

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091120\
 Data File : VN063319.D
 Acq On : 11 Sep 2020 17:06
 Operator : JC/MD
 Sample : L3988-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ13311-20200908

Quant Time: Sep 12 00:42:26 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	374795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	708211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	688422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	277456	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	293673	49.87	ug/l	0.00
Spiked Amount						
			Recovery	=	99.74%	
35) Dibromofluoromethane	7.55	113	224240	49.08	ug/l	0.00
Spiked Amount						
			Recovery	=	98.16%	
50) Toluene-d8	10.06	98	893340	51.02	ug/l	0.00
Spiked Amount						
			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.38	95	336435	52.02	ug/l	0.00
Spiked Amount						
			Recovery	=	104.04%	

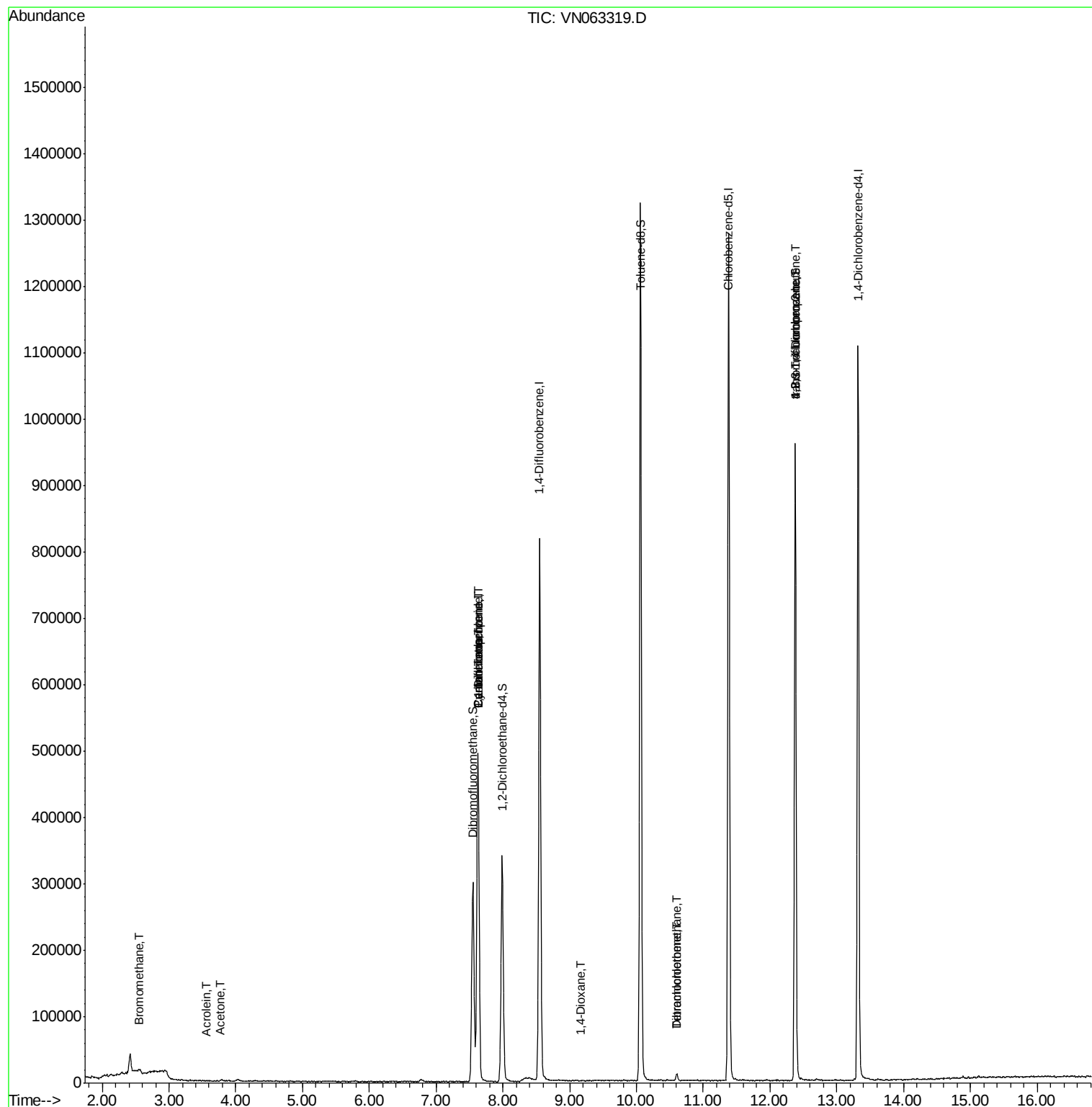
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2489	Below Cal		91
5) Bromomethane	2.54	94	956	0.269 ug/l #		67
13) Acrolein	3.55	56	29	32.517 ug/l #		1
16) Acetone	3.77	43	753	0.370 ug/l		93
17) Carbon Disulfide	4.01	76	604	Below Cal #		75
20) Methylene Chloride	4.49	84	195	Below Cal #		23
31) Cyclohexane	7.62	56	10205	1.236 ug/l #		8
36) 1,1-Dichloropropene	7.62	75	34031	4.675 ug/l #		47
38) Carbon Tetrachloride	7.63	117	40747	5.687 ug/l #		16
49) 1,4-Dioxane	9.17	88	61	0.681 ug/l #		1
60) Dibromochloromethane	10.61	129	2058	0.377 ug/l #		10
64) Tetrachloroethene	10.60	164	2259	0.401 ug/l		88
76) 1,2,3-Trichloropropane	12.38	75	183294	29.945 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.38	75	183294	80.456 ug/l #		9
88) 1,4-Dichlorobenzene	13.34	146	3039	Below Cal #		23
95) Naphthalene	15.12	128	1468	Below Cal #		75

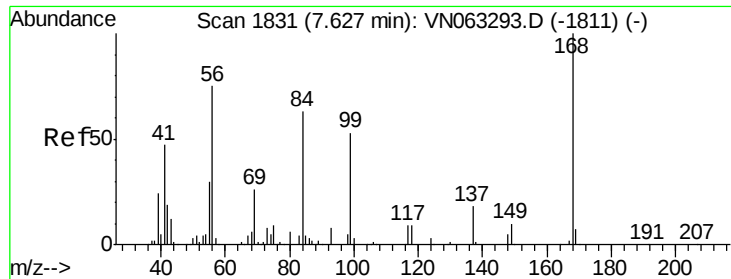
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 11 06:02:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063319.D

Acq: 11 Sep 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

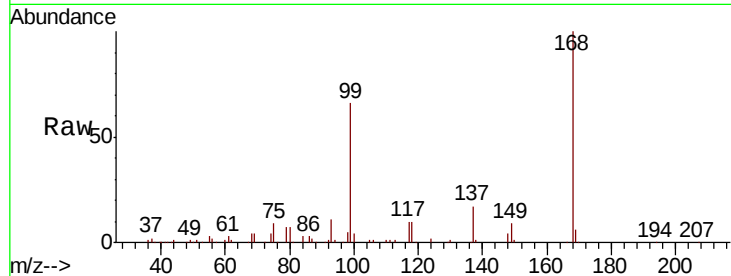
SA-PZ13311-20200908

Tot Ion:168 Resp: 374795

Ion Ratio Lower Upper

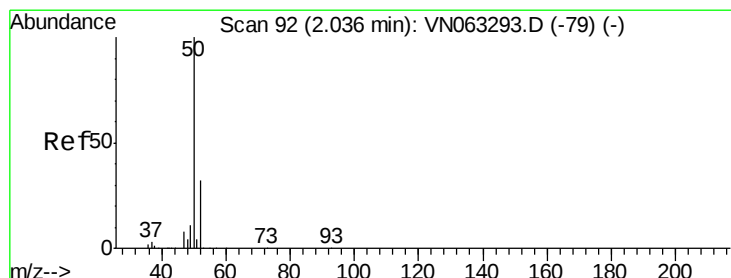
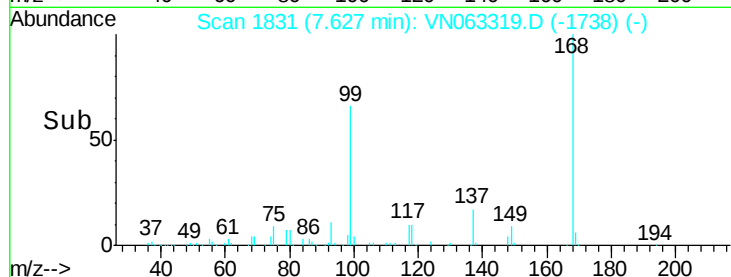
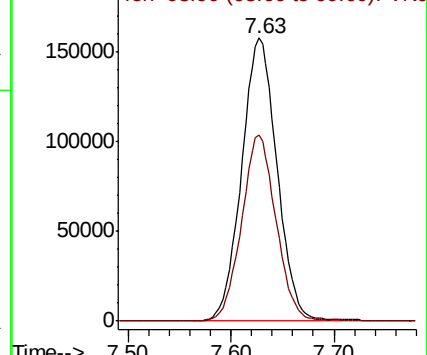
168 100

