

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081420\
 Data File : VN062943.D
 Acq On : 14 Aug 2020 19:19
 Operator : JC/MD
 Sample : VN0814WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL02

Quant Time: Aug 17 09:29:32 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

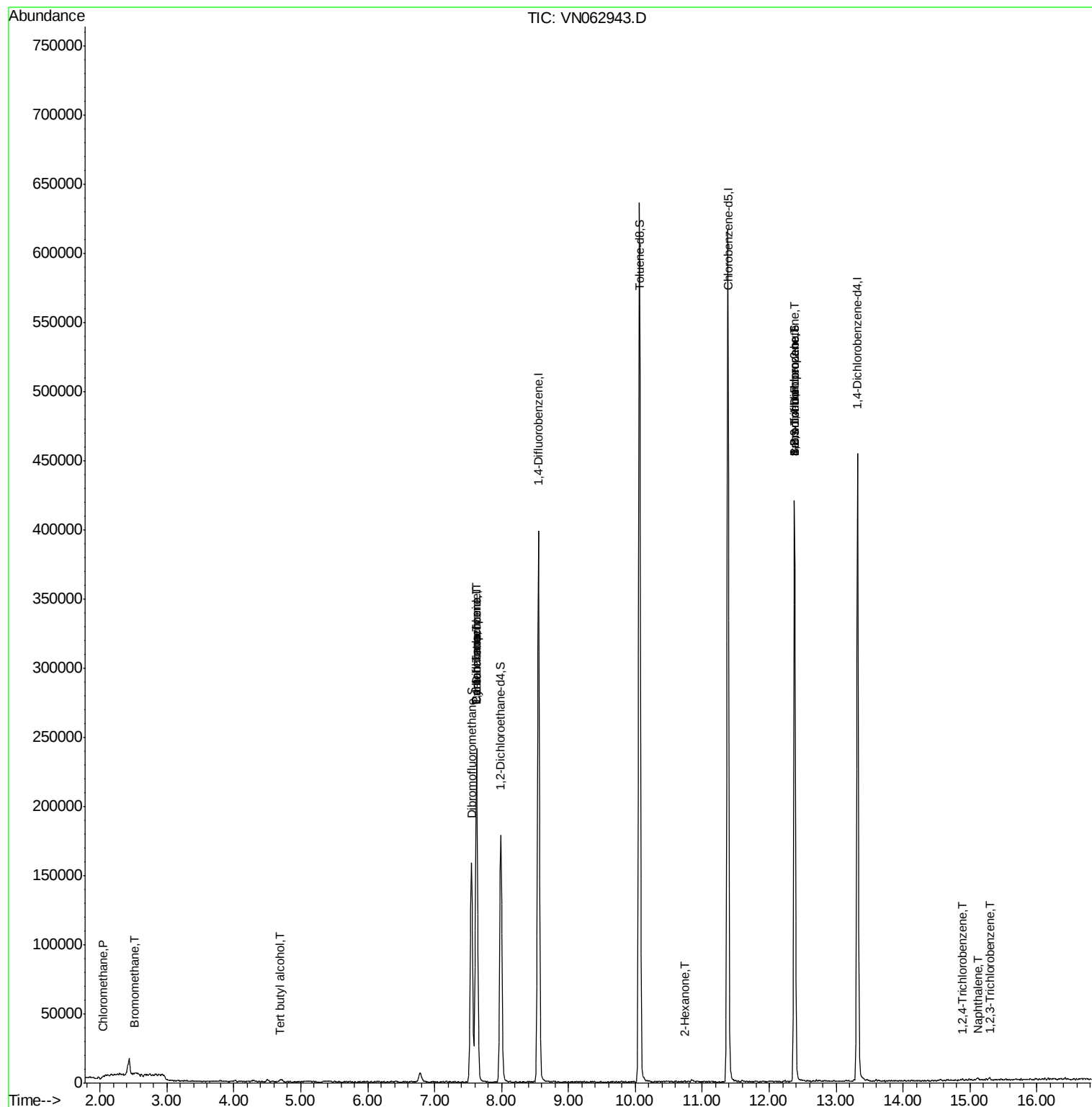
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	187210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	338254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	345835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	123762	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	157892	51.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.00%	
35) Dibromofluoromethane	7.55	113	123251	53.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.54%	
50) Toluene-d8	10.06	98	437706	48.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	12.38	95	148568	43.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.04%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	521	0.206	ug/l #	43
5) Bromomethane	2.53	94	368	0.234	ug/l #	57
11) Tert butyl alcohol	4.69	59	1807	3.561	ug/l #	72
17) Carbon Disulfide	4.00	76	522	Below Cal	#	74
18) Methyl Acetate	4.27	43	161	Below Cal	#	52
20) Methylene Chloride	4.50	84	706	Below Cal		90
31) Cyclohexane	7.63	56	4755	1.267	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	16476	5.002	ug/l #	49
38) Carbon Tetrachloride	7.63	117	18870	4.844	ug/l #	15
59) 2-Hexanone	10.73	43	1270	0.459	ug/l #	28
71) Bromoform	12.38	173	1557	0.655	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	77297	23.159	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	77297	70.697	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.89	180	513	3.552	ug/l #	68
95) Naphthalene	15.11	128	2367	4.093	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.29	180	835	3.125	ug/l #	53

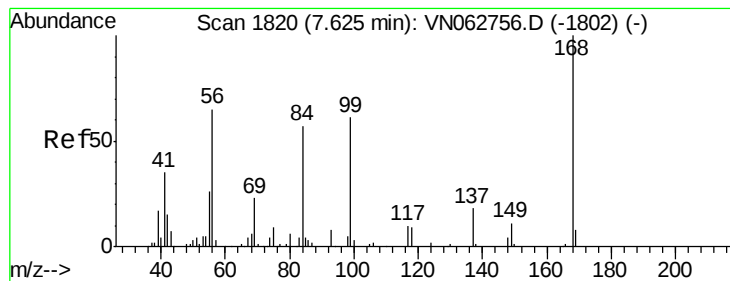
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081420\
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062943.D

Acq: 14 Aug 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

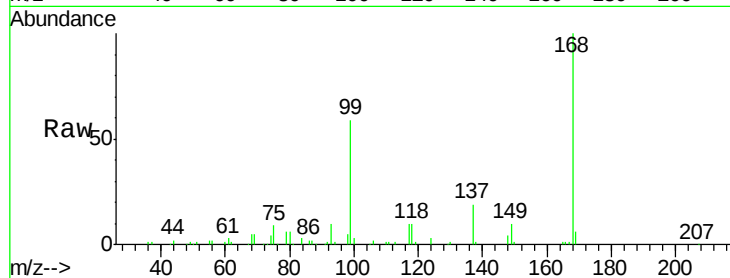
VN0814WBL02

Tgt Ion:168 Resp: 187210

Ion Ratio Lower Upper

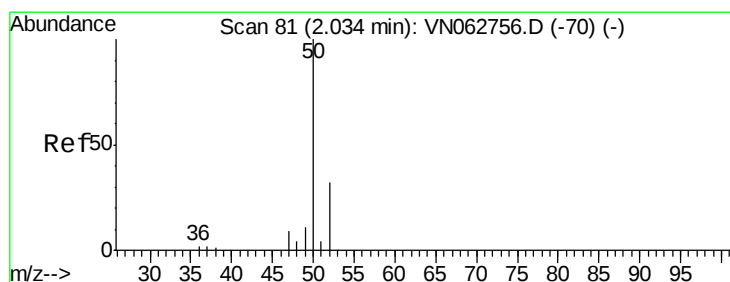
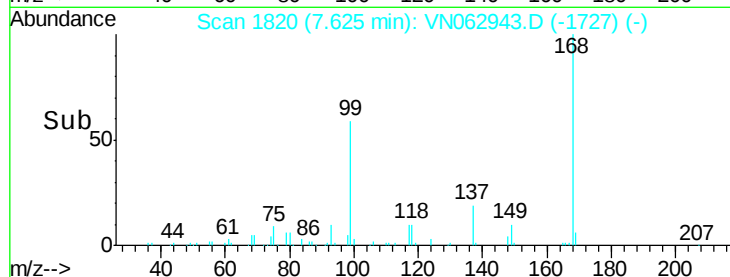
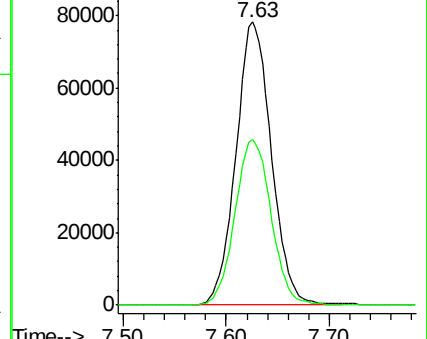
168 100

99 58.7 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.206 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062943.D

