

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081320\
 Data File : VN062902.D
 Acq On : 13 Aug 2020 11:17
 Operator : JC/MD
 Sample : VN0813MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBL01

Quant Time: Aug 14 05:03:22 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	123746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	212739	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	208122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	76547	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	103104	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
35) Dibromofluoromethane	7.54	113	74111	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
50) Toluene-d8	10.06	98	277345	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	12.38	95	96669	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

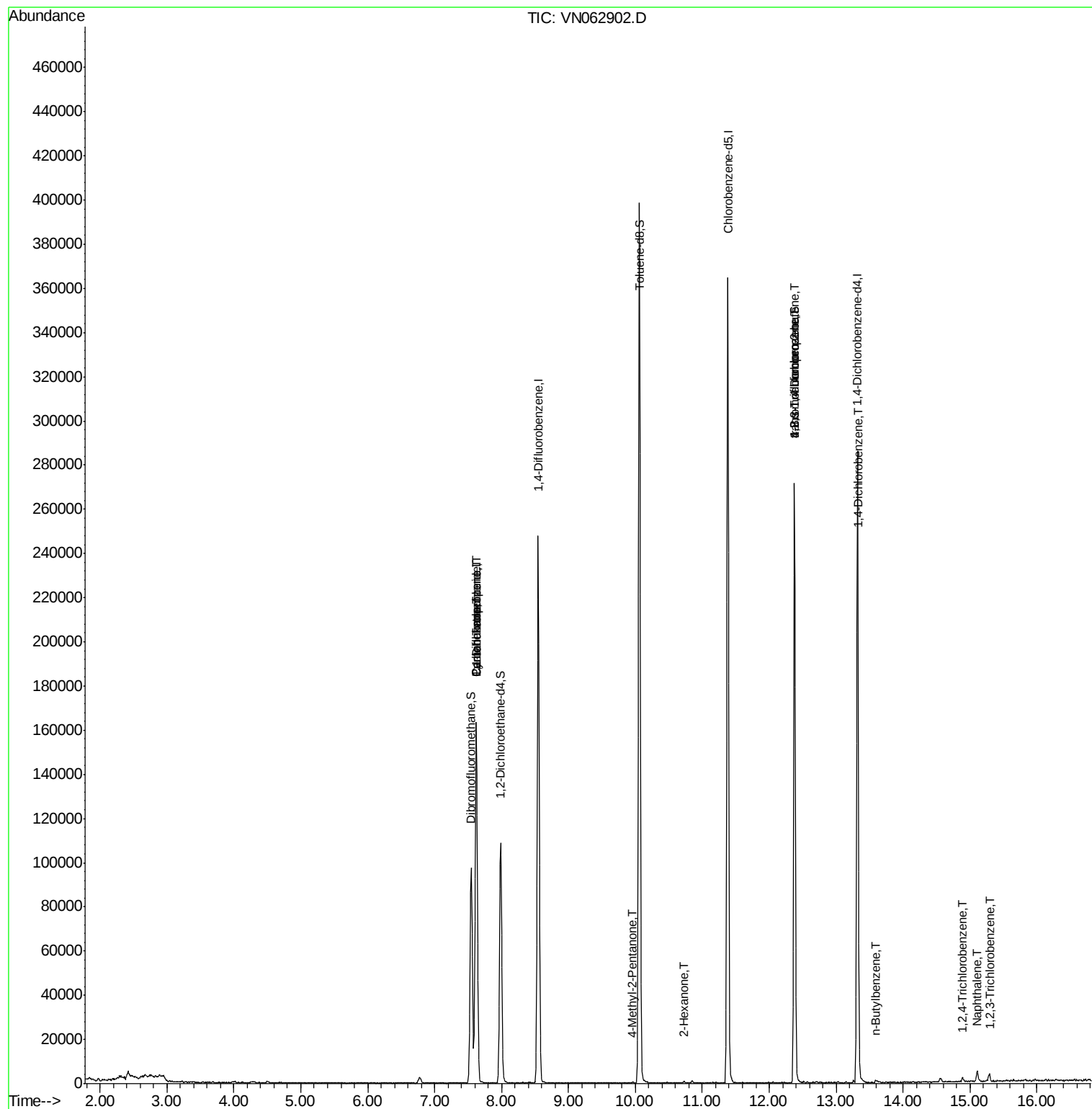
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.00	76	209	Below Cal	#	74
18) Methyl Acetate	4.28	43	462	Below Cal	#	52
20) Methylene Chloride	4.50	84	302	Below Cal	#	62
31) Cyclohexane	7.62	56	2910	1.173	ug/l #	38
36) 1,1-Dichloropropene	7.62	75	10119	4.885	ug/l #	55
38) Carbon Tetrachloride	7.62	117	13730	5.604	ug/l #	17
51) 4-Methyl-2-Pentanone	9.96	43	650	0.278	ug/l #	36
59) 2-Hexanone	10.73	43	986	0.566	ug/l	68
76) 1,2,3-Trichloropropane	12.38	75	52073	25.224	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	52073	77.003	ug/l #	10
88) 1,4-Dichlorobenzene	13.34	146	573	0.223	ug/l #	39
89) n-Butylbenzene	13.60	91	1287	0.309	ug/l #	64
93) 1,2,4-Trichlorobenzene	14.89	180	1001	4.048	ug/l #	55
95) Naphthalene	15.11	128	5186	5.073	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.29	180	1345	3.742	ug/l	90

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

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Quant Time: Aug 14 05:03:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
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: VN062902.D

Acq: 13 Aug 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

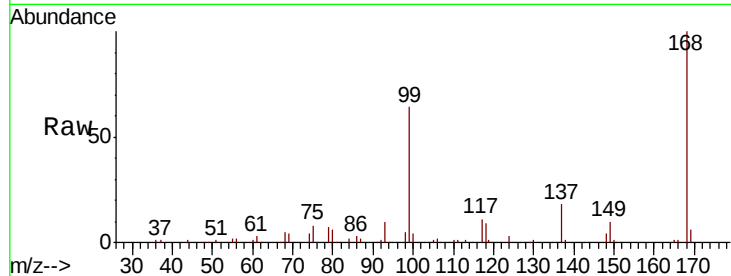
VN0813MBL01

Tot Ion:168 Resp: 123746

Ion Ratio Lower Upper

168 100

99 64.1 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062756.D (-1802) (-)

Ion 98.90 (98.60 to 99.60): VN062756.D (-1802) (-)

7.62

60000

50000

40000

30000

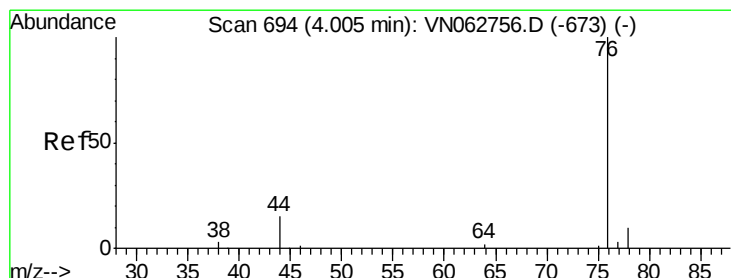
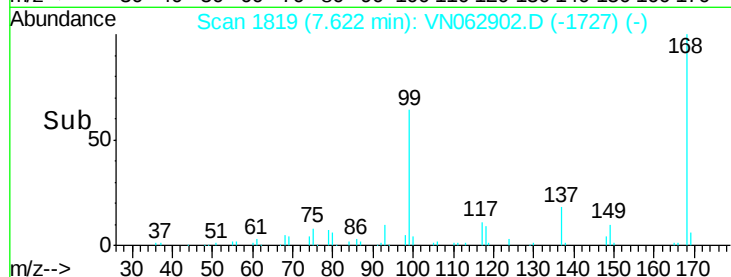
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062902.D

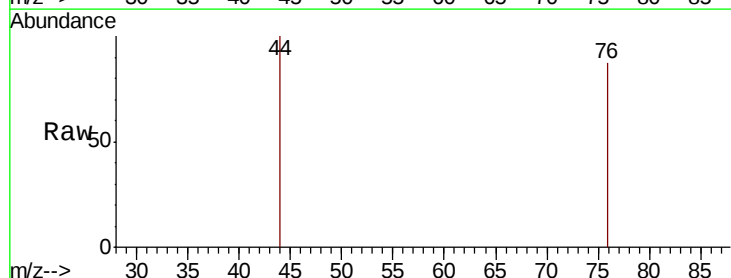
Acq: 13 Aug 2020 11:17

Tgt Ion: 76 Resp: 209

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062756.D (-673) (-)

