

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091120\
 Data File : VN063318.D
 Acq On : 11 Sep 2020 16:42
 Operator : JC/MD
 Sample : L3988-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ133I-20200908

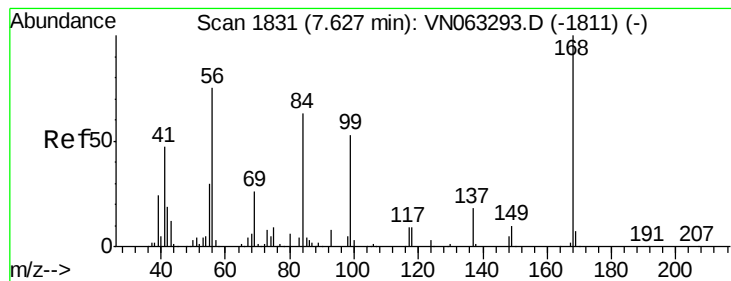
Quant Time: Sep 12 00:42:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 11 06:02:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	377744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	696252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	681581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	277818	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	289377	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
35) Dibromofluoromethane	7.55	113	223393	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
50) Toluene-d8	10.06	98	898448	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.38	95	332437	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	2278	Below Cal		92
13) Acrolein	3.57	56	104	32.669	ug/l	88
16) Acetone	3.79	43	3886	1.896	ug/l #	84
17) Carbon Disulfide	4.00	76	276	Below Cal	#	75
20) Methylene Chloride	4.51	84	207	Below Cal	#	16
24) 1,1-Dichloroethane	5.79	63	1895	0.209	ug/l #	84
31) Cyclohexane	7.63	56	9897	1.189	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	34155	4.772	ug/l #	52
38) Carbon Tetrachloride	7.63	117	40910	5.808	ug/l #	16
49) 1,4-Dioxane	9.17	88	30	0.341	ug/l #	1
71) Bromoform	12.37	173	1403	0.379	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	179456	29.279	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	179456	78.668	ug/l #	9
88) 1,4-Dichlorobenzene	13.34	146	1801	Below Cal	#	1
95) Naphthalene	15.11	128	2251	Below Cal	#	81

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063318.D

Acq: 11 Sep 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

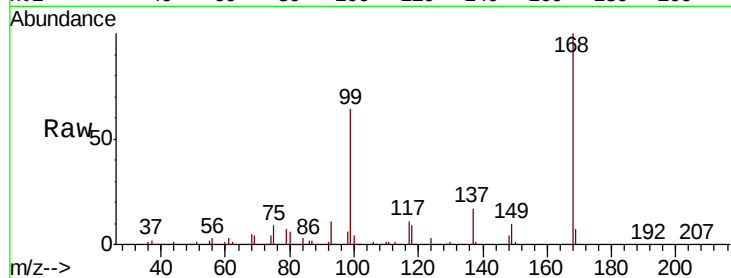
SA-PZ1331-20200908

Tot Ion:168 Resp: 377744

Ion Ratio Lower Upper

168 100

99 64.0 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

150000

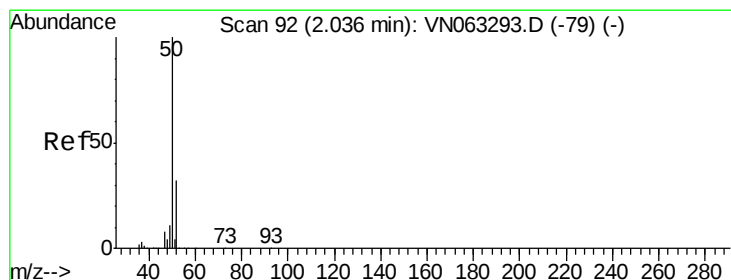
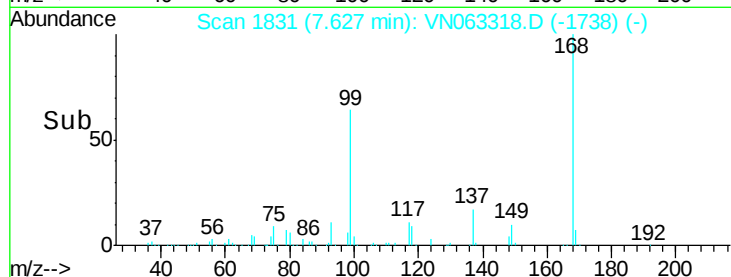
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN063318.D

