

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081920\
 Data File : VN063002.D
 Acq On : 19 Aug 2020 10:20
 Operator : JC/MD
 Sample : VN0819MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBL01

Quant Time: Aug 19 13:40:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	153356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	259611	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	254305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89537	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	100212	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	
35) Dibromofluoromethane	7.55	113	87851	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
50) Toluene-d8	10.06	98	325091	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.38	95	104172	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	

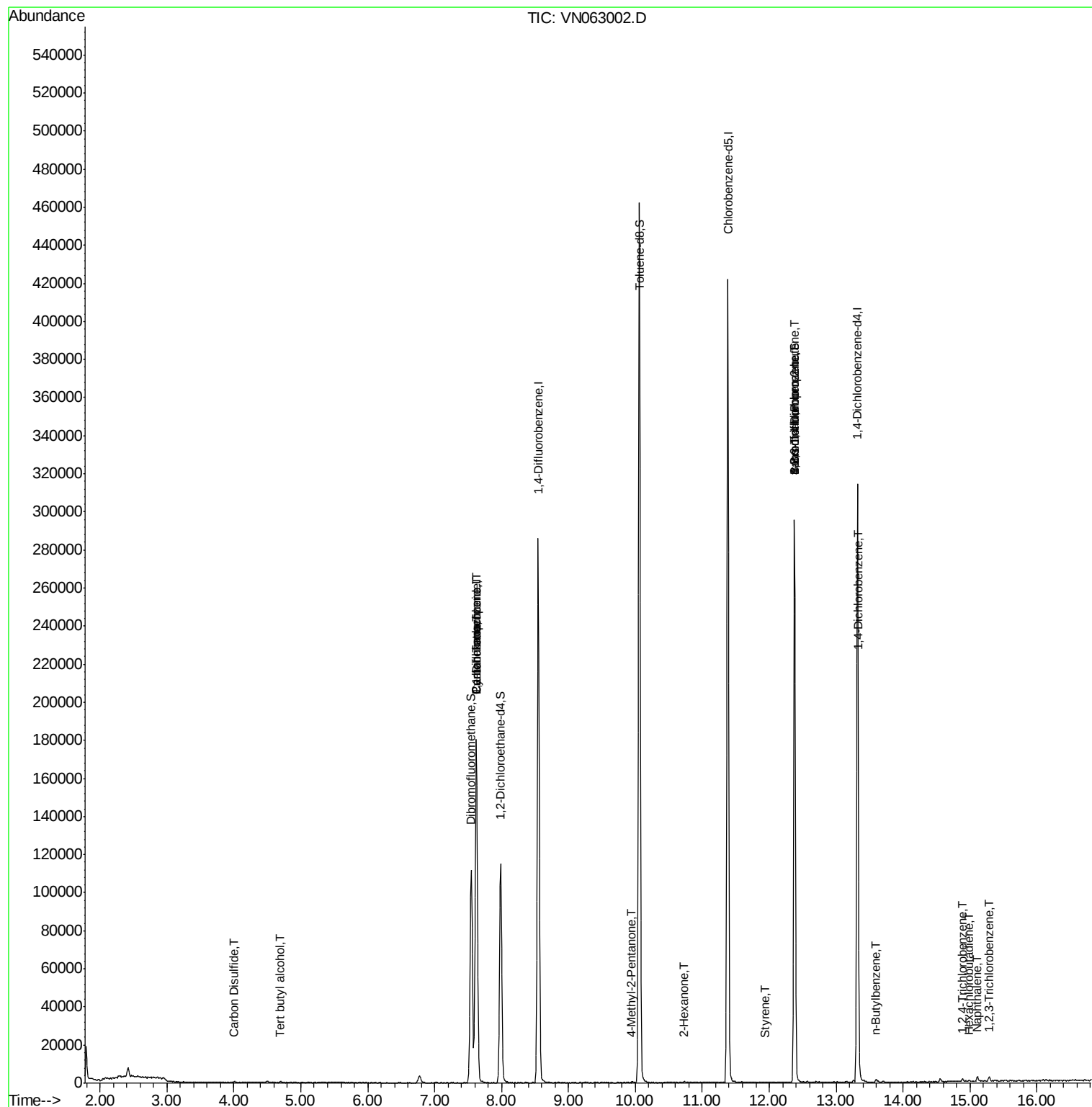
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	265	1.029	ug/l #	74
16) Acetone	3.78	43	229	Below Cal	#	40
17) Carbon Disulfide	4.01	76	922	0.270	ug/l #	76
20) Methylene Chloride	4.49	84	452	Below Cal	#	71
31) Cyclohexane	7.62	56	2910	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10668	4.663	ug/l #	48
38) Carbon Tetrachloride	7.63	117	13888	6.013	ug/l #	17
51) 4-Methyl-2-Pentanone	9.95	43	726	0.323	ug/l #	35
59) 2-Hexanone	10.73	43	765	0.489	ug/l	62
70) Styrene	11.94	104	62	1.934	ug/l #	26
71) Bromoform	12.38	173	1049	0.663	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.48	83	30	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.38	75	50604	29.076	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50604	79.856	ug/l #	15
88) 1,4-Dichlorobenzene	13.34	146	638	0.217	ug/l #	1
89) n-Butylbenzene	13.59	91	1099	2.983	ug/l	89
93) 1,2,4-Trichlorobenzene	14.89	180	773	4.998	ug/l #	89
94) Hexachlorobutadiene	14.99	225	255	0.247	ug/l #	34
95) Naphthalene	15.11	128	3234	6.445	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.29	180	1408	4.818	ug/l #	82

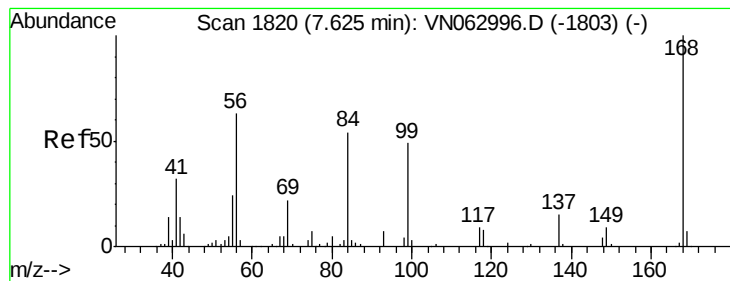
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN063002.D

Acq: 19 Aug 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

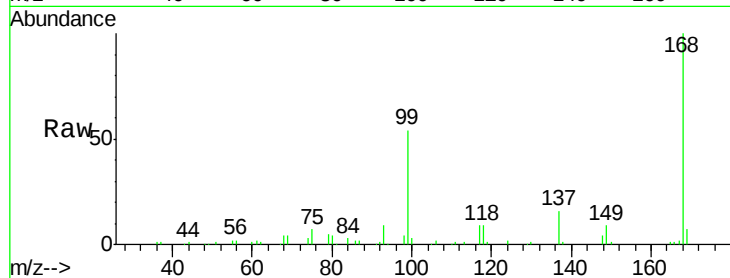
VN0819MBL01

Tgt Ion:168 Resp: 153356

Ion Ratio Lower Upper

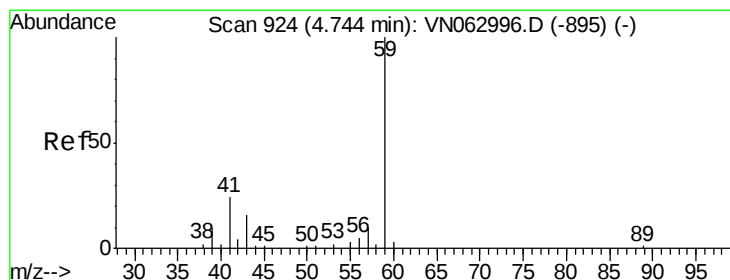
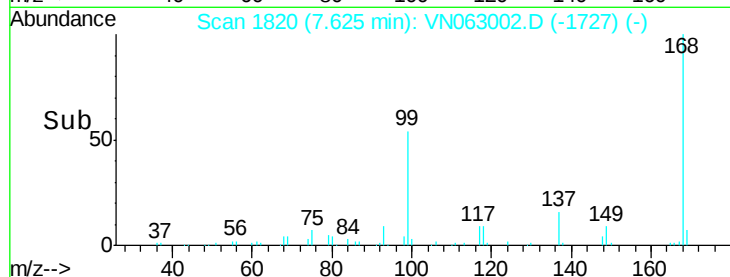
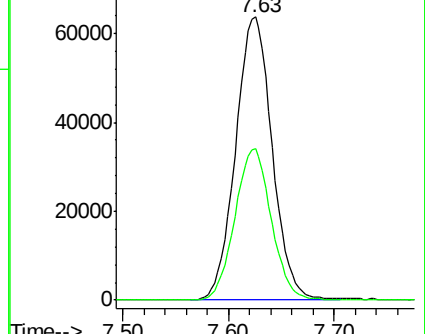
168 100

99 53.6 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 1.029 ug/l

RT: 4.70 min Scan# 909

Delta R.T. -0.05 min

Lab File: VN063002.D

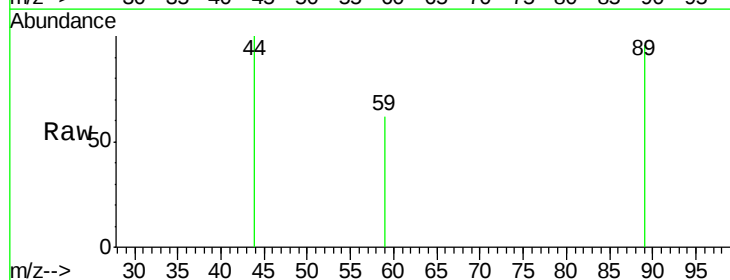
Acq: 19 Aug 2020 10:20

Tgt Ion: 59 Resp: 265

Ion Ratio Lower Upper

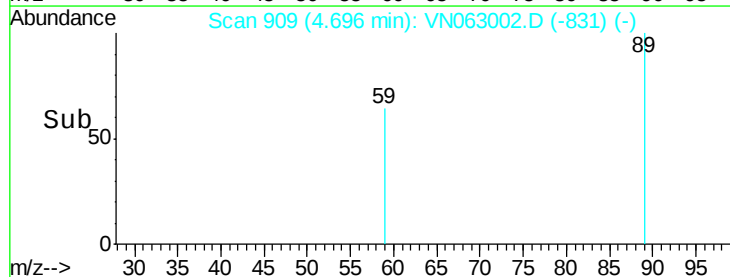
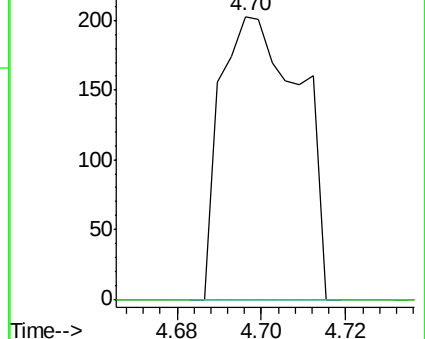
59 100

