

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061577.D
 Acq On : 29 May 2020 19:06
 Operator : JC/MD
 Sample : L2505-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 04:45:47 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	7.63	168	250994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	463156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	471000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	208060	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	169320	56.62	ug/l	0.00
Spiked Amount			Recovery	=	113.24%	
35) Dibromofluoromethane	7.55	113	133080	56.64	ug/l	0.00
Spiked Amount			Recovery	=	113.28%	
50) Toluene-d8	10.06	98	576449	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
62) 4-Bromofluorobenzene	12.38	95	215899	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	

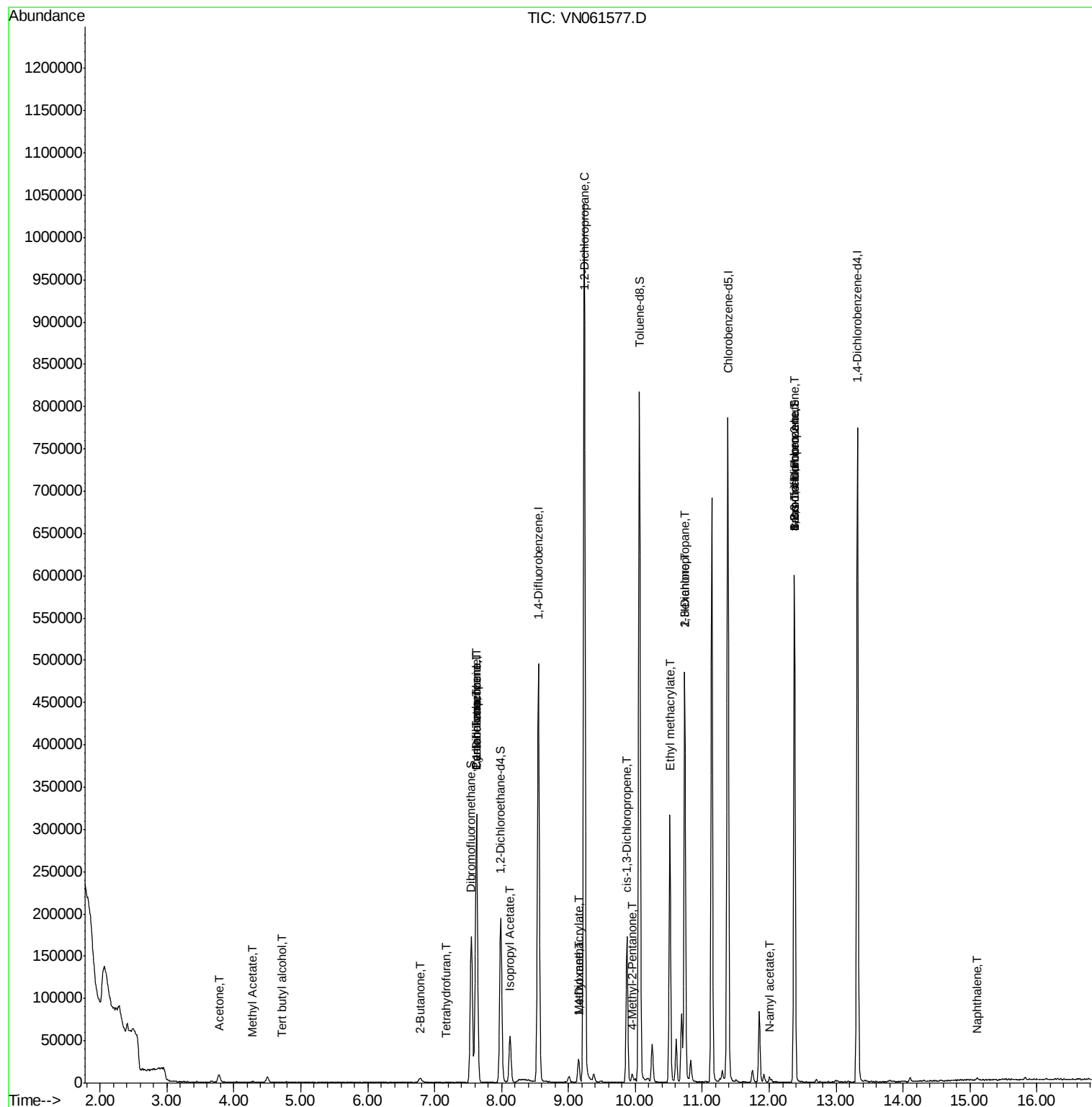
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	433	1.089	ug/l #	72
16) Acetone	3.78	43	15497	12.923	ug/l	93
18) Methyl Acetate	4.27	43	1175	0.434	ug/l	95
25) 2-Butanone	6.79	43	5743	4.052	ug/l	99
29) Tetrahydrofuran	7.17	42	410	0.439	ug/l #	25
31) Cyclohexane	7.63	56	5378	1.276	ug/l #	21
36) 1,1-Dichloropropene	7.63	75	19469	4.748	ug/l #	47
38) Carbon Tetrachloride	7.63	117	26546	6.712	ug/l #	15
43) Isopropyl Acetate	8.13	43	62310	10.488	ug/l #	91
45) 1,2-Dichloropropane	9.23	63	1586	0.528	ug/l #	44
48) Methyl methacrylate	9.14	41	3713	1.389	ug/l #	5
49) 1,4-Dioxane	9.17	88	75	1.811	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	6425	1.919	ug/l	93
54) cis-1,3-Dichloropropene	9.87	75	33654	6.365	ug/l #	65
56) Ethyl methacrylate	10.52	69	1116	0.243	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5629	1.070	ug/l #	42
59) 2-Hexanone	10.74	43	62666	26.062	ug/l #	51
71) Bromoform	12.38	173	1660	0.591	ug/l #	1
74) N-amyl acetate	12.00	43	3835	0.802	ug/l #	39
76) 1,2,3-Trichloropropane	12.38	75	105452	27.873	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	105452	71.278	ug/l #	15
95) Naphthalene	15.11	128	2575	0.221	ug/l #	90

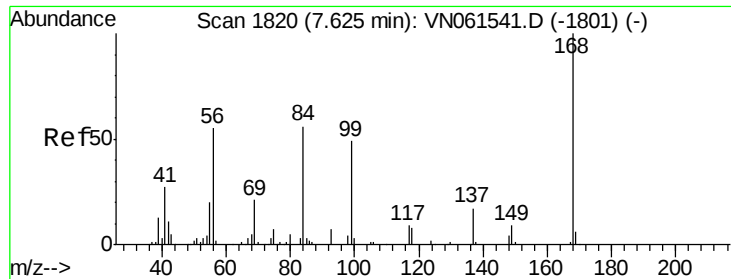
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052920\
Data File : VN061577.D
Acq On : 29 May 2020 19:06
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Sample : L2505-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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Quant Time: May 30 04:45:47 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: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061577.D

Acq: 29 May 2020 19:06

Instrument :

MSVOA_N

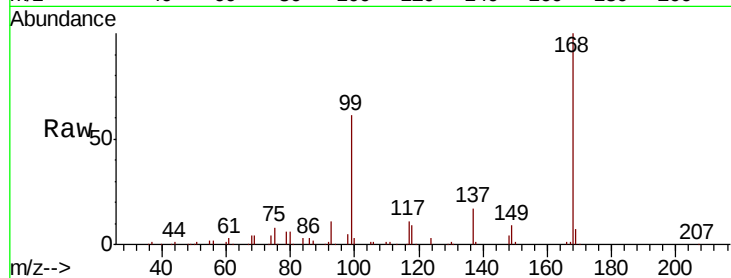
ClientSampleId :

Tot Ion:168 Resp: 250994

Ion Ratio Lower Upper

168 100

99 61.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

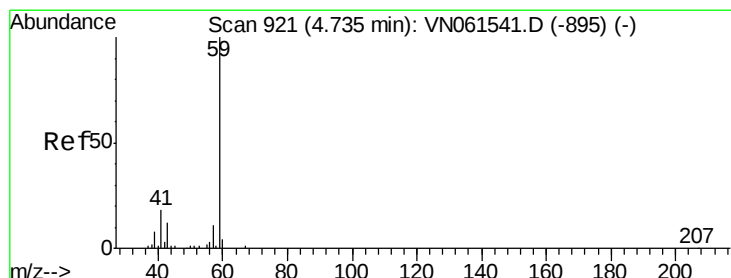
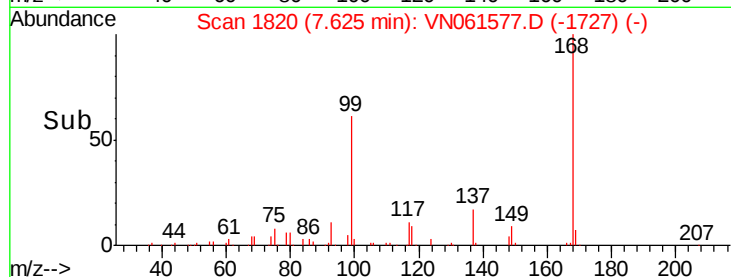
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.089 ug/l

RT: 4.72 min Scan# 917

Delta R.T. -0.01 min

Lab File: VN061577.D

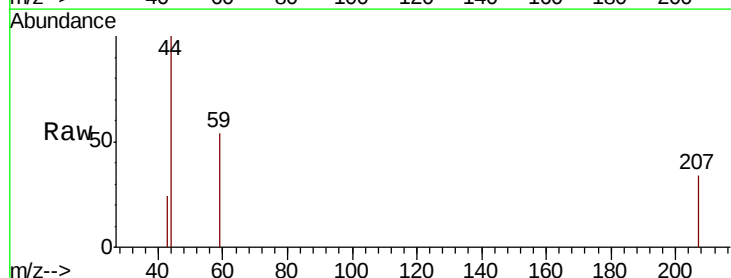
Acq: 29 May 2020 19:06

Tgt Ion: 59 Resp: 433

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.72

400

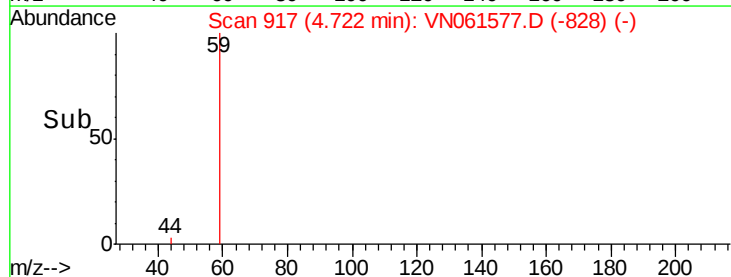
300

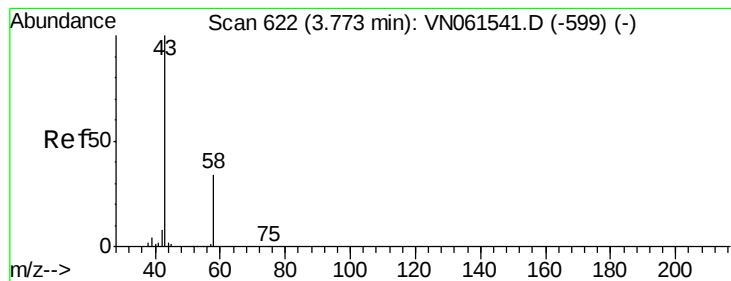
200

100

0

Time-->





#16

Acetone

Concen: 12.923 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061577.D

Acq: 29 May 2020 19:06

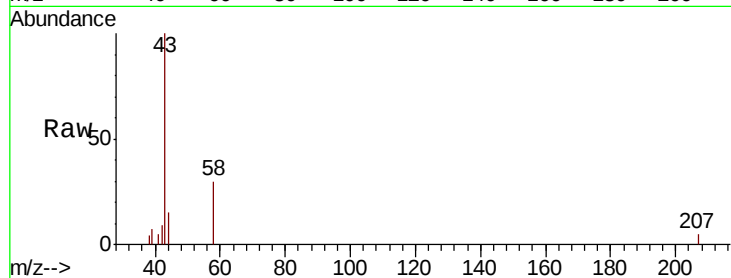
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 15497

