

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
 Data File : VN061680.D
 Acq On : 5 Jun 2020 19:25
 Operator : JC/MD
 Sample : L2921-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF012RW035-200603

Quant Time: Jun 06 03:25:06 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	307330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	525373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	513530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	233363	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	171293	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
35) Dibromofluoromethane	7.55	113	149478	56.09	ug/l	0.00
Spiked Amount			Recovery	=	112.18%	
50) Toluene-d8	10.06	98	624794	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.38	95	230229	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	

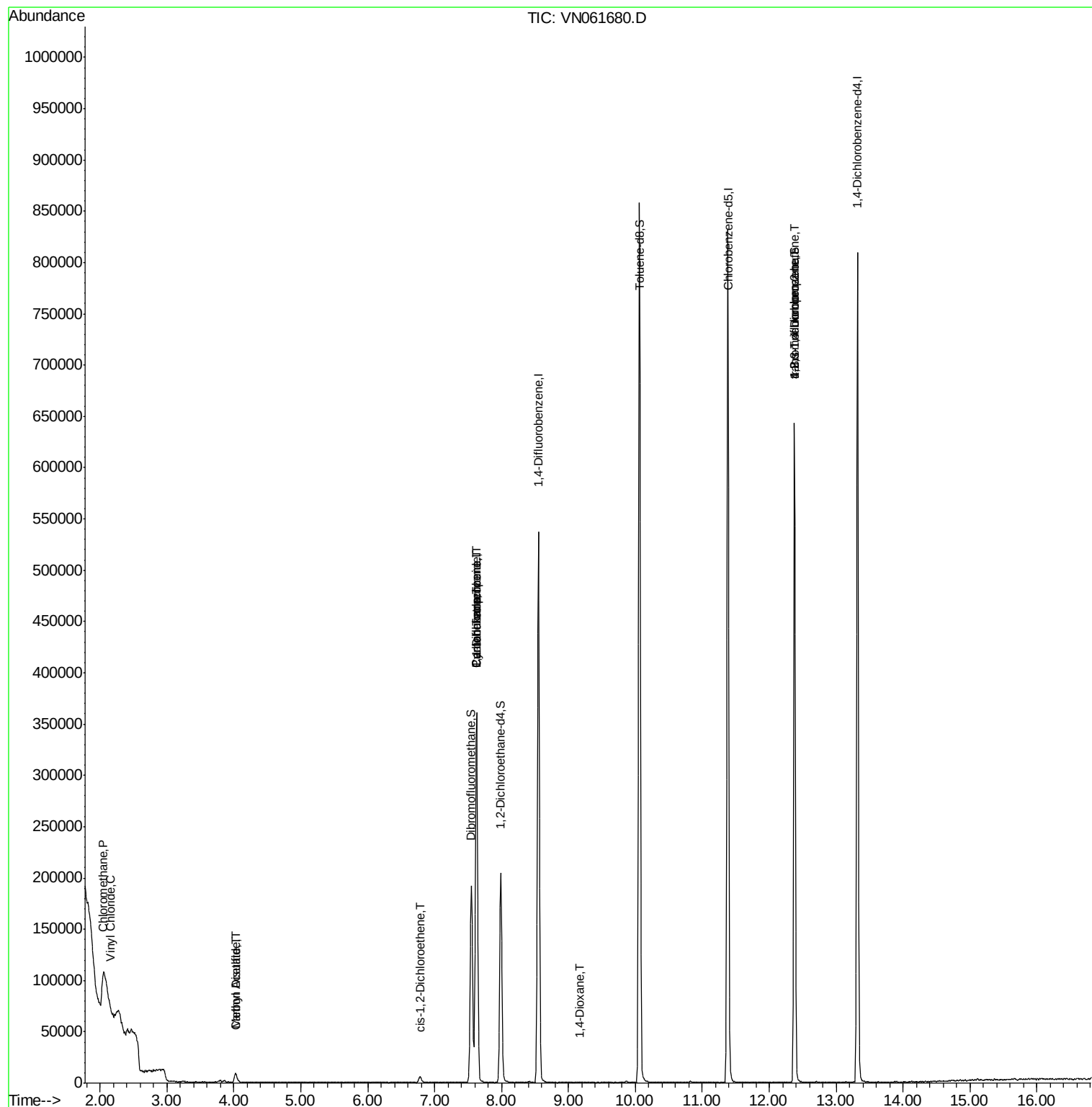
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1447	0.39	ug/l	94
4) Vinyl Chloride	2.16	62	1140	0.22	ug/l	89
16) Acetone	3.79	43	3581	Below Cal		93
17) Carbon Disulfide	4.01	76	1388	0.20	ug/l #	74
18) Methyl Acetate	4.02	43	3422	1.03	ug/l #	46
20) Methylene Chloride	4.51	84	179	Below Cal	#	58
27) cis-1,2-Dichloroethene	6.78	96	4205	1.05	ug/l	91
31) Cyclohexane	7.63	56	5491	1.06	ug/l #	19
36) 1,1-Dichloropropene	7.63	75	21708	4.67	ug/l #	48
38) Carbon Tetrachloride	7.63	117	29816	6.65	ug/l #	16
49) 1,4-Dioxane	9.17	88	31	0.66	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	112389	26.49	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	112389	67.73	ug/l #	15

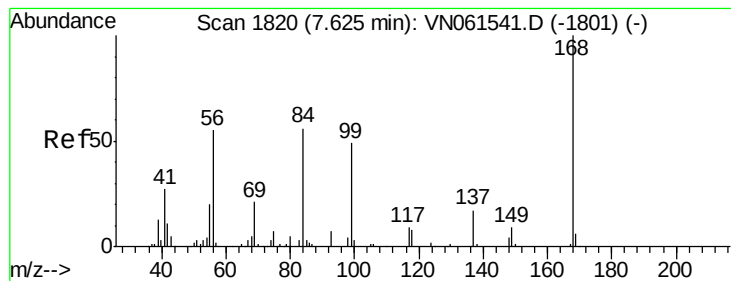
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
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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: VN061680.D

Acq: 5 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

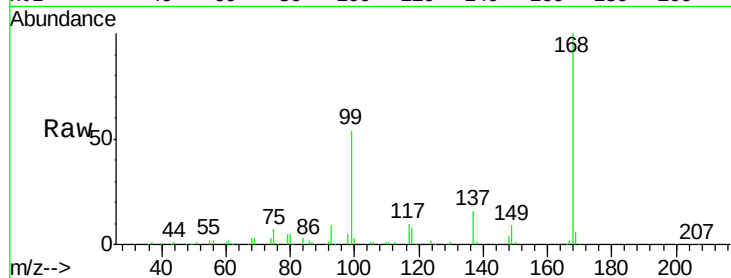
LF012RW035-200603

Tgt Ion:168 Resp: 307330

Ion Ratio Lower Upper

168 100

99 54.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

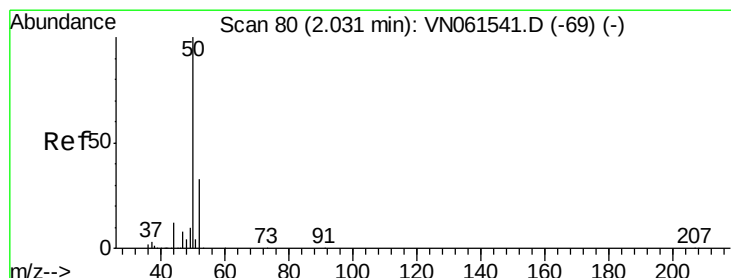
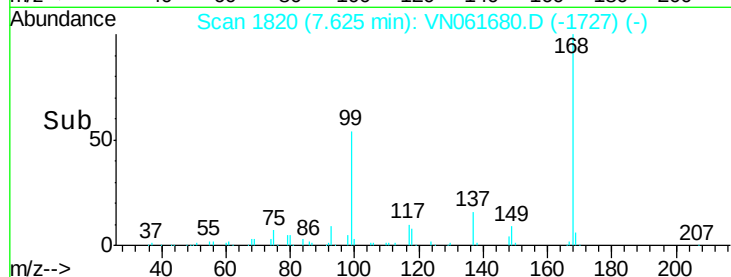
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.39 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061680.D

