

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062195.D
 Acq On : 29 Jun 2020 18:07
 Operator : JC/MD
 Sample : L3088-06DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 45BR-20200622DL

Quant Time: Jun 30 04:28:08 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	202974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	387840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	376409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	134938	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	152800	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
35) Dibromofluoromethane	7.55	113	124327	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
50) Toluene-d8	10.06	98	505413	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.38	95	160324	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	

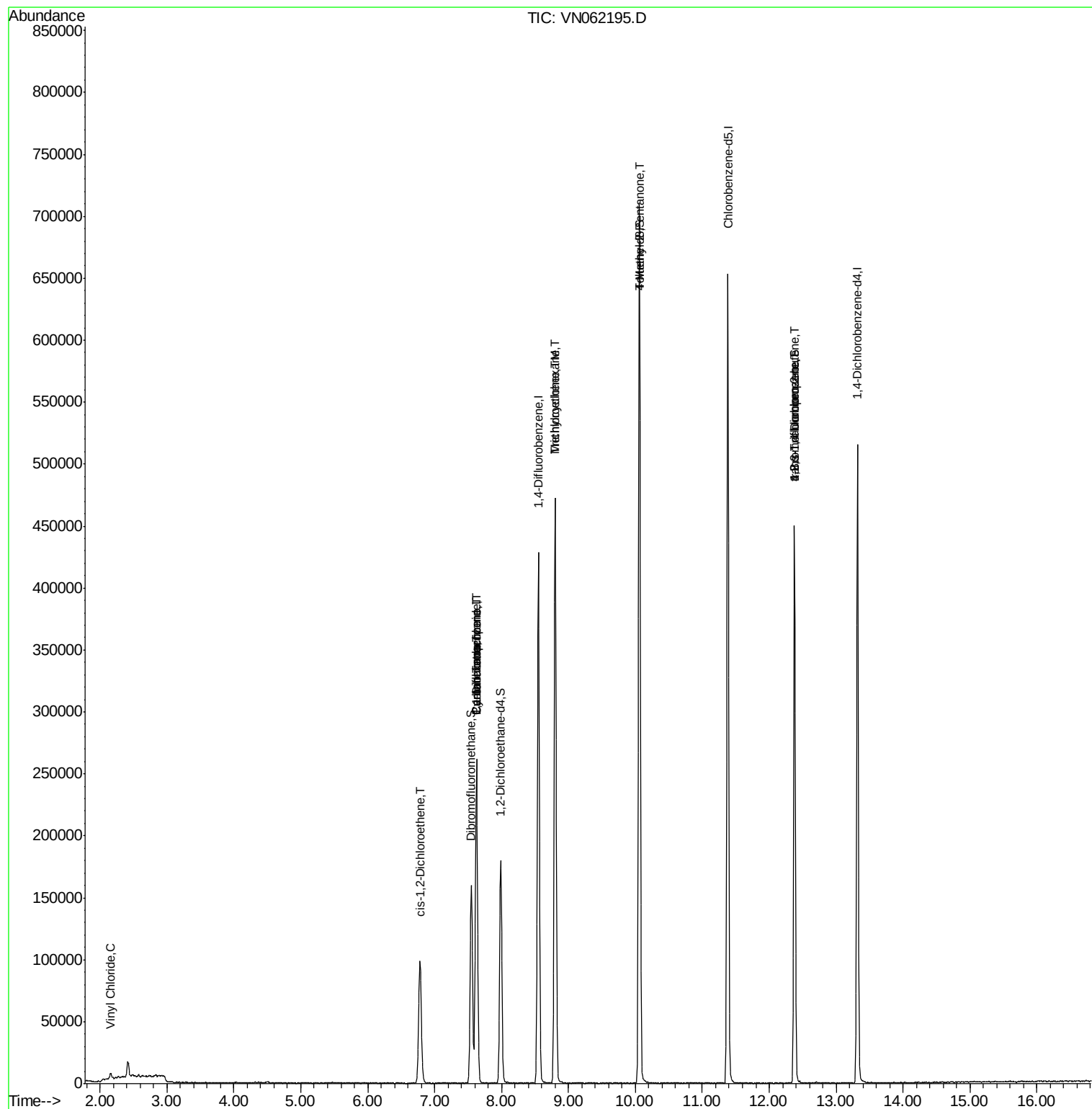
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	222	Below Cal	#	41
4) Vinyl Chloride	2.16	62	3697	1.023	ug/l	94
16) Acetone	3.78	43	620	Below Cal	#	40
20) Methylene Chloride	4.50	84	449	Below Cal	#	65
27) cis-1,2-Dichloroethene	6.78	96	67822	22.701	ug/l	89
31) Cyclohexane	7.63	56	5029	1.278	ug/l #	11
36) 1,1-Dichloropropene	7.62	75	17630	4.522	ug/l #	48
38) Carbon Tetrachloride	7.62	117	20423	5.557	ug/l #	14
39) Methylcyclohexane	8.80	83	2176	0.509	ug/l #	1
44) Trichloroethene	8.80	130	173158	57.771	ug/l	97
51) 4-Methyl-2-Pentanone	10.06	43	1980	0.644	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	79603	25.060	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	79603	73.183	ug/l #	13

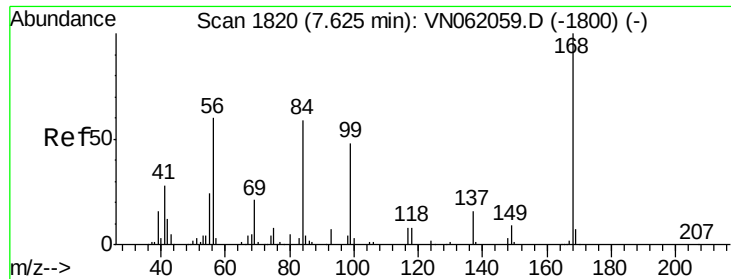
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062195.D