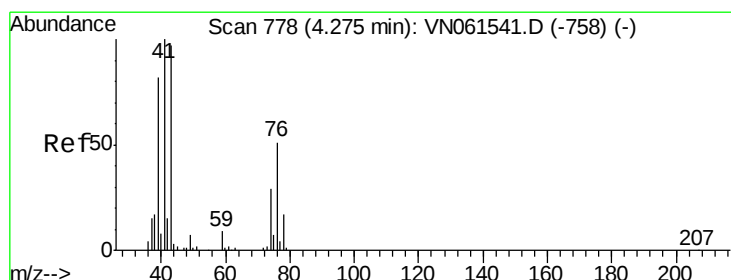
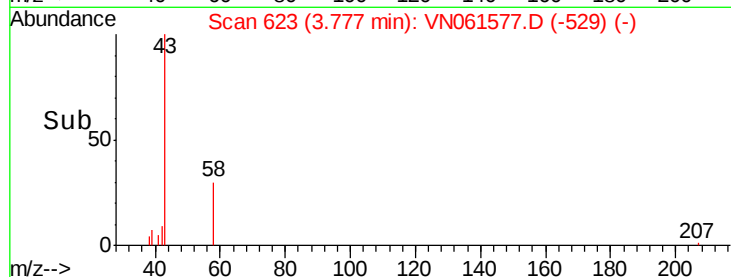
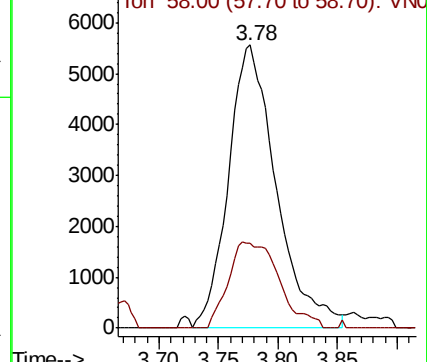
Ion Ratio Lower Upper

43 100

58 29.9 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-599) (-)



#18

Methyl Acetate

Concen: 0.434 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061577.D

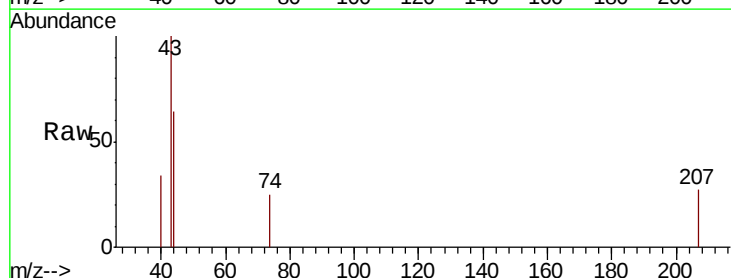
Acq: 29 May 2020 19:06

Tgt Ion: 43 Resp: 1175

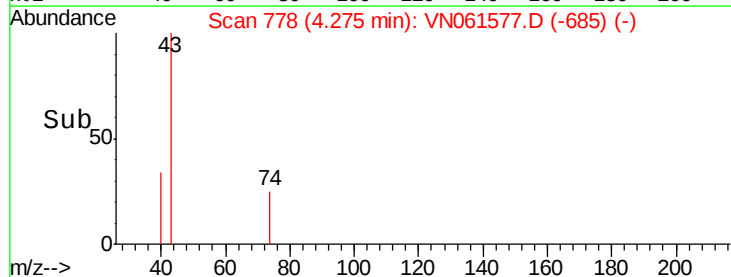
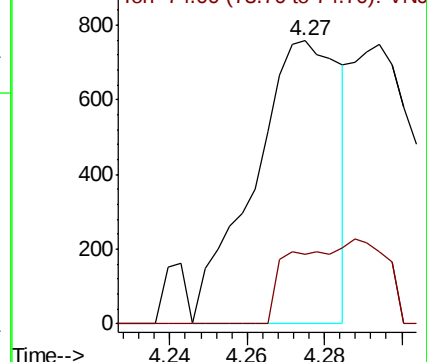
Ion Ratio Lower Upper

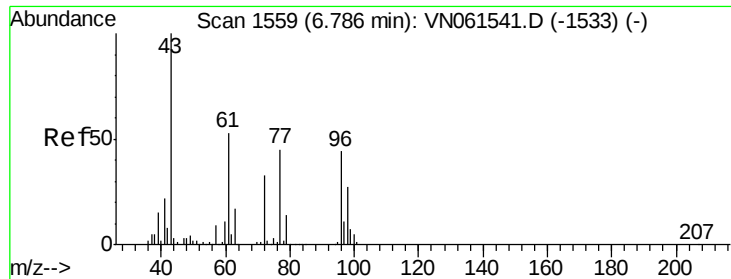
43 100

74 31.8 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-758) (-)

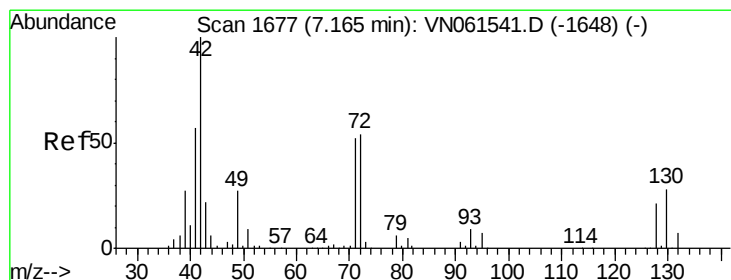
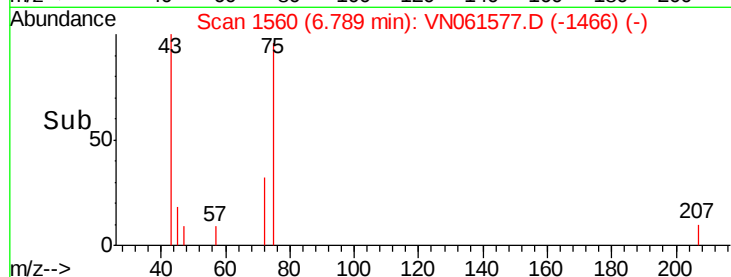
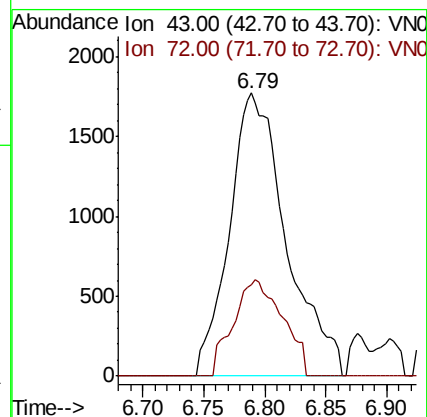
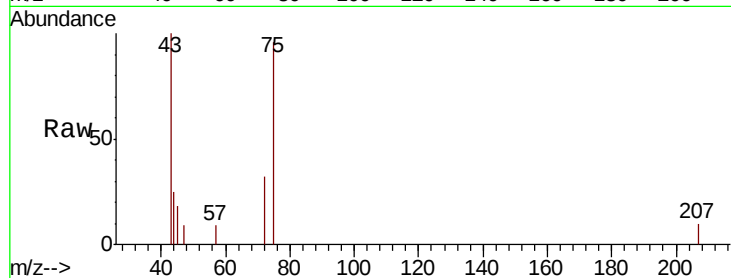




#25
2-Butanone
Concen: 4.052 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN061577.D
Acq: 29 May 2020 19:06

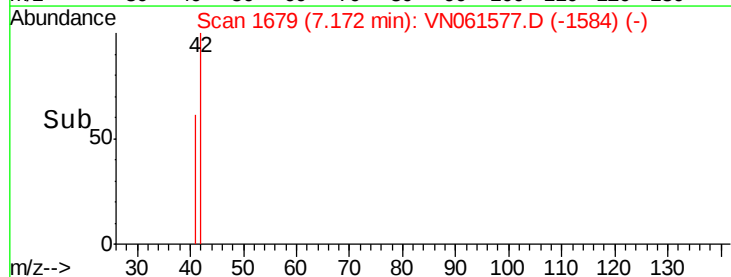
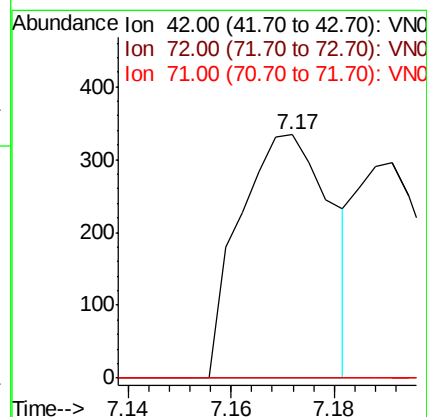
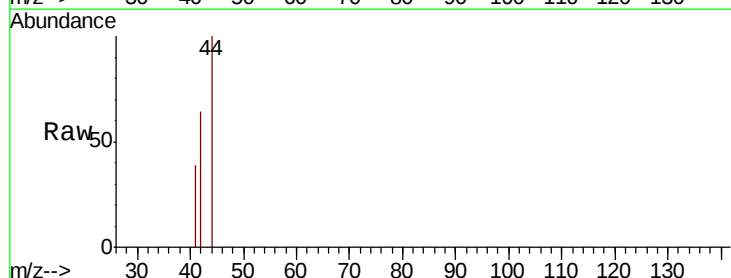
Instrument :
MSVOA_N
ClientSampleId :

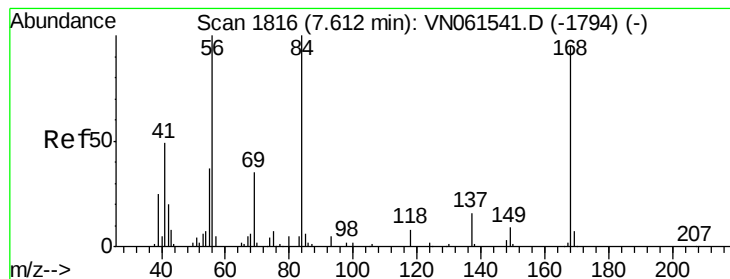
Tot Ion: 43 Resp: 5743
Ion Ratio Lower Upper
43 100
72 32.2 26.0 39.0