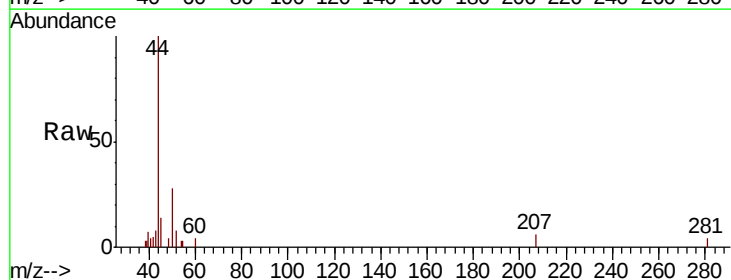
Acq: 11 Sep 2020 16:42

Tgt Ion: 50 Resp: 2278

Ion Ratio Lower Upper

50 100

52 27.6 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

1500

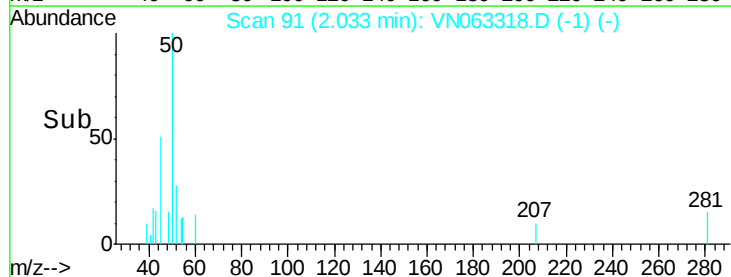
1000

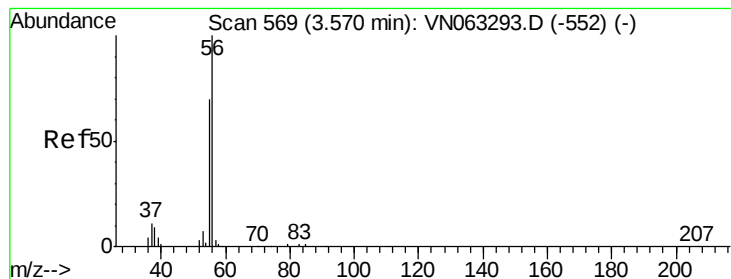
500

0

2.00 2.05

Time-->





#13

Acrolein

Concen: 32.669 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063318.D

Acq: 11 Sep 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

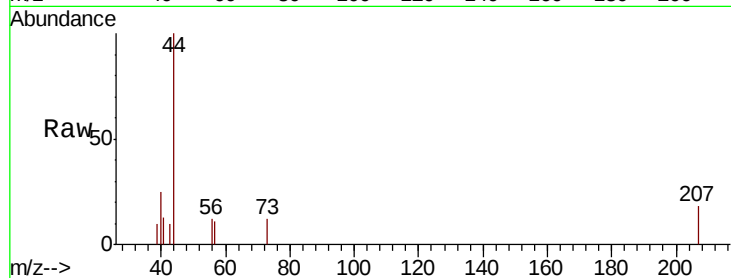
SA-PZ133I-20200908

Tot Ion: 56 Resp: 104

Ion Ratio Lower Upper

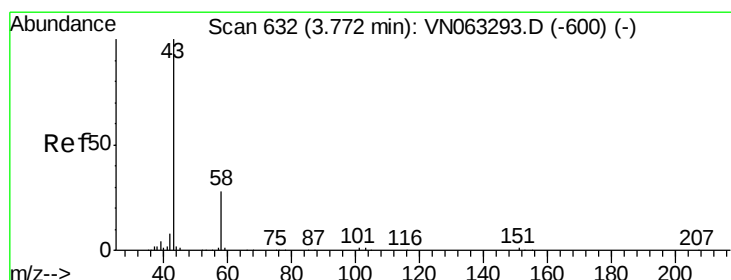
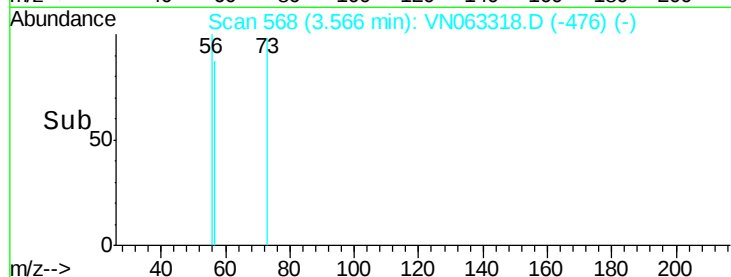
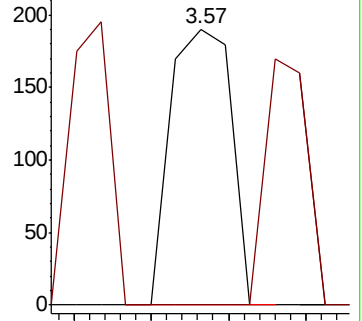
56 100

55 61.5 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 1.896 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.02 min

Lab File: VN063318.D

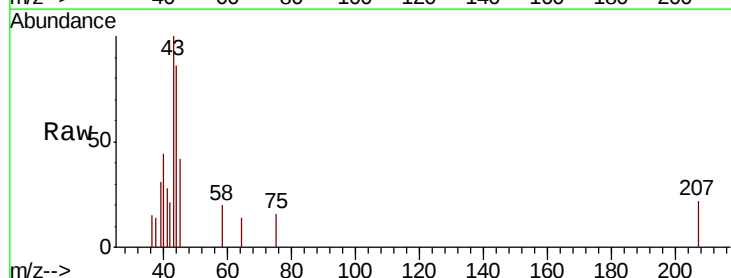
Acq: 11 Sep 2020 16:42

Tgt Ion: 43 Resp: 3886

Ion Ratio Lower Upper

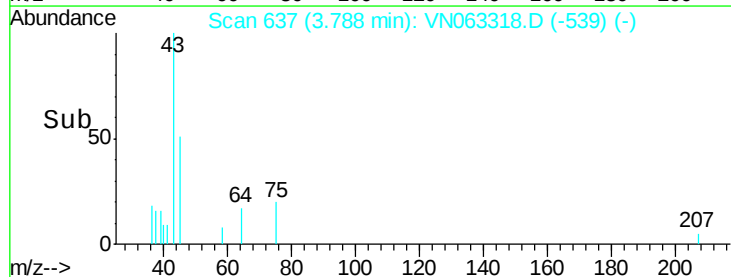
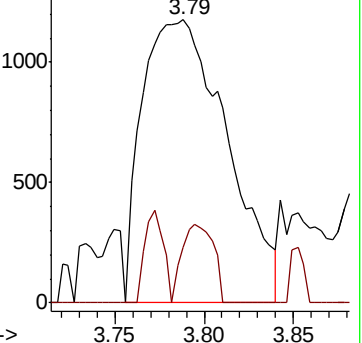
43 100

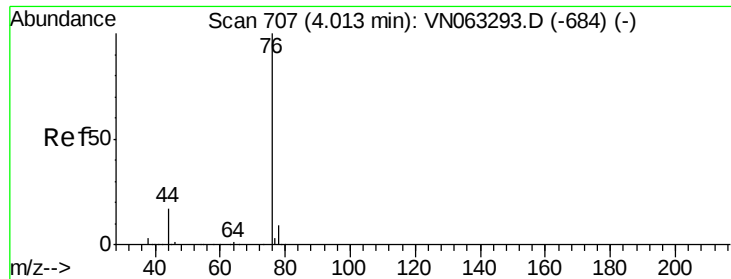
58 19.7 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

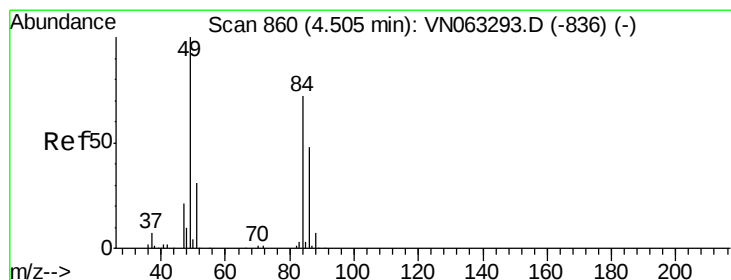
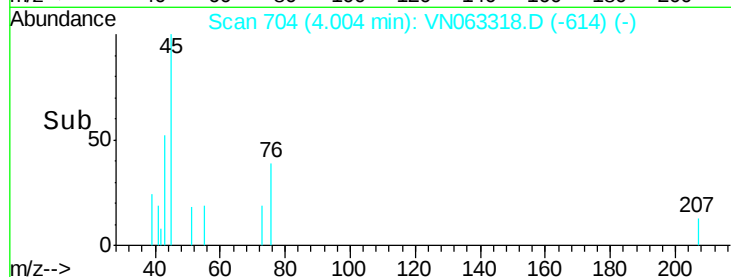
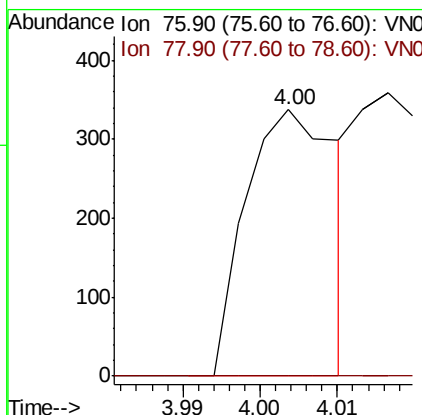
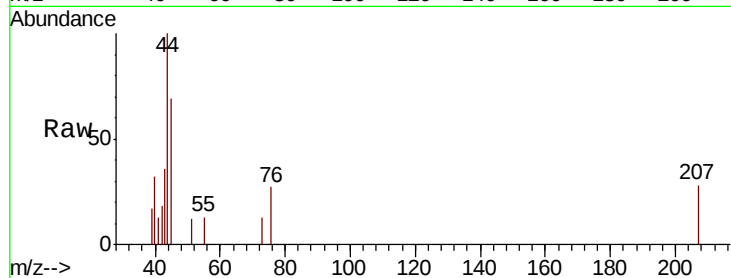




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.00 min Scan# 704
Delta R.T. -0.01 min
Lab File: VN063318.D
Acq: 11 Sep 2020 16:42

