

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062429.D
 Acq On : 9 Jul 2020 1:11
 Operator : JC/MD
 Sample : L3215-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Jul 09 02:27:23 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	177745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	318482	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	305196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	111786	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	143130	52.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.70%	
35) Dibromofluoromethane	7.55	113	103393	52.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.04%	
50) Toluene-d8	10.06	98	411687	52.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.38	95	145324	51.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.34%	

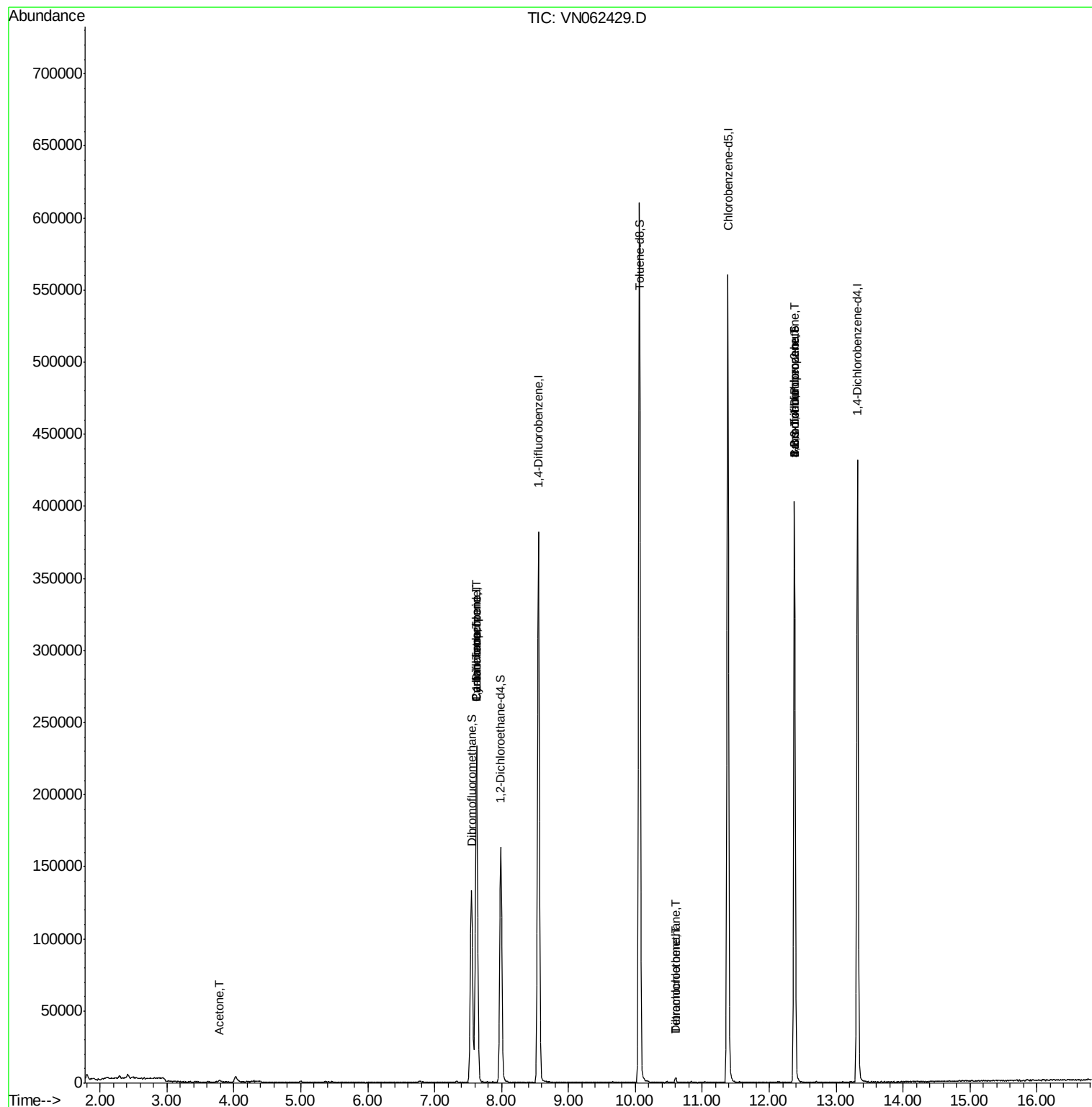
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	2389	2.058	ug/l	91
31) Cyclohexane	7.63	56	4362	1.050	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	16087	5.014	ug/l #	51
38) Carbon Tetrachloride	7.63	117	18127	6.284	ug/l #	15
60) Dibromochloromethane	10.60	129	831	0.357	ug/l #	11
64) Tetrachloroethene	10.60	164	703	0.388	ug/l #	74
71) Bromoform	12.38	173	1002	0.625	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	76921	28.044	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	76921	75.063	ug/l #	10

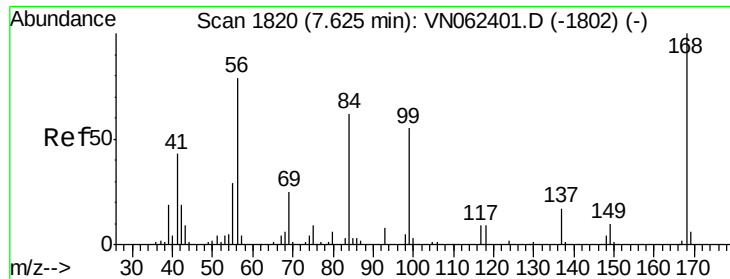
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1820

Delta R.T. 0.00 min

Lab File: VN062429.D

Acq: 9 Jul 2020 1:11

Instrument :

MSVOA_N

ClientSampled :

