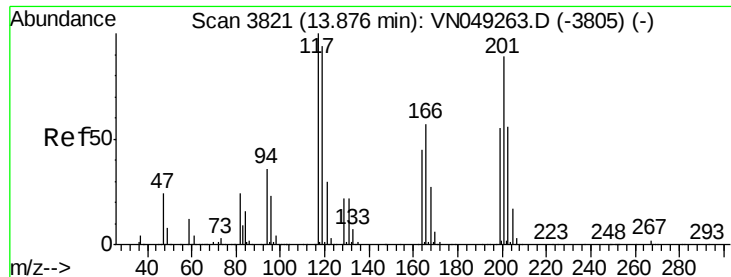
Tot Ion:146 Resp: 5382
 Ion Ratio Lower Upper
 146 100
 111 35.9 19.1 57.1
 148 59.9 32.0 96.2



#89
 n-Butylbenzene
 Concen: 0.28 ug/l
 RT: 13.62 min Scan# 3742
 Delta R.T. 0.00 min
 Lab File: VN049387.D
 Acq: 19 Jun 2018 16:03

Tgt Ion: 91 Resp: 6817
 Ion Ratio Lower Upper
 91 100
 92 54.3 25.1 75.4
 134 21.1 12.0 36.0





#90

Hexachloroethane

Concen: Below Cal

RT: 13.85 min Scan# 3814

Delta R.T. -0.02 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

Instrument :

MSVOA_N

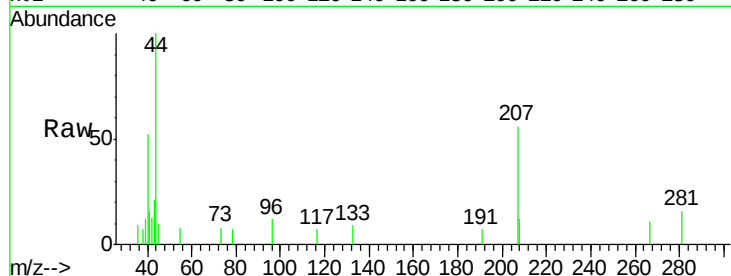
ClientSampleId :

Tot Ion:117 Resp: 31

Ion Ratio Lower Upper

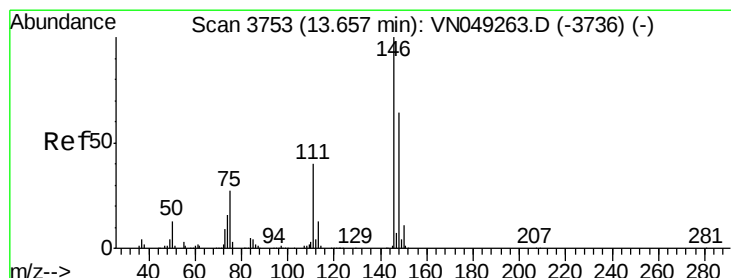
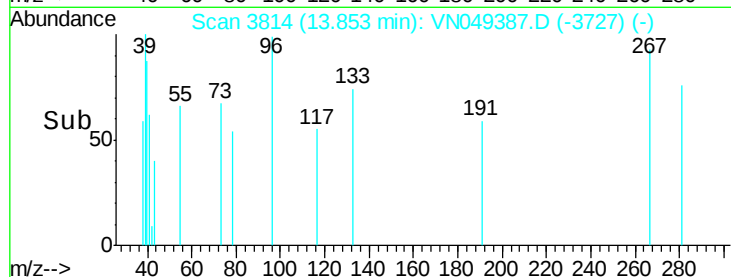
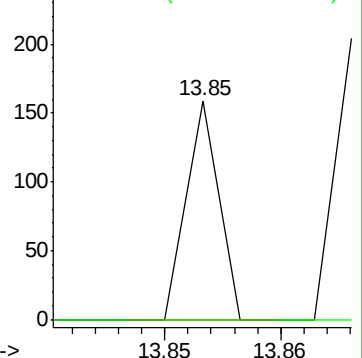
117 100

201 109.7 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.31 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

