

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051920\
 Data File : VN061477.D
 Acq On : 19 May 2020 12:28
 Operator : JC/MD
 Sample : VN0519MBL01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 20 02:48:49 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	261212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	475732	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	462731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	191536	50.00	ug/l	0.00

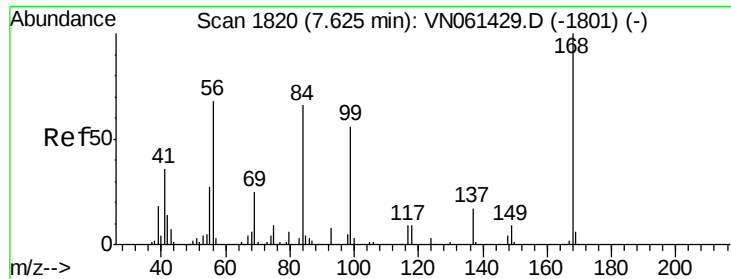
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	185374	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
35) Dibromofluoromethane	7.55	113	136618	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
50) Toluene-d8	10.06	98	603813	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.37	95	223347	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds

					Qvalue	
3) Chloromethane	2.03	50	1259	0.355	ug/l	88
5) Bromomethane	2.55	94	492	Below	Cal	# 58
16) Acetone	3.78	43	1024	Below	Cal	98
17) Carbon Disulfide	4.01	76	901	Below	Cal	# 75
18) Methyl Acetate	4.28	43	277	Below	Cal	# 49
31) Cyclohexane	7.63	56	6401	Below	Cal	# 11
36) 1,1-Dichloropropene	7.63	75	21549	4.844	ug/l	# 50
38) Carbon Tetrachloride	7.62	117	27199	6.640	ug/l	# 16
52) Toluene	10.12	92	2662	0.309	ug/l	96
59) 2-Hexanone	10.72	43	604	0.218	ug/l	# 48
67) Ethyl Benzene	11.48	91	4707	0.273	ug/l	98
68) m/p-Xylenes	11.60	106	5588	0.855	ug/l	92
71) Bromoform	12.37	173	1013	2.390	ug/l	# 1
76) 1,2,3-Trichloropropane	12.37	75	116713	28.398	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.37	75	116713	75.334	ug/l	# 12
84) 1,2,4-Trimethylbenzene	13.01	105	3683	0.292	ug/l	94
95) Naphthalene	15.11	128	4110	0.407	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061477.D

Acq: 19 May 2020 12:28

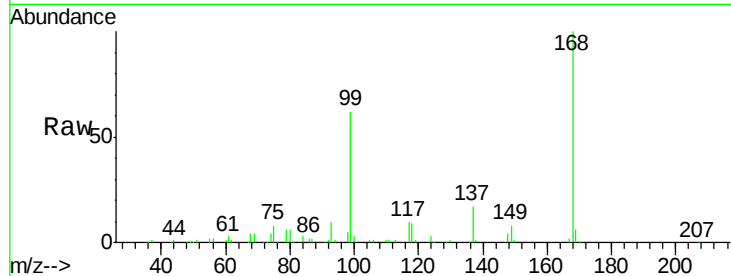
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 261212

Ion Ratio Lower Upper

168 100

99 62.1 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

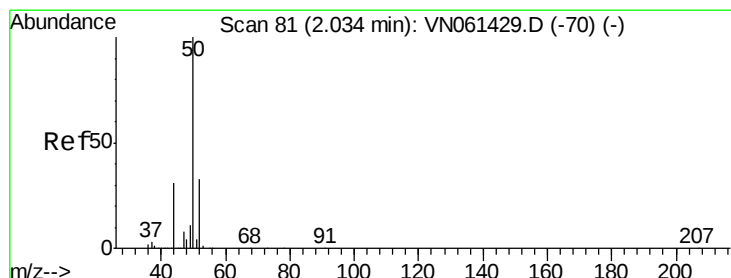
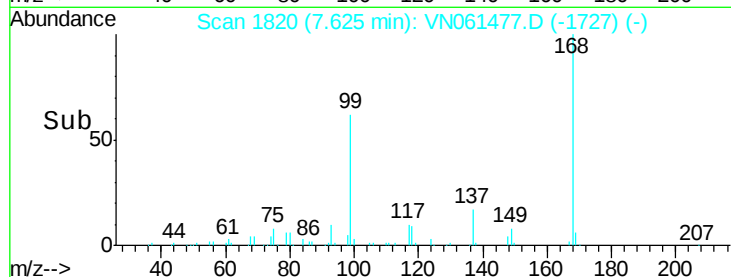
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.355 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061477.D

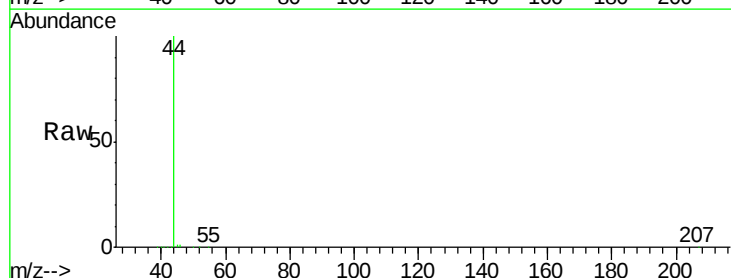
Acq: 19 May 2020 12:28

Tgt Ion: 50 Resp: 1259

Ion Ratio Lower Upper

50 100

52 26.7 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

600

500

400

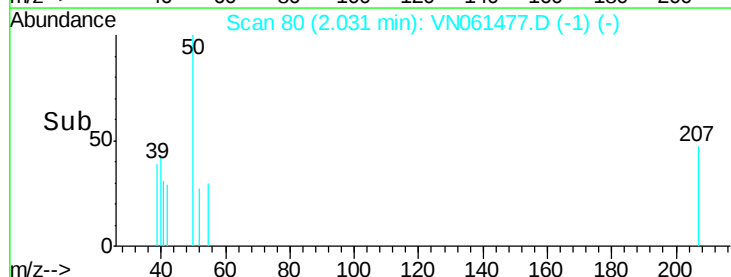
300

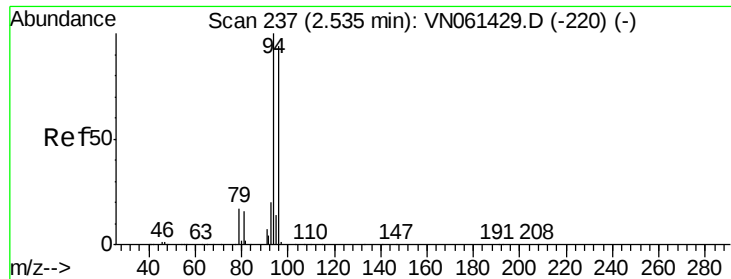
200

100

0

Time--> 2.00 2.05 2.10





#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 243

Delta R.T. 0.02 min

Lab File: VN061477.D

Acq: 19 May 2020 12:28

Instrument :

MSVOA_N

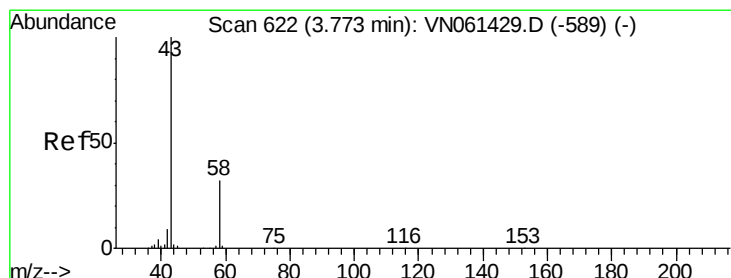
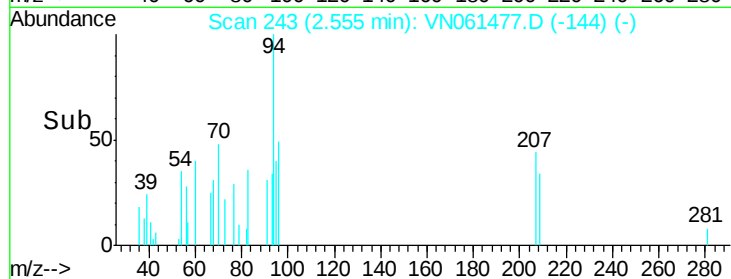
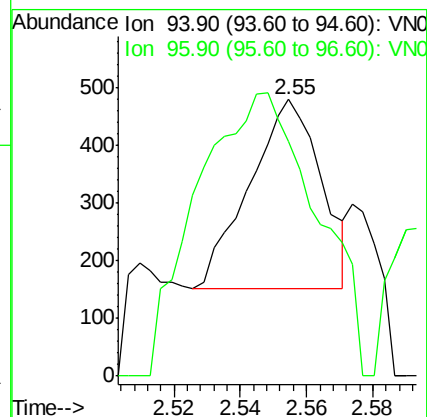
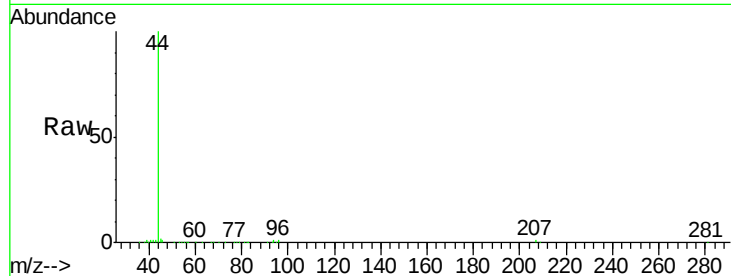
ClientSampleId :

