

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070220\
 Data File : VN062337.D
 Acq On : 2 Jul 2020 16:53
 Operator : JC/MD
 Sample : VN0702MBL01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702MBL01

Quant Time: Jul 03 00:33:27 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	7.62	168	134002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	263100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	253740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	90045	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	108031	57.45	ug/l	0.00
Spiked Amount			Recovery	=	114.90%	
35) Dibromofluoromethane	7.54	113	85695	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
50) Toluene-d8	10.06	98	343879	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.38	95	108815	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	

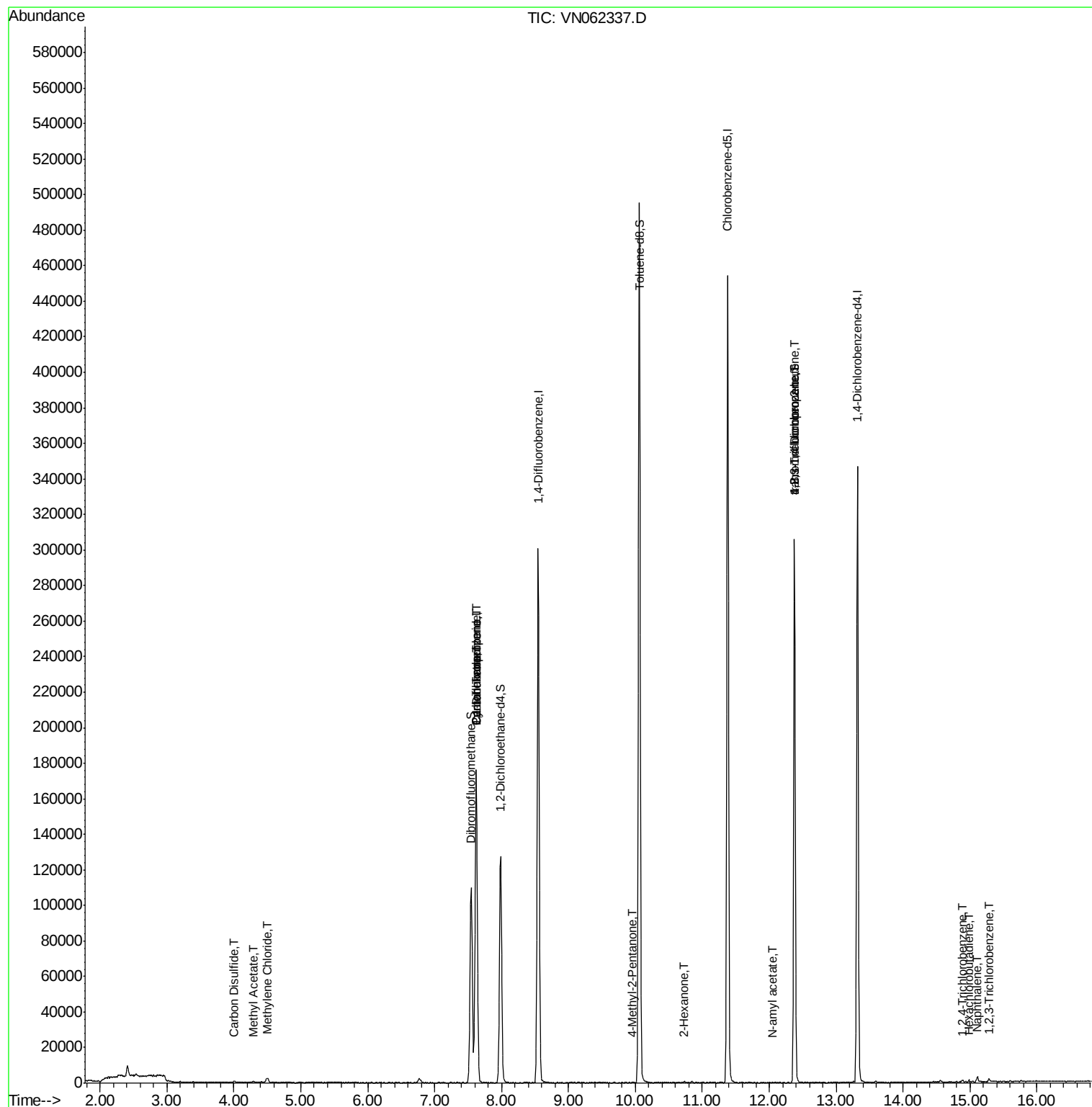
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	236	Below Cal	#	41
16) Acetone	3.79	43	483	Below Cal	#	40
17) Carbon Disulfide	4.00	76	1251	0.334	ug/l #	75
18) Methyl Acetate	4.30	43	891	0.596	ug/l #	46
20) Methylene Chloride	4.50	84	2167	1.043	ug/l	94
31) Cyclohexane	7.63	56	3409	1.312	ug/l #	14
36) 1,1-Dichloropropene	7.62	75	12295	4.649	ug/l #	48
38) Carbon Tetrachloride	7.62	117	14157	5.678	ug/l #	16
51) 4-Methyl-2-Pentanone	9.96	43	591	0.283	ug/l #	33
59) 2-Hexanone	10.72	43	657	0.436	ug/l #	46
74) N-amyl acetate	12.05	43	107	3.382	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	56456	26.634	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	56456	77.780	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.89	180	627	0.487	ug/l #	86
94) Hexachlorobutadiene	14.99	225	272	0.487	ug/l	76
95) Naphthalene	15.11	128	3676	4.783	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.29	180	992	0.754	ug/l	75

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062337.D

Acq: 2 Jul 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

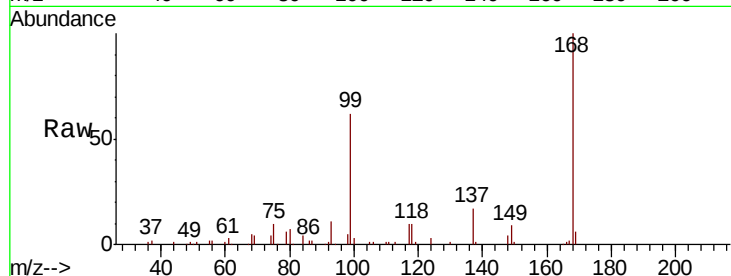
VN0702MBL01

Tot Ion:168 Resp: 134002

Ion Ratio Lower Upper

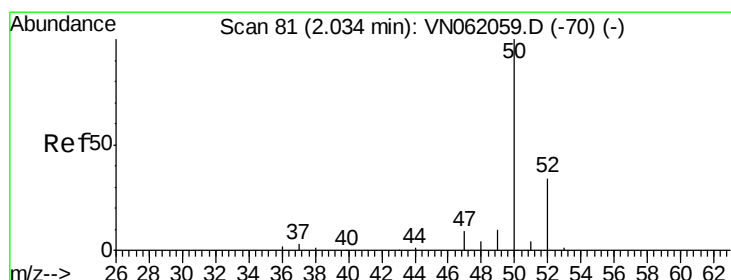
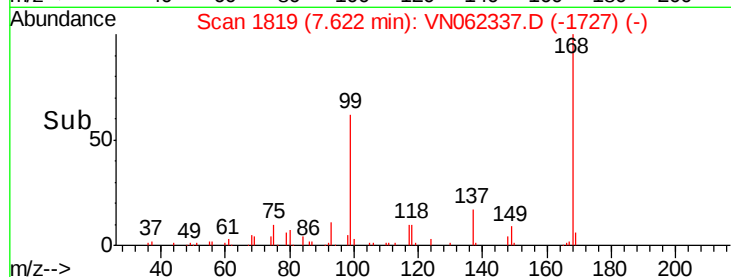
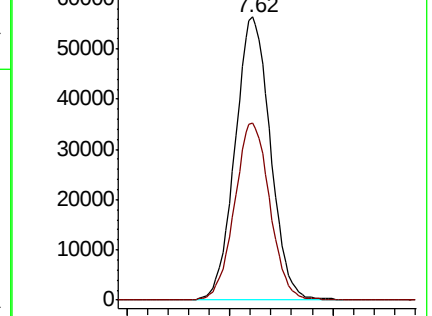
168 100