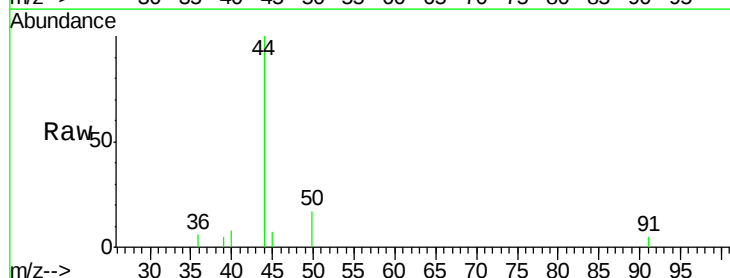
Acq: 14 Aug 2020 19:19

Tgt Ion: 50 Resp: 521

Ion Ratio Lower Upper

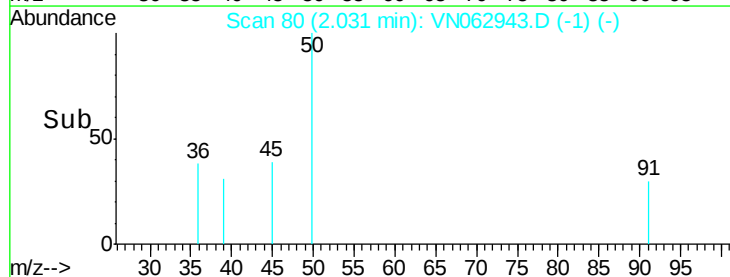
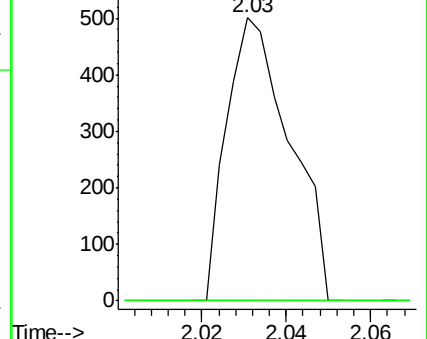
50 100

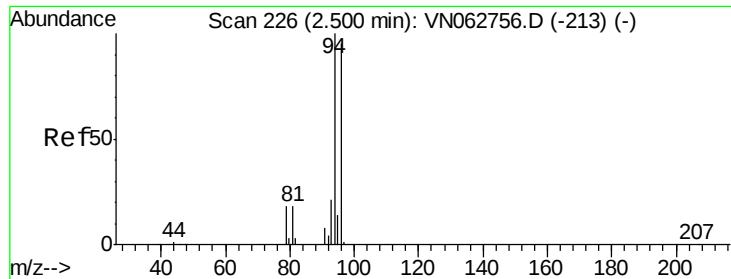
52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Bromomethane

Concen: 0.234 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.03 min

Lab File: VN062943.D

Acq: 14 Aug 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

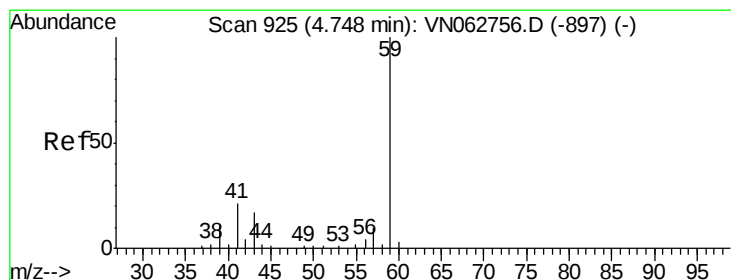
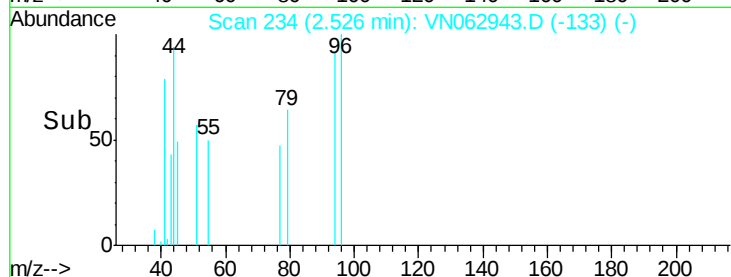
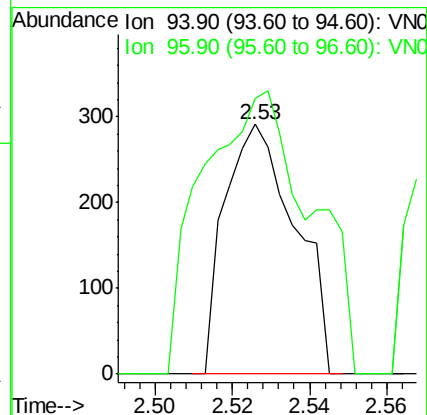
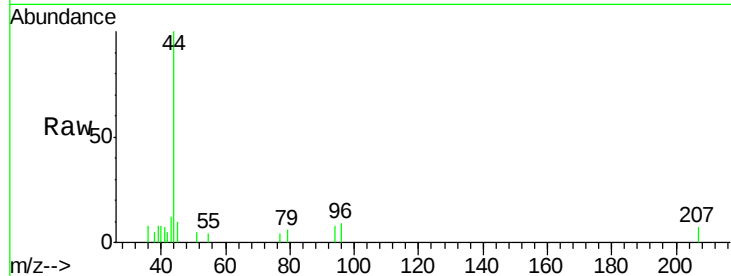
VN0814WBL02

Tgt Ion: 94 Resp: 368

Ion Ratio Lower Upper

94 100

96 53.3 76.2 114.4#



#11

Tert butyl alcohol

Concen: 3.561 ug/l

RT: 4.69 min Scan# 908

Delta R.T. -0.05 min

Lab File: VN062943.D

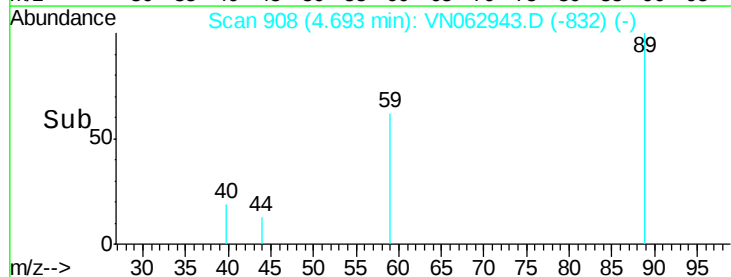
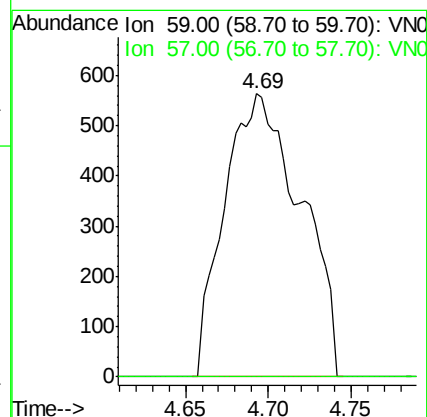
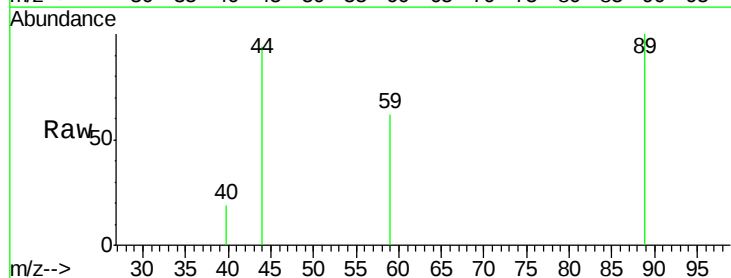
Acq: 14 Aug 2020 19:19

