

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062875.D
 Acq On : 12 Aug 2020 23:29
 Operator : JC/MD
 Sample : VN0812WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBL02

Quant Time: Aug 13 05:26:31 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	133968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	235899	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	237620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	86984	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	114015	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
35) Dibromofluoromethane	7.55	113	81693	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
50) Toluene-d8	10.06	98	304176	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.38	95	108730	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	

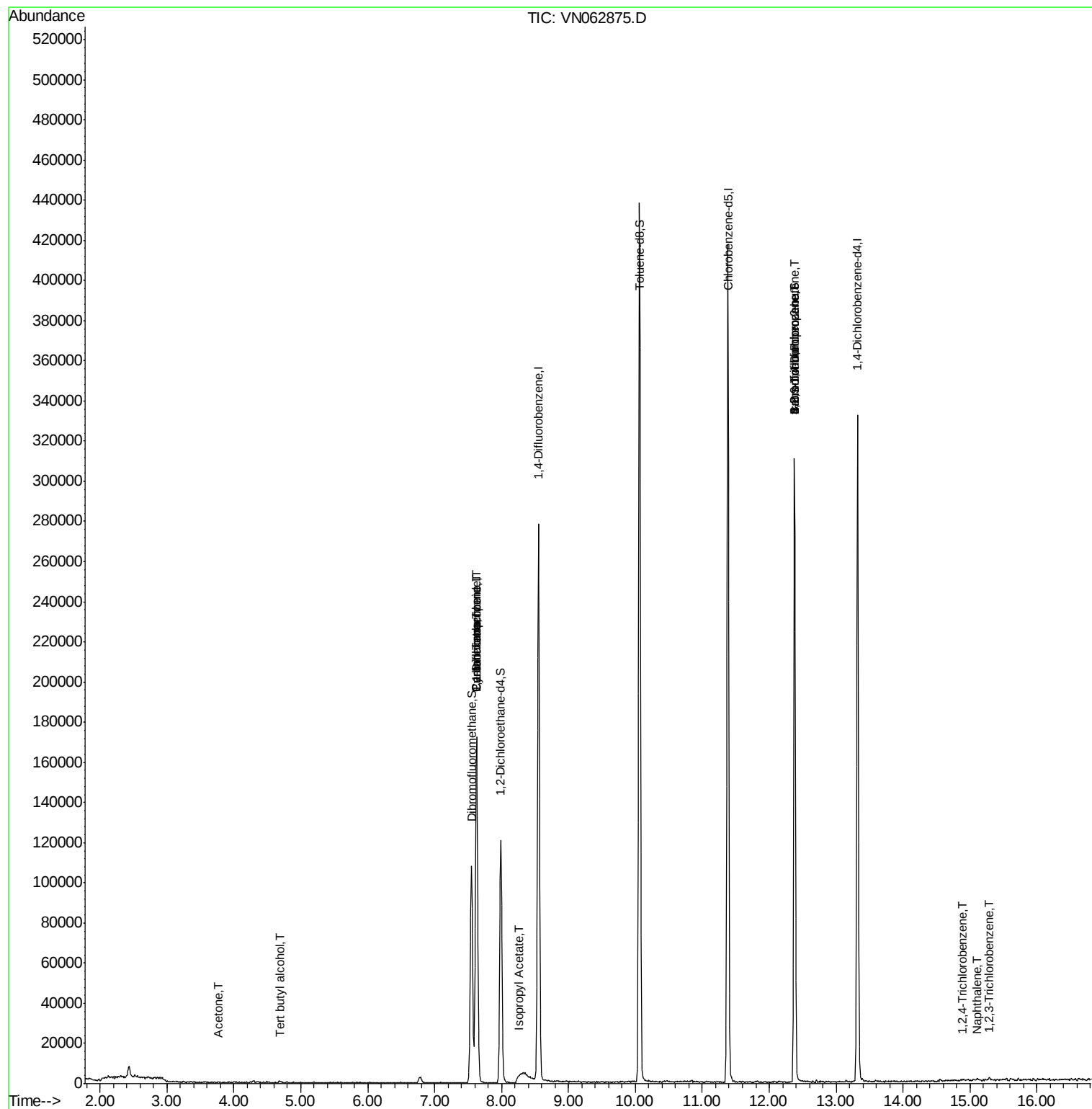
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	407	1.121	ug/l #	72
16) Acetone	3.77	43	166	0.207	ug/l #	45
17) Carbon Disulfide	4.01	76	542	Below Cal	#	74
18) Methyl Acetate	4.30	43	1571	Below Cal	#	72
20) Methylene Chloride	4.50	84	115	Below Cal	#	31
31) Cyclohexane	7.63	56	3441	1.281	ug/l #	18
36) 1,1-Dichloropropene	7.62	75	11445	4.983	ug/l #	49
38) Carbon Tetrachloride	7.62	117	13798	5.079	ug/l #	15
43) Isopropyl Acetate	8.27	43	3342	0.835	ug/l #	61
71) Bromoform	12.38	173	619	0.379	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	57483	24.504	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	57483	74.804	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.89	180	174	3.433	ug/l #	74
95) Naphthalene	15.11	128	1855	4.138	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.29	180	507	3.073	ug/l #	77

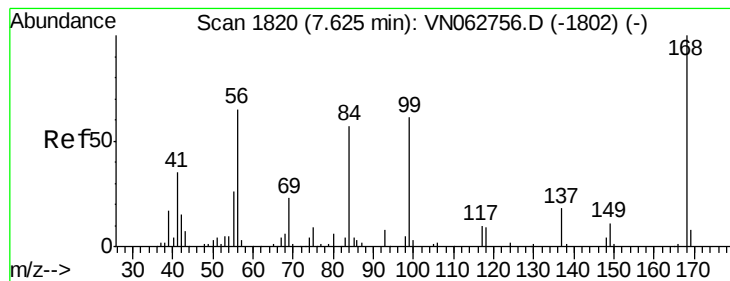
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062875.D

Acq: 12 Aug 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

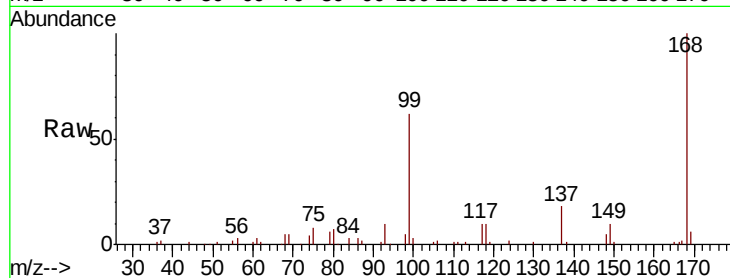
VN0812WBL02

Tot Ion:168 Resp: 133968

Ion Ratio Lower Upper

168 100

99 61.8 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

50000

40000

30000

20000

10000

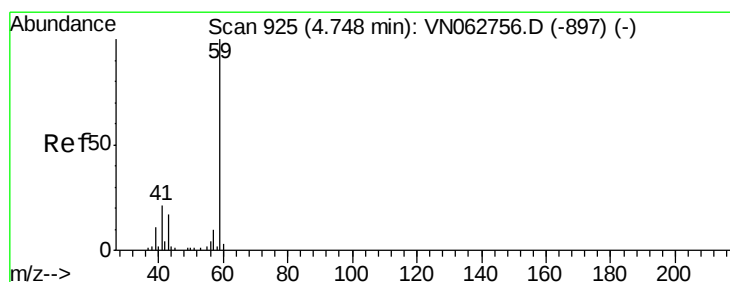
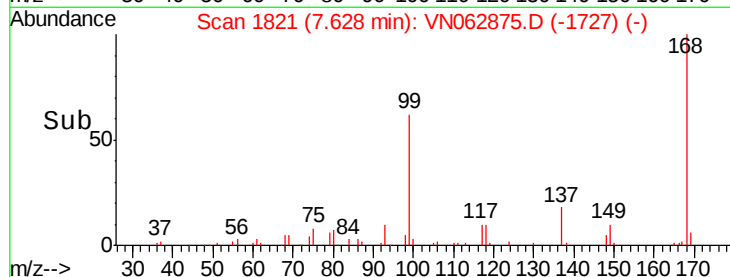
0