Ion 77.90 (77.60 to 78.60): VN062756.D (-673) (-)

4.00

500

400

300

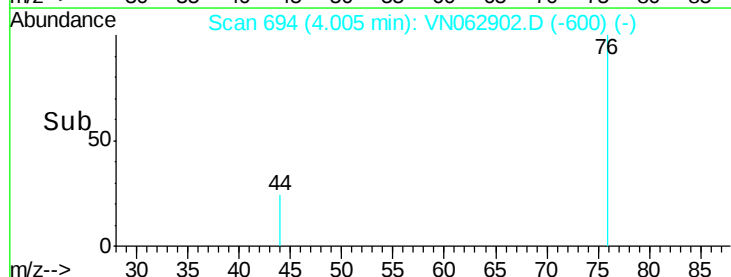
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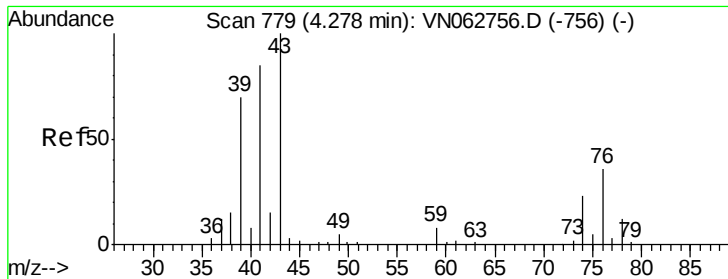
100

0

3.99 4.00 4.01 4.02

Time-->

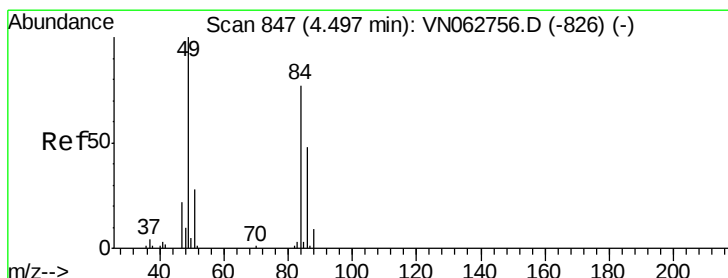
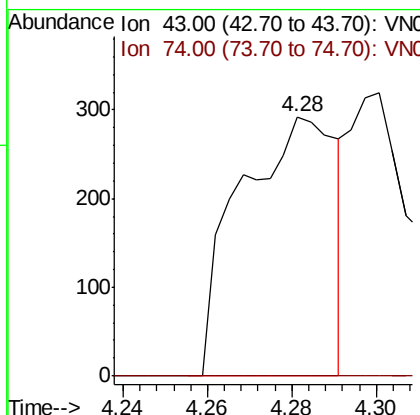
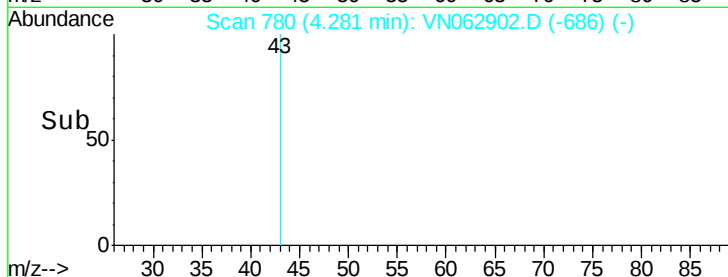
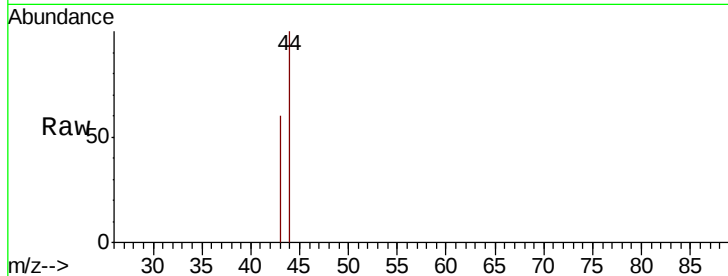




#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062902.D
Acq: 13 Aug 2020 11:17

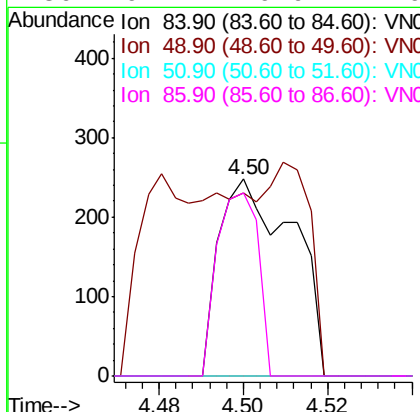
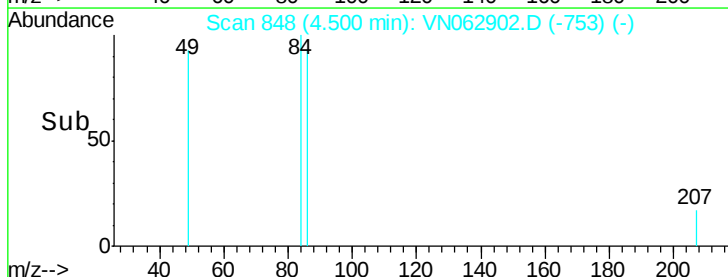
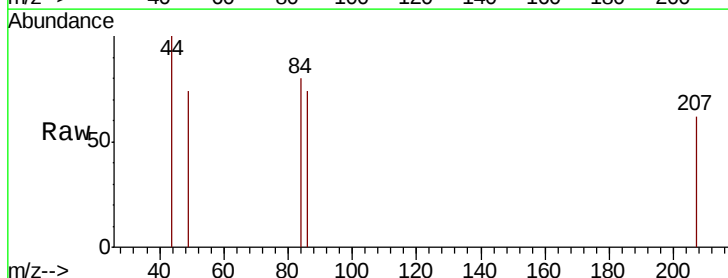
Instrument :
MSVOA_N
ClientSampled :
VN0813MBL01

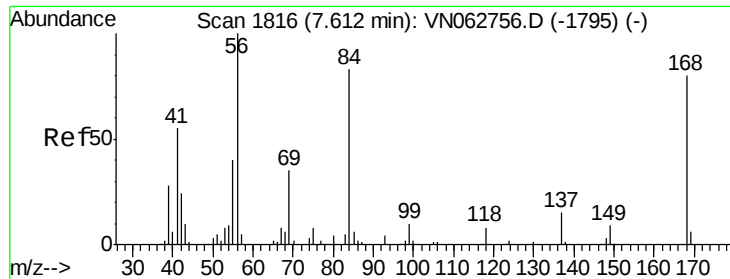
Tot Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062902.D
Acq: 13 Aug 2020 11:17

Tgt Ion: 84 Resp: 302
Ion Ratio Lower Upper
84 100
49 92.7 103.4 155.2#
51 0.0 29.3 43.9#
86 92.7 49.9 74.9#