99 62.5 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 79

Delta R.T. -0.01 min

Lab File: VN062337.D

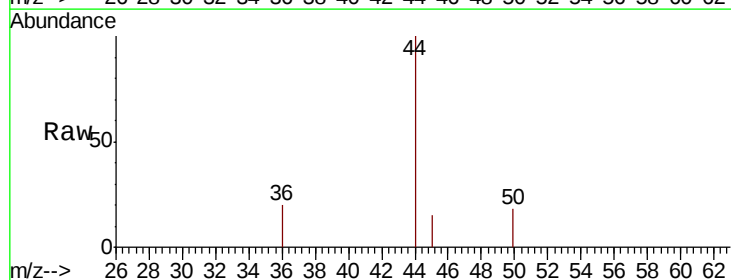
Acq: 2 Jul 2020 16:53

Tgt Ion: 50 Resp: 236

Ion Ratio Lower Upper

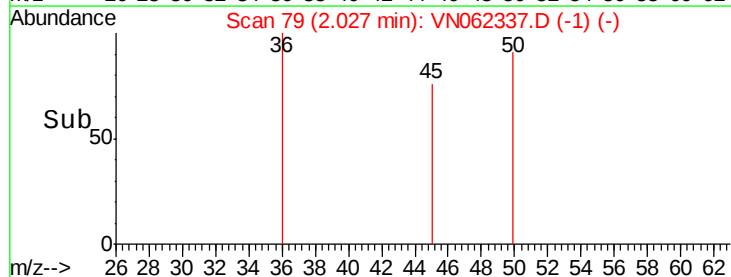
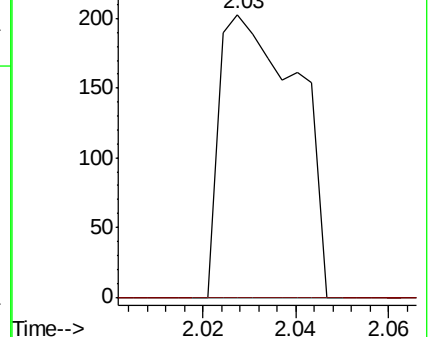
50 100

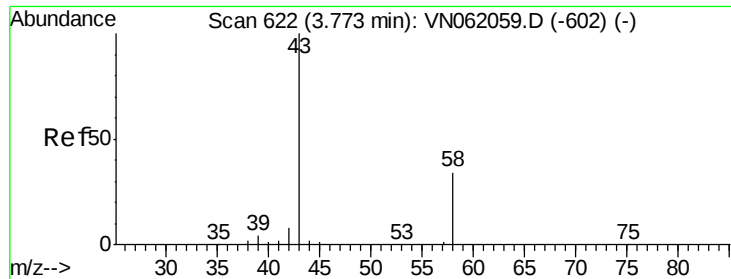
52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062337.D

Acq: 2 Jul 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

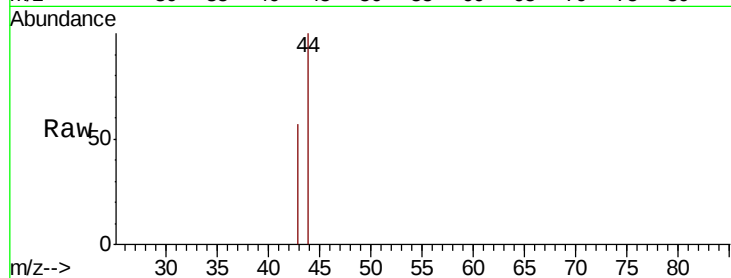
VN0702MBL01

Tot Ion: 43 Resp: 483

Ion Ratio Lower Upper

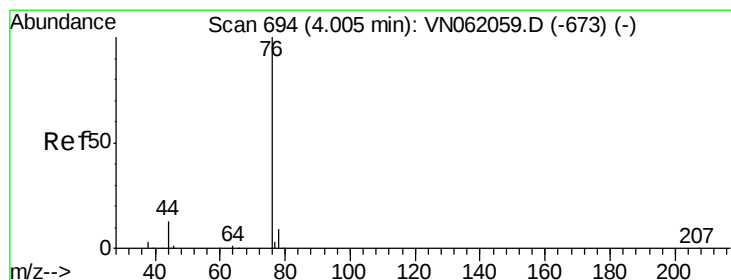
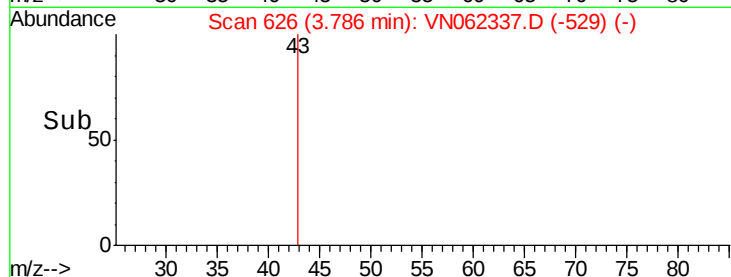
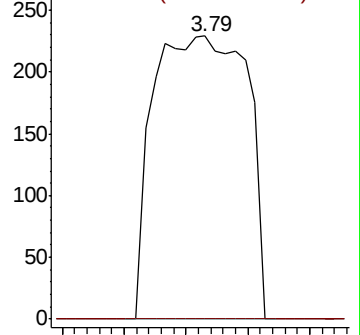
43 100

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



#17

Carbon Disulfide

Concen: 0.334 ug/l

RT: 4.00 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN062337.D

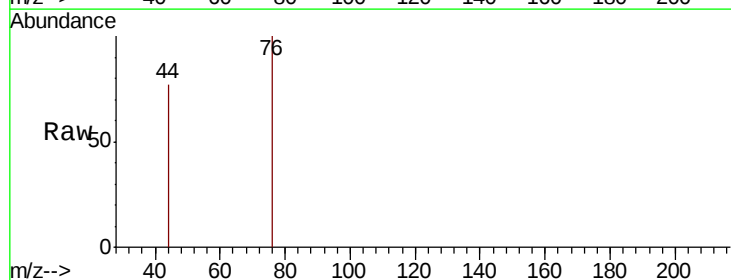
Acq: 2 Jul 2020 16:53

Tgt Ion: 76 Resp: 1251

Ion Ratio Lower Upper

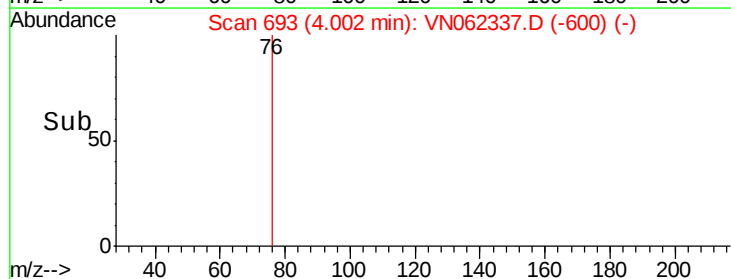
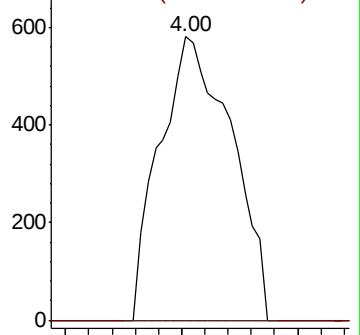
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

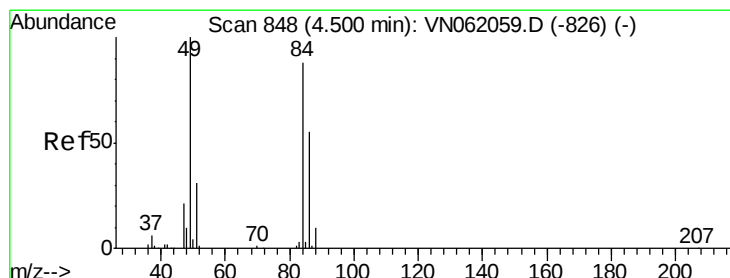
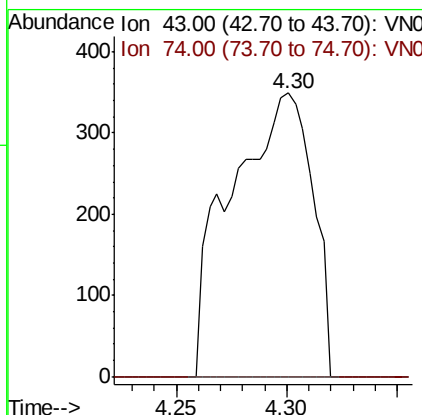
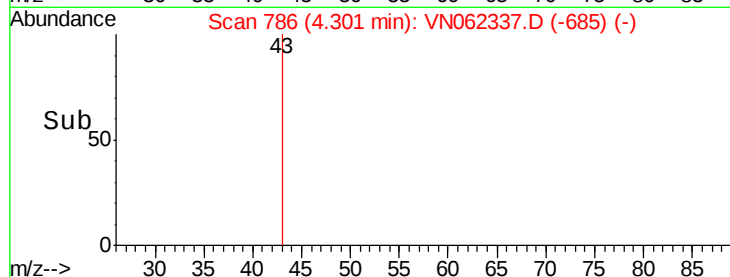
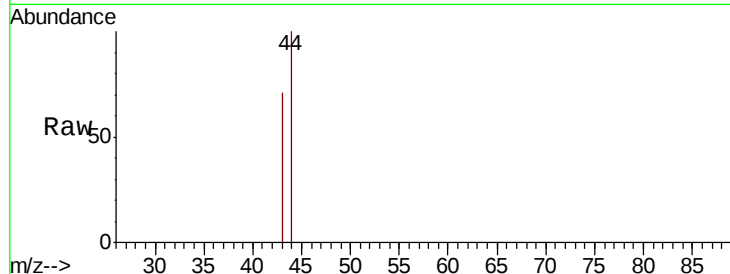




