

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062202.D
 Acq On : 29 Jun 2020 20:56
 Operator : JC/MD
 Sample : L3127-02DL 200X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 36BR-20200625DL

Quant Time: Jun 30 04:29:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	203828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	380609	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	370722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	133318	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	149456	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
35) Dibromofluoromethane	7.55	113	125147	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
50) Toluene-d8	10.06	98	486222	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.38	95	154442	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	

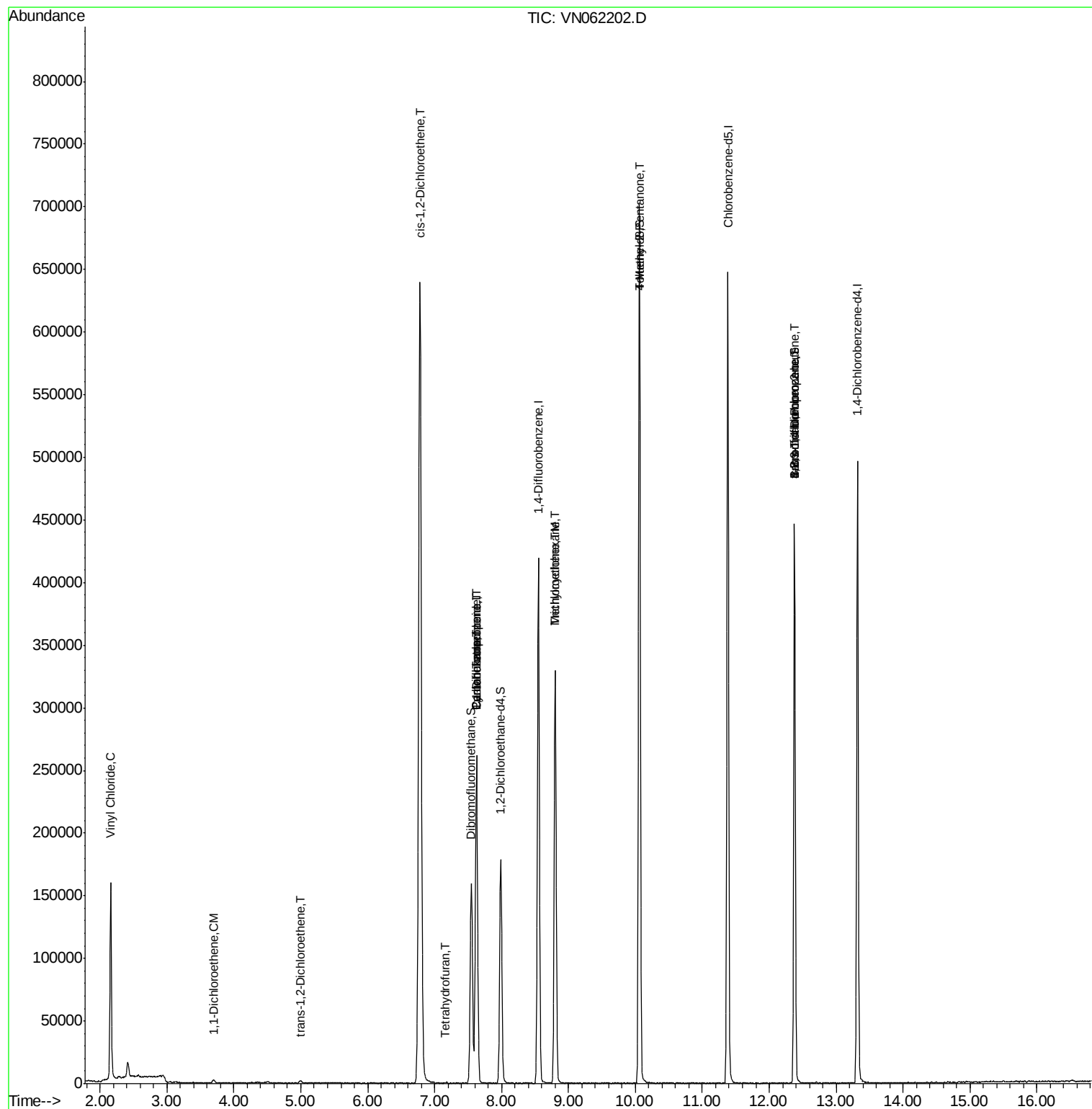
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	161	Below Cal	#	41
4) Vinyl Chloride	2.16	62	140296	38.668	ug/l	100
12) 1,1-Dichloroethene	3.70	96	1530	0.654	ug/l	84
16) Acetone	3.79	43	299	Below Cal	#	40
20) Methylene Chloride	4.51	84	374	Below Cal	#	35
21) trans-1,2-Dichloroethene	4.99	96	1362	0.511	ug/l	91
27) cis-1,2-Dichloroethene	6.78	96	441611	147.194	ug/l	90
29) Tetrahydrofuran	7.16	42	289	0.316	ug/l #	78
31) Cyclohexane	7.62	56	4874	1.233	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	17064	4.460	ug/l #	46
38) Carbon Tetrachloride	7.62	117	20807	5.769	ug/l #	15
39) Methylcyclohexane	8.81	83	1510	0.360	ug/l #	1
44) Trichloroethene	8.80	130	121926	41.452	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	1992	0.660	ug/l #	1
71) Bromoform	12.38	173	1592	0.795	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	80237	25.566	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	80237	74.663	ug/l #	13

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062202.D

Acq: 29 Jun 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

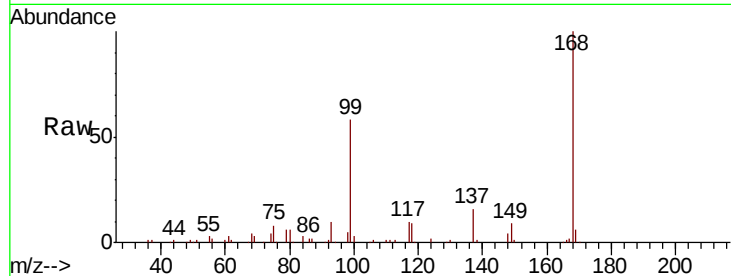
36BR-20200625DL

Tot Ion:168 Resp: 203828

Ion Ratio Lower Upper

168 100

99 58.1 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

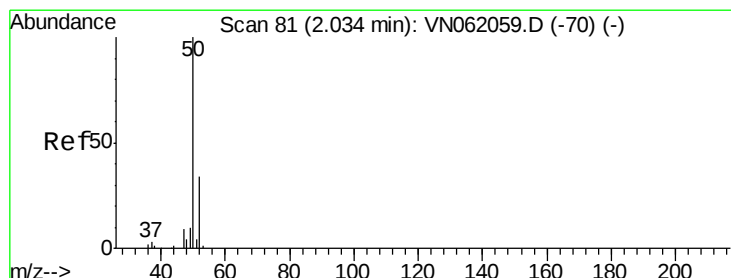
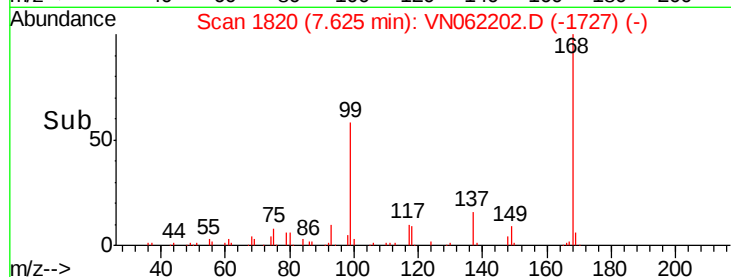
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062202.D