#29
Tetrahydrofuran
Concen: 0.439 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN061577.D
Acq: 29 May 2020 19:06

Tgt Ion: 42 Resp: 410
Ion Ratio Lower Upper
42 100
72 0.0 43.6 65.4#
71 0.0 41.2 61.8#





#31

Cyclohexane

Concen: 1.276 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061577.D

Acq: 29 May 2020 19:06

Instrument :

MSVOA_N

ClientSampled :

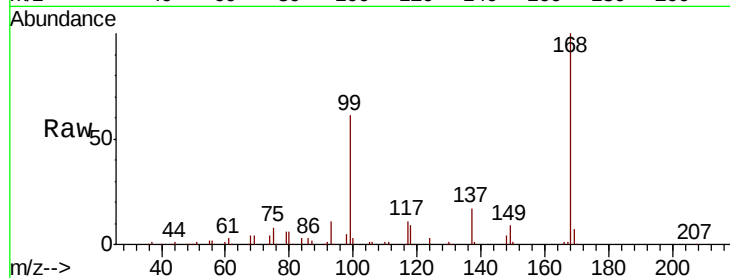
Tot Ion: 56 Resp: 5378

Ion Ratio Lower Upper

56 100

69 169.4 27.8 41.8#

84 124.9 79.9 119.9#

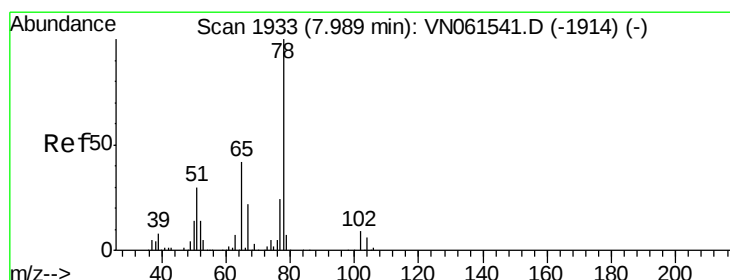
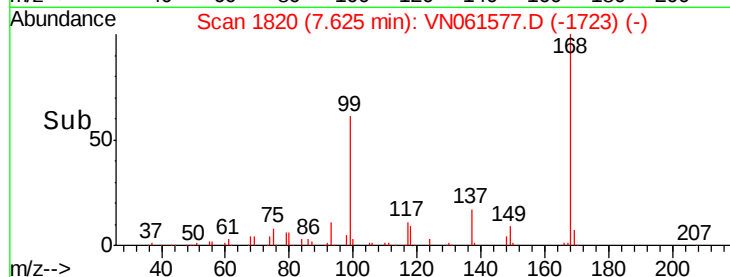
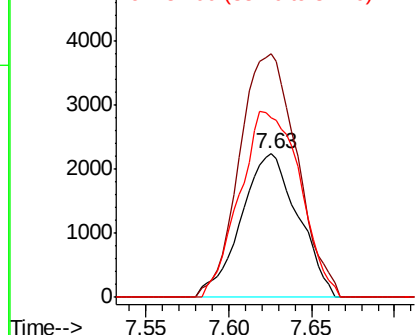


Abundance

Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 56.621 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061577.D

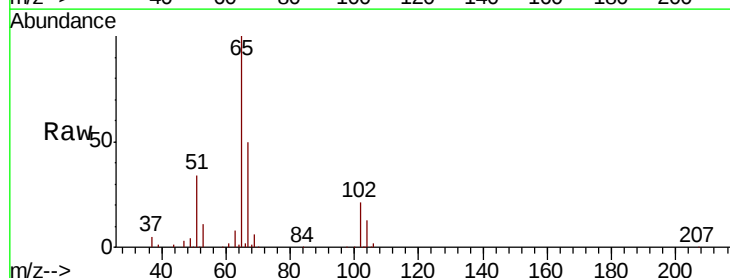
Acq: 29 May 2020 19:06

Tgt Ion: 65 Resp: 169320

Ion Ratio Lower Upper

65 100

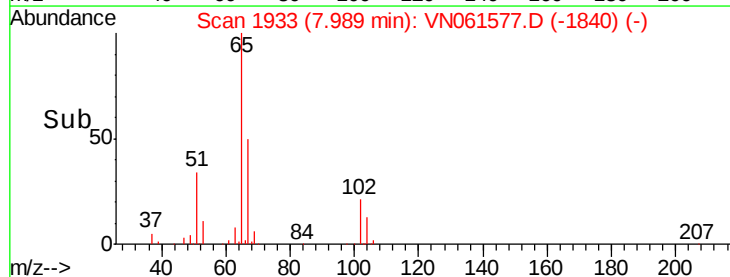
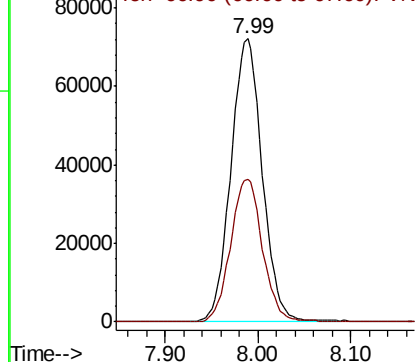
67 50.9 0.0 104.8

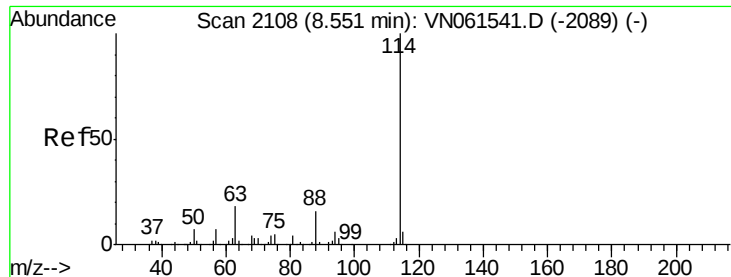


Abundance

Ion 64.90 (64.60 to 65.60): VNC

Ion 66.90 (66.60 to 67.60): VNC

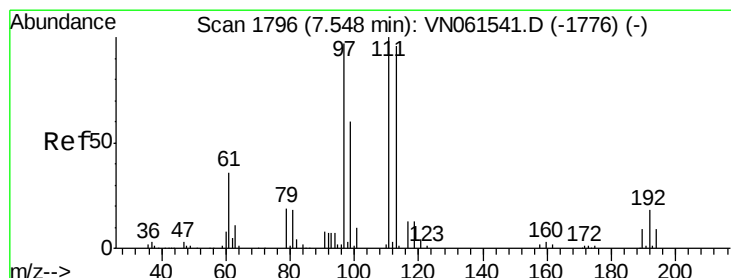
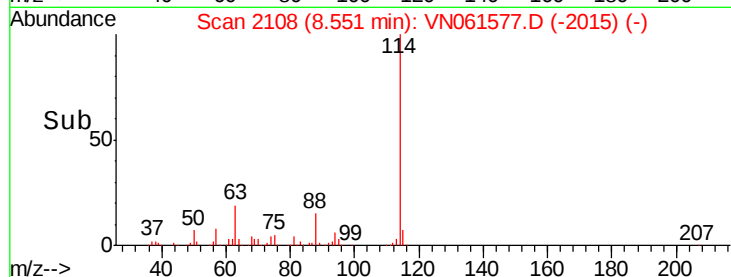
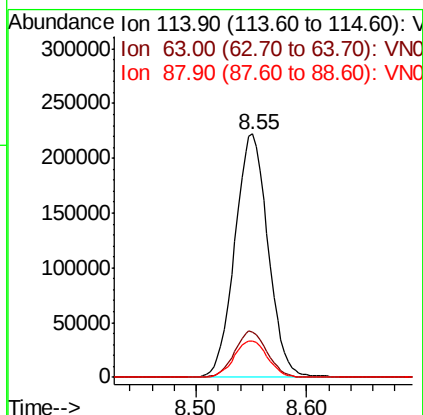
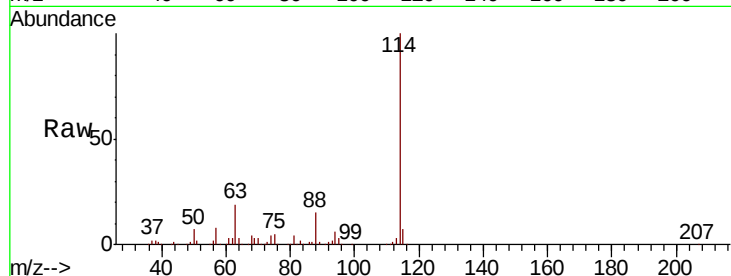




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061577.D
 Acq: 29 May 2020 19:06

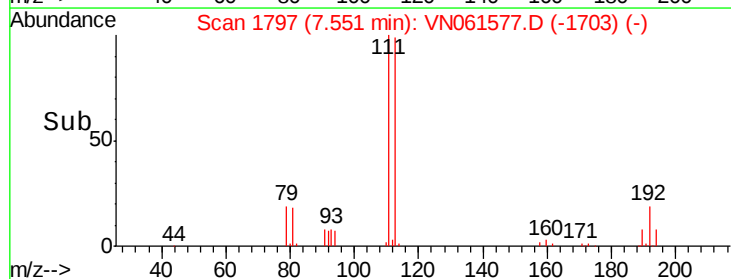
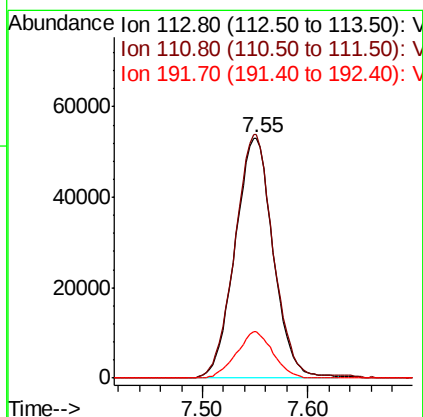
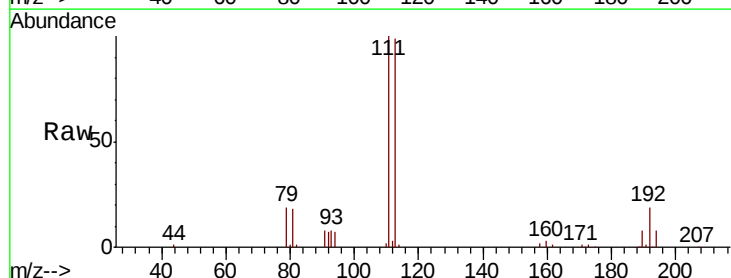
Instrument :
 MSVOA_N
 ClientSampled :