Tot Ion: 94 Resp: 492

Ion Ratio Lower Upper

94 100

96 53.4 74.9 112.3#



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061477.D

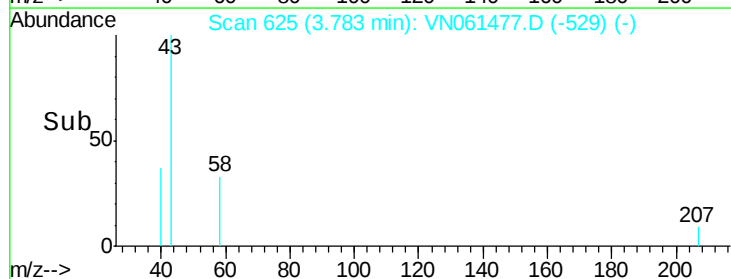
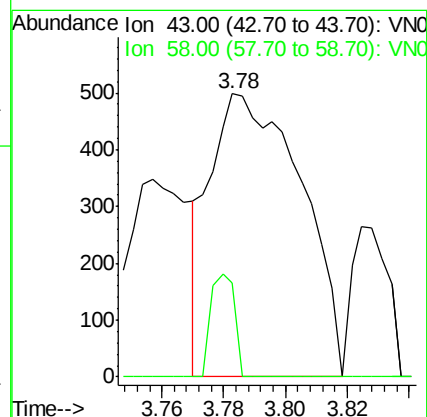
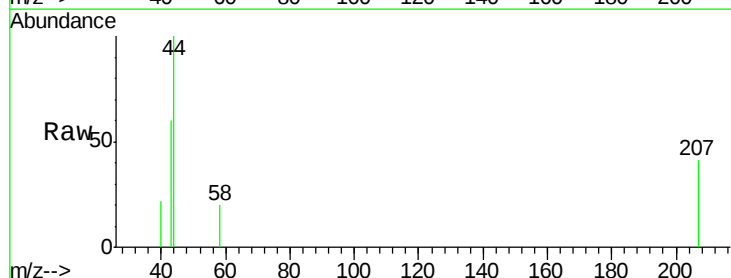
Acq: 19 May 2020 12:28

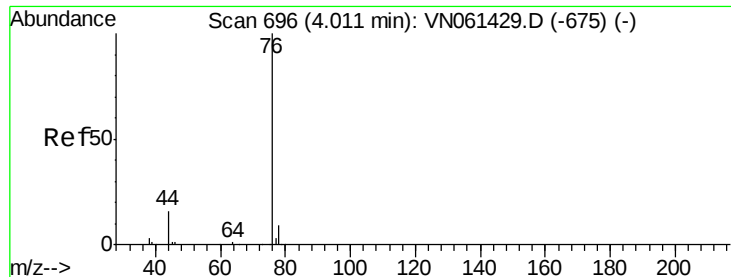
Tgt Ion: 43 Resp: 1024

Ion Ratio Lower Upper

43 100

58 33.1 25.6 38.4





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061477.D

Acq: 19 May 2020 12:28

Instrument :

MSVOA_N

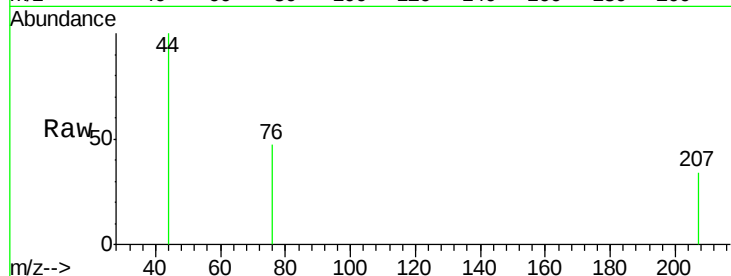
ClientSampled :

Tot Ion: 76 Resp: 901

Ion Ratio Lower Upper

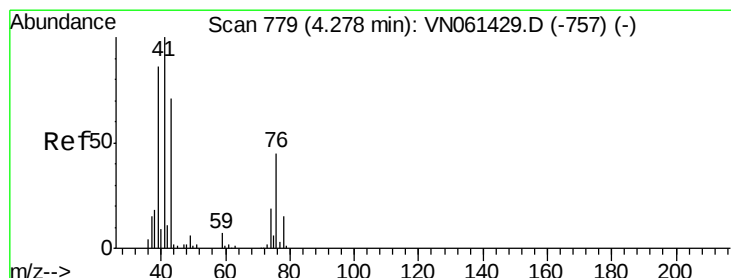
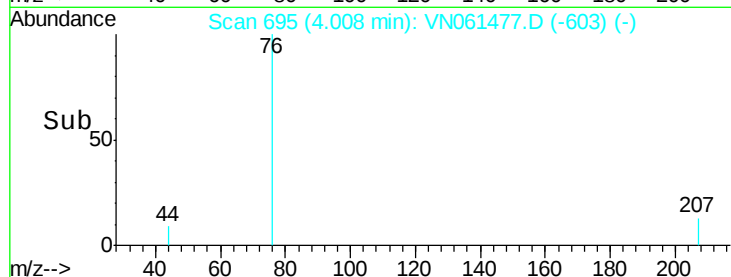
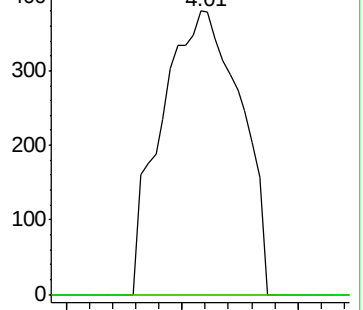
76 100

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: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061477.D

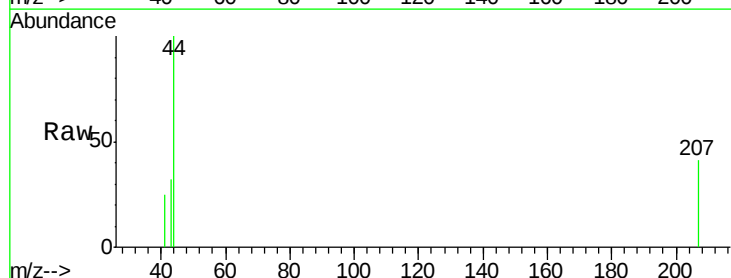
Acq: 19 May 2020 12:28

Tgt Ion: 43 Resp: 277

Ion Ratio Lower Upper

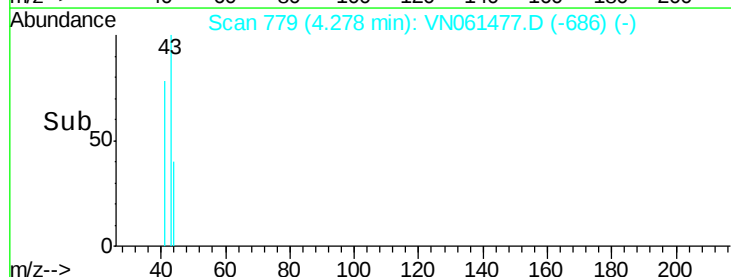
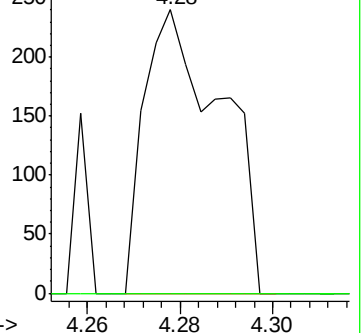
43 100