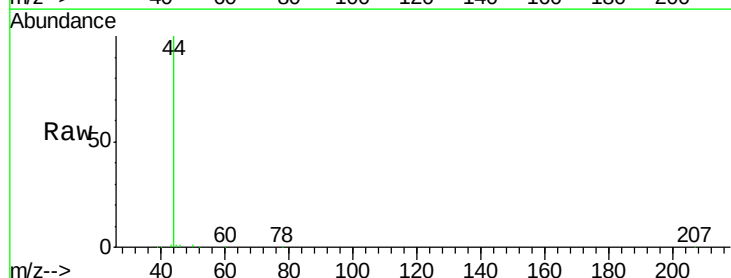
Acq: 5 Jun 2020 19:25

Tgt Ion: 50 Resp: 1447

Ion Ratio Lower Upper

50 100

52 36.8 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

1200

1000

800

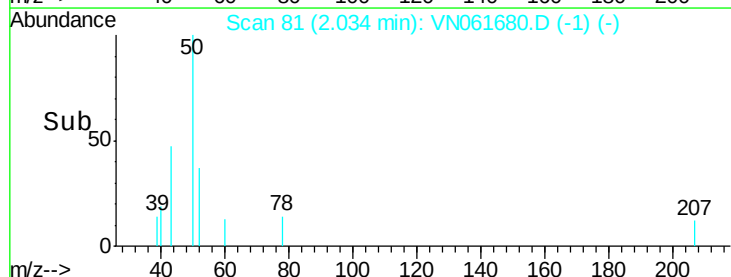
600

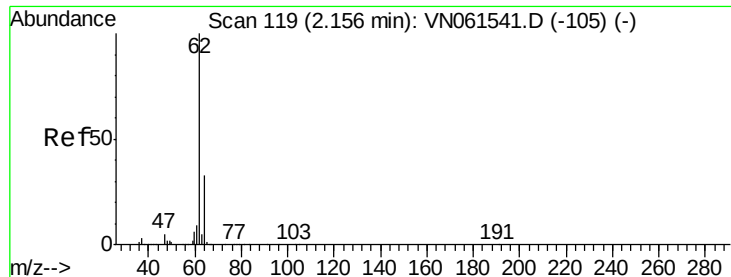
400

200

0

Time--> 2.00 2.02 2.04 2.06 2.08





#4

Vinyl Chloride

Concen: 0.22 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061680.D

Acq: 5 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

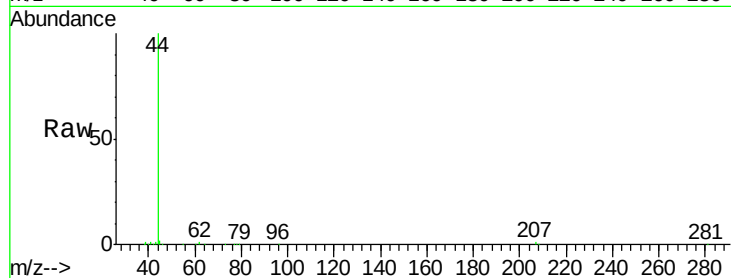
LF012RW035-200603

Tgt Ion: 62 Resp: 1140

Ion Ratio Lower Upper

62 100

64 39.1 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

800

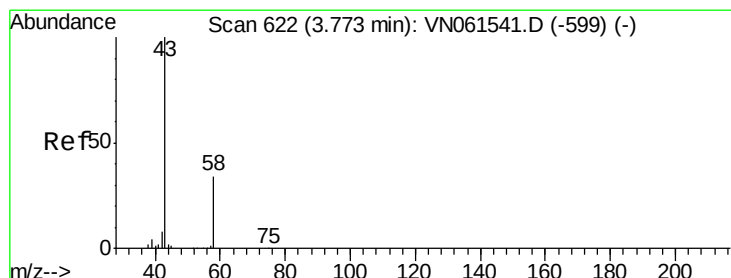
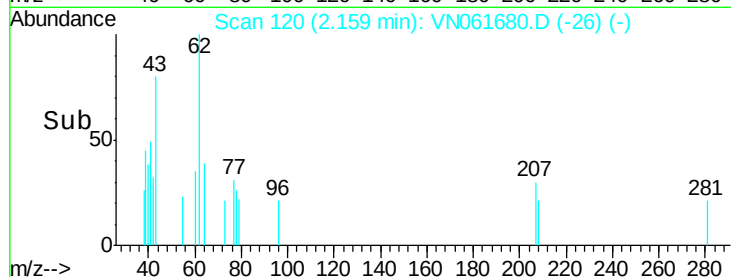
600