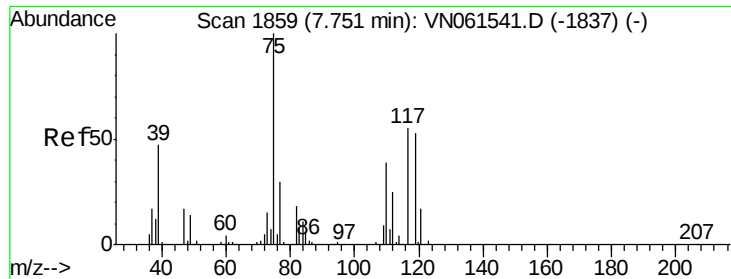
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	35.8
88	15.1	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 56.642 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061577.D
 Acq: 29 May 2020 19:06

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.4	125.0
192	18.5	15.4	23.2

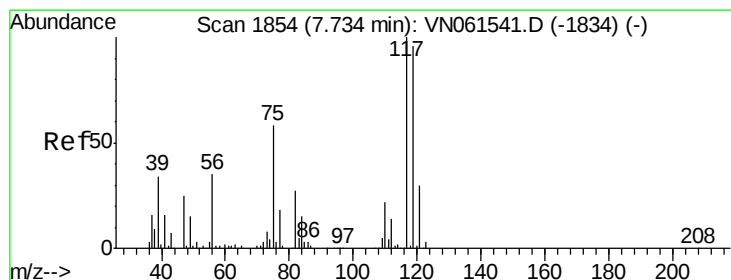
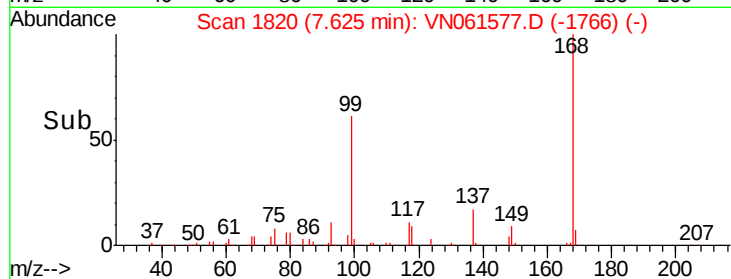
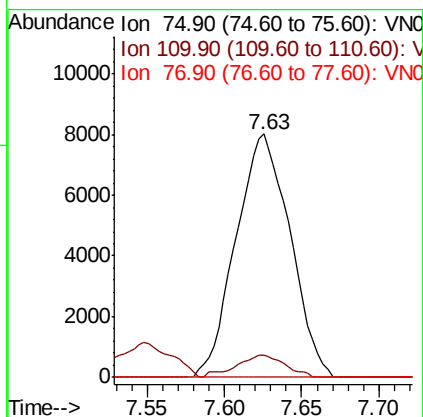
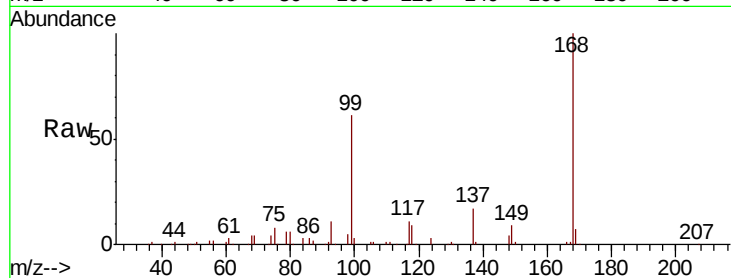




#36
 1,1-Dichloropropene
 Concen: 4.748 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061577.D
 Acq: 29 May 2020 19:06

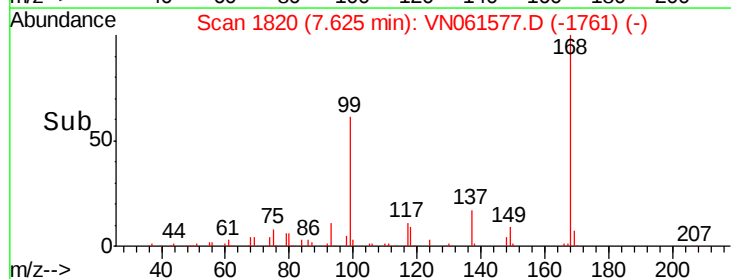
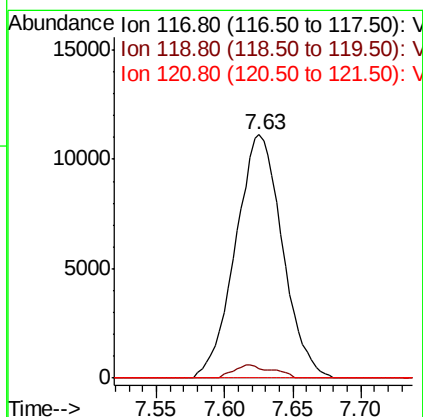
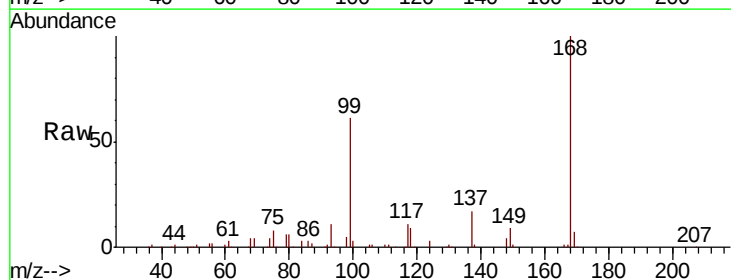
Instrument :
 MSVOA_N
 ClientSampled :

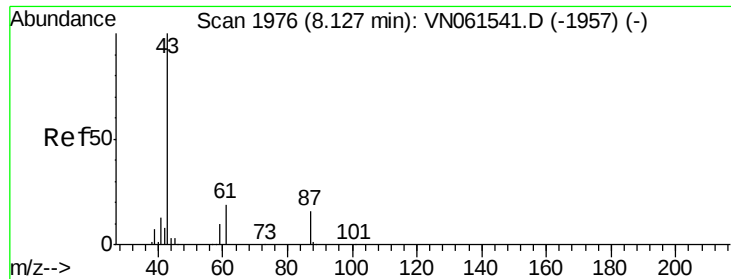
Tot Ion	75	Resp	19469
Ion Ratio	100	Lower	Upper
75	100		
110	8.3	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.712 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061577.D
 Acq: 29 May 2020 19:06

Tgt Ion	117	Resp	26546
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	3.8	76.5	114.7#
121	0.0	24.1	36.1#



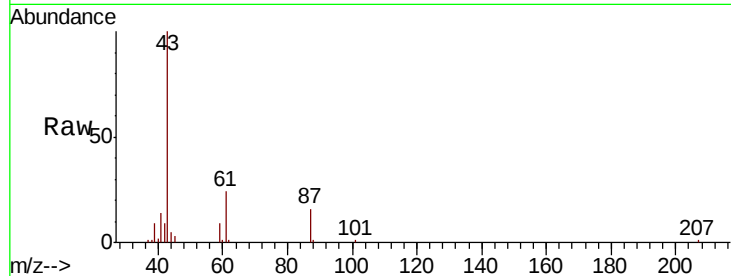


#43

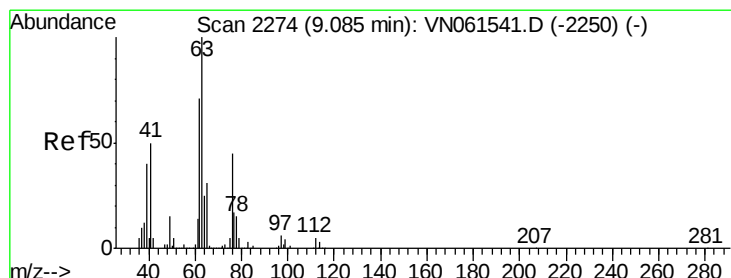
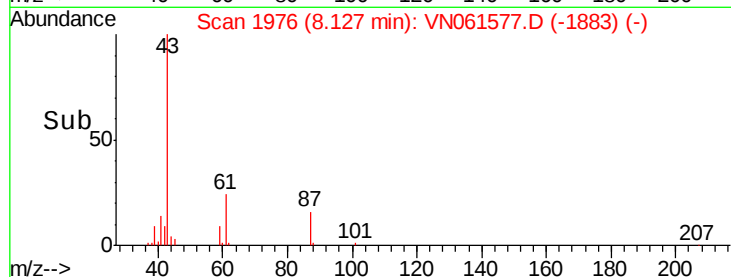
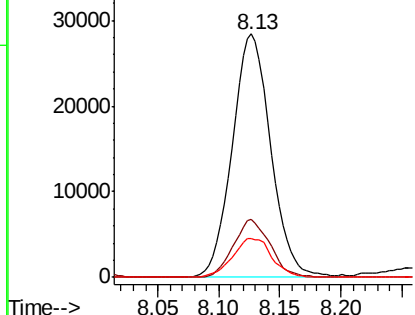
Isopropyl Acetate
 Concen: 10.488 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN061577.D
 Acq: 29 May 2020 19:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 62310
 Ion Ratio Lower Upper
 43 100
 61 22.5 23.6 35.4#
 87 16.0 13.0 19.6



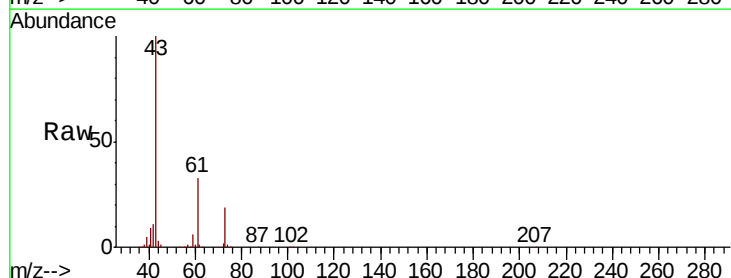
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



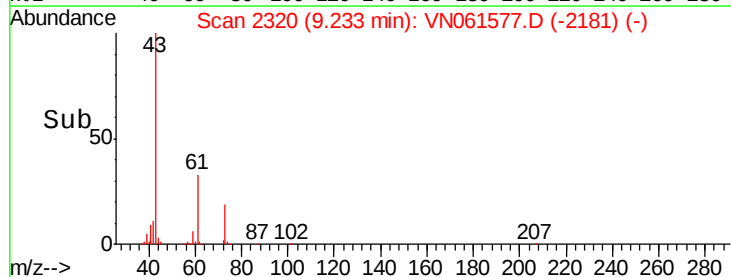
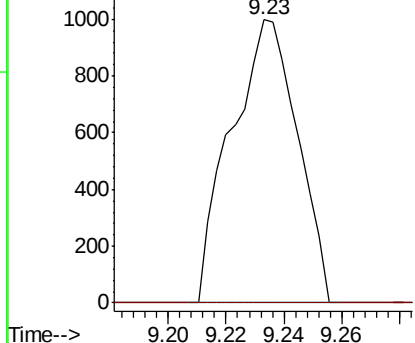
#45