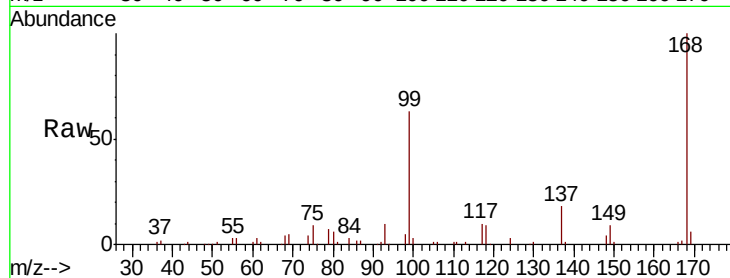
MW-4

Tot Ion:168 Resp: 177745

Ion Ratio Lower Upper

168 100

99 62.8 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

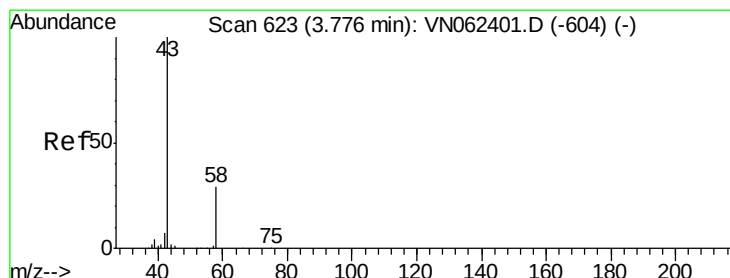
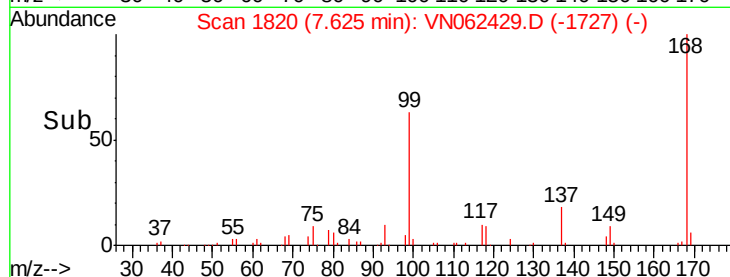
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 2.058 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062429.D

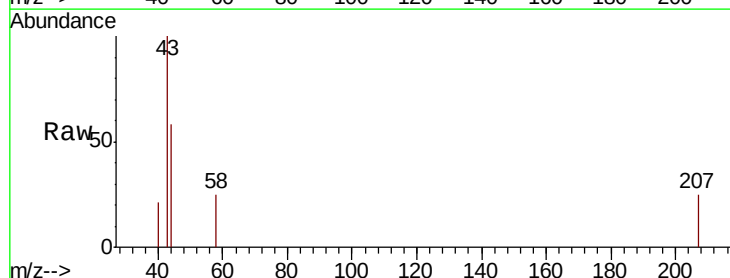
Acq: 9 Jul 2020 1:11

Tgt Ion: 43 Resp: 2389

Ion Ratio Lower Upper

43 100

58 24.8 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

1000

800

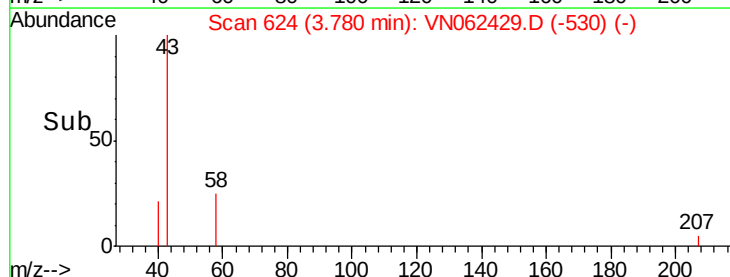
600

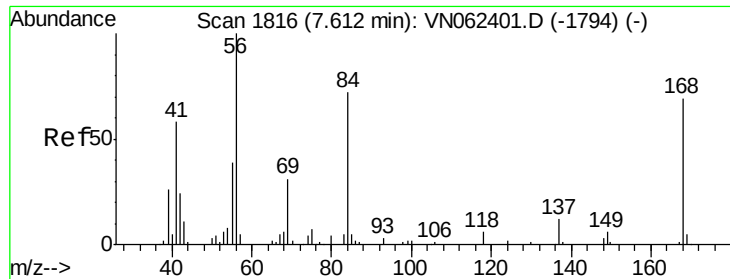
400

200

0

Time--> 3.70 3.75 3.80 3.85

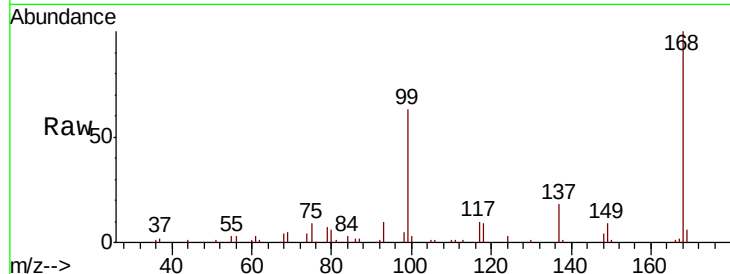




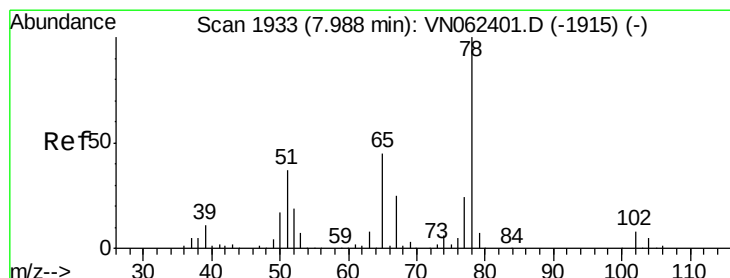
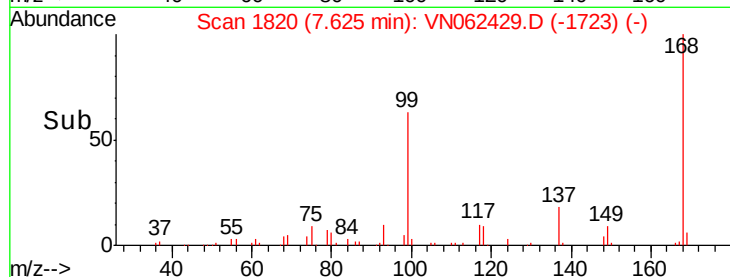
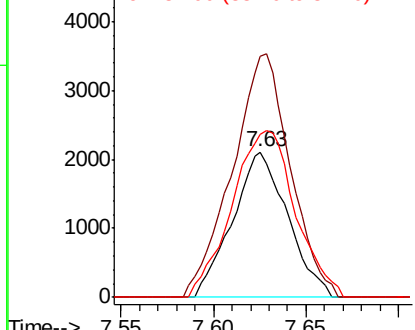
#31
Cyclohexane
Concen: 1.050 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062429.D
Acq: 9 Jul 2020 1:11