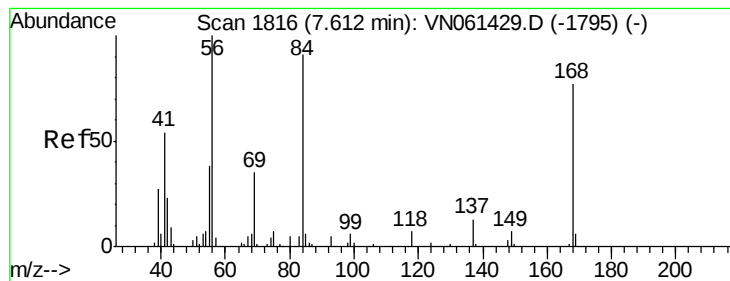
74 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#31

Cyclohexane

Concen: Below Cal

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061477.D

Acq: 19 May 2020 12:28

Instrument :
MSVOA_N
ClientSampled :

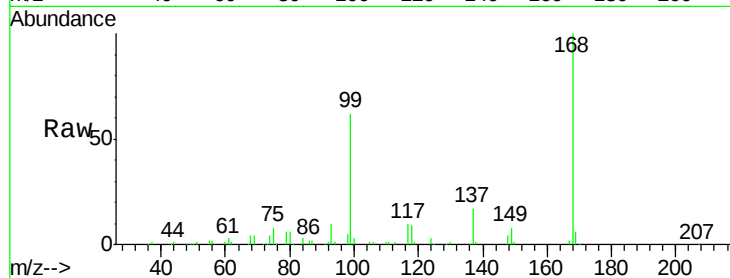
Tot Ion: 56 Resp: 6401

Ion Ratio Lower Upper

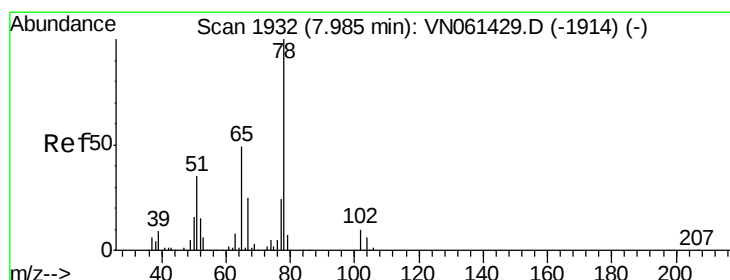
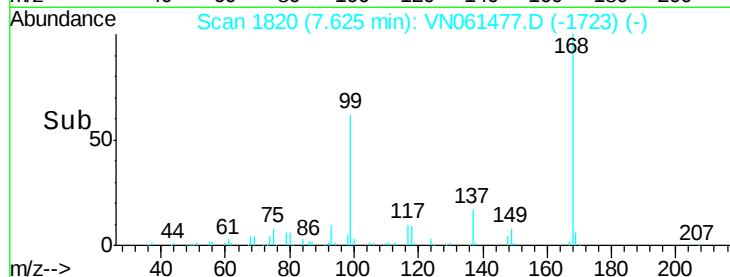
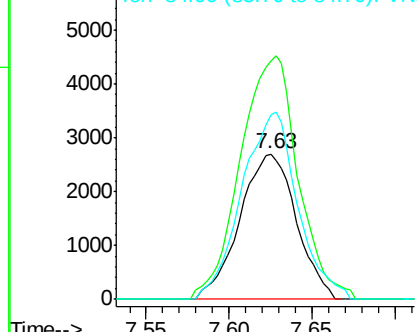
56 100

69 164.2 27.8 41.6#

84 127.0 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: 47.550 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061477.D

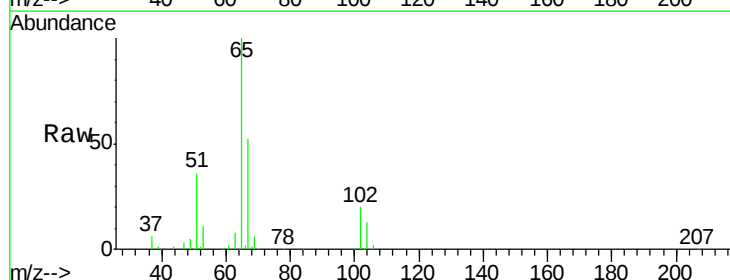
Acq: 19 May 2020 12:28

Tgt Ion: 65 Resp: 185374

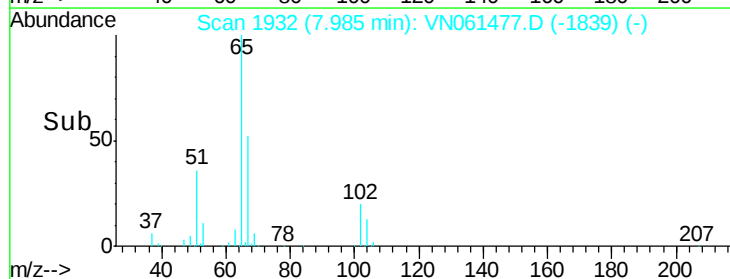
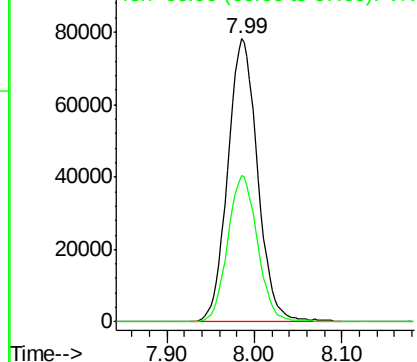
Ion Ratio Lower Upper

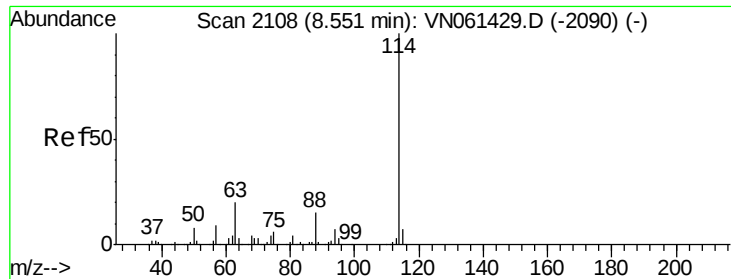
65 100

67 51.6 0.0 101.4



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

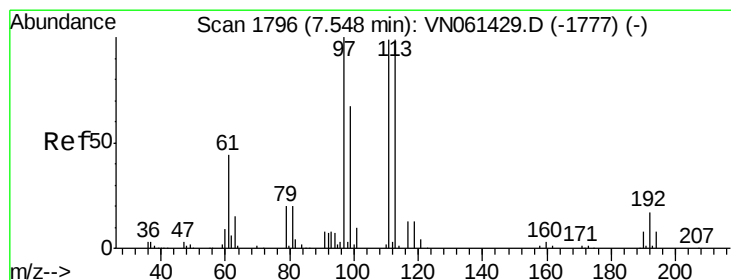
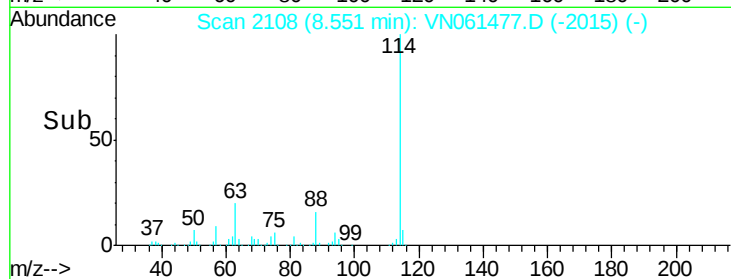
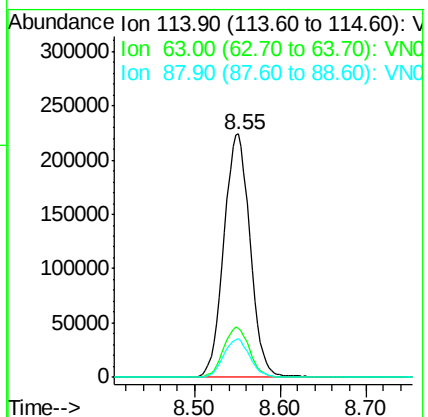
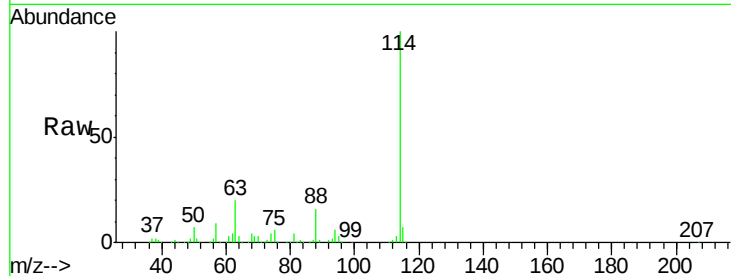