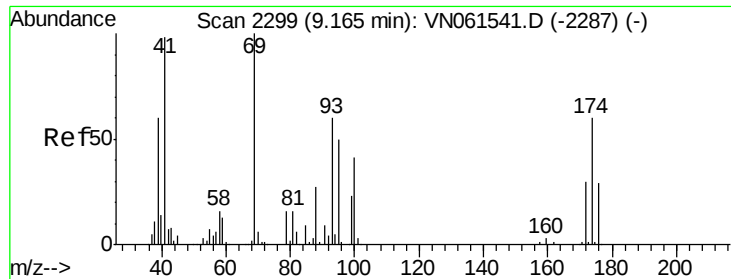
1,2-Dichloropropane
 Concen: 0.528 ug/l
 RT: 9.23 min Scan# 2320
 Delta R.T. 0.15 min
 Lab File: VN061577.D
 Acq: 29 May 2020 19:06

Tgt Ion: 63 Resp: 1586
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 64.90 (64.60 to 65.60): VN0

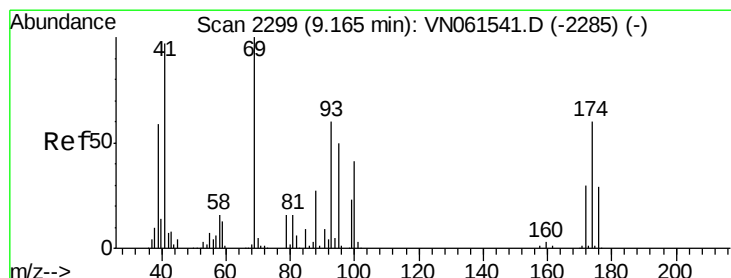
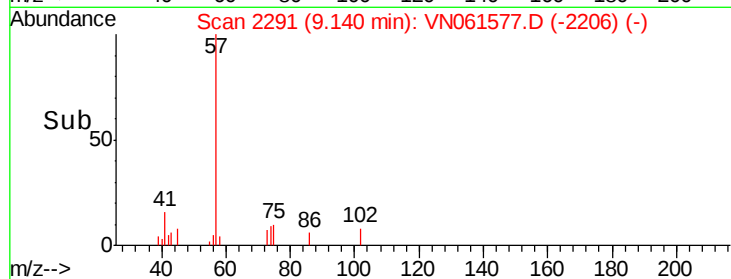
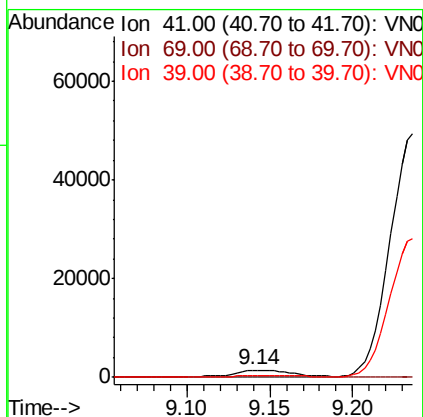
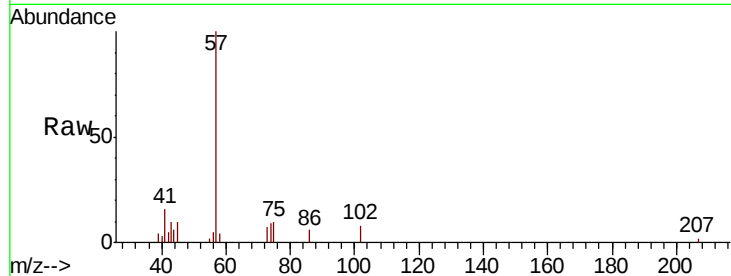




#48
Methvl methacrylate
Concen: 1.389 ug/l
RT: 9.14 min Scan# 2291
Delta R.T. -0.03 min
Lab File: VN061577.D
Acq: 29 May 2020 19:06

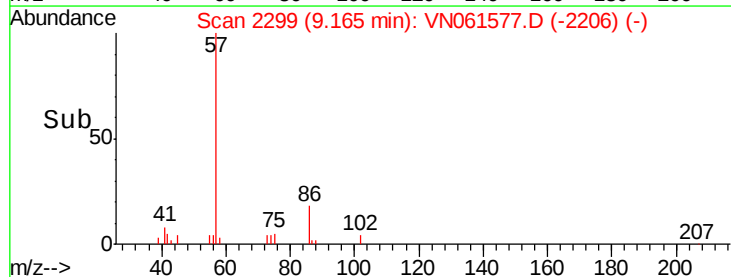
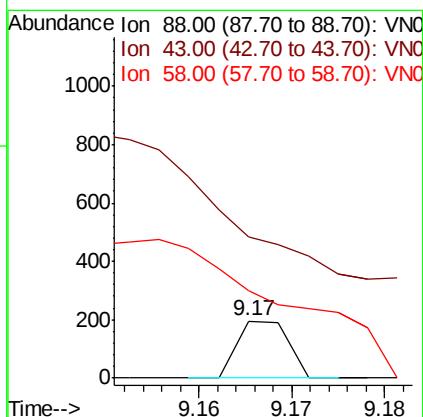
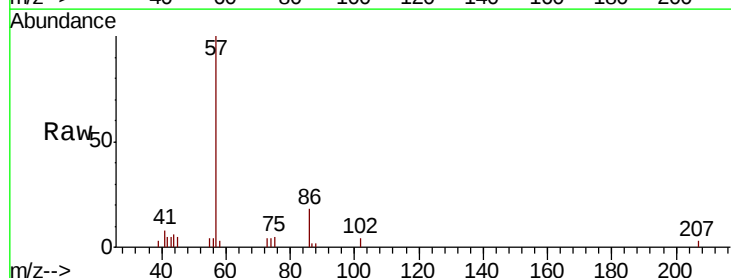
Instrument :
MSVOA_N
ClientSampled :

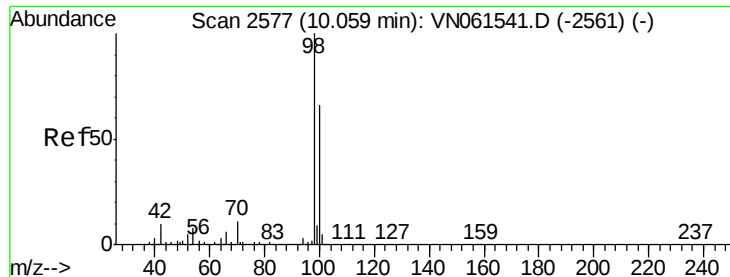
Tot Ion: 41 Resp: 3713
Ion Ratio Lower Upper
41 100
69 0.0 83.9 125.9#
39 0.0 52.1 78.1#



#49
1,4-Dioxane
Concen: 1.811 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061577.D
Acq: 29 May 2020 19:06

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 0.0 23.1 34.7#
58 1361.3 48.3 72.5#





#50

Toluene-d8

Concen: 52.944 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061577.D

Acq: 29 May 2020 19:06

Instrument :

MSVOA_N

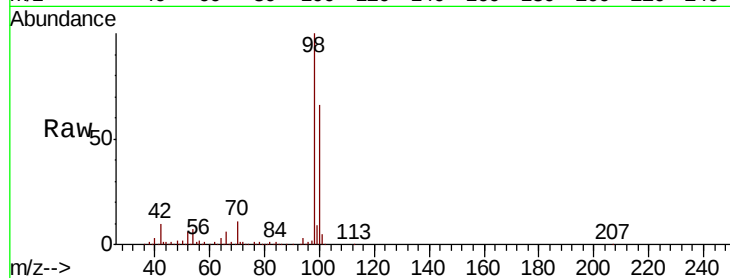
ClientSampled :

Tot Ion: 98 Resp: 576449

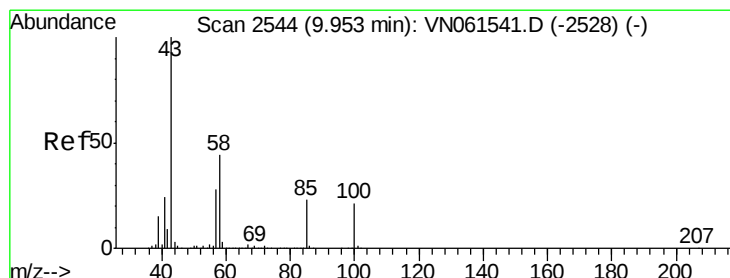
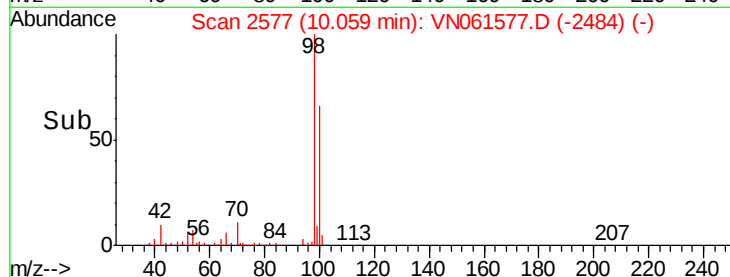
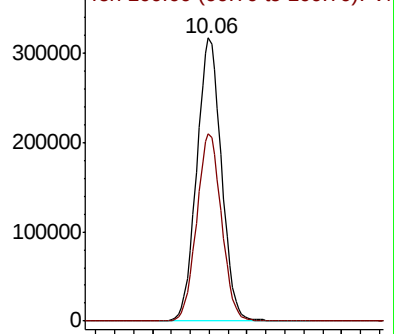
Ion Ratio Lower Upper

98 100

100 66.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061541.D (-2561) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.919 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061577.D

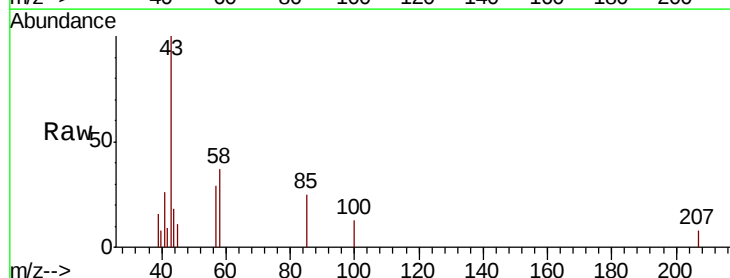
Acq: 29 May 2020 19:06

Tgt Ion: 43 Resp: 6425

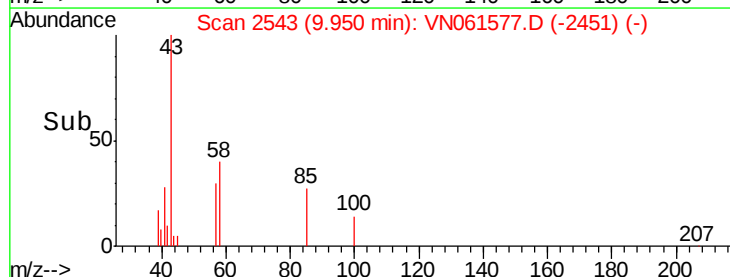
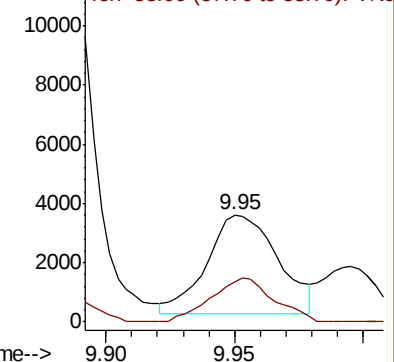
Ion Ratio Lower Upper

