

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061904.D
 Acq On : 18 Jun 2020 16:51
 Operator : JC/MD
 Sample : L3026-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0569

Quant Time: Jun 19 05:27:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	133960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	251002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	243137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	93756	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	90381	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
35) Dibromofluoromethane	7.55	113	80686	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
50) Toluene-d8	10.06	98	309470	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	12.38	95	102368	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	

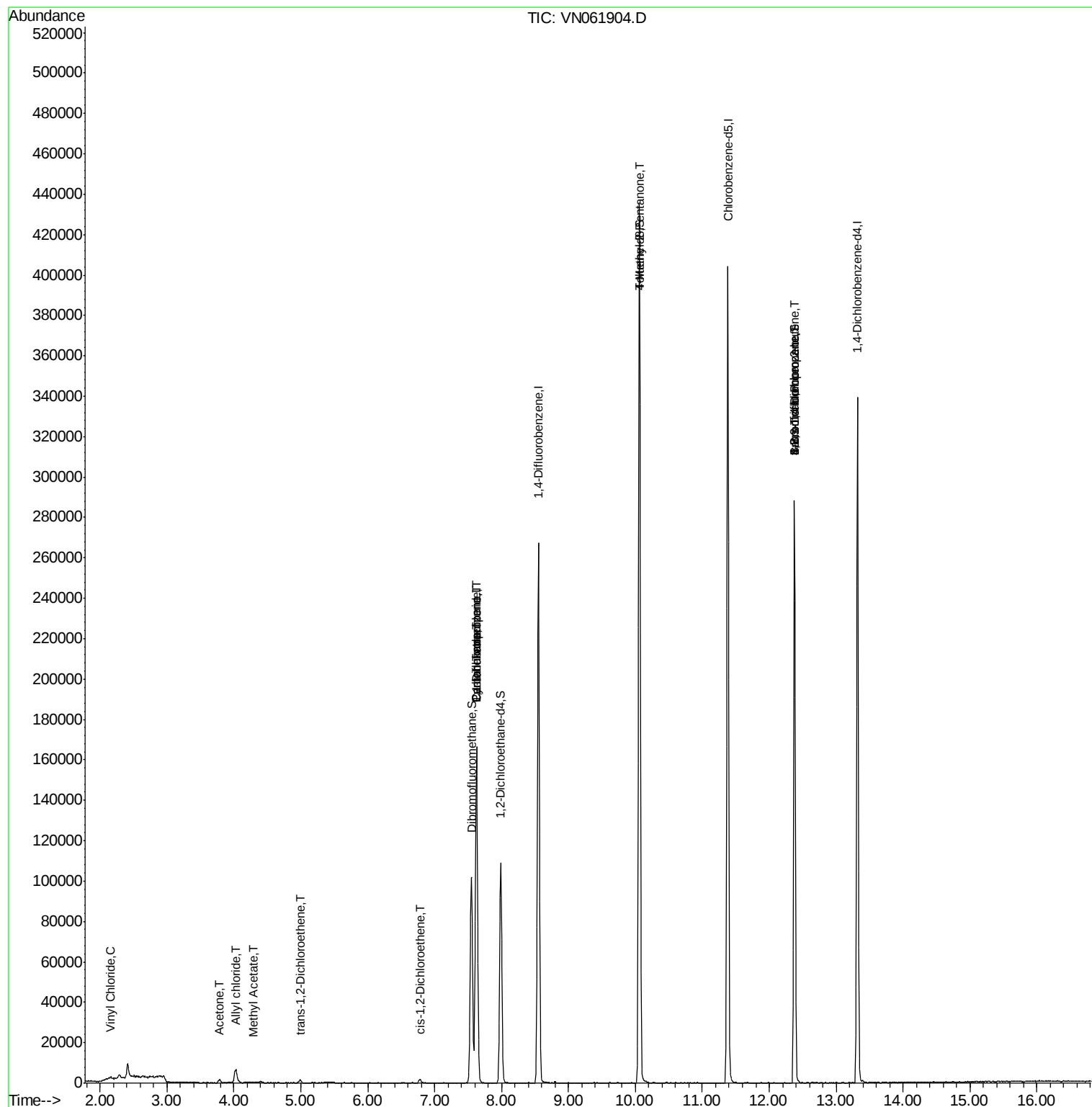
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	1005	0.453	ug/l	99
14) Allyl chloride	4.03	41	1124	0.622	ug/l #	74
16) Acetone	3.79	43	2825	5.323	ug/l	100
18) Methyl Acetate	4.29	43	332	0.217	ug/l #	46
21) trans-1,2-Dichloroethene	4.99	96	1012	0.647	ug/l #	74
27) cis-1,2-Dichloroethene	6.78	96	1389	0.770	ug/l	87
31) Cyclohexane	7.62	56	1389	0.587	ug/l #	23
36) 1,1-Dichloropropene	7.62	75	10694	4.671	ug/l #	47
38) Carbon Tetrachloride	7.63	117	13284	5.859	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1163	0.653	ug/l #	1
71) Bromoform	12.37	173	916	0.702	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	50889	27.647	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50889	75.405	ug/l #	14

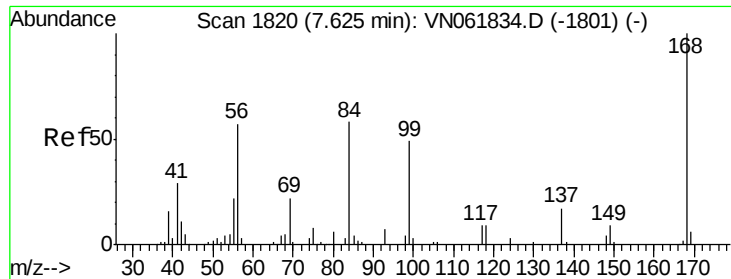
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061820\
Data File : VN061904.D
Acq On : 18 Jun 2020 16:51
Operator : JC/MD
Sample : L3026-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
S49-0569

Quant Time: Jun 19 05:27:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 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: VN061904.D

Acq: 18 Jun 2020 16:51

Instrument :

MSVOA_N

ClientSampled :

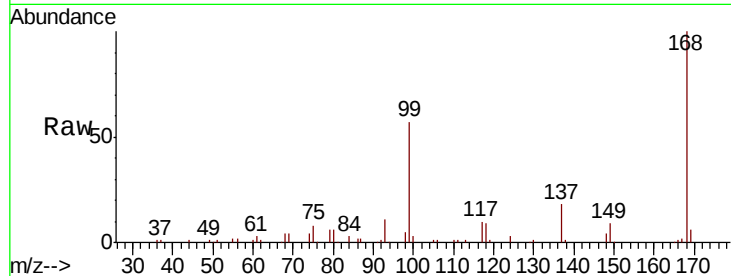
S49-0569

Tot Ion:168 Resp: 133960

Ion Ratio Lower Upper

168 100

99 57.0 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

30000

20000

10000

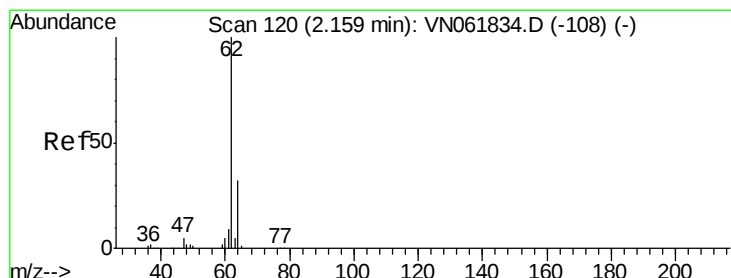
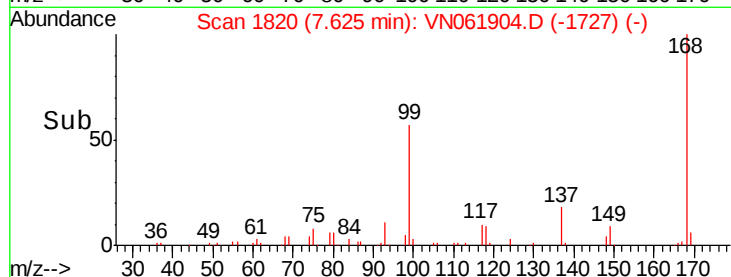
0