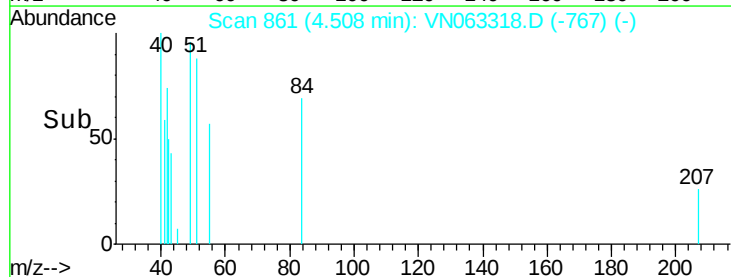
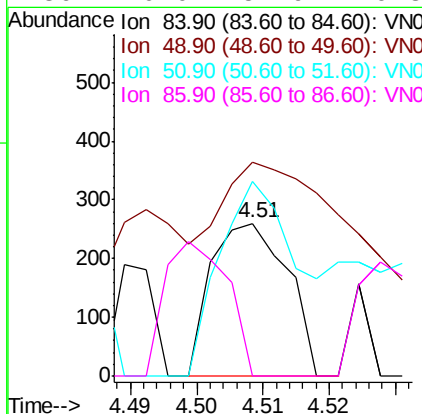
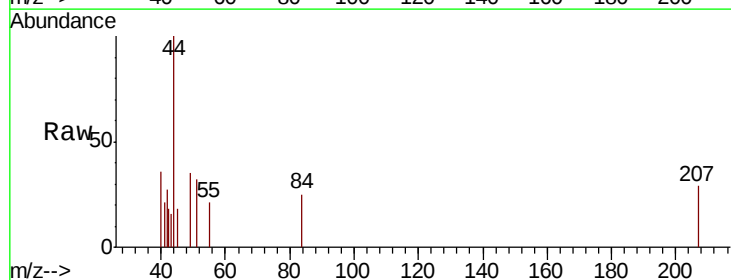
Instrument :
MSVOA_N
ClientSampleId :
SA-PZ133I-20200908

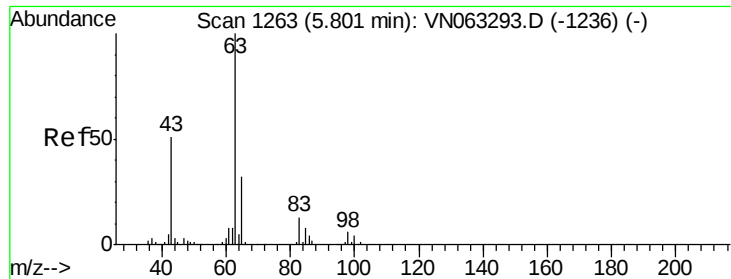
Tot Ion: 76 Resp: 276
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN063318.D
Acq: 11 Sep 2020 16:42

Tgt Ion: 84 Resp: 207
Ion Ratio Lower Upper
84 100
49 53.8 111.1 166.7#
51 127.3 34.3 51.5#
86 0.0 52.9 79.3#





#24

1,1-Dichloroethane

Concen: 0.209 ug/l

RT: 5.79 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VN063318.D

Acq: 11 Sep 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ1331-20200908

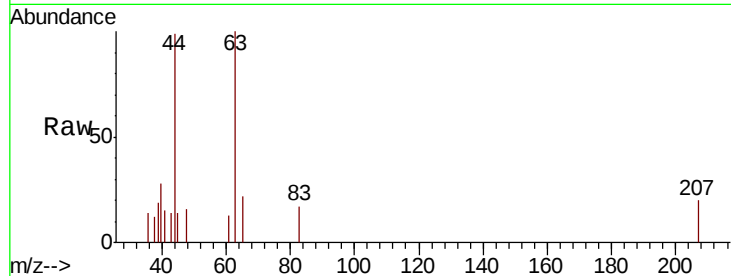
Tot Ion: 63 Resp: 1895

Ion Ratio Lower Upper

63 100

98 0.0 3.1 9.3#

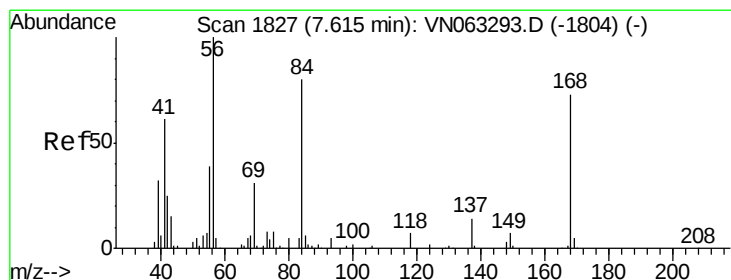
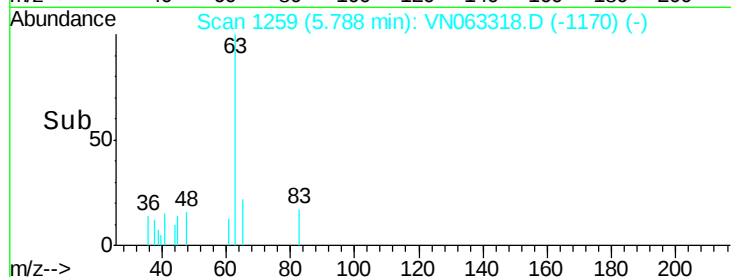
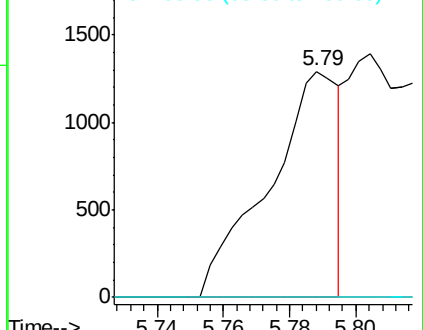
100 0.0 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



#31

Cyclohexane

Concen: 1.189 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN063318.D

Acq: 11 Sep 2020 16:42

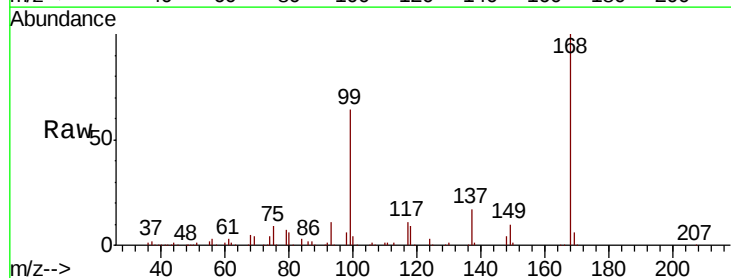
Tgt Ion: 56 Resp: 9897

Ion Ratio Lower Upper

56 100

69 155.9 25.1 37.7#

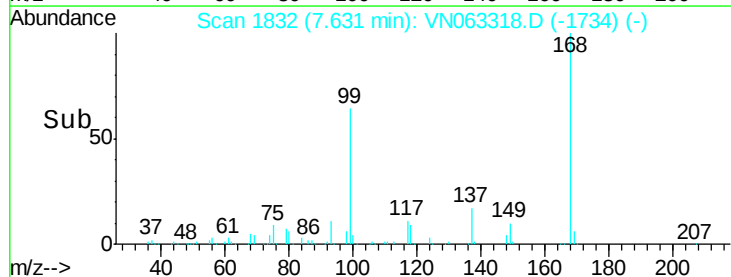
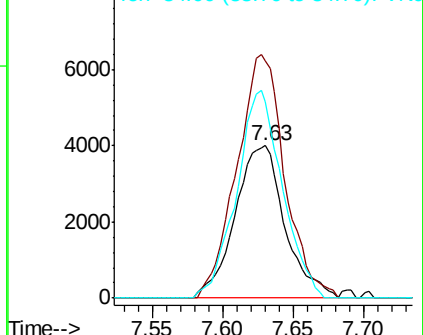
84 129.2 64.2 96.2#