#18
Methvl Acetate
Concen: 0.596 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.03 min
Lab File: VN062337.D
Acq: 2 Jul 2020 16:53

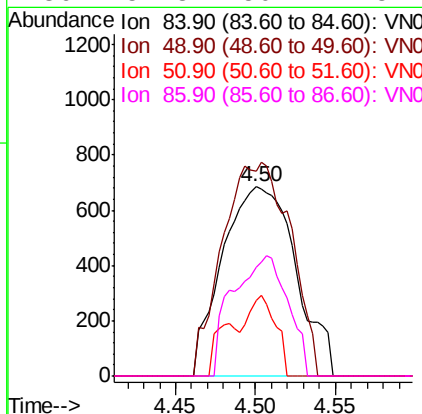
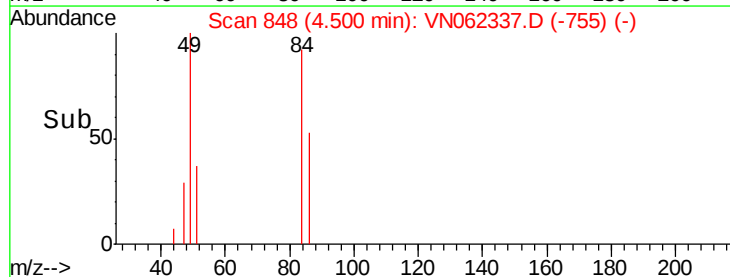
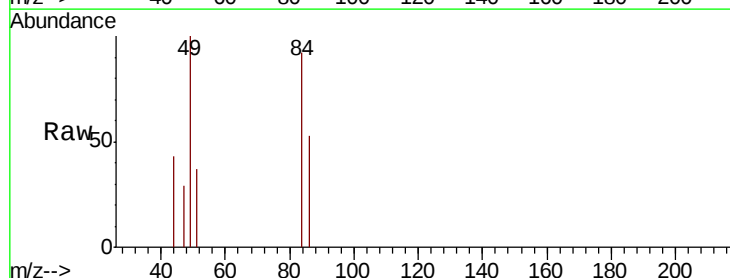
Instrument :
MSVOA_N
ClientSampleId :
VN0702MBL01

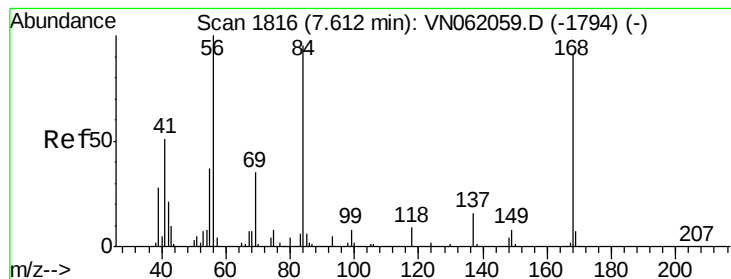
Tot Ion: 43 Resp: 891
Ion Ratio Lower Upper
43 100
74 0.0 22.9 34.3#



#20
Methylene Chloride
Concen: 1.043 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062337.D
Acq: 2 Jul 2020 16:53

Tgt Ion: 84 Resp: 2167
Ion Ratio Lower Upper
84 100
49 108.5 90.6 136.0
51 39.9 27.8 41.8
86 57.8 50.1 75.1





#31

Cyclohexane

Concen: 1.312 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062337.D

Acq: 2 Jul 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VN0702MBL01

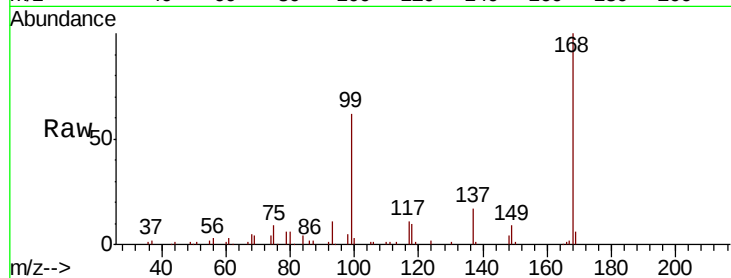
Tot Ion: 56 Resp: 3409

Ion Ratio Lower Upper

56 100

69 155.5 28.0 42.0#

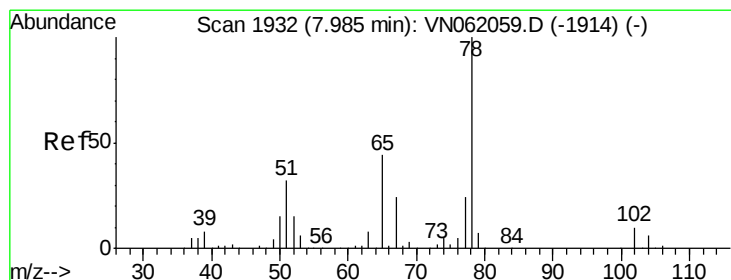
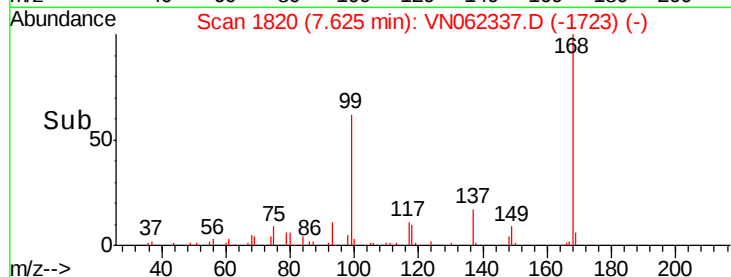
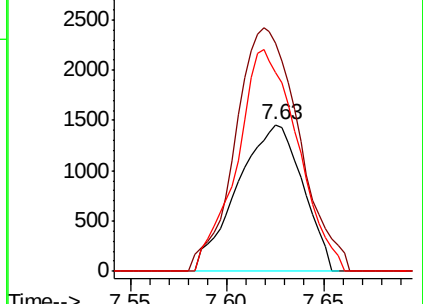
84 135.6 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062059.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN062059.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN062059.D (-1794) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.448 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062337.D

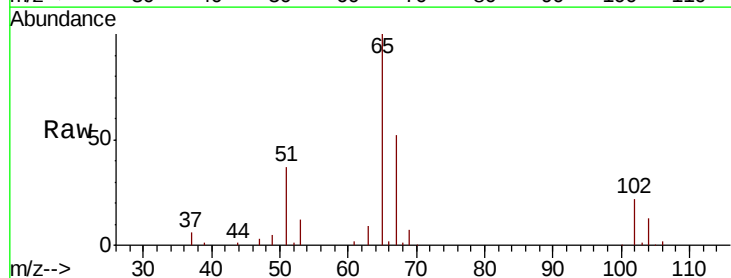
Acq: 2 Jul 2020 16:53

Tgt Ion: 65 Resp: 108031

Ion Ratio Lower Upper

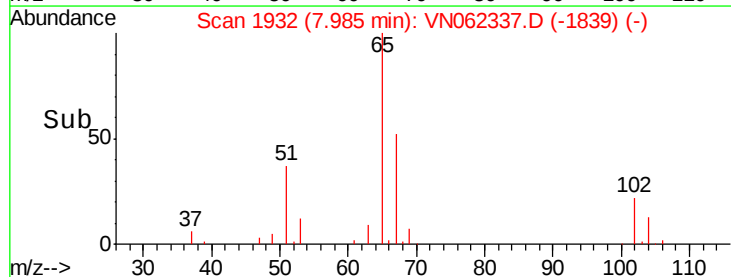
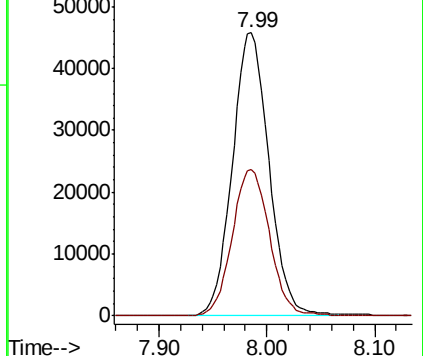
65 100

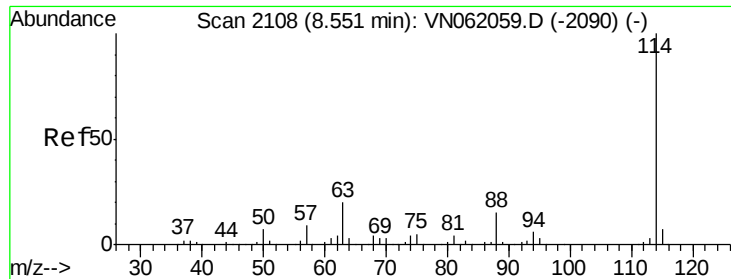
67 52.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062059.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN062059.D (-1914) (-)