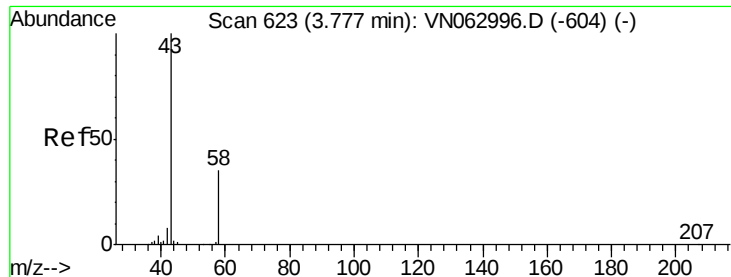
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN063002.D

Acq: 19 Aug 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

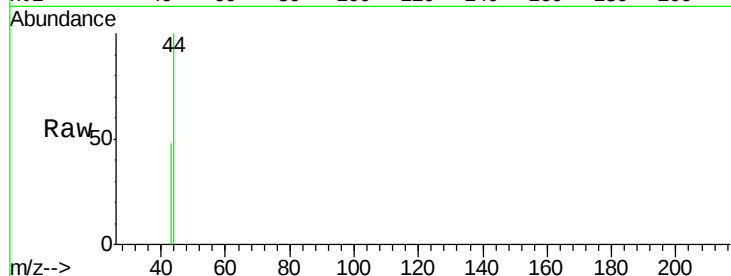
VN0819MBL01

Tgt Ion: 43 Resp: 229

Ion Ratio Lower Upper

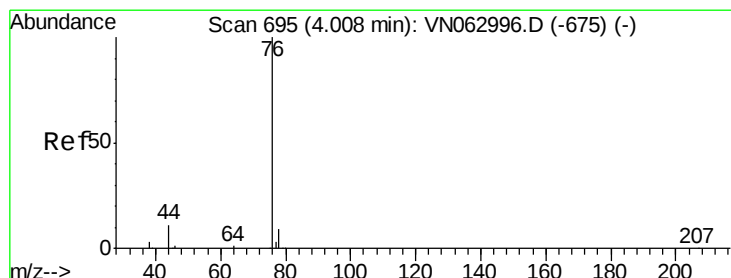
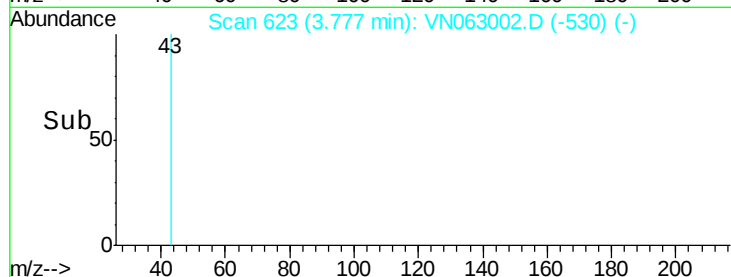
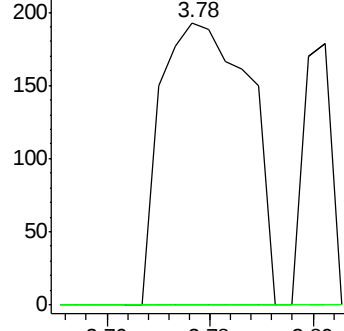
43 100

58 0.0 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.270 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN063002.D

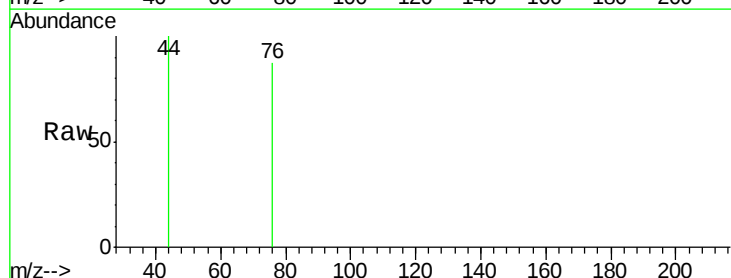
Acq: 19 Aug 2020 10:20

Tgt Ion: 76 Resp: 922

Ion Ratio Lower Upper

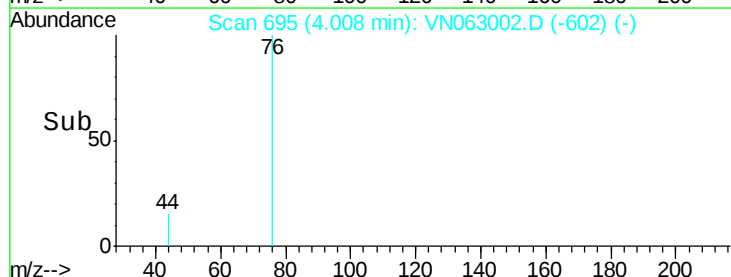
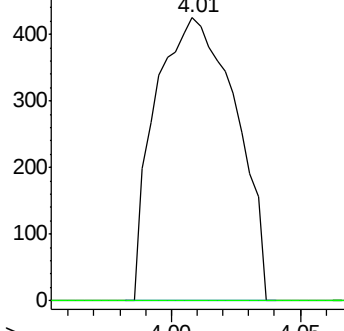
76 100

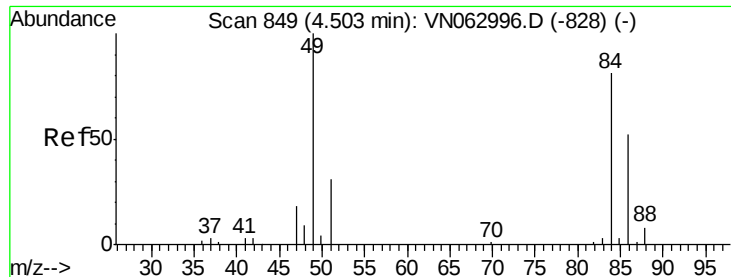
78 0.0 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

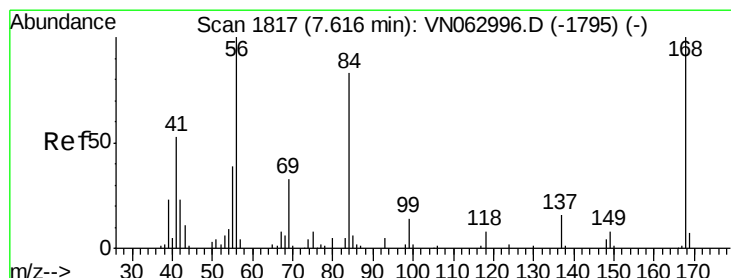
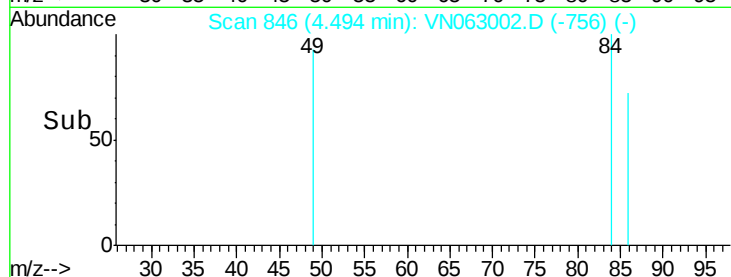
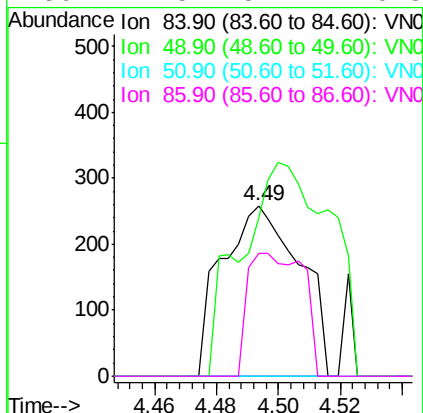
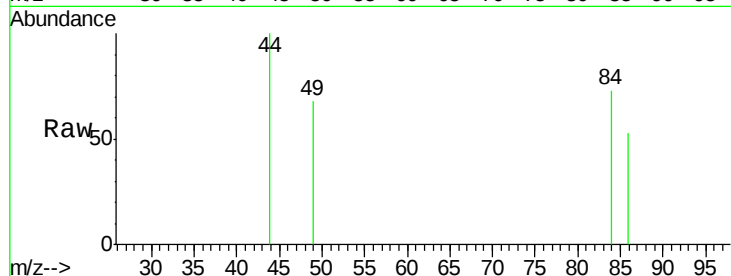




#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN063002.D
Acq: 19 Aug 2020 10:20

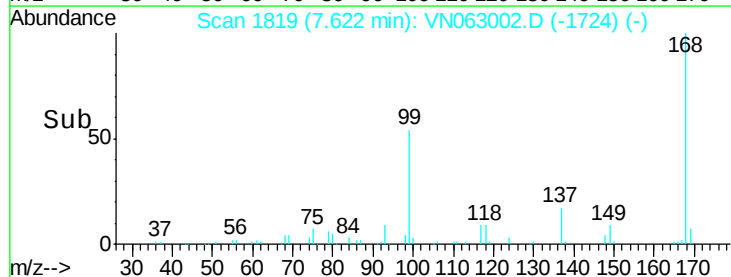
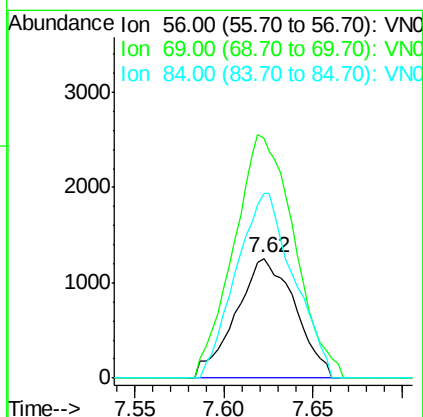
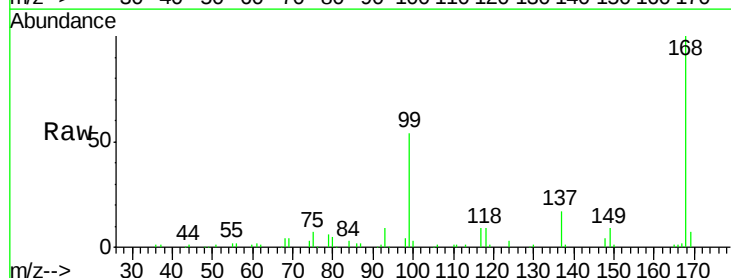
Instrument :
MSVOA_N
ClientSampled :
VN0819MBL01