Acq: 29 Jun 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

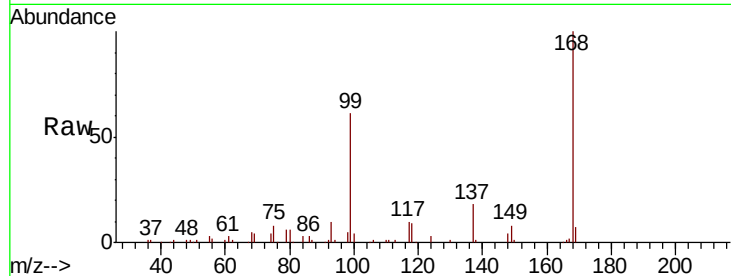
45BR-20200622DL

Tot Ion:168 Resp: 202974

Ion Ratio Lower Upper

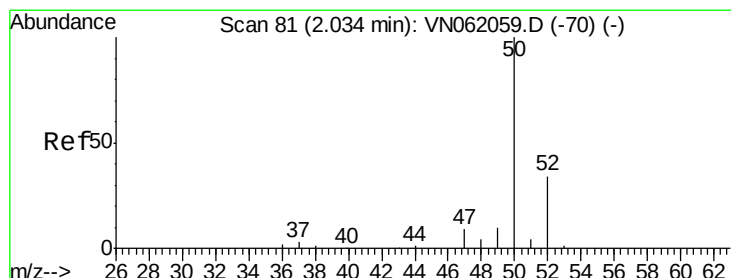
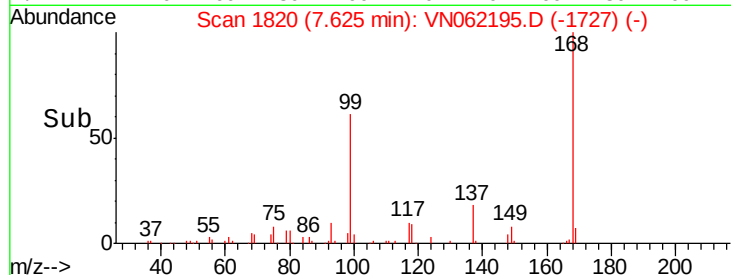
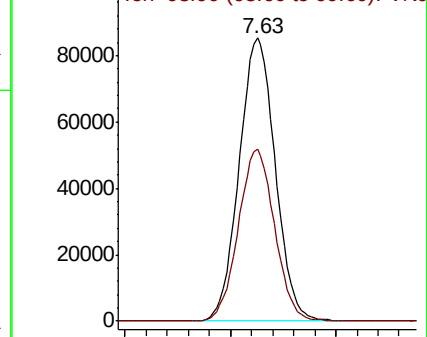
168 100

99 60.7 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062195.D

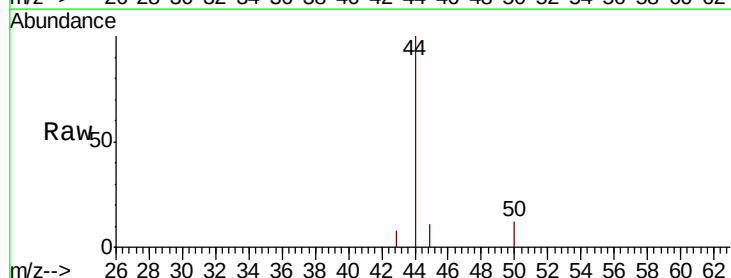
Acq: 29 Jun 2020 18:07

Tgt Ion: 50 Resp: 222

Ion Ratio Lower Upper

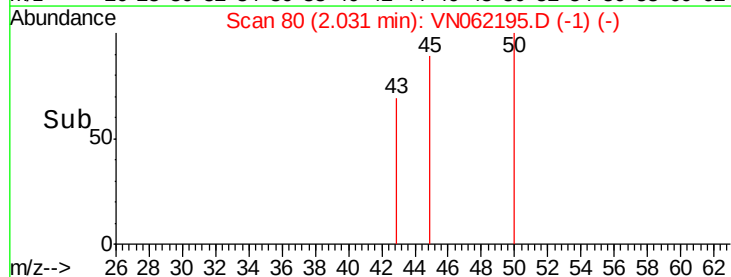
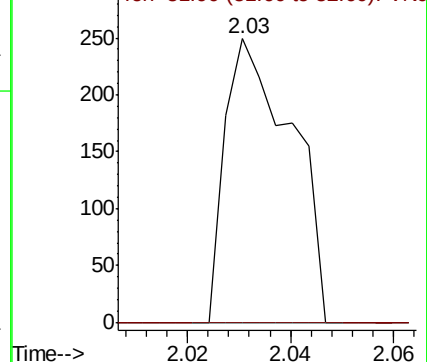
50 100

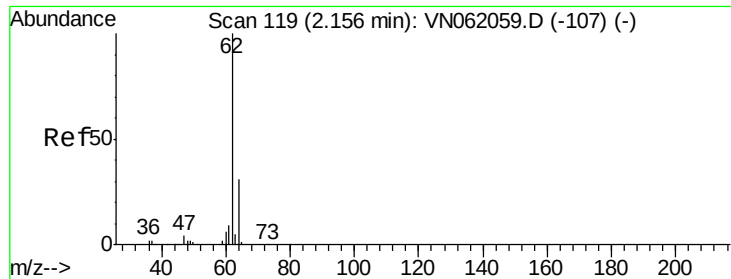
52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#4

Vinyl Chloride

Concen: 1.023 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062195.D

Acq: 29 Jun 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

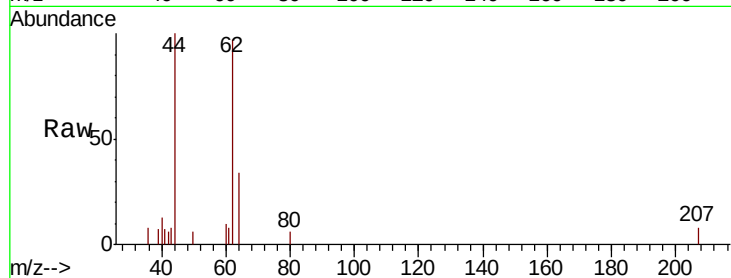
45BR-20200622DL

Tot Ion: 62 Resp: 3697

Ion Ratio Lower Upper

62 100

64 34.5 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

2500

2000

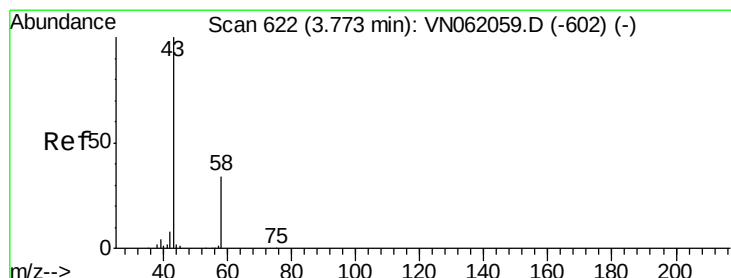
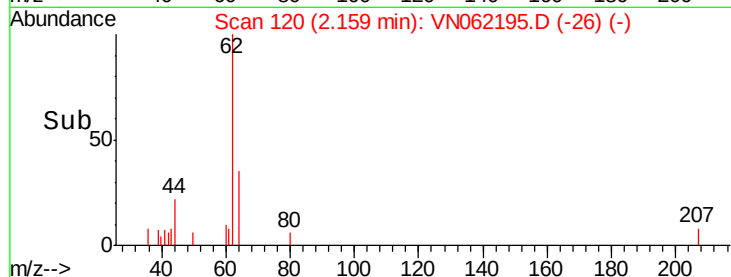
1500

