

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081020\
 Data File : VN062797.D
 Acq On : 10 Aug 2020 10:00
 Operator : JC/MD
 Sample : VN0810MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810MBL01

Quant Time: Aug 10 11:13:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	120679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	207525	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	202807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	74543	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	102481	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	7.55	113	72219	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.06	98	266313	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.38	95	92939	44.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.76%	

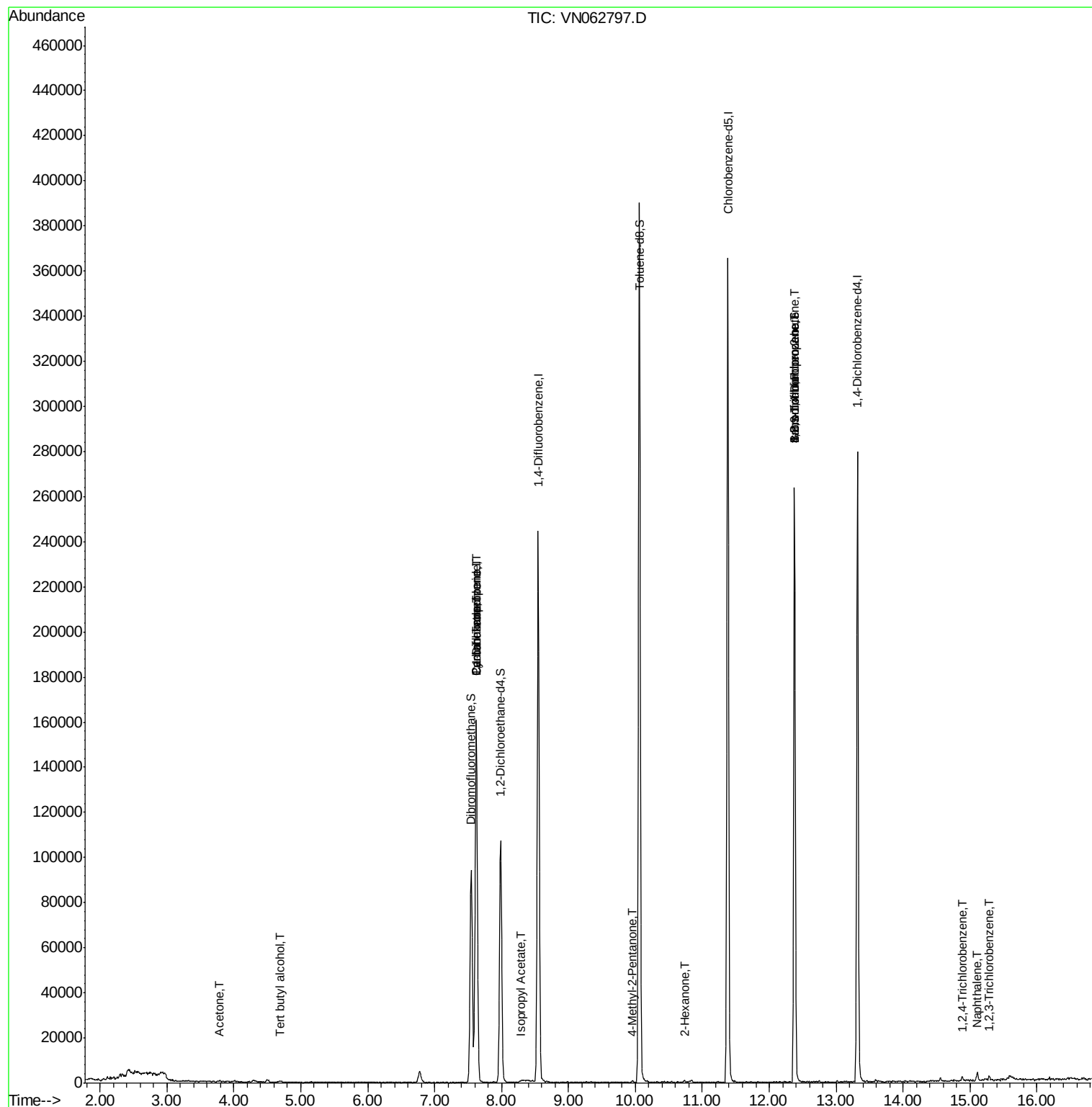
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	256	0.783	ug/l #	72
16) Acetone	3.79	43	781	1.083	ug/l #	45
17) Carbon Disulfide	4.01	76	774	Below Cal	#	74
18) Methyl Acetate	4.28	43	1460	Below Cal	#	52
20) Methylene Chloride	4.49	84	360	Below Cal	#	15
31) Cyclohexane	7.63	56	2782	1.150	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10745	5.317	ug/l #	49
38) Carbon Tetrachloride	7.62	117	13010	5.444	ug/l #	16
43) Isopropyl Acetate	8.29	43	784	0.223	ug/l #	61
51) 4-Methyl-2-Pentanone	9.95	43	810	0.356	ug/l #	68
59) 2-Hexanone	10.73	43	1105	0.650	ug/l	74
71) Bromoform	12.38	173	487	0.350	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	50678	25.209	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50678	76.955	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.89	180	709	3.850	ug/l #	71
94) Hexachlorobutadiene	14.99	225	195	Below Cal	#	19
95) Naphthalene	15.11	128	4118	4.821	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.28	180	953	3.469	ug/l	84

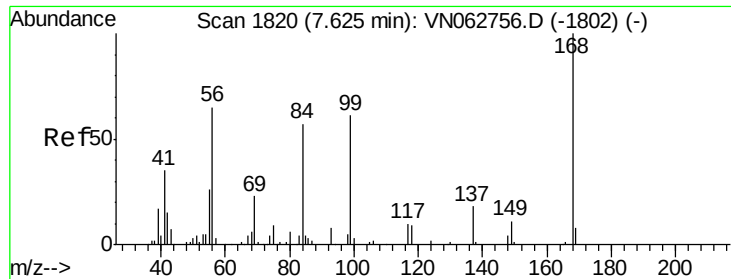
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081020\
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QLast Update : Wed Aug 05 13:26:42 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: VN062797.D

Acq: 10 Aug 2020 10:00

Instrument :

MSVOA_N

ClientSampled :

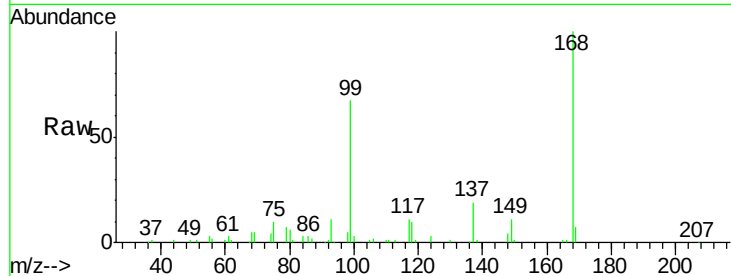
VN0810MBL01

Tgt Ion:168 Resp: 120679

Ion Ratio Lower Upper

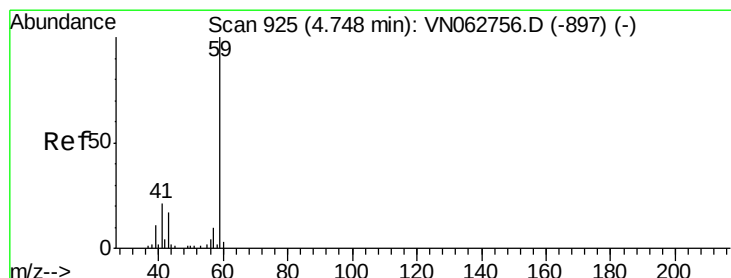
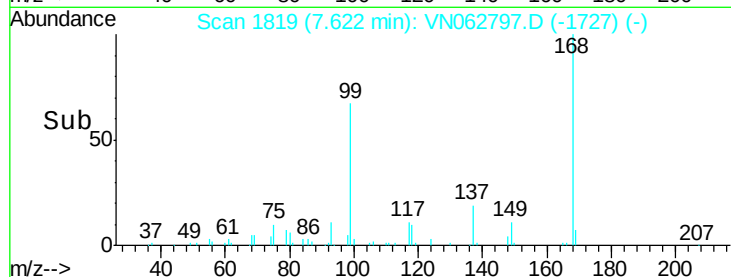
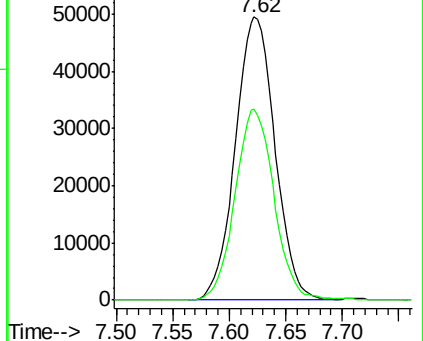
168 100

