

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091420\
 Data File : VN063340.D
 Acq On : 14 Sep 2020 14:07
 Operator : JC/MD
 Sample : L3981-03ME 20X
 Misc : 9.80g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B17-7-9ME

Quant Time: Sep 15 05:10:02 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	395788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	735886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	719231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	299949	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	296213	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
35) Dibromofluoromethane	7.55	113	234642	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	10.06	98	935453	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.38	95	354676	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	

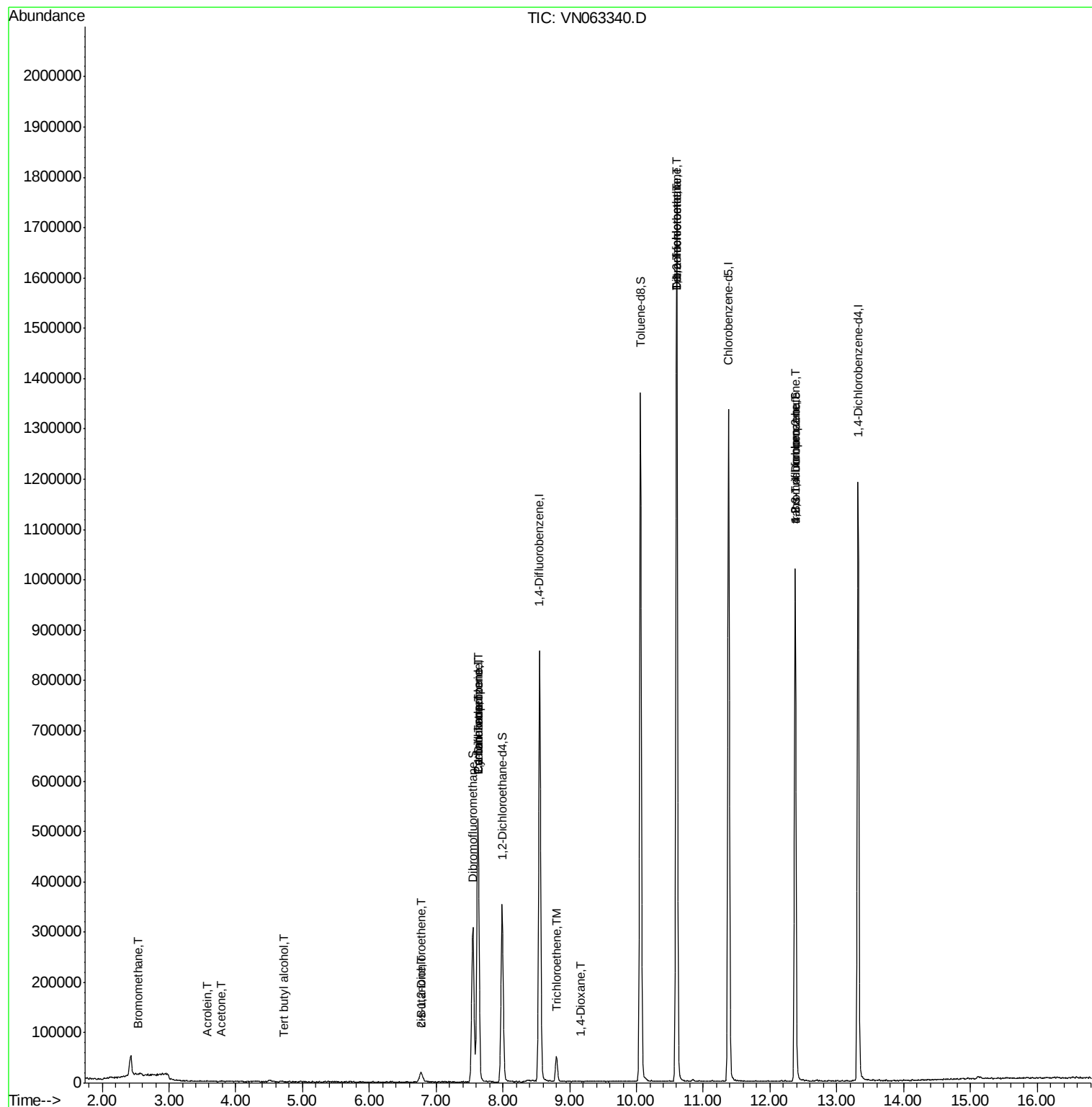
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1457	Below Cal		96
5) Bromomethane	2.54	94	844	0.225 ug/l #		31
11) Tert butyl alcohol	4.73	59	226	0.275 ug/l #		1
13) Acrolein	3.58	56	142	32.733 ug/l		91
16) Acetone	3.78	43	1370	0.638 ug/l #		46
17) Carbon Disulfide	4.02	76	460	Below Cal #		75
20) Methylene Chloride	4.51	84	1485	Below Cal #		41
25) 2-Butanone	6.76	43	923	0.291 ug/l #		51
27) cis-1,2-Dichloroethene	6.78	96	1906	0.337 ug/l		47
31) Cyclohexane	7.63	56	10126	1.161 ug/l #		3
36) 1,1-Dichloropropene	7.63	75	34101	4.508 ug/l #		51
38) Carbon Tetrachloride	7.62	117	43074	5.786 ug/l #		16
44) Trichloroethene	8.80	130	17732	3.138 ug/l		98
49) 1,4-Dioxane	9.16	88	100	1.074 ug/l #		1
55) 1,1,2-Trichloroethane	10.60	97	3929	0.760 ug/l #		2
60) Dibromochloromethane	10.60	129	355833	62.692 ug/l #		10
64) Tetrachloroethene	10.60	164	359104	60.949 ug/l		98
76) 1,2,3-Trichloropropane	12.38	75	194599	29.408 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.38	75	194599	79.012 ug/l #		9
88) 1,4-Dichlorobenzene	13.33	146	240	Below Cal #		25
94) Hexachlorobutadiene	14.99	225	33	Below Cal #		19
95) Naphthalene	15.11	128	1226	Below Cal #		76
96) 1,2,3-Trichlorobenzene	15.28	180	59	Below Cal #		12

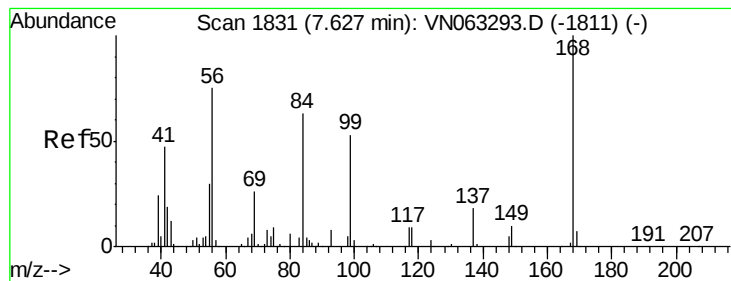
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091420\
Data File : VN063340.D
Acq On : 14 Sep 2020 14:07
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Sample : L3981-03ME 20X
Misc : 9.80g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B17-7-9ME