99 65.9 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063319.D

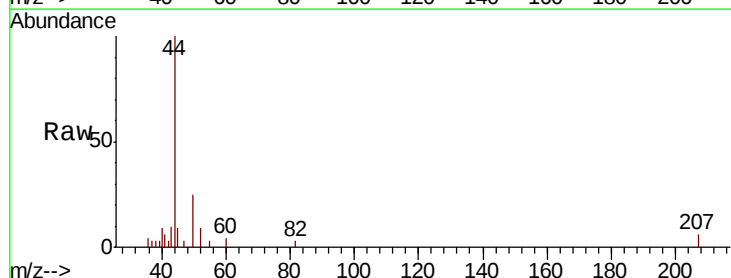
Acq: 11 Sep 2020 17:06

Tgt Ion: 50 Resp: 2489

Ion Ratio Lower Upper

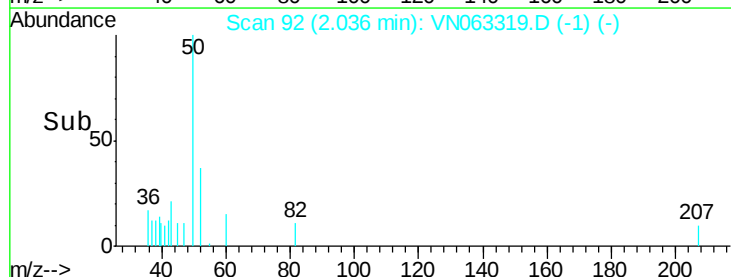
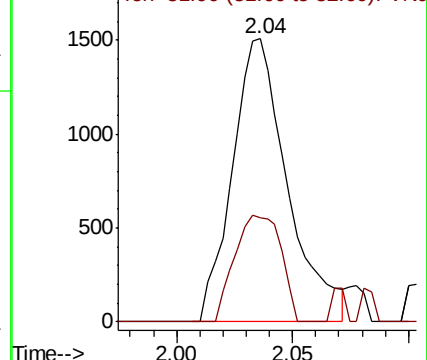
50 100

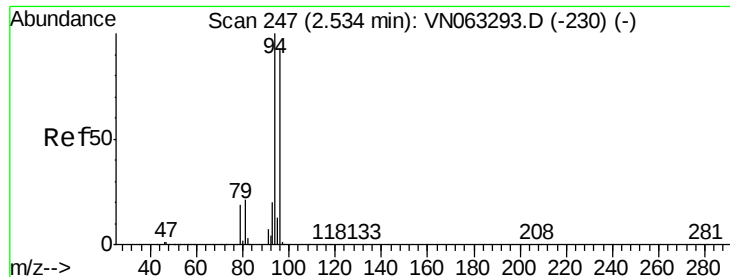
52 36.9 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 0.269 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN063319.D

Acq: 11 Sep 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

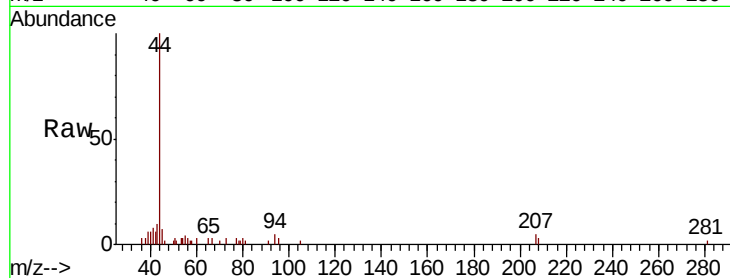
SA-PZ13311-20200908

Tot Ion: 94 Resp: 956

Ion Ratio Lower Upper

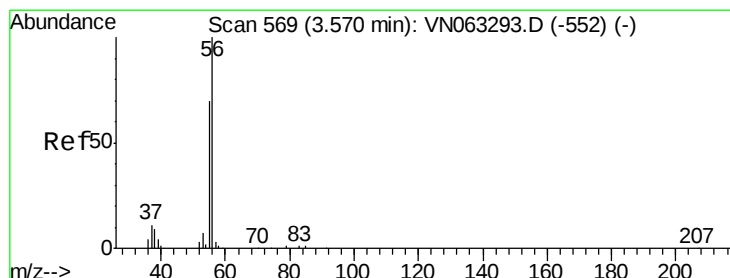
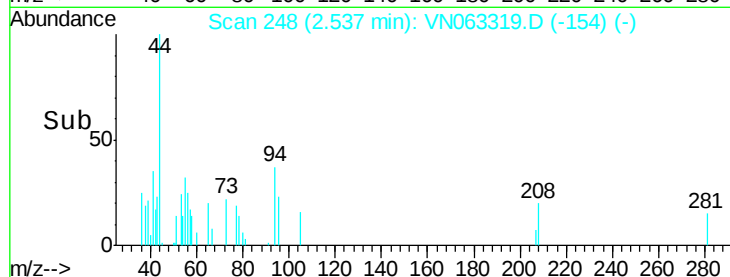
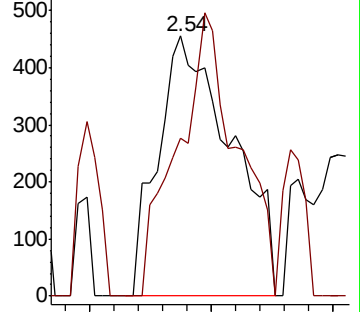
94 100

96 60.9 74.3 111.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#13

Acrolein

Concen: 32.517 ug/l

RT: 3.55 min Scan# 564

Delta R.T. -0.02 min

Lab File: VN063319.D

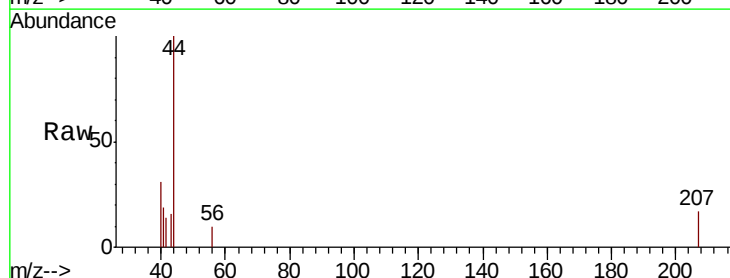
Acq: 11 Sep 2020 17:06

Tgt Ion: 56 Resp: 29

Ion Ratio Lower Upper

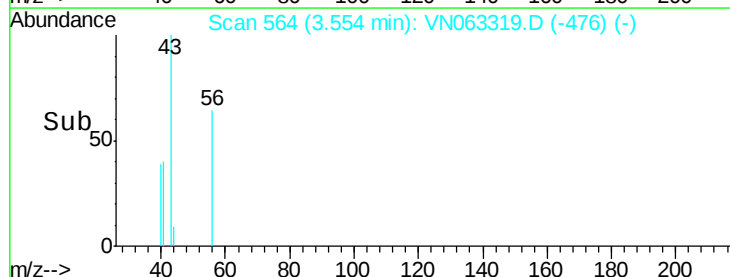
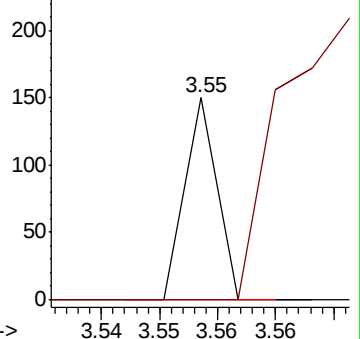
56 100

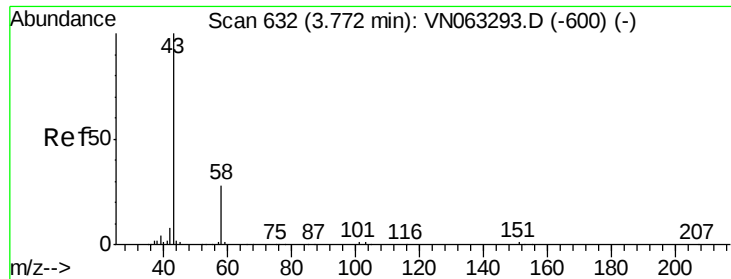
55 658.6 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