99 67.5 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 0.783 ug/l

RT: 4.71 min Scan# 912

Delta R.T. -0.04 min

Lab File: VN062797.D

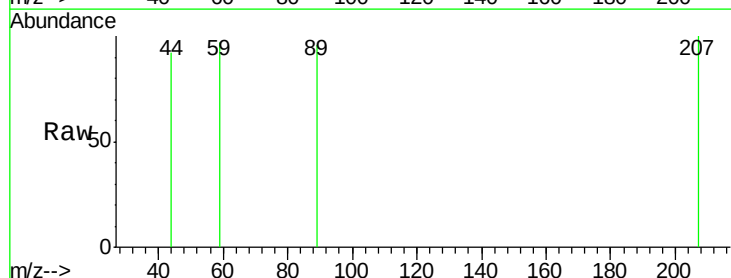
Acq: 10 Aug 2020 10:00

Tgt Ion: 59 Resp: 256

Ion Ratio Lower Upper

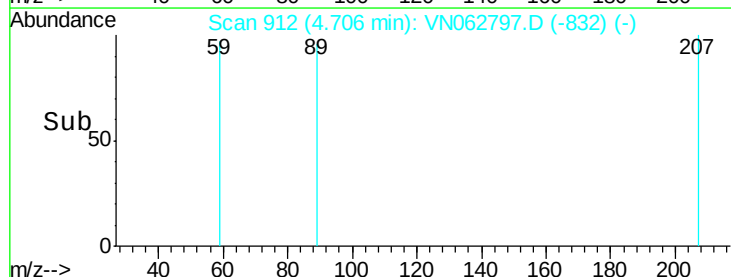
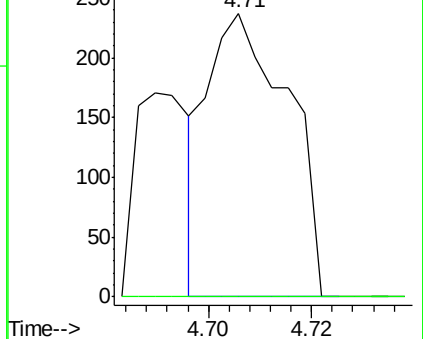
59 100

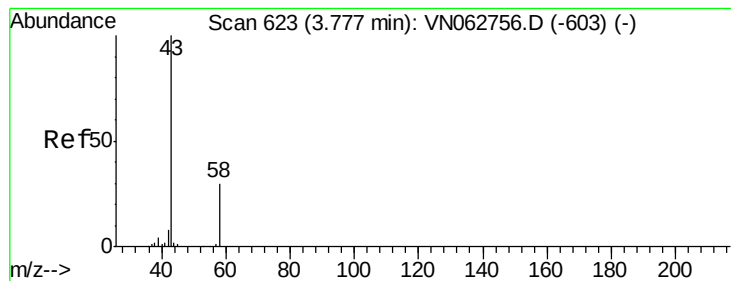
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 1.083 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062797.D

Acq: 10 Aug 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

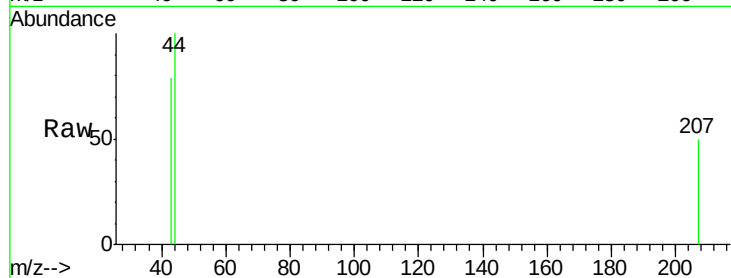
VN0810MBL01

Tgt Ion: 43 Resp: 781

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

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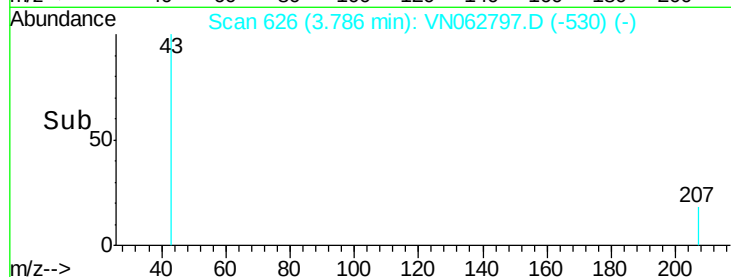
3.79

3.79

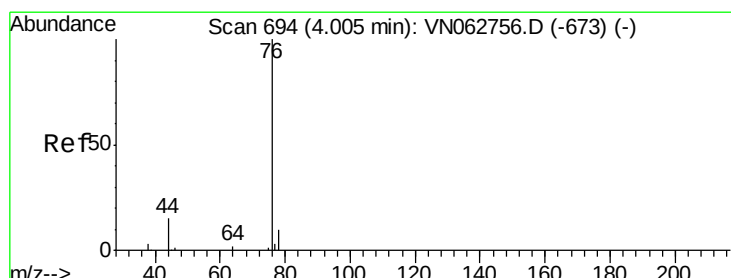
3.79

3.79

3.79



Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062797.D

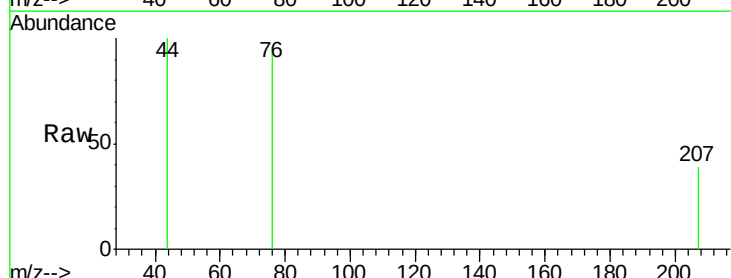
Acq: 10 Aug 2020 10:00

Tgt Ion: 76 Resp: 774

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

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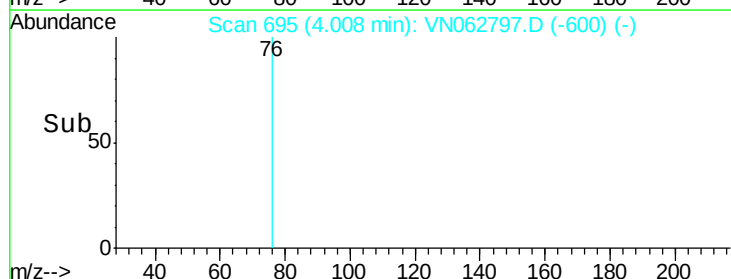
4.01

4.01

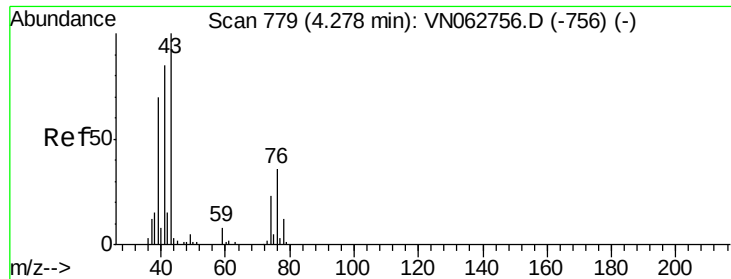
4.01

4.01

4.01



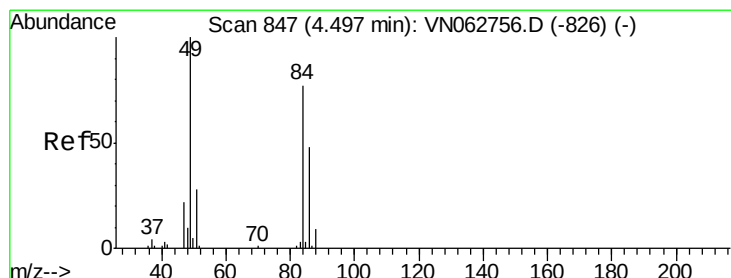
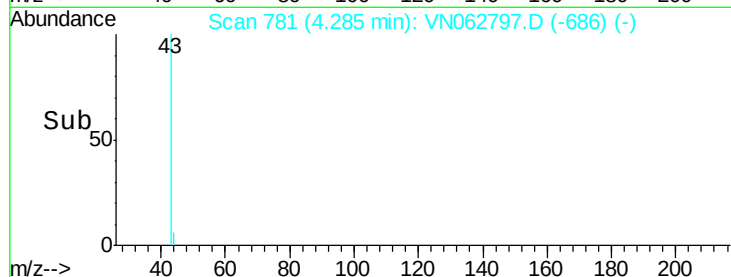
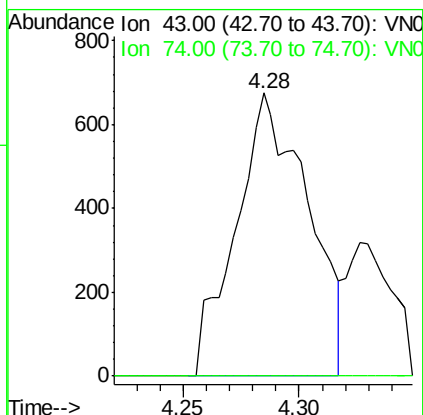
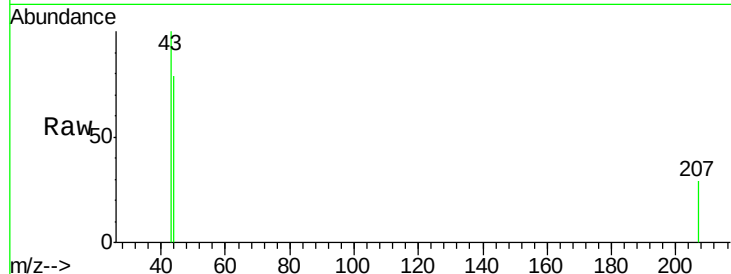
Time-->



#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062797.D
Acq: 10 Aug 2020 10:00