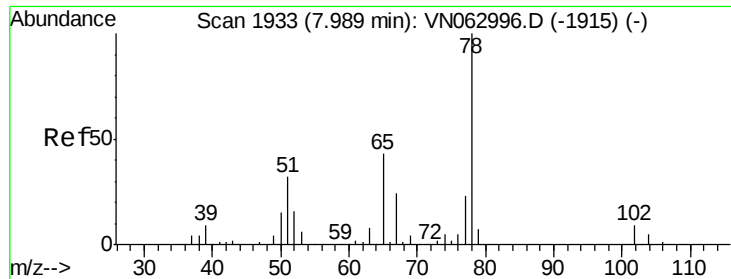
Tgt Ion:	84	Resp:	452
Ion	Ratio	Lower	Upper
84	100		
49	93.0	98.7	148.1#
51	0.0	30.8	46.2#
86	72.5	51.2	76.8



#31
Cyclohexane
Concen: 1.086 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN063002.D
Acq: 19 Aug 2020 10:20

Tgt Ion:	56	Resp:	2910
Ion	Ratio	Lower	Upper
56	100		
69	200.6	26.6	40.0#
84	155.1	66.4	99.6#

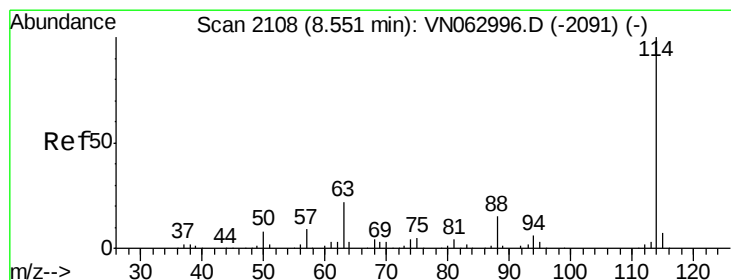
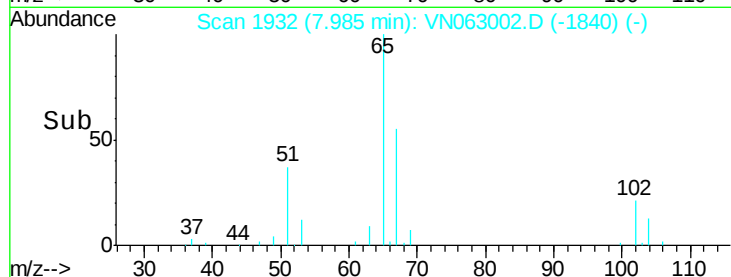
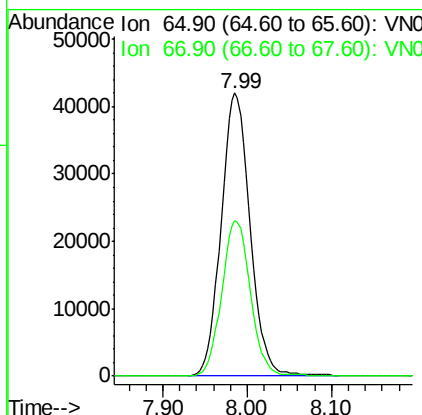
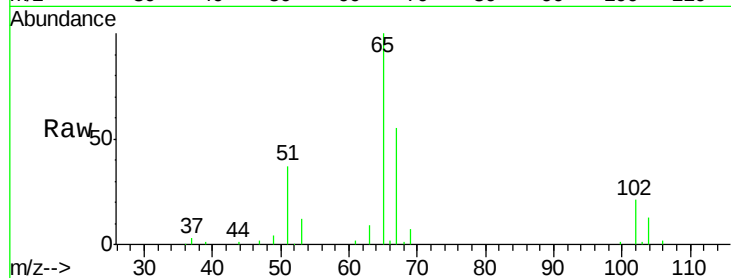




#33
 1,2-Dichloroethane-d4
 Concen: 55.136 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063002.D
 Acq: 19 Aug 2020 10:20

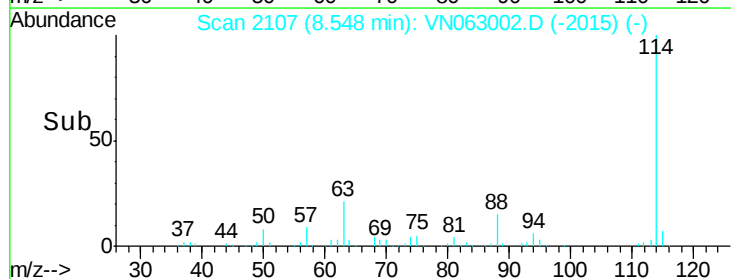
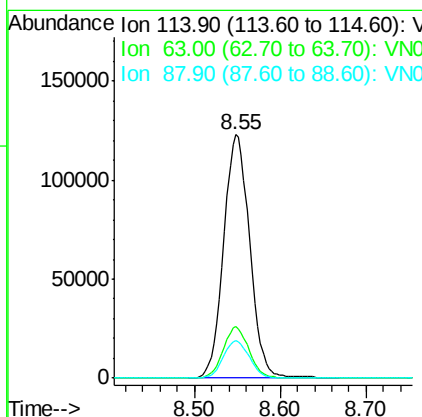
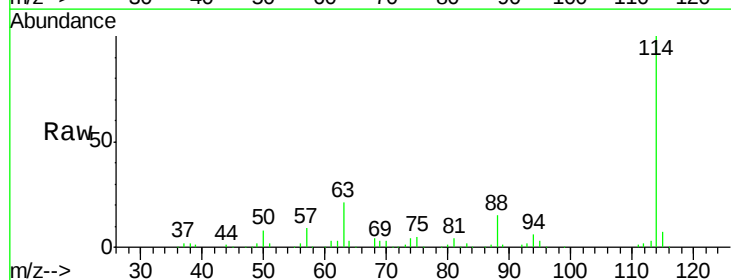
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBL01

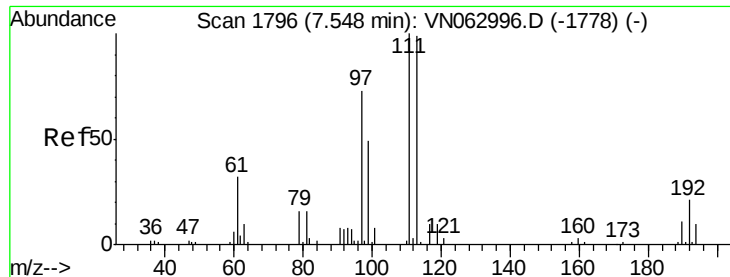
Tgt Ion: 65 Resp: 100212
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063002.D
 Acq: 19 Aug 2020 10:20

Tgt Ion: 114 Resp: 259611
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.2
 88 15.4 0.0 30.6

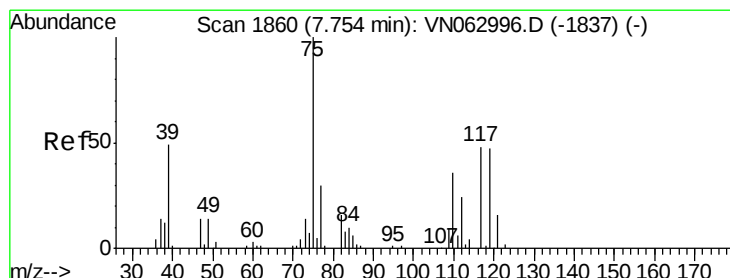
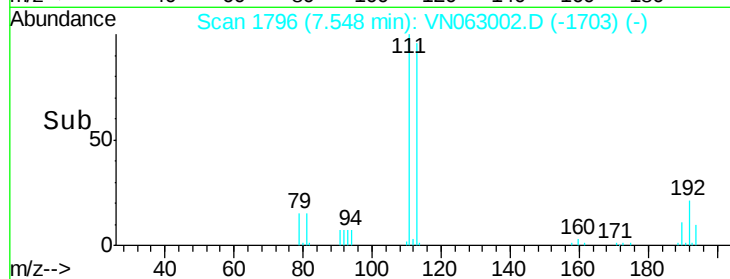
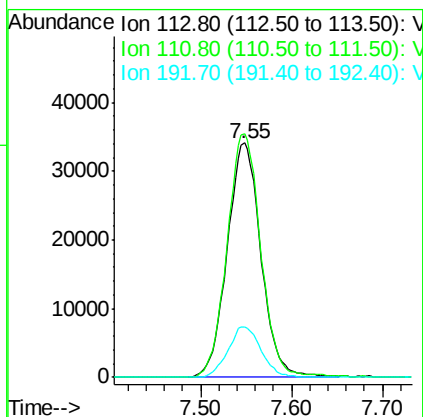
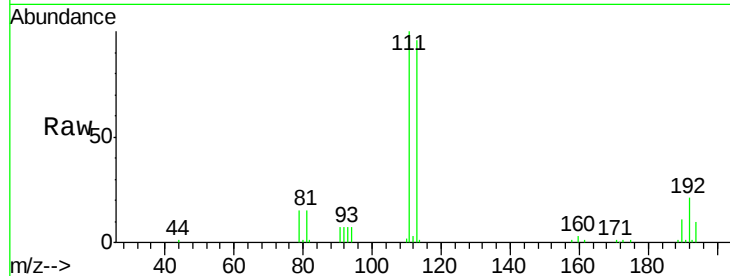