Quant Time: Sep 15 05:10:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Quant Title : SW846 8260
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: VN063340.D

Acq: 14 Sep 2020 14:07

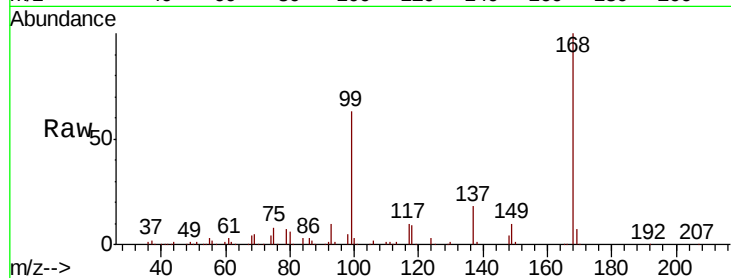
Instrument :
MSVOA_N
ClientSampled :
B17-7-9ME

Tot Ion:168 Resp: 395788

Ion Ratio Lower Upper

168 100

99 63.4 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

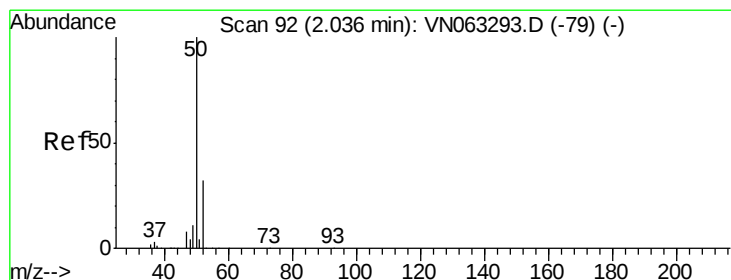
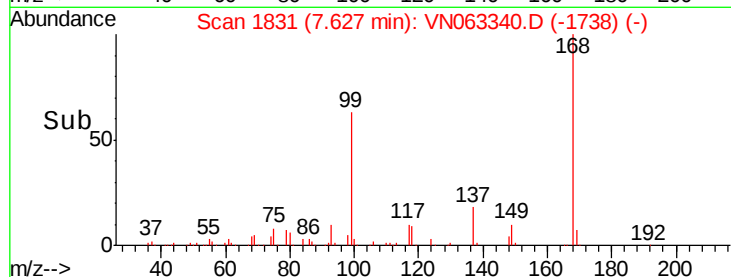
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063340.D

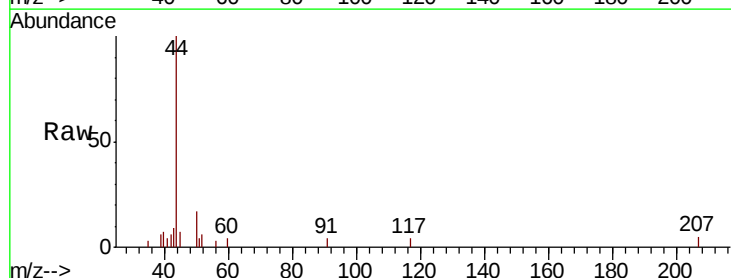
Acq: 14 Sep 2020 14:07

Tgt Ion: 50 Resp: 1457

Ion Ratio Lower Upper

50 100

52 34.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

1000

800

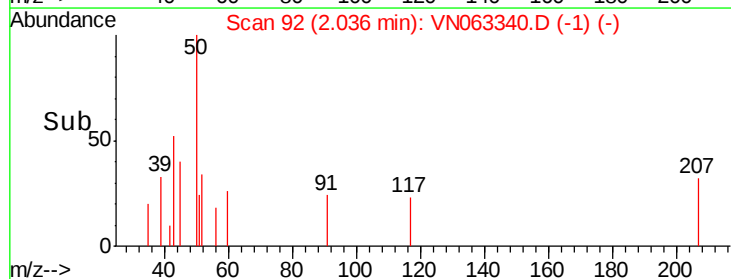
600

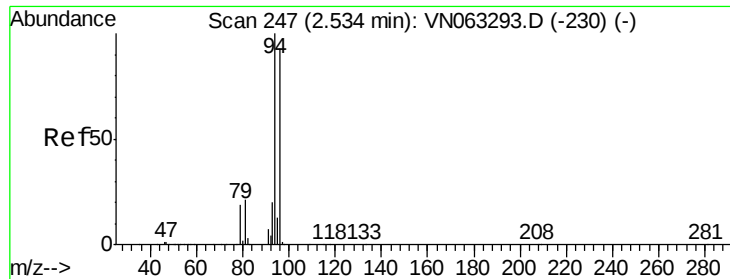
400

200

0

Time-->





#5

Bromomethane

Concen: 0.225 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN063340.D

Acq: 14 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampled :

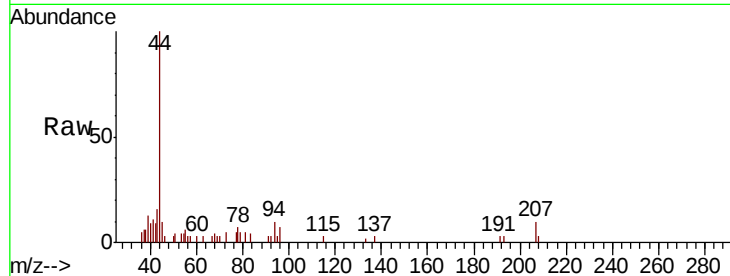
B17-7-9ME

Tot Ion: 94 Resp: 844

Ion Ratio Lower Upper

94 100

96 26.8 74.3 111.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

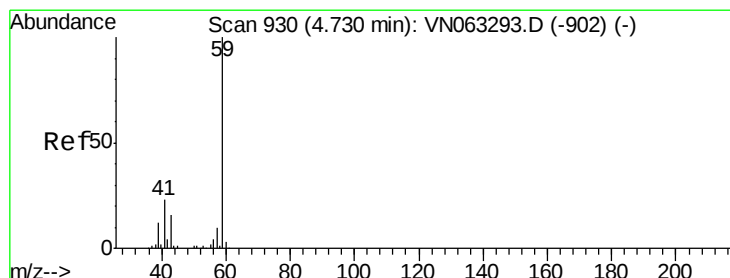
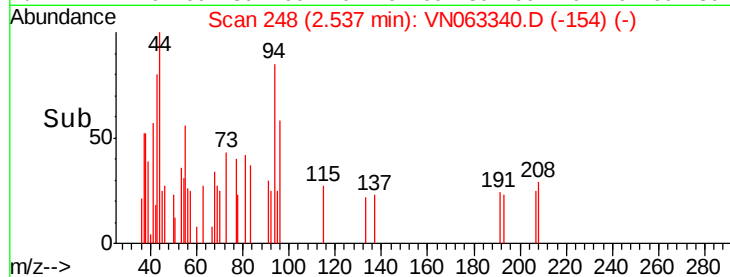
600