7.50

7.60

7.70

Time-->



#11

Tert butyl alcohol

Concen: 1.121 ug/l

RT: 4.69 min Scan# 907

Delta R.T. -0.06 min

Lab File: VN062875.D

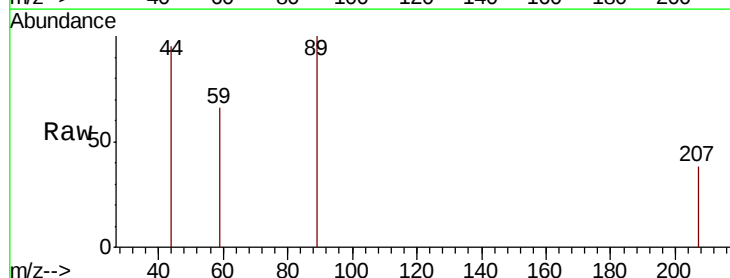
Acq: 12 Aug 2020 23:29

Tgt Ion: 59 Resp: 407

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

300

250

200

150

100

50

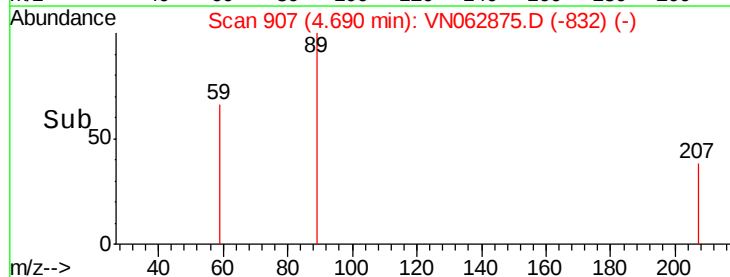
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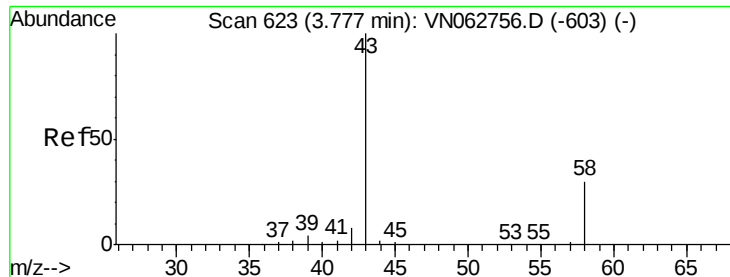
4.66

4.68

4.70

Time-->





#16

Acetone

Concen: 0.207 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.01 min

Lab File: VN062875.D

Acq: 12 Aug 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

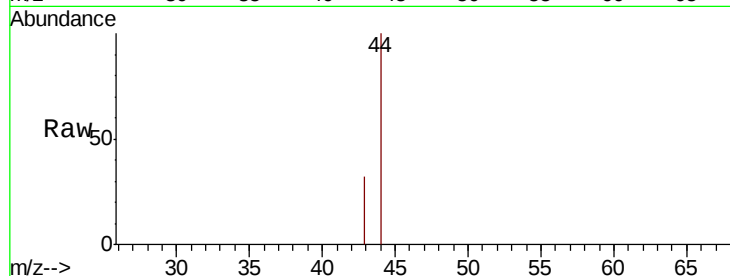
VN0812WBL02

Tot Ion: 43 Resp: 166

Ion Ratio Lower Upper

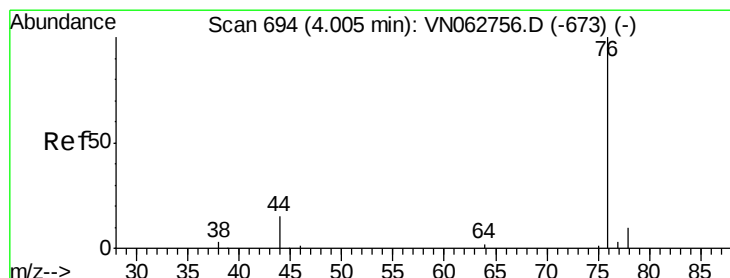
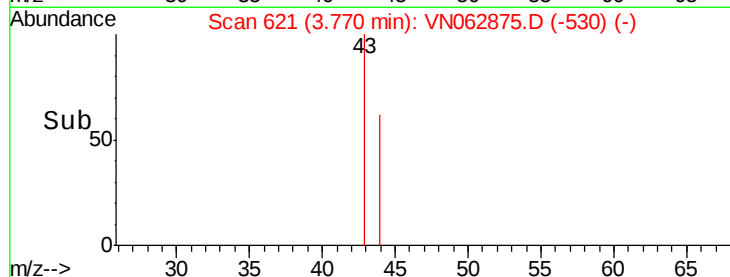
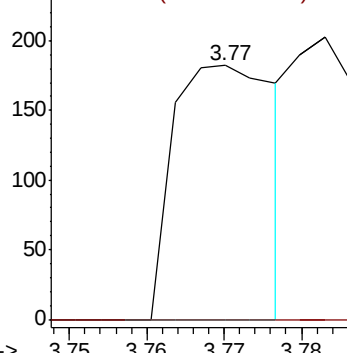
43 100

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



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN062875.D

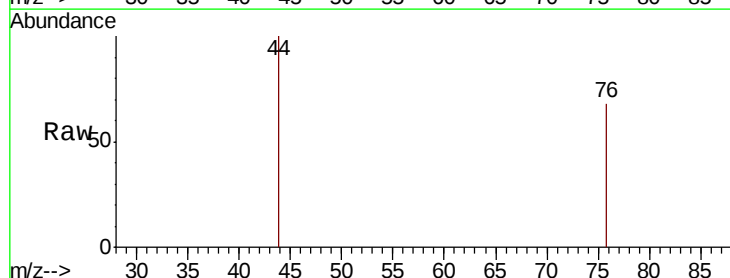
Acq: 12 Aug 2020 23:29

Tgt Ion: 76 Resp: 542

Ion Ratio Lower Upper

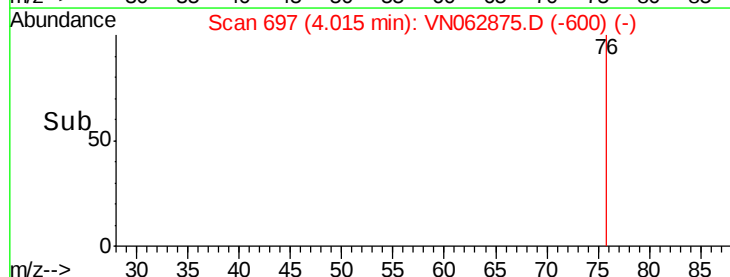
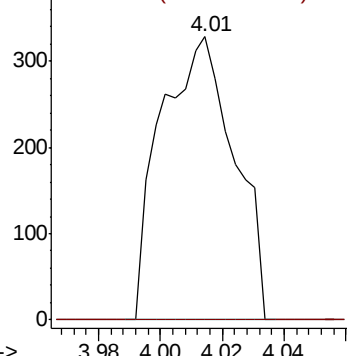
76 100

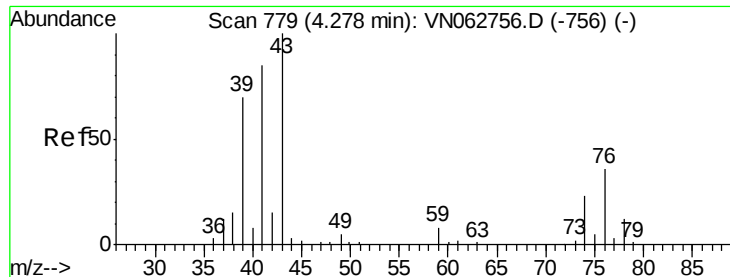
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