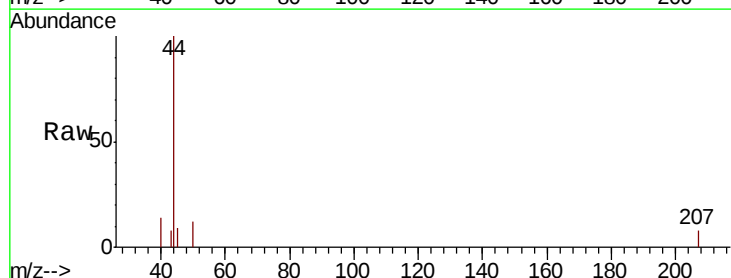
Acq: 29 Jun 2020 20:56

Tgt Ion: 50 Resp: 161

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

250

200

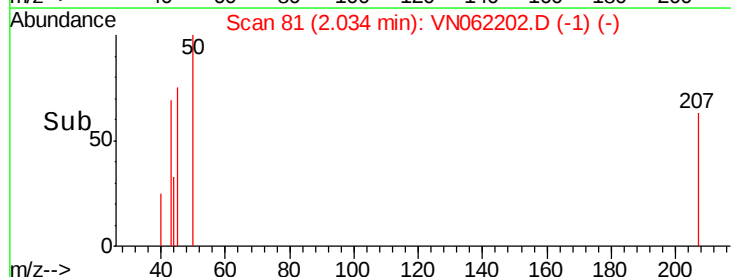
150

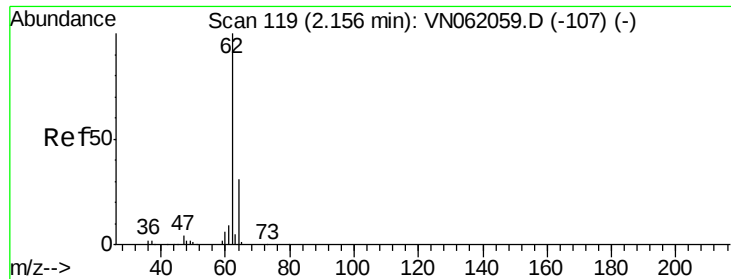
100

50

0

Time--> 2.01 2.02 2.03 2.04 2.05





#4

Vinyl Chloride

Concen: 38.668 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062202.D

Acq: 29 Jun 2020 20:56

Instrument :

MSVOA_N

ClientSampleID :

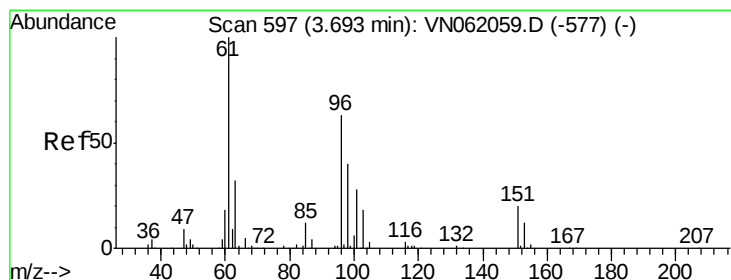
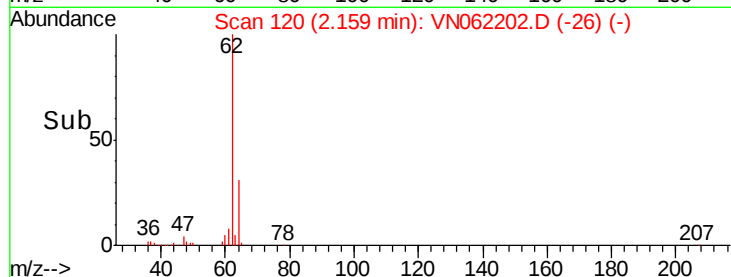
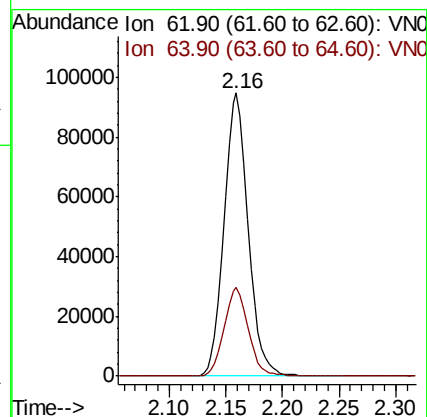
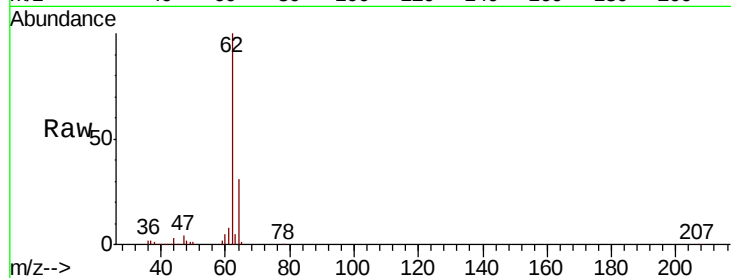
36BR-20200625DL

Tot Ion: 62 Resp: 140296

Ion Ratio Lower Upper

62 100

64 31.2 25.1 37.7



#12

1,1-Dichloroethene

Concen: 0.654 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN062202.D

Acq: 29 Jun 2020 20:56

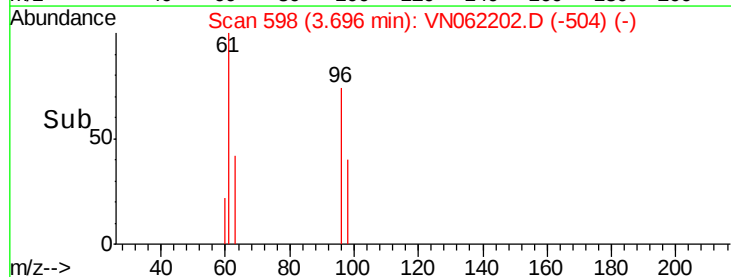
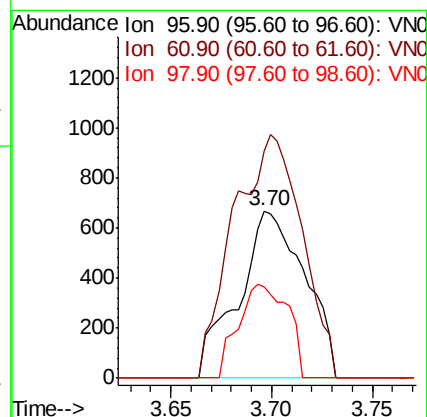
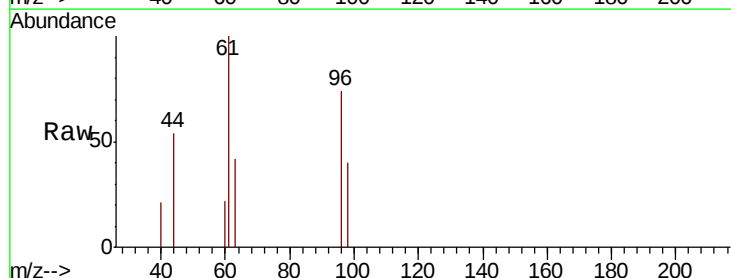
Tgt Ion: 96 Resp: 1530

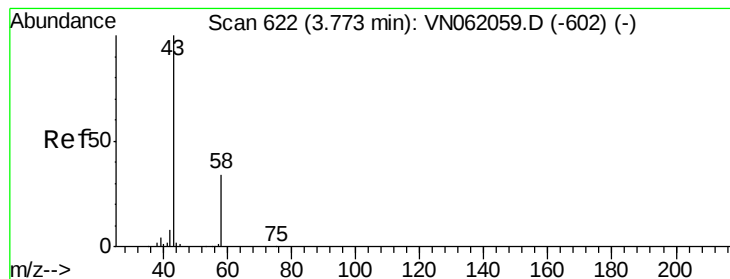
Ion Ratio Lower Upper

96 100

61 135.4 126.7 190.1

98 54.6 51.0 76.4





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.02 min

Lab File: VN062202.D

Acq: 29 Jun 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

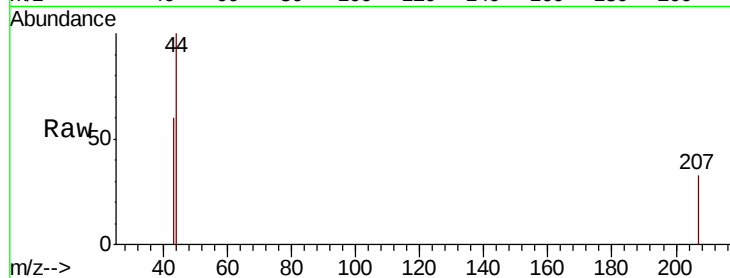
36BR-20200625DL

Tot Ion: 43 Resp: 299

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

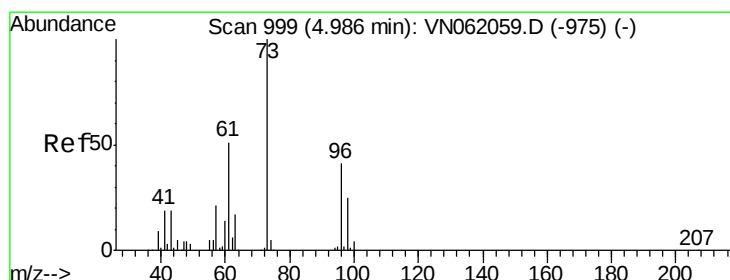
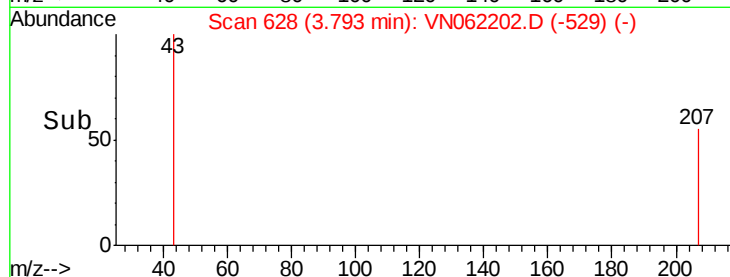
300