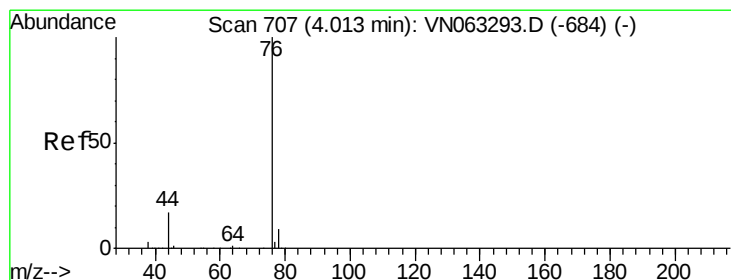
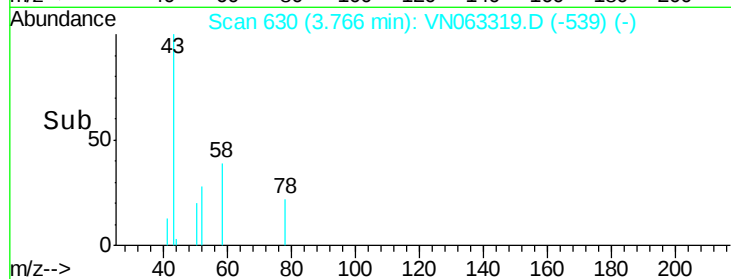
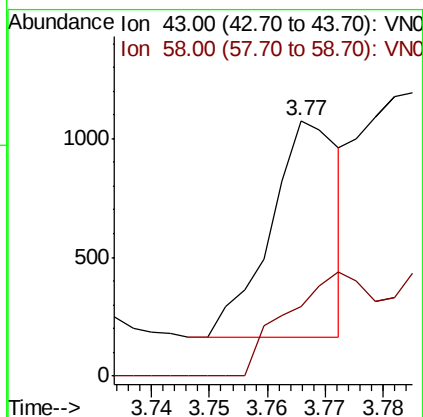
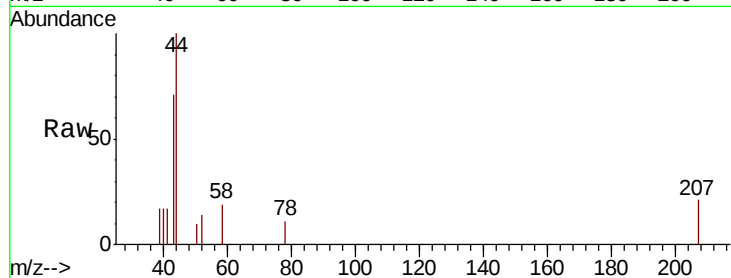




#16
Acetone
Concen: 0.370 ug/l
RT: 3.77 min Scan# 630
Delta R.T. -0.01 min
Lab File: VN063319.D
Acq: 11 Sep 2020 17:06

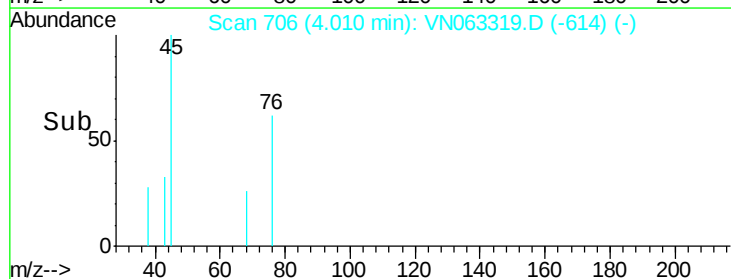
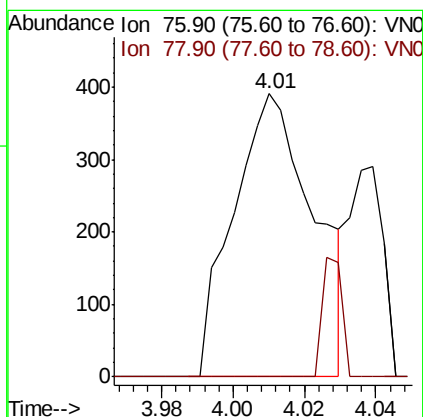
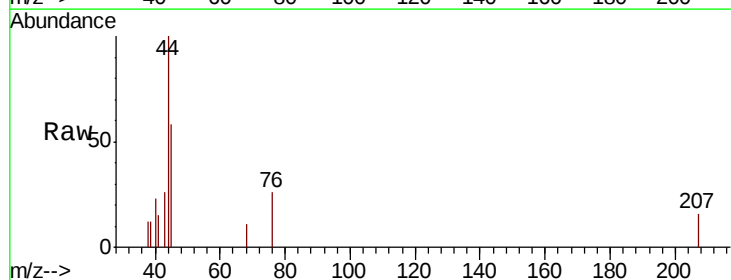
Instrument :
MSVOA_N
ClientSampleId :
SA-PZ13311-20200908

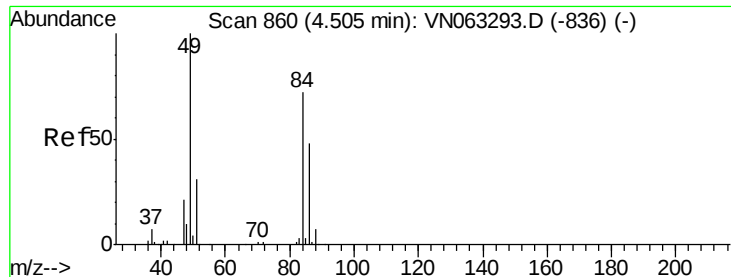
Tot Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
58 32.2 22.6 34.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063319.D
Acq: 11 Sep 2020 17:06

Tgt Ion: 76 Resp: 604
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

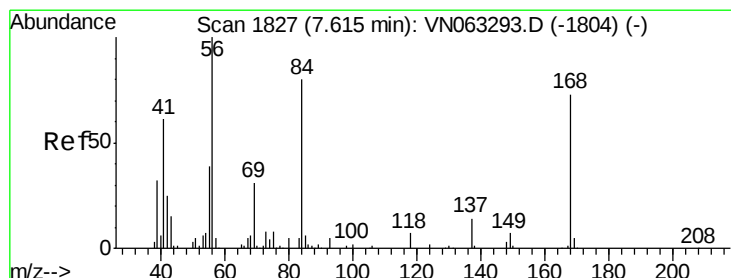
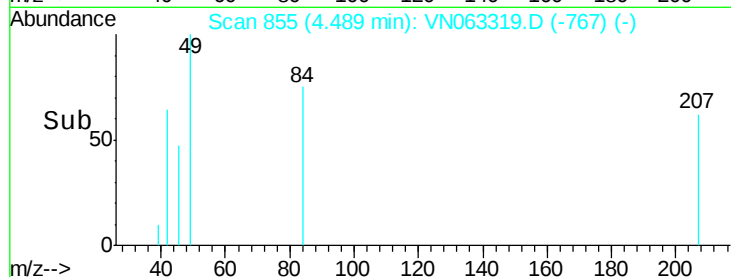
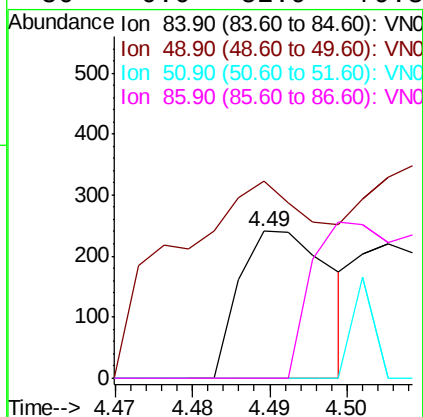
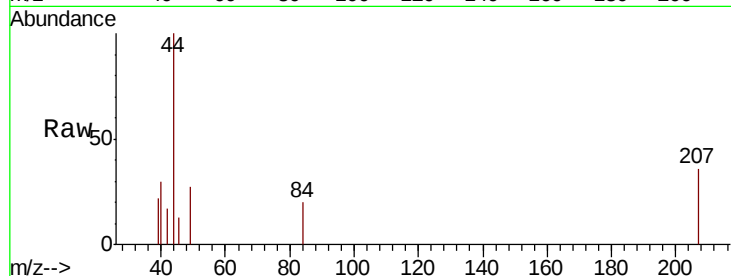




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 855
Delta R.T. -0.02 min
Lab File: VN063319.D
Acq: 11 Sep 2020 17:06