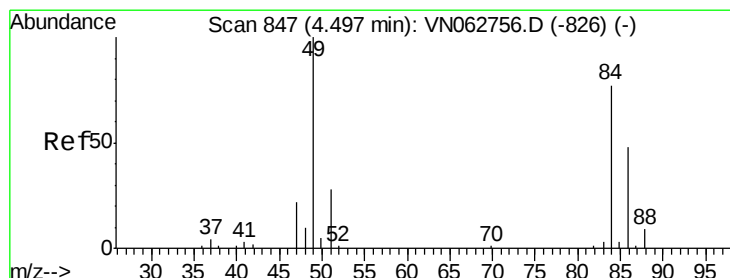
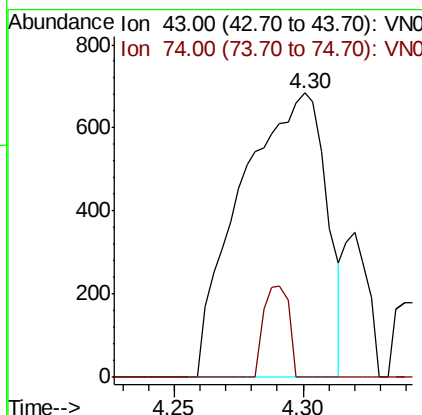
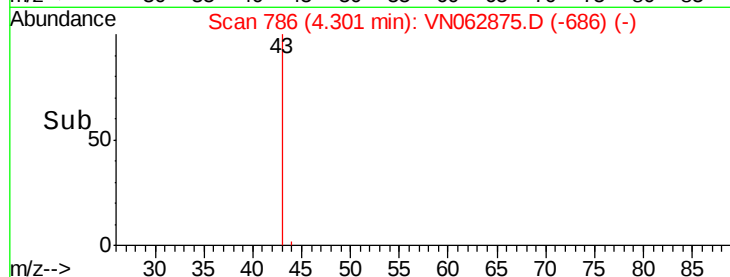
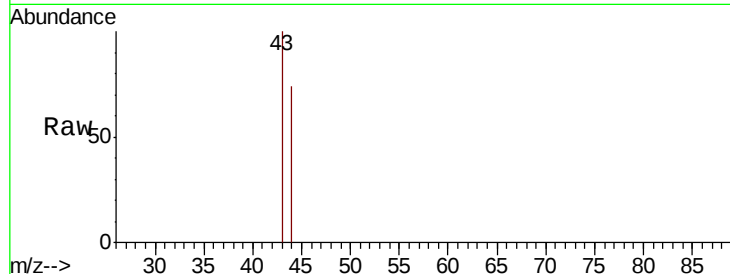




#18
Methyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 786
Delta R.T. 0.02 min
Lab File: VN062875.D
Acq: 12 Aug 2020 23:29

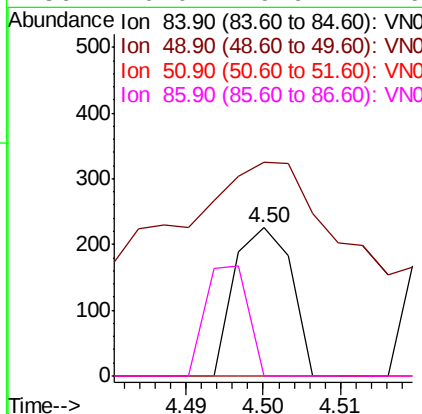
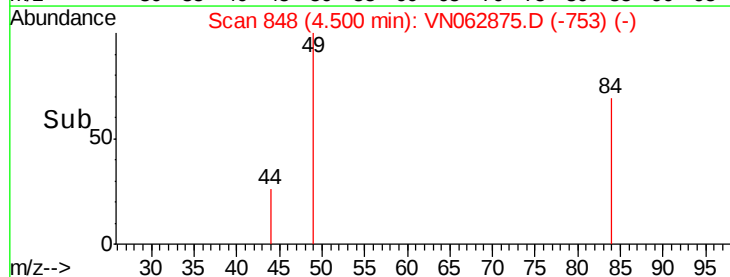
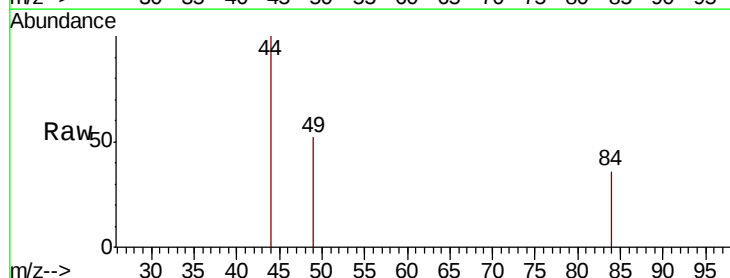
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL02

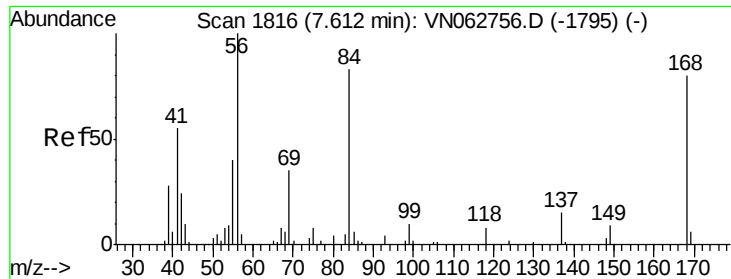
Tot Ion: 43 Resp: 1571
Ion Ratio Lower Upper
43 100
74 9.5 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062875.D
Acq: 12 Aug 2020 23:29

Tgt Ion: 84 Resp: 115
Ion Ratio Lower Upper
84 100
49 54.2 103.4 155.2#
51 0.0 29.3 43.9#
86 0.0 49.9 74.9#

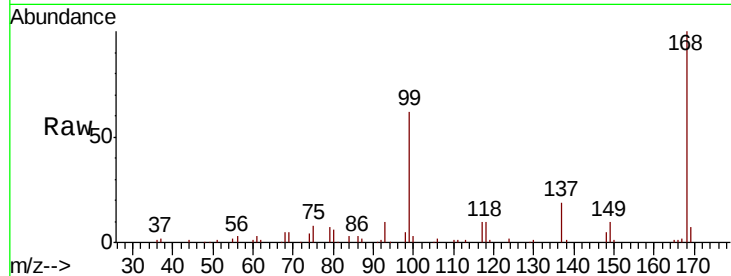




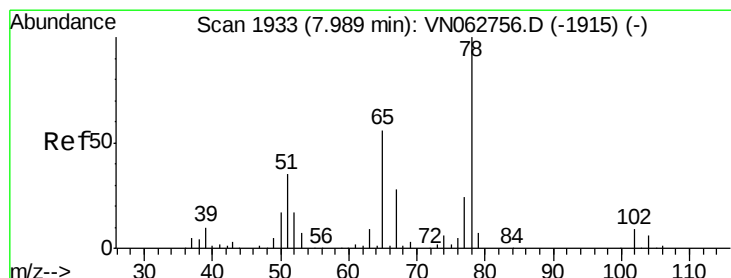
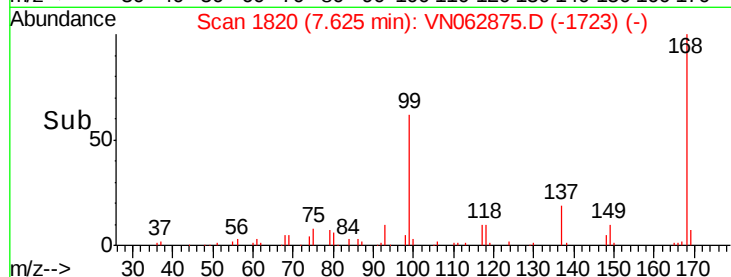
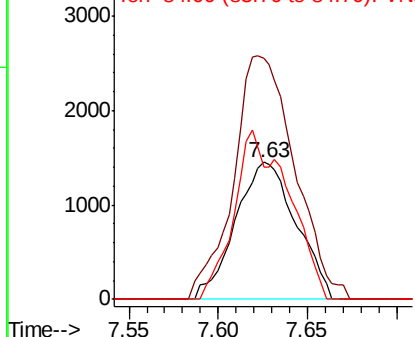
#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062875.D
Acq: 12 Aug 2020 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL02

Tot Ion: 56 Resp: 3441
Ion Ratio Lower Upper
56 100
69 176.6 28.1 42.1#
84 96.9 66.8 100.2