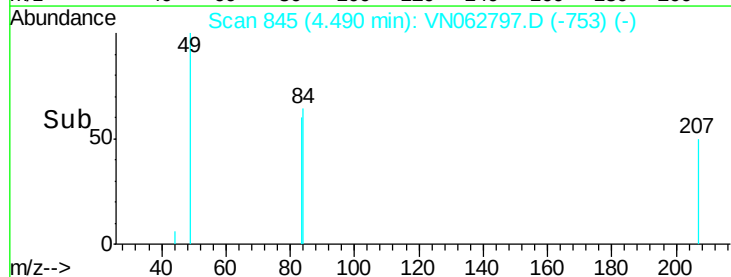
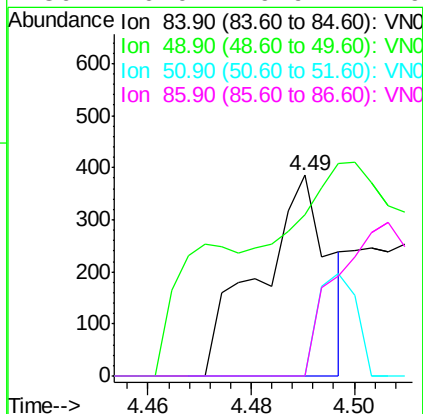
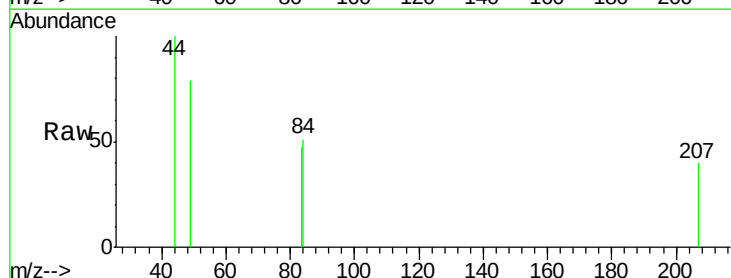
Instrument :
MSVOA_N
ClientSampleId :
VN0810MBL01

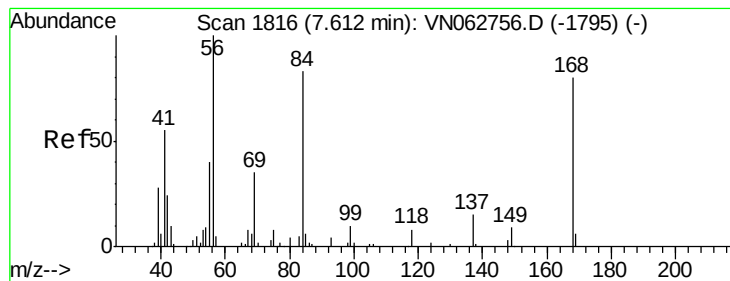
Tgt Ion: 43 Resp: 1460
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 845
Delta R.T. -0.01 min
Lab File: VN062797.D
Acq: 10 Aug 2020 10:00

Tgt Ion: 84 Resp: 360
Ion Ratio Lower Upper
84 100
49 20.5 103.4 155.2#
51 0.0 29.3 43.9#
86 0.0 49.9 74.9#





#31

Cyclohexane

Concen: 1.150 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062797.D

Acq: 10 Aug 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VN0810MBL01

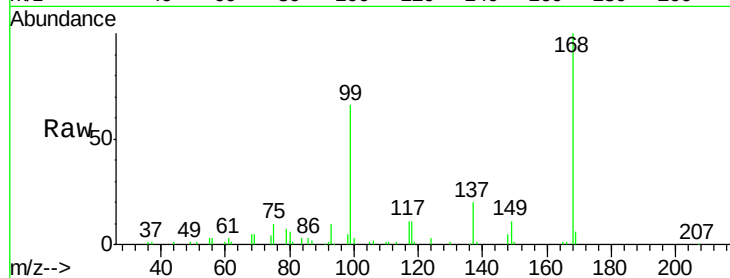
Tgt Ion: 56 Resp: 2782

Ion Ratio Lower Upper

56 100

69 198.9 28.1 42.1#

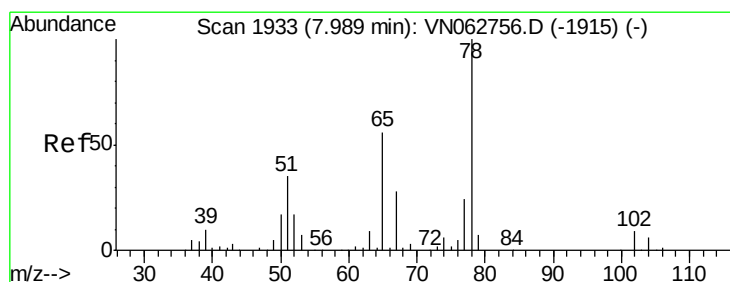
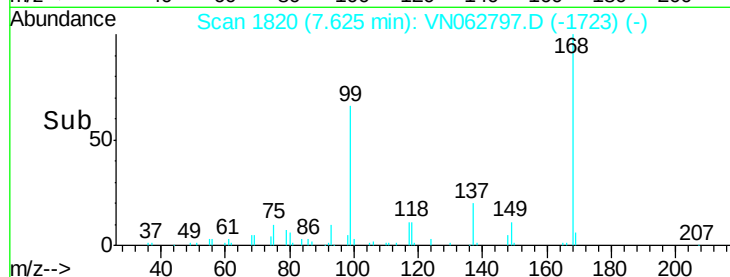
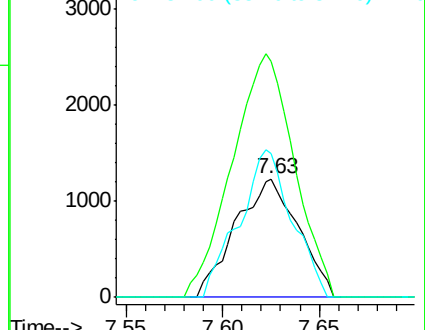
84 120.9 66.8 100.2#



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: 51.352 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062797.D

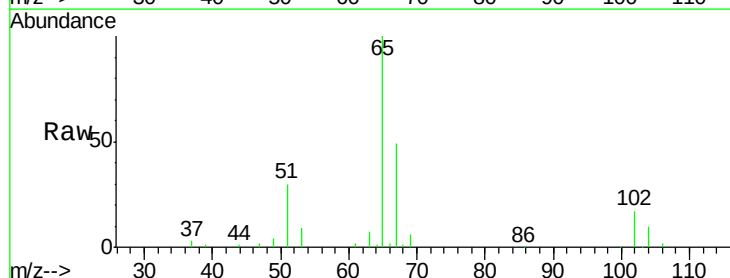
Acq: 10 Aug 2020 10:00

Tgt Ion: 65 Resp: 102481

Ion Ratio Lower Upper

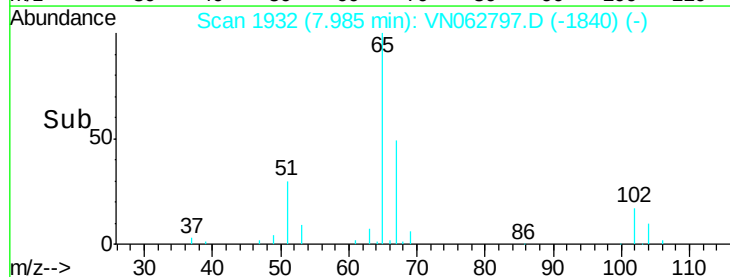
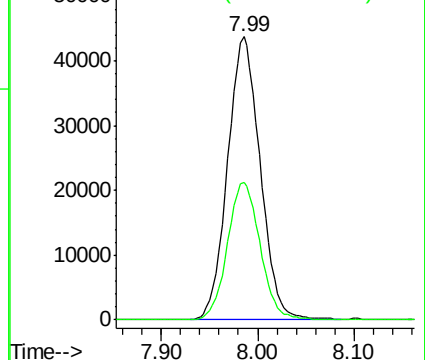
65 100

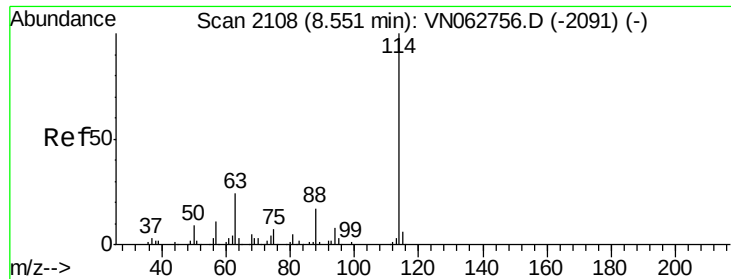
67 48.7 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