400

200

0

Time-->



#11

Tert butyl alcohol

Concen: 0.275 ug/l

RT: 4.73 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN063340.D

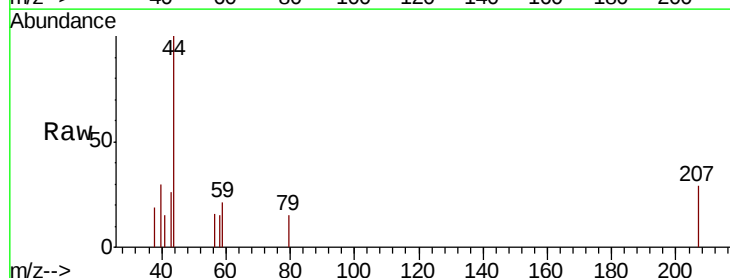
Acq: 14 Sep 2020 14:07

Tgt Ion: 59 Resp: 226

Ion Ratio Lower Upper

59 100

57 62.8 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

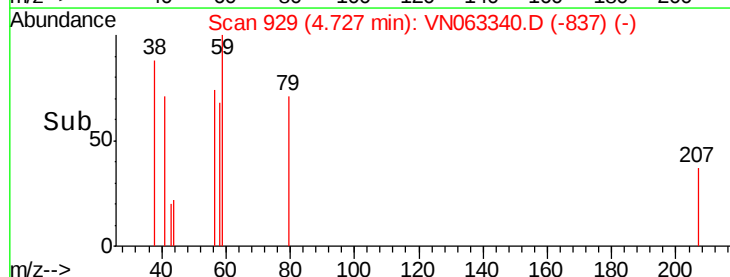
300

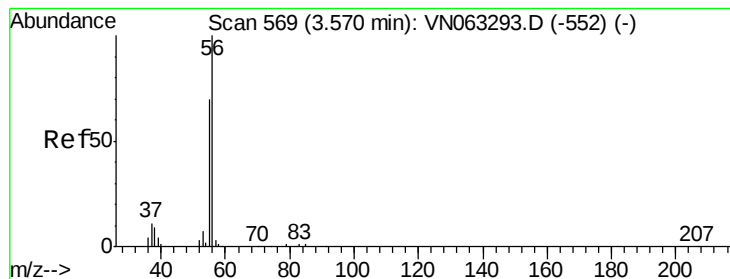
200

100

0

Time-->





#13

Acrolein

Concen: 32.733 ug/l

RT: 3.58 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN063340.D

Acq: 14 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

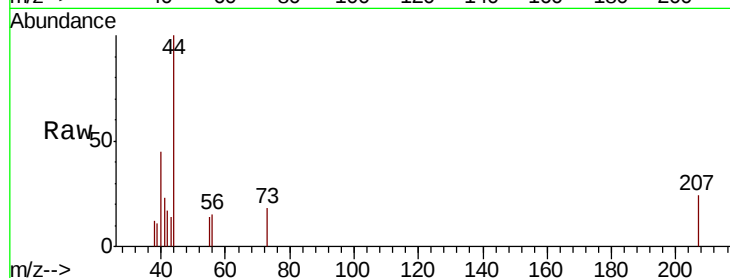
B17-7-9ME

Tot Ion: 56 Resp: 142

Ion Ratio Lower Upper

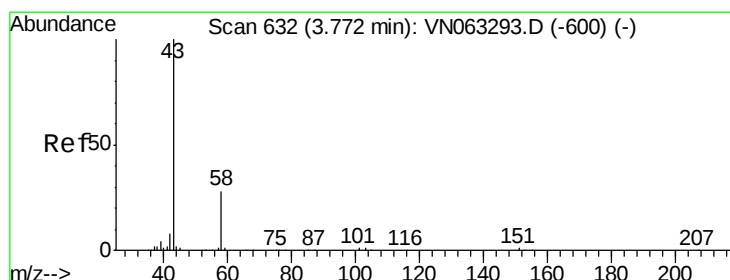
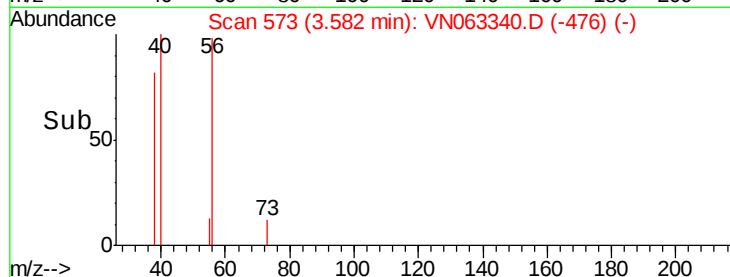
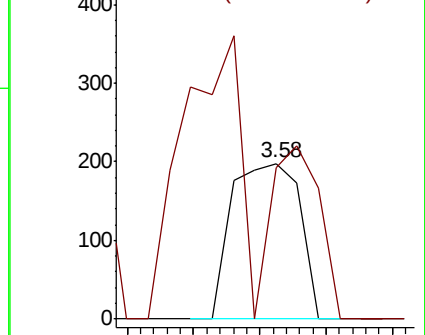
56 100

55 78.9 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: 0.638 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063340.D

