

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061859.D
 Acq On : 17 Jun 2020 19:27
 Operator : JC/MD
 Sample : L3003-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0568

Quant Time: Jun 18 03:56:53 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	134414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	246388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	229506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	85349	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	89334	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
35) Dibromofluoromethane	7.55	113	79169	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	10.06	98	301482	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
62) 4-Bromofluorobenzene	12.38	95	96071	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	

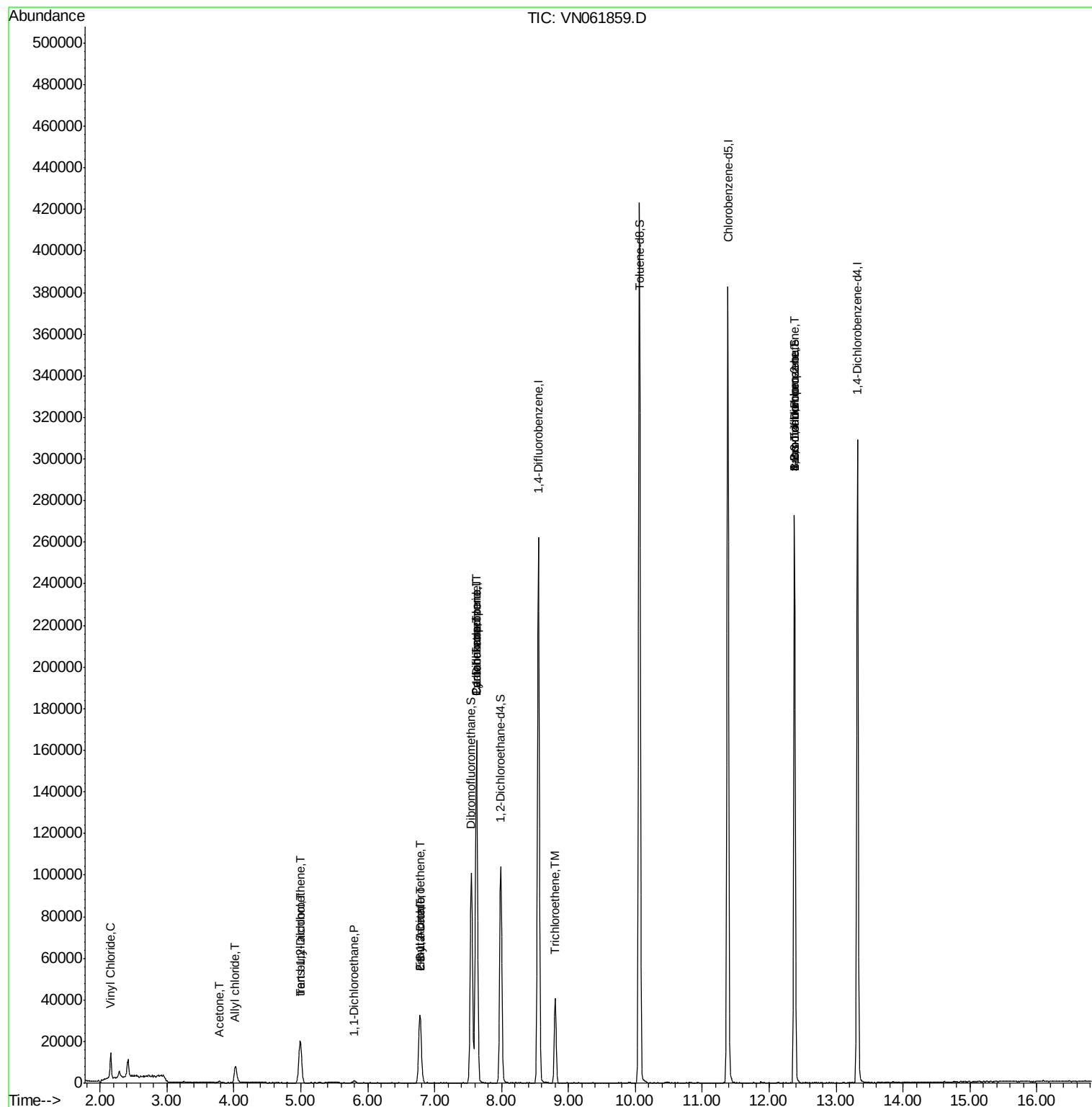
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	10068	4.527	ug/l	95
11) Tert butyl alcohol	4.98	59	244	0.978	ug/l #	74
14) Allyl chloride	4.03	41	1142	0.630	ug/l #	60
16) Acetone	3.77	43	1200	2.254	ug/l #	40
21) trans-1,2-Dichloroethene	5.00	96	14376	9.164	ug/l	96
24) 1,1-Dichloroethane	5.81	63	2323	0.856	ug/l #	82
25) 2-Butanone	6.79	43	1246	1.604	ug/l	93
27) cis-1,2-Dichloroethene	6.78	96	23514	12.991	ug/l	89
31) Cyclohexane	7.62	56	2905	1.223	ug/l #	18
36) 1,1-Dichloropropene	7.62	75	10561	4.699	ug/l #	47
37) Ethyl Acetate	6.79	43	1246	0.710	ug/l #	1
38) Carbon Tetrachloride	7.63	117	13500	6.066	ug/l #	17
44) Trichloroethene	8.80	130	15326	8.554	ug/l	94
71) Bromoform	12.38	173	487	0.395	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	48594	29.001	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48594	79.097	ug/l #	14

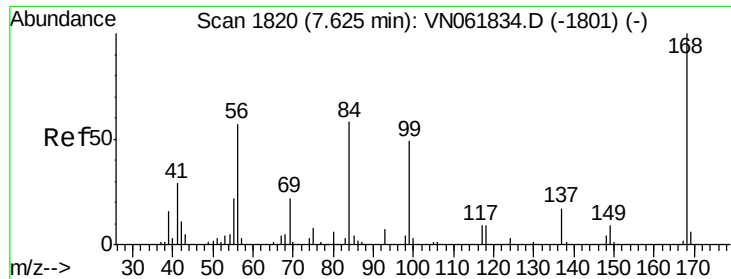
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061720\
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Quant Time: Jun 18 03:56:53 2020
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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: VN061859.D

Acq: 17 Jun 2020 19:27

Instrument :

MSVOA_N

ClientSampleId :

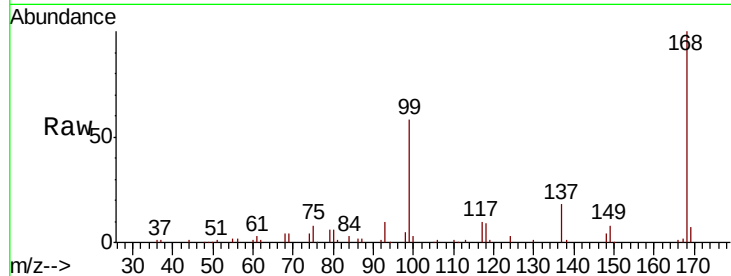
S49-0568

Tot Ion:168 Resp: 134414

Ion Ratio Lower Upper

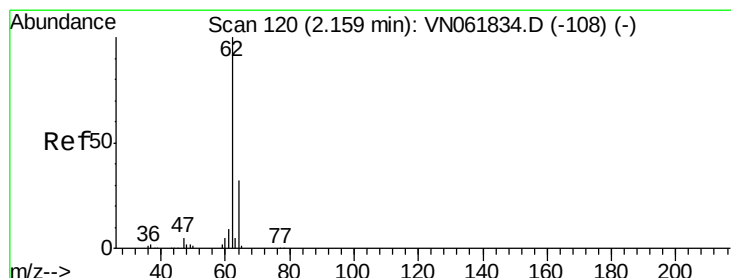
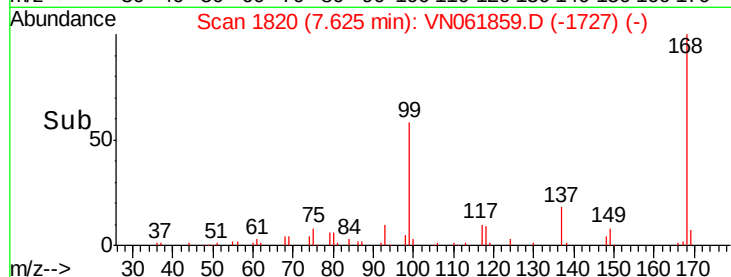
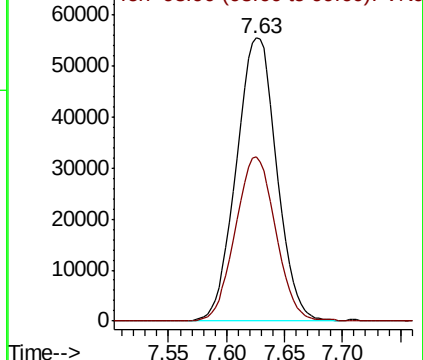
168 100