400

200

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.02 min

Lab File: VN061680.D

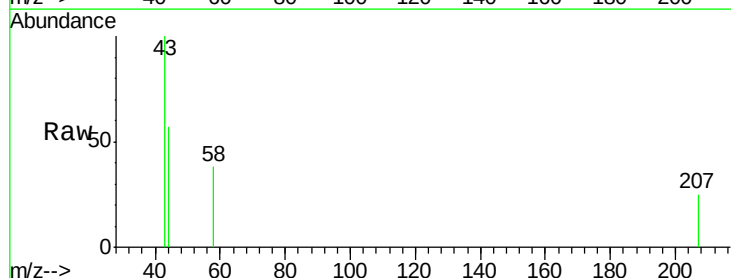
Acq: 5 Jun 2020 19:25

Tgt Ion: 43 Resp: 3581

Ion Ratio Lower Upper

43 100

58 37.9 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

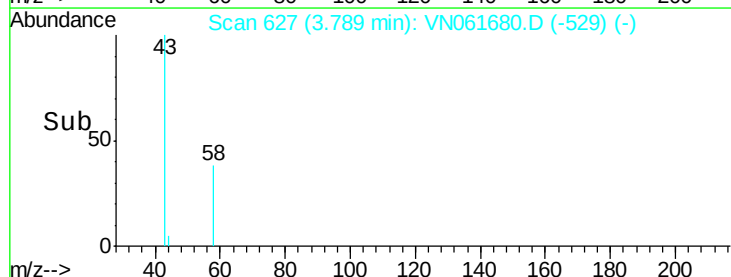
1500

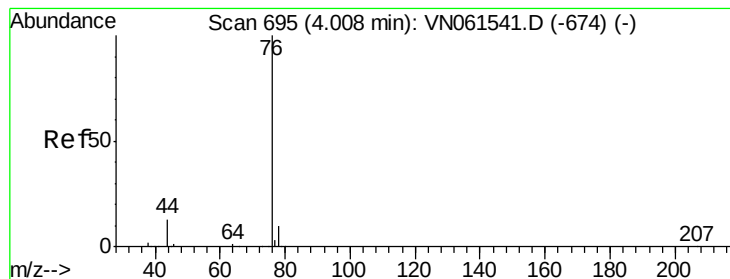
1000

500

0

Time-->





#17

Carbon Disulfide

Concen: 0.20 ug/l

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN061680.D

Acq: 5 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

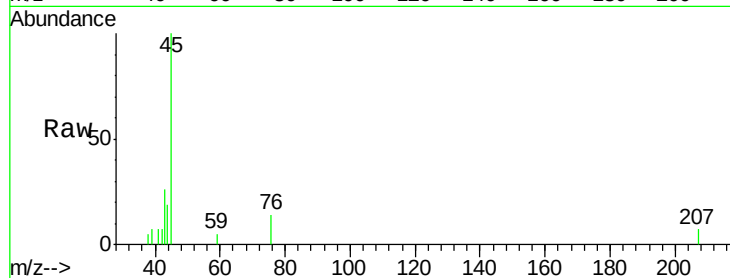
LF012RW035-200603

Tgt Ion: 76 Resp: 1388

Ion Ratio Lower Upper

76 100

78 0.0 7.8 11.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

600

500

400

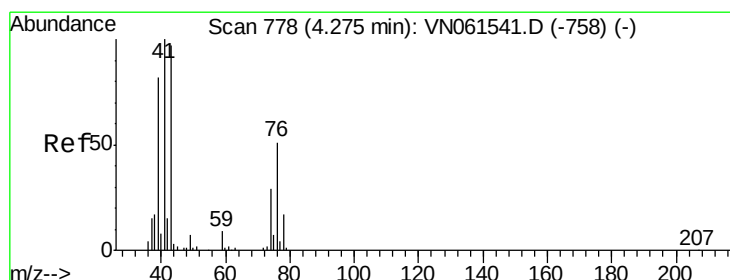
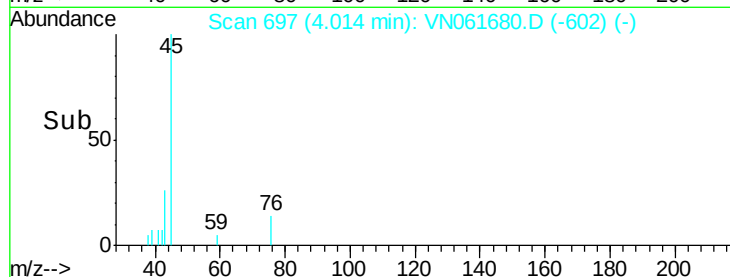
300

200

100

0

Time--> 3.95 4.00 4.05



#18

Methyl Acetate

Concen: 1.03 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.25 min

Lab File: VN061680.D

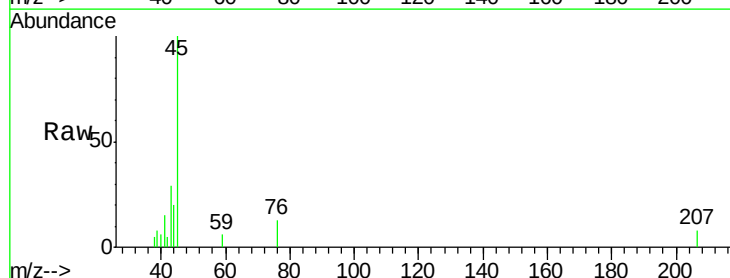
Acq: 5 Jun 2020 19:25

Tgt Ion: 43 Resp: 3422

Ion Ratio Lower Upper

43 100

74 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

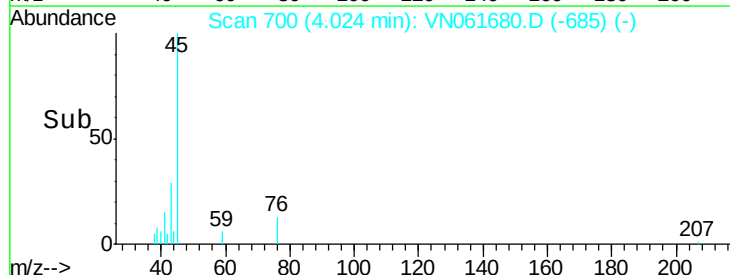
4.02

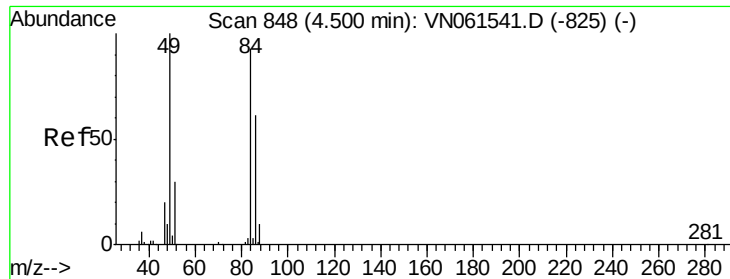
1000

500

0

Time--> 3.95 4.00 4.05 4.10

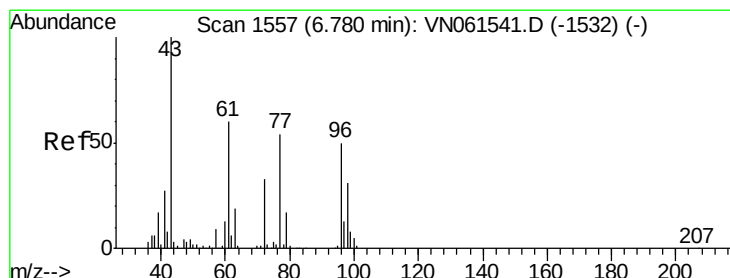
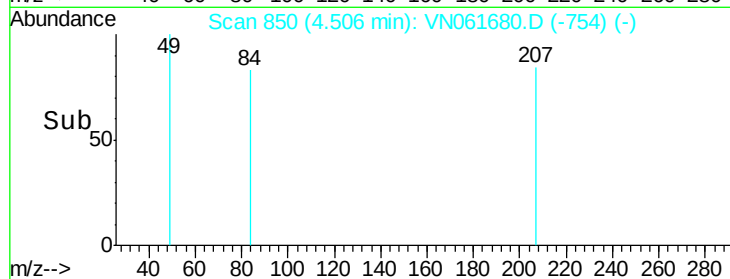
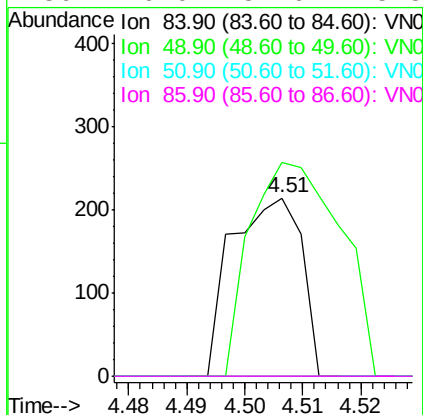
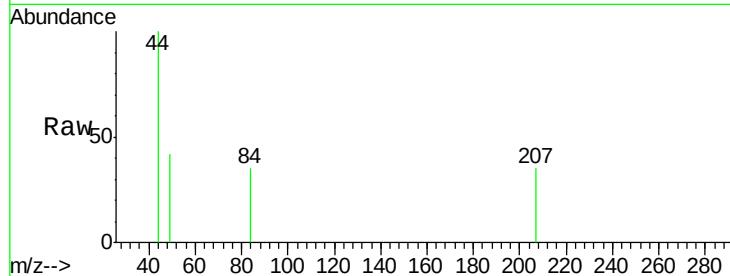




#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN061680.D
Acq: 5 Jun 2020 19:25

