

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN063997.D
 Acq On : 8 Oct 2020 17:42
 Operator : JC/MD
 Sample : L4255-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FC-MW02SR1-20200930

Quant Time: Oct 09 04:05:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	249954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	451422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	462062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	180290	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	208123	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
35) Dibromofluoromethane	7.55	113	151736	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	10.06	98	572389	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
62) 4-Bromofluorobenzene	12.38	95	217875	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	

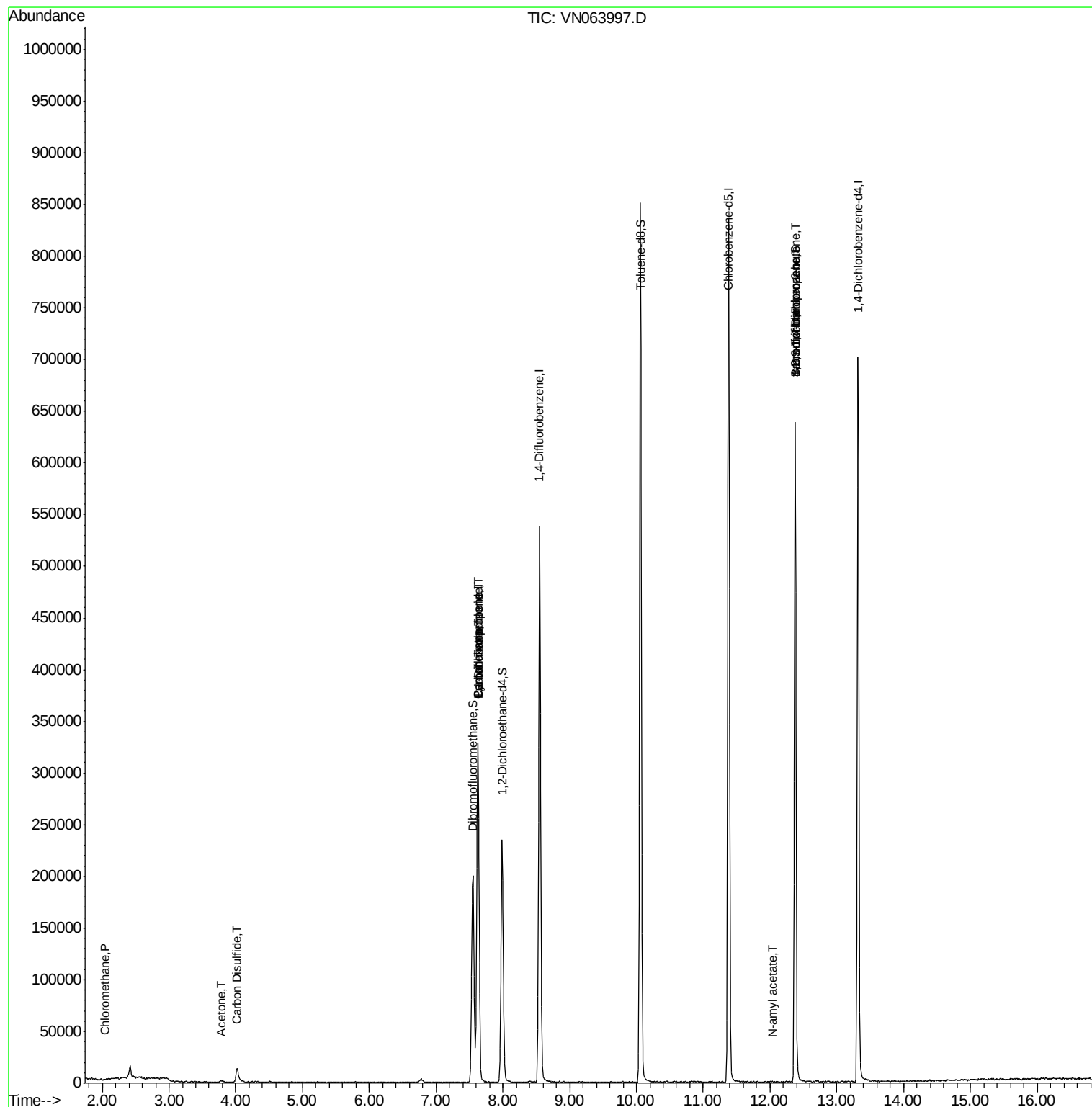
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	625	0.202	ug/l #	77
16) Acetone	3.78	43	2736	2.152	ug/l #	80
17) Carbon Disulfide	4.02	76	167	0.725	ug/l #	76
31) Cyclohexane	7.63	56	6398	1.335	ug/l #	24
36) 1,1-Dichloropropene	7.62	75	20943	4.579	ug/l #	51
38) Carbon Tetrachloride	7.63	117	26763	5.219	ug/l #	14
71) Bromoform	12.38	173	1258	0.453	ug/l #	1
74) N-amyl acetate	12.04	43	256	2.256	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	116829	29.396	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	116829	84.665	ug/l #	6

