

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090320\
 Data File : VN063226.D
 Acq On : 3 Sep 2020 17:36
 Operator : JC/MD
 Sample : L3902-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW185S-20200901

Quant Time: Sep 04 04:05:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	284519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	566683	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	555660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	211807	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	230262	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
35) Dibromofluoromethane	7.55	113	180970	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	10.06	98	711835	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.38	95	236095	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	

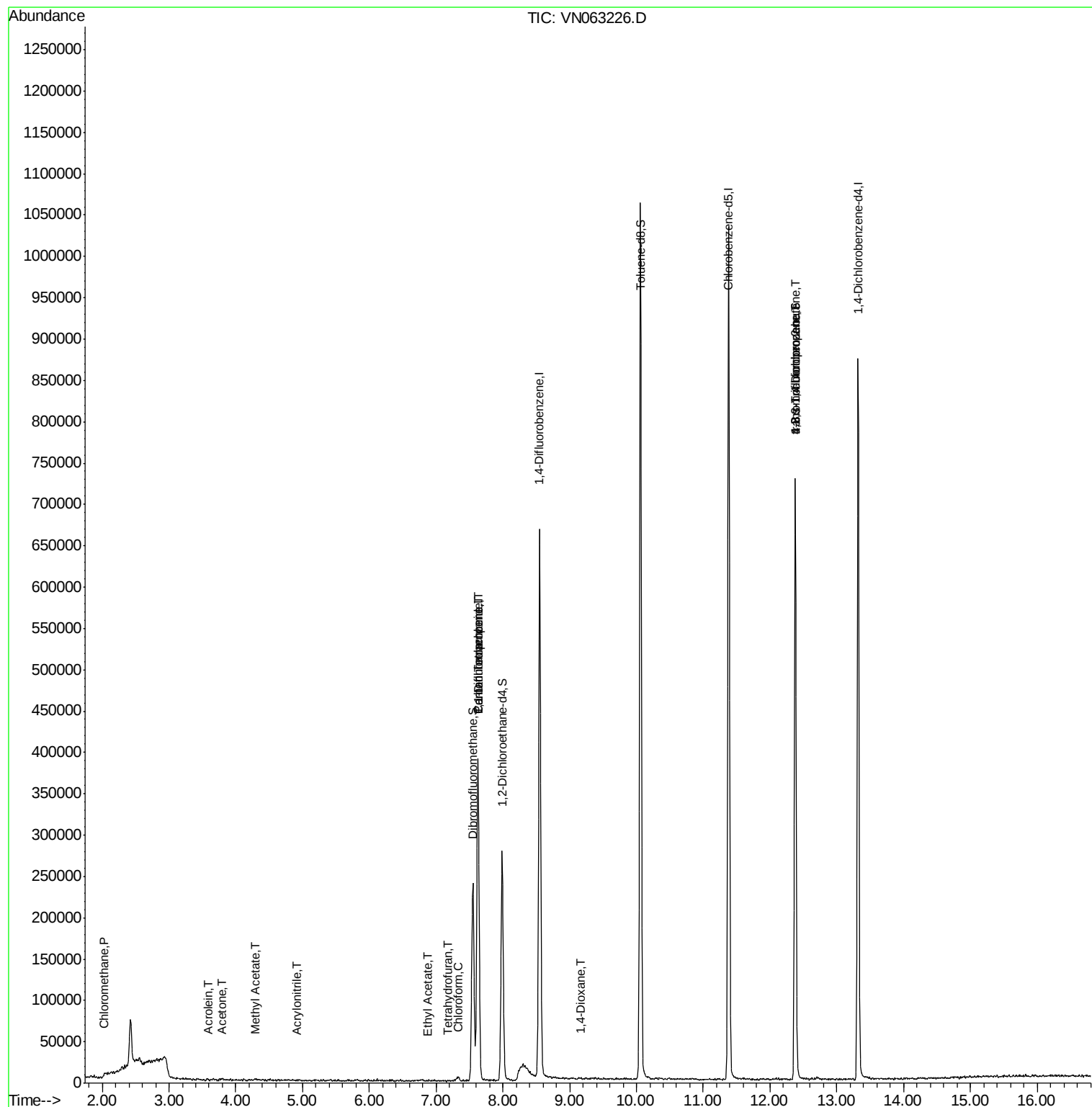
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1624	0.398	ug/l #	73
7) Trichlorofluoromethane	3.01	101	59	Below Cal	#	19
13) Acrolein	3.58	56	97	16.187	ug/l	92
15) Acrylonitrile	4.92	53	62	2.442	ug/l #	1
16) Acetone	3.78	43	945	0.715	ug/l #	48
18) Methyl Acetate	4.29	43	916	0.270	ug/l #	68
20) Methylene Chloride	4.49	84	355	Below Cal	#	35
29) Tetrahydrofuran	7.18	42	447	0.316	ug/l #	34
30) Chloroform	7.33	83	3967	0.554	ug/l #	78
31) Cyclohexane	7.62	56	9191	Below Cal	#	50
36) 1,1-Dichloropropene	7.62	75	26307	4.829	ug/l #	47
37) Ethyl Acetate	6.87	43	260	0.430	ug/l #	72
38) Carbon Tetrachloride	7.63	117	30729	5.562	ug/l #	16
49) 1,4-Dioxane	9.17	88	30	0.484	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	138457	33.270	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	138457	80.414	ug/l #	10

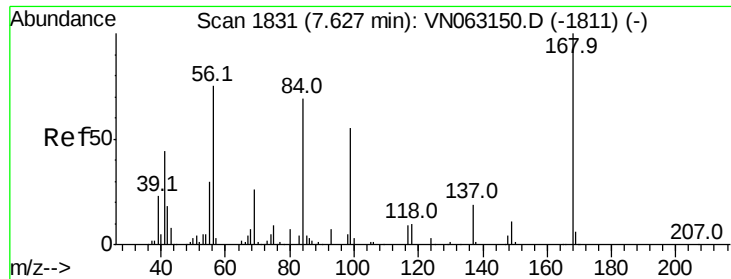
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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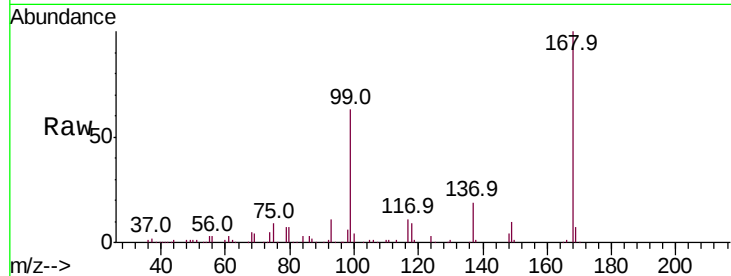




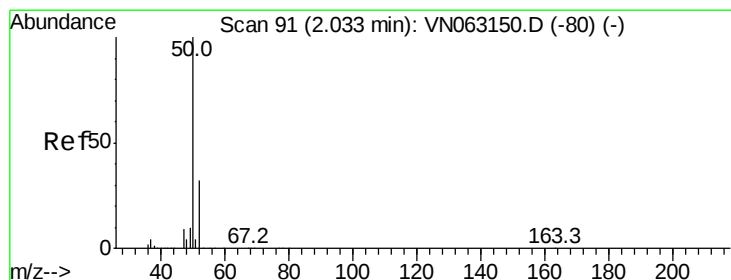
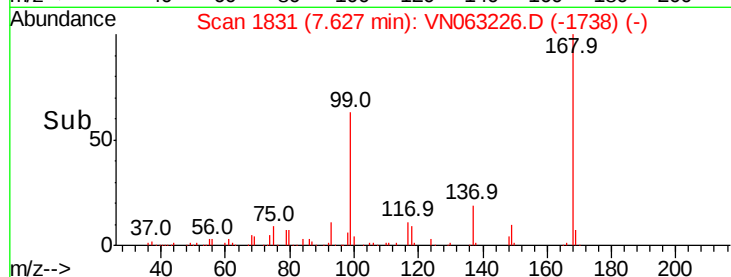
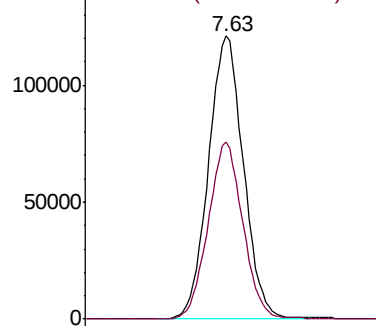
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.00 min
Lab File: VN063226.D
Acq: 3 Sep 2020 17:36

