

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062422.D
 Acq On : 8 Jul 2020 22:22
 Operator : JC/MD
 Sample : VN0708WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBL02

Quant Time: Jul 09 02:25:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	177666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	319046	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	301958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	105547	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	140431	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	7.55	113	104385	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
50) Toluene-d8	10.06	98	408714	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.38	95	142192	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

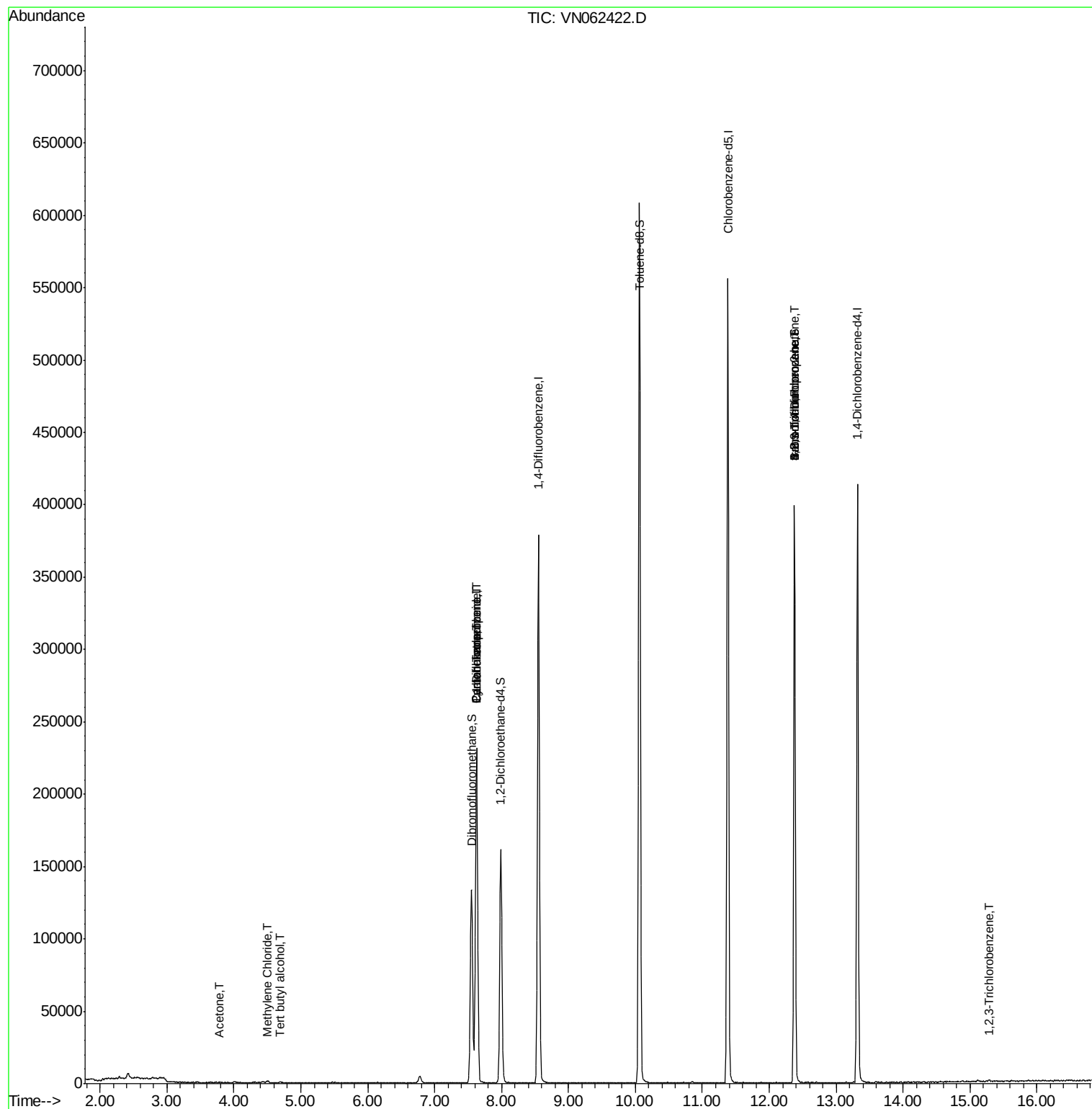
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	222	0.490	ug/l #	74
16) Acetone	3.77	43	309	0.266	ug/l #	45
20) Methylene Chloride	4.50	84	499	0.201	ug/l #	49
31) Cyclohexane	7.63	56	4519	1.089	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	15980	4.971	ug/l #	52
38) Carbon Tetrachloride	7.63	117	18704	6.472	ug/l #	16
71) Bromoform	12.37	173	429	0.270	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	76522	29.548	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	76522	79.087	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.89	180	214	Below Cal	#	77
95) Naphthalene	15.11	128	1492	Below Cal	#	70
96) 1,2,3-Trichlorobenzene	15.29	180	379	3.433	ug/l #	71

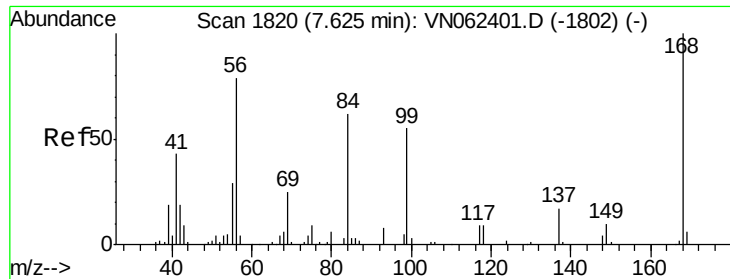
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 09 02:12:34 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: VN062422.D

Acq: 8 Jul 2020 22:22

Instrument :

MSVOA_N

ClientSampleId :

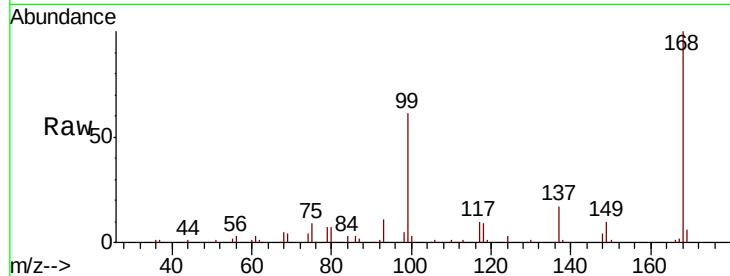
VN0708WBL02

Tot Ion:168 Resp: 177666

Ion Ratio Lower Upper

168 100

99 61.3 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

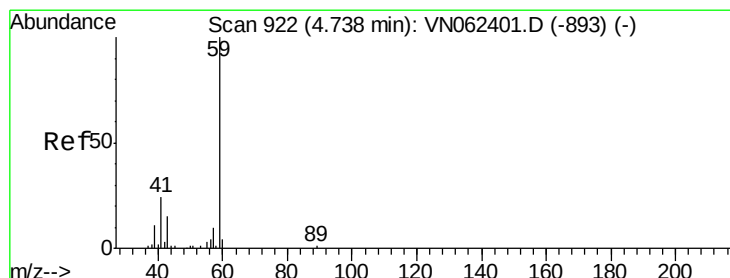
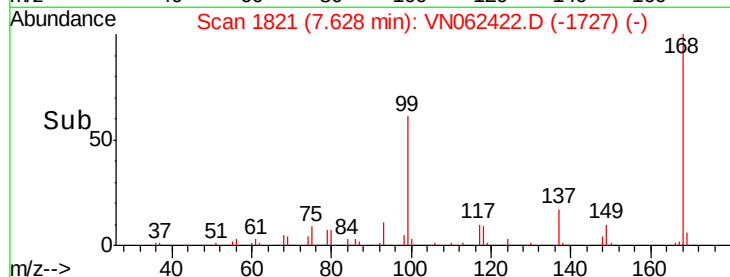
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 0.490 ug/l