#35
 Dibromofluoromethane
 Concen: 51.933 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN063002.D
 Acq: 19 Aug 2020 10:20

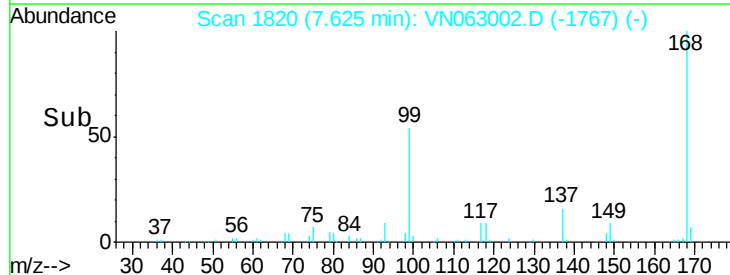
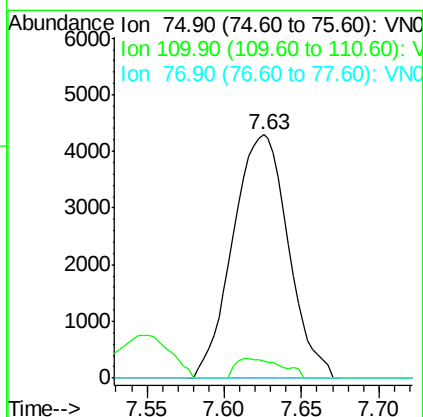
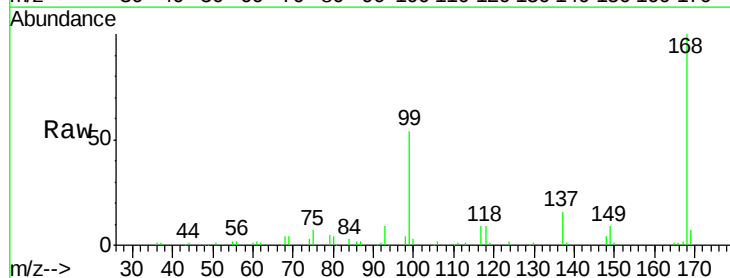
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBL01

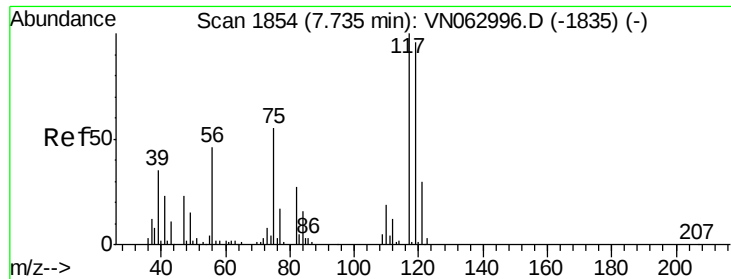
Tgt Ion: 113 Resp: 87851
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.7 122.5
 192 21.1 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 4.663 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN063002.D
 Acq: 19 Aug 2020 10:20

Tgt Ion: 75 Resp: 10668
 Ion Ratio Lower Upper
 75 100
 110 6.6 17.5 52.6#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 6.013 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN063002.D

Acq: 19 Aug 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0819MBL01

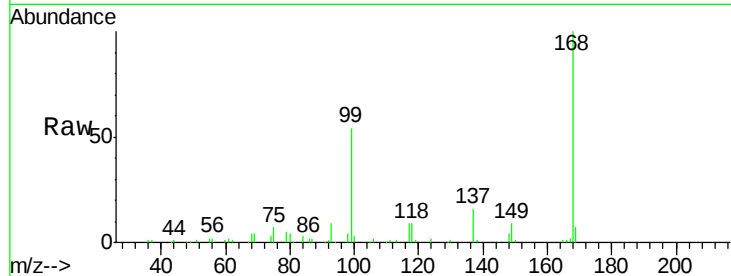
Tgt Ion:117 Resp: 13888

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.4#

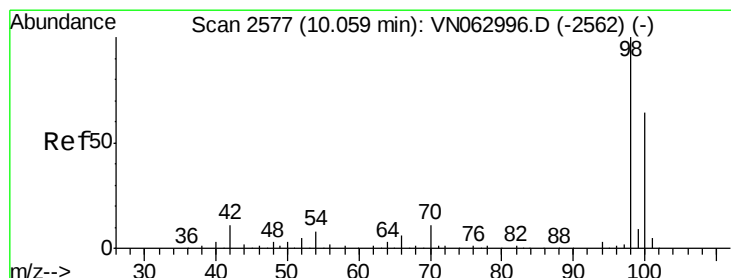
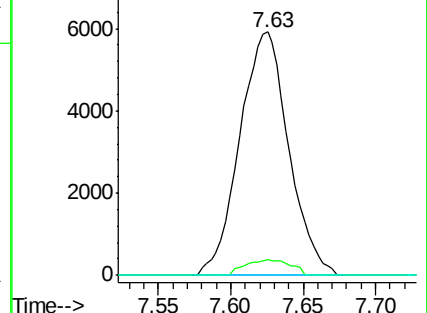
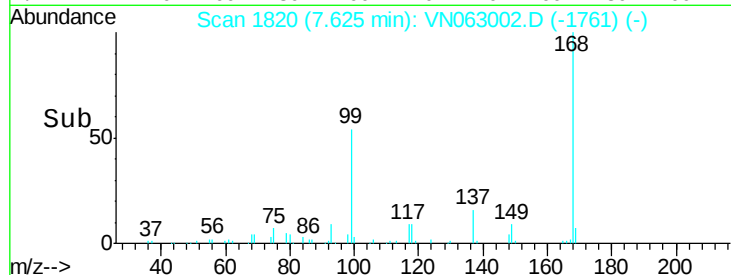
121 0.0 24.2 36.2#



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



#50

Toluene-d8

Concen: 50.033 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN063002.D

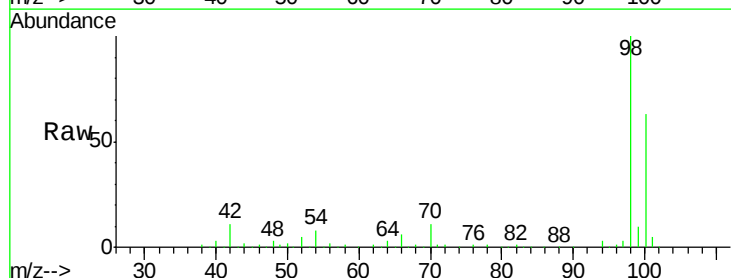
Acq: 19 Aug 2020 10:20

Tgt Ion: 98 Resp: 325091

Ion Ratio Lower Upper

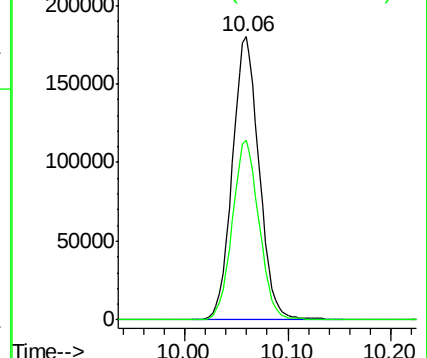
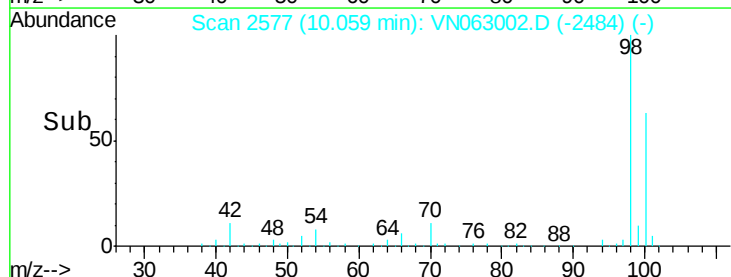
98 100

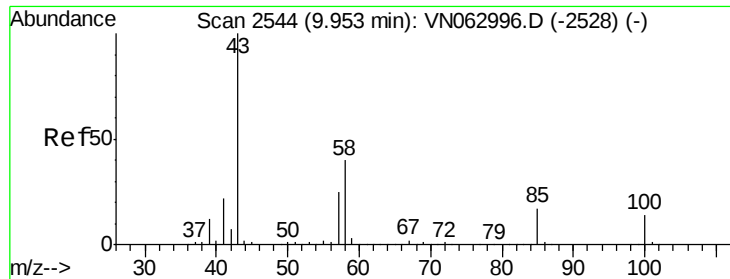
100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

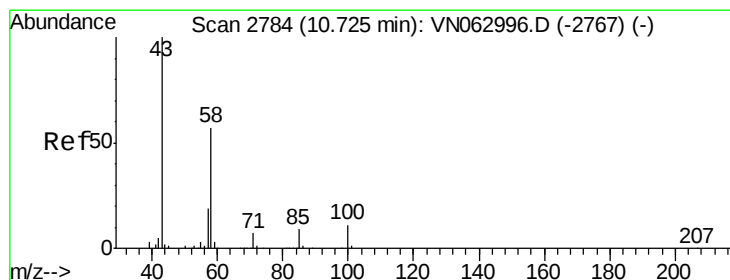
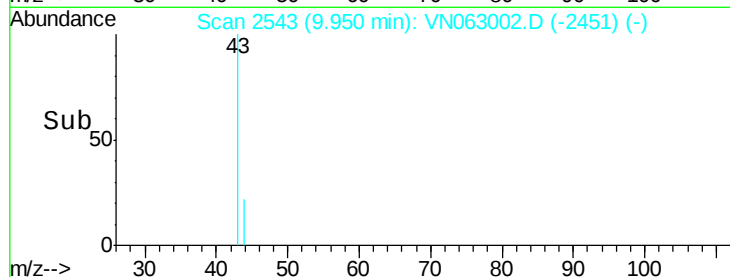
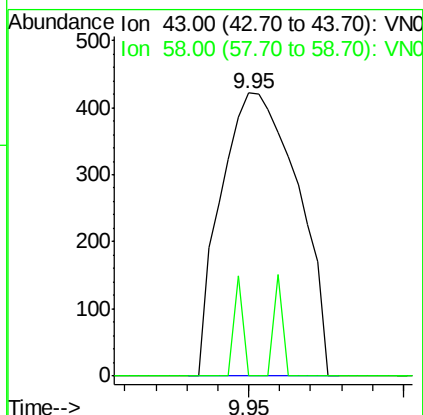
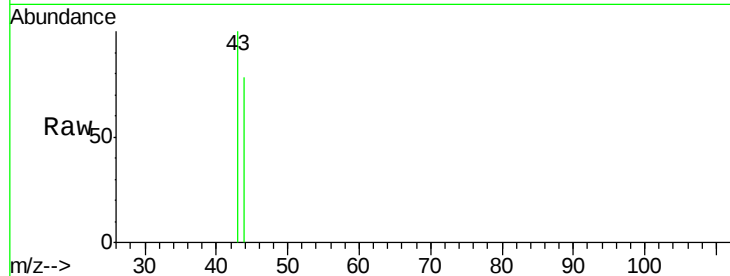