Instrument :
MSVOA_N
ClientSampleId :
SA-MW185S-20200901

Tot Ion:168 Resp: 284519
Ion Ratio Lower Upper
168 100
99 62.8 54.2 81.2

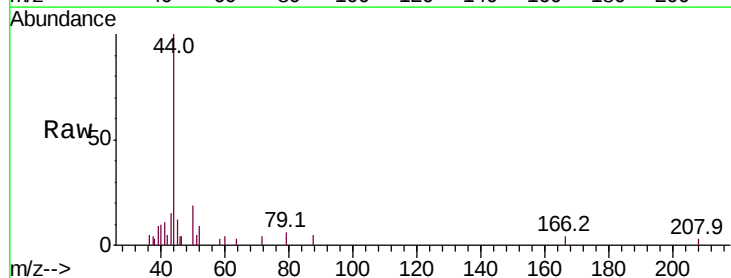


Abundance Ion 167.90 (167.60 to 168.60): V

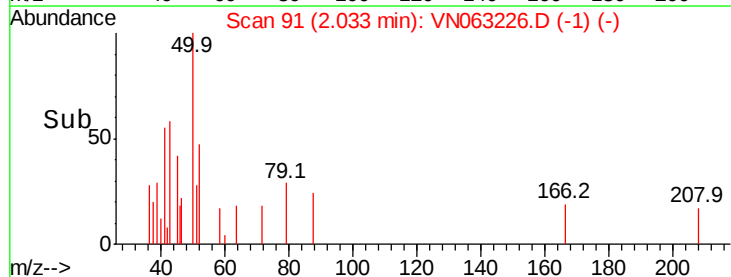
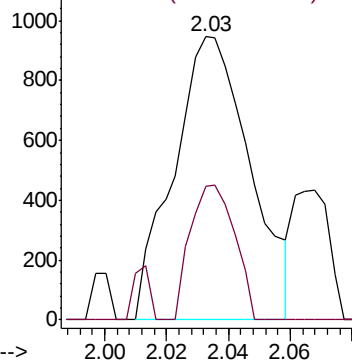


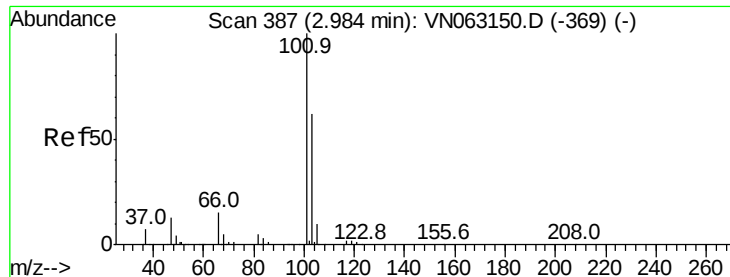
#3
Chloromethane
Concen: 0.398 ug/l
RT: 2.03 min Scan# 91
Delta R.T. -0.00 min
Lab File: VN063226.D
Acq: 3 Sep 2020 17:36

Tgt Ion: 50 Resp: 1624
Ion Ratio Lower Upper
50 100
52 47.1 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): V



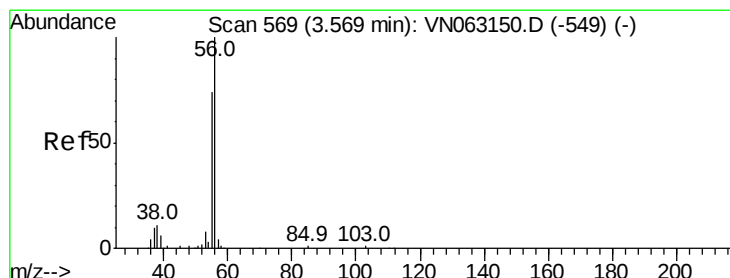
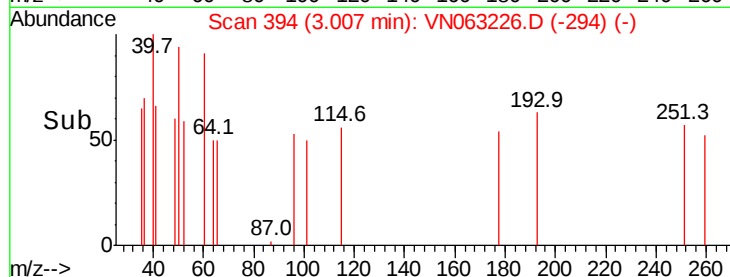
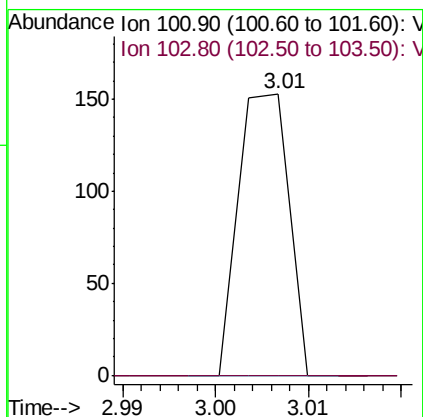
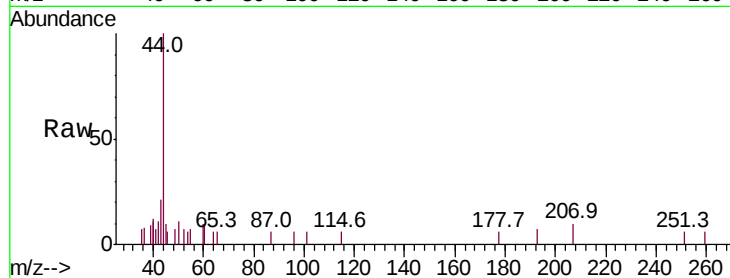


#7

Trichlorofluoromethane
 Concen: Below Cal
 RT: 3.01 min Scan# 394
 Delta R.T. 0.02 min
 Lab File: VN063226.D
 Acq: 3 Sep 2020 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW185S-20200901

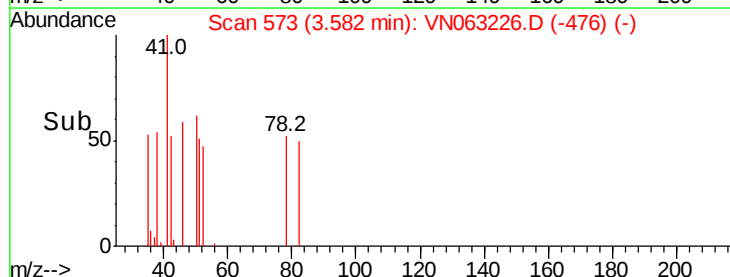
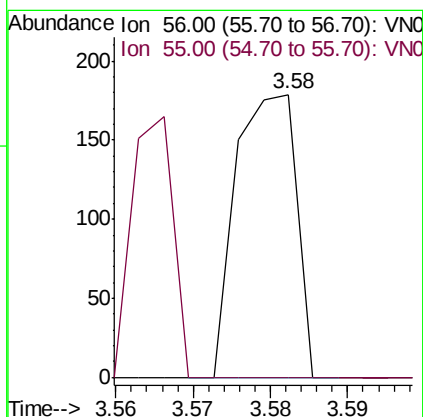
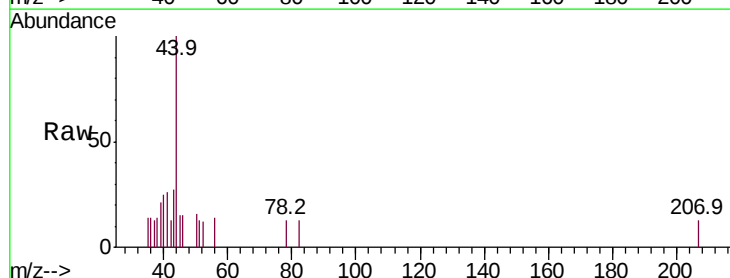
Tot Ion:101 Resp: 59
 Ion Ratio Lower Upper
 101 100
 103 0.0 49.7 74.5#

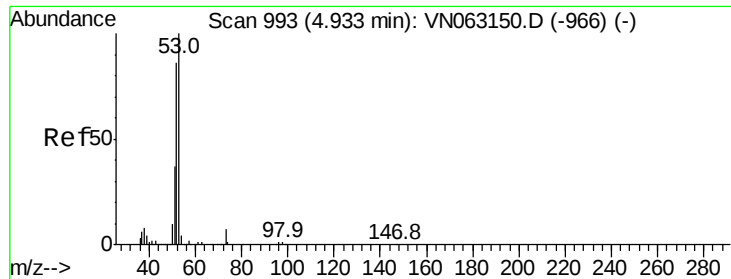


#13

Acrolein
 Concen: 16.187 ug/l
 RT: 3.58 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: VN063226.D
 Acq: 3 Sep 2020 17:36

Tgt Ion: 56 Resp: 97
 Ion Ratio Lower Upper
 56 100
 55 62.9 55.4 83.0





#15

Acrylonitrile

Concen: 2.442 ug/l

RT: 4.92 min Scan# 988

Delta R.T. -0.02 min

Lab File: VN063226.D

Acq: 3 Sep 2020 17:36

Instrument :

MSVOA_N

ClientSampleId :