RT: 4.69 min Scan# 908

Delta R.T. -0.05 min

Lab File: VN062422.D

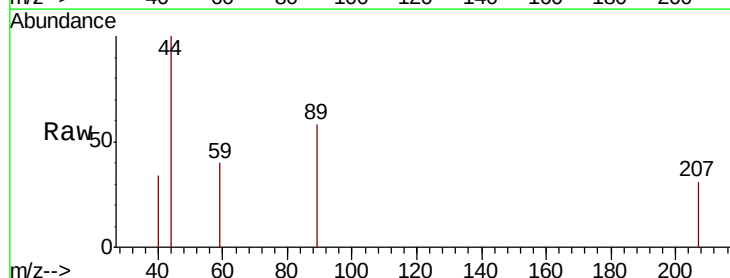
Acq: 8 Jul 2020 22:22

Tgt Ion: 59 Resp: 222

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.69

250

200

150

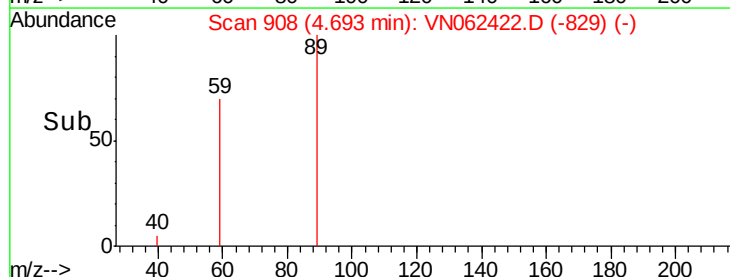
100

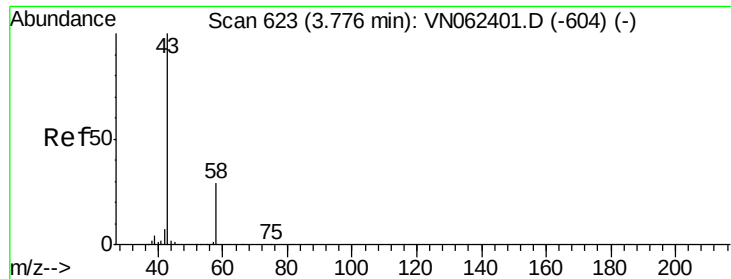
50

0

Time-->

4.67 4.68 4.69 4.70 4.71

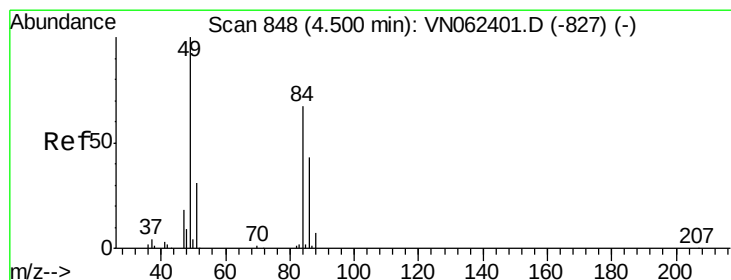
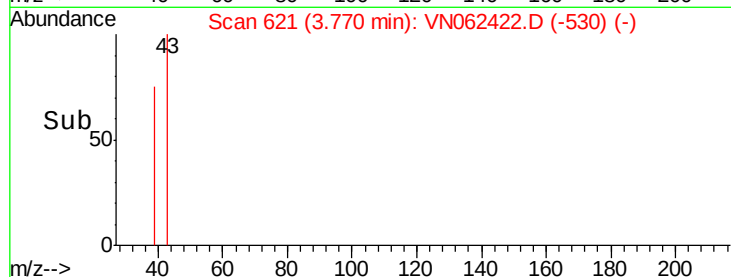
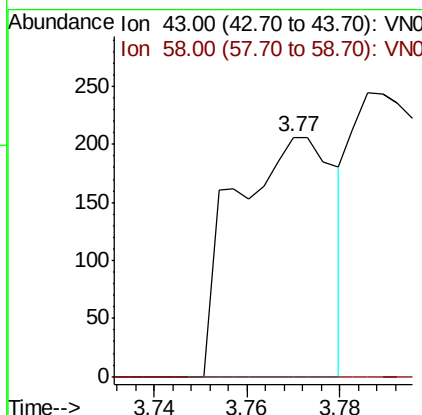
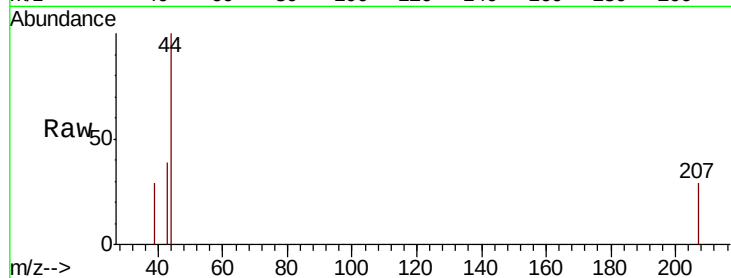




#16
Acetone
Concen: 0.266 ug/l
RT: 3.77 min Scan# 621
Delta R.T. -0.01 min
Lab File: VN062422.D
Acq: 8 Jul 2020 22:22

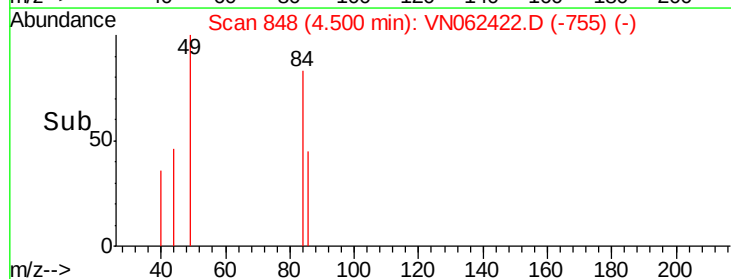
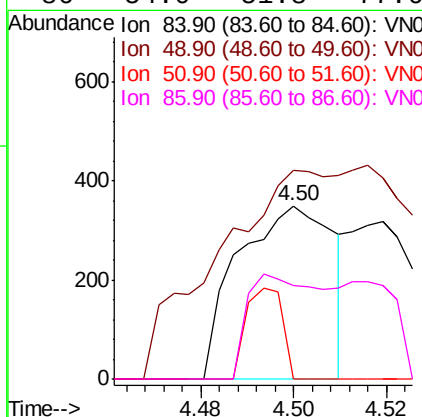
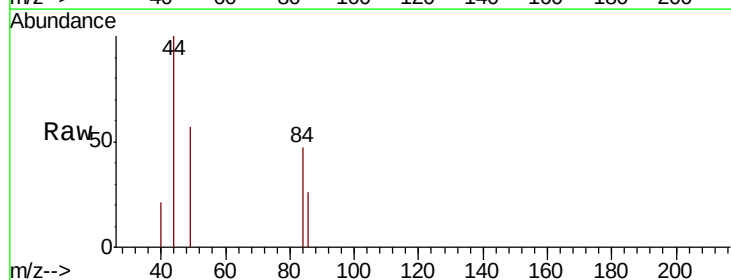
Instrument :
MSVOA_N
ClientSampleId :
VN0708WBL02

