

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060220\
 Data File : VN061609.D
 Acq On : 2 Jun 2020 10:25
 Operator : JC/MD
 Sample : VN0602WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 03 00:40:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	296187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	509216	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	465815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	187434	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	169452	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
35) Dibromofluoromethane	7.54	113	143615	55.60	ug/l	0.00
Spiked Amount			Recovery	=	111.20%	
50) Toluene-d8	10.06	98	597508	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.37	95	205892	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	

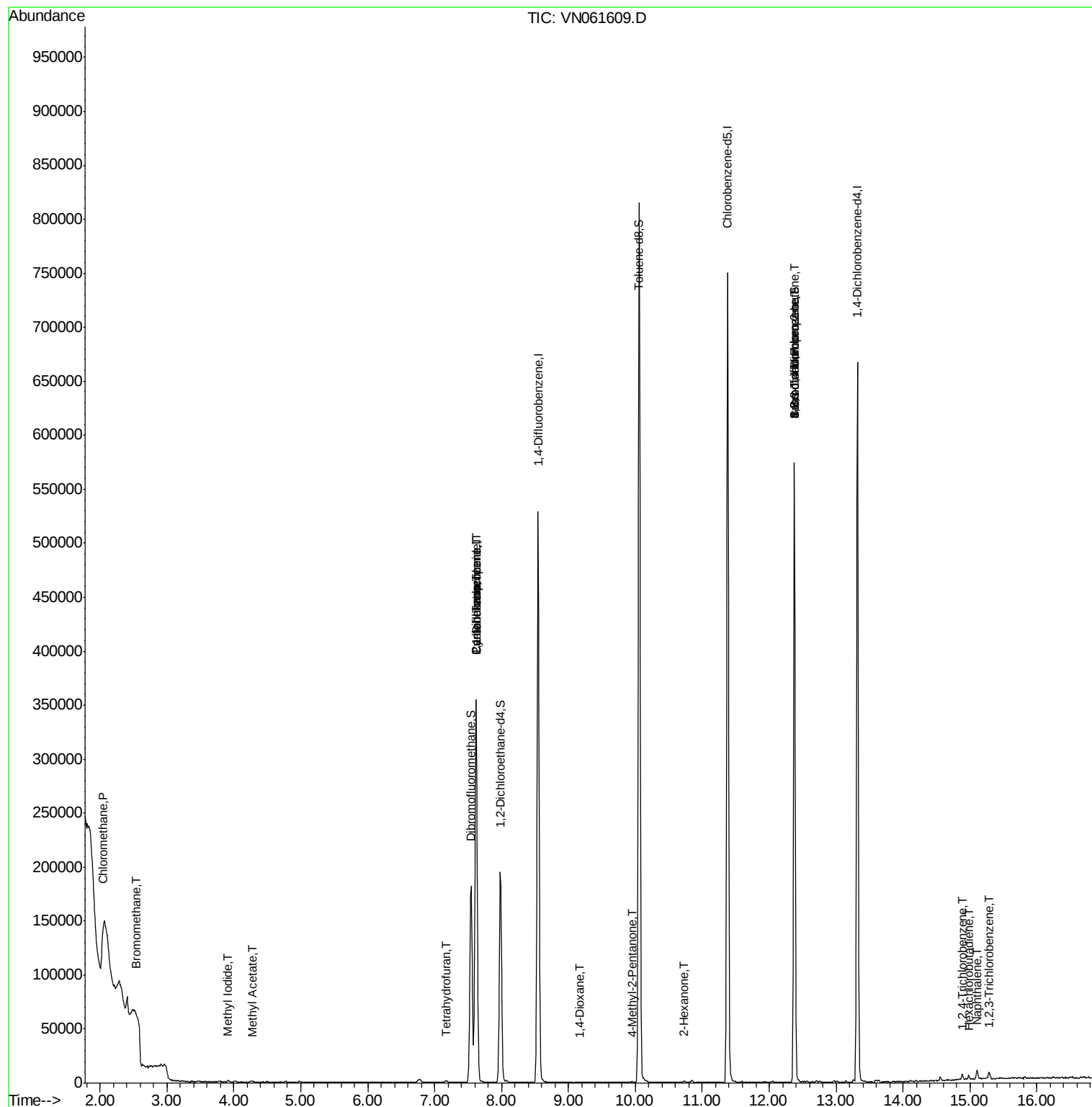
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2283	0.632	ug/l	97
5) Bromomethane	2.55	94	1724	0.607	ug/l	82
10) Methyl Iodide	3.91	142	1164	0.296	ug/l #	57
16) Acetone	3.77	43	860	Below Cal		96
18) Methyl Acetate	4.27	43	1823	0.571	ug/l #	46
20) Methylene Chloride	4.49	84	298	Below Cal	#	60
29) Tetrahydrofuran	7.17	42	1235	1.120	ug/l #	33
31) Cyclohexane	7.62	56	5324	1.070	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	21019	4.663	ug/l #	42
38) Carbon Tetrachloride	7.62	117	28798	6.623	ug/l #	16
49) 1,4-Dioxane	9.16	88	150	3.295	ug/l #	29
51) 4-Methyl-2-Pentanone	9.94	43	772	0.210	ug/l #	32
59) 2-Hexanone	10.73	43	1437	0.544	ug/l	80
71) Bromoform	12.37	173	1745	0.628	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	99977	29.334	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	99977	75.014	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.88	180	2042	0.591	ug/l	89
94) Hexachlorobutadiene	14.99	225	635	0.431	ug/l	92
95) Naphthalene	15.11	128	8398	0.798	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.28	180	2622	0.772	ug/l #	91

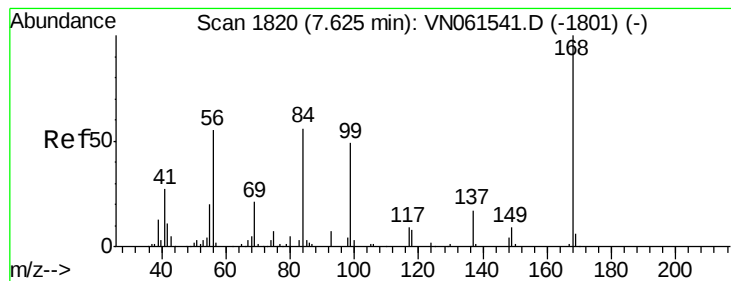
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060220\
Data File : VN061609.D
Acq On : 2 Jun 2020 10:25
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 03 00:40:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061609.D

Acq: 2 Jun 2020 10:25

Instrument :

MSVOA_N

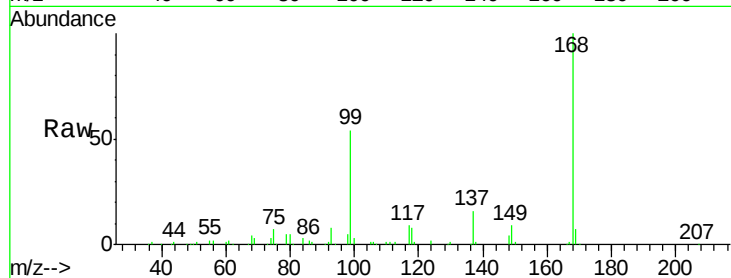
ClientSampled :

Tot Ion:168 Resp: 296187

Ion Ratio Lower Upper

168 100

99 54.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

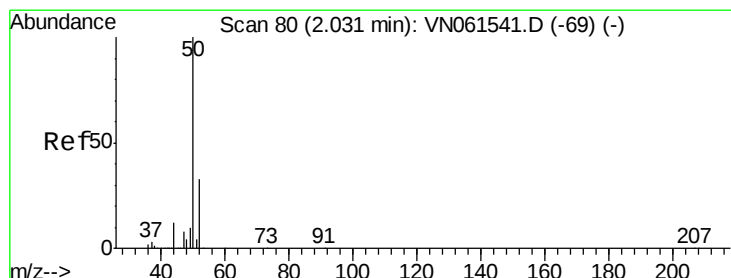
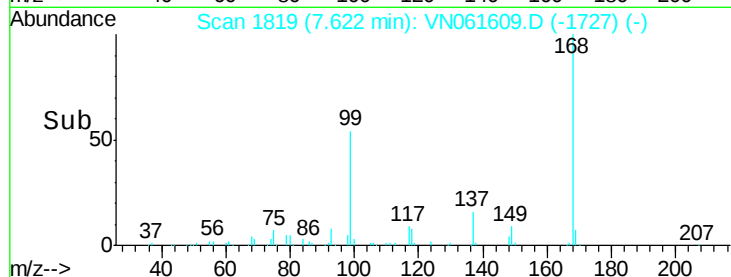
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.632 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.01 min

Lab File: VN061609.D

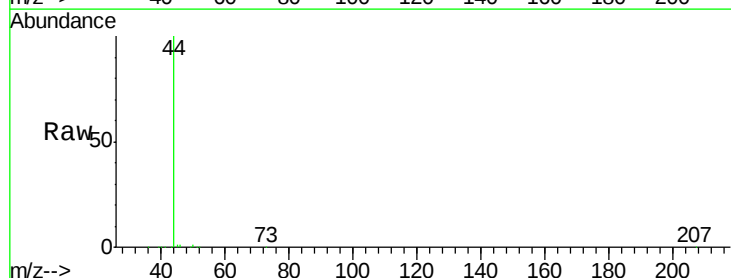
Acq: 2 Jun 2020 10:25

Tgt Ion: 50 Resp: 2283

Ion Ratio Lower Upper

50 100

52 31.8 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

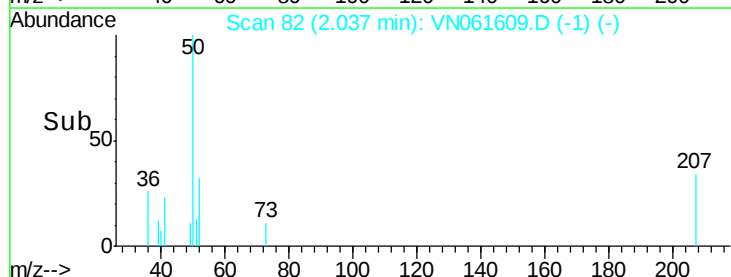
1500

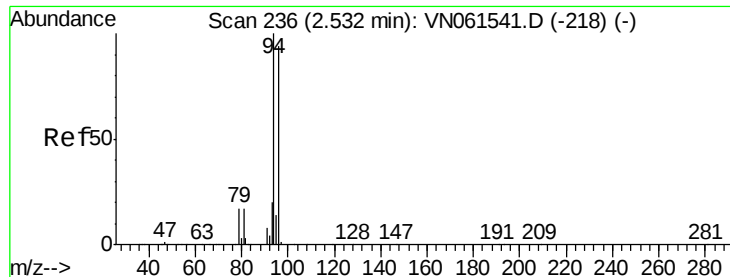
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.607 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN061609.D

