

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062288.D
 Acq On : 1 Jul 2020 13:38
 Operator : JC/MD
 Sample : L3127-10DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 15BR-20200625DL

Quant Time: Jul 02 06:53:00 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	184459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	360851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	339691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	111909	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	147189	56.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.72%	
35) Dibromofluoromethane	7.55	113	117682	50.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.66%	
50) Toluene-d8	10.06	98	466170	50.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.38	95	140610	44.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.94%	

Target Compounds

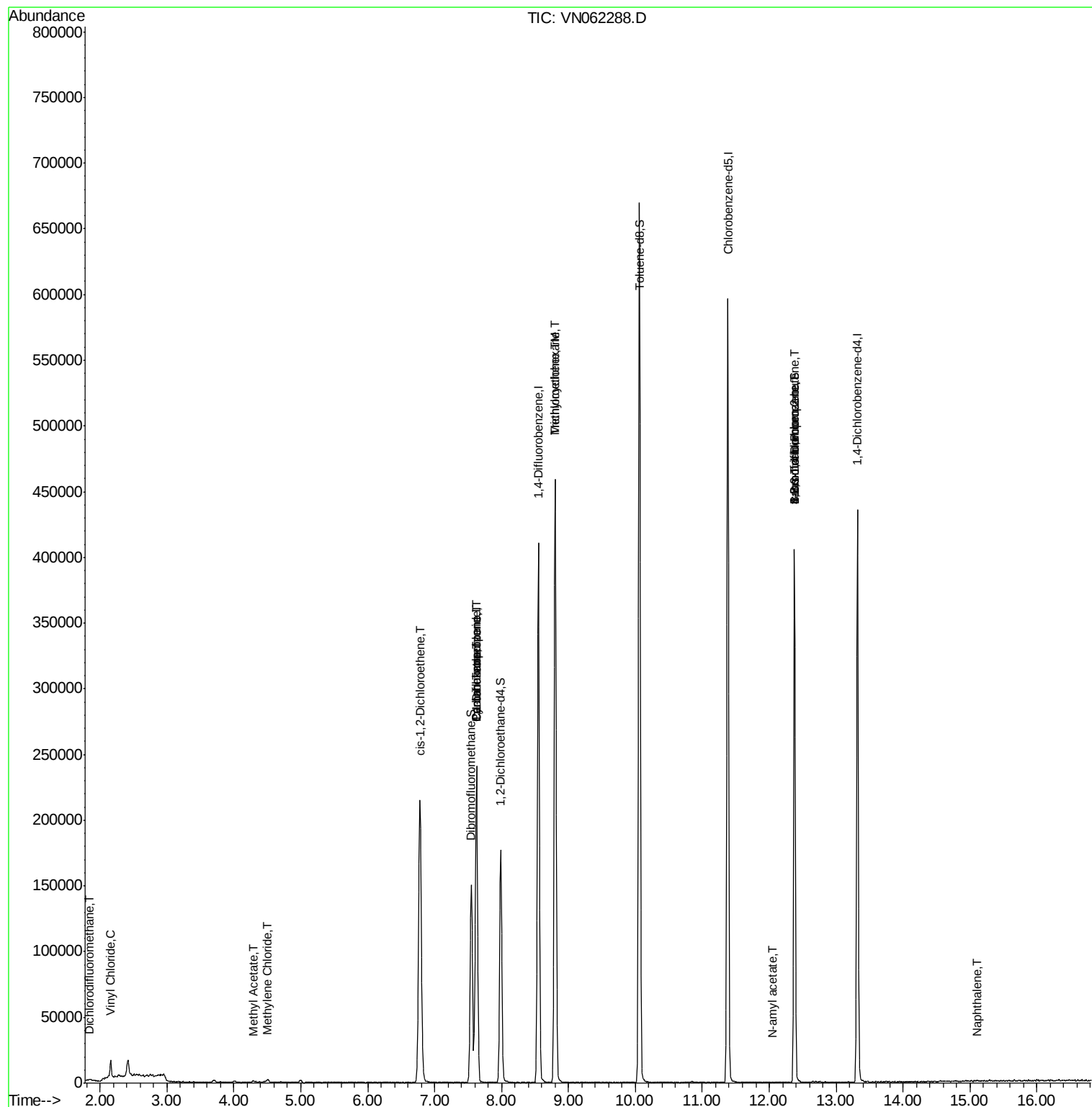
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	713	0.342	ug/l	91
3) Chloromethane	2.04	50	291	Below Cal	#	41
4) Vinyl Chloride	2.16	62	11442	3.485	ug/l	98
16) Acetone	3.79	43	1038	Below Cal	#	40
18) Methyl Acetate	4.29	43	1278	0.621	ug/l #	46
20) Methylene Chloride	4.50	84	1261	0.315	ug/l #	84
27) cis-1,2-Dichloroethene	6.78	96	145986	53.768	ug/l	92
31) Cyclohexane	7.62	56	4485	1.254	ug/l #	14
36) 1,1-Dichloropropene	7.63	75	16241	4.478	ug/l #	48
38) Carbon Tetrachloride	7.63	117	19081	5.580	ug/l #	16
39) Methylcyclohexane	8.81	83	2203	0.554	ug/l #	1
44) Trichloroethene	8.80	130	165666	59.406	ug/l	97
71) Bromoform	12.38	173	1161	0.633	ug/l #	1
74) N-amyl acetate	12.04	43	95	3.371	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	72945	27.689	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	72945	80.863	ug/l #	13
95) Naphthalene	15.11	128	657	4.108	ug/l #	69

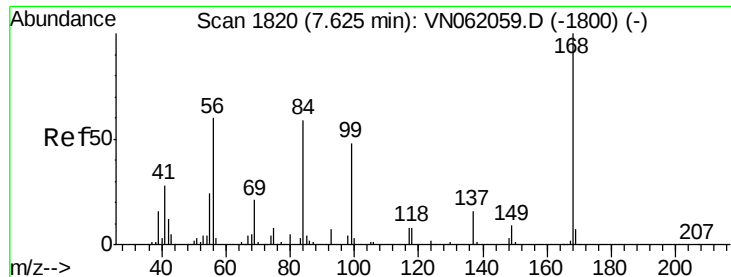
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062288.D

Acq: 1 Jul 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

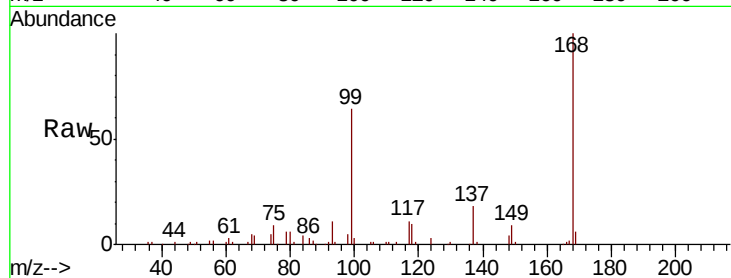
15BR-20200625DL

Tot Ion:168 Resp: 184459

Ion Ratio Lower Upper

168 100

99 63.6 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

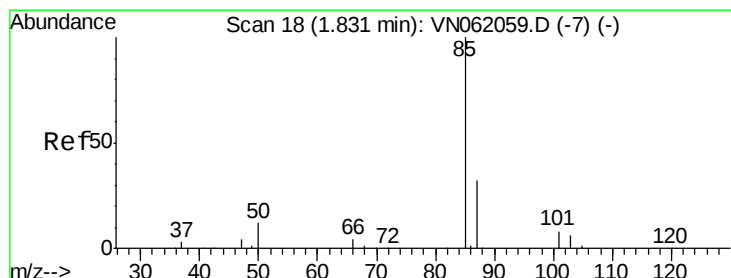
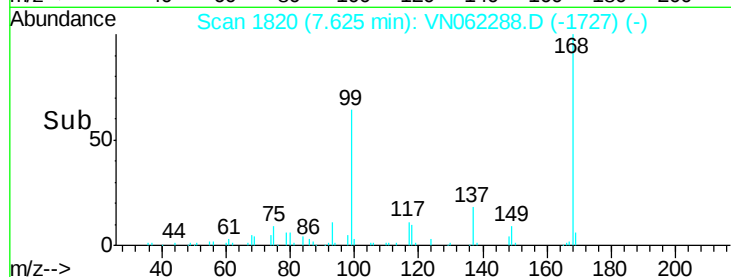
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.342 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062288.D