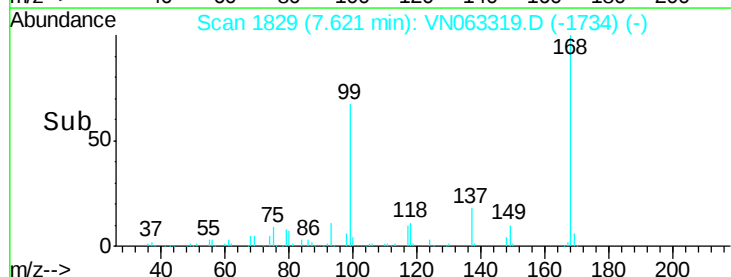
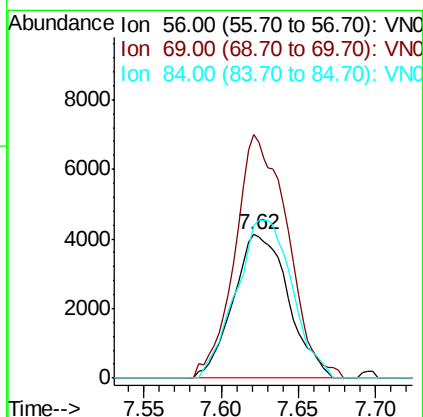
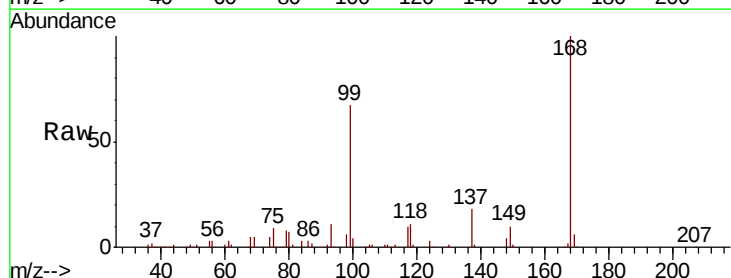
Instrument :
MSVOA_N
ClientSampleId :
SA-PZ13311-20200908

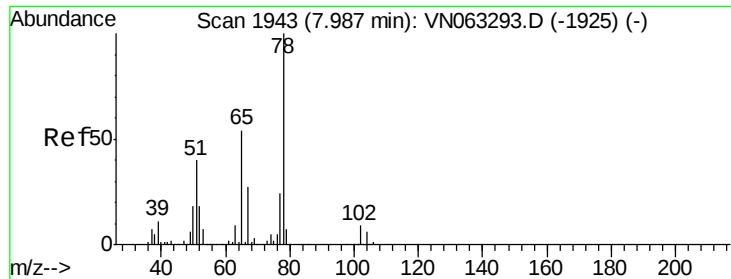
Tot Ion:	84	Resp:	195
Ion	Ratio	Lower	Upper
84	100		
49	46.3	111.1	166.7#
51	0.0	34.3	51.5#
86	0.0	52.9	79.3#



#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063319.D
Acq: 11 Sep 2020 17:06

Tgt Ion:	56	Resp:	10205
Ion	Ratio	Lower	Upper
56	100		
69	169.8	25.1	37.7#
84	106.7	64.2	96.2#





#33

1,2-Dichloroethane-d4

Concen: 49.872 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063319.D

Acq: 11 Sep 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

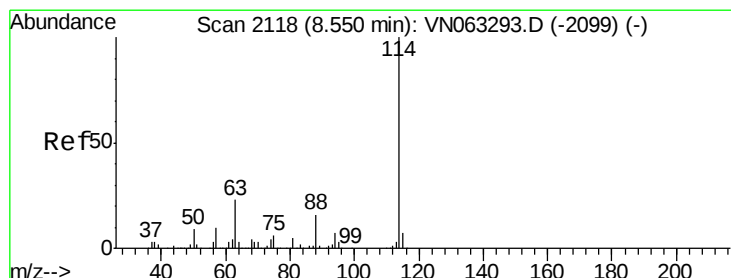
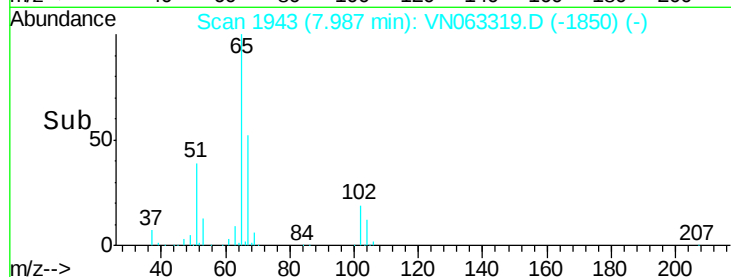
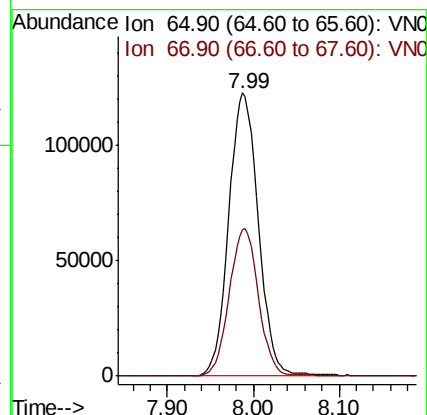
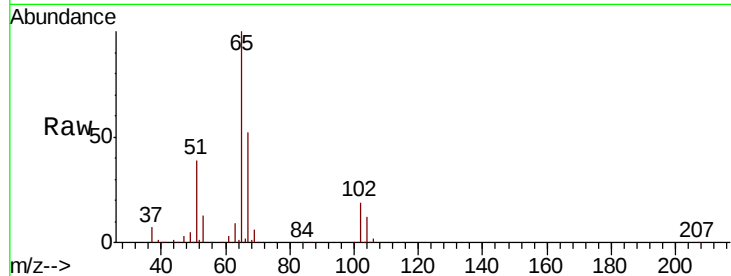
SA-PZ13311-20200908

Tot Ion: 65 Resp: 293673

Ion Ratio Lower Upper

65 100

67 51.1 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: VN063319.D

Acq: 11 Sep 2020 17:06

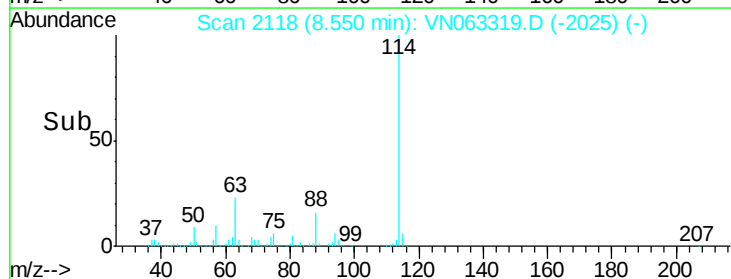
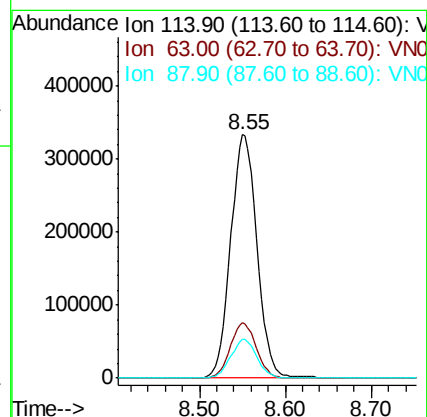
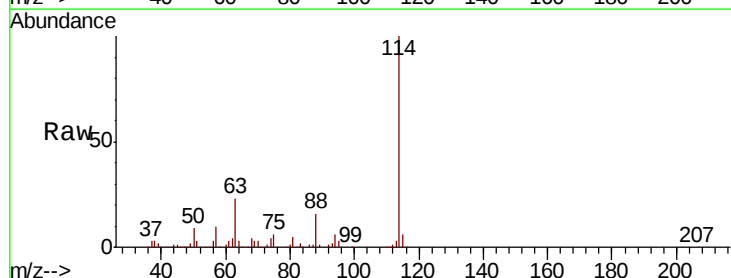
Tgt Ion: 114 Resp: 708211

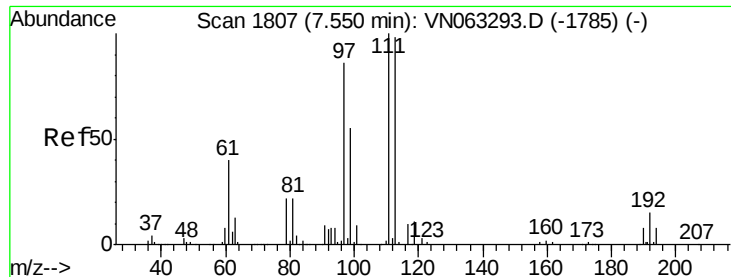
Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.0