1000

500

0

Time--> 2.10 2.15 2.20



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062195.D

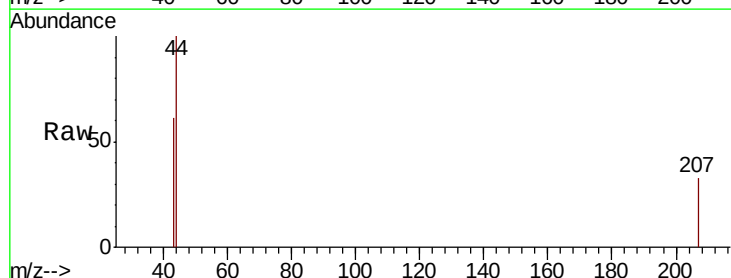
Acq: 29 Jun 2020 18:07

Tgt Ion: 43 Resp: 620

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

3.78

400

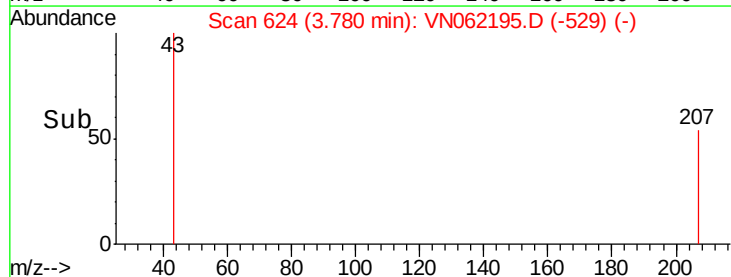
300

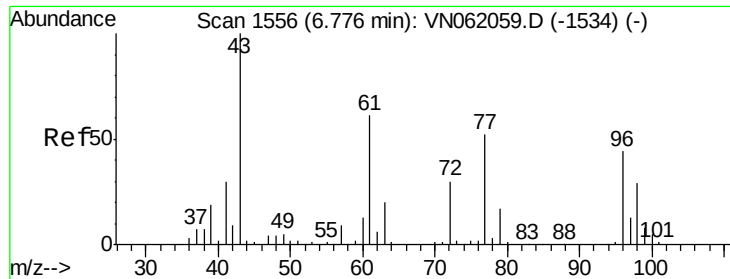
200

100

0

Time--> 3.74 3.76 3.78 3.80 3.82





#27

cis-1,2-Dichloroethene

Concen: 22.701 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062195.D

Acq: 29 Jun 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

45BR-20200622DL

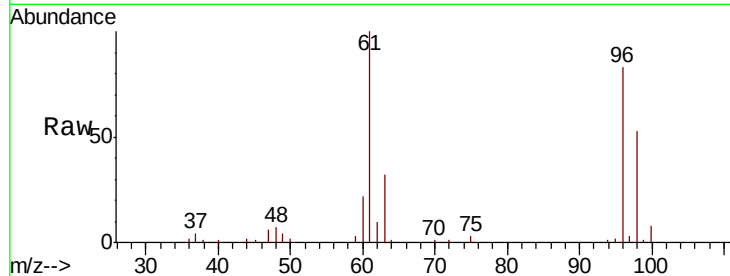
Tot Ion: 96 Resp: 67822

Ion Ratio Lower Upper

96 100

61 121.4 0.0 280.4

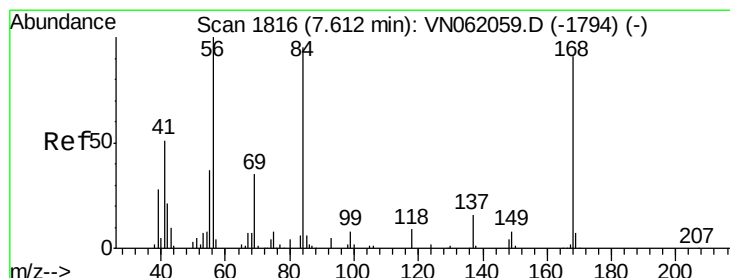
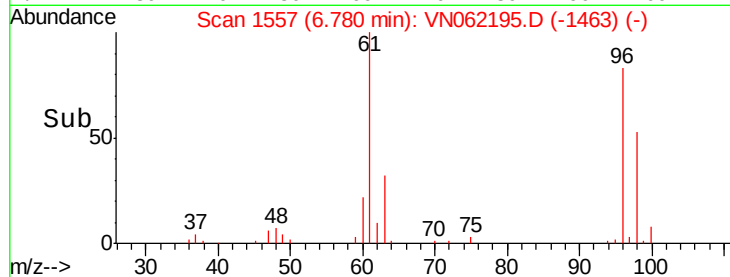
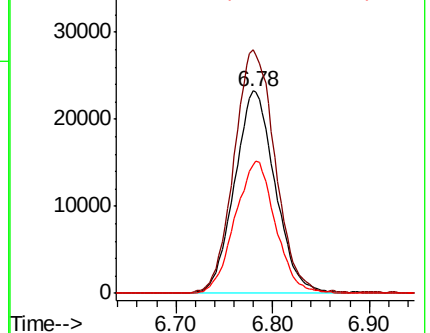
98 64.9 0.0 129.4



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: 1.278 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062195.D

Acq: 29 Jun 2020 18:07

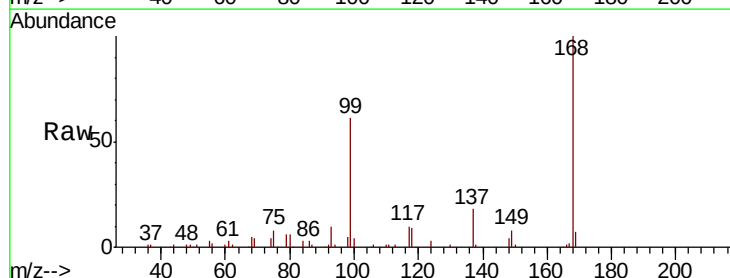
Tgt Ion: 56 Resp: 5029

Ion Ratio Lower Upper

56 100

69 168.7 28.0 42.0#

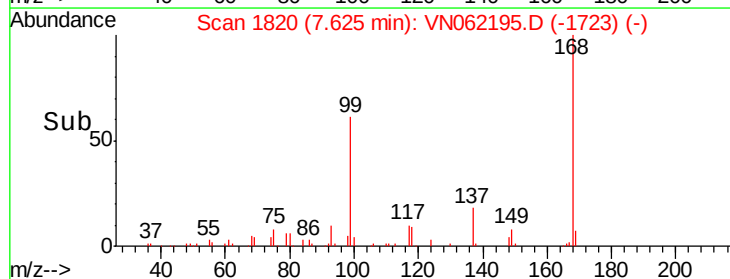
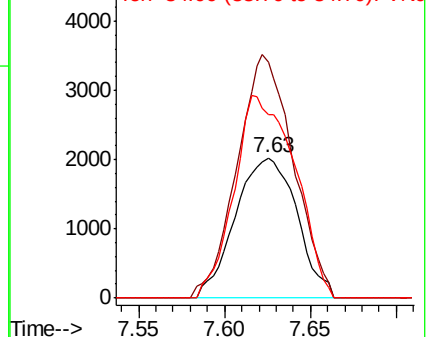
84 131.4 76.1 114.1#

