

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062218\
 Data File : VN049498.D
 Acq On : 22 Jun 2018 18:06
 Operator : MD\SY
 Sample : PB116445ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 22 22:16:16 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	1160345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1787136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1514382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	379983	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	786647	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
35) Dibromofluoromethane	7.59	113	680696	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
50) Toluene-d8	10.09	98	2507947	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	
62) 4-Bromofluorobenzene	12.41	95	599879	32.95	ug/l	0.00
Spiked Amount			Recovery	=	65.90%	

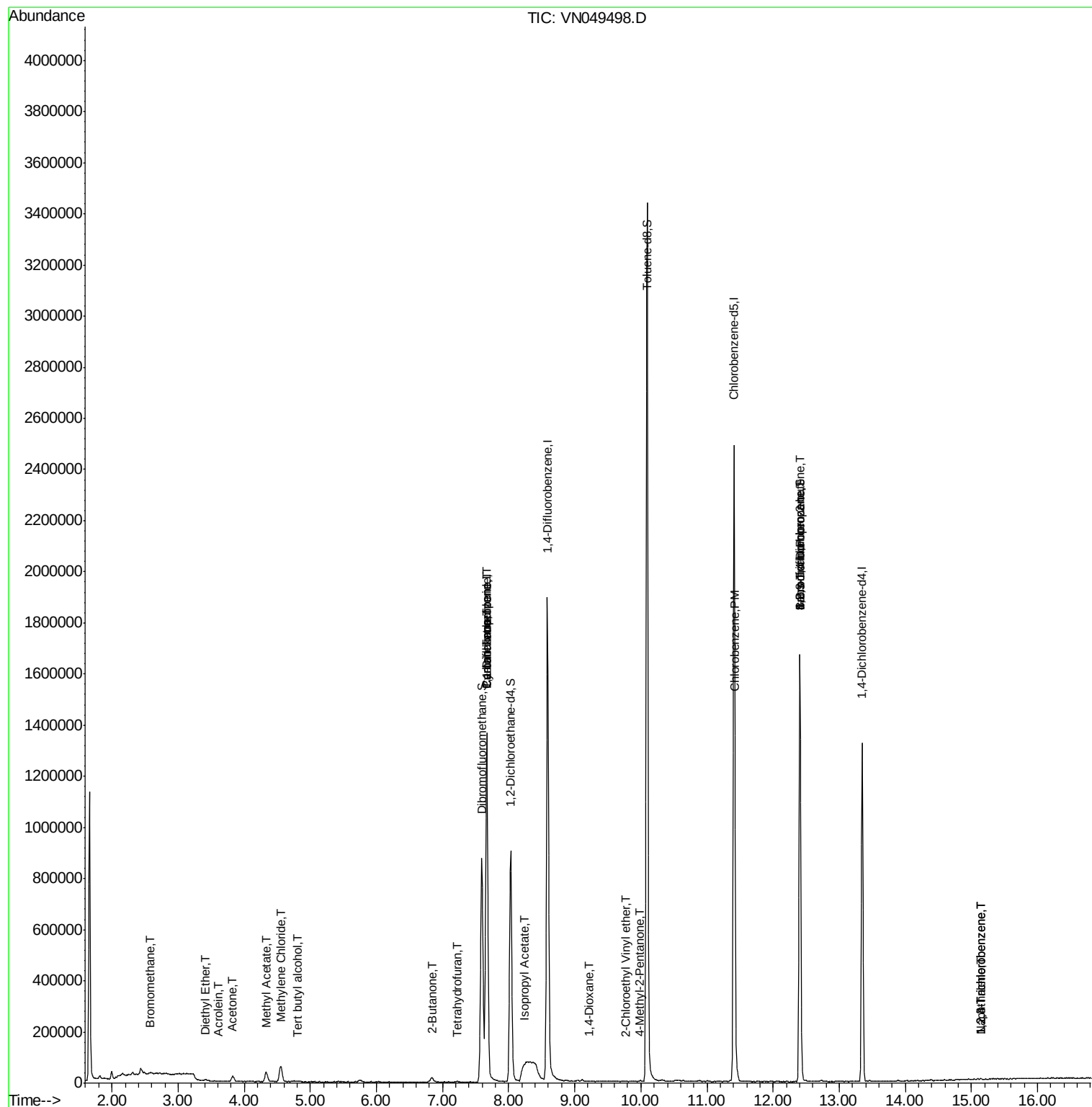
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	4288	0.45	ug/l #	81
8) Diethyl Ether	3.41	74	2004	0.25	ug/l	63
11) Tert butyl alcohol	4.80	59	223	0.25	ug/l #	70
13) Acrolein	3.62	56	685	0.72	ug/l	91
16) Acetone	3.82	43	34826	9.32	ug/l	98
18) Methyl Acetate	4.33	43	75739	6.65	ug/l	94
20) Methylene Chloride	4.56	84	48260	3.09	ug/l	89
25) 2-Butanone	6.84	43	1937	0.39	ug/l #	78
29) Tetrahydrofuran	7.21	42	741	0.23	ug/l	90
31) Cyclohexane	7.66	56	20331	0.72	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	81901	4.00	ug/l #	50
38) Carbon Tetrachloride	7.67	117	102672	4.84	ug/l #	17
43) Isopropyl Acetate	8.23	43	68985	3.24	ug/l #	64
49) 1,4-Dioxane	9.22	88	67	0.48	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	3955	0.35	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.77	63	30	14.33	ug/l #	51
65) Chlorobenzene	11.43	112	14115	0.36	ug/l	100
71) Bromoform	12.40	173	4647	0.49	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	148	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.41	75	291829	45.01	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	291829	142.26	ug/l #	8
90) Hexachloroethane	13.62	117	71	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	15.14	180	33	4.75	ug/l #	13
95) Naphthalene	15.14	128	383	2.12	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.14	180	33	3.46	ug/l #	13

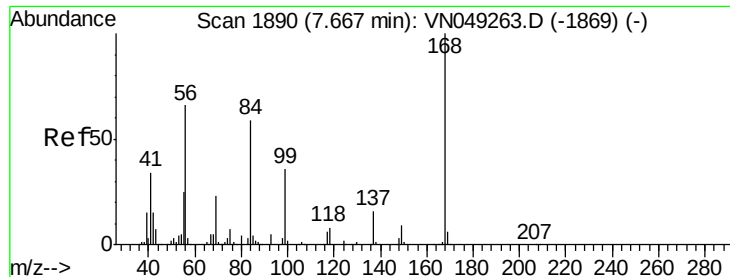
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062218\
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 22 22:16:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049498.D

Acq: 22 Jun 2018 18:06

Instrument :

MSVOA_N

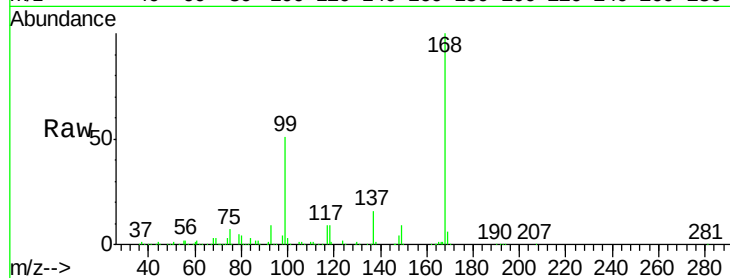
ClientSampleId :

Tot Ion:168 Resp: 1160345

Ion Ratio Lower Upper

168 100

99 51.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049498.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN049498.D (-1797) (-)

7.67

500000

400000

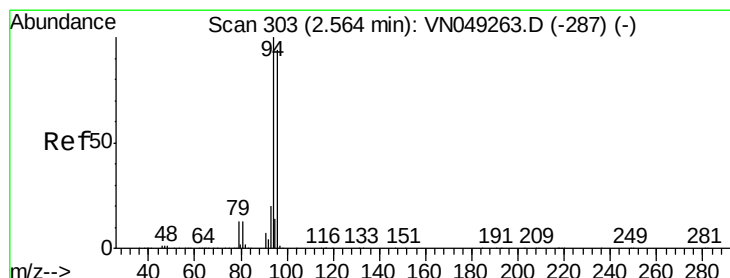
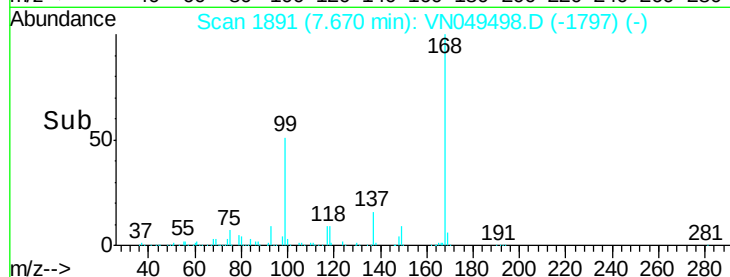
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.45 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049498.D

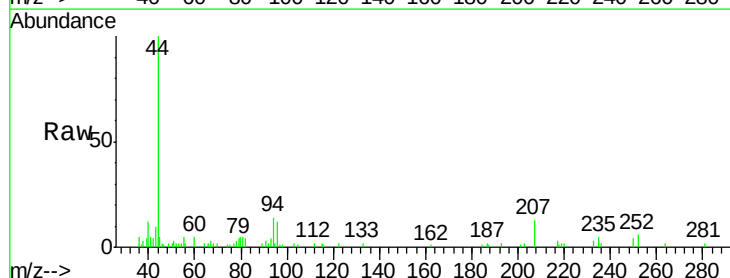
Acq: 22 Jun 2018 18:06

Tgt Ion: 94 Resp: 4288

Ion Ratio Lower Upper

94 100

96 72.6 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VN049498.D (-210) (-)

Ion 95.90 (95.60 to 96.60): VN049498.D (-210) (-)

2.57

2000

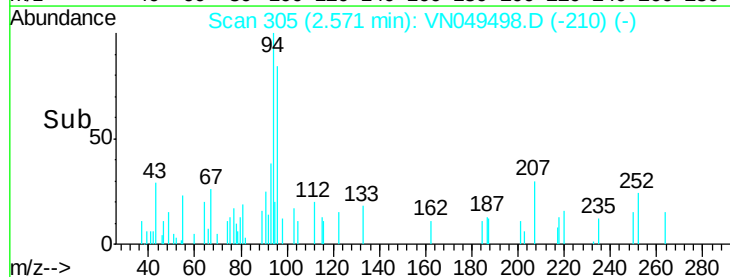
1500

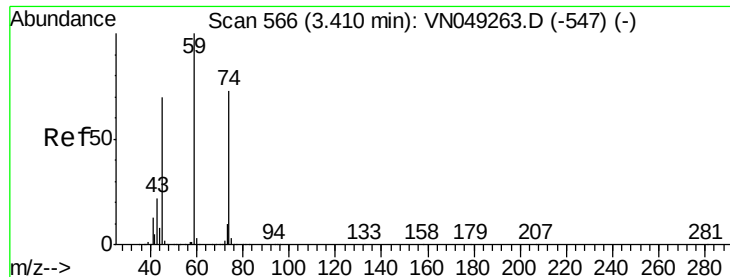
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.25 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049498.D

Acq: 22 Jun 2018 18:06

Instrument :

MSVOA_N

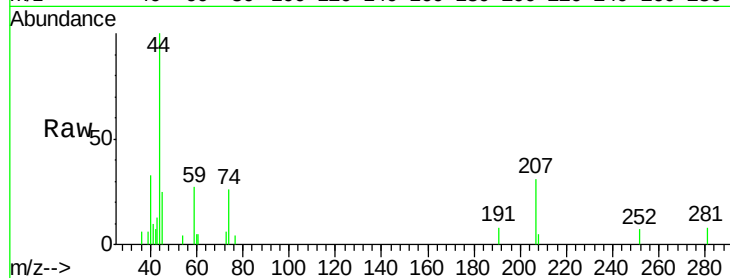
ClientSampled :