#51
 4-Methyl-2-Pentanone
 Concen: 0.323 ug/l
 RT: 9.95 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: VN063002.D
 Acq: 19 Aug 2020 10:20

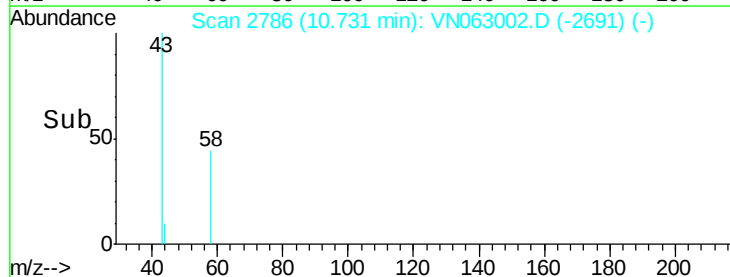
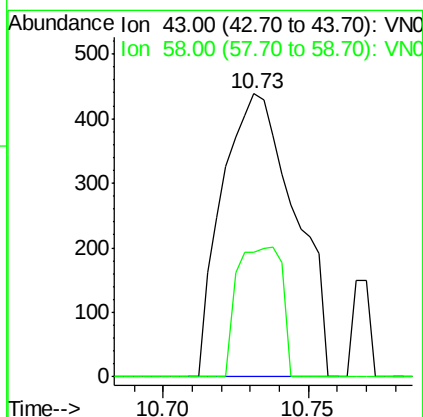
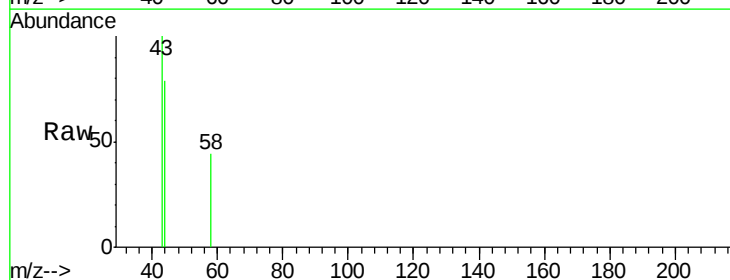
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBL01

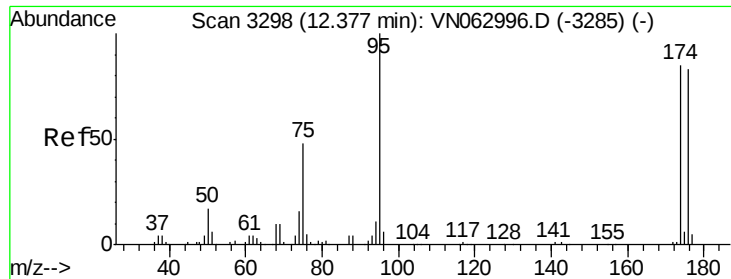
Tgt Ion: 43 Resp: 726
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.2 48.2#



#59
 2-Hexanone
 Concen: 0.489 ug/l
 RT: 10.73 min Scan# 2786
 Delta R.T. 0.01 min
 Lab File: VN063002.D
 Acq: 19 Aug 2020 10:20

Tgt Ion: 43 Resp: 765
 Ion Ratio Lower Upper
 43 100
 58 28.5 28.1 84.3





#62

4-Bromofluorobenzene

Concen: 45.433 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063002.D

Acq: 19 Aug 2020 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0819MBL01

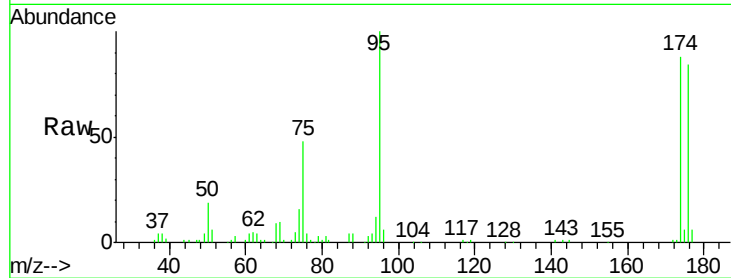
Tgt Ion: 95 Resp: 104172

Ion Ratio Lower Upper

95 100

174 87.8 0.0 170.8

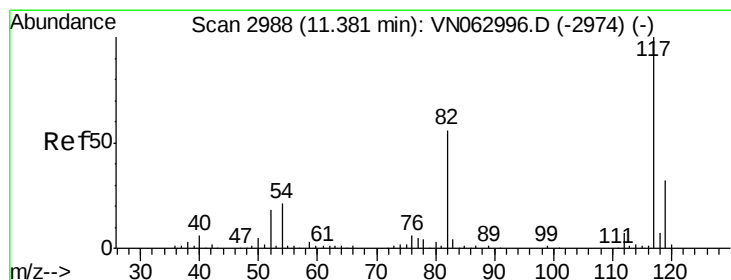
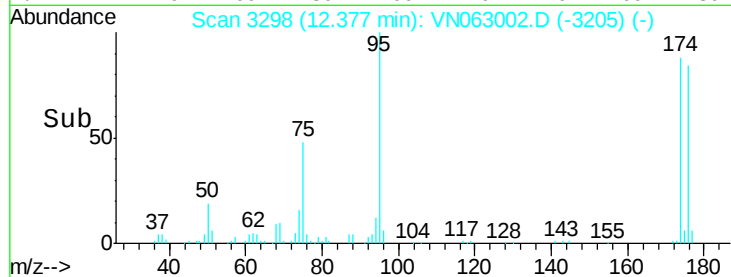
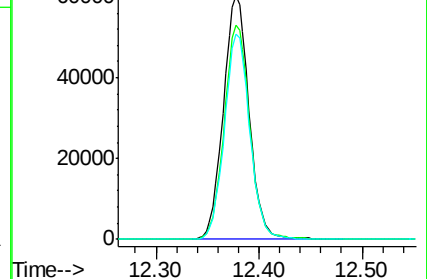
176 83.2 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN062996.D (-3285) (-)

Ion 173.80 (173.50 to 174.50): VN062996.D (-3285) (-)

Ion 175.80 (175.50 to 176.50): VN062996.D (-3285) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN063002.D

Acq: 19 Aug 2020 10:20

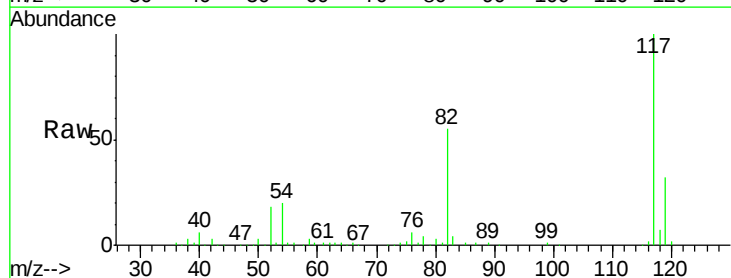
Tgt Ion: 117 Resp: 254305

Ion Ratio Lower Upper

117 100

82 54.8 44.5 66.7

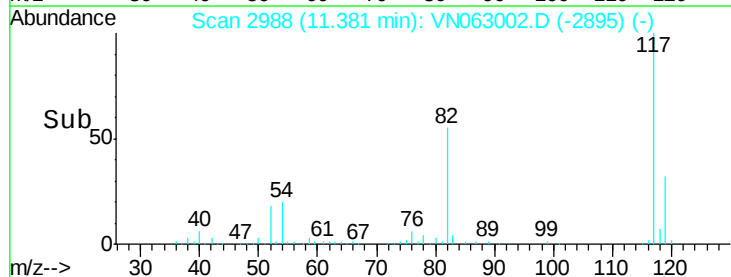
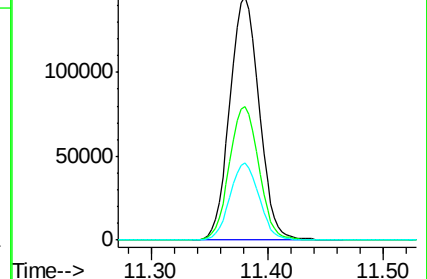
119 31.6 25.5 38.3

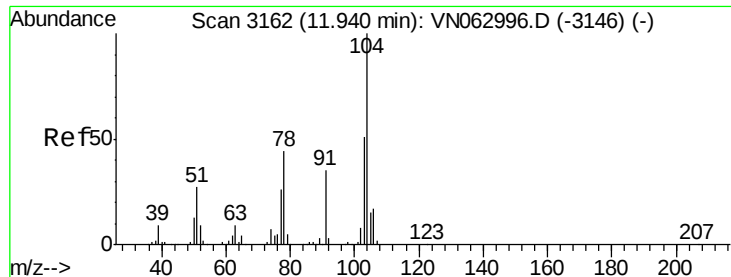


Abundance Ion 116.90 (116.60 to 117.60): VN062996.D (-2974) (-)

Ion 82.00 (81.70 to 82.70): VN062996.D (-2974) (-)

Ion 118.90 (118.60 to 119.60): VN062996.D (-2974) (-)

