

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060820\
 Data File : VN061699.D
 Acq On : 8 Jun 2020 16:31
 Operator : JC/MD
 Sample : L2890-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 26572-25062-251686

Quant Time: Jun 09 03:13:00 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	299958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	518493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	517983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	234217	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	171133	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
35) Dibromofluoromethane	7.55	113	149035	56.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.32%	
50) Toluene-d8	10.06	98	622649	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.38	95	225152	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	

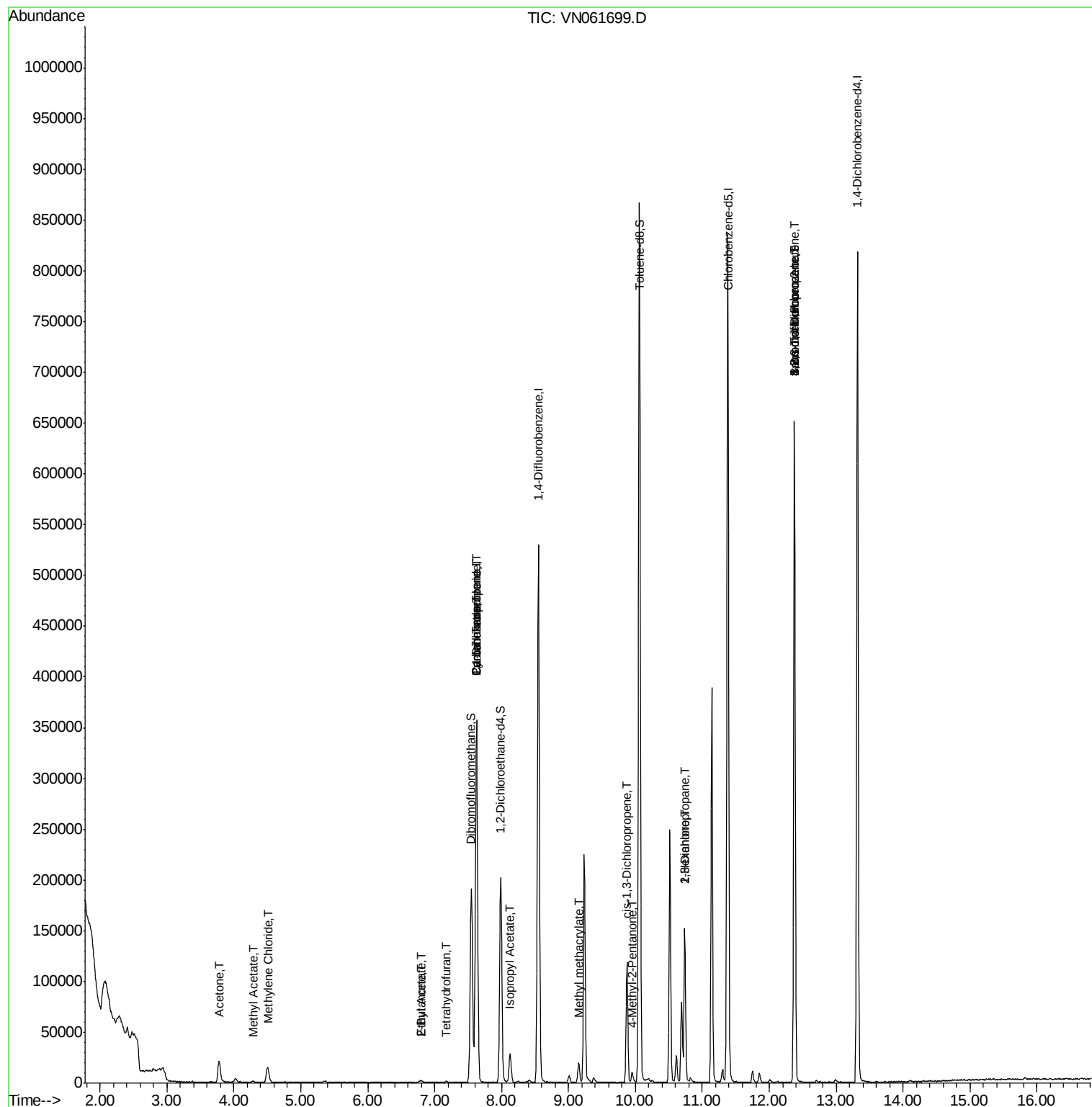
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	34117	29.16	ug/l	98
18) Methyl Acetate	4.28	43	1072	0.33	ug/l #	64
20) Methylene Chloride	4.51	84	12200	2.09	ug/l	94
25) 2-Butanone	6.79	43	2115	1.25	ug/l	98
29) Tetrahydrofuran	7.18	42	821	0.74	ug/l #	28
31) Cyclohexane	7.63	56	5742	1.14	ug/l #	25
36) 1,1-Dichloropropene	7.63	75	20400	4.44	ug/l #	48
37) Ethyl Acetate	6.79	43	2115	0.57	ug/l #	66
38) Carbon Tetrachloride	7.63	117	29415	6.64	ug/l #	16
43) Isopropyl Acetate	8.13	43	31771	4.78	ug/l #	91
48) Methyl methacrylate	9.15	41	2036	0.68	ug/l #	18
51) 4-Methyl-2-Pentanone	9.95	43	5824	1.55	ug/l	88
54) cis-1,3-Dichloropropene	9.88	75	23438	3.96	ug/l #	64
57) 1,3-Dichloropropane	10.73	76	1684	0.29	ug/l #	42
59) 2-Hexanone	10.74	43	18548	6.89	ug/l #	51
71) Bromoform	12.37	173	2020	0.65	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	107483	25.24	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	107483	64.54	ug/l #	15

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061699.D

Acq: 8 Jun 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

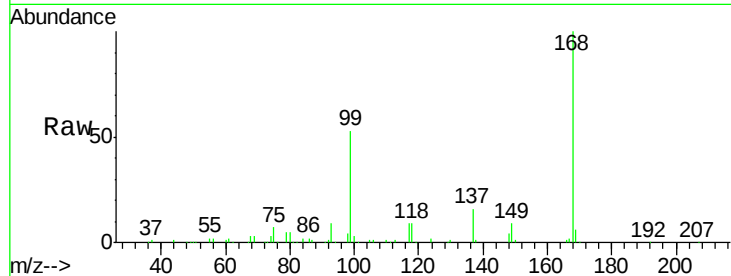
26572-25062-251686

Tgt Ion:168 Resp: 299958

Ion Ratio Lower Upper

168 100

99 53.3 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

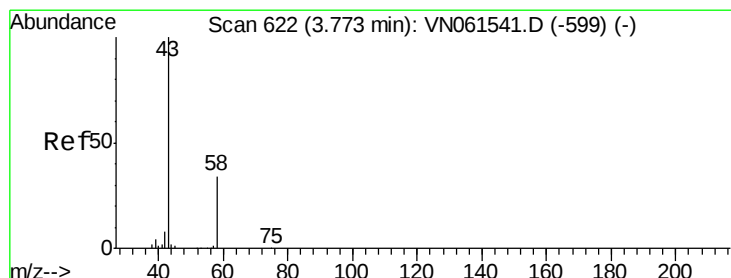
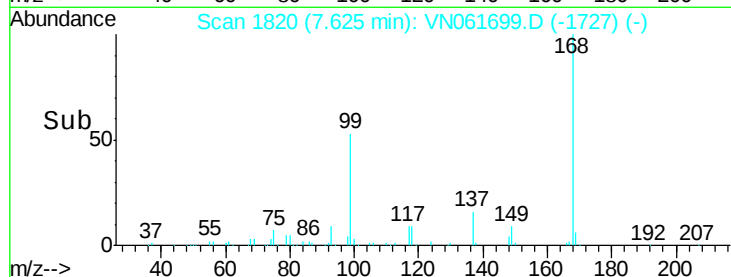
150000