99 57.9 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Vinyl Chloride

Concen: 4.527 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061859.D

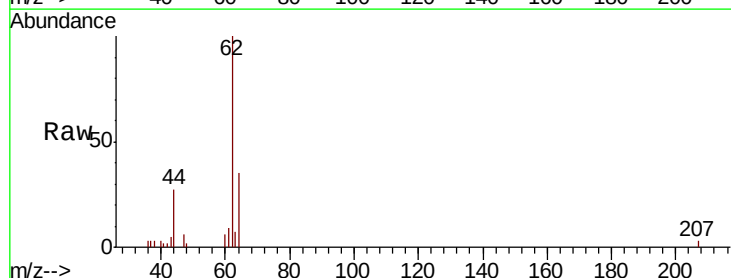
Acq: 17 Jun 2020 19:27

Tgt Ion: 62 Resp: 10068

Ion Ratio Lower Upper

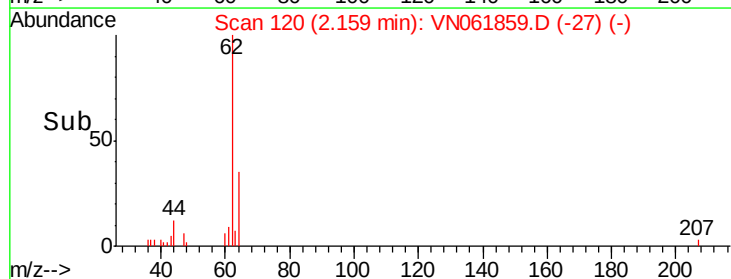
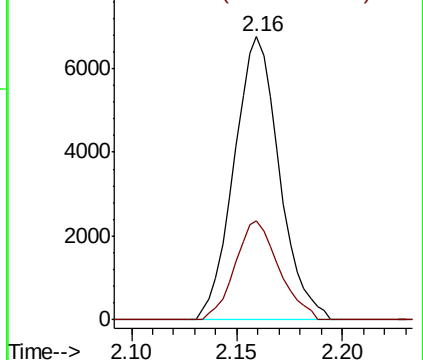
62 100

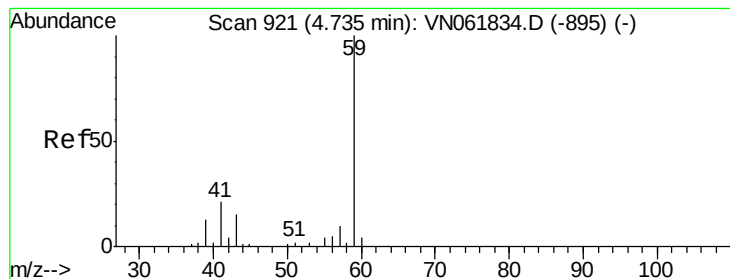
64 34.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



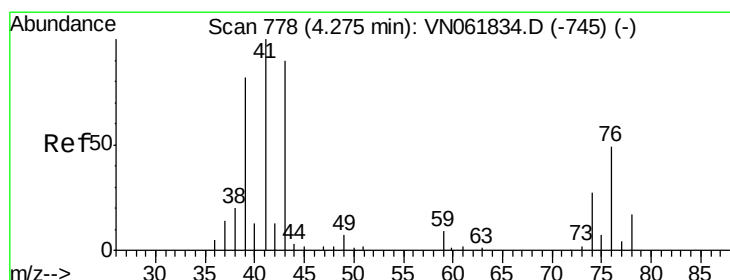
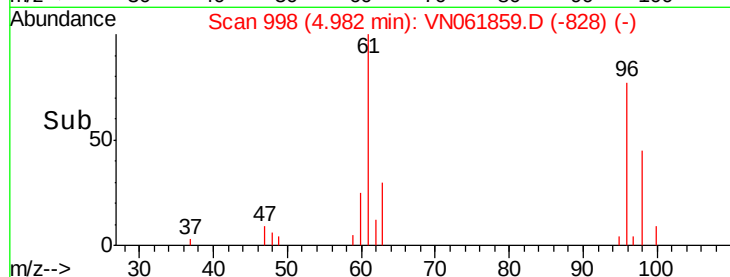
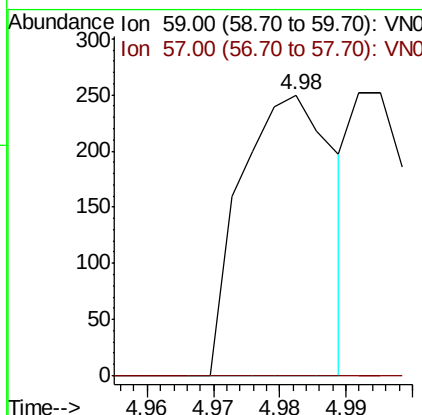
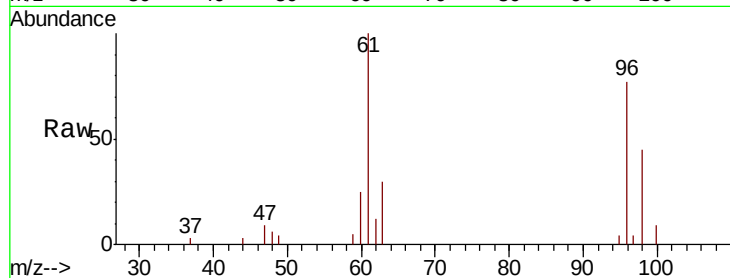


#11

Tert butyl alcohol
 Concen: 0.978 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. 0.25 min
 Lab File: VN061859.D
 Acq: 17 Jun 2020 19:27

Instrument :
 MSVOA_N
 ClientSampled :
 S49-0568

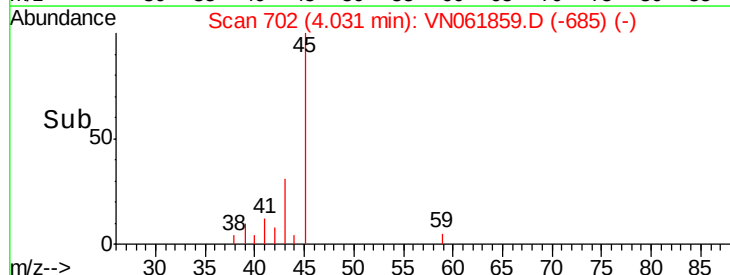
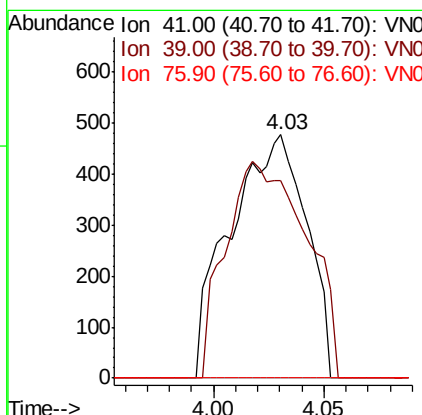
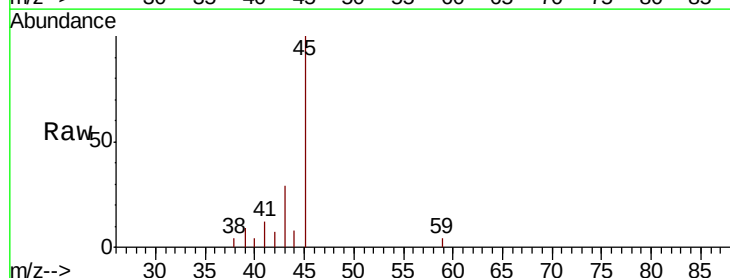
Tot Ion: 59 Resp: 244
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

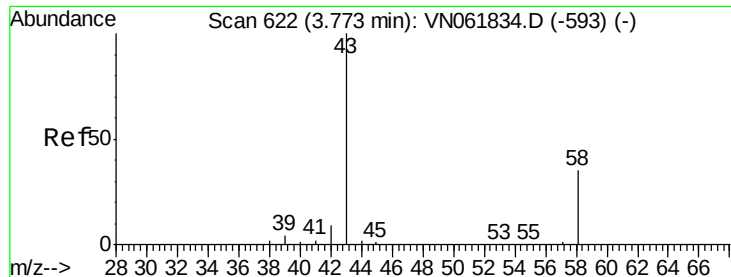


#14

Allyl chloride
 Concen: 0.630 ug/l
 RT: 4.03 min Scan# 702
 Delta R.T. -0.24 min
 Lab File: VN061859.D
 Acq: 17 Jun 2020 19:27

Tgt Ion: 41 Resp: 1142
 Ion Ratio Lower Upper
 41 100
 39 94.2 60.2 90.2#
 76 0.0 36.3 54.5#





#16

Acetone

Concen: 2.254 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061859.D

Acq: 17 Jun 2020 19:27

Instrument :