Time-->

7.50

7.60

7.70



#4

Vinyl Chloride

Concen: 0.453 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061904.D

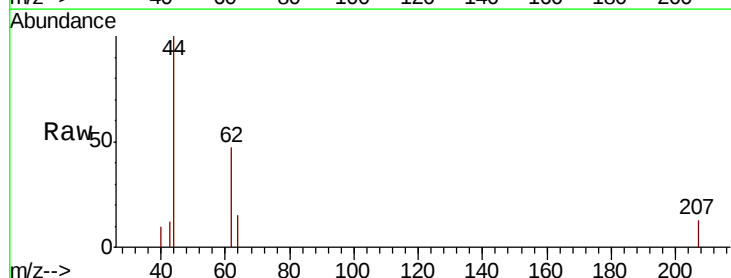
Acq: 18 Jun 2020 16:51

Tgt Ion: 62 Resp: 1005

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

2.16

800

600

400

200

0

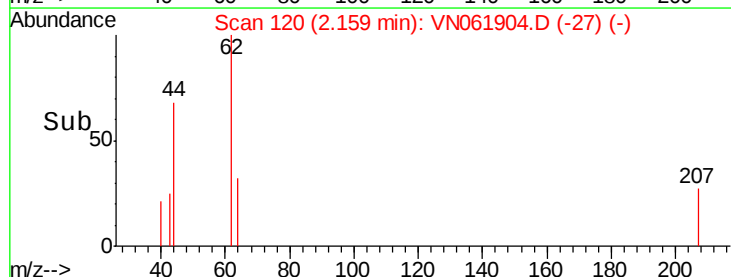
Time-->

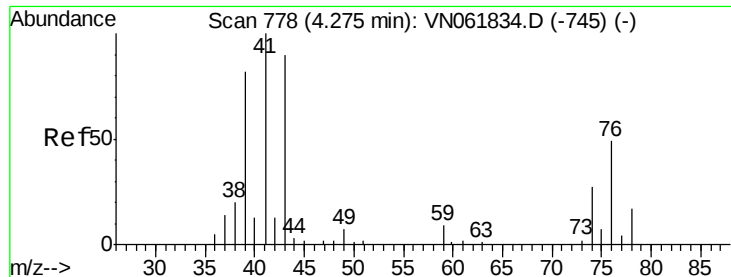
2.12

2.14

2.16

2.18

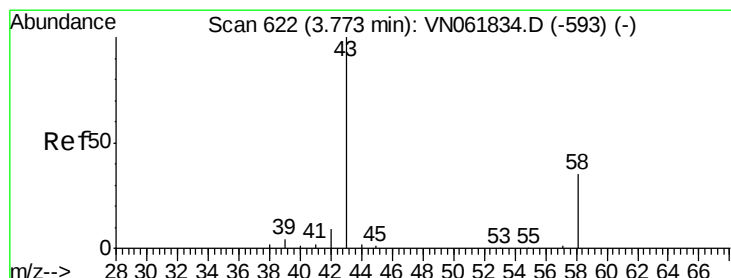
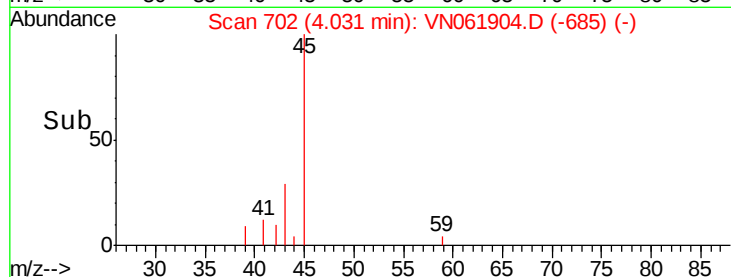
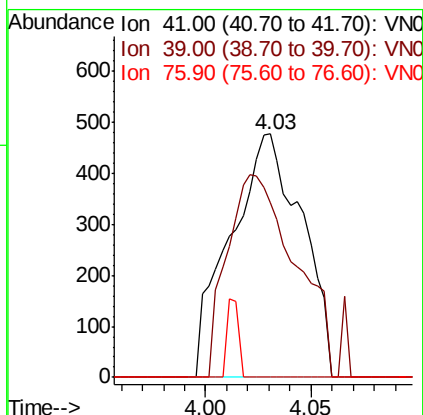
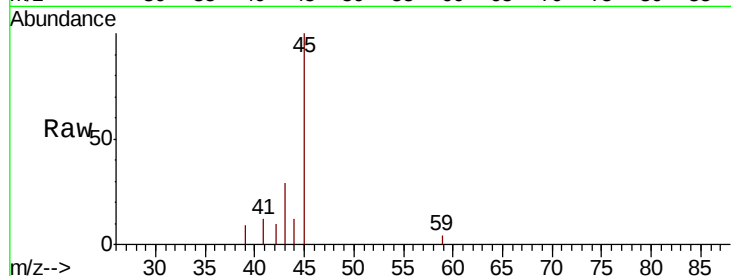




#14
Allvl chloride
Concen: 0.622 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.24 min
Lab File: VN061904.D
Acq: 18 Jun 2020 16:51

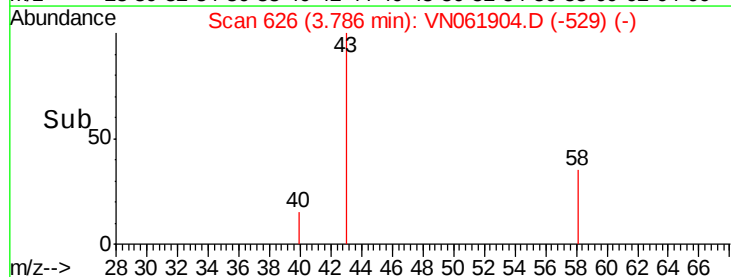
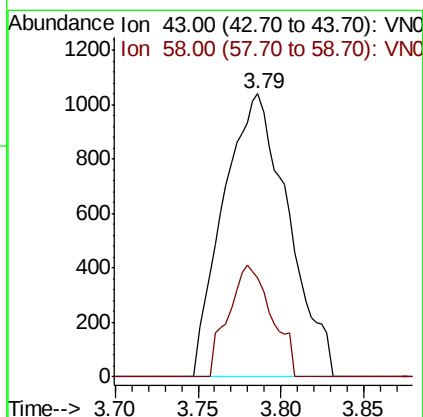
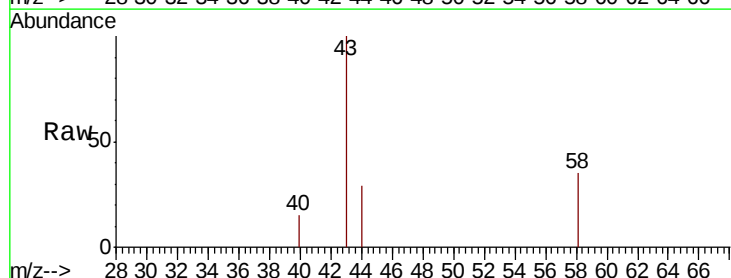
Instrument :
MSVOA_N
ClientSampled :
S49-0569

