

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051820\
 Data File : VN061434.D
 Acq On : 18 May 2020 15:04
 Operator : JC/MD
 Sample : VN0518MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 18:05:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	264450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	493720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	477436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	188361	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	194109	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
35) Dibromofluoromethane	7.55	113	138356	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
50) Toluene-d8	10.06	98	628049	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
62) 4-Bromofluorobenzene	12.37	95	230513	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	

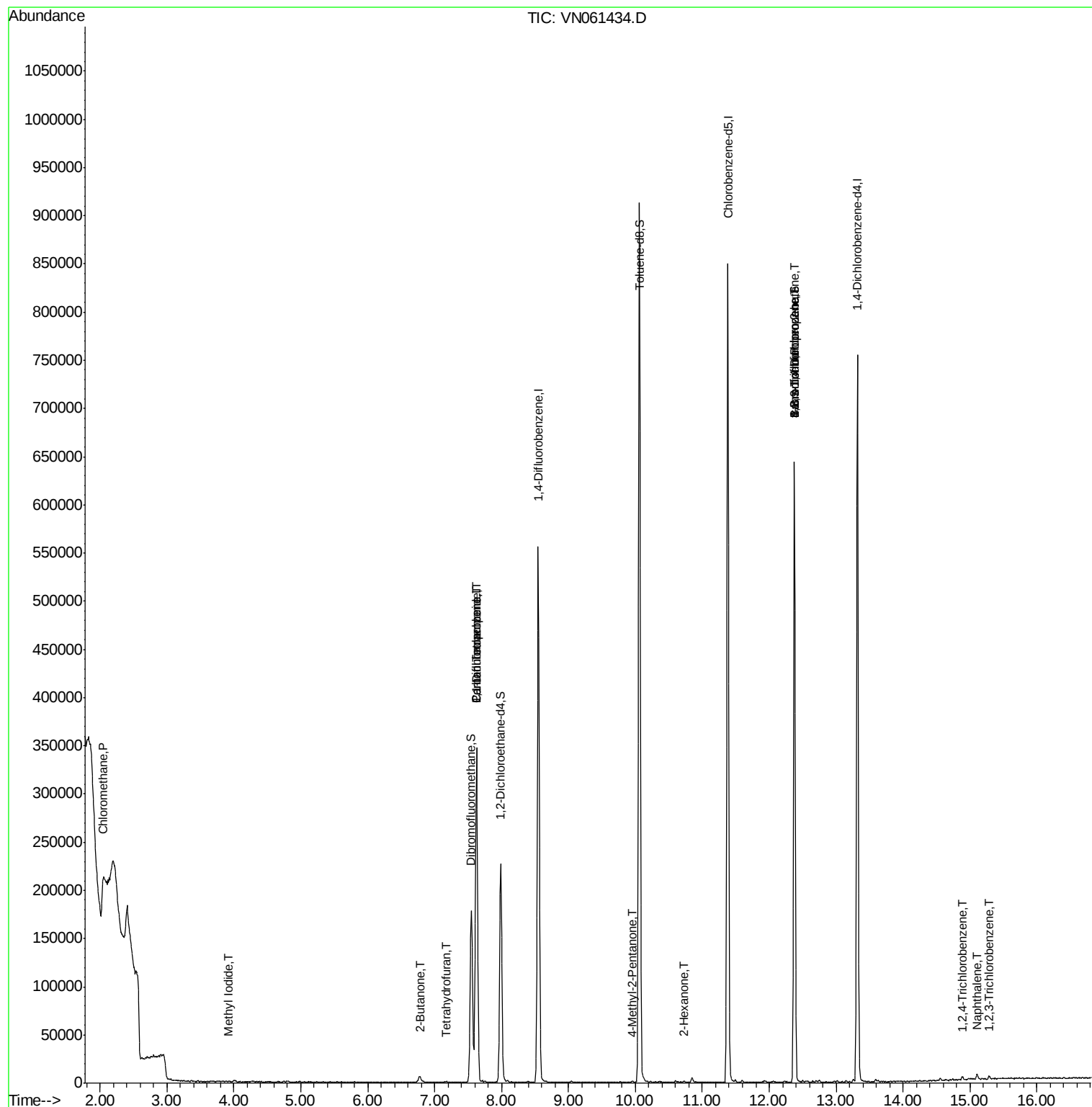
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1425	0.397	ug/l	93
5) Bromomethane	2.54	94	1368	Below Cal	#	21
10) Methyl Iodide	3.91	142	1120	0.356	ug/l #	69
13) Acrolein	3.57	56	107	Below Cal	#	51
16) Acetone	3.77	43	470	Below Cal	#	80
17) Carbon Disulfide	4.01	76	2503	Below Cal	#	75
18) Methyl Acetate	4.27	43	135	Below Cal	#	49
25) 2-Butanone	6.80	43	446	0.248	ug/l #	46
29) Tetrahydrofuran	7.18	42	314	0.264	ug/l #	29
31) Cyclohexane	7.62	56	6763	Below Cal	#	13
36) 1,1-Dichloropropene	7.63	75	23632	5.119	ug/l #	50
38) Carbon Tetrachloride	7.63	117	28853	6.788	ug/l #	16
49) 1,4-Dioxane	9.17	88	167	Below Cal	#	40
51) 4-Methyl-2-Pentanone	9.95	43	861	0.216	ug/l #	34
59) 2-Hexanone	10.73	43	1293	0.449	ug/l #	43
71) Bromoform	12.37	173	1229	2.455	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	121407	30.038	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	121407	79.685	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.89	180	1094	0.350	ug/l	84
95) Naphthalene	15.11	128	4839	0.487	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.28	180	1073	0.345	ug/l	97

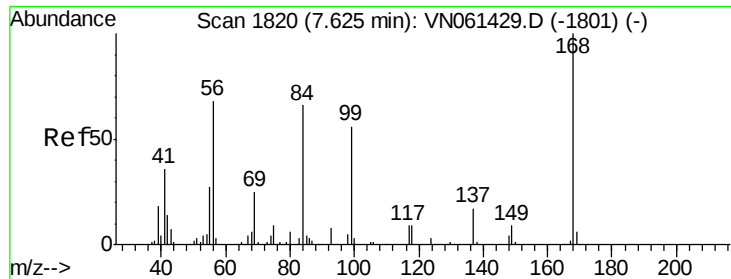
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN051820\
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Acq On : 18 May 2020 15:04
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Instrument :
MSVOA_N
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Quant Time: May 18 18:05:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

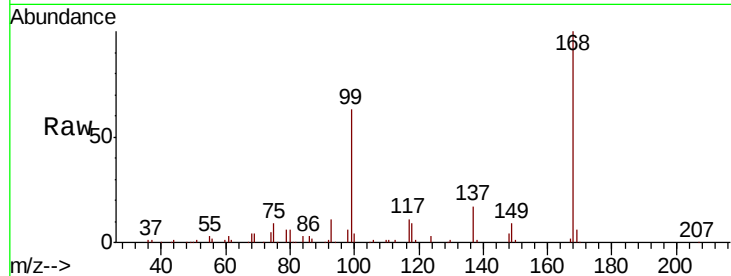
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 264450

Ion Ratio Lower Upper

168 100

99 62.9 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

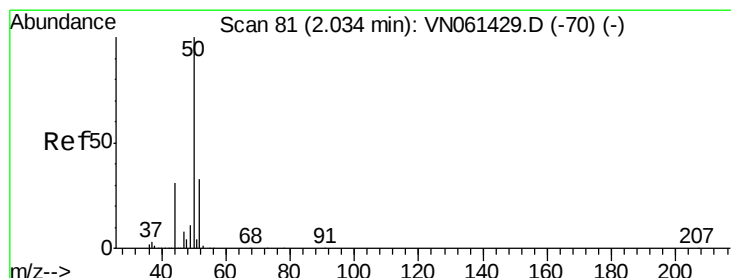
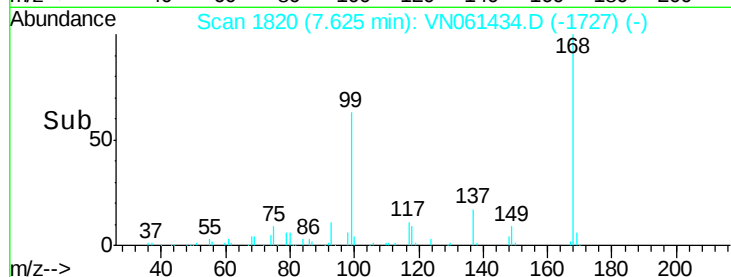
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.397 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061434.D

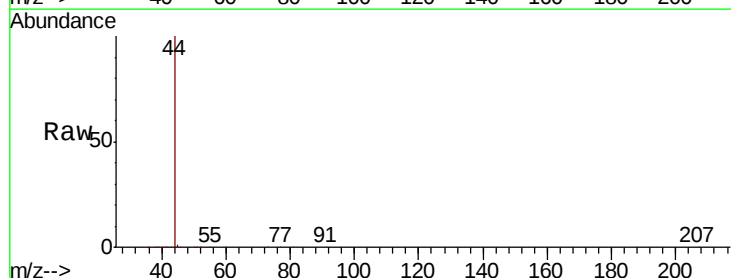
Acq: 18 May 2020 15:04

Tgt Ion: 50 Resp: 1425

Ion Ratio Lower Upper

50 100

52 37.3 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

1000

800

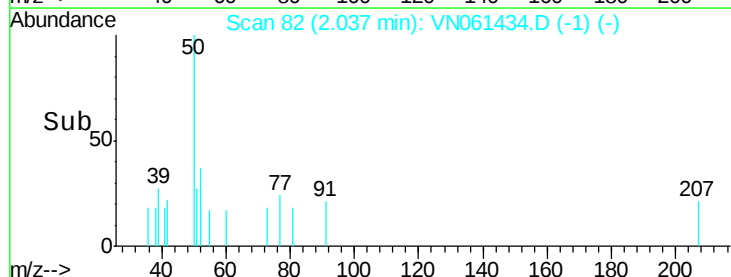
600

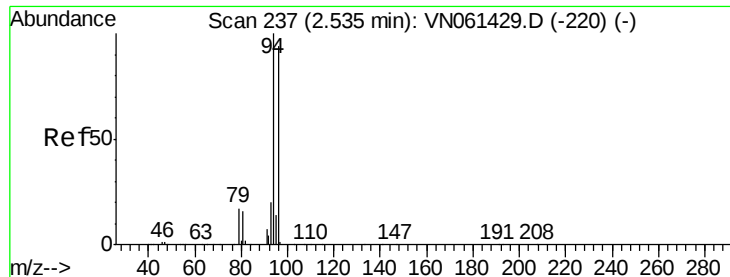
400

200

0

Time--> 2.00 2.02 2.04 2.06 2.08





#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

Instrument :