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

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063997.D

Acq: 8 Oct 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

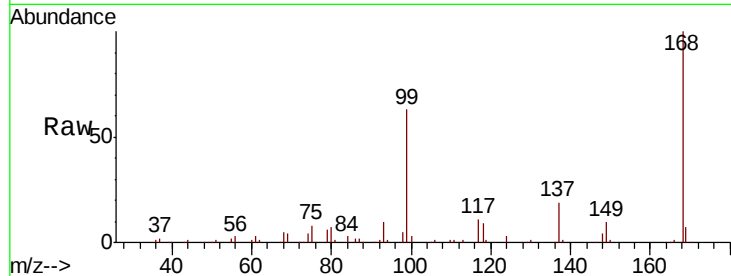
FC-MW02SR1-20200930

Tot Ion:168 Resp: 249954

Ion Ratio Lower Upper

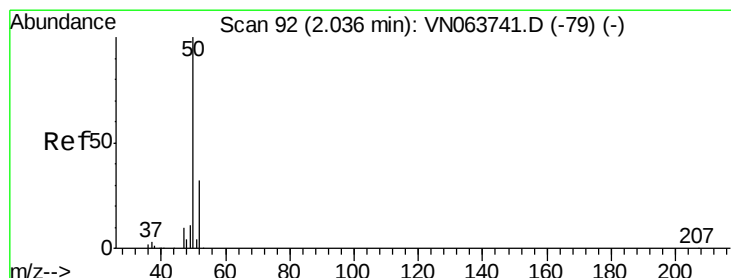
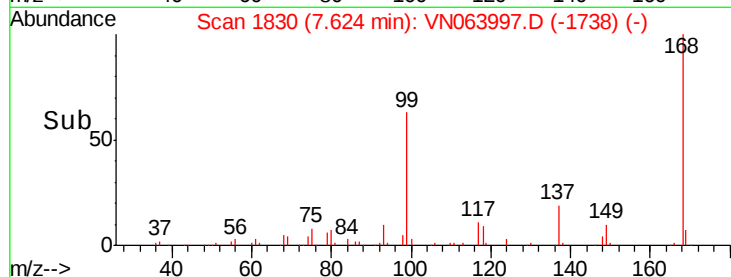
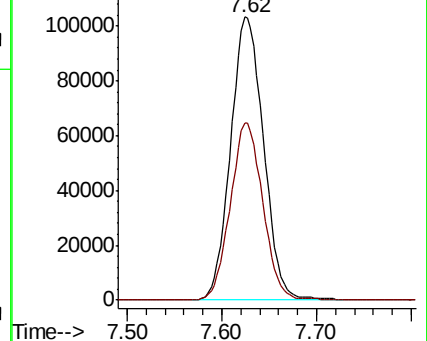
168 100

99 62.8 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.202 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN063997.D

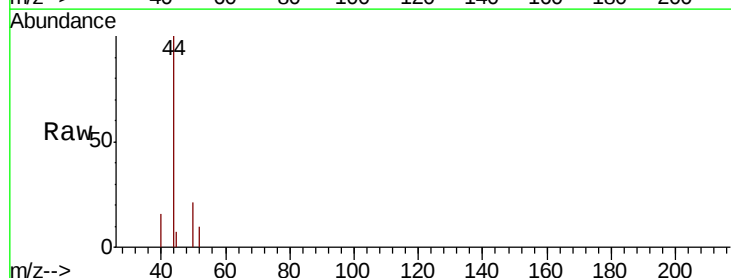
Acq: 8 Oct 2020 17:42

Tgt Ion: 50 Resp: 625

Ion Ratio Lower Upper

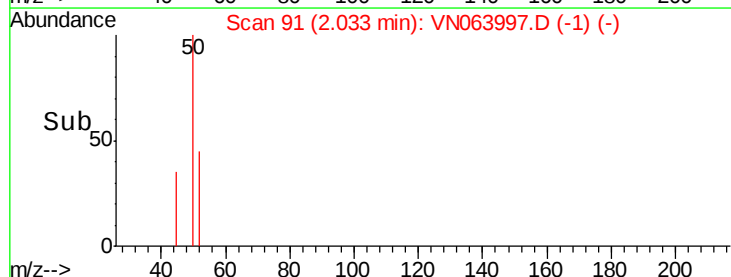
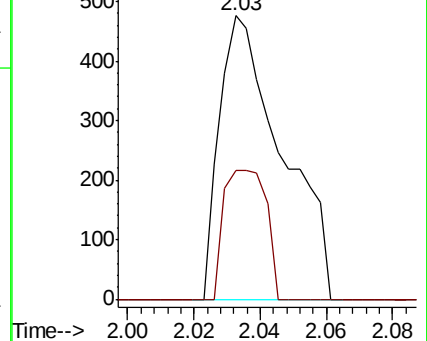
50 100

52 45.4 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#16

Acetone

Concen: 2.152 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063997.D

Acq: 8 Oct 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

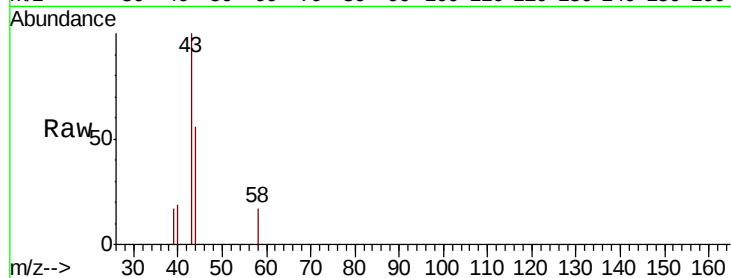
FC-MW02SR1-20200930

Tot Ion: 43 Resp: 2736

Ion Ratio Lower Upper

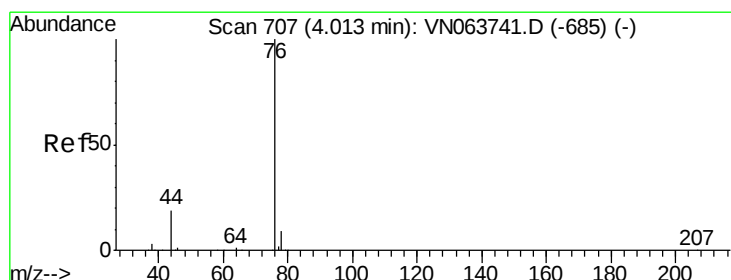
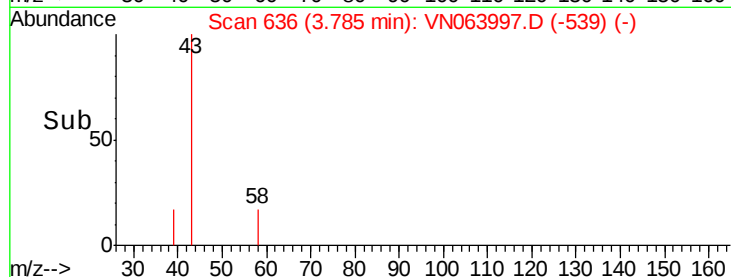
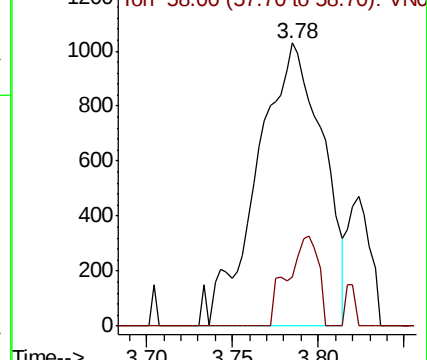
43 100

58 17.2 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN063997.D (-539) (-)

Ion 58.00 (57.70 to 58.70): VN063997.D (-539) (-)