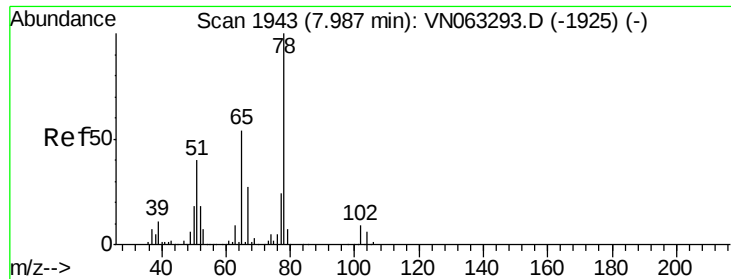


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

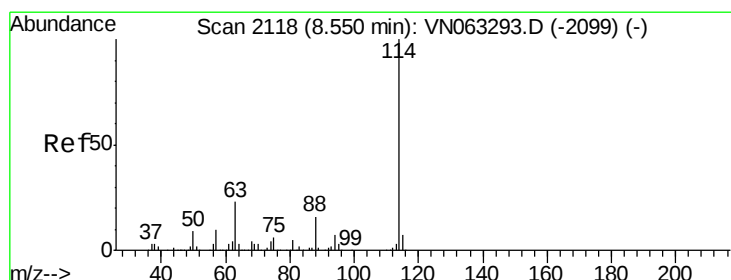
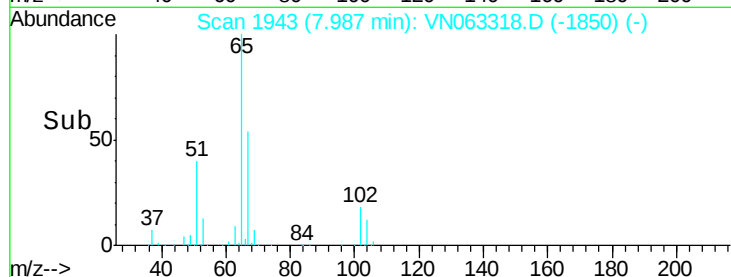
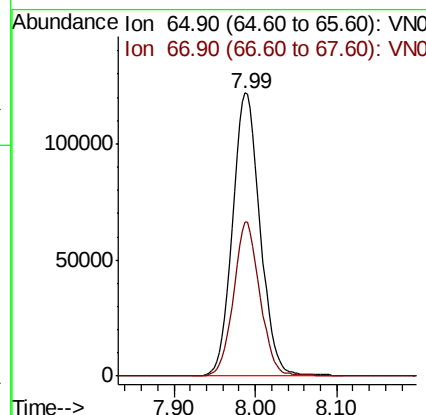
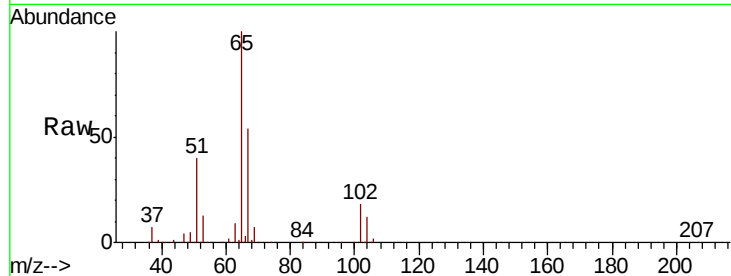




#33
 1,2-Dichloroethane-d4
 Concen: 48.759 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063318.D
 Acq: 11 Sep 2020 16:42

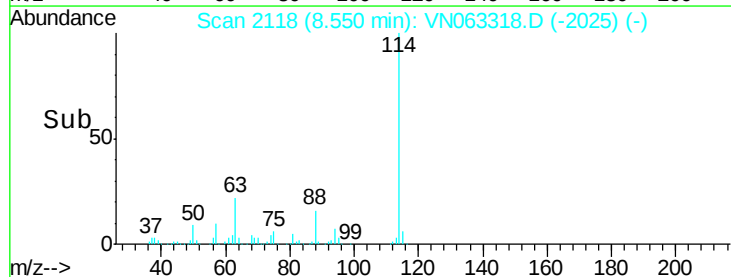
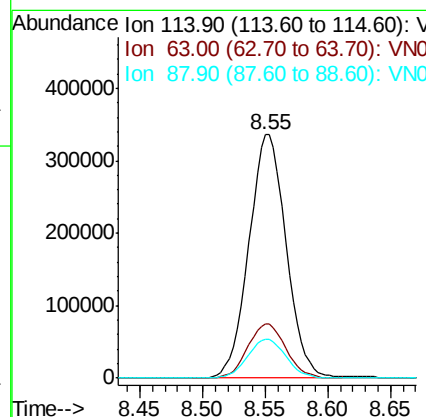
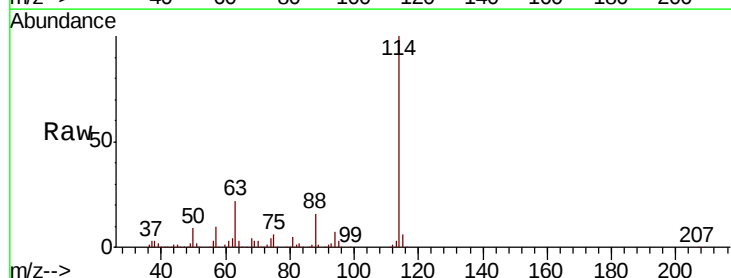
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ133I-20200908

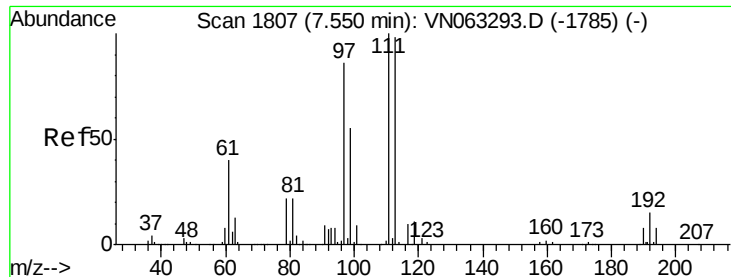
Tot Ion: 65 Resp: 289377
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063318.D
 Acq: 11 Sep 2020 16:42

Tgt Ion: 114 Resp: 696252
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 46.0
 88 16.1 0.0 32.8

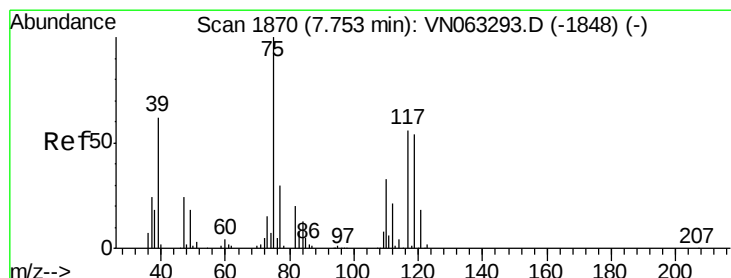
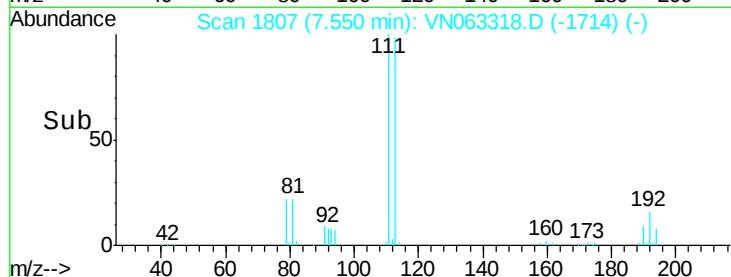
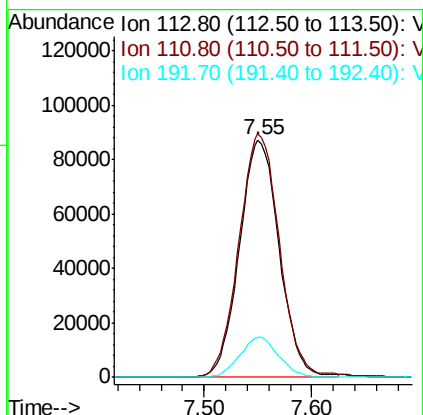
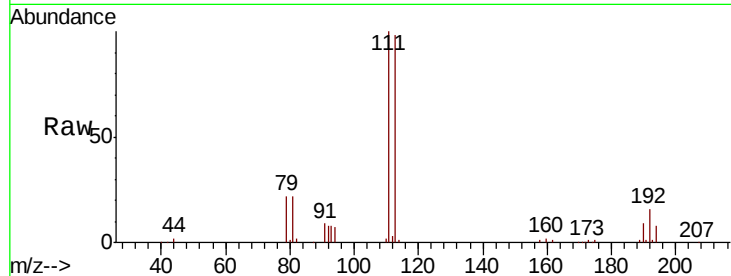