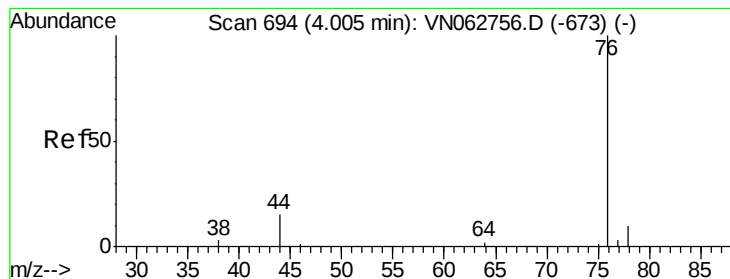
Tgt Ion: 59 Resp: 1807

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 692

Delta R.T. -0.01 min

Lab File: VN062943.D

Acq: 14 Aug 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

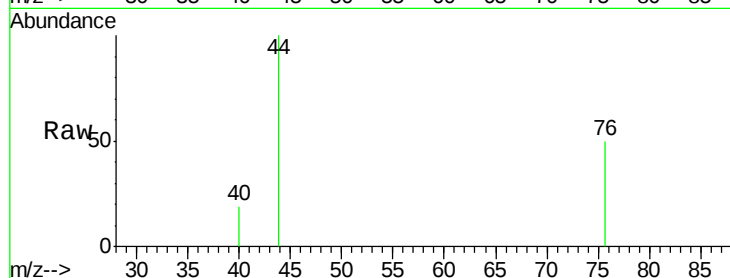
VN0814WBL02

Tgt Ion: 76 Resp: 522

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

4.00

500

400

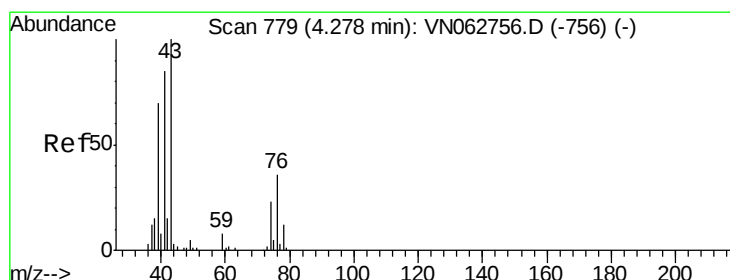
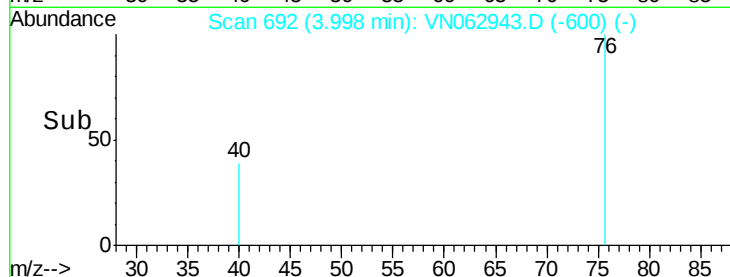
300

200

100

0

Time--> 3.97 3.98 3.99 4.00 4.01



#18

Methyl Acetate

Concen: Below Cal

RT: 4.27 min Scan# 775

Delta R.T. -0.01 min

Lab File: VN062943.D

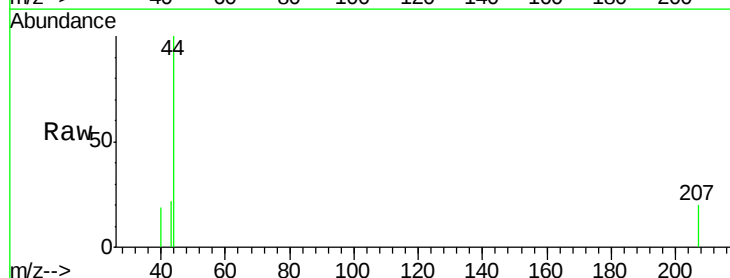
Acq: 14 Aug 2020 19:19

Tgt Ion: 43 Resp: 161

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.27

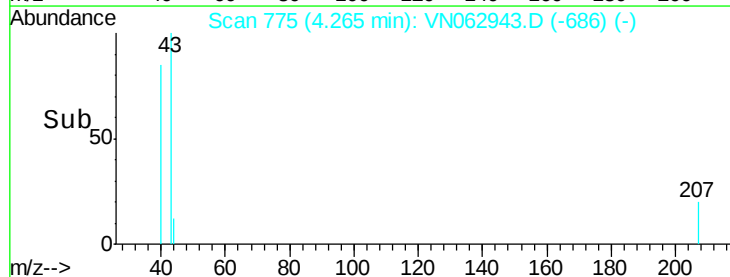
300

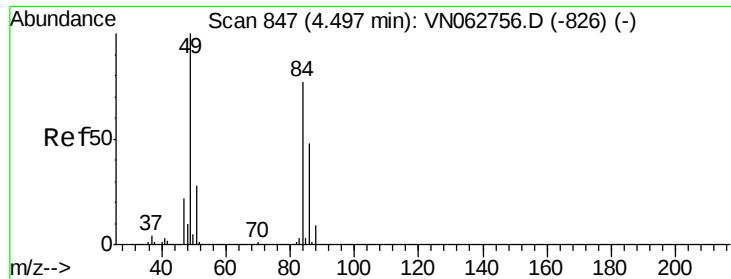
200

100

0

Time--> 4.25 4.26 4.27

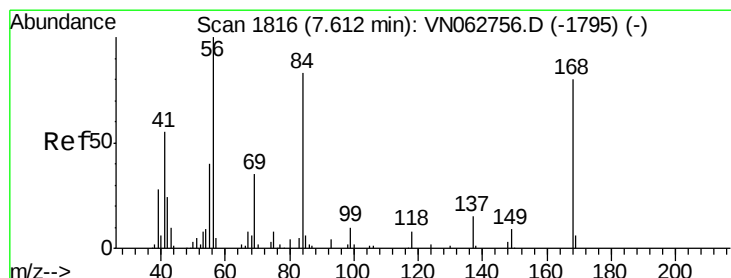
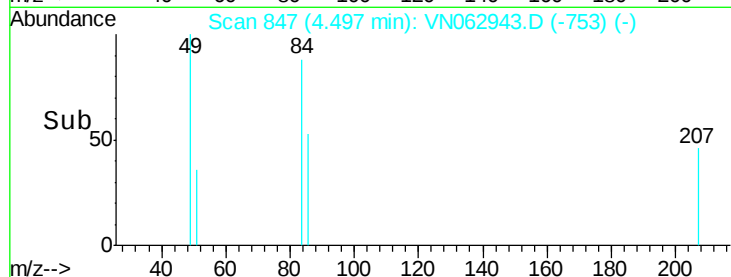
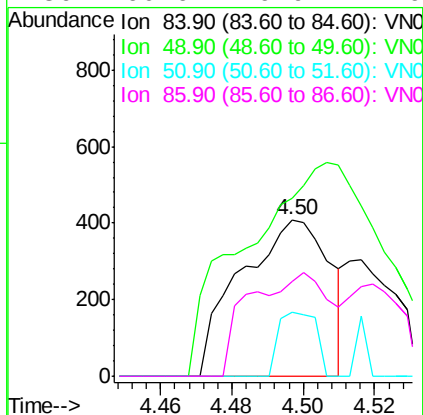
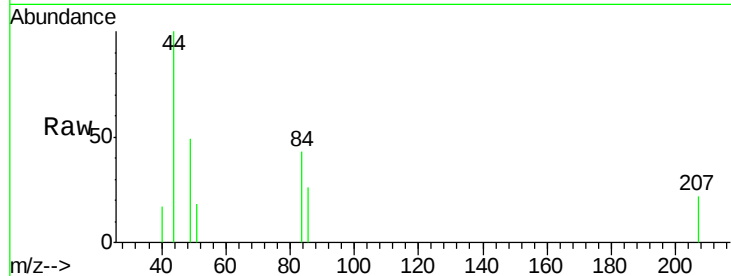




#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062943.D
Acq: 14 Aug 2020 19:19

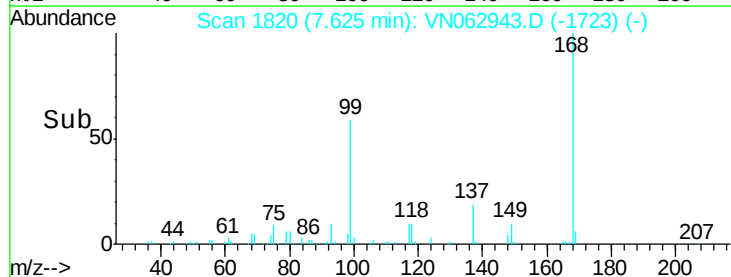
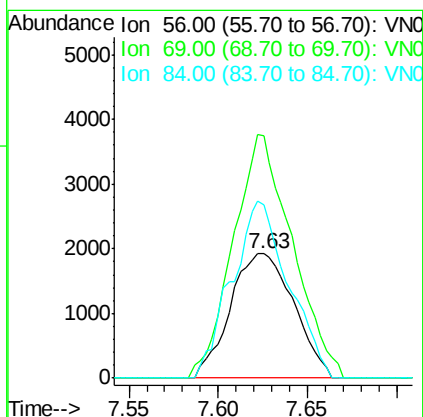
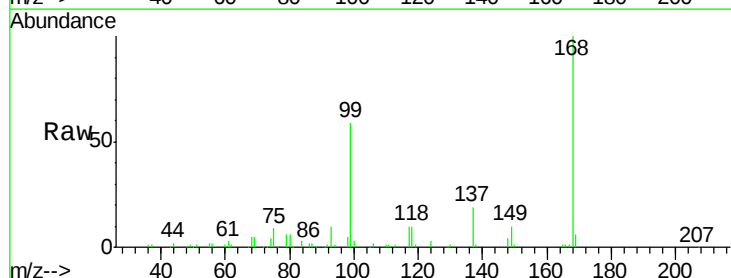
Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL02