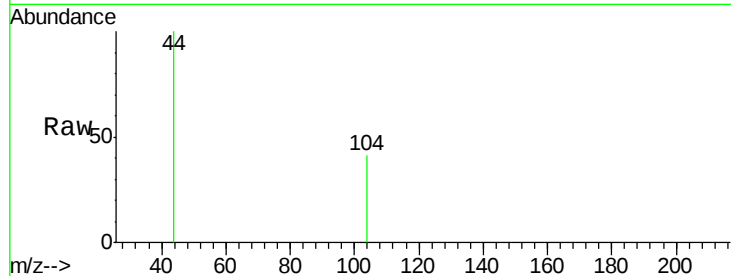




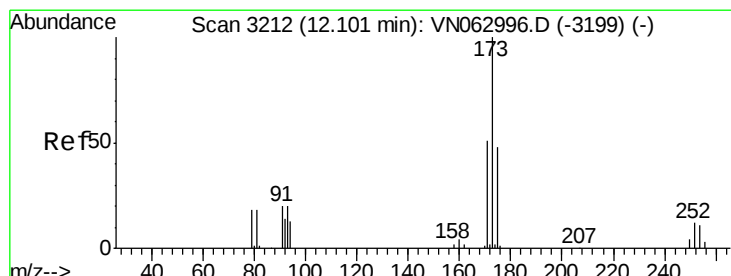
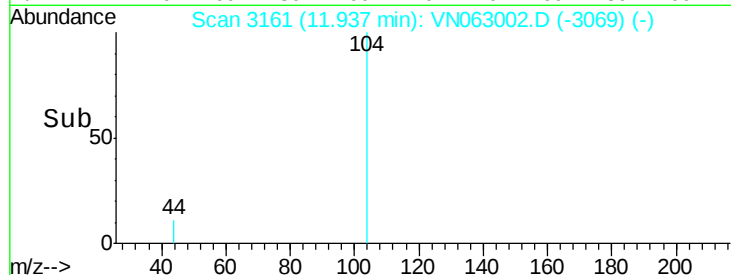
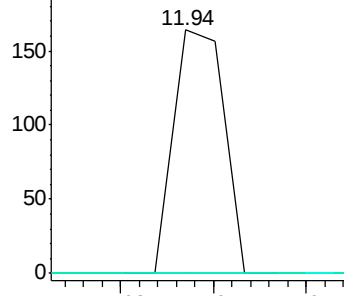
#70
Styrene
Concen: 1.934 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063002.D
Acq: 19 Aug 2020 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0819MBL01

Tgt Ion:104 Resp: 62
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 44.3 66.5#

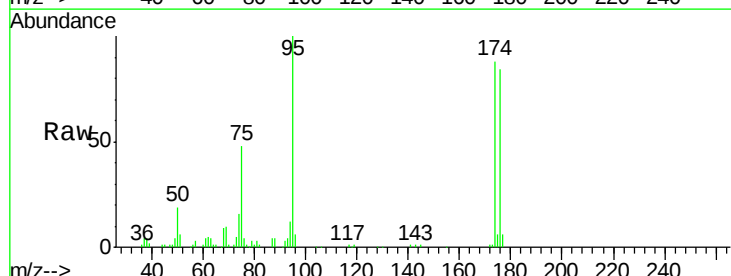


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

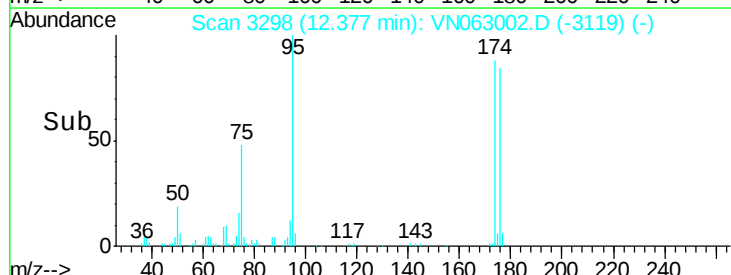
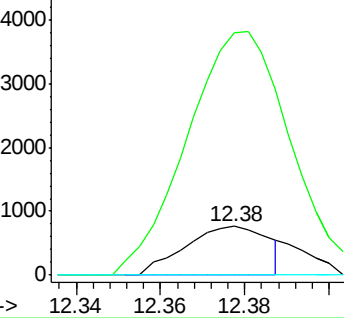


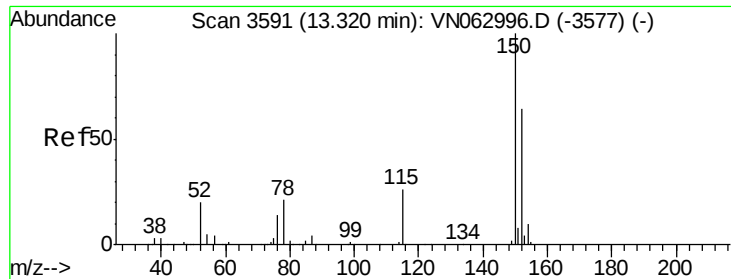
#71
Bromoform
Concen: 0.663 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN063002.D
Acq: 19 Aug 2020 10:20

Tgt Ion:173 Resp: 1049
Ion Ratio Lower Upper
173 100
175 507.9 24.3 72.8#
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: VN063002.D

Acq: 19 Aug 2020 10:20

Instrument :

MSVOA_N

ClientSampled :

VN0819MBL01

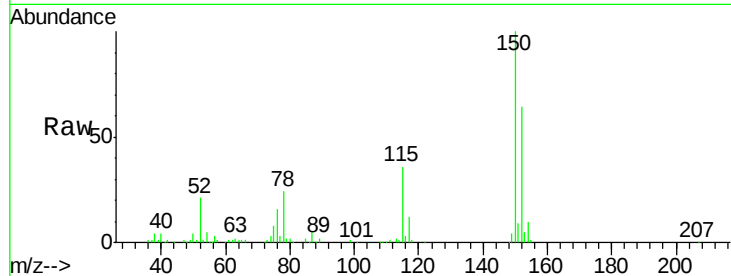
Tgt Ion:152 Resp: 89537

Ion Ratio Lower Upper

152 100

115 56.6 28.7 86.3

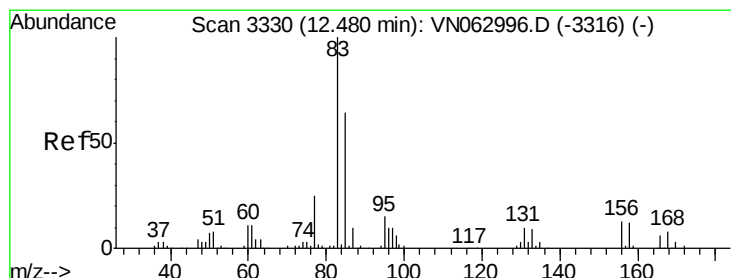
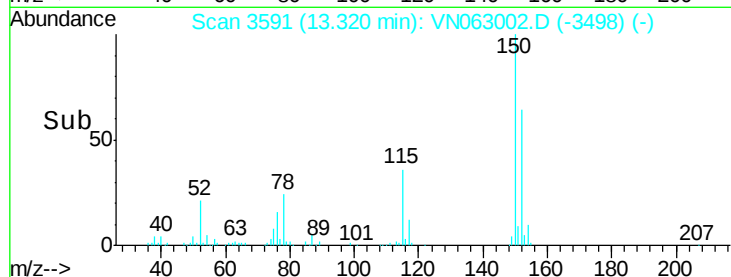
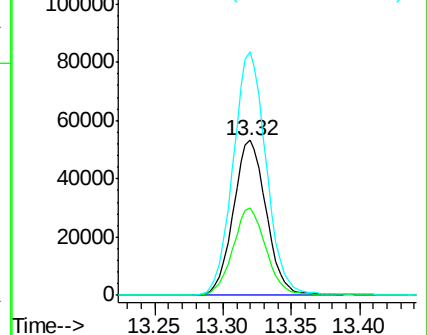
150 158.9 0.0 348.8



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.48 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN063002.D

Acq: 19 Aug 2020 10:20

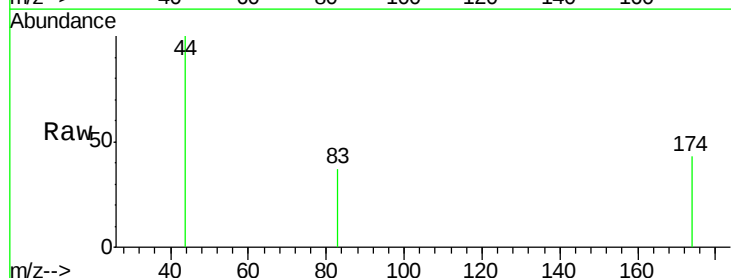
Tgt Ion: 83 Resp: 30

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

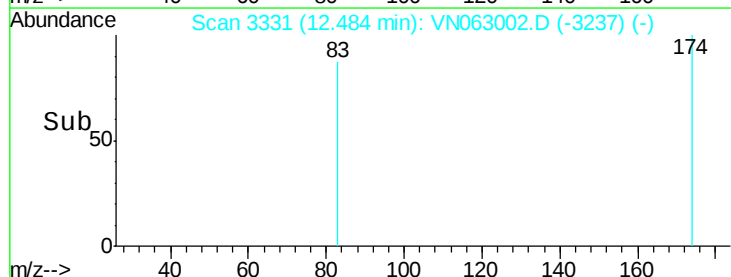
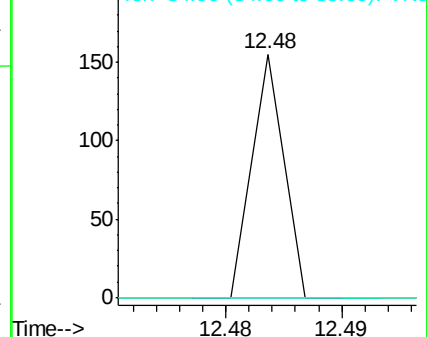
85 0.0 31.9 95.5#