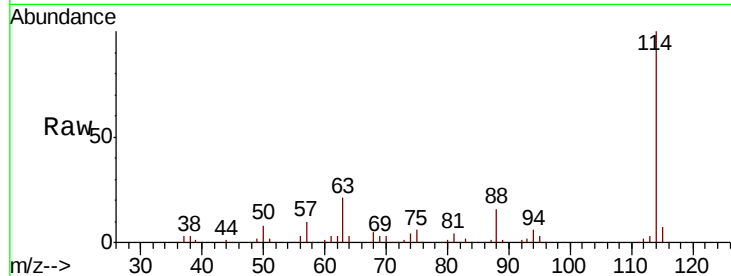




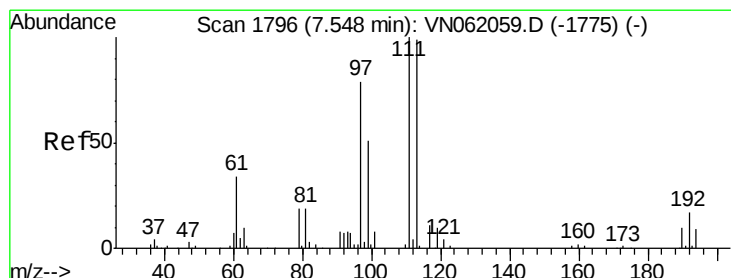
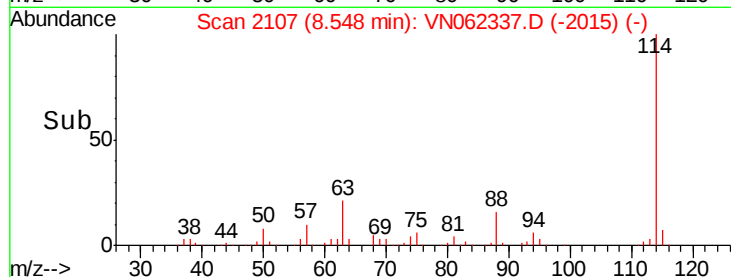
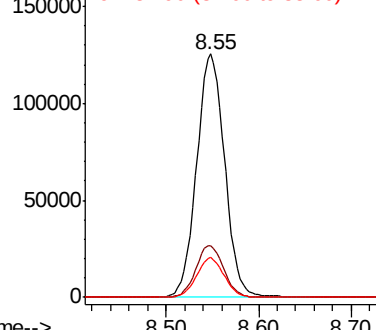
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2107
Delta R.T. -0.00 min
Lab File: VN062337.D
Acq: 2 Jul 2020 16:53

Instrument :
MSVOA_N
ClientSampleId :
VN0702MBL01

Tot Ion:114 Resp: 263100
Ion Ratio Lower Upper
114 100
63 21.2 0.0 39.2
88 16.3 0.0 30.8

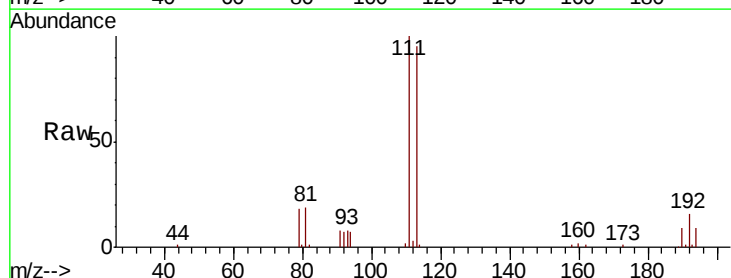


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

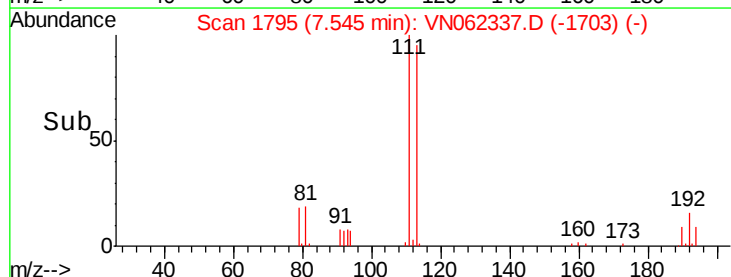
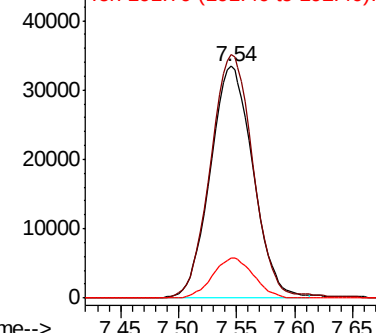


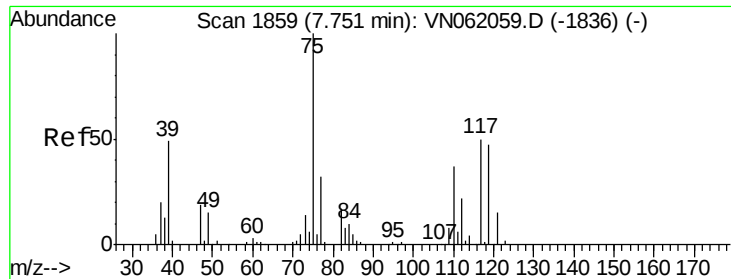
#35
Dibromofluoromethane
Concen: 50.770 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN062337.D
Acq: 2 Jul 2020 16:53

Tgt Ion:113 Resp: 85695
Ion Ratio Lower Upper
113 100
111 105.0 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

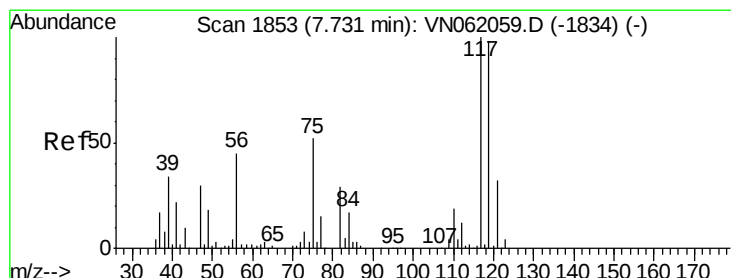
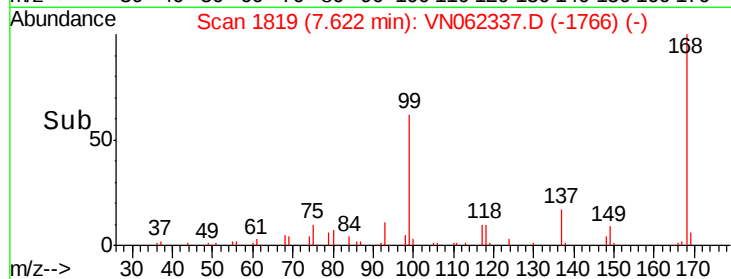
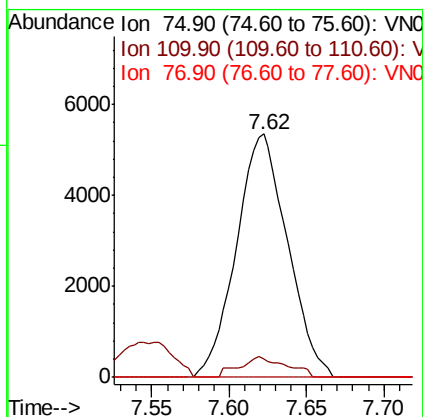
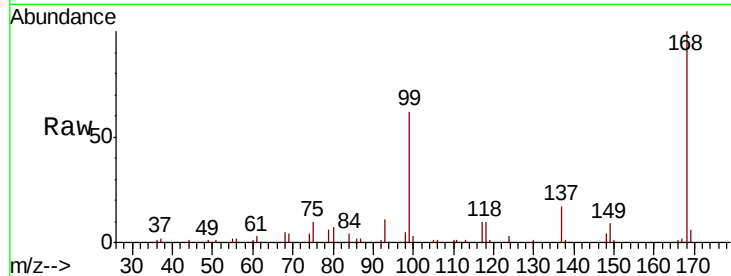




#36
 1,1-Dichloropropene
 Concen: 4.649 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062337.D
 Acq: 2 Jul 2020 16:53

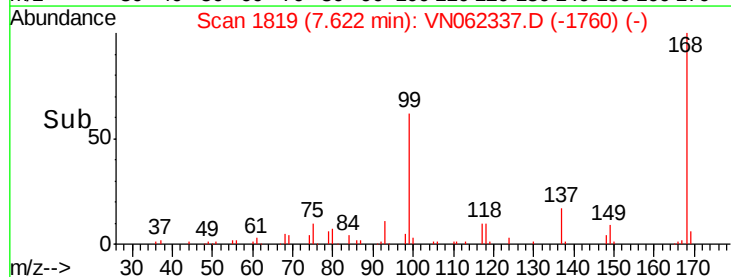
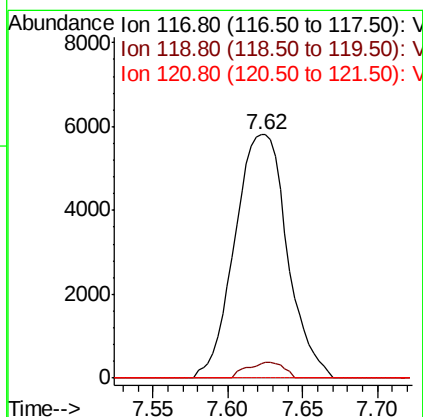
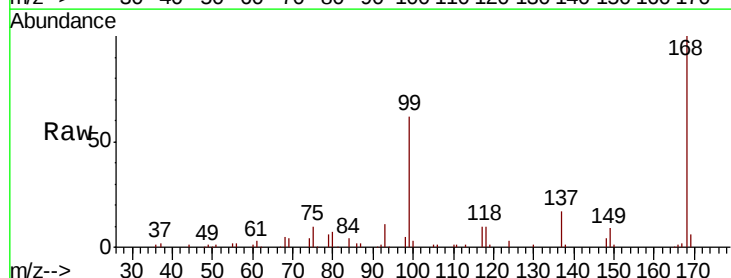
Instrument :
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 VN0702MBL01