SA-MW185S-20200901

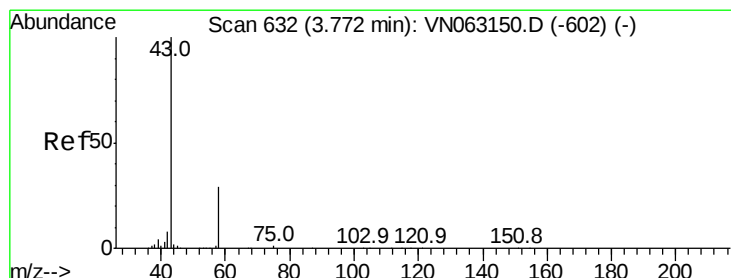
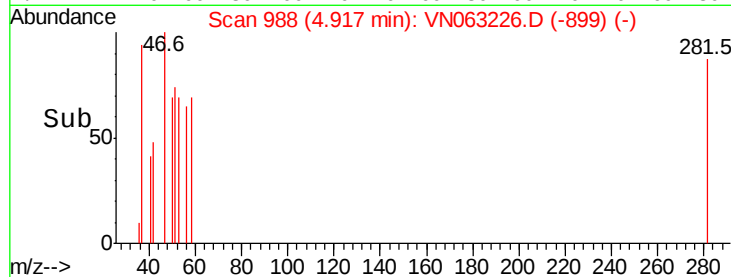
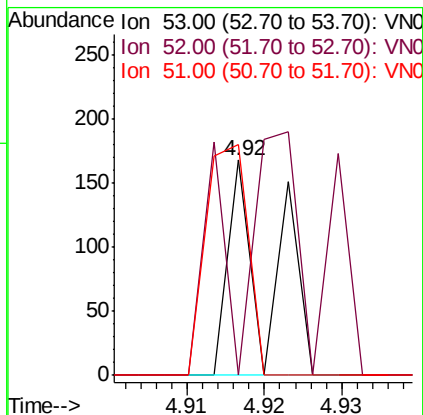
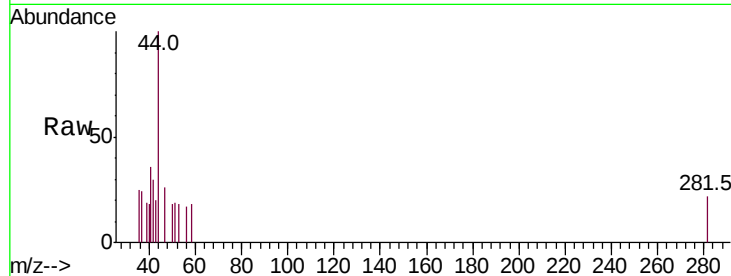
Tot Ion: 53 Resp: 62

Ion Ratio Lower Upper

53 100

52 227.4 67.2 100.8#

51 109.7 30.2 45.4#



#16

Acetone

Concen: 0.715 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063226.D

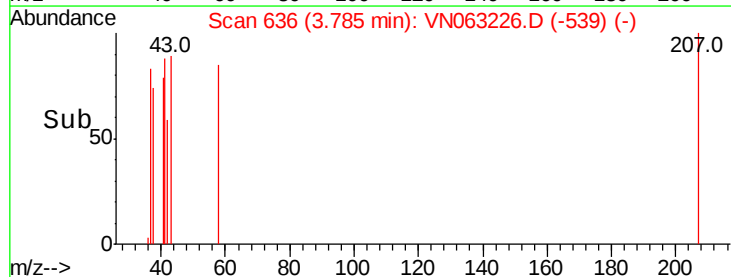
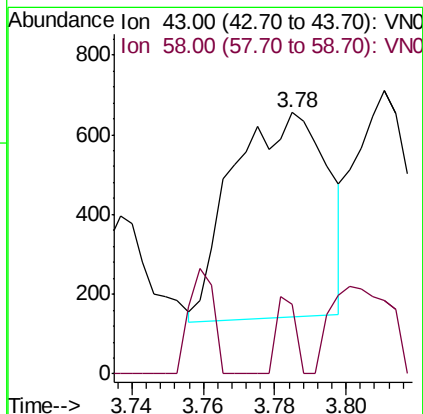
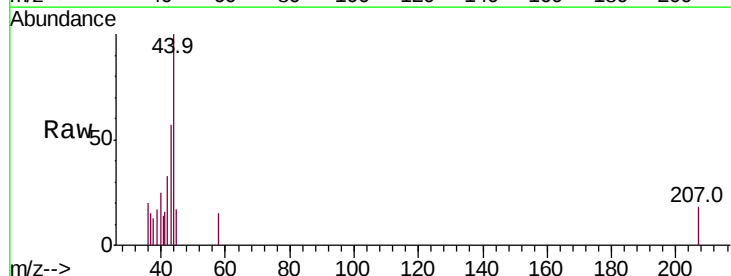
Acq: 3 Sep 2020 17:36

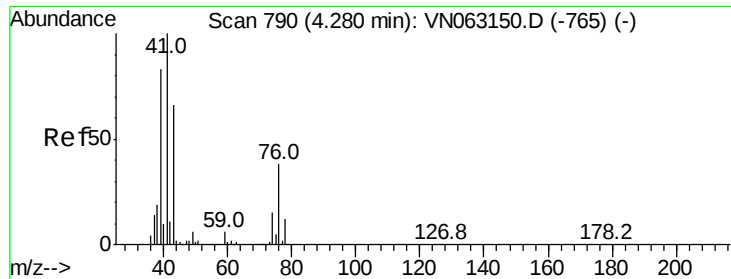
Tgt Ion: 43 Resp: 945

Ion Ratio Lower Upper

43 100

58 1.2 23.1 34.7#

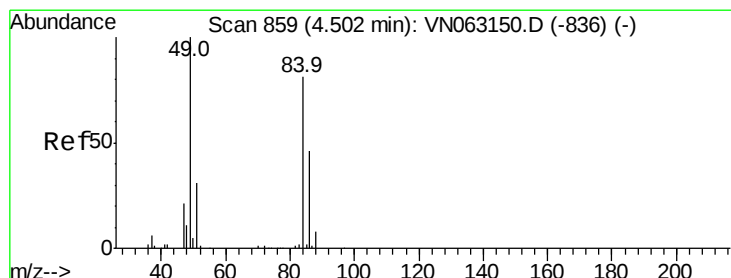
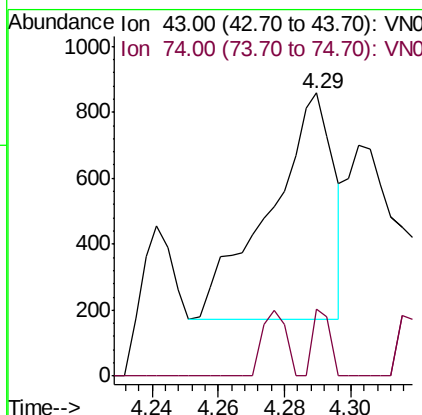
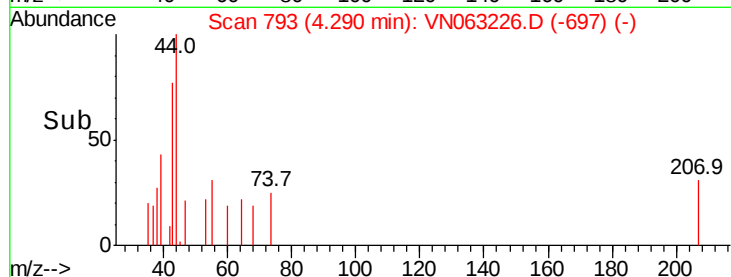
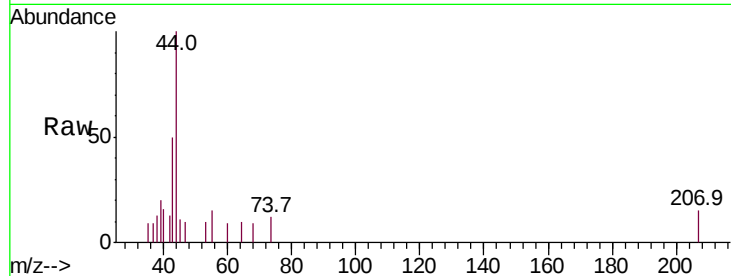




#18
Methyl Acetate
Concen: 0.270 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN063226.D
Acq: 3 Sep 2020 17:36