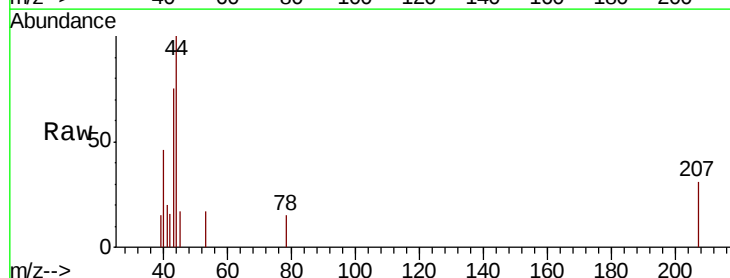
Acq: 14 Sep 2020 14:07

Tgt Ion: 43 Resp: 1370

Ion Ratio Lower Upper

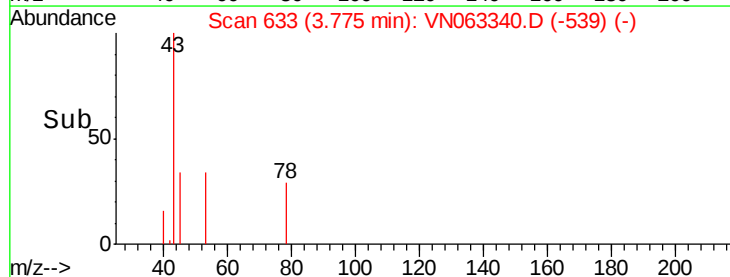
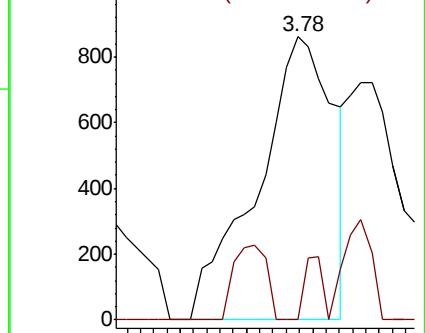
43 100

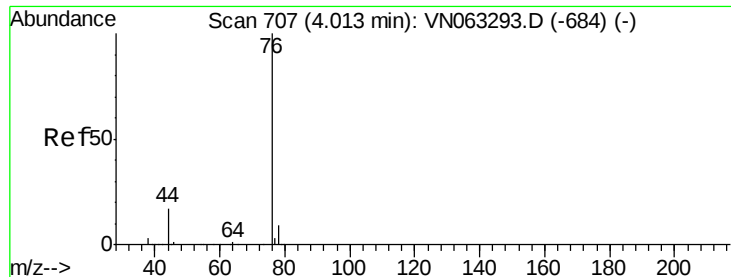
58 0.0 22.6 34.0#



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: 4.02 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN063340.D

Acq: 14 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

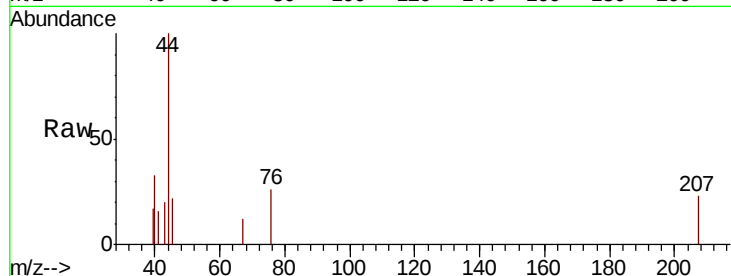
B17-7-9ME

Tot Ion: 76 Resp: 460

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

400

300

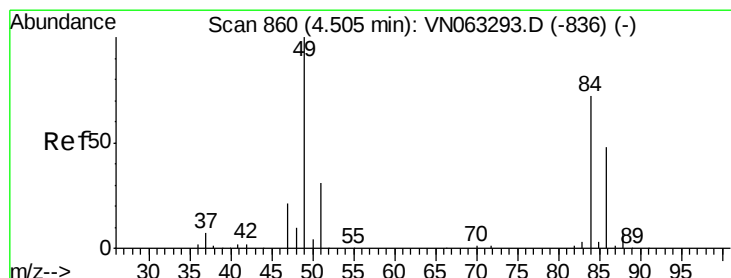
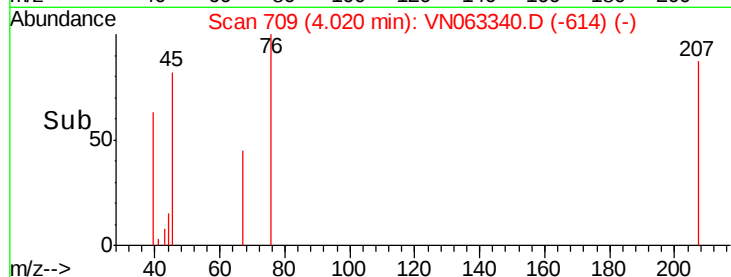
200