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061477.D
 Acq: 19 May 2020 12:28

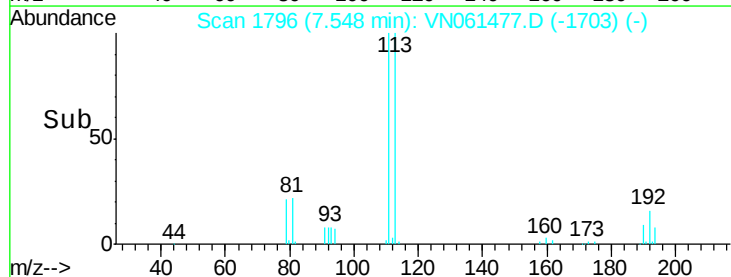
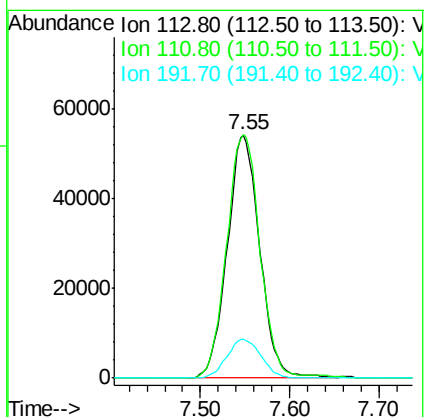
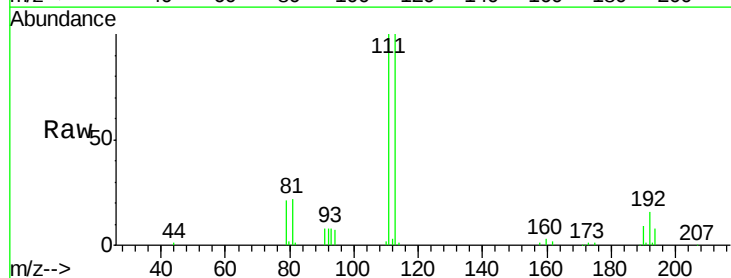
Instrument :
 MSVOA_N
 ClientSampleId :

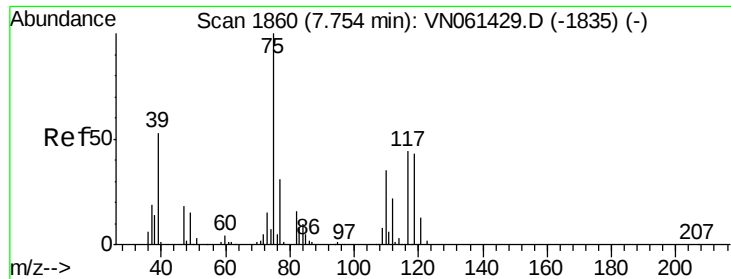
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.8	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 54.818 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061477.D
 Acq: 19 May 2020 12:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.6	121.0
192	16.9	13.2	19.8

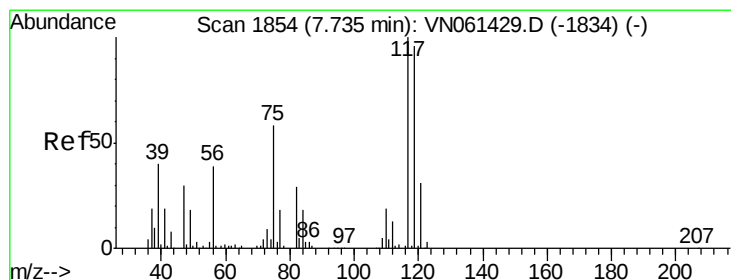
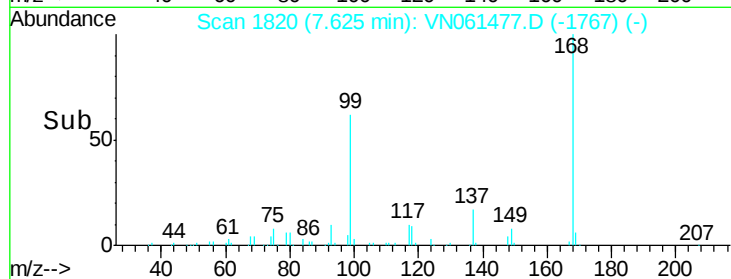
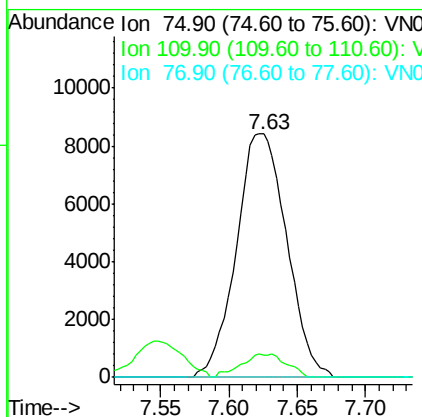
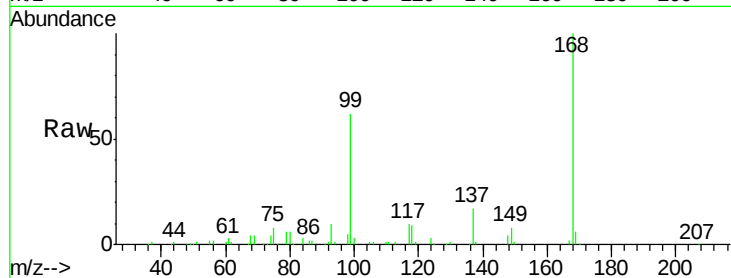




#36
 1,1-Dichloropropene
 Concen: 4.844 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061477.D
 Acq: 19 May 2020 12:28

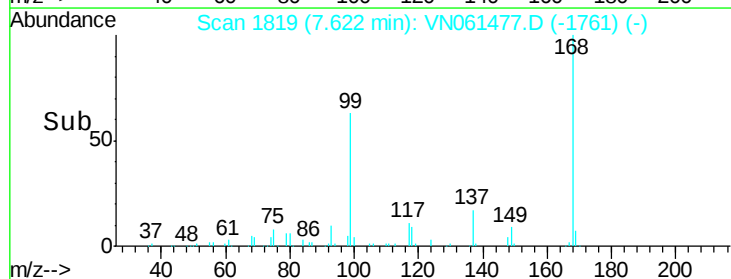
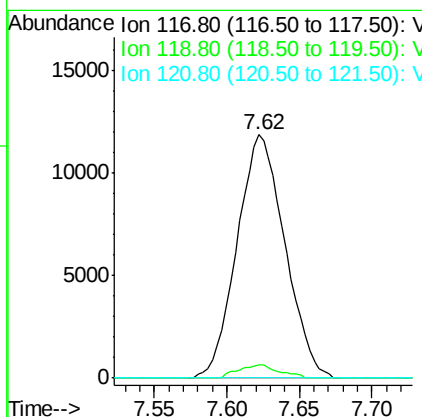
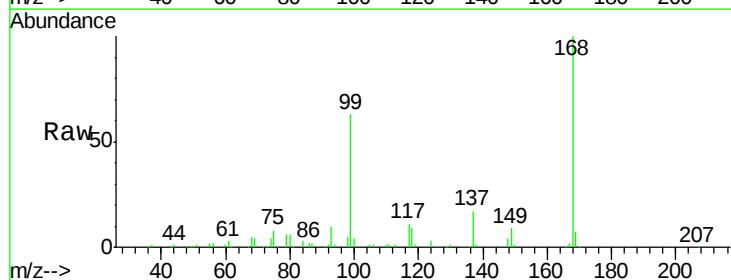
Instrument :
 MSVOA_N
 ClientSampled :

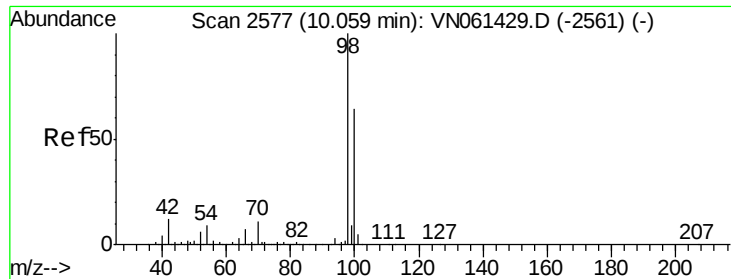
Tot Ion: 75 Resp: 21549
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.3 51.9#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.640 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN061477.D
 Acq: 19 May 2020 12:28

Tgt Ion: 117 Resp: 27199
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.0 115.6#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 52.235 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061477.D