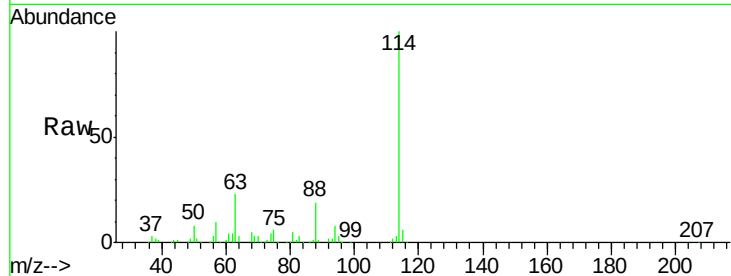




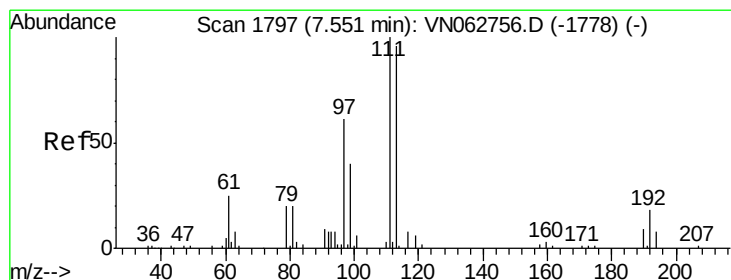
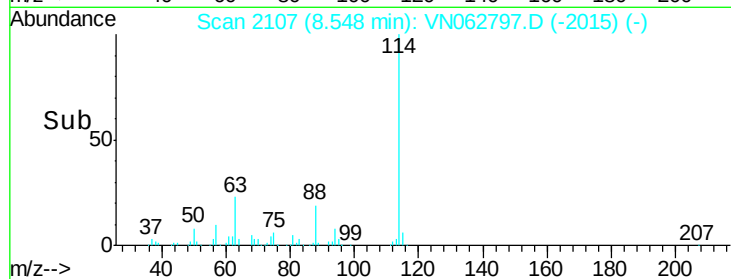
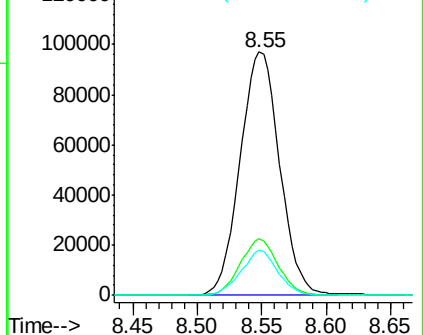
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062797.D
 Acq: 10 Aug 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810MBL01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	47.6
88	18.8	0.0	34.4

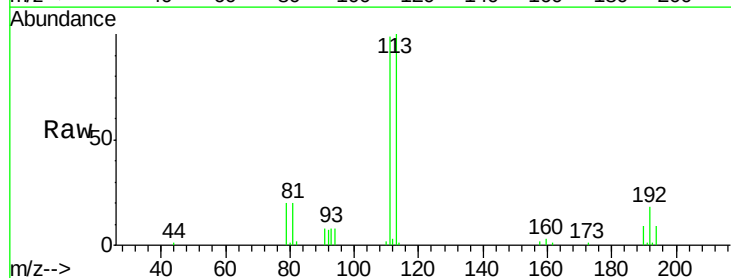


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

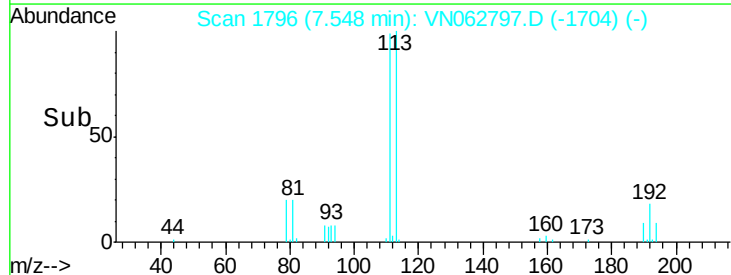
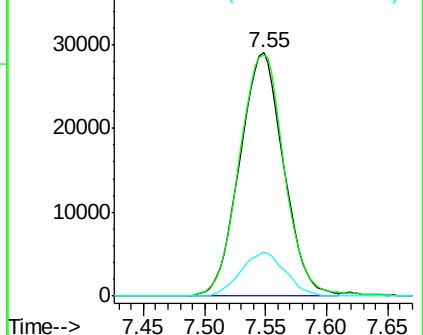


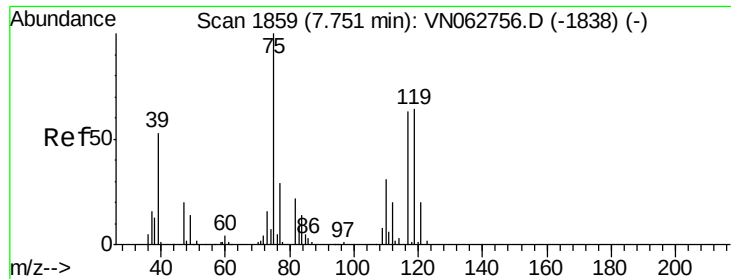
#35
 Dibromofluoromethane
 Concen: 50.873 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062797.D
 Acq: 10 Aug 2020 10:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.6
192	18.2	15.0	22.4



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

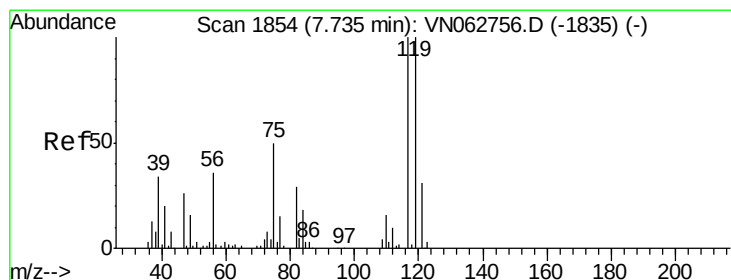
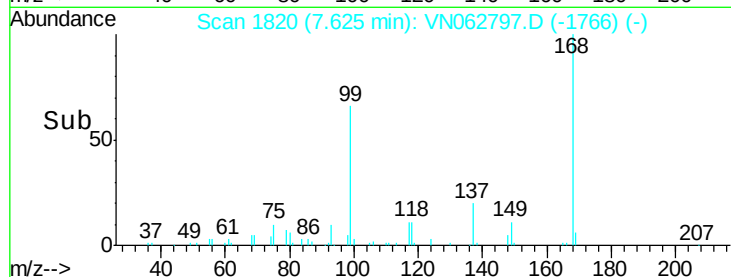
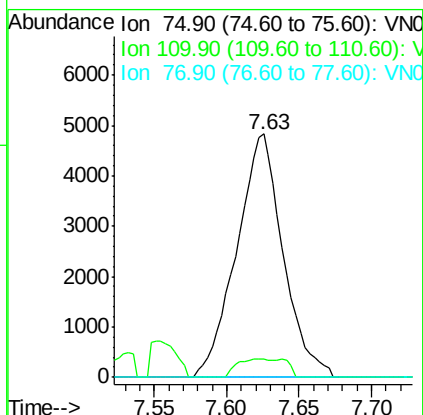
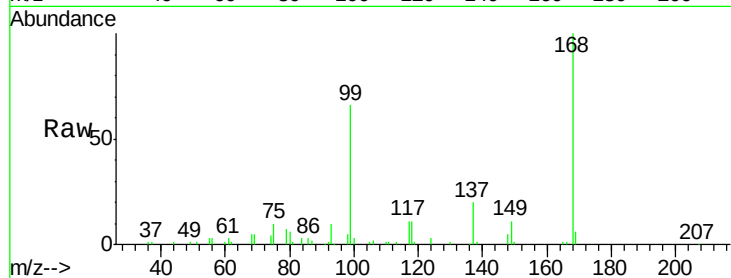




#36
 1,1-Dichloropropene
 Concen: 5.317 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062797.D
 Acq: 10 Aug 2020 10:00

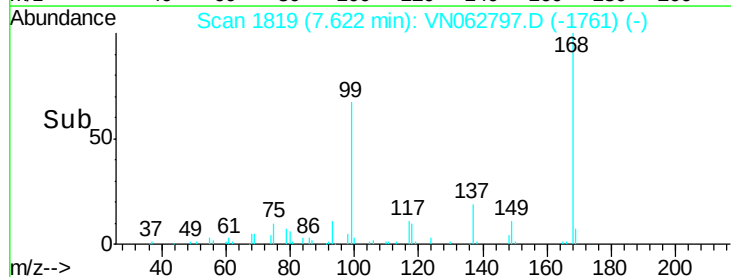
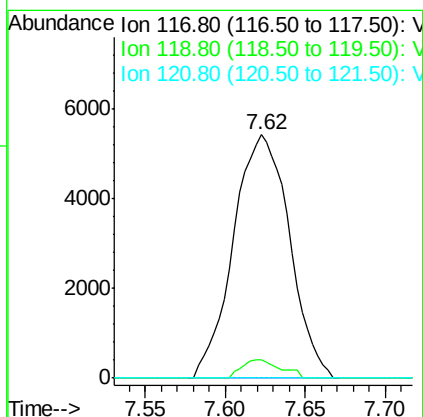
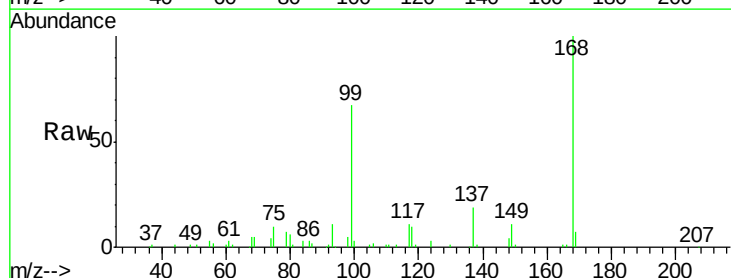
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810MBL01

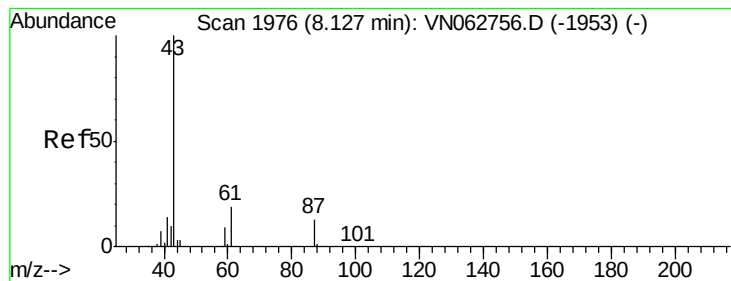
Tgt Ion: 75 Resp: 10745
 Ion Ratio Lower Upper
 75 100
 110 5.6 15.6 46.7#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.444 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062797.D
 Acq: 10 Aug 2020 10:00