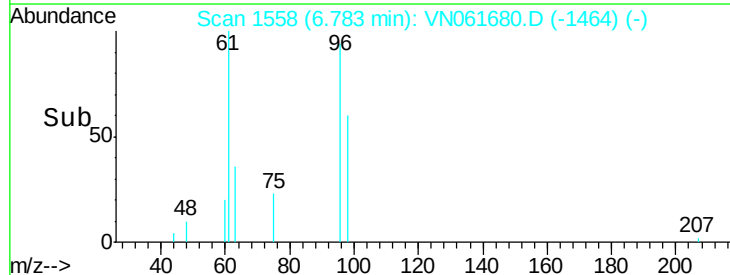
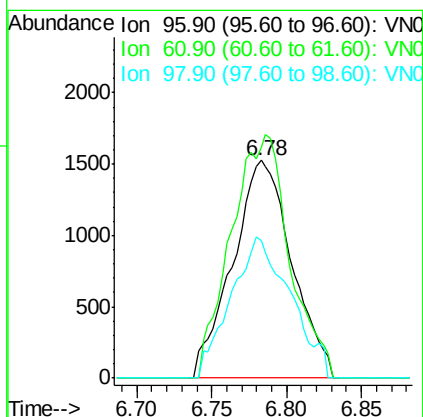
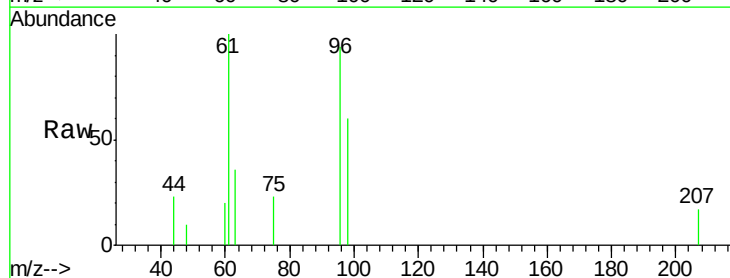
Instrument :
MSVOA_N
ClientSampleId :
LF012RW035-200603

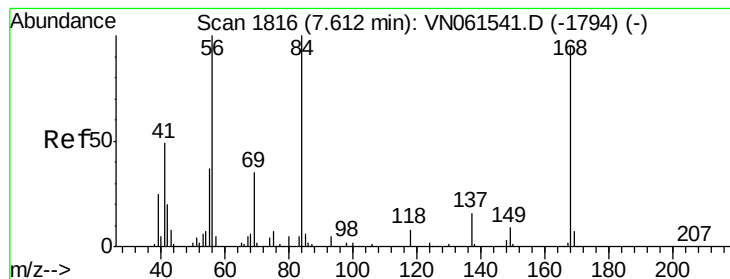
Tgt Ion: 84 Resp: 179
Ion Ratio Lower Upper
84 100
49 120.1 85.8 128.8
51 0.0 26.2 39.2#
86 0.0 52.6 78.8#



#27
cis-1,2-Dichloroethene
Concen: 1.05 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VN061680.D
Acq: 5 Jun 2020 19:25

Tgt Ion: 96 Resp: 4205
Ion Ratio Lower Upper
96 100
61 110.9 0.0 252.2
98 65.2 0.0 129.2





#31

Cyclohexane

Concen: 1.06 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061680.D

Acq: 5 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

LF012RW035-200603

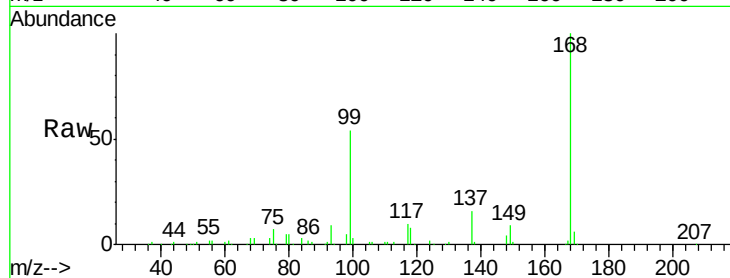
Tgt Ion: 56 Resp: 5491

Ion Ratio Lower Upper

56 100

69 167.3 27.8 41.8#

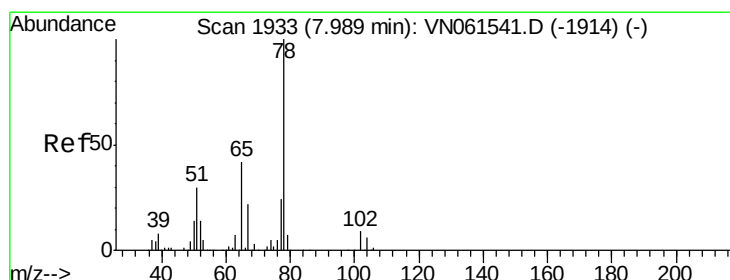
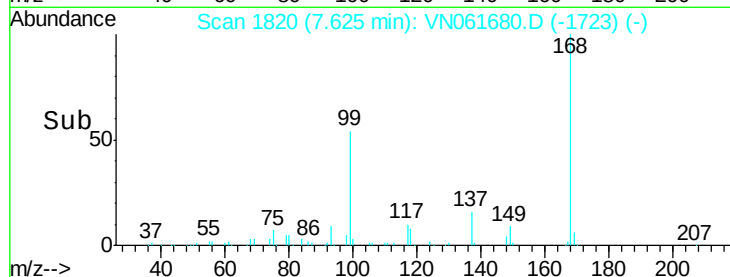
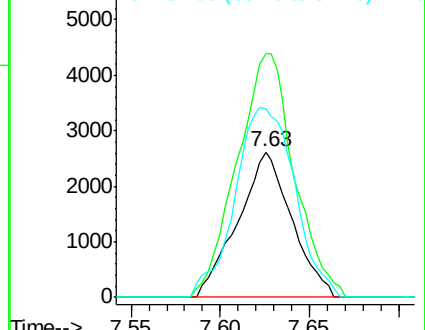
84 129.4 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN061680.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061680.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061680.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 46.78 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061680.D

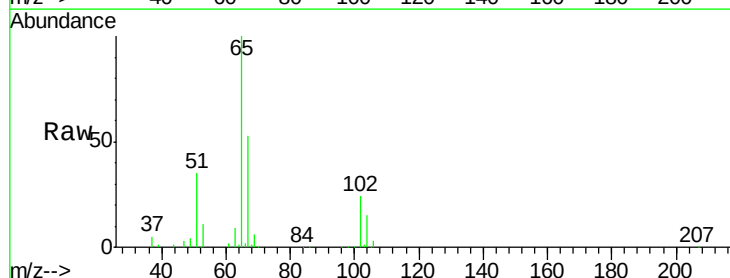
Acq: 5 Jun 2020 19:25

Tgt Ion: 65 Resp: 171293

Ion Ratio Lower Upper

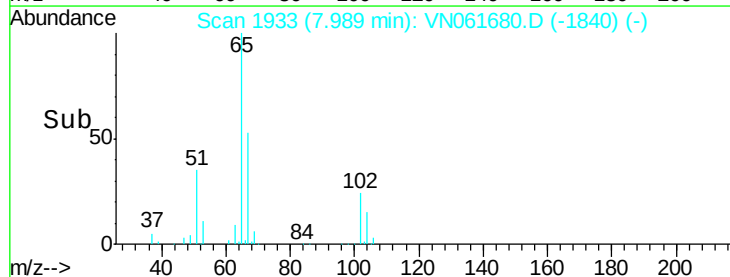
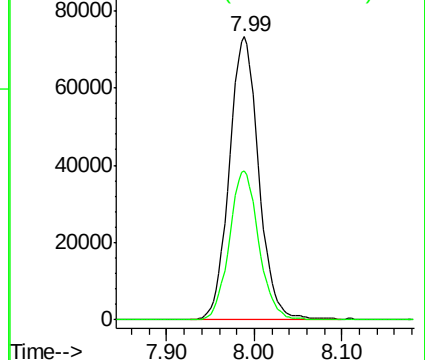
65 100