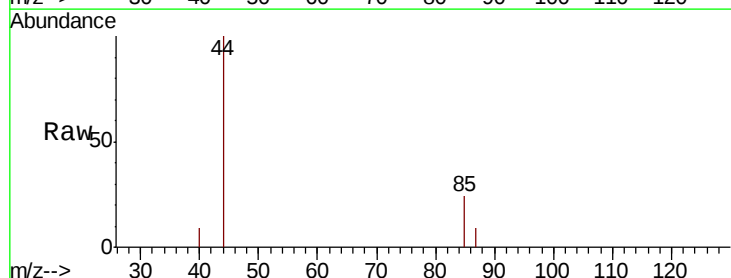
Acq: 1 Jul 2020 13:38

Tgt Ion: 85 Resp: 713

Ion Ratio Lower Upper

85 100

87 36.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

600

500

400

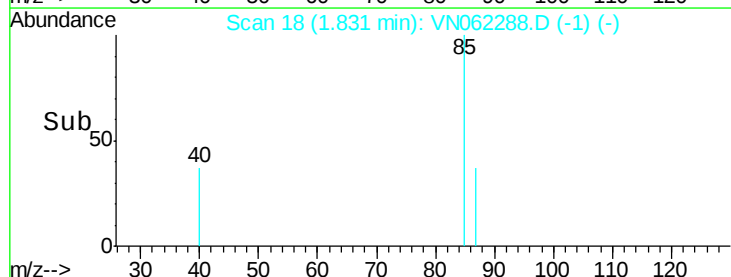
300

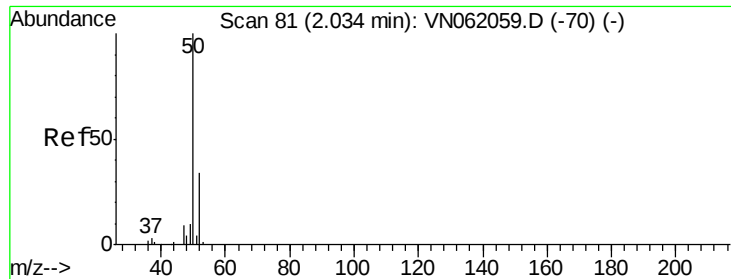
200

100

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062288.D

Acq: 1 Jul 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

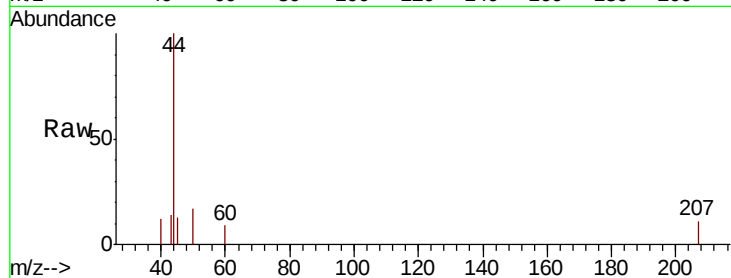
15BR-20200625DL

Tot Ion: 50 Resp: 291

Ion Ratio Lower Upper

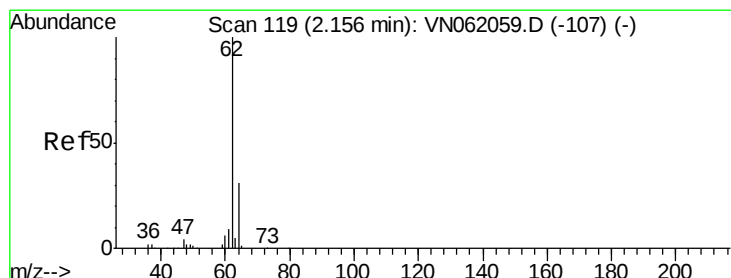
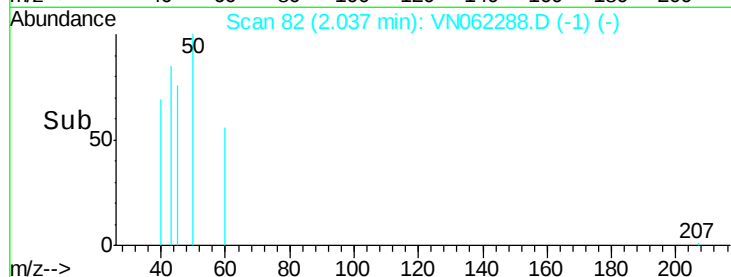
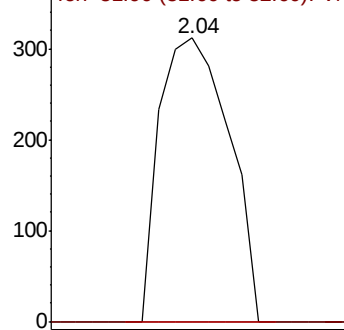
50 100

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: 3.485 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062288.D

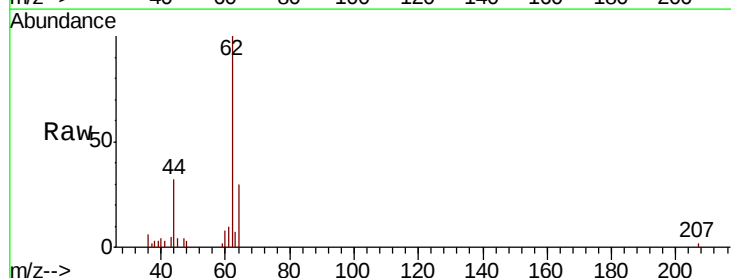
Acq: 1 Jul 2020 13:38

Tgt Ion: 62 Resp: 11442

Ion Ratio Lower Upper

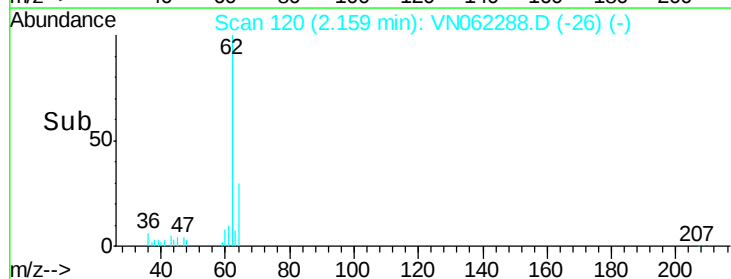
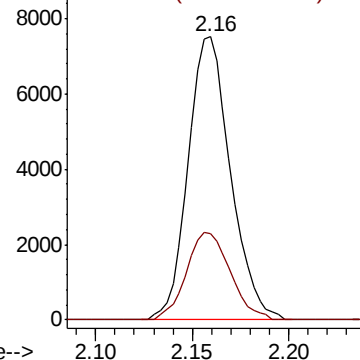
62 100

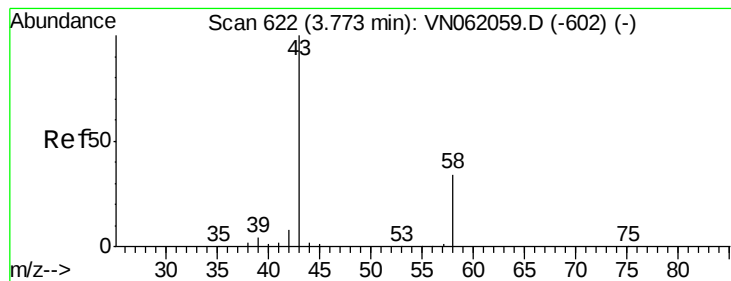
64 30.3 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.02 min

Lab File: VN062288.D

Acq: 1 Jul 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

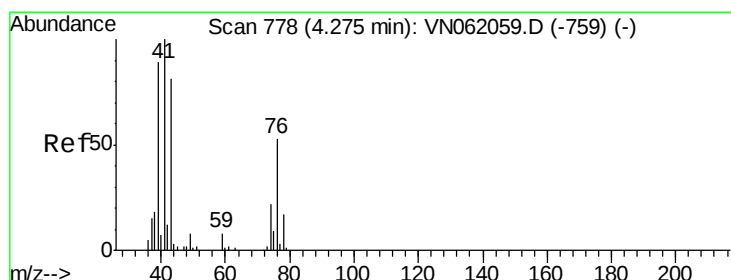
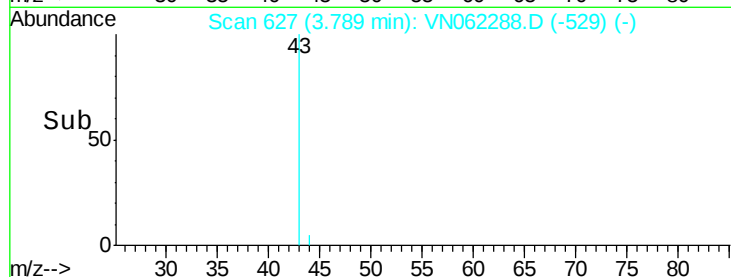
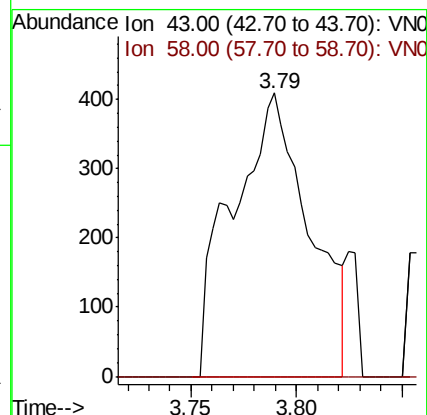
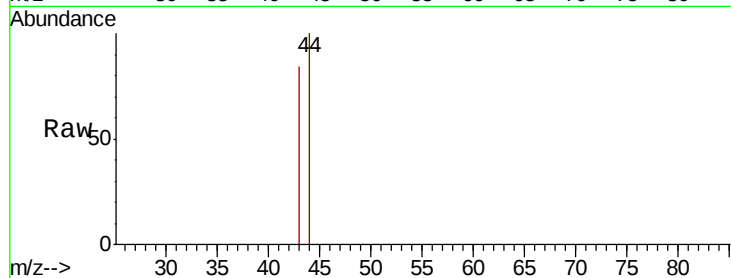
15BR-20200625DL