Tgt Ion: 117 Resp: 13010
 Ion Ratio Lower Upper
 117 100
 119 7.5 79.4 119.2#
 121 0.0 24.9 37.3#





#43

Isopropyl Acetate

Concen: 0.223 ug/l

RT: 8.29 min Scan# 2026

Delta R.T. 0.16 min

Lab File: VN062797.D

Acq: 10 Aug 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VN0810MBL01

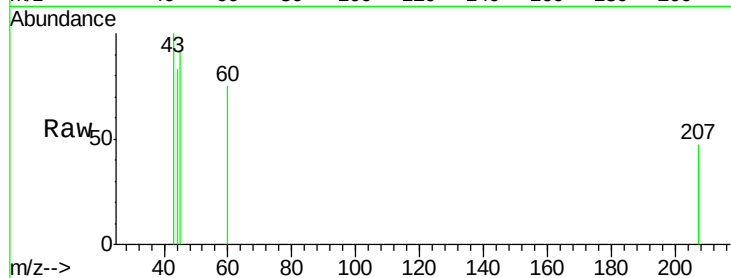
Tgt Ion: 43 Resp: 784

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

87 0.0 9.9 14.9#

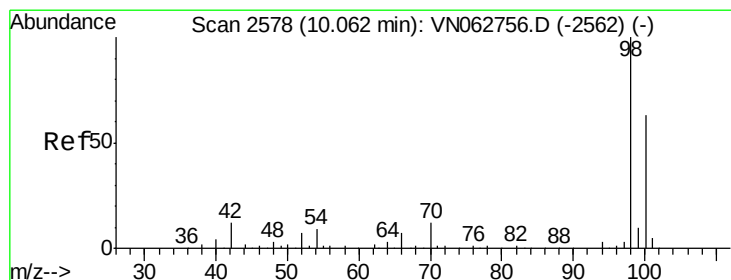
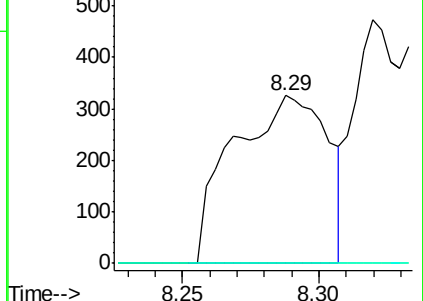
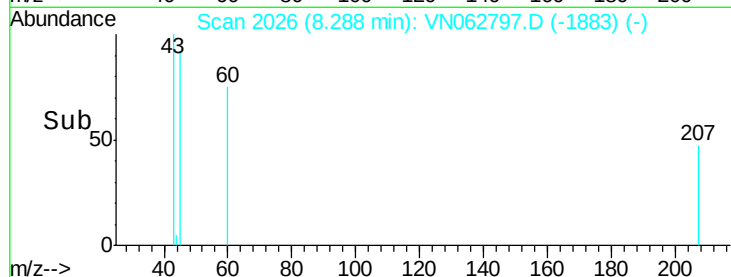


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Time-->



#50

Toluene-d8

Concen: 48.052 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062797.D

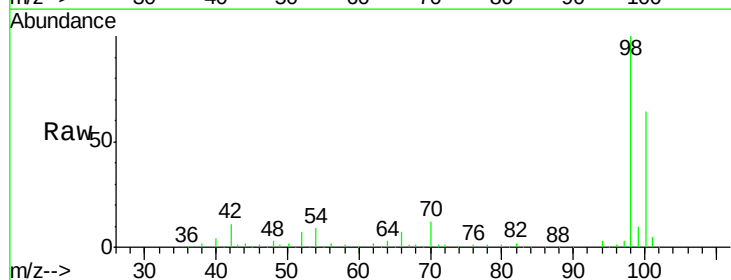
Acq: 10 Aug 2020 10:00

Tgt Ion: 98 Resp: 266313

Ion Ratio Lower Upper

98 100

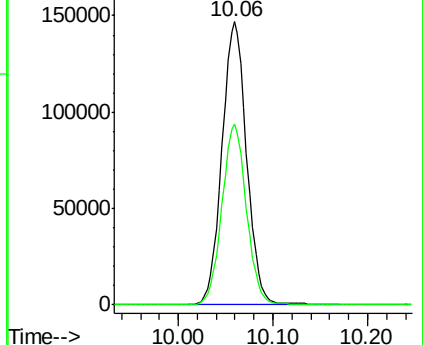
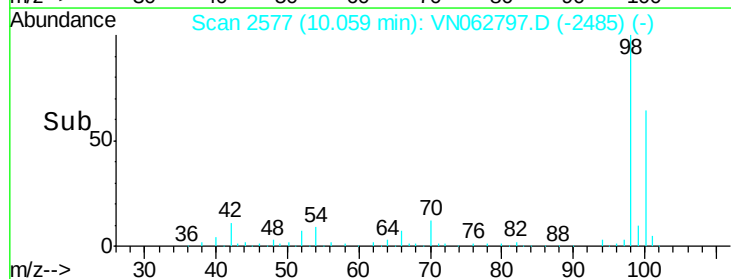
100 63.3 50.9 76.3

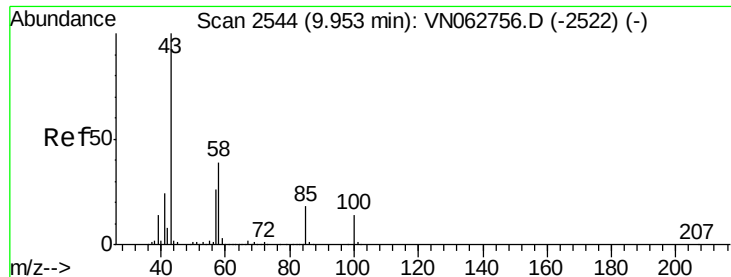


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

Time-->

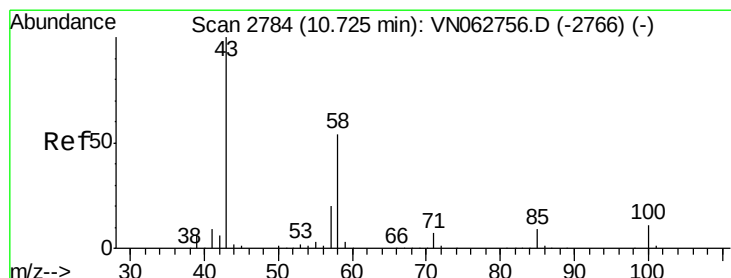
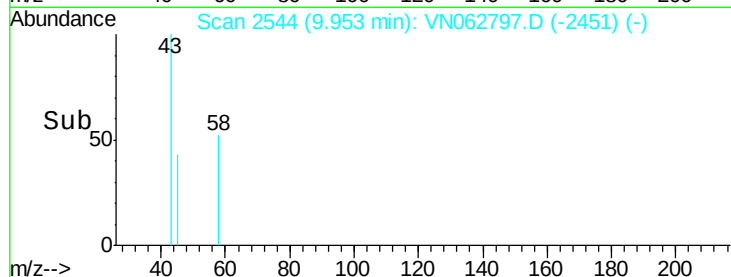
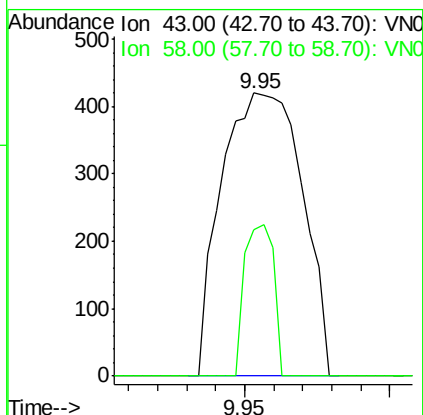
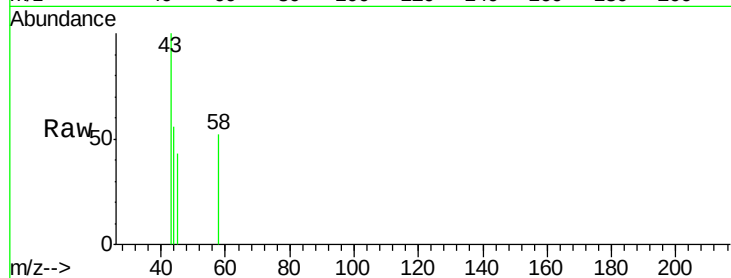




#51
 4-Methyl-2-Pentanone
 Concen: 0.356 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062797.D
 Acq: 10 Aug 2020 10:00