MSVOA_N

ClientSampleId :

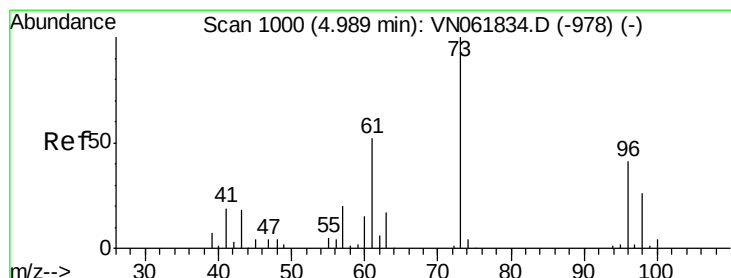
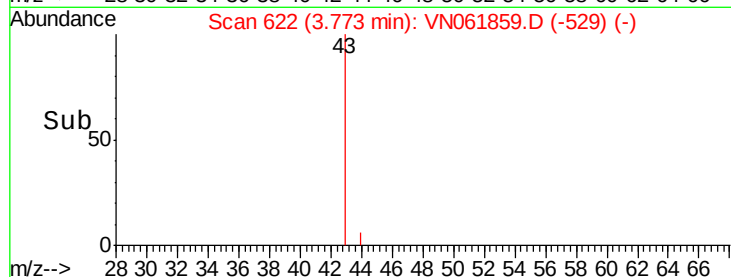
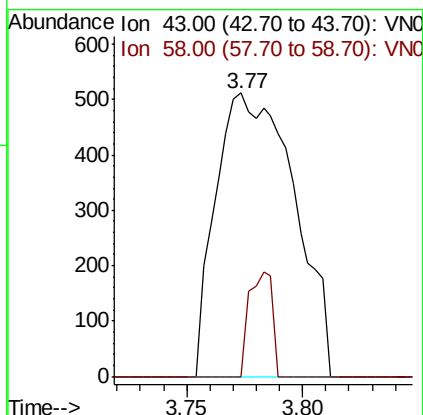
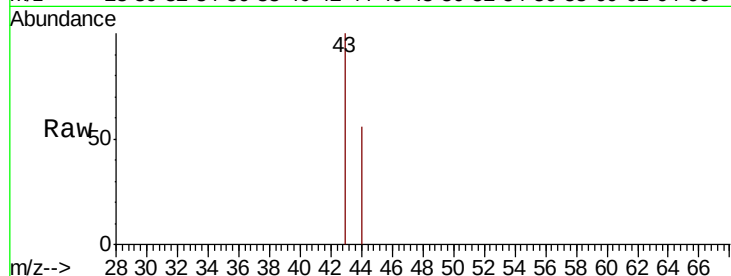
S49-0568

Tot Ion: 43 Resp: 1200

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#



#21

trans-1,2-Dichloroethene

Concen: 9.164 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN061859.D

Acq: 17 Jun 2020 19:27

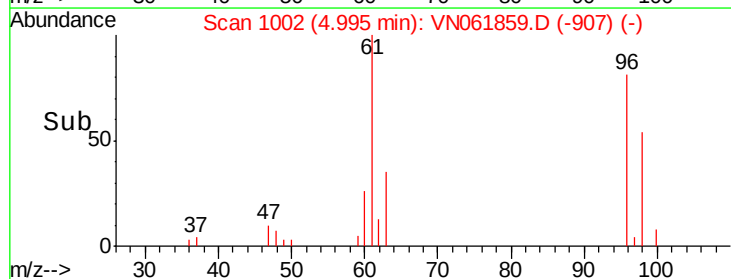
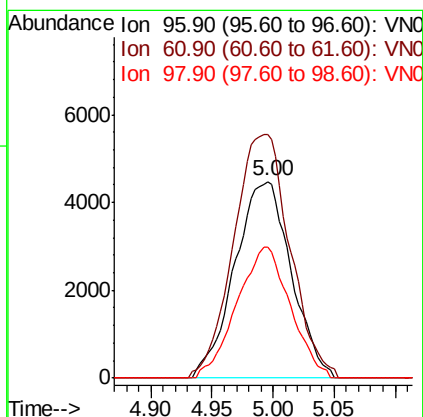
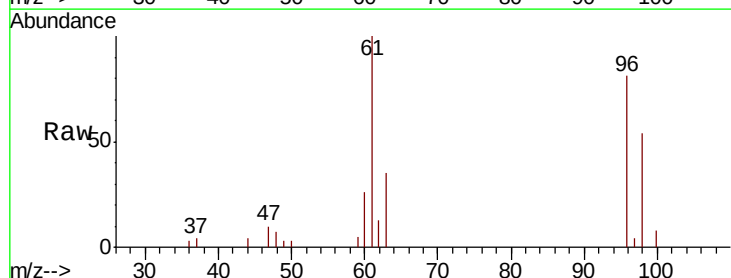
Tgt Ion: 96 Resp: 14376

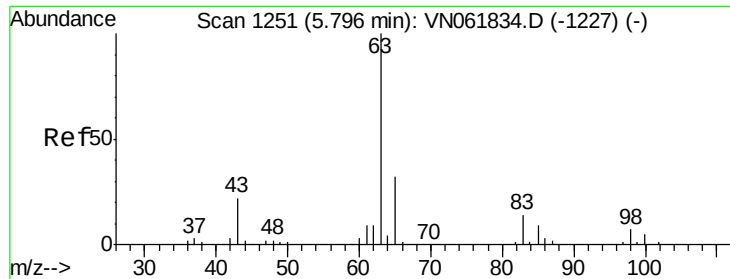
Ion Ratio Lower Upper

96 100

61 123.6 102.2 153.4

98 66.6 51.2 76.8

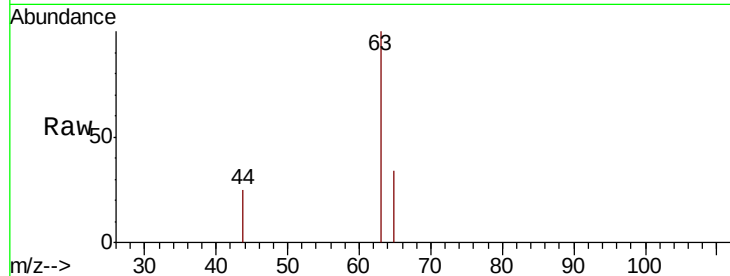




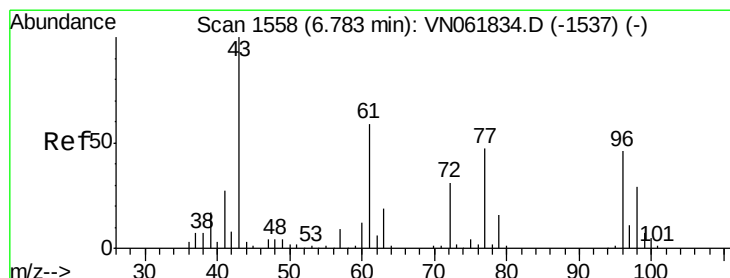
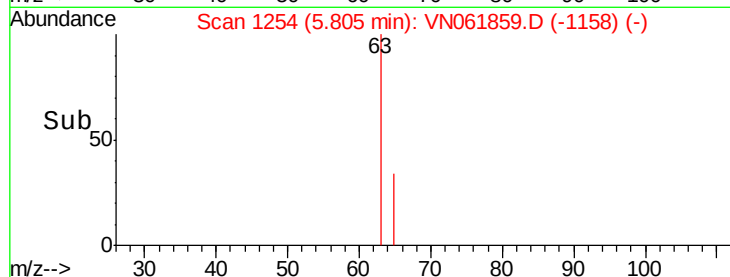
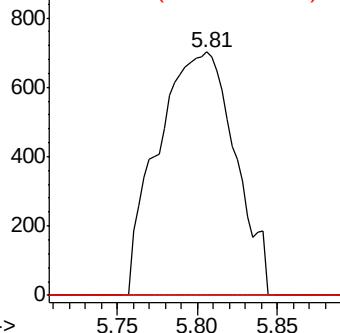
#24
 1,1-Dichloroethane
 Concen: 0.856 ug/l
 RT: 5.81 min Scan# 1254
 Delta R.T. 0.01 min
 Lab File: VN061859.D
 Acq: 17 Jun 2020 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0568

Tot Ion: 63 Resp: 2323
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.4#
 100 0.0 2.5 7.4#

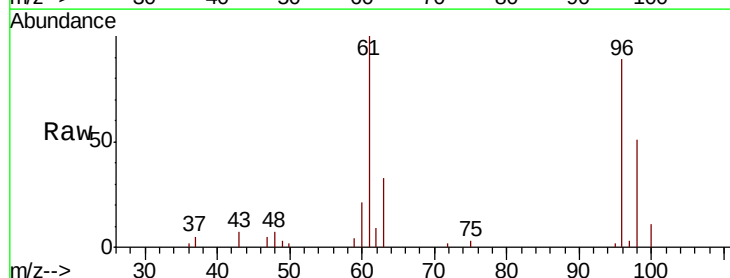


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0
 Ion 99.90 (99.60 to 100.60): VN0