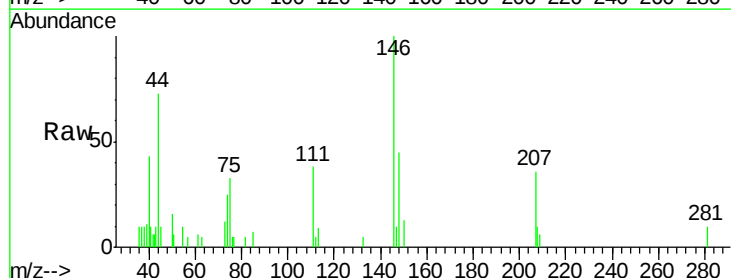
Tgt Ion:146 Resp: 5308

Ion Ratio Lower Upper

146 100

111 38.5 20.8 62.2

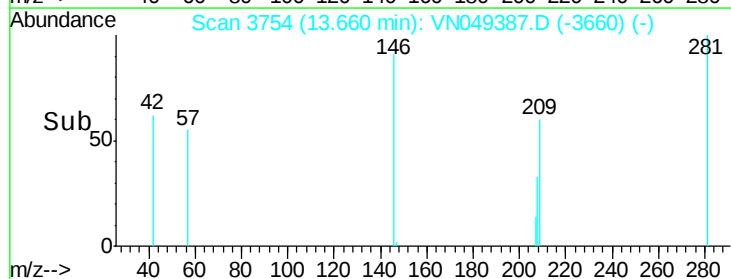
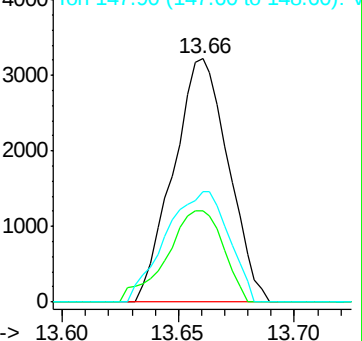
148 51.8 32.0 96.2

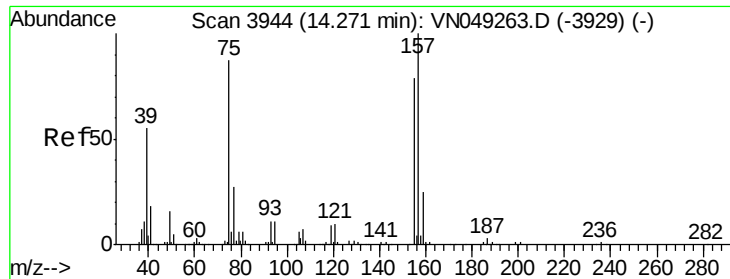


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

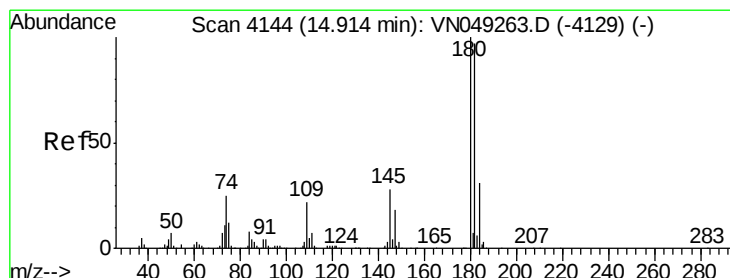
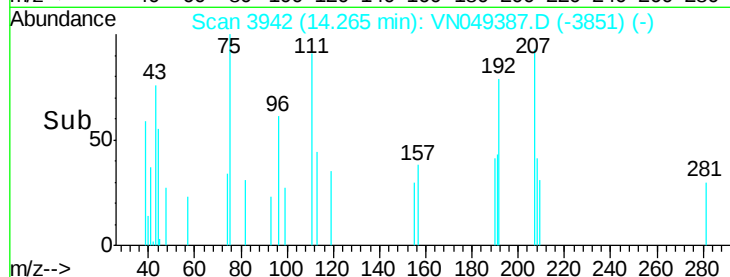
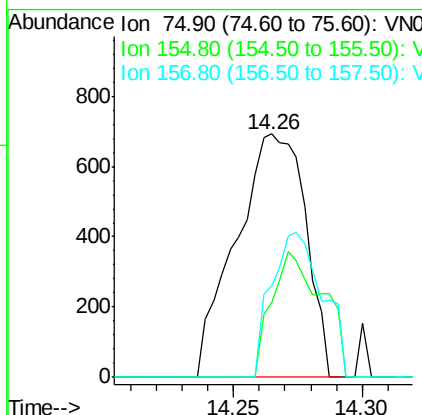
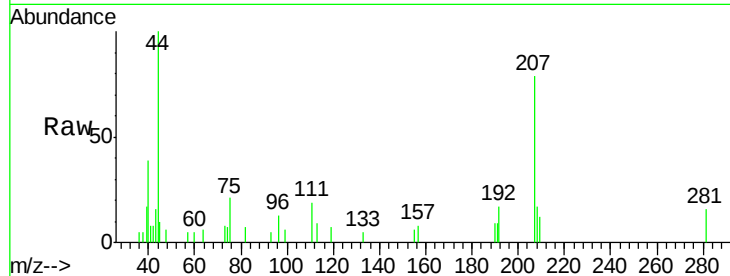




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.92 ug/l
 RT: 14.26 min Scan# 3942
 Delta R.T. -0.01 min
 Lab File: VN049387.D
 Acq: 19 Jun 2018 16:03