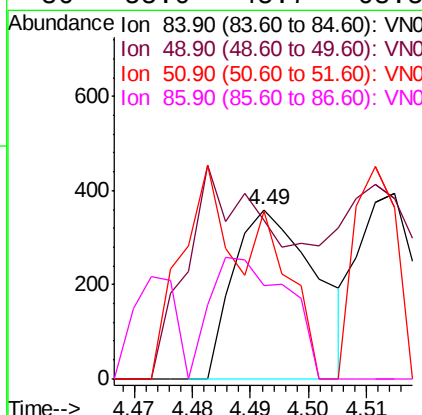
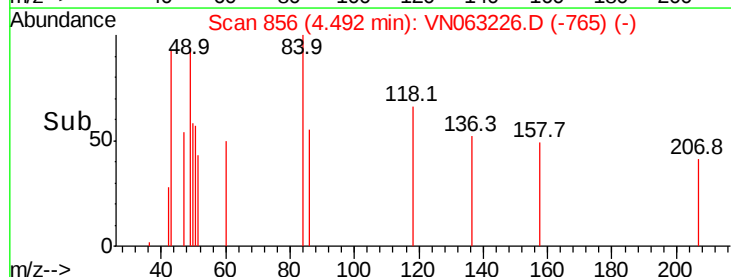
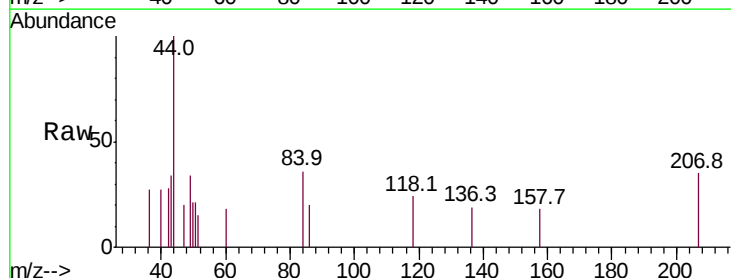
Instrument :
MSVOA_N
ClientSampleId :
SA-MW185S-20200901

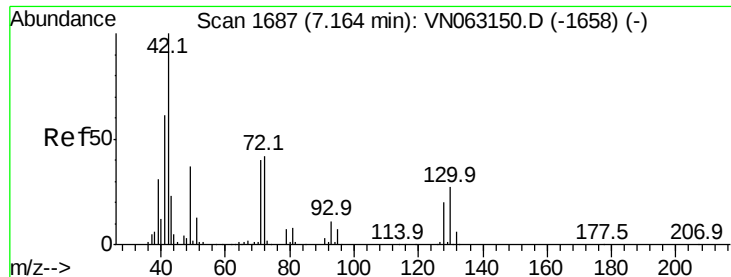
Tot Ion: 43 Resp: 916
Ion Ratio Lower Upper
43 100
74 8.1 19.0 28.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN063226.D
Acq: 3 Sep 2020 17:36

Tgt Ion: 84 Resp: 355
Ion Ratio Lower Upper
84 100
49 30.3 98.4 147.6#
51 99.2 30.4 45.6#
86 55.0 45.7 68.5





#29

Tetrahydrofuran

Concen: 0.316 ug/l

RT: 7.18 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VN063226.D

Acq: 3 Sep 2020 17:36

Instrument :

MSVOA_N

ClientSampleId :

SA-MW185S-20200901

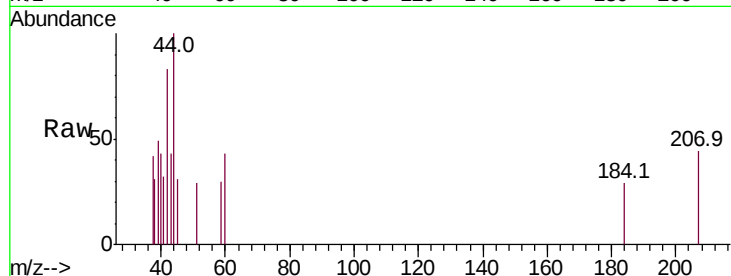
Tot Ion: 42 Resp: 447

Ion Ratio Lower Upper

42 100

72 0.0 33.9 50.9#

71 0.0 31.9 47.9#

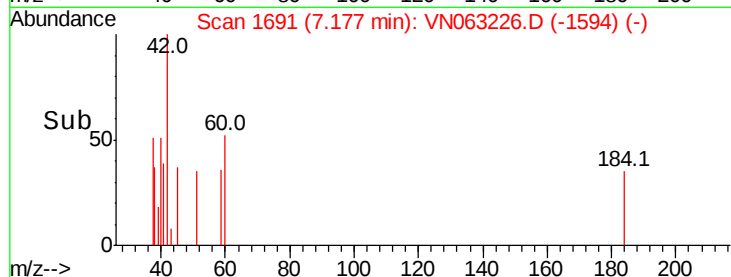


Abundance Ion 42.00 (41.70 to 42.70): VN063150.D (-1658) (-)

Ion 72.00 (71.70 to 72.70): VN063150.D (-1658) (-)

Ion 71.00 (70.70 to 71.70): VN063150.D (-1658) (-)

Time-->



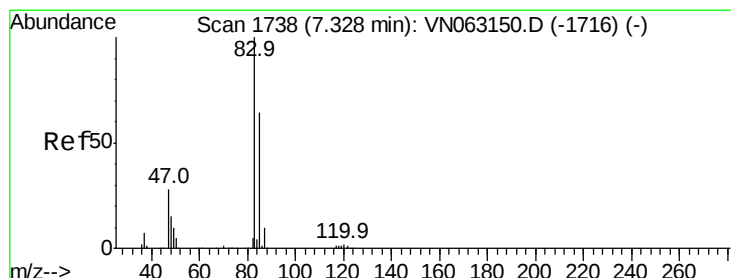
Abundance

Ion 42.00 (41.70 to 42.70): VN063226.D (-1594) (-)

Ion 72.00 (71.70 to 72.70): VN063226.D (-1594) (-)

Ion 71.00 (70.70 to 71.70): VN063226.D (-1594) (-)

Time-->



#30

Chloroform

Concen: 0.554 ug/l

RT: 7.33 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VN063226.D

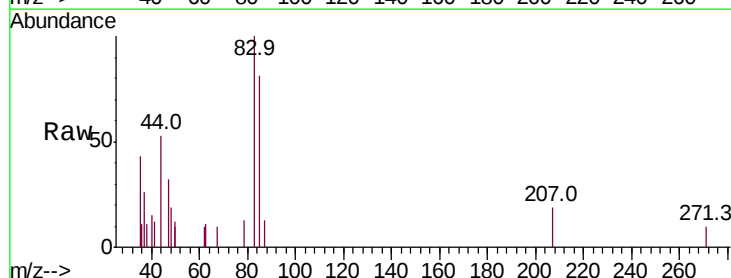
Acq: 3 Sep 2020 17:36

Tgt Ion: 83 Resp: 3967

Ion Ratio Lower Upper

83 100

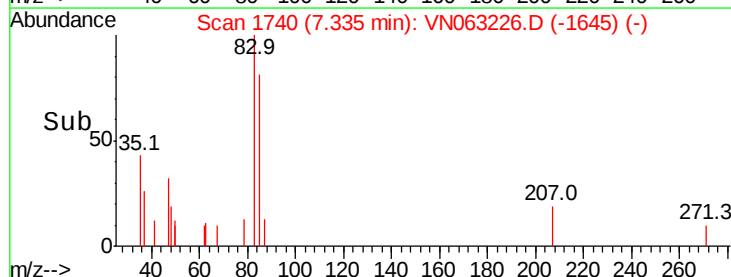
85 80.9 51.0 76.6#



Abundance Ion 82.90 (82.60 to 83.60): VN063150.D (-1716) (-)

Ion 84.90 (84.60 to 85.60): VN063150.D (-1716) (-)

Time-->

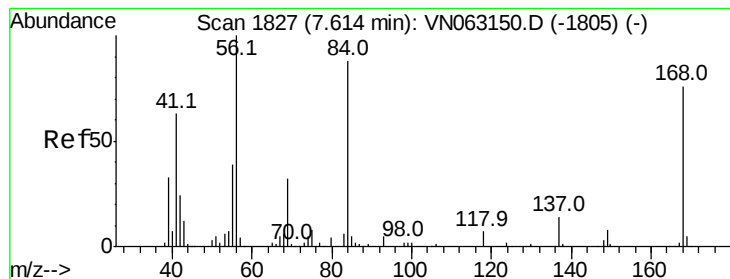


Abundance

Ion 82.90 (82.60 to 83.60): VN063226.D (-1645) (-)

Ion 84.90 (84.60 to 85.60): VN063226.D (-1645) (-)

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063226.D

Acq: 3 Sep 2020 17:36

Instrument :

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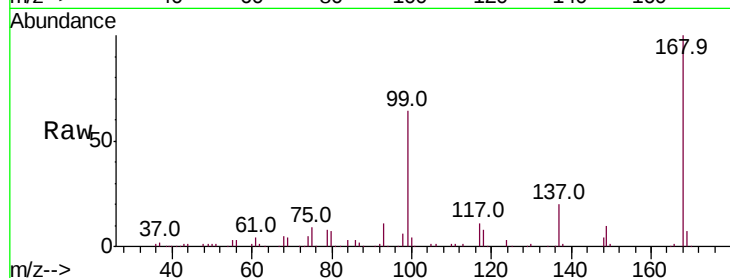
Tot Ion: 56 Resp: 9191