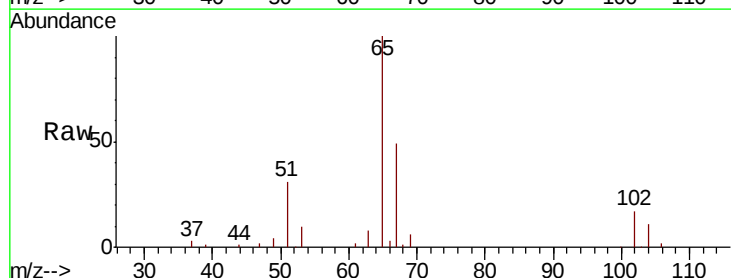


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

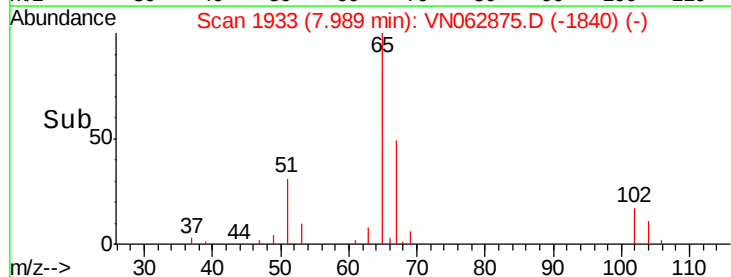
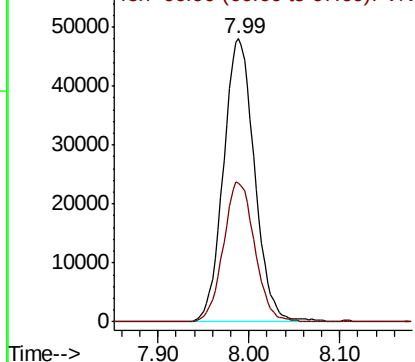


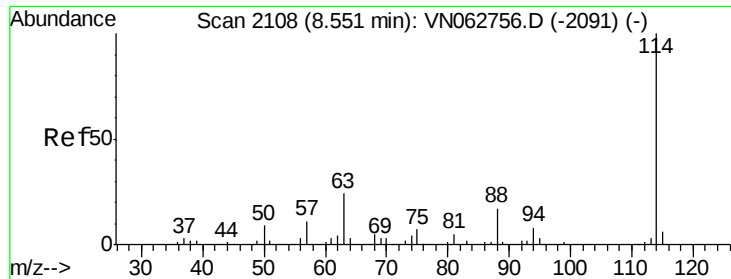
#33
1,2-Dichloroethane-d4
Concen: 51.465 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062875.D
Acq: 12 Aug 2020 23:29

Tgt Ion: 65 Resp: 114015
Ion Ratio Lower Upper
65 100
67 49.5 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

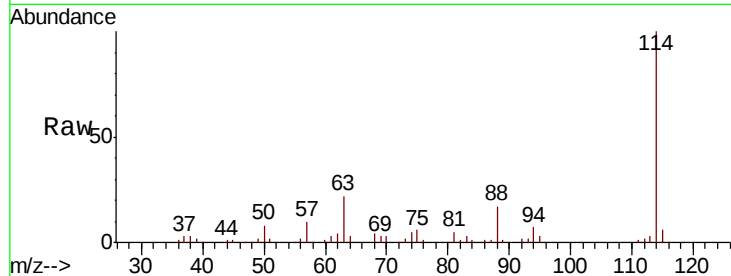




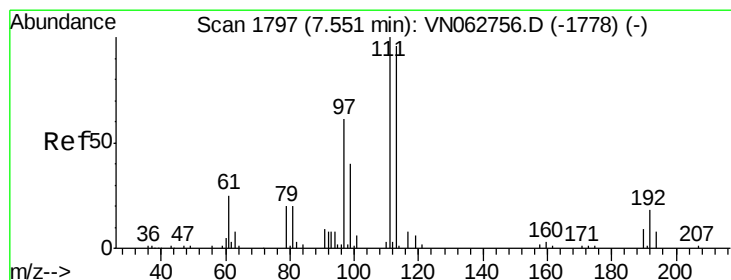
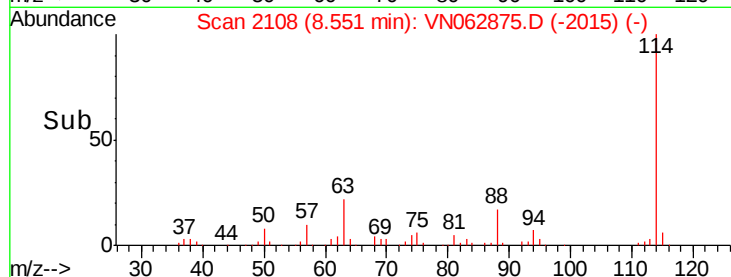
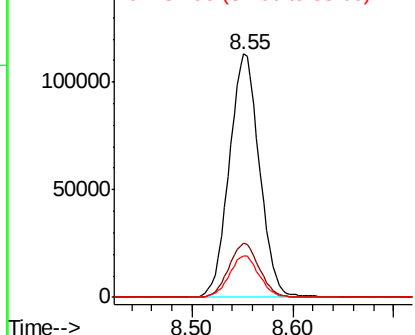
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062875.D
 Acq: 12 Aug 2020 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBL02

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	47.6
88	17.0	0.0	34.4

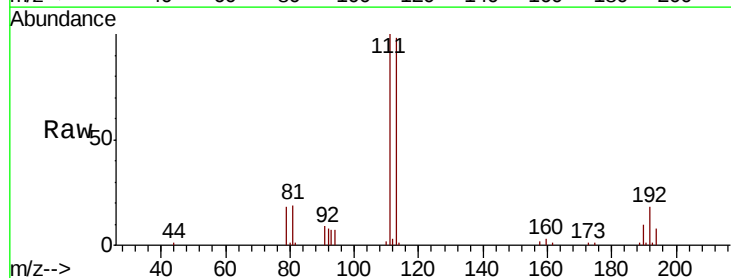


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

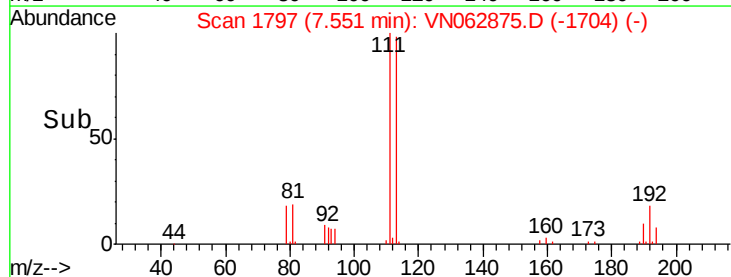
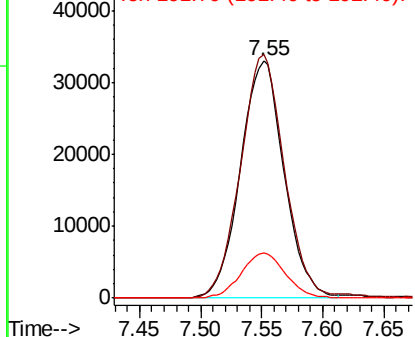


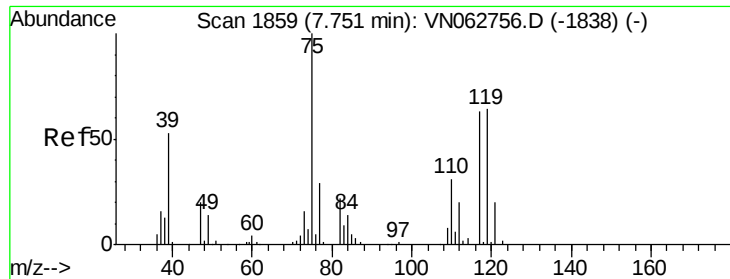
#35
 Dibromofluoromethane
 Concen: 50.625 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062875.D
 Acq: 12 Aug 2020 23:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	19.3	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