Acq: 2 Jun 2020 10:25

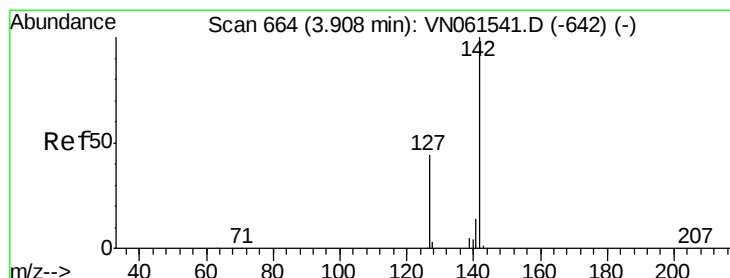
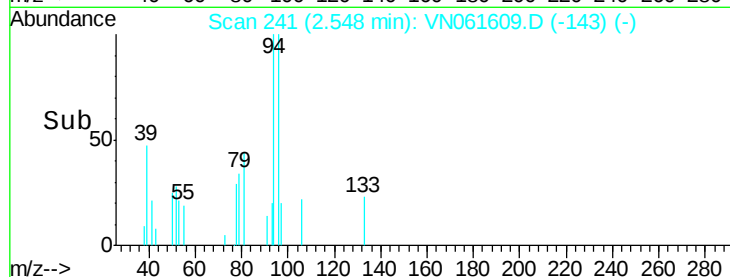
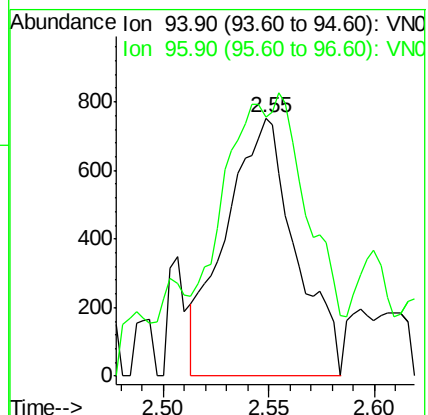
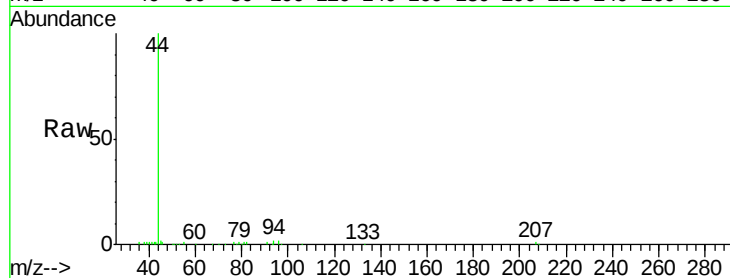
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 1724

Ion Ratio Lower Upper

94 100

96 76.5 74.8 112.2



#10

Methyl Iodide

Concen: 0.296 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061609.D

Acq: 2 Jun 2020 10:25

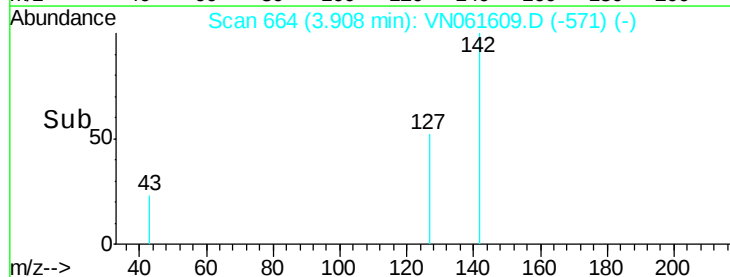
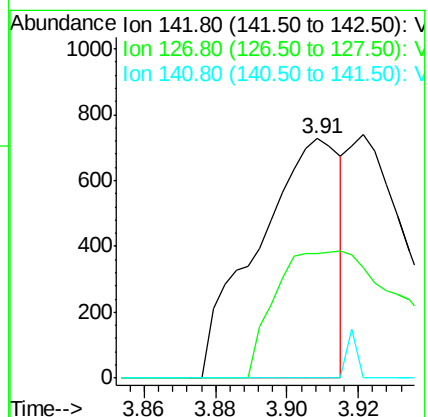
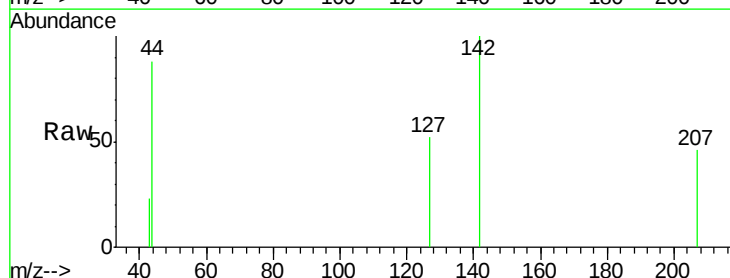
Tgt Ion:142 Resp: 1164

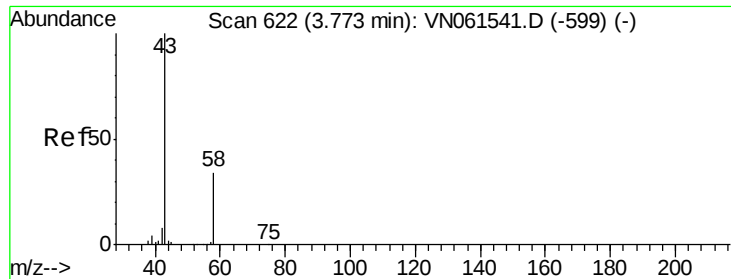
Ion Ratio Lower Upper

142 100

127 75.3 35.5 53.3#

141 2.5 11.5 17.3#





#16

Acetone

Concen: Below Cal

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061609.D

Acq: 2 Jun 2020 10:25

Instrument :

MSVOA_N

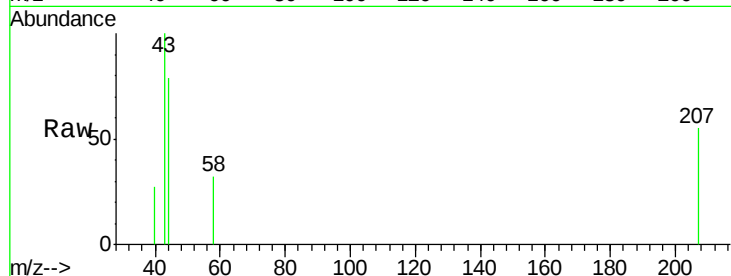
ClientSampleId :

Tot Ion: 43 Resp: 860

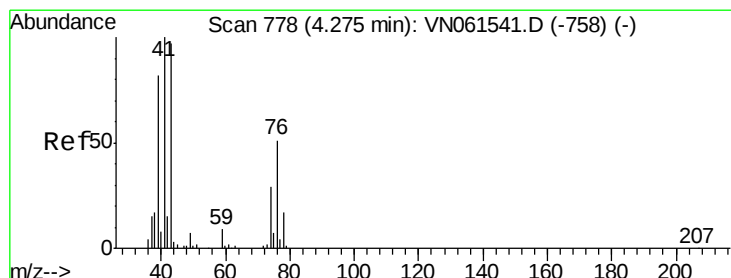
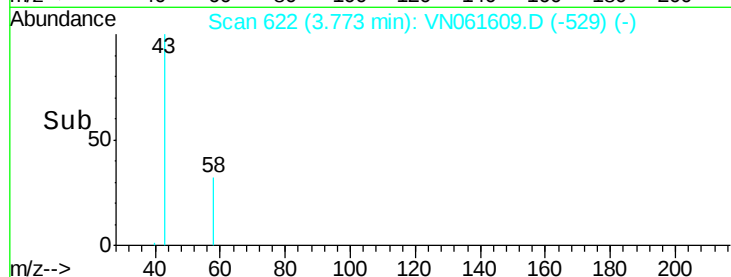
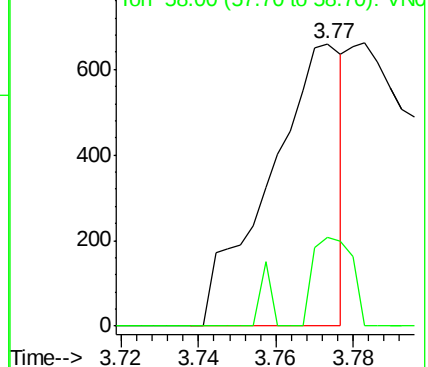
Ion Ratio Lower Upper

43 100

58 31.7 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN061609.D (-529) (-)



#18

Methyl Acetate

Concen: 0.571 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061609.D

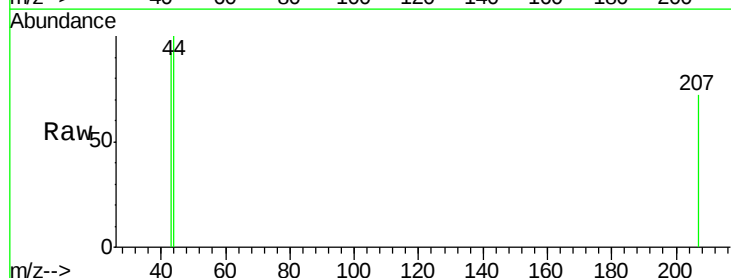
Acq: 2 Jun 2020 10:25

Tgt Ion: 43 Resp: 1823

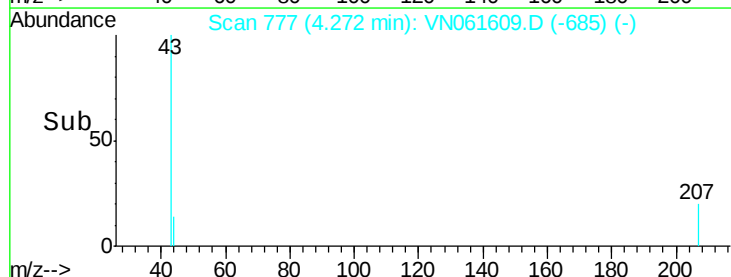
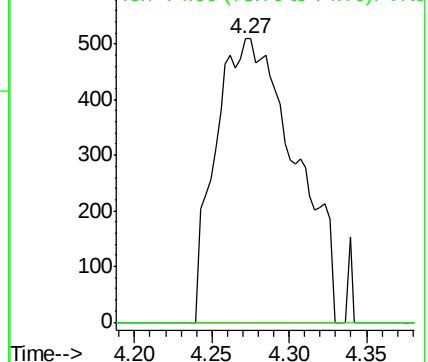
Ion Ratio Lower Upper