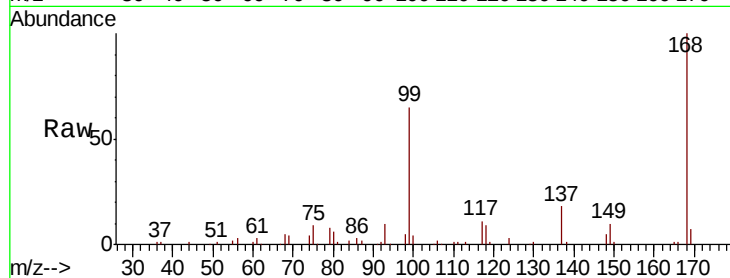




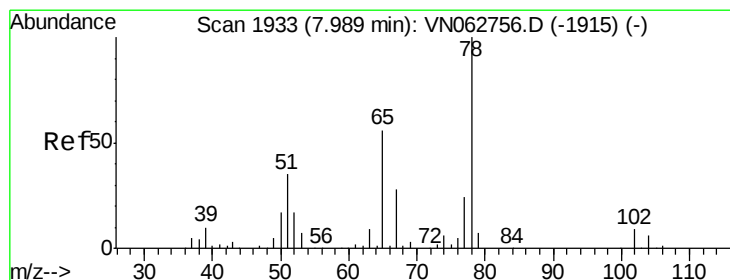
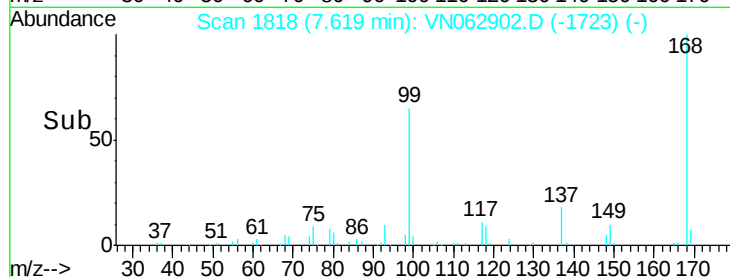
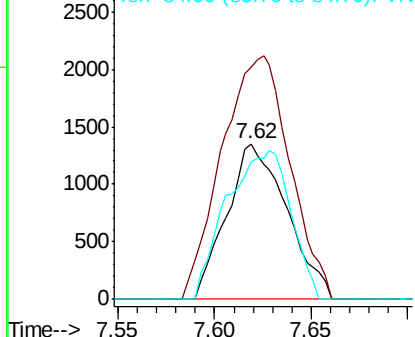
#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.62 min Scan# 1816
Delta R.T. 0.01 min
Lab File: VN062902.D
Acq: 13 Aug 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBL01

Tot Ion: 56 Resp: 2910
Ion Ratio Lower Upper
56 100
69 148.9 28.1 42.1#
84 88.7 66.8 100.2

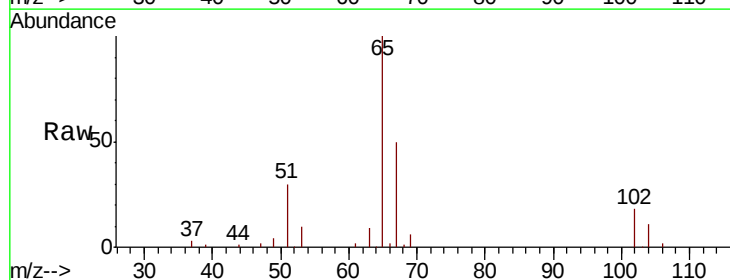


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

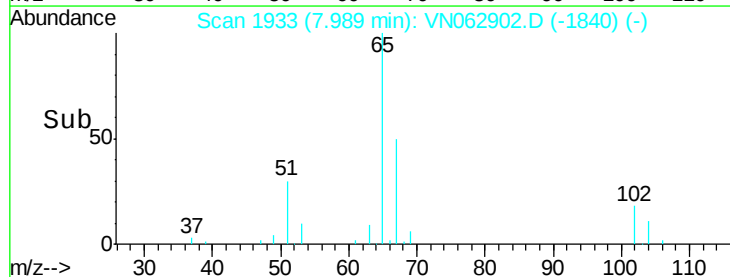
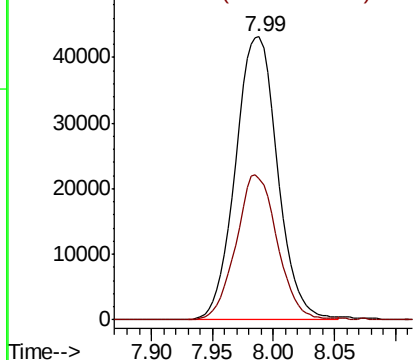


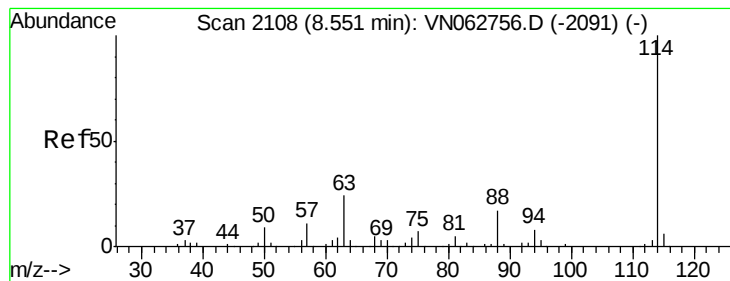
#33
1,2-Dichloroethane-d4
Concen: 50.384 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062902.D
Acq: 13 Aug 2020 11:17

Tgt Ion: 65 Resp: 103104
Ion Ratio Lower Upper
65 100
67 50.3 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: VN062902.D

Acq: 13 Aug 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBL01

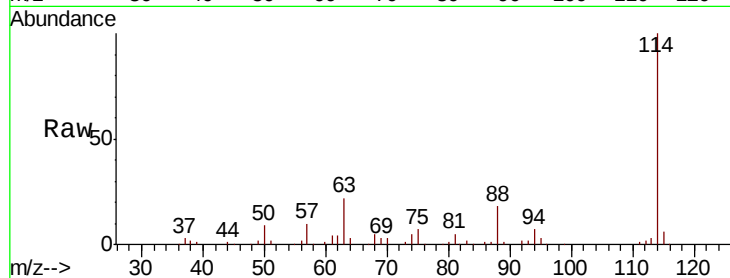
Tot Ion:114 Resp: 212739

Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.6

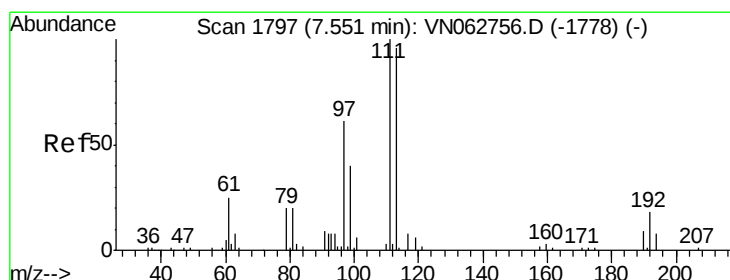
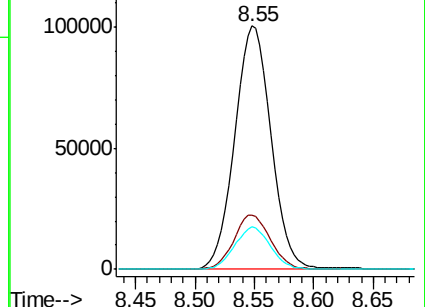
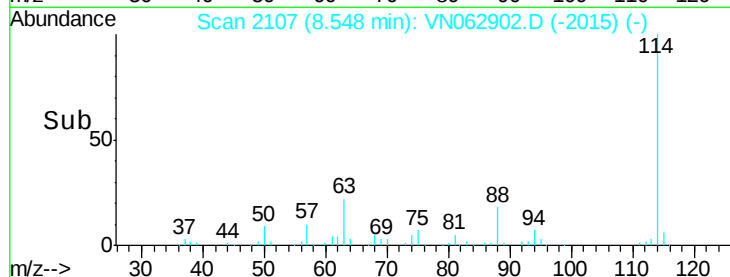
88 17.5 0.0 34.4



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: 50.926 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VN062902.D

Acq: 13 Aug 2020 11:17

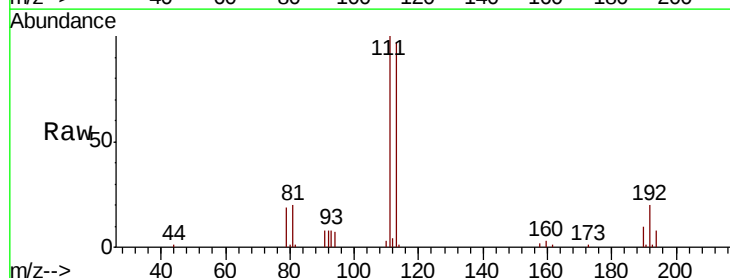
Tgt Ion:113 Resp: 74111

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.6

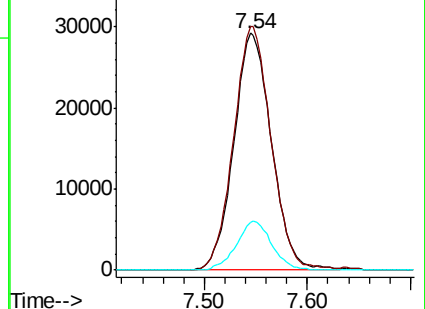
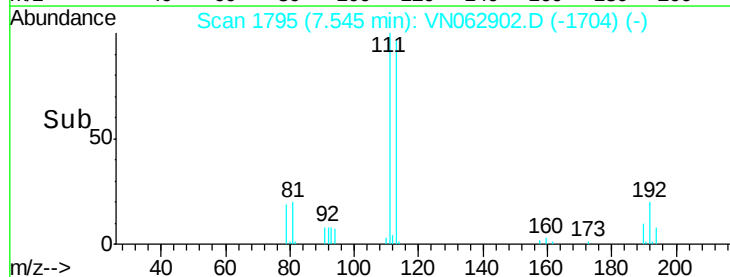
192 19.2 15.0 22.4