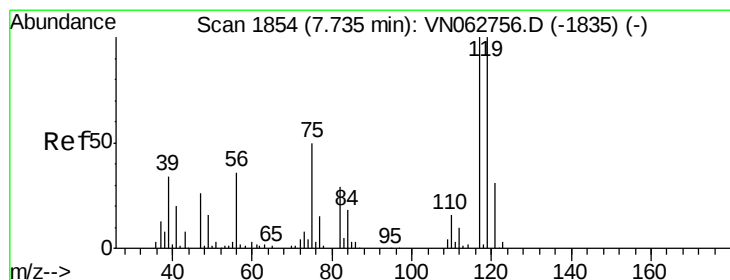
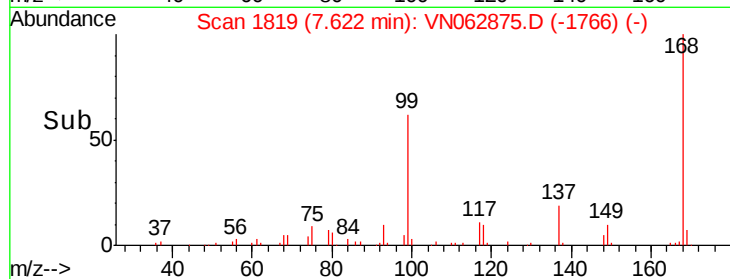
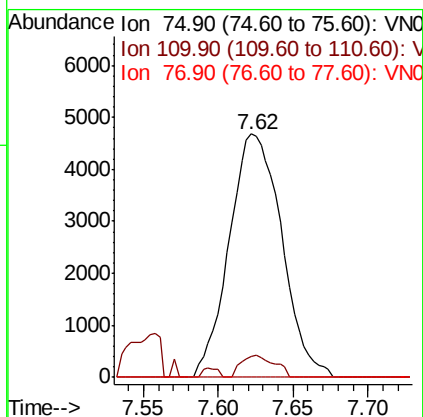
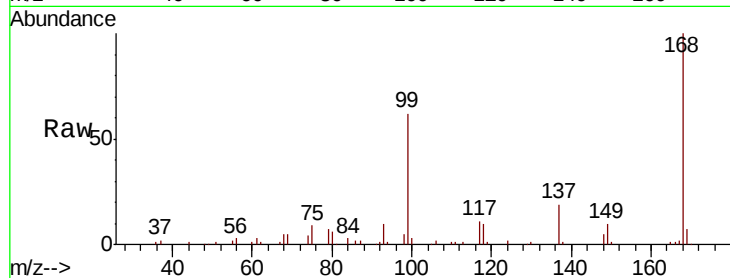




#36
 1,1-Dichloropropene
 Concen: 4.983 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062875.D
 Acq: 12 Aug 2020 23:29

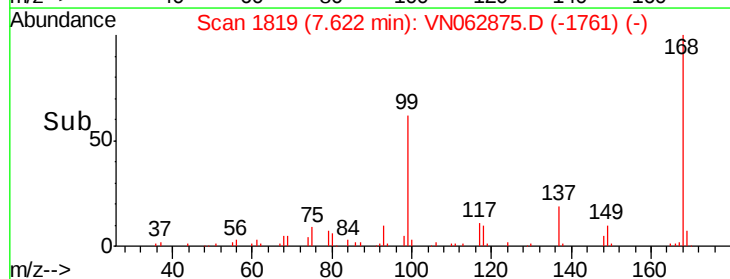
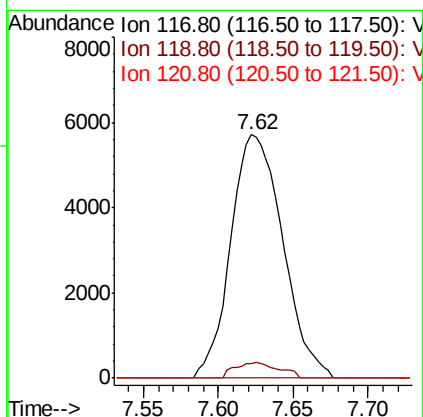
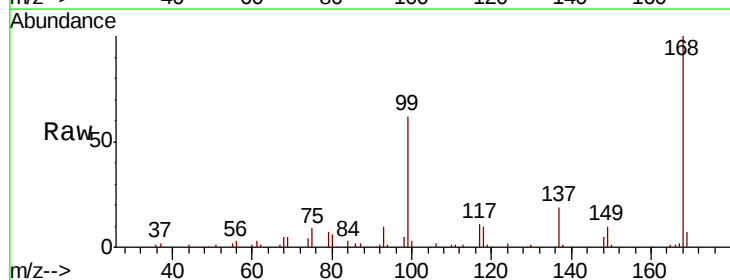
Instrument :
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 VN0812WBL02

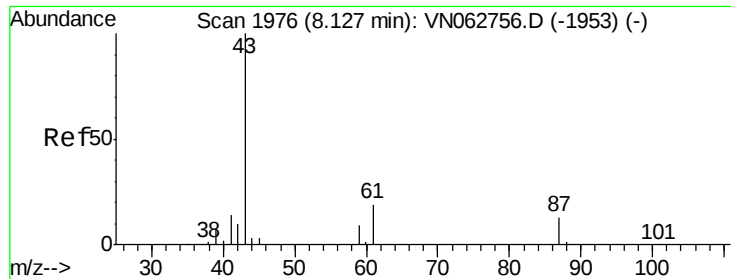
Tot Ion	75	Resp	11445
Ion Ratio	Lower	Upper	
75	100		
110	5.7	15.6	46.7#
77	0.0	24.1	36.1#



#38
 Carbon Tetrachloride
 Concen: 5.079 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062875.D
 Acq: 12 Aug 2020 23:29

Tgt Ion	117	Resp	13798
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	6.2	79.4	119.2#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 0.835 ug/l

RT: 8.27 min Scan# 2019

Delta R.T. 0.14 min

Lab File: VN062875.D

Acq: 12 Aug 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBL02

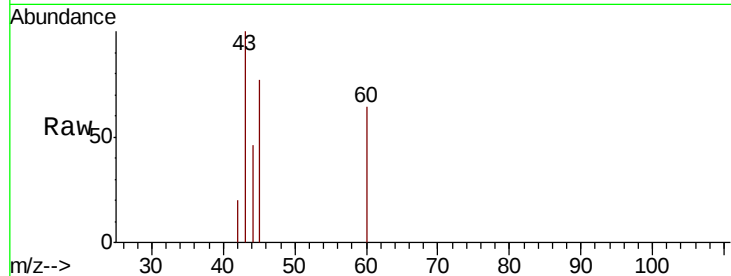
Tot Ion: 43 Resp: 3342

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

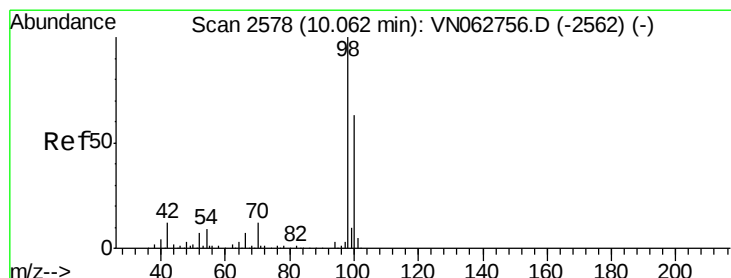
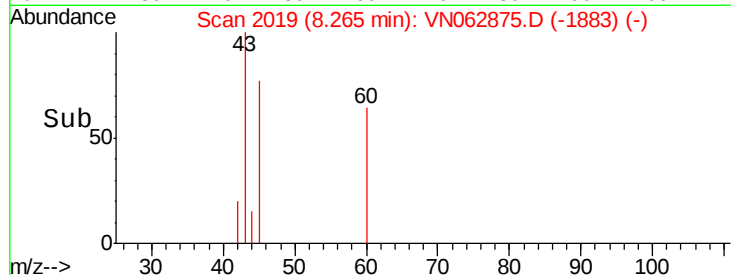
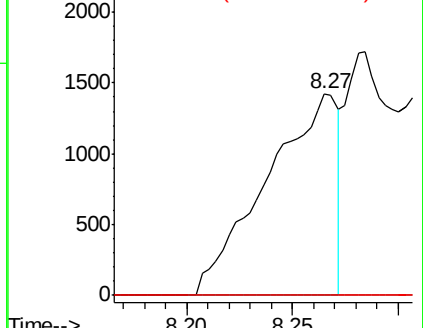
87 0.0 9.9 14.9#