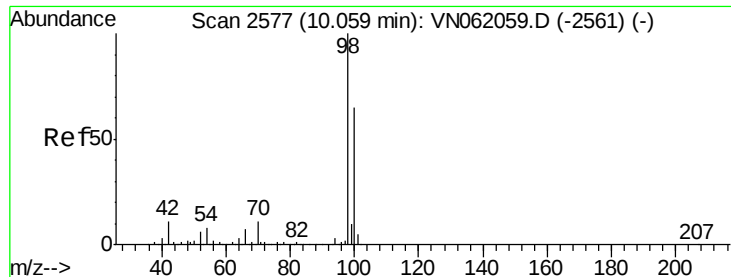
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.9	53.8#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.678 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062337.D
 Acq: 2 Jul 2020 16:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	78.2	117.2#
121	0.0	25.8	38.6#





#50

Toluene-d8

Concen: 50.967 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062337.D

Acq: 2 Jul 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

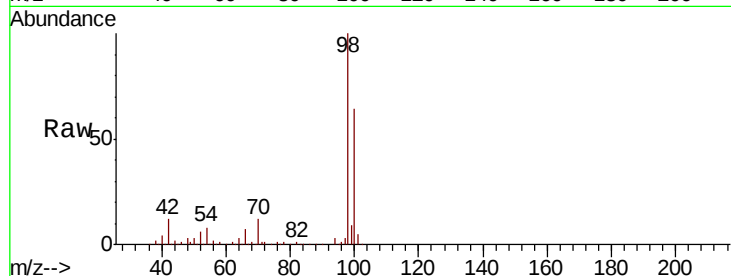
VN0702MBL01

Tot Ion: 98 Resp: 343879

Ion Ratio Lower Upper

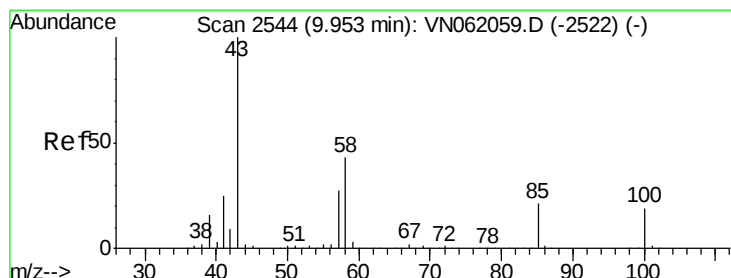
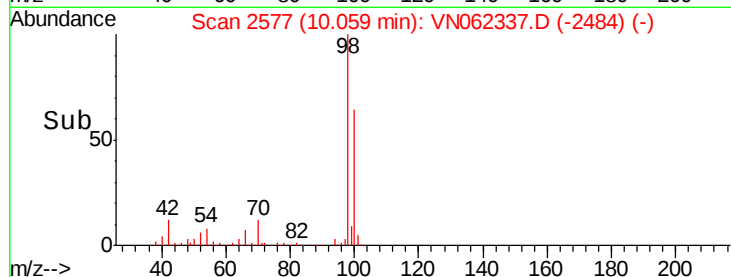
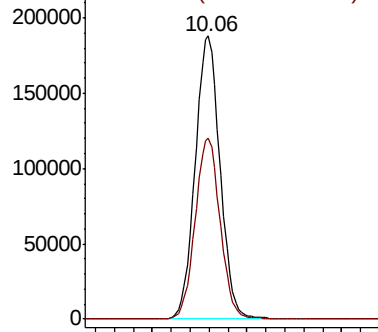
98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.283 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062337.D

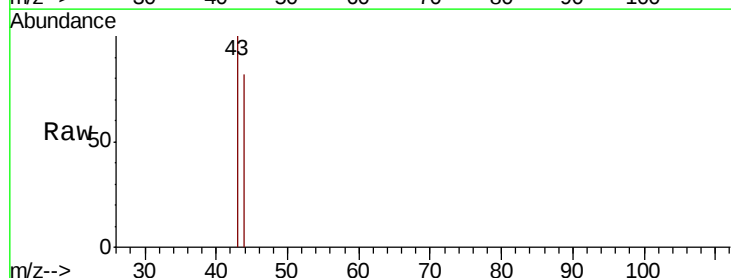
Acq: 2 Jul 2020 16:53

Tgt Ion: 43 Resp: 591

Ion Ratio Lower Upper

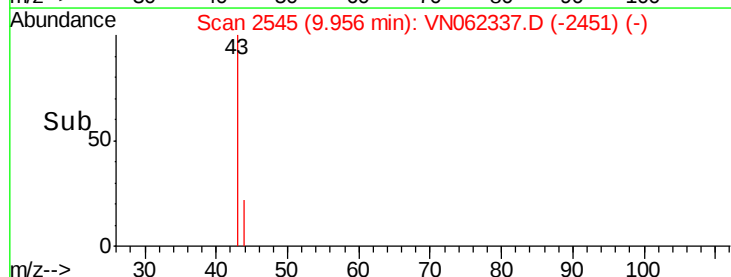
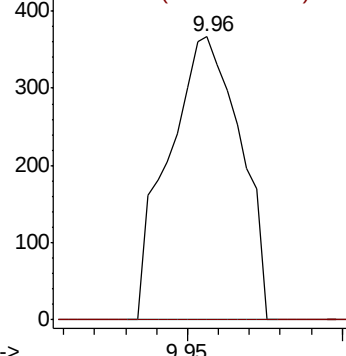
43 100

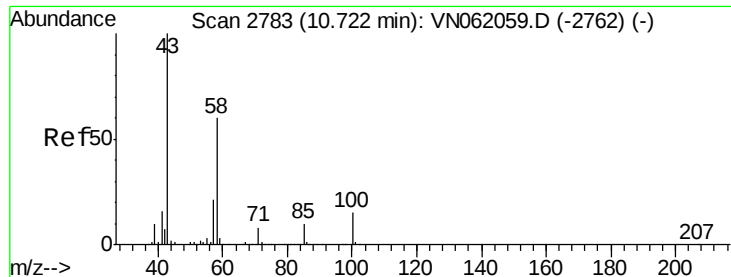
58 0.0 34.2 51.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#59

2-Hexanone

Concen: 0.436 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VN062337.D

Acq: 2 Jul 2020 16:53

Instrument :

MSVOA_N

ClientSampled :

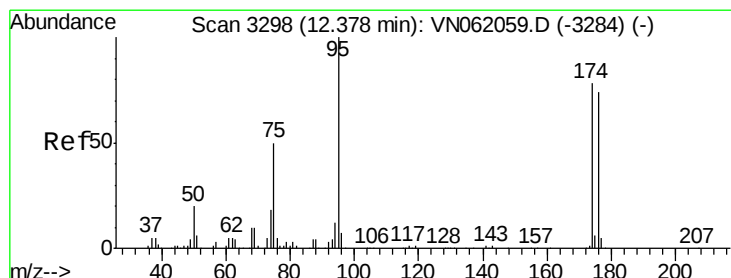
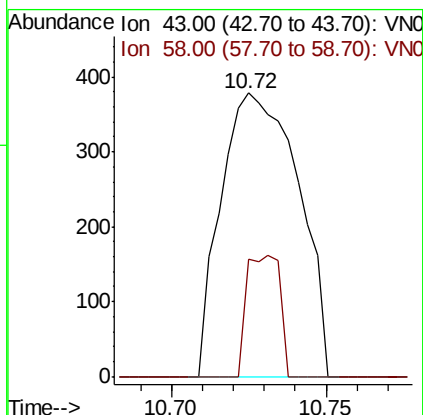
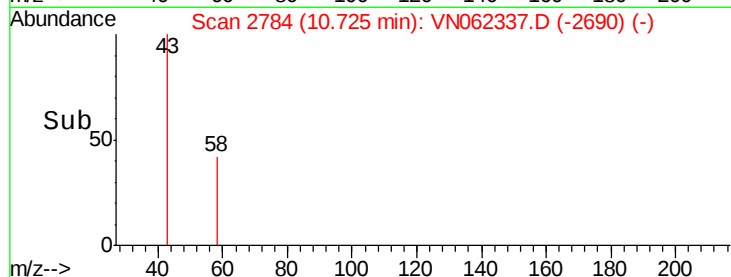
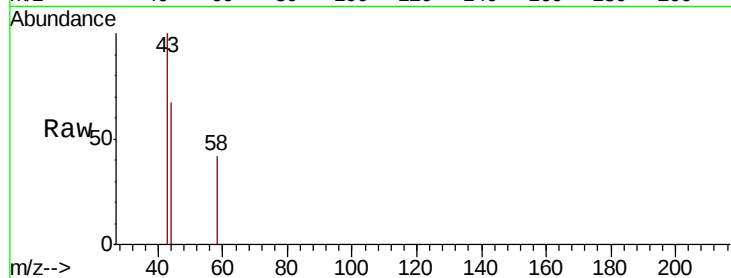
VN0702MBL01