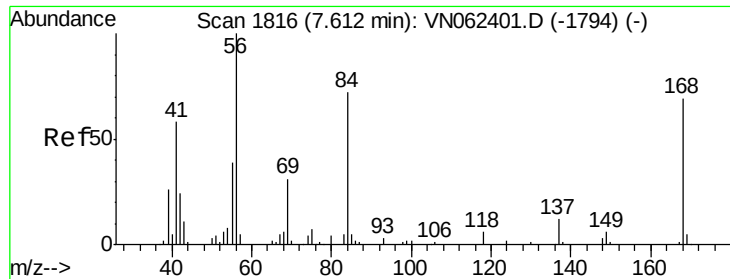
Tot Ion: 43 Resp: 309
Ion Ratio Lower Upper
43 100
58 0.0 23.5 35.3#



#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062422.D
Acq: 8 Jul 2020 22:22

Tgt Ion: 84 Resp: 499
Ion Ratio Lower Upper
84 100
49 71.7 120.0 180.0#
51 0.0 37.0 55.6#
86 54.0 51.8 77.6

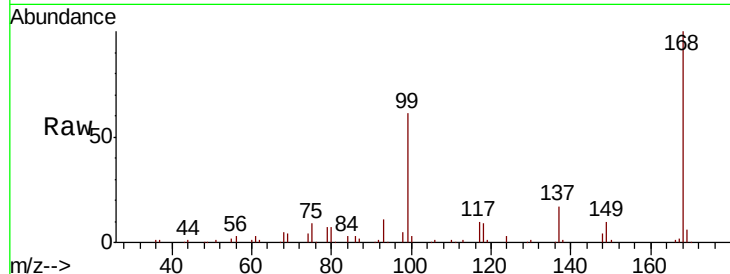




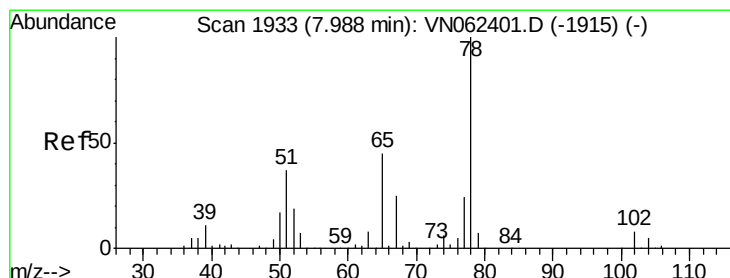
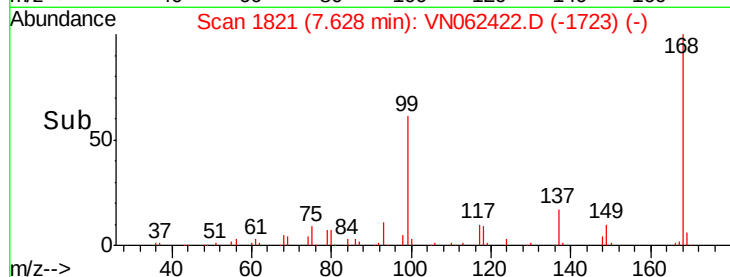
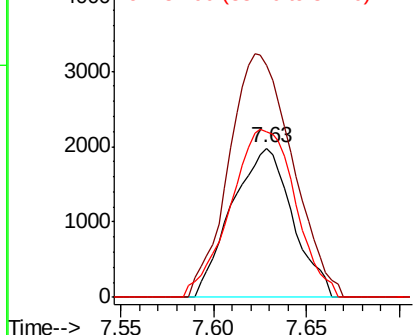
#31
Cyclohexane
Concen: 1.089 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062422.D
Acq: 8 Jul 2020 22:22

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBL02

Tot Ion: 56 Resp: 4519
Ion Ratio Lower Upper
56 100
69 155.1 24.5 36.7#
84 110.6 57.4 86.2#

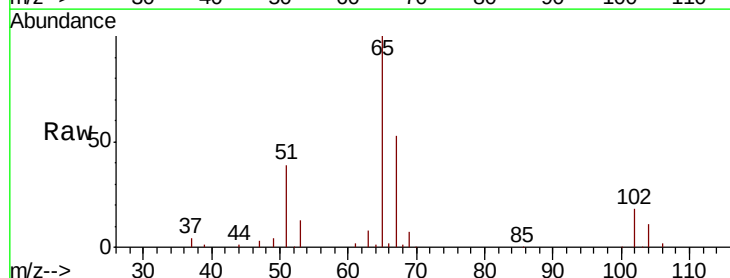


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

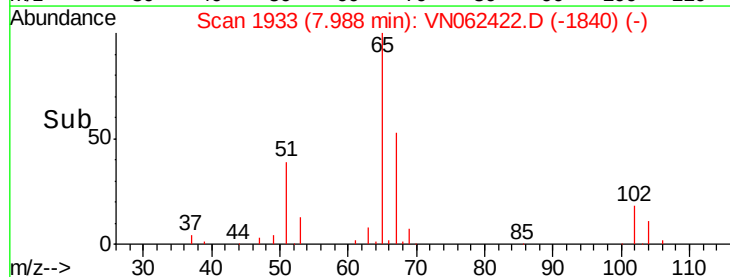
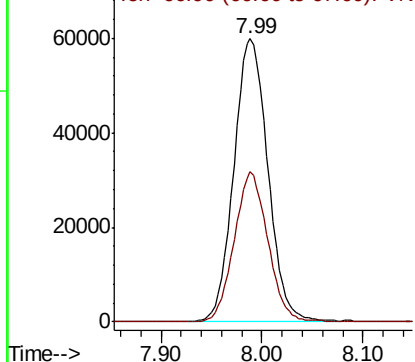


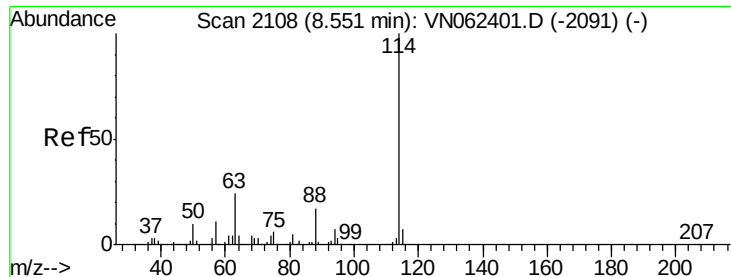
#33
1,2-Dichloroethane-d4
Concen: 51.389 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062422.D
Acq: 8 Jul 2020 22:22