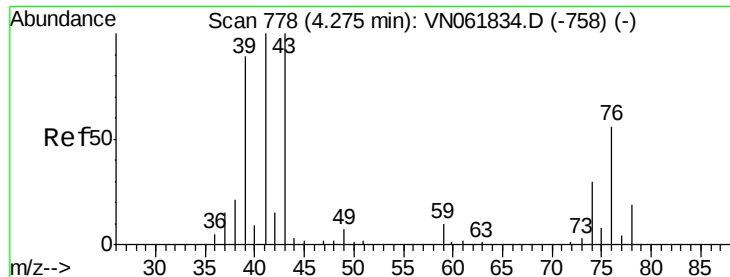
Tot Ion: 41 Resp: 1124
Ion Ratio Lower Upper
41 100
39 78.9 60.2 90.2
76 5.2 36.3 54.5#



#16
Acetone
Concen: 5.323 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN061904.D
Acq: 18 Jun 2020 16:51

Tgt Ion: 43 Resp: 2825
Ion Ratio Lower Upper
43 100
58 34.8 27.8 41.8

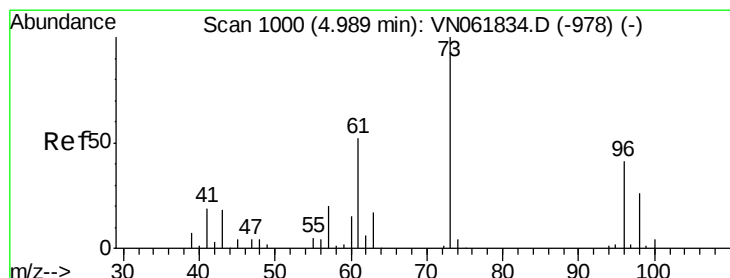
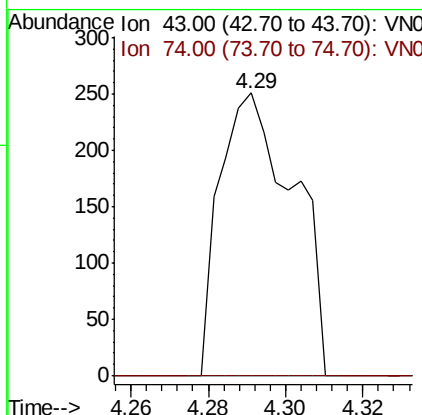
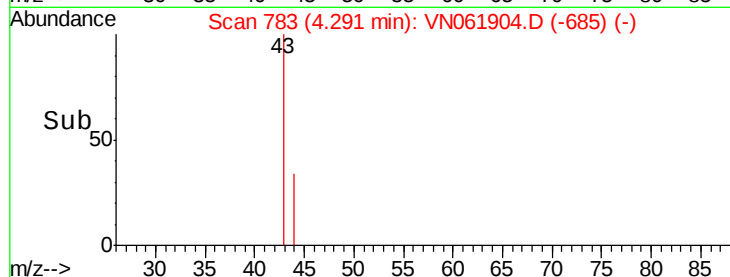
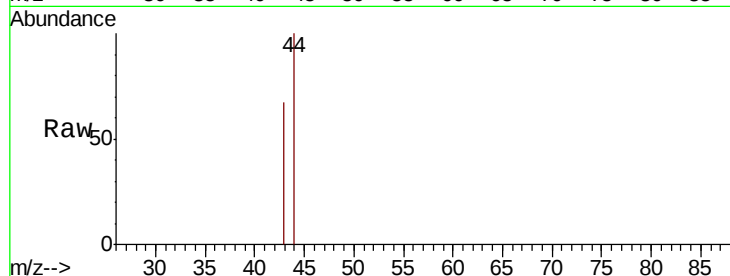




#18
Methyl Acetate
Concen: 0.217 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.02 min
Lab File: VN061904.D
Acq: 18 Jun 2020 16:51

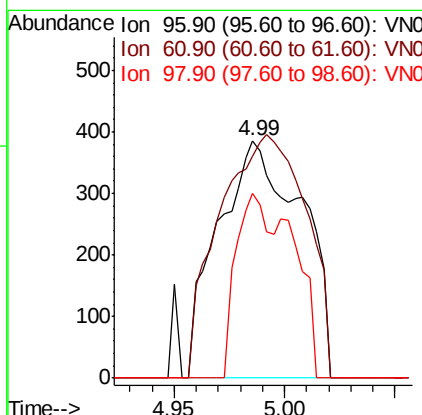
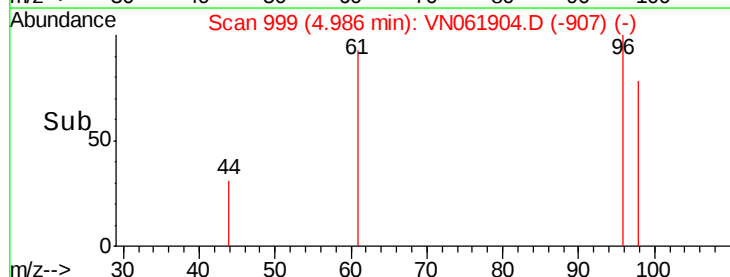
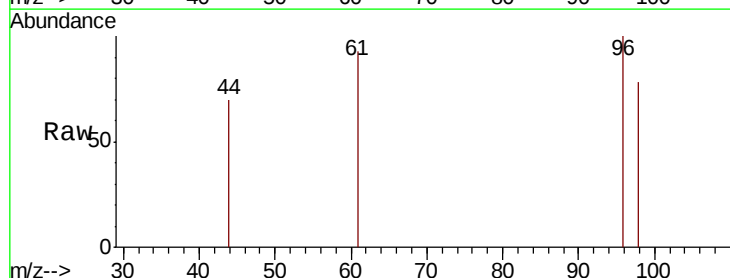
Instrument :
MSVOA_N
ClientSampled :
S49-0569

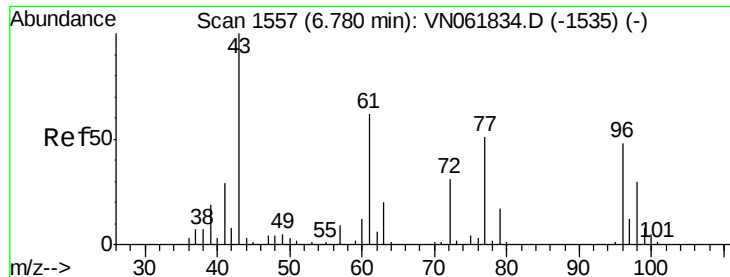
Tot Ion: 43 Resp: 332
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.4#



#21
trans-1,2-Dichloroethene
Concen: 0.647 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061904.D
Acq: 18 Jun 2020 16:51

Tgt Ion: 96 Resp: 1012
Ion Ratio Lower Upper
96 100
61 93.3 102.2 153.4#
98 78.0 51.2 76.8#





#27

cis-1,2-Dichloroethene

Concen: 0.770 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061904.D

Acq: 18 Jun 2020 16:51

Instrument :

MSVOA_N

ClientSampleId :