Tot Ion: 74 Resp: 2004

Ion Ratio Lower Upper

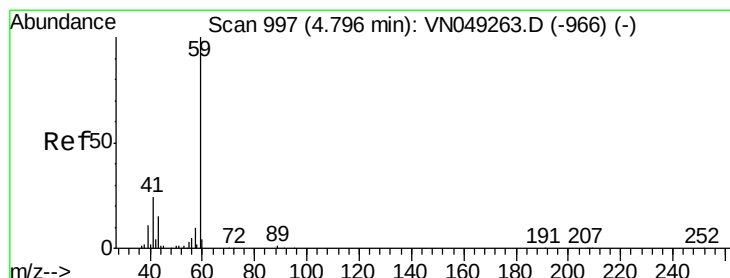
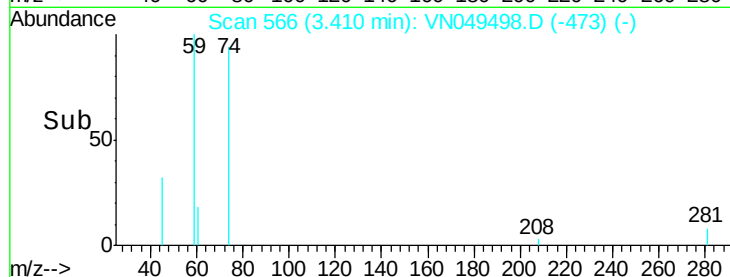
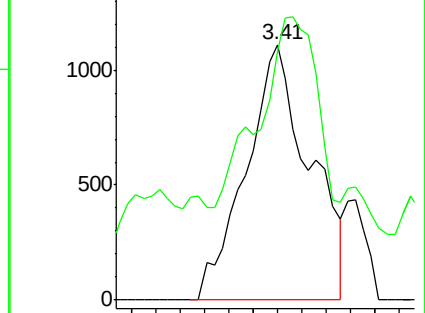
74 100

45 66.2 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#11

Tert butyl alcohol

Concen: 0.25 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.01 min

Lab File: VN049498.D

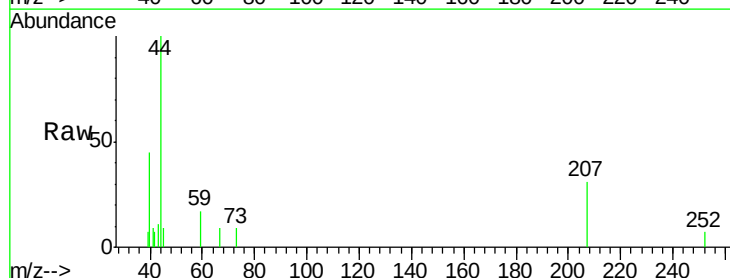
Acq: 22 Jun 2018 18:06

Tgt Ion: 59 Resp: 223

Ion Ratio Lower Upper

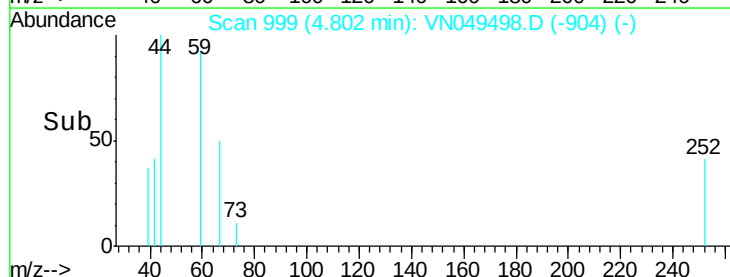
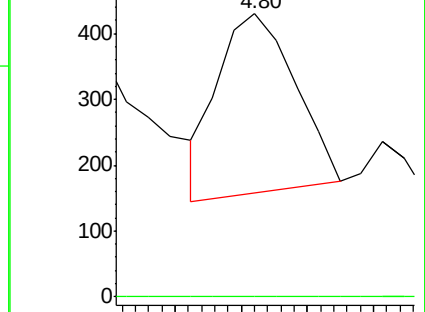
59 100

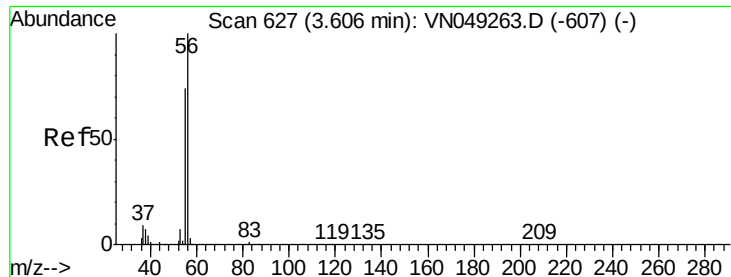
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.72 ug/l

RT: 3.62 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN049498.D

Acq: 22 Jun 2018 18:06

Instrument :

MSVOA_N

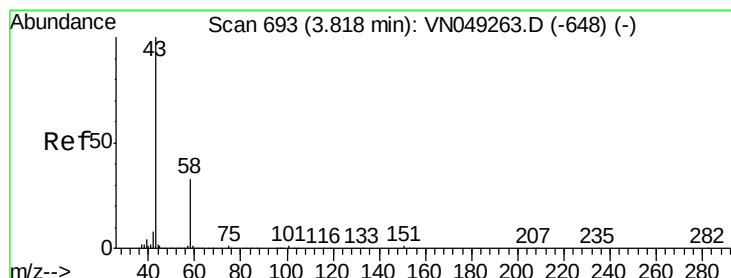
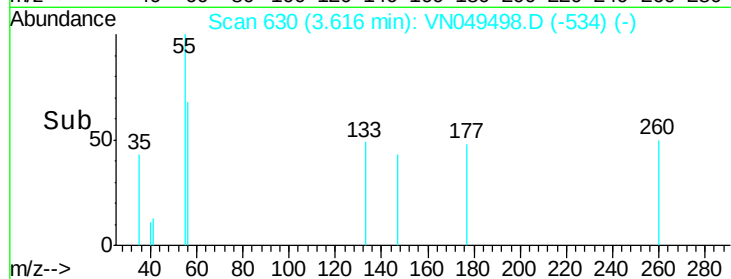
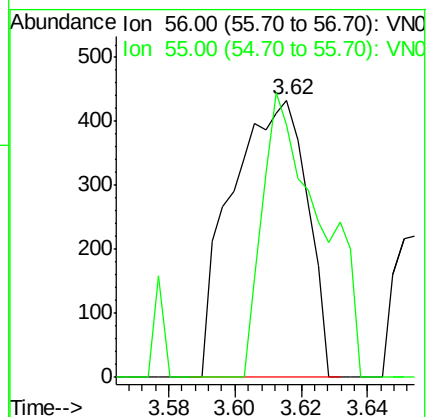
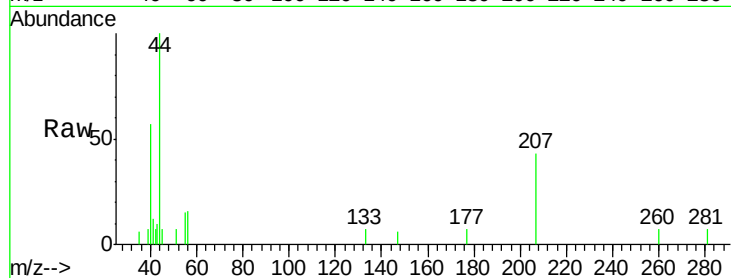
ClientSampled :

Tot Ion: 56 Resp: 685

Ion Ratio Lower Upper

56 100

55 79.0 57.1 85.7



#16

Acetone

Concen: 9.32 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049498.D

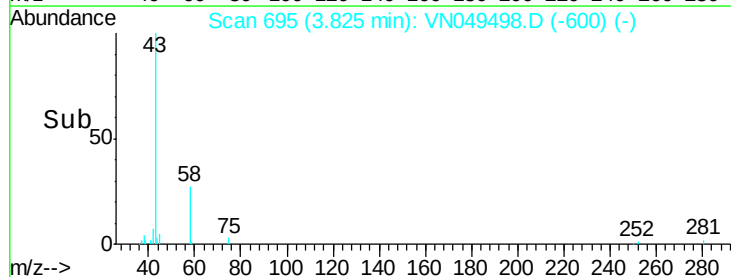
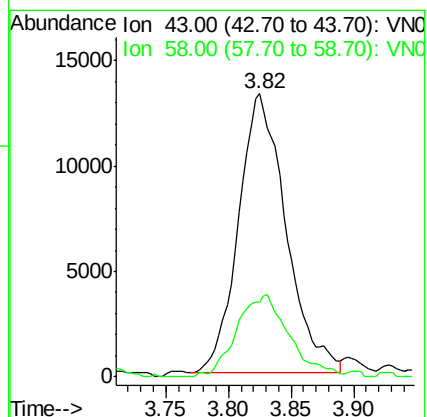
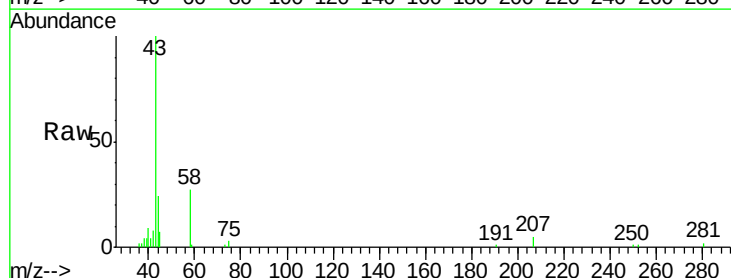
Acq: 22 Jun 2018 18:06

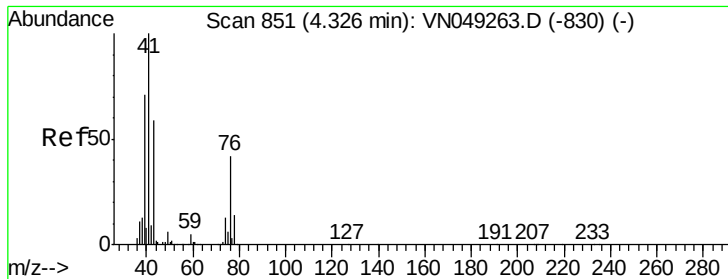
Tgt Ion: 43 Resp: 34826

Ion Ratio Lower Upper

43 100

58 27.0 22.4 33.6

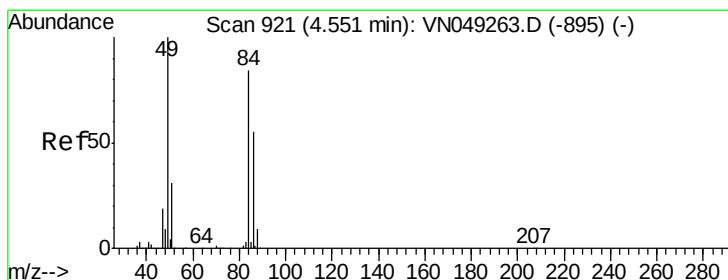
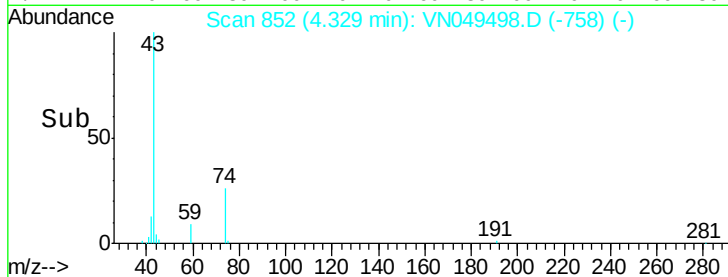
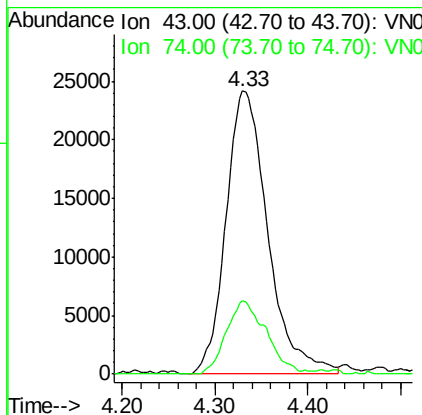
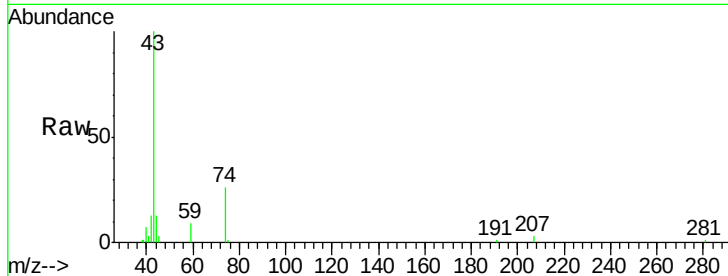