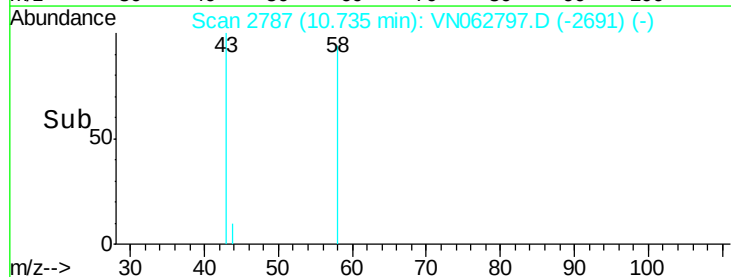
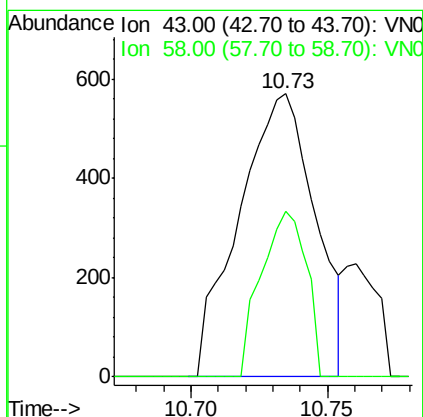
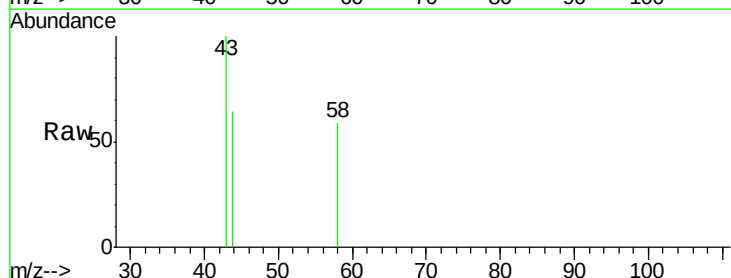
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810MBL01

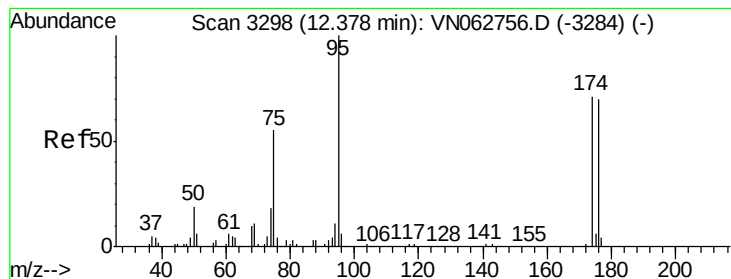
Tgt Ion: 43 Resp: 810
 Ion Ratio Lower Upper
 43 100
 58 19.4 31.1 46.7#



#59
 2-Hexanone
 Concen: 0.650 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.01 min
 Lab File: VN062797.D
 Acq: 10 Aug 2020 10:00

Tgt Ion: 43 Resp: 1105
 Ion Ratio Lower Upper
 43 100
 58 34.8 26.7 80.1





#62

4-Bromofluorobenzene

Concen: 44.375 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062797.D

Acq: 10 Aug 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VN0810MBL01

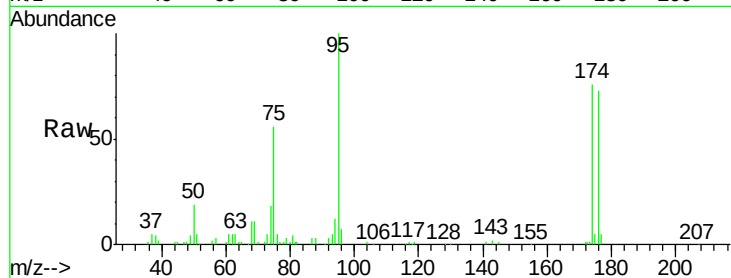
Tgt Ion: 95 Resp: 92939

Ion Ratio Lower Upper

95 100

174 75.2 0.0 144.8

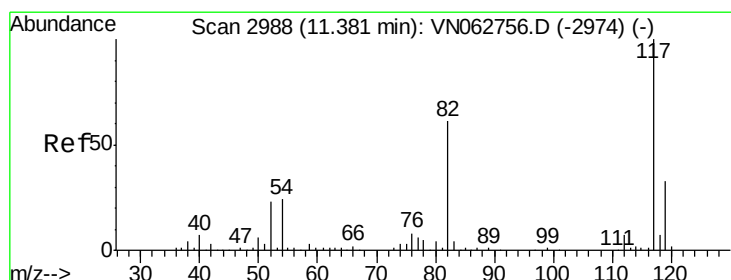
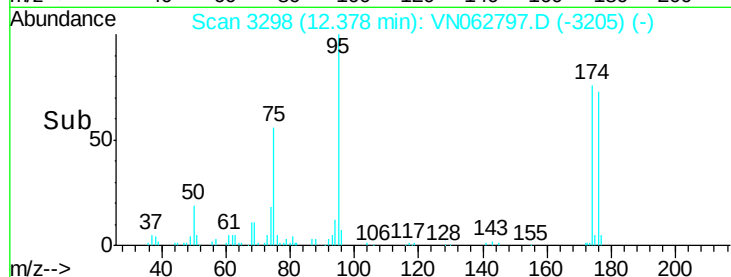
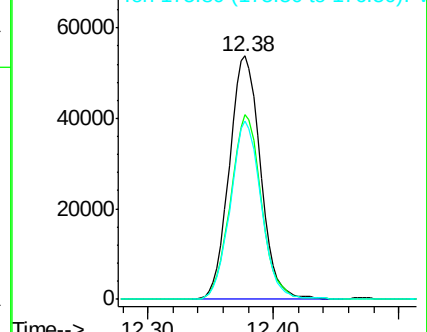
176 71.9 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062797.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062797.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062797.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062797.D

Acq: 10 Aug 2020 10:00

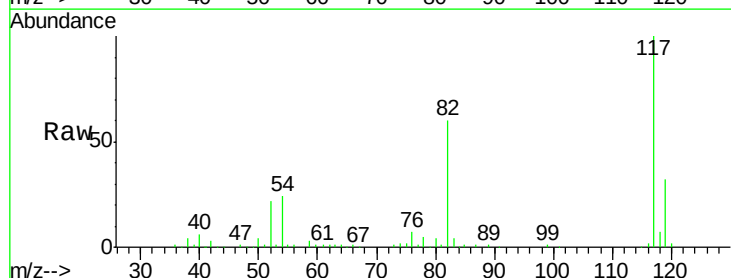
Tgt Ion: 117 Resp: 202807

Ion Ratio Lower Upper

117 100

82 60.0 49.0 73.4

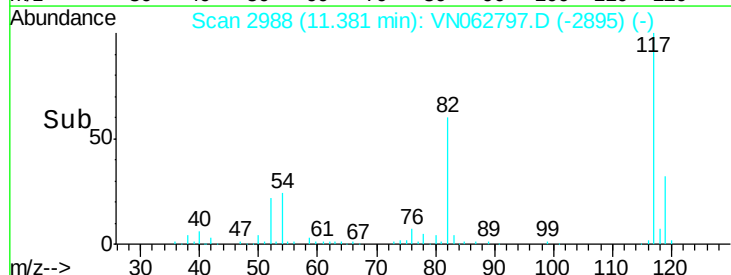
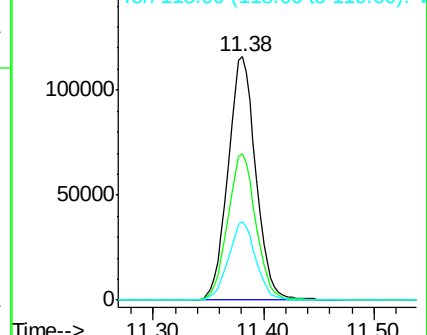
119 32.0 26.2 39.2

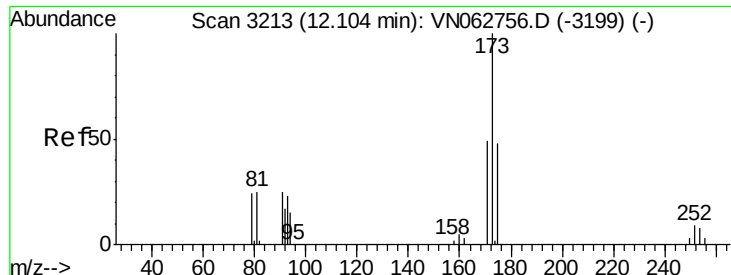


Abundance Ion 116.90 (116.60 to 117.60): VN062797.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062797.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062797.D (-2895) (-)