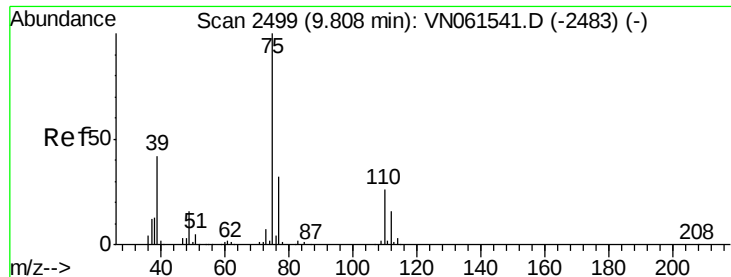
43 100

58 39.1 35.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-2528) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.365 ug/l

RT: 9.87 min Scan# 2519

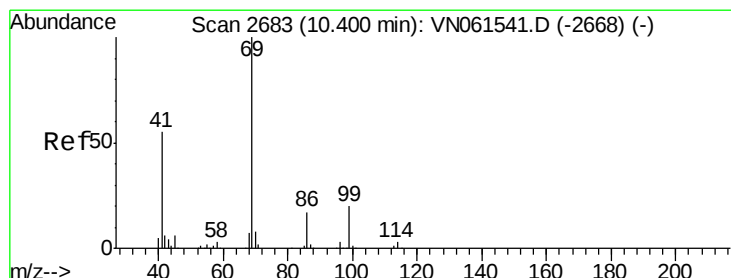
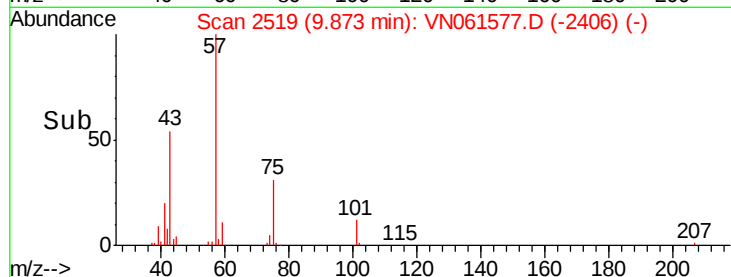
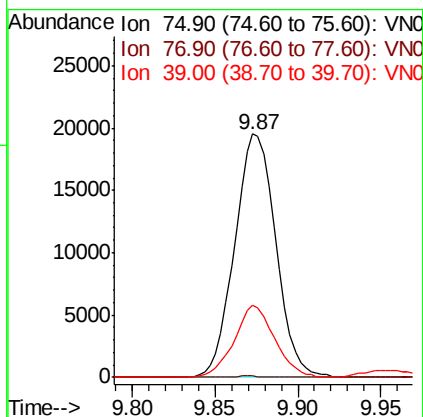
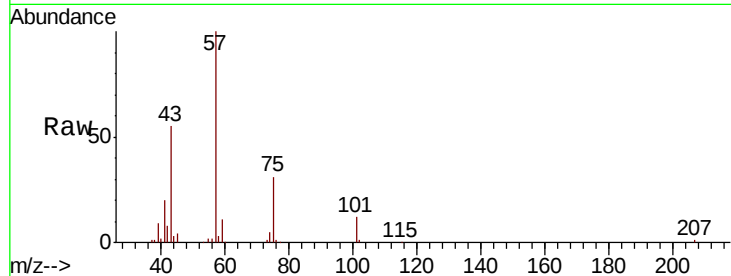
Delta R.T. 0.06 min

Lab File: VN061577.D

Acq: 29 May 2020 19:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	75	Resp:	33654
Ion	Ratio	Lower	Upper
75	100		
77	0.8	25.4	38.2#
39	29.6	33.8	50.6#



#56

Ethyl methacrylate

Concen: 0.243 ug/l

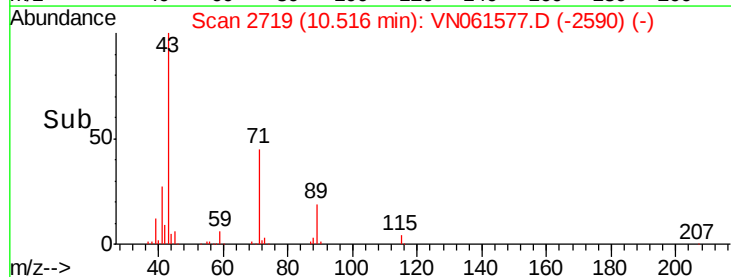
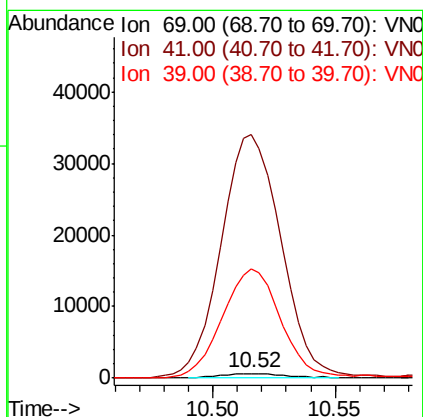
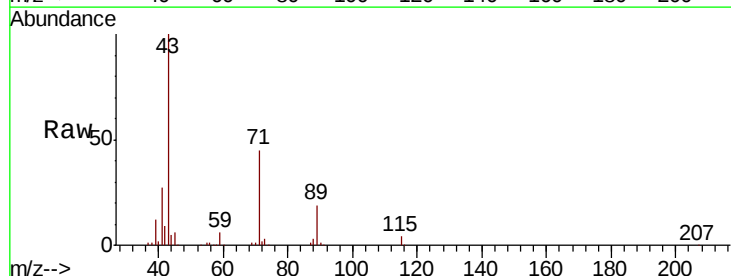
RT: 10.52 min Scan# 2719

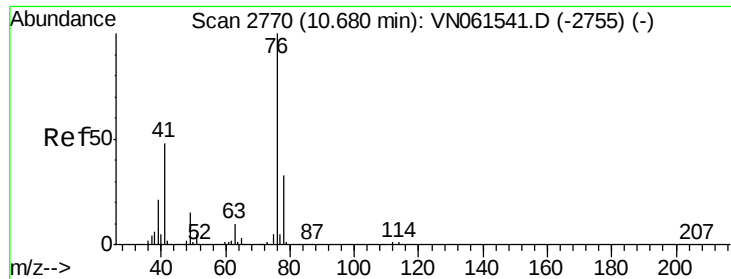
Delta R.T. 0.12 min

Lab File: VN061577.D

Acq: 29 May 2020 19:06

Tgt Ion:	69	Resp:	1116
Ion	Ratio	Lower	Upper
69	100		
41	5262.6	43.5	65.3#
39	2270.0	27.0	40.6#

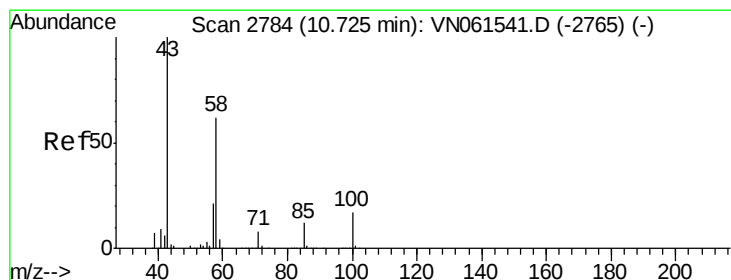
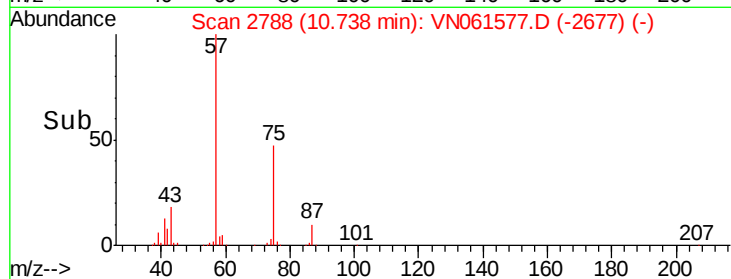
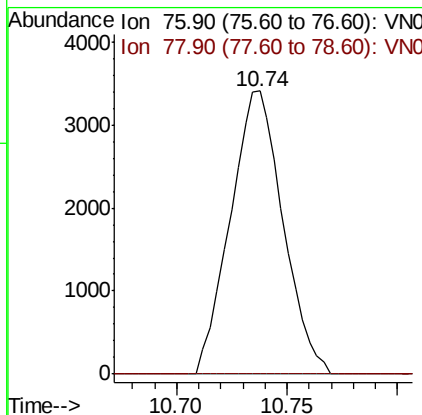
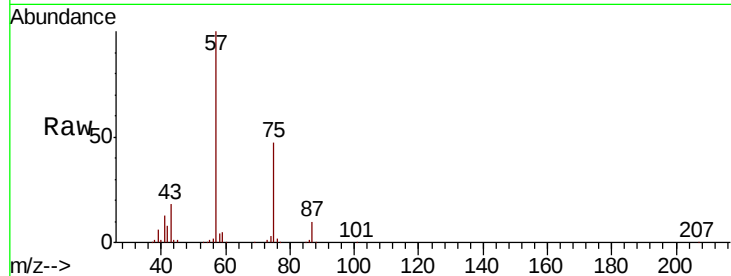




#57
 1,3-Dichloropropane
 Concen: 1.070 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN061577.D
 Acq: 29 May 2020 19:06

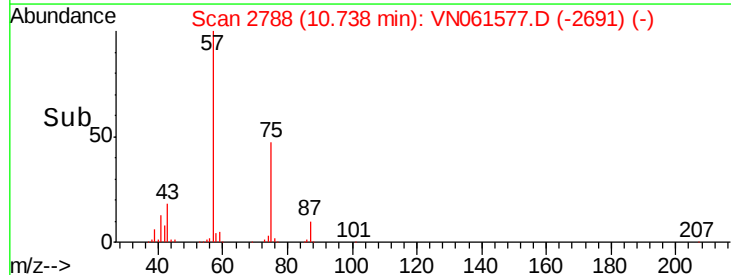
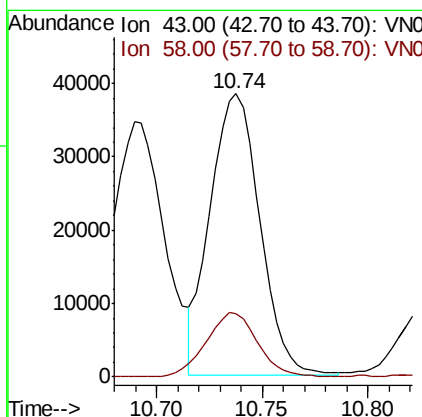
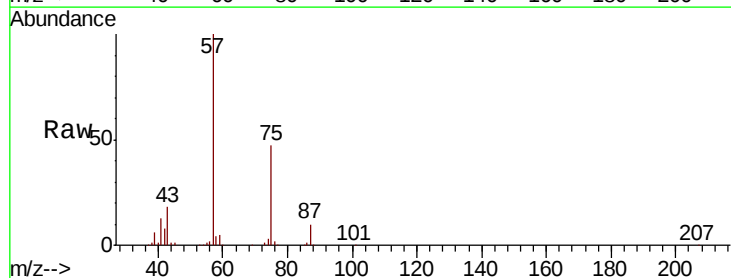
Instrument :
 MSVOA_N
 ClientSampleId :