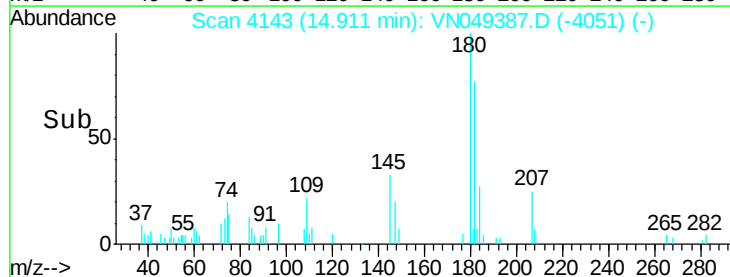
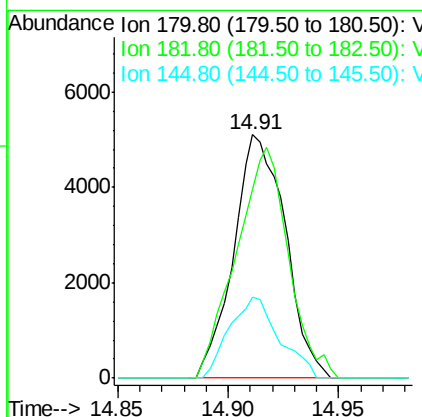
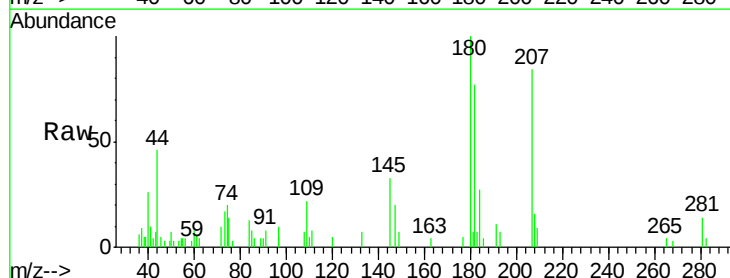
Instrument :
 MSVOA_N
 ClientSampled :

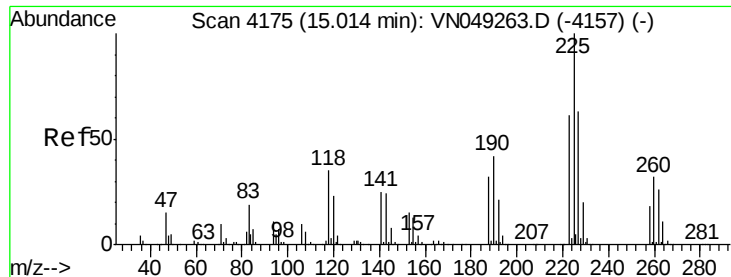
Tot Ion: 75 Resp: 1300
 Ion Ratio Lower Upper
 75 100
 155 37.6 38.8 116.3#
 157 43.8 51.0 153.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 5.69 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049387.D
 Acq: 19 Jun 2018 16:03

Tgt Ion: 180 Resp: 8311
 Ion Ratio Lower Upper
 180 100
 182 95.7 46.9 140.8
 145 32.0 14.7 44.1