Tgt Ion: 65 Resp: 140431
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.6



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: VN062422.D

Acq: 8 Jul 2020 22:22

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBL02

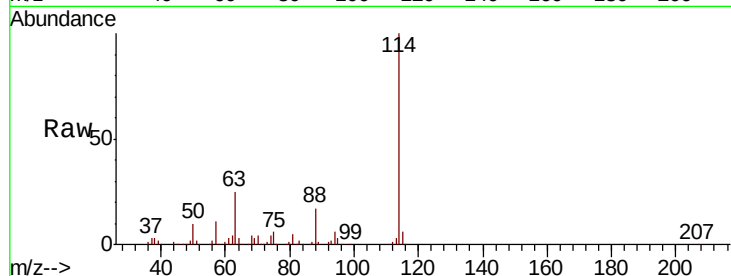
Tot Ion:114 Resp: 319046

Ion Ratio Lower Upper

114 100

63 24.7 0.0 48.4

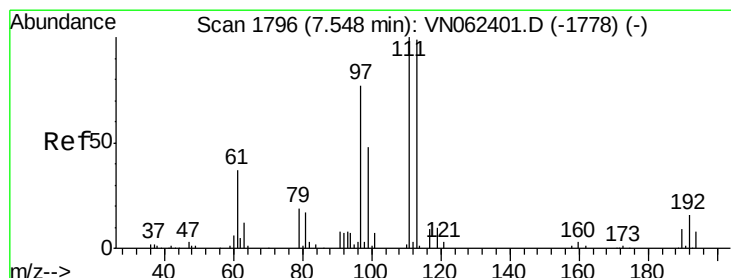
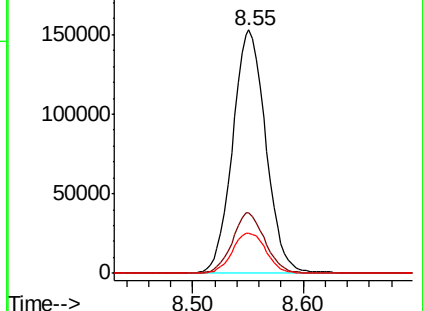
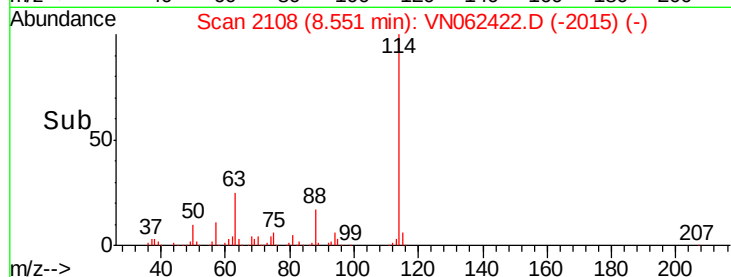
88 16.5 0.0 33.8



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: 52.930 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062422.D

Acq: 8 Jul 2020 22:22

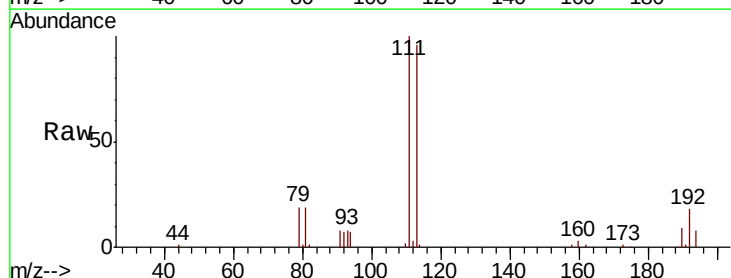
Tgt Ion:113 Resp: 104385

Ion Ratio Lower Upper

113 100

111 101.8 83.1 124.7

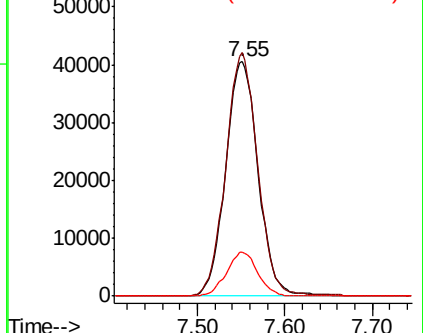
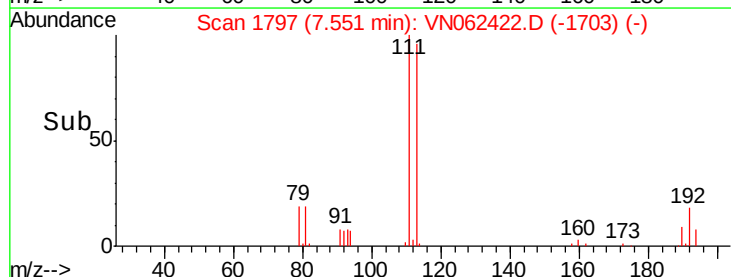
192 17.9 14.1 21.1

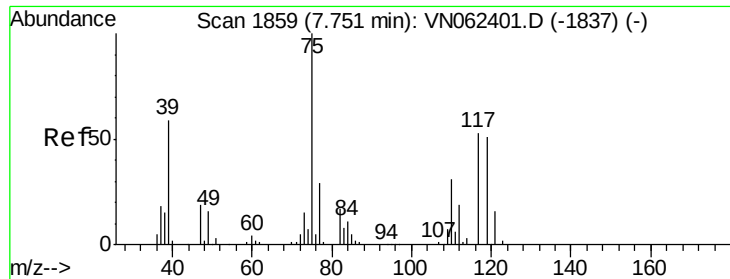


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.971 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062422.D

Acq: 8 Jul 2020 22:22

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBL02

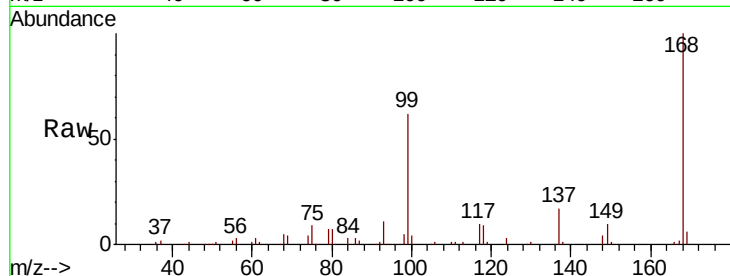
Tot Ion: 75 Resp: 15980

Ion Ratio Lower Upper

75 100

110 8.0 15.4 46.2#

77 0.0 24.1 36.1#



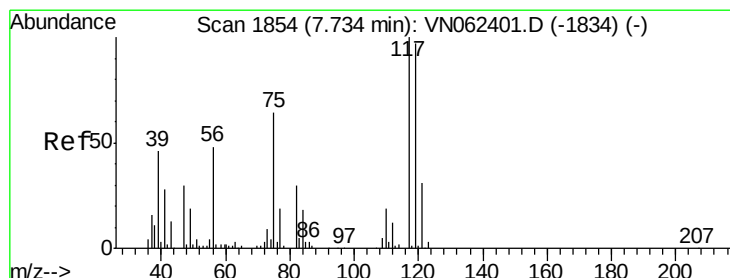
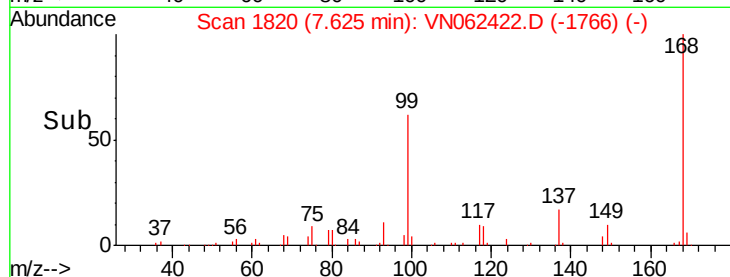
Abundance Ion 74.90 (74.60 to 75.60): VN062401.D (-1837) (-)