200

100

0

Time--> 3.76 3.78 3.80



#21

trans-1,2-Dichloroethene

Concen: 0.511 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN062202.D

Acq: 29 Jun 2020 20:56

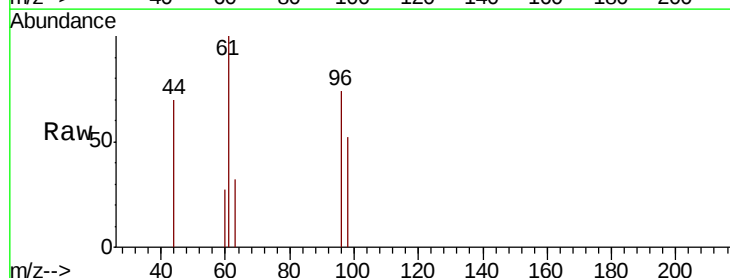
Tgt Ion: 96 Resp: 1362

Ion Ratio Lower Upper

96 100

61 135.3 101.4 152.2

98 70.0 49.3 73.9



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

800

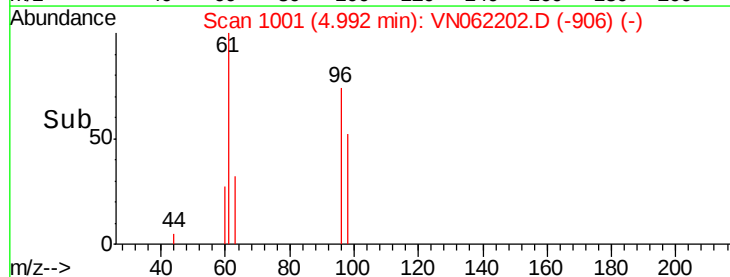
600

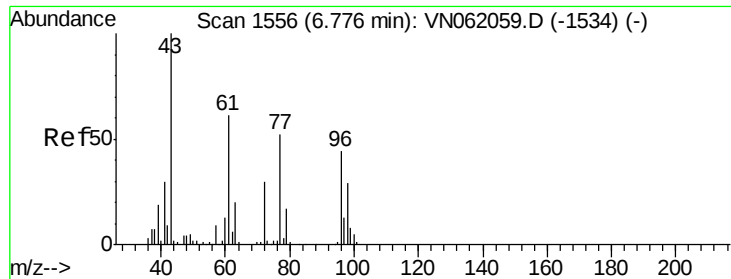
400

200

0

Time--> 4.95 5.00 5.05

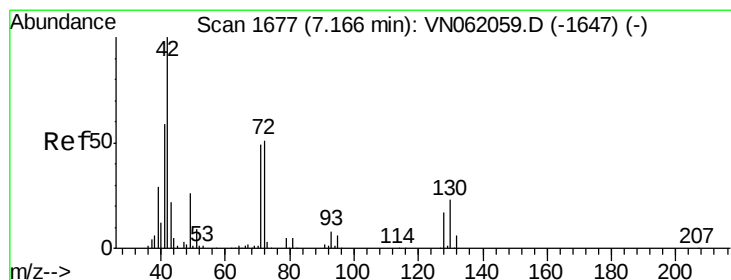
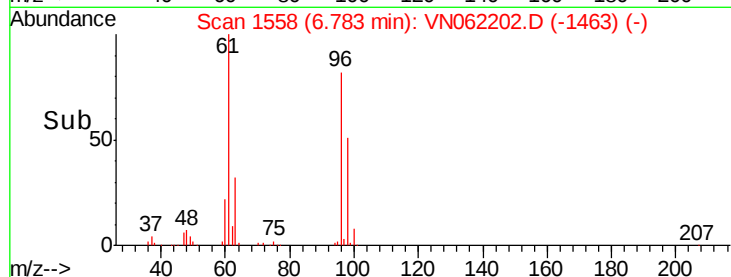
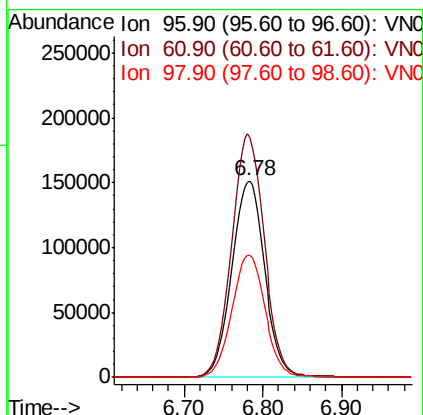
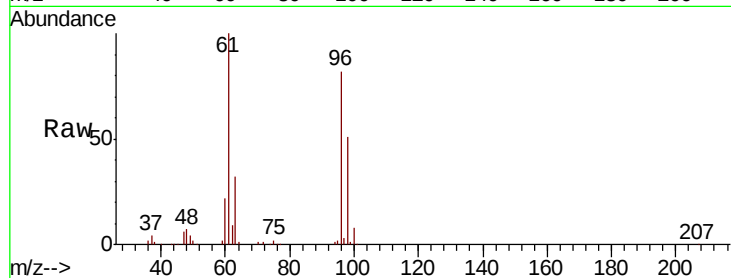




#27
 cis-1,2-Dichloroethene
 Concen: 147.194 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: VN062202.D
 Acq: 29 Jun 2020 20:56

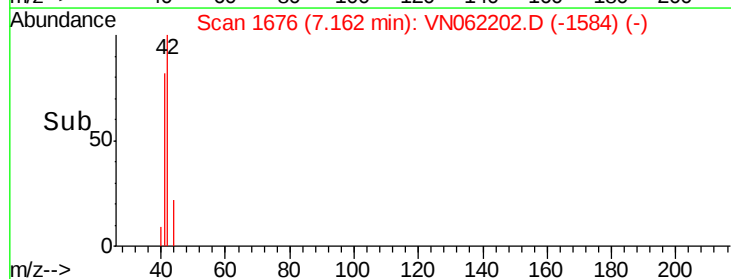
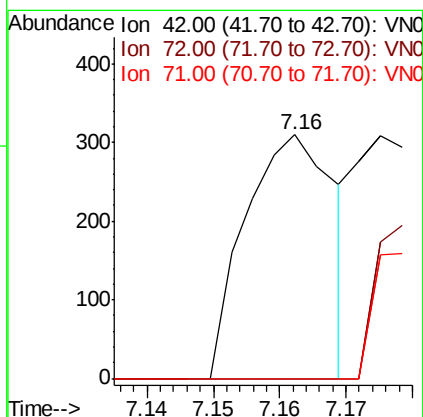
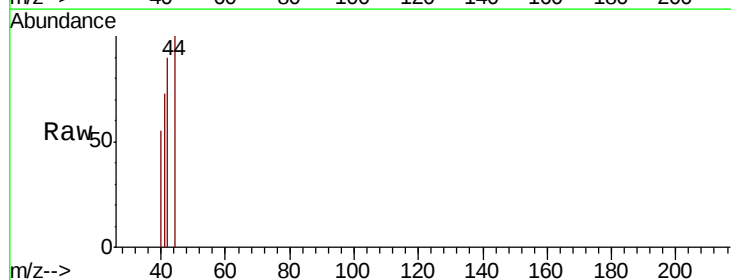
Instrument :
 MSVOA_N
 ClientSampleId :
 36BR-20200625DL

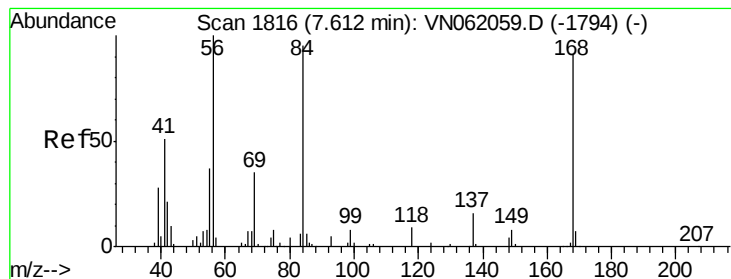
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.1	0.0	280.4
98	63.2	0.0	129.4