88 16.0 0.0 32.8

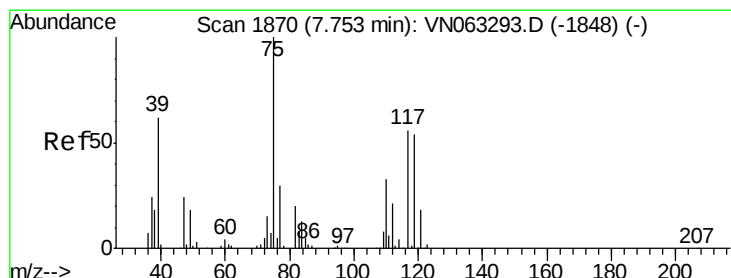
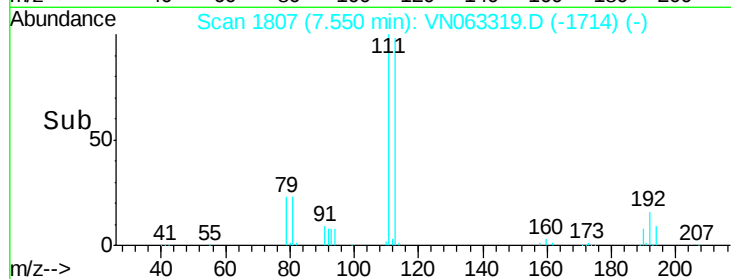
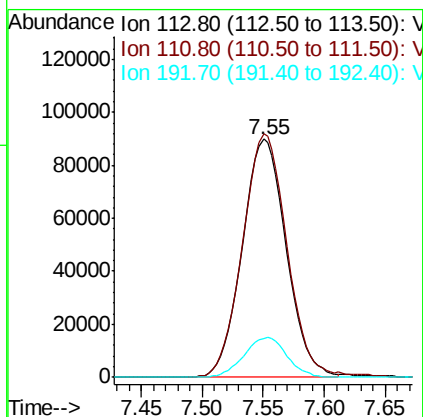
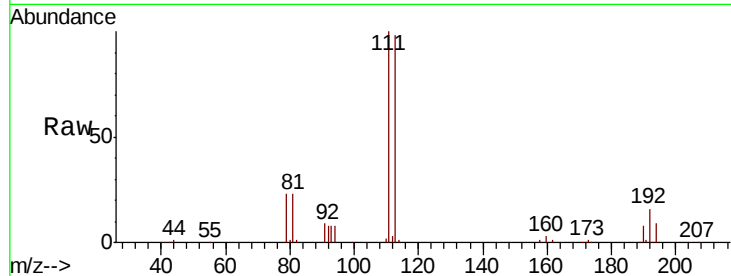




#35
 Dibromofluoromethane
 Concen: 49.080 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063319.D
 Acq: 11 Sep 2020 17:06

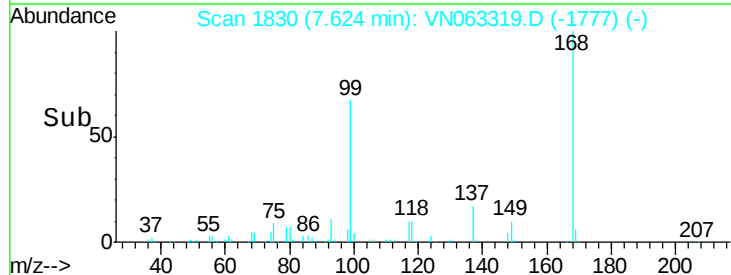
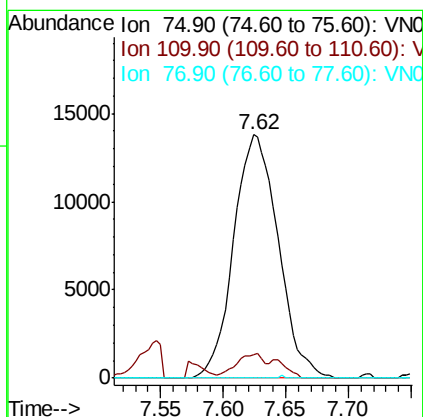
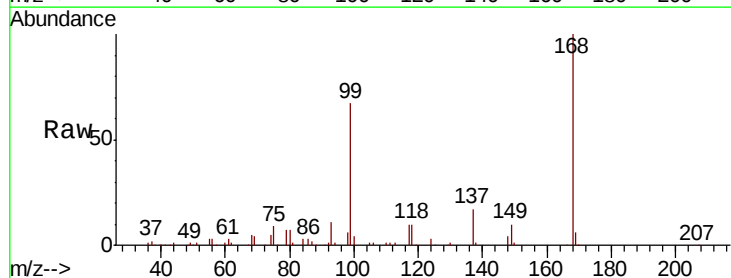
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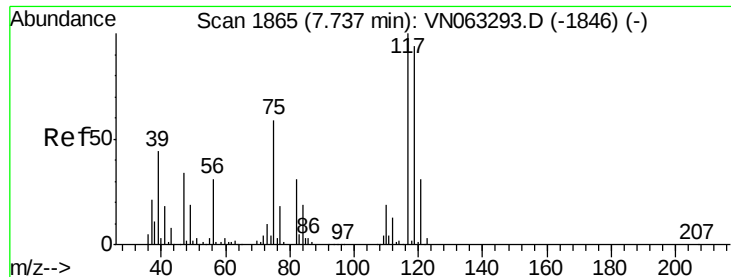
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	16.5	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 4.675 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063319.D
 Acq: 11 Sep 2020 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.3	16.4	49.4#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 5.687 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN063319.D

Acq: 11 Sep 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ13311-20200908

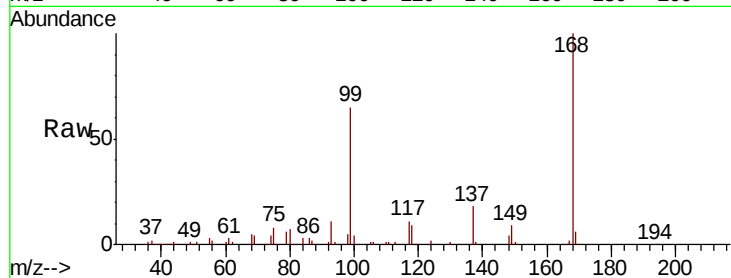
Tot Ion:117 Resp: 40747

Ion Ratio Lower Upper

117 100

119 4.7 75.3 112.9#

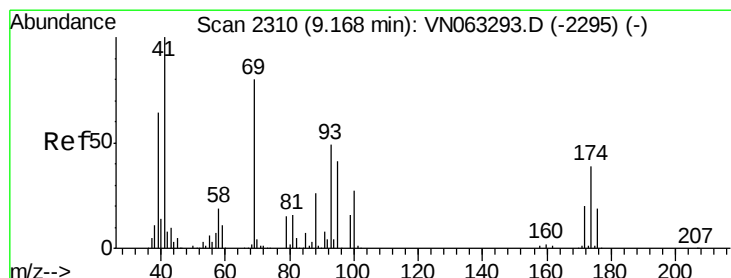
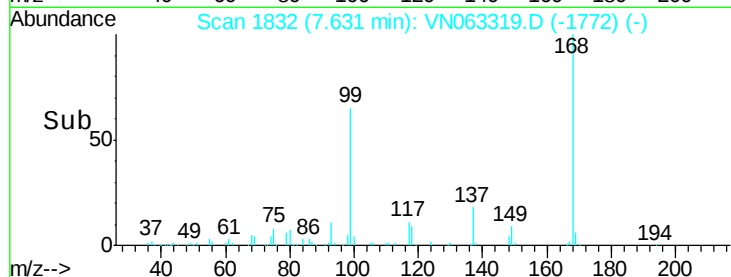
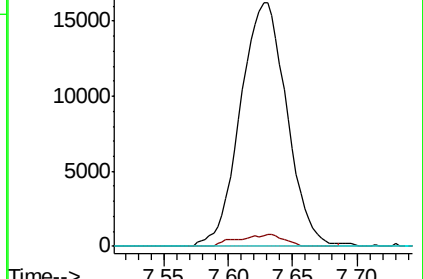
121 0.0 24.6 37.0#



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: 0.681 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN063319.D