Ion 109.90 (109.60 to 110.60): VN062401.D (-1837) (-)

Ion 76.90 (76.60 to 77.60): VN062401.D (-1837) (-)

7.63

Time-->



#38

Carbon Tetrachloride

Concen: 6.472 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN062422.D

Acq: 8 Jul 2020 22:22

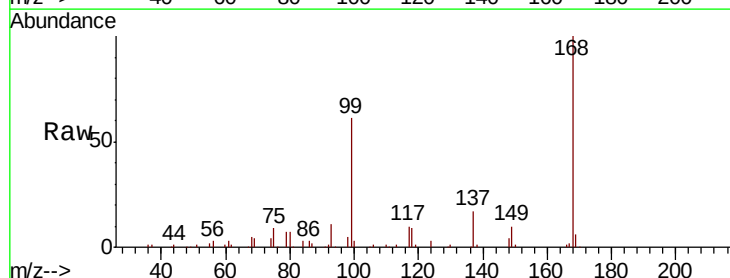
Tgt Ion: 117 Resp: 18704

Ion Ratio Lower Upper

117 100

119 5.8 77.2 115.8#

121 0.0 24.8 37.2#



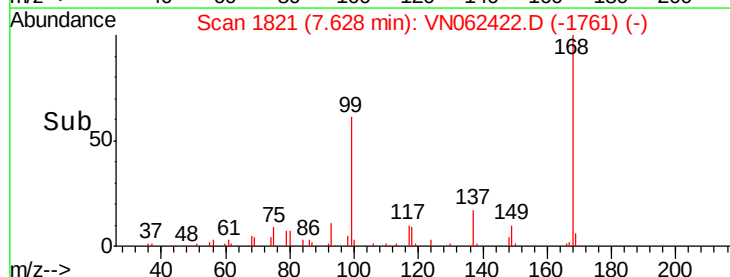
Abundance Ion 116.80 (116.50 to 117.50): VN062401.D (-1834) (-)

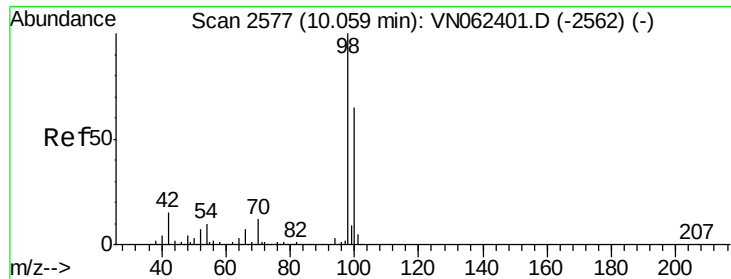
Ion 118.80 (118.50 to 119.50): VN062401.D (-1834) (-)

Ion 120.80 (120.50 to 121.50): VN062401.D (-1834) (-)

7.63

Time-->

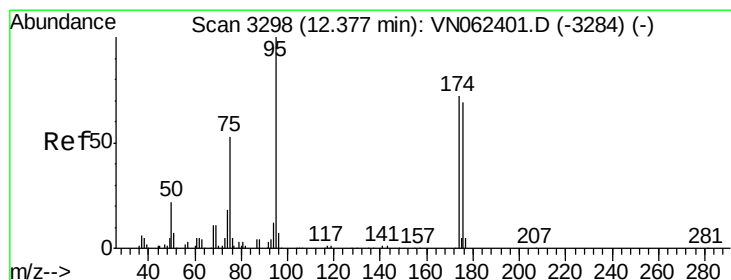
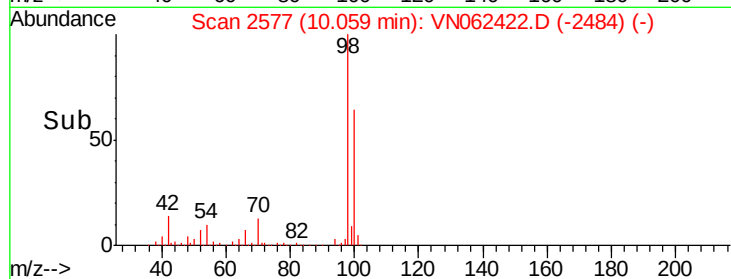
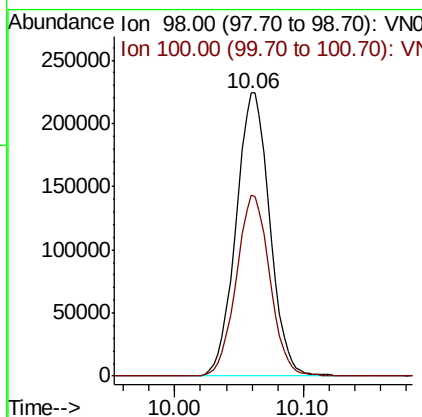
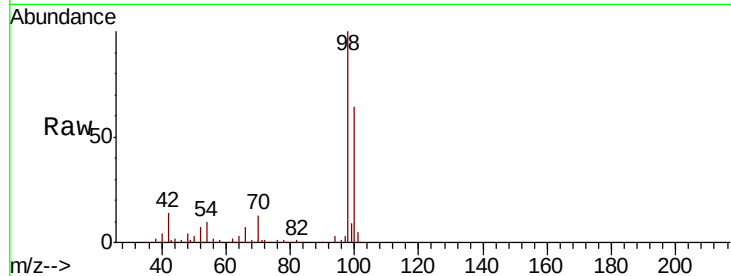




#50
Toluene-d8
Concen: 52.497 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062422.D
Acq: 8 Jul 2020 22:22

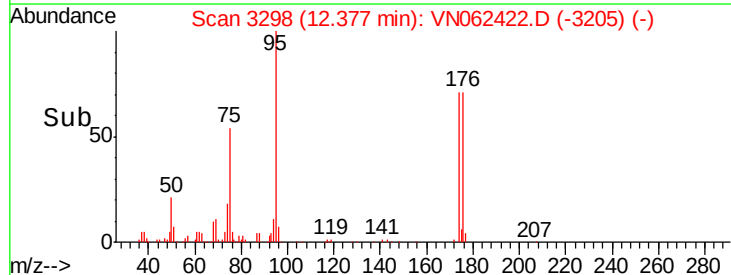
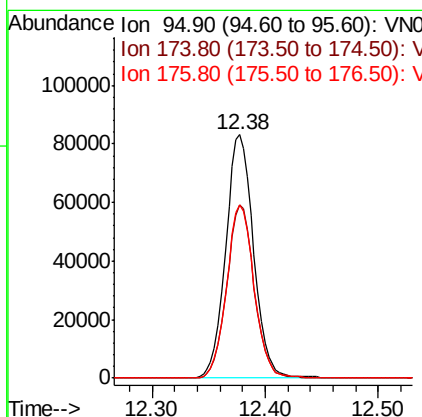
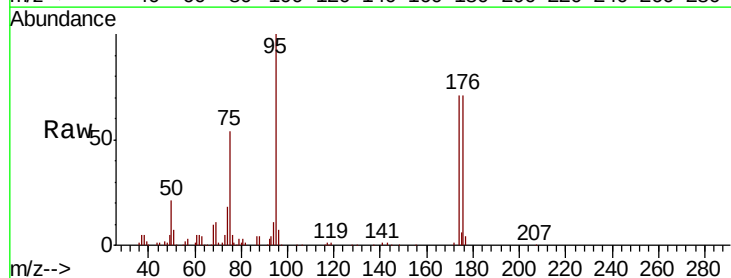
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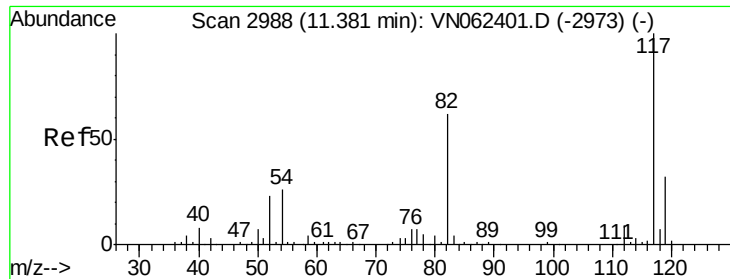
Tot Ion: 98 Resp: 408714
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 49.979 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062422.D
Acq: 8 Jul 2020 22:22