100000

50000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#16

Acetone

Concen: 29.16 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061699.D

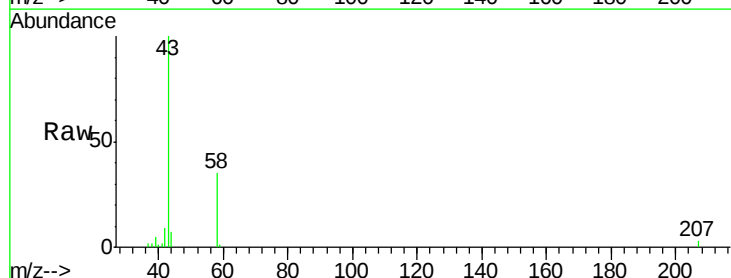
Acq: 8 Jun 2020 16:31

Tgt Ion: 43 Resp: 34117

Ion Ratio Lower Upper

43 100

58 35.3 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

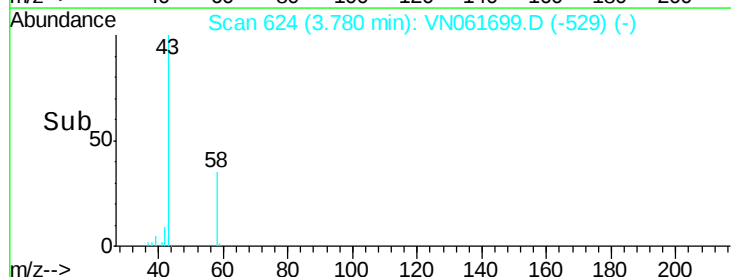
15000

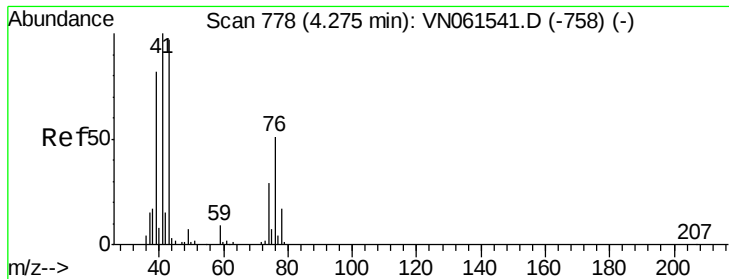
10000

5000

0

Time--> 3.70 3.75 3.80 3.85

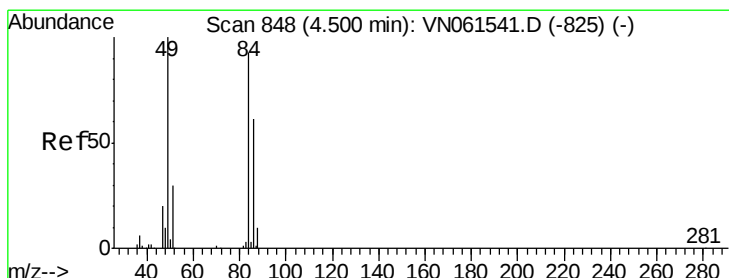
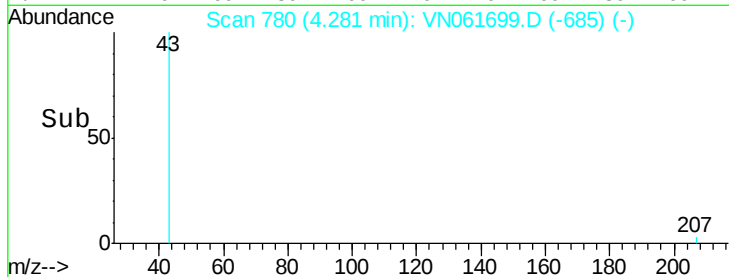
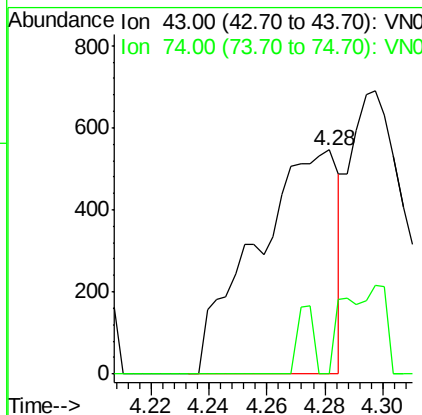
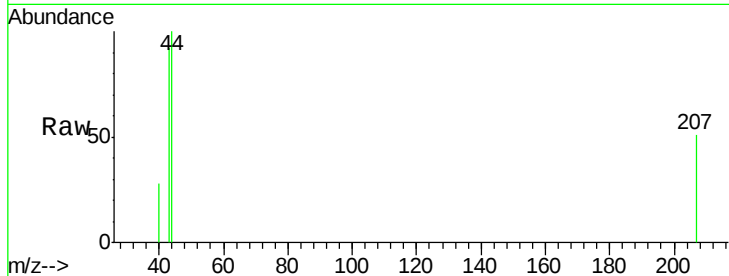




#18
Methyl Acetate
Concen: 0.33 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN061699.D
Acq: 8 Jun 2020 16:31

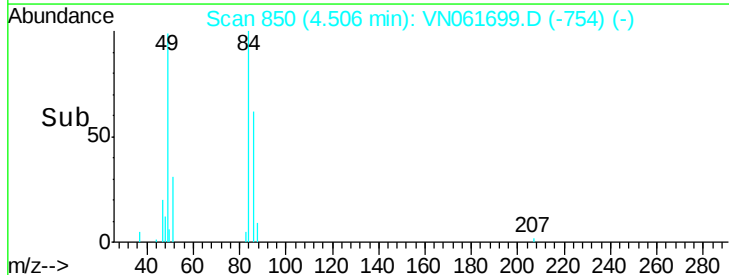
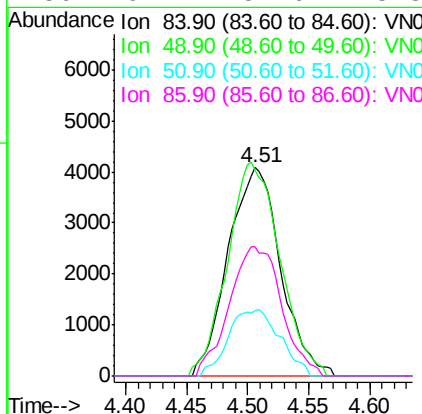
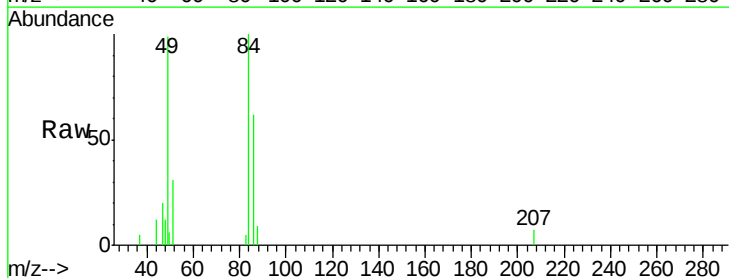
Instrument :
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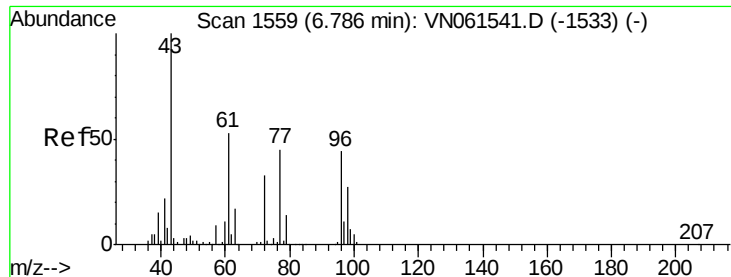
Tgt Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
74 9.6 23.2 34.8#



#20
Methylene Chloride
Concen: 2.09 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN061699.D
Acq: 8 Jun 2020 16:31

Tgt Ion: 84 Resp: 12200
Ion Ratio Lower Upper
84 100
49 99.1 85.8 128.8
51 31.1 26.2 39.2
86 62.2 52.6 78.8

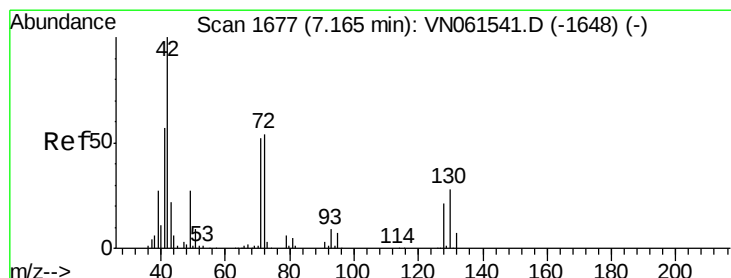
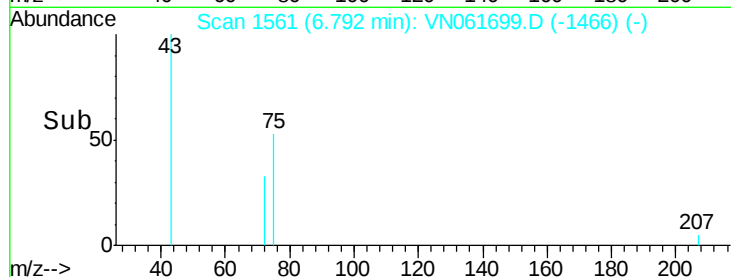
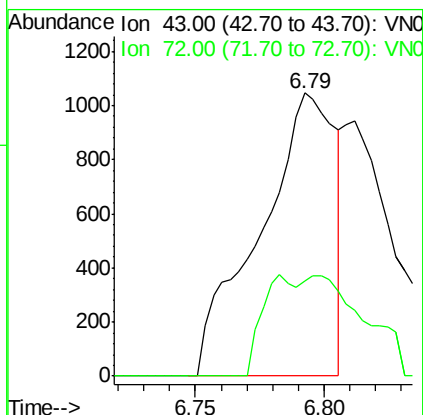
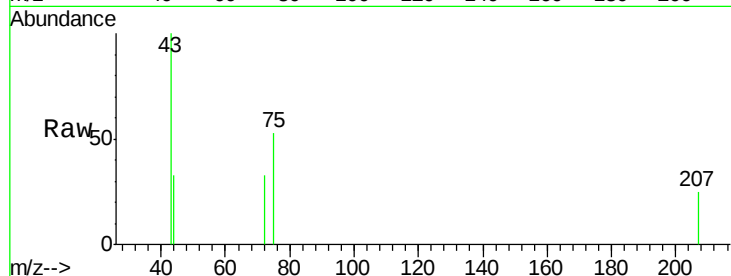




#25
 2-Butanone
 Concen: 1.25 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: VN061699.D
 Acq: 8 Jun 2020 16:31