Acq: 11 Sep 2020 17:06

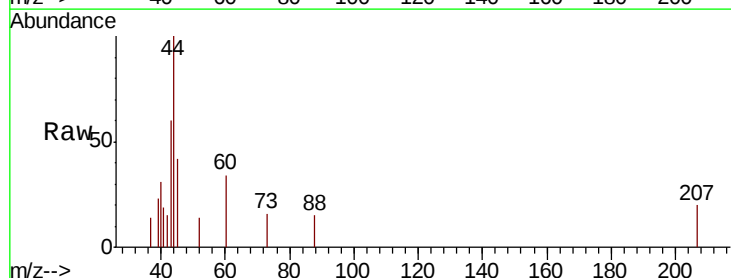
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 514.8 30.5 45.7#

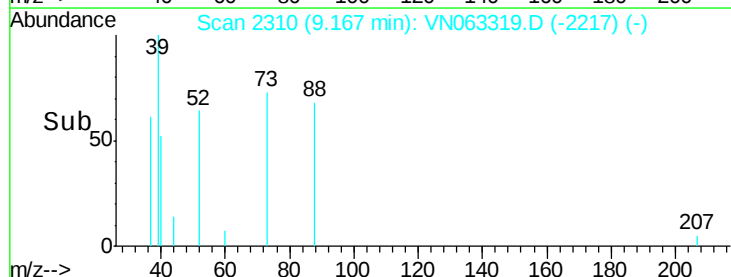
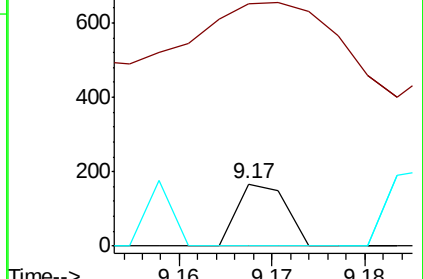
58 55.7 58.9 88.3#

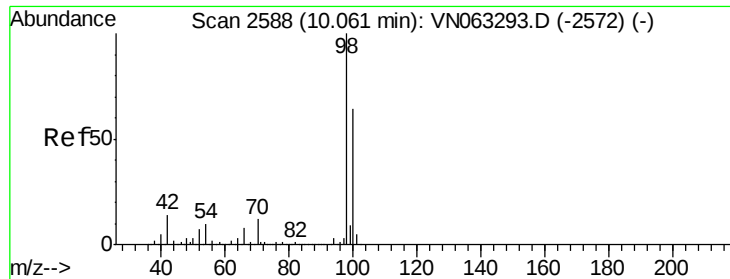


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 51.022 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN063319.D

Acq: 11 Sep 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

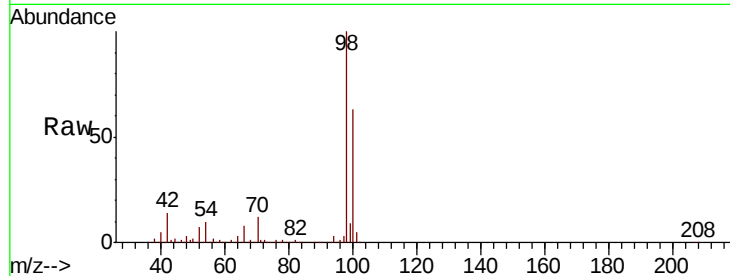
SA-PZ13311-20200908

Tot Ion: 98 Resp: 893340

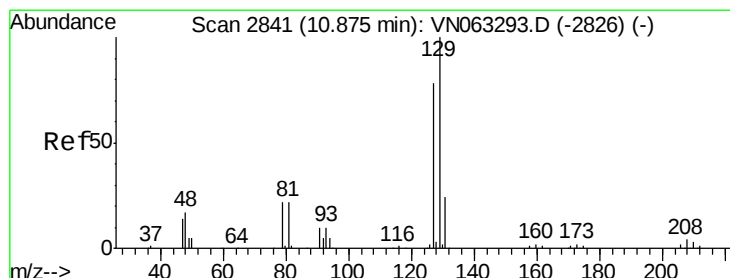
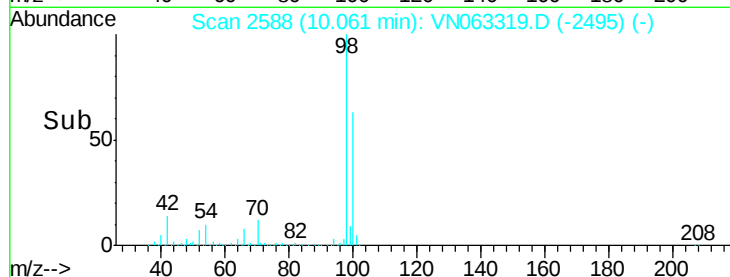
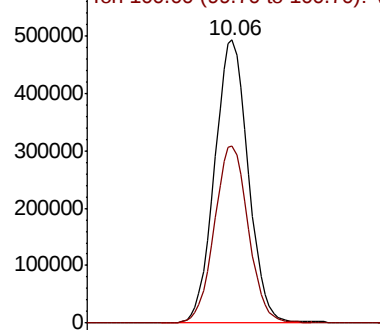
Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063319.D (-2495) (-)



#60

Dibromochloromethane

Concen: 0.377 ug/l

RT: 10.61 min Scan# 2758

Delta R.T. -0.27 min

Lab File: VN063319.D

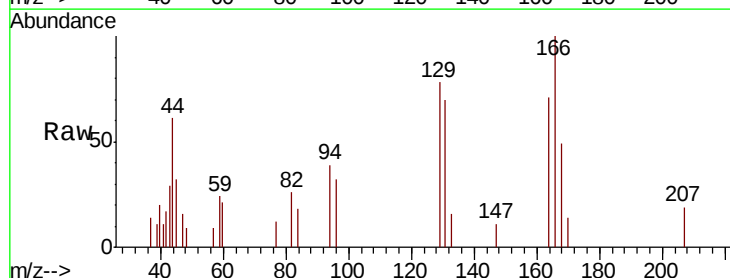
Acq: 11 Sep 2020 17:06

Tgt Ion: 129 Resp: 2058

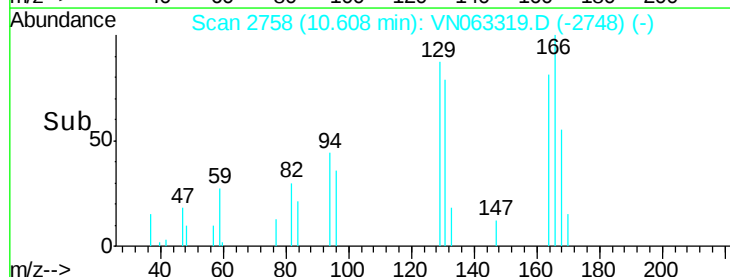
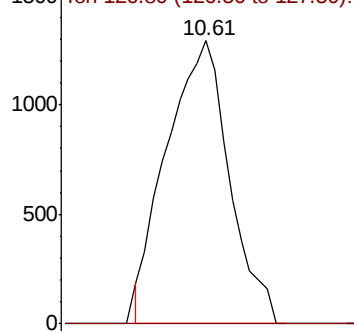
Ion Ratio Lower Upper

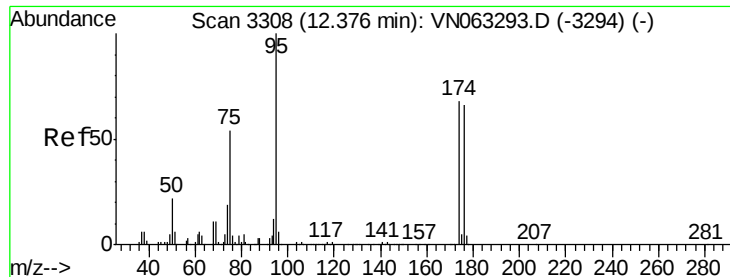
129 100

127 0.0 39.0 117.0#



Abundance Ion 128.80 (128.50 to 129.50): VN063319.D (-2748) (-)





#62

4-Bromofluorobenzene

Concen: 52.024 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063319.D

Acq: 11 Sep 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ13311-20200908

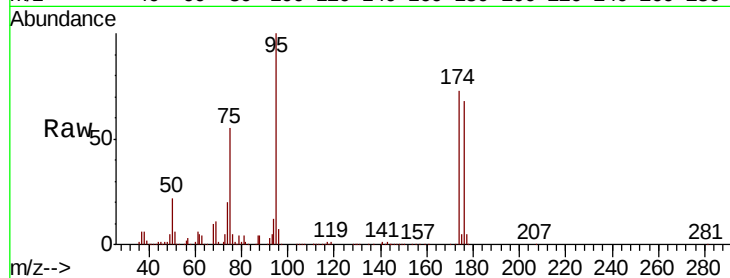
Tot Ion: 95 Resp: 336435

Ion Ratio Lower Upper

95 100

174 71.1 0.0 136.6

176 67.6 0.0 132.8

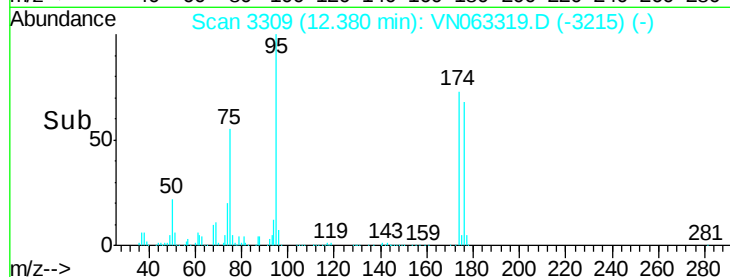


Abundance Ion 94.90 (94.60 to 95.60): VN063319.D (-3215) (-)