Ion Ratio Lower Upper

56 100

69 124.6 25.4 38.0#

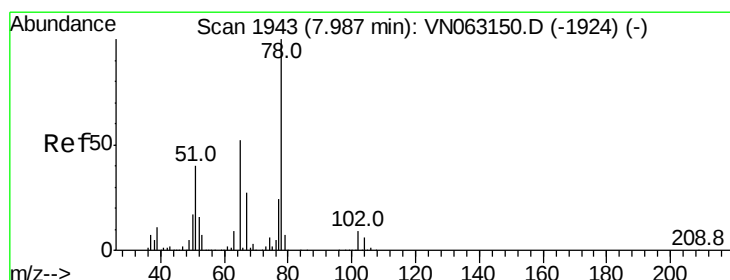
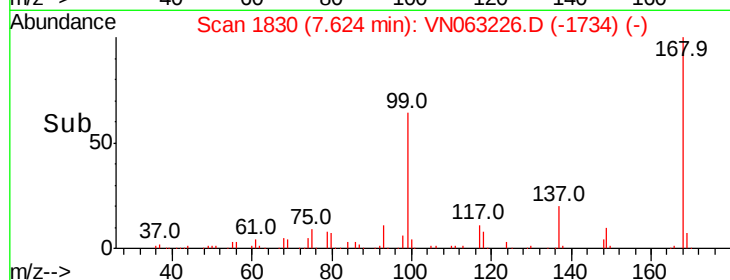
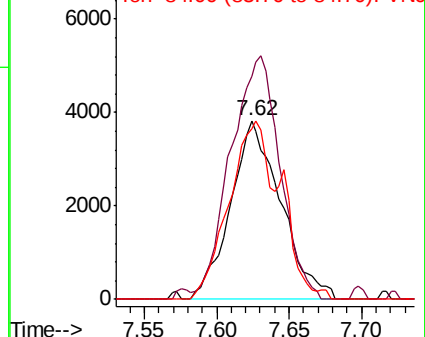
84 95.4 70.2 105.4



Abundance Ion 56.00 (55.70 to 56.70): VN063226.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN063226.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN063226.D (-1805) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.508 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063226.D

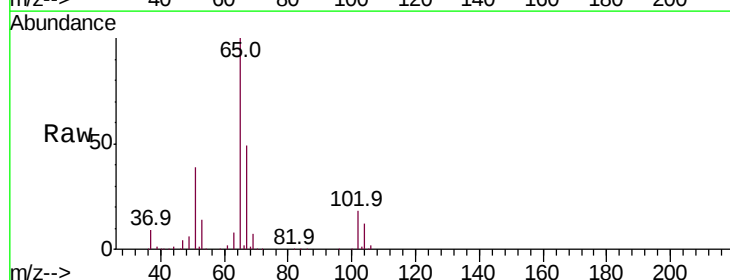
Acq: 3 Sep 2020 17:36

Tgt Ion: 65 Resp: 230262

Ion Ratio Lower Upper

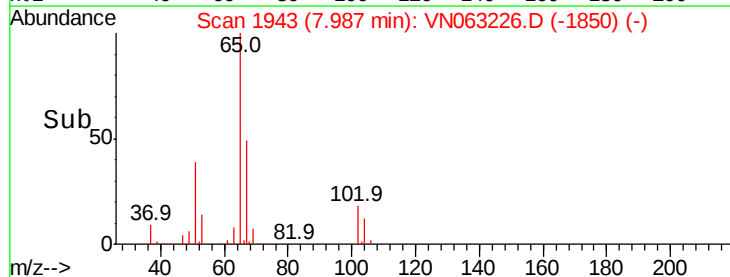
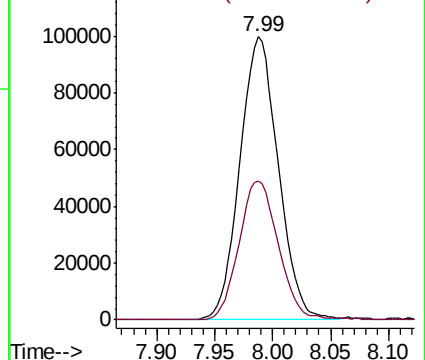
65 100

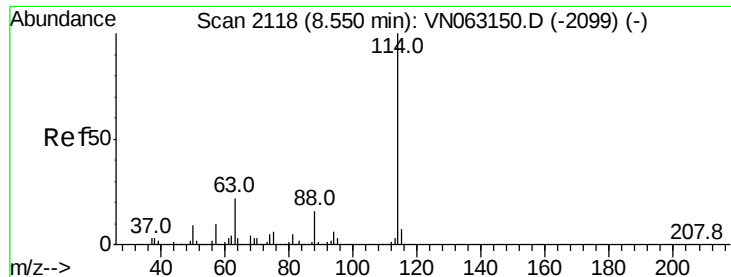
67 50.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN063226.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063226.D (-1850) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063226.D

Acq: 3 Sep 2020 17:36

Instrument :

MSVOA_N

ClientSampleId :

SA-MW185S-20200901

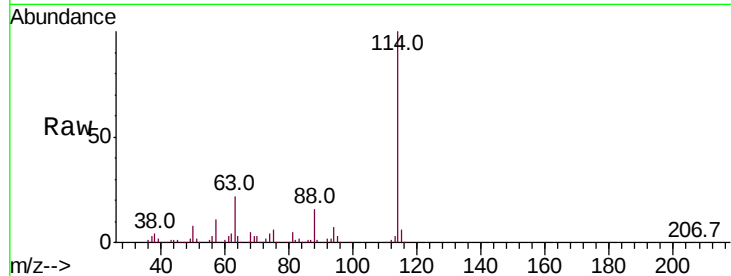
Tot Ion:114 Resp: 566683

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.0

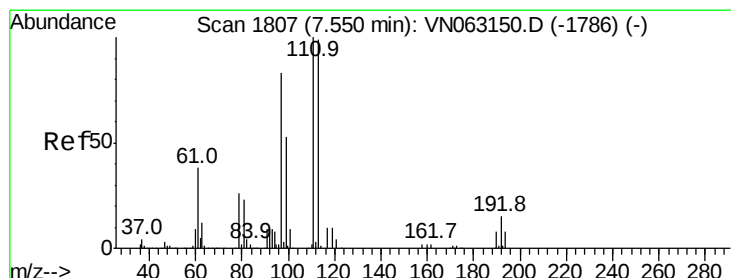
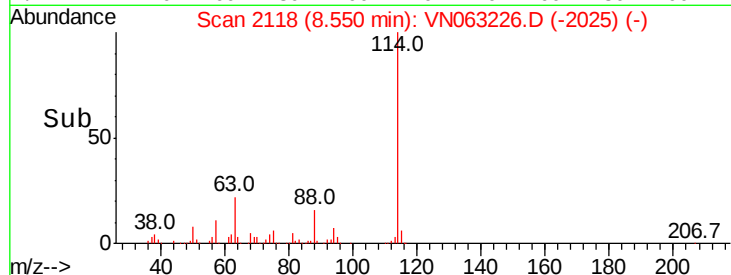
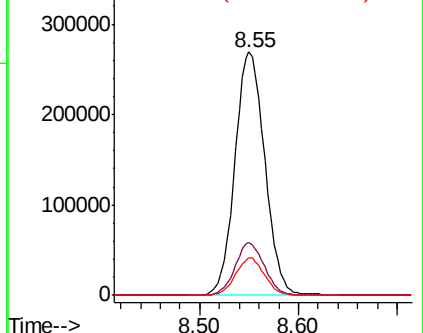
88 15.6 0.0 31.6



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: 49.778 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN063226.D

Acq: 3 Sep 2020 17:36

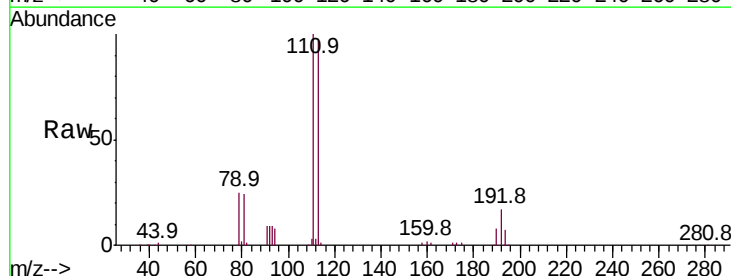
Tgt Ion:113 Resp: 180970

Ion Ratio Lower Upper

113 100

111 101.8 80.7 121.1

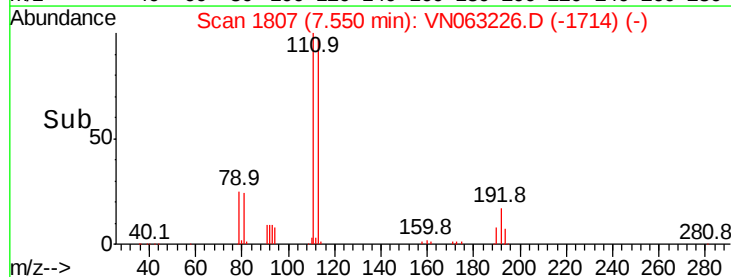
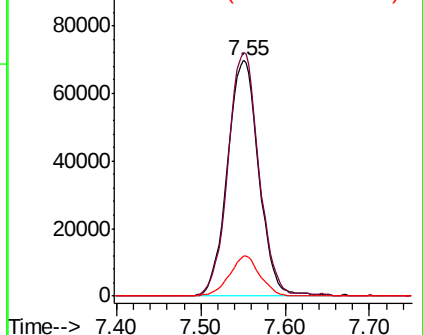
192 16.4 12.6 19.0