MSVOA_N

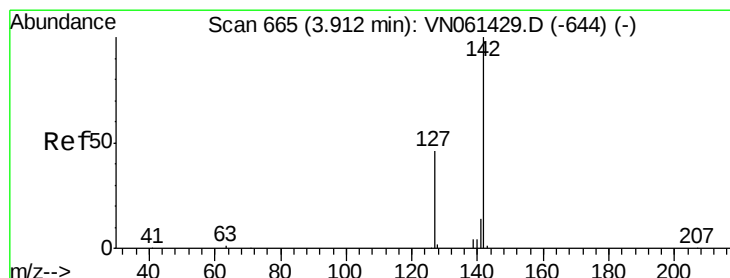
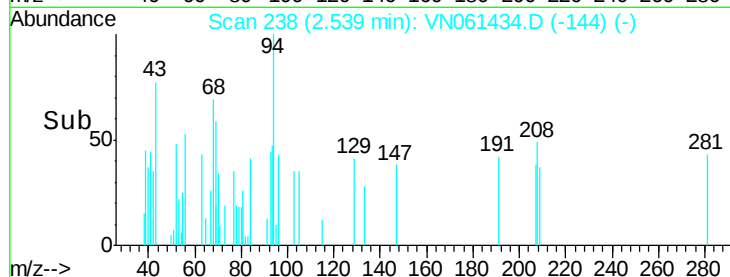
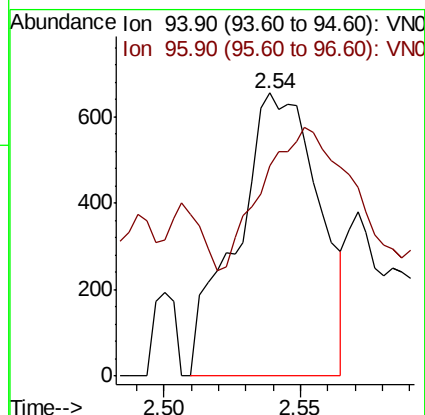
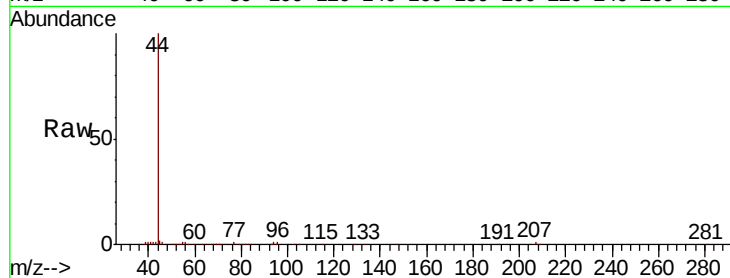
ClientSampled :

Tot Ion: 94 Resp: 1368

Ion Ratio Lower Upper

94 100

96 17.6 74.9 112.3#



#10

Methyl Iodide

Concen: 0.356 ug/l

RT: 3.91 min Scan# 666

Delta R.T. 0.00 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

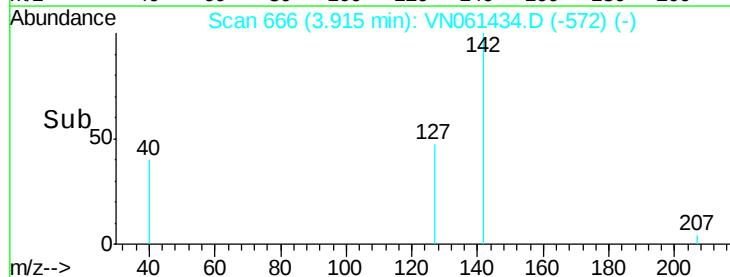
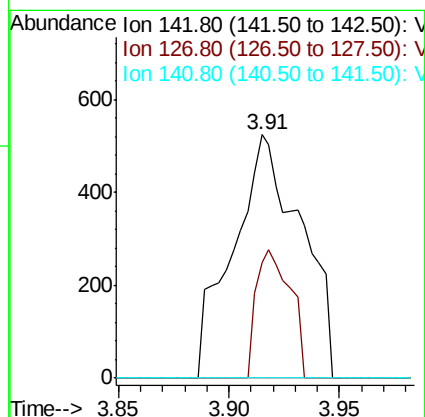
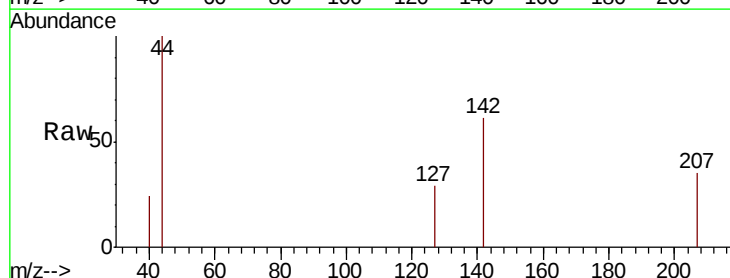
Tgt Ion: 142 Resp: 1120

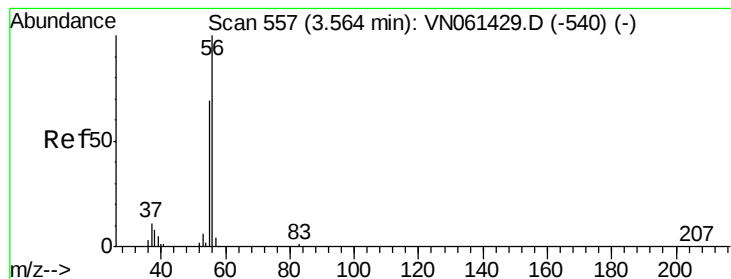
Ion Ratio Lower Upper

142 100

127 26.3 36.7 55.1#

141 0.0 11.5 17.3#





#13

Acrolein

Concen: Below Cal

RT: 3.57 min Scan# 560

Delta R.T. 0.01 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

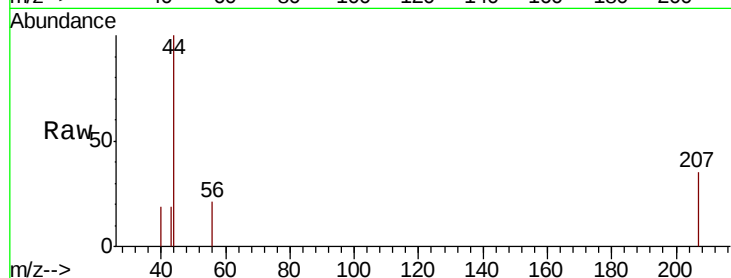
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 107

Ion Ratio Lower Upper

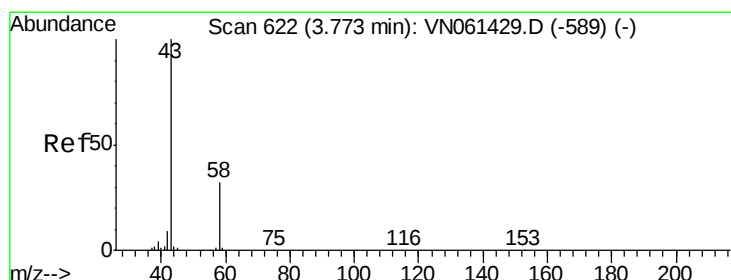
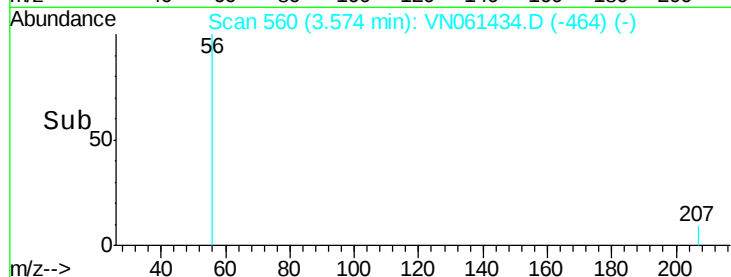
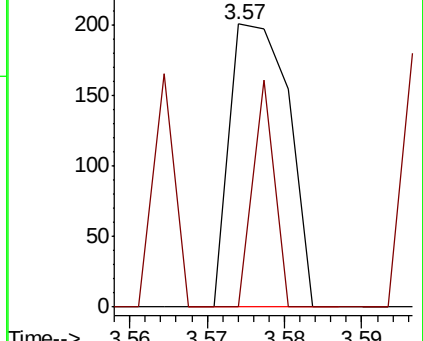
56 100

55 29.0 54.8 82.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: Below Cal

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061434.D

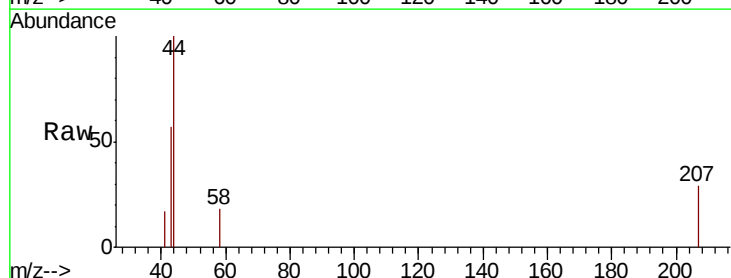
Acq: 18 May 2020 15:04

Tgt Ion: 43 Resp: 470

Ion Ratio Lower Upper

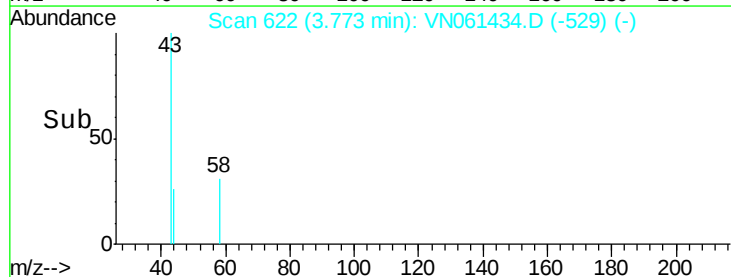
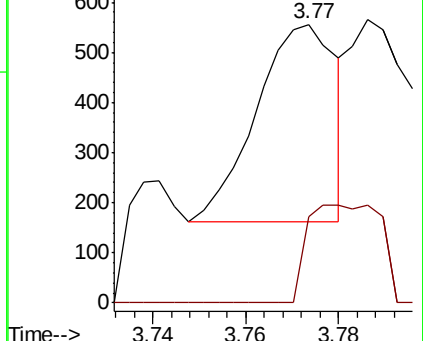
43 100