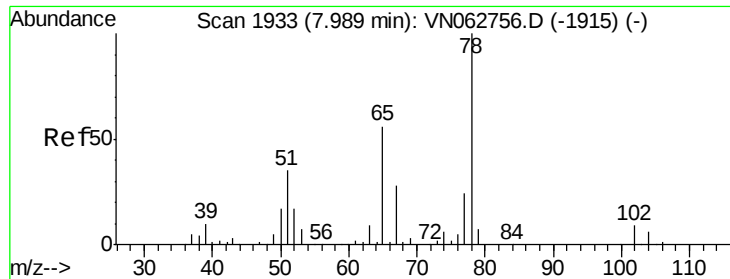
Tgt Ion:	84	Resp:	706
Ion	Ratio	Lower	Upper
84	100		
49	113.4	103.4	155.2
51	40.8	29.3	43.9
86	60.6	49.9	74.9



#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062943.D
Acq: 14 Aug 2020 19:19

Tgt Ion:	56	Resp:	4755
Ion	Ratio	Lower	Upper
56	100		
69	194.3	28.1	42.1#
84	139.2	66.8	100.2#





#33

1,2-Dichloroethane-d4

Concen: 51.001 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062943.D

Acq: 14 Aug 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

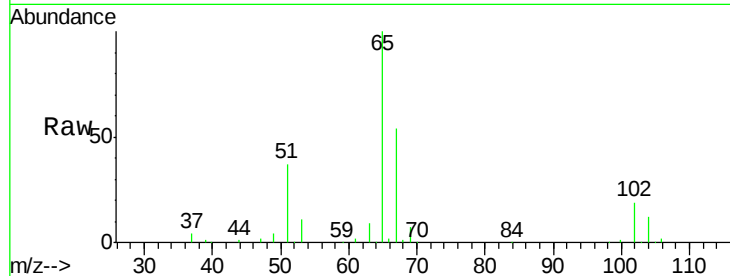
VN0814WBL02

Tgt Ion: 65 Resp: 157892

Ion Ratio Lower Upper

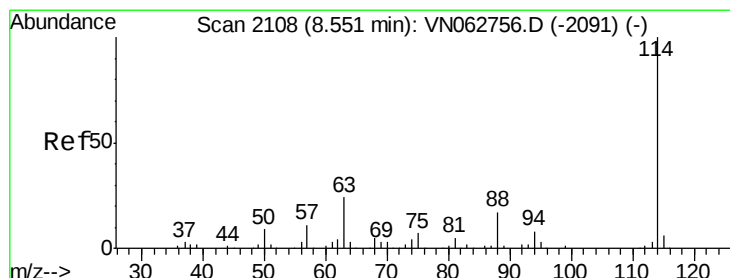
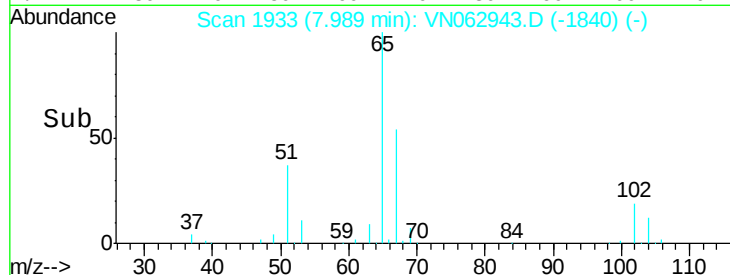
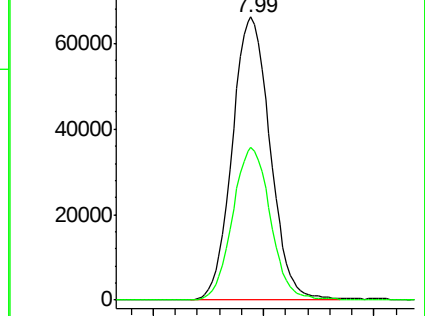
65 100

67 53.8 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# 2108

Delta R.T. 0.00 min

Lab File: VN062943.D

Acq: 14 Aug 2020 19:19

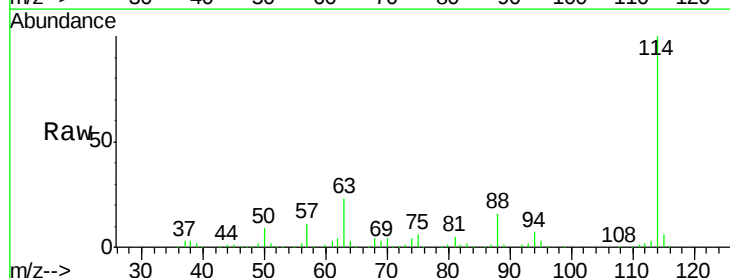
Tgt Ion: 114 Resp: 338254

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.6

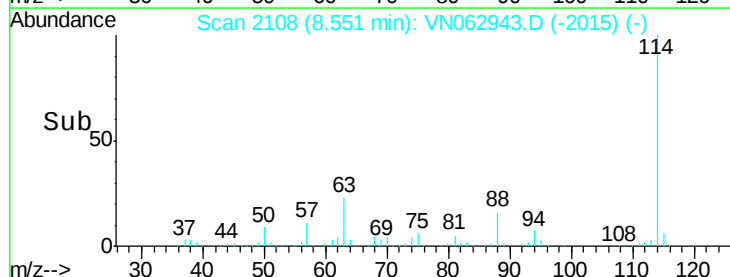
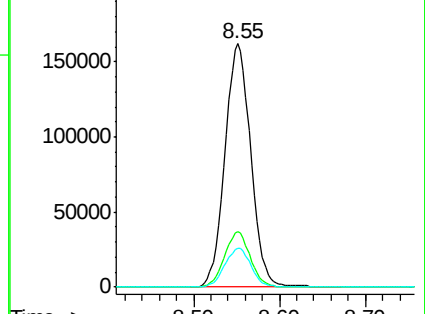
88 16.2 0.0 34.4

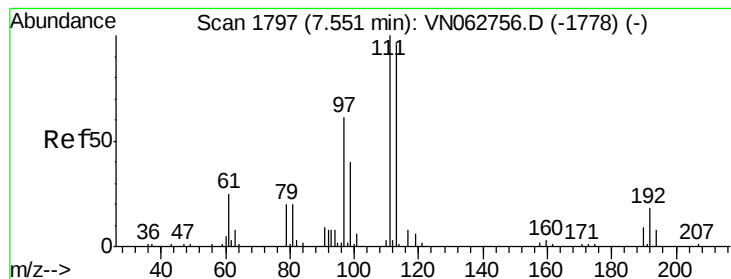


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 53.267 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062943.D

Acq: 14 Aug 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBL02

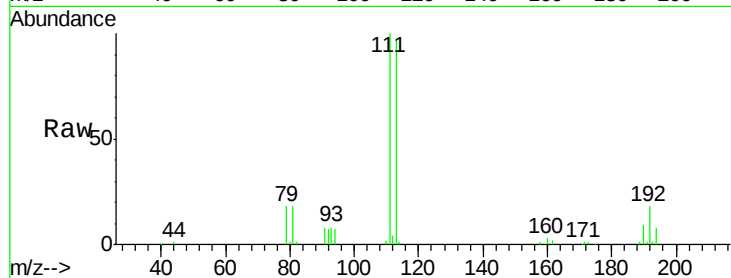
Tgt Ion: 113 Resp: 123251

Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.6

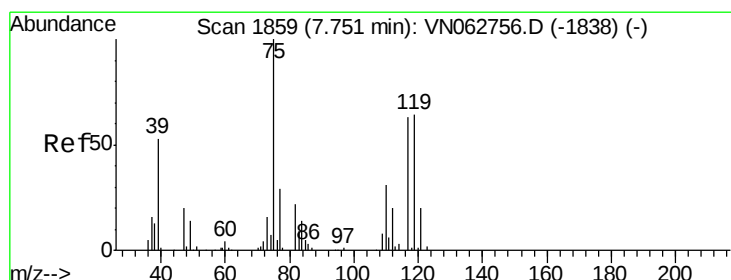
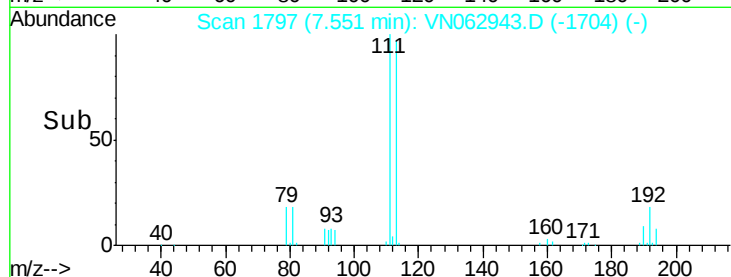
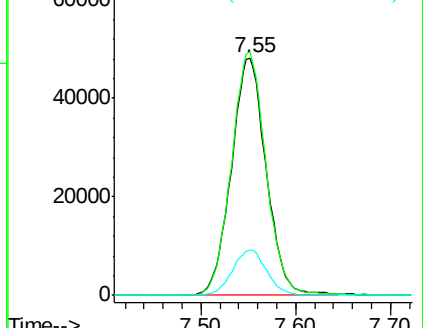
192 18.7 15.0 22.4