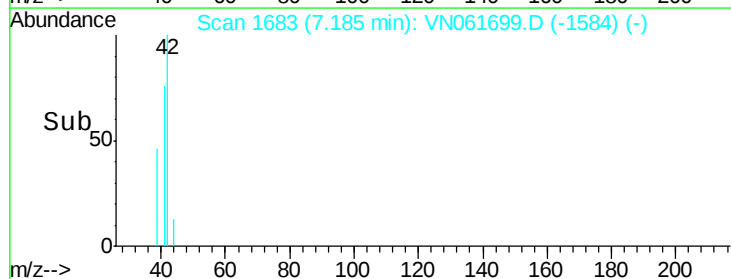
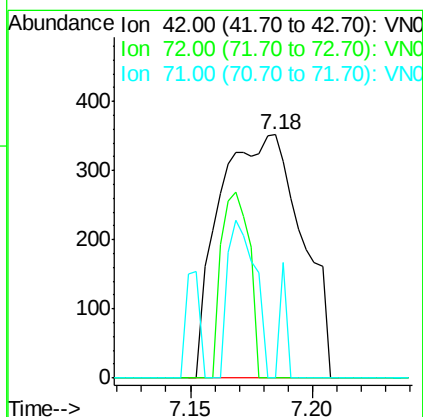
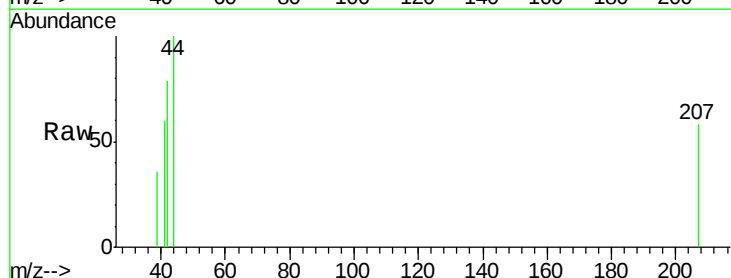
Instrument :
 MSVOA_N
 ClientSampleId :
 26572-25062-251686

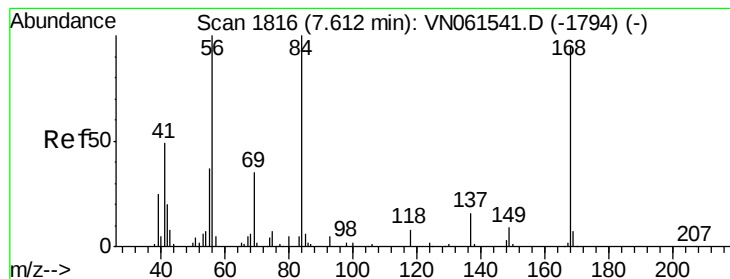
Tgt Ion: 43 Resp: 2115
 Ion Ratio Lower Upper
 43 100
 72 33.5 26.0 39.0



#29
 Tetrahydrofuran
 Concen: 0.74 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.02 min
 Lab File: VN061699.D
 Acq: 8 Jun 2020 16:31

Tgt Ion: 42 Resp: 821
 Ion Ratio Lower Upper
 42 100
 72 0.0 43.6 65.4#
 71 3.9 41.2 61.8#





#31

Cyclohexane

Concen: 1.14 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061699.D

Acq: 8 Jun 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

26572-25062-251686

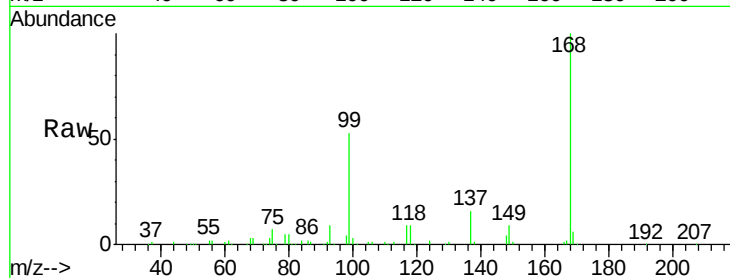
Tgt Ion: 56 Resp: 5742

Ion Ratio Lower Upper

56 100

69 162.6 27.8 41.8#

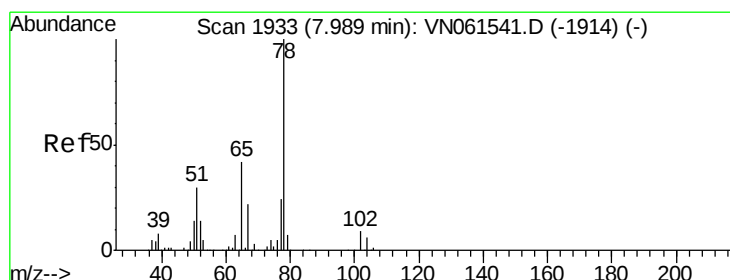
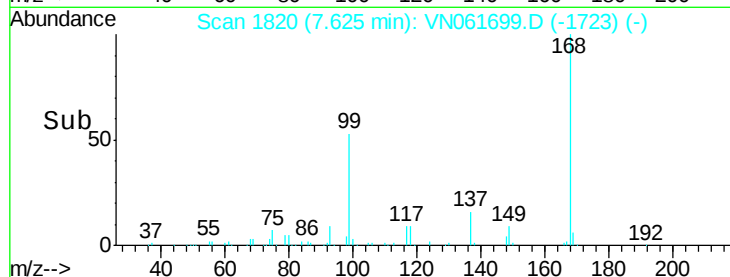
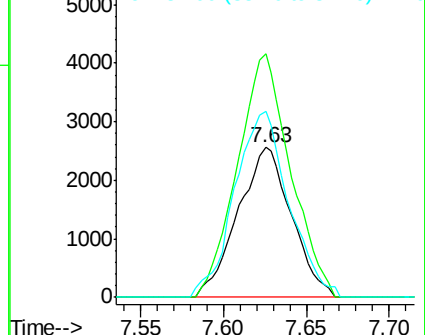
84 124.4 79.9 119.9#



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: 47.89 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061699.D

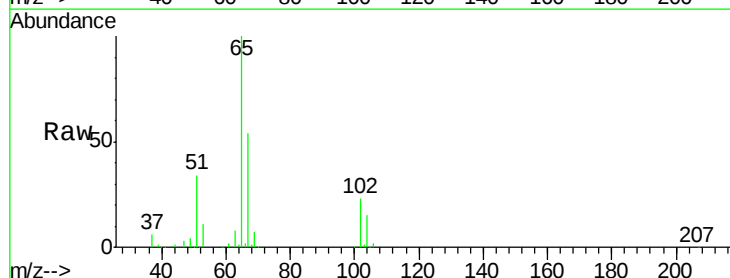
Acq: 8 Jun 2020 16:31

Tgt Ion: 65 Resp: 171133

Ion Ratio Lower Upper

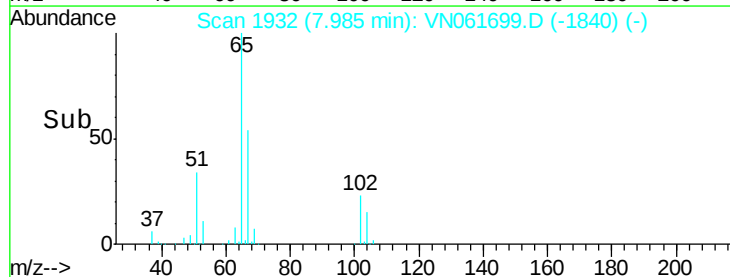
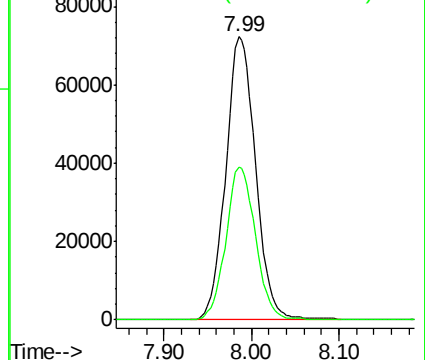
65 100

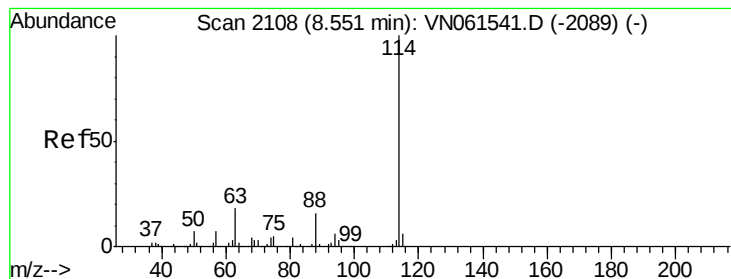
67 53.5 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061699.D

Acq: 8 Jun 2020 16:31

Instrument :

MSVOA_N

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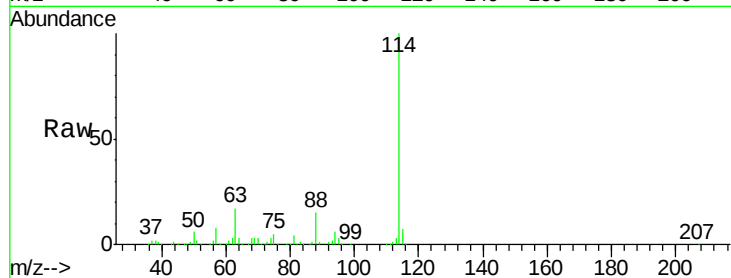
Tgt Ion:114 Resp: 518493