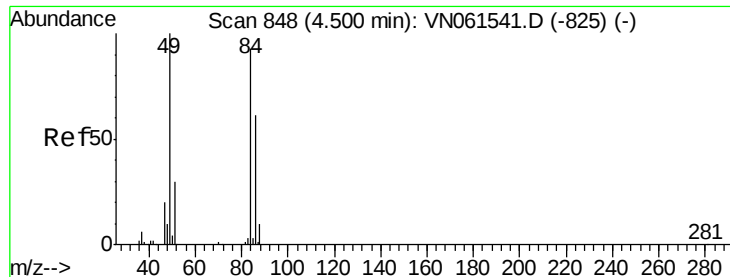
43 100

74 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061609.D (-685) (-)

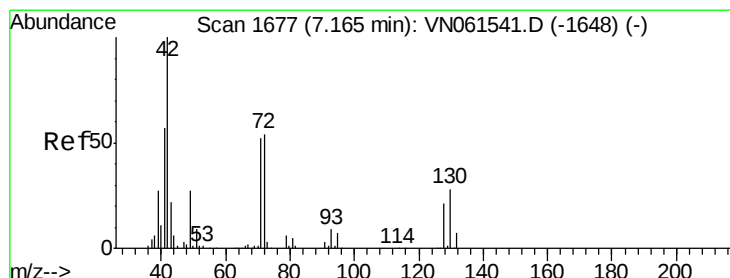
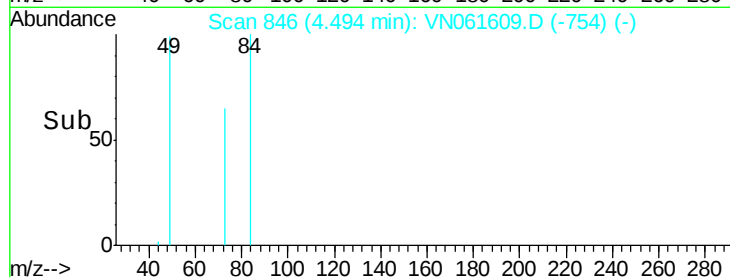
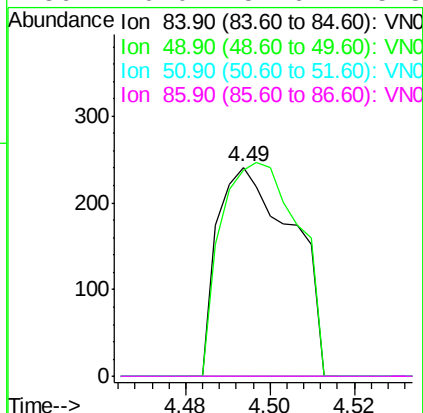
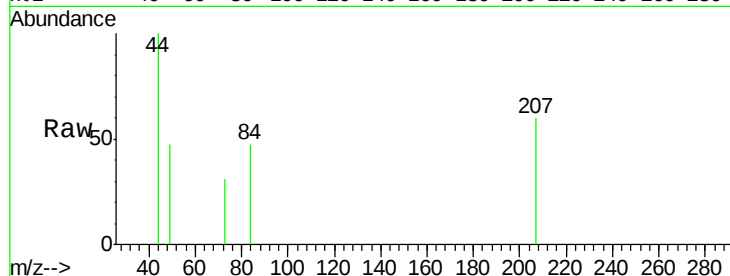




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN061609.D
Acq: 2 Jun 2020 10:25

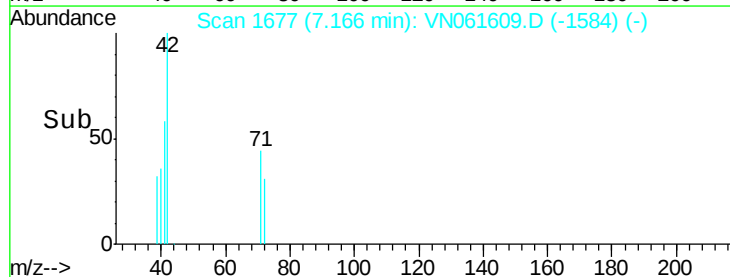
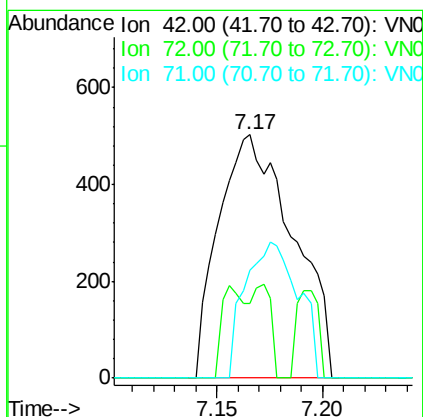
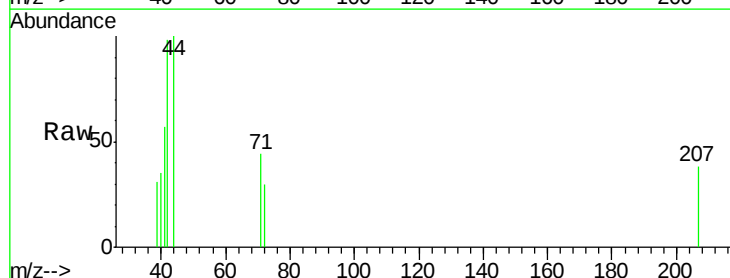
Instrument :
MSVOA_N
ClientSampleId :

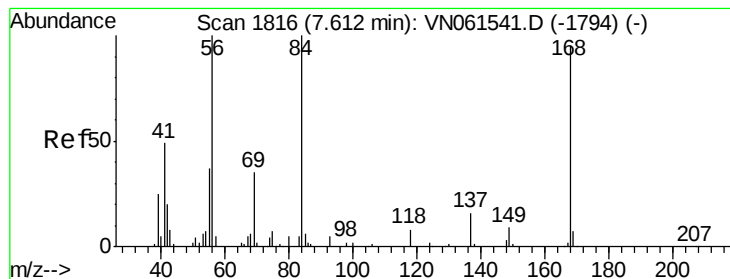
Tot Ion: 84 Resp: 298
Ion Ratio Lower Upper
84 100
49 98.8 85.8 128.8
51 0.0 26.2 39.2#
86 0.0 52.6 78.8#



#29
Tetrahydrofuran
Concen: 1.120 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061609.D
Acq: 2 Jun 2020 10:25

Tgt Ion: 42 Resp: 1235
Ion Ratio Lower Upper
42 100
72 10.6 43.6 65.4#
71 0.0 41.2 61.8#





#31

Cyclohexane

Concen: 1.070 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN061609.D

Acq: 2 Jun 2020 10:25

Instrument :

MSVOA_N

ClientSampled :

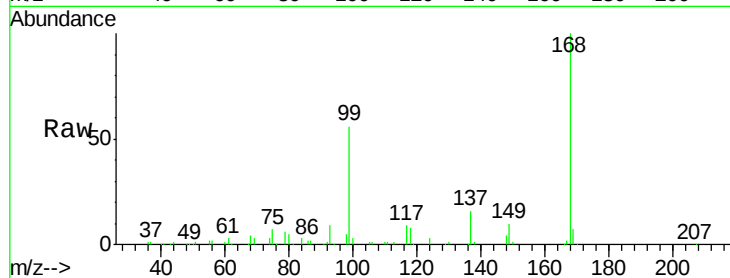
Tot Ion: 56 Resp: 5324

Ion Ratio Lower Upper

56 100

69 194.3 27.8 41.8#

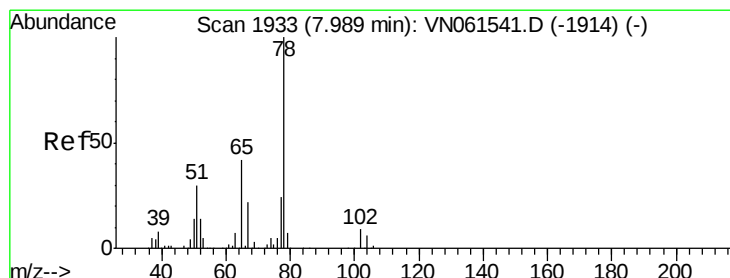
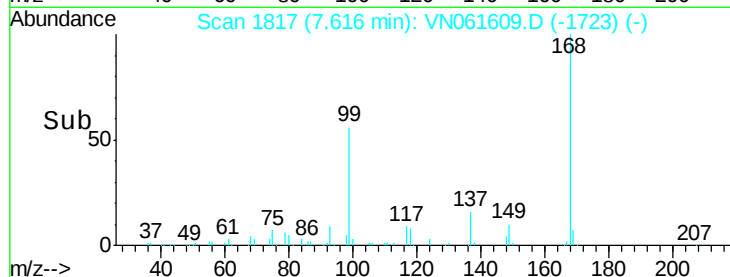
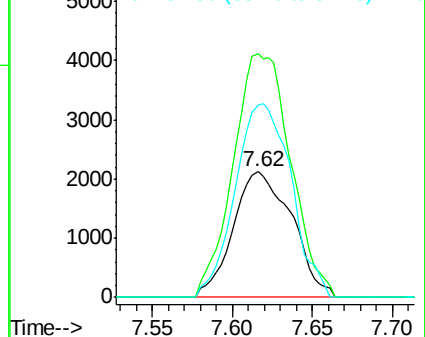
84 154.1 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN061609.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061609.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061609.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 48.019 ug/l