100

0

4.00 4.02 4.04 4.06

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN063340.D

Acq: 14 Sep 2020 14:07

Tgt Ion: 84 Resp: 1485

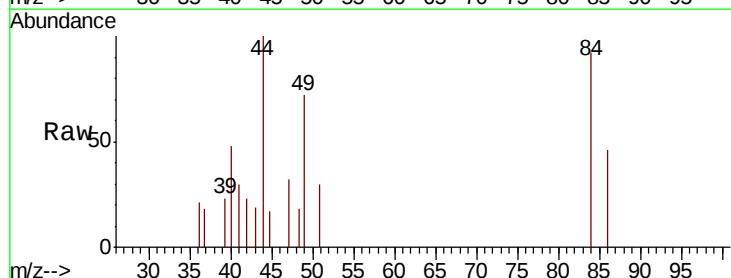
Ion Ratio Lower Upper

84 100

49 56.8 111.1 166.7#

51 9.6 34.3 51.5#

86 30.4 52.9 79.3#



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

1500

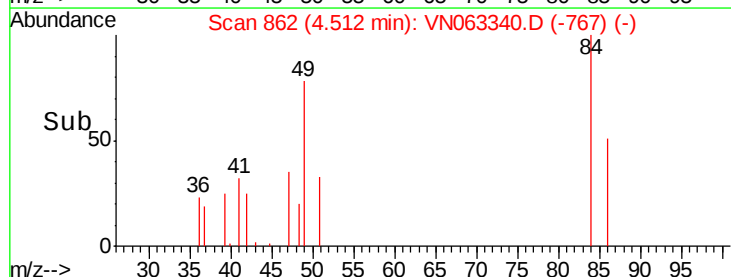
1000

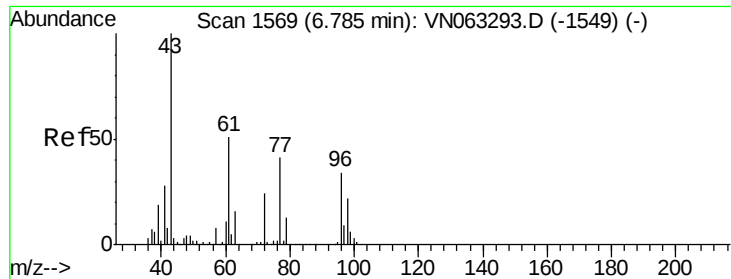
500

0

4.48 4.50 4.52 4.54 4.56

Time-->

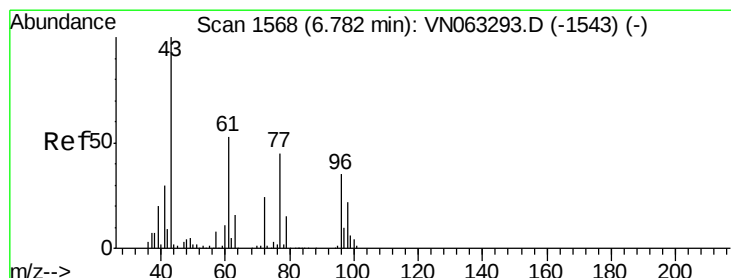
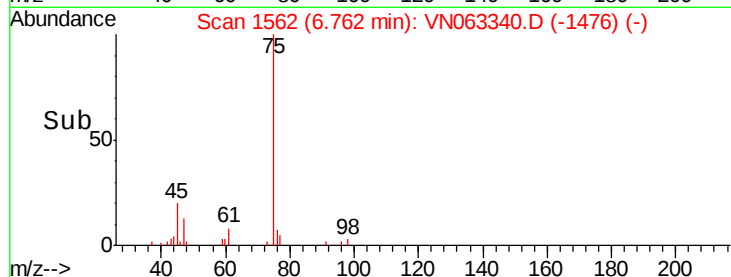
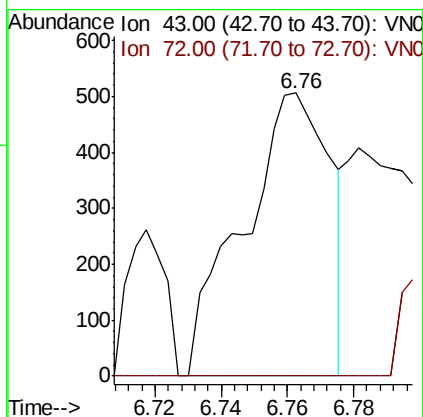
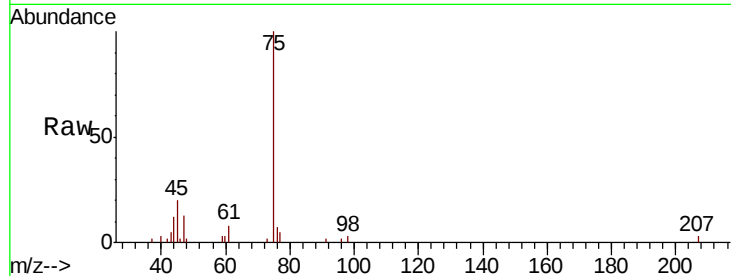




#25
2-Butanone
Concen: 0.291 ug/l
RT: 6.76 min Scan# 1562
Delta R.T. -0.02 min
Lab File: VN063340.D
Acq: 14 Sep 2020 14:07

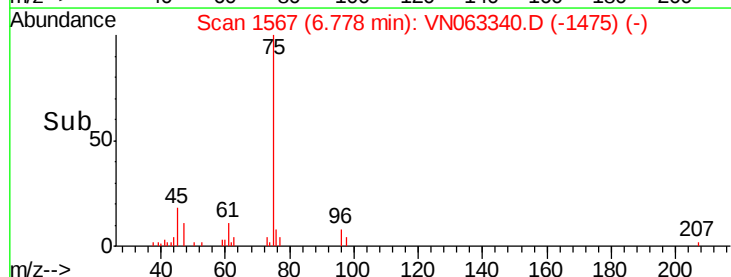
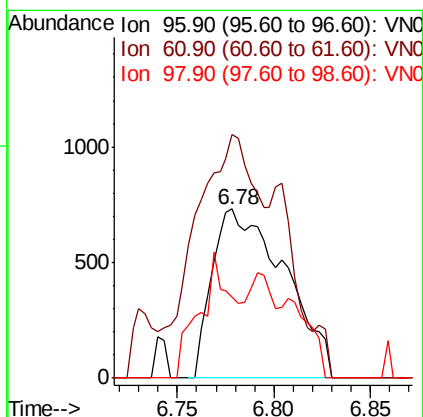
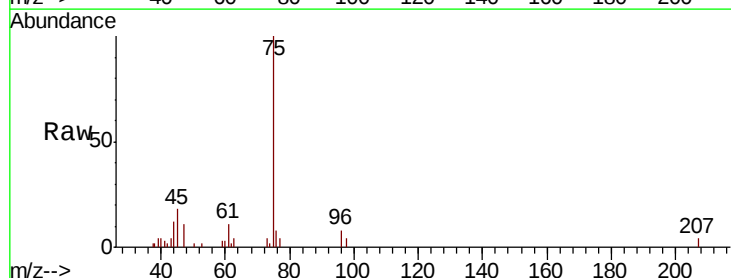
Instrument :
MSVOA_N
ClientSampled :
B17-7-9ME

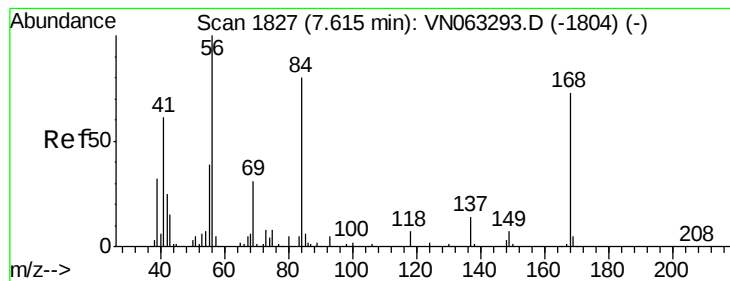
Tot Ion: 43 Resp: 923
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 0.337 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN063340.D
Acq: 14 Sep 2020 14:07

Tgt Ion: 96 Resp: 1906
Ion Ratio Lower Upper
96 100
61 85.0 0.0 322.8
98 32.6 0.0 132.2