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tot Ion: 56 Resp: 4362
Ion Ratio Lower Upper
56 100
69 165.9 24.5 36.7#
84 111.7 57.4 86.2#

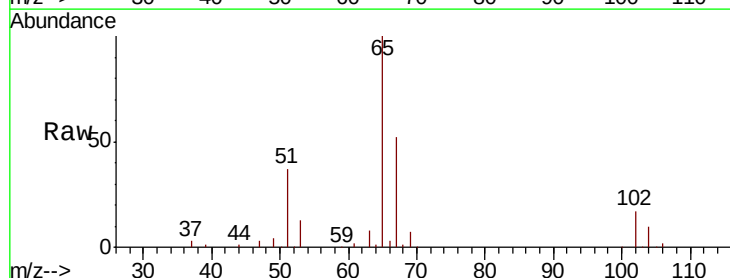


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

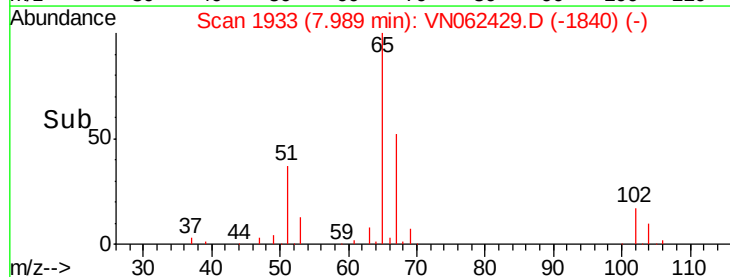
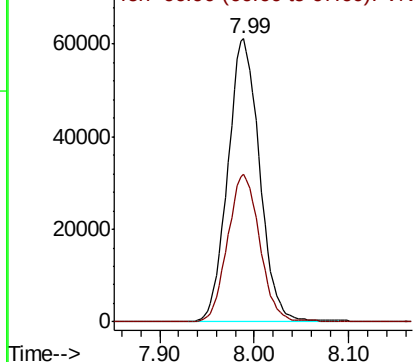


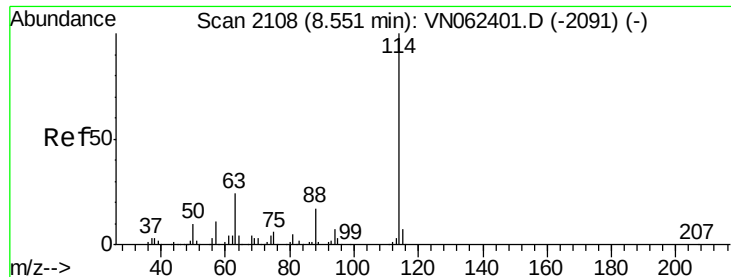
#33
1,2-Dichloroethane-d4
Concen: 52.353 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062429.D
Acq: 9 Jul 2020 1:11

Tgt Ion: 65 Resp: 143130
Ion Ratio Lower Upper
65 100
67 52.7 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: VN062429.D

Acq: 9 Jul 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

MW-4

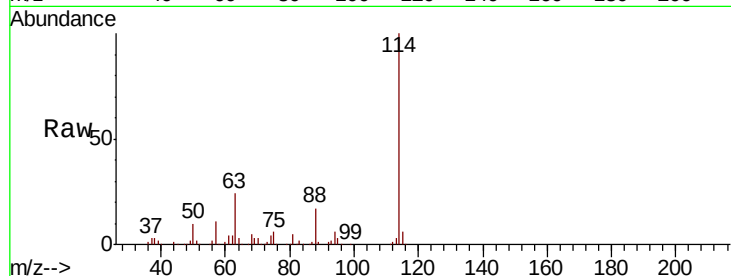
Tot Ion:114 Resp: 318482

Ion Ratio Lower Upper

114 100

63 24.2 0.0 48.4

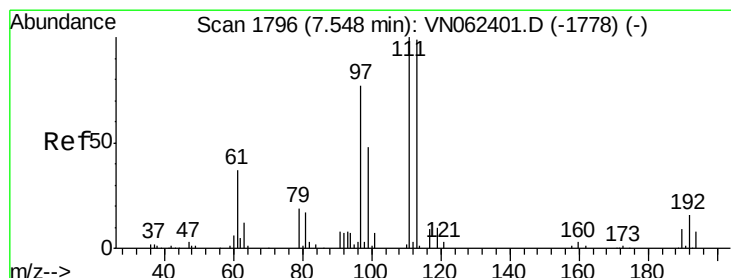
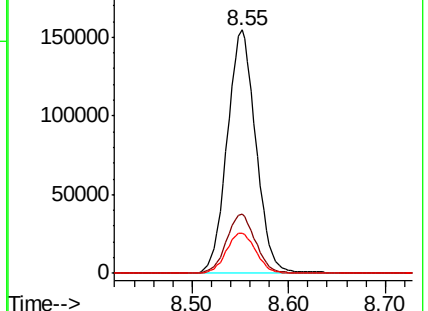
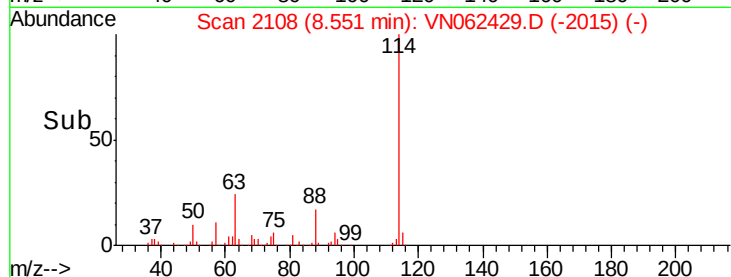
88 16.7 0.0 33.8