#35
Dibromofluoromethane
Concen: 49.734 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VN063318.D
Acq: 11 Sep 2020 16:42

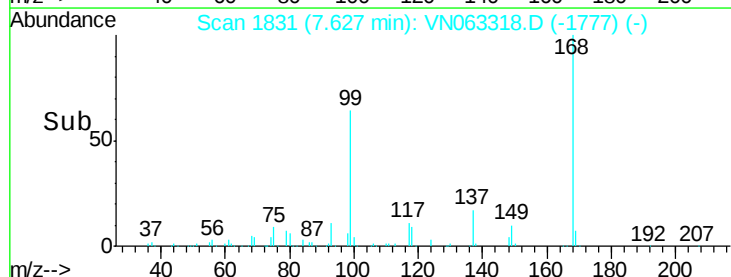
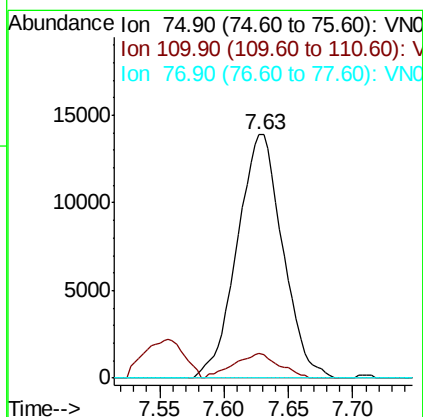
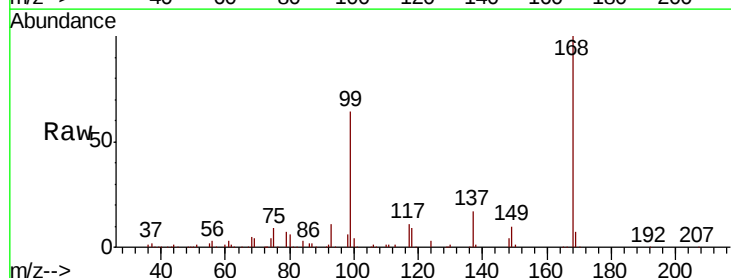
Instrument :
MSVOA_N
ClientSampleId :
SA-PZ1331-20200908

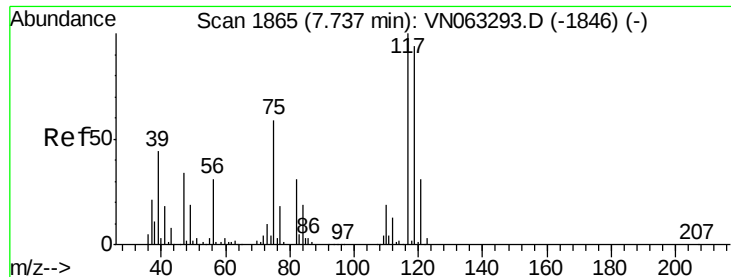
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.2	123.2
192	16.7	12.9	19.3



#36
1,1-Dichloropropene
Concen: 4.772 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN063318.D
Acq: 11 Sep 2020 16:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	16.4	49.4#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 5.808 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063318.D

Acq: 11 Sep 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ1331-20200908

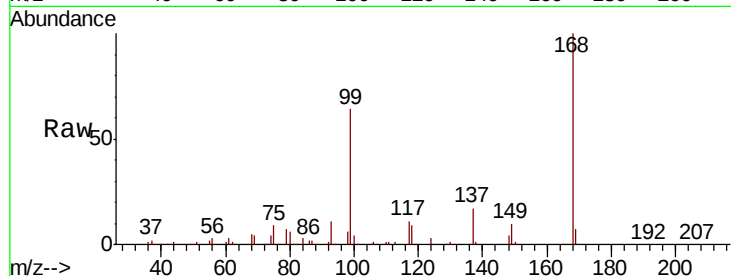
Tot Ion:117 Resp: 40910

Ion Ratio Lower Upper

117 100

119 4.0 75.3 112.9#

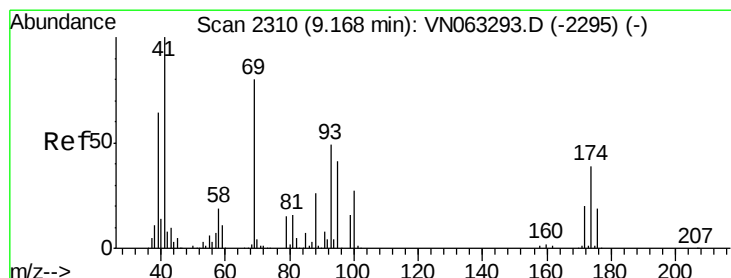
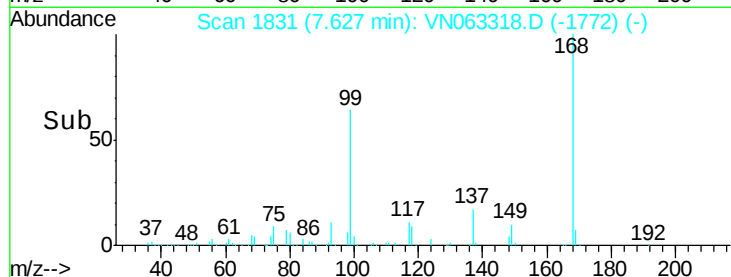
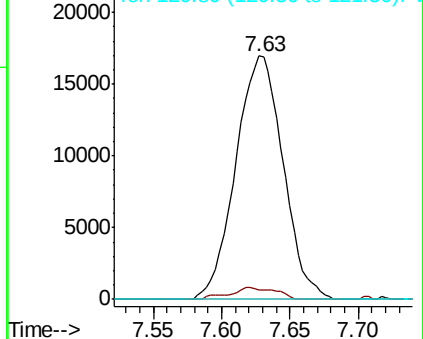
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.341 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN063318.D

Acq: 11 Sep 2020 16:42

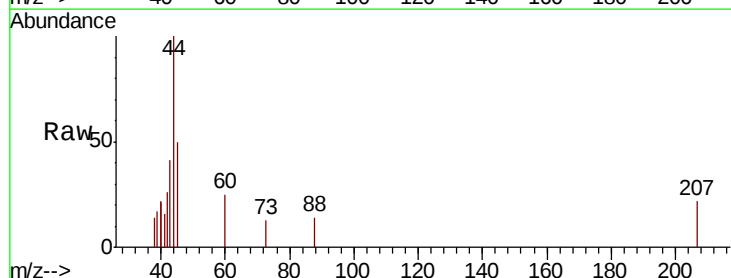
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 156.7 30.5 45.7#

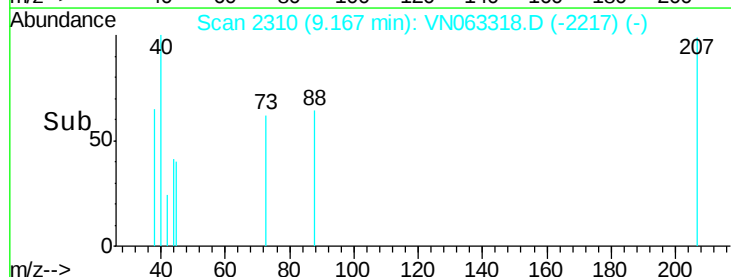
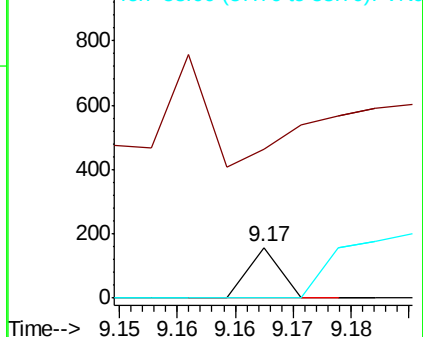
58 456.7 58.9 88.3#