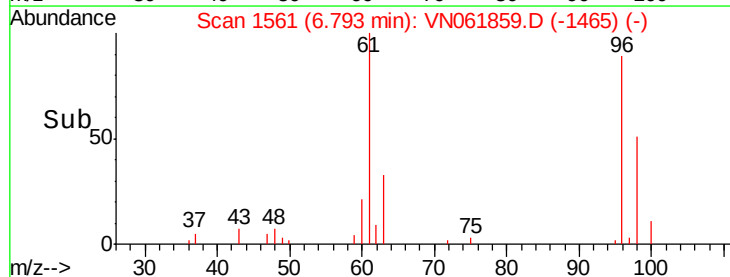
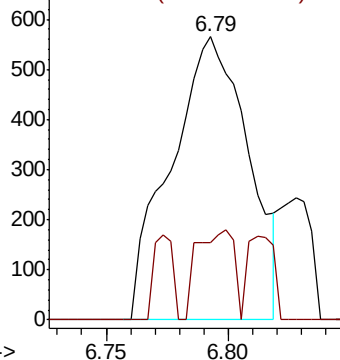


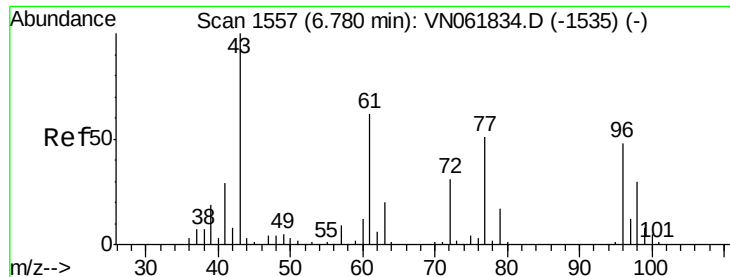
#25
 2-Butanone
 Concen: 1.604 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: VN061859.D
 Acq: 17 Jun 2020 19:27

Tgt Ion: 43 Resp: 1246
 Ion Ratio Lower Upper
 43 100
 72 27.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 12.991 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061859.D

Acq: 17 Jun 2020 19:27

Instrument :

MSVOA_N

ClientSampleId :

S49-0568

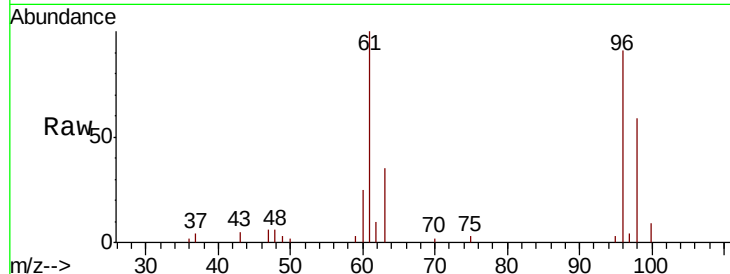
Tot Ion: 96 Resp: 23514

Ion Ratio Lower Upper

96 100

61 113.3 0.0 265.6

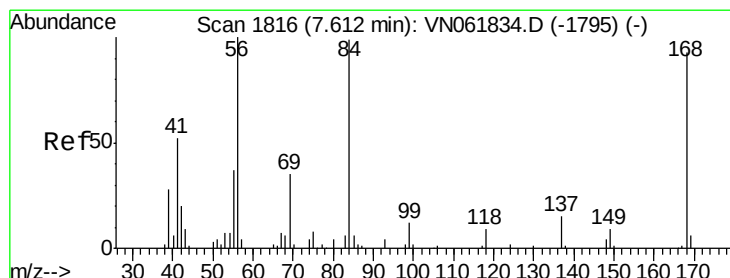
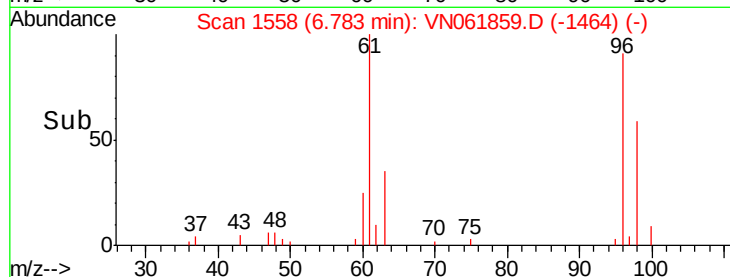
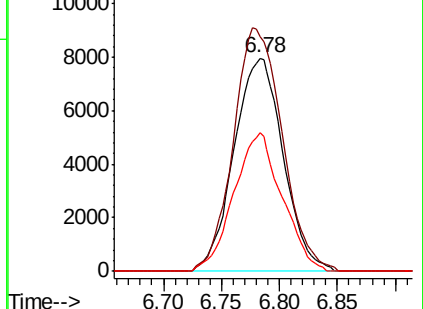
98 63.6 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 1.223 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061859.D

Acq: 17 Jun 2020 19:27

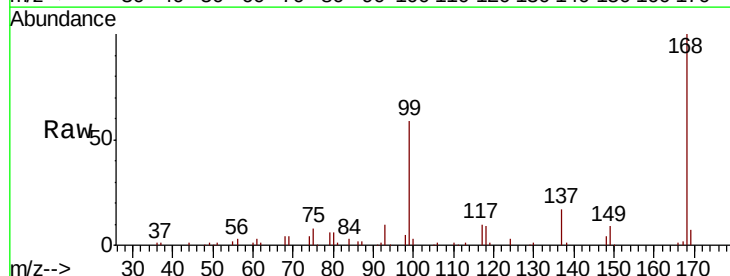
Tgt Ion: 56 Resp: 2905

Ion Ratio Lower Upper

56 100

69 163.6 27.7 41.5#

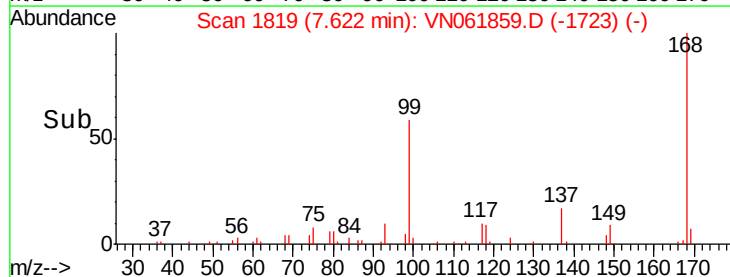
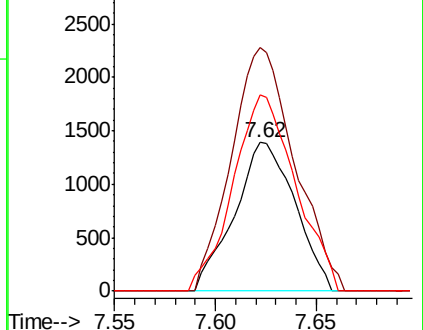
84 131.8 79.1 118.7#