S49-0569

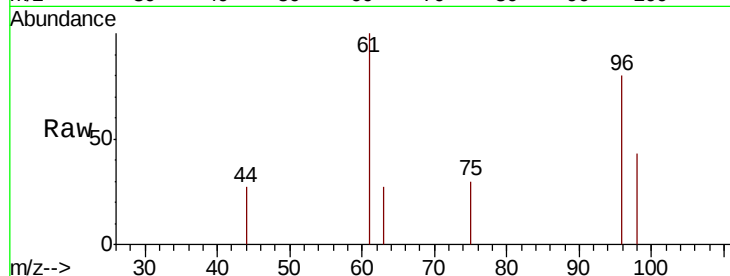
Tot Ion: 96 Resp: 1389

Ion Ratio Lower Upper

96 100

61 119.1 0.0 265.6

98 51.9 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-1535) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-1535) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-1535) (-)

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

6.78

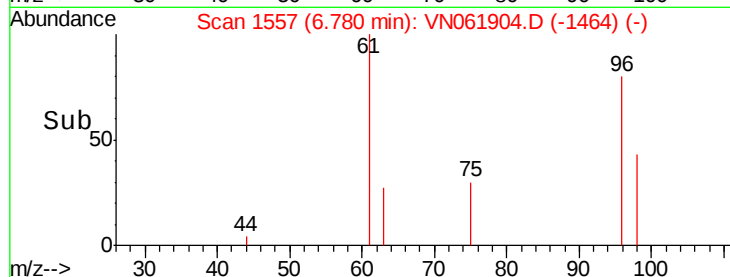
6.78

6.78

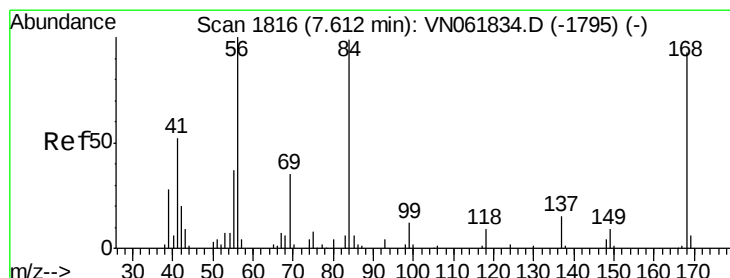
6.78

6.78

6.78



Time-->



#31

Cyclohexane

Concen: 0.587 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN061904.D

Acq: 18 Jun 2020 16:51

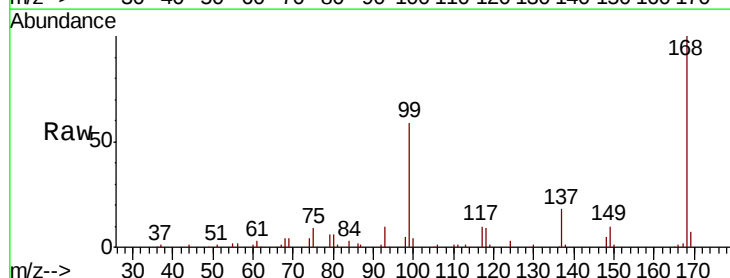
Tgt Ion: 56 Resp: 1389

Ion Ratio Lower Upper

56 100

69 162.9 27.7 41.5#

84 125.3 79.1 118.7#



Abundance Ion 56.00 (55.70 to 56.70): VN061834.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN061834.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061834.D (-1795) (-)

7.62

7.62

7.62

7.62

7.62

7.62

7.62

7.62

7.62

7.62

7.62

7.62

7.62

7.62

7.62

7.62

7.62

7.62

7.62

7.62

7.62

7.62

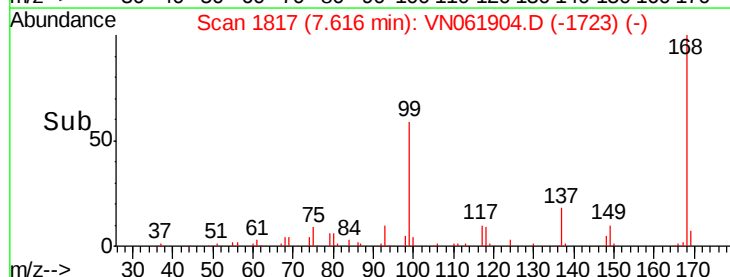
7.62

7.62

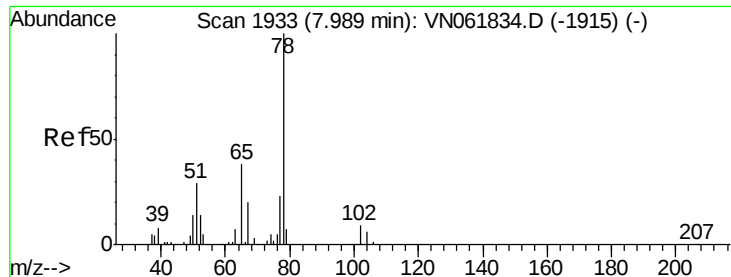
7.62

7.62

7.62



Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.307 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061904.D

Acq: 18 Jun 2020 16:51

Instrument :

MSVOA_N

ClientSampled :

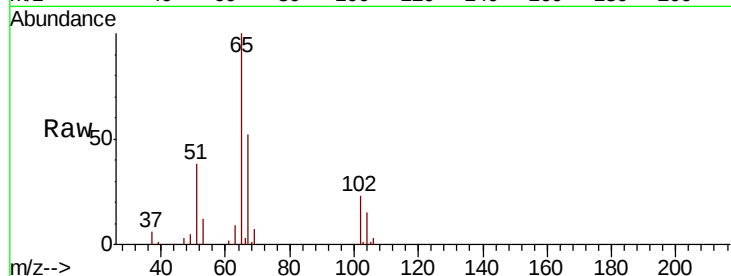
S49-0569

Tot Ion: 65 Resp: 90381

Ion Ratio Lower Upper

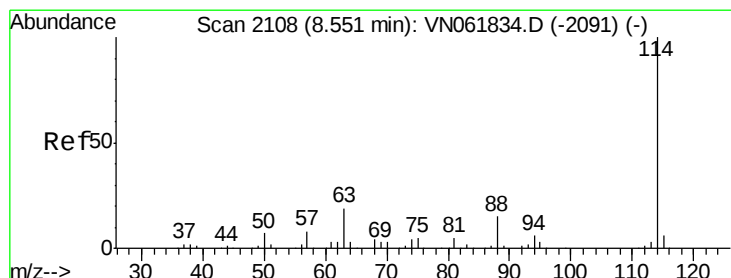
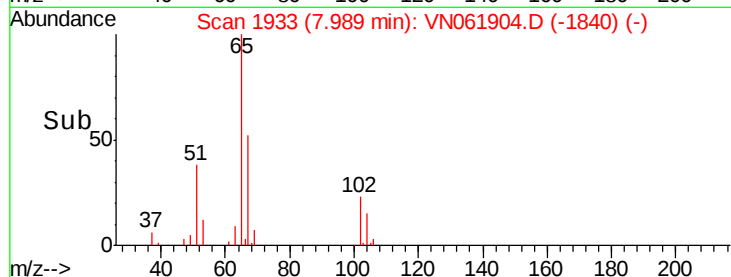
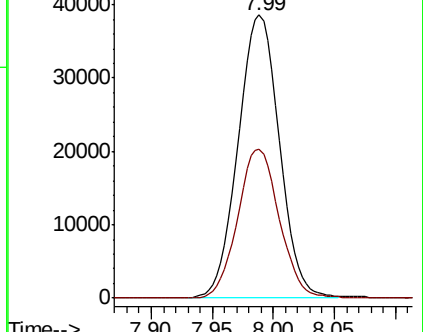
65 100