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: 52.520 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062429.D

Acq: 9 Jul 2020 1:11

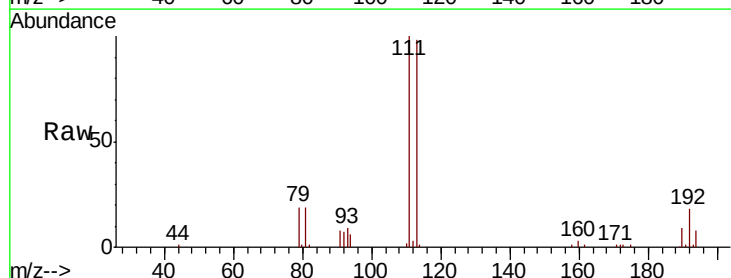
Tgt Ion:113 Resp: 103393

Ion Ratio Lower Upper

113 100

111 102.5 83.1 124.7

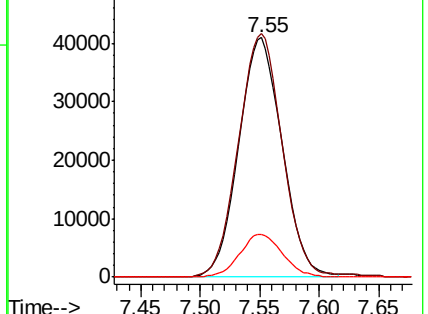
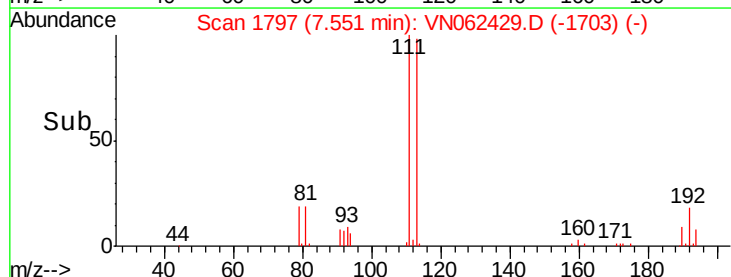
192 17.6 14.1 21.1

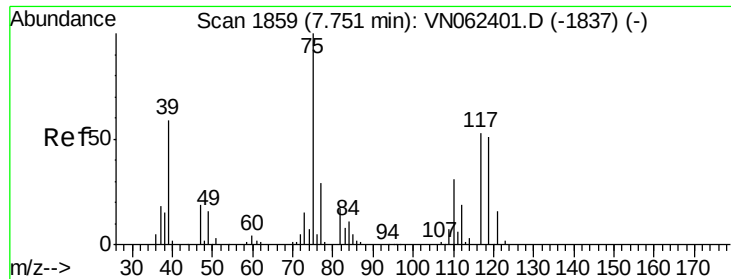


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

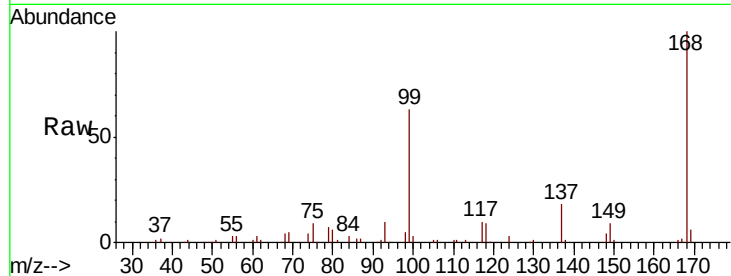




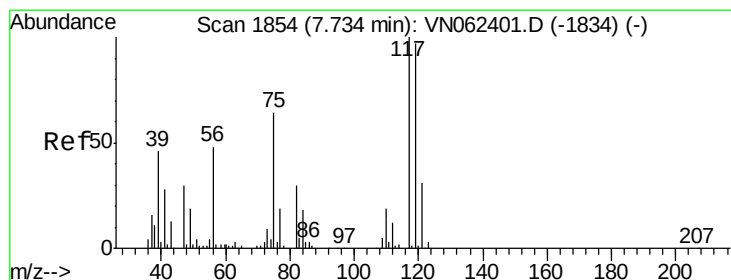
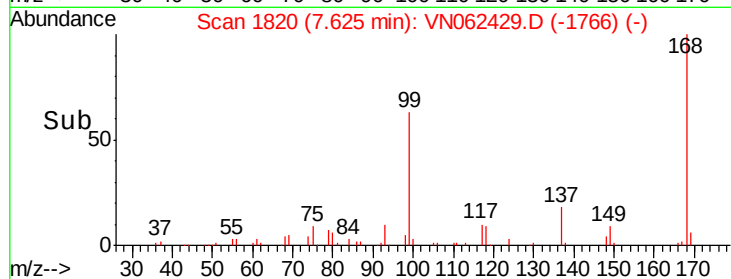
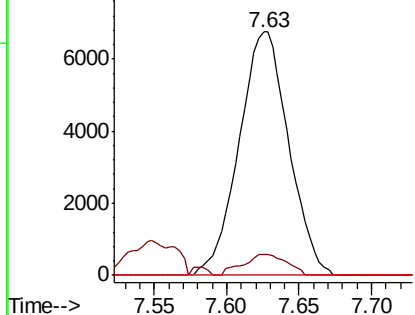
#36
 1,1-Dichloropropene
 Concen: 5.014 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062429.D
 Acq: 9 Jul 2020 1:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	15.4	46.2#
77	0.0	24.1	36.1#

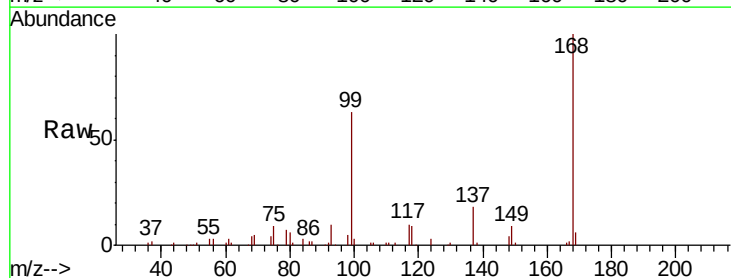


Abundance Ion 74.90 (74.60 to 75.60): VN062401.D (-1837) (-)
 Ion 109.90 (109.60 to 110.60): VN062401.D (-1837) (-)
 Ion 76.90 (76.60 to 77.60): VN062401.D (-1837) (-)