RT: 7.98 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VN061609.D

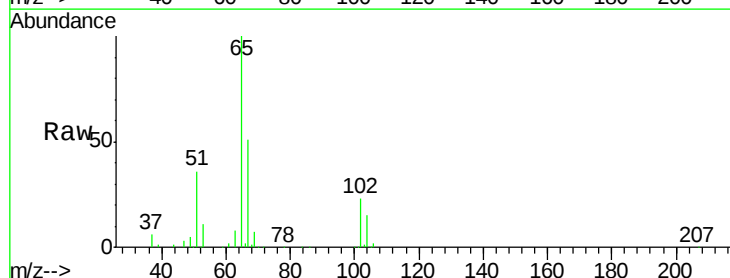
Acq: 2 Jun 2020 10:25

Tgt Ion: 65 Resp: 169452

Ion Ratio Lower Upper

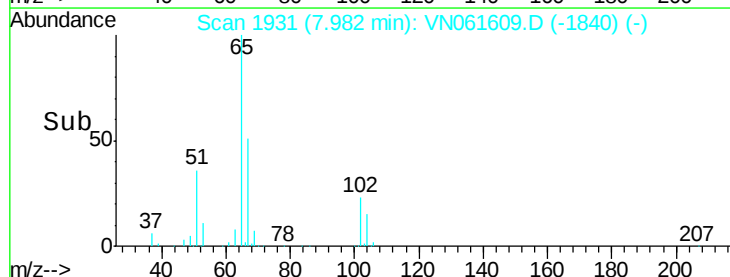
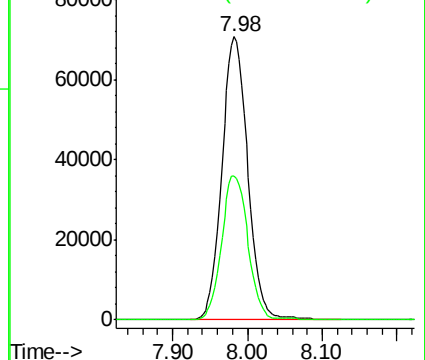
65 100

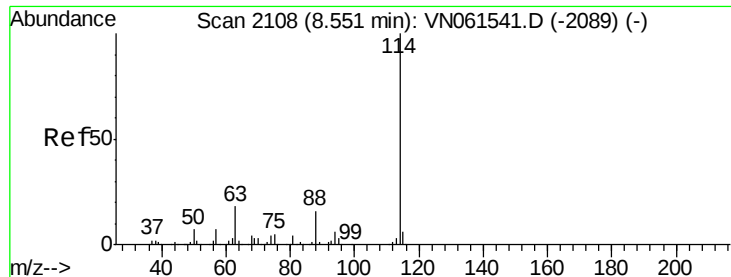
67 52.2 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN061609.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN061609.D (-1840) (-)

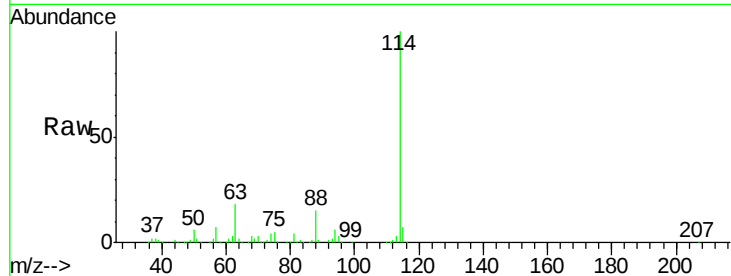




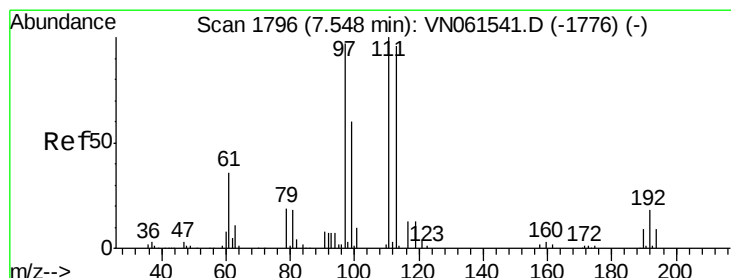
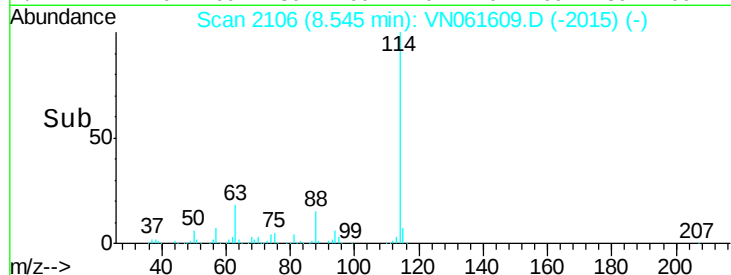
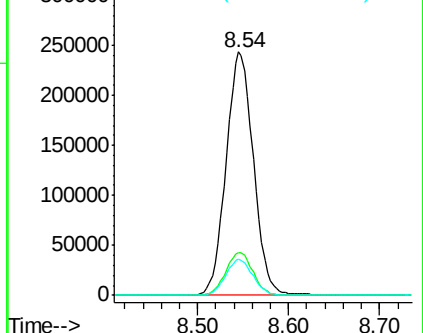
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.54 min Scan# 2106
Delta R.T. -0.01 min
Lab File: VN061609.D
Acq: 2 Jun 2020 10:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 509216
Ion Ratio Lower Upper
114 100
63 17.6 0.0 35.8
88 14.7 0.0 31.0

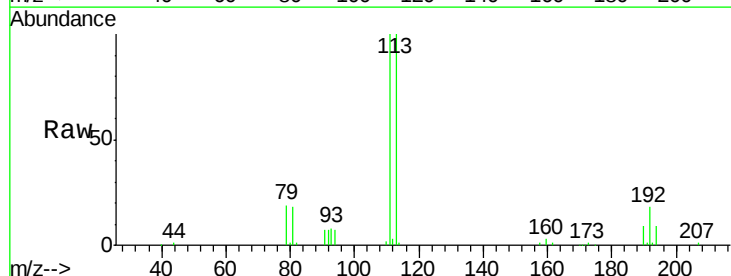


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

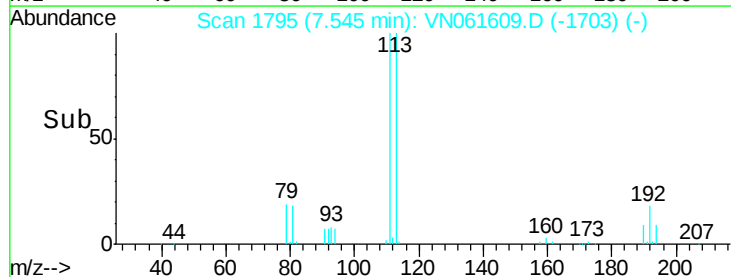
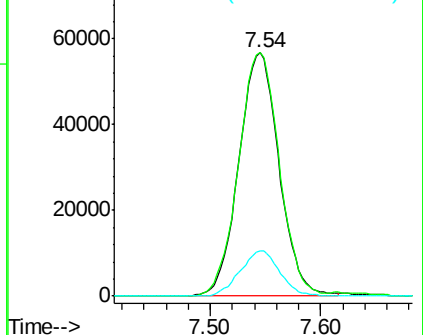


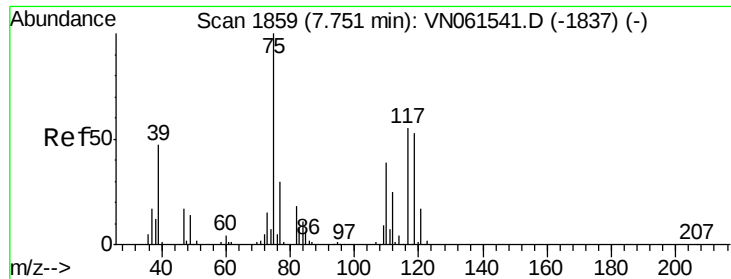
#35
Dibromofluoromethane
Concen: 55.597 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN061609.D
Acq: 2 Jun 2020 10:25

Tgt Ion:113 Resp: 143615
Ion Ratio Lower Upper
113 100
111 101.1 83.4 125.0
192 18.3 15.4 23.2



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

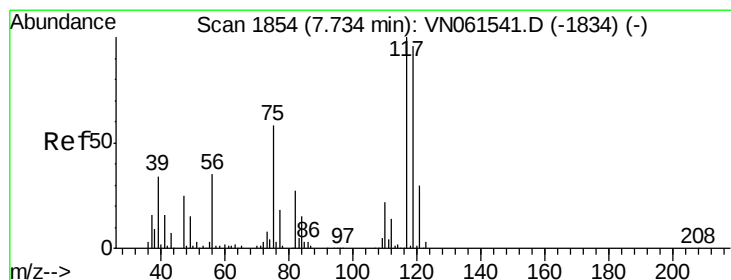
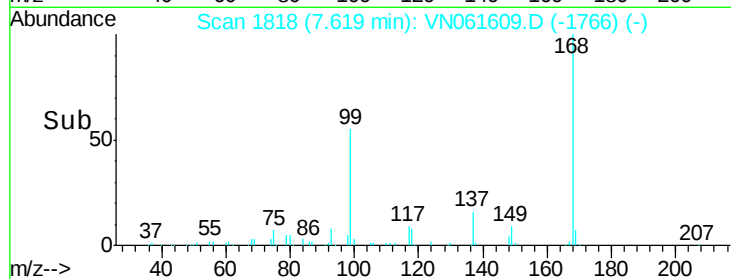
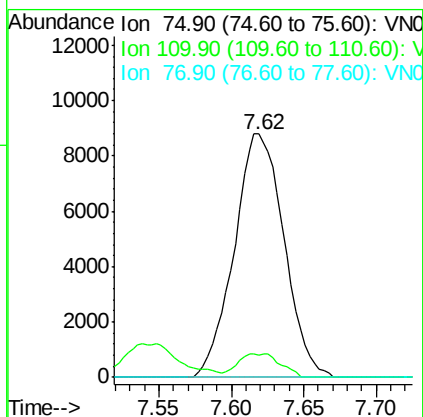
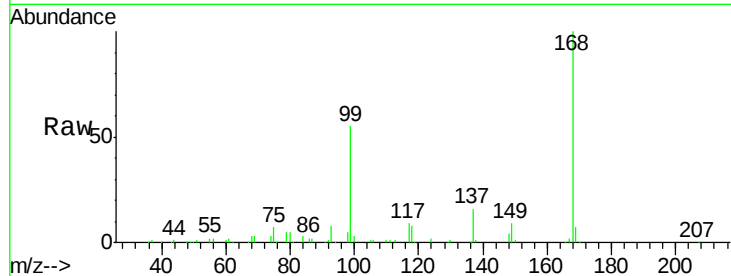