Tot Ion: 43 Resp: 1038

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#



#18

Methyl Acetate

Concen: 0.621 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.01 min

Lab File: VN062288.D

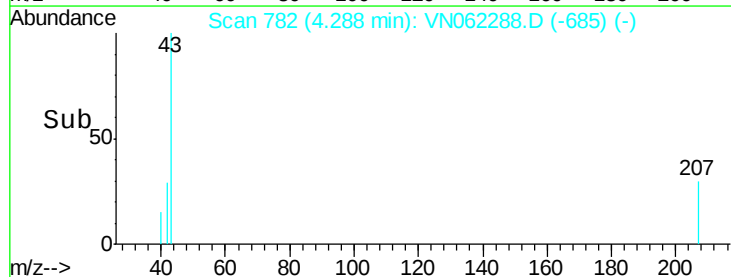
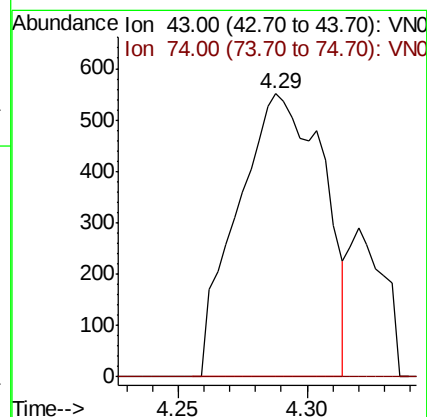
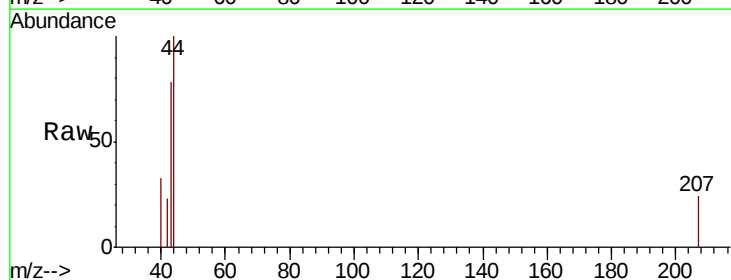
Acq: 1 Jul 2020 13:38

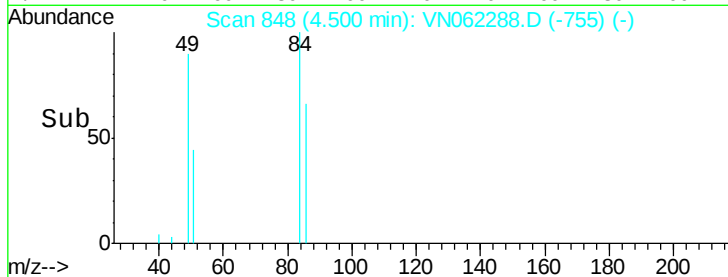
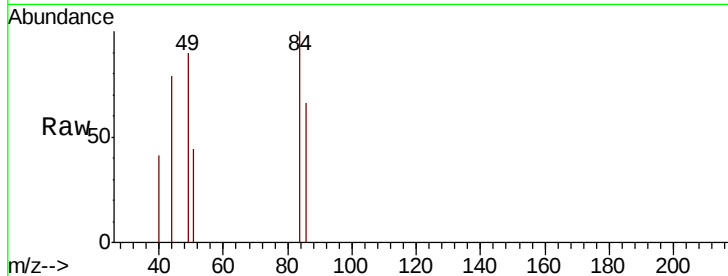
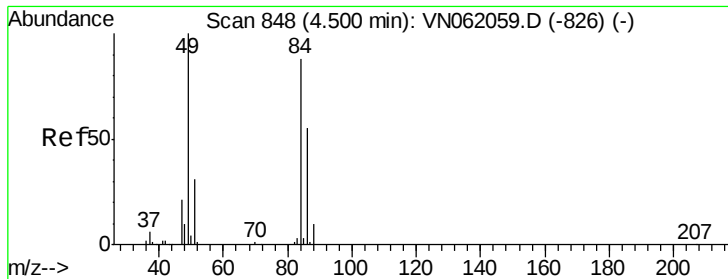
Tgt Ion: 43 Resp: 1278

Ion Ratio Lower Upper

43 100

74 0.0 22.9 34.3#

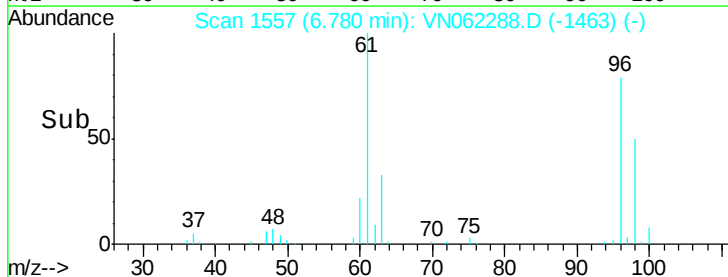
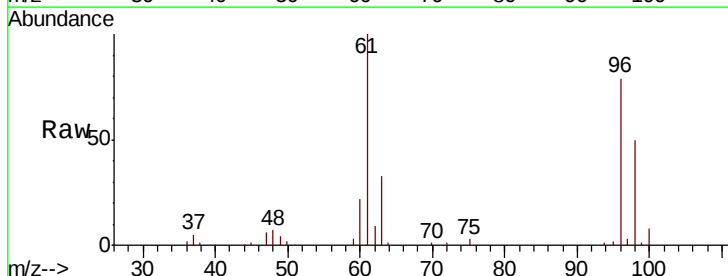
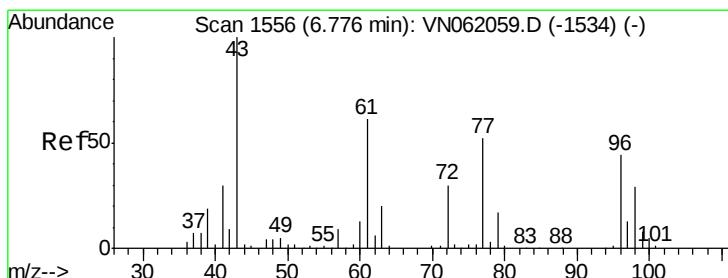
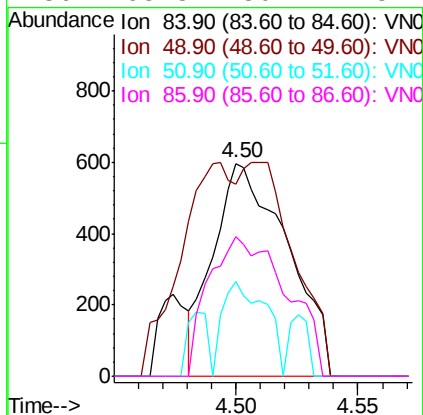




#20
Methvlene Chloride
Concen: 0.315 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062288.D
Acq: 1 Jul 2020 13:38

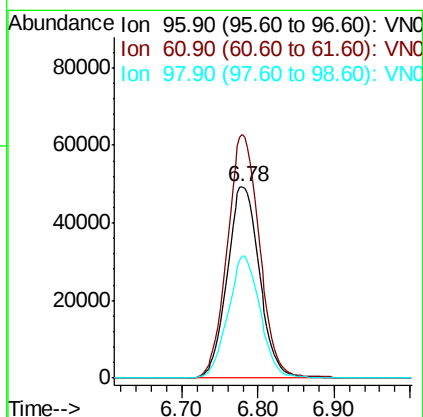
Instrument :
MSVOA_N
ClientSampleId :
15BR-20200625DL

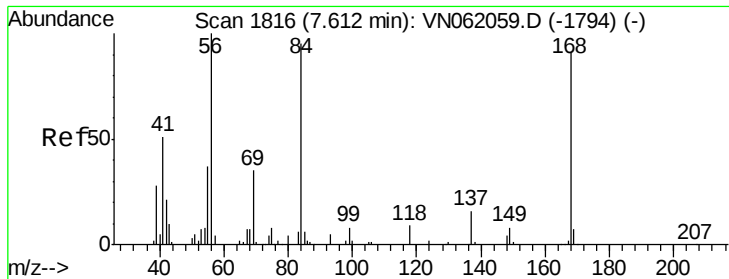
Tot Ion: 84 Resp: 1261
Ion Ratio Lower Upper
84 100
49 90.1 90.6 136.0#
51 44.5 27.8 41.8#
86 65.8 50.1 75.1



#27
cis-1,2-Dichloroethene
Concen: 53.768 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. 0.00 min
Lab File: VN062288.D
Acq: 1 Jul 2020 13:38

Tgt Ion: 96 Resp: 145986
Ion Ratio Lower Upper
96 100
61 126.3 0.0 280.4
98 63.2 0.0 129.4