Tgt Ion: 95 Resp: 142192
Ion Ratio Lower Upper
95 100
174 70.4 0.0 141.6
176 70.4 0.0 137.2

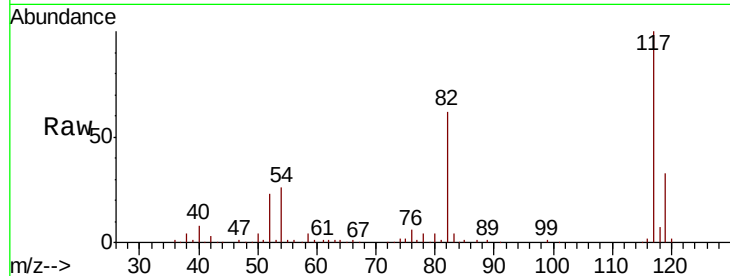




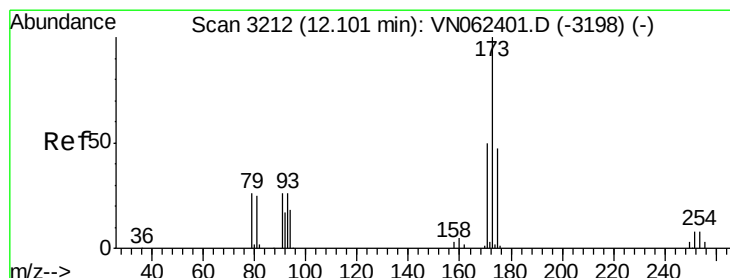
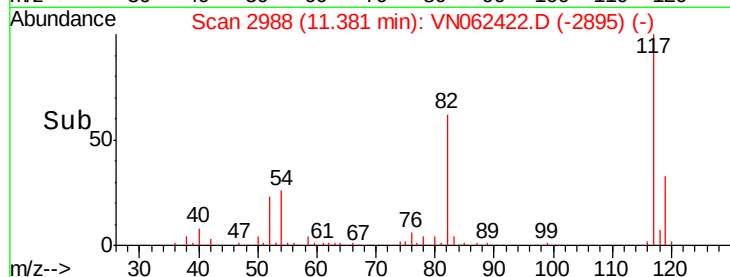
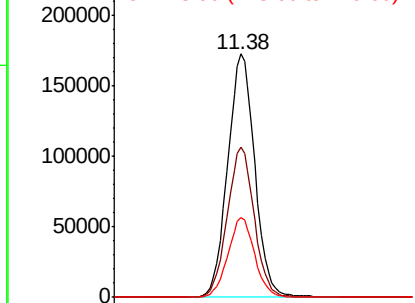
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062422.D
Acq: 8 Jul 2020 22:22

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBL02

Tot Ion:117 Resp: 301958
Ion Ratio Lower Upper
117 100
82 61.7 49.6 74.4
119 33.0 25.4 38.0

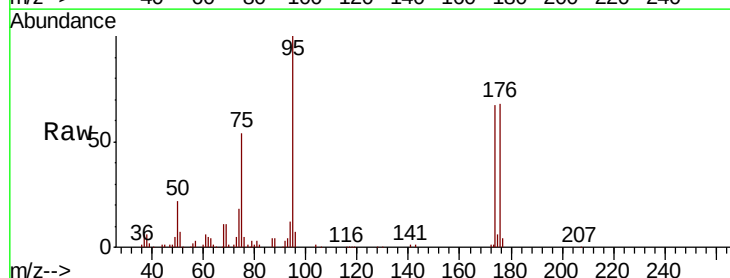


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

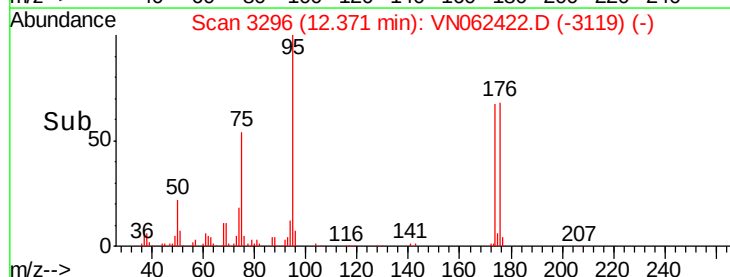
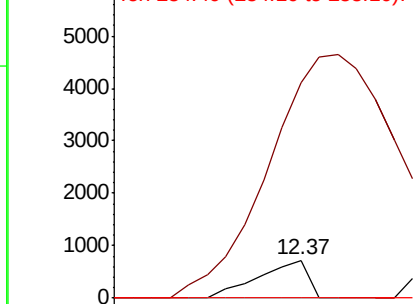


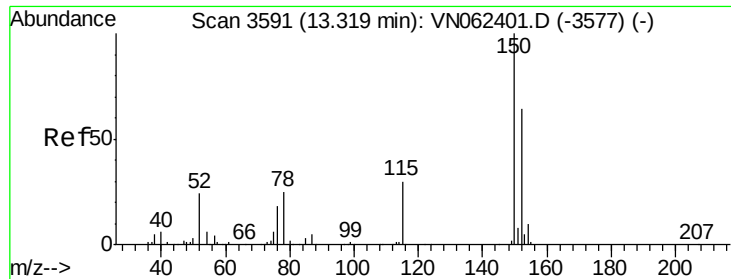
#71
Bromoform
Concen: 0.270 ug/l
RT: 12.37 min Scan# 3296
Delta R.T. 0.27 min
Lab File: VN062422.D
Acq: 8 Jul 2020 22:22

Tgt Ion:173 Resp: 429
Ion Ratio Lower Upper
173 100
175 1482.3 23.7 71.1#
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: VN062422.D

Acq: 8 Jul 2020 22:22

Instrument :

MSVOA_N

ClientSampled :