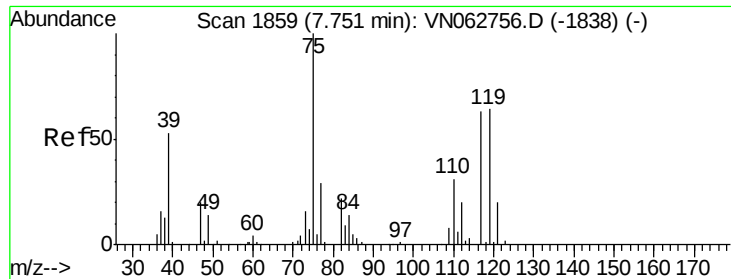


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

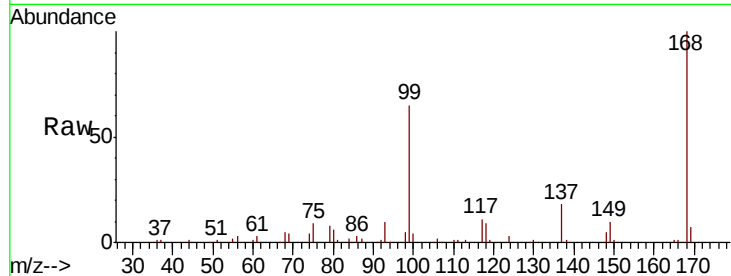




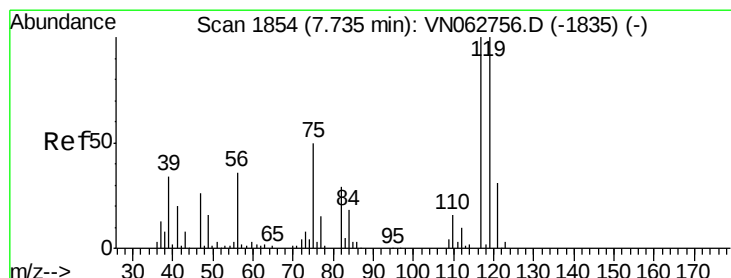
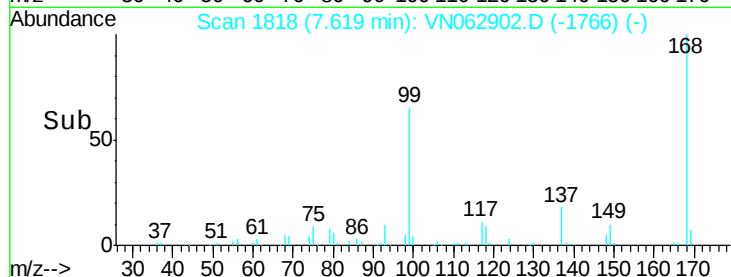
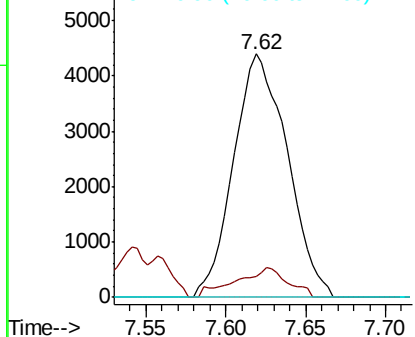
#36
 1,1-Dichloropropene
 Concen: 4.885 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.13 min
 Lab File: VN062902.D
 Acq: 13 Aug 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBL01

Tot Ion	75	Resp	10119
Ion Ratio	Lower	Upper	
75	100		
110	11.9	15.6	46.7#
77	0.0	24.1	36.1#

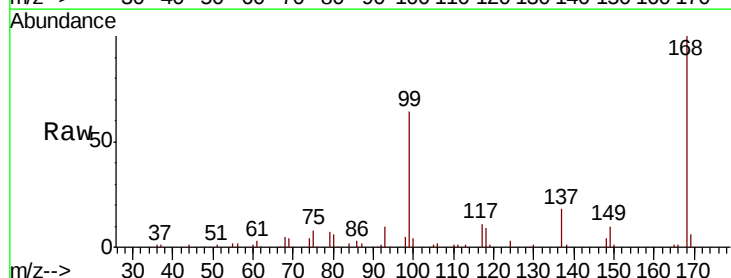


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

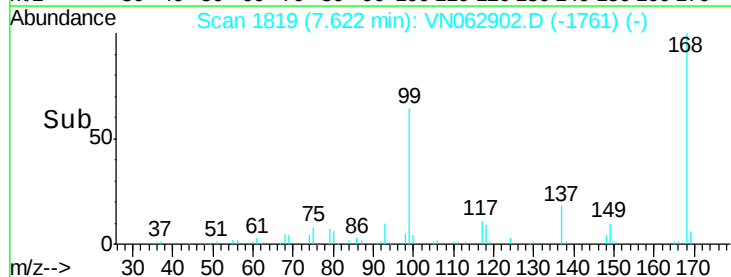
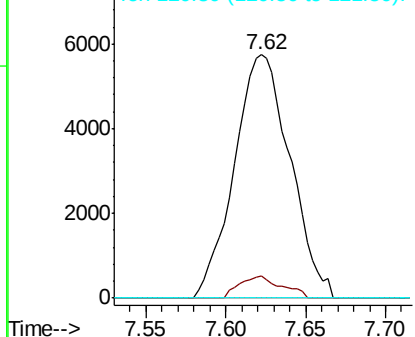


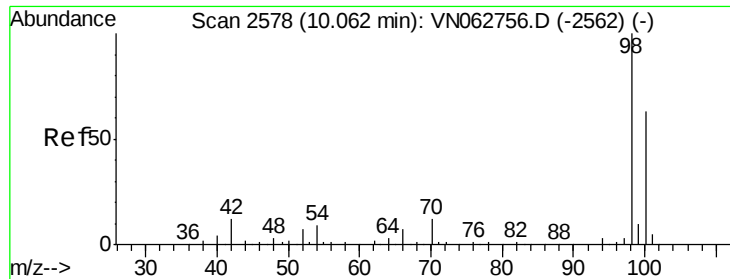
#38
 Carbon Tetrachloride
 Concen: 5.604 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062902.D
 Acq: 13 Aug 2020 11:17

Tgt Ion	117	Resp	13730
Ion Ratio	Lower	Upper	
117	100		
119	9.0	79.4	119.2#
121	0.0	24.9	37.3#



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: 48.816 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062902.D

Acq: 13 Aug 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

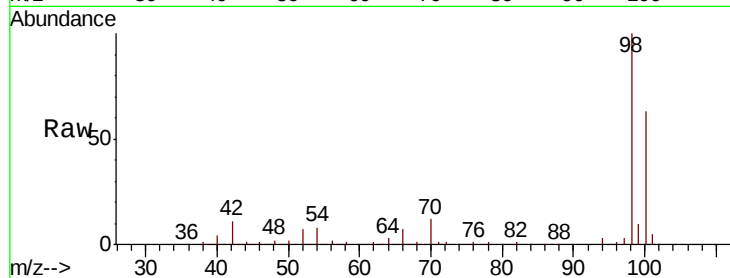
VN0813MBL01

Tot Ion: 98 Resp: 277345

Ion Ratio Lower Upper

98 100

100 61.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062756.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062756.D (-2562) (-)