Acq: 19 May 2020 12:28

Instrument :

MSVOA_N

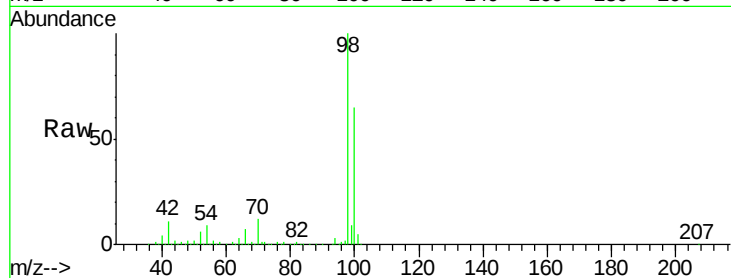
ClientSampleId :

Tot Ion: 98 Resp: 603813

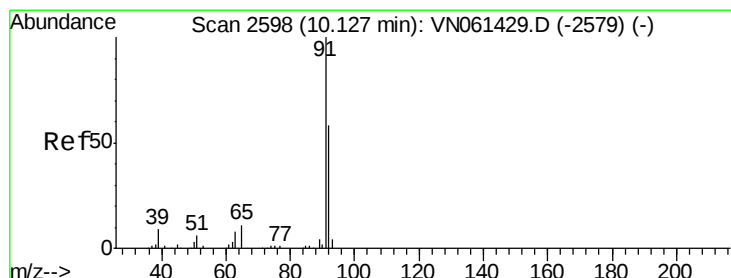
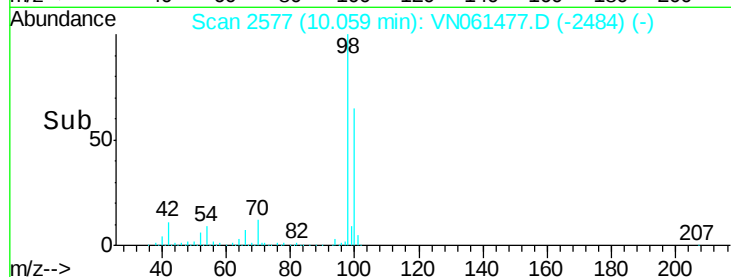
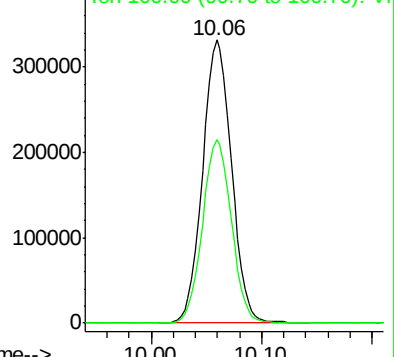
Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN061429.D (-2561) (-)



#52

Toluene

Concen: 0.309 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061477.D

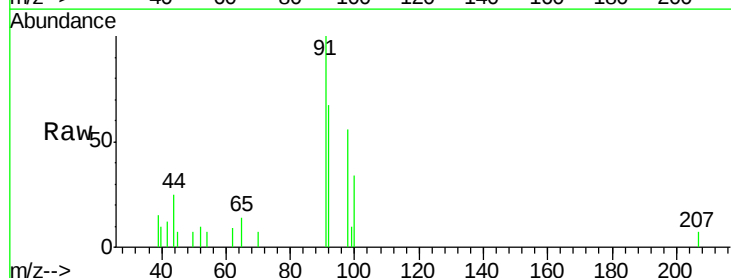
Acq: 19 May 2020 12:28

Tgt Ion: 92 Resp: 2662

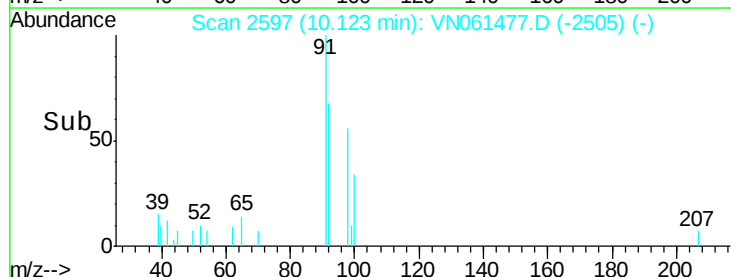
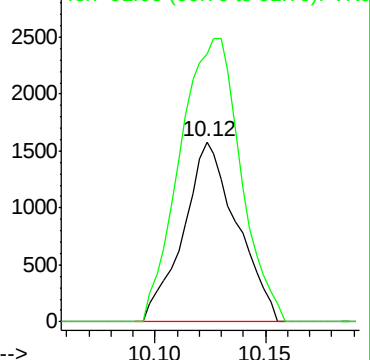
Ion Ratio Lower Upper

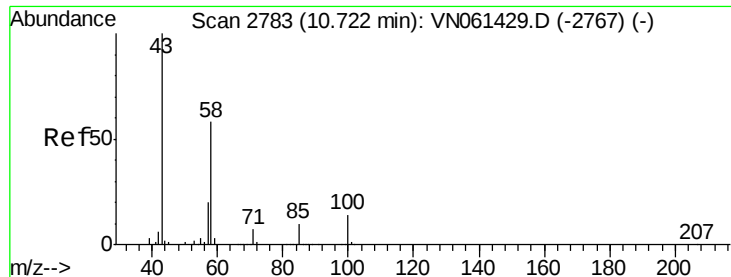
92 100

91 178.3 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN061429.D (-2579) (-)





#59

2-Hexanone

Concen: 0.218 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VN061477.D

Acq: 19 May 2020 12:28

Instrument :

MSVOA_N

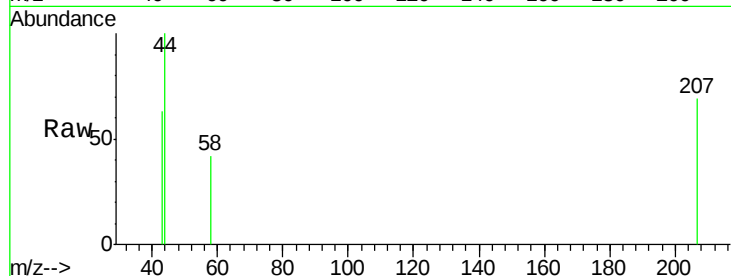
ClientSampleId :

Tot Ion: 43 Resp: 604

Ion Ratio Lower Upper

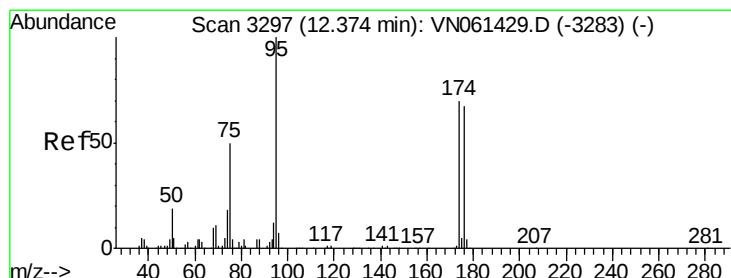
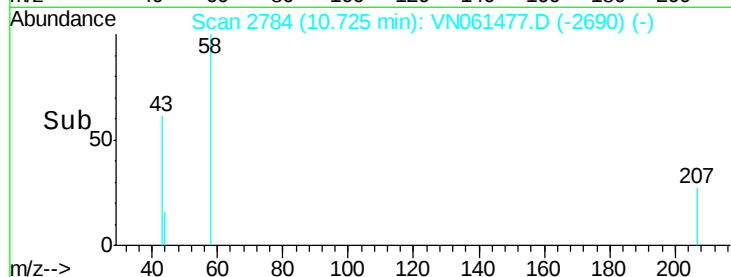
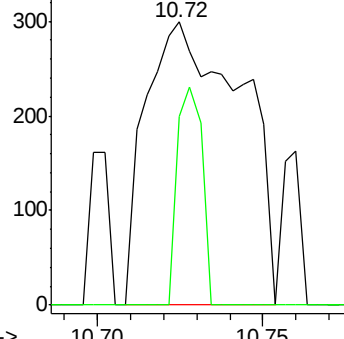
43 100

58 19.9 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: 51.716 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061477.D