VN0708WBL02

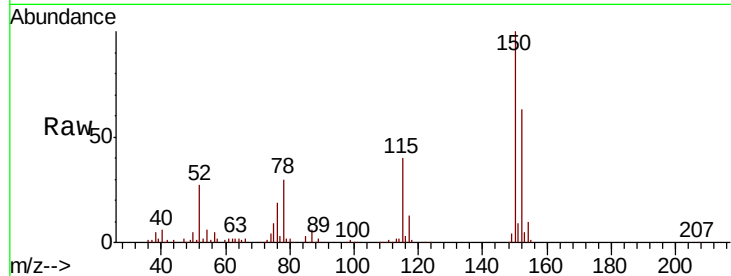
Tot Ion:152 Resp: 105547

Ion Ratio Lower Upper

152 100

115 62.5 31.4 94.2

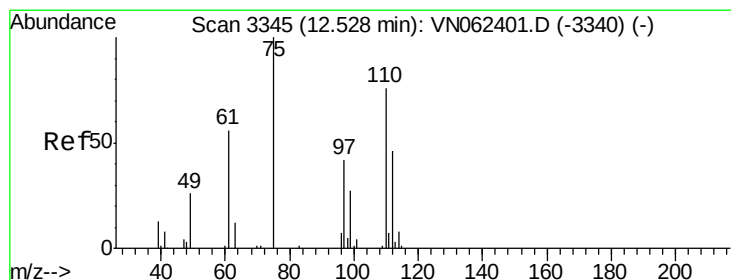
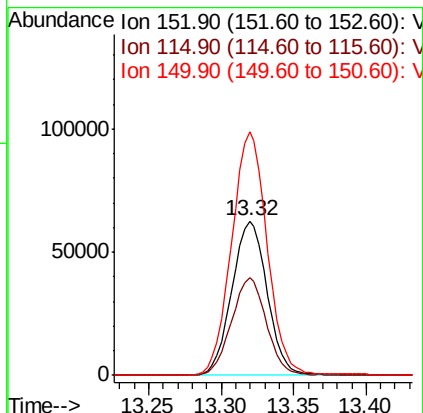
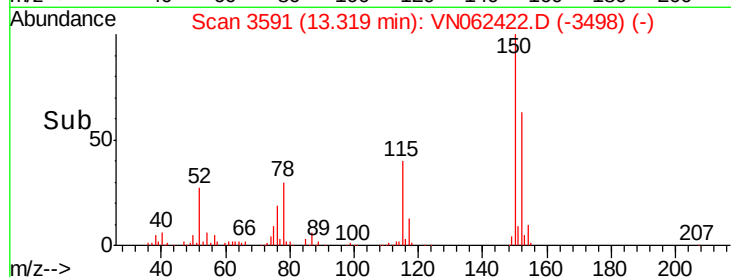
150 158.9 0.0 347.4



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: 29.548 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062422.D

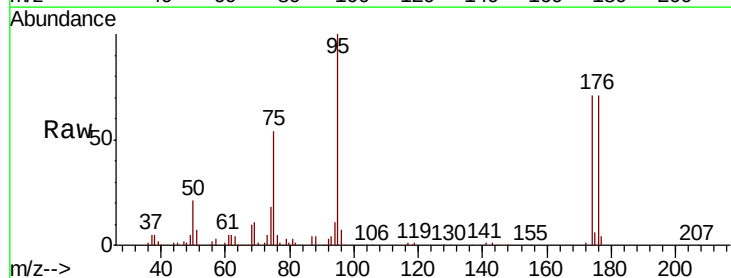
Acq: 8 Jul 2020 22:22

Tgt Ion: 75 Resp: 76522

Ion Ratio Lower Upper

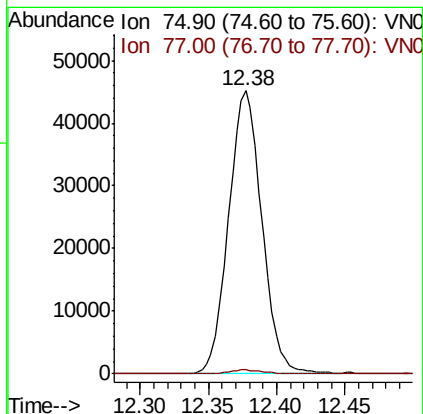
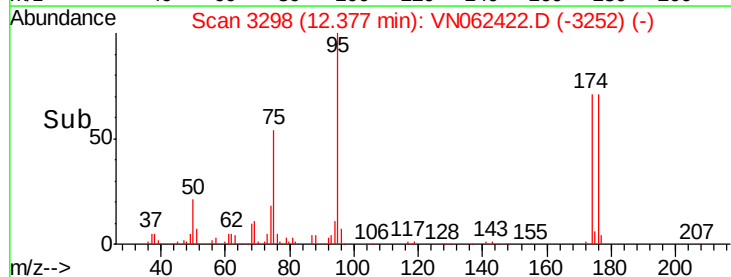
75 100

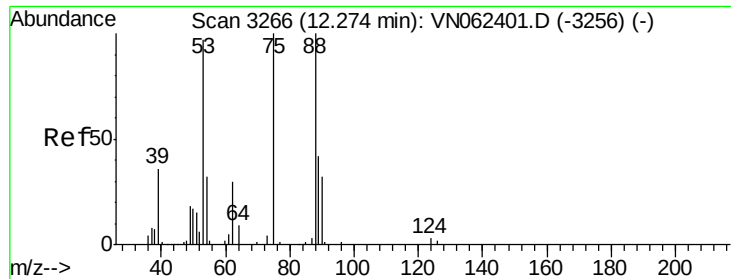
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

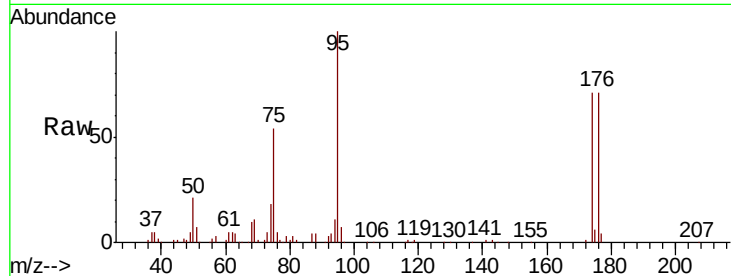




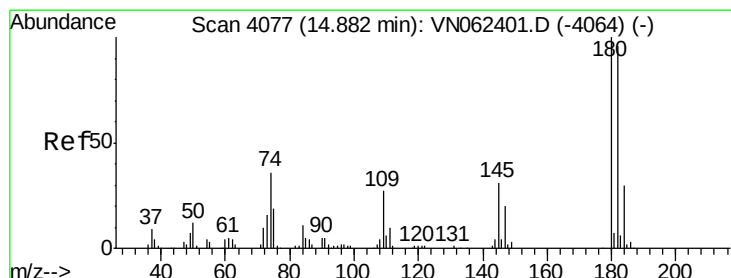
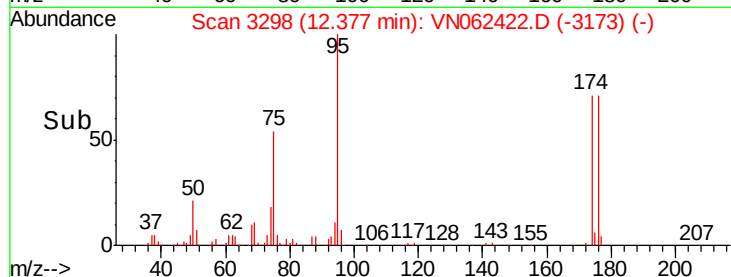
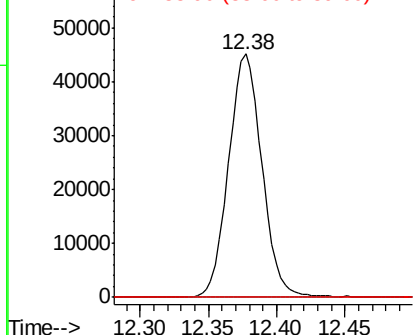
#81
trans-1,4-Dichloro-2-butene
Concen: 79.087 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062422.D
Acq: 8 Jul 2020 22:22