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.8

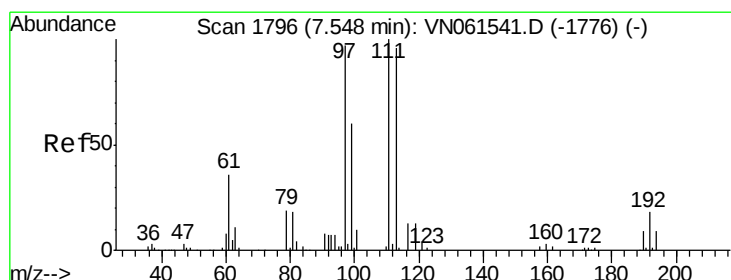
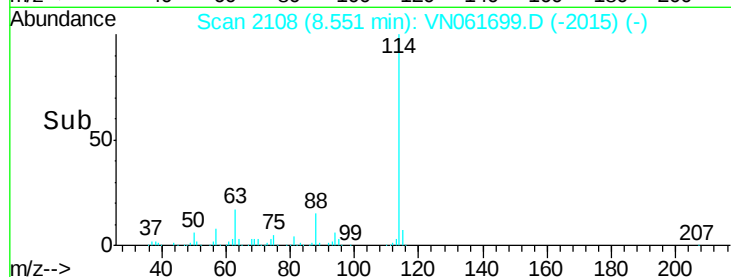
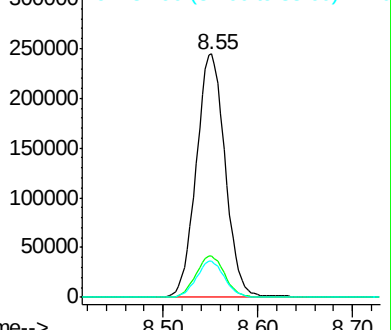
88 14.8 0.0 31.0



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: 56.66 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061699.D

Acq: 8 Jun 2020 16:31

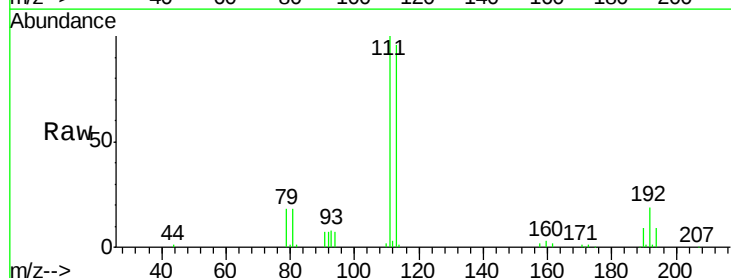
Tgt Ion:113 Resp: 149035

Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.0

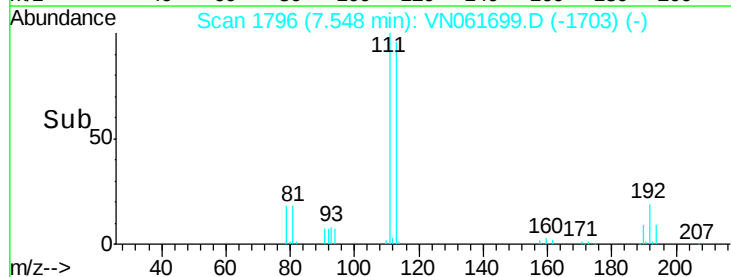
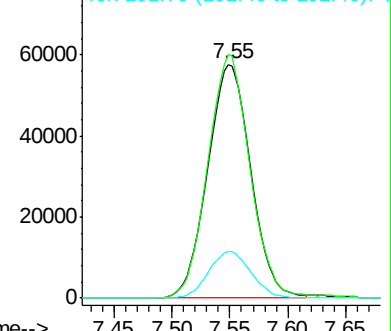
192 19.7 15.4 23.2

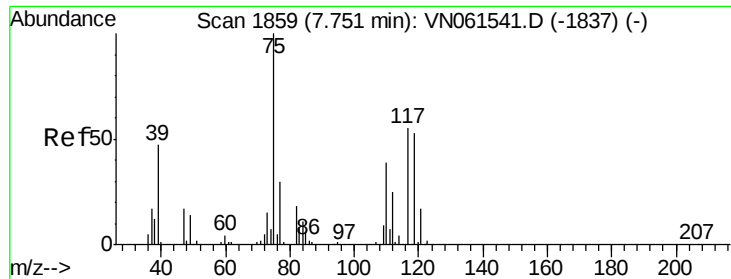


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

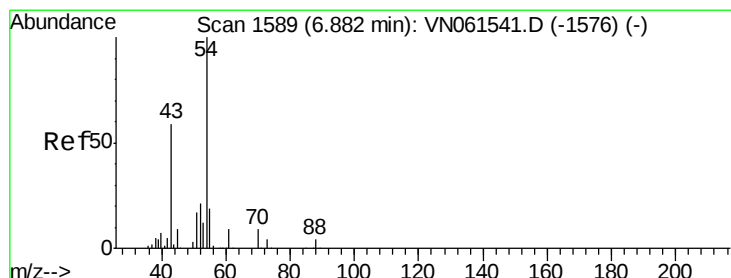
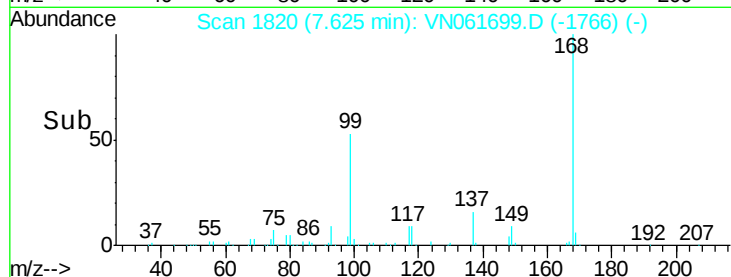
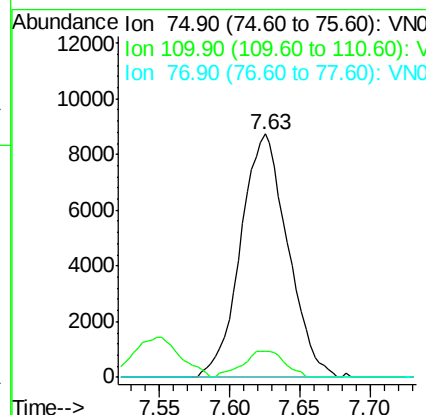
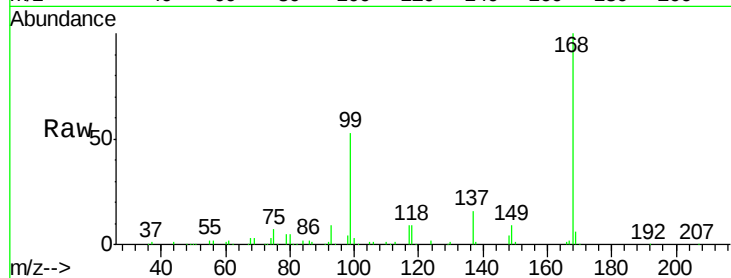




#36
 1,1-Dichloropropene
 Concen: 4.44 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061699.D
 Acq: 8 Jun 2020 16:31

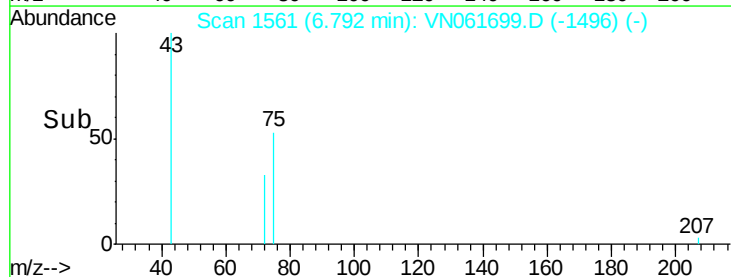
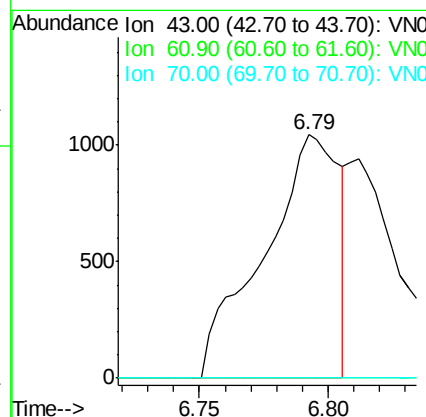
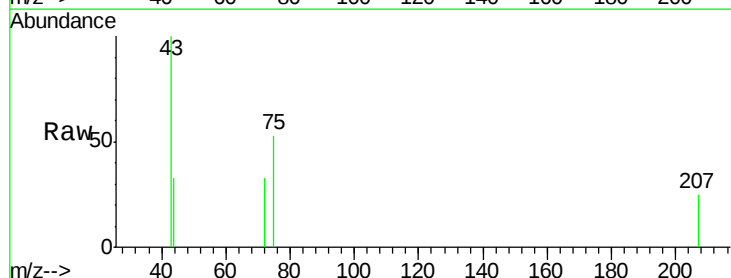
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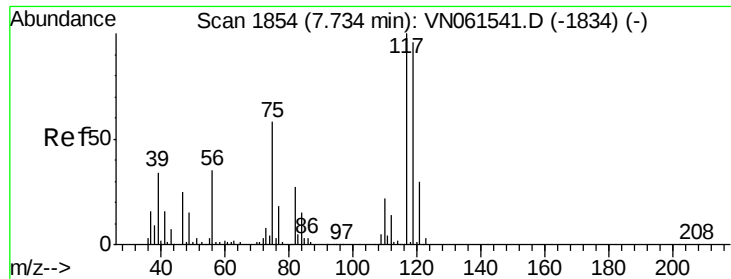
Tgt Ion: 75 Resp: 20400
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.5 58.5#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 0.57 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.09 min
 Lab File: VN061699.D
 Acq: 8 Jun 2020 16:31