#18
Methvl Acetate
Concen: 6.65 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049498.D
Acq: 22 Jun 2018 18:06

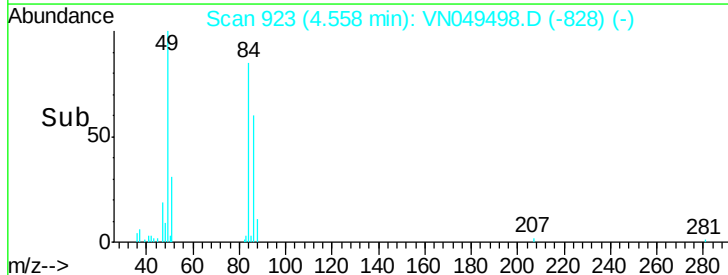
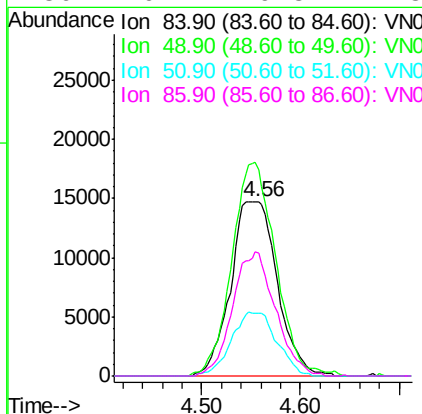
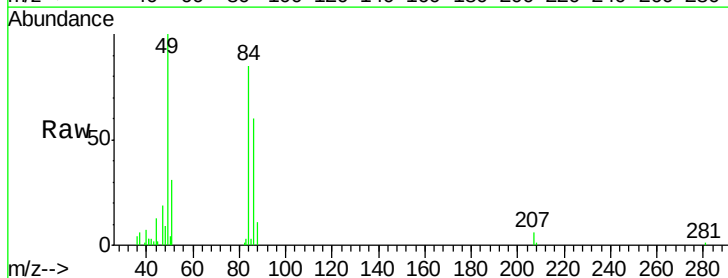
Instrument :
MSVOA_N
ClientSampled :

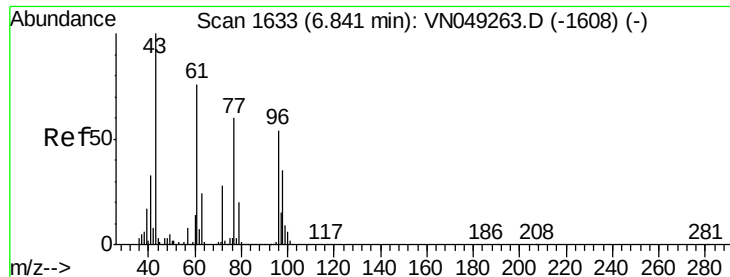
Tot Ion: 43 Resp: 75739
Ion Ratio Lower Upper
43 100
74 24.7 17.4 26.0



#20
Methylene Chloride
Concen: 3.09 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN049498.D
Acq: 22 Jun 2018 18:06

Tgt Ion: 84 Resp: 48260
Ion Ratio Lower Upper
84 100
49 118.1 106.9 160.3
51 36.3 32.7 49.1
86 70.4 49.8 74.8





#25

2-Butanone

Concen: 0.39 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN049498.D

Acq: 22 Jun 2018 18:06

Instrument :

MSVOA_N

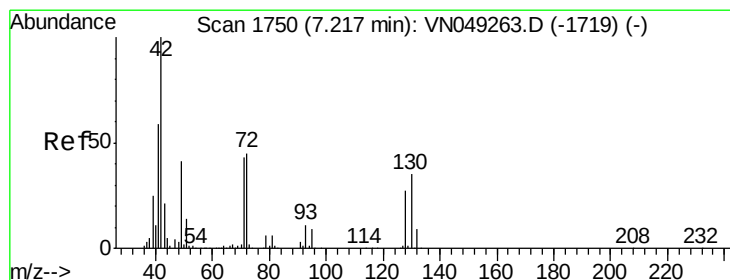
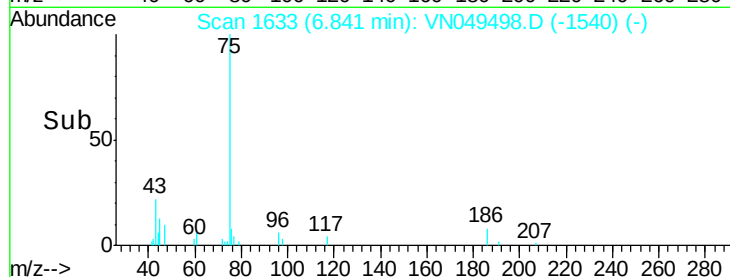
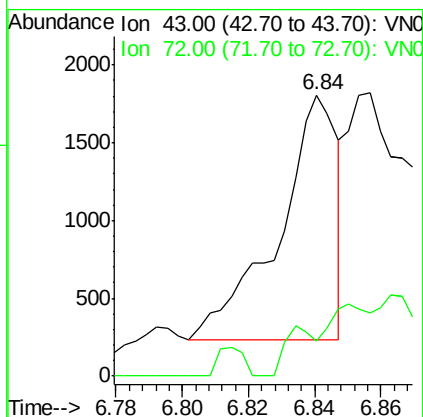
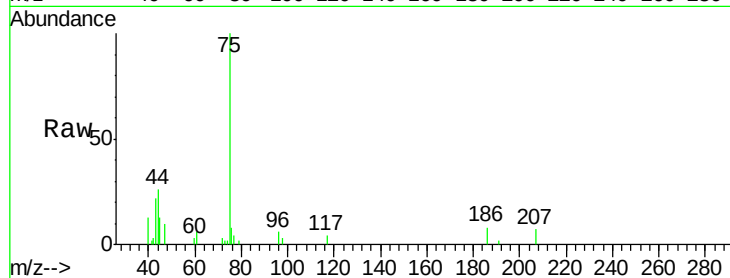
ClientSampled :

Tot Ion: 43 Resp: 1937

Ion Ratio Lower Upper

43 100

72 14.2 20.2 30.2#



#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049498.D

Acq: 22 Jun 2018 18:06

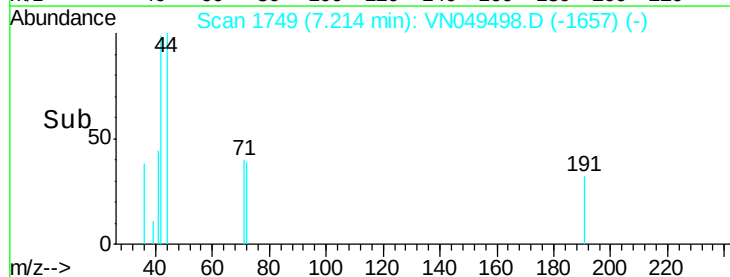
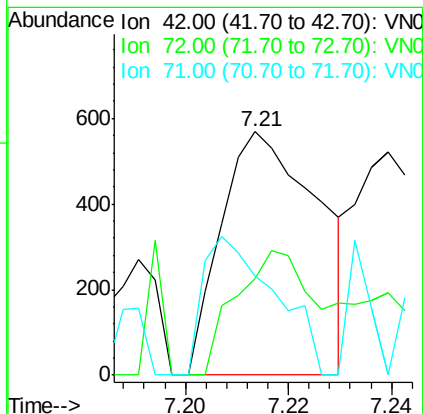
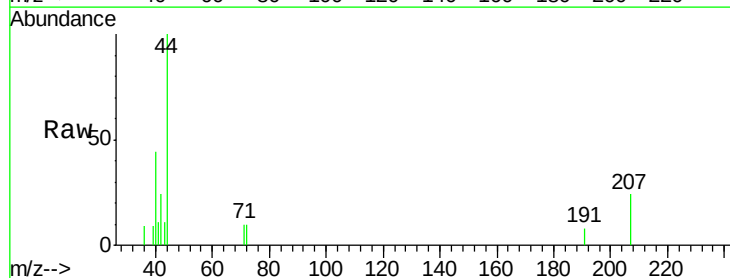
Tgt Ion: 42 Resp: 741

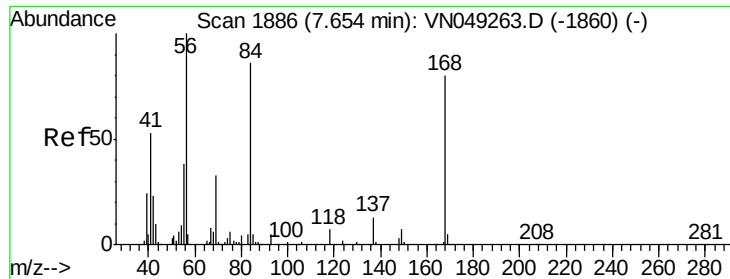
Ion Ratio Lower Upper

42 100

72 47.8 32.2 48.4

71 42.4 30.5 45.7

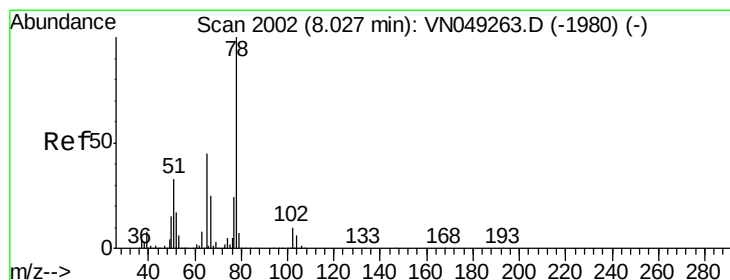
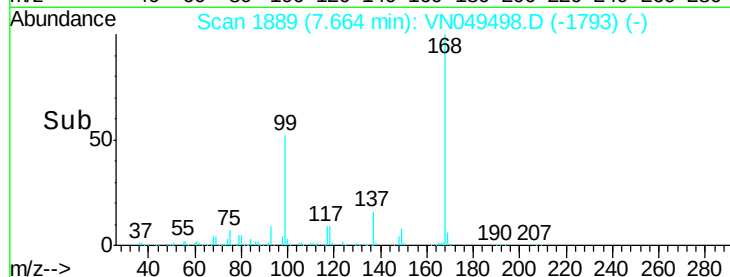
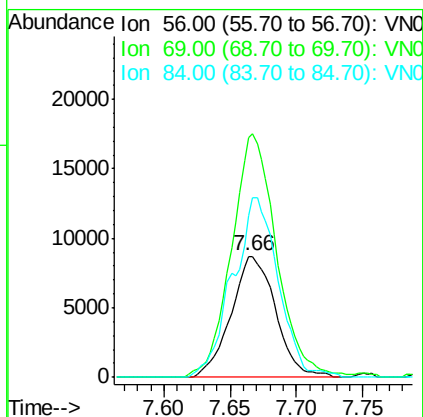
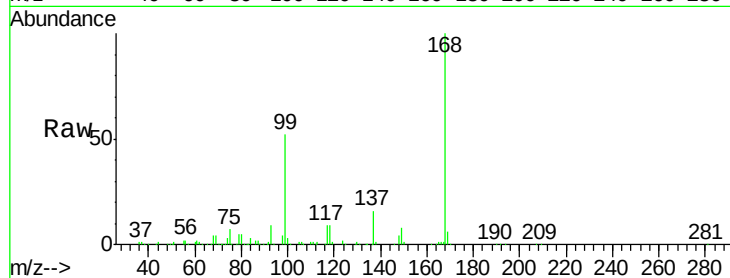