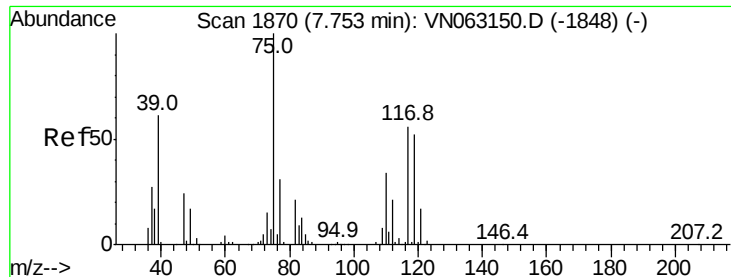


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.829 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063226.D

Acq: 3 Sep 2020 17:36

Instrument :

MSVOA_N

ClientSampleId :

SA-MW185S-20200901

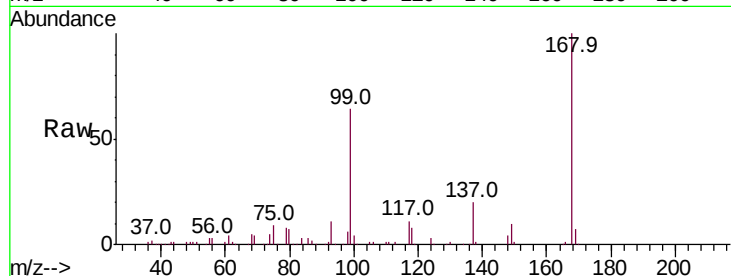
Tot Ion: 75 Resp: 26307

Ion Ratio Lower Upper

75 100

110 5.7 16.6 49.8#

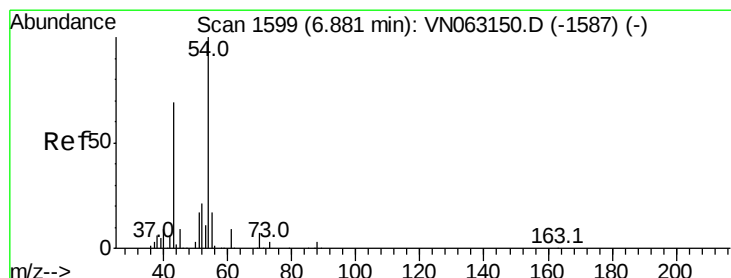
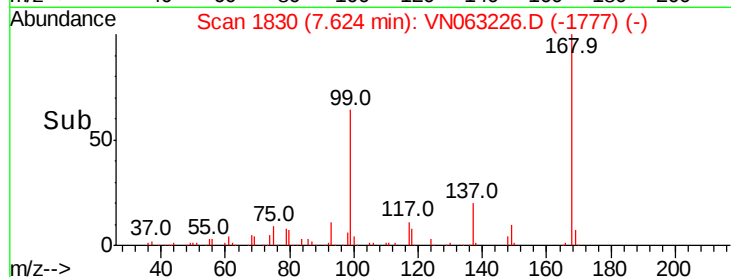
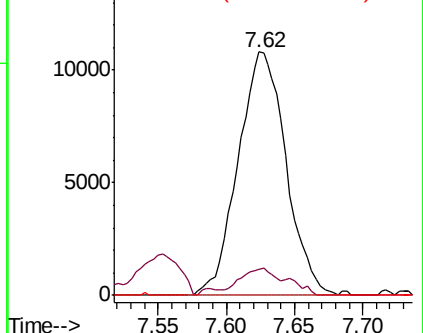
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN063150.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN063150.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN063150.D (-1848) (-)



#37

Ethyl Acetate

Concen: 0.430 ug/l

RT: 6.87 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VN063226.D

Acq: 3 Sep 2020 17:36

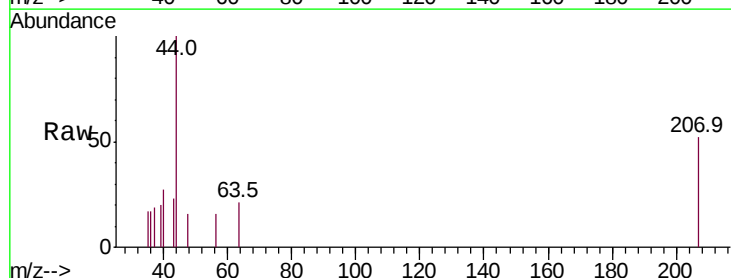
Tgt Ion: 43 Resp: 260

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

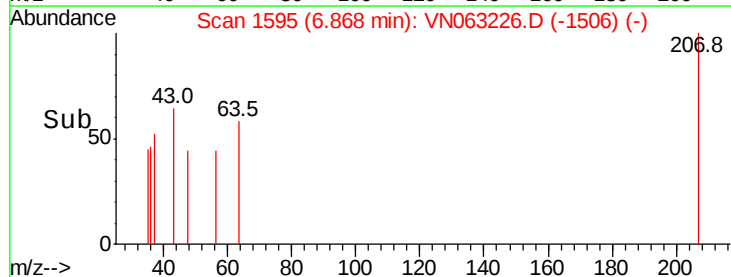
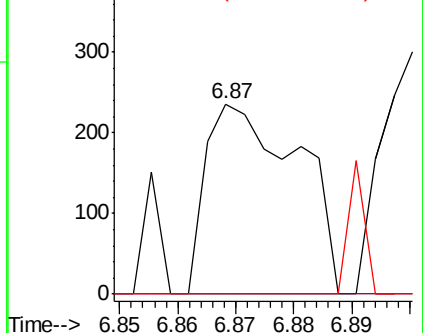
70 0.0 3.0 4.6#

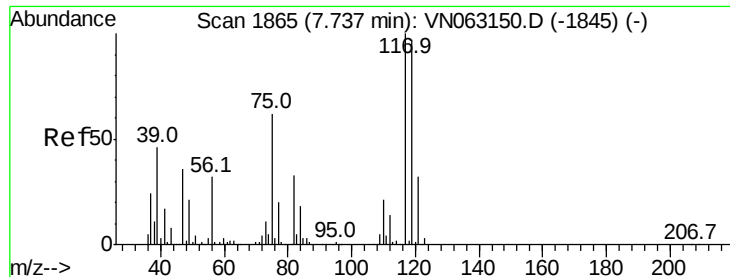


Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-1587) (-)

Ion 60.90 (60.60 to 61.60): VN063150.D (-1587) (-)

Ion 70.00 (69.70 to 70.70): VN063150.D (-1587) (-)

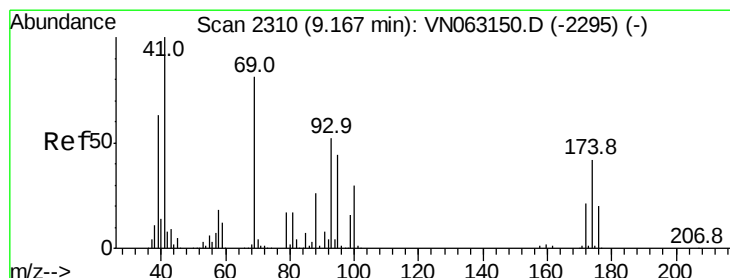
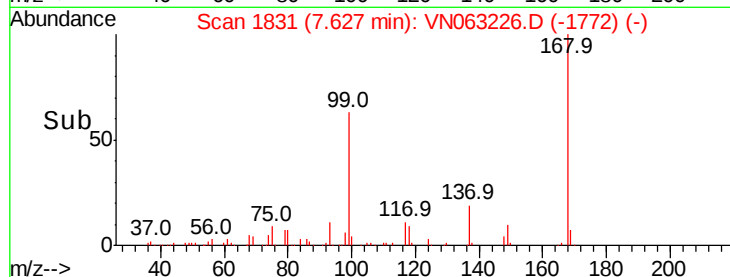
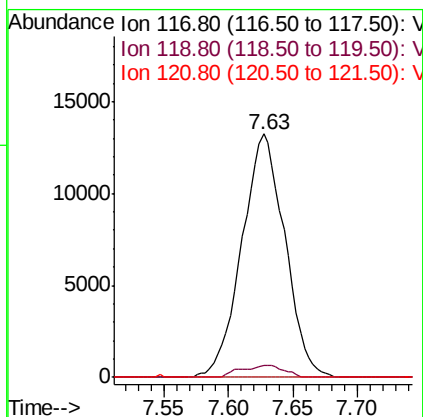
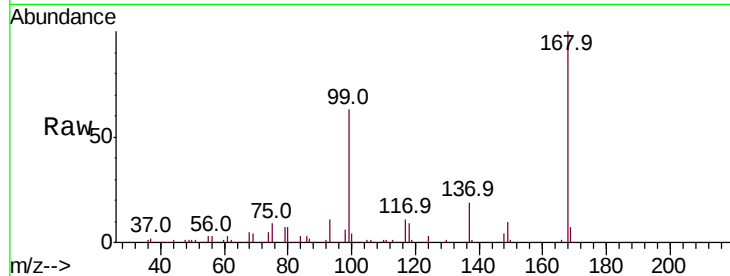