67 52.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN061834.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN061834.D (-1915) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061904.D

Acq: 18 Jun 2020 16:51

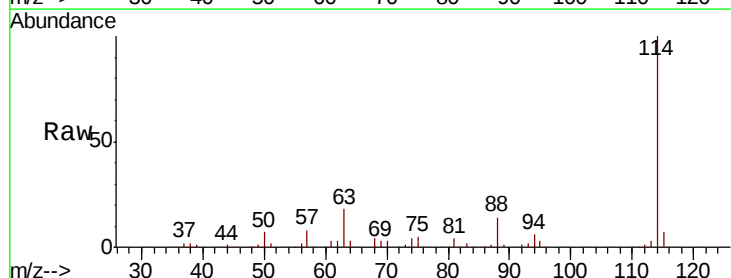
Tgt Ion: 114 Resp: 251002

Ion Ratio Lower Upper

114 100

63 17.6 0.0 37.6

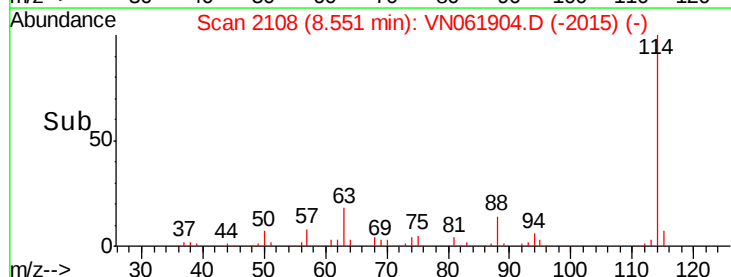
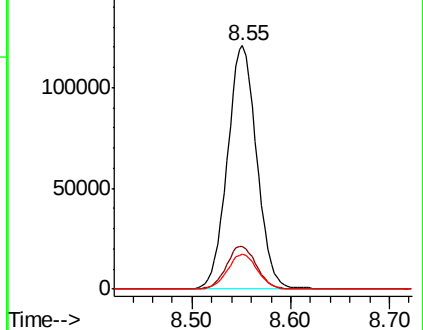
88 14.4 0.0 31.0

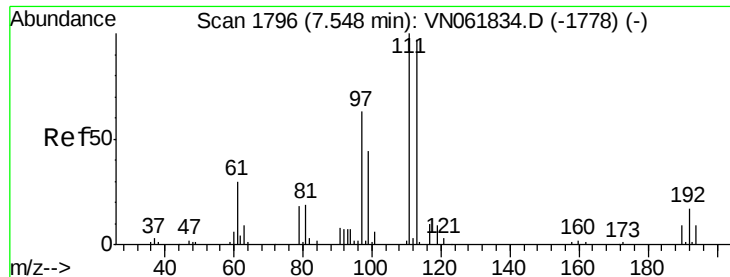


Abundance Ion 113.90 (113.60 to 114.60): VN061834.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN061834.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN061834.D (-2091) (-)





#35

Dibromofluoromethane

Concen: 50.247 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN061904.D

Acq: 18 Jun 2020 16:51

Instrument :

MSVOA_N

ClientSampleId :

S49-0569

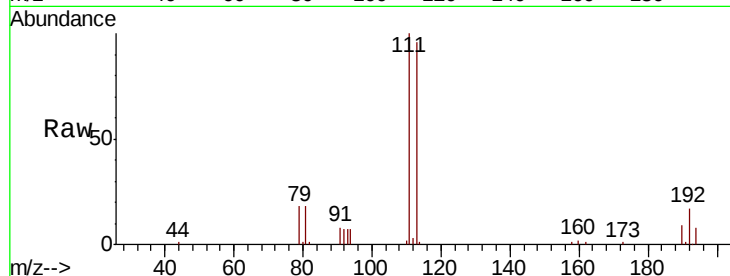
Tot Ion:113 Resp: 80686

Ion Ratio Lower Upper

113 100

111 103.5 83.7 125.5

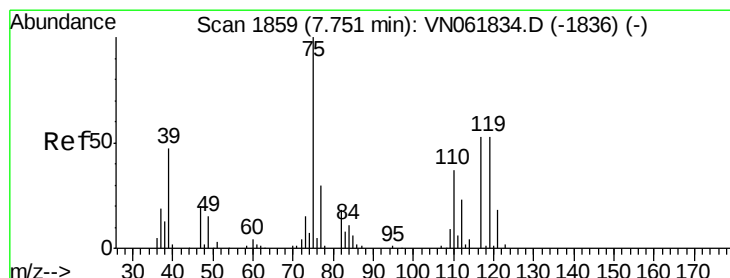
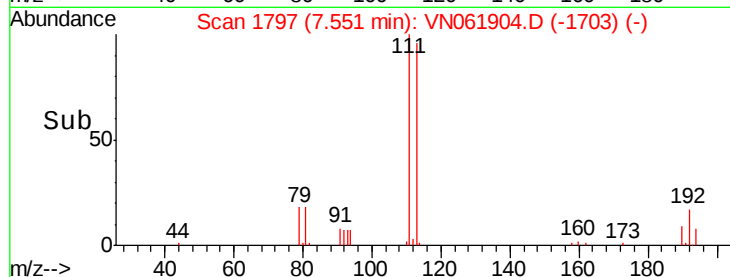
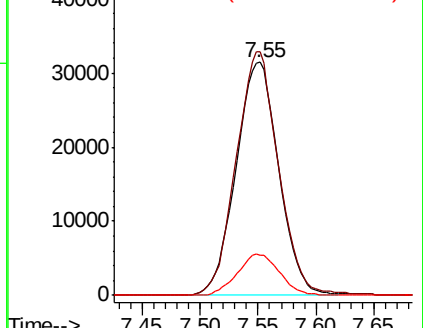
192 17.3 13.9 20.9



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: 4.671 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.13 min

Lab File: VN061904.D

Acq: 18 Jun 2020 16:51

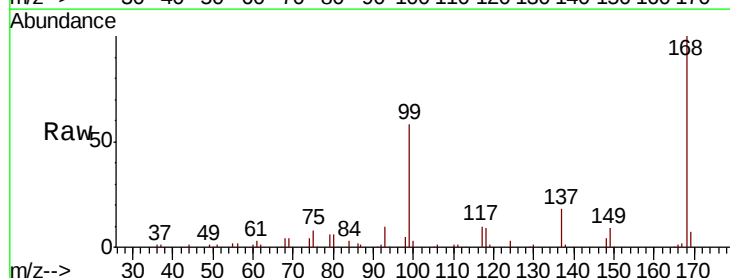
Tgt Ion: 75 Resp: 10694

Ion Ratio Lower Upper

75 100

110 6.9 18.2 54.6#

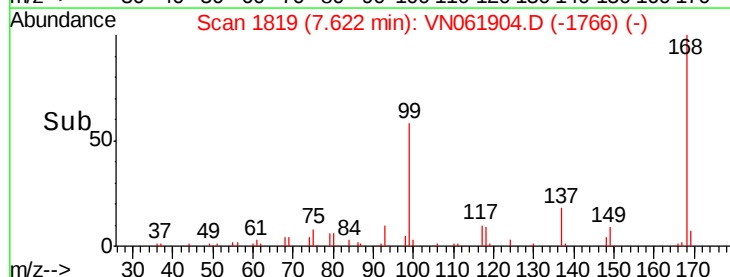
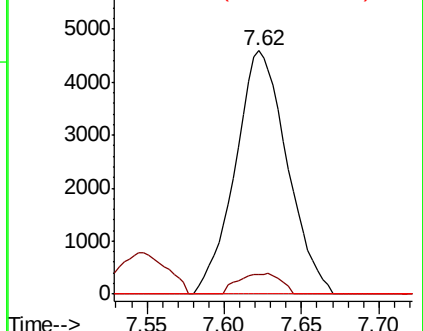
77 0.0 24.2 36.4#