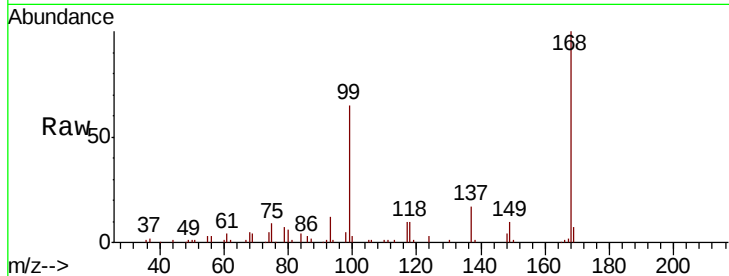




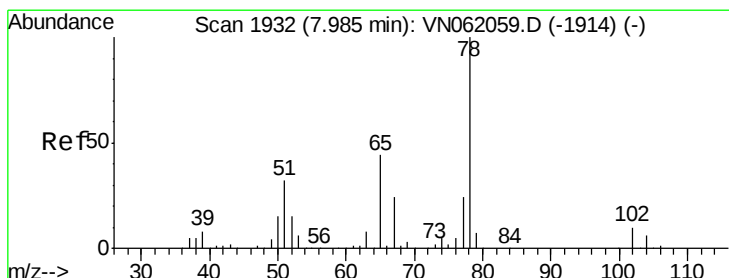
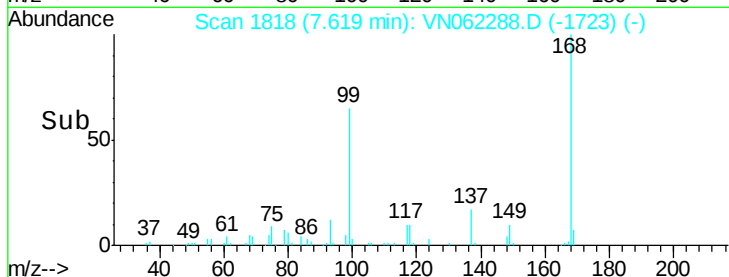
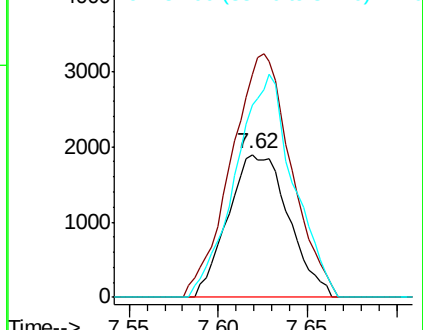
#31
Cyclohexane
Concen: 1.254 ug/l
RT: 7.62 min Scan# 1816
Delta R.T. 0.01 min
Lab File: VN062288.D
Acq: 1 Jul 2020 13:38

Instrument :
MSVOA_N
ClientSampleId :
15BR-20200625DL

Tot Ion: 56 Resp: 4485
Ion Ratio Lower Upper
56 100
69 156.5 28.0 42.0#
84 134.7 76.1 114.1#

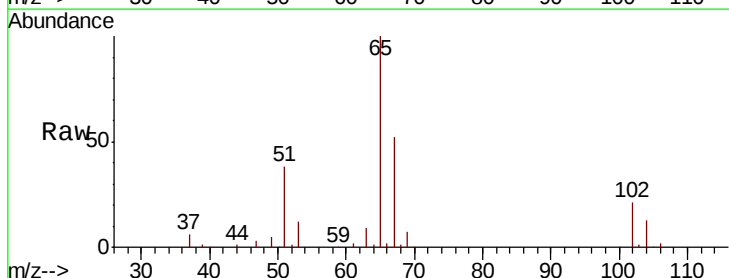


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

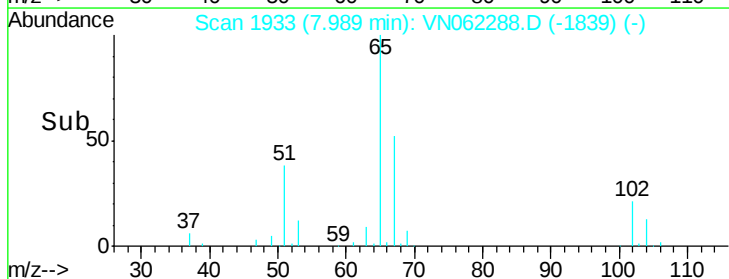
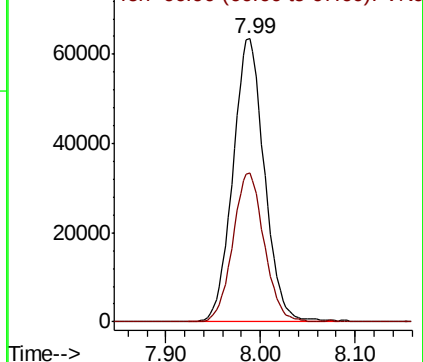


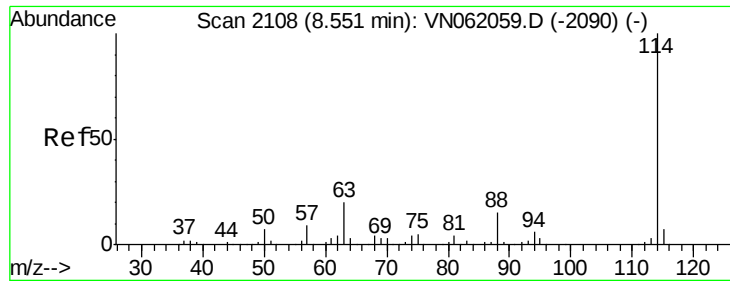
#33
1,2-Dichloroethane-d4
Concen: 56.861 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062288.D
Acq: 1 Jul 2020 13:38

Tgt Ion: 65 Resp: 147189
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062288.D

Acq: 1 Jul 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

15BR-20200625DL

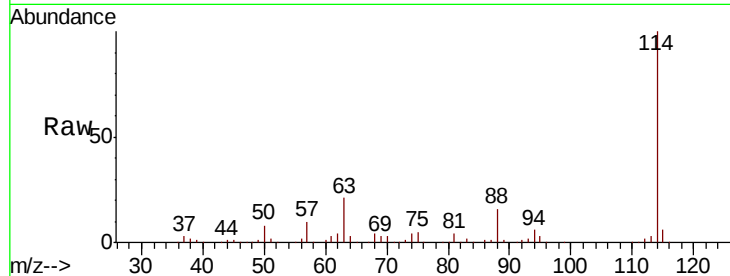
Tot Ion:114 Resp: 360851

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.2

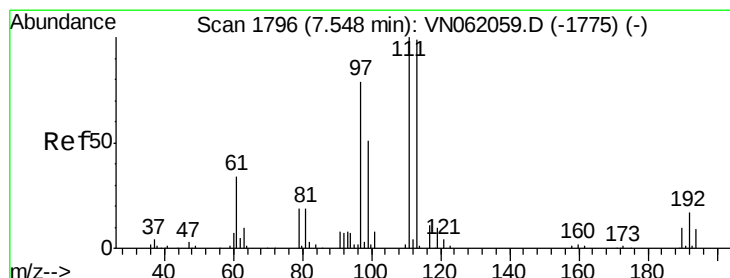
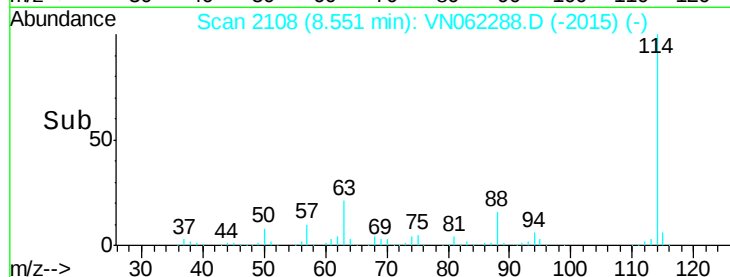
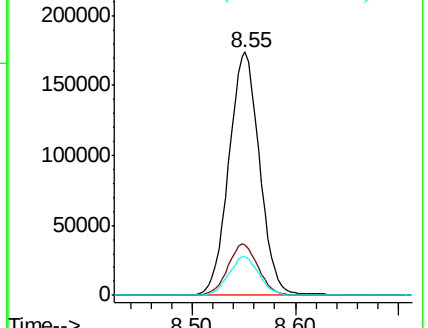
88 15.9 0.0 30.8



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: 50.834 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062288.D