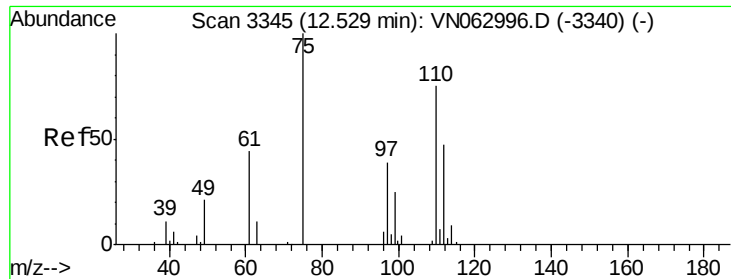


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

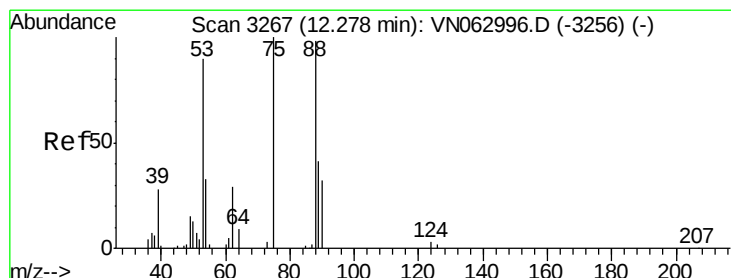
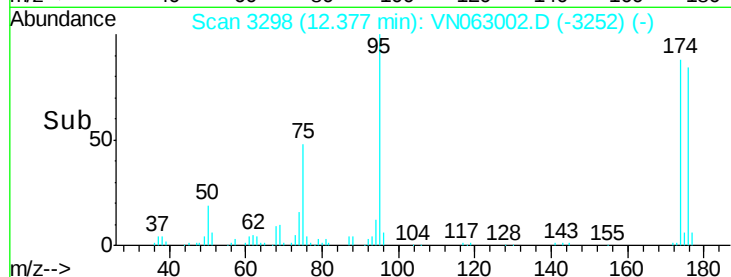
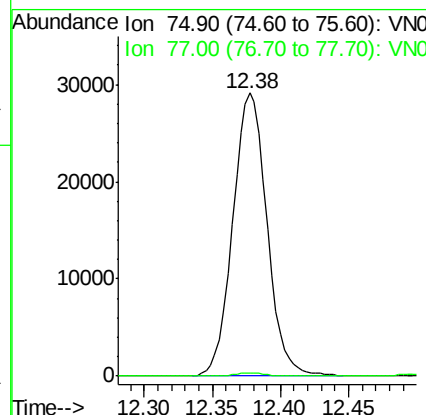
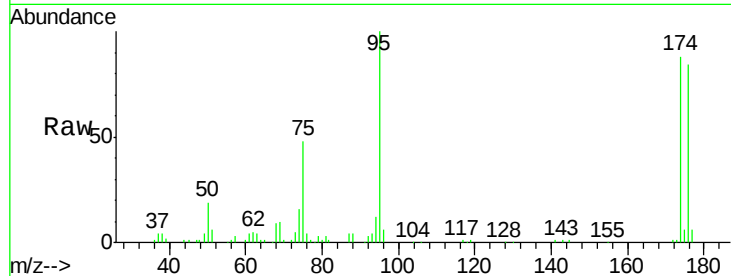




#76
 1,2,3-Trichloropropane
 Concen: 29.076 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN063002.D
 Acq: 19 Aug 2020 10:20

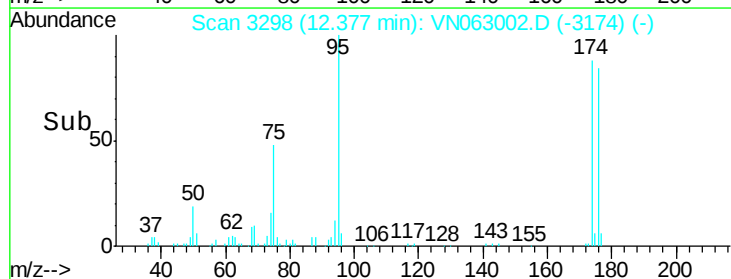
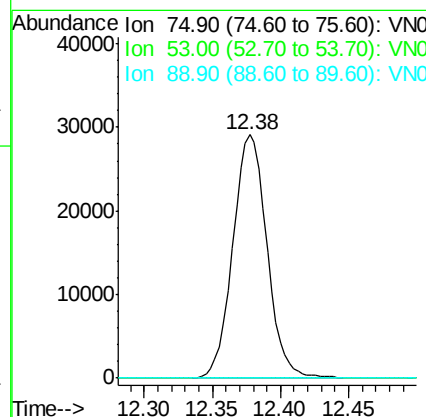
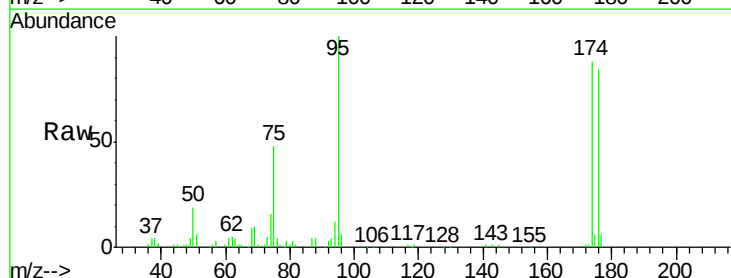
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819MBL01

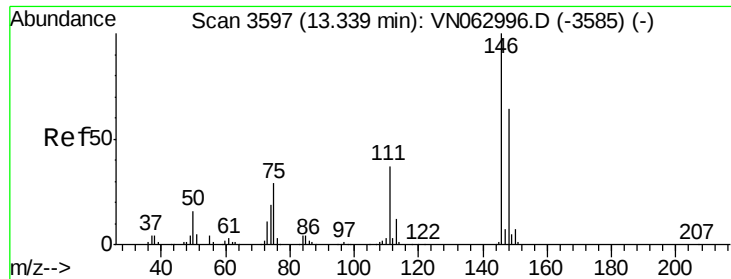
Tgt Ion: 75 Resp: 50604
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.856 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN063002.D
 Acq: 19 Aug 2020 10:20

Tgt Ion: 75 Resp: 50604
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.2 103.8#
 89 0.0 34.2 51.4#





#88

1,4-Dichlorobenzene

Concen: 0.217 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN063002.D

Acq: 19 Aug 2020 10:20

Instrument :

MSVOA_N

ClientSampled :

VN0819MBL01

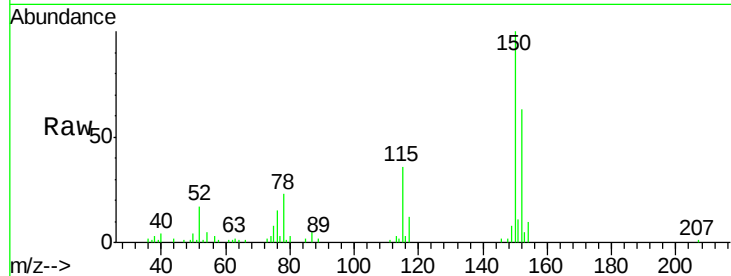
Tgt Ion:146 Resp: 638

Ion Ratio Lower Upper

146 100

111 196.9 18.8 56.4#

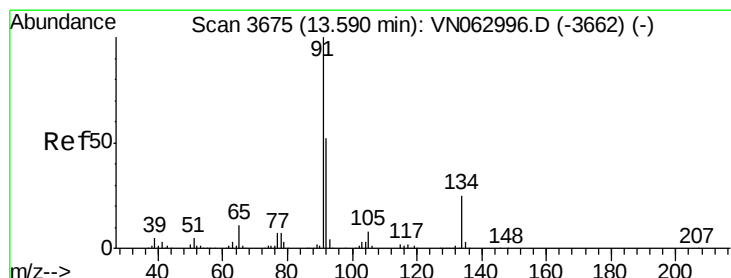
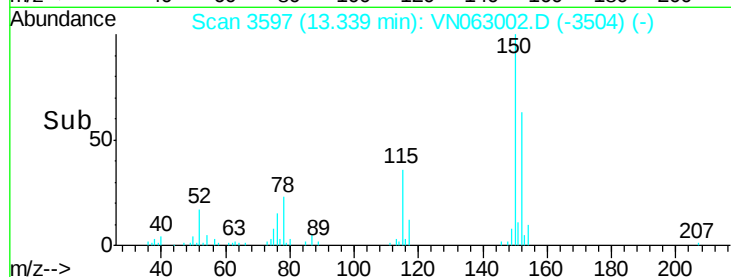
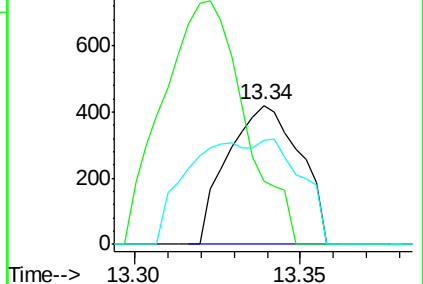
148 70.4 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 2.983 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN063002.D

Acq: 19 Aug 2020 10:20

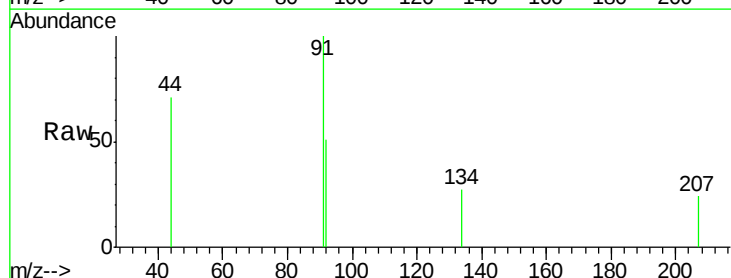
Tgt Ion: 91 Resp: 1099

Ion Ratio Lower Upper

91 100

92 44.6 25.9 77.6

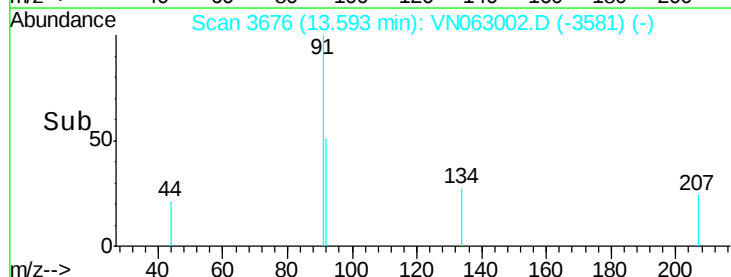
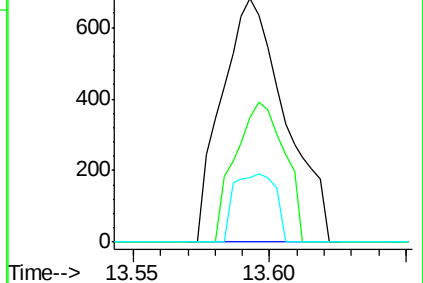
134 18.4 12.4 37.0