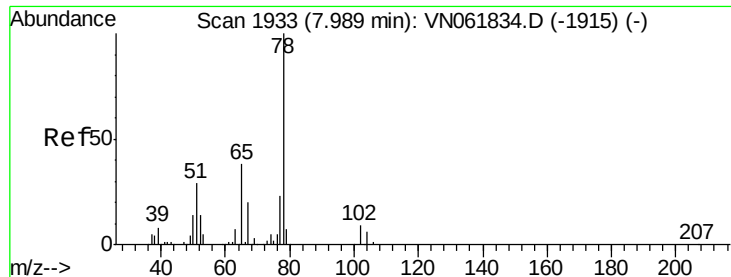


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

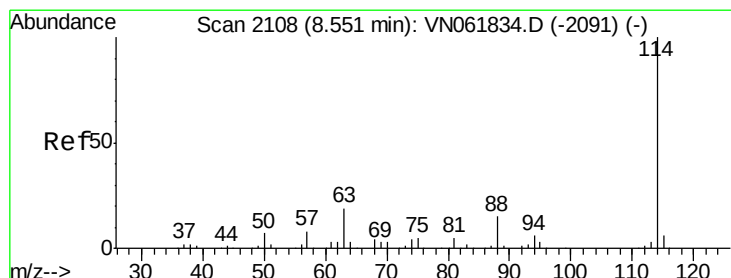
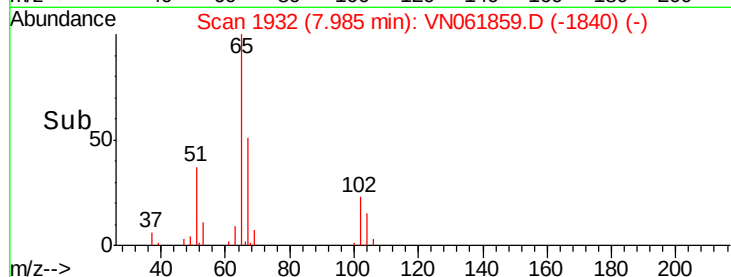
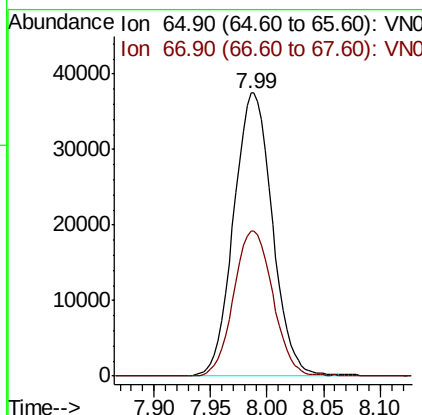
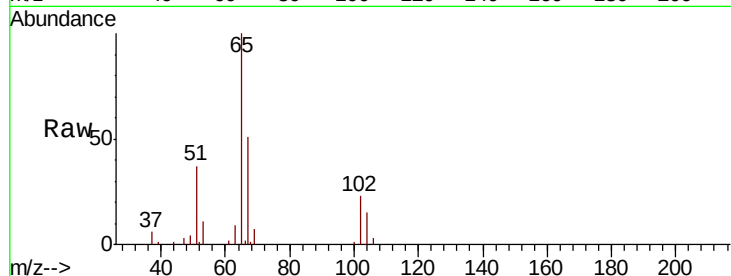




#33
 1,2-Dichloroethane-d4
 Concen: 49.556 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061859.D
 Acq: 17 Jun 2020 19:27

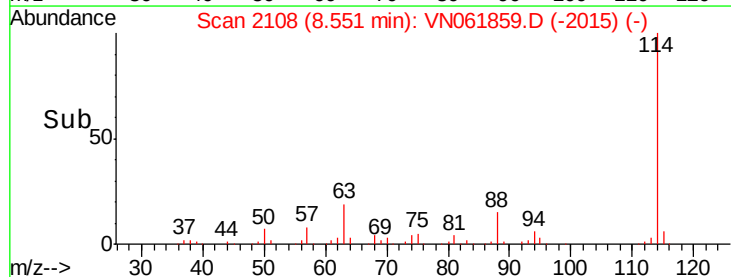
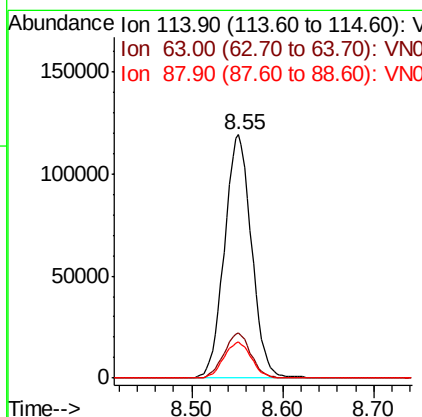
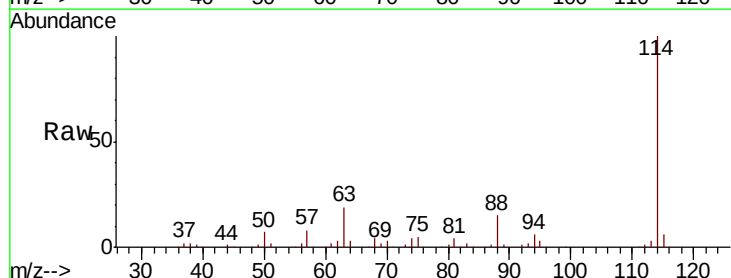
Instrument :
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 S49-0568

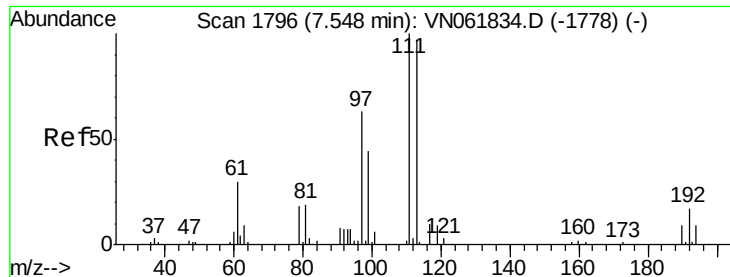
Tot Ion: 65 Resp: 89334
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061859.D
 Acq: 17 Jun 2020 19:27

Tgt Ion: 114 Resp: 246388
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.6
 88 14.7 0.0 31.0

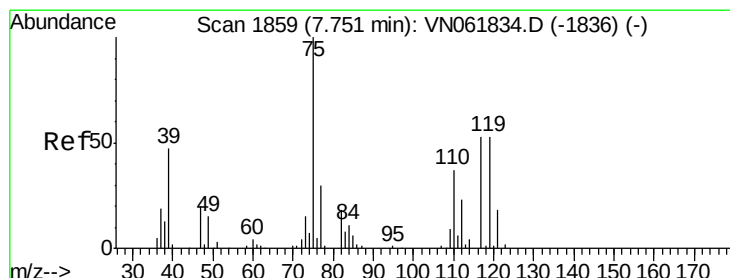
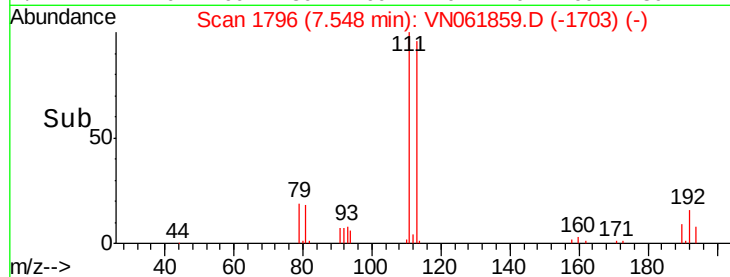
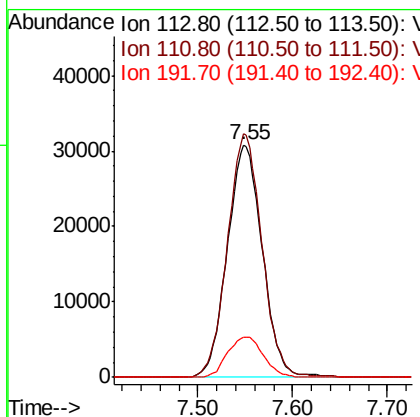
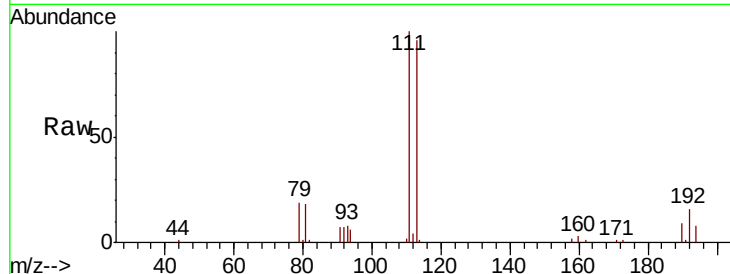




#35
 Dibromofluoromethane
 Concen: 50.226 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061859.D
 Acq: 17 Jun 2020 19:27

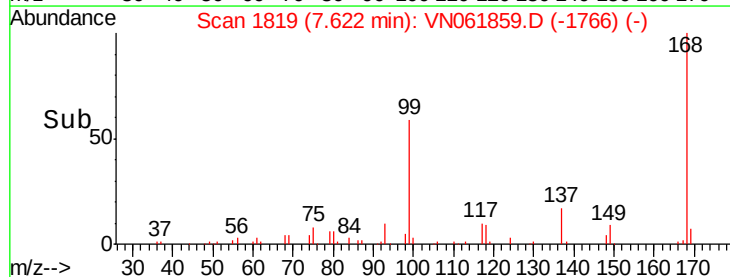
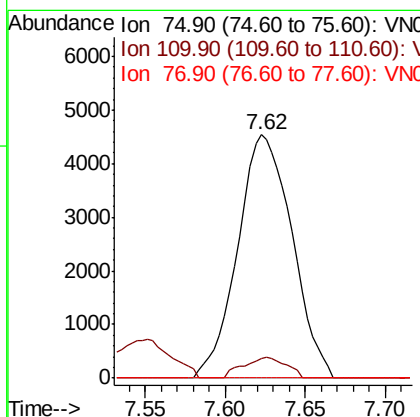
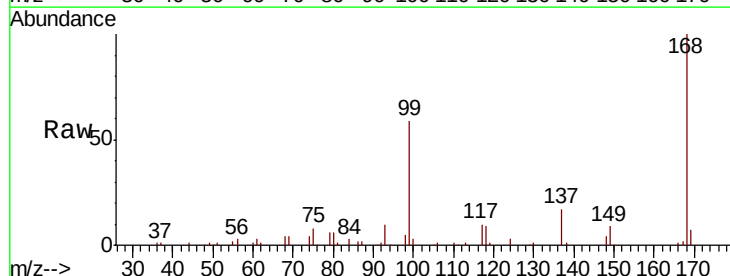
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0568