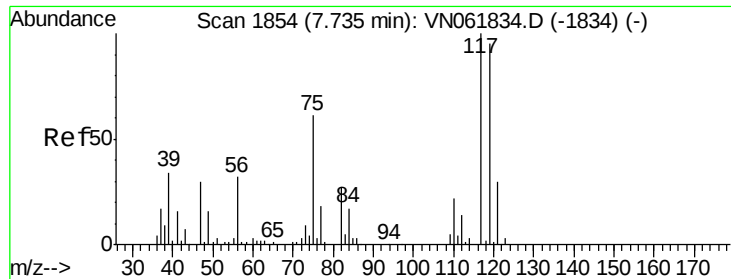


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.859 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061904.D

Acq: 18 Jun 2020 16:51

Instrument :

MSVOA_N

ClientSampleId :

S49-0569

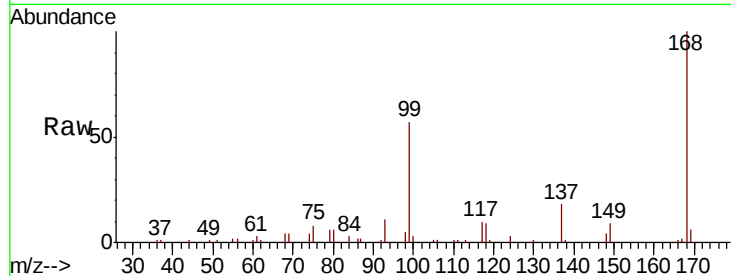
Tot Ion:117 Resp: 13284

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

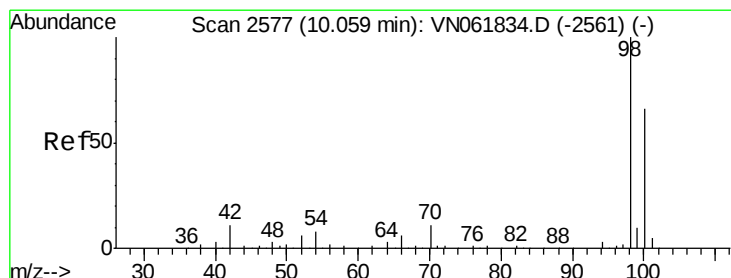
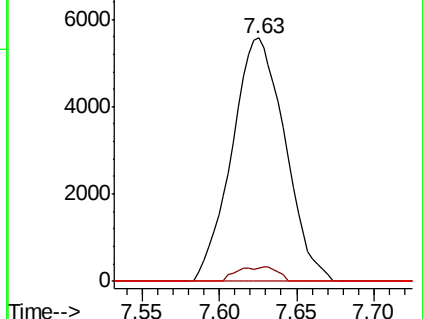
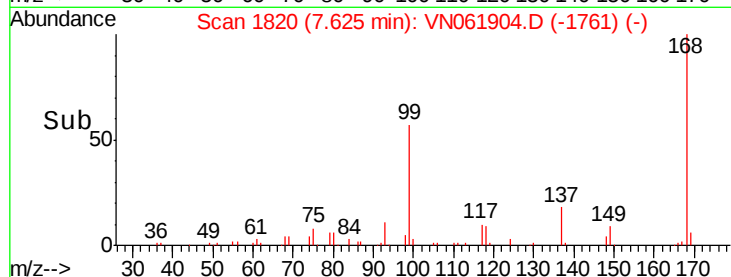
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.021 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061904.D

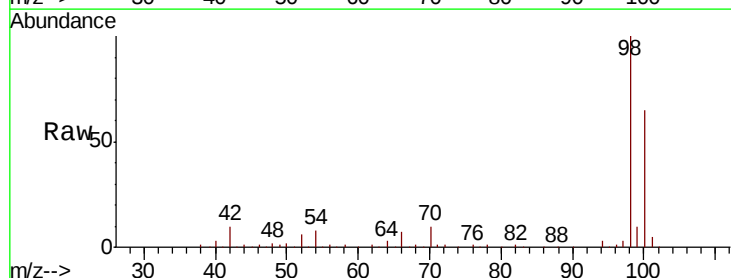
Acq: 18 Jun 2020 16:51

Tgt Ion: 98 Resp: 309470

Ion Ratio Lower Upper

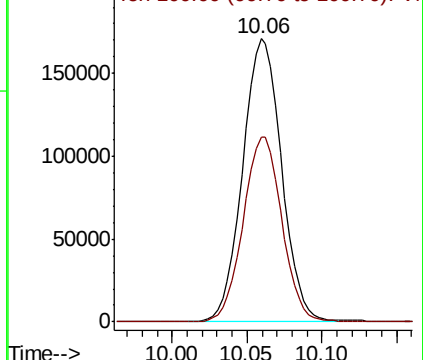
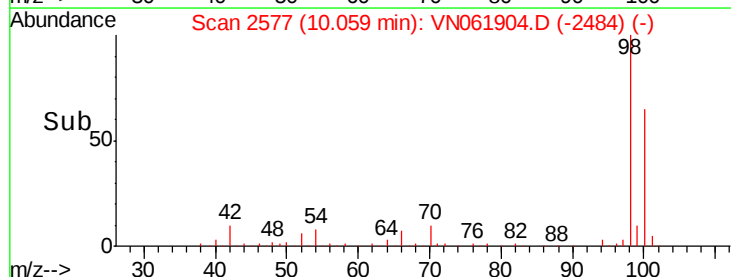
98 100

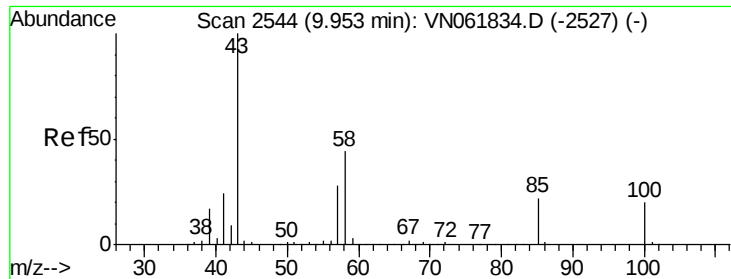
100 65.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.653 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061904.D

Acq: 18 Jun 2020 16:51

Instrument :

MSVOA_N

ClientSampled :