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: 5.002 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062943.D

Acq: 14 Aug 2020 19:19

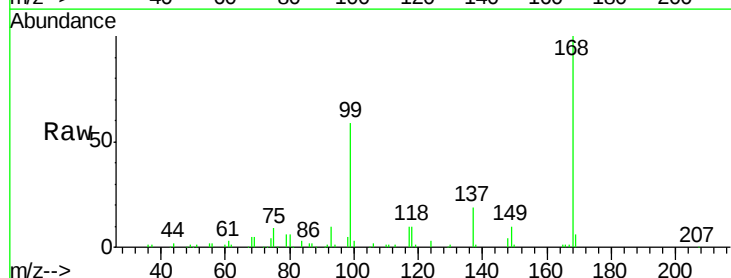
Tgt Ion: 75 Resp: 16476

Ion Ratio Lower Upper

75 100

110 5.1 15.6 46.7#

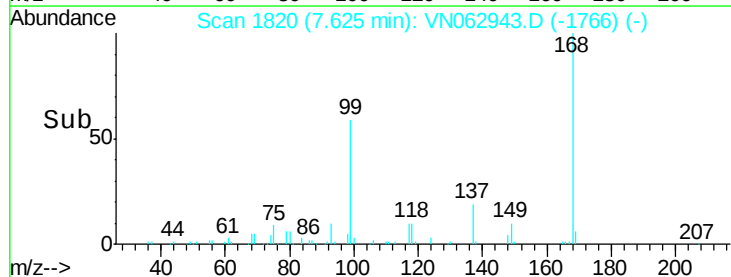
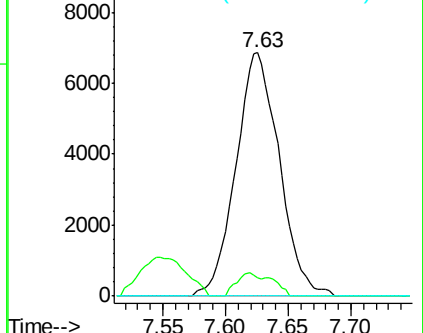
77 0.0 24.1 36.1#

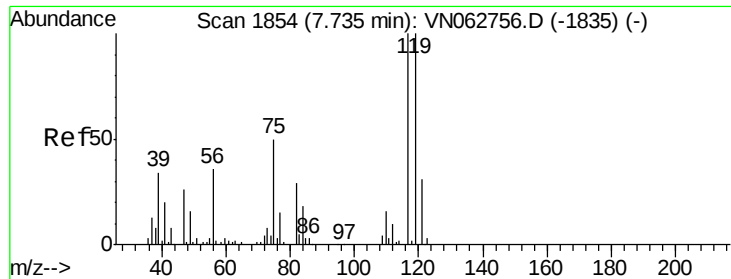


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 4.844 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062943.D

Acq: 14 Aug 2020 19:19

Instrument :

MSVOA_N

ClientSampled :

VN0814WBL02

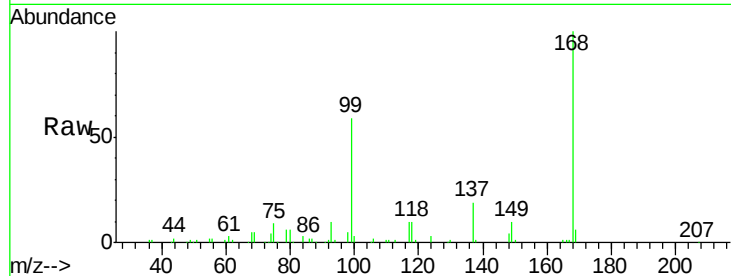
Tgt Ion:117 Resp: 18870

Ion Ratio Lower Upper

117 100

119 6.2 79.4 119.2#

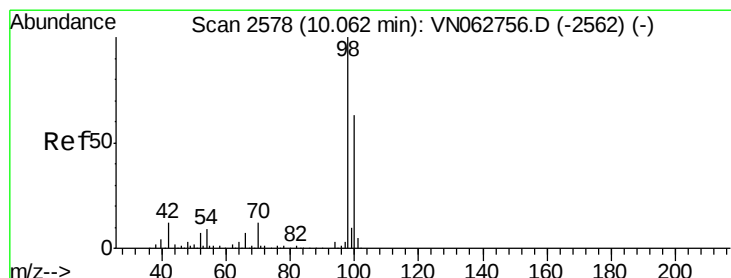
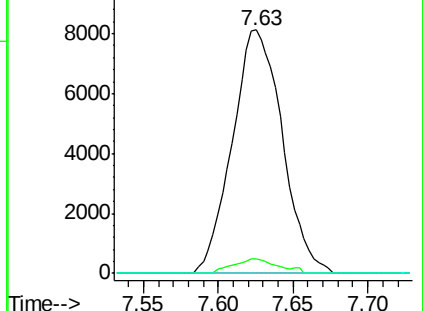
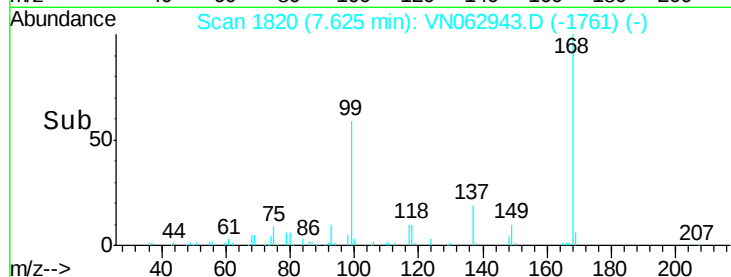
121 0.0 24.9 37.3#



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: 48.454 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062943.D

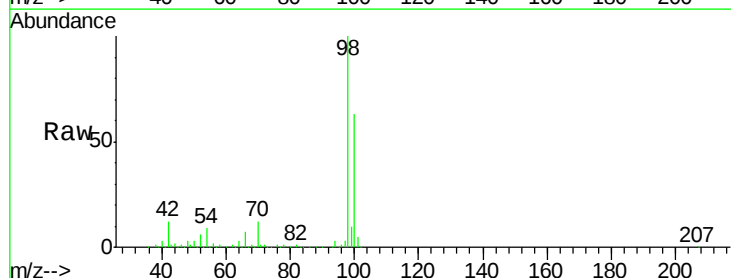
Acq: 14 Aug 2020 19:19

Tgt Ion: 98 Resp: 437706

Ion Ratio Lower Upper

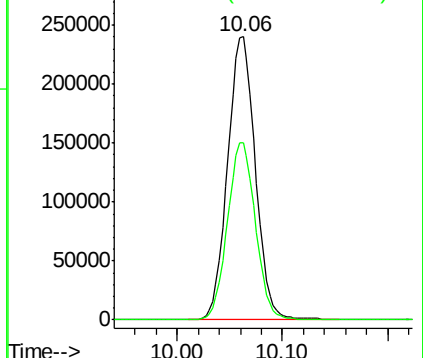
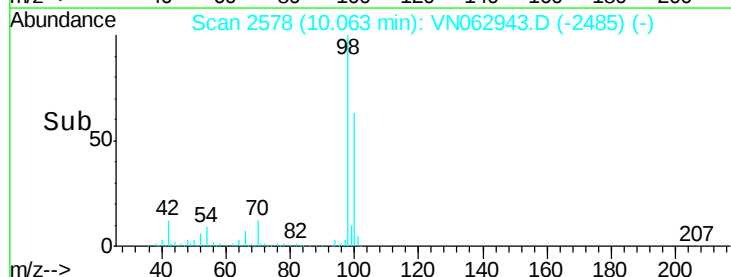
98 100

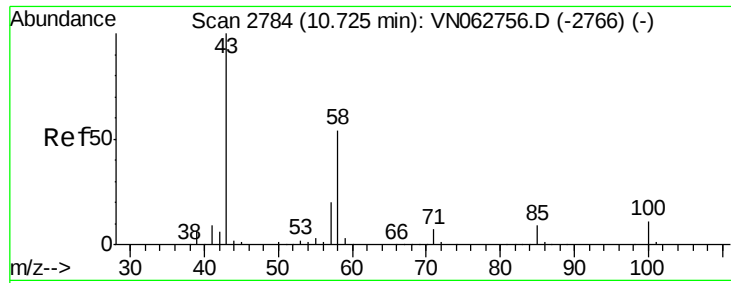
100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