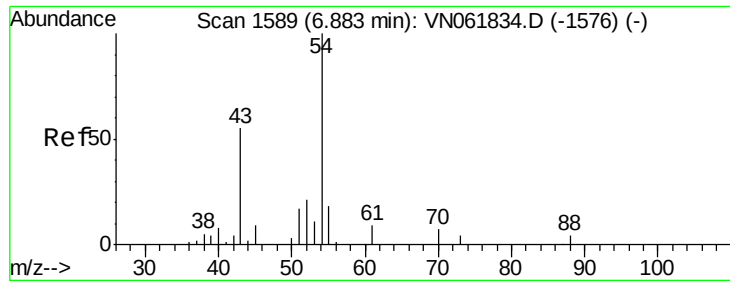
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.7	125.5
192	17.6	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.699 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061859.D
 Acq: 17 Jun 2020 19:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.8	18.2	54.6#
77	0.0	24.2	36.4#

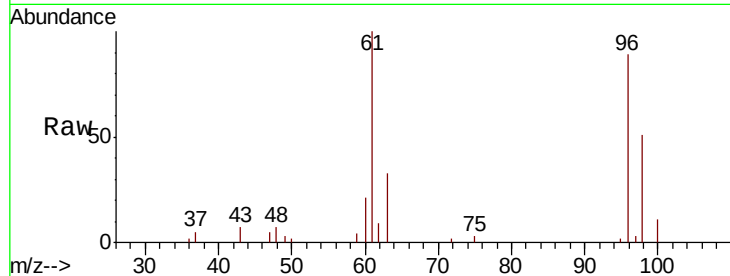




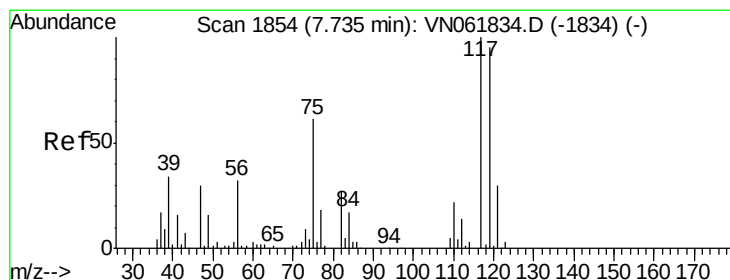
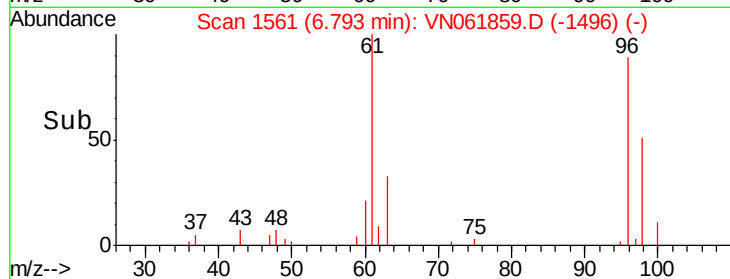
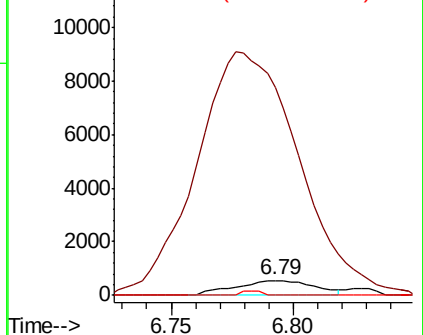
#37
Ethyl Acetate
Concen: 0.710 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.09 min
Lab File: VN061859.D
Acq: 17 Jun 2020 19:27

Instrument :
MSVOA_N
ClientSampleId :
S49-0568

Tot Ion: 43 Resp: 1246
Ion Ratio Lower Upper
43 100
61 2139.1 13.0 19.4#
70 7.2 9.4 14.2#

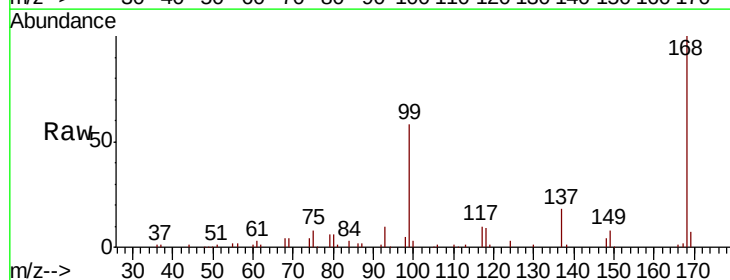


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

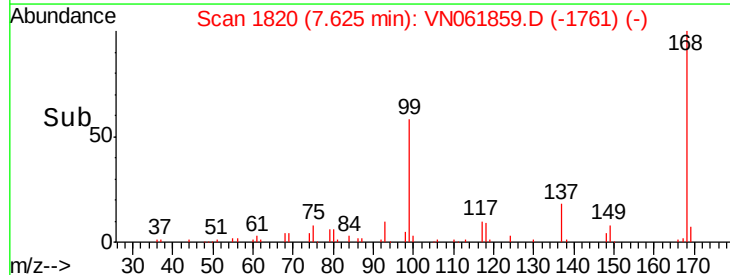
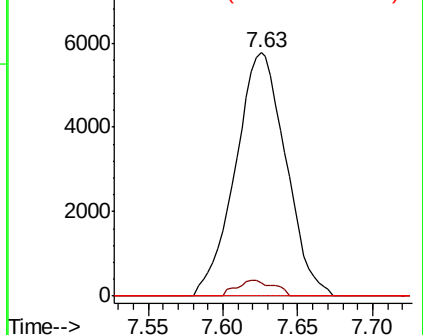


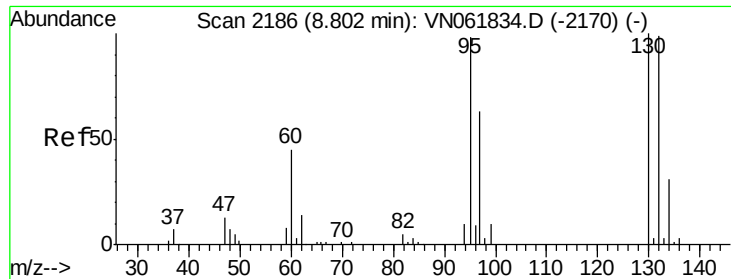
#38
Carbon Tetrachloride
Concen: 6.066 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061859.D
Acq: 17 Jun 2020 19:27

Tgt Ion: 117 Resp: 13500
Ion Ratio Lower Upper
117 100
119 5.7 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





#44

Trichloroethene

Concen: 8.554 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061859.D

Acq: 17 Jun 2020 19:27

Instrument :

MSVOA_N

ClientSampleId :

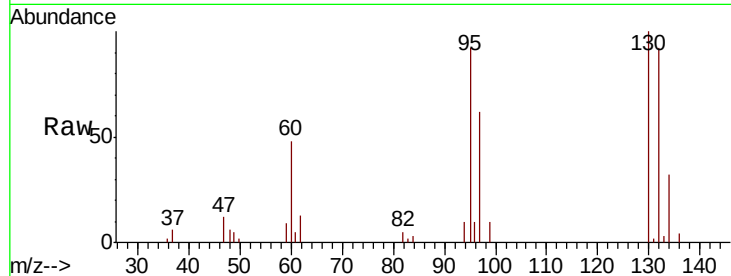
S49-0568

Tot Ion:130 Resp: 15326

Ion Ratio Lower Upper

130 100

95 91.5 0.0 195.6



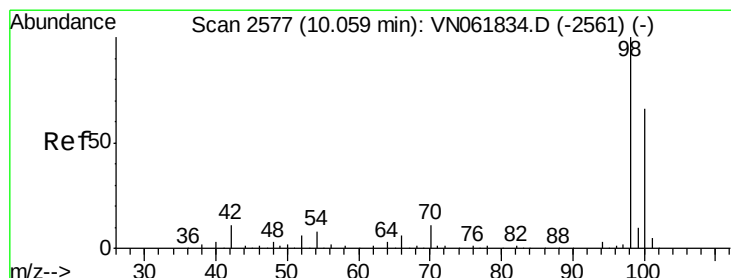
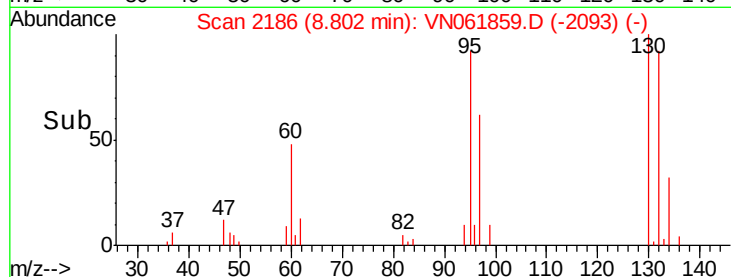
Abundance Ion 129.80 (129.50 to 130.50): VN061834.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN061834.D (-2170) (-)