#71

Bromoform

Concen: 0.350 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.27 min

Lab File: VN062797.D

Acq: 10 Aug 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VN0810MBL01

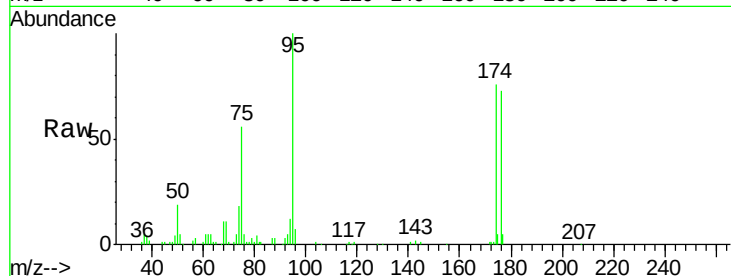
Tgt Ion:173 Resp: 487

Ion Ratio Lower Upper

173 100

175 914.4 24.0 72.0#

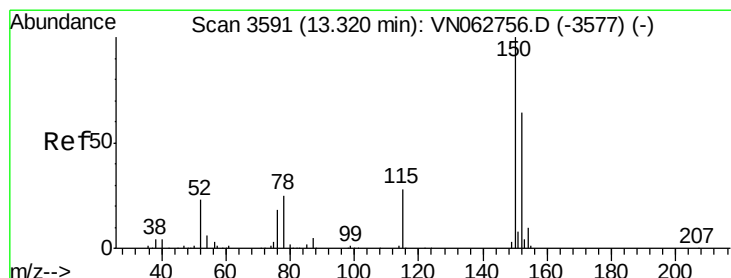
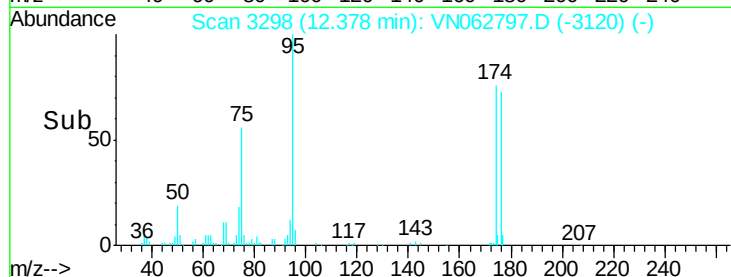
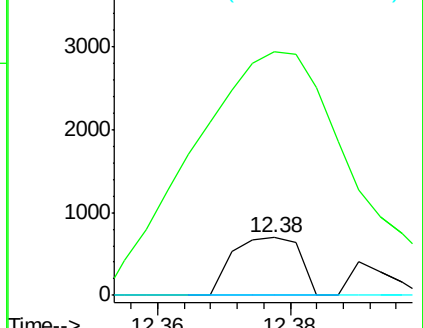
254 0.0 0.0 0.0



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: VN062797.D

Acq: 10 Aug 2020 10:00

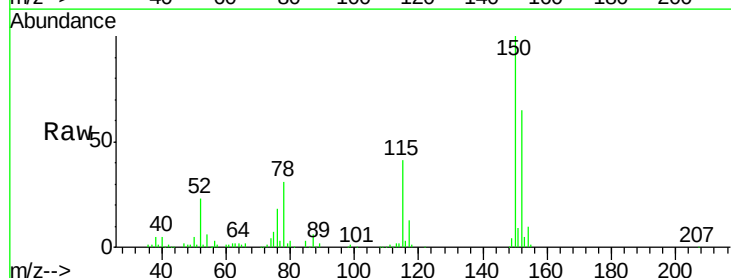
Tgt Ion:152 Resp: 74543

Ion Ratio Lower Upper

152 100

115 62.7 31.6 94.8

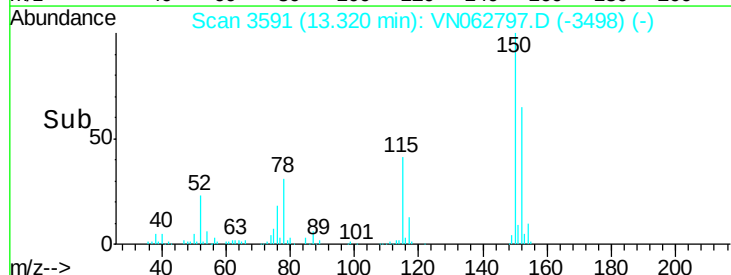
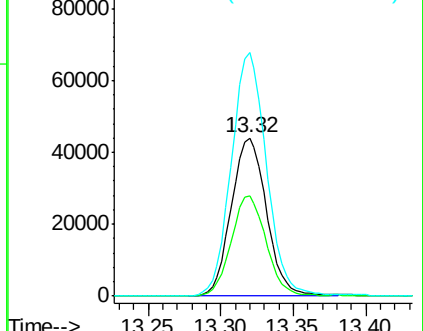
150 153.2 0.0 349.2

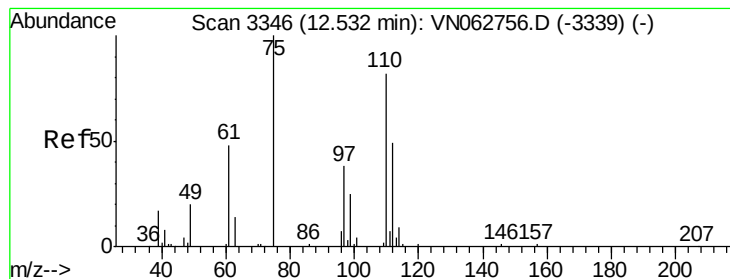


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.209 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062797.D

Acq: 10 Aug 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

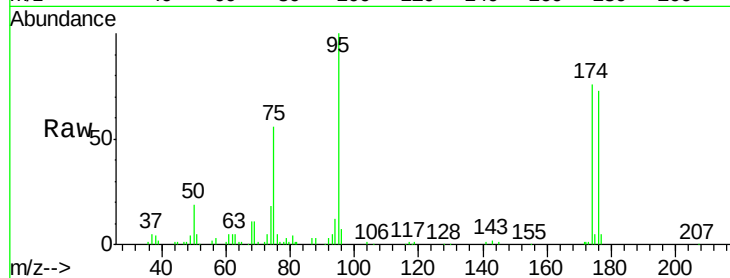
VN0810MBL01

Tgt Ion: 75 Resp: 50678

Ion Ratio Lower Upper

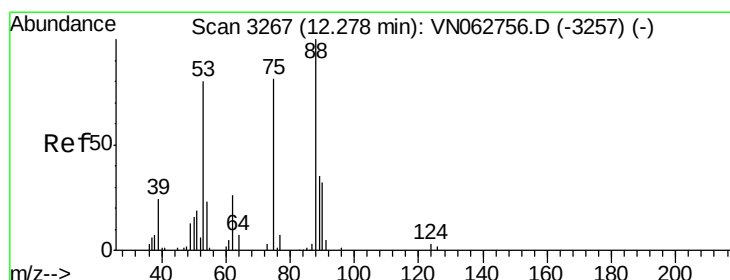
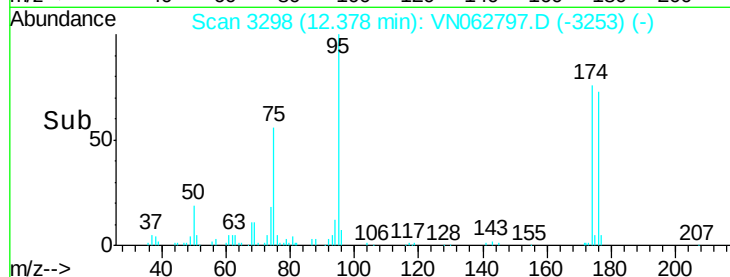
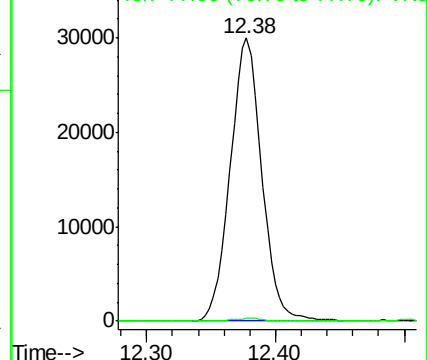
75 100

77 0.8 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: 76.955 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062797.D

Acq: 10 Aug 2020 10:00

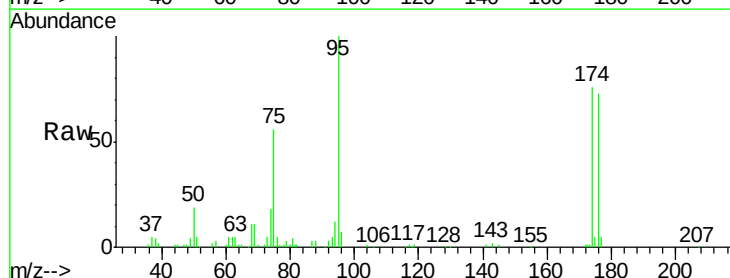
Tgt Ion: 75 Resp: 50678

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

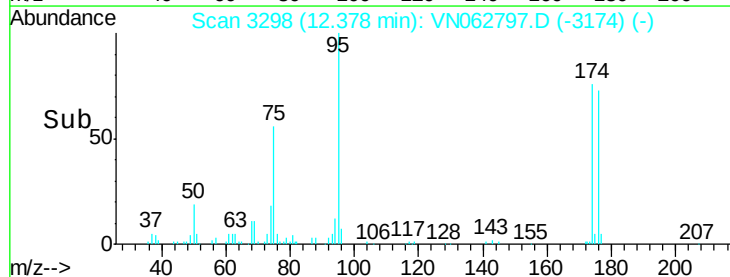
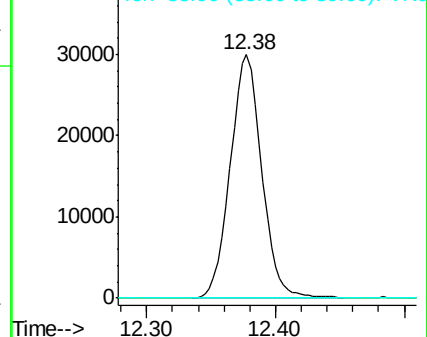
89 0.0 36.2 54.2#