Tgt Ion: 43 Resp: 2115
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.2 18.4#
 70 0.0 9.4 14.2#

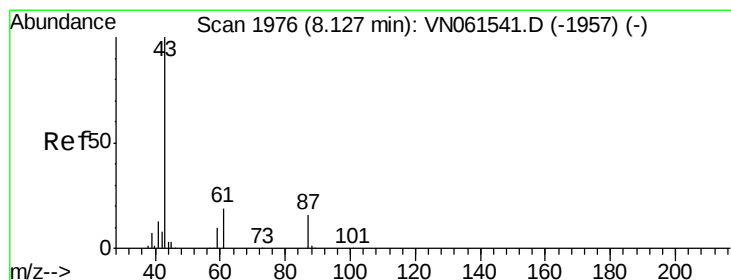
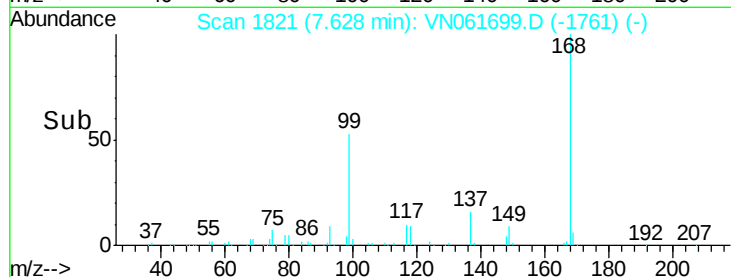
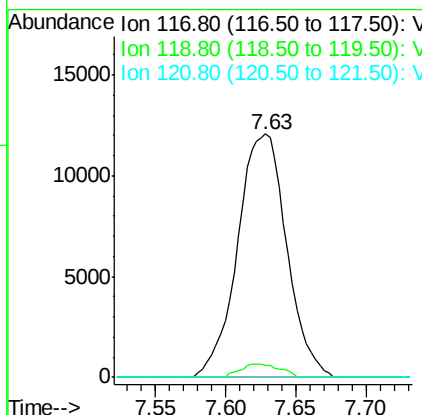
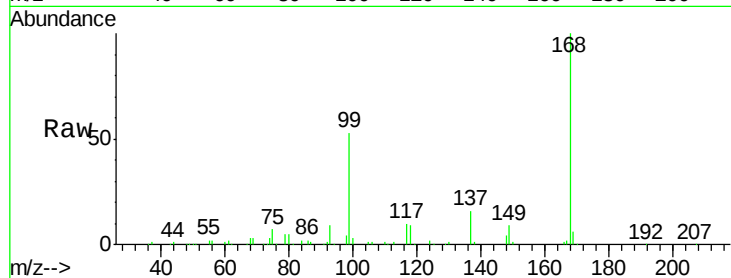




#38
Carbon Tetrachloride
Concen: 6.64 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.11 min
Lab File: VN061699.D
Acq: 8 Jun 2020 16:31

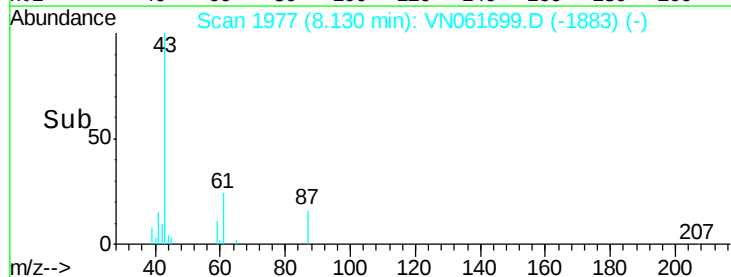
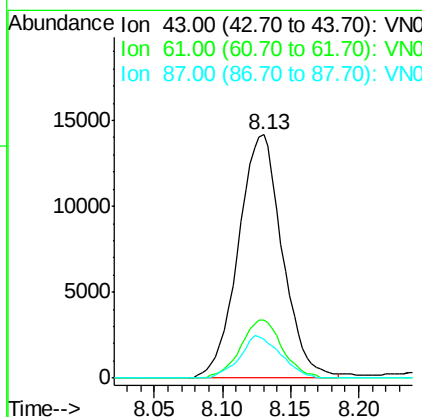
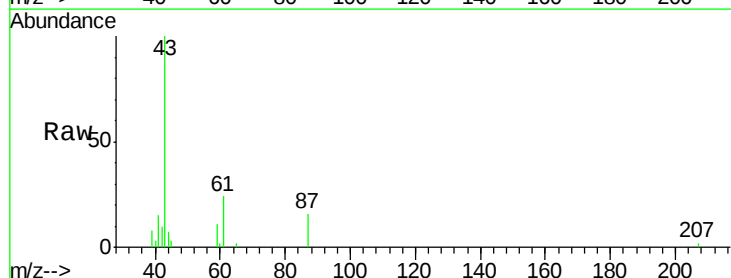
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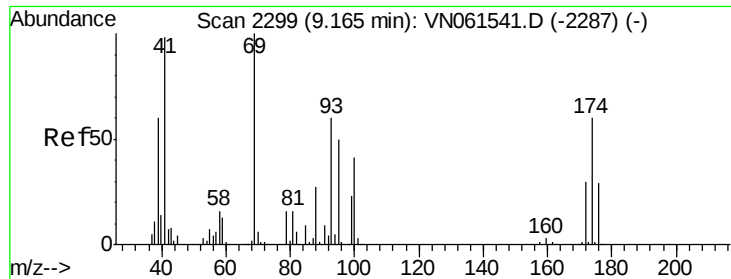
Tgt Ion: 117 Resp: 29415
Ion Ratio Lower Upper
117 100
119 5.1 76.5 114.7#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 4.78 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN061699.D
Acq: 8 Jun 2020 16:31

Tgt Ion: 43 Resp: 31771
Ion Ratio Lower Upper
43 100
61 22.5 23.6 35.4#
87 16.0 13.0 19.6

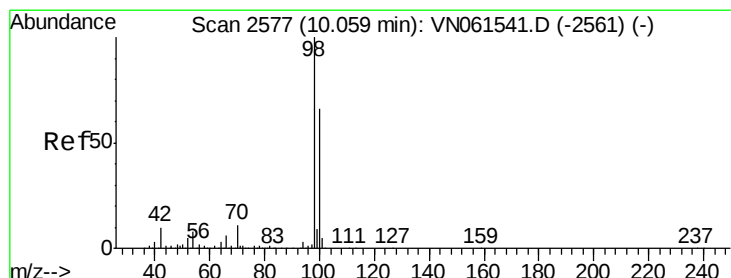
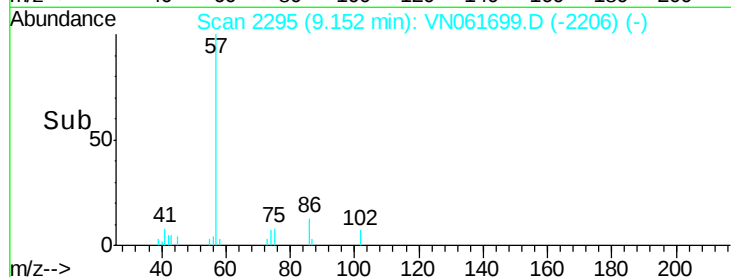
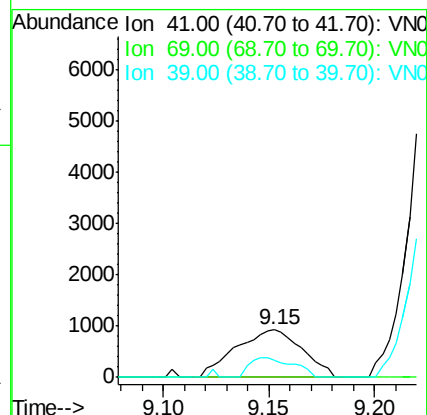
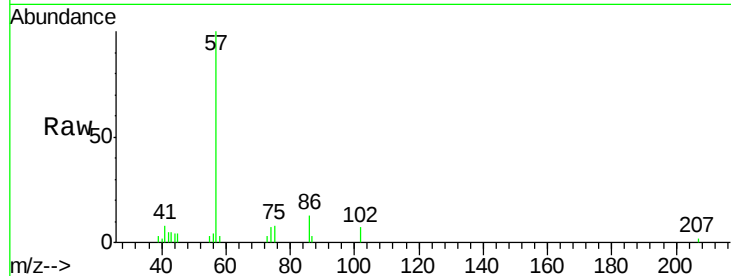




#48
Methyl methacrylate
Concen: 0.68 ug/l
RT: 9.15 min Scan# 2295
Delta R.T. -0.01 min
Lab File: VN061699.D
Acq: 8 Jun 2020 16:31