#31
Cyclohexane
Concen: 0.72 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049498.D
Acq: 22 Jun 2018 18:06

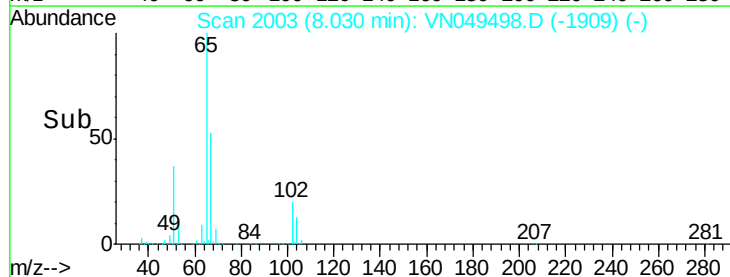
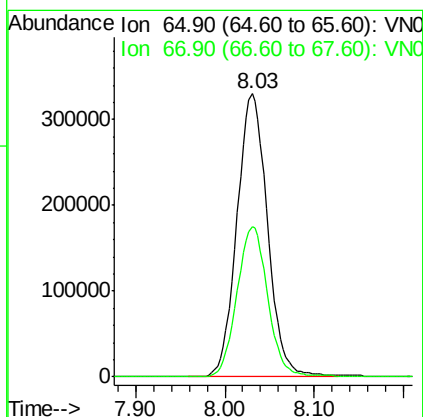
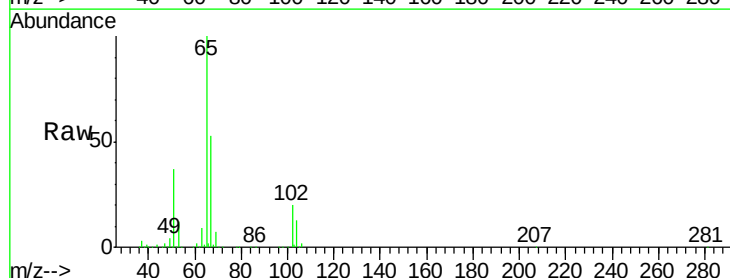
Instrument :
MSVOA_N
ClientSampled :

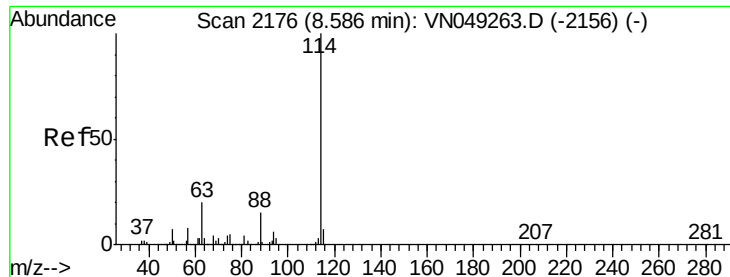
Tot Ion: 56 Resp: 20331
Ion Ratio Lower Upper
56 100
69 194.4 25.0 37.4#
84 132.9 64.6 96.8#



#33
1,2-Dichloroethane-d4
Concen: 51.11 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049498.D
Acq: 22 Jun 2018 18:06

Tgt Ion: 65 Resp: 786647
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.8

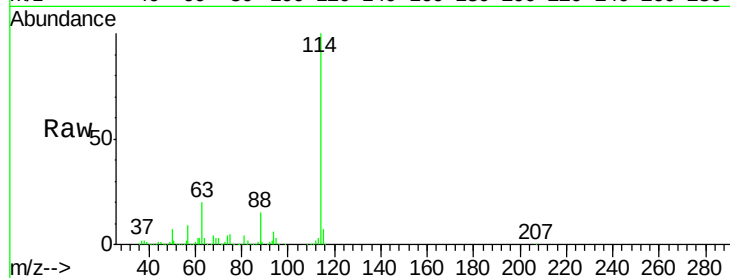




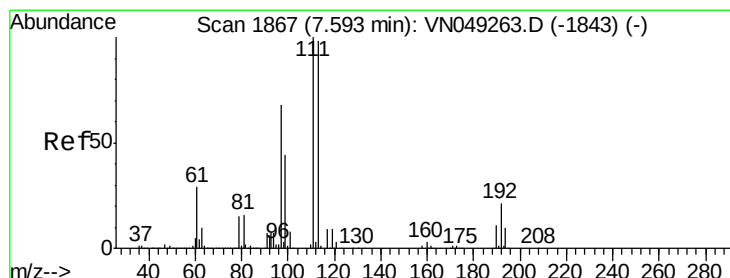
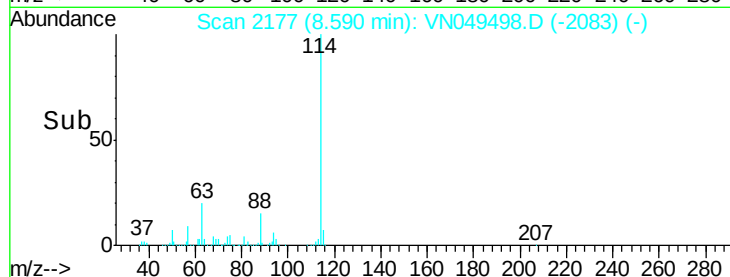
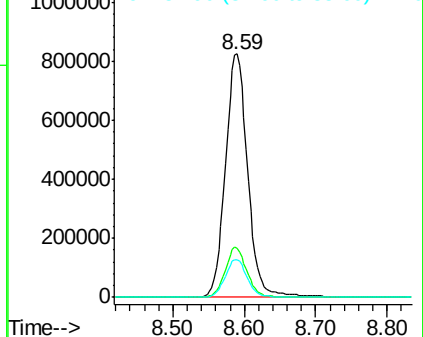
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049498.D
 Acq: 22 Jun 2018 18:06

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 1787136
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 44.4
 88 15.5 0.0 31.4

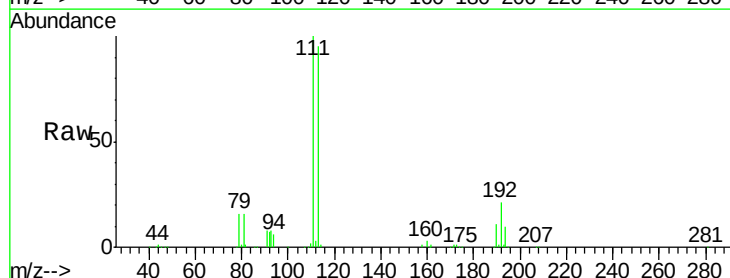


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

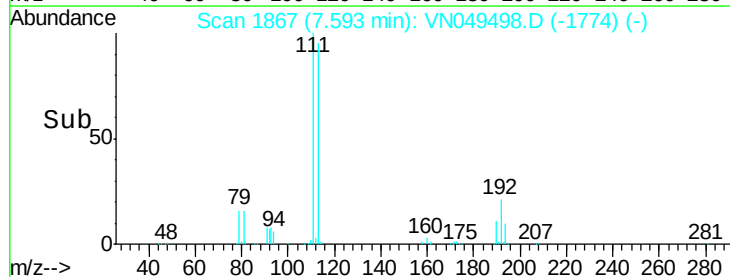
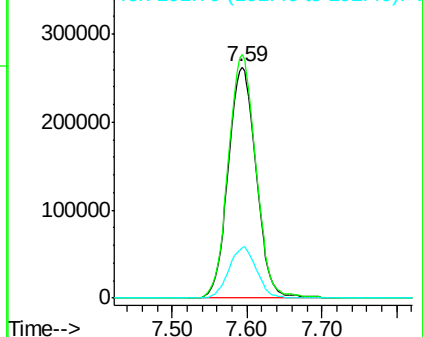


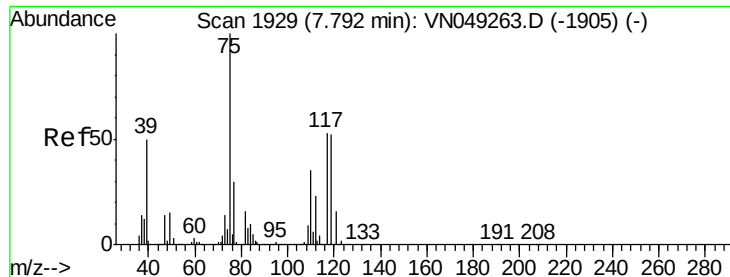
#35
 Dibromofluoromethane
 Concen: 47.08 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049498.D
 Acq: 22 Jun 2018 18:06

Tgt Ion:113 Resp: 680696
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.4 123.6
 192 21.8 15.0 22.6



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

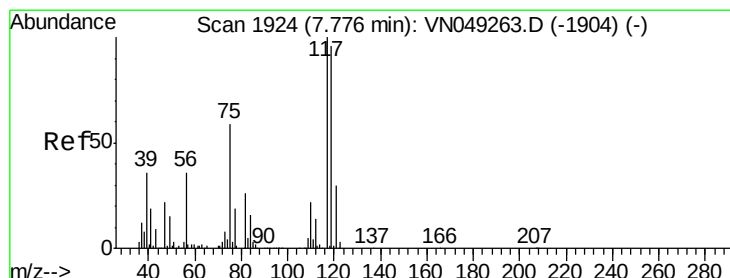
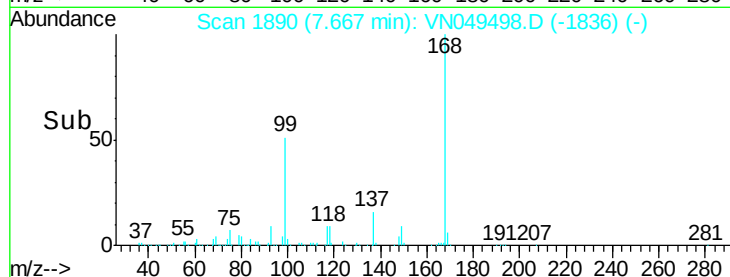
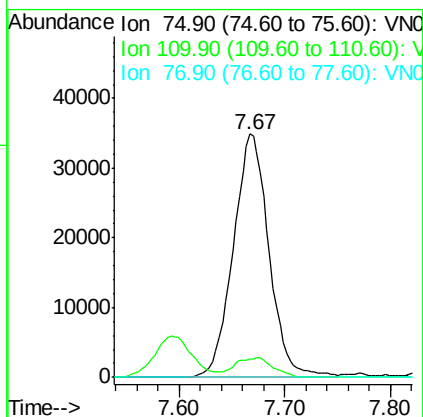
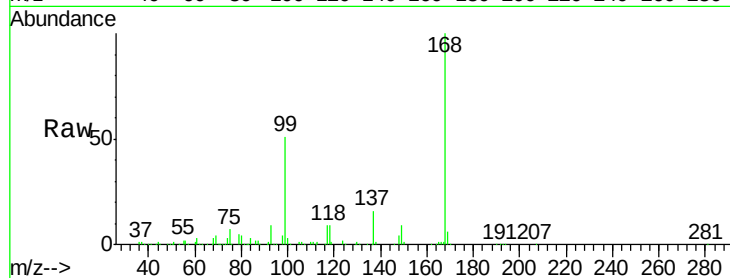




#36
 1,1-Dichloropropene
 Concen: 4.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049498.D
 Acq: 22 Jun 2018 18:06