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



#50

Toluene-d8

Concen: 48.282 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062875.D

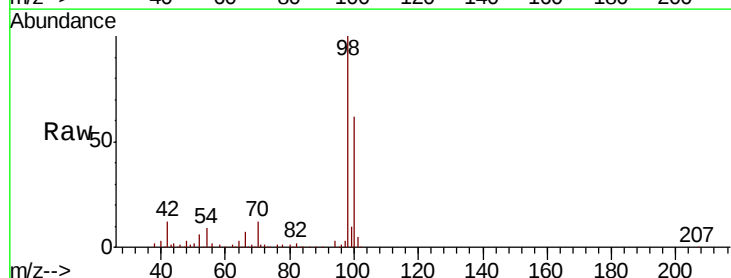
Acq: 12 Aug 2020 23:29

Tgt Ion: 98 Resp: 304176

Ion Ratio Lower Upper

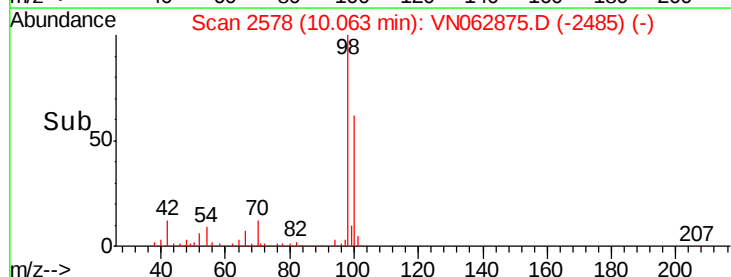
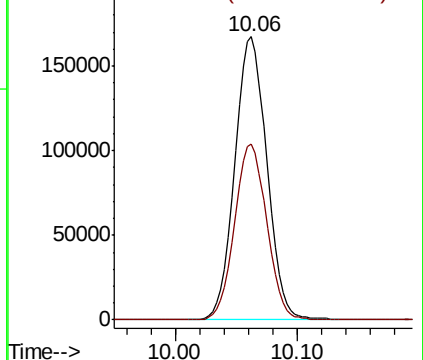
98 100

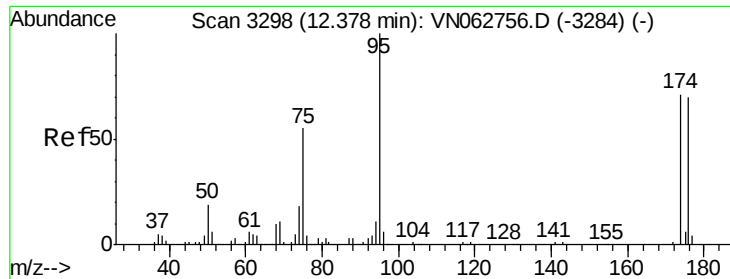
100 62.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 45.670 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062875.D

Acq: 12 Aug 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBL02

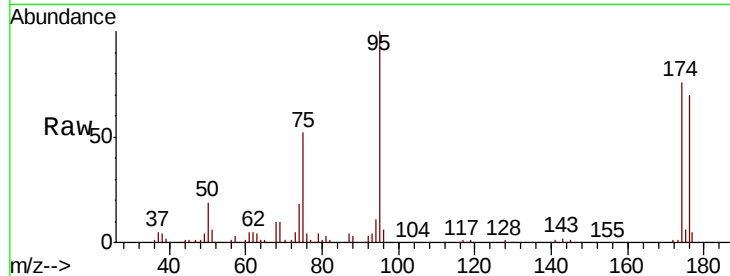
Tot Ion: 95 Resp: 108730

Ion Ratio Lower Upper

95 100

174 76.2 0.0 144.8

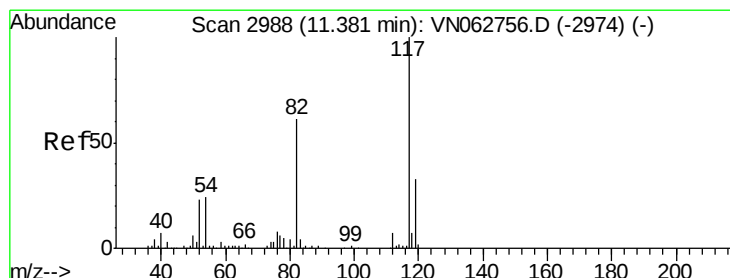
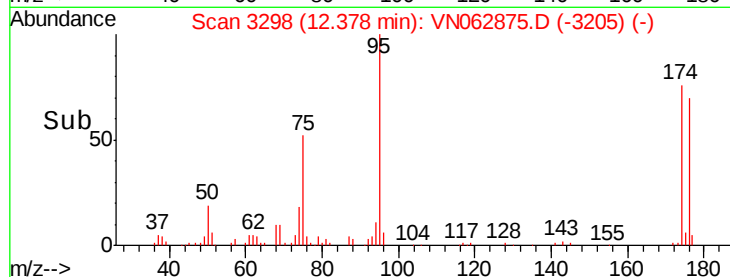
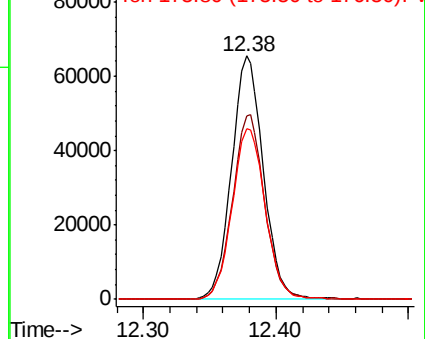
176 73.4 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062875.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062875.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062875.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062875.D

Acq: 12 Aug 2020 23:29

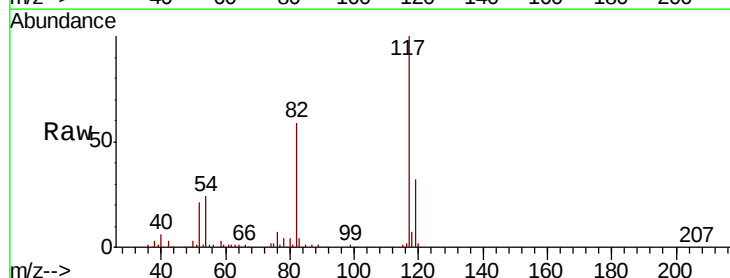
Tgt Ion: 117 Resp: 237620

Ion Ratio Lower Upper

117 100

82 59.4 49.0 73.4

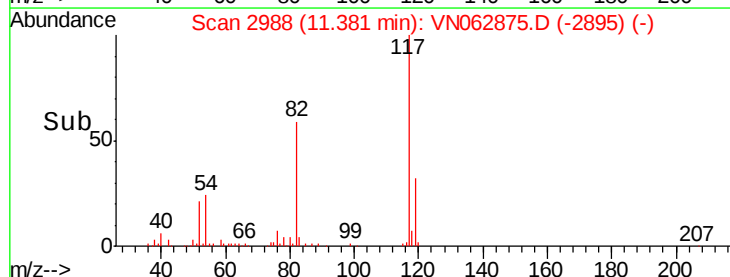
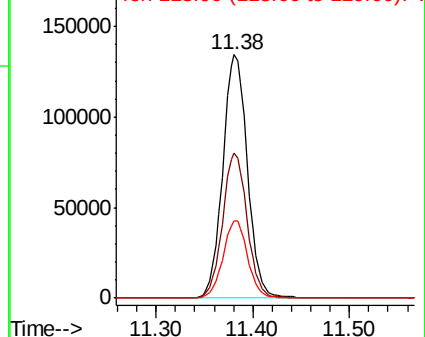
119 31.7 26.2 39.2

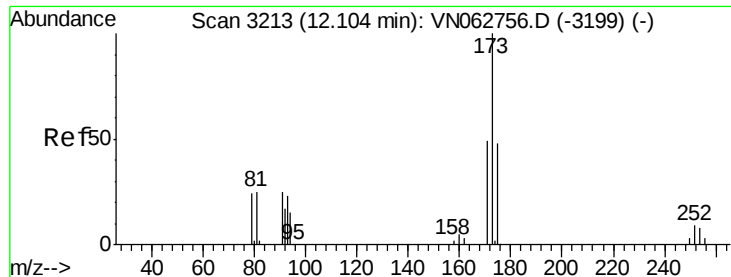


Abundance Ion 116.90 (116.60 to 117.60): VN062875.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062875.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062875.D (-2895) (-)