#17

Carbon Disulfide

Concen: 0.725 ug/l

RT: 4.02 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN063997.D

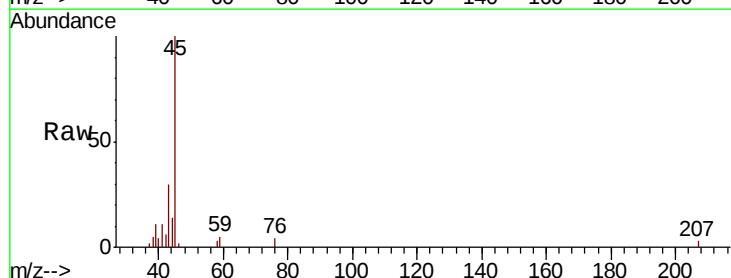
Acq: 8 Oct 2020 17:42

Tgt Ion: 76 Resp: 167

Ion Ratio Lower Upper

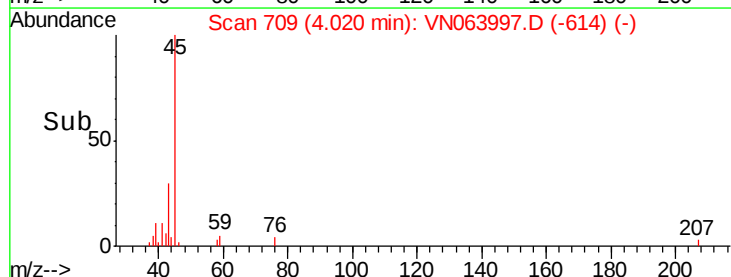
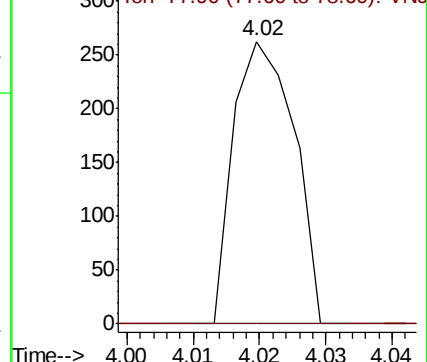
76 100

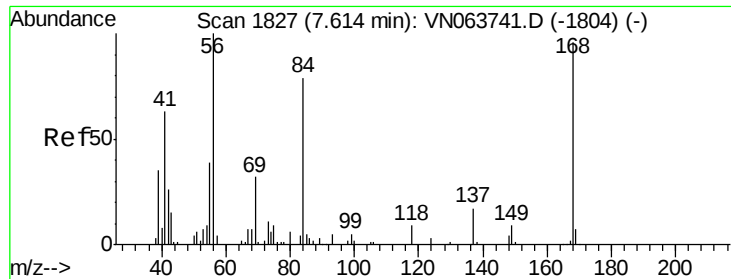
78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN063997.D (-614) (-)

Ion 77.90 (77.60 to 78.60): VN063997.D (-614) (-)

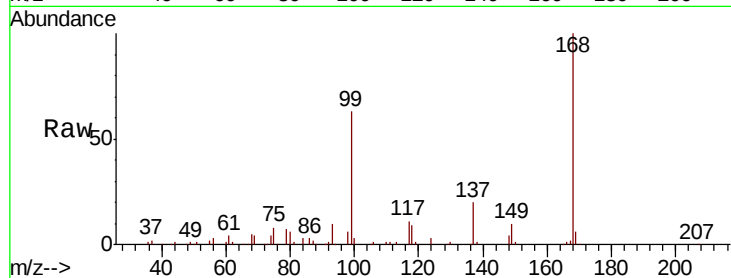




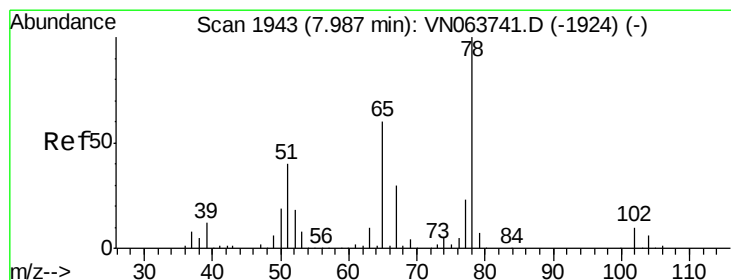
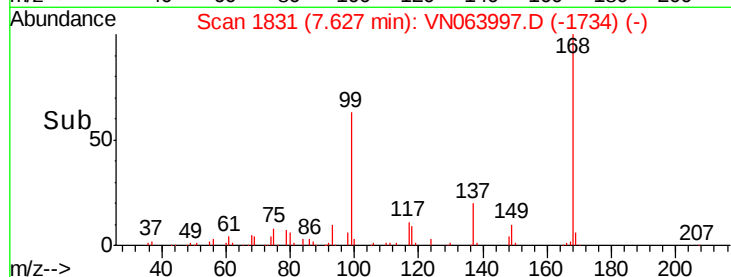
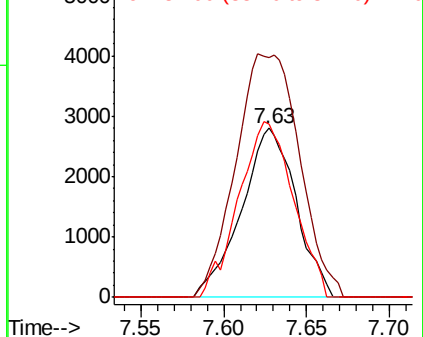
#31
Cyclohexane
Concen: 1.335 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063997.D
Acq: 8 Oct 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
FC-MW02SR1-20200930

Tot Ion: 56 Resp: 6398
Ion Ratio Lower Upper
56 100
69 142.0 25.4 38.2#
84 102.7 63.3 94.9#