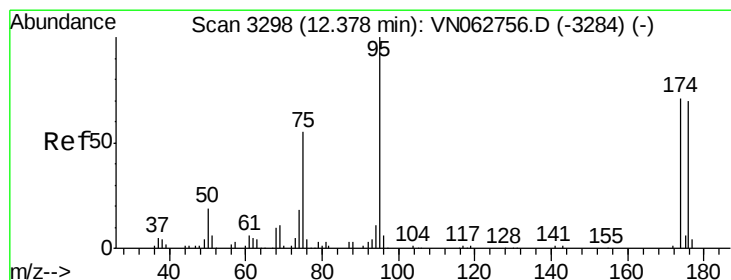
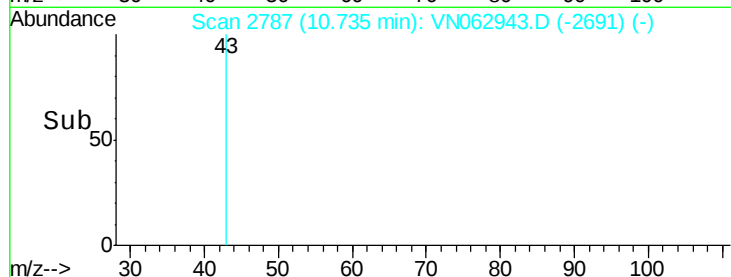
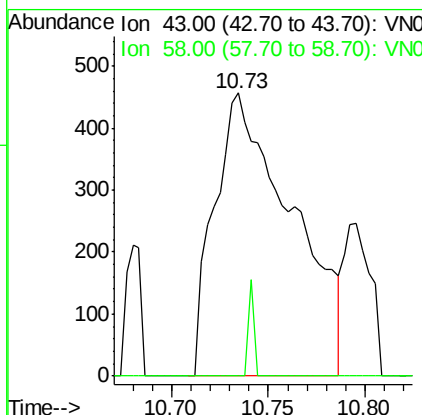
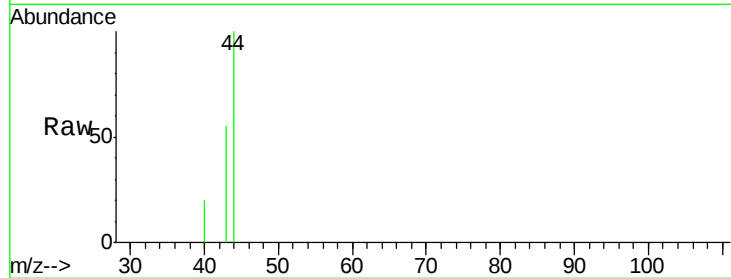




#59
2-Hexanone
Concen: 0.459 ug/l
RT: 10.73 min Scan# 2787
Delta R.T. 0.01 min
Lab File: VN062943.D
Acq: 14 Aug 2020 19:19

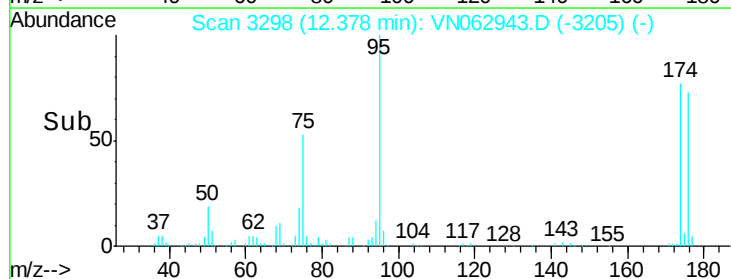
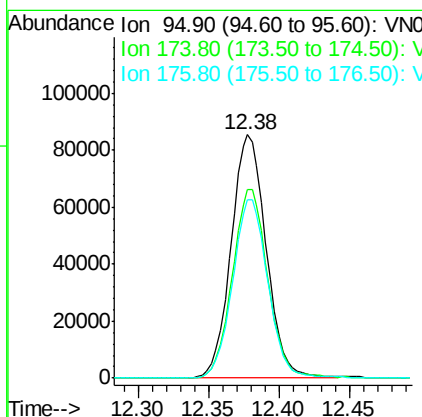
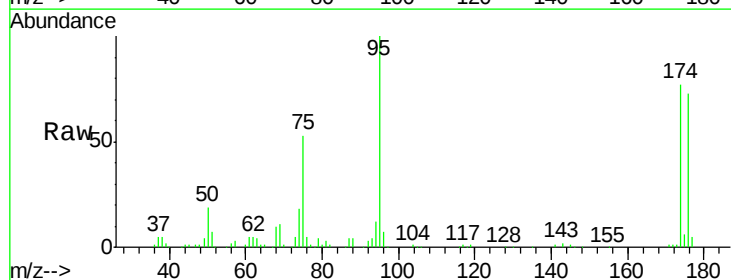
Instrument :
MSVOA_N
ClientSampled :
VN0814WBL02

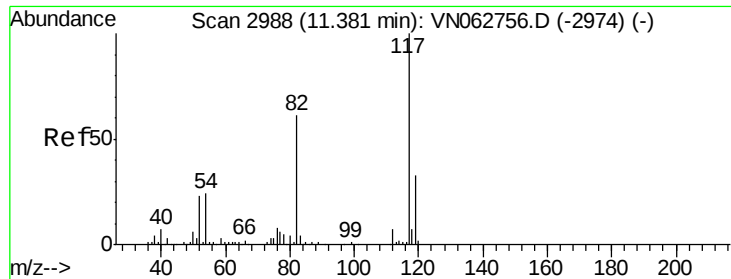
Tgt Ion: 43 Resp: 1270
Ion Ratio Lower Upper
43 100
58 2.4 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 43.521 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062943.D
Acq: 14 Aug 2020 19:19

Tgt Ion: 95 Resp: 148568
Ion Ratio Lower Upper
95 100
174 78.6 0.0 144.8
176 74.3 0.0 142.2

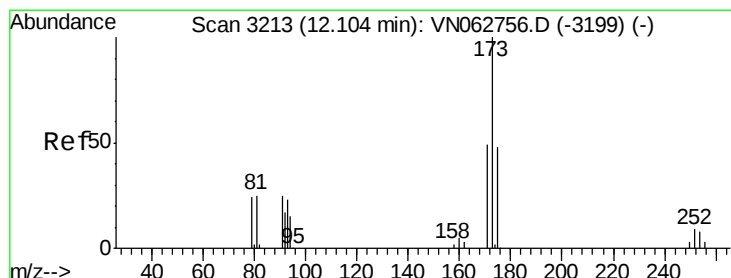
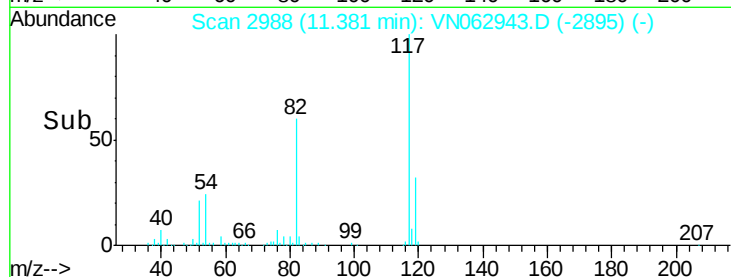
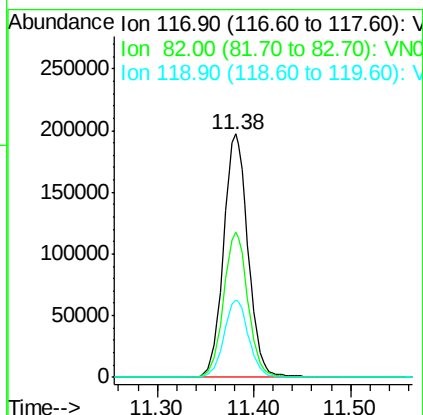
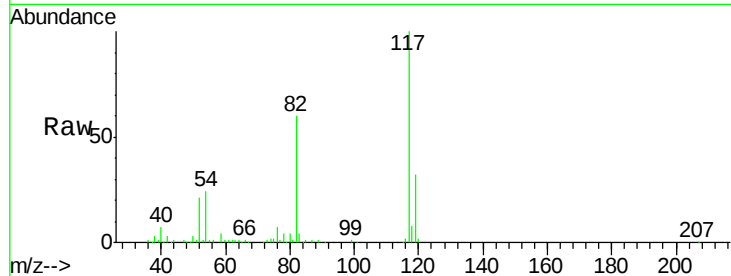




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062943.D
Acq: 14 Aug 2020 19:19