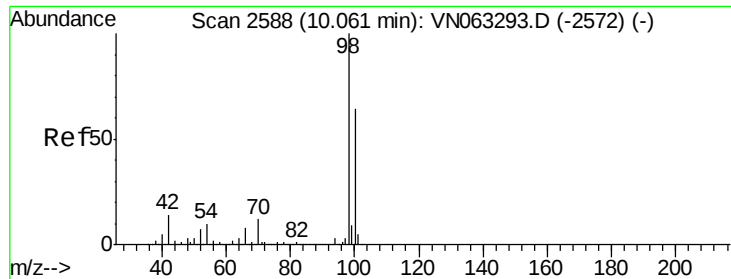


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 52.195 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN063318.D

Acq: 11 Sep 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

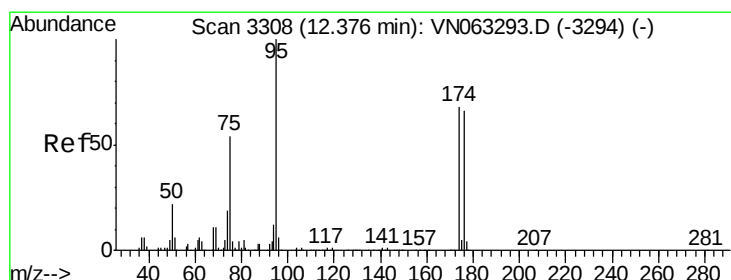
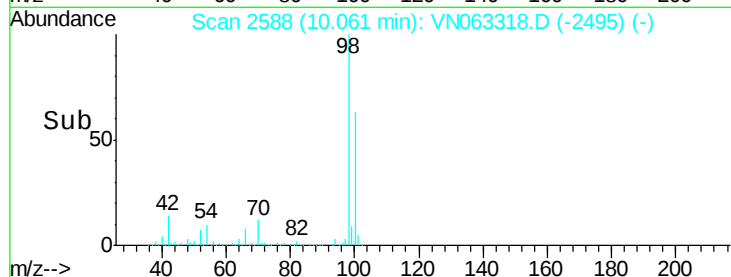
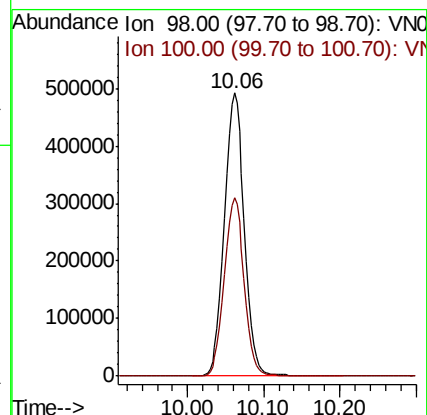
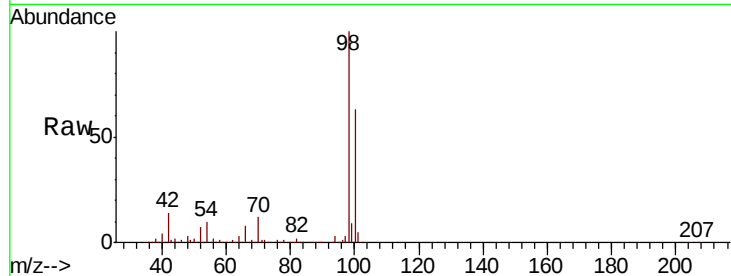
SA-PZ133I-20200908

Tot Ion: 98 Resp: 898448

Ion Ratio Lower Upper

98 100

100 62.9 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 52.288 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063318.D

Acq: 11 Sep 2020 16:42

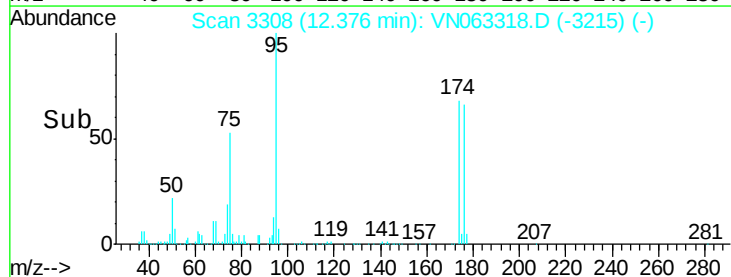
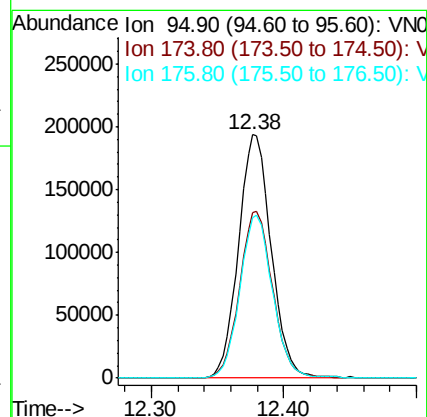
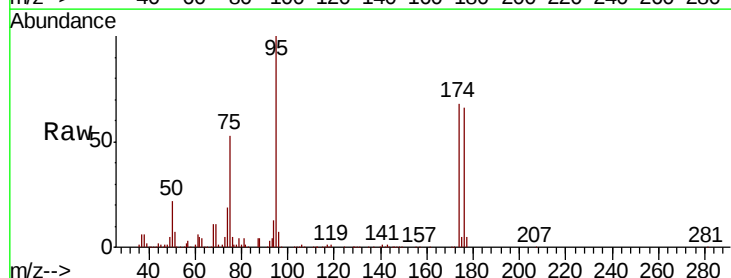
Tgt Ion: 95 Resp: 332437