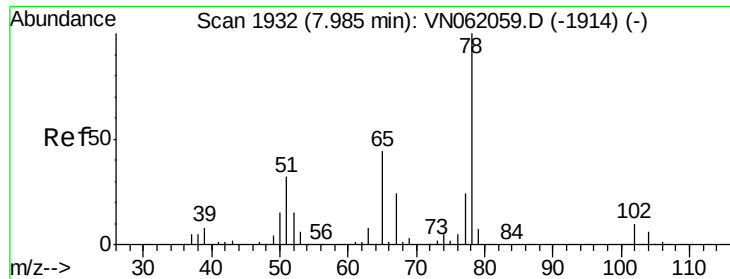


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

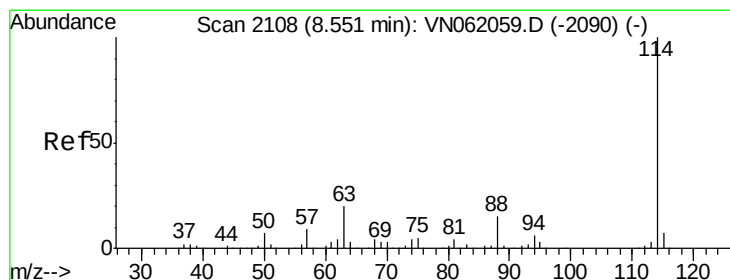
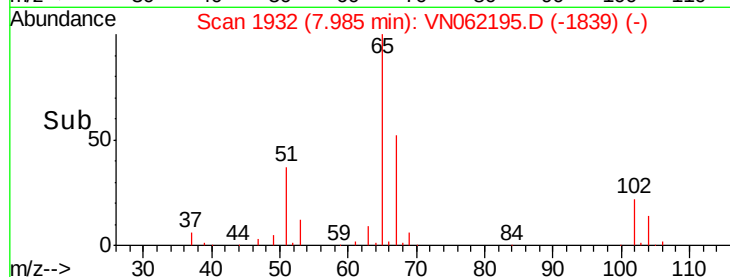
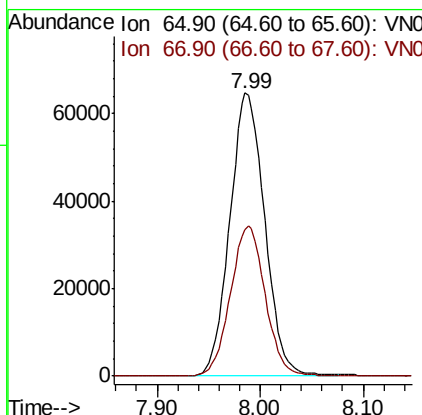
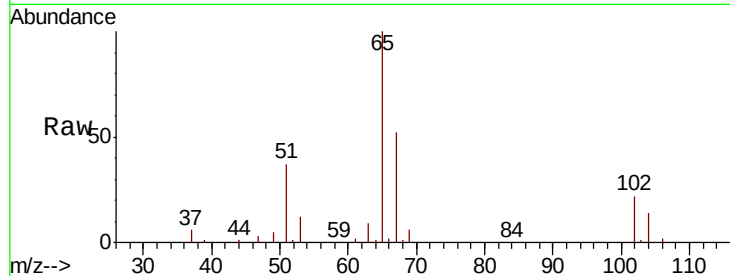




#33
 1,2-Dichloroethane-d4
 Concen: 53.644 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN062195.D
 Acq: 29 Jun 2020 18:07

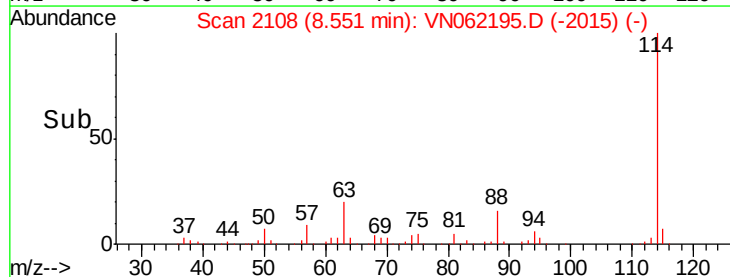
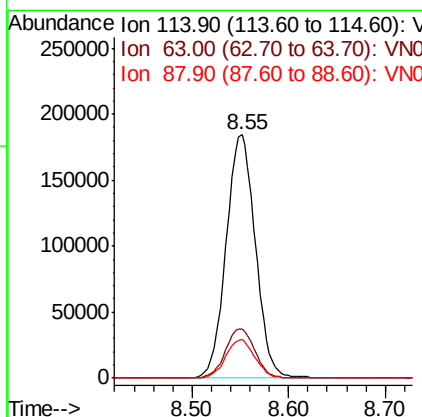
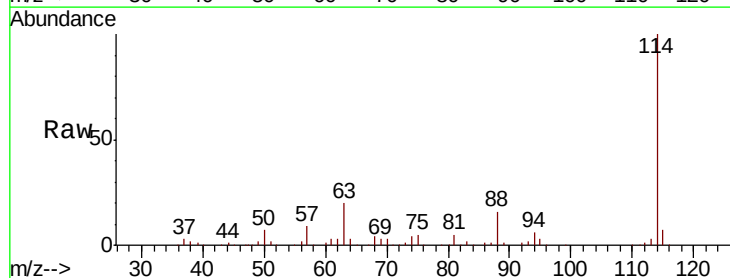
Instrument :
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 ClientSampleId :
 45BR-20200622DL

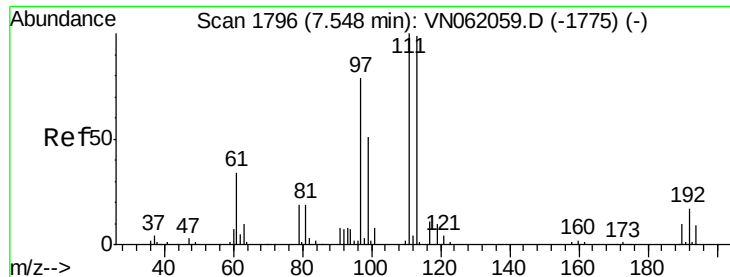
Tot Ion: 65 Resp: 152800
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062195.D
 Acq: 29 Jun 2020 18:07

Tgt Ion: 114 Resp: 387840
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.2
 88 15.9 0.0 30.8

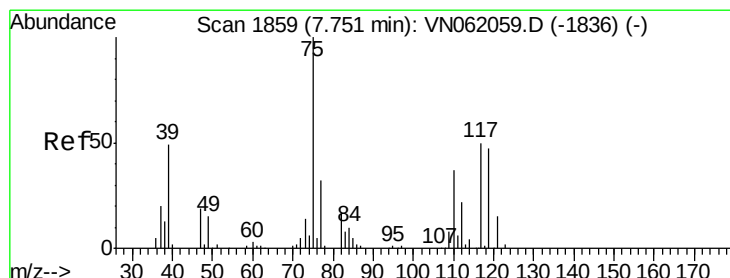
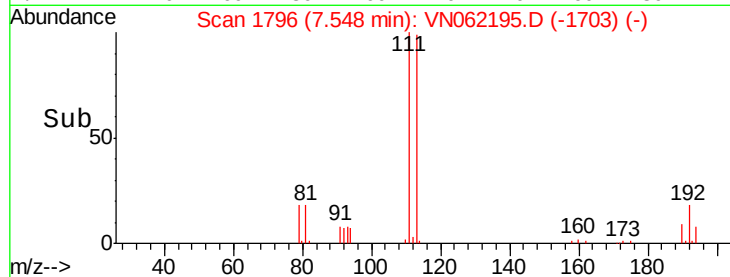
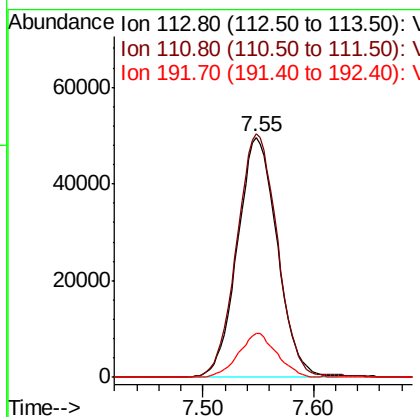
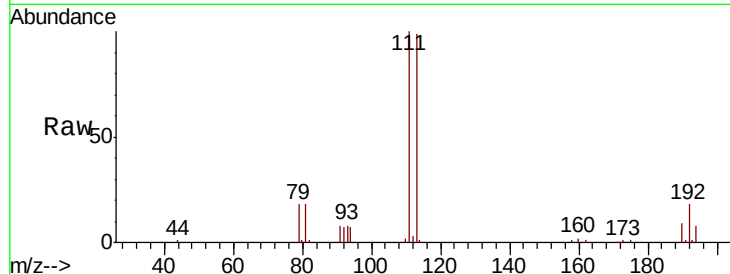