Tot Ion: 43 Resp: 657

Ion Ratio Lower Upper

43 100

58 18.4 29.5 88.5#



#62

4-Bromofluorobenzene

Concen: 47.735 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062337.D

Acq: 2 Jul 2020 16:53

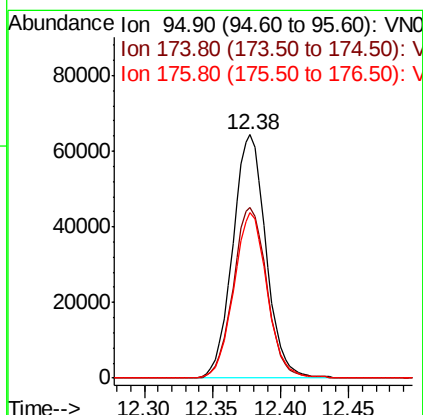
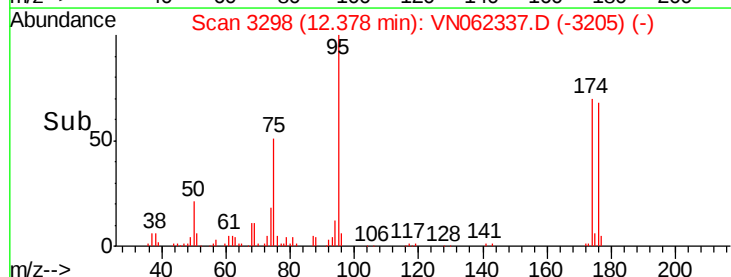
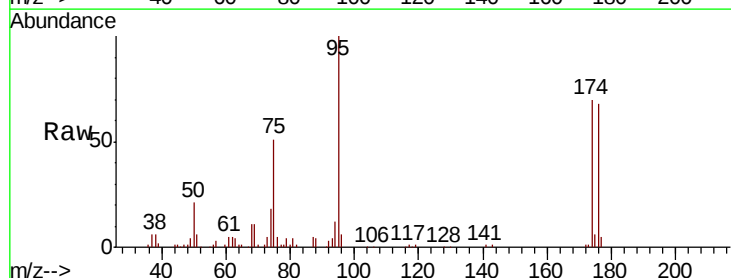
Tgt Ion: 95 Resp: 108815

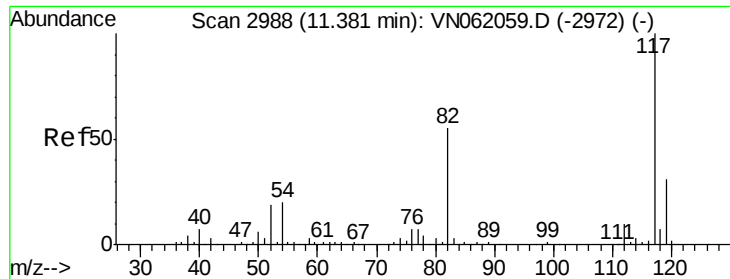
Ion Ratio Lower Upper

95 100

174 71.2 0.0 154.8

176 68.3 0.0 147.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2987

Delta R.T. -0.00 min

Lab File: VN062337.D

Acq: 2 Jul 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

VN0702MBL01

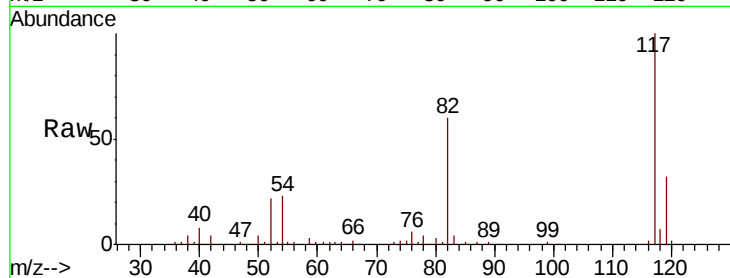
Tot Ion:117 Resp: 253740

Ion Ratio Lower Upper

117 100

82 59.8 43.8 65.8

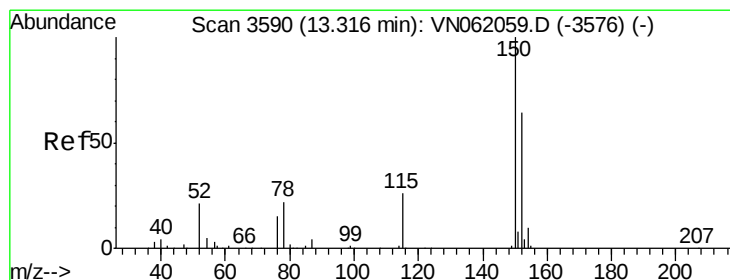
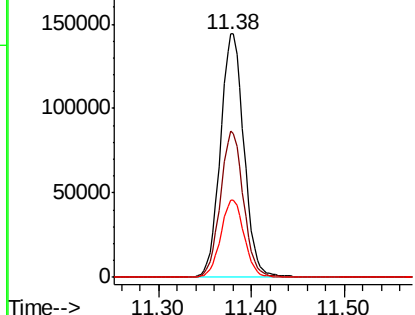
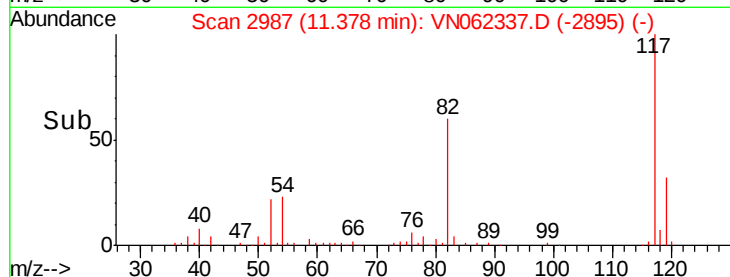
119 31.7 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

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: VN062337.D

Acq: 2 Jul 2020 16:53

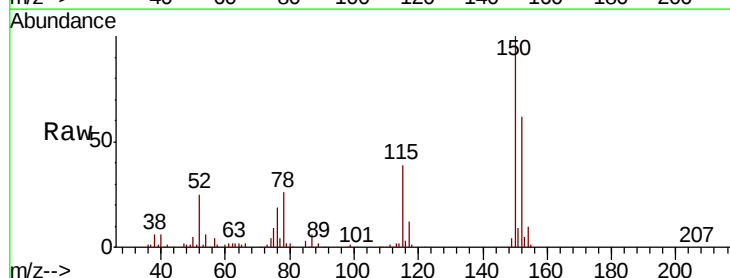
Tgt Ion:152 Resp: 90045

Ion Ratio Lower Upper

152 100

115 62.2 29.5 88.5

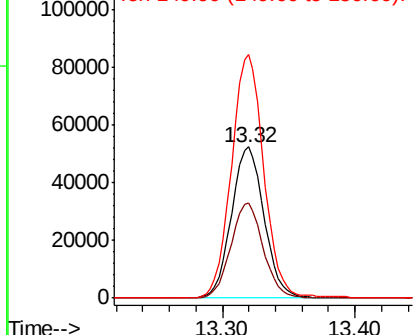
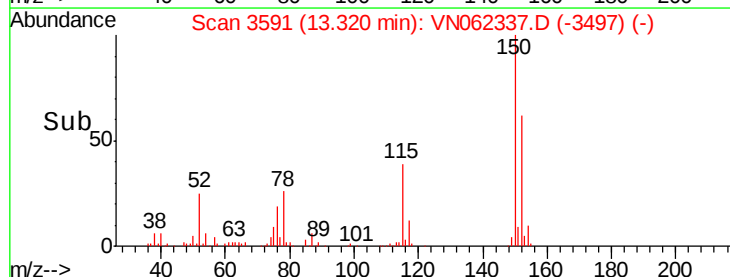
150 159.6 0.0 351.4

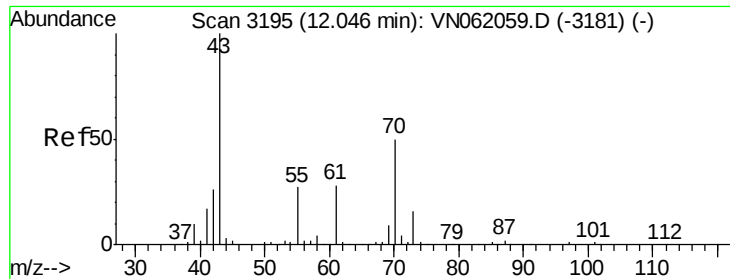


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 3.382 ug/l

RT: 12.05 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VN062337.D

Acq: 2 Jul 2020 16:53

Instrument :