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4176

Delta R.T. 0.00 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

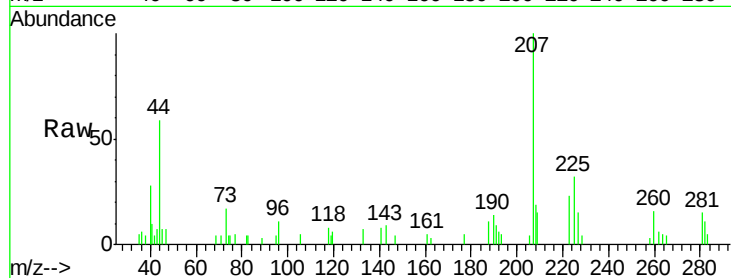
Tot Ion:225 Resp: 2141

Ion Ratio Lower Upper

225 100

223 68.3 32.1 96.3

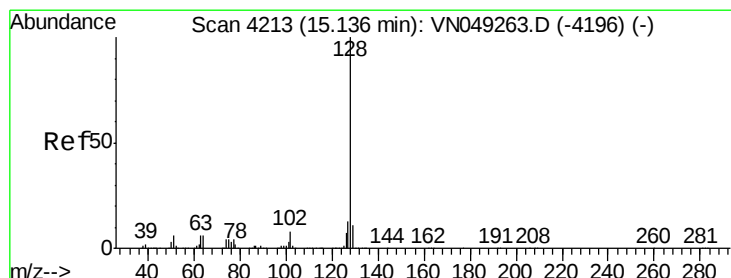
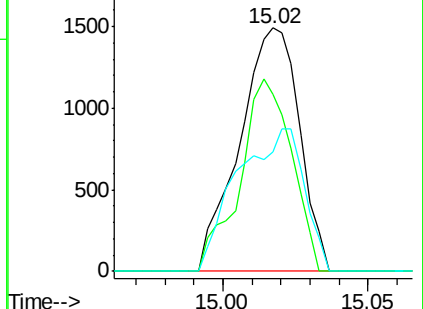
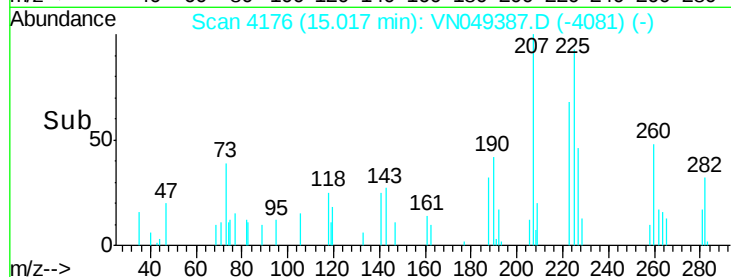
227 65.5 31.8 95.3



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: 3.58 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049387.D

Acq: 19 Jun 2018 16:03

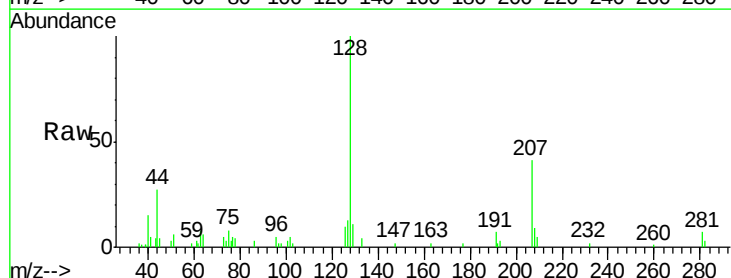
Tgt Ion:128 Resp: 19264

Ion Ratio Lower Upper

128 100

127 12.6 10.6 16.0

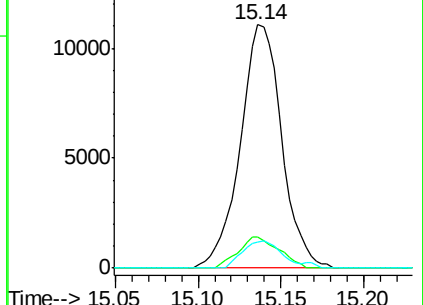
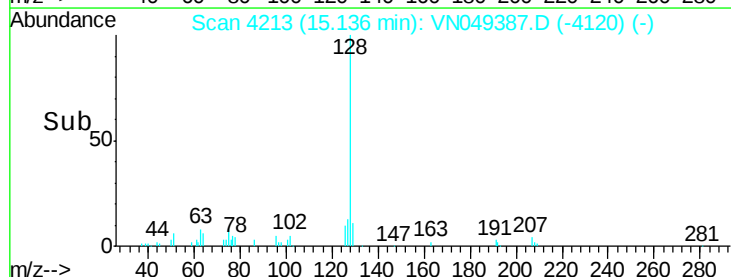
129 10.3 8.5 12.7

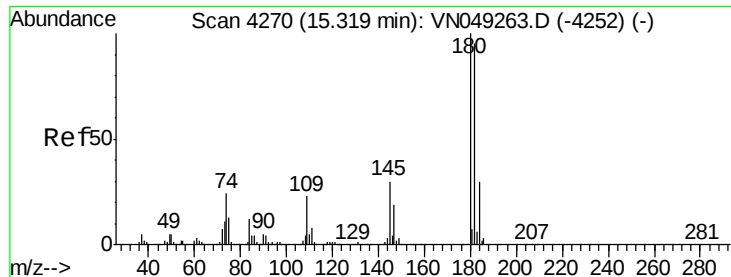


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

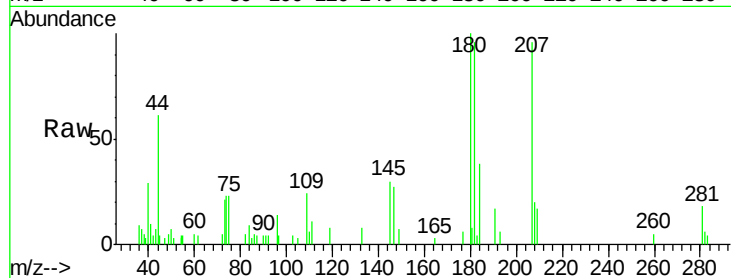




#96
 1,2,3-Trichlorobenzene
 Concen: 4.55 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN049387.D
 Acq: 19 Jun 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.3	141.8
145	27.7	15.6	46.7



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