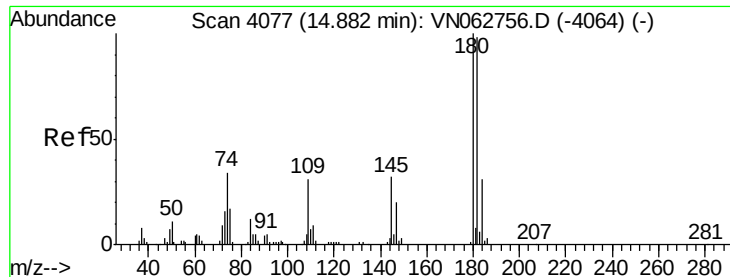


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

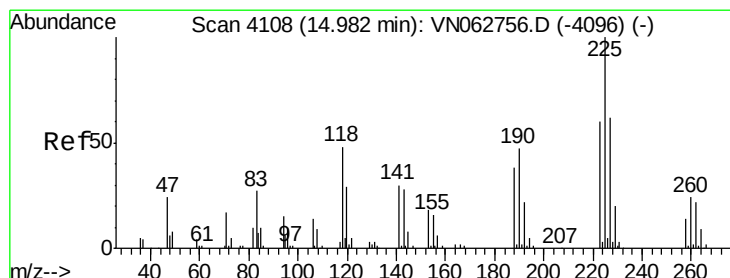
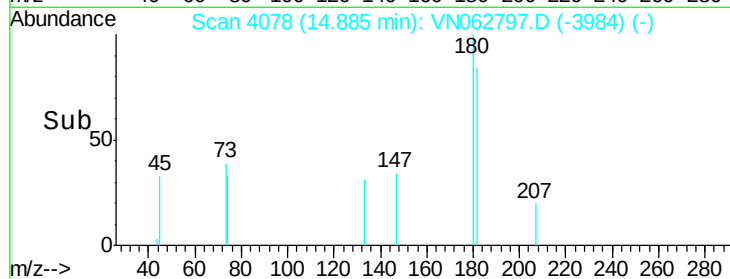
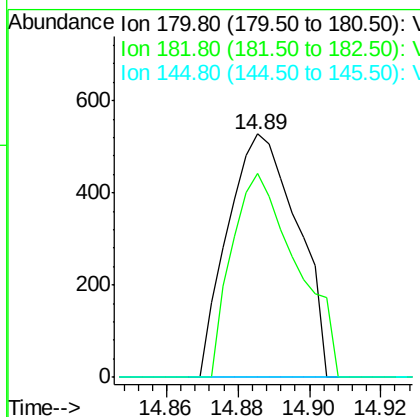
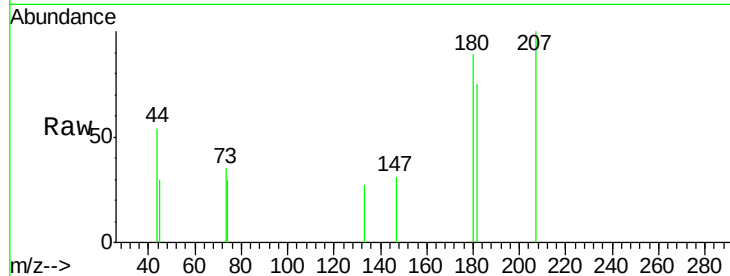




#93
 1,2,4-Trichlorobenzene
 Concen: 3.850 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062797.D
 Acq: 10 Aug 2020 10:00

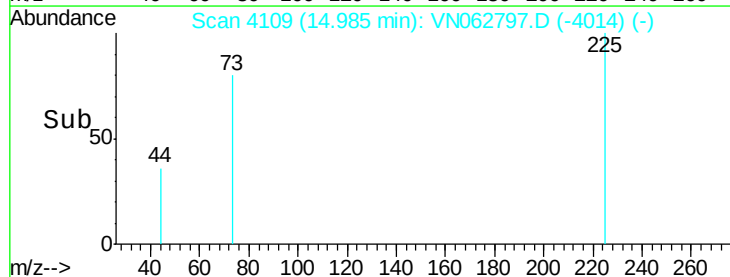
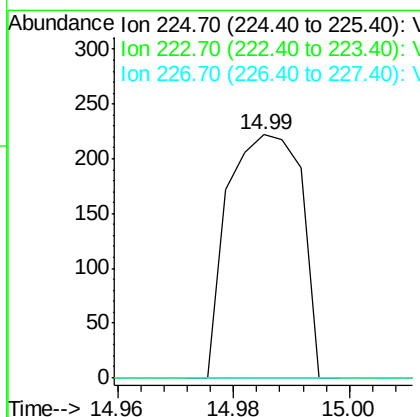
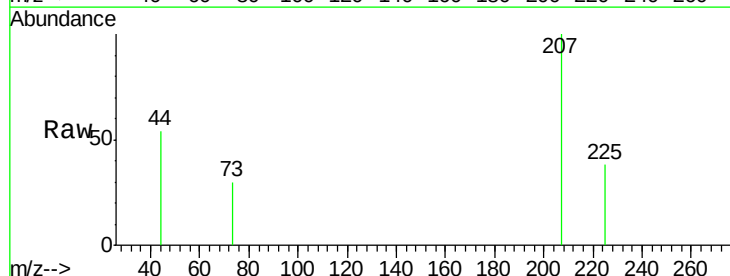
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810MBL01

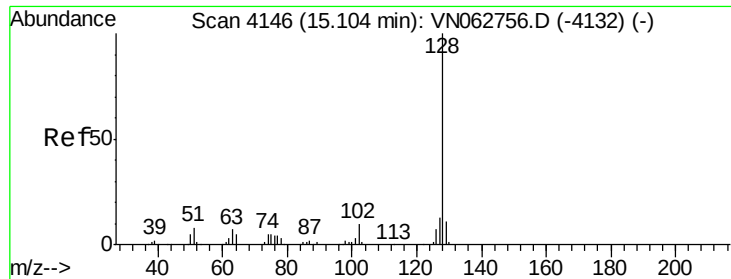
Tgt Ion:180 Resp: 709
 Ion Ratio Lower Upper
 180 100
 182 78.6 49.1 147.4
 145 0.0 16.3 48.8#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062797.D
 Acq: 10 Aug 2020 10:00

Tgt Ion:225 Resp: 195
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.6 92.0#
 227 0.0 31.6 95.0#





#95

Naphthalene

Concen: 4.821 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062797.D

Acq: 10 Aug 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VN0810MBL01

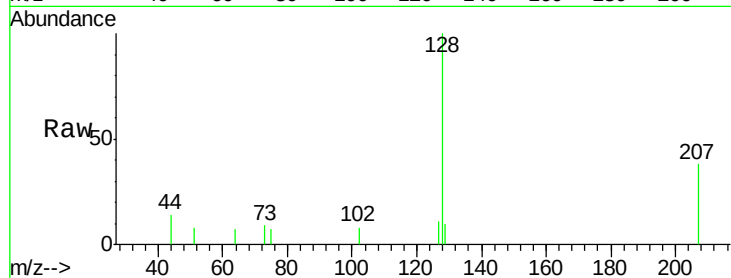
Tgt Ion:128 Resp: 4118

Ion Ratio Lower Upper

128 100

127 10.5 10.8 16.2#

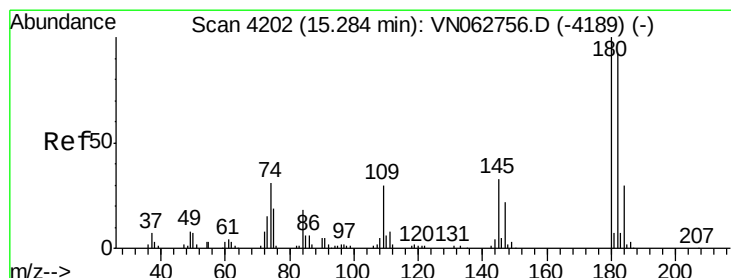
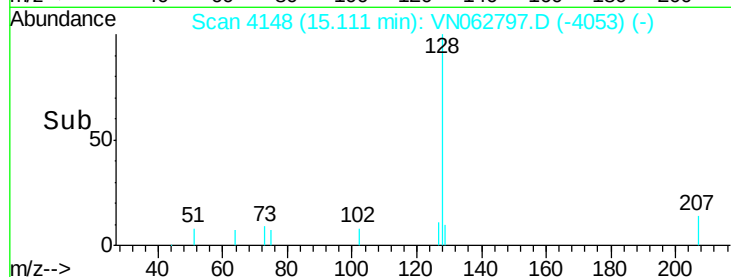
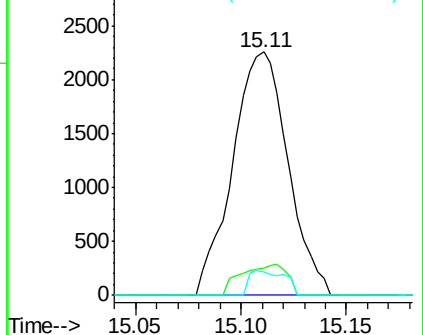
129 6.5 8.8 13.2#



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



#96

1,2,3-Trichlorobenzene

Concen: 3.469 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062797.D

Acq: 10 Aug 2020 10:00

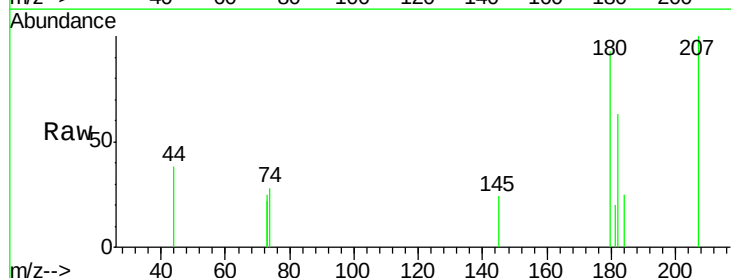
Tgt Ion:180 Resp: 953

Ion Ratio Lower Upper

180 100

182 84.9 47.9 143.6

145 17.7 17.3 51.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