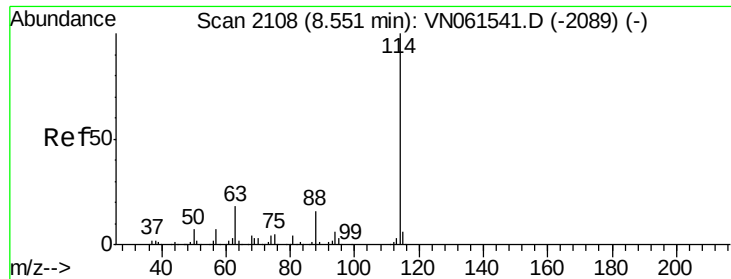
67 52.8 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN061680.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN061680.D (-1840) (-)

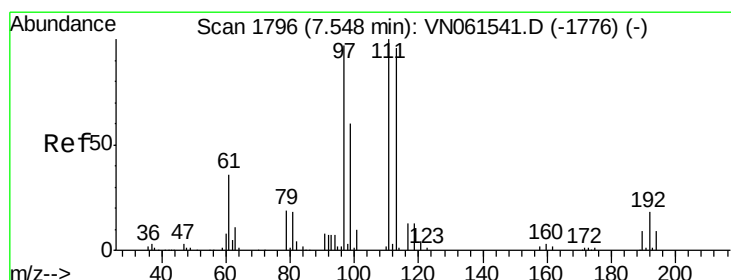
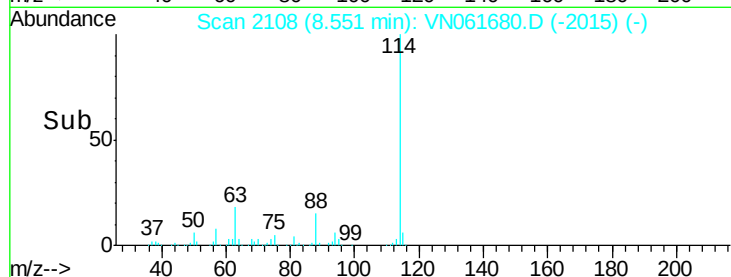
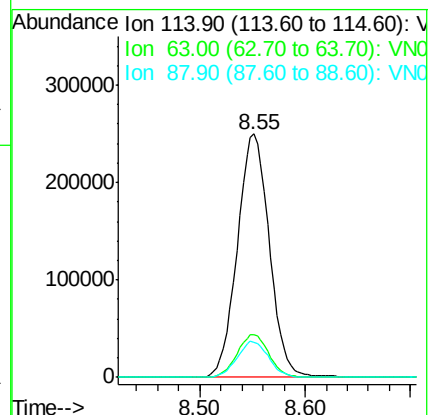
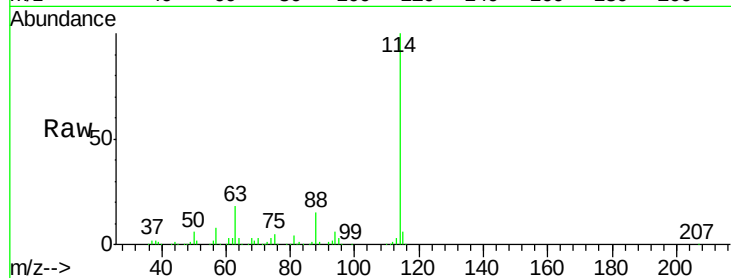




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061680.D
 Acq: 5 Jun 2020 19:25

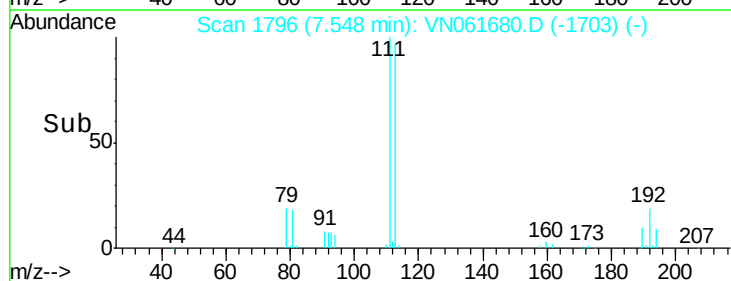
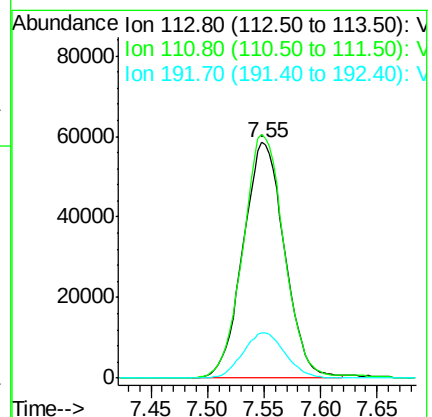
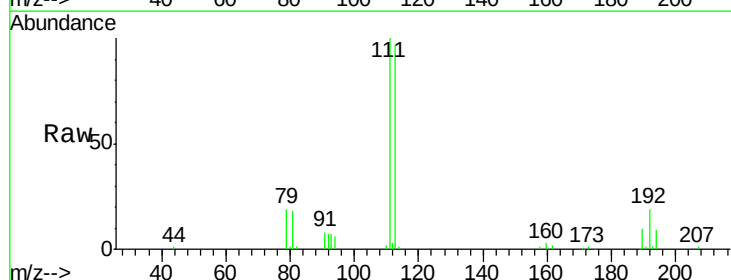
Instrument :
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 ClientSampleId :
 LF012RW035-200603

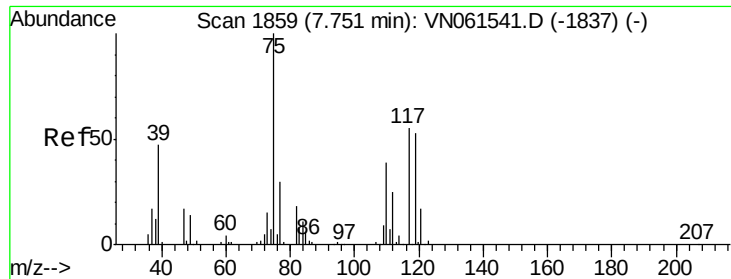
Tgt Ion:114 Resp: 525373
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.8
 88 14.5 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 56.09 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061680.D
 Acq: 5 Jun 2020 19:25

Tgt Ion:113 Resp: 149478
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.4 125.0
 192 19.5 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.67 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN061680.D