#36
 1,1-Dichloropropene
 Concen: 4.663 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.13 min
 Lab File: VN061609.D
 Acq: 2 Jun 2020 10:25

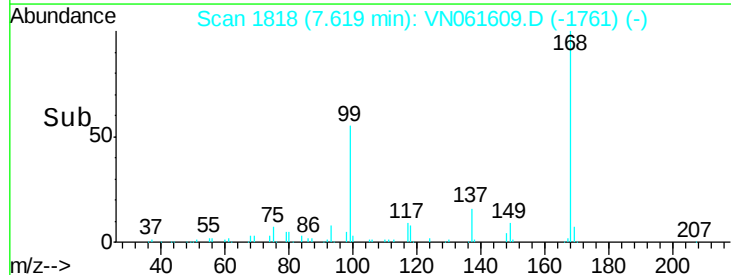
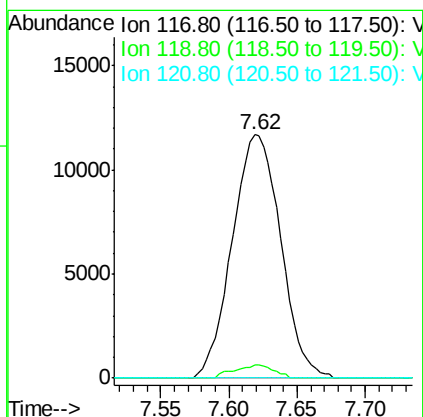
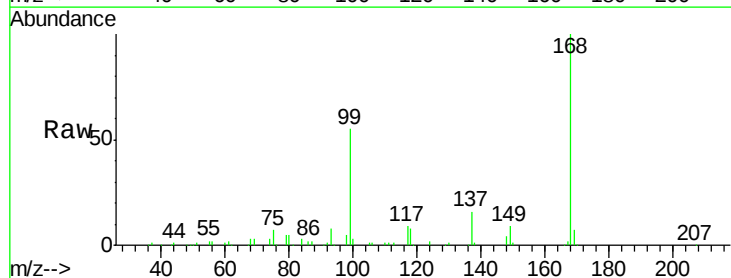
Instrument :
 MSVOA_N
 ClientSampleId :

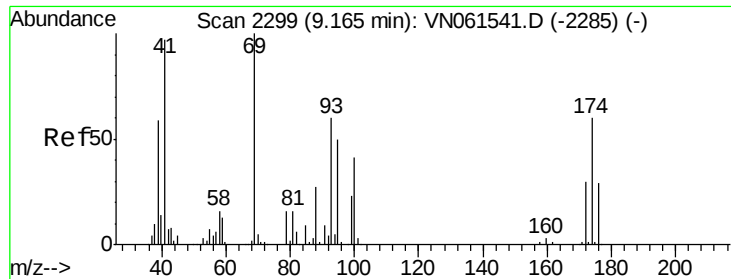
Tot Ion: 75 Resp: 21019
 Ion Ratio Lower Upper
 75 100
 110 3.1 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.623 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.12 min
 Lab File: VN061609.D
 Acq: 2 Jun 2020 10:25

Tgt Ion: 117 Resp: 28798
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.5 114.7#
 121 0.0 24.1 36.1#

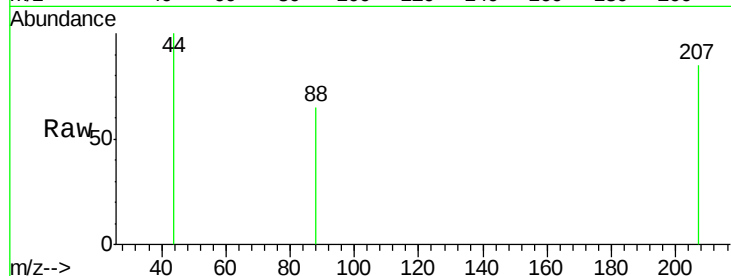




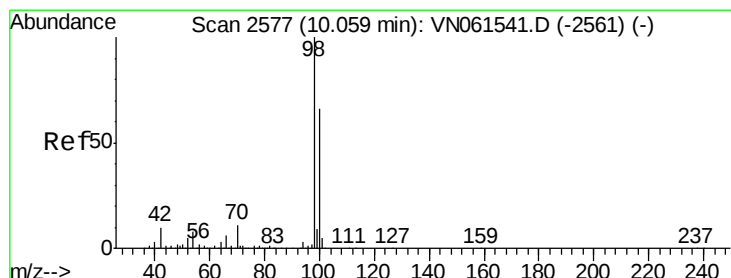
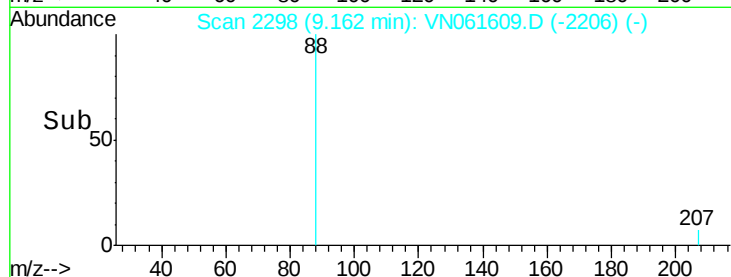
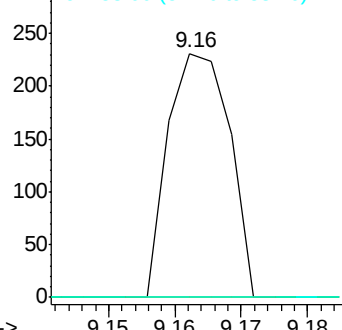
#49
 1,4-Dioxane
 Concen: 3.295 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061609.D
 Acq: 2 Jun 2020 10:25

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 150
 Ion Ratio Lower Upper
 88 100
 43 0.0 23.1 34.7#
 58 0.0 48.3 72.5#

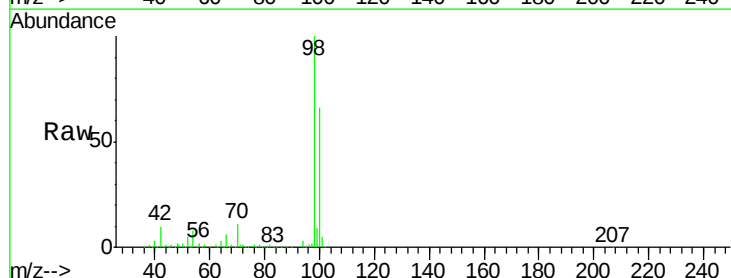


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

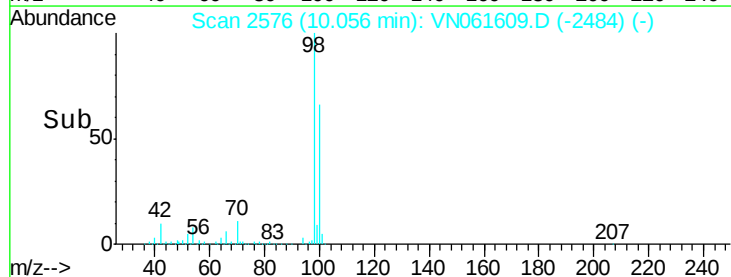
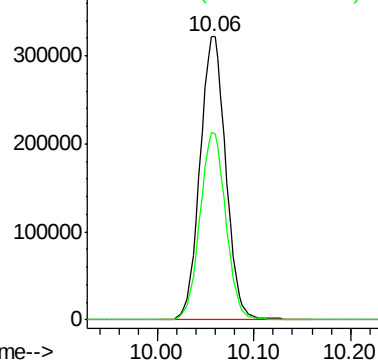


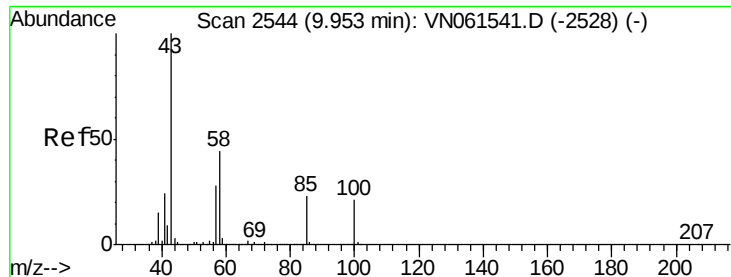
#50
 Toluene-d8
 Concen: 49.914 ug/l
 RT: 10.06 min Scan# 2576
 Delta R.T. -0.00 min
 Lab File: VN061609.D
 Acq: 2 Jun 2020 10:25