#31

Cyclohexane

Concen: 1.161 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN063340.D

Acq: 14 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

B17-7-9ME

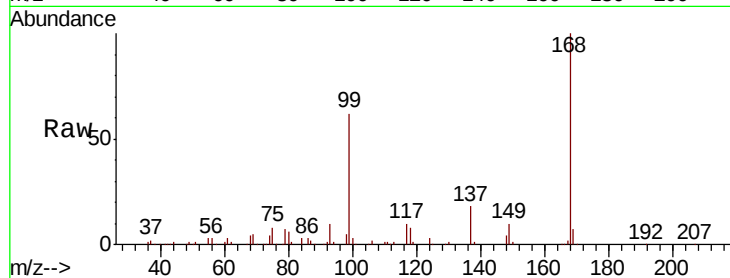
Tot Ion: 56 Resp: 10126

Ion Ratio Lower Upper

56 100

69 170.4 25.1 37.7#

84 112.0 64.2 96.2#

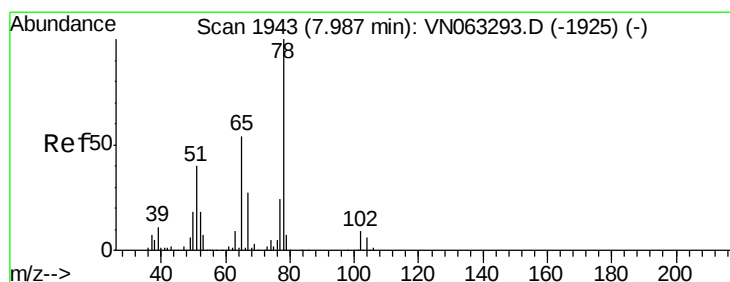
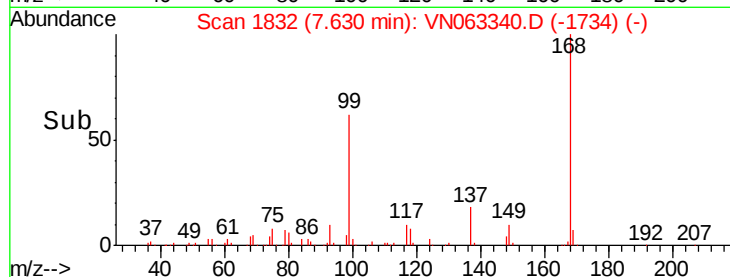
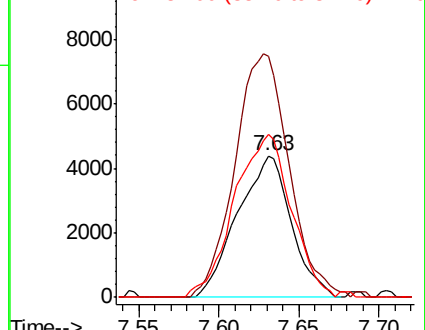


Abundance

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: 47.635 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063340.D

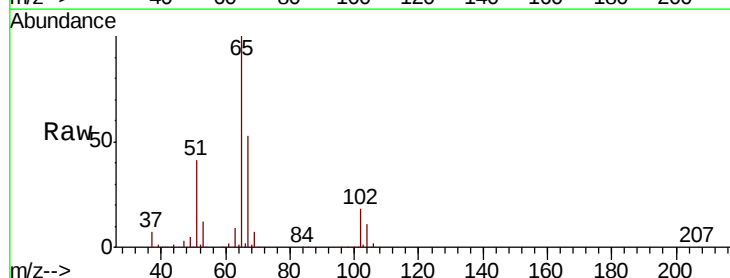
Acq: 14 Sep 2020 14:07

Tgt Ion: 65 Resp: 296213

Ion Ratio Lower Upper

65 100

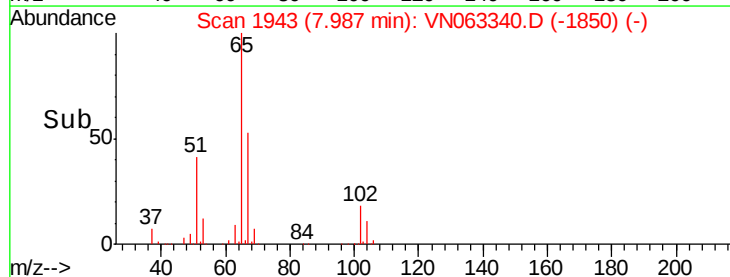
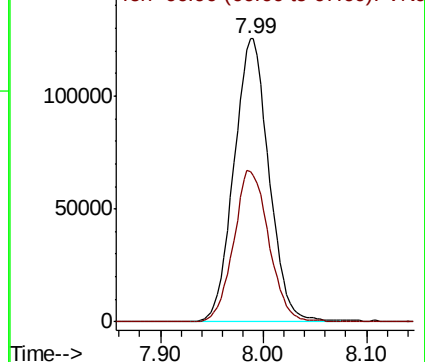
67 53.8 0.0 104.6

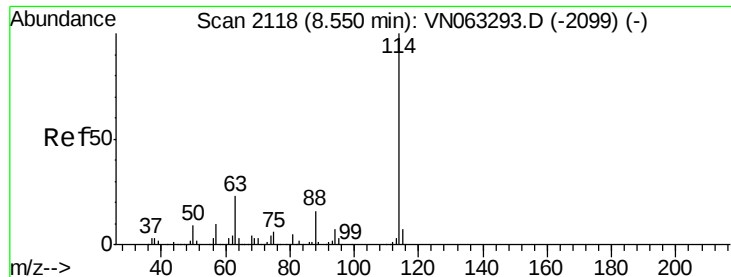


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

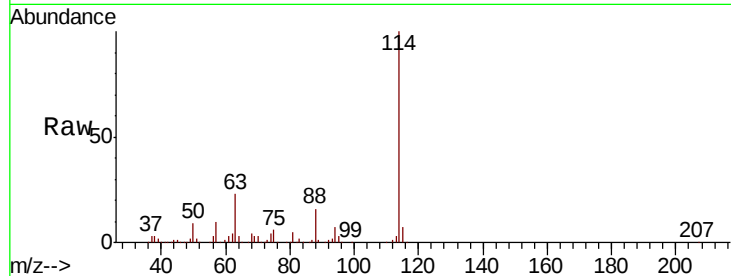




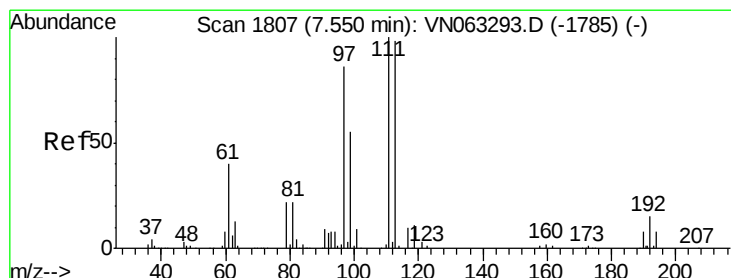
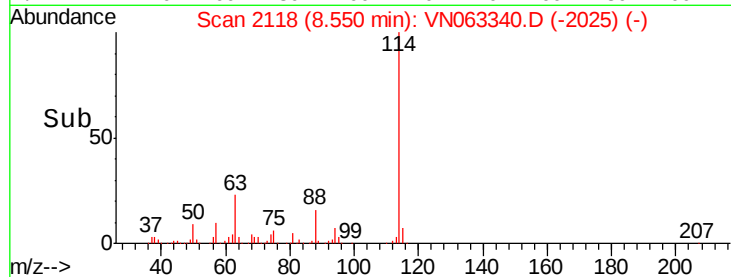
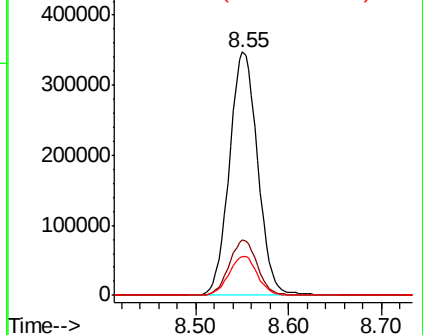
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063340.D
 Acq: 14 Sep 2020 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 B17-7-9ME