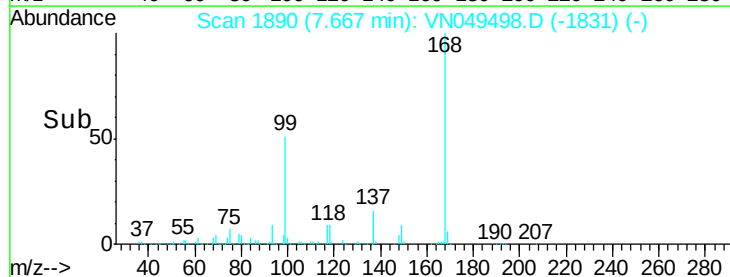
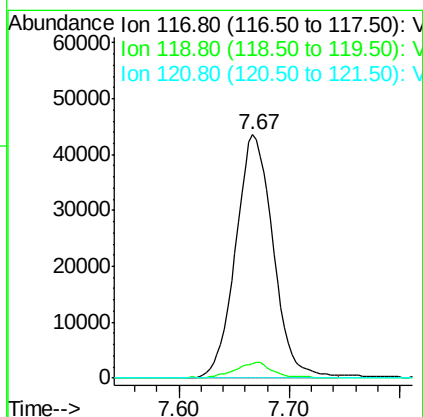
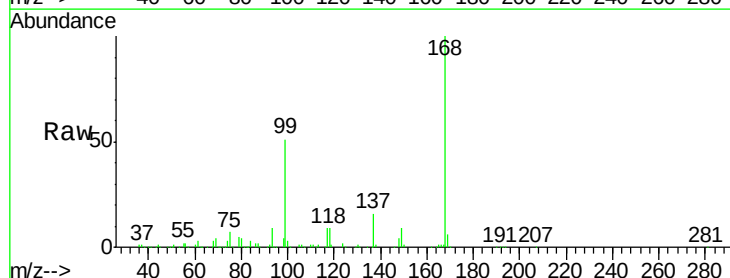
Instrument :
 MSVOA_N
 ClientSampleId :

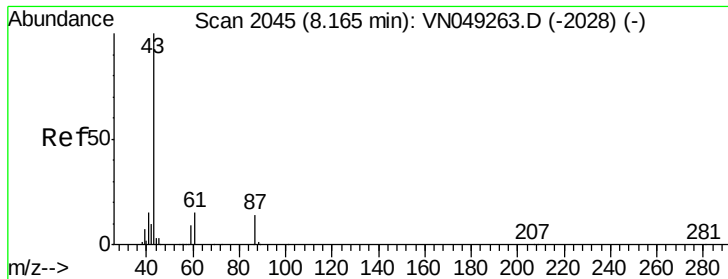
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.0	50.9#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.84 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN049498.D
 Acq: 22 Jun 2018 18:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.6	113.4#
121	0.0	24.7	37.1#

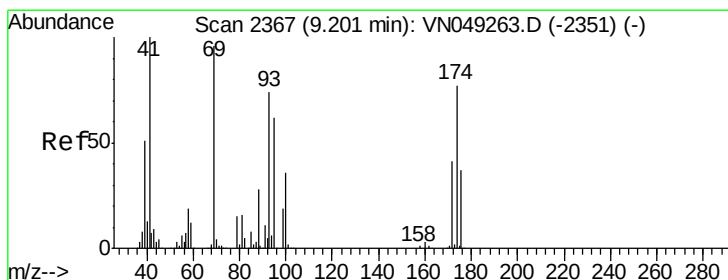
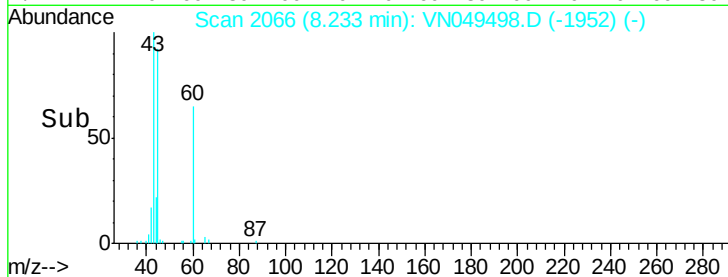
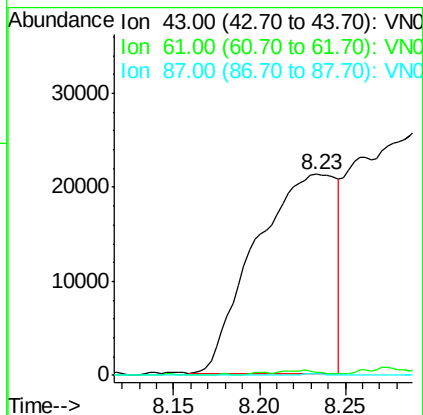
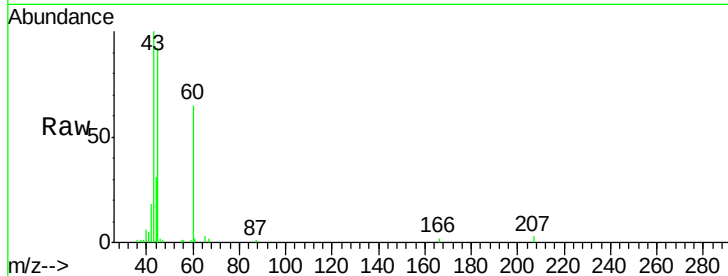




#43
Isopropyl Acetate
Concen: 3.24 ug/l
RT: 8.23 min Scan# 2066
Delta R.T. 0.07 min
Lab File: VN049498.D
Acq: 22 Jun 2018 18:06

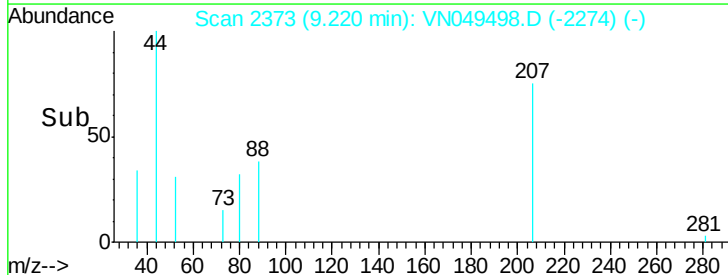
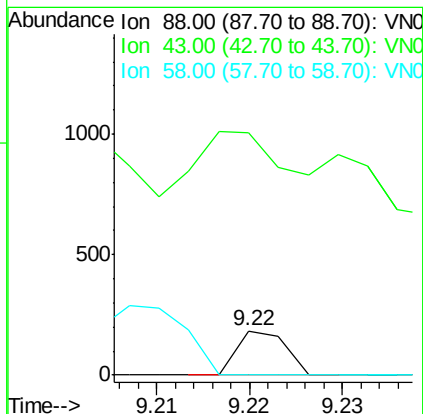
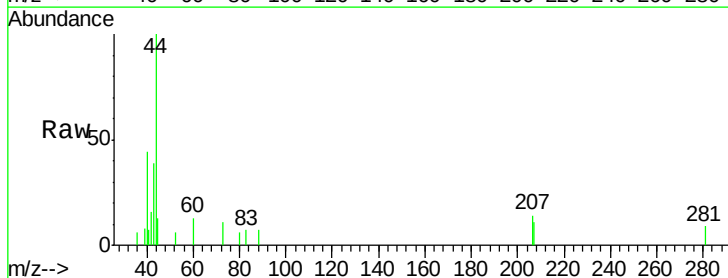
Instrument :
MSVOA_N
ClientSampleId :

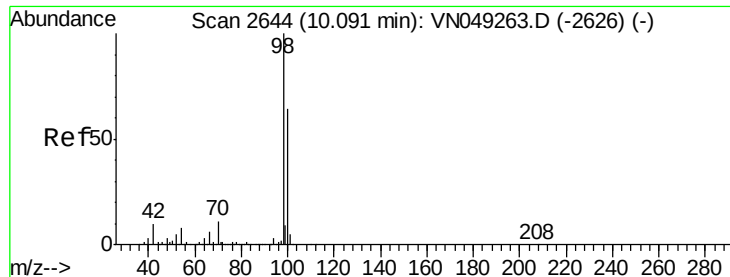
Tot Ion: 43 Resp: 68985
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
87 0.2 9.4 14.0#



#49
1,4-Dioxane
Concen: 0.48 ug/l
RT: 9.22 min Scan# 2373
Delta R.T. 0.02 min
Lab File: VN049498.D
Acq: 22 Jun 2018 18:06

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 488.1 30.9 46.3#
58 0.0 58.9 88.3#

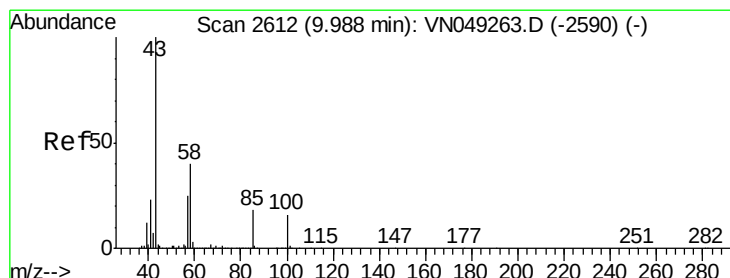
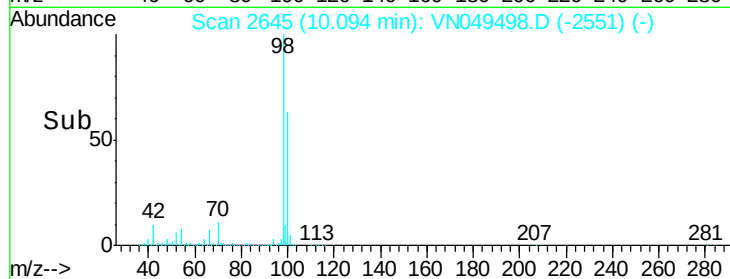
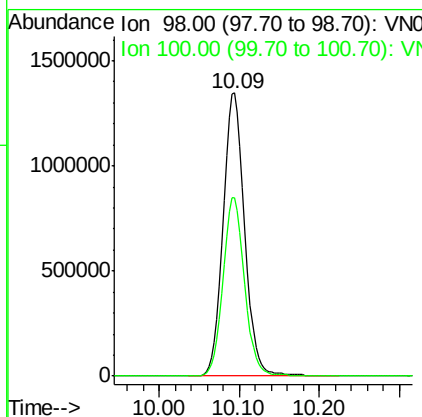
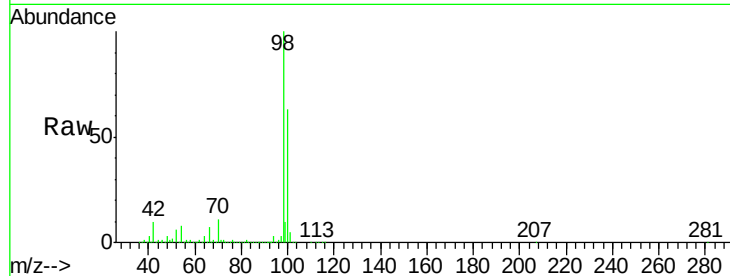




#50
Toluene-d8
Concen: 45.55 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049498.D
Acq: 22 Jun 2018 18:06