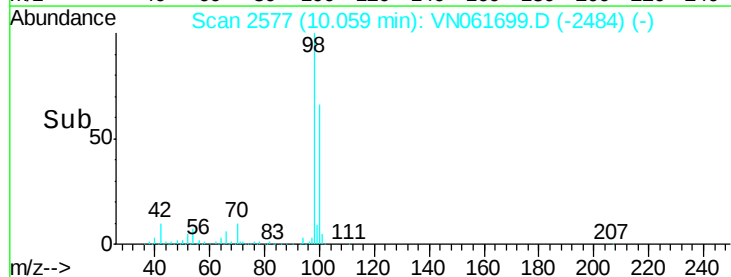
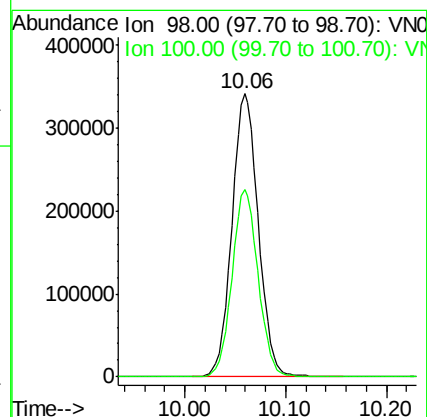
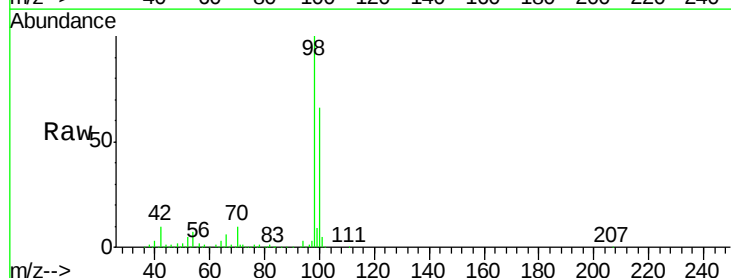
Instrument :
MSVOA_N
ClientSampleId :
26572-25062-251686

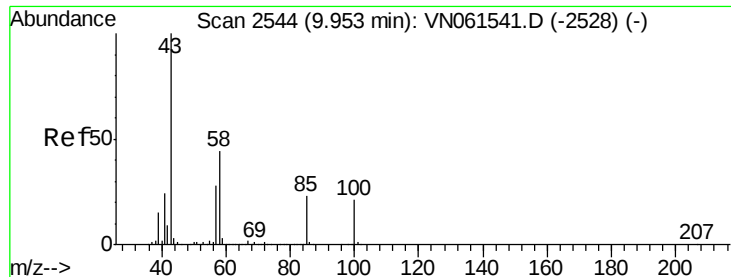
Tgt Ion: 41 Resp: 2036
Ion Ratio Lower Upper
41 100
69 0.0 83.9 125.9#
39 26.9 52.1 78.1#



#50
Toluene-d8
Concen: 51.08 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061699.D
Acq: 8 Jun 2020 16:31

Tgt Ion: 98 Resp: 622649
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2

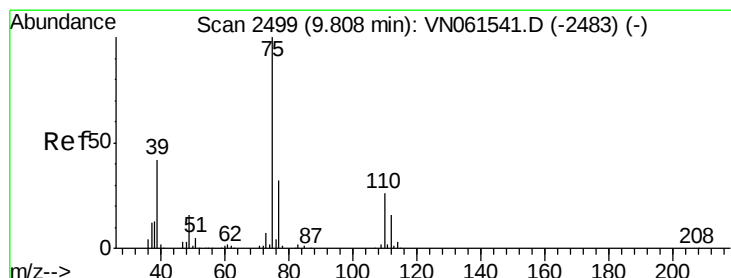
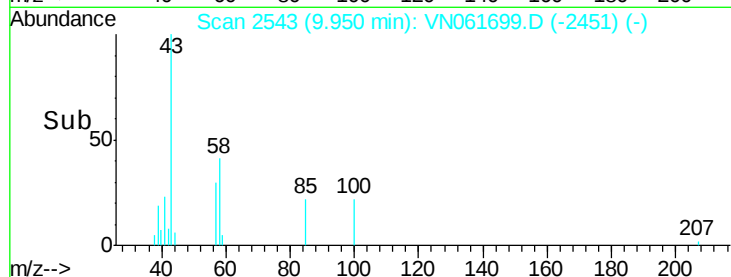
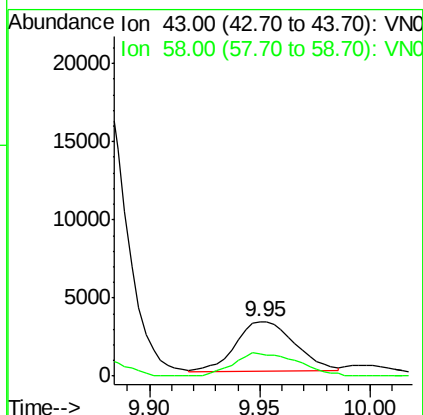
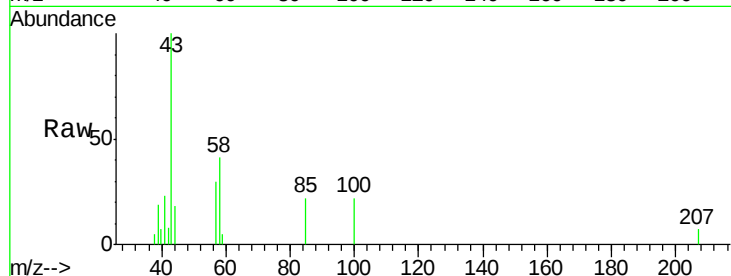




#51
 4-Methyl-2-Pentanone
 Concen: 1.55 ug/l
 RT: 9.95 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: VN061699.D
 Acq: 8 Jun 2020 16:31

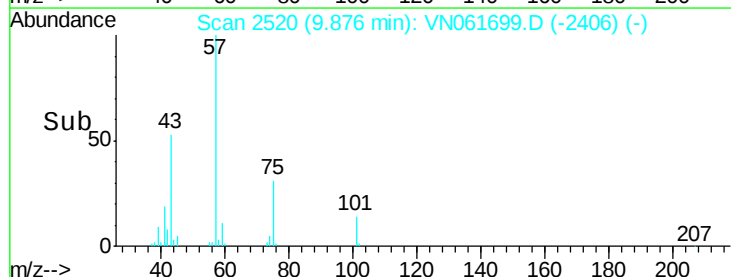
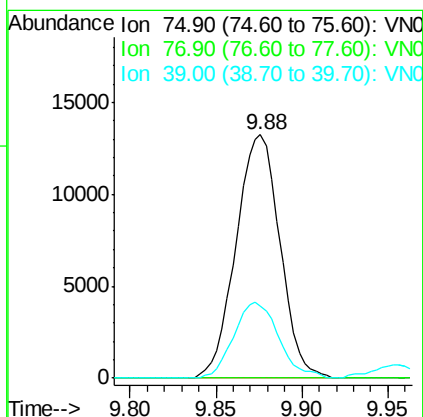
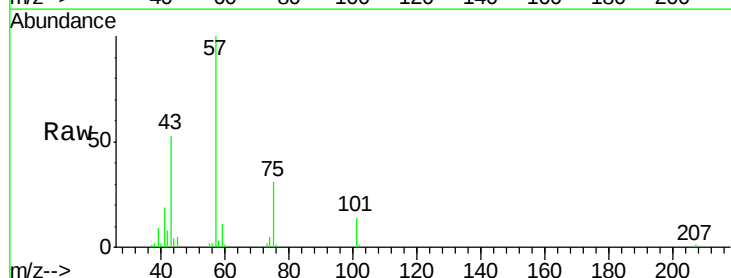
Instrument :
 MSVOA_N
 ClientSampleId :
 26572-25062-251686

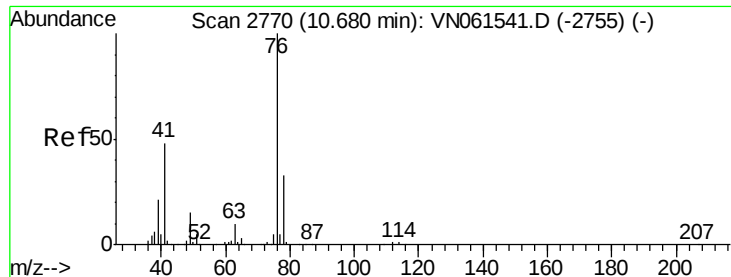
Tgt Ion: 43 Resp: 5824
 Ion Ratio Lower Upper
 43 100
 58 51.8 35.0 52.6



#54
 cis-1,3-Dichloropropene
 Concen: 3.96 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN061699.D
 Acq: 8 Jun 2020 16:31

Tgt Ion: 75 Resp: 23438
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 29.8 33.8 50.6#

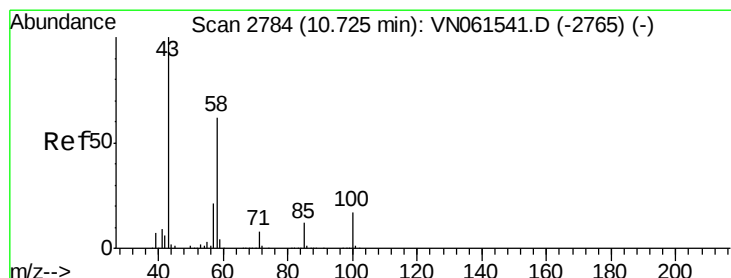
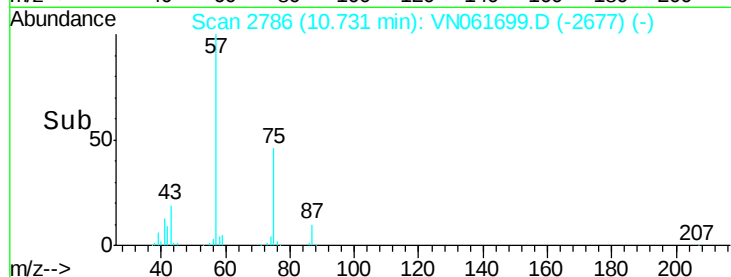
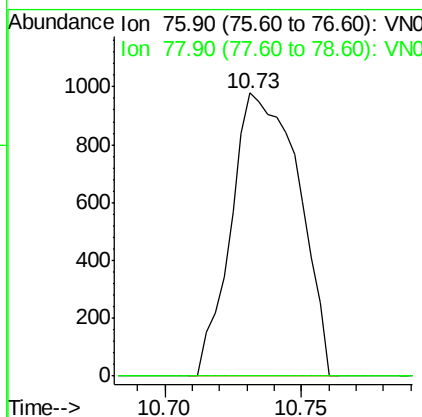
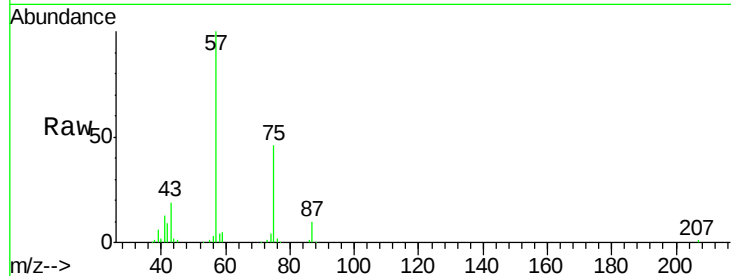