Acq: 1 Jul 2020 13:38

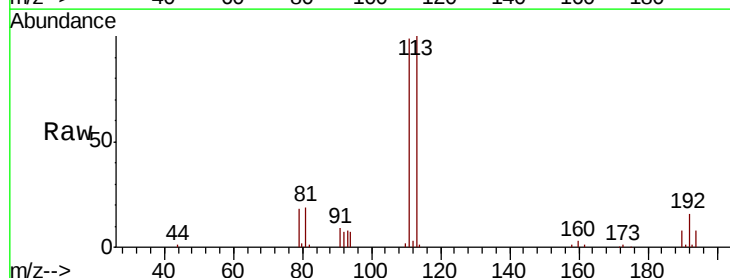
Tgt Ion:113 Resp: 117682

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

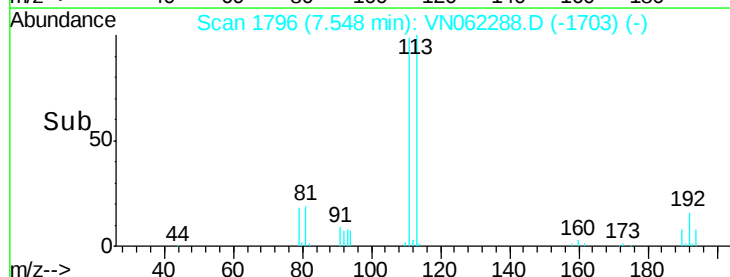
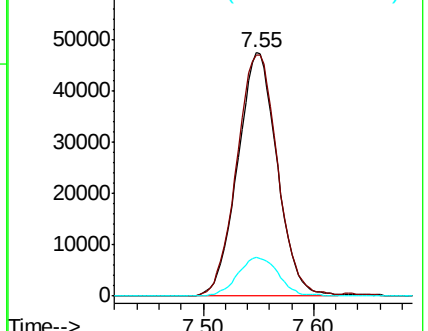
192 16.4 14.0 21.0

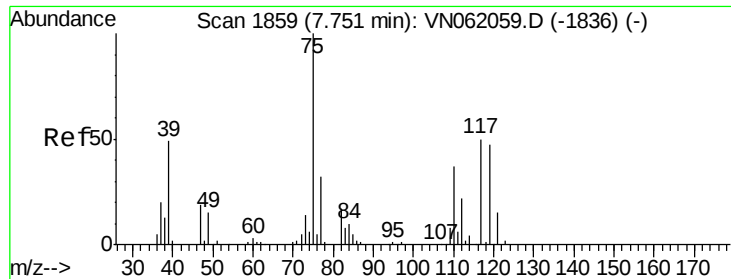


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

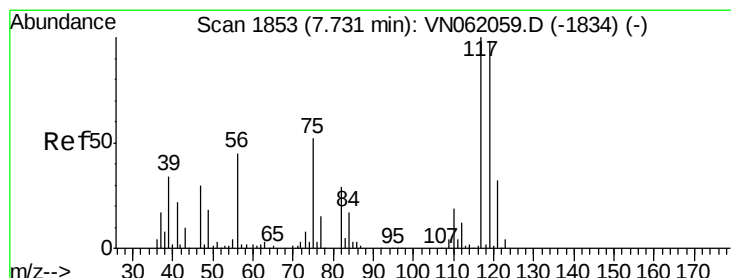
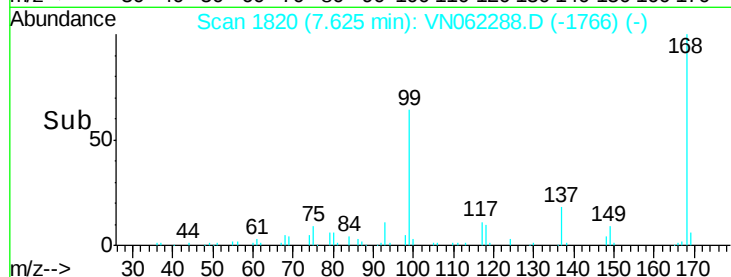
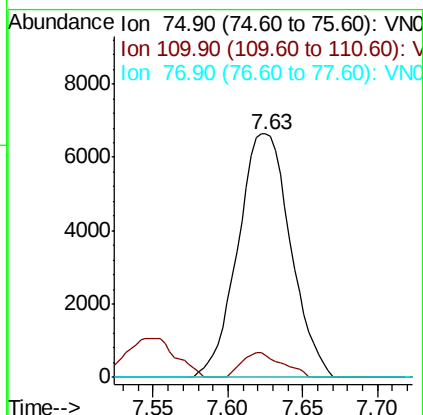
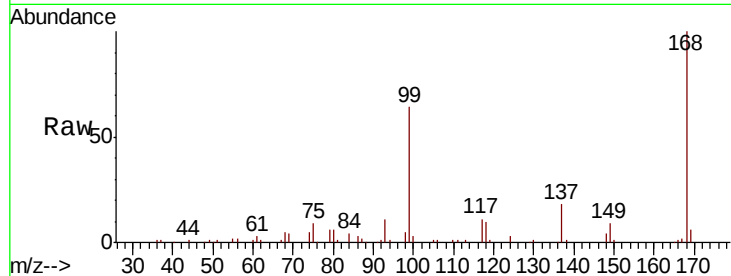




#36
 1,1-Dichloropropene
 Concen: 4.478 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062288.D
 Acq: 1 Jul 2020 13:38

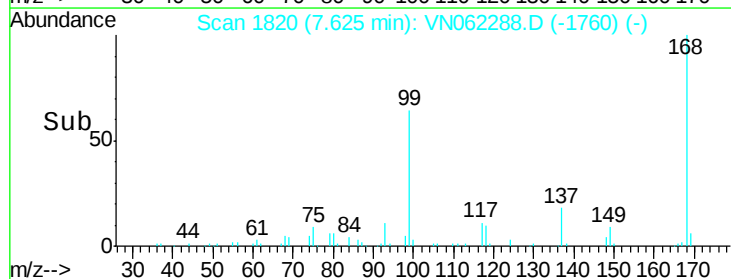
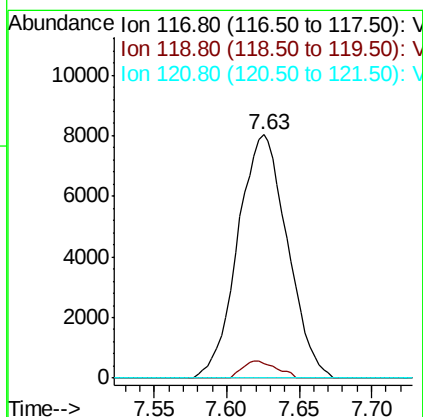
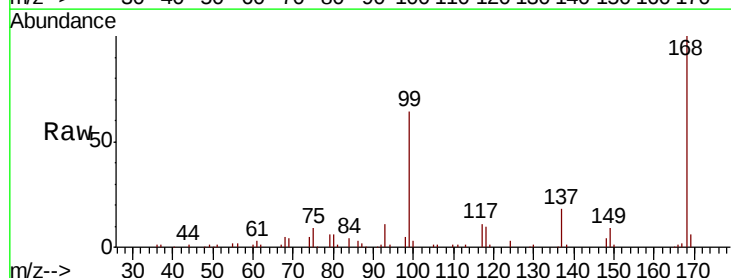
Instrument :
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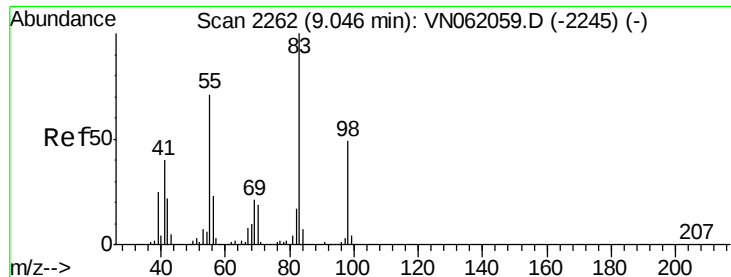
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.9	53.8#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.580 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062288.D
 Acq: 1 Jul 2020 13:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	78.2	117.2#
121	0.0	25.8	38.6#

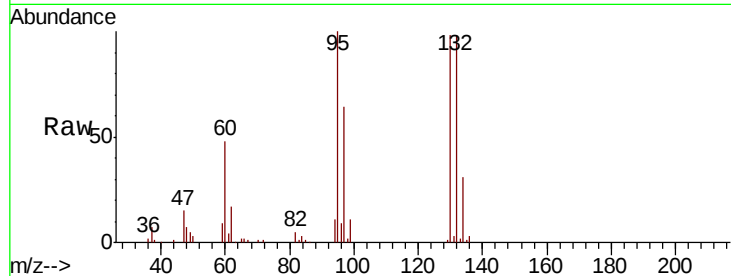




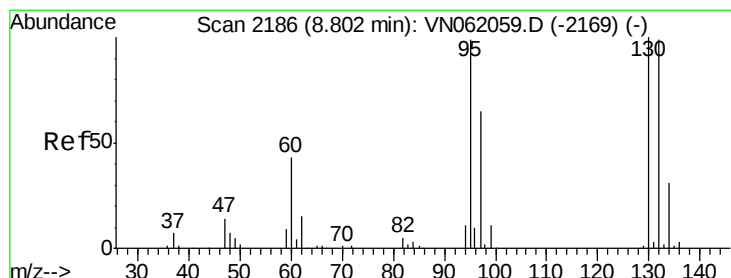
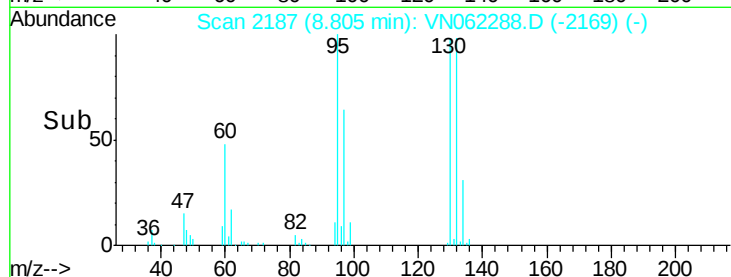
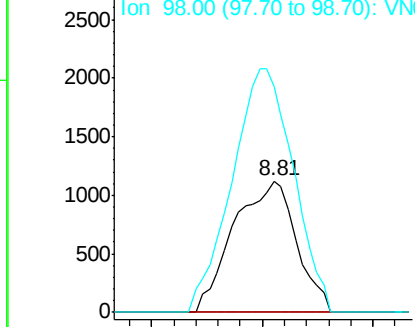
#39
Methvlcvclohexane
Concen: 0.554 ug/l
RT: 8.81 min Scan# 2187
Delta R.T. -0.24 min
Lab File: VN062288.D
Acq: 1 Jul 2020 13:38