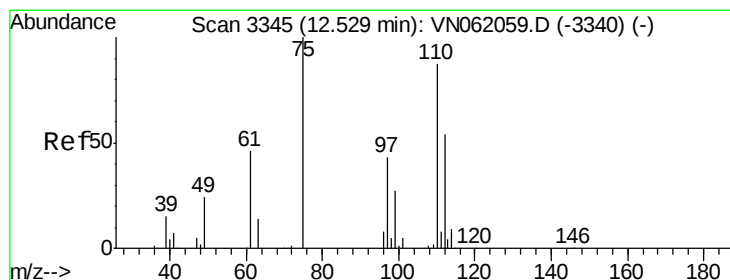
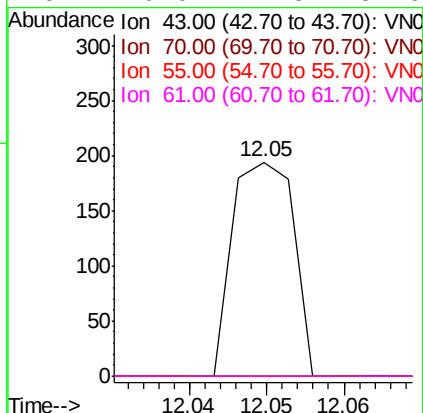
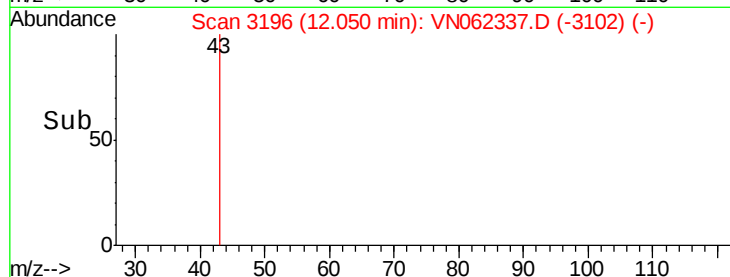
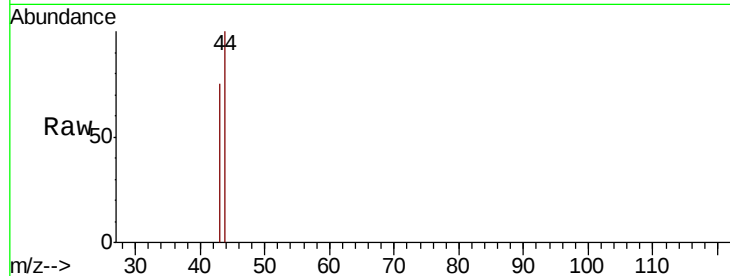
MSVOA_N

ClientSampleId :

VN0702MBL01

Tot Ion: 43 Resp: 107

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#



#76

1,2,3-Trichloropropane

Concen: 26.634 ug/l

RT: 12.38 min Scan# 3298

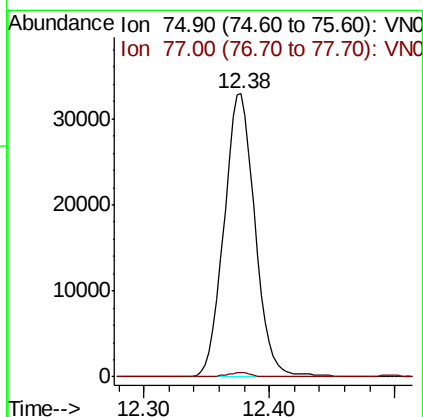
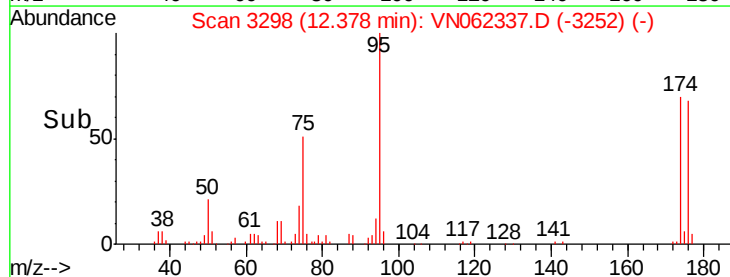
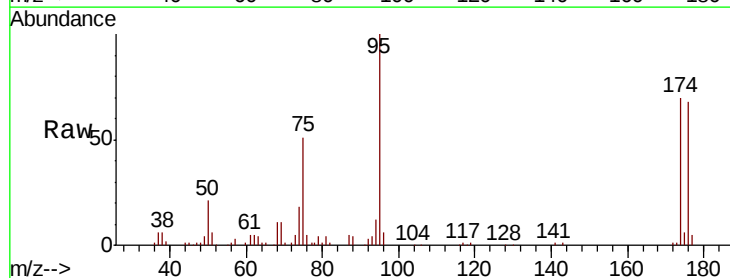
Delta R.T. -0.15 min

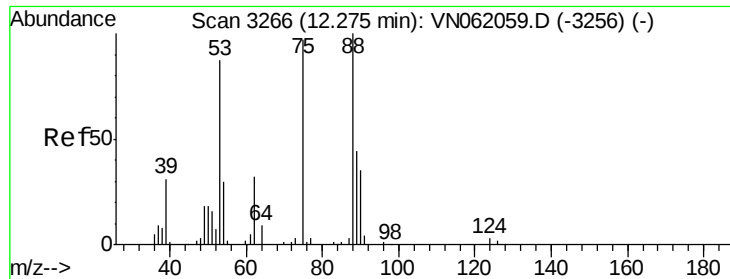
Lab File: VN062337.D

Acq: 2 Jul 2020 16:53

Tgt Ion: 75 Resp: 56456

Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 77.780 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062337.D

Acq: 2 Jul 2020 16:53

Instrument :

MSVOA_N

ClientSampled :

VN0702MBL01

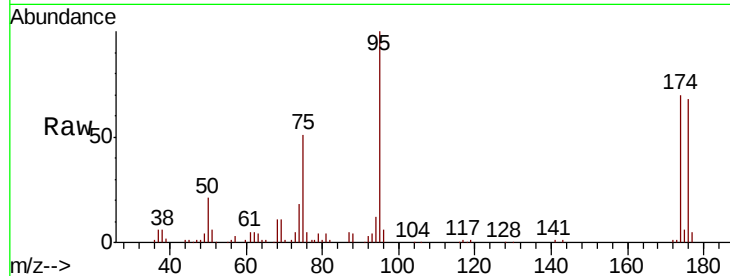
Tot Ion: 75 Resp: 56456

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

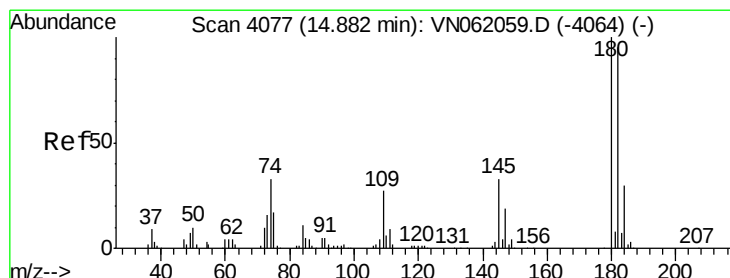
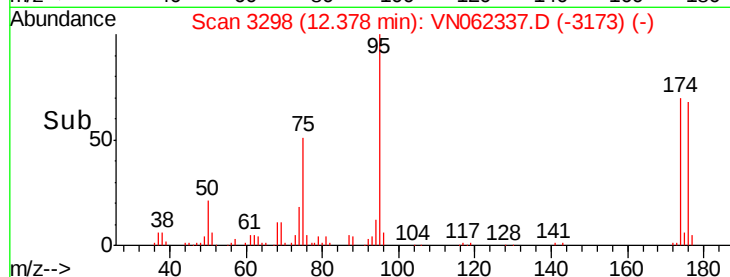
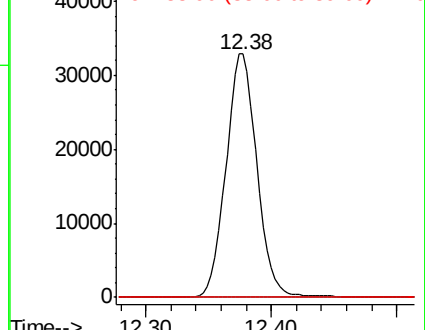
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062059.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062059.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062059.D (-3256) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.487 ug/l