10.06

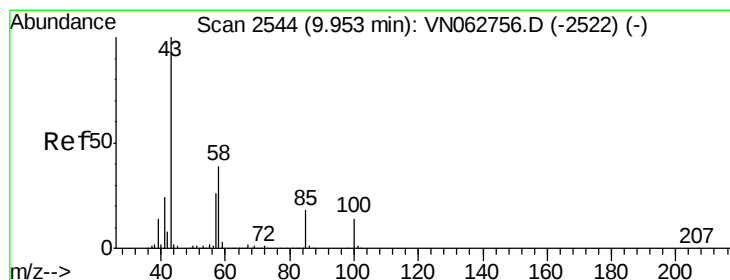
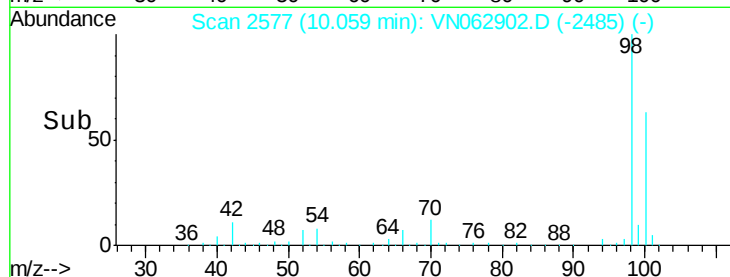
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.278 ug/l

RT: 9.96 min Scan# 2546

Delta R.T. 0.01 min

Lab File: VN062902.D

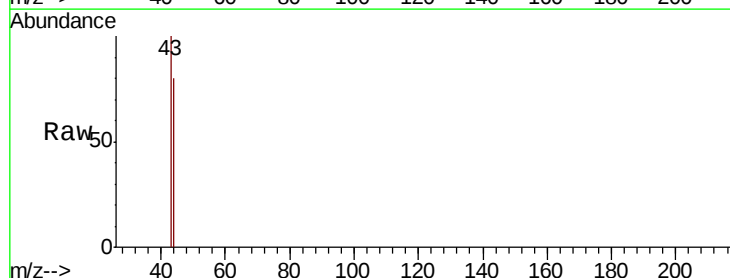
Acq: 13 Aug 2020 11:17

Tgt Ion: 43 Resp: 650

Ion Ratio Lower Upper

43 100

58 0.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062756.D (-2522) (-)

9.96

400

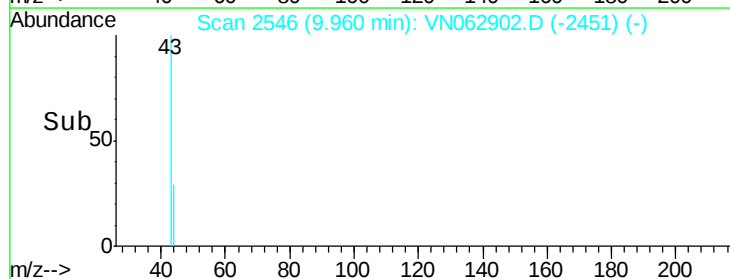
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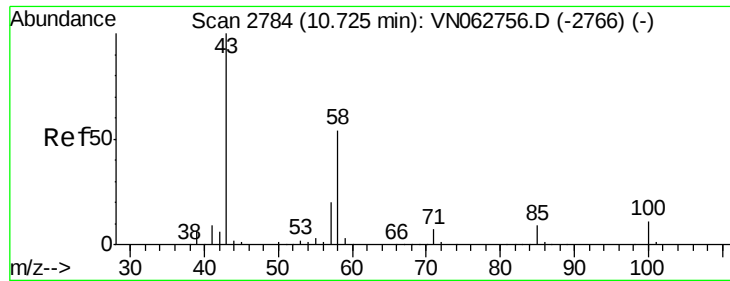
200

100

0

Time-->





#59

2-Hexanone

Concen: 0.566 ug/l

RT: 10.73 min Scan# 2786

Delta R.T. 0.01 min

Lab File: VN062902.D

Acq: 13 Aug 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

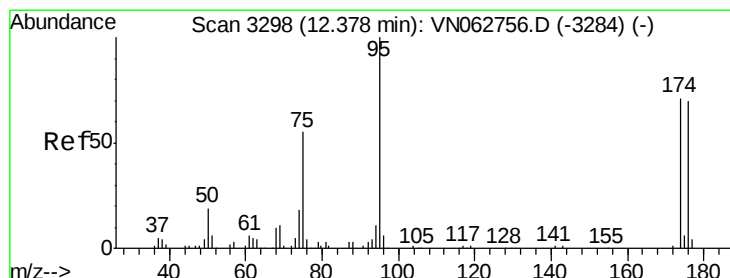
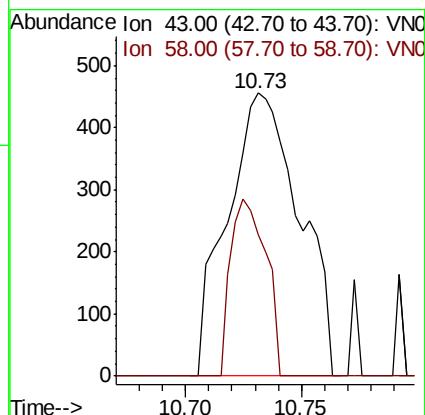
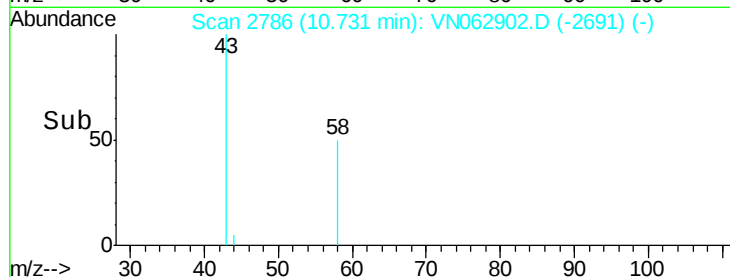
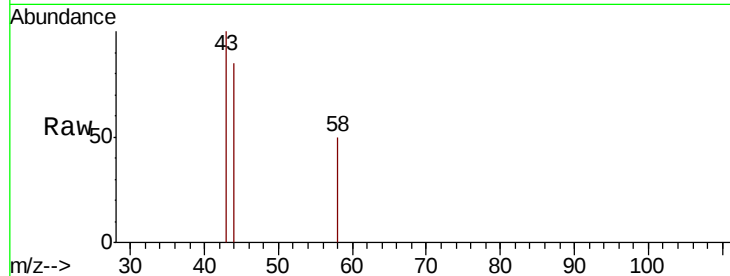
VN0813MBL01

Tot Ion: 43 Resp: 986

Ion Ratio Lower Upper

43 100

58 30.6 26.7 80.1



#62

4-Bromofluorobenzene

Concen: 45.025 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062902.D

Acq: 13 Aug 2020 11:17

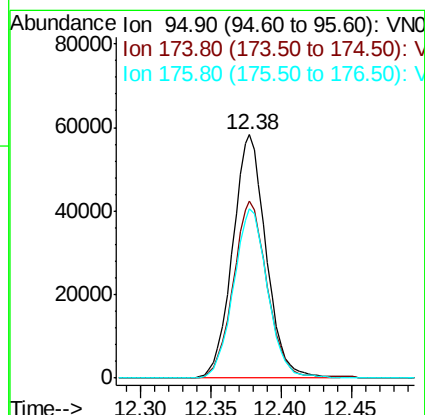
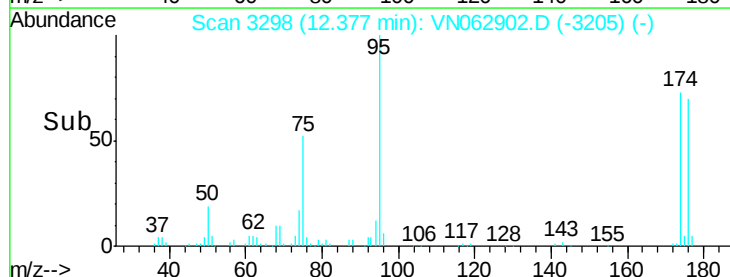
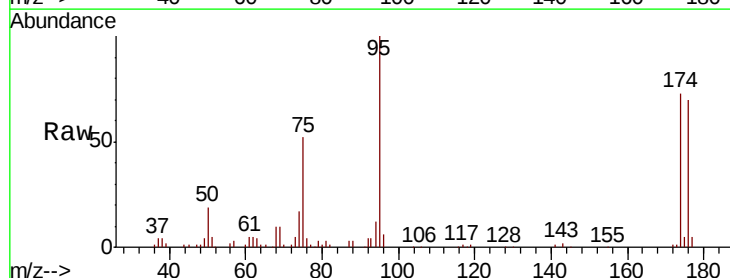
Tgt Ion: 95 Resp: 96669