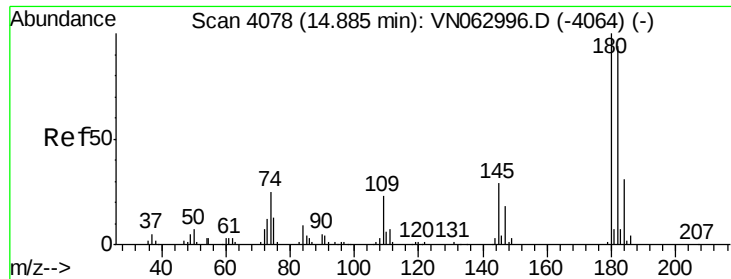


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

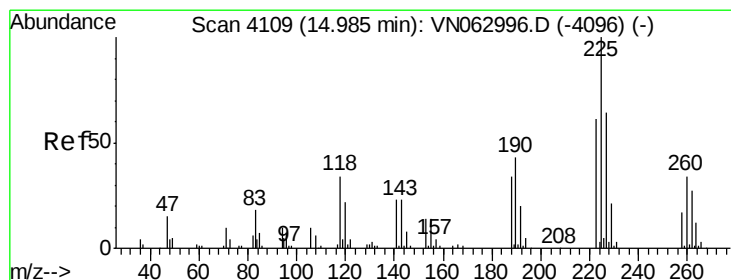
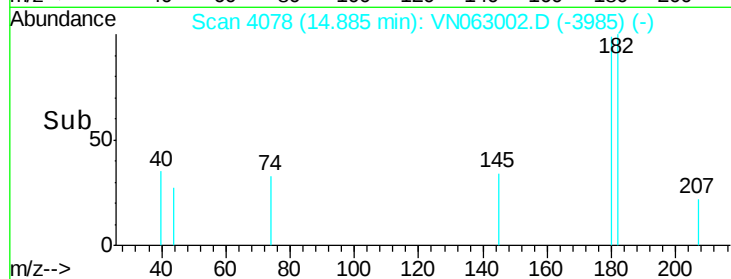
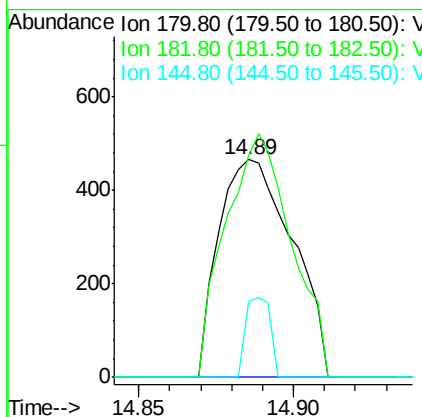
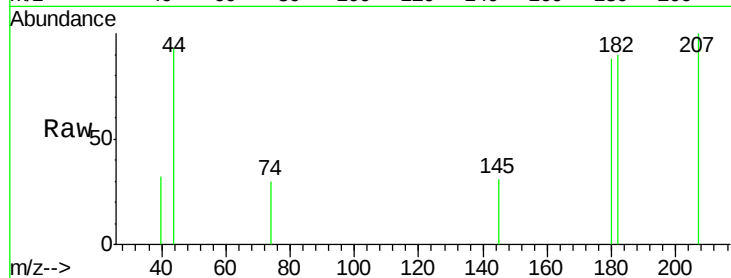




#93
 1,2,4-Trichlorobenzene
 Concen: 4.998 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063002.D
 Acq: 19 Aug 2020 10:20

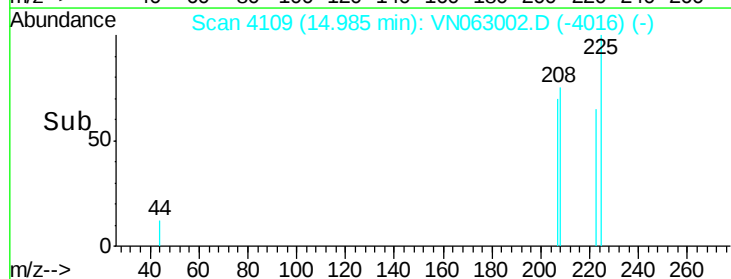
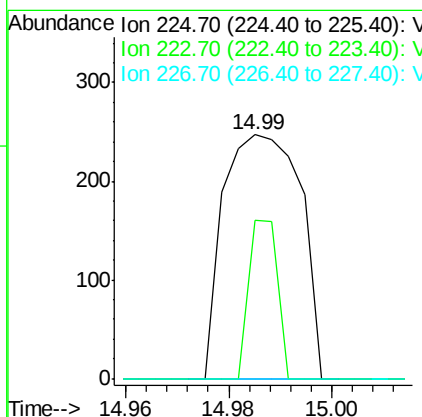
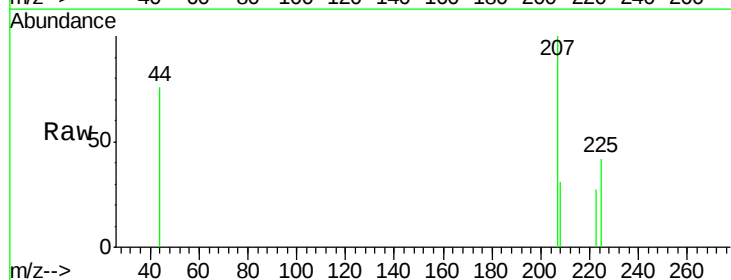
Instrument :
 MSVOA_N
 ClientSampled :
 VN0819MBL01

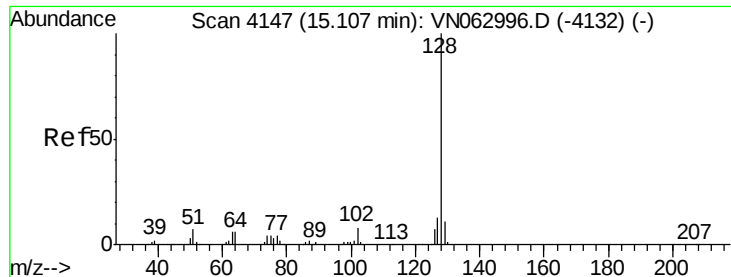
Tgt Ion:180 Resp: 773
 Ion Ratio Lower Upper
 180 100
 182 99.7 47.0 141.2
 145 12.3 14.1 42.4#



#94
 Hexachlorobutadiene
 Concen: 0.247 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN063002.D
 Acq: 19 Aug 2020 10:20

Tgt Ion:225 Resp: 255
 Ion Ratio Lower Upper
 225 100
 223 24.3 30.9 92.5#
 227 0.0 31.9 95.9#





#95

Naphthalene

Concen: 6.445 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.00 min

Lab File: VN063002.D

Acq: 19 Aug 2020 10:20

Instrument :

MSVOA_N

ClientSampled :

VN0819MBL01

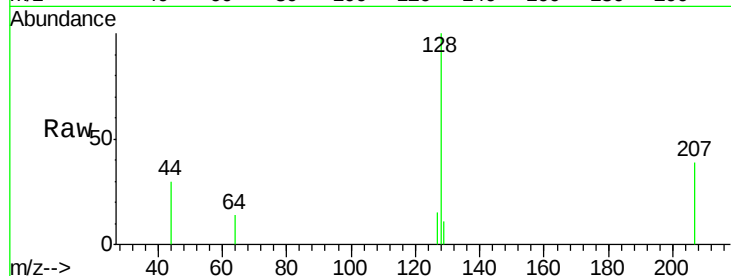
Tgt Ion:128 Resp: 3234

Ion Ratio Lower Upper

128 100

127 7.5 10.6 16.0#

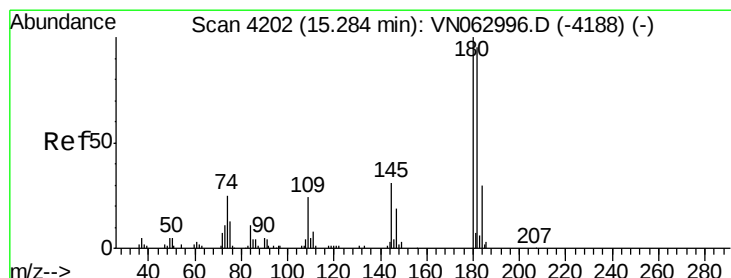
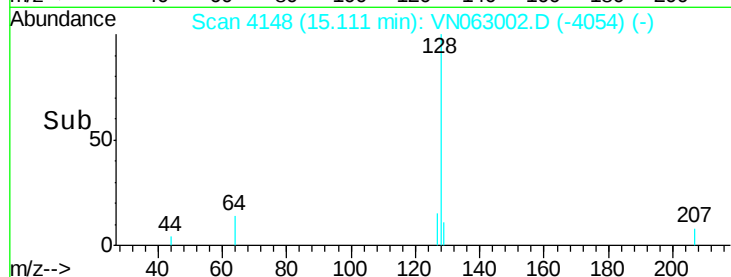
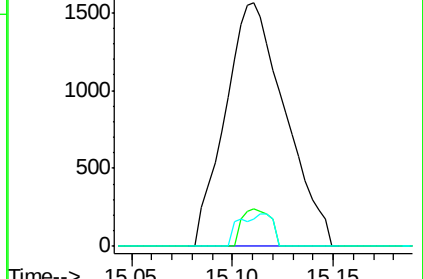
129 7.5 8.9 13.3#



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: 4.818 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN063002.D

Acq: 19 Aug 2020 10:20

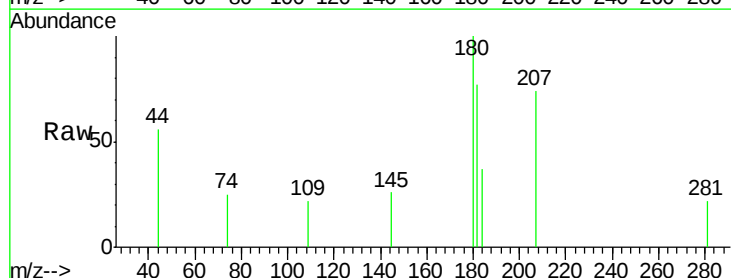
Tgt Ion:180 Resp: 1408

Ion Ratio Lower Upper

180 100

182 82.4 47.3 141.9

145 12.7 15.6 46.7#



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