#29
 Tetrahydrofuran
 Concen: 0.316 ug/l
 RT: 7.16 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VN062202.D
 Acq: 29 Jun 2020 20:56

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.4	41.1	61.7
71	21.1	38.2	57.4#





#31

Cyclohexane

Concen: 1.233 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062202.D

Acq: 29 Jun 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

36BR-20200625DL

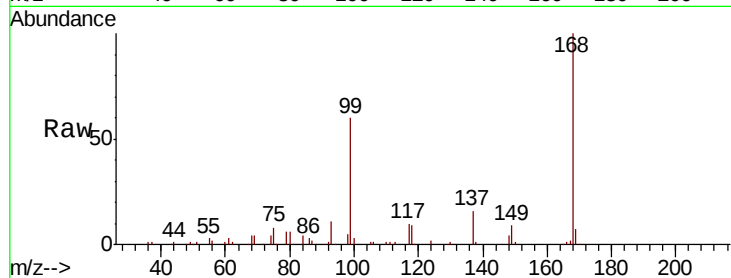
Tot Ion: 56 Resp: 4874

Ion Ratio Lower Upper

56 100

69 162.3 28.0 42.0#

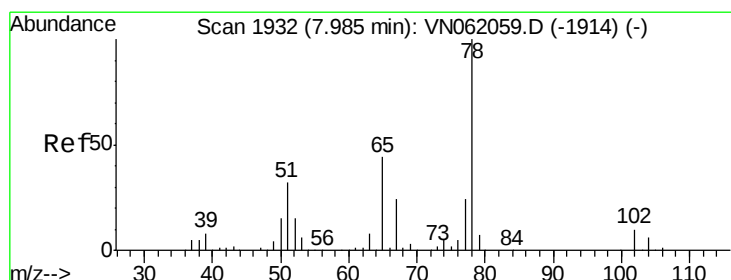
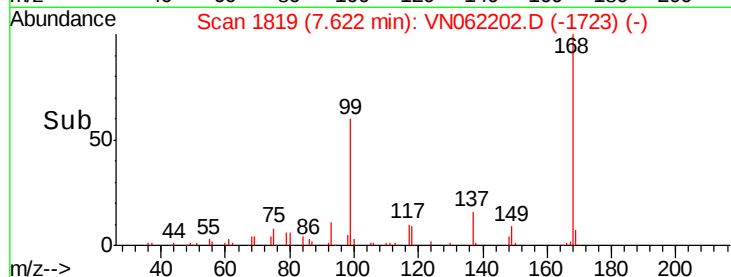
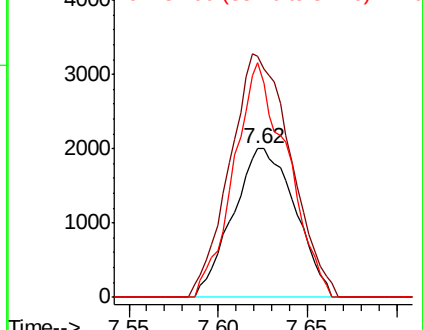
84 158.4 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062202.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062202.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062202.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.250 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062202.D

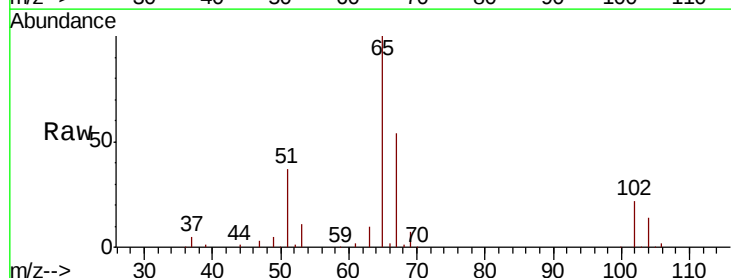
Acq: 29 Jun 2020 20:56

Tgt Ion: 65 Resp: 149456

Ion Ratio Lower Upper

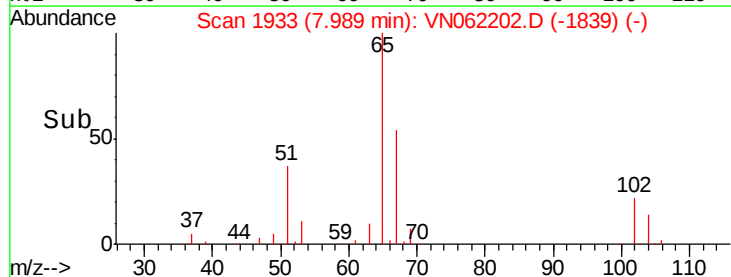
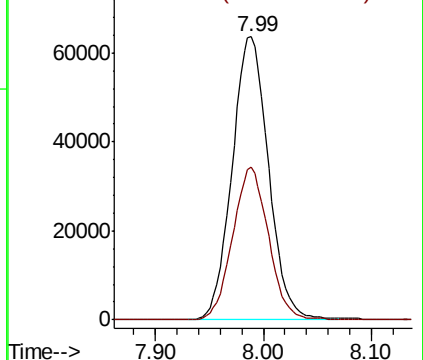
65 100

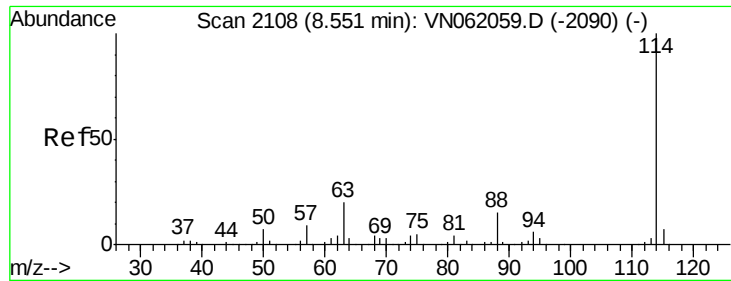
67 53.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062202.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062202.D (-1839) (-)

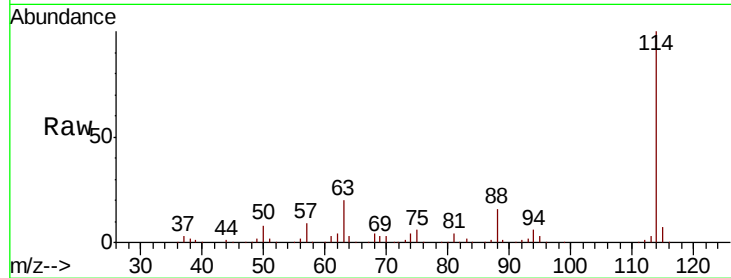




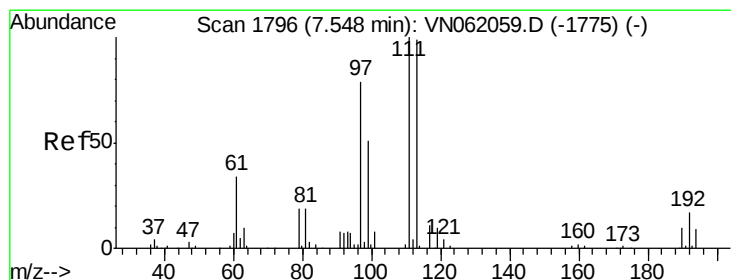
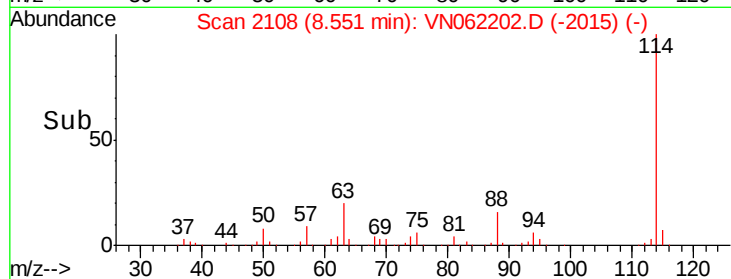
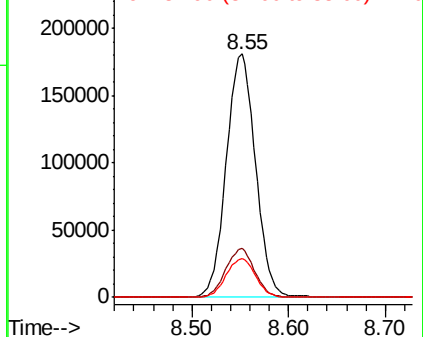
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062202.D
 Acq: 29 Jun 2020 20:56

Instrument :
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 36BR-20200625DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.2
88	15.7	0.0	30.8