Acq: 5 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

LF012RW035-200603

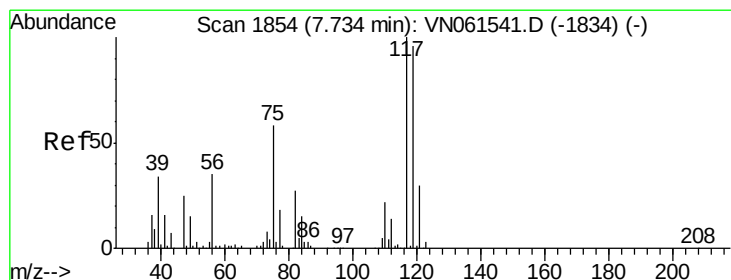
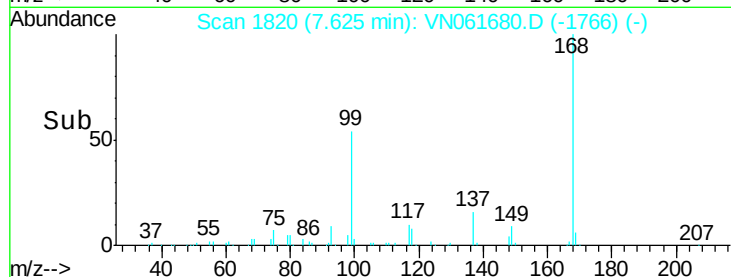
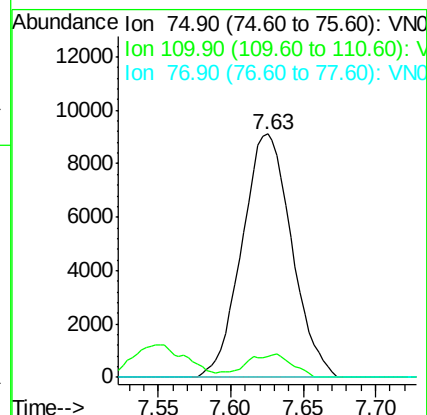
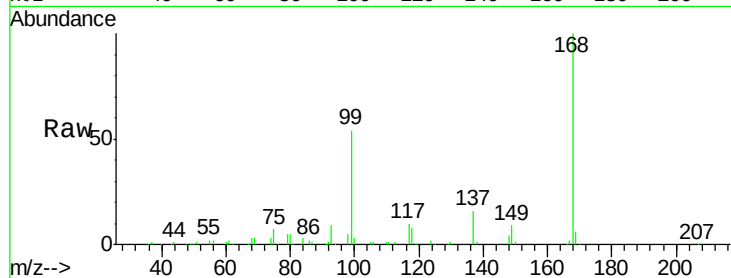
Tgt Ion: 75 Resp: 21708

Ion Ratio Lower Upper

75 100

110 9.0 19.5 58.5#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.65 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061680.D

Acq: 5 Jun 2020 19:25

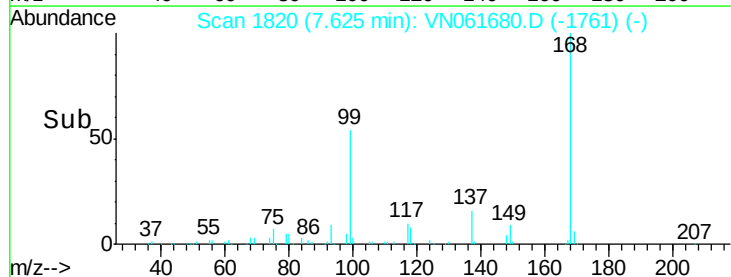
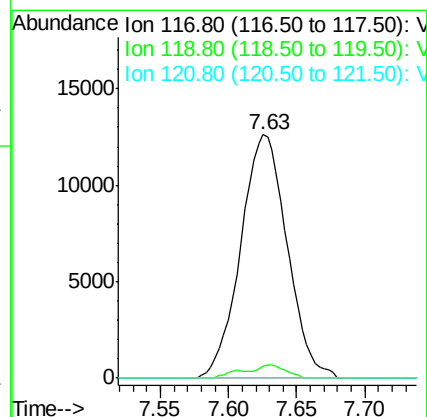
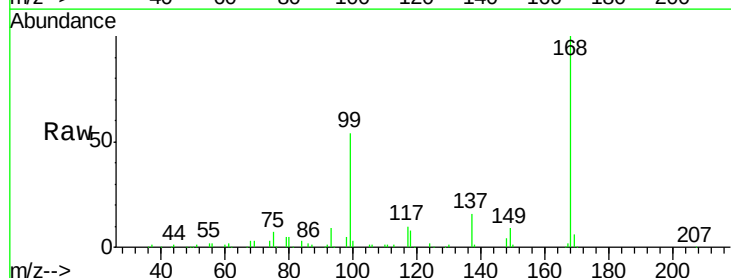
Tgt Ion: 117 Resp: 29816

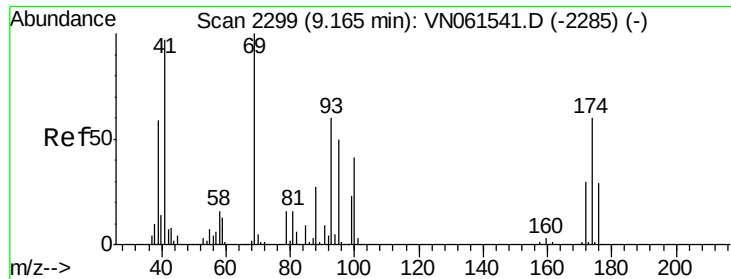
Ion Ratio Lower Upper

117 100

119 4.7 76.5 114.7#

121 0.0 24.1 36.1#





#49

1,4-Dioxane

Concen: 0.66 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061680.D

Acq: 5 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

LF012RW035-200603

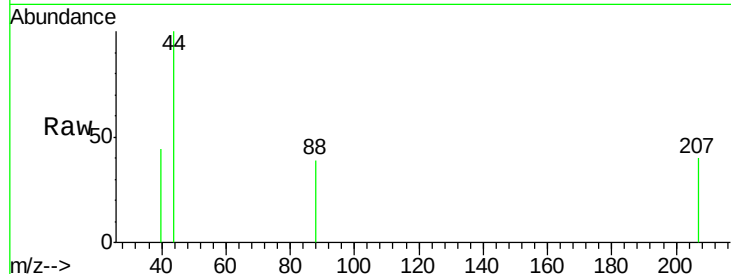
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 0.0 23.1 34.7#

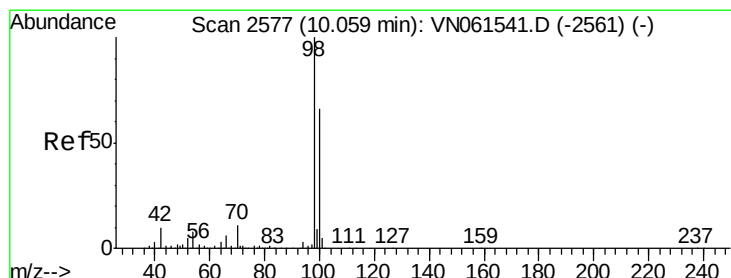
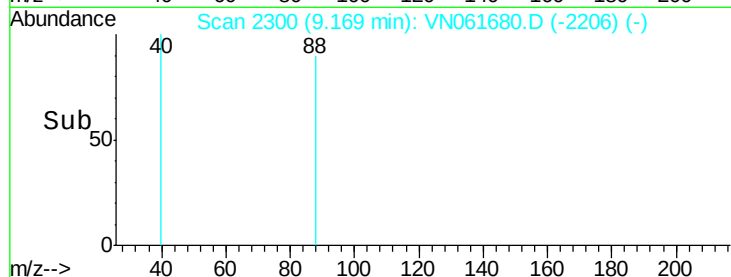
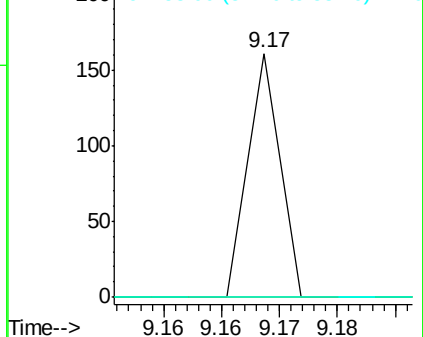
58 0.0 48.3 72.5#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.59 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN061680.D