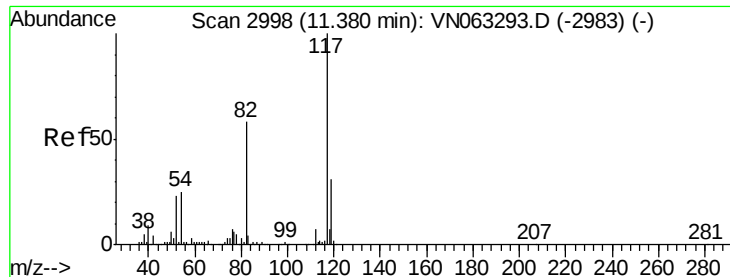
Ion Ratio Lower Upper

95 100

174 69.2 0.0 136.6

176 67.2 0.0 132.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2999

Delta R.T. 0.00 min

Lab File: VN063318.D

Acq: 11 Sep 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ1331-20200908

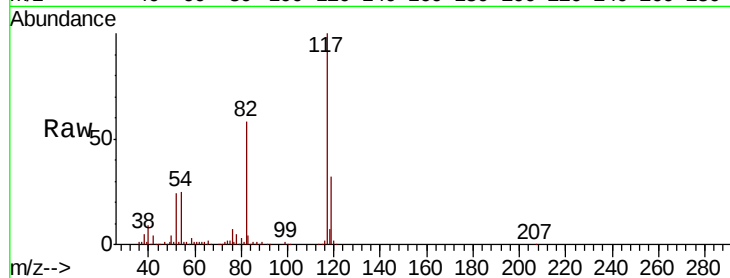
Tot Ion:117 Resp: 681581

Ion Ratio Lower Upper

117 100

82 57.6 46.4 69.6

119 32.1 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V

11.38

400000

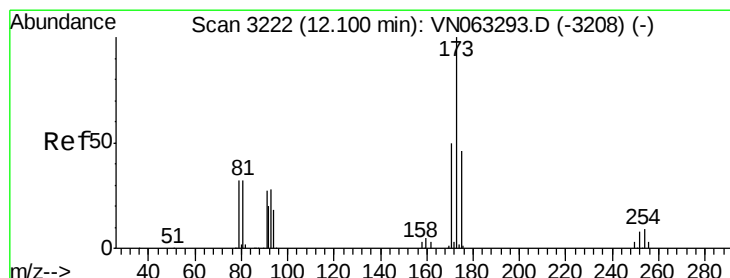
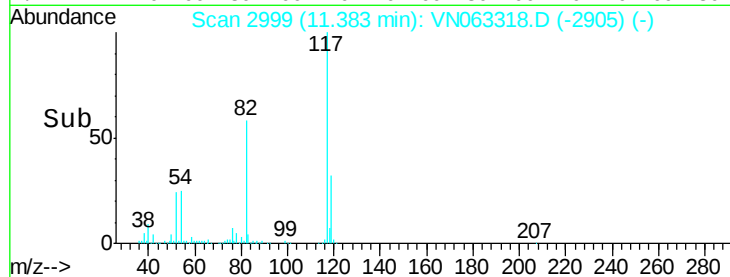
300000

200000

100000

0

Time-->



#71

Bromoform

Concen: 0.379 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN063318.D

Acq: 11 Sep 2020 16:42

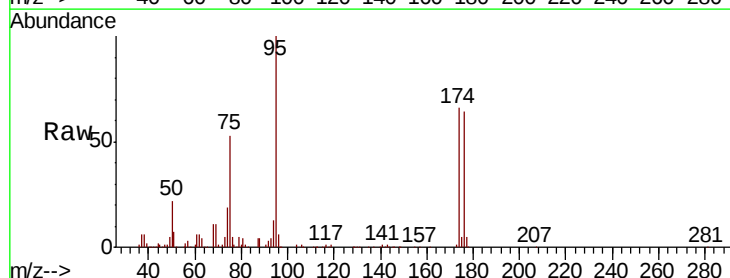
Tgt Ion:173 Resp: 1403

Ion Ratio Lower Upper

173 100

175 973.6 23.8 71.5#

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

12000

10000

8000

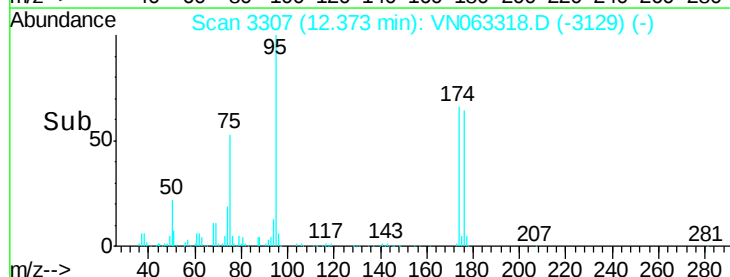
6000

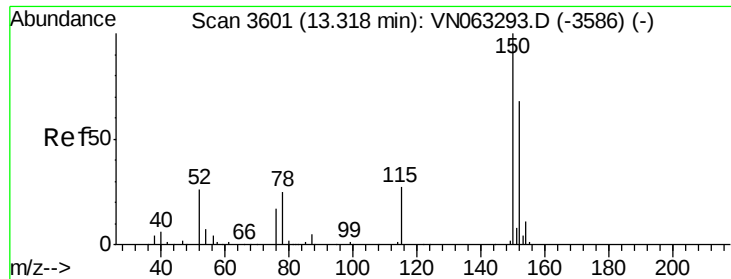
4000

2000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063318.D

Acq: 11 Sep 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ133I-20200908

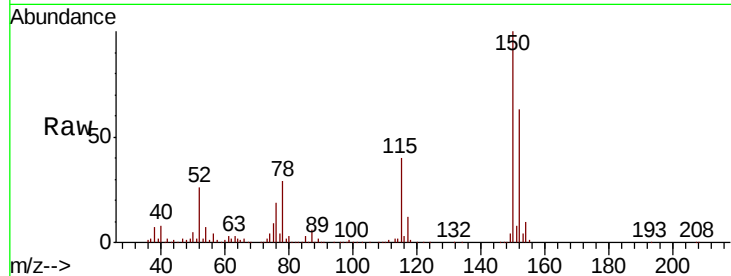
Tot Ion:152 Resp: 277818

Ion Ratio Lower Upper

152 100

115 62.5 31.5 94.5

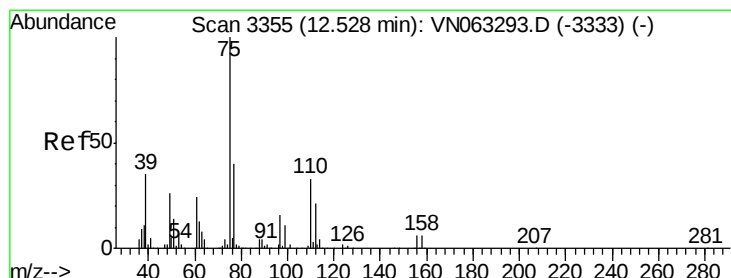
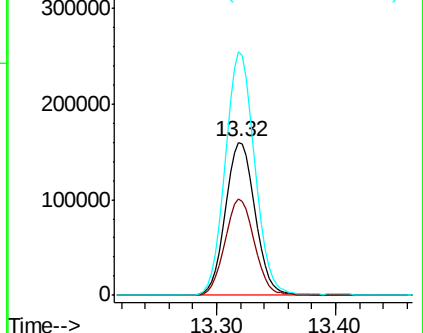
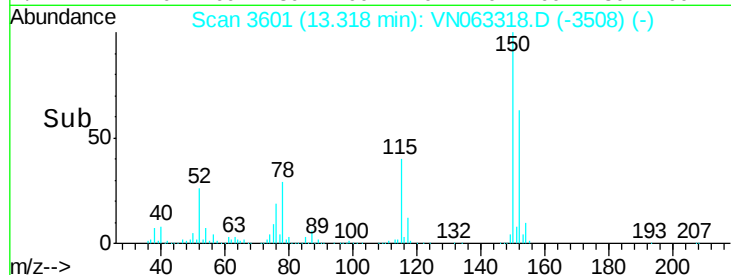
150 157.7 0.0 344.0



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: 29.279 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063318.D

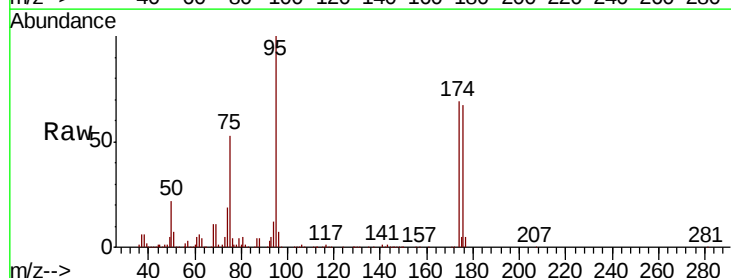
Acq: 11 Sep 2020 16:42

Tgt Ion: 75 Resp: 179456

Ion Ratio Lower Upper

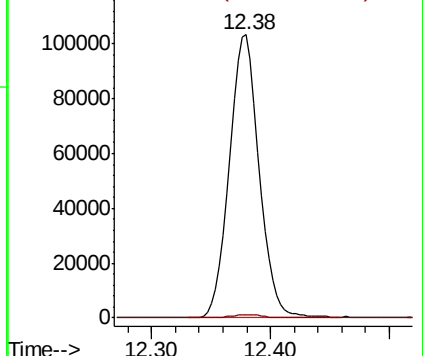
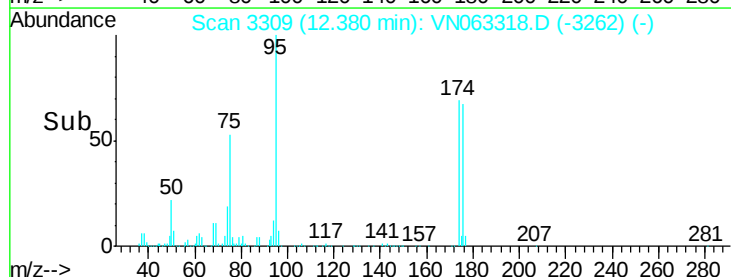
75 100