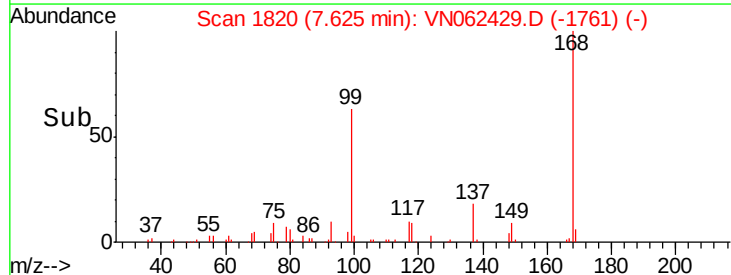
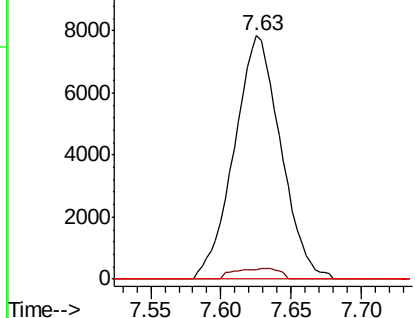


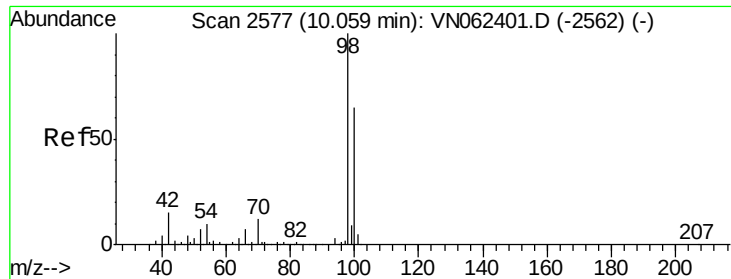
#38
 Carbon Tetrachloride
 Concen: 6.284 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062429.D
 Acq: 9 Jul 2020 1:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	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) (-)





#50

Toluene-d8

Concen: 52.973 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062429.D

Acq: 9 Jul 2020 1:11

Instrument :

MSVOA_N

ClientSampled :

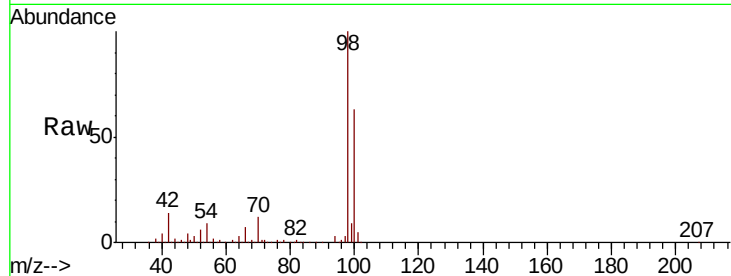
MW-4

Tot Ion: 98 Resp: 411687

Ion Ratio Lower Upper

98 100

100 63.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN062401.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062401.D (-2562) (-)

10.06

250000

200000

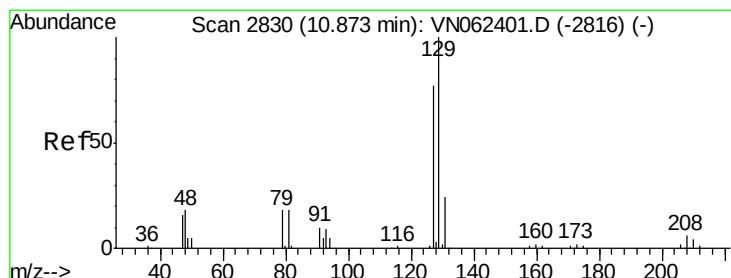
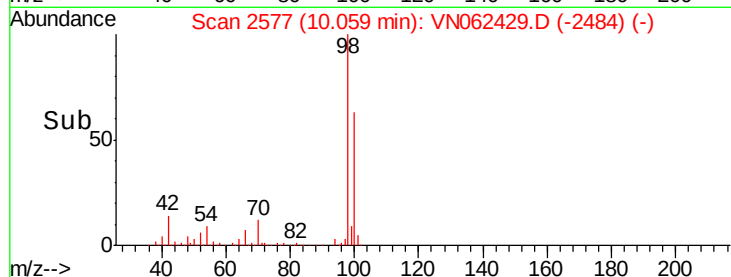
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 0.357 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.27 min

Lab File: VN062429.D

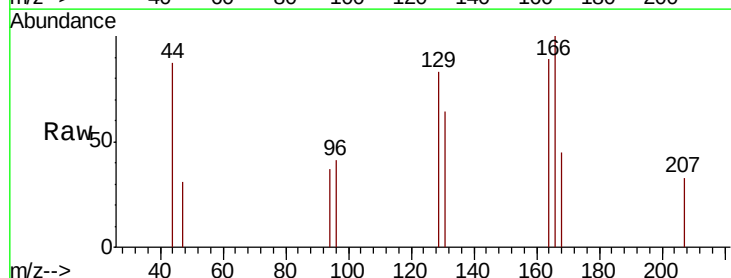
Acq: 9 Jul 2020 1:11

Tgt Ion: 129 Resp: 831

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): VN062401.D (-2816) (-)

Ion 126.80 (126.50 to 127.50): VN062401.D (-2816) (-)