8.80

8.75 8.80 8.85

Time-->



#50

Toluene-d8

Concen: 48.650 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061859.D

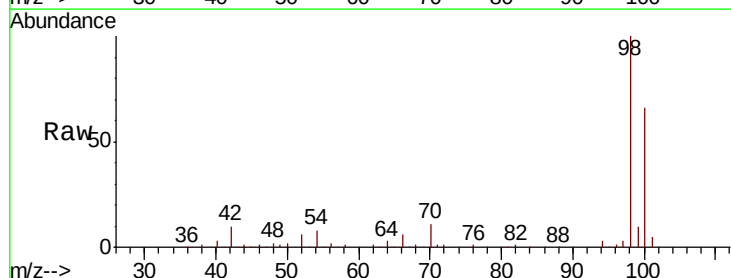
Acq: 17 Jun 2020 19:27

Tgt Ion: 98 Resp: 301482

Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1



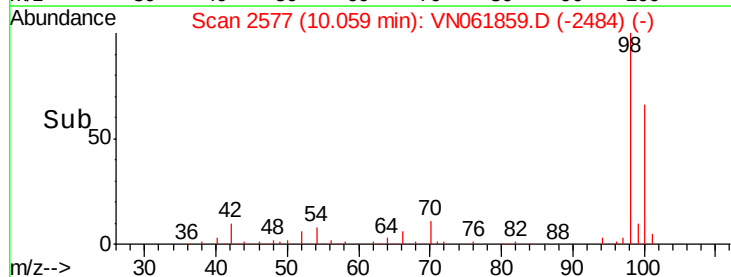
Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

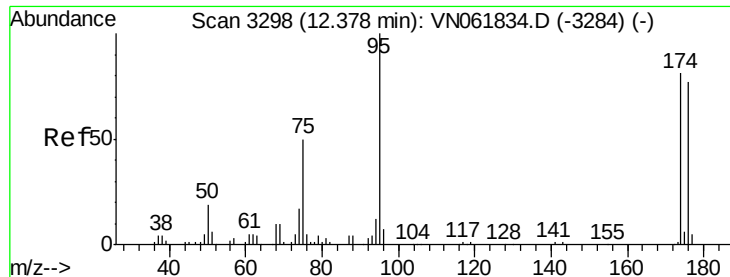
Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)

10.06

10.00 10.06 10.10

Time-->

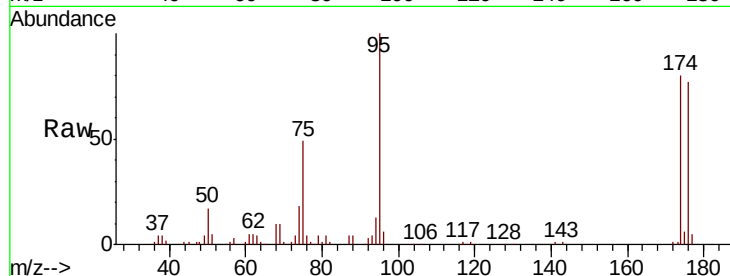




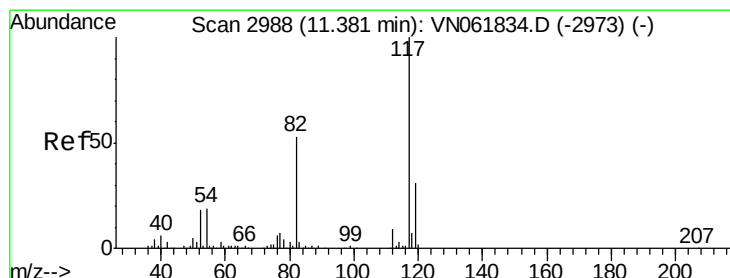
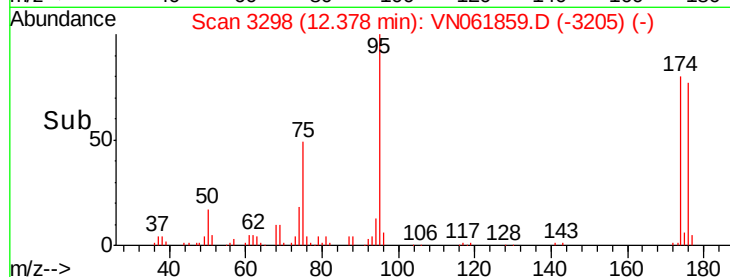
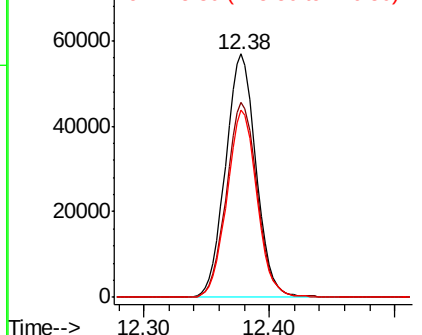
#62
4-Bromofluorobenzene
Concen: 45.196 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061859.D
Acq: 17 Jun 2020 19:27

Instrument :
MSVOA_N
ClientSampleId :
S49-0568

Tot Ion: 95 Resp: 96071
Ion Ratio Lower Upper
95 100
174 80.5 0.0 158.6
176 75.5 0.0 152.0

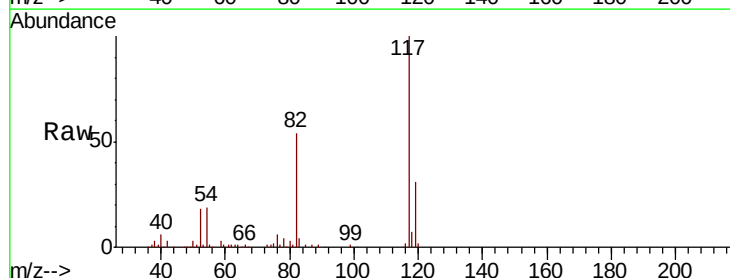


Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)
Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)
Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)

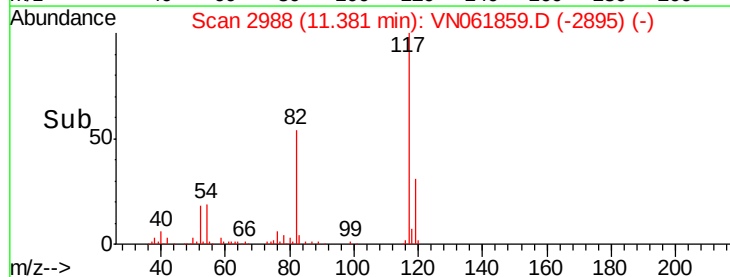
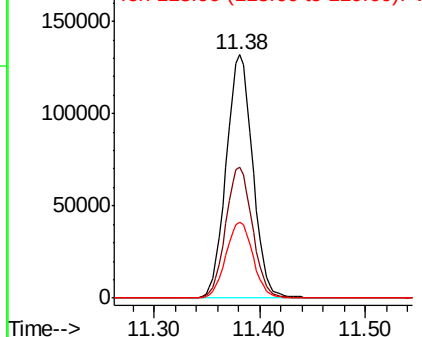


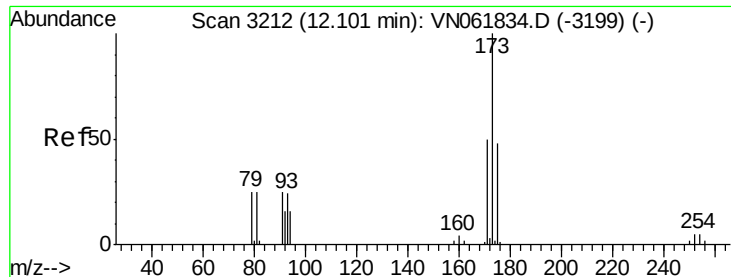
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061859.D
Acq: 17 Jun 2020 19:27

Tgt Ion: 117 Resp: 229506
Ion Ratio Lower Upper
117 100
82 53.6 42.6 64.0
119 31.4 24.7 37.1



Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)
Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)
Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)





#71

Bromoform

Concen: 0.395 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061859.D

Acq: 17 Jun 2020 19:27

Instrument :

MSVOA_N

ClientSampleId :