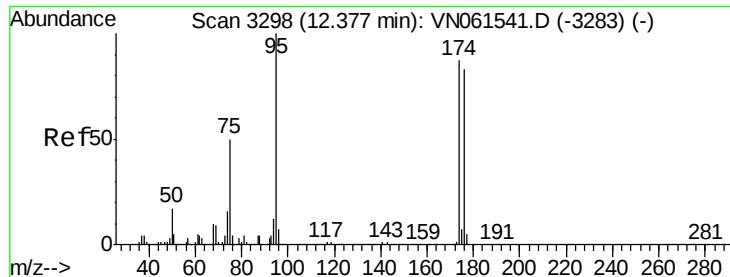
Tot Ion: 76 Resp: 5629
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 26.062 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN061577.D
 Acq: 29 May 2020 19:06

Tgt Ion: 43 Resp: 62666
 Ion Ratio Lower Upper
 43 100
 58 23.7 30.7 92.1#

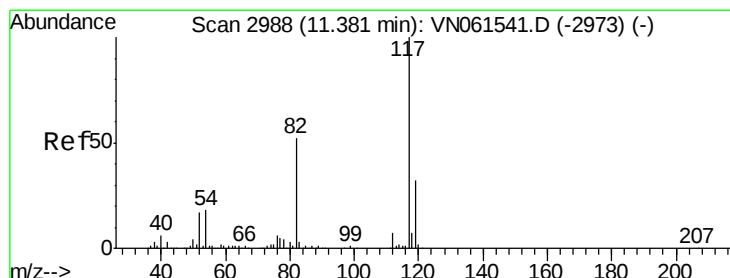
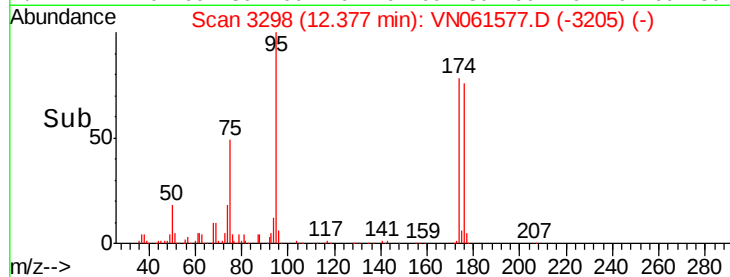
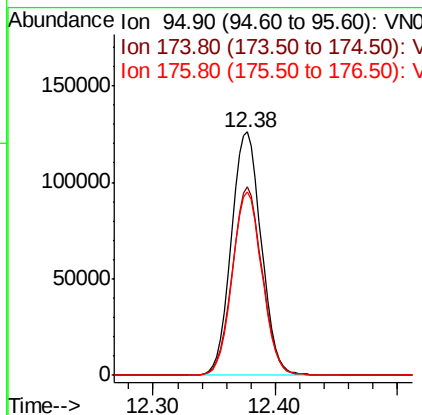
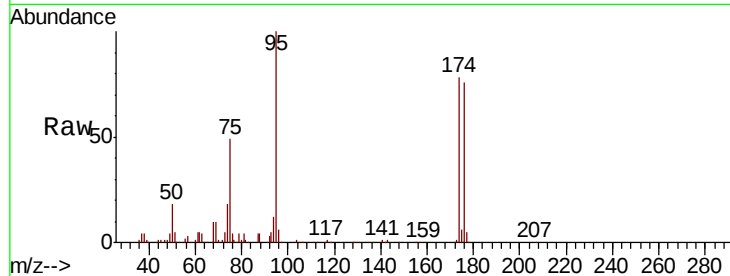




#62
4-Bromofluorobenzene
Concen: 54.351 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061577.D
Acq: 29 May 2020 19:06

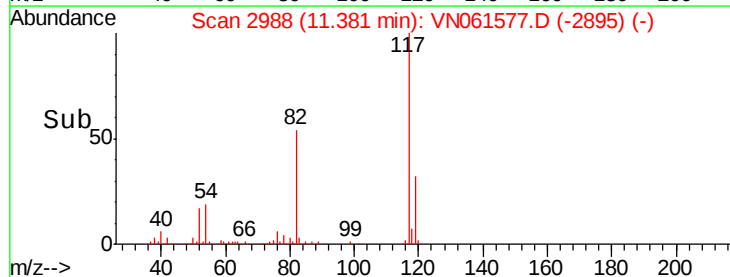
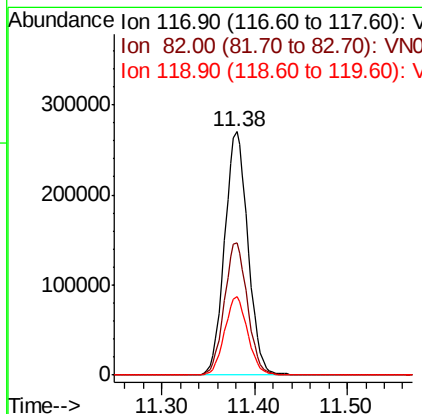
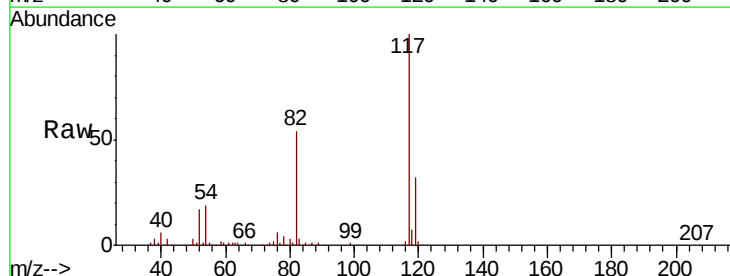
Instrument :
MSVOA_N
ClientSampleId :

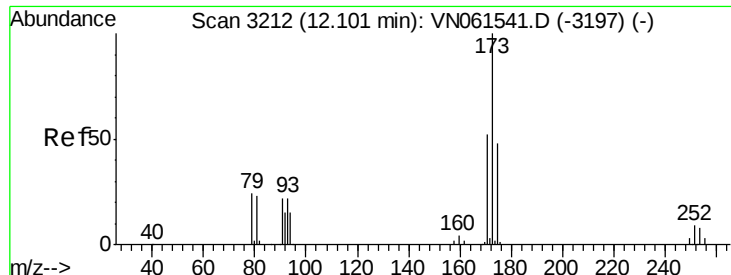
Tot Ion	95	Resp	215899
Ion Ratio	Lower	Upper	
95	100		
174	76.9	0.0	172.8
176	74.7	0.0	164.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061577.D
Acq: 29 May 2020 19:06

Tgt Ion	117	Resp	471000
Ion Ratio	Lower	Upper	
117	100		
82	54.3	41.5	62.3
119	32.0	25.6	38.4





#71

Bromoform

Concen: 0.591 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN061577.D

Acq: 29 May 2020 19:06

Instrument :

MSVOA_N

ClientSampled :

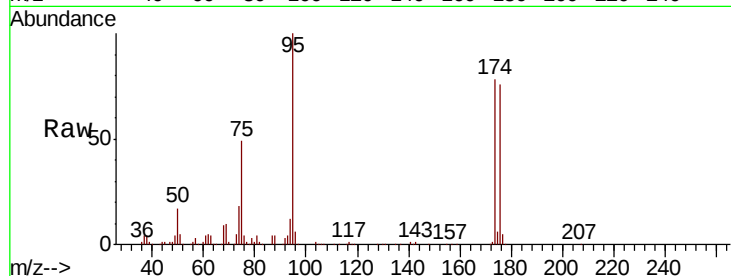
Tot Ion:173 Resp: 1660

Ion Ratio Lower Upper

173 100

175 644.0 24.4 73.2#

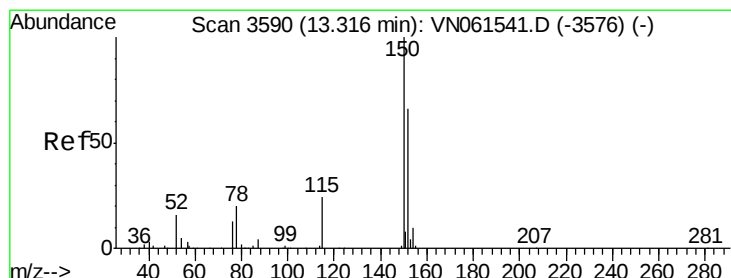
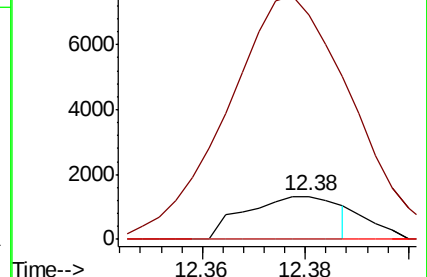
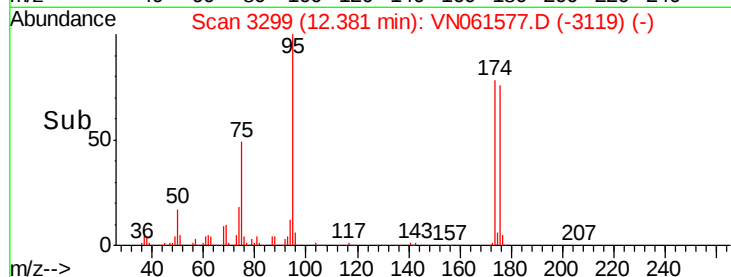
254 0.0 0.0 0.0