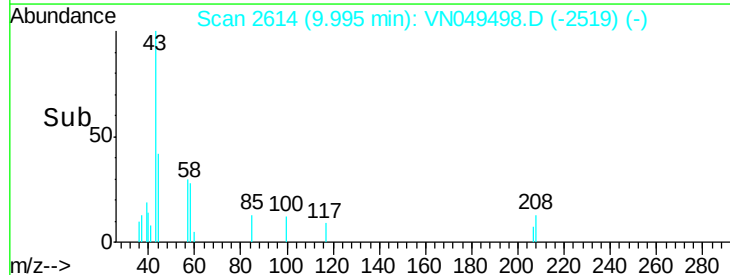
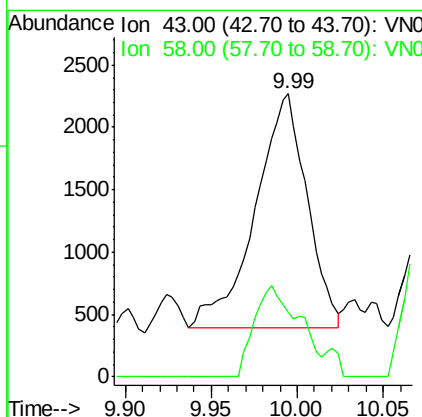
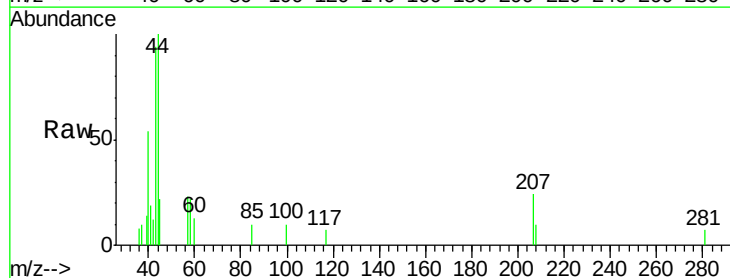
Instrument :
MSVOA_N
ClientSampled :

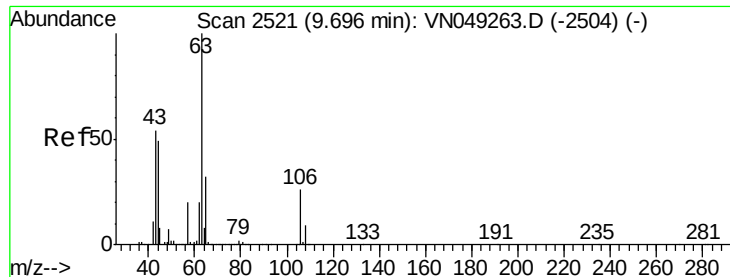
Tot Ion: 98 Resp: 2507947
Ion Ratio Lower Upper
98 100
100 63.1 49.8 74.8



#51
4-Methyl-2-Pentanone
Concen: 0.35 ug/l
RT: 9.99 min Scan# 2614
Delta R.T. 0.01 min
Lab File: VN049498.D
Acq: 22 Jun 2018 18:06

Tgt Ion: 43 Resp: 3955
Ion Ratio Lower Upper
43 100
58 33.5 29.0 43.6

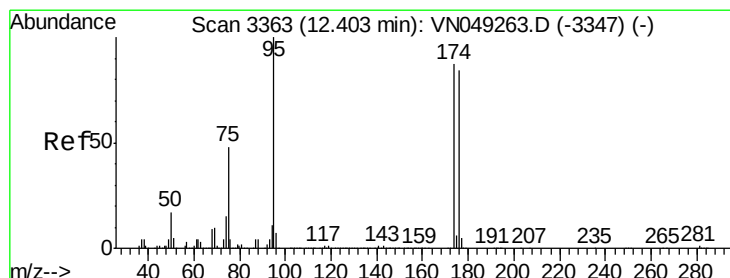
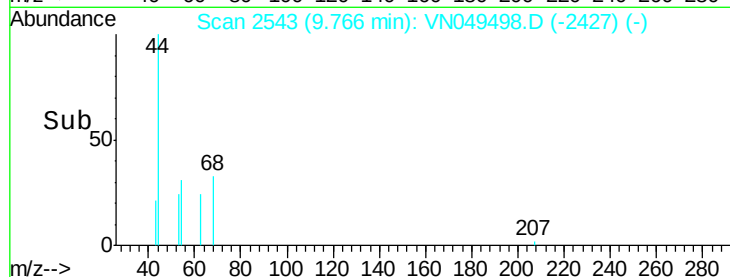
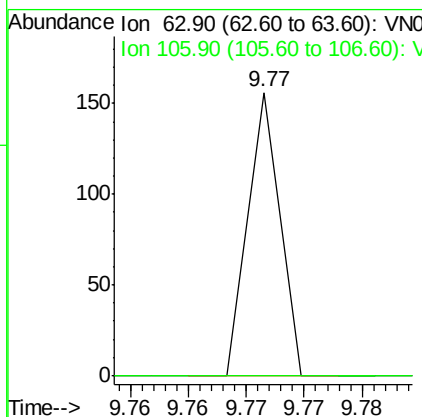
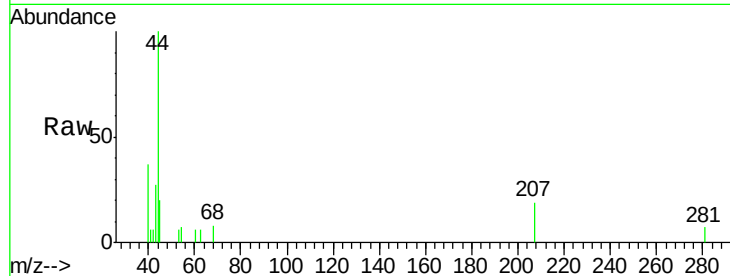




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.33 ug/l
 RT: 9.77 min Scan# 2543
 Delta R.T. 0.07 min
 Lab File: VN049498.D
 Acq: 22 Jun 2018 18:06

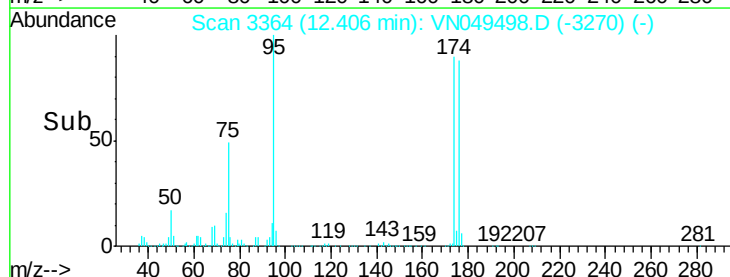
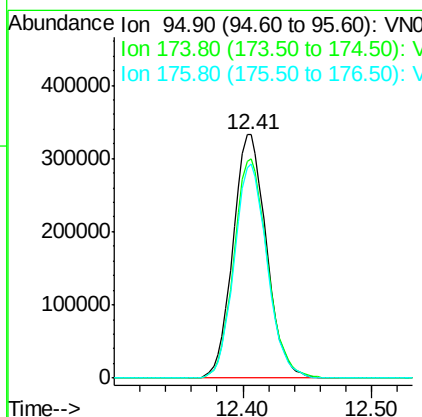
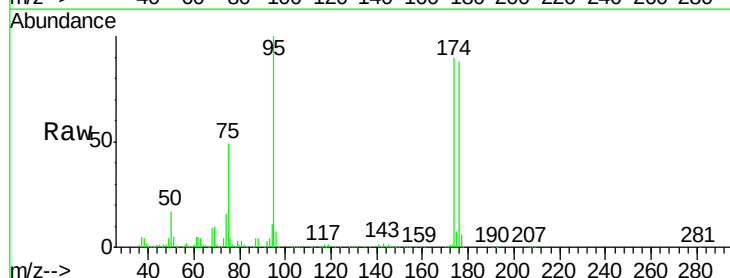
Instrument :
 MSVOA_N
 ClientSampleId :

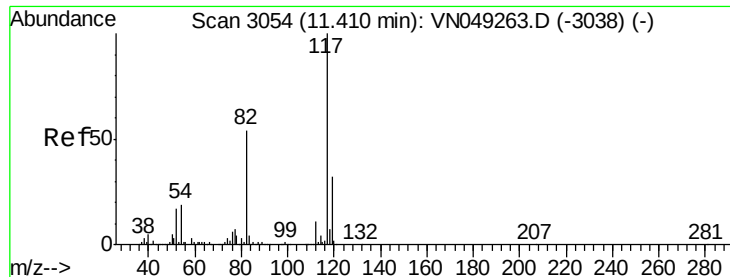
Tot Ion: 63 Resp: 30
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#



#62
 4-Bromofluorobenzene
 Concen: 32.95 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN049498.D
 Acq: 22 Jun 2018 18:06

Tgt Ion: 95 Resp: 599879
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 165.6
 176 86.8 0.0 157.4

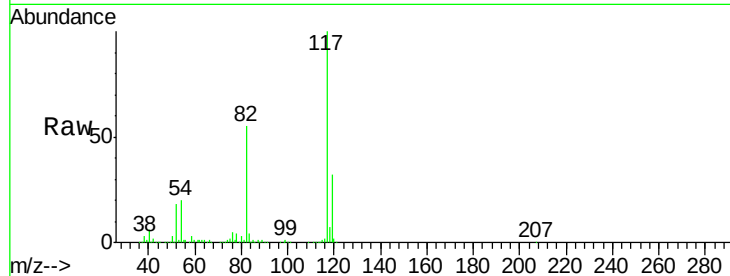




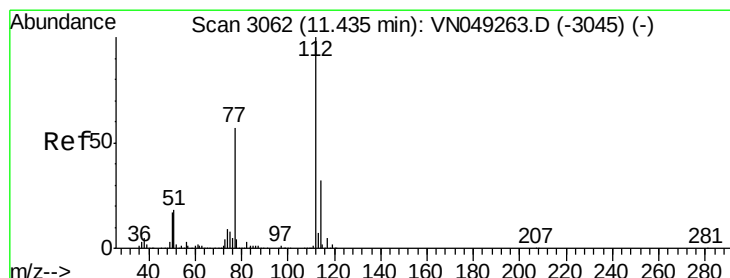
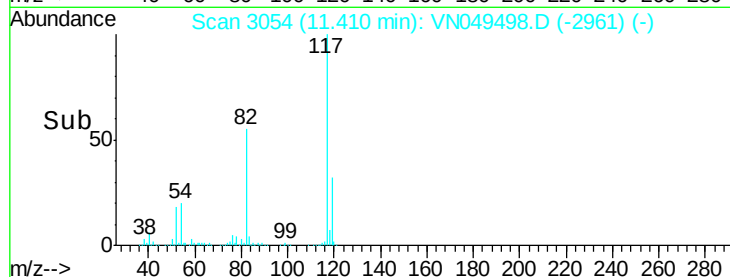
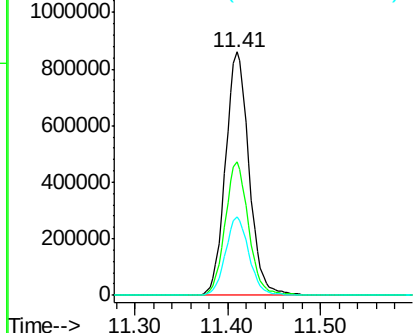
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049498.D
Acq: 22 Jun 2018 18:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1514382
Ion Ratio Lower Upper
117 100
82 54.6 45.9 68.9
119 32.0 25.5 38.3

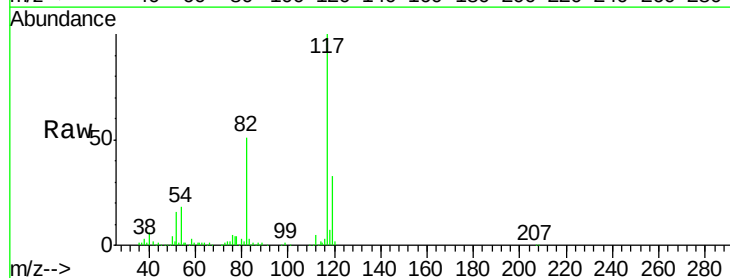


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

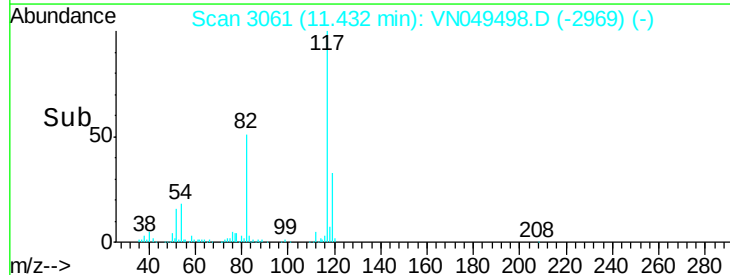
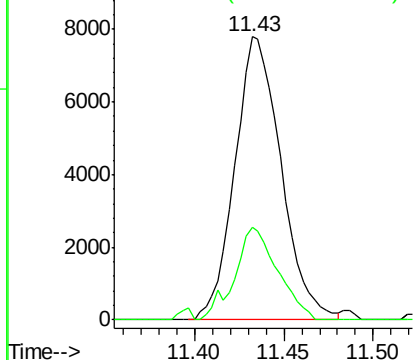