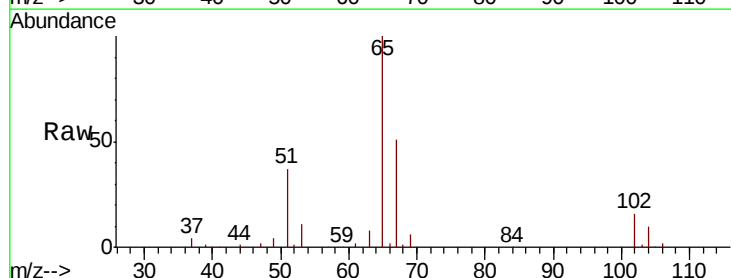


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

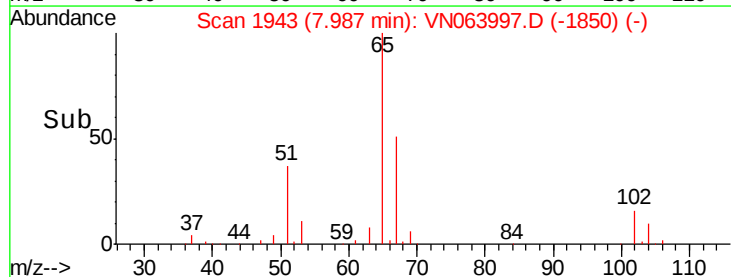
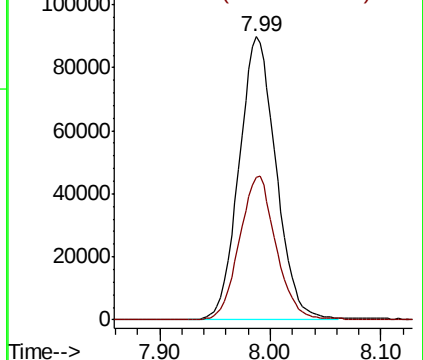


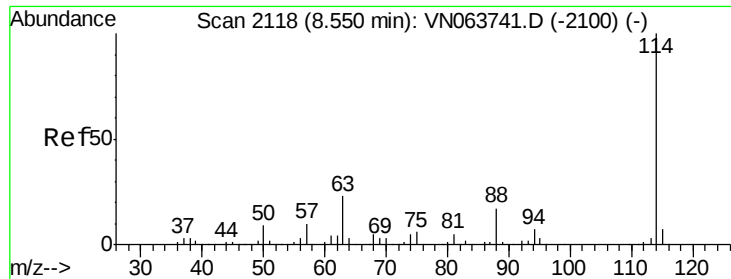
#33
1,2-Dichloroethane-d4
Concen: 50.400 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063997.D
Acq: 8 Oct 2020 17:42

Tgt Ion: 65 Resp: 208123
Ion Ratio Lower Upper
65 100
67 50.4 0.0 99.6



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

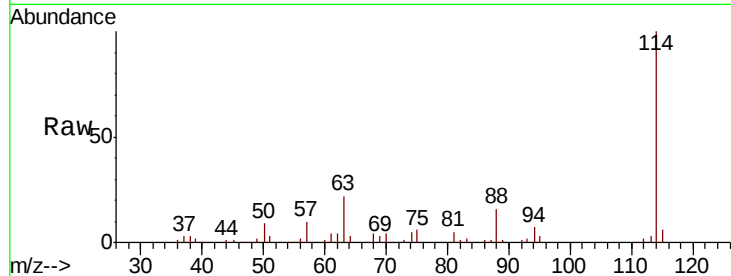




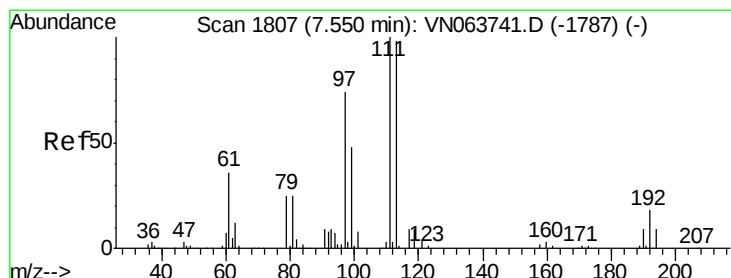
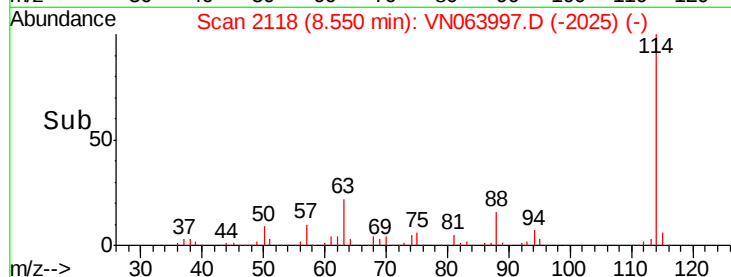
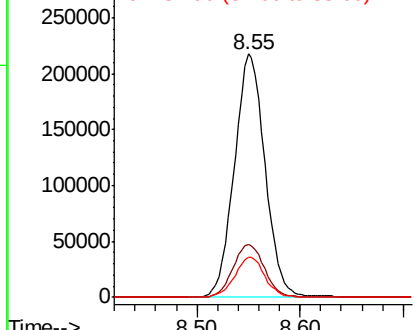
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063997.D
Acq: 8 Oct 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
FC-MW02SR1-20200930

Tot Ion:114 Resp: 451422
Ion Ratio Lower Upper
114 100
63 21.5 0.0 45.0
88 16.3 0.0 34.0

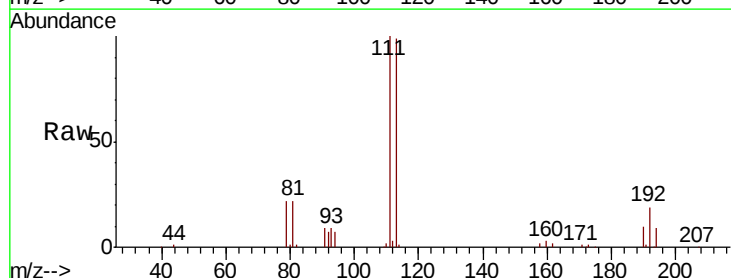


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

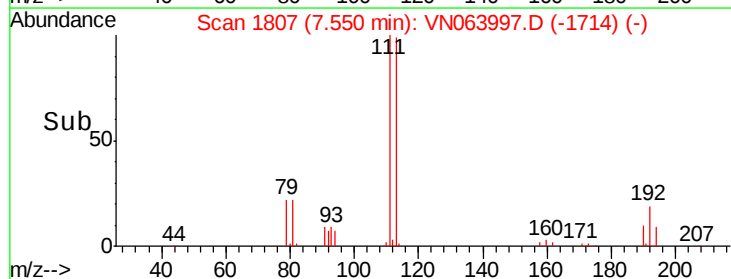
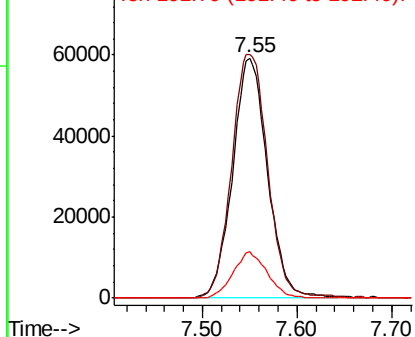