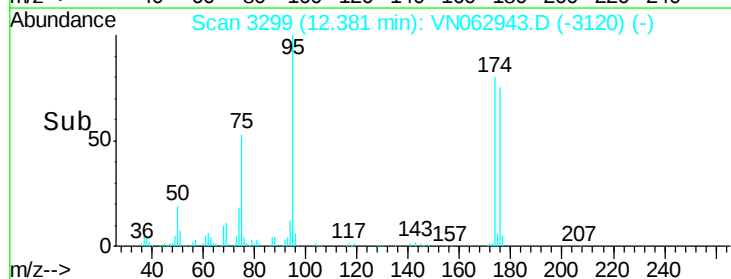
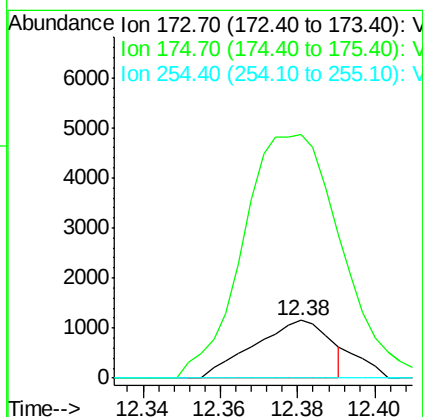
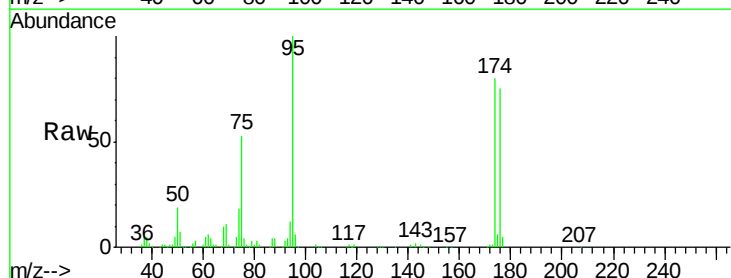
Instrument :
MSVOA_N
ClientSampled :
VN0814WBL02

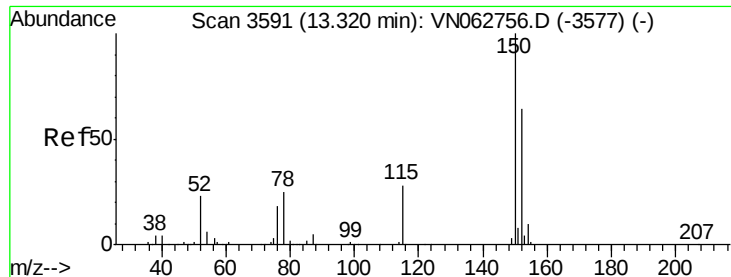
Tgt Ion:117 Resp: 345835
Ion Ratio Lower Upper
117 100
82 59.7 49.0 73.4
119 31.9 26.2 39.2



#71
Bromoform
Concen: 0.655 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062943.D
Acq: 14 Aug 2020 19:19

Tgt Ion:173 Resp: 1557
Ion Ratio Lower Upper
173 100
175 483.0 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062943.D

Acq: 14 Aug 2020 19:19

Instrument :

MSVOA_N

ClientSampled :

VN0814WBL02

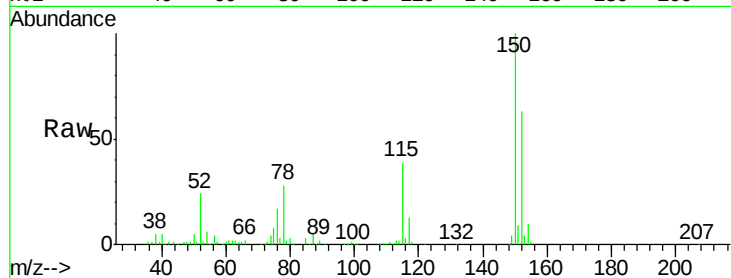
Tgt Ion:152 Resp: 123762

Ion Ratio Lower Upper

152 100

115 59.2 31.6 94.8

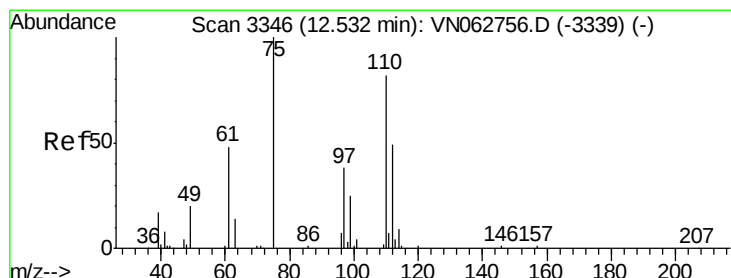
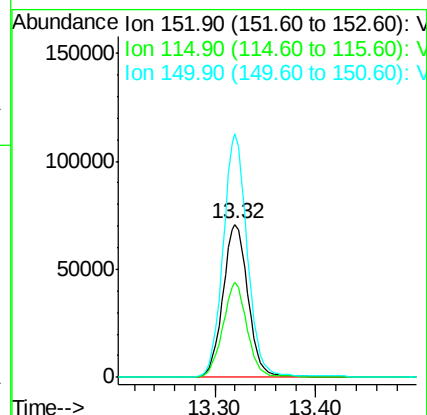
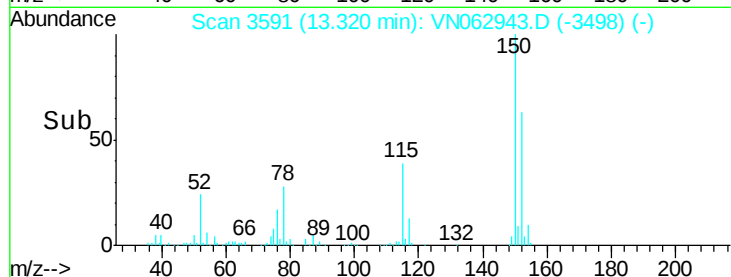
150 152.2 0.0 349.2



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: 23.159 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062943.D

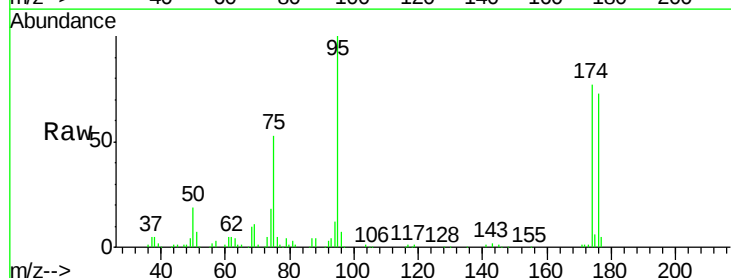
Acq: 14 Aug 2020 19:19

Tgt Ion: 75 Resp: 77297

Ion Ratio Lower Upper

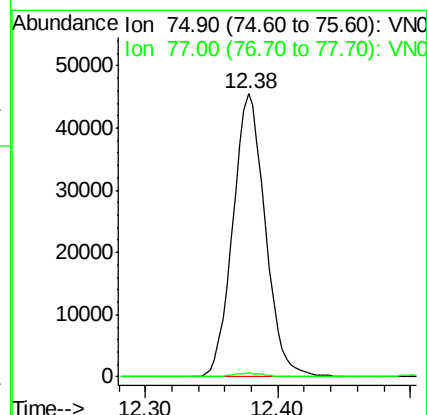
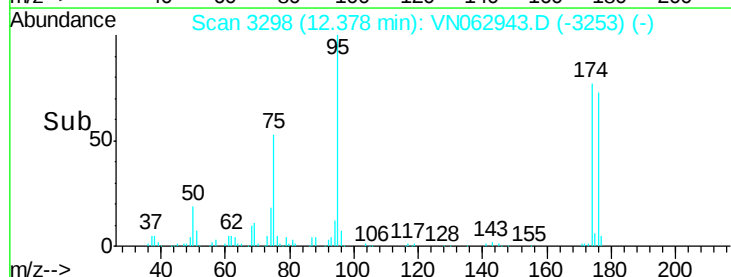
75 100

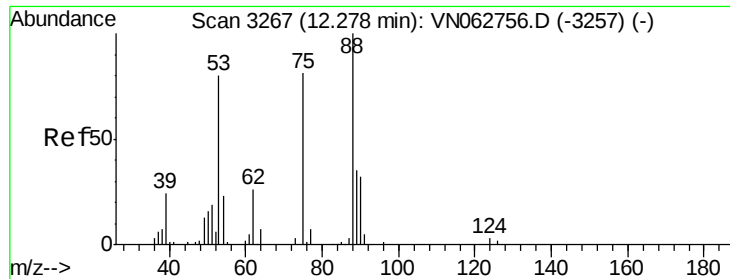
77 1.2 0.0 0.0#



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: 70.697 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062943.D