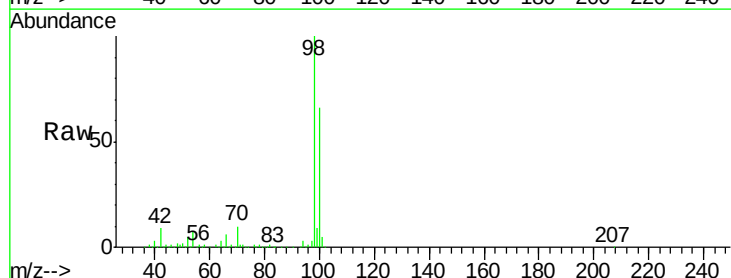
Acq: 5 Jun 2020 19:25

Tgt Ion: 98 Resp: 624794

Ion Ratio Lower Upper

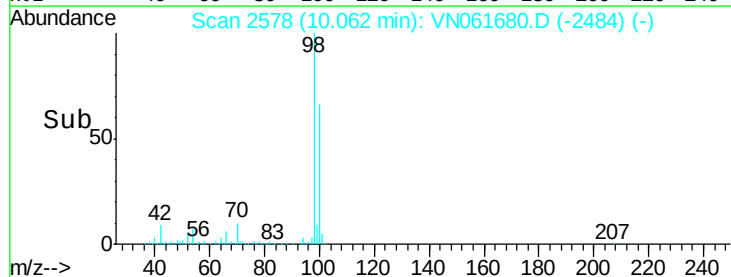
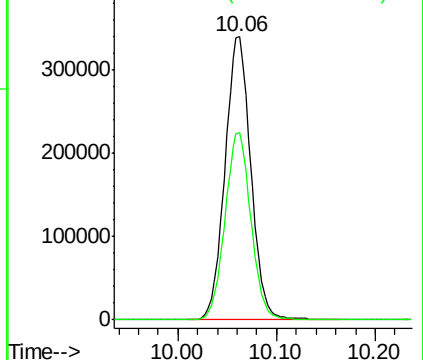
98 100

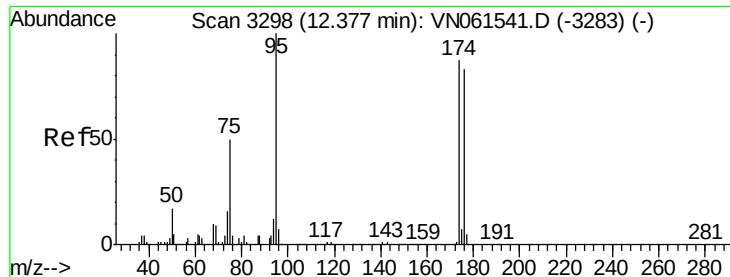
100 66.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

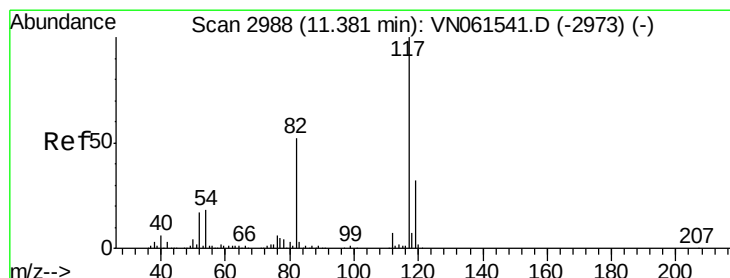
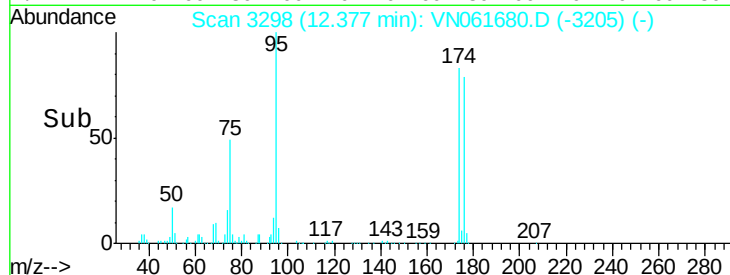
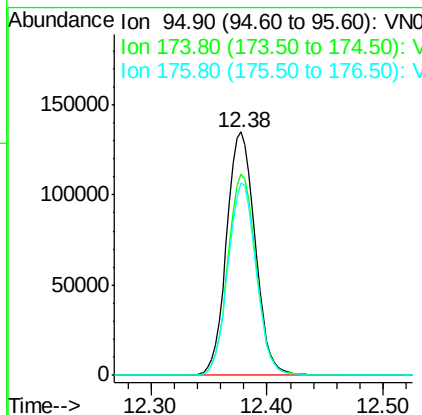
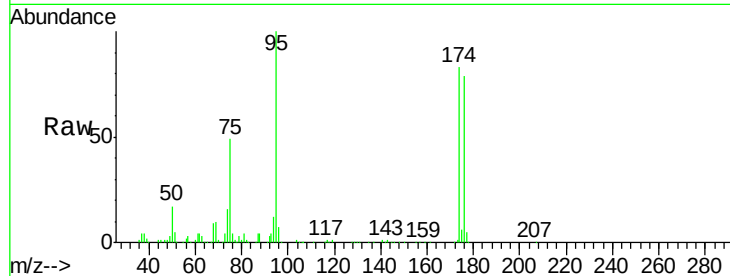




#62
4-Bromofluorobenzene
Concen: 51.09 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061680.D
Acq: 5 Jun 2020 19:25

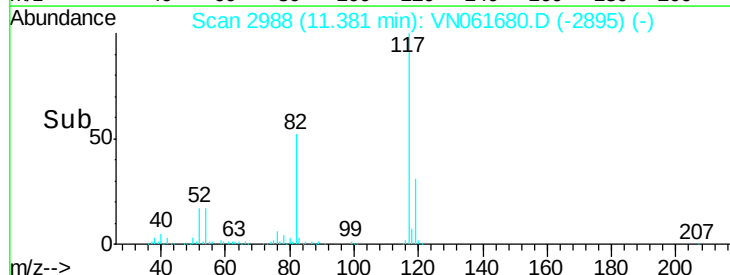
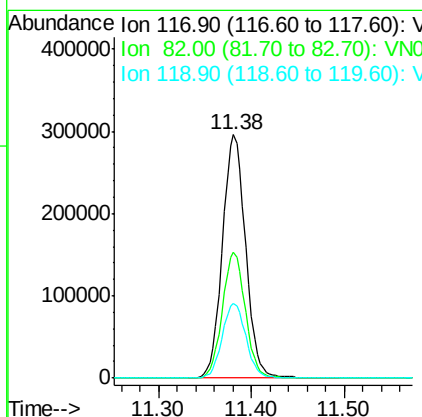
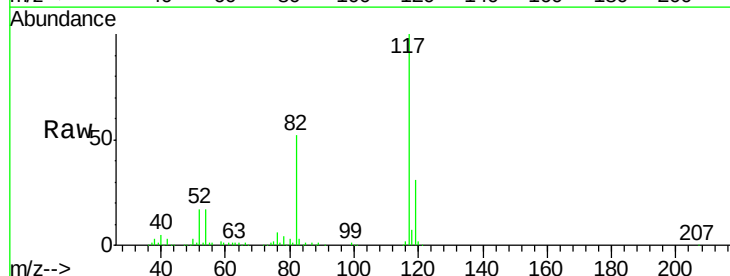
Instrument :
MSVOA_N
ClientSampleId :
LF012RW035-200603

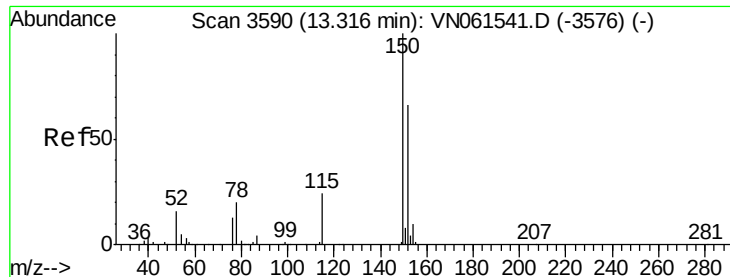
Tgt Ion: 95 Resp: 230229
Ion Ratio Lower Upper
95 100
174 82.0 0.0 172.8
176 78.1 0.0 164.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061680.D
Acq: 5 Jun 2020 19:25