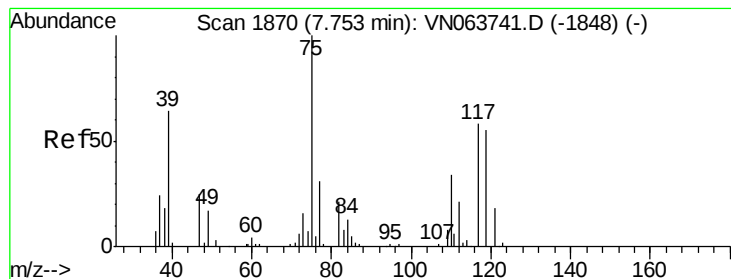
#35
Dibromofluoromethane
Concen: 48.442 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VN063997.D
Acq: 8 Oct 2020 17:42

Tgt Ion:113 Resp: 151736
Ion Ratio Lower Upper
113 100
111 105.0 81.8 122.8
192 18.8 14.2 21.2



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: 4.579 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063997.D

Acq: 8 Oct 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

FC-MW02SR1-20200930

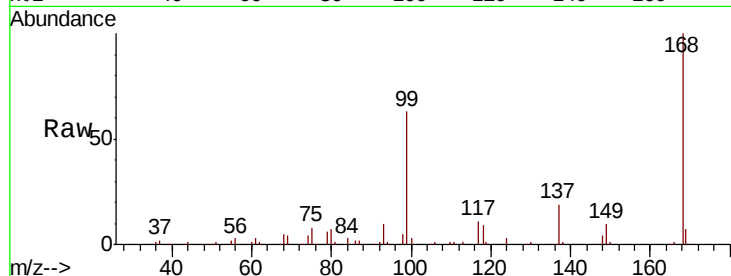
Tot Ion: 75 Resp: 20943

Ion Ratio Lower Upper

75 100

110 9.5 16.9 50.6#

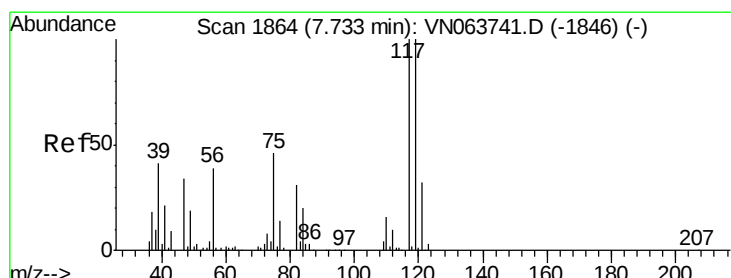
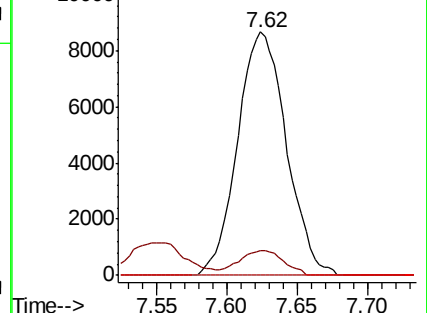
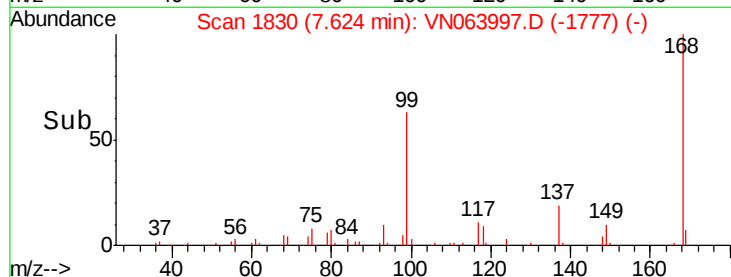
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN063997.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063997.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063997.D (-1777) (-)



#38

Carbon Tetrachloride

Concen: 5.219 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063997.D

Acq: 8 Oct 2020 17:42

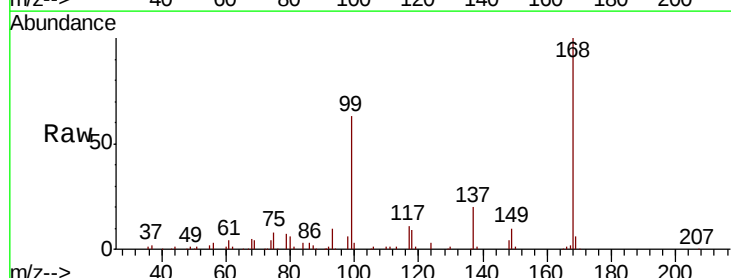
Tgt Ion: 117 Resp: 26763

Ion Ratio Lower Upper

117 100

119 5.5 80.1 120.1#

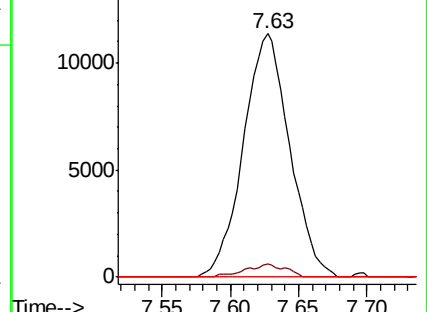
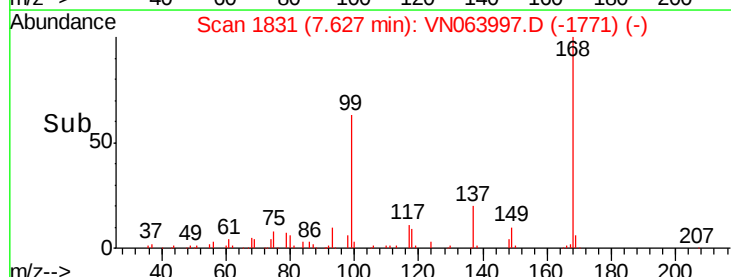
121 0.0 25.7 38.5#

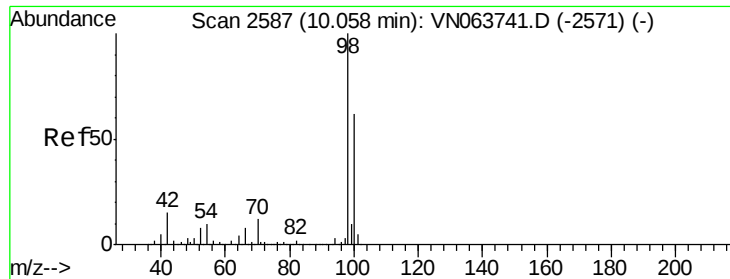


Abundance Ion 116.80 (116.50 to 117.50): VN063997.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN063997.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN063997.D (-1771) (-)