Acq: 19 May 2020 12:28

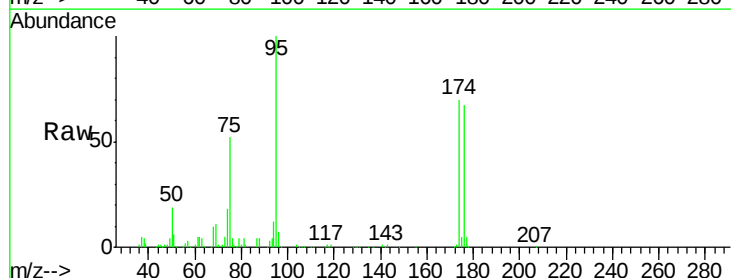
Tgt Ion: 95 Resp: 223347

Ion Ratio Lower Upper

95 100

174 70.8 0.0 141.2

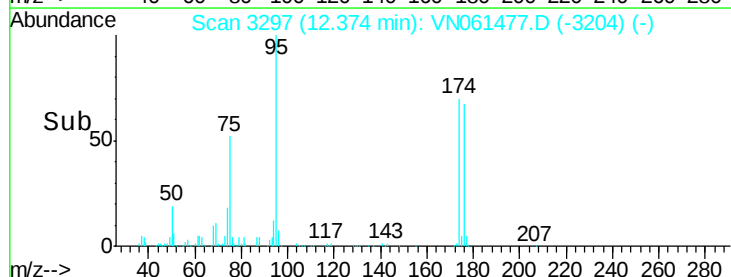
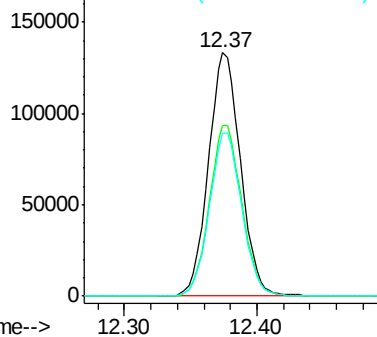
176 67.7 0.0 137.6

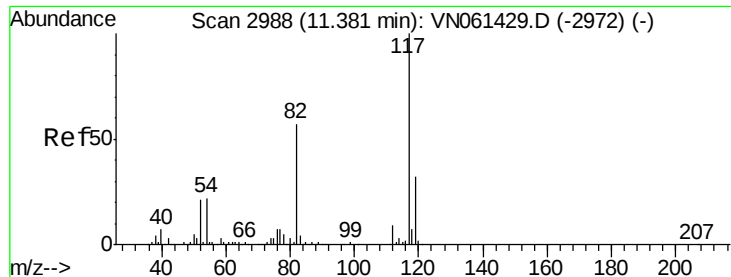


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

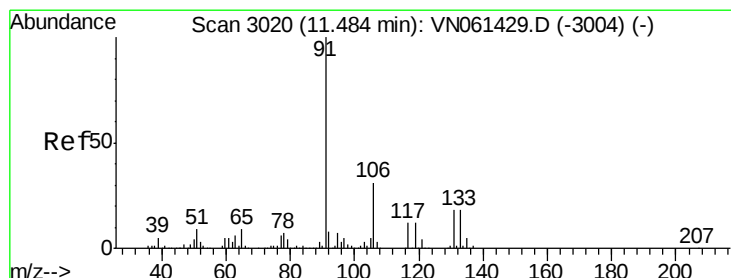
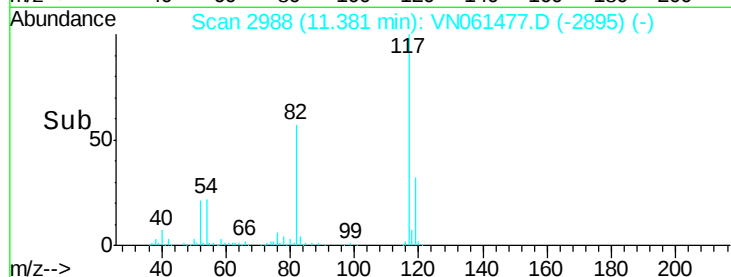
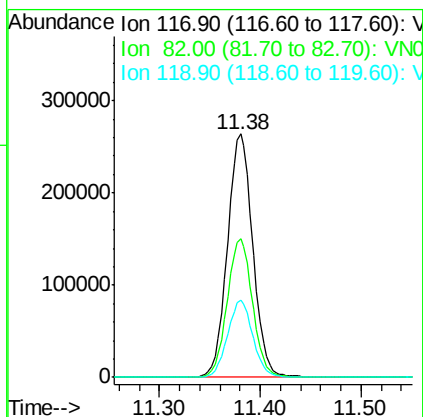
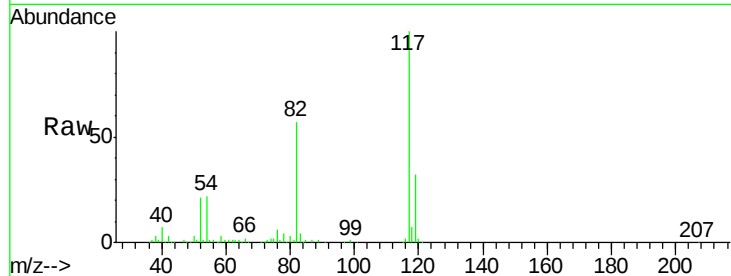




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061477.D
Acq: 19 May 2020 12:28

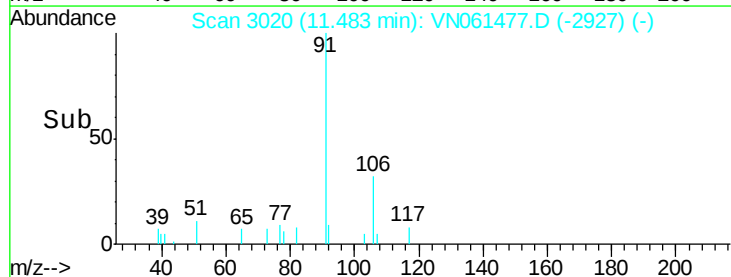
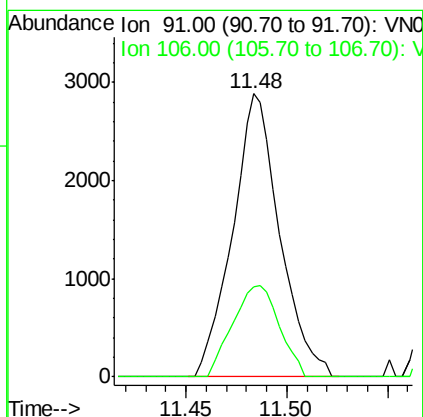
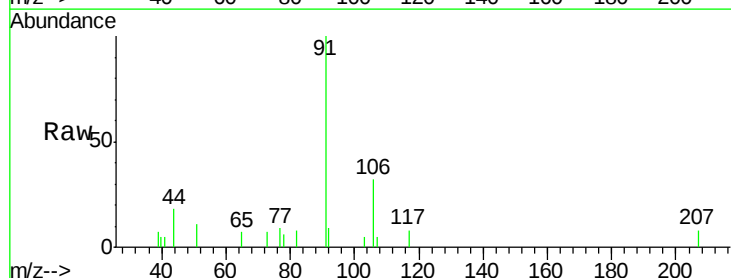
Instrument :
MSVOA_N
ClientSampled :

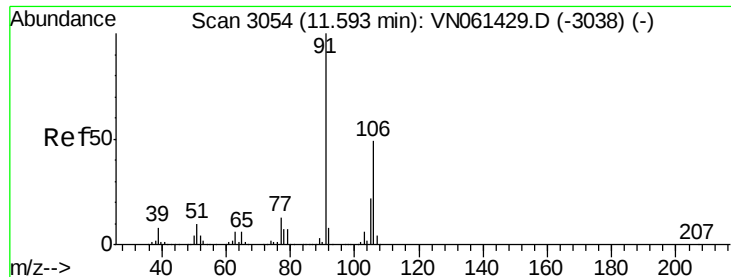
Tot Ion:117 Resp: 462731
Ion Ratio Lower Upper
117 100
82 56.7 45.2 67.8
119 31.7 25.3 37.9



#67
Ethyl Benzene
Concen: 0.273 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061477.D
Acq: 19 May 2020 12:28