#57
 1,3-Dichloropropane
 Concen: 0.29 ug/l
 RT: 10.73 min Scan# 2786
 Delta R.T. 0.05 min
 Lab File: VN061699.D
 Acq: 8 Jun 2020 16:31

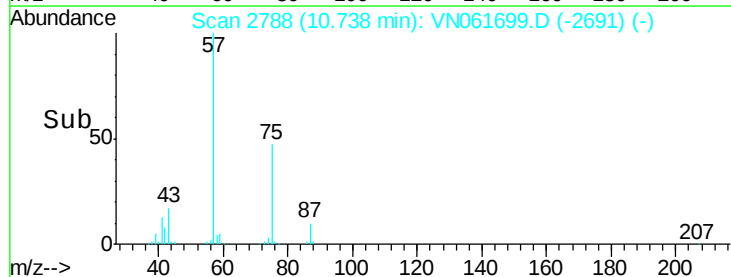
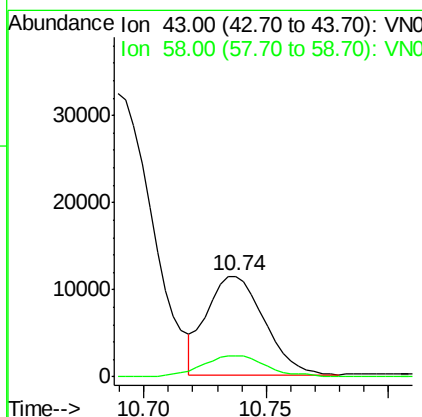
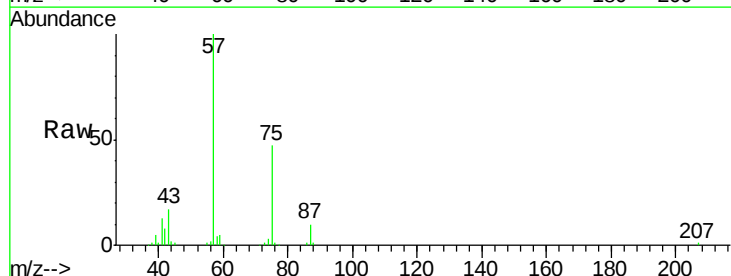
Instrument :
 MSVOA_N
 ClientSampleId :
 26572-25062-251686

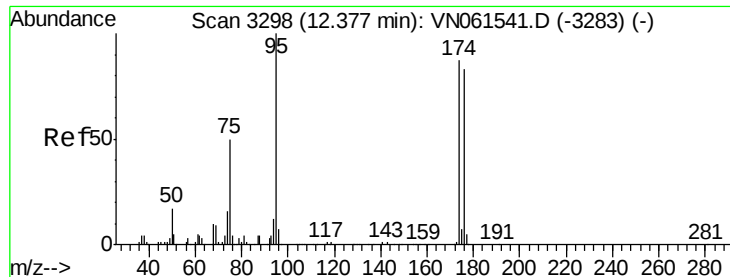
Tgt Ion: 76 Resp: 1684
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 6.89 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN061699.D
 Acq: 8 Jun 2020 16:31

Tgt Ion: 43 Resp: 18548
 Ion Ratio Lower Upper
 43 100
 58 23.8 30.7 92.1#

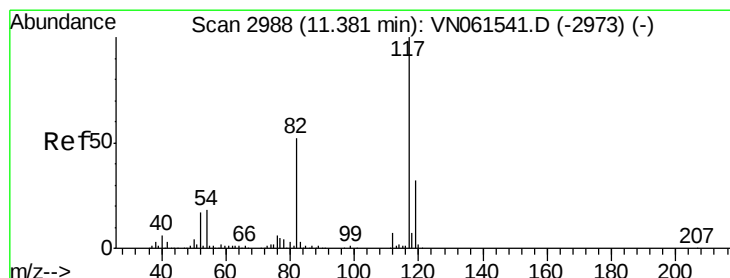
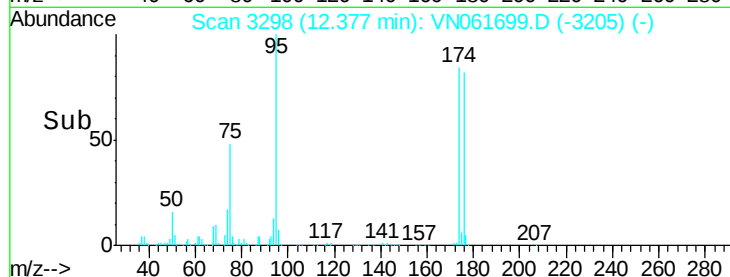
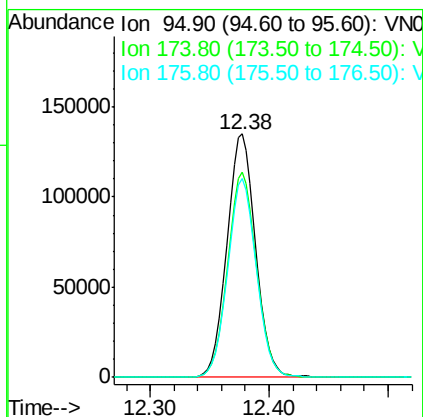
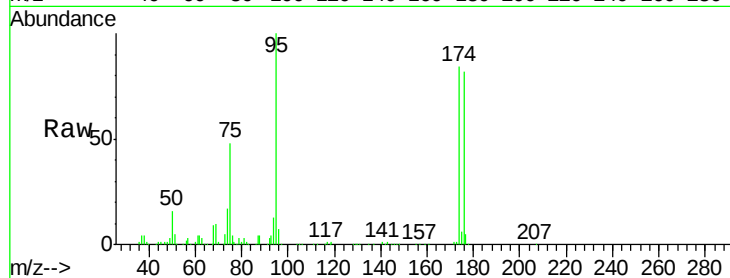




#62
4-Bromofluorobenzene
Concen: 50.63 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061699.D
Acq: 8 Jun 2020 16:31

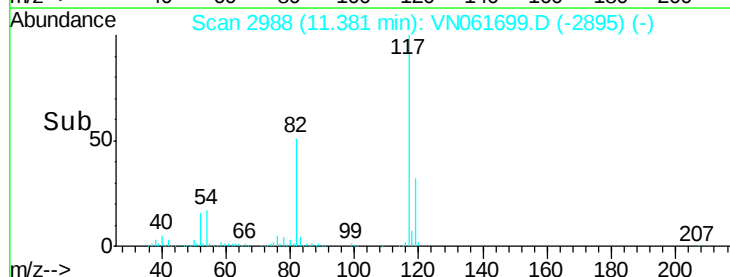
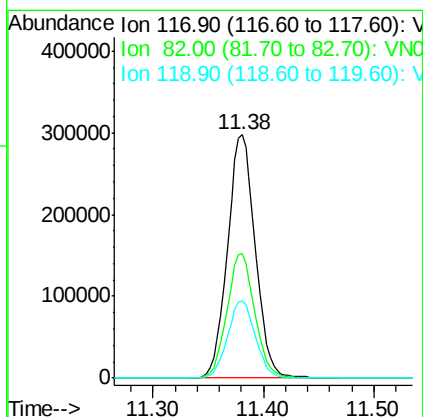
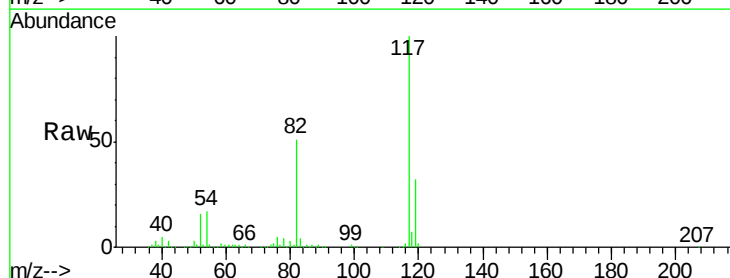
Instrument :
MSVOA_N
ClientSampleId :
26572-25062-251686