#50

Toluene-d8

Concen: 48.204 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063997.D

Acq: 8 Oct 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

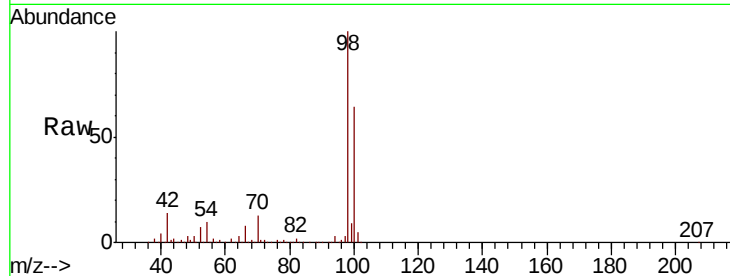
FC-MW02SR1-20200930

Tot Ion: 98 Resp: 572389

Ion Ratio Lower Upper

98 100

100 63.3 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063741.D (-2571) (-)

10.06

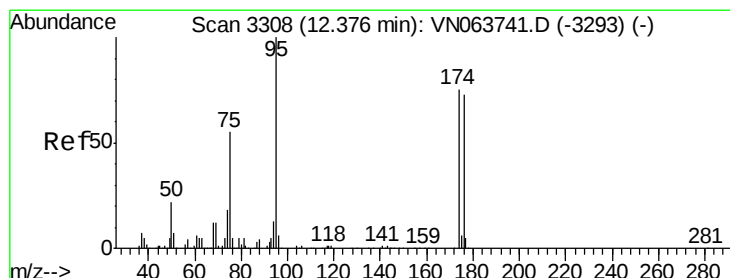
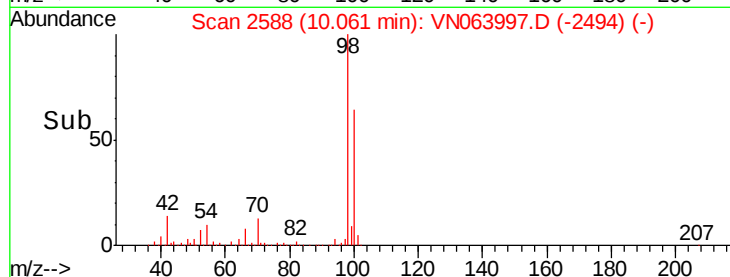
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.811 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063997.D

Acq: 8 Oct 2020 17:42

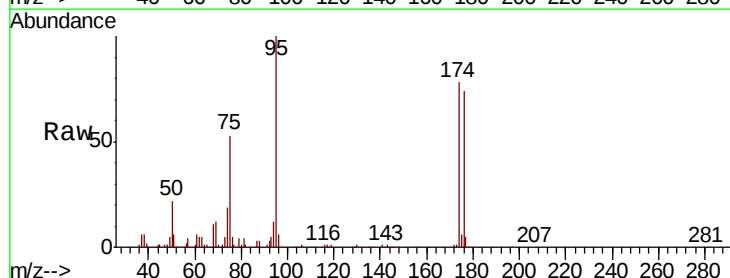
Tgt Ion: 95 Resp: 217875

Ion Ratio Lower Upper

95 100

174 77.4 0.0 150.6

176 74.9 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063741.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN063741.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN063741.D (-3293) (-)

12.38

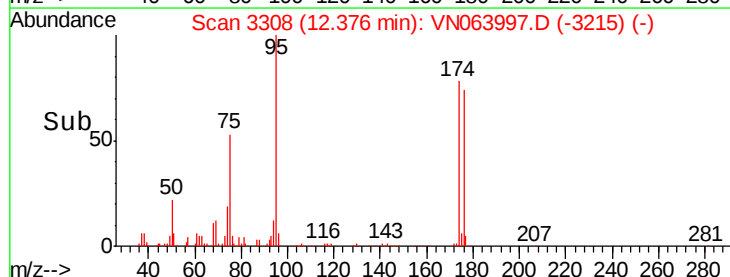
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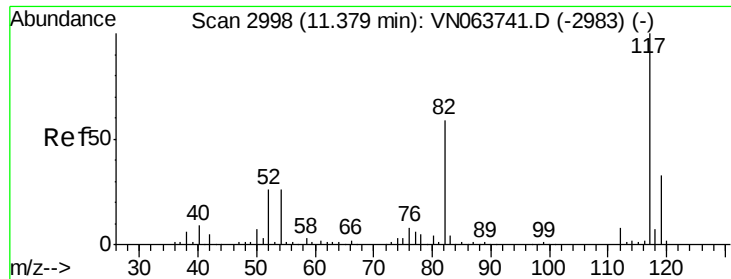
100000

50000

0

Time-->

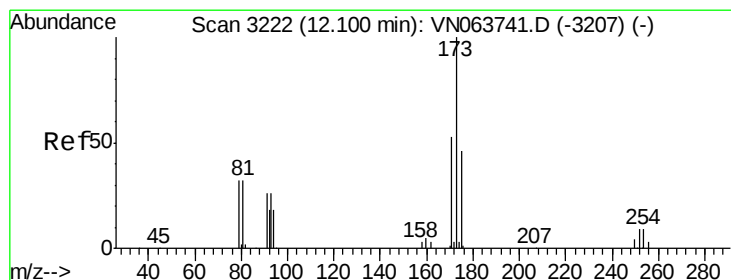
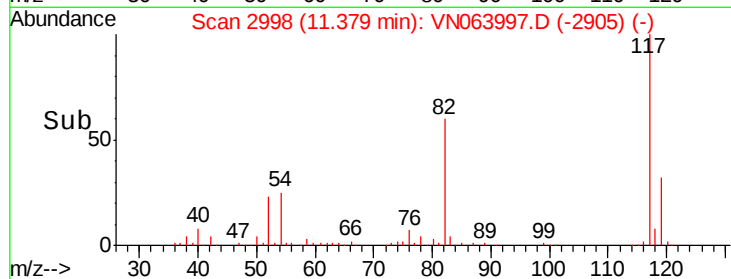
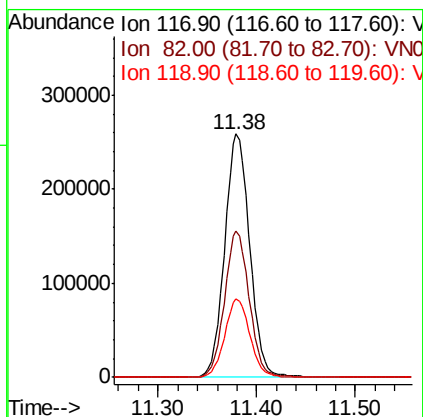
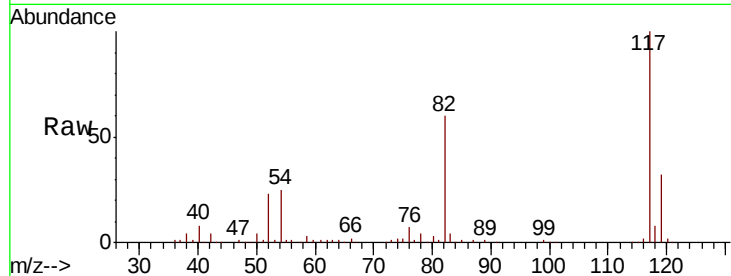