Acq: 14 Aug 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBL02

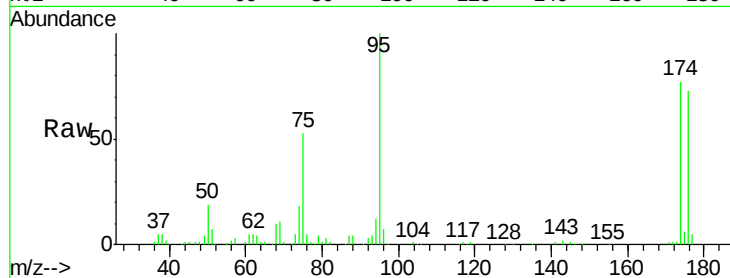
Tgt Ion: 75 Resp: 77297

Ion Ratio Lower Upper

75 100

53 0.1 79.1 118.7#

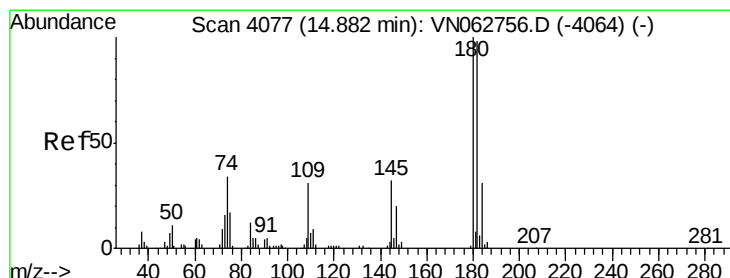
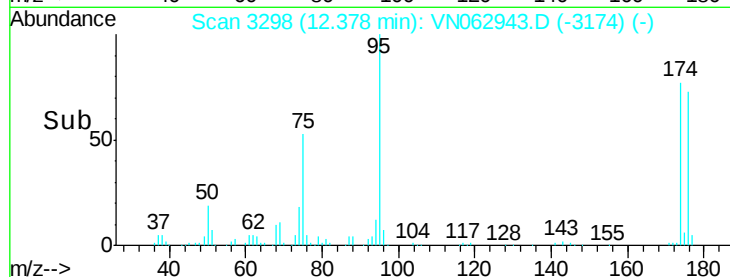
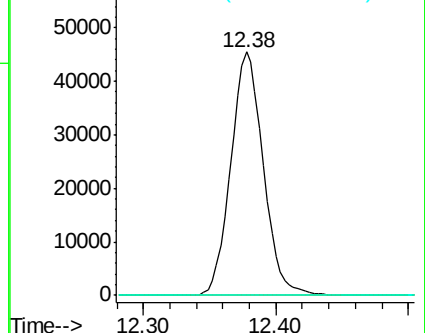
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN062756.D (-3257) (-)

Ion 53.00 (52.70 to 53.70): VN062756.D (-3257) (-)

Ion 88.90 (88.60 to 89.60): VN062756.D (-3257) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.552 ug/l

RT: 14.89 min Scan# 4079

Delta R.T. 0.01 min

Lab File: VN062943.D

Acq: 14 Aug 2020 19:19

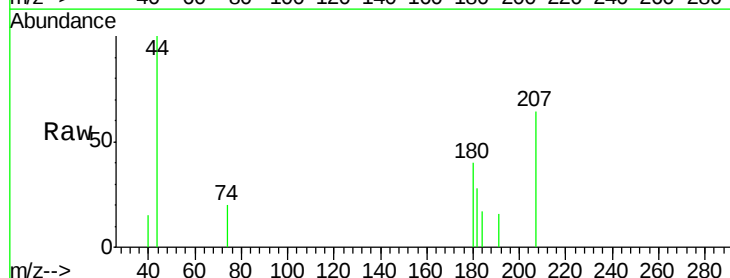
Tgt Ion: 180 Resp: 513

Ion Ratio Lower Upper

180 100

182 75.2 49.1 147.4

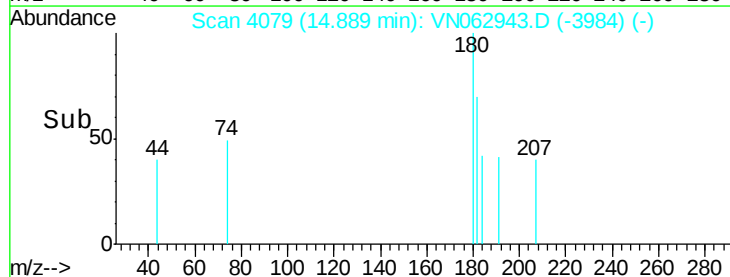
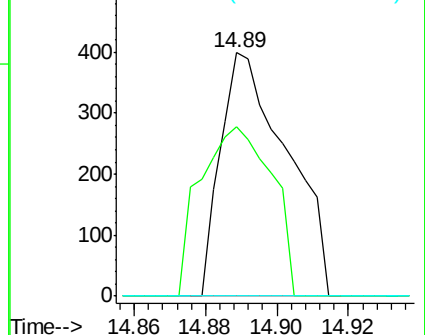
145 0.0 16.3 48.8#

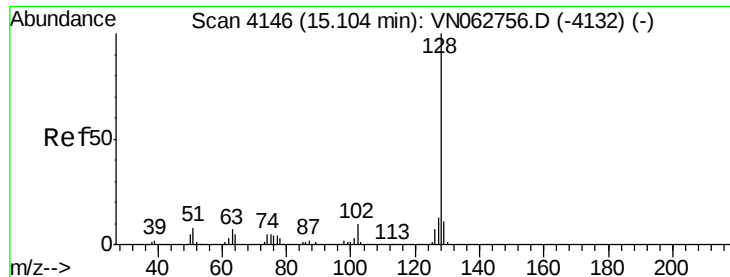


Abundance Ion 179.80 (179.50 to 180.50): VN062756.D (-4064) (-)

Ion 181.80 (181.50 to 182.50): VN062756.D (-4064) (-)

Ion 144.80 (144.50 to 145.50): VN062756.D (-4064) (-)





#95

Naphthalene

Concen: 4.093 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062943.D

Acq: 14 Aug 2020 19:19

Instrument :

MSVOA_N

ClientSampled :

VN0814WBL02

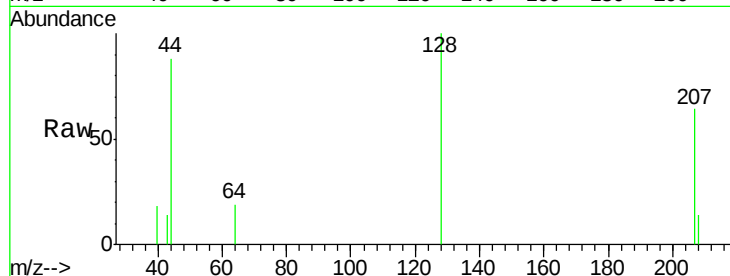
Tgt Ion:128 Resp: 2367

Ion Ratio Lower Upper

128 100

127 2.7 10.8 16.2#

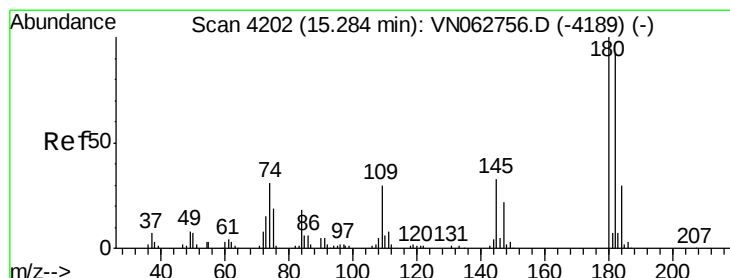
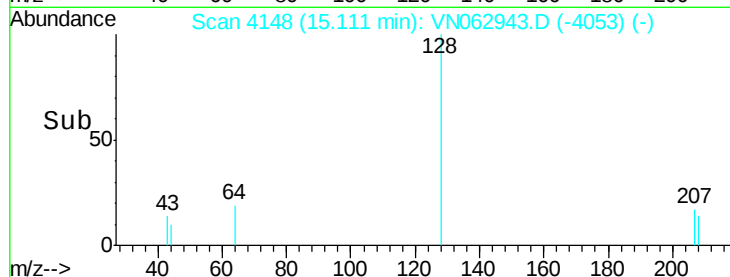
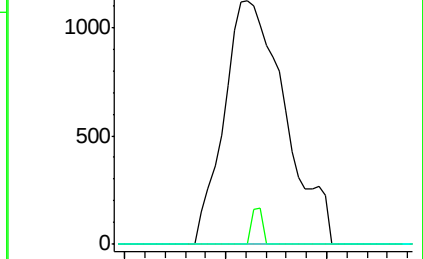
129 0.0 8.8 13.2#



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: 3.125 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.01 min

Lab File: VN062943.D

Acq: 14 Aug 2020 19:19

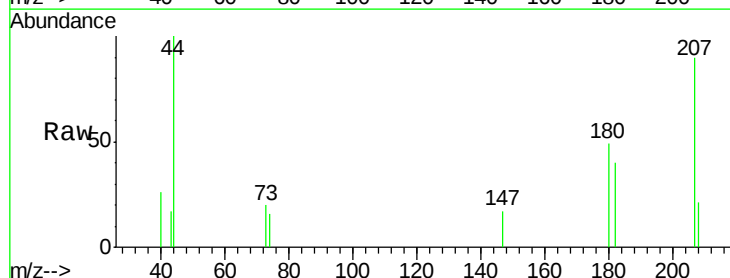
Tgt Ion:180 Resp: 835

Ion Ratio Lower Upper

180 100

182 54.7 47.9 143.6

145 0.0 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