#35
 Dibromofluoromethane
 Concen: 49.967 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062195.D
 Acq: 29 Jun 2020 18:07

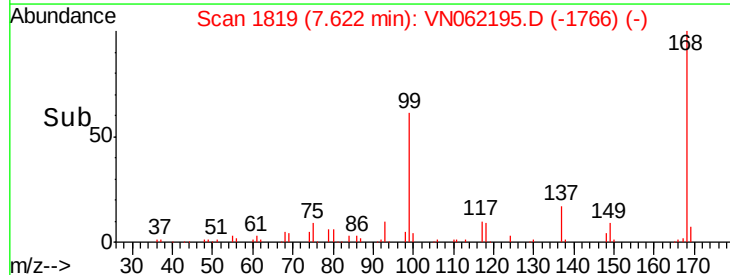
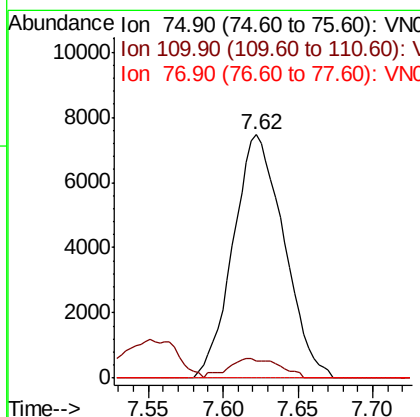
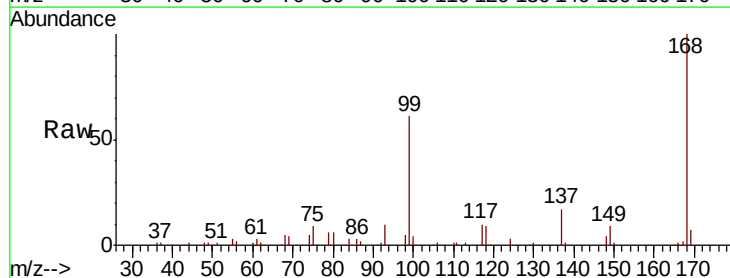
Instrument :
 MSVOA_N
 ClientSampleId :
 45BR-20200622DL

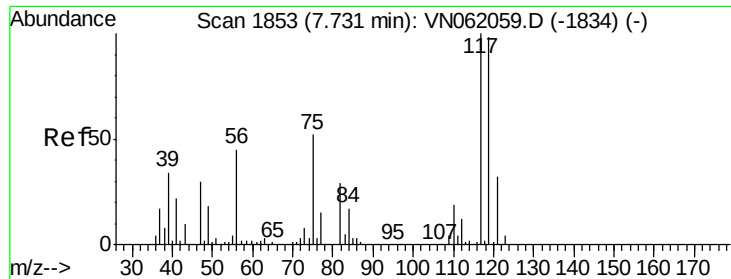
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.2	123.4
192	17.5	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.522 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062195.D
 Acq: 29 Jun 2020 18:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.9	53.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.557 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062195.D

Acq: 29 Jun 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

45BR-20200622DL

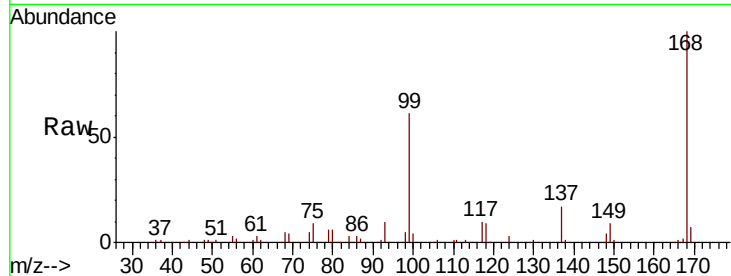
Tot Ion:117 Resp: 20423

Ion Ratio Lower Upper

117 100

119 4.2 78.2 117.2#

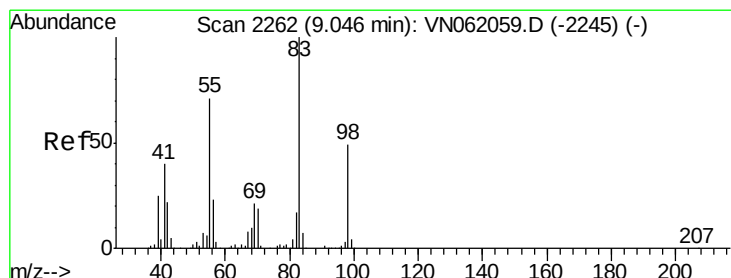
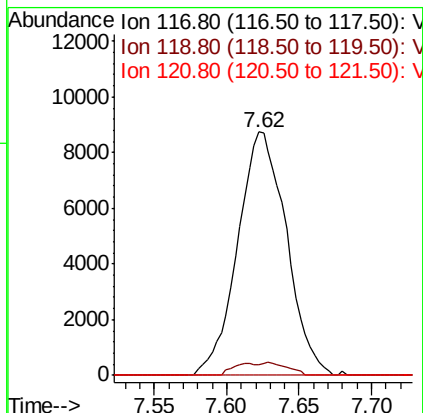
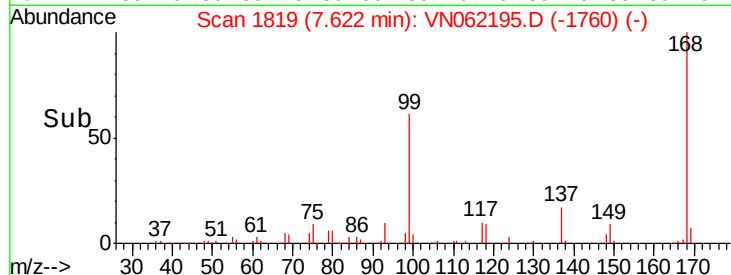
121 0.0 25.8 38.6#



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



#39

Methylcyclohexane

Concen: 0.509 ug/l

RT: 8.80 min Scan# 2184

Delta R.T. -0.25 min

Lab File: VN062195.D

Acq: 29 Jun 2020 18:07

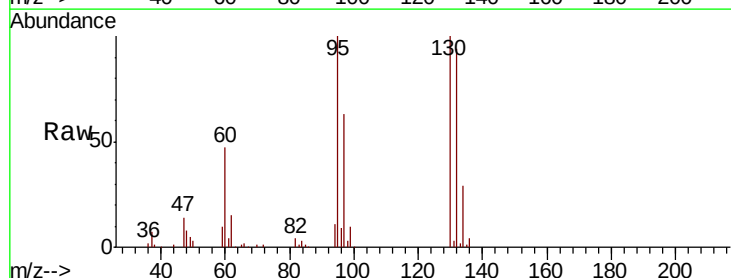
Tgt Ion: 83 Resp: 2176

Ion Ratio Lower Upper

83 100

55 0.0 57.0 85.6#

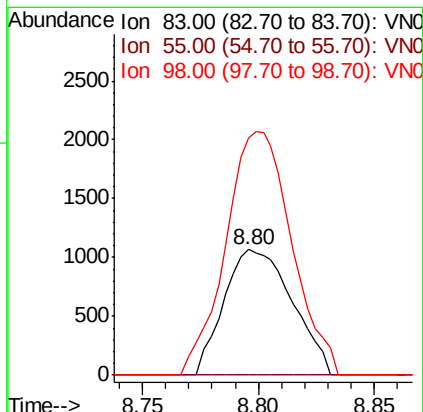
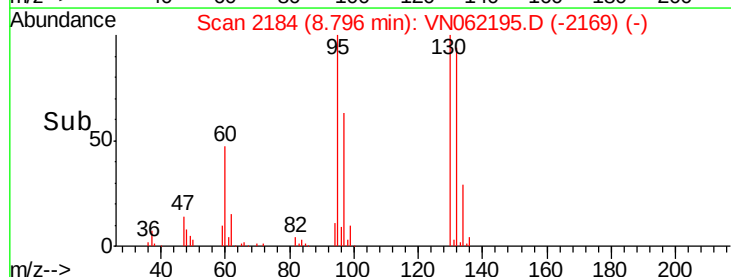
98 188.8 39.0 58.6#