10.60

600

500

400

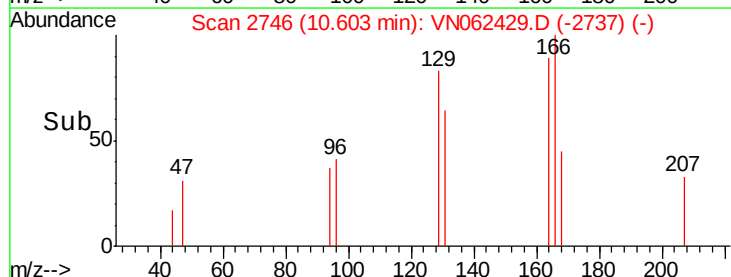
300

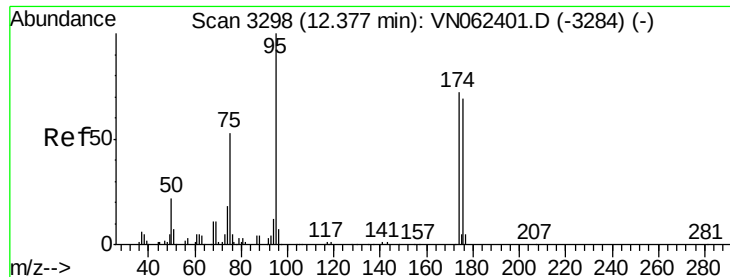
200

100

0

Time-->

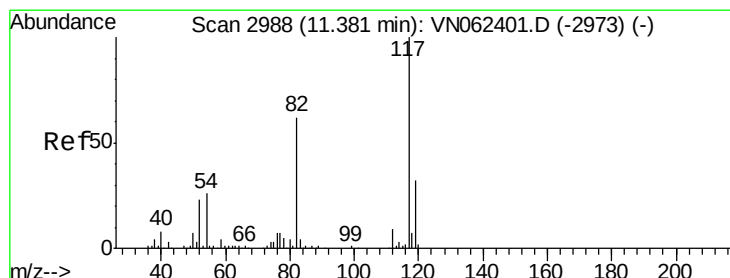
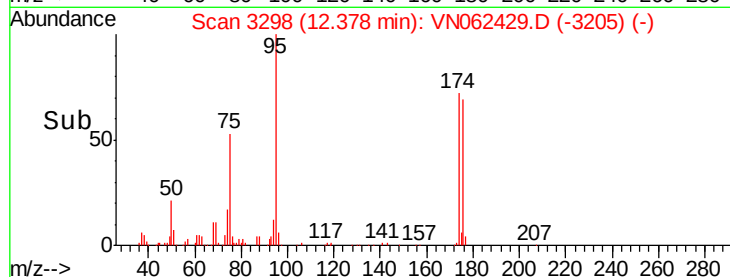
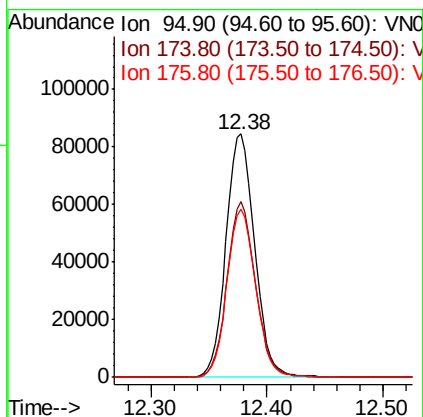
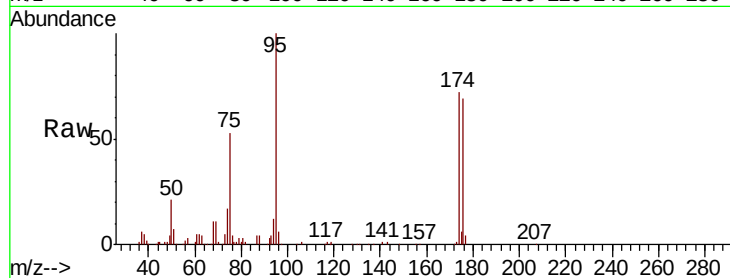




#62
4-Bromofluorobenzene
Concen: 51.170 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062429.D
Acq: 9 Jul 2020 1:11

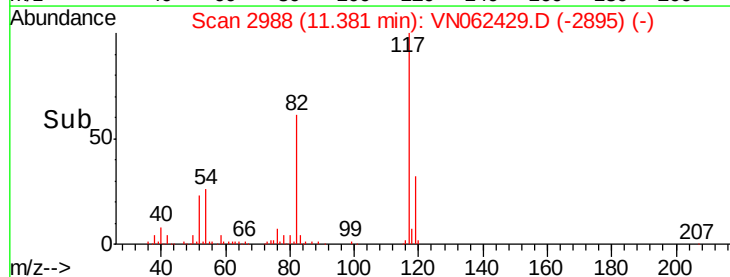
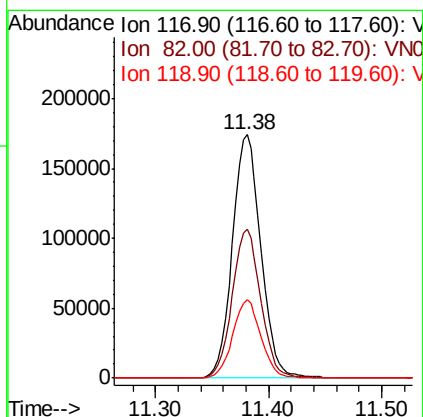
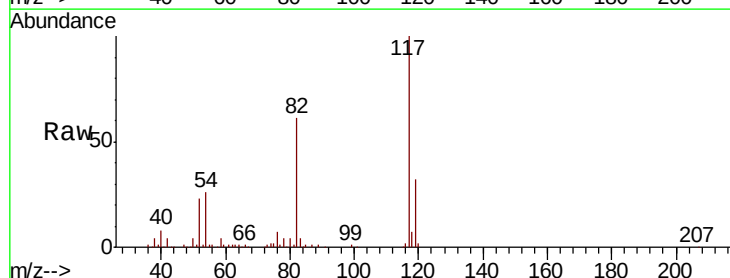
Instrument :
MSVOA_N
ClientSampled :
MW-4