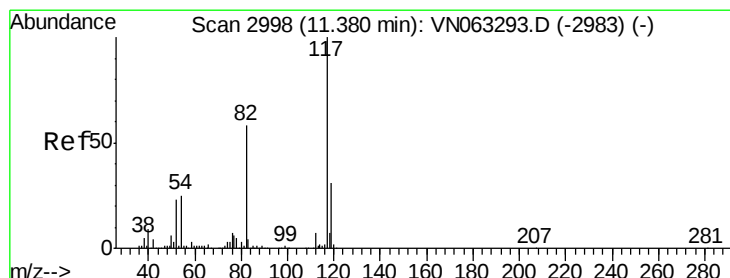
Ion 173.80 (173.50 to 174.50): VN063319.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063319.D (-3215) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063319.D

Acq: 11 Sep 2020 17:06

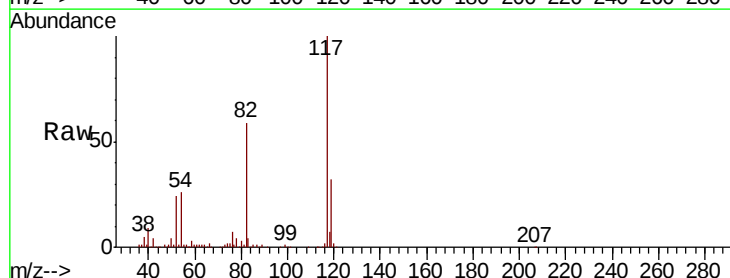
Tgt Ion: 117 Resp: 688422

Ion Ratio Lower Upper

117 100

82 59.0 46.4 69.6

119 32.1 24.8 37.2

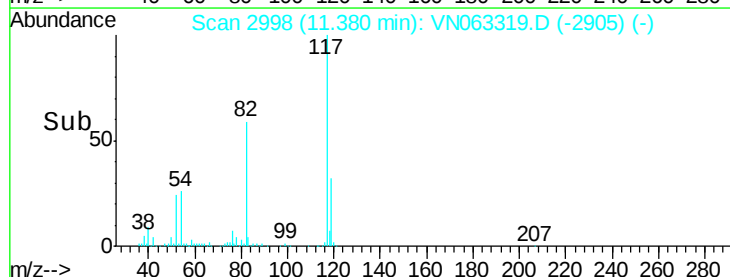


Abundance Ion 116.90 (116.60 to 117.60): VN063319.D (-2905) (-)

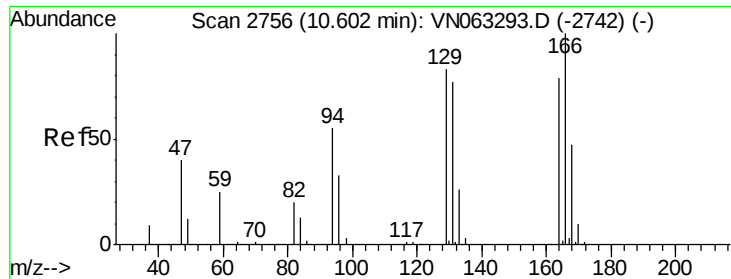
Ion 82.00 (81.70 to 82.70): VN063319.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063319.D (-2905) (-)

Time-->



Time-->



#64

Tetrachloroethene

Concen: 0.401 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN063319.D

Acq: 11 Sep 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ13311-20200908

Tot Ion:164 Resp: 2259

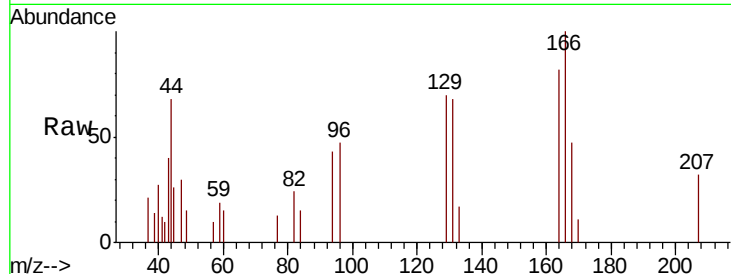
Ion Ratio Lower Upper

164 100

166 122.0 101.3 151.9

129 85.5 83.7 125.5

131 82.4 78.2 117.4

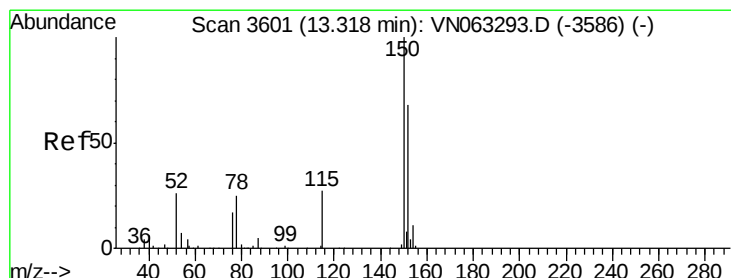
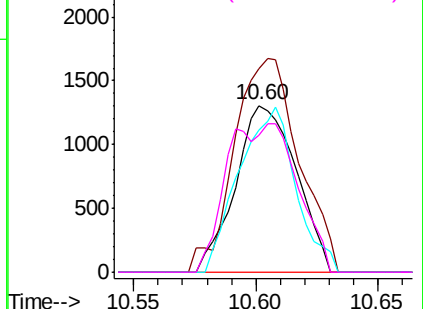
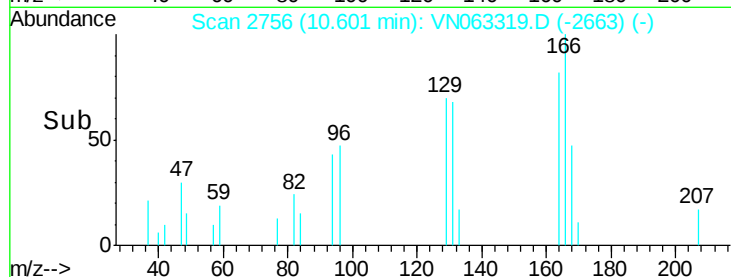


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063319.D

Acq: 11 Sep 2020 17:06

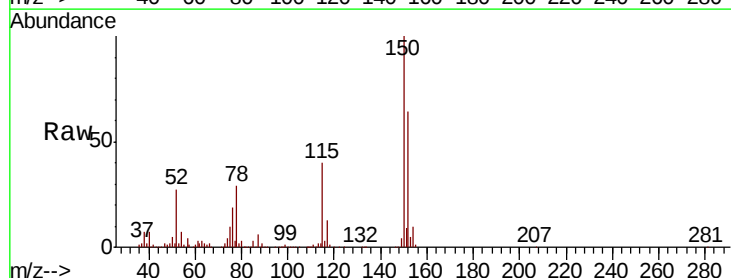
Tgt Ion:152 Resp: 277456

Ion Ratio Lower Upper

152 100

115 64.1 31.5 94.5

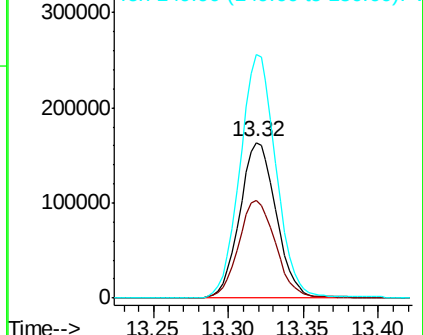
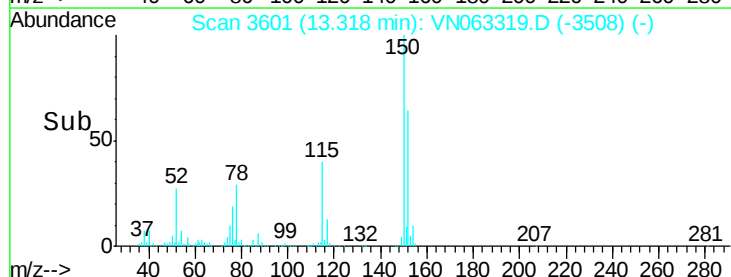
150 156.4 0.0 344.0