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063997.D
Acq: 8 Oct 2020 17:42

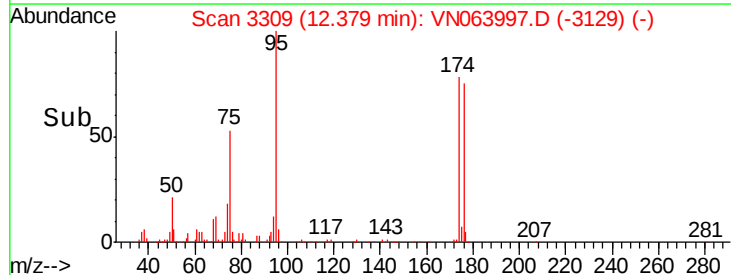
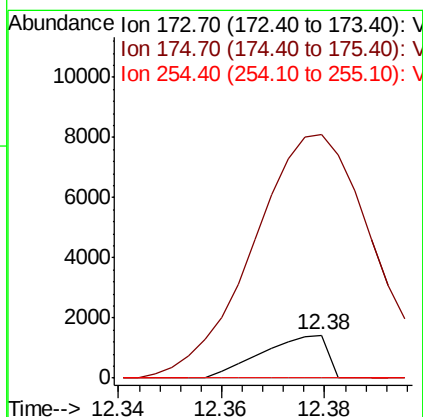
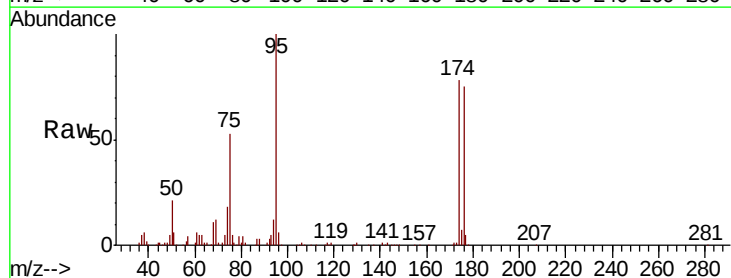
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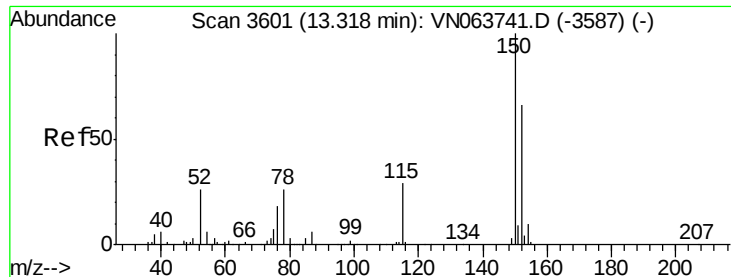
Tot Ion:117 Resp: 462062
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 32.0 26.4 39.6



#71
Bromoform
Concen: 0.453 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.28 min
Lab File: VN063997.D
Acq: 8 Oct 2020 17:42

Tgt Ion:173 Resp: 1258
Ion Ratio Lower Upper
173 100
175 850.4 23.5 70.5#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063997.D

Acq: 8 Oct 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

FC-MW02SR1-20200930

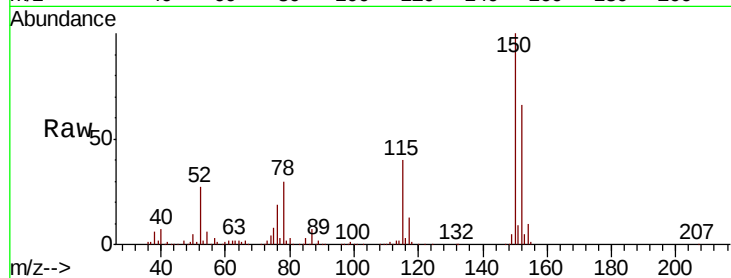
Tot Ion:152 Resp: 180290

Ion Ratio Lower Upper

152 100

115 62.5 31.3 93.8

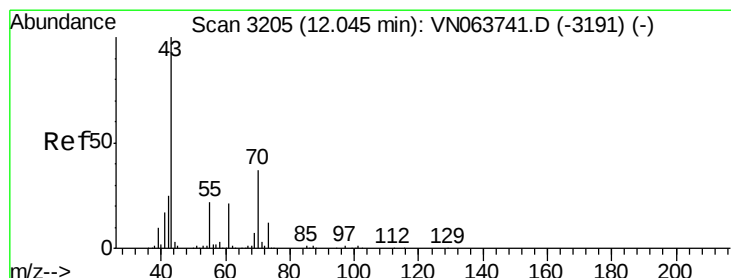
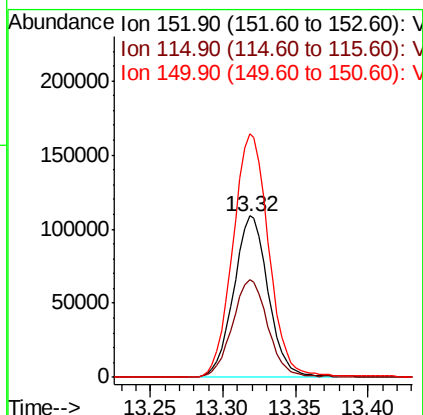
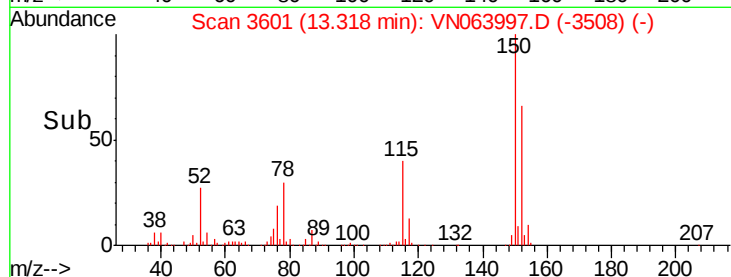
150 156.7 0.0 341.8