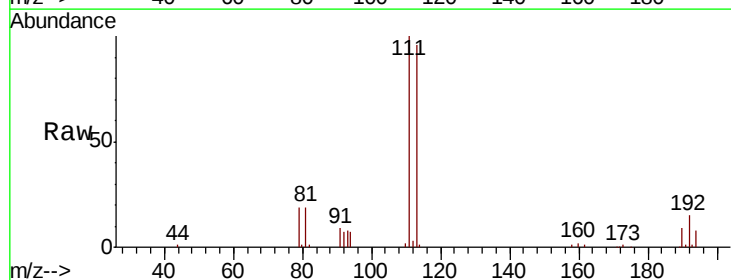


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

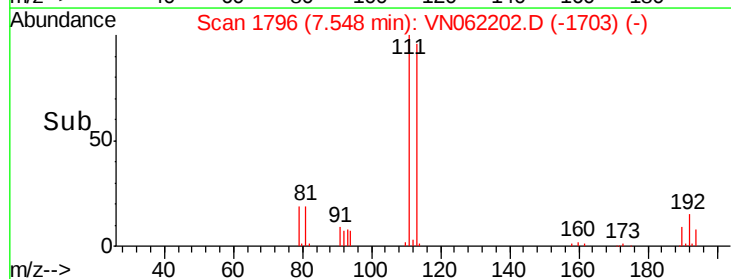
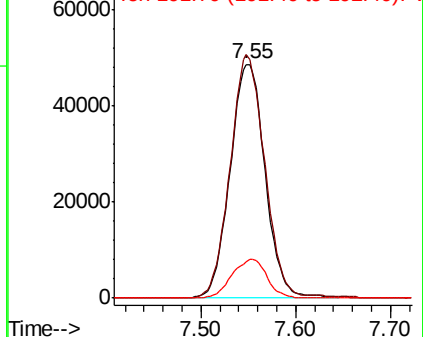


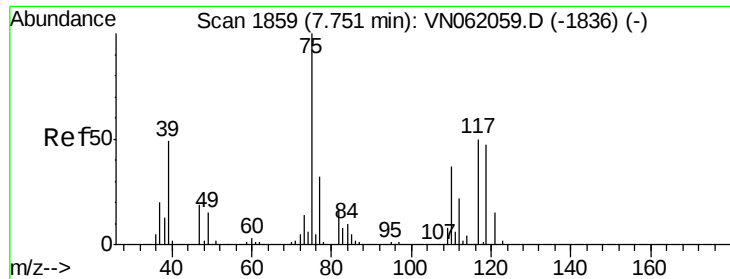
#35
 Dibromofluoromethane
 Concen: 51.252 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062202.D
 Acq: 29 Jun 2020 20:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.4
192	16.5	14.0	21.0



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

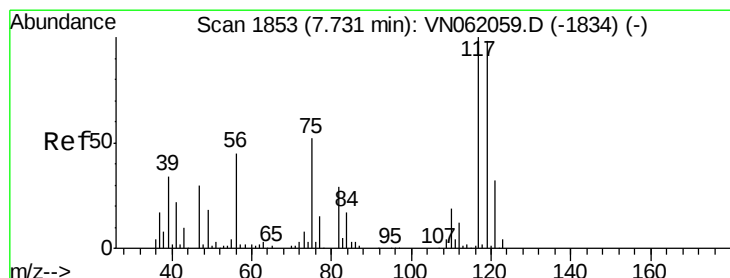
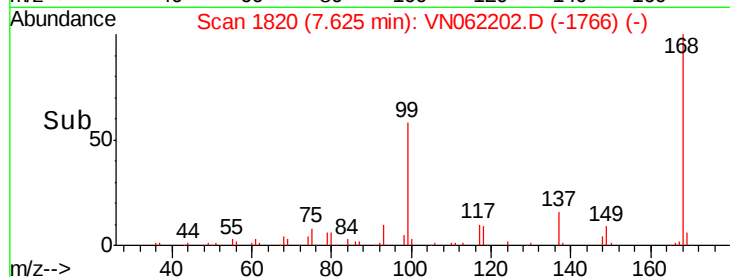
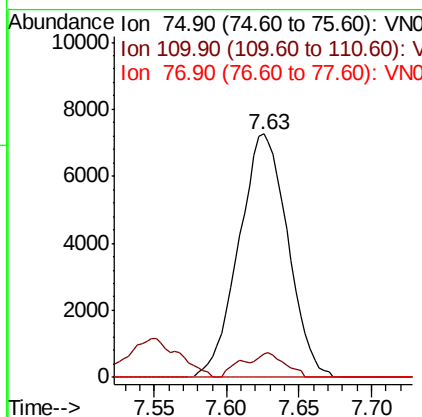
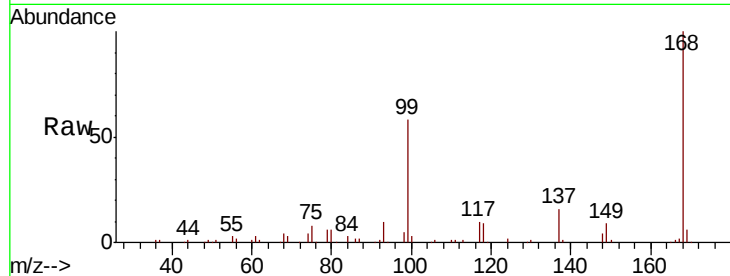




#36
 1,1-Dichloropropene
 Concen: 4.460 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062202.D
 Acq: 29 Jun 2020 20:56

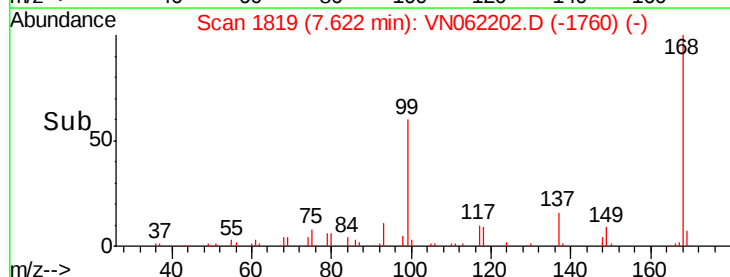
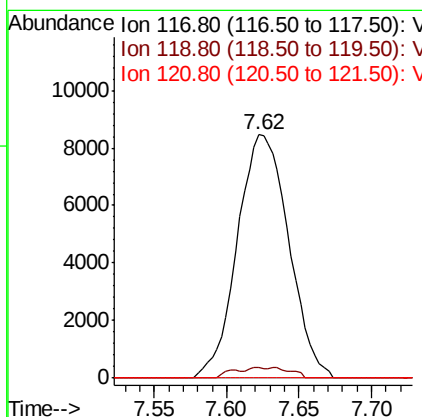
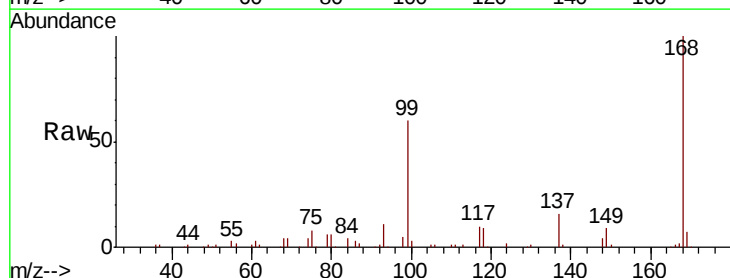
Instrument :
 MSVOA_N
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 36BR-20200625DL

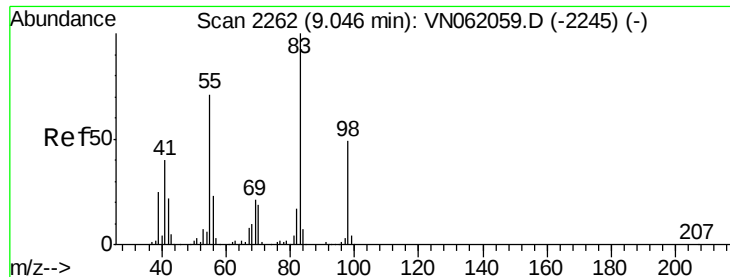
Tot Ion: 75 Resp: 17064
 Ion Ratio Lower Upper
 75 100
 110 5.9 17.9 53.8#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.769 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062202.D
 Acq: 29 Jun 2020 20:56

Tgt Ion: 117 Resp: 20807
 Ion Ratio Lower Upper
 117 100
 119 4.5 78.2 117.2#
 121 0.0 25.8 38.6#