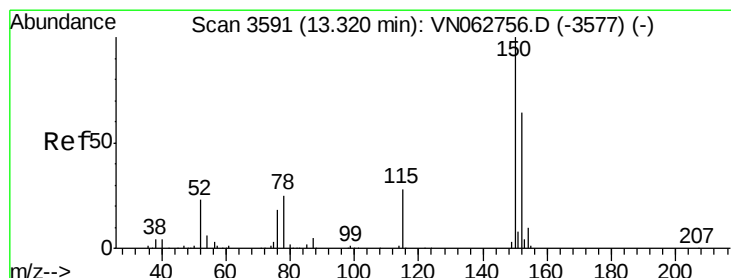
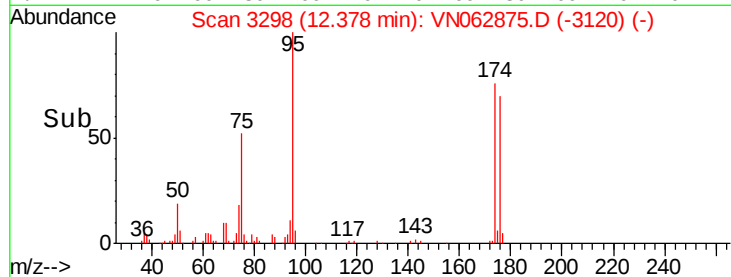
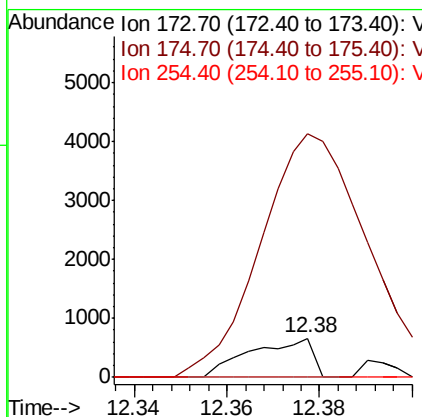
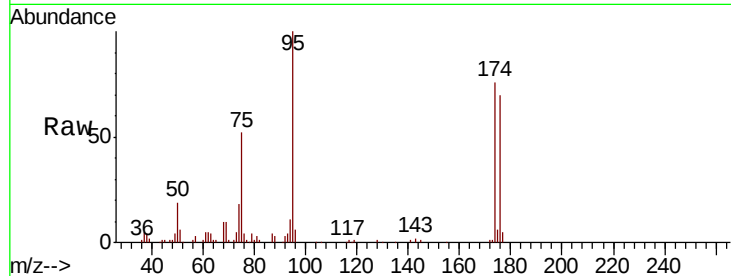




#71
Bromoform
Concen: 0.379 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.27 min
Lab File: VN062875.D
Acq: 12 Aug 2020 23:29

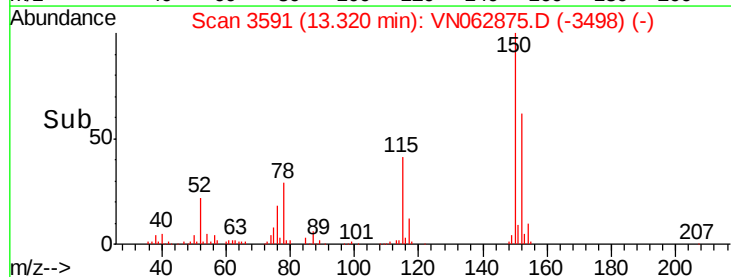
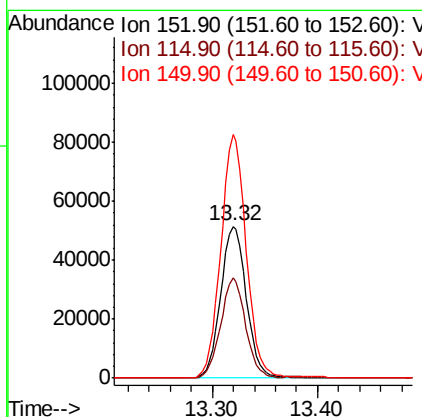
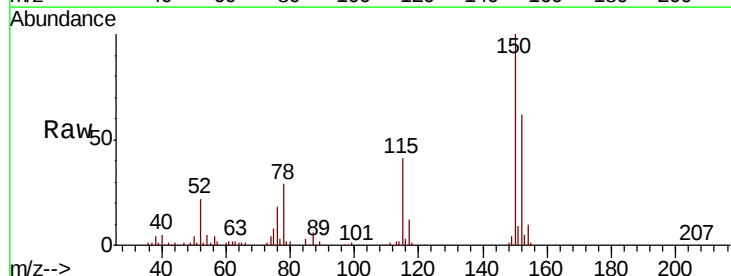
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL02

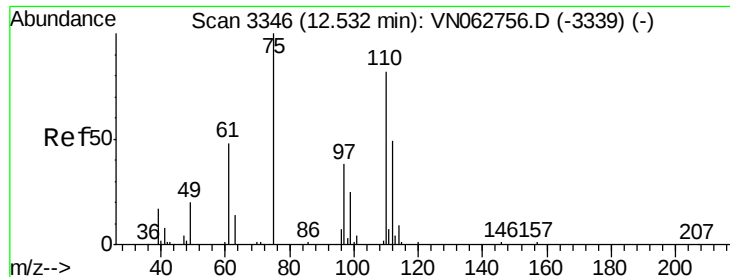
Tot Ion:173 Resp: 619
Ion Ratio Lower Upper
173 100
175 934.6 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062875.D
Acq: 12 Aug 2020 23:29

Tgt Ion:152 Resp: 86984
Ion Ratio Lower Upper
152 100
115 63.5 31.6 94.8
150 157.7 0.0 349.2

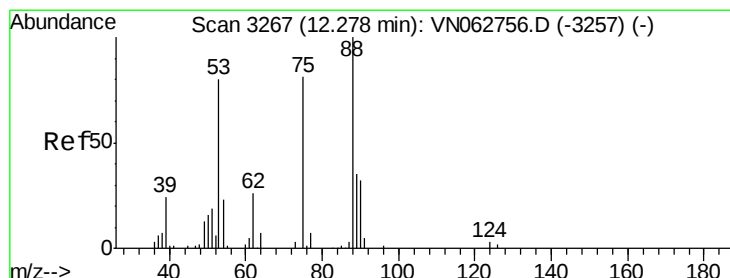
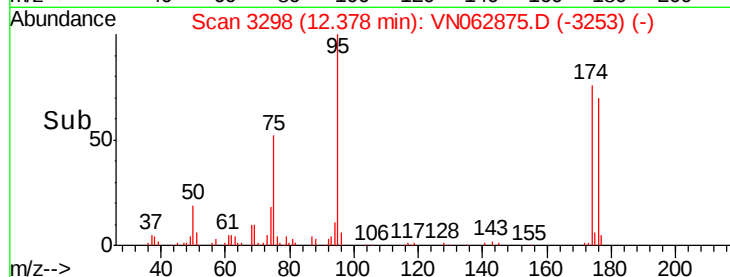
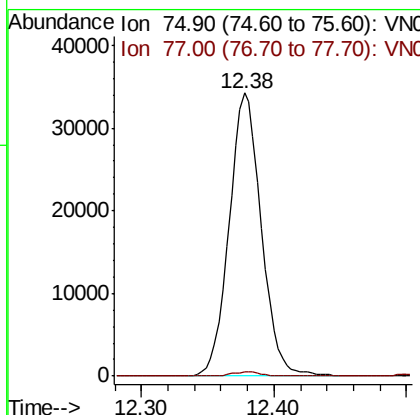
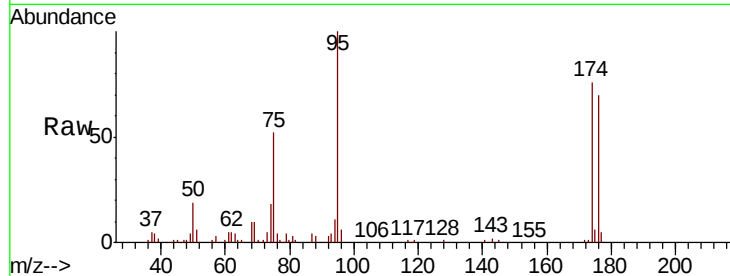




#76
 1,2,3-Trichloropropane
 Concen: 24.504 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062875.D
 Acq: 12 Aug 2020 23:29