Instrument :
MSVOA_N
ClientSampleId :
15BR-20200625DL

Tot Ion: 83 Resp: 2203
Ion Ratio Lower Upper
83 100
55 0.0 57.0 85.6#
98 171.9 39.0 58.6#

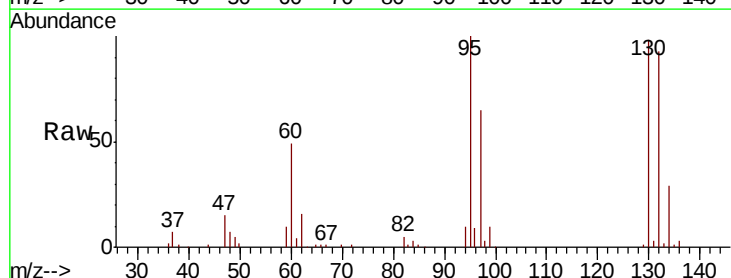


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

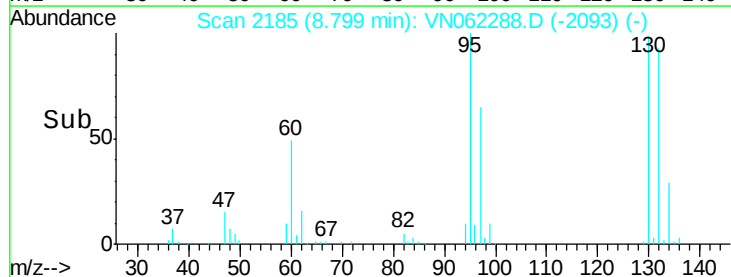
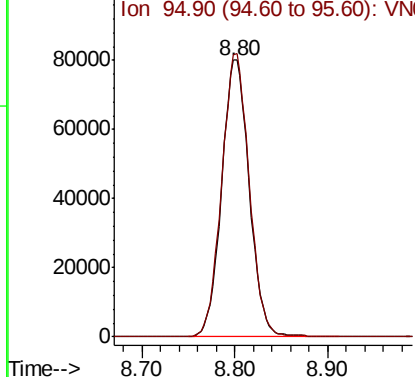


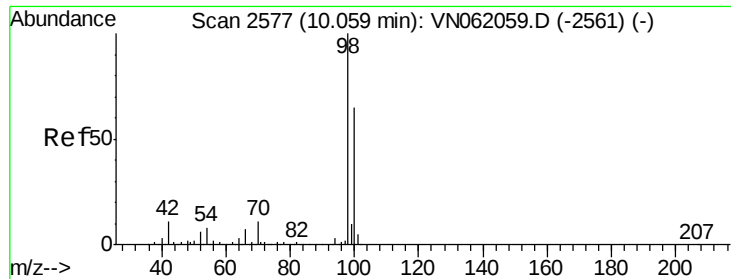
#44
Trichloroethene
Concen: 59.406 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062288.D
Acq: 1 Jul 2020 13:38

Tgt Ion:130 Resp: 165666
Ion Ratio Lower Upper
130 100
95 101.9 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: 50.375 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062288.D

Acq: 1 Jul 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

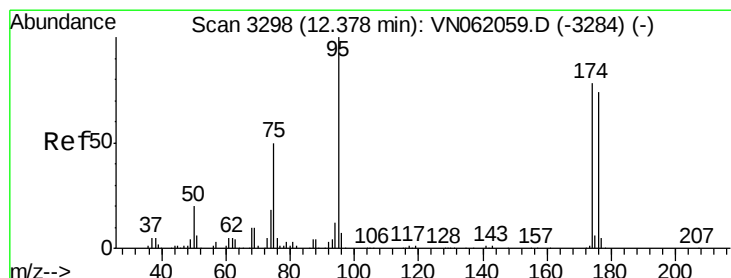
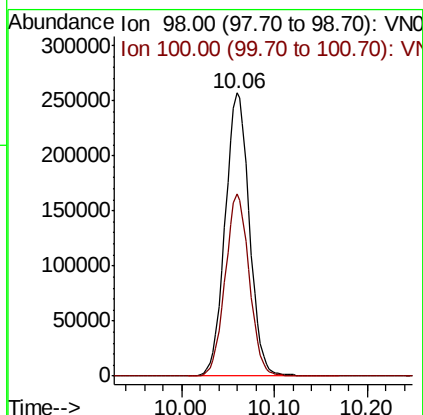
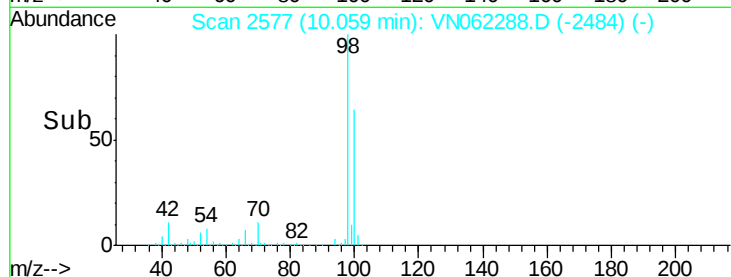
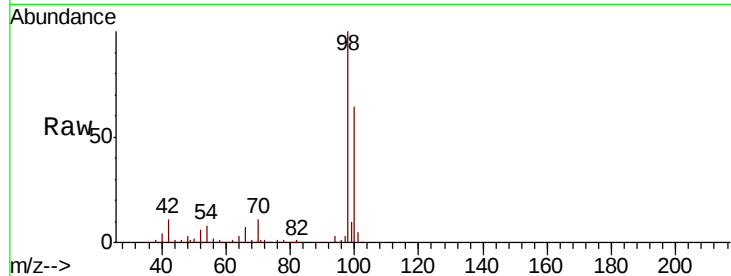
15BR-20200625DL

Tot Ion: 98 Resp: 466170

Ion Ratio Lower Upper

98 100

100 63.8 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 44.973 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062288.D

Acq: 1 Jul 2020 13:38

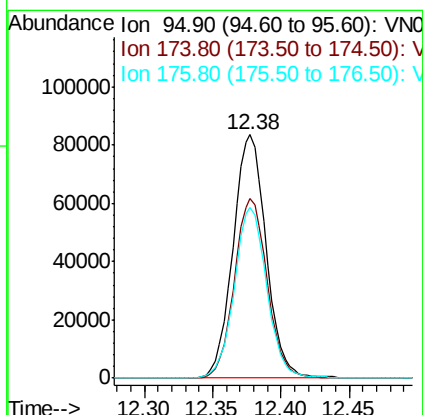
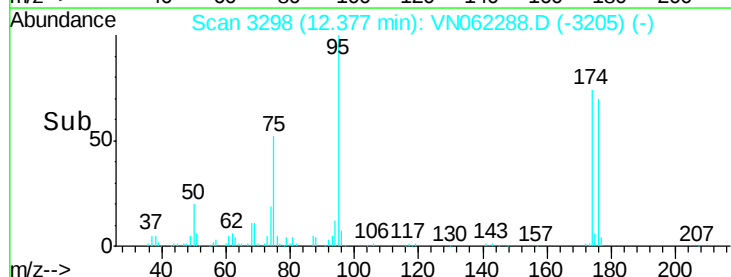
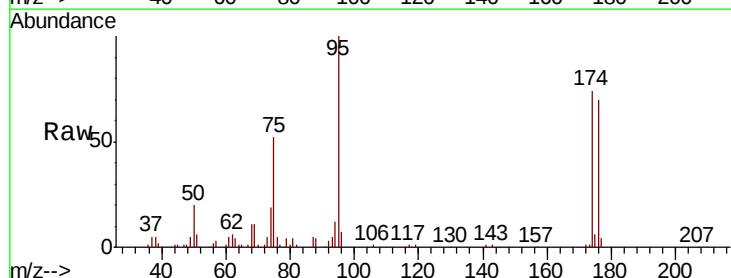
Tgt Ion: 95 Resp: 140610