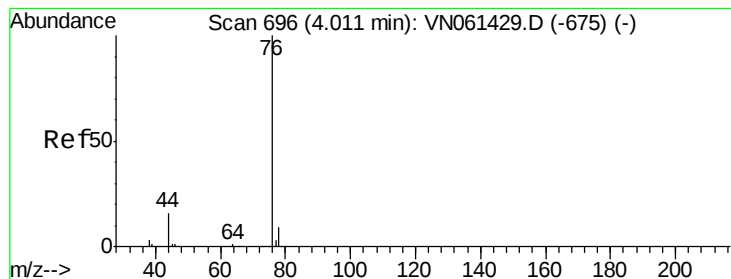
58 43.4 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

Instrument :

MSVOA_N

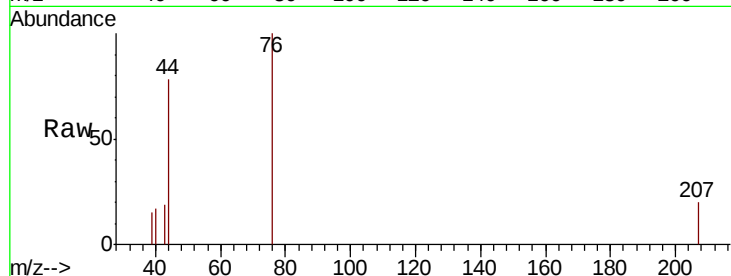
ClientSampled :

Tot Ion: 76 Resp: 2503

Ion Ratio Lower Upper

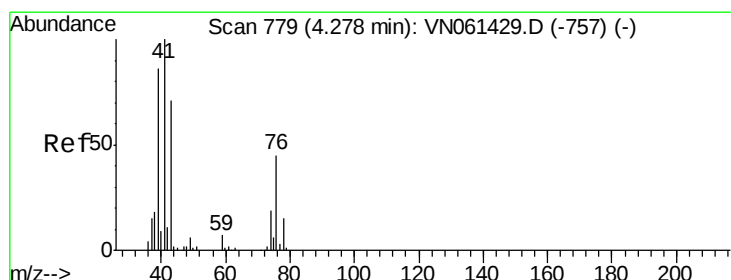
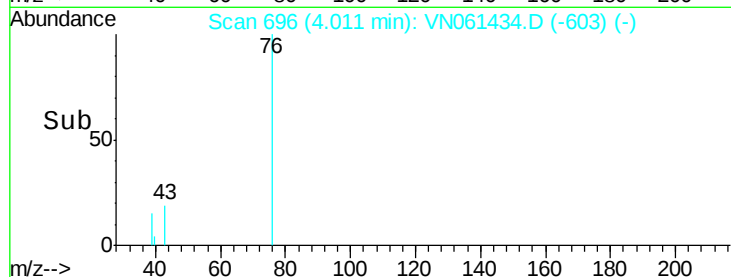
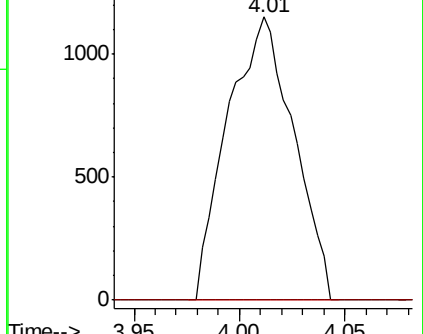
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN061434.D

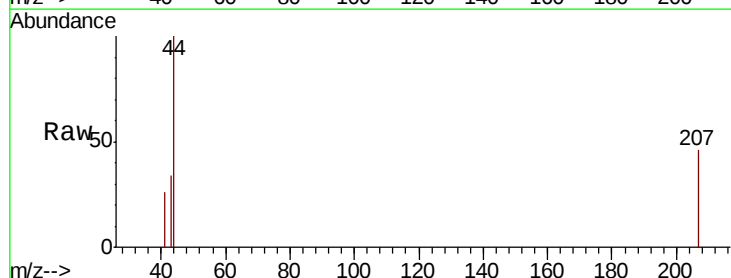
Acq: 18 May 2020 15:04

Tgt Ion: 43 Resp: 135

Ion Ratio Lower Upper

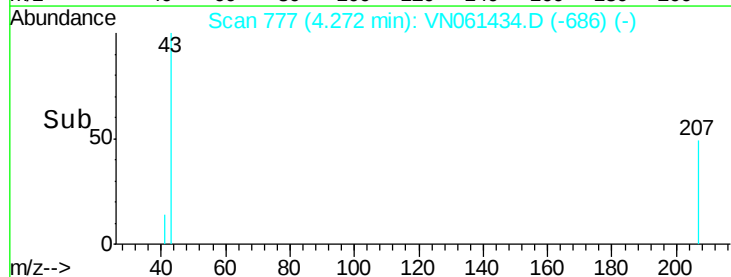
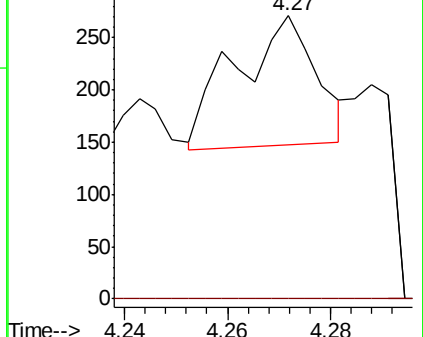
43 100

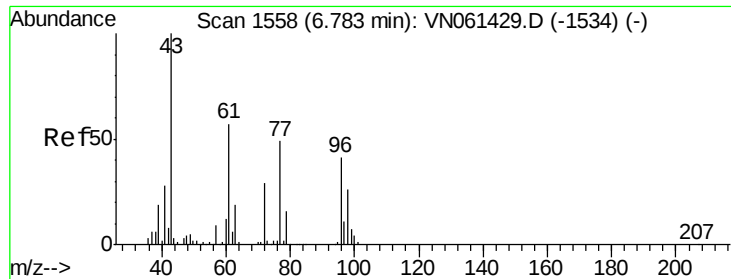
74 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#25

2-Butanone

Concen: 0.248 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

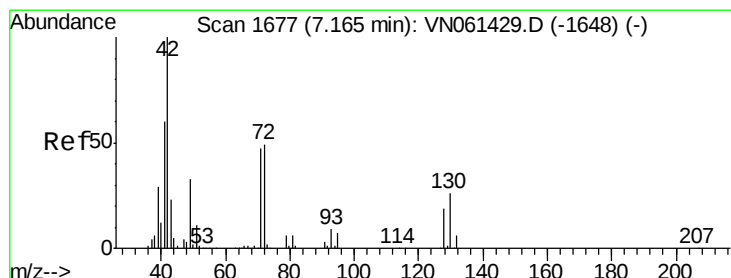
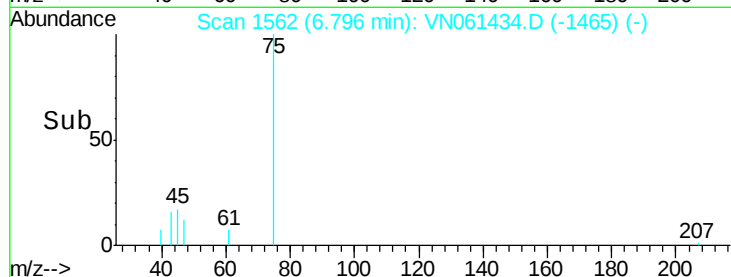
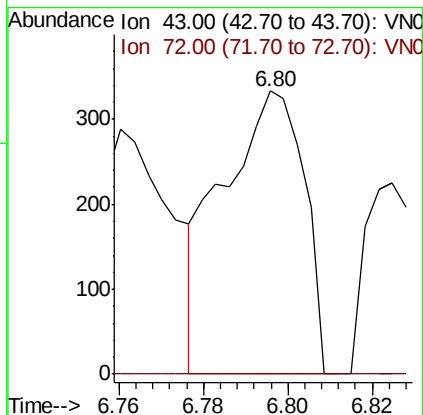
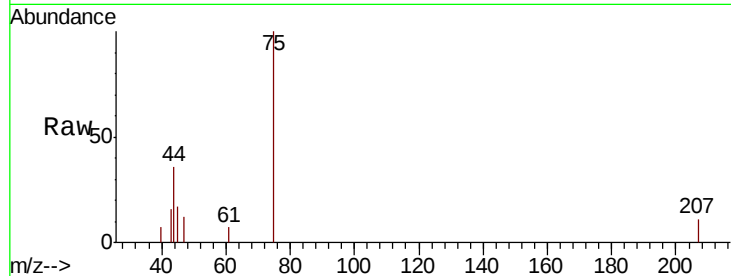
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 446

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#



#29

Tetrahydrofuran

Concen: 0.264 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.02 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

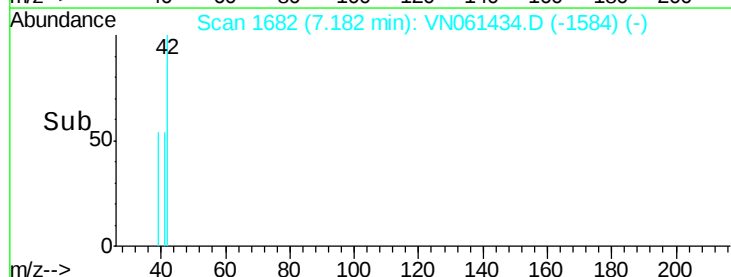
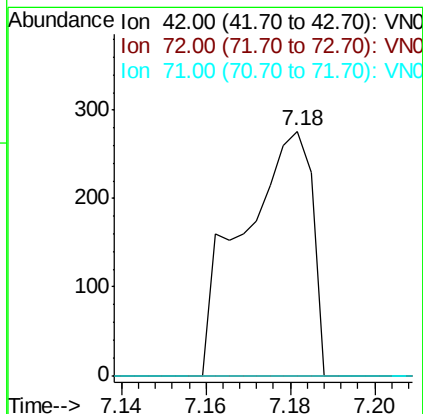
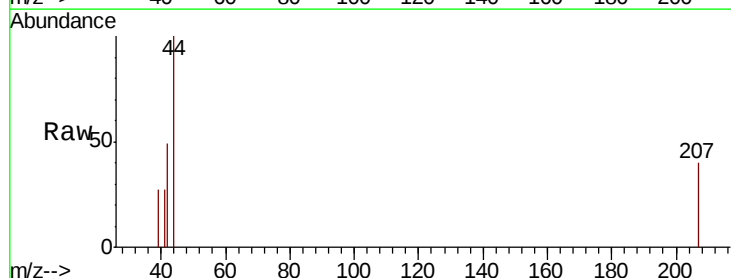
Tgt Ion: 42 Resp: 314