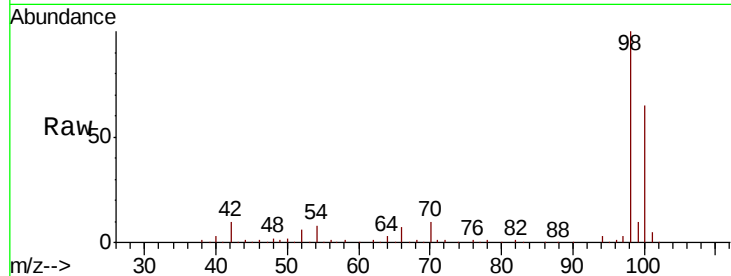
S49-0569

Tot Ion: 43 Resp: 1163

Ion Ratio Lower Upper

43 100

58 182.5 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

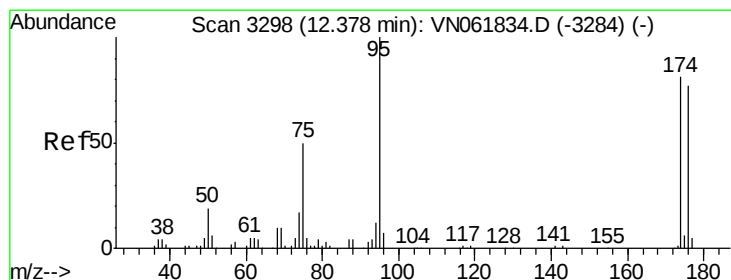
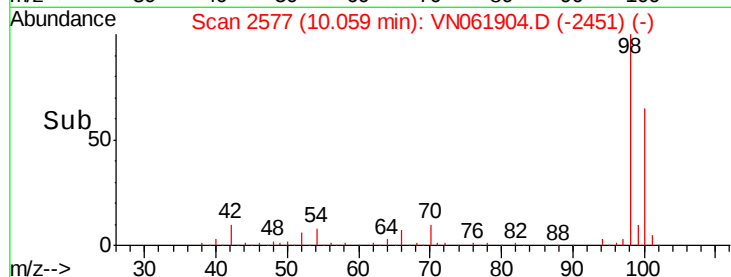
Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

10.06

10.05

10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 47.273 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061904.D

Acq: 18 Jun 2020 16:51

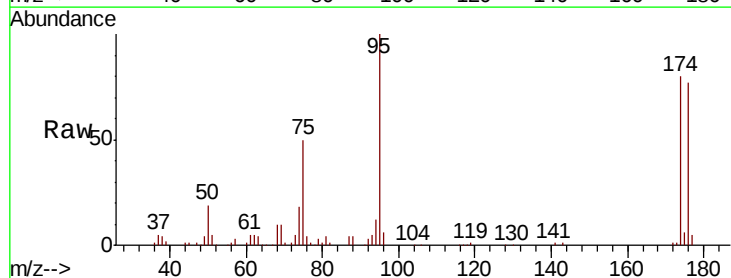
Tgt Ion: 95 Resp: 102368

Ion Ratio Lower Upper

95 100

174 79.9 0.0 158.6

176 74.8 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)

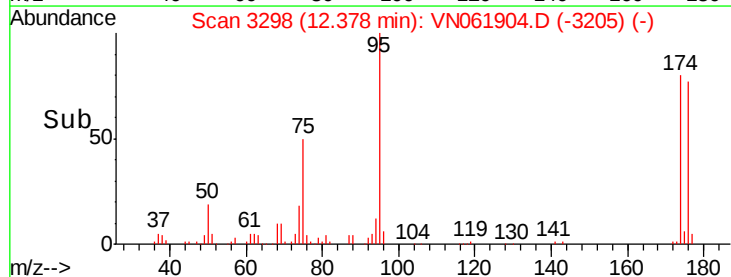
12.38

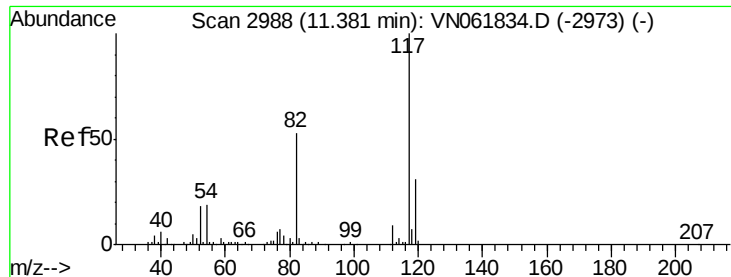
12.30

12.40

12.50

Time-->

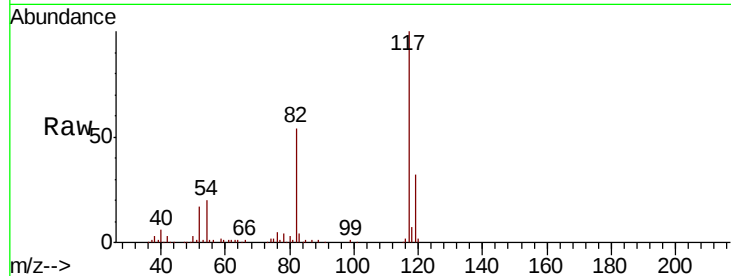




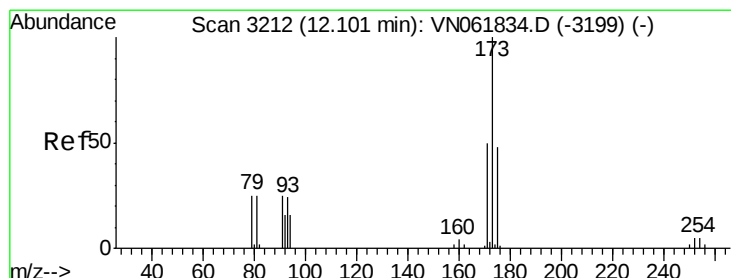
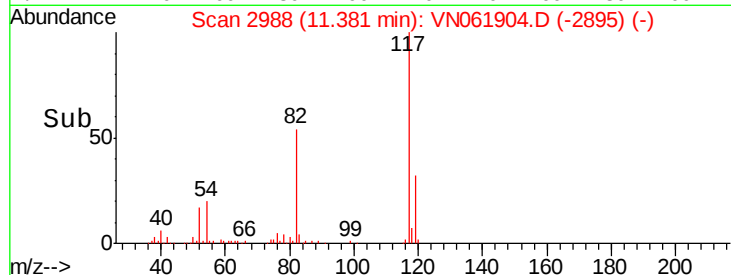
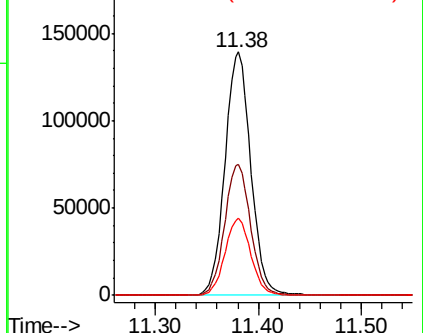
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061904.D
Acq: 18 Jun 2020 16:51

Instrument :
MSVOA_N
ClientSampleId :
S49-0569

Tot Ion:117 Resp: 243137
Ion Ratio Lower Upper
117 100
82 53.7 42.6 64.0
119 31.5 24.7 37.1

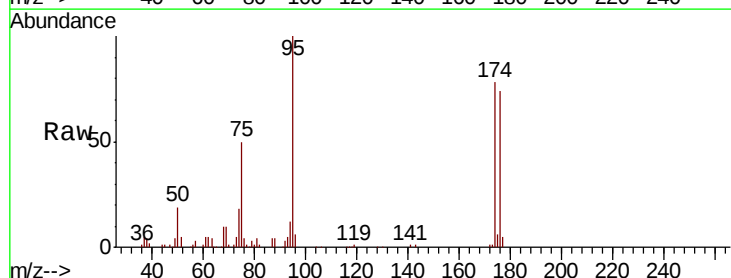


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

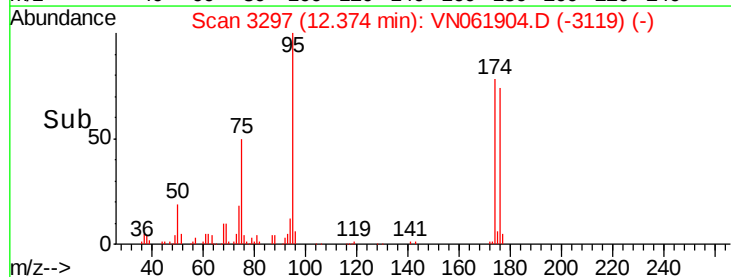
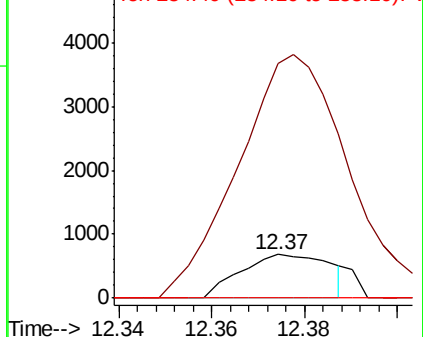