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



#74

N-ethyl acetate

Concen: 2.256 ug/l

RT: 12.04 min Scan# 3203

Delta R.T. -0.01 min

Lab File: VN063997.D

Acq: 8 Oct 2020 17:42

Tgt Ion: 43 Resp: 256

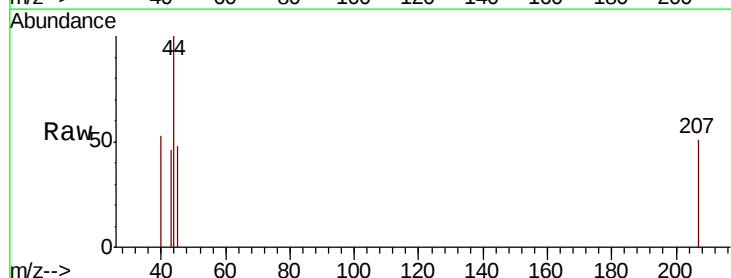
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

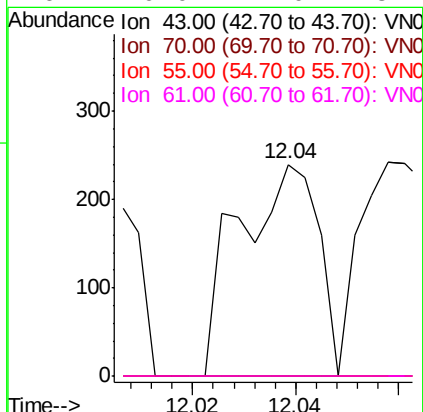
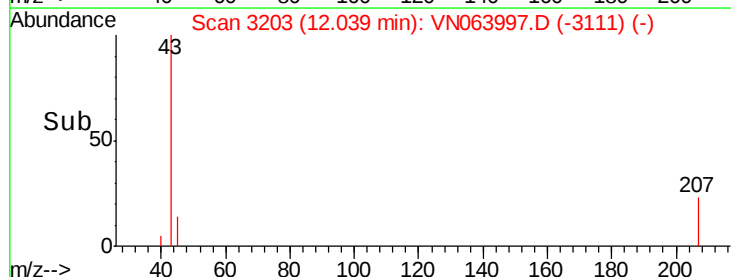


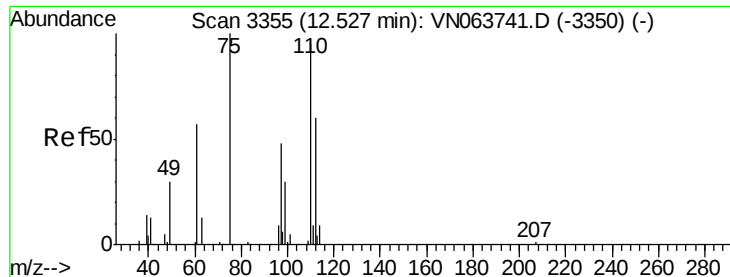
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

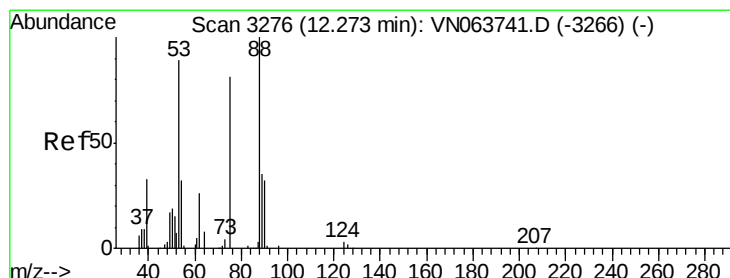
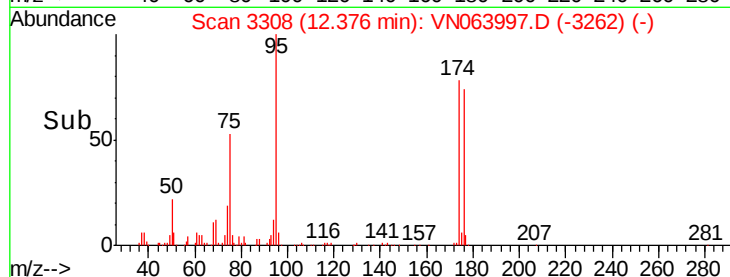
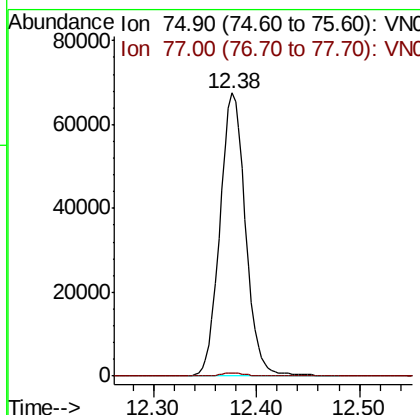
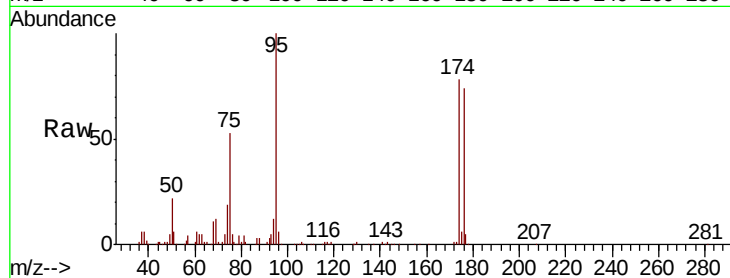




#76
 1,2,3-Trichloropropane
 Concen: 29.396 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063997.D
 Acq: 8 Oct 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 FC-MW02SR1-20200930

Tot Ion: 75 Resp: 116829
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.665 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063997.D
 Acq: 8 Oct 2020 17:42

Tgt Ion: 75 Resp: 116829
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.2 132.2#
 89 0.0 36.0 54.0#