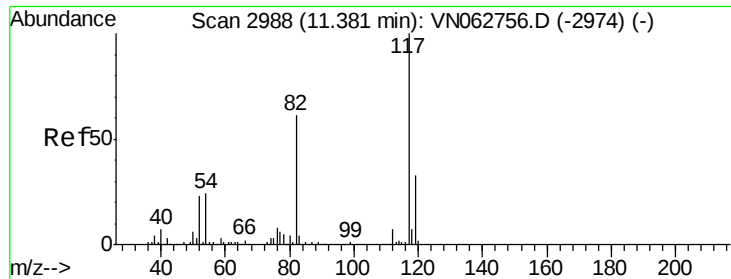
Ion Ratio Lower Upper

95 100

174 74.2 0.0 144.8

176 71.0 0.0 142.2

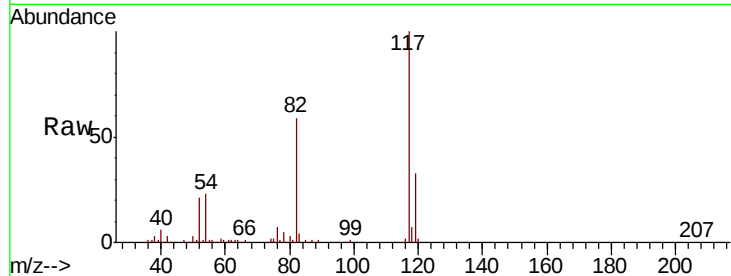




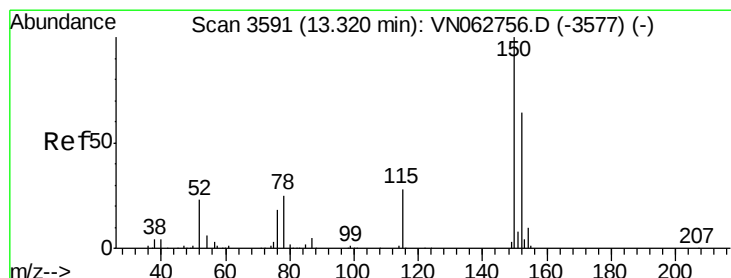
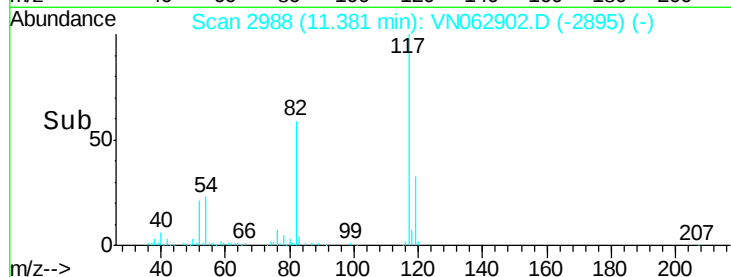
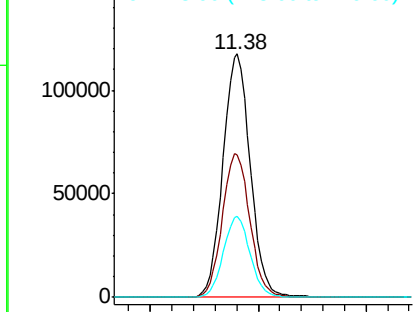
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062902.D
Acq: 13 Aug 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBL01

Tot Ion:117 Resp: 208122
Ion Ratio Lower Upper
117 100
82 58.6 49.0 73.4
119 33.5 26.2 39.2

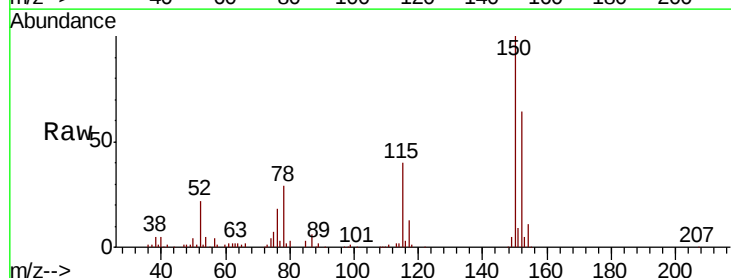


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

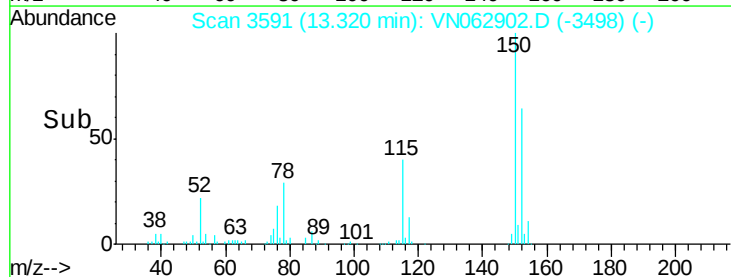
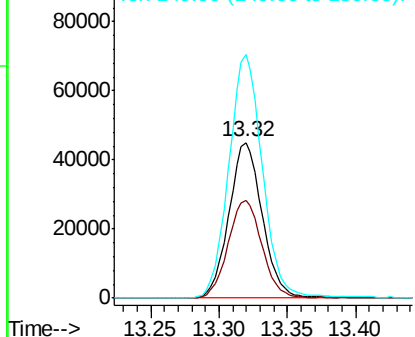


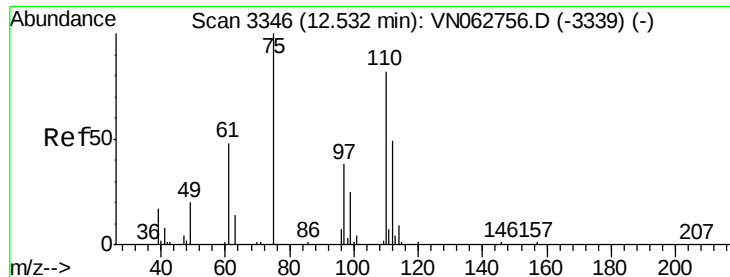
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062902.D
Acq: 13 Aug 2020 11:17

Tgt Ion:152 Resp: 76547
Ion Ratio Lower Upper
152 100
115 63.7 31.6 94.8
150 156.8 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: 25.224 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062902.D

Acq: 13 Aug 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

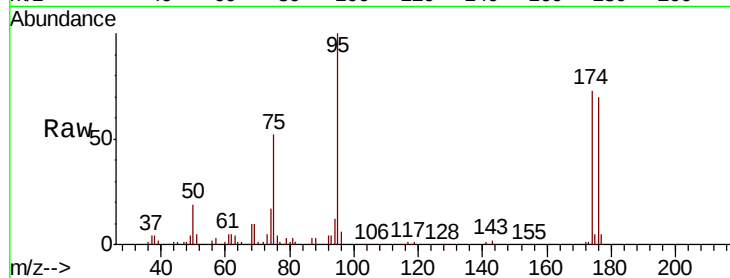
VN0813MBL01

Tot Ion: 75 Resp: 52073

Ion Ratio Lower Upper

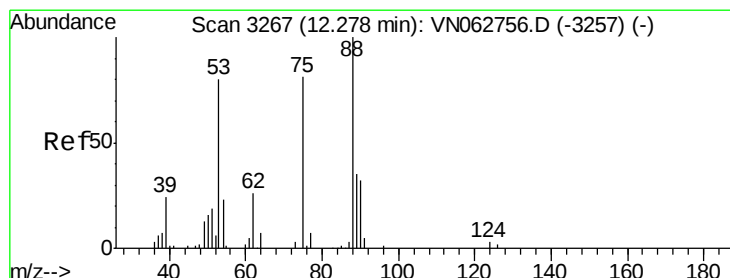
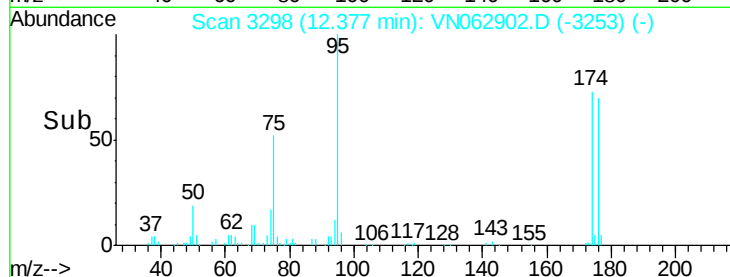
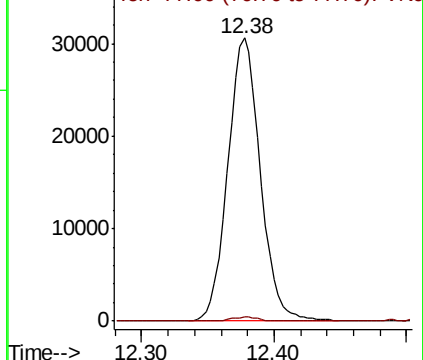
75 100