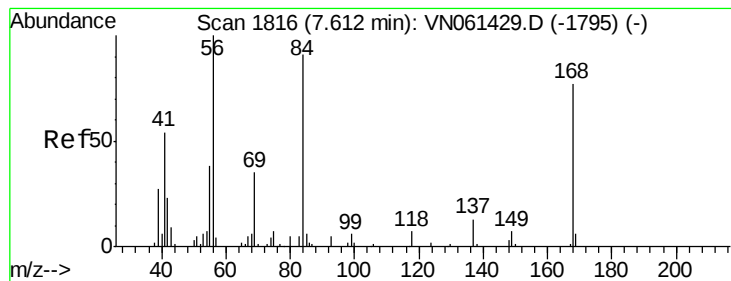
Ion Ratio Lower Upper

42 100

72 0.0 39.0 58.6#

71 0.0 36.9 55.3#





#31

Cyclohexane

Concen: Below Cal

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

Instrument :
MSVOA_N
ClientSampled :

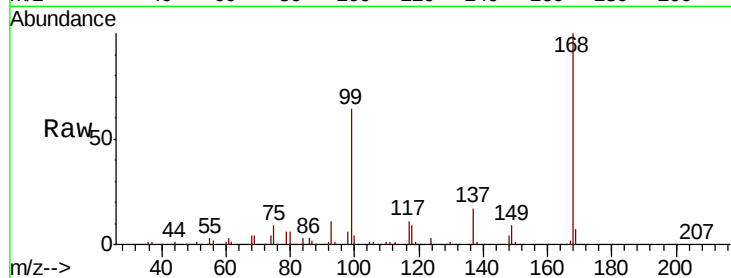
Tot Ion: 56 Resp: 6763

Ion Ratio Lower Upper

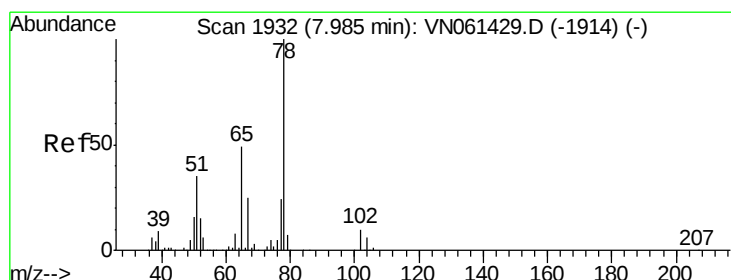
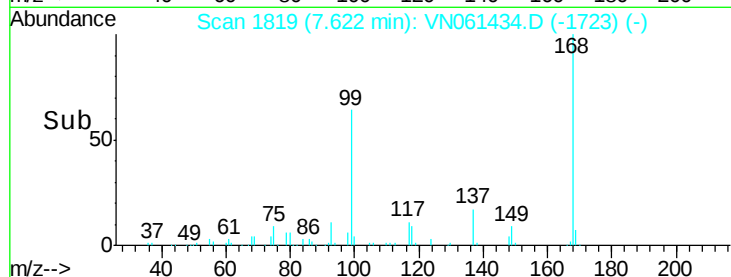
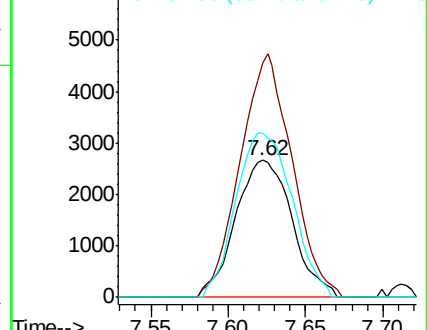
56 100

69 170.7 27.8 41.6#

84 120.2 72.7 109.1#



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



#33

1,2-Dichloroethane-d4

Concen: 49.181 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VN061434.D

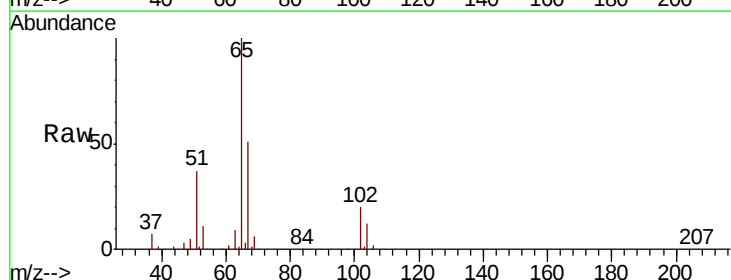
Acq: 18 May 2020 15:04

Tgt Ion: 65 Resp: 194109

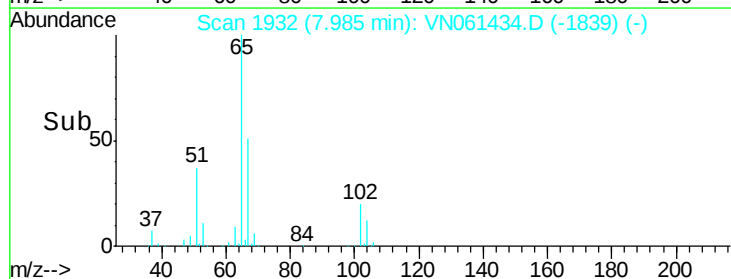
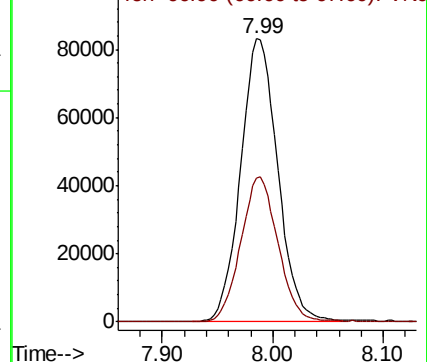
Ion Ratio Lower Upper

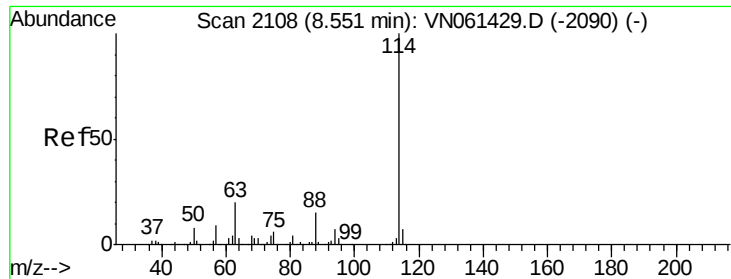
65 100

67 51.3 0.0 101.4



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

Instrument :
MSVOA_N
ClientSampleId :

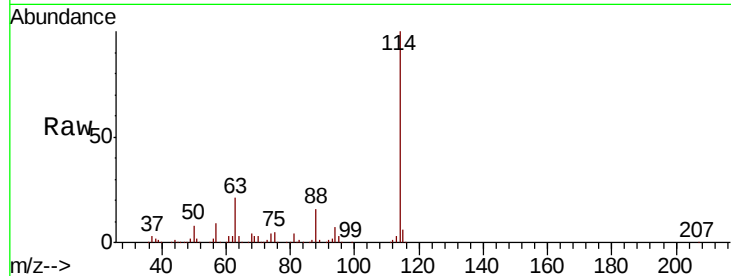
Tot Ion:114 Resp: 493720

Ion Ratio Lower Upper

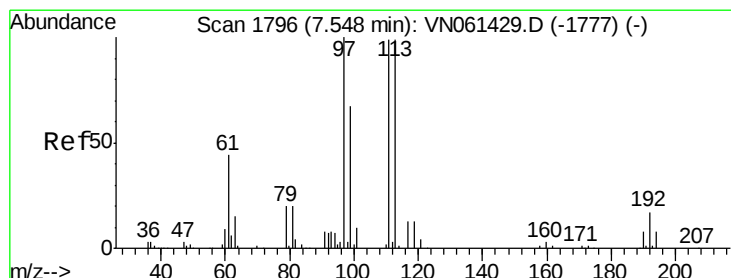
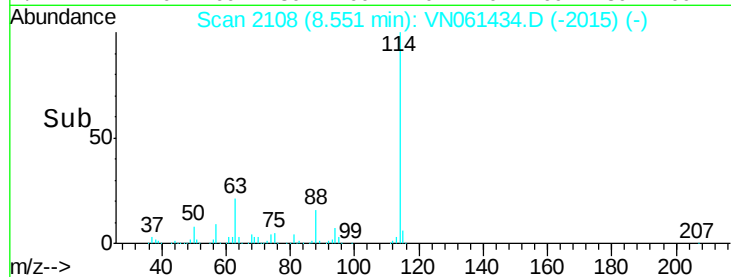
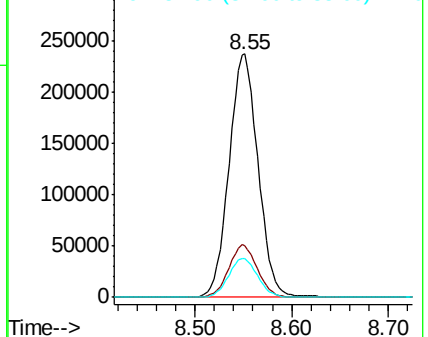
114 100