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	46.0
88	16.1	0.0	32.8

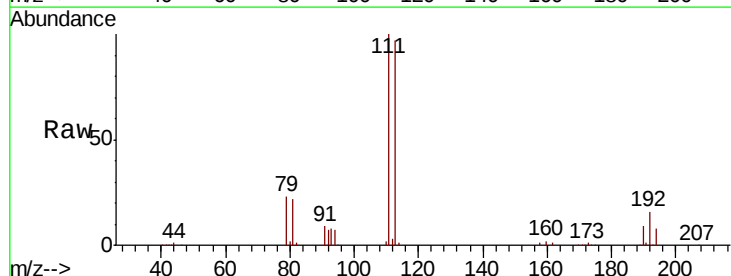


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

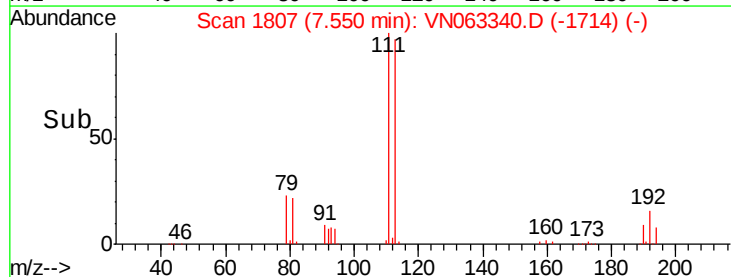
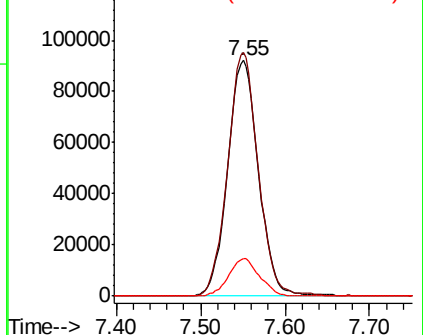


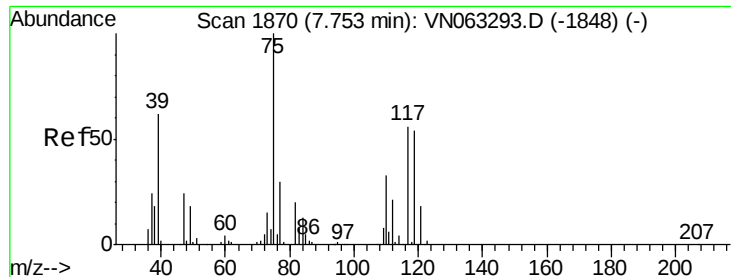
#35
 Dibromofluoromethane
 Concen: 49.425 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063340.D
 Acq: 14 Sep 2020 14:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.2
192	15.8	12.9	19.3



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

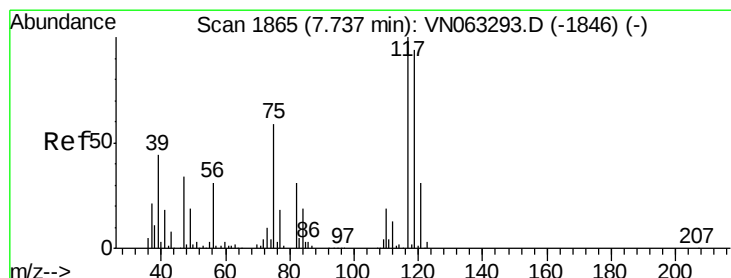
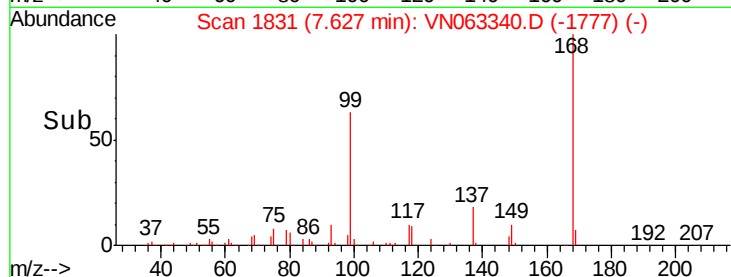
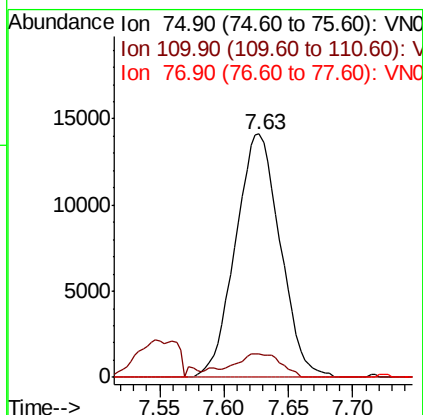
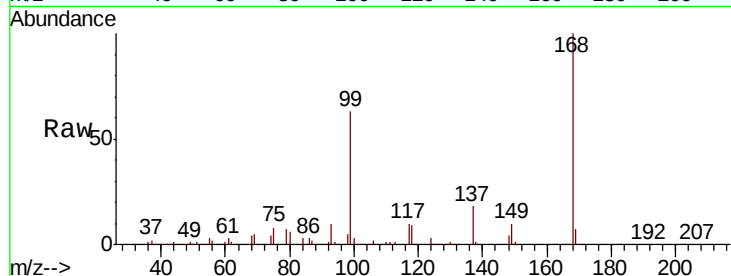




#36
 1,1-Dichloropropene
 Concen: 4.508 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063340.D
 Acq: 14 Sep 2020 14:07