77 1.1 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: 77.003 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062902.D

Acq: 13 Aug 2020 11:17

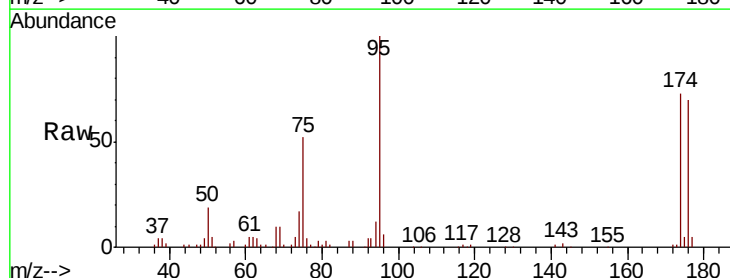
Tgt Ion: 75 Resp: 52073

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

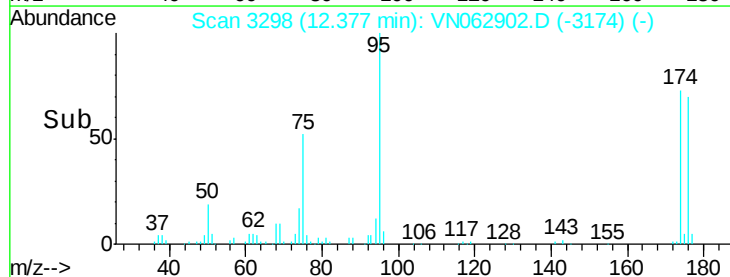
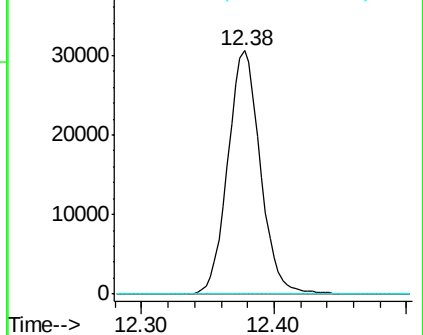
89 0.0 36.2 54.2#

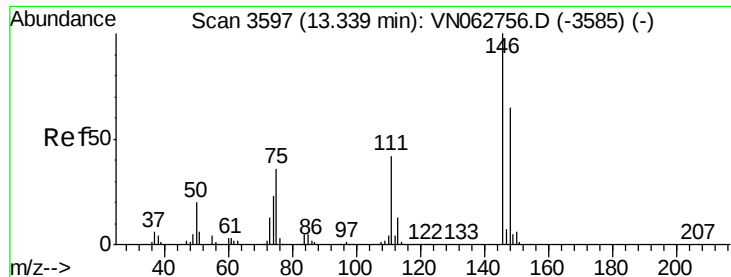


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#88

1,4-Dichlorobenzene

Concen: 0.223 ug/l

RT: 13.34 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VN062902.D

Acq: 13 Aug 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

VN0813MBL01

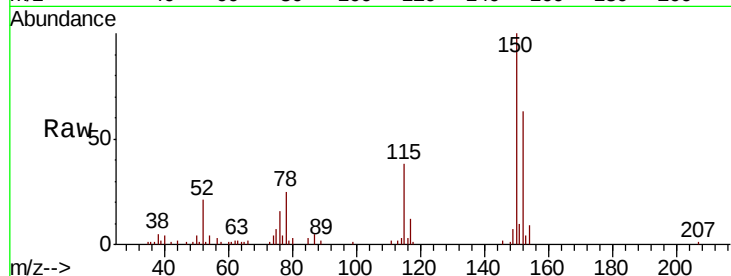
Tot Ion:146 Resp: 573

Ion Ratio Lower Upper

146 100

111 0.0 21.6 64.6#

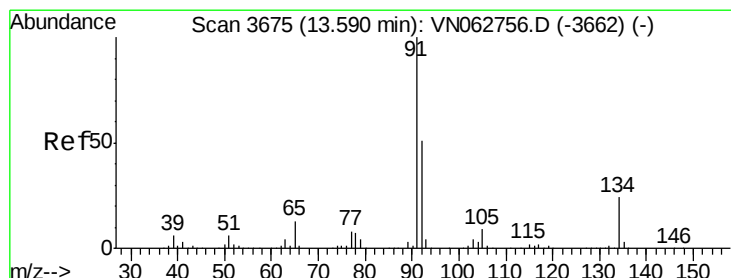
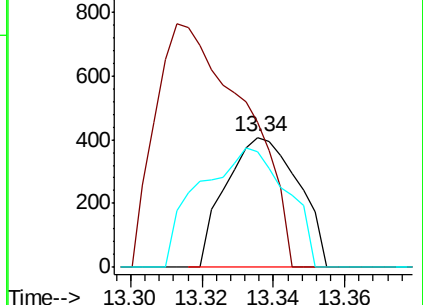
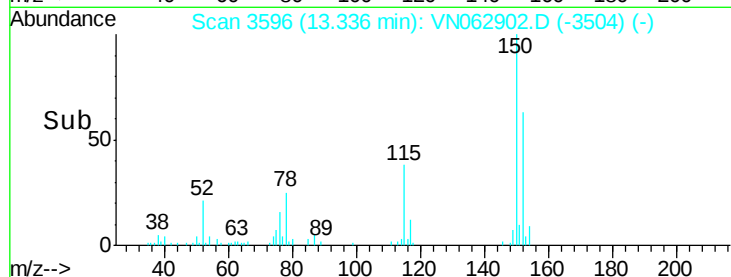
148 110.3 32.6 97.8#



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: 0.309 ug/l

RT: 13.60 min Scan# 3677

Delta R.T. 0.01 min

Lab File: VN062902.D

Acq: 13 Aug 2020 11:17

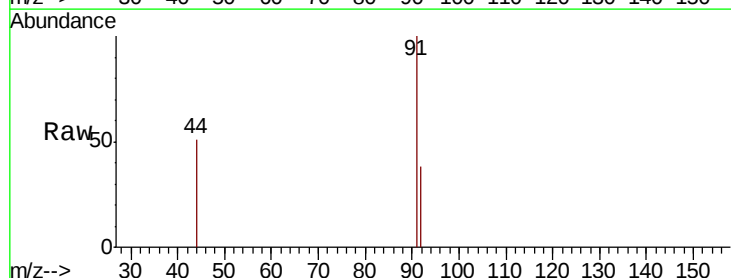
Tgt Ion: 91 Resp: 1287

Ion Ratio Lower Upper

91 100

92 30.1 25.7 77.0

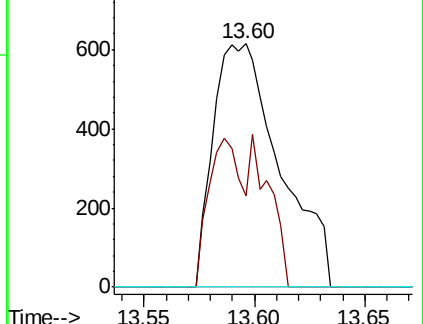
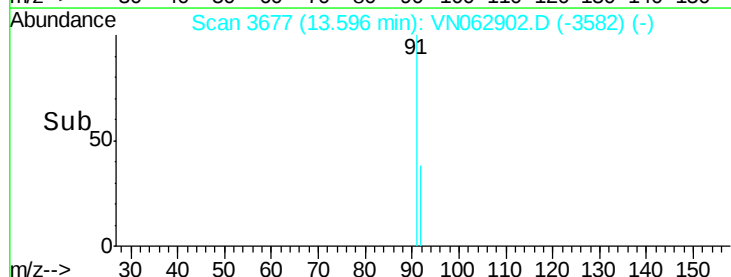
134 0.0 12.2 36.6#