Tgt Ion: 91 Resp: 4707
Ion Ratio Lower Upper
91 100
106 32.0 24.6 36.8

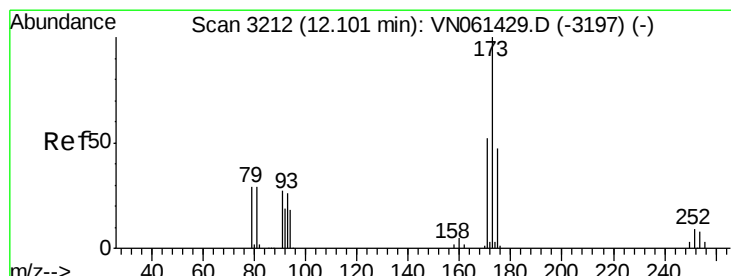
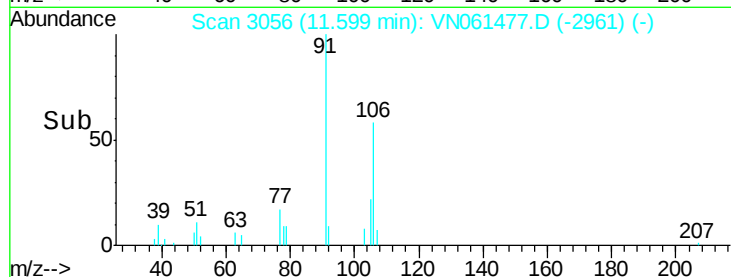
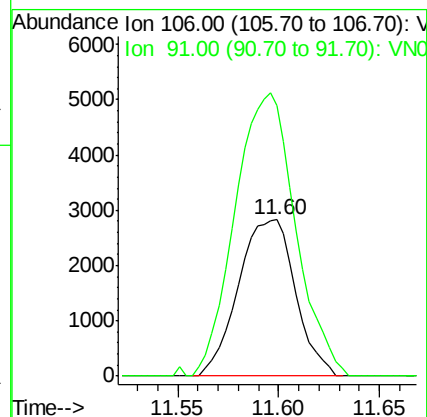
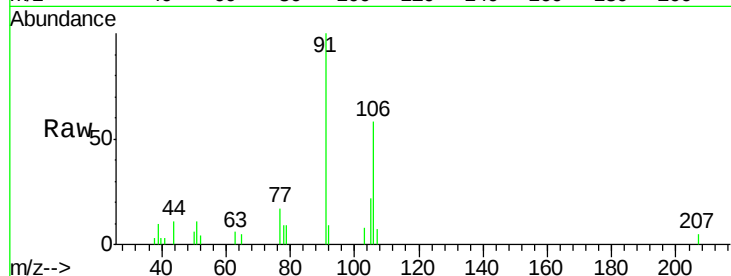




#68
m/p-Xvlenes
Concen: 0.855 ug/l
RT: 11.60 min Scan# 3056
Delta R.T. 0.01 min
Lab File: VN061477.D
Acq: 19 May 2020 12:28

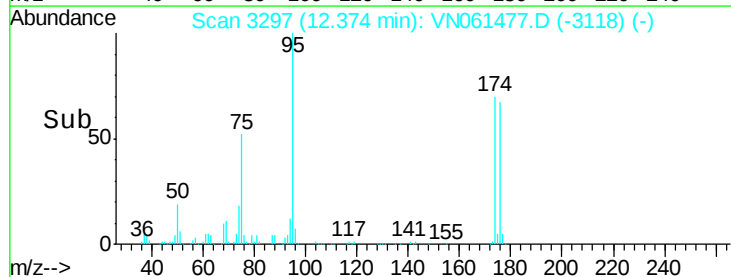
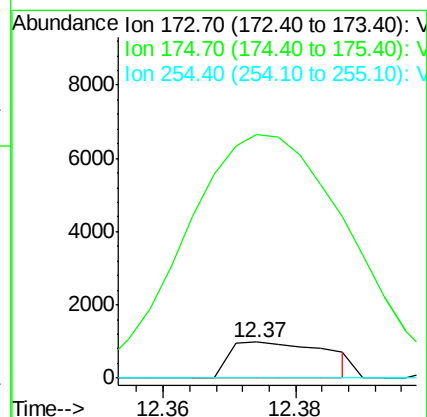
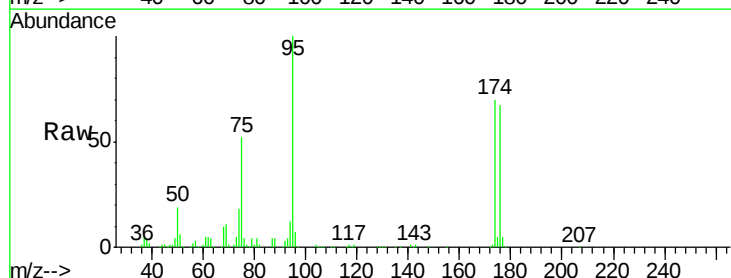
Instrument :
MSVOA_N
ClientSampled :

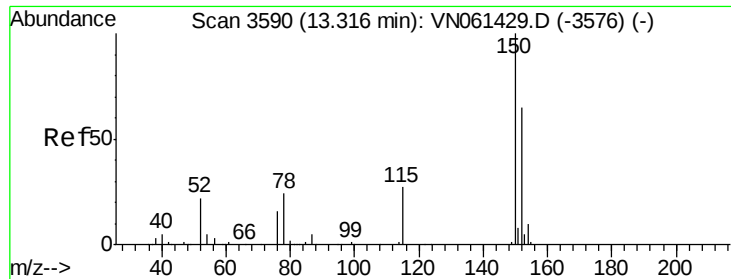
Tot Ion:106 Resp: 5588
Ion Ratio Lower Upper
106 100
91 191.9 163.0 244.6



#71
Bromoform
Concen: 2.390 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061477.D
Acq: 19 May 2020 12:28

Tgt Ion:173 Resp: 1013
Ion Ratio Lower Upper
173 100
175 993.9 23.9 71.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061477.D

Acq: 19 May 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

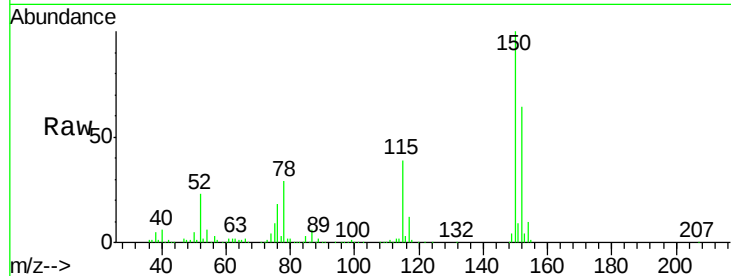
Tot Ion:152 Resp: 191536

Ion Ratio Lower Upper

152 100

115 61.0 30.9 92.5

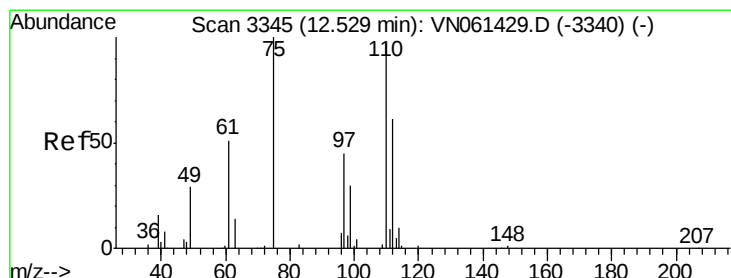
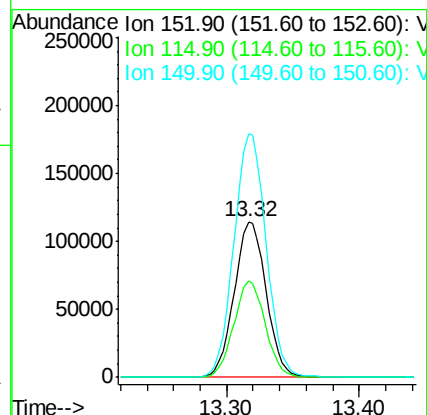
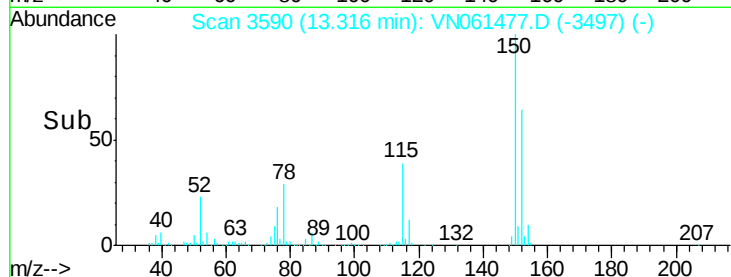
150 157.6 0.0 349.2



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: 28.398 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061477.D