#38
Carbon Tetrachloride
Concen: 5.562 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063226.D
Acq: 3 Sep 2020 17:36

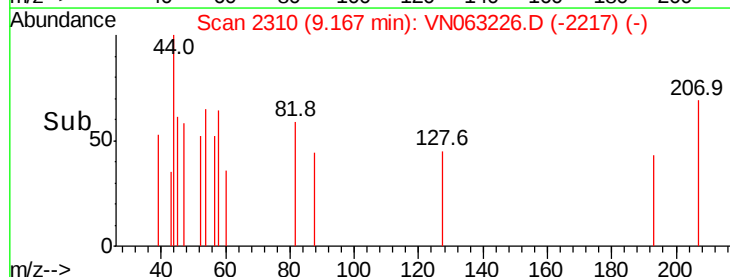
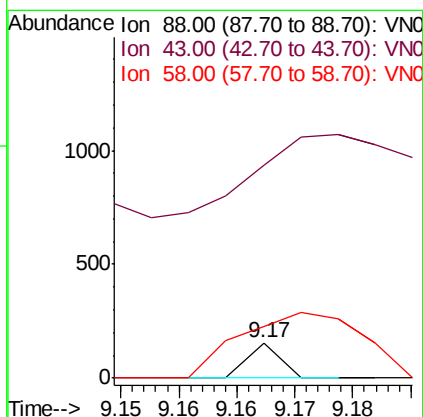
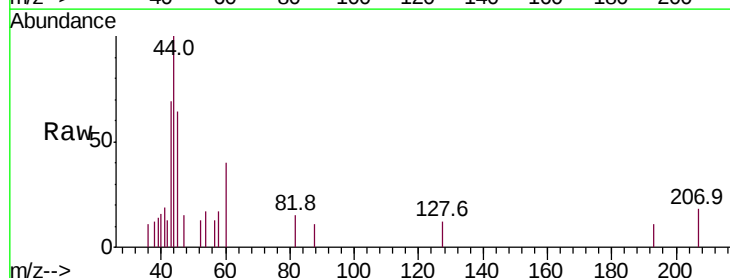
Instrument :
MSVOA_N
ClientSampleId :
SA-MW185S-20200901

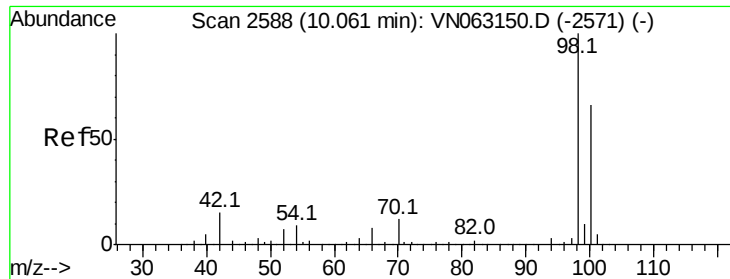
Tot Ion:117 Resp: 30729
Ion Ratio Lower Upper
117 100
119 5.0 77.2 115.8#
121 0.0 25.6 38.4#



#49
1,4-Dioxane
Concen: 0.484 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063226.D
Acq: 3 Sep 2020 17:36

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 1313.3 28.6 42.8#
58 700.0 53.2 79.8#





#50

Toluene-d8

Concen: 50.870 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN063226.D

Acq: 3 Sep 2020 17:36

Instrument :

MSVOA_N

ClientSampleId :

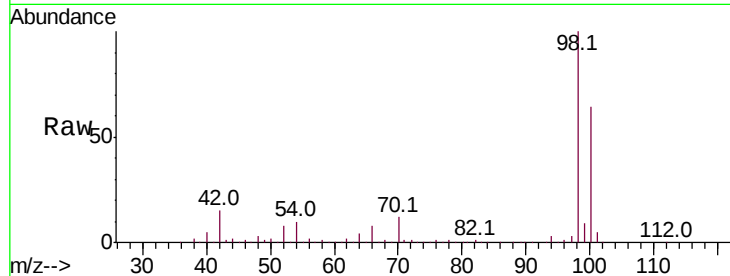
SA-MW185S-20200901

Tot Ion: 98 Resp: 711835

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN063150.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063150.D (-2571) (-)

10.06

400000

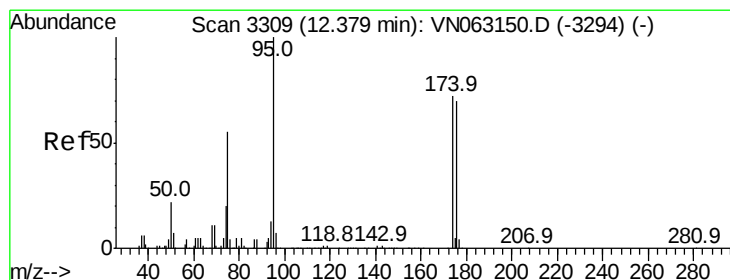
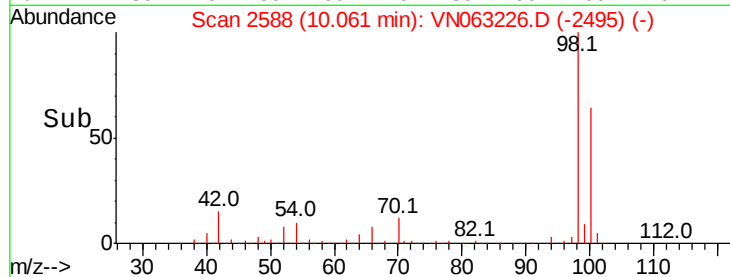
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.233 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063226.D

Acq: 3 Sep 2020 17:36

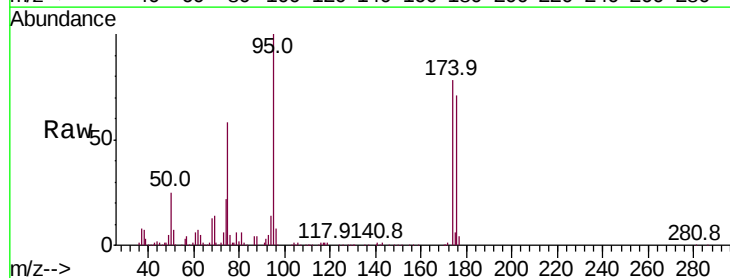
Tgt Ion: 95 Resp: 236095

Ion Ratio Lower Upper

95 100

174 77.8 0.0 143.8

176 73.7 0.0 138.4



Abundance Ion 94.90 (94.60 to 95.60): VN063150.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063150.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063150.D (-3294) (-)