S49-0568

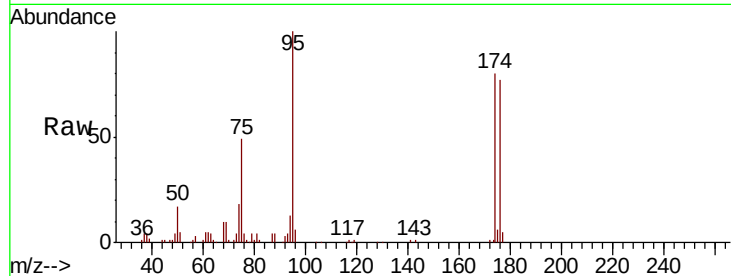
Tot Ion:173 Resp: 487

Ion Ratio Lower Upper

173 100

175 988.1 23.9 71.7#

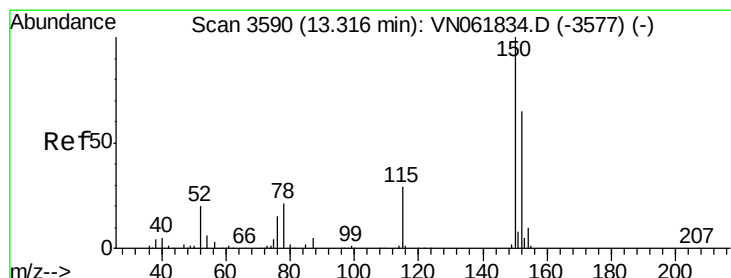
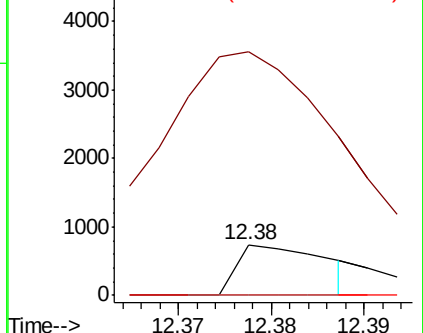
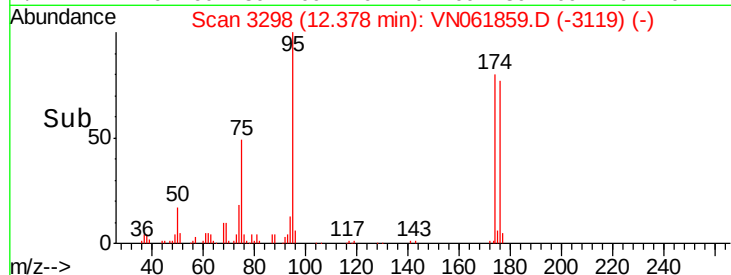
254 0.0 0.0 0.0



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: VN061859.D

Acq: 17 Jun 2020 19:27

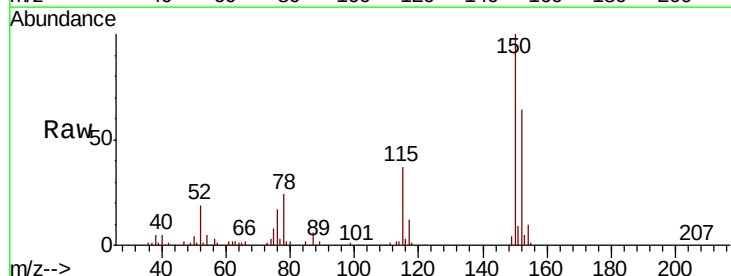
Tgt Ion:152 Resp: 85349

Ion Ratio Lower Upper

152 100

115 58.0 29.1 87.3

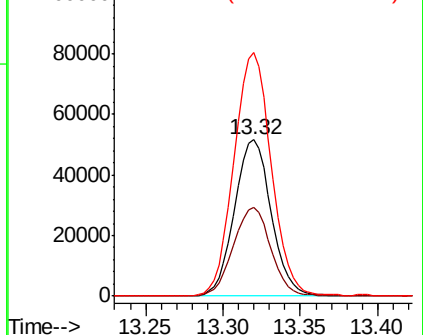
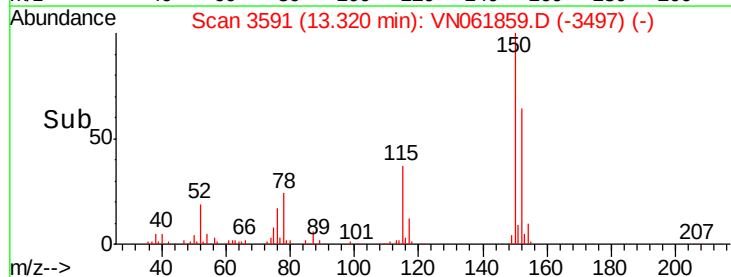
150 158.1 0.0 347.6

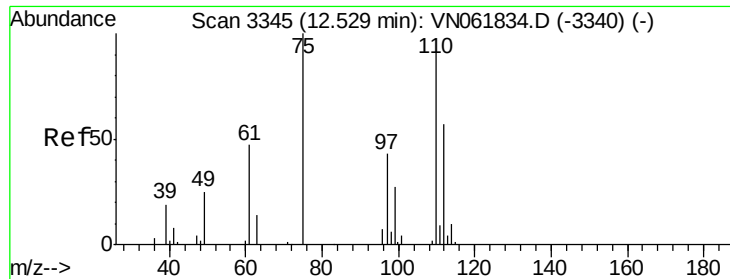


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.001 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061859.D

Acq: 17 Jun 2020 19:27

Instrument :

MSVOA_N

ClientSampled :

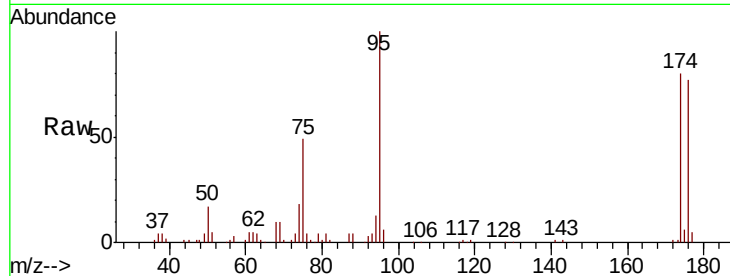
S49-0568

Tot Ion: 75 Resp: 48594

Ion Ratio Lower Upper

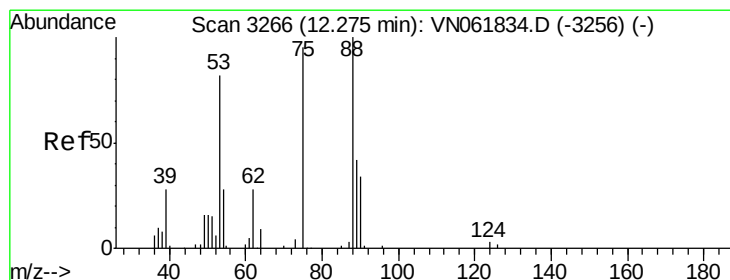
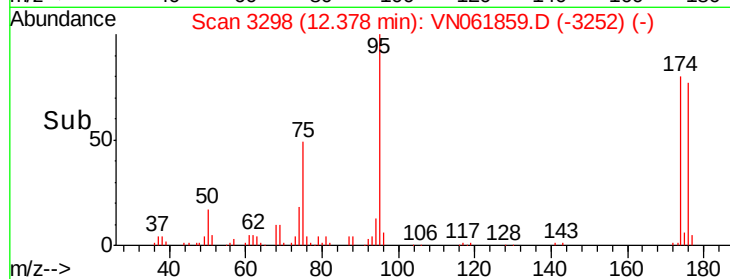
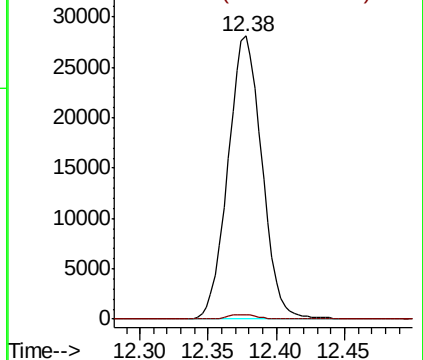
75 100

77 1.3 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: 79.097 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061859.D

Acq: 17 Jun 2020 19:27

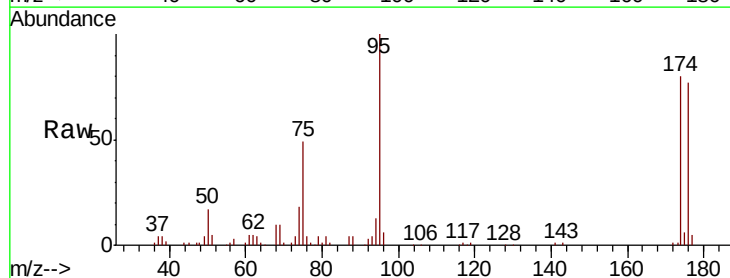
Tgt Ion: 75 Resp: 48594

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#



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