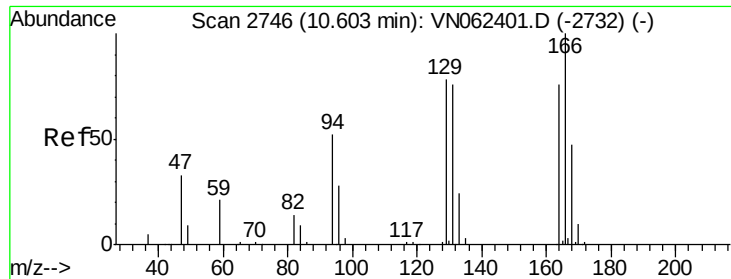
Tot Ion: 95 Resp: 145324
Ion Ratio Lower Upper
95 100
174 71.3 0.0 141.6
176 68.9 0.0 137.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062429.D
Acq: 9 Jul 2020 1:11

Tgt Ion: 117 Resp: 305196
Ion Ratio Lower Upper
117 100
82 61.0 49.6 74.4
119 32.0 25.4 38.0





#64

Tetrachloroethene

Concen: 0.388 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN062429.D

Acq: 9 Jul 2020 1:11

Instrument :

MSVOA_N

ClientSampled :

MW-4

Tot Ion:164 Resp: 703

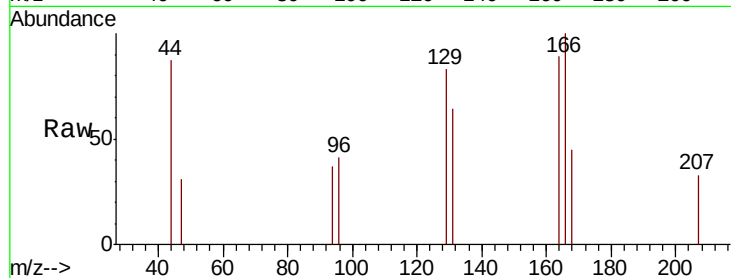
Ion Ratio Lower Upper

164 100

166 84.6 104.9 157.3#

129 93.3 81.8 122.6

131 72.5 79.3 118.9#



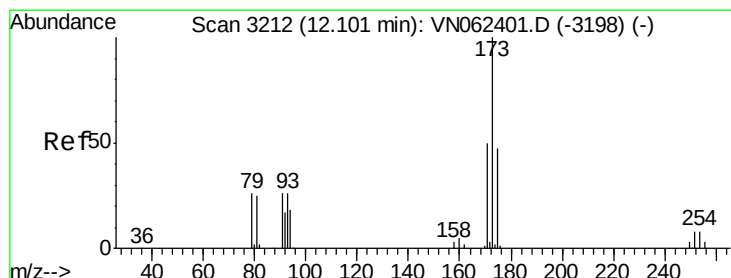
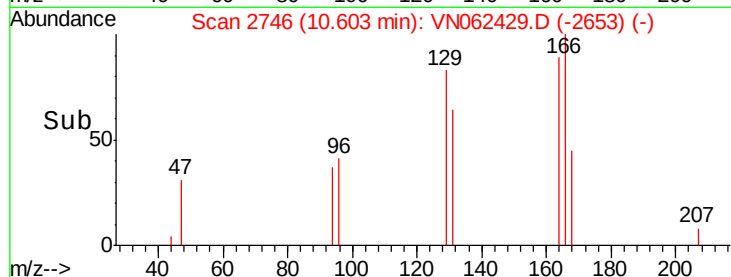
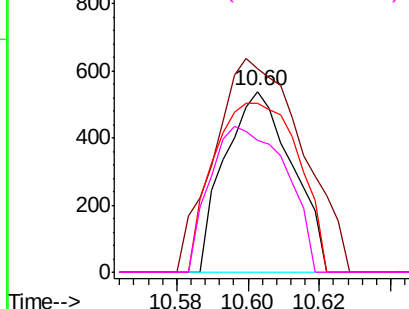
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 0.625 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062429.D

Acq: 9 Jul 2020 1:11

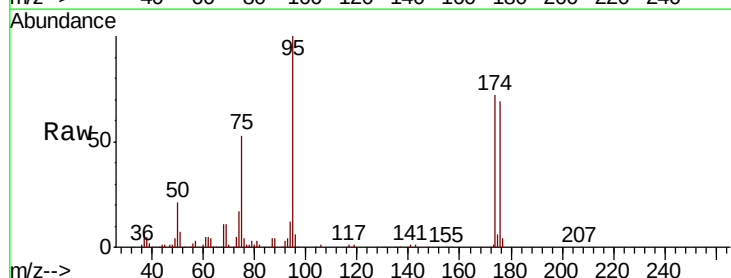
Tgt Ion:173 Resp: 1002

Ion Ratio Lower Upper

173 100

175 661.4 23.7 71.1#

254 0.0 0.0 0.0

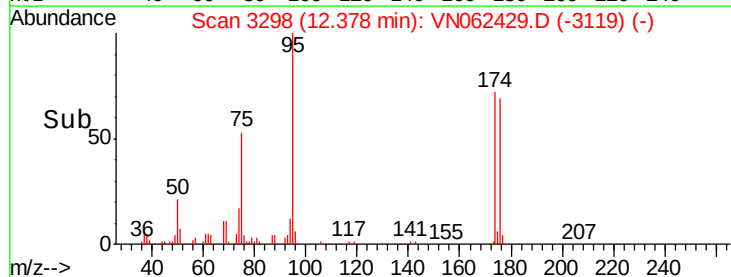
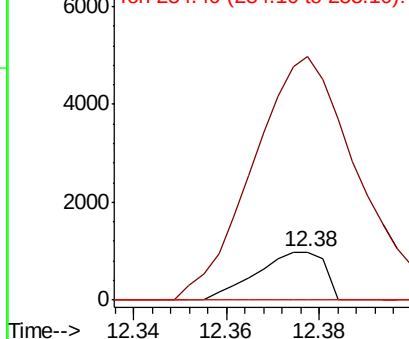