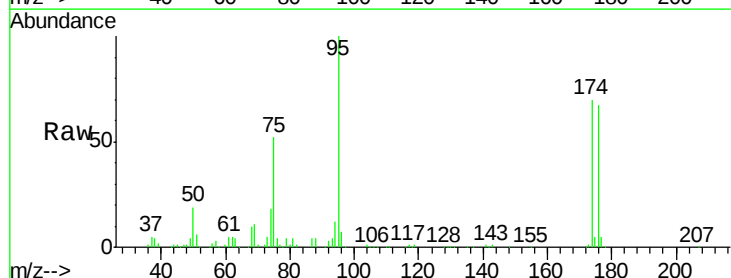
Acq: 19 May 2020 12:28

Tgt Ion: 75 Resp: 116713

Ion Ratio Lower Upper

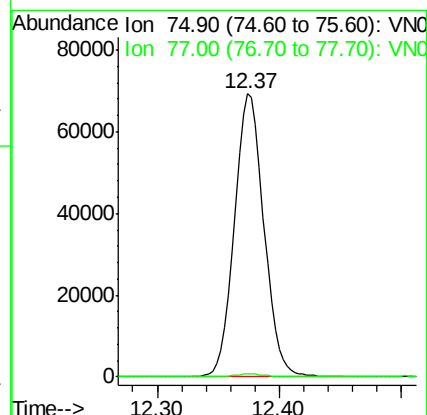
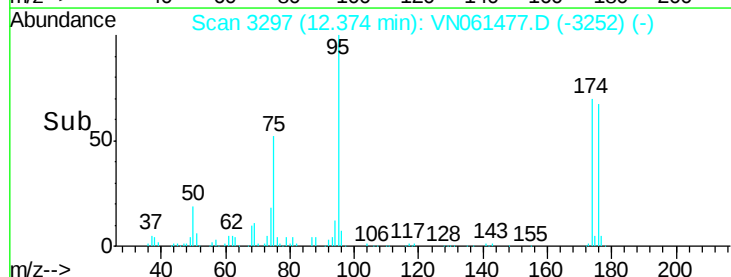
75 100

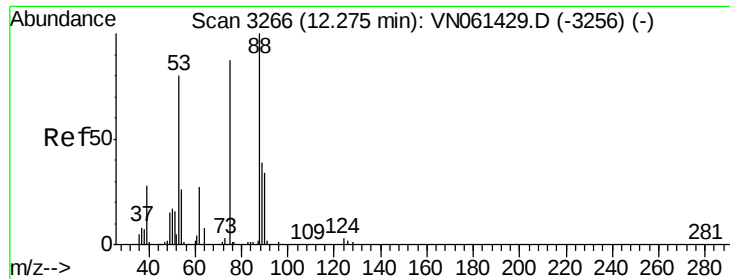
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 75.334 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061477.D

Acq: 19 May 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

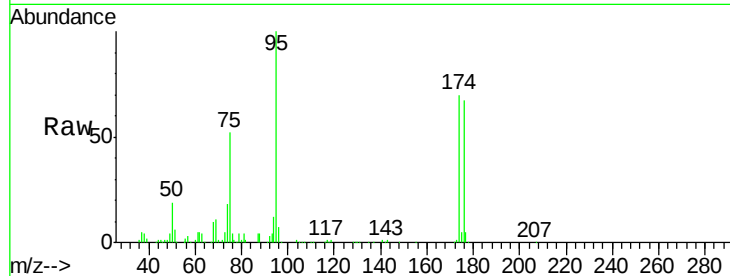
Tot Ion: 75 Resp: 116713

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

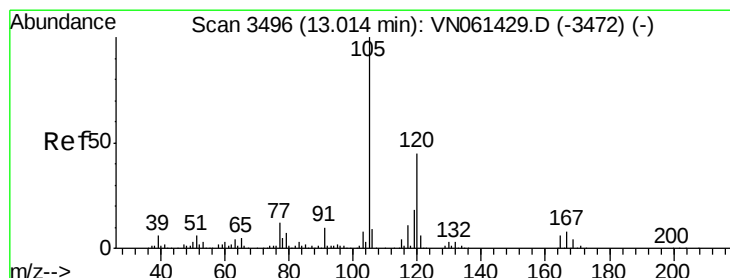
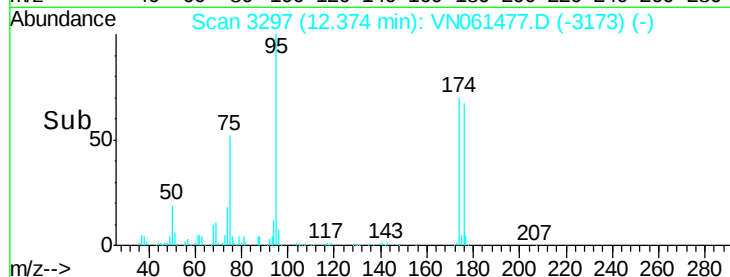
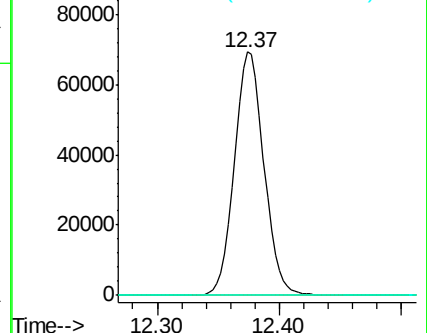
89 0.0 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061429.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN061429.D (-3256) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.292 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. -0.00 min

Lab File: VN061477.D

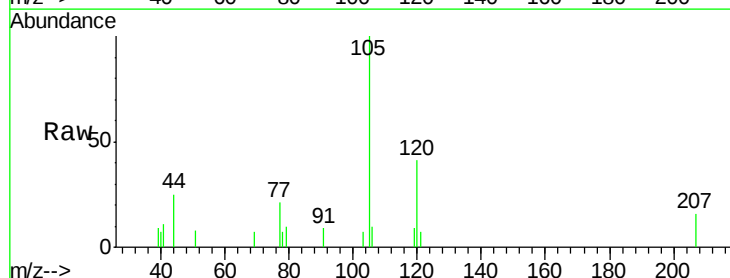
Acq: 19 May 2020 12:28

Tgt Ion: 105 Resp: 3683

Ion Ratio Lower Upper

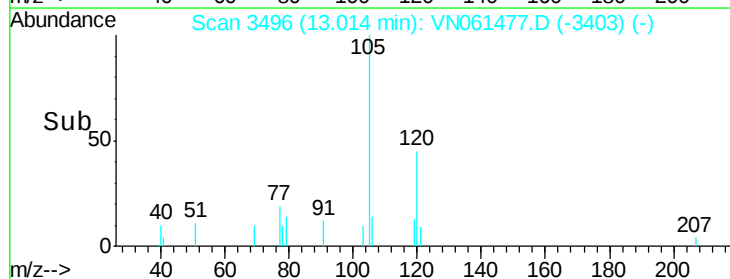
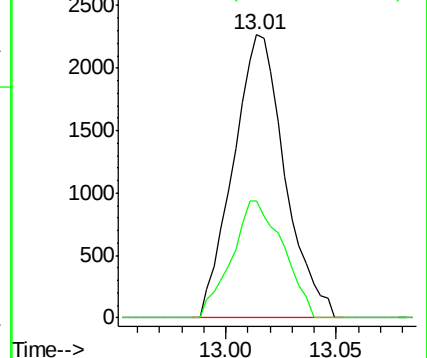
105 100

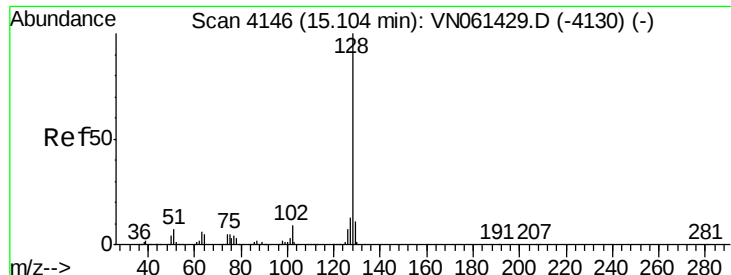
120 41.1 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): VN061429.D (-3472) (-)

Ion 120.00 (119.70 to 120.70): VN061429.D (-3472) (-)

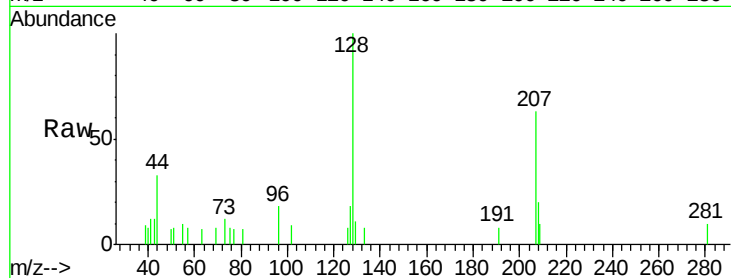




#95
Naphthalene
Concen: 0.407 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061477.D
Acq: 19 May 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.1	15.1
129	11.0	8.6	13.0



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