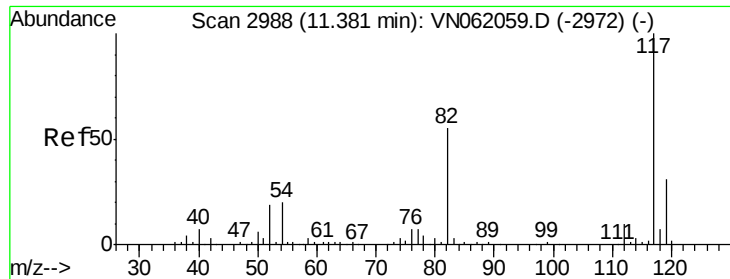
Ion Ratio Lower Upper

95 100

174 73.5 0.0 154.8

176 68.9 0.0 147.4

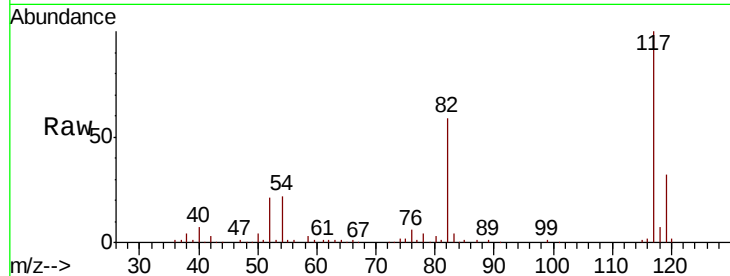




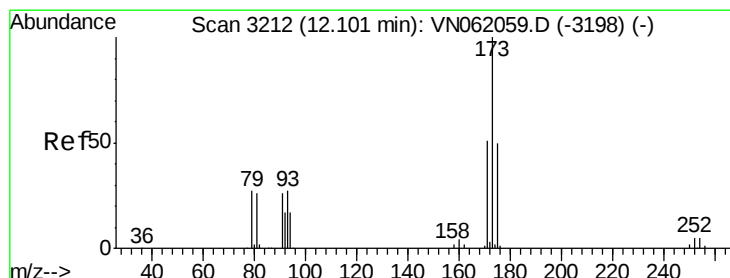
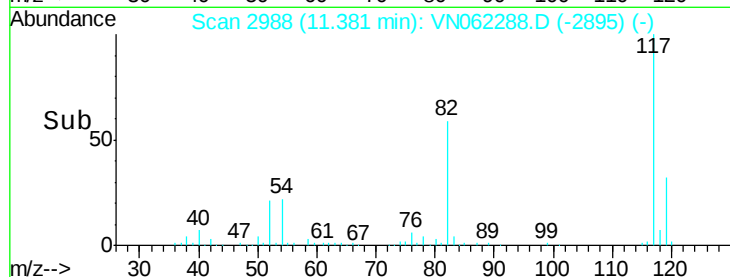
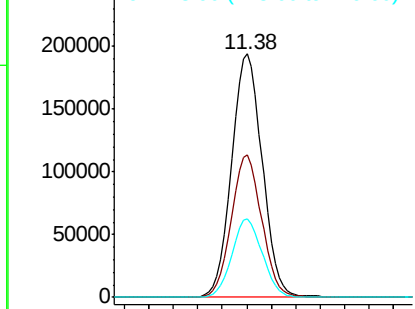
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062288.D
Acq: 1 Jul 2020 13:38

Instrument :
MSVOA_N
ClientSampleId :
15BR-20200625DL

Tot Ion:117 Resp: 339691
Ion Ratio Lower Upper
117 100
82 58.6 43.8 65.8
119 32.0 25.2 37.8

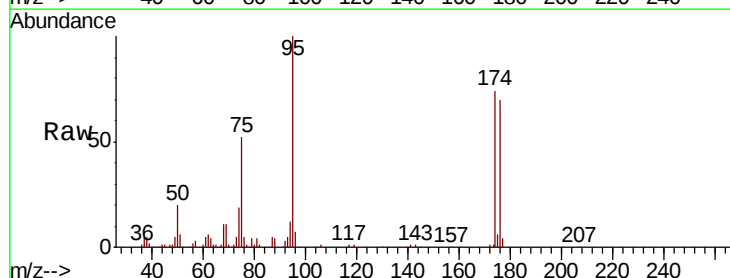


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

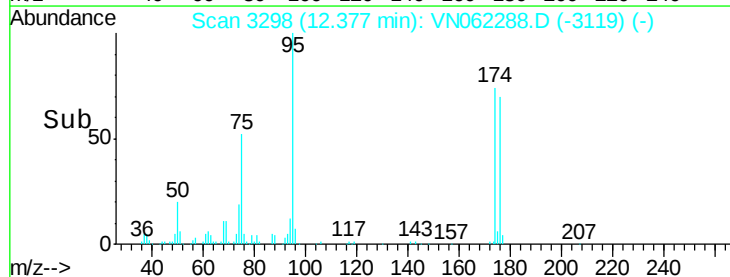
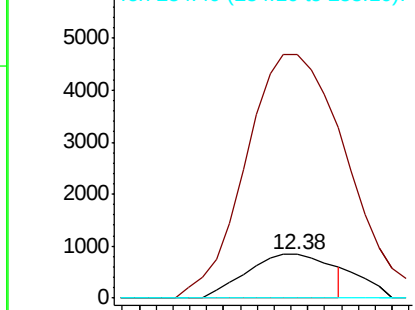


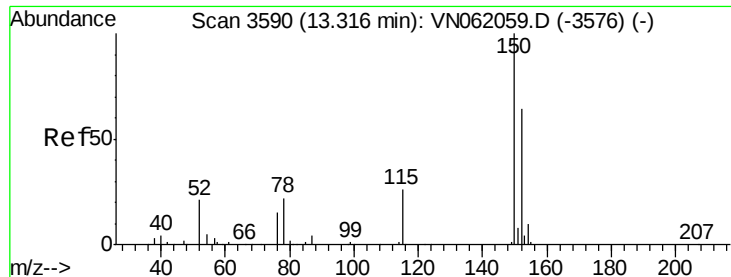
#71
Bromoform
Concen: 0.633 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062288.D
Acq: 1 Jul 2020 13:38

Tgt Ion:173 Resp: 1161
Ion Ratio Lower Upper
173 100
175 566.4 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: VN062288.D

Acq: 1 Jul 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

15BR-20200625DL

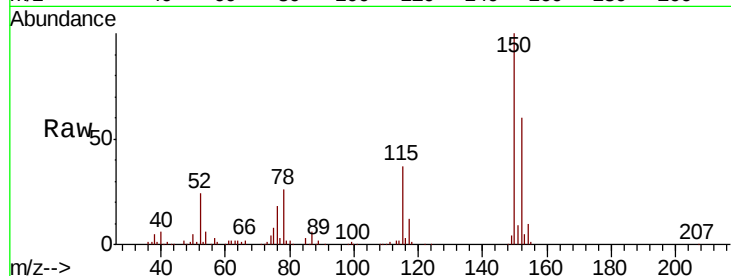
Tot Ion:152 Resp: 111909

Ion Ratio Lower Upper

152 100

115 61.6 29.5 88.5

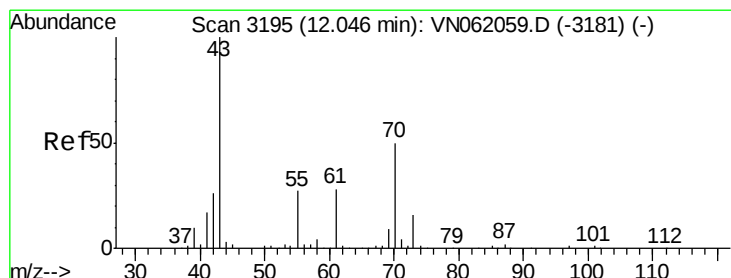
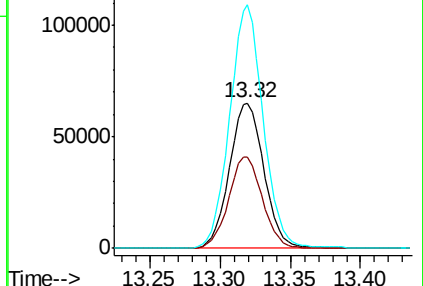
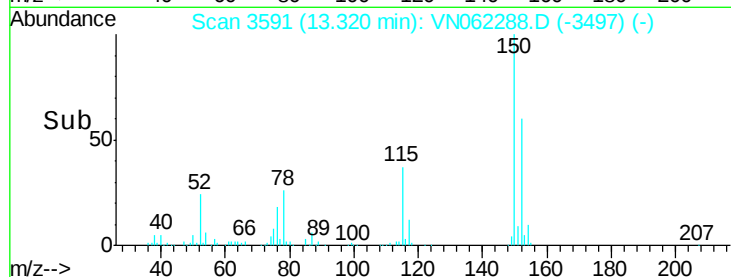
150 162.4 0.0 351.4



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



#74

N-ethyl acetate

Concen: 3.371 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062288.D

Acq: 1 Jul 2020 13:38

Tgt Ion: 43 Resp: 95

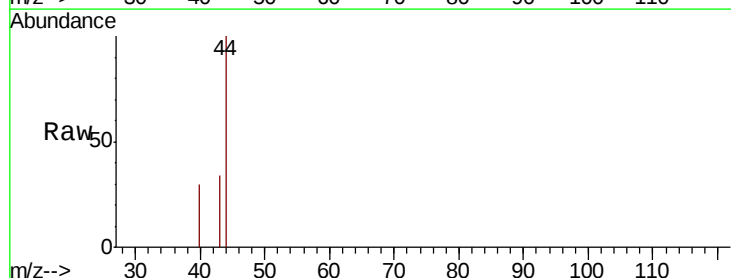
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