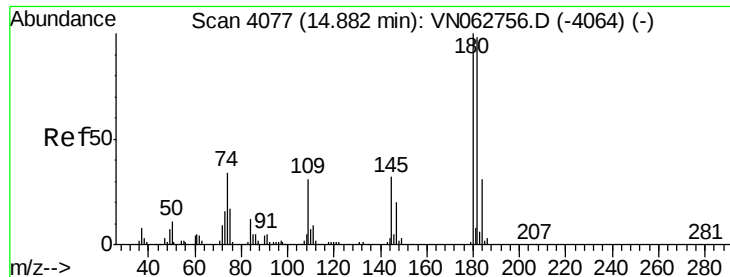


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

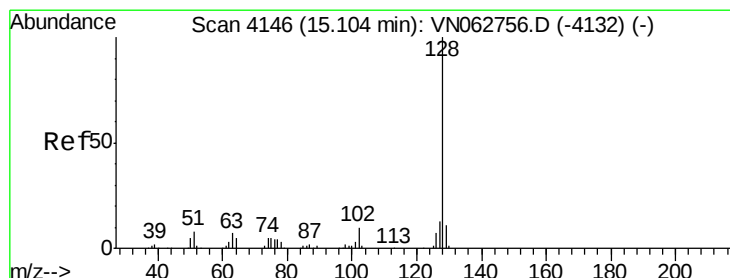
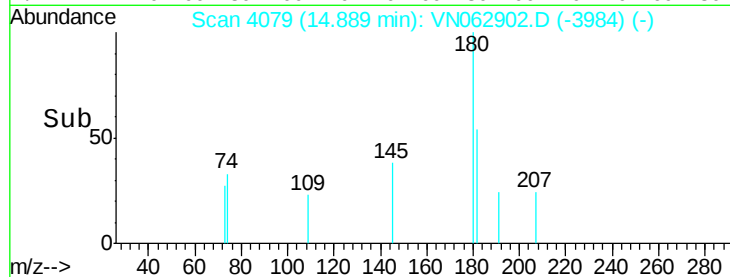
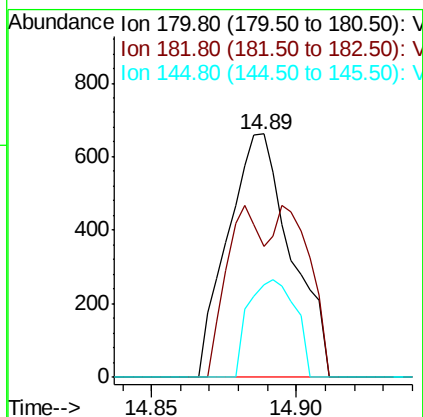
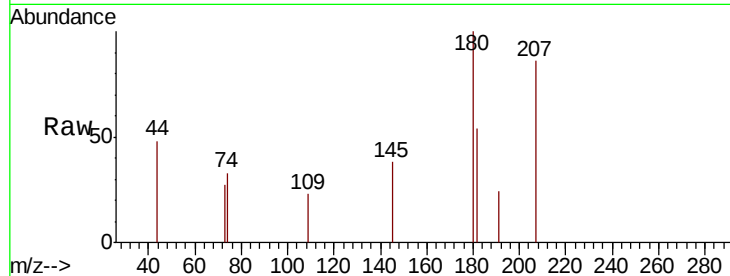




#93
 1,2,4-Trichlorobenzene
 Concen: 4.048 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN062902.D
 Acq: 13 Aug 2020 11:17

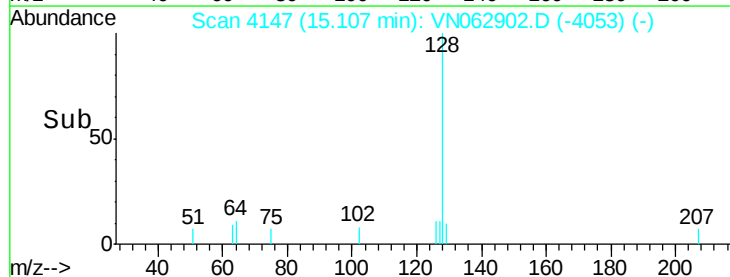
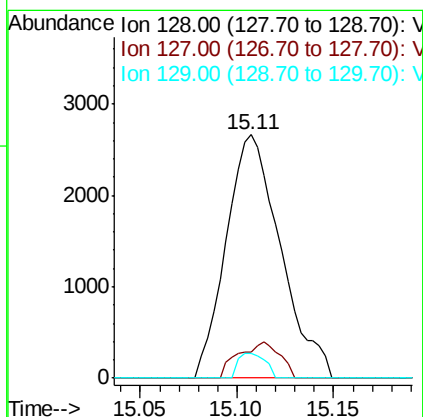
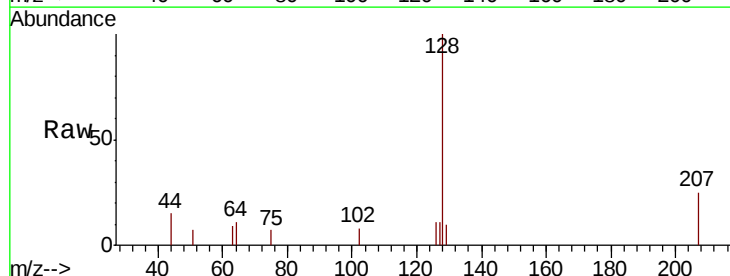
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBL01

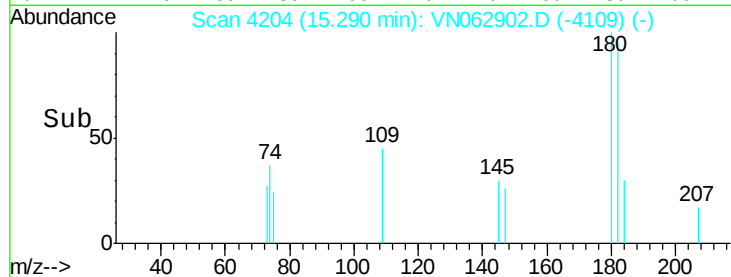
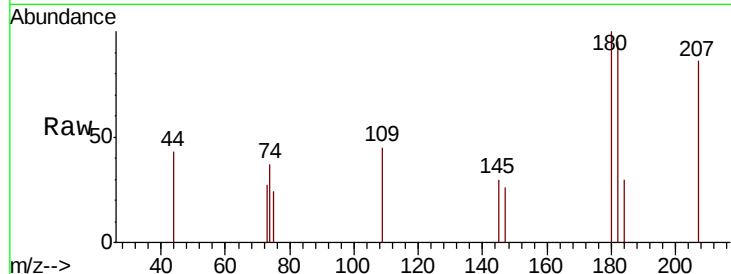
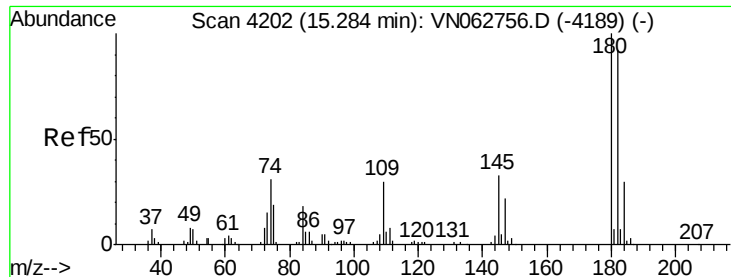
Tot Ion:180 Resp: 1001
 Ion Ratio Lower Upper
 180 100
 182 40.4 49.1 147.4#
 145 29.8 16.3 48.8



#95
 Naphthalene
 Concen: 5.073 ug/l
 RT: 15.11 min Scan# 4147
 Delta R.T. 0.00 min
 Lab File: VN062902.D
 Acq: 13 Aug 2020 11:17

Tgt Ion:128 Resp: 5186
 Ion Ratio Lower Upper
 128 100
 127 11.3 10.8 16.2
 129 5.0 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.742 ug/l
 RT: 15.29 min Scan# 4204
 Delta R.T. 0.01 min
 Lab File: VN062902.D
 Acq: 13 Aug 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	107.7	47.9	143.6
145	32.3	17.3	51.7