Tgt Ion: 117 Resp: 513530
Ion Ratio Lower Upper
117 100
82 51.6 41.5 62.3
119 30.9 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061680.D

Acq: 5 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

LF012RW035-200603

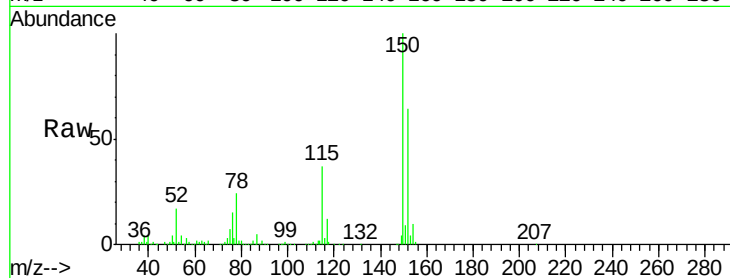
Tgt Ion:152 Resp: 233363

Ion Ratio Lower Upper

152 100

115 57.3 28.0 84.0

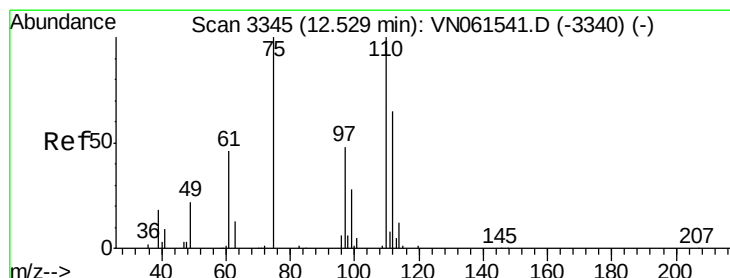
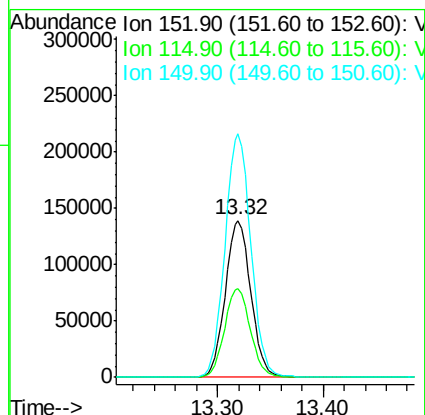
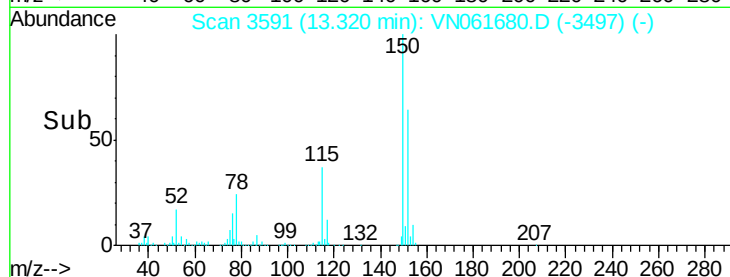
150 157.2 0.0 344.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.49 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061680.D

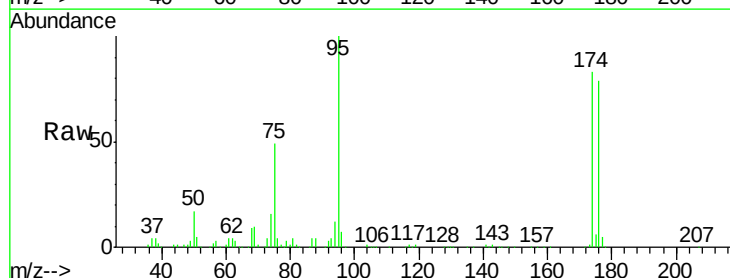
Acq: 5 Jun 2020 19:25

Tgt Ion: 75 Resp: 112389

Ion Ratio Lower Upper

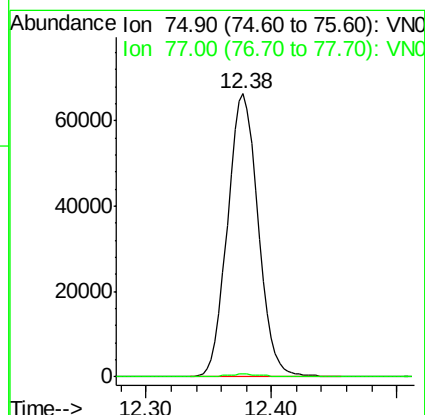
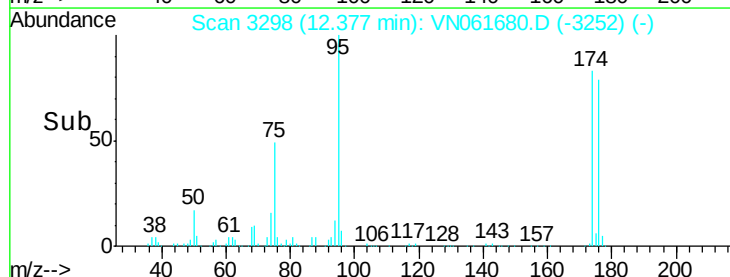
75 100

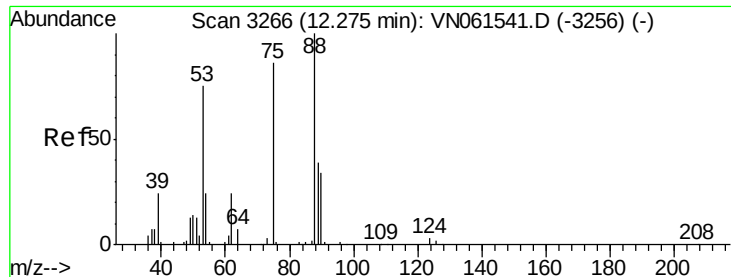
77 1.1 0.0 0.0#



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: 67.73 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061680.D

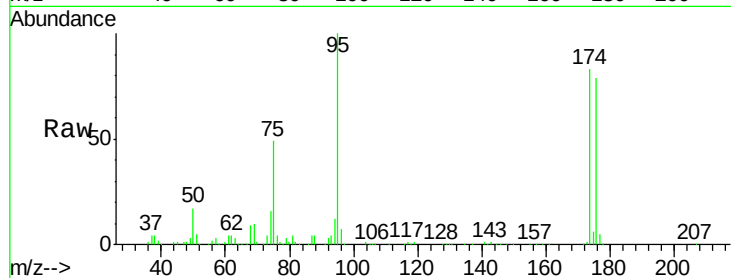
Acq: 5 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

LF012RW035-200603



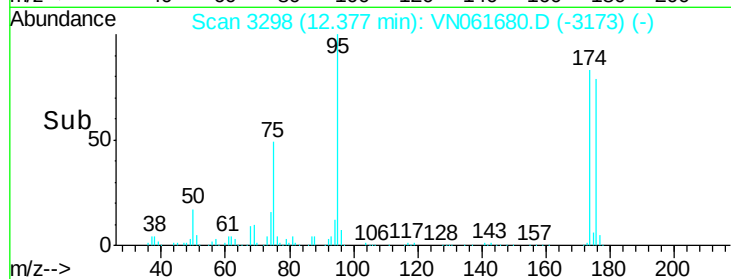
Tgt Ion: 75 Resp: 112389

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