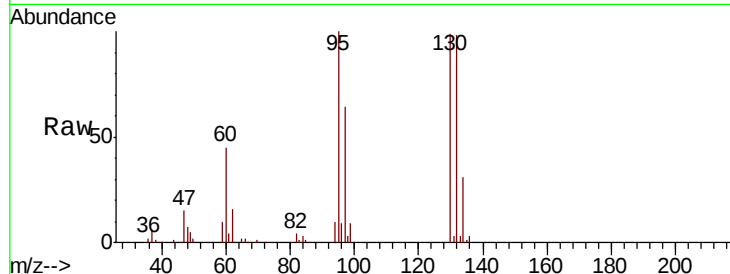




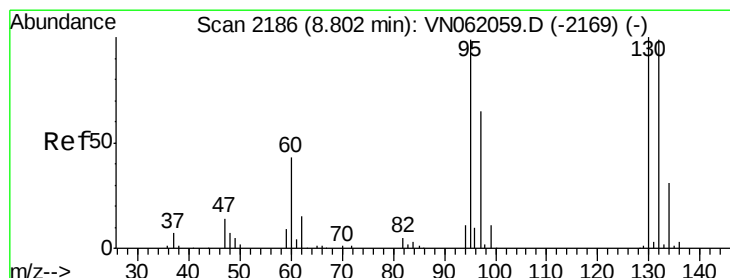
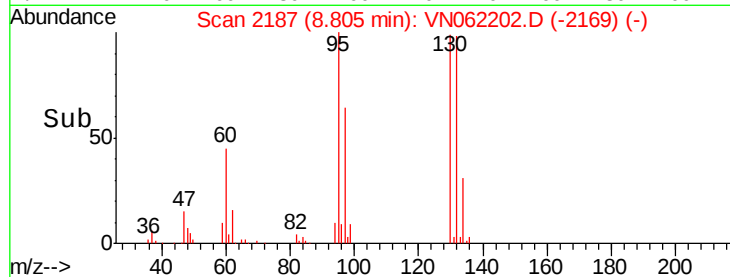
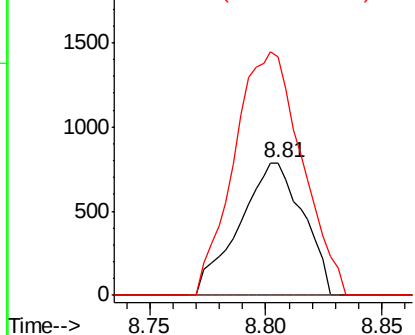
#39
Methylcyclohexane
Concen: 0.360 ug/l
RT: 8.81 min Scan# 2187
Delta R.T. -0.24 min
Lab File: VN062202.D
Acq: 29 Jun 2020 20:56

Instrument :
MSVOA_N
ClientSampleId :
36BR-20200625DL

Tot Ion: 83 Resp: 1510
Ion Ratio Lower Upper
83 100
55 0.0 57.0 85.6#
98 179.8 39.0 58.6#

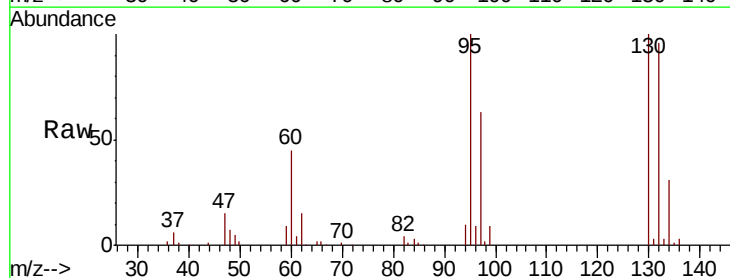


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

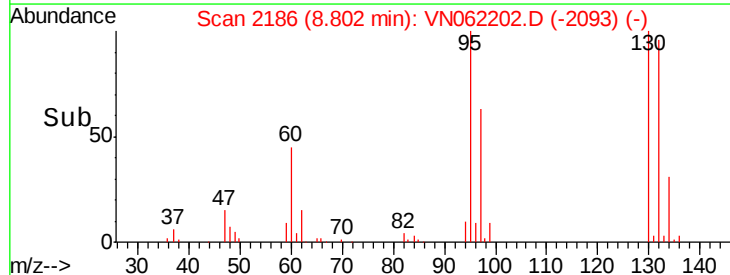
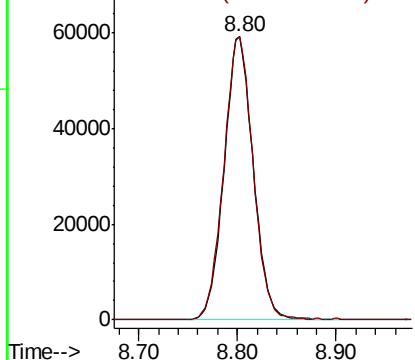


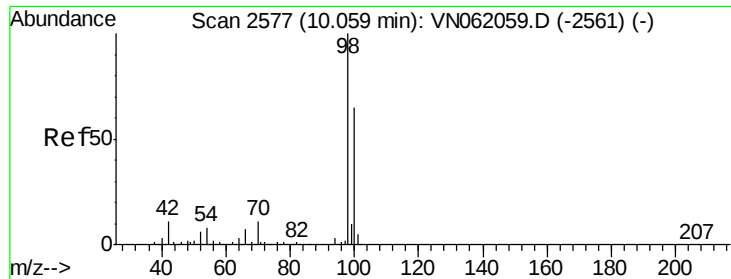
#44
Trichloroethene
Concen: 41.452 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062202.D
Acq: 29 Jun 2020 20:56

Tgt Ion:130 Resp: 121926
Ion Ratio Lower Upper
130 100
95 100.0 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 49.815 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062202.D

Acq: 29 Jun 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

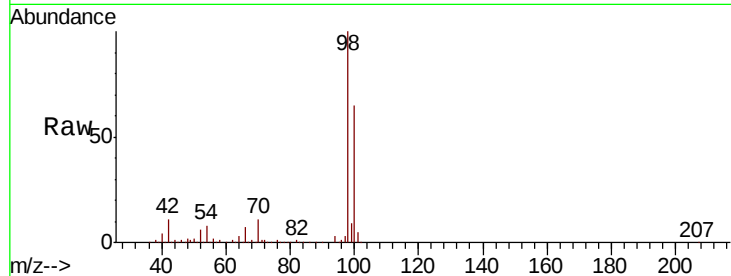
36BR-20200625DL

Tot Ion: 98 Resp: 486222

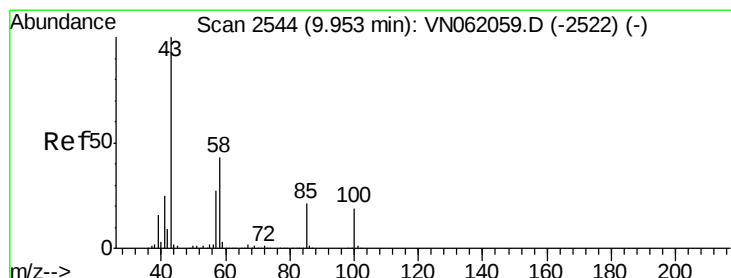
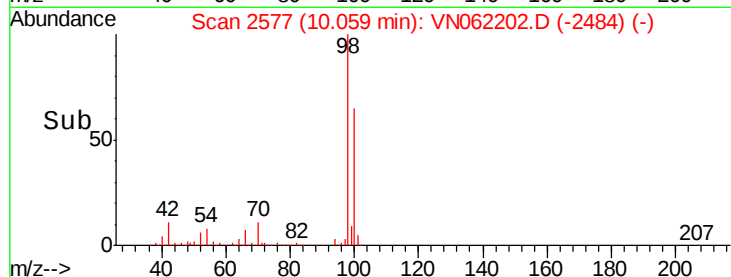
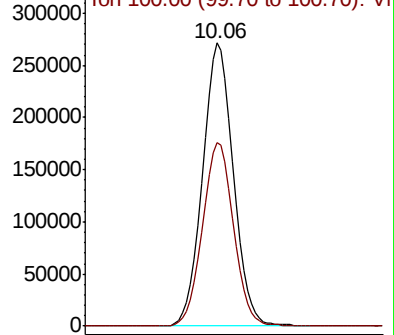
Ion Ratio Lower Upper

98 100

100 65.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062202.D (-2484) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.660 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN062202.D