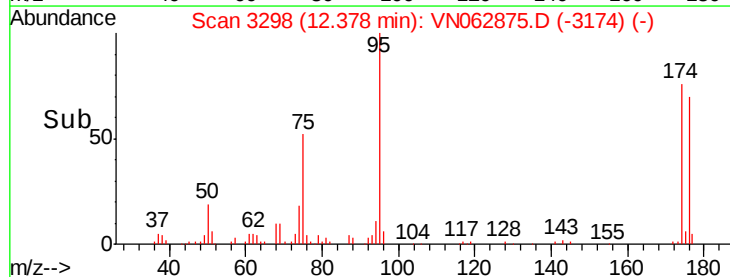
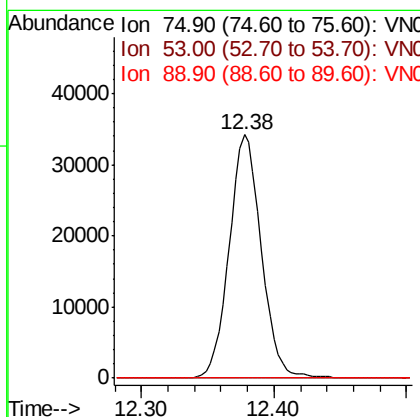
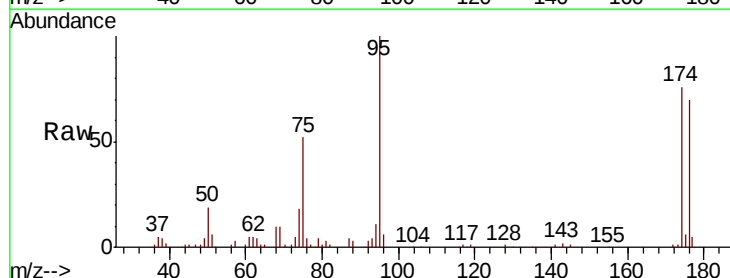
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBL02

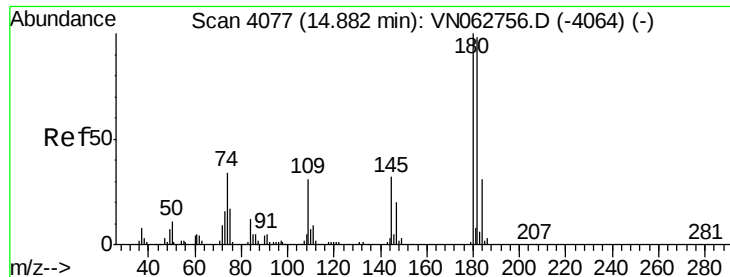
Tot Ion: 75 Resp: 57483
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.804 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062875.D
 Acq: 12 Aug 2020 23:29

Tgt Ion: 75 Resp: 57483
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#

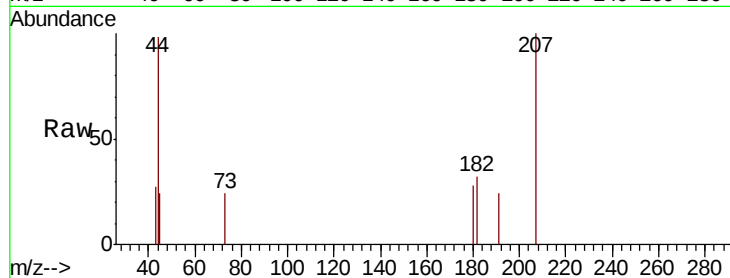




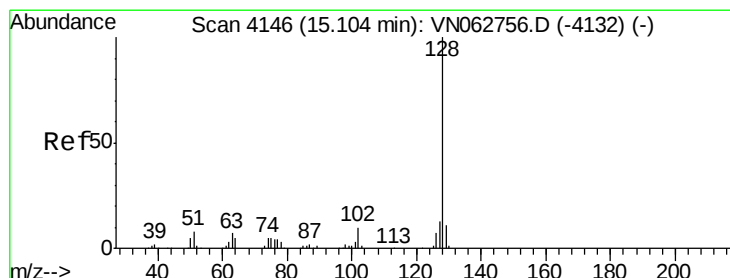
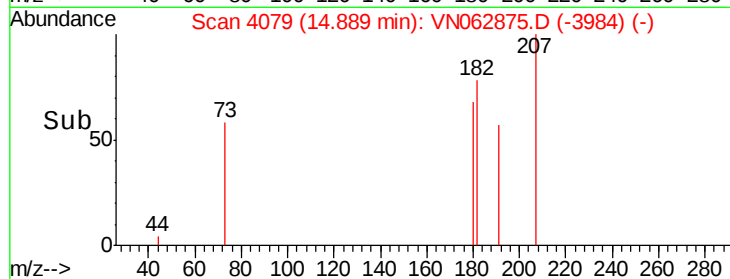
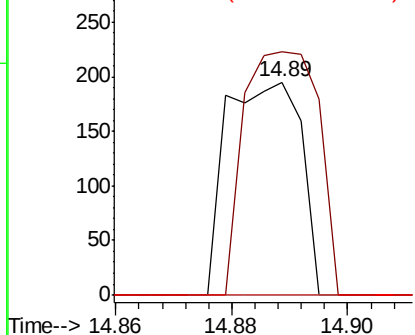
#93
 1,2,4-Trichlorobenzene
 Concen: 3.433 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN062875.D
 Acq: 12 Aug 2020 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBL02

Tot Ion:180 Resp: 174
 Ion Ratio Lower Upper
 180 100
 182 113.8 49.1 147.4
 145 0.0 16.3 48.8#

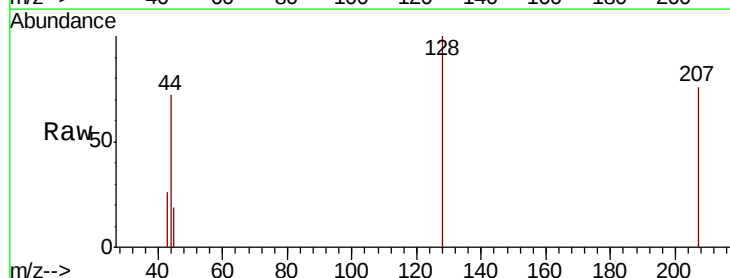


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

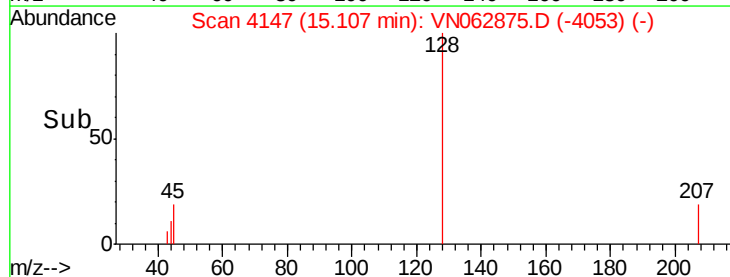
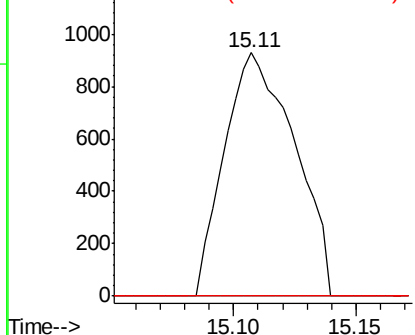


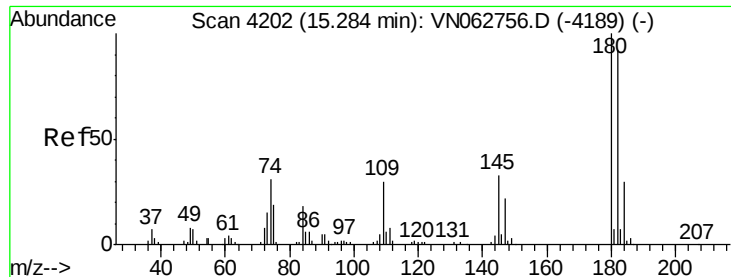
#95
 Naphthalene
 Concen: 4.138 ug/l
 RT: 15.11 min Scan# 4147
 Delta R.T. 0.00 min
 Lab File: VN062875.D
 Acq: 12 Aug 2020 23:29

Tgt Ion:128 Resp: 1855
 Ion Ratio Lower Upper
 128 100
 127 0.0 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: 3.073 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. 0.01 min
 Lab File: VN062875.D
 Acq: 12 Aug 2020 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.9	47.9	143.6
145	0.0	17.3	51.7