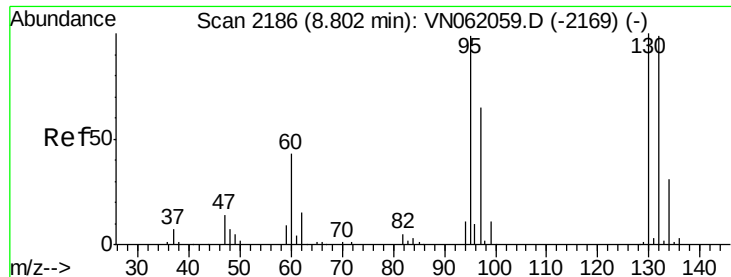


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

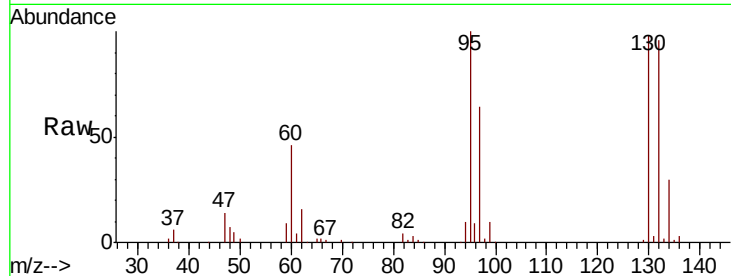




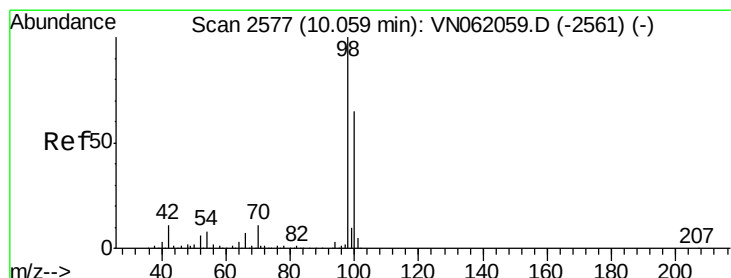
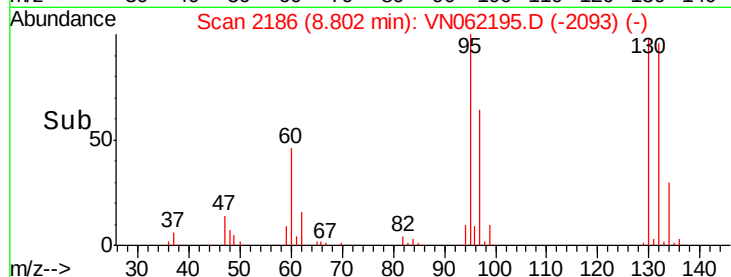
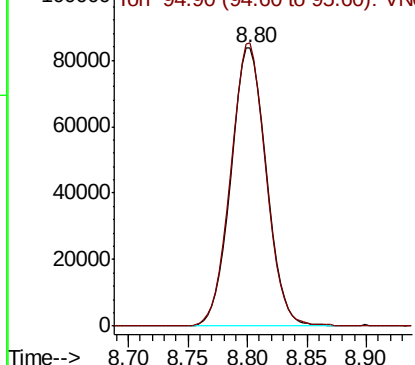
#44
 Trichloroethene
 Concen: 57.771 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN062195.D
 Acq: 29 Jun 2020 18:07

Instrument :
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Tot Ion:130 Resp: 173158
 Ion Ratio Lower Upper
 130 100
 95 101.5 0.0 197.8

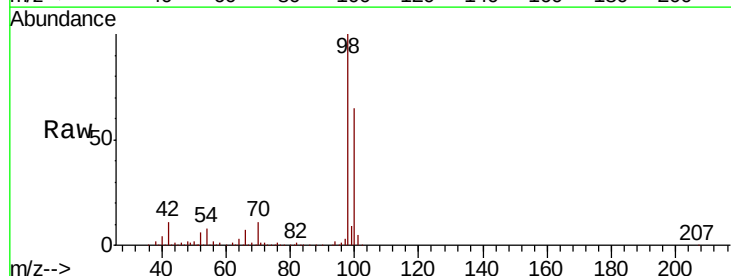


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN

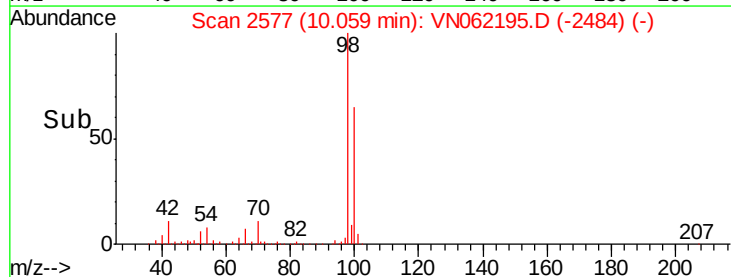
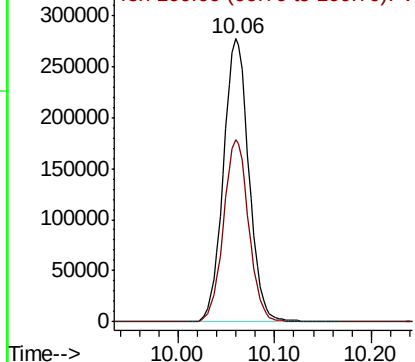


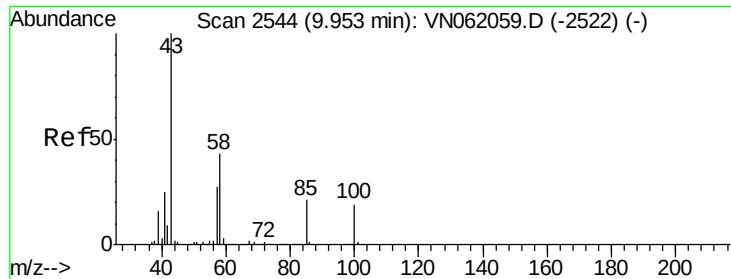
#50
 Toluene-d8
 Concen: 50.815 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN062195.D
 Acq: 29 Jun 2020 18:07

Tgt Ion: 98 Resp: 505413
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.2 76.8



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: 0.644 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN062195.D