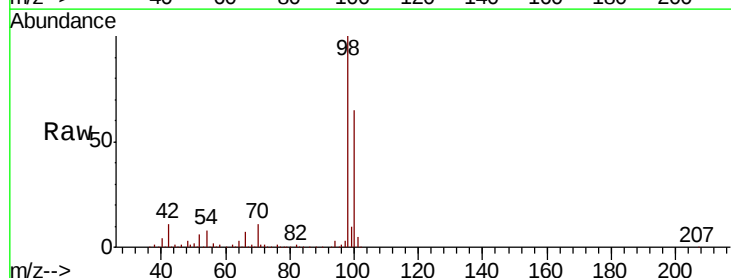
Acq: 29 Jun 2020 20:56

Tgt Ion: 43 Resp: 1992

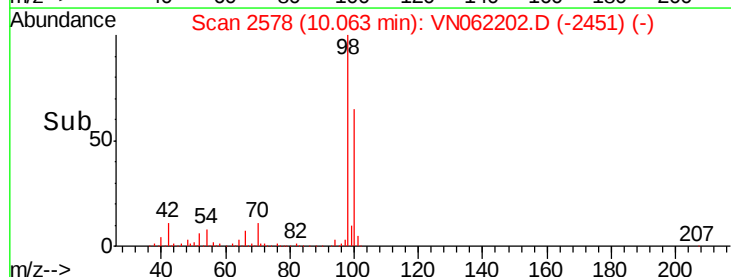
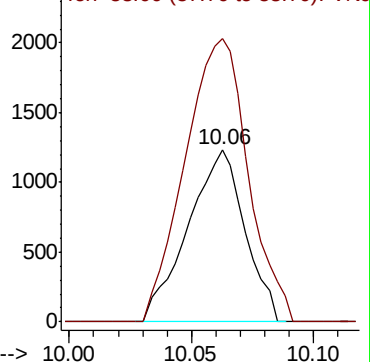
Ion Ratio Lower Upper

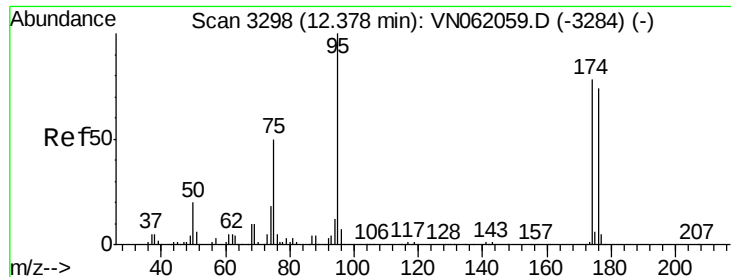
43 100

58 183.3 34.2 51.2#



Abundance Ion 43.00 (42.70 to 43.70): VN062202.D (-2451) (-)

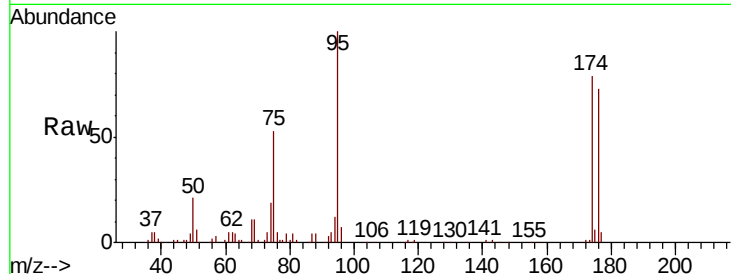




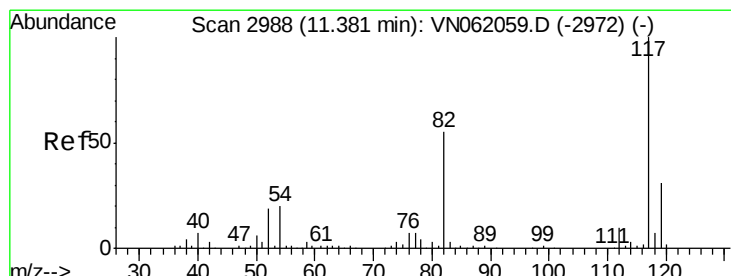
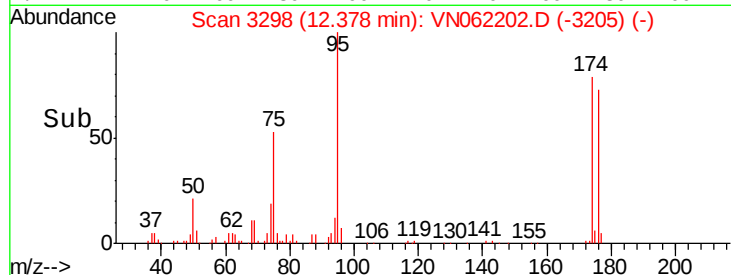
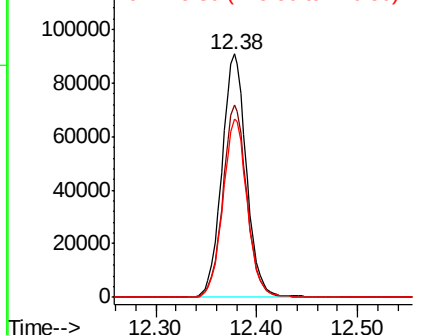
#62
4-Bromofluorobenzene
Concen: 46.833 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062202.D
Acq: 29 Jun 2020 20:56

Instrument :
MSVOA_N
ClientSampleId :
36BR-20200625DL

Tot Ion: 95 Resp: 154442
Ion Ratio Lower Upper
95 100
174 77.2 0.0 154.8
176 72.5 0.0 147.4

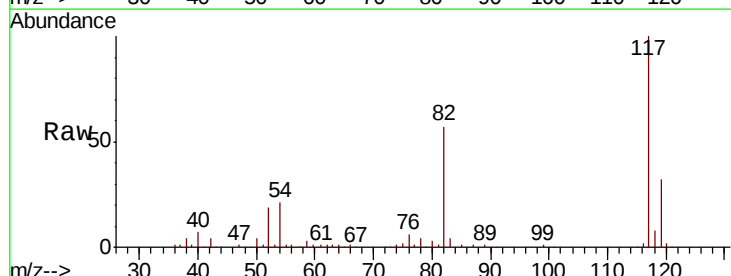


Abundance Ion 94.90 (94.60 to 95.60): VN062202.D (-3205) (-)
Ion 173.80 (173.50 to 174.50): VN062202.D (-3205) (-)
Ion 175.80 (175.50 to 176.50): VN062202.D (-3205) (-)

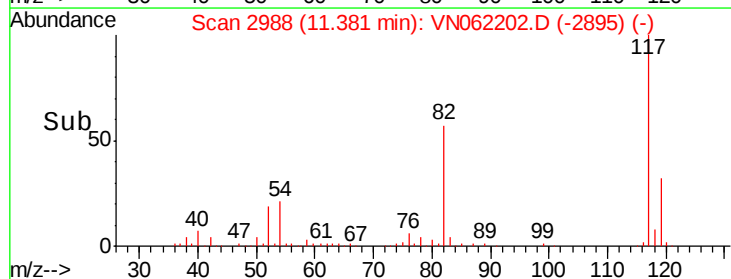
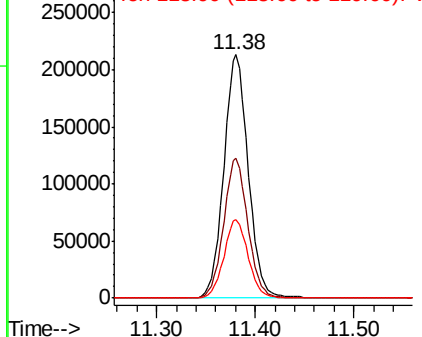


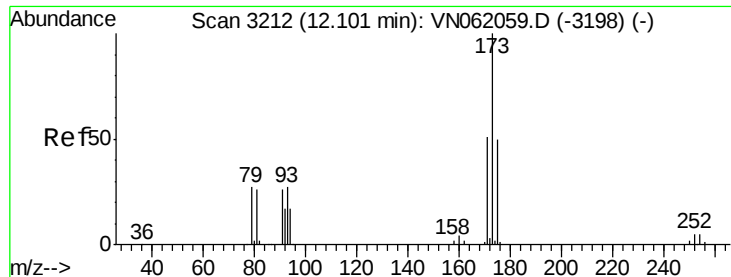
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062202.D
Acq: 29 Jun 2020 20:56

Tgt Ion: 117 Resp: 370722
Ion Ratio Lower Upper
117 100
82 57.3 43.8 65.8
119 32.1 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VN062202.D (-2895) (-)
Ion 82.00 (81.70 to 82.70): VN062202.D (-2895) (-)
Ion 118.90 (118.60 to 119.60): VN062202.D (-2895) (-)