63 21.3 0.0 40.8

88 15.8 0.0 30.8



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



#35

Dibromofluoromethane

Concen: 53.492 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

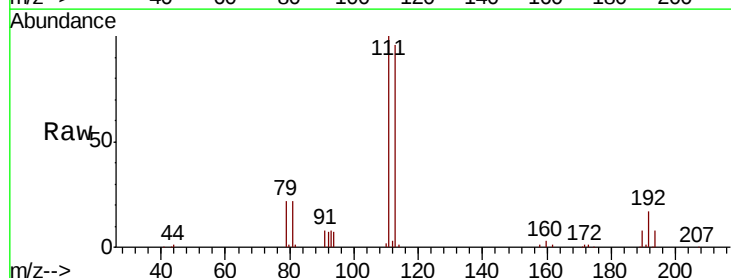
Tgt Ion:113 Resp: 138356

Ion Ratio Lower Upper

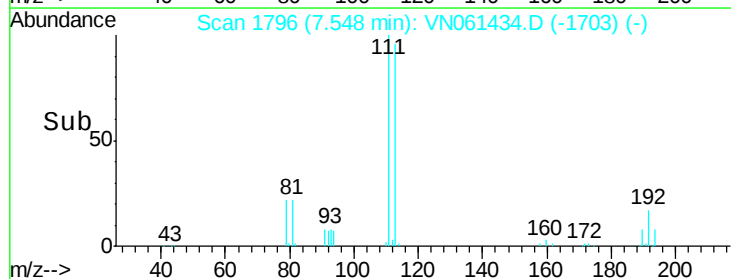
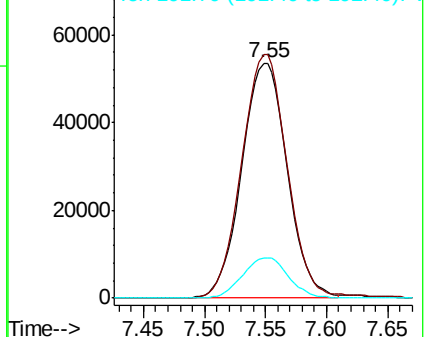
113 100

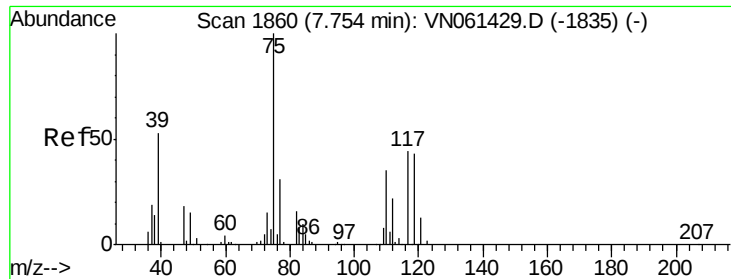
111 103.6 80.6 121.0

192 17.4 13.2 19.8



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

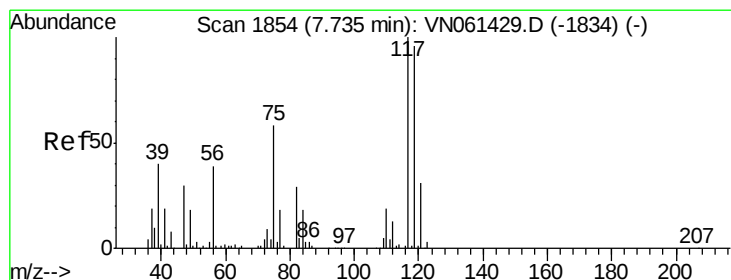
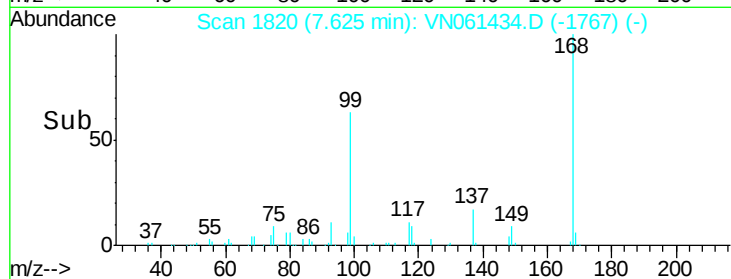
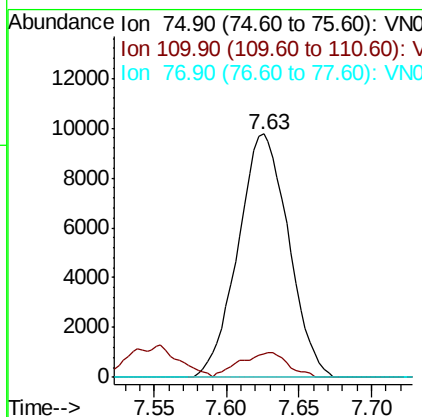
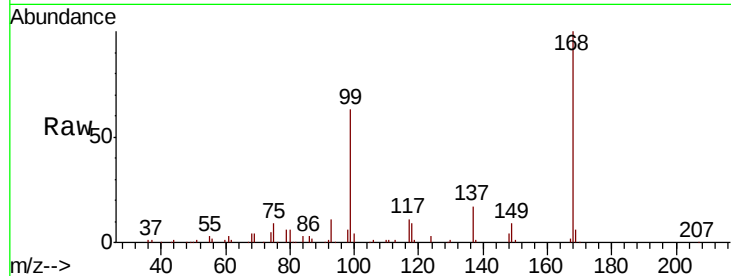




#36
 1,1-Dichloropropene
 Concen: 5.119 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061434.D
 Acq: 18 May 2020 15:04

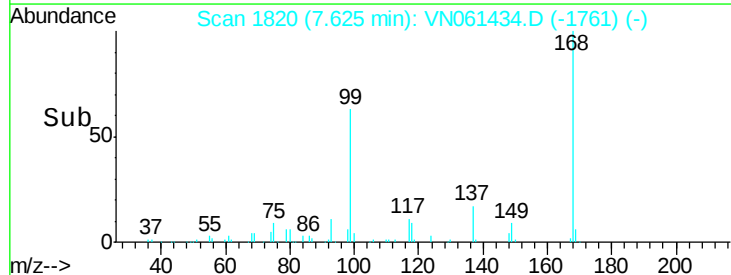
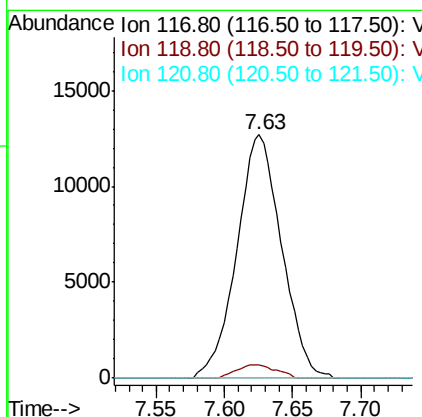
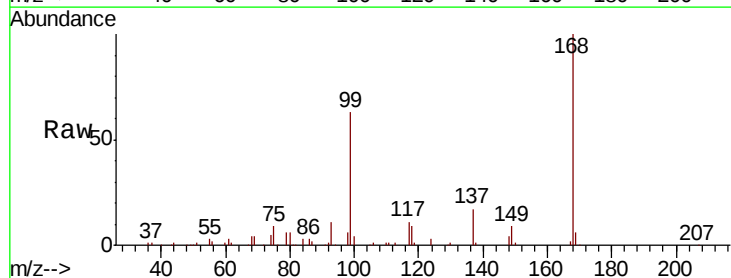
Instrument :
 MSVOA_N
 ClientSampleId :

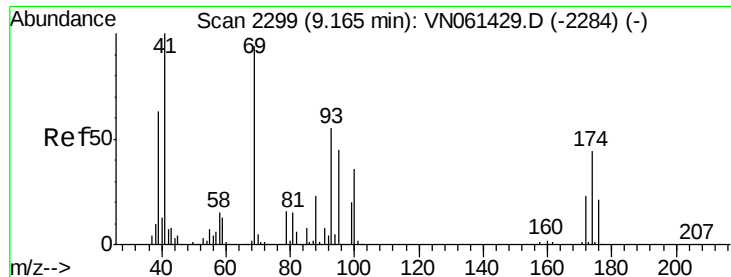
Tot Ion	75	Resp	23632
Ion Ratio	Lower	Upper	
75	100		
110	9.6	17.3	51.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.788 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061434.D
 Acq: 18 May 2020 15:04

Tgt Ion	117	Resp	28853
Ion Ratio	Lower	Upper	
117	100		
119	5.6	77.0	115.6#
121	0.0	24.7	37.1#

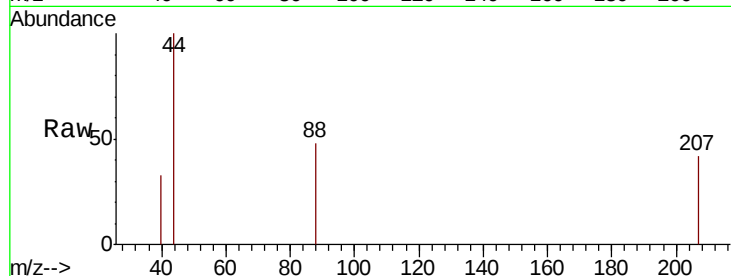




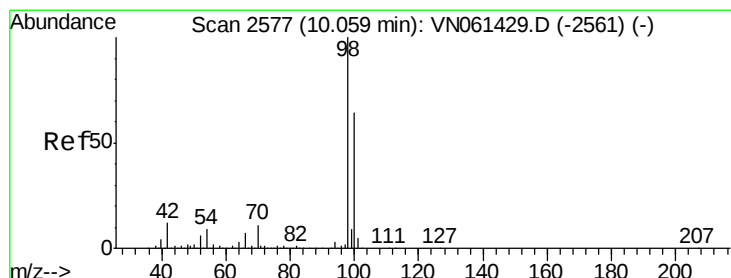
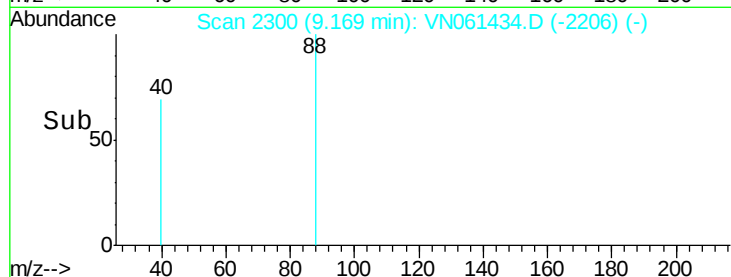
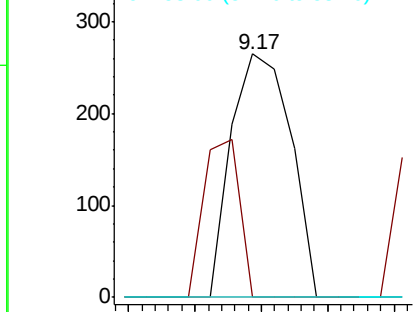
#49
1,4-Dioxane
Concen: Below Cal
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061434.D
Acq: 18 May 2020 15:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 167
Ion Ratio Lower Upper
88 100
43 38.3 26.3 39.5
58 0.0 54.1 81.1#