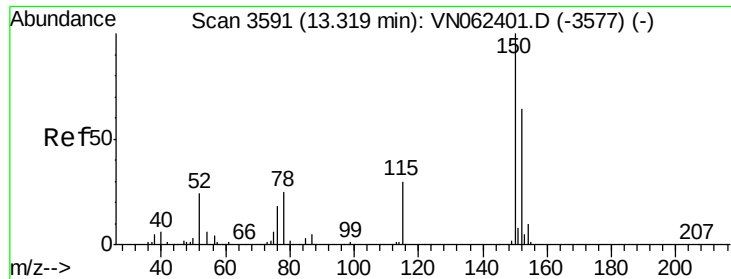
Abundance

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

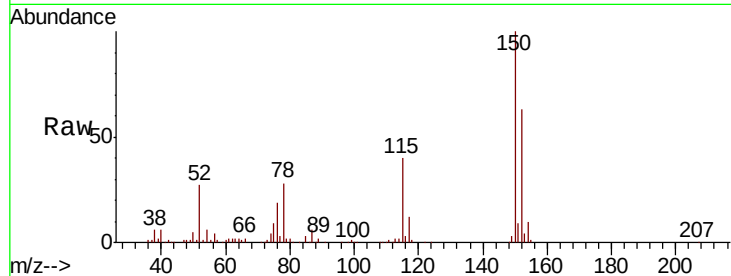




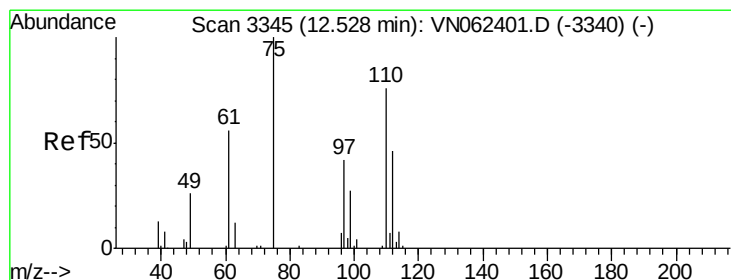
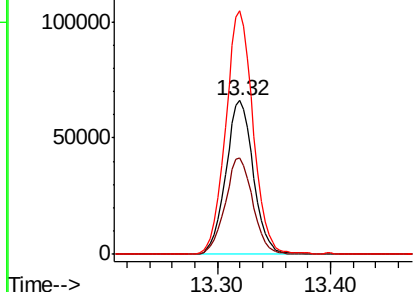
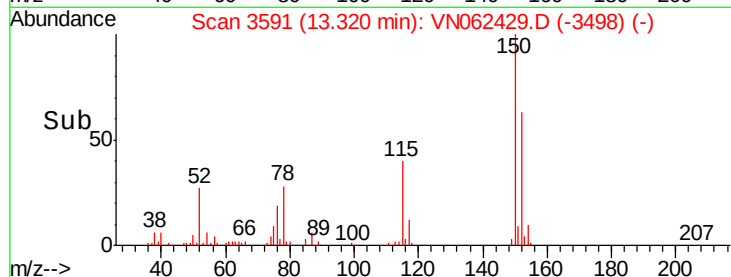
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VN062429.D
 Acq: 9 Jul 2020 1:11

Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

Tot Ion:152 Resp: 111786
 Ion Ratio Lower Upper
 152 100
 115 62.7 31.4 94.2
 150 157.4 0.0 347.4

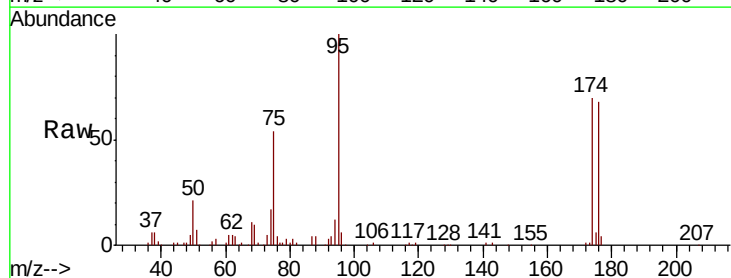


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

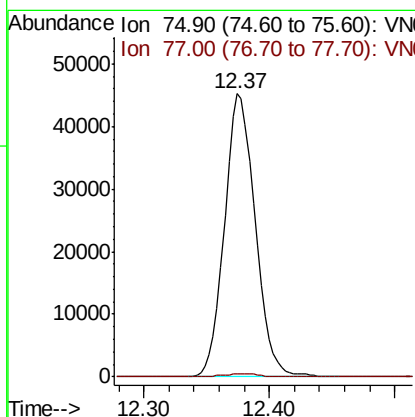
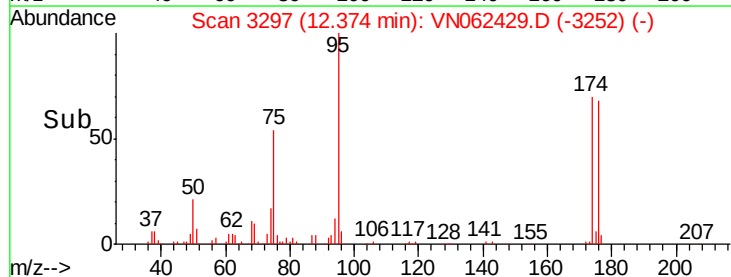


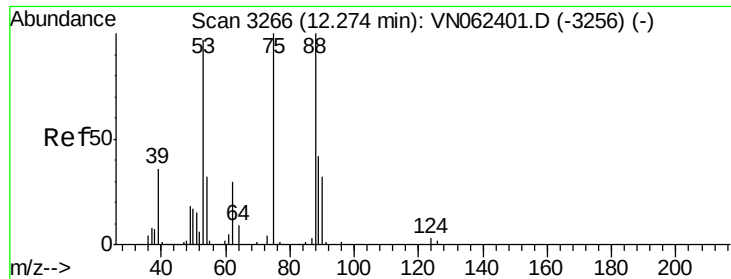
#76
 1,2,3-Trichloropropane
 Concen: 28.044 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.15 min
 Lab File: VN062429.D
 Acq: 9 Jul 2020 1:11

Tgt Ion: 75 Resp: 76921
 Ion Ratio Lower Upper
 75 100
 77 1.2 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: 75.063 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN062429.D

Acq: 9 Jul 2020 1:11

Instrument :

MSVOA_N

ClientSampleId :

MW-4

Tot Ion: 75 Resp: 76921

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

89 0.0 34.6 52.0#