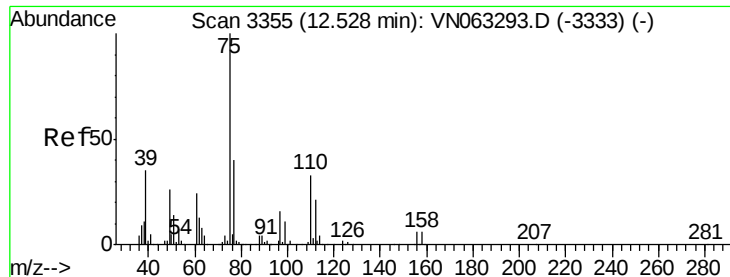


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.945 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063319.D

Acq: 11 Sep 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

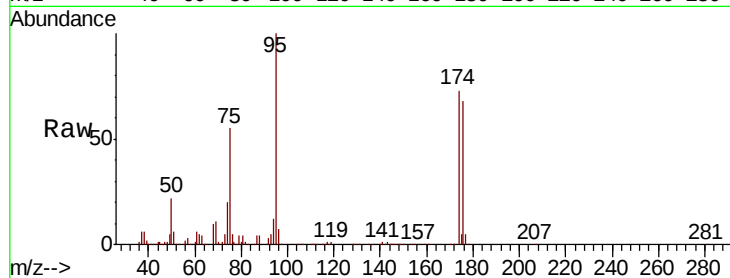
SA-PZ13311-20200908

Tot Ion: 75 Resp: 183294

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

100000

80000

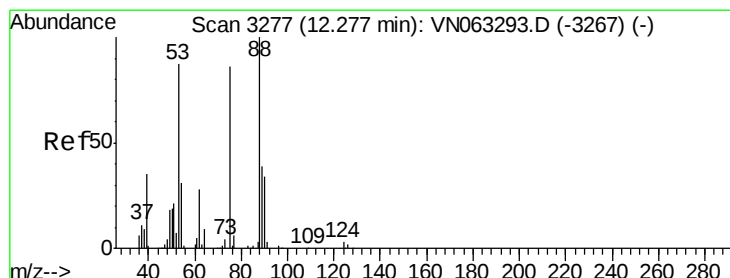
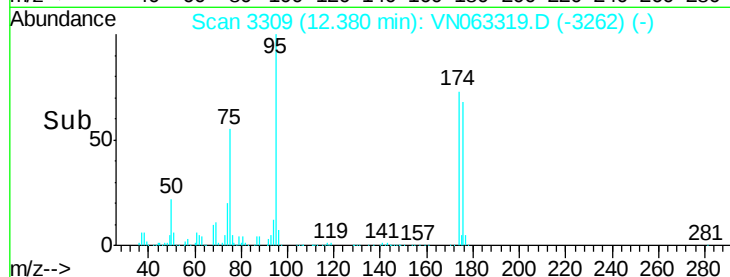
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 80.456 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.10 min

Lab File: VN063319.D

Acq: 11 Sep 2020 17:06

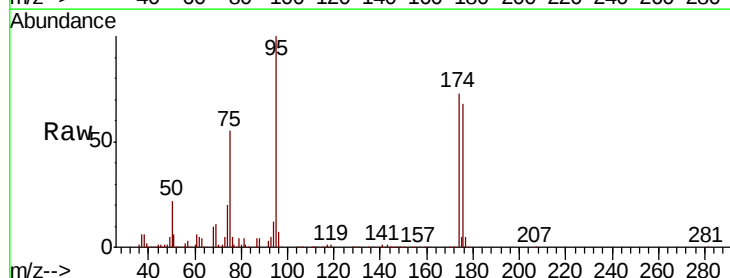
Tgt Ion: 75 Resp: 183294

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

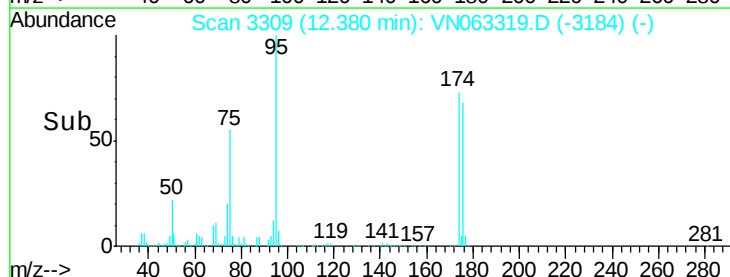
12.38

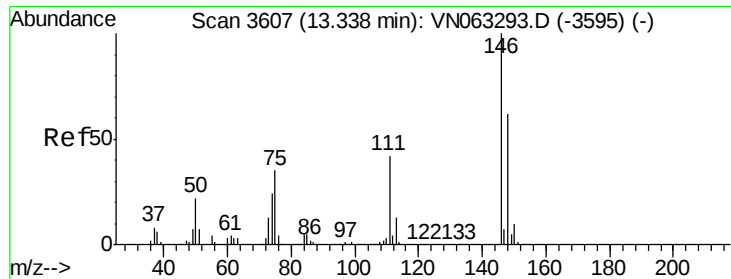
100000

50000

0

Time-->

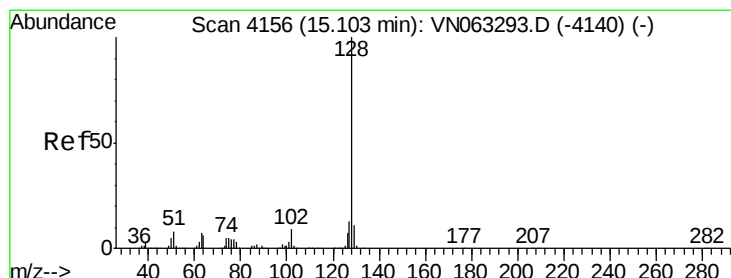
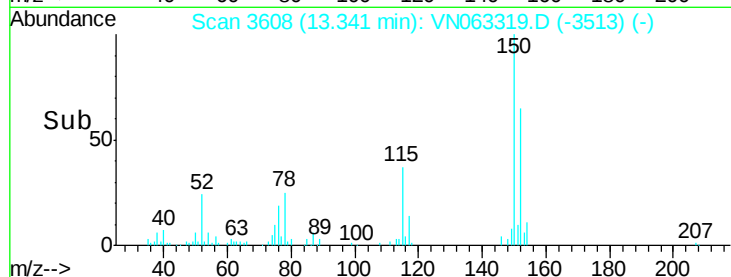
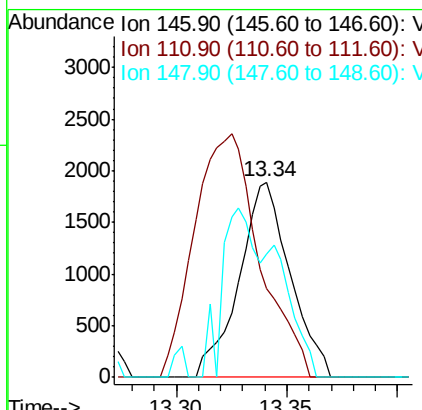
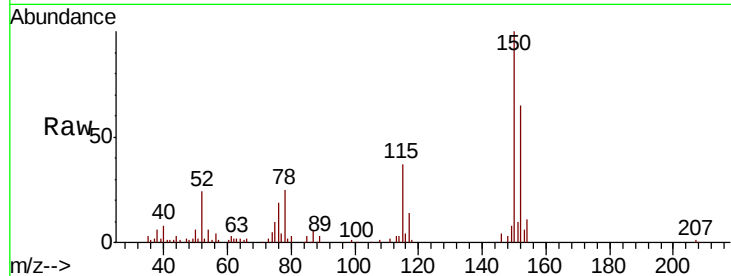




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.34 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VN063319.D
 Acq: 11 Sep 2020 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ13311-20200908

Tot Ion:146 Resp: 3039
 Ion Ratio Lower Upper
 146 100
 111 158.3 21.3 64.0#
 148 57.5 31.5 94.5



#95
 Naphthalene
 Concen: Below Cal
 RT: 15.12 min Scan# 4162
 Delta R.T. 0.02 min
 Lab File: VN063319.D
 Acq: 11 Sep 2020 17:06

Tgt Ion:128 Resp: 1468
 Ion Ratio Lower Upper
 128 100
 127 2.2 10.3 15.5#
 129 2.1 8.6 12.8#