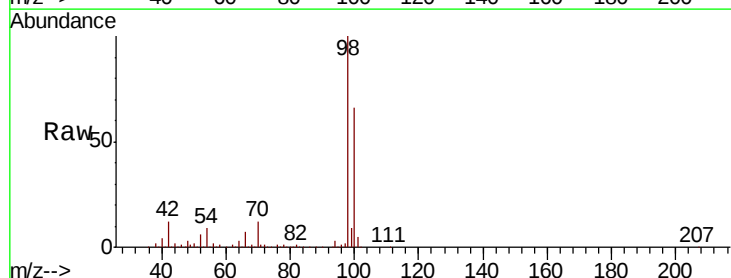


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

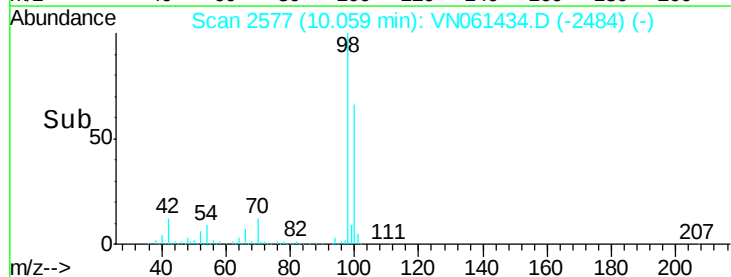
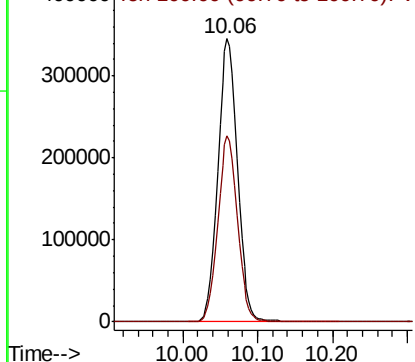


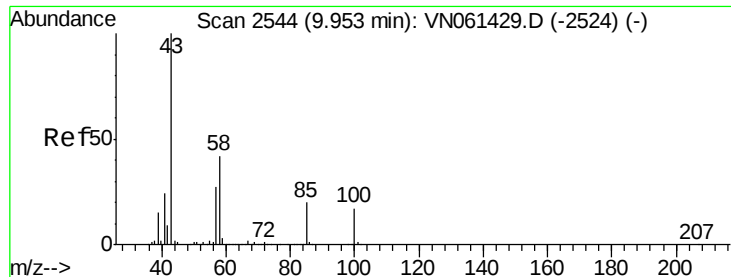
#50
Toluene-d8
Concen: 52.352 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061434.D
Acq: 18 May 2020 15:04

Tgt Ion: 98 Resp: 628049
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.8



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: 0.216 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

Instrument :

MSVOA_N

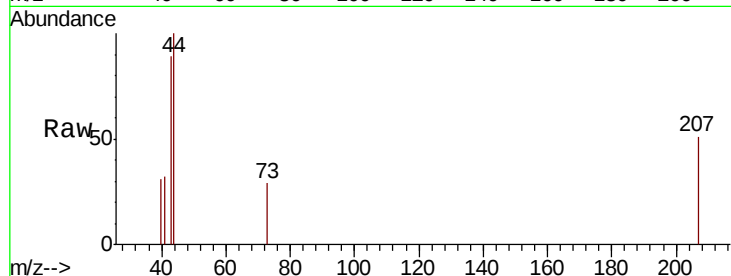
ClientSampled :

Tot Ion: 43 Resp: 861

Ion Ratio Lower Upper

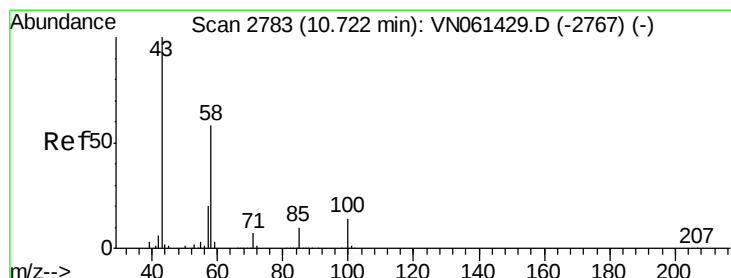
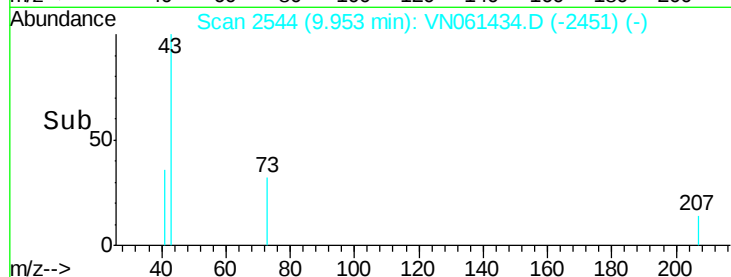
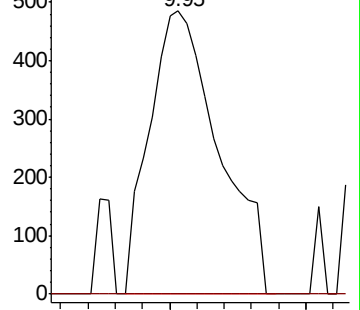
43 100

58 0.0 33.4 50.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 0.449 ug/l

RT: 10.73 min Scan# 2786

Delta R.T. 0.01 min

Lab File: VN061434.D

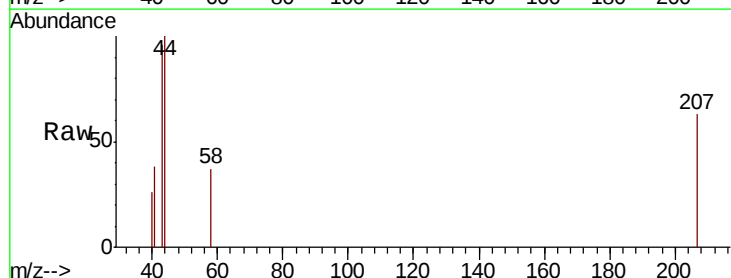
Acq: 18 May 2020 15:04

Tgt Ion: 43 Resp: 1293

Ion Ratio Lower Upper

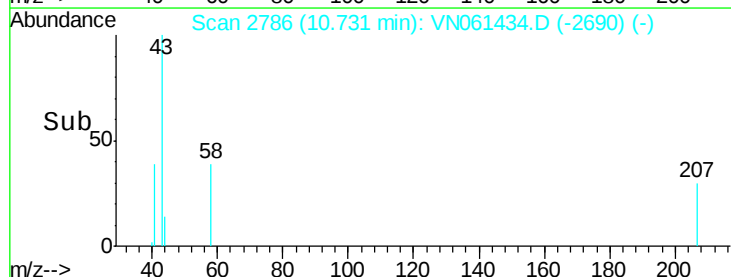
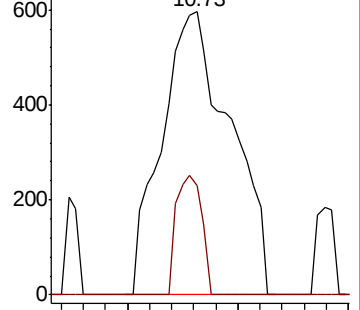
43 100

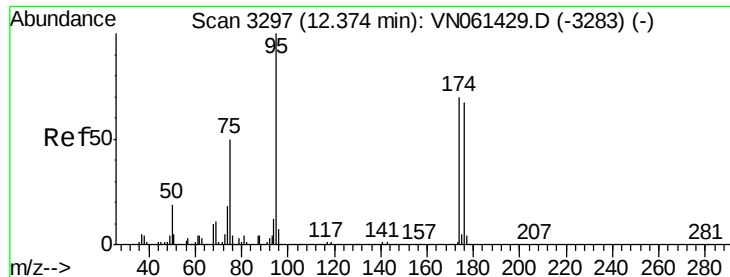
58 15.8 29.2 87.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 51.430 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

Instrument :

MSVOA_N

ClientSampled :

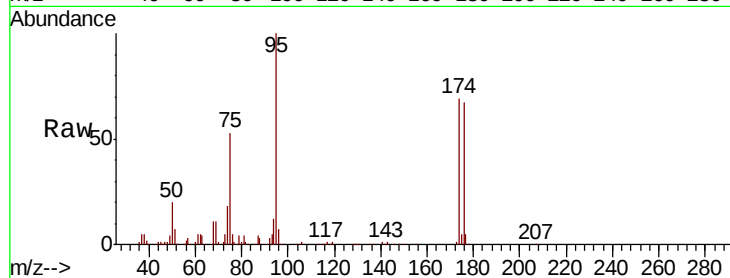
Tot Ion: 95 Resp: 230513

Ion Ratio Lower Upper

95 100

174 69.6 0.0 141.2

176 67.1 0.0 137.6

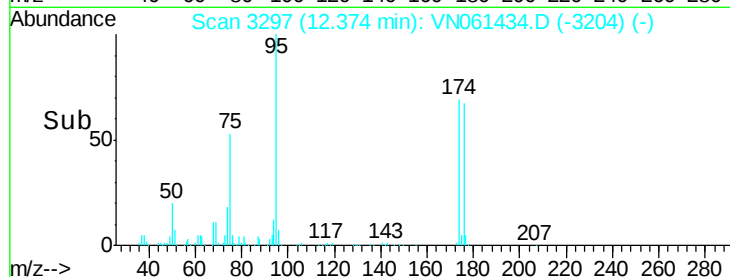


Abundance Ion 94.90 (94.60 to 95.60): VN061429.D (-3283) (-)

Ion 173.80 (173.50 to 174.50): VN061429.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061429.D (-3283) (-)

Time-->

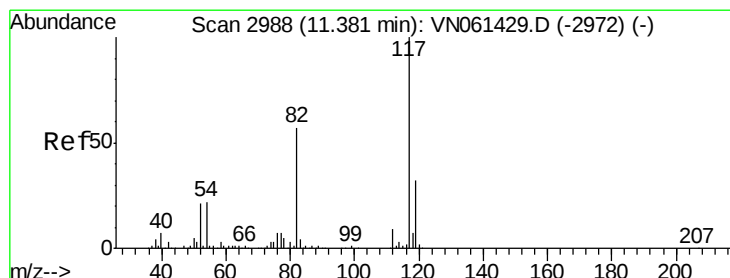


Abundance Ion 94.90 (94.60 to 95.60): VN061434.D (-3204) (-)