Tgt Ion: 98 Resp: 597508
 Ion Ratio Lower Upper
 98 100
 100 66.1 52.8 79.2



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

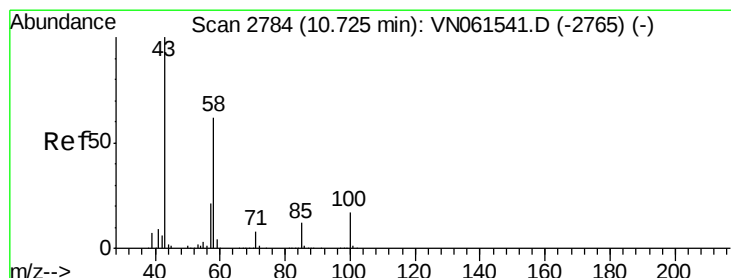
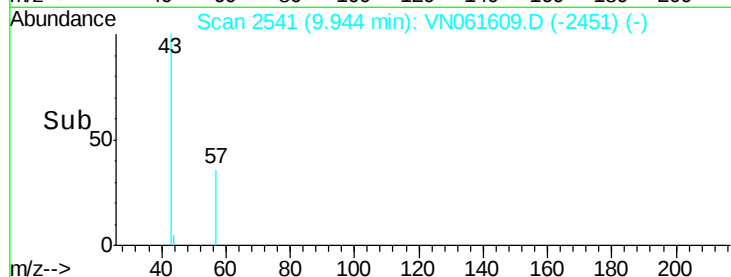
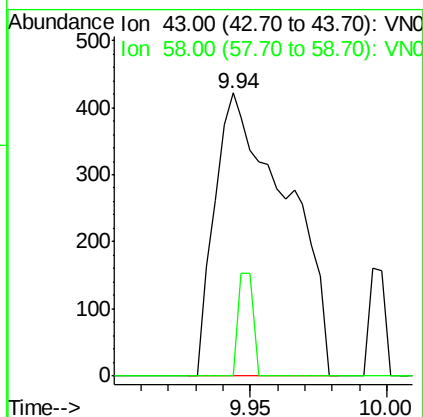
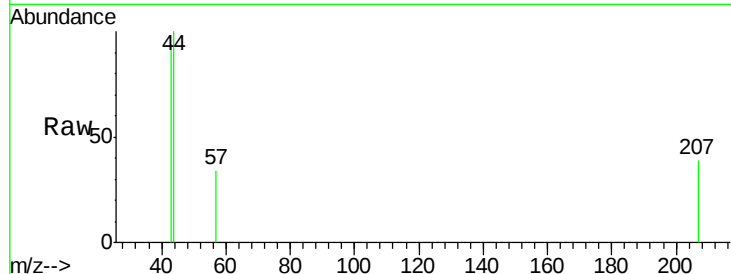




#51
4-Methyl-2-Pentanone
Concen: 0.210 ug/l
RT: 9.94 min Scan# 2541
Delta R.T. -0.01 min
Lab File: VN061609.D
Acq: 2 Jun 2020 10:25

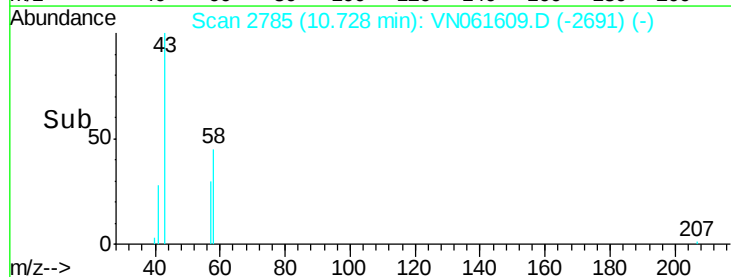
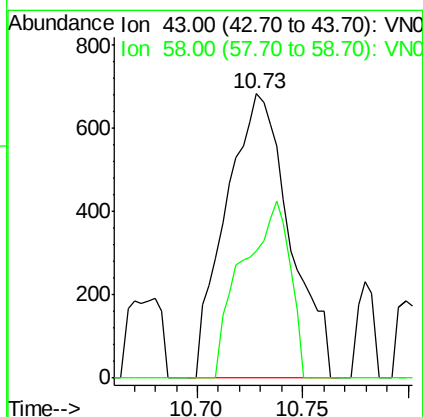
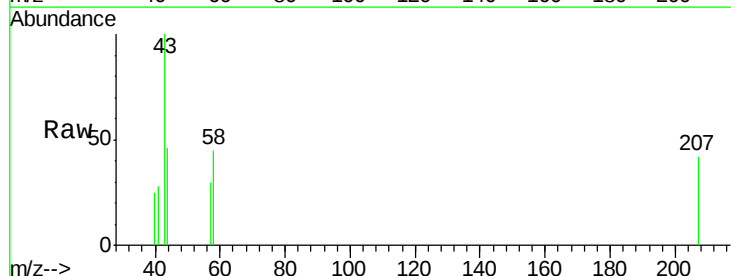
Instrument :
MSVOA_N
ClientSampled :

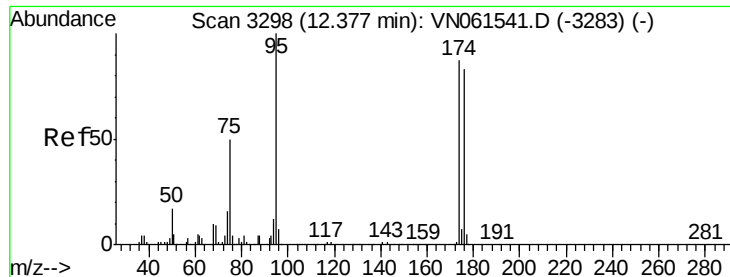
Tot Ion: 43 Resp: 772
Ion Ratio Lower Upper
43 100
58 0.0 35.0 52.6#



#59
2-Hexanone
Concen: 0.544 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.00 min
Lab File: VN061609.D
Acq: 2 Jun 2020 10:25

Tgt Ion: 43 Resp: 1437
Ion Ratio Lower Upper
43 100
58 45.9 30.7 92.1

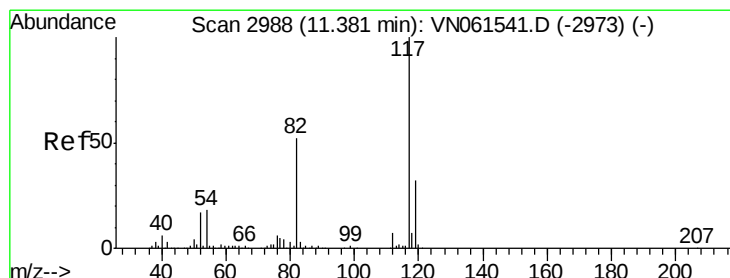
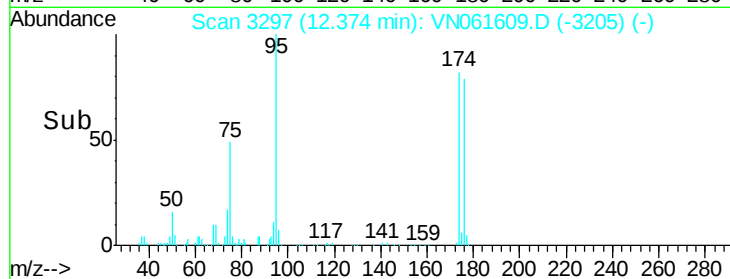
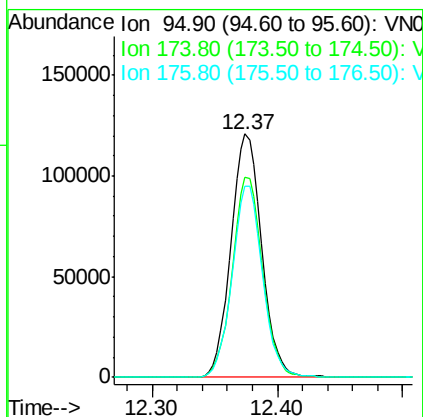
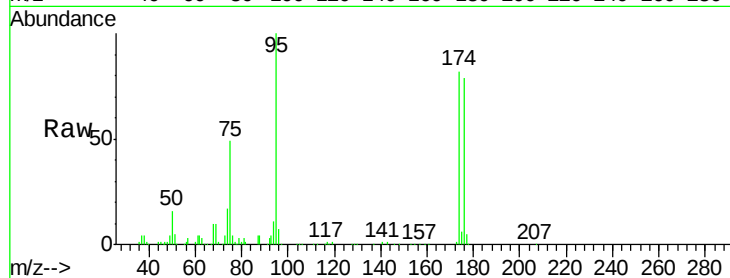




#62
4-Bromofluorobenzene
Concen: 47.144 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061609.D
Acq: 2 Jun 2020 10:25

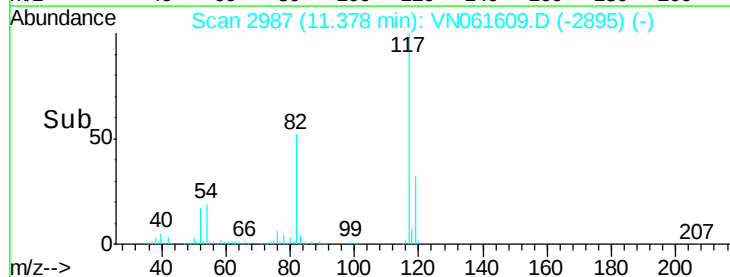
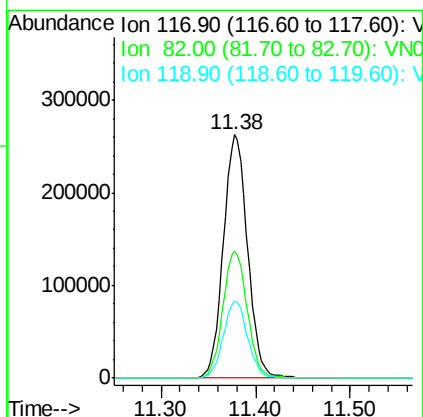
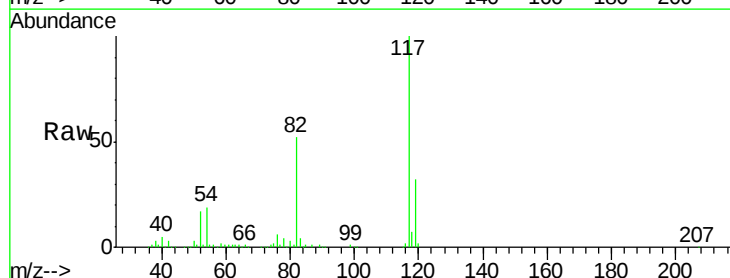
Instrument :
MSVOA_N
ClientSampleId :

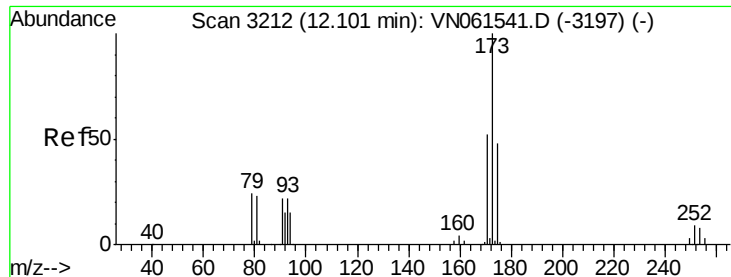
Tot Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	172.8
176	77.7	0.0	164.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061609.D
Acq: 2 Jun 2020 10:25