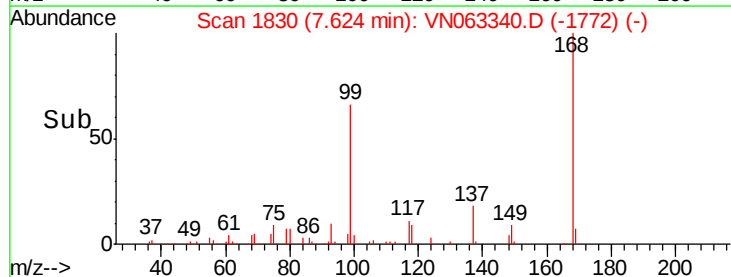
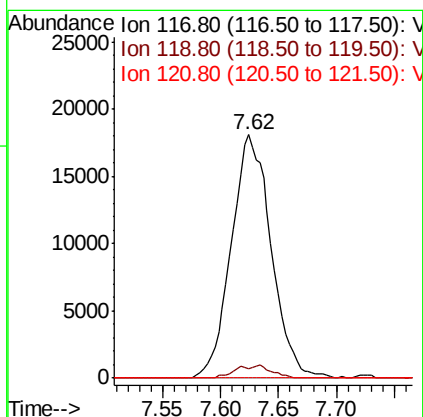
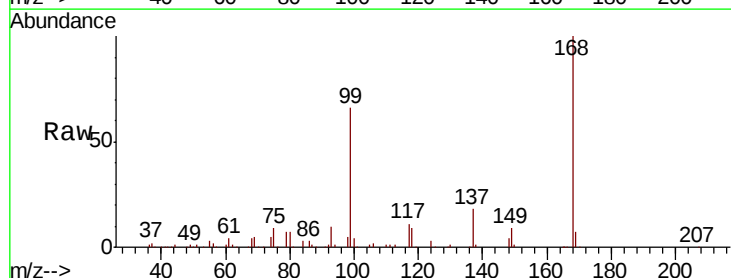
Instrument :
 MSVOA_N
 ClientSampleId :
 B17-7-9ME

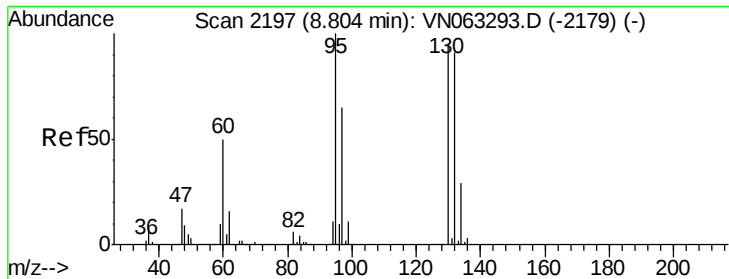
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	16.4	49.4#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.786 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN063340.D
 Acq: 14 Sep 2020 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	75.3	112.9#
121	0.0	24.6	37.0#





#44

Trichloroethene

Concen: 3.138 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VN063340.D

Acq: 14 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

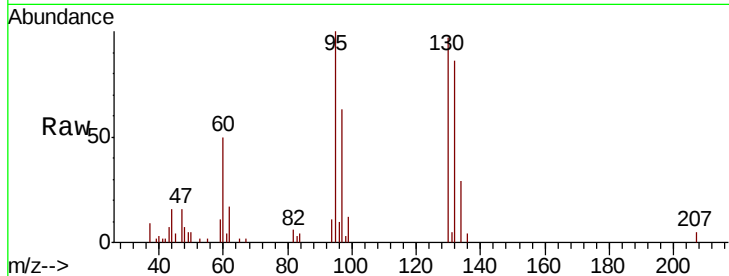
B17-7-9ME

Tot Ion:130 Resp: 17732

Ion Ratio Lower Upper

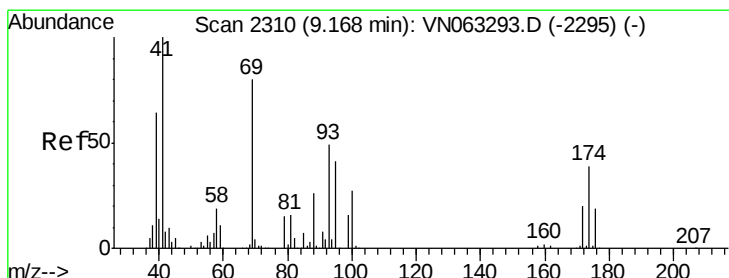
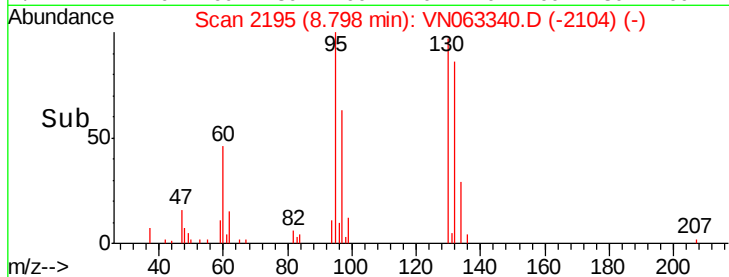
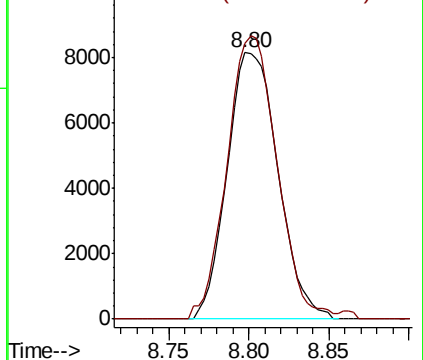
130 100

95 103.5 0.0 210.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#49

1,4-Dioxane

Concen: 1.074 ug/l

RT: 9.16 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN063340.D

Acq: 14 Sep 2020 14:07

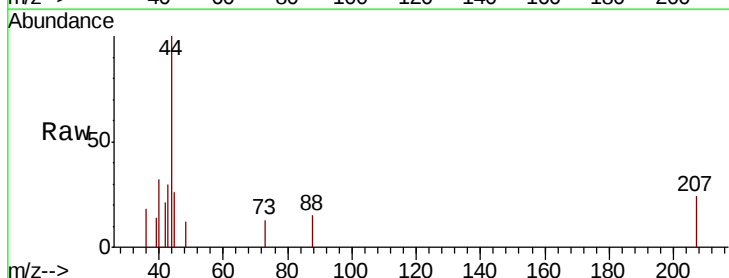
Tgt Ion: 88 Resp: 100

Ion Ratio Lower Upper

88 100

43 417.0 30.5 45.7#

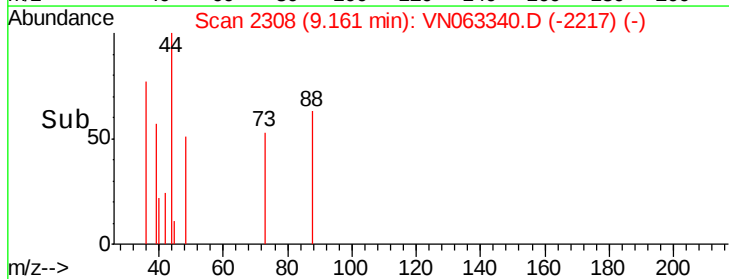