RT: 14.89 min Scan# 4078

Delta R.T. 0.00 min

Lab File: VN062337.D

Acq: 2 Jul 2020 16:53

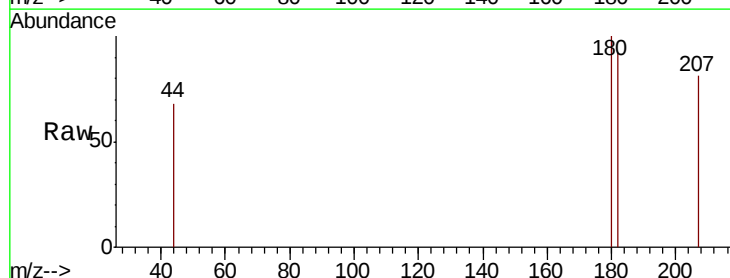
Tgt Ion: 180 Resp: 627

Ion Ratio Lower Upper

180 100

182 98.9 48.0 144.2

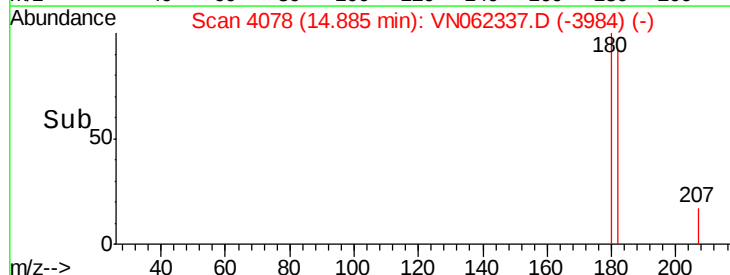
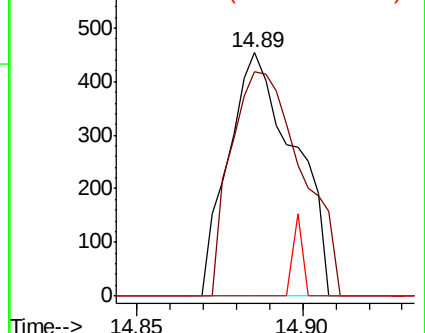
145 4.6 16.0 48.0#

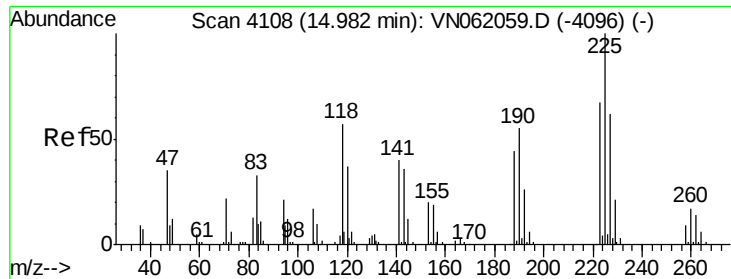


Abundance Ion 179.80 (179.50 to 180.50): VN062059.D (-4064) (-)

Ion 181.80 (181.50 to 182.50): VN062059.D (-4064) (-)

Ion 144.80 (144.50 to 145.50): VN062059.D (-4064) (-)

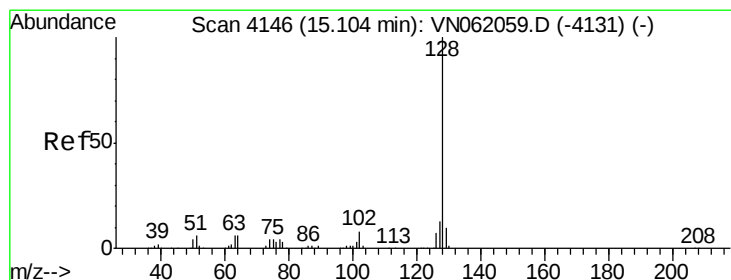
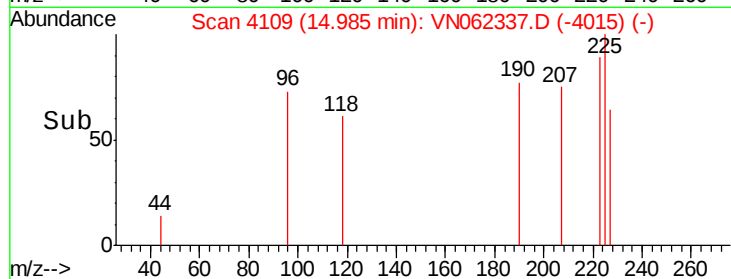
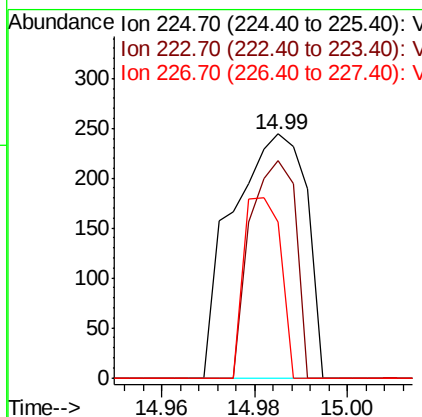
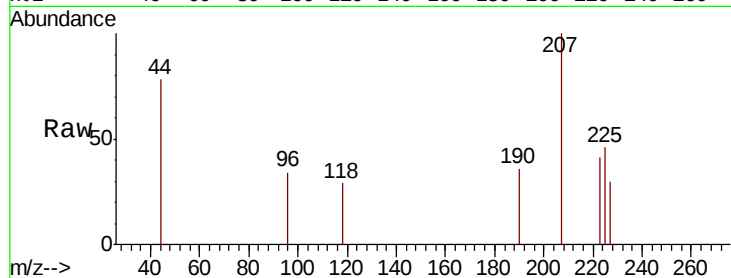




#94
Hexachlorobutadiene
Concen: 0.487 ug/l
RT: 14.99 min Scan# 4109
Delta R.T. 0.00 min
Lab File: VN062337.D
Acq: 2 Jul 2020 16:53

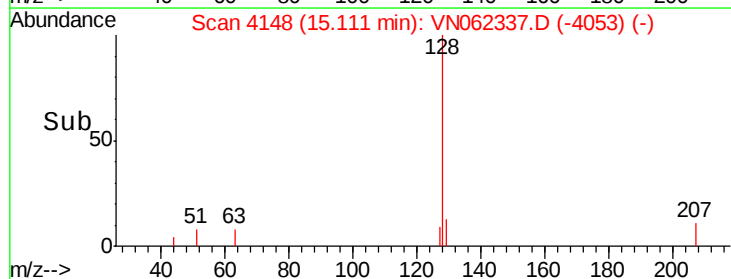
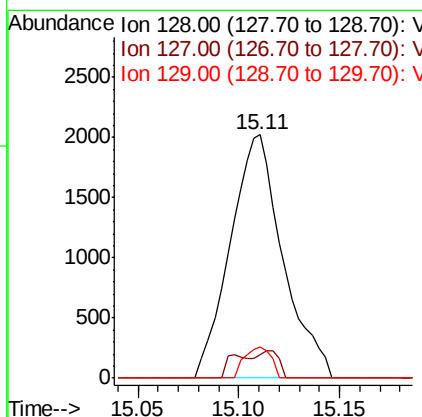
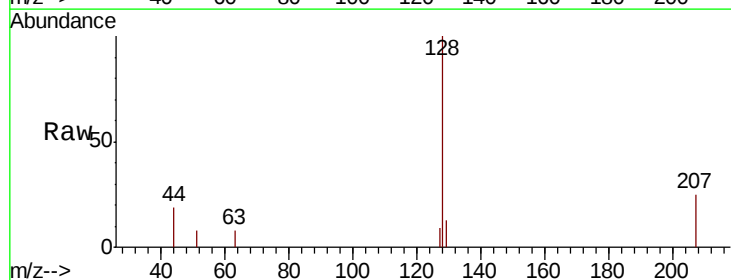
Instrument :
MSVOA_N
ClientSampleId :
VN0702MBL01

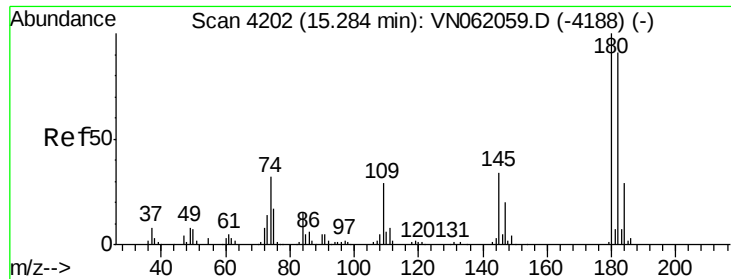
Tot Ion:225 Resp: 272
Ion Ratio Lower Upper
225 100
223 54.4 32.9 98.7
227 36.4 31.3 93.8



#95
Naphthalene
Concen: 4.783 ug/l
RT: 15.11 min Scan# 4148
Delta R.T. 0.01 min
Lab File: VN062337.D
Acq: 2 Jul 2020 16:53

Tgt Ion:128 Resp: 3676
Ion Ratio Lower Upper
128 100
127 4.3 10.5 15.7#
129 6.5 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.754 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN062337.D
 Acq: 2 Jul 2020 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702MBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	69.8	46.8	140.4
145	18.4	16.4	49.2