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBL02

Tot Ion: 75 Resp: 76522
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 34.6 52.0#

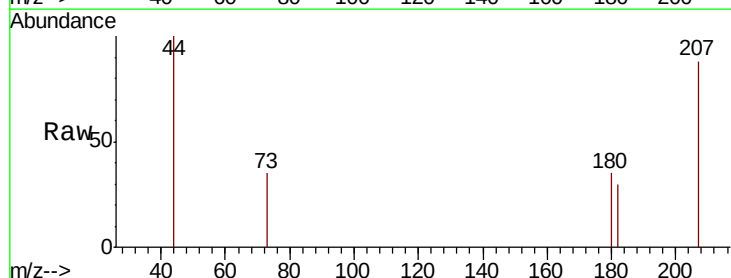


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

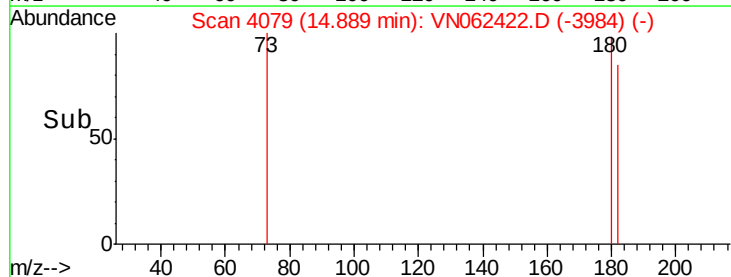
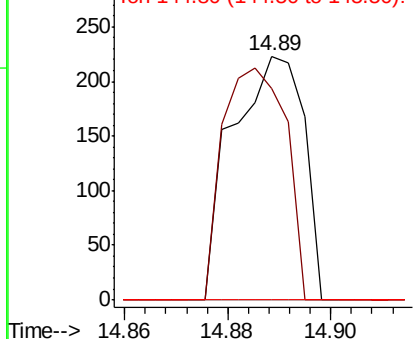


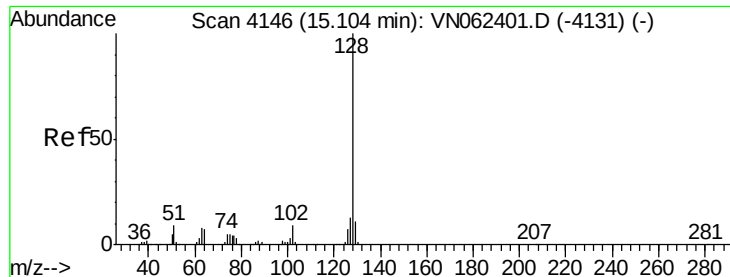
#93
1,2,4-Trichlorobenzene
Concen: Below Cal
RT: 14.89 min Scan# 4079
Delta R.T. 0.01 min
Lab File: VN062422.D
Acq: 8 Jul 2020 22:22

Tgt Ion:180 Resp: 214
Ion Ratio Lower Upper
180 100
182 84.1 48.4 145.2
145 0.0 15.5 46.5#



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: Below Cal

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062422.D

Acq: 8 Jul 2020 22:22

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBL02

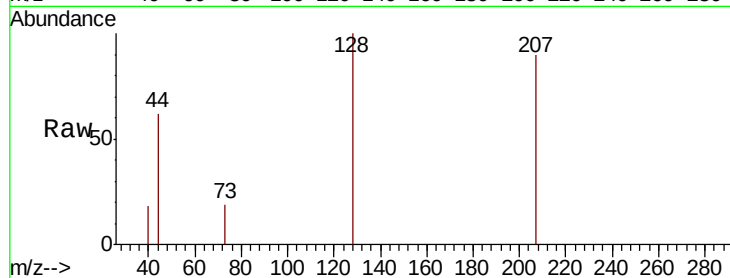
Tot Ion:128 Resp: 1492

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

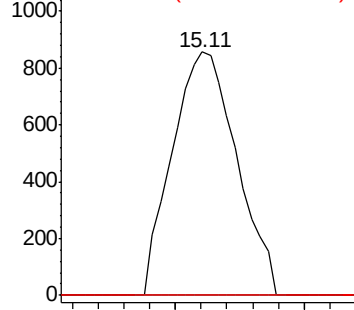
129 0.0 8.6 12.8#



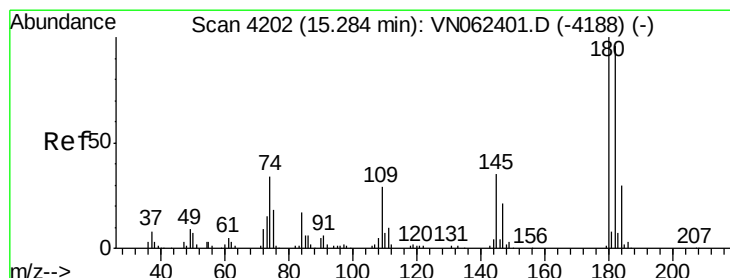
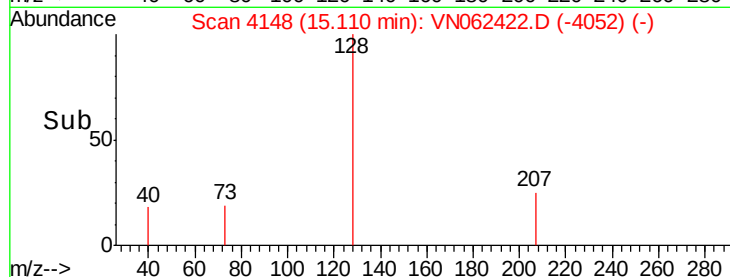
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 3.433 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. 0.01 min

Lab File: VN062422.D

Acq: 8 Jul 2020 22:22

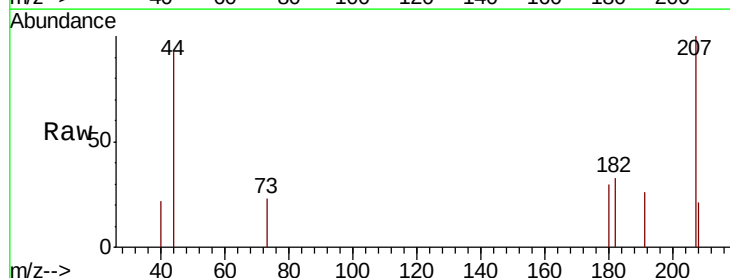
Tgt Ion:180 Resp: 379

Ion Ratio Lower Upper

180 100

182 77.3 47.8 143.4

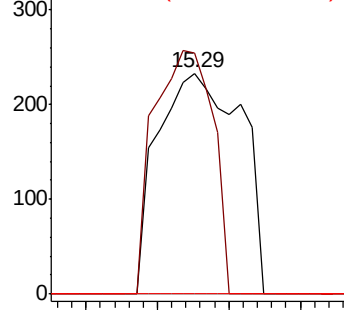
145 0.0 17.0 50.9#



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



Time-->