12.38

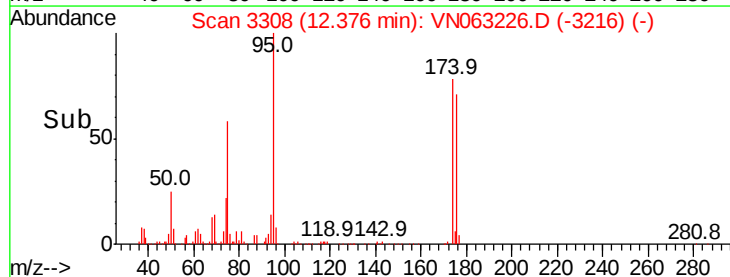
150000

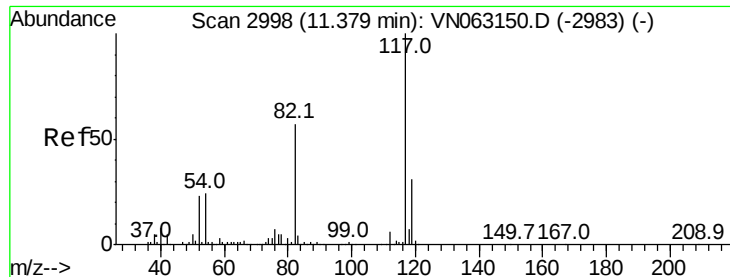
100000

50000

0

Time-->

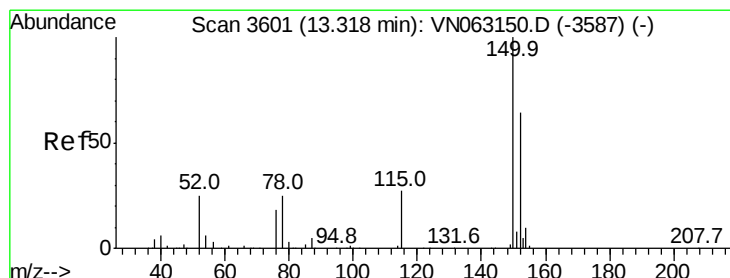
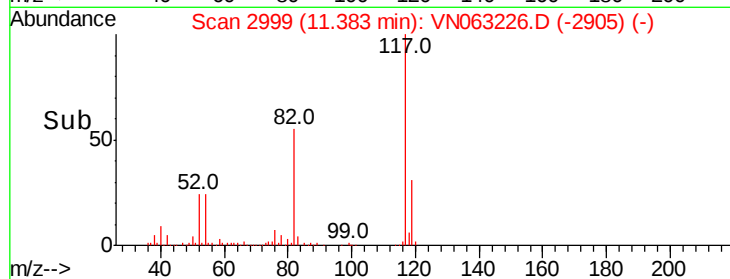
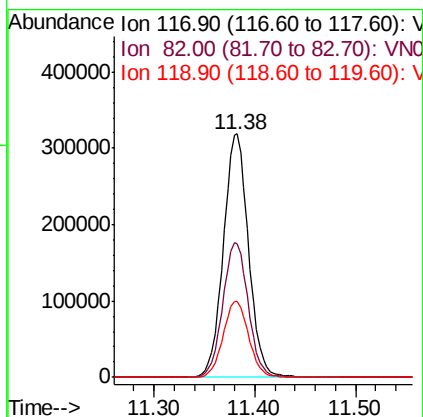
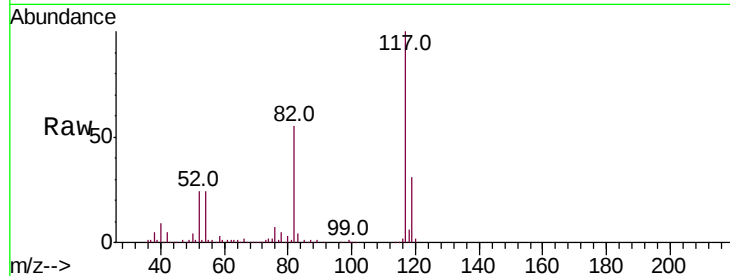




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063226.D
Acq: 3 Sep 2020 17:36

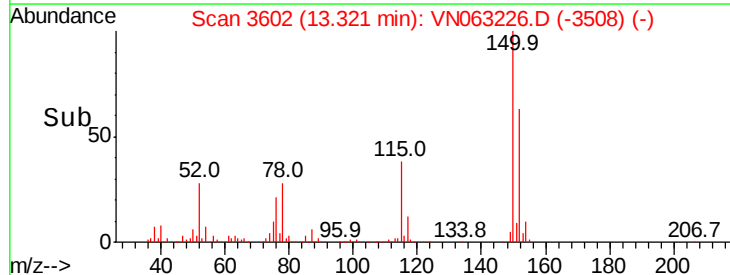
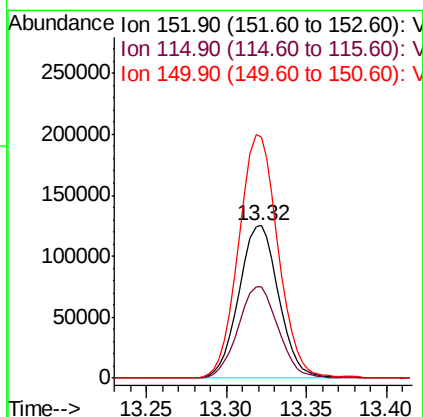
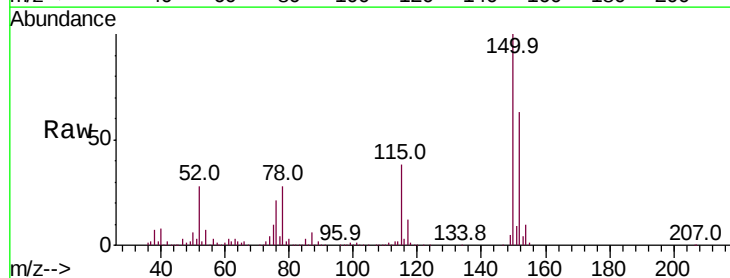
Instrument :
MSVOA_N
ClientSampleId :
SA-MW185S-20200901

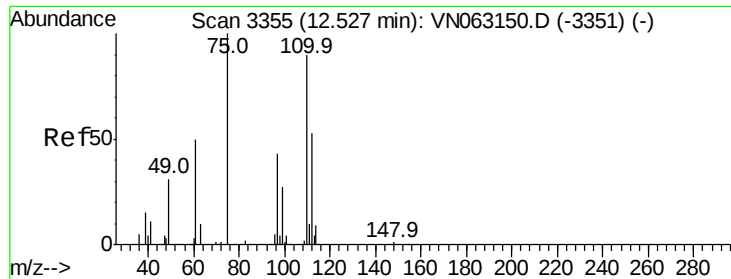
Tot Ion:117 Resp: 555660
Ion Ratio Lower Upper
117 100
82 55.0 45.4 68.0
119 31.0 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3602
Delta R.T. 0.00 min
Lab File: VN063226.D
Acq: 3 Sep 2020 17:36

Tgt Ion:152 Resp: 211807
Ion Ratio Lower Upper
152 100
115 60.8 32.0 96.2
150 158.6 0.0 353.0





#76

1,2,3-Trichloropropane

Concen: 33.270 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063226.D

Acq: 3 Sep 2020 17:36

Instrument :

MSVOA_N

ClientSampleId :

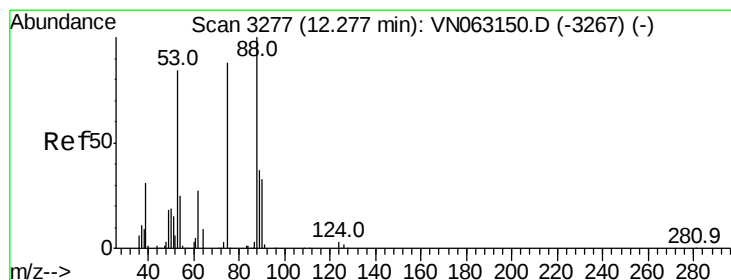
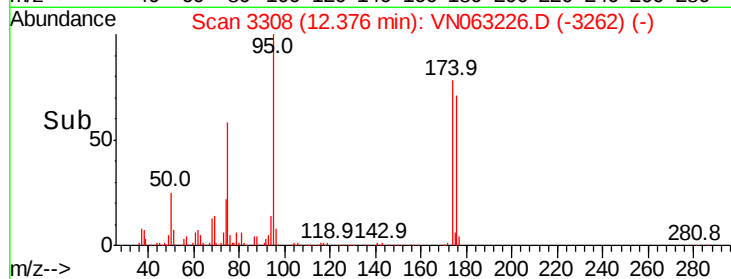
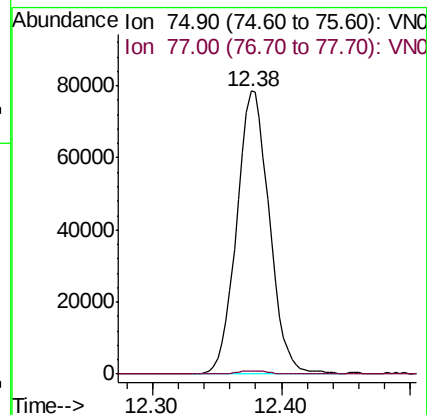
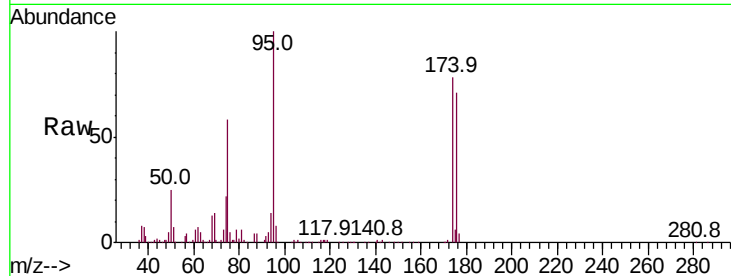
SA-MW185S-20200901

Tot Ion: 75 Resp: 138457

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 80.414 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063226.D

Acq: 3 Sep 2020 17:36

Tgt Ion: 75 Resp: 138457

Ion Ratio Lower Upper

75 100

53 0.0 78.7 118.1#

89 0.0 35.3 52.9#