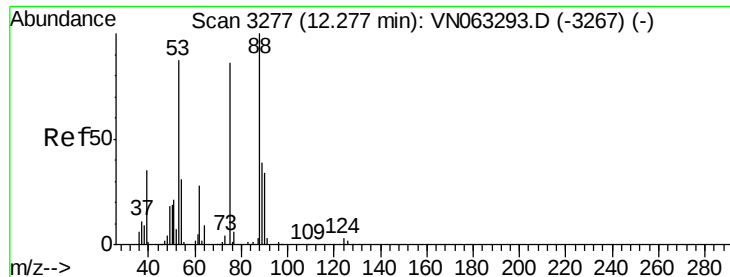
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

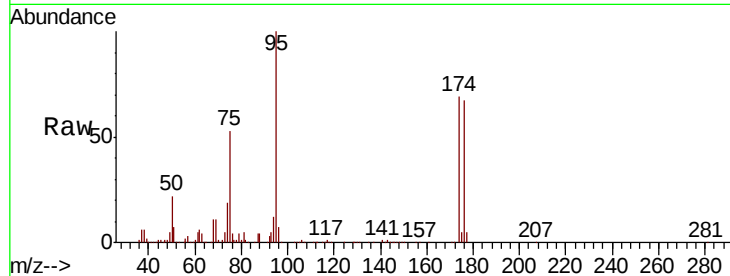




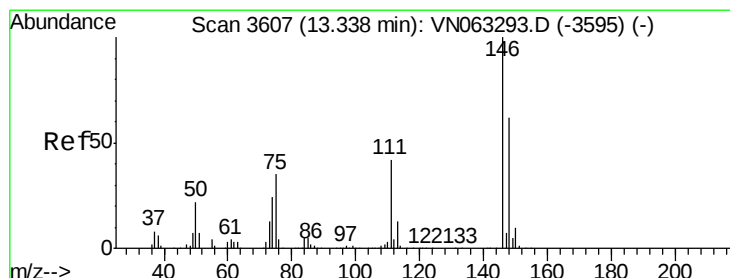
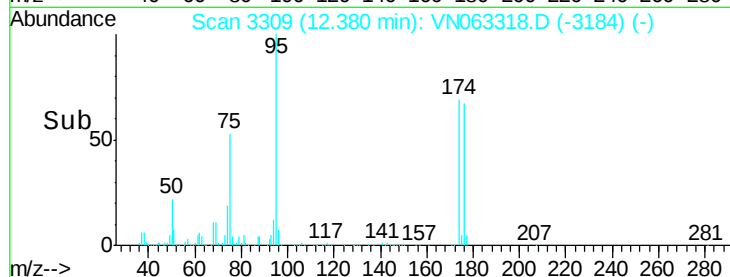
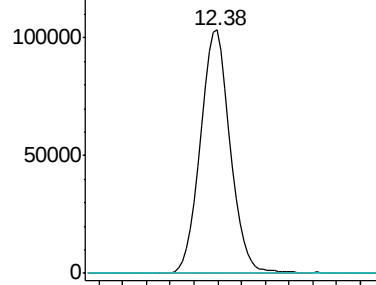
#81
trans-1,4-Dichloro-2-butene
Concen: 78.668 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.10 min
Lab File: VN063318.D
Acq: 11 Sep 2020 16:42

Instrument :
MSVOA_N
ClientSampleId :
SA-PZ133I-20200908

Tot Ion: 75 Resp: 179456
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8#
89 0.0 36.7 55.1#

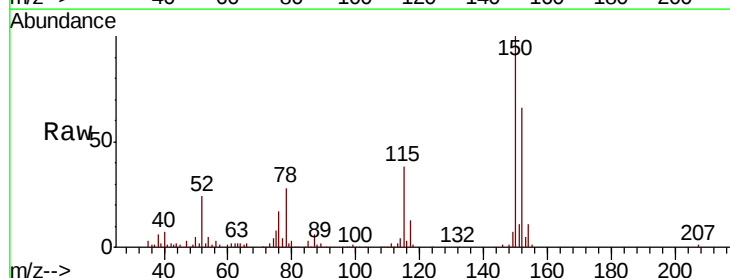


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

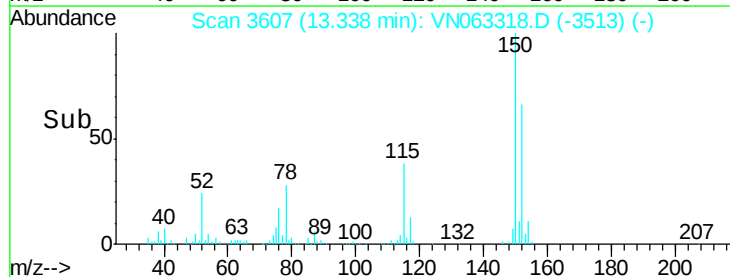
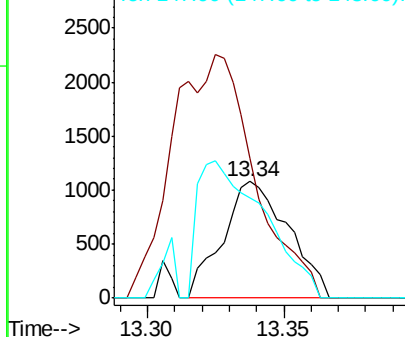


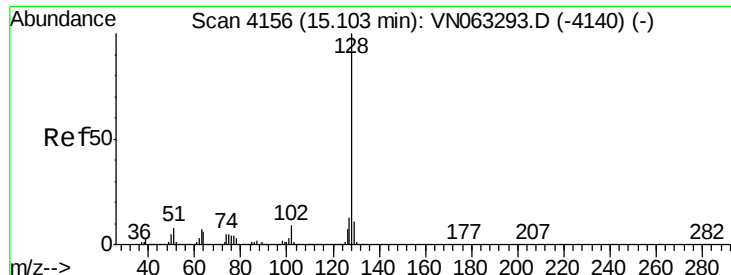
#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.34 min Scan# 3607
Delta R.T. 0.00 min
Lab File: VN063318.D
Acq: 11 Sep 2020 16:42

Tgt Ion: 146 Resp: 1801
Ion Ratio Lower Upper
146 100
111 262.7 21.3 64.0#
148 119.7 31.5 94.5#



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#95

Naphthalene

Concen: Below Cal

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063318.D

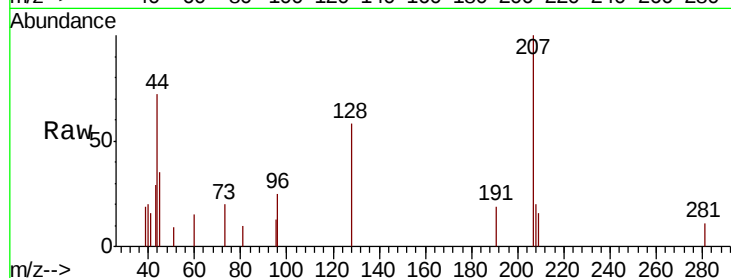
Acq: 11 Sep 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ133I-20200908



Tot Ion:	128	Resp:	2251
Ion	Ratio	Lower	Upper
128	100		
127	8.2	10.3	15.5#
129	0.0	8.6	12.8#