Acq: 29 Jun 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

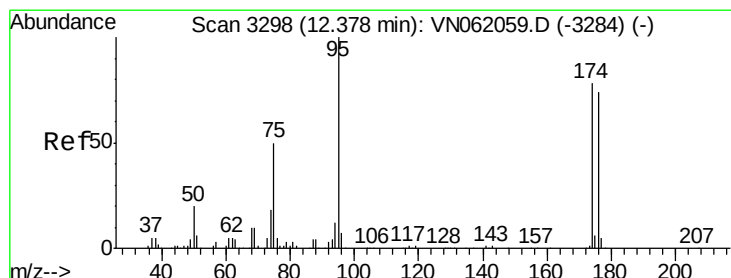
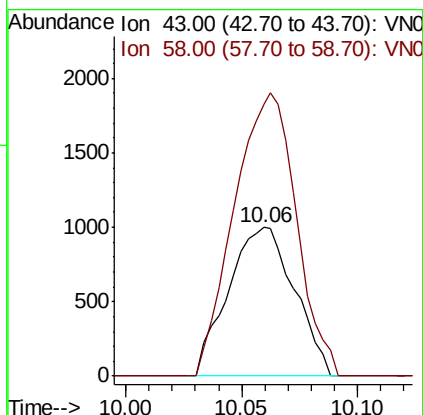
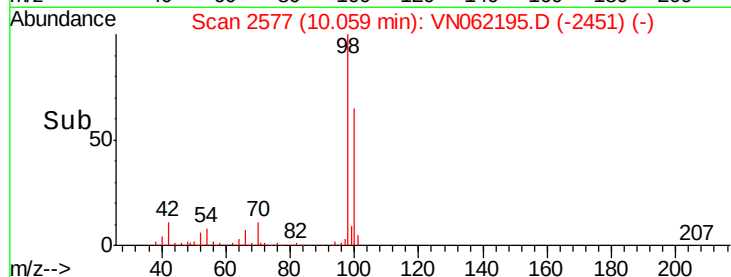
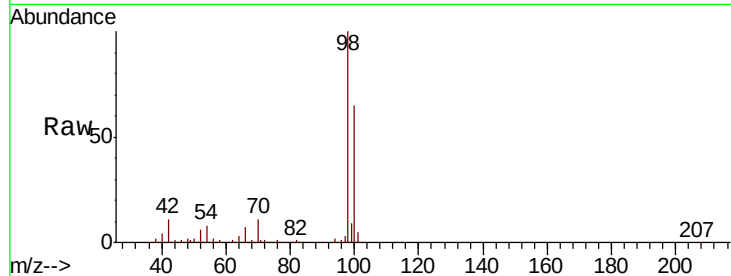
45BR-20200622DL

Tot Ion: 43 Resp: 1980

Ion Ratio Lower Upper

43 100

58 178.5 34.2 51.2#



#62

4-Bromofluorobenzene

Concen: 47.710 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062195.D

Acq: 29 Jun 2020 18:07

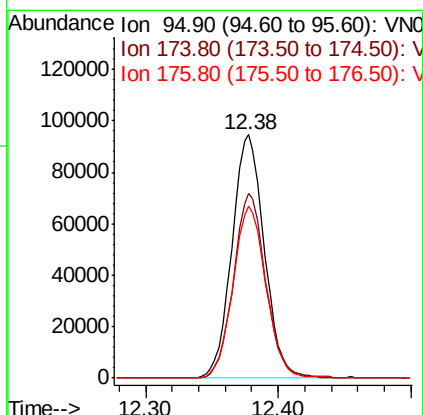
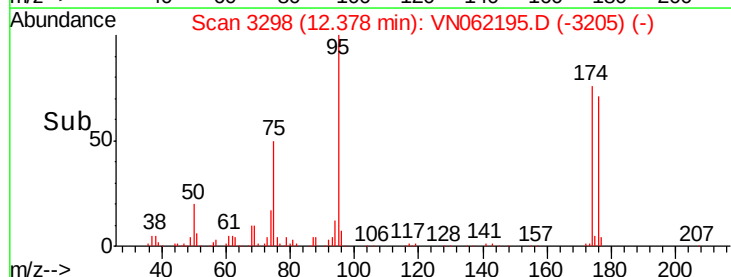
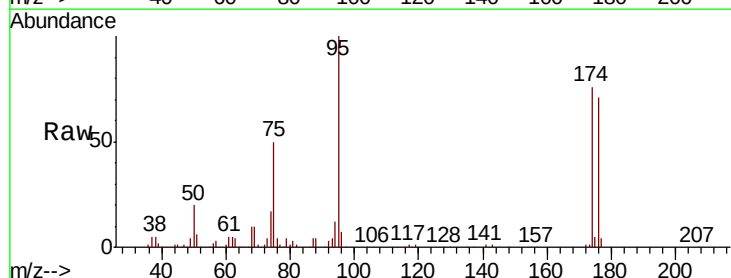
Tgt Ion: 95 Resp: 160324

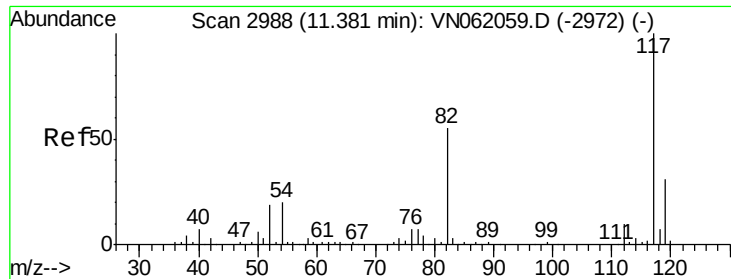
Ion Ratio Lower Upper

95 100

174 75.6 0.0 154.8

176 71.6 0.0 147.4

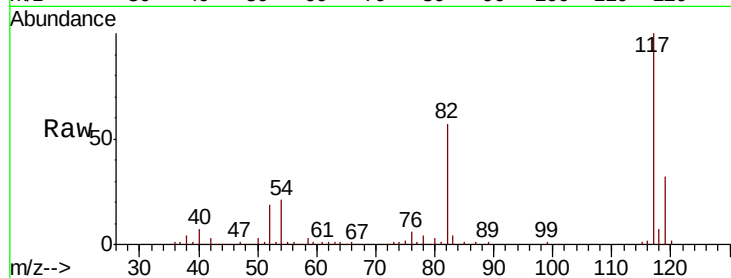




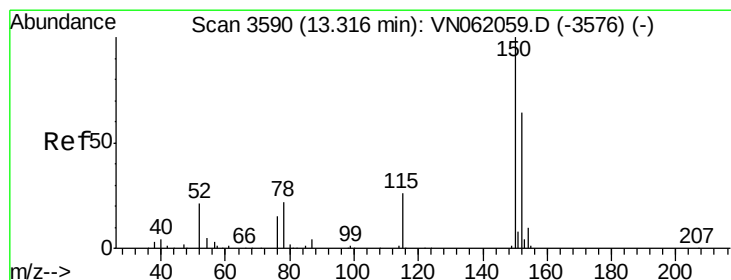
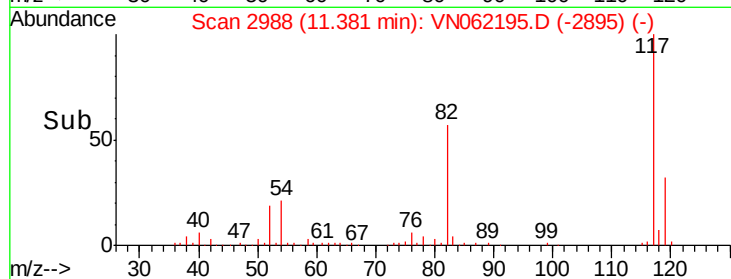
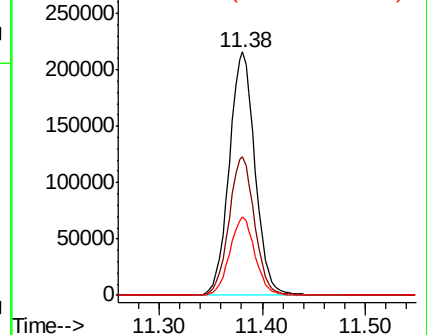
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062195.D
Acq: 29 Jun 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
45BR-20200622DL