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.5	62.3
119	31.6	25.6	38.4





#71

Bromoform

Concen: 0.628 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN061609.D

Acq: 2 Jun 2020 10:25

Instrument :

MSVOA_N

ClientSampled :

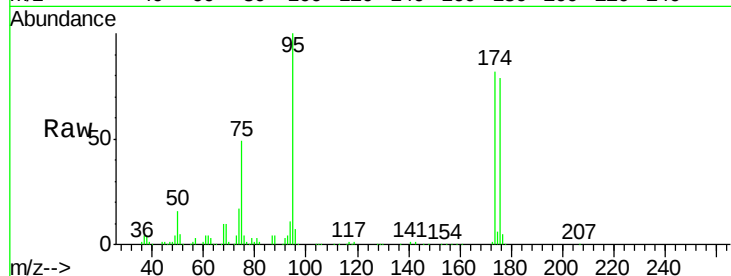
Tot Ion:173 Resp: 1745

Ion Ratio Lower Upper

173 100

175 620.2 24.4 73.2#

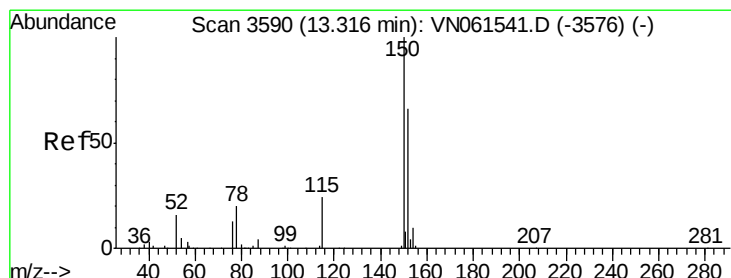
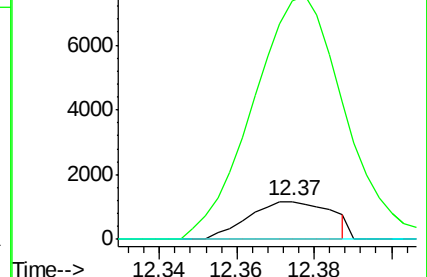
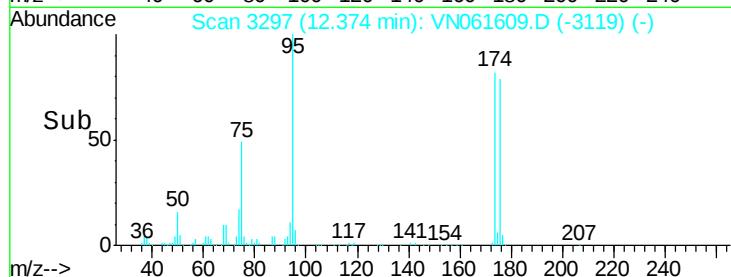
254 0.0 0.0 0.0



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: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061609.D

Acq: 2 Jun 2020 10:25

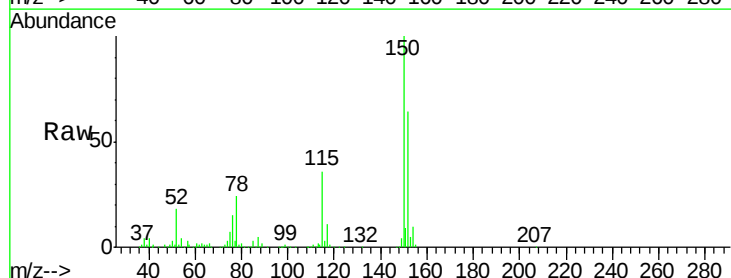
Tgt Ion:152 Resp: 187434

Ion Ratio Lower Upper

152 100

115 58.0 28.0 84.0

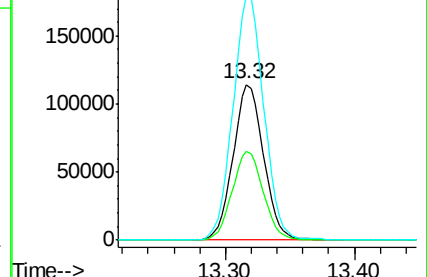
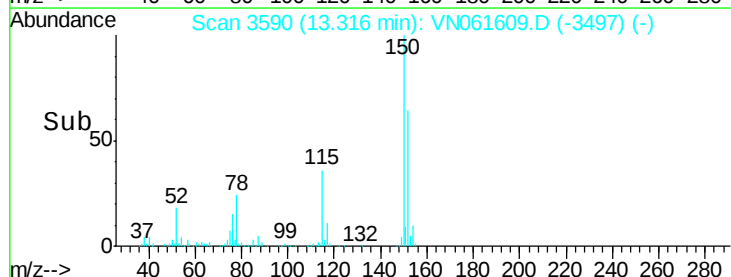
150 159.2 0.0 344.0

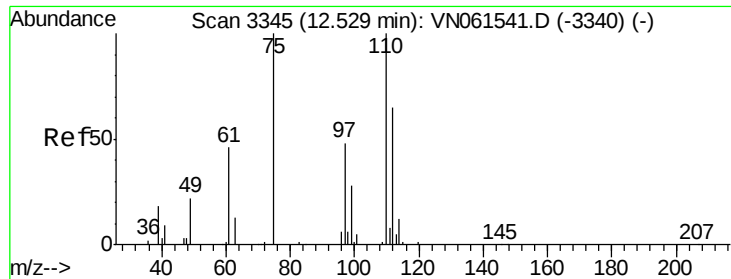


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.334 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061609.D

Acq: 2 Jun 2020 10:25

Instrument :

MSVOA_N

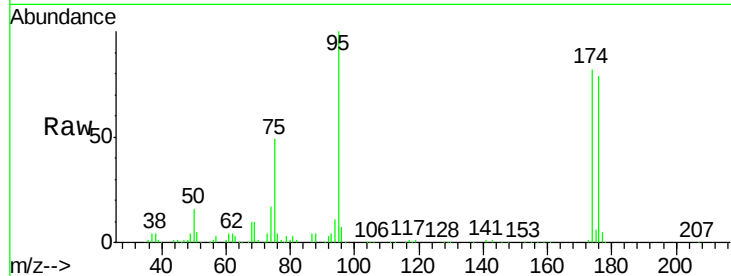
ClientSampleId :

Tot Ion: 75 Resp: 99977

Ion Ratio Lower Upper

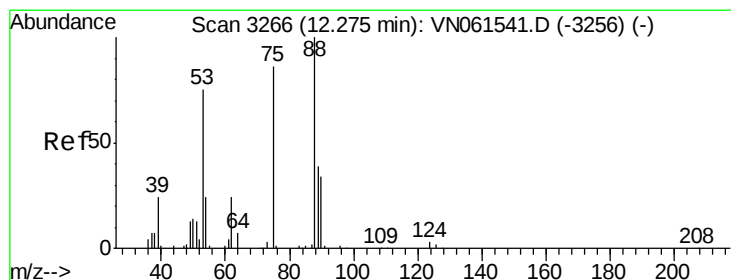
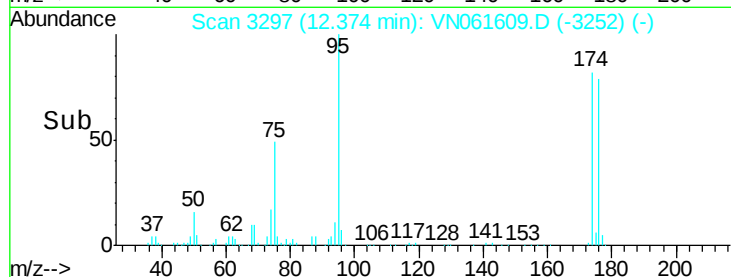
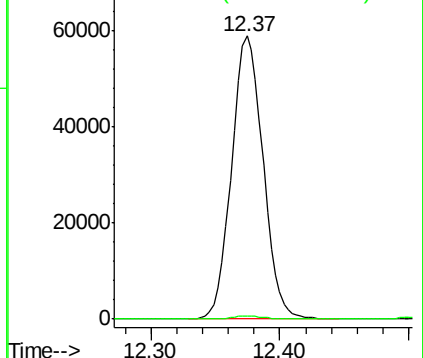
75 100

77 1.0 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: 75.014 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061609.D

Acq: 2 Jun 2020 10:25

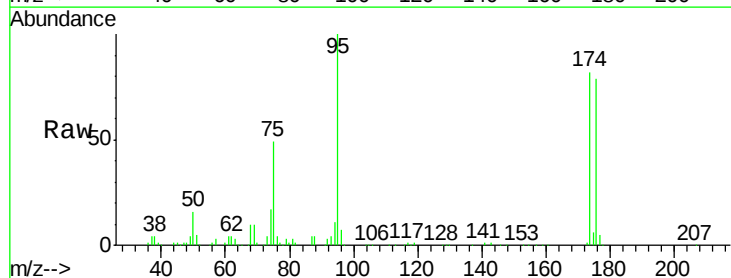
Tgt Ion: 75 Resp: 99977

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

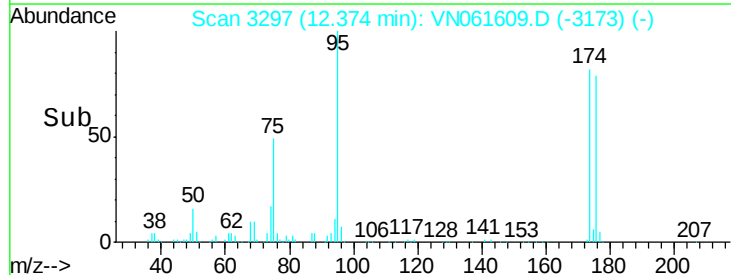
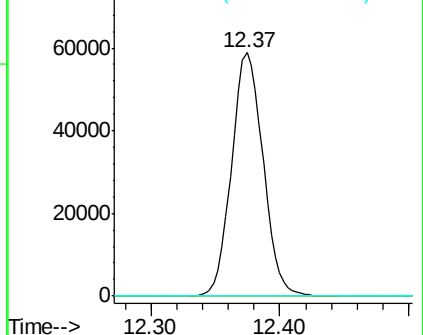
89 0.0 37.1 55.7#