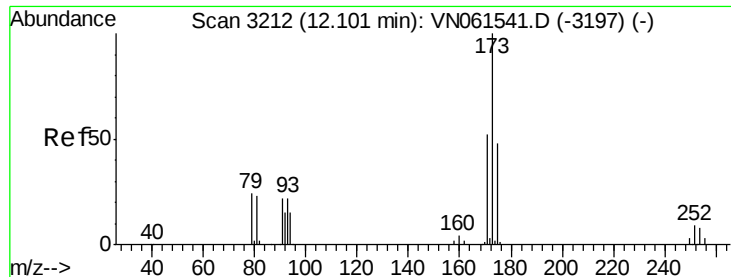
Tgt Ion: 95 Resp: 225152
Ion Ratio Lower Upper
95 100
174 84.6 0.0 172.8
176 81.7 0.0 164.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061699.D
Acq: 8 Jun 2020 16:31

Tgt Ion: 117 Resp: 517983
Ion Ratio Lower Upper
117 100
82 50.9 41.5 62.3
119 32.0 25.6 38.4

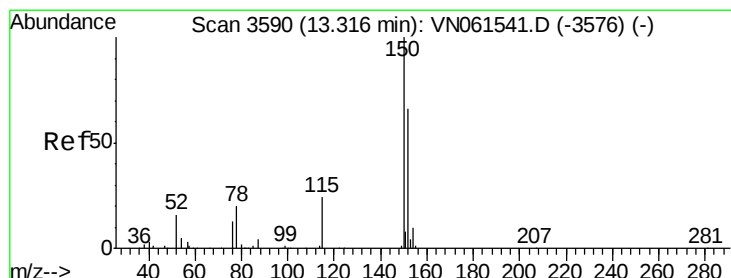
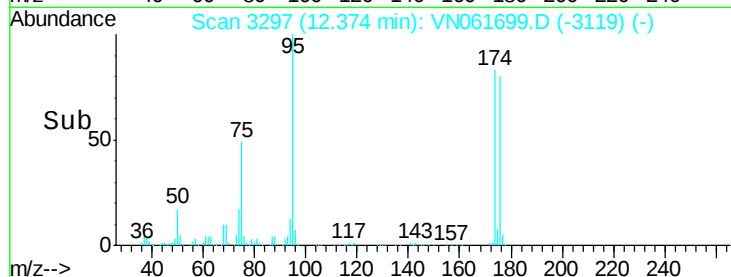
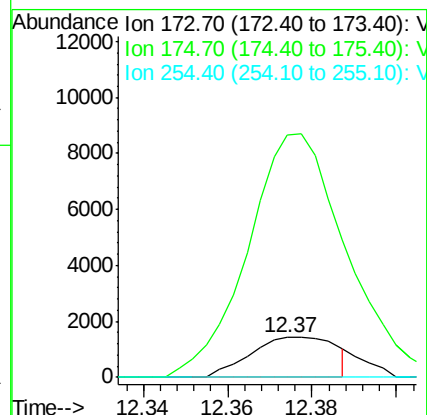
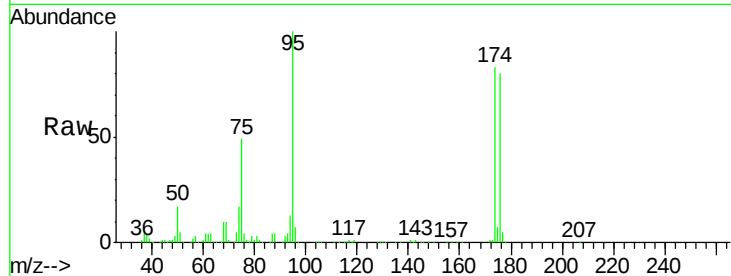




#71
Bromoform
Concen: 0.65 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061699.D
Acq: 8 Jun 2020 16:31

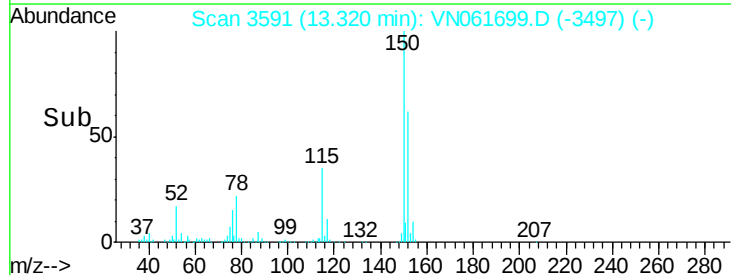
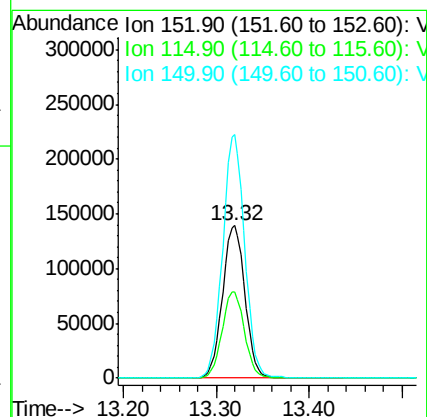
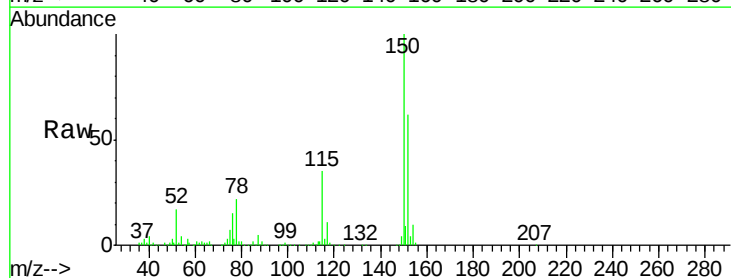
Instrument :
MSVOA_N
ClientSampleId :
26572-25062-251686

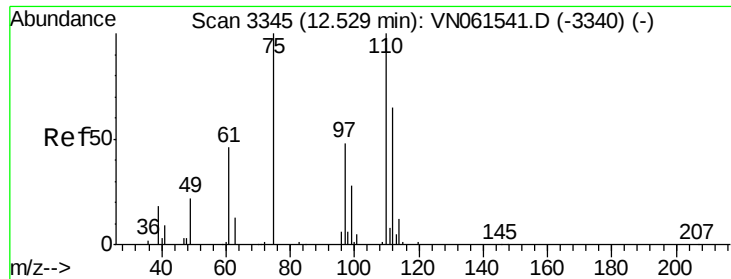
Tgt Ion:173 Resp: 2020
Ion Ratio Lower Upper
173 100
175 594.5 24.4 73.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061699.D
Acq: 8 Jun 2020 16:31

Tgt Ion:152 Resp: 234217
Ion Ratio Lower Upper
152 100
115 56.3 28.0 84.0
150 155.6 0.0 344.0





#76

1,2,3-Trichloropropane

Concen: 25.24 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061699.D

Acq: 8 Jun 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

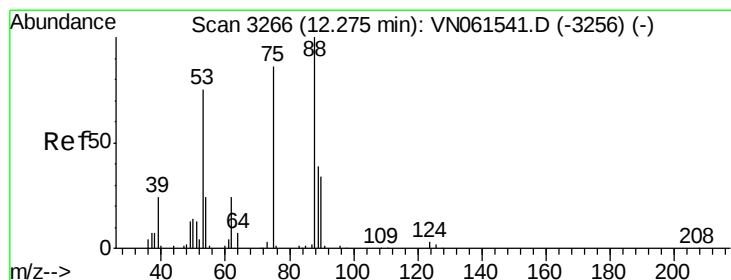
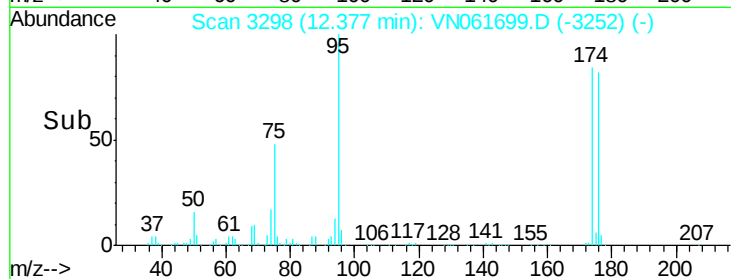
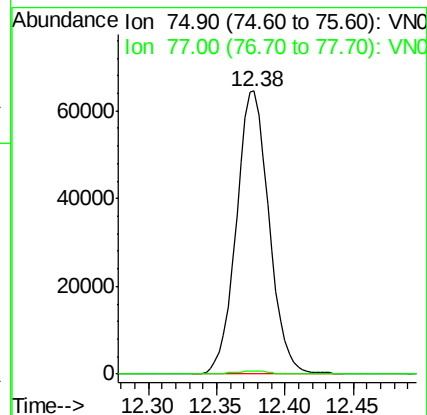
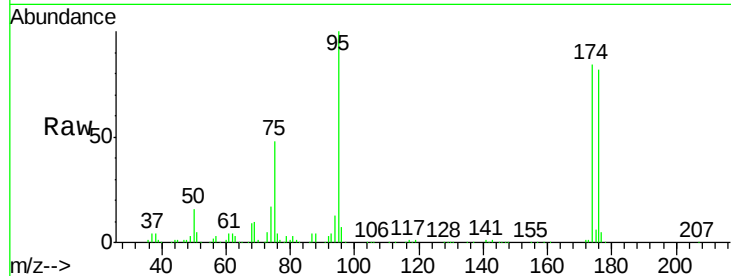
26572-25062-251686

Tgt Ion: 75 Resp: 107483

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.54 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061699.D

Acq: 8 Jun 2020 16:31

Tgt Ion: 75 Resp: 107483

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#