Ion 173.80 (173.50 to 174.50): VN061434.D (-3204) (-)

Ion 175.80 (175.50 to 176.50): VN061434.D (-3204) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

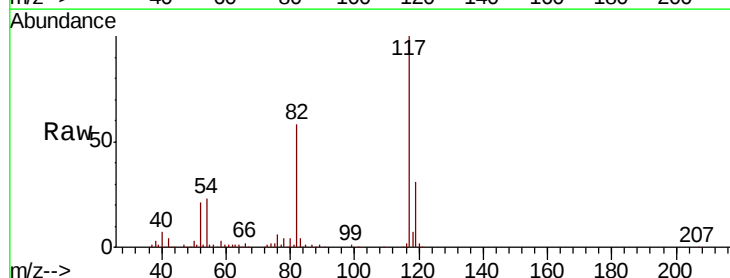
Tgt Ion: 117 Resp: 477436

Ion Ratio Lower Upper

117 100

82 57.7 45.2 67.8

119 30.8 25.3 37.9

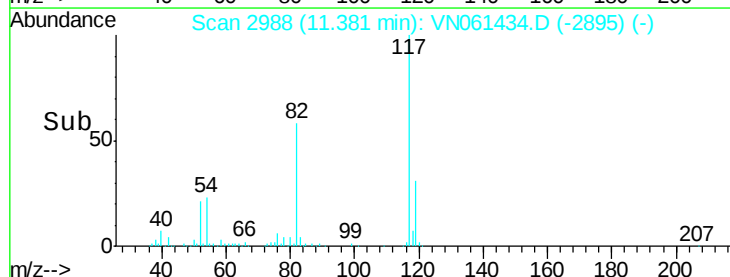


Abundance Ion 116.90 (116.60 to 117.60): VN061429.D (-2972) (-)

Ion 82.00 (81.70 to 82.70): VN061429.D (-2972) (-)

Ion 118.90 (118.60 to 119.60): VN061429.D (-2972) (-)

Time-->

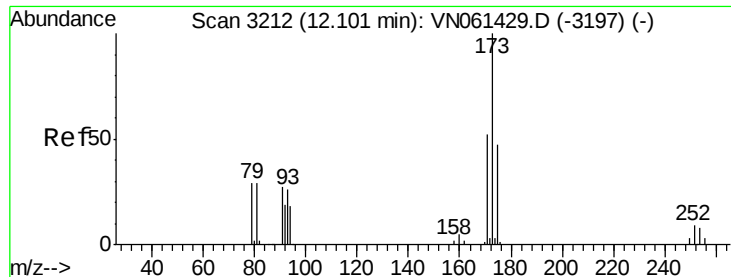


Abundance Ion 116.90 (116.60 to 117.60): VN061434.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061434.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061434.D (-2895) (-)

Time-->



#71

Bromoform

Concen: 2.455 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

Instrument :

MSVOA_N

ClientSampled :

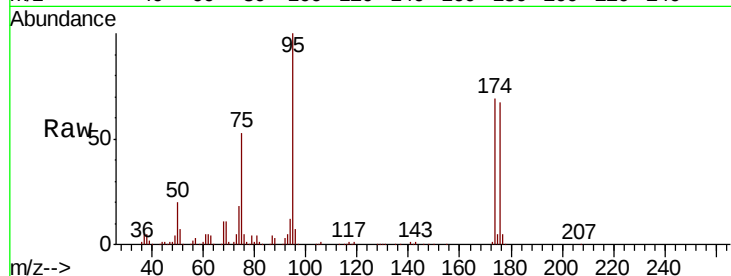
Tot Ion:173 Resp: 1229

Ion Ratio Lower Upper

173 100

175 886.7 23.9 71.8#

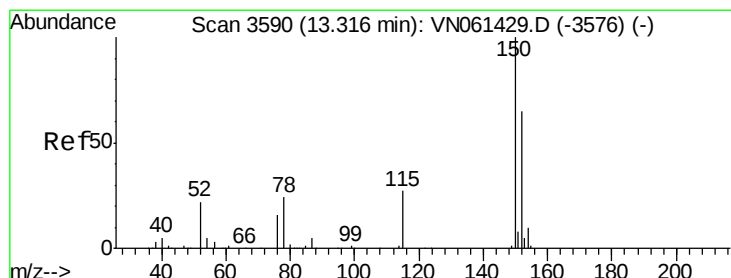
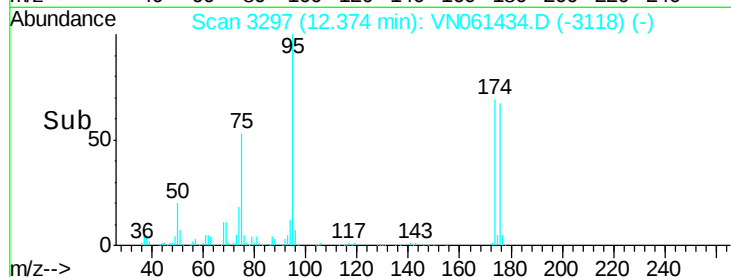
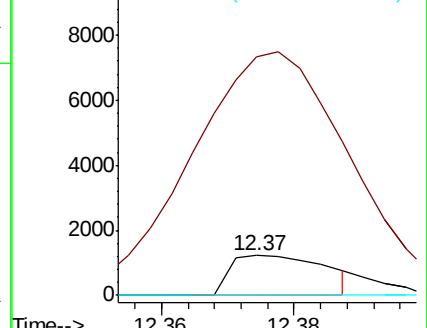
254 0.0 0.0 0.0



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: VN061434.D

Acq: 18 May 2020 15:04

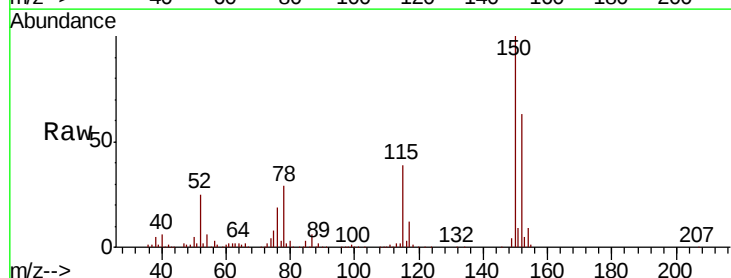
Tgt Ion:152 Resp: 188361

Ion Ratio Lower Upper

152 100

115 64.3 30.9 92.5

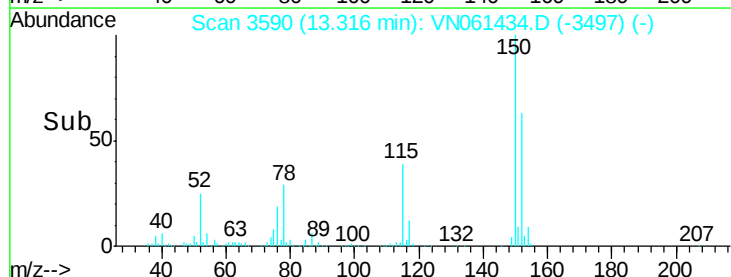
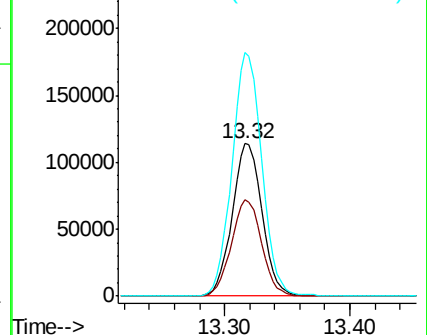
150 159.3 0.0 349.2

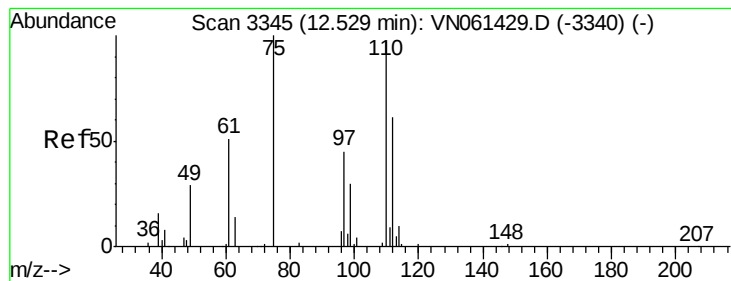


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.038 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

Instrument :

MSVOA_N

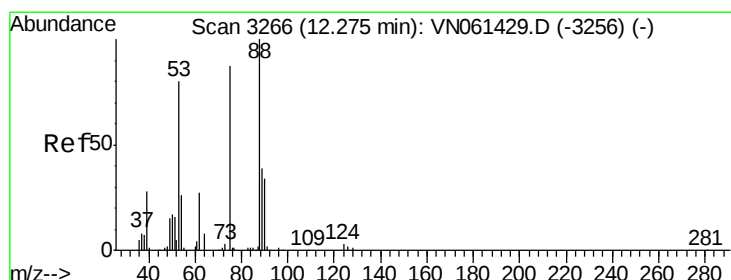
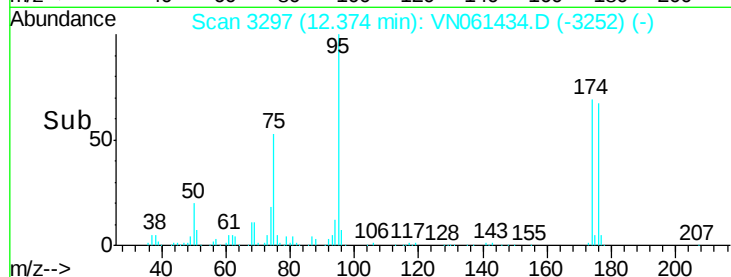
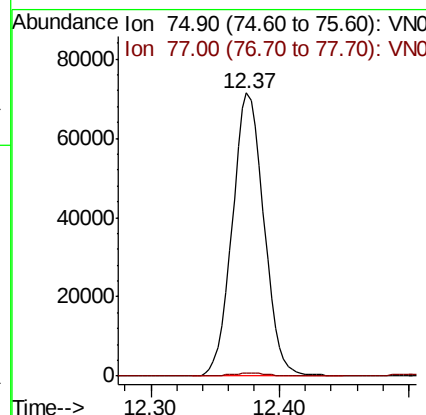
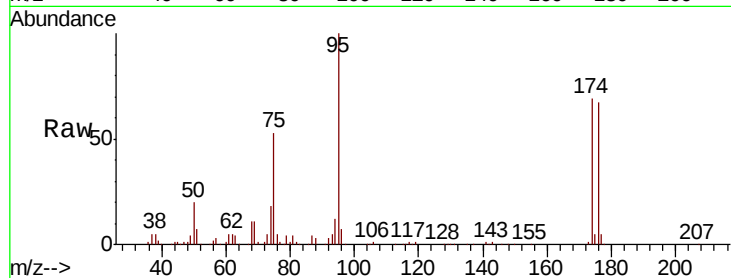
ClientSampleId :