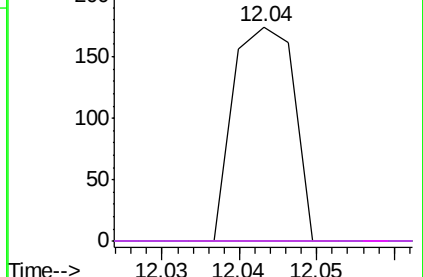
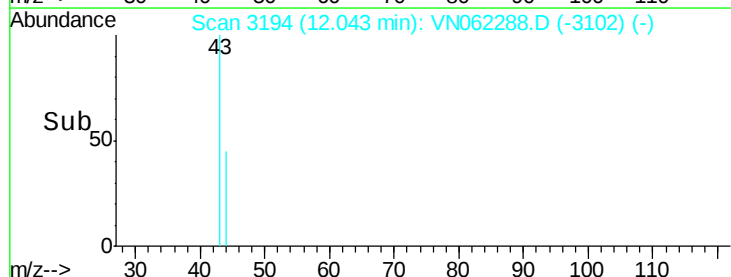


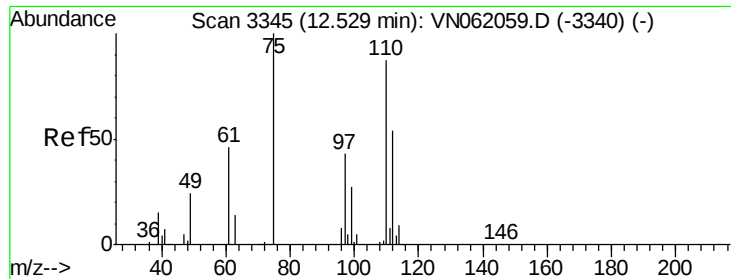
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

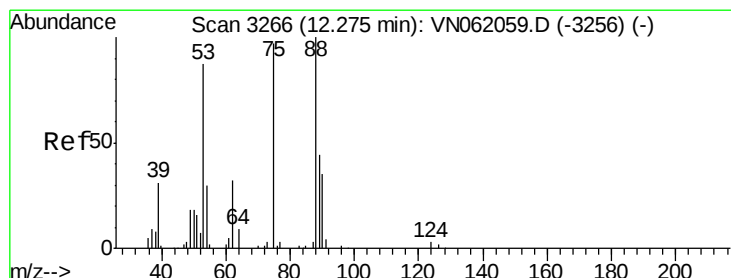
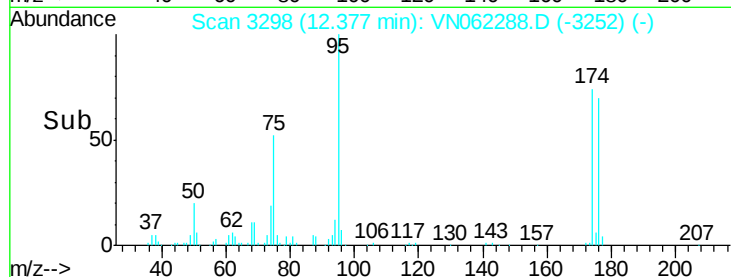
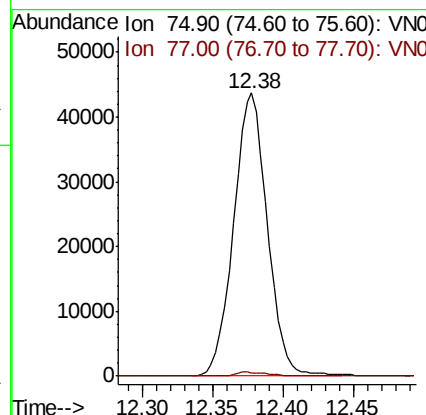
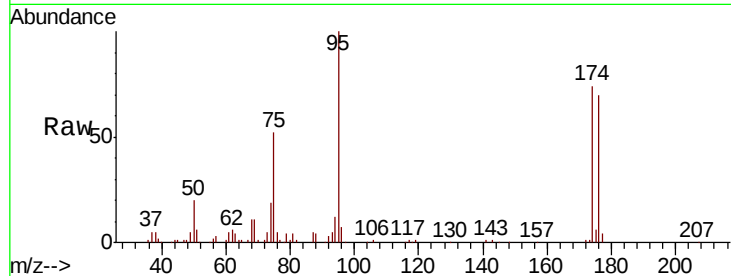




#76
 1,2,3-Trichloropropane
 Concen: 27.689 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062288.D
 Acq: 1 Jul 2020 13:38

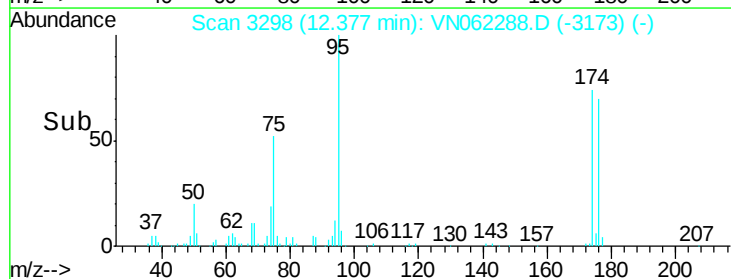
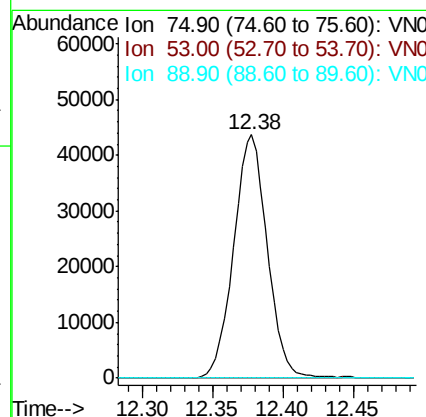
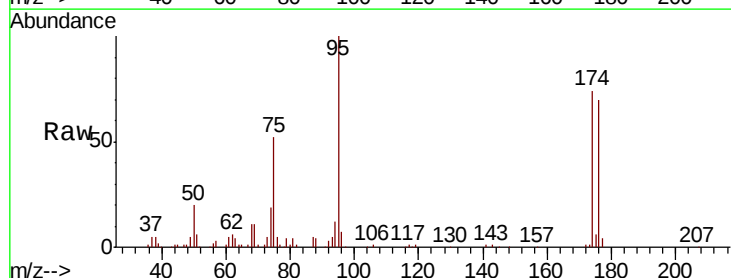
Instrument :
 MSVOA_N
 ClientSampleId :
 15BR-20200625DL

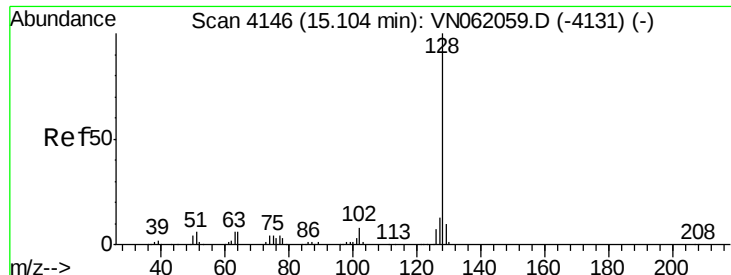
Tot Ion: 75 Resp: 72945
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.863 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062288.D
 Acq: 1 Jul 2020 13:38

Tgt Ion: 75 Resp: 72945
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.0 108.0#
 89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 4.108 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062288.D

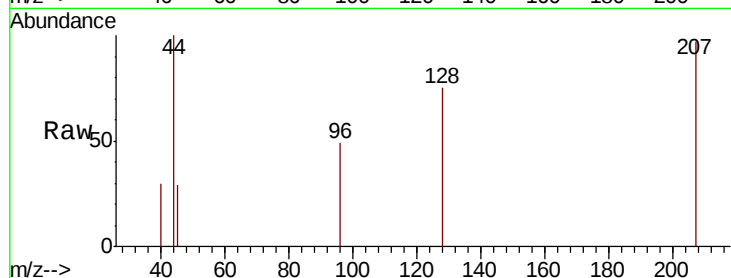
Acq: 1 Jul 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

15BR-20200625DL



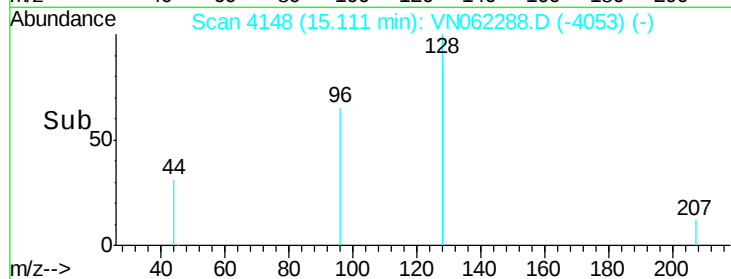
Tot Ion:128 Resp: 657

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