#71

Bromoform

Concen: 0.795 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062202.D

Acq: 29 Jun 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

36BR-20200625DL

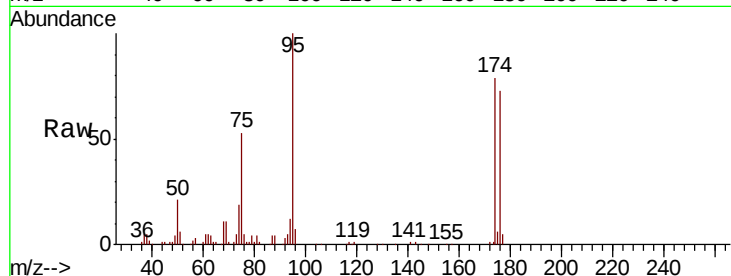
Tot Ion:173 Resp: 1592

Ion Ratio Lower Upper

173 100

175 460.5 24.7 74.1#

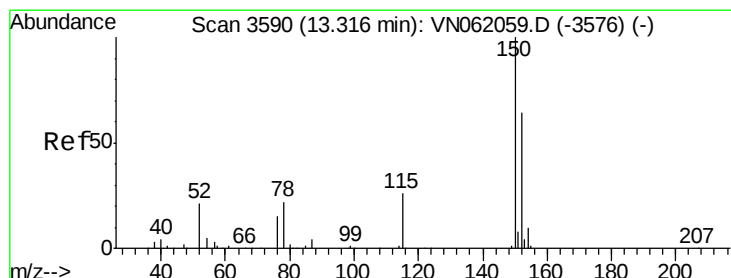
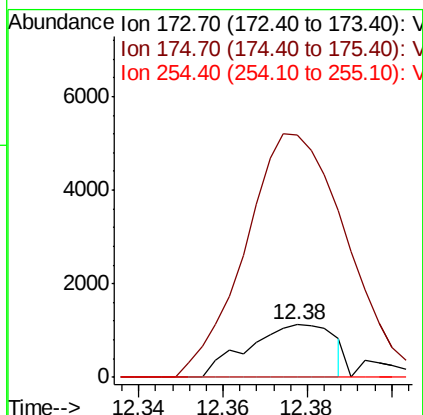
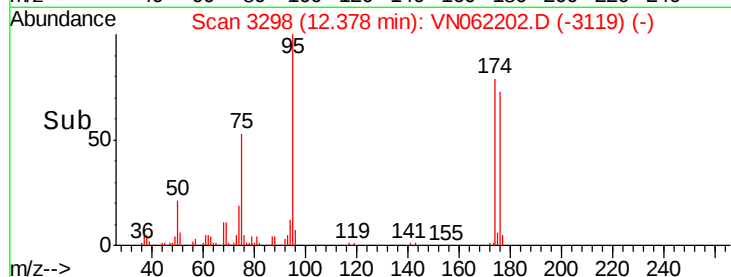
254 0.0 0.0 0.0



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: VN062202.D

Acq: 29 Jun 2020 20:56

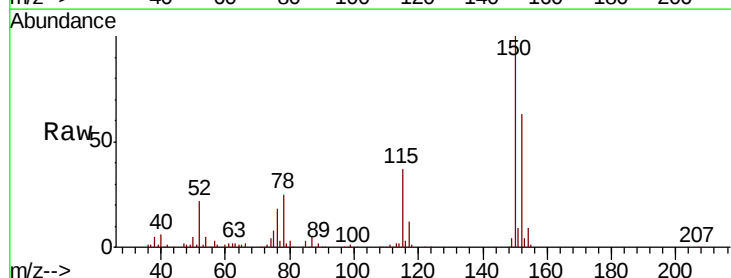
Tgt Ion:152 Resp: 133318

Ion Ratio Lower Upper

152 100

115 59.3 29.5 88.5

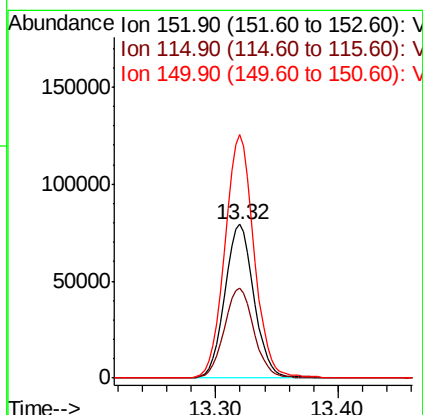
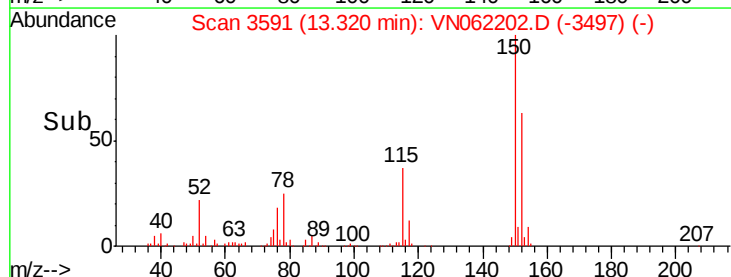
150 157.8 0.0 351.4

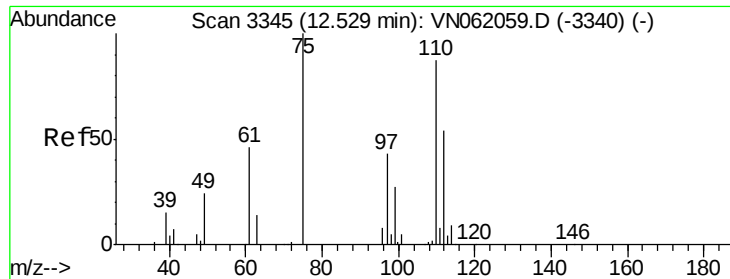


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

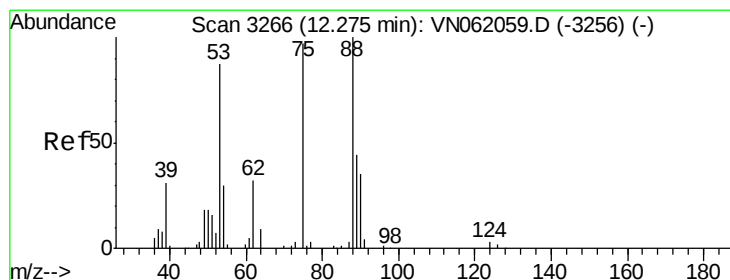
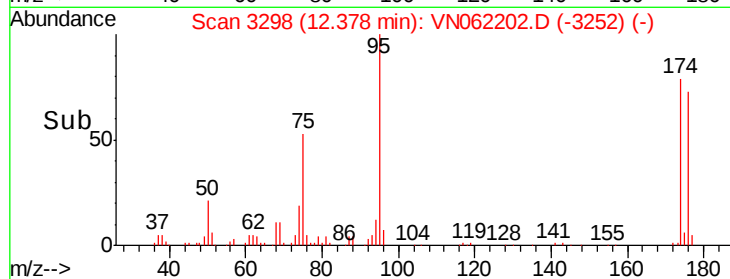
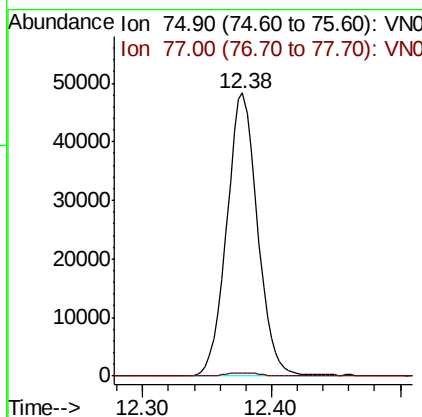
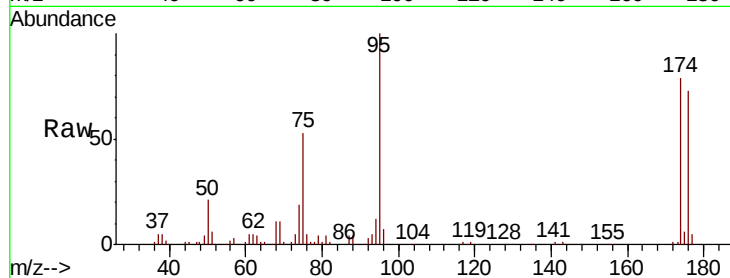




#76
 1,2,3-Trichloropropane
 Concen: 25.566 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062202.D
 Acq: 29 Jun 2020 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 36BR-20200625DL

Tot Ion: 75 Resp: 80237
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.663 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062202.D
 Acq: 29 Jun 2020 20:56

Tgt Ion: 75 Resp: 80237
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.0 108.0#
 89 0.0 36.9 55.3#