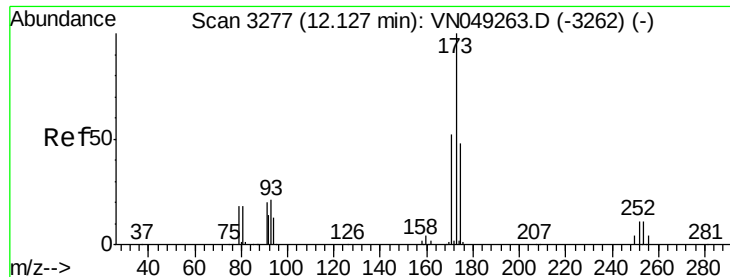
#65
Chlorobenzene
Concen: 0.36 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN049498.D
Acq: 22 Jun 2018 18:06

Tgt Ion:112 Resp: 14115
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4



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

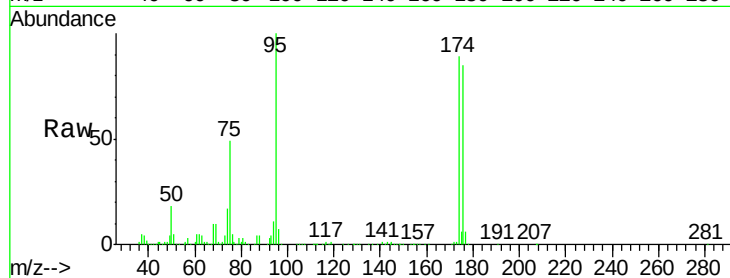




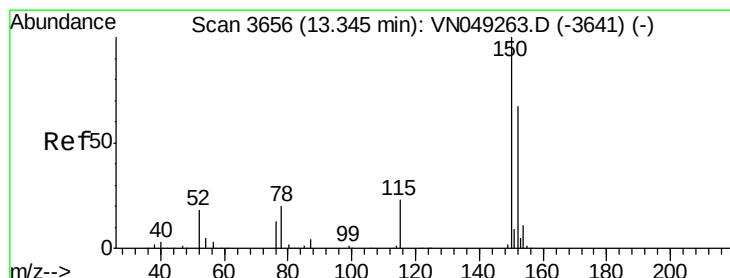
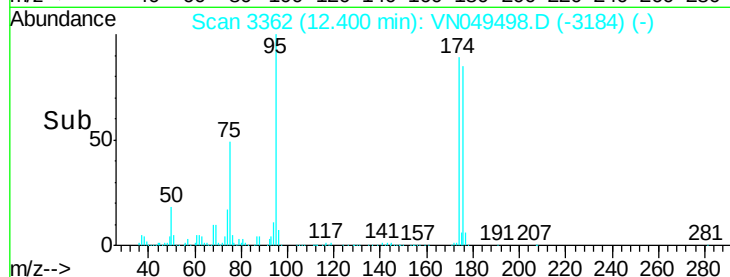
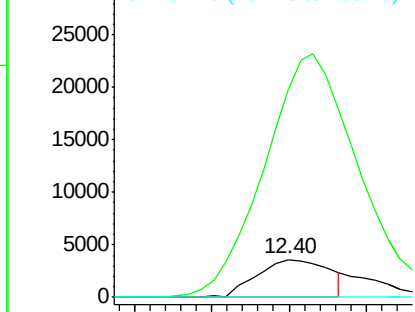
#71
Bromoform
Concen: 0.49 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN049498.D
Acq: 22 Jun 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 4647
Ion Ratio Lower Upper
173 100
175 637.3 24.5 73.5#
254 0.0 0.1 0.1#

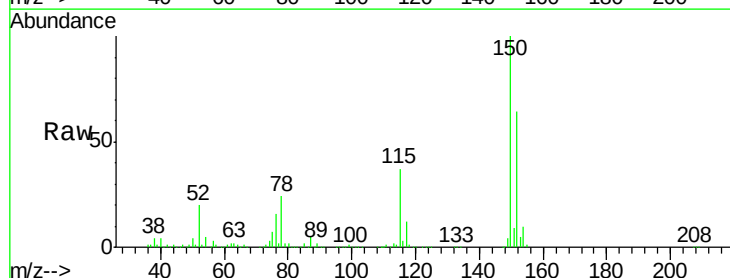


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

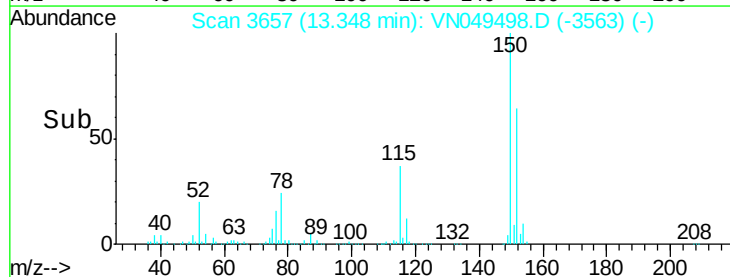
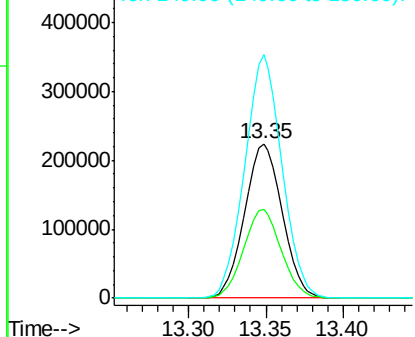


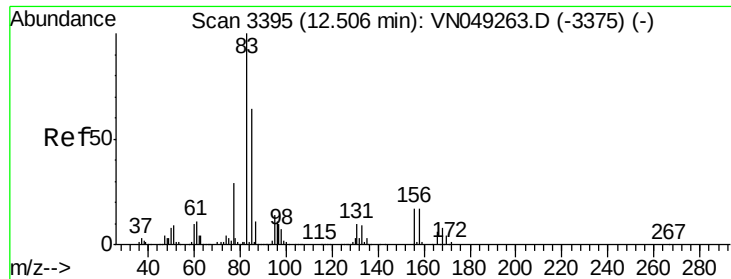
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049498.D
Acq: 22 Jun 2018 18:06

Tgt Ion:152 Resp: 379983
Ion Ratio Lower Upper
152 100
115 57.1 28.7 86.1
150 156.0 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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VN049498.D

Acq: 22 Jun 2018 18:06

Instrument :

MSVOA_N

ClientSampled :

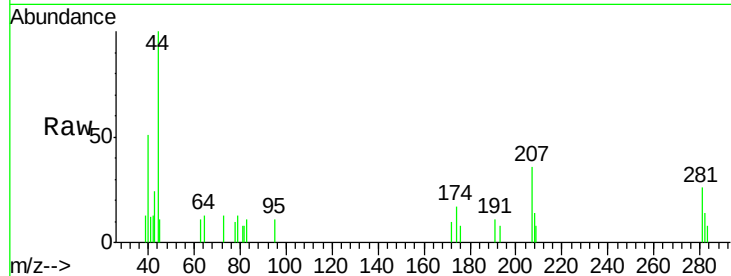
Tot Ion: 83 Resp: 148

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

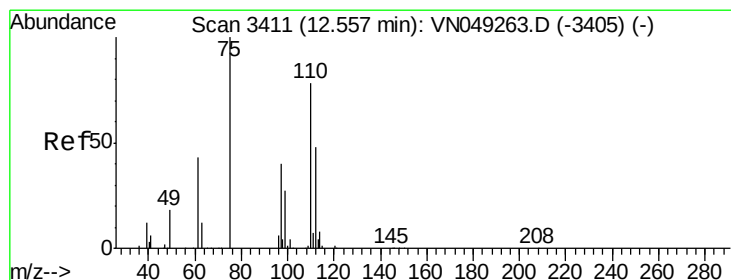
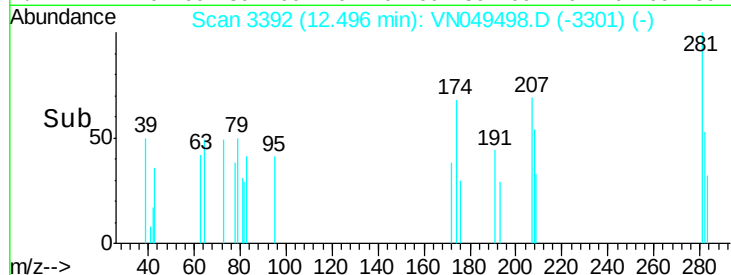
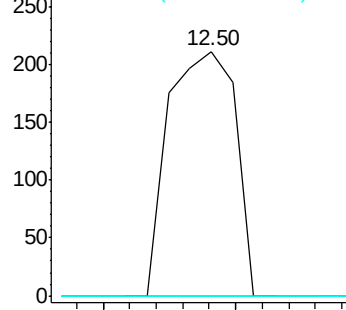
85 0.0 32.0 96.0#



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: 45.01 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. -0.15 min

Lab File: VN049498.D

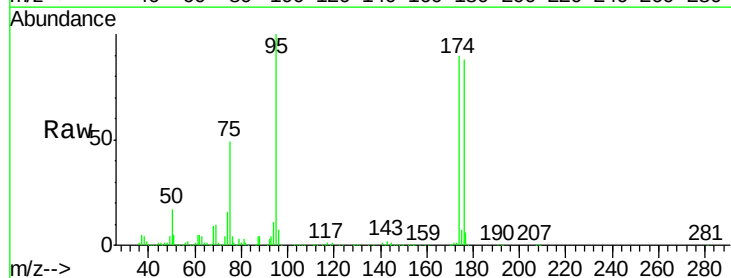
Acq: 22 Jun 2018 18:06

Tgt Ion: 75 Resp: 291829

Ion Ratio Lower Upper

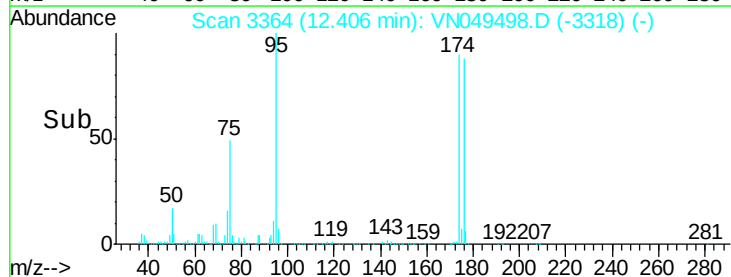
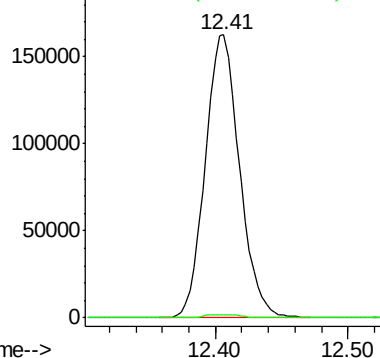
75 100

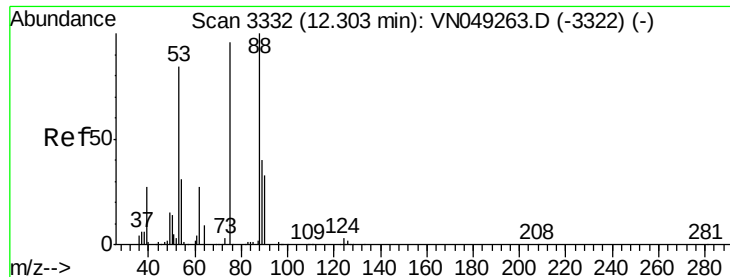
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 142.26 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN049498.D