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# 3591

Delta R.T. 0.00 min

Lab File: VN061577.D

Acq: 29 May 2020 19:06

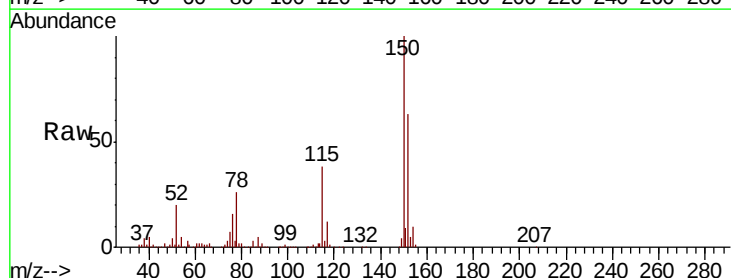
Tgt Ion:152 Resp: 208060

Ion Ratio Lower Upper

152 100

115 60.3 28.0 84.0

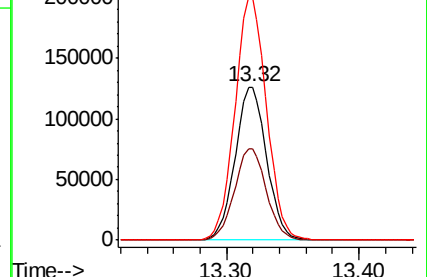
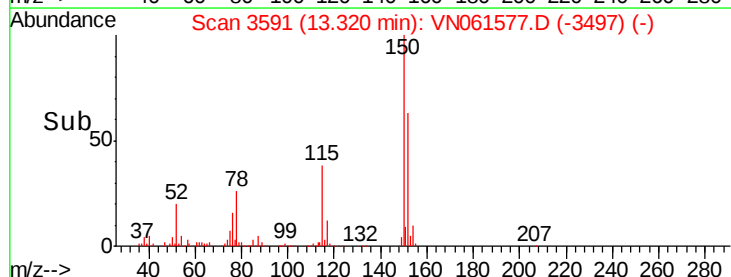
150 159.1 0.0 344.0

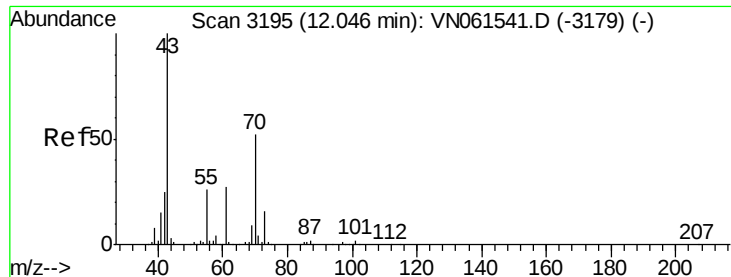


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.802 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN061577.D

Acq: 29 May 2020 19:06

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3835

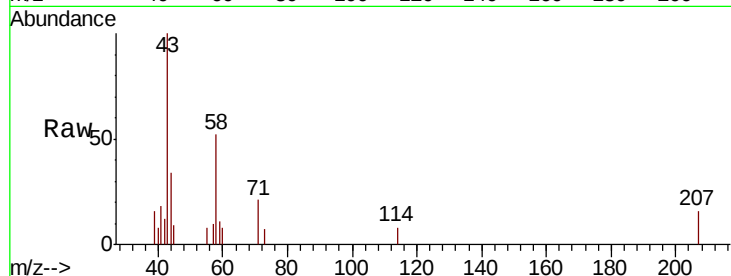
Ion Ratio Lower Upper

43 100

70 0.0 40.5 60.7#

55 1.7 20.6 31.0#

61 0.0 21.8 32.6#

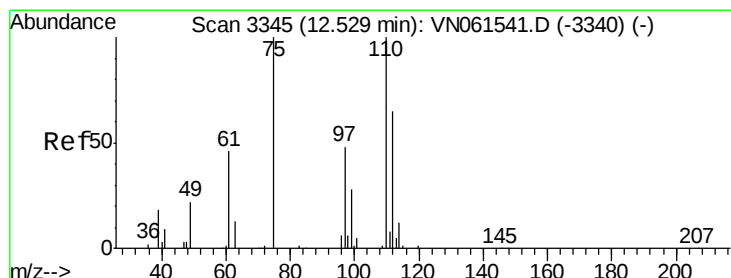
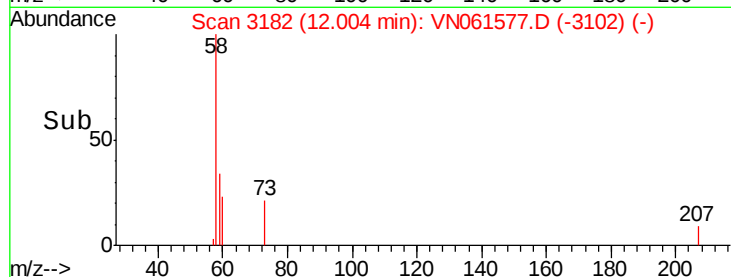
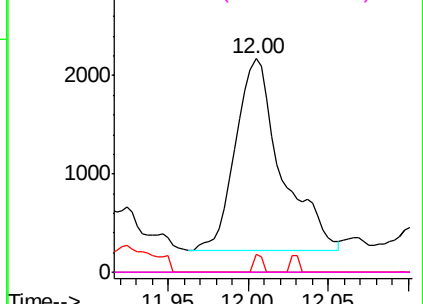


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 27.873 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061577.D

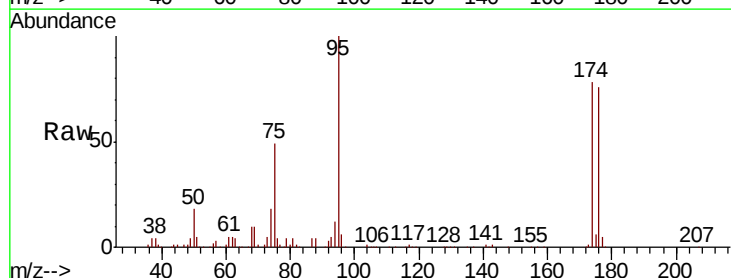
Acq: 29 May 2020 19:06

Tgt Ion: 75 Resp: 105452

Ion Ratio Lower Upper

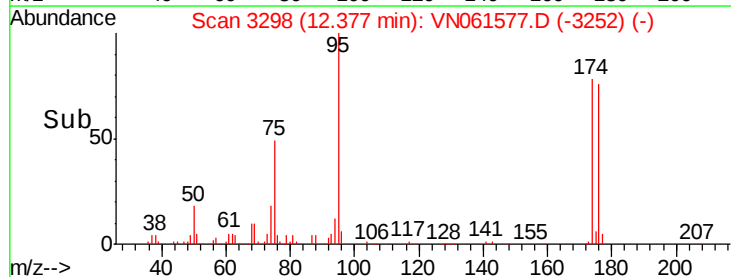
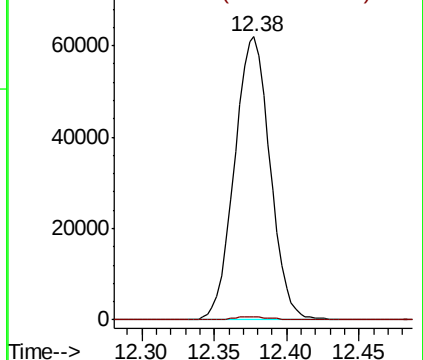
75 100

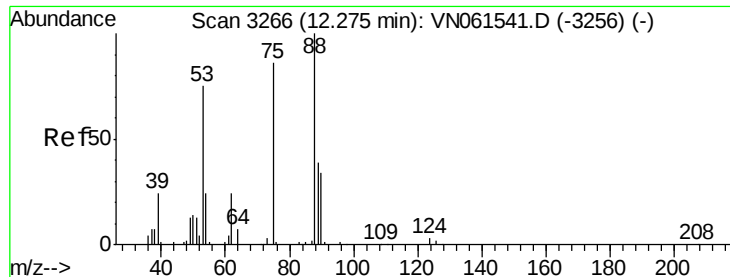
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

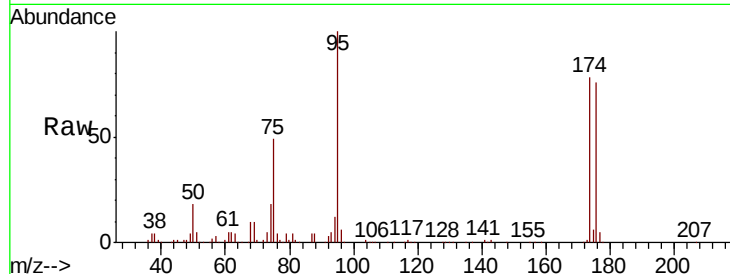




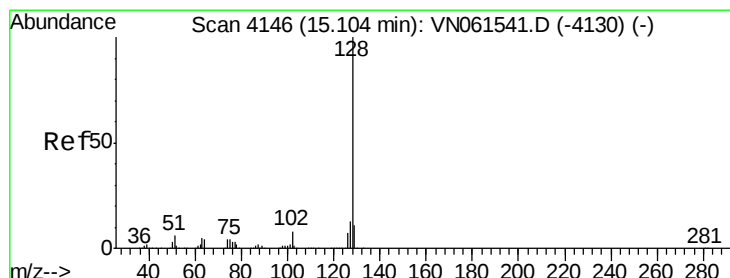
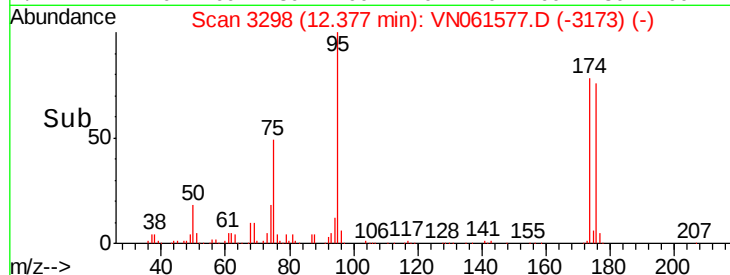
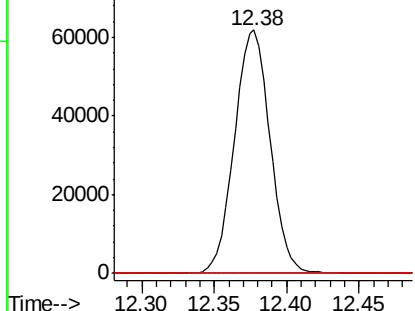
#81
trans-1,4-Dichloro-2-butene
Concen: 71.278 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN061577.D
Acq: 29 May 2020 19:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 105452
Ion Ratio Lower Upper
75 100
53 0.0 67.8 101.8#
89 0.0 37.1 55.7#

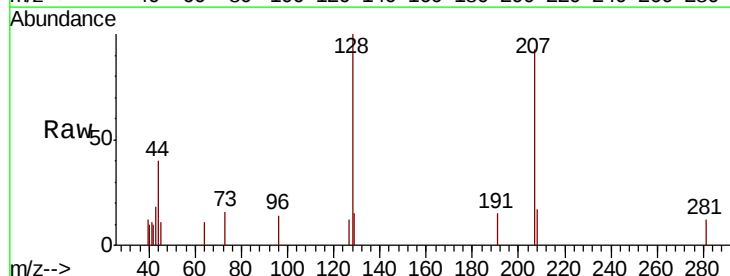


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#95
Naphthalene
Concen: 0.221 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061577.D
Acq: 29 May 2020 19:06

Tgt Ion: 128 Resp: 2575
Ion Ratio Lower Upper
128 100
127 7.1 10.0 15.0#
129 8.5 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