Tot Ion:117 Resp: 376409
Ion Ratio Lower Upper
117 100
82 56.9 43.8 65.8
119 32.0 25.2 37.8

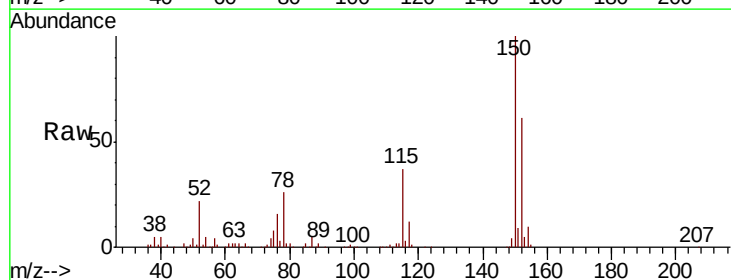


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

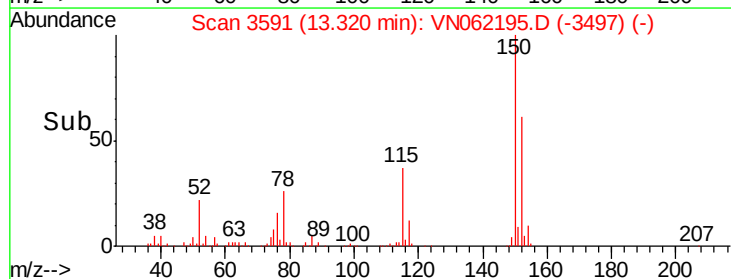
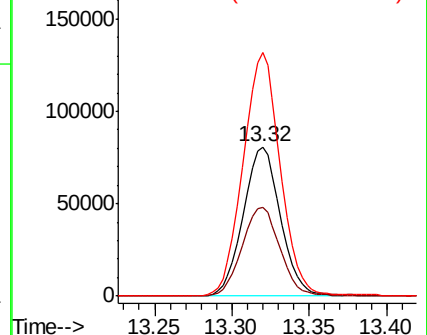


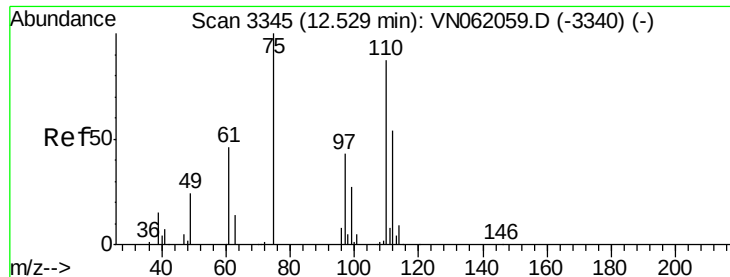
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062195.D
Acq: 29 Jun 2020 18:07

Tgt Ion:152 Resp: 134938
Ion Ratio Lower Upper
152 100
115 60.8 29.5 88.5
150 163.1 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: 25.060 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062195.D

Acq: 29 Jun 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

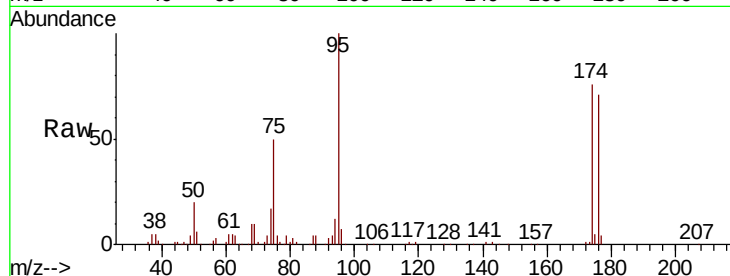
45BR-20200622DL

Tot Ion: 75 Resp: 79603

Ion Ratio Lower Upper

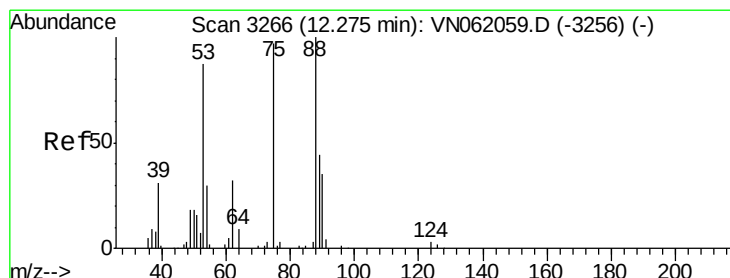
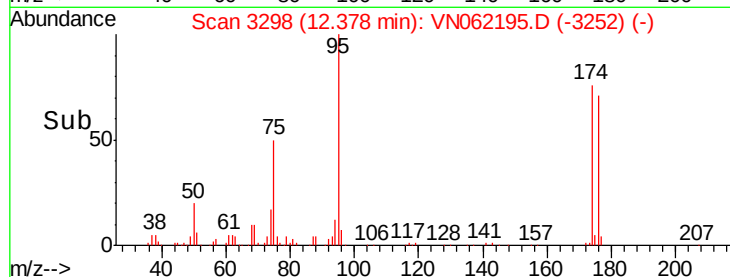
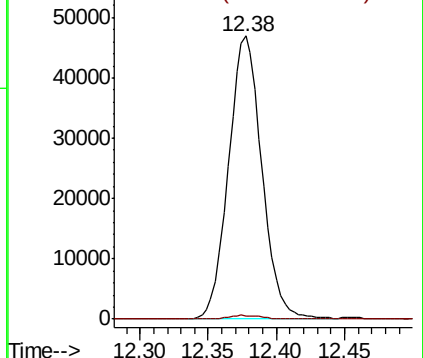
75 100

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: 73.183 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062195.D

Acq: 29 Jun 2020 18:07

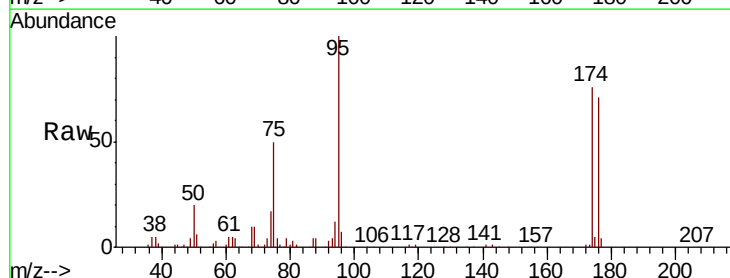
Tgt Ion: 75 Resp: 79603

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#



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