Acq: 22 Jun 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

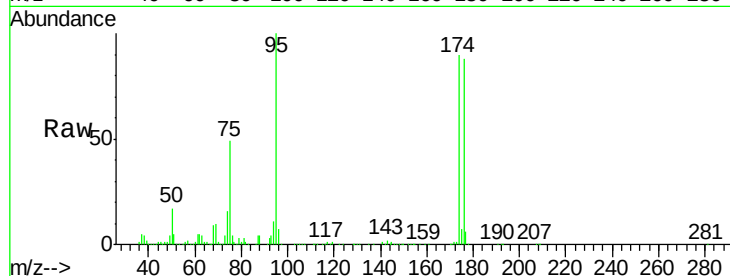
Tot Ion: 75 Resp: 291829

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

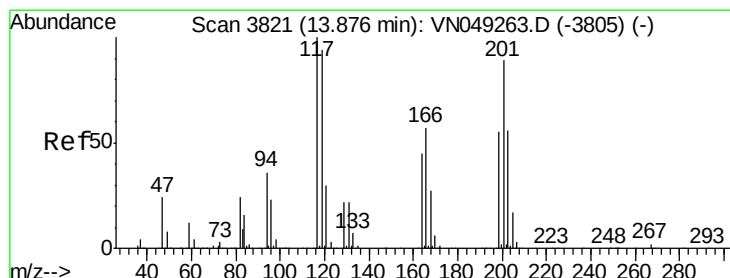
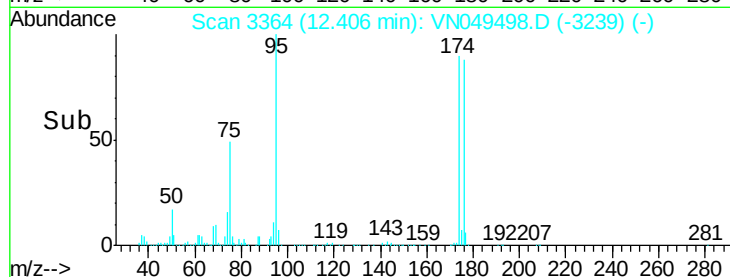
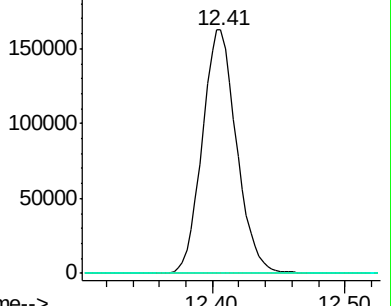
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049498.D (-3364) (-)

Ion 53.00 (52.70 to 53.70): VN049498.D (-3364) (-)

Ion 88.90 (88.60 to 89.60): VN049498.D (-3364) (-)



#90

Hexachloroethane

Concen: Below Cal

RT: 13.62 min Scan# 3740

Delta R.T. -0.26 min

Lab File: VN049498.D

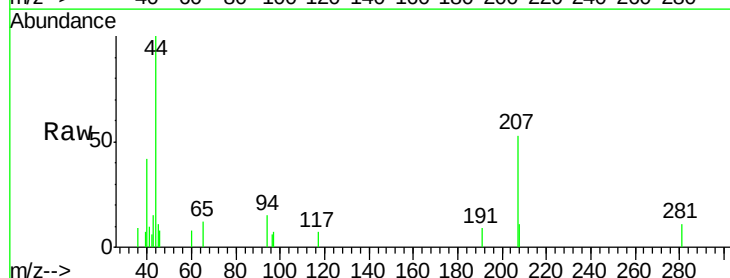
Acq: 22 Jun 2018 18:06

Tgt Ion: 117 Resp: 71

Ion Ratio Lower Upper

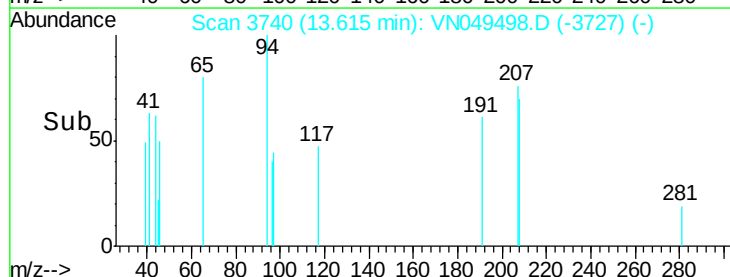
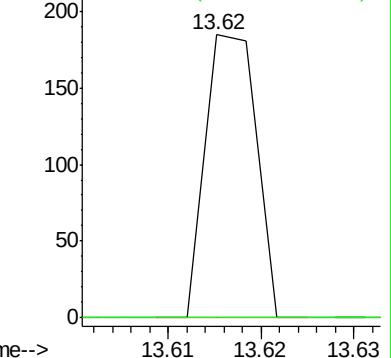
117 100

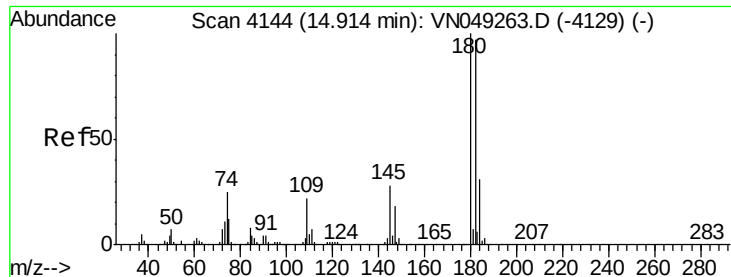
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): VN049498.D (-3740) (-)

Ion 200.70 (200.40 to 201.40): VN049498.D (-3740) (-)

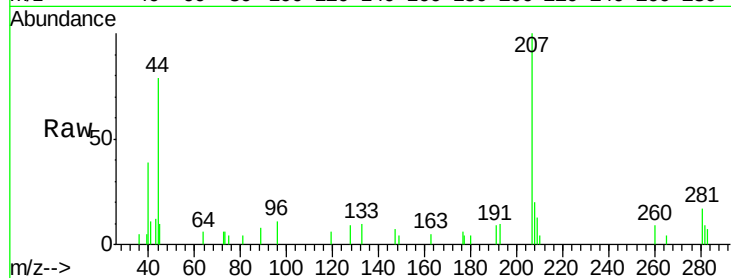




#93
 1,2,4-Trichlorobenzene
 Concen: 4.75 ug/l
 RT: 15.14 min Scan# 4214
 Delta R.T. 0.23 min
 Lab File: VN049498.D
 Acq: 22 Jun 2018 18:06

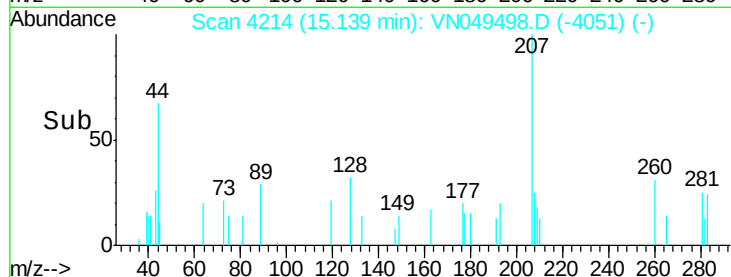
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 33
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.9 140.8#
 145 0.0 14.7 44.1#

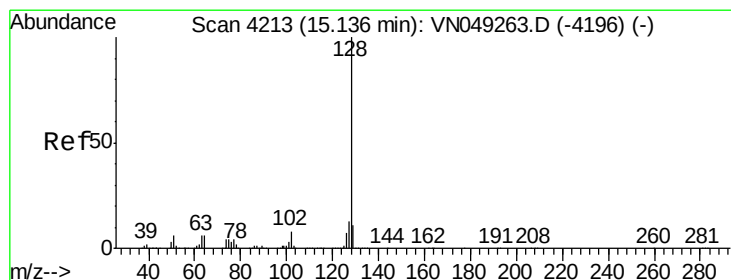


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

15.14

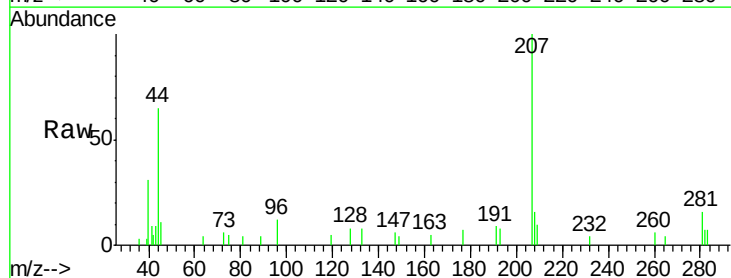


Time-->



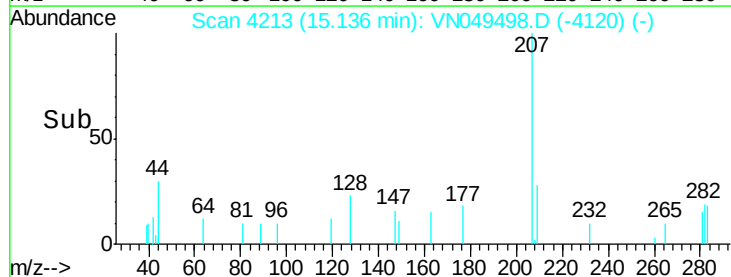
#95
 Naphthalene
 Concen: 2.12 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049498.D
 Acq: 22 Jun 2018 18:06

Tgt Ion:128 Resp: 383
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.5 12.7#

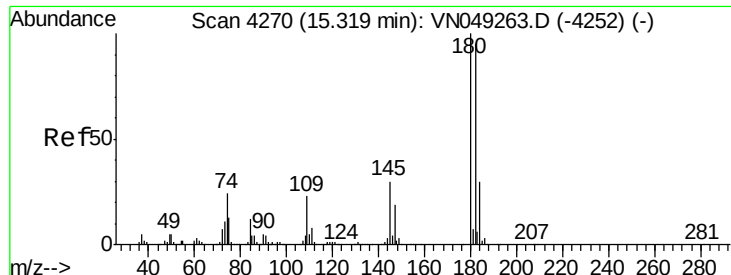


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

15.14



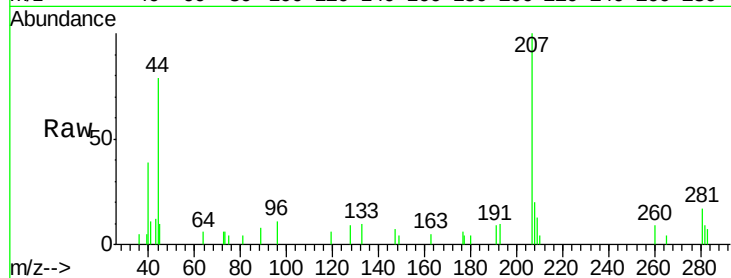
Time-->



#96
 1,2,3-Trichlorobenzene
 Concen: 3.46 ug/l
 RT: 15.14 min Scan# 4214
 Delta R.T. -0.18 min
 Lab File: VN049498.D
 Acq: 22 Jun 2018 18:06

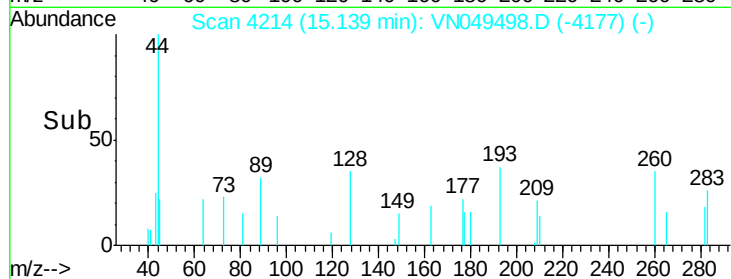
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.3	141.8#
145	0.0	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

15.14



Time-->