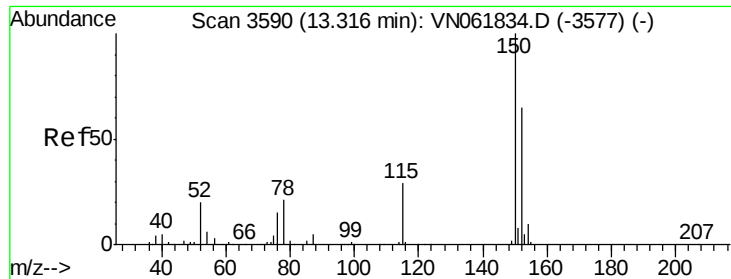
#71
Bromoform
Concen: 0.702 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061904.D
Acq: 18 Jun 2020 16:51

Tgt Ion:173 Resp: 916
Ion Ratio Lower Upper
173 100
175 577.4 23.9 71.7#
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: VN061904.D

Acq: 18 Jun 2020 16:51

Instrument :

MSVOA_N

ClientSampled :

S49-0569

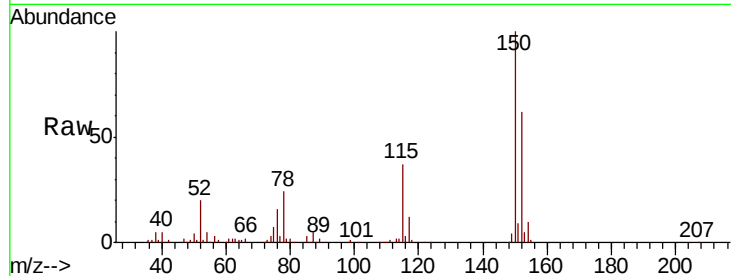
Tot Ion:152 Resp: 93756

Ion Ratio Lower Upper

152 100

115 58.4 29.1 87.3

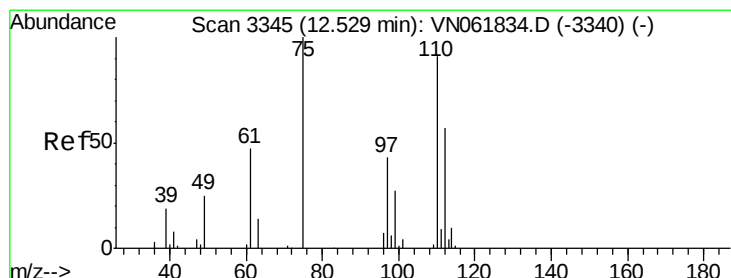
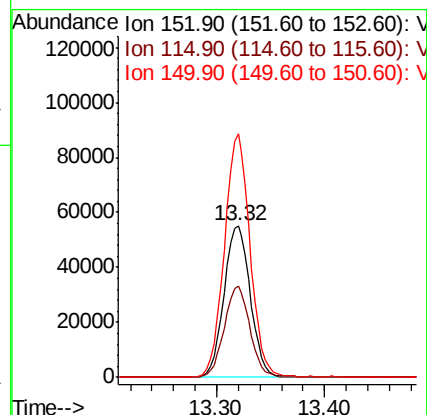
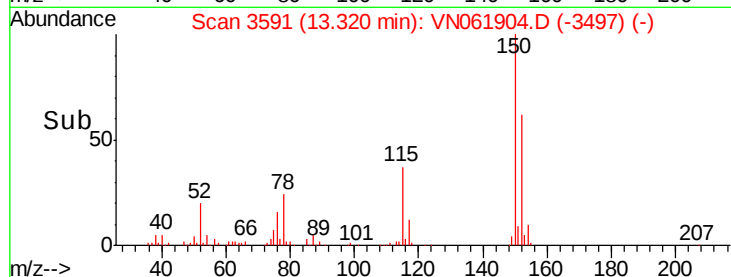
150 155.5 0.0 347.6



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: 27.647 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061904.D

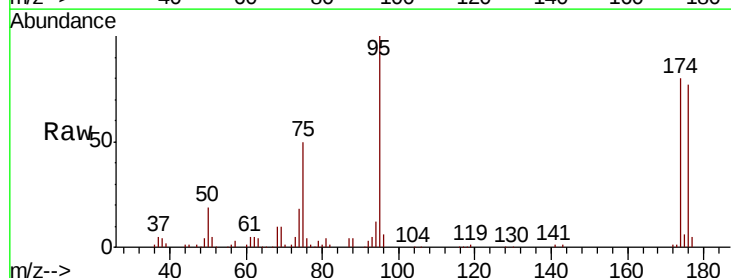
Acq: 18 Jun 2020 16:51

Tgt Ion: 75 Resp: 50889

Ion Ratio Lower Upper

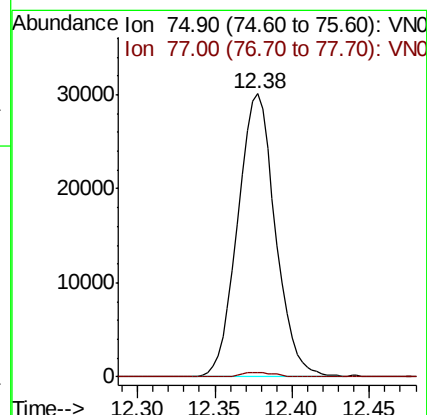
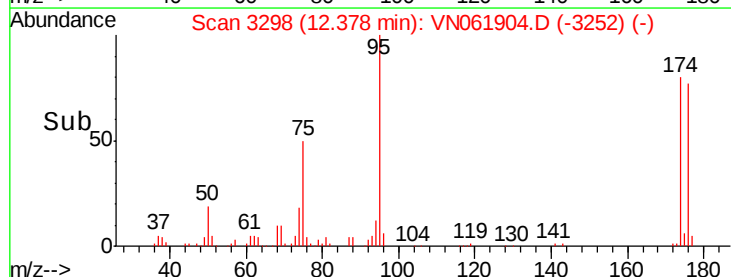
75 100

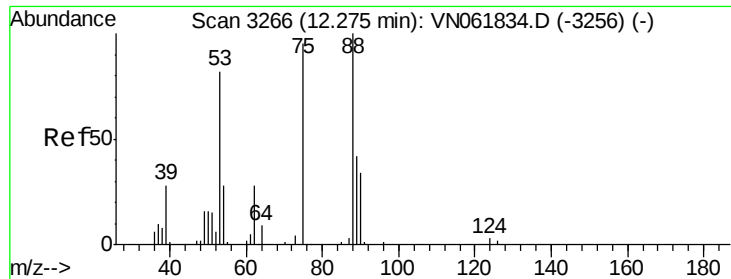
77 1.4 0.0 0.0#



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: 75.405 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061904.D

Acq: 18 Jun 2020 16:51

Instrument :

MSVOA_N

ClientSampleId :

S49-0569

Tot Ion: 75 Resp: 50889

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