Tot Ion: 75 Resp: 121407

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.685 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

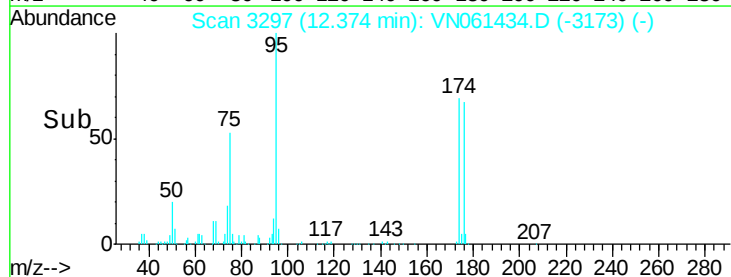
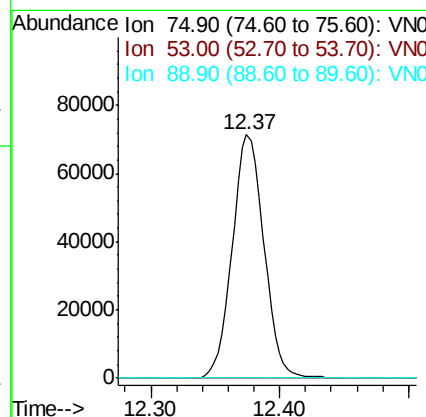
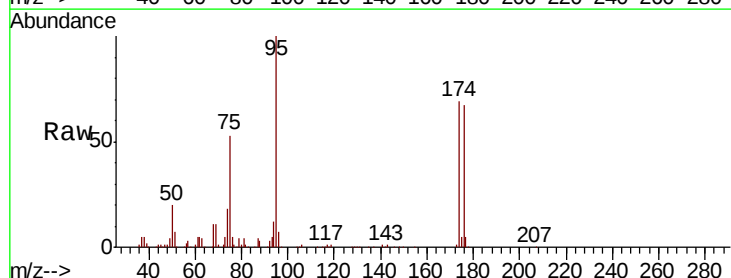
Tgt Ion: 75 Resp: 121407

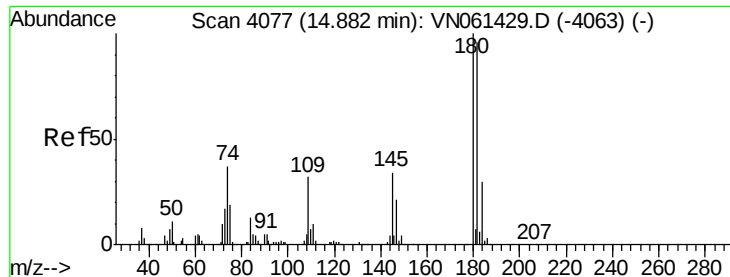
Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

89 0.0 38.2 57.4#

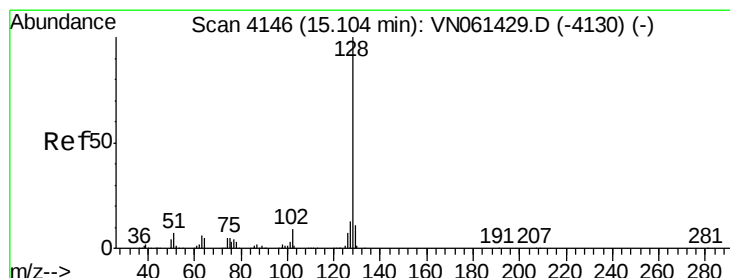
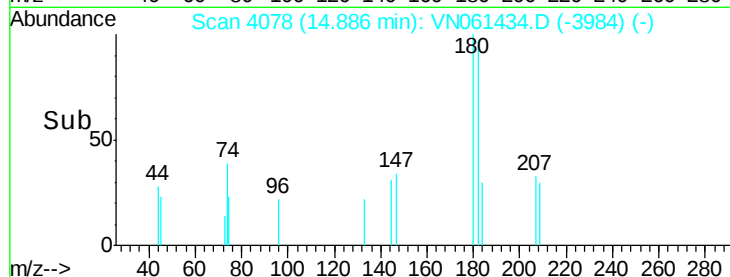
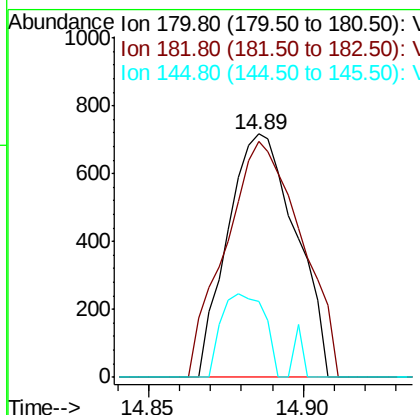
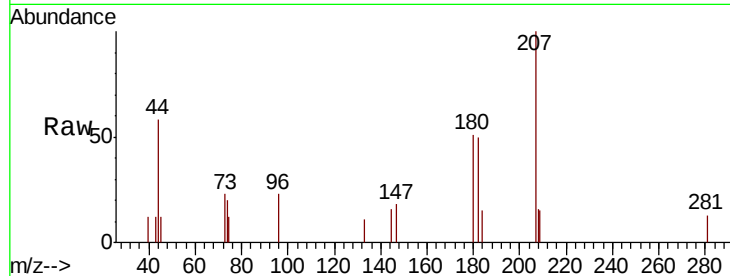




#93
 1,2,4-Trichlorobenzene
 Concen: 0.350 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061434.D
 Acq: 18 May 2020 15:04

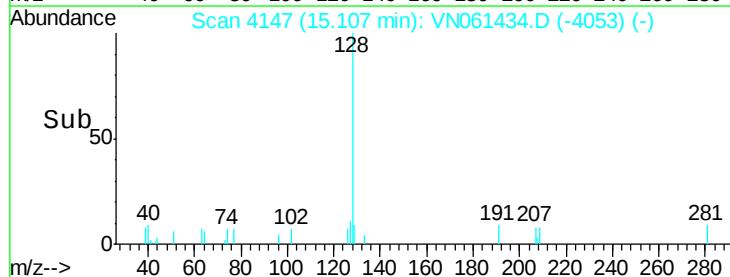
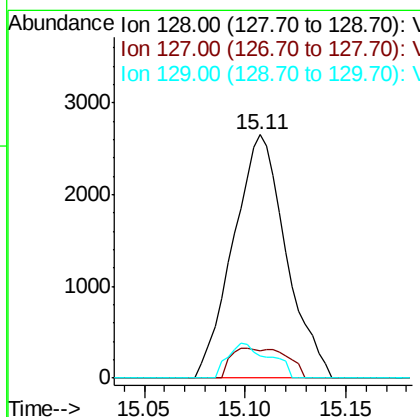
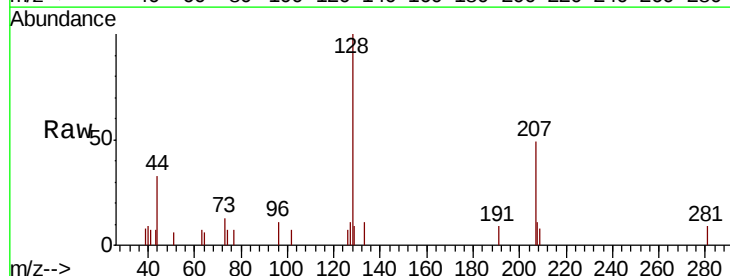
Instrument :
 MSVOA_N
 ClientSampled :

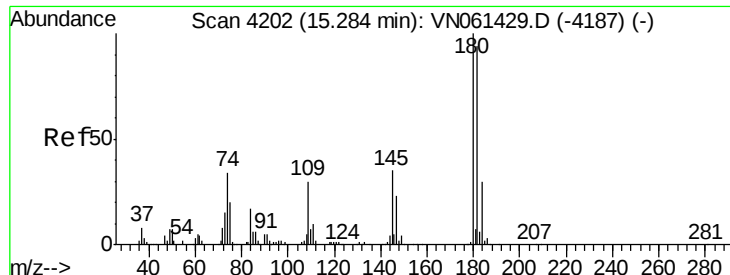
Tot Ion:180 Resp: 1094
 Ion Ratio Lower Upper
 180 100
 182 107.6 47.0 141.0
 145 22.0 16.7 50.0



#95
 Naphthalene
 Concen: 0.487 ug/l
 RT: 15.11 min Scan# 4147
 Delta R.T. 0.00 min
 Lab File: VN061434.D
 Acq: 18 May 2020 15:04

Tgt Ion:128 Resp: 4839
 Ion Ratio Lower Upper
 128 100
 127 7.0 10.1 15.1#
 129 11.3 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.345 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061434.D

Acq: 18 May 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

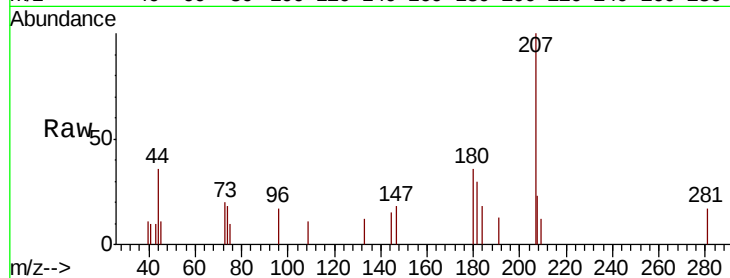
Tot Ion:180 Resp: 1073

Ion Ratio Lower Upper

180 100

182 91.3 47.8 143.3

145 35.2 17.3 51.9



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