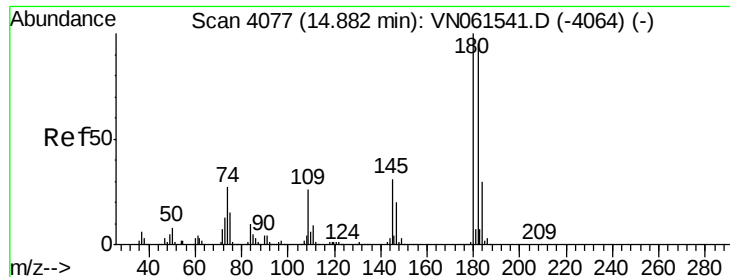


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

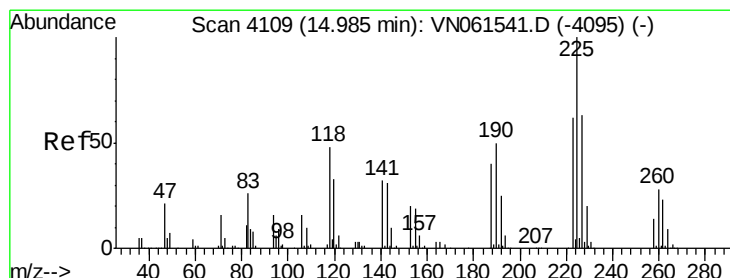
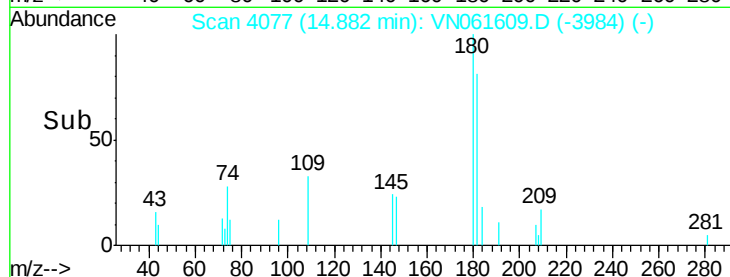
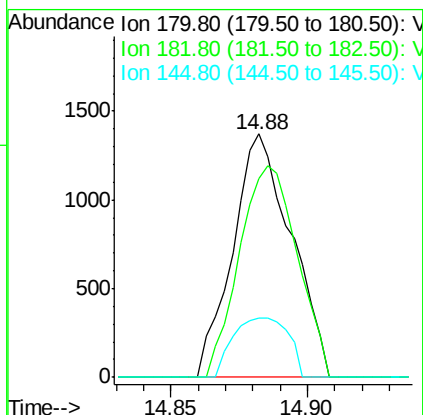
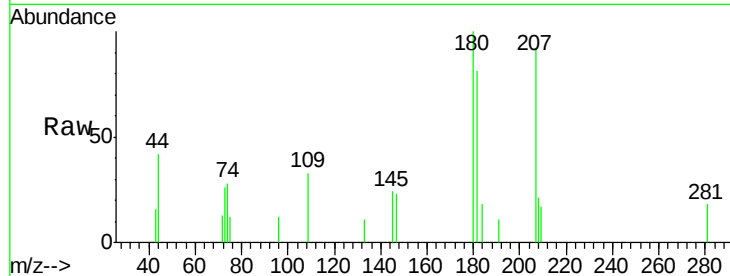




#93
 1,2,4-Trichlorobenzene
 Concen: 0.591 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061609.D
 Acq: 2 Jun 2020 10:25

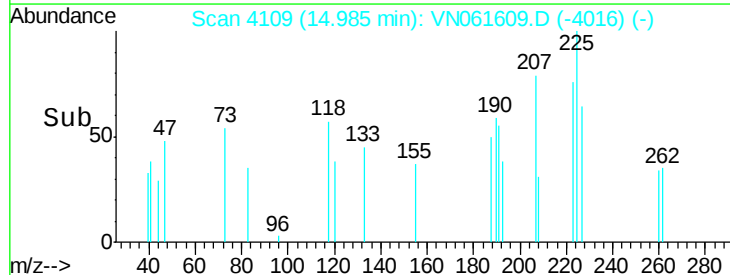
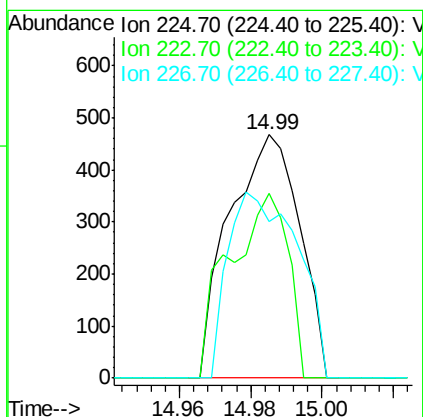
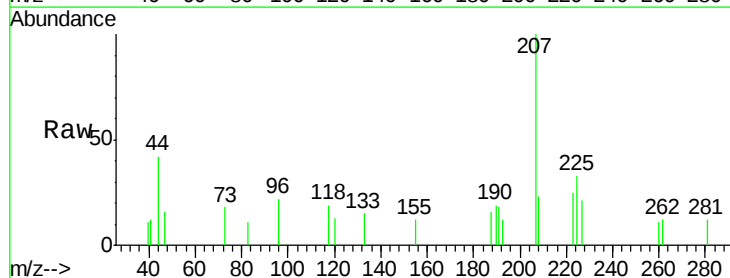
Instrument :
 MSVOA_N
 ClientSampleId :

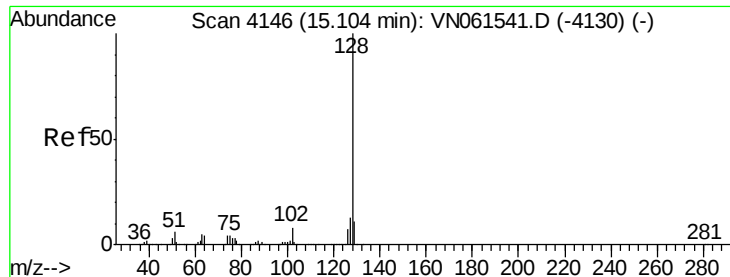
Tot Ion:180 Resp: 2042
 Ion Ratio Lower Upper
 180 100
 182 86.0 47.8 143.3
 145 23.1 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 0.431 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061609.D
 Acq: 2 Jun 2020 10:25

Tgt Ion:225 Resp: 635
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.9 95.5
 227 76.1 31.9 95.9





#95

Naphthalene

Concen: 0.798 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061609.D

Acq: 2 Jun 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

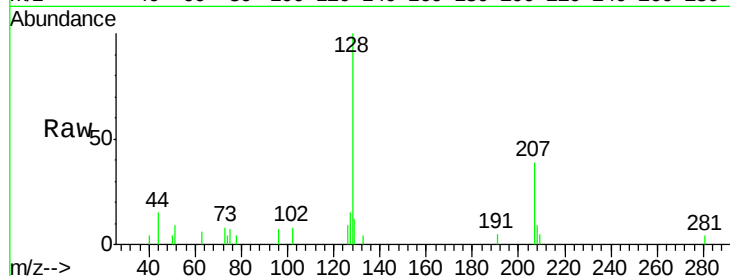
Tot Ion:128 Resp: 8398

Ion Ratio Lower Upper

128 100

127 14.6 10.0 15.0

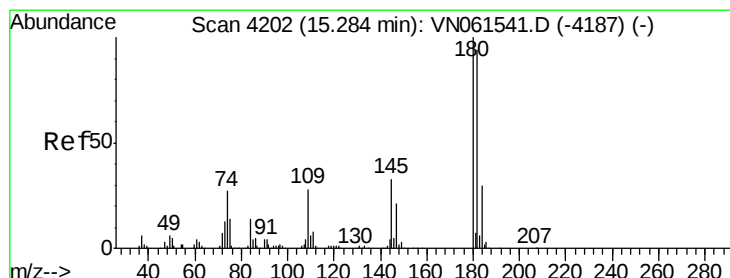
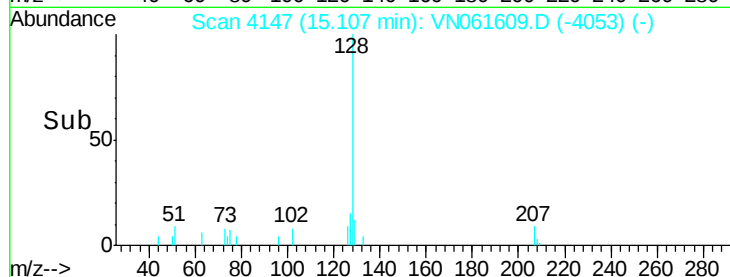
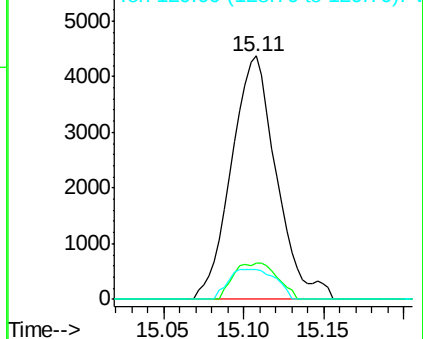
129 12.8 8.5 12.7#



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: 0.772 ug/l

RT: 15.28 min Scan# 4201

Delta R.T. -0.00 min

Lab File: VN061609.D

Acq: 2 Jun 2020 10:25

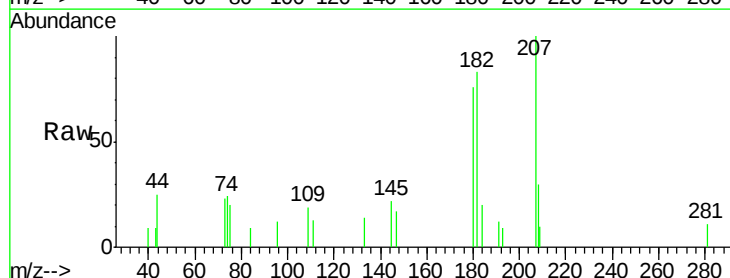
Tgt Ion:180 Resp: 2622

Ion Ratio Lower Upper

180 100

182 94.1 47.1 141.3

145 14.2 16.3 48.9#



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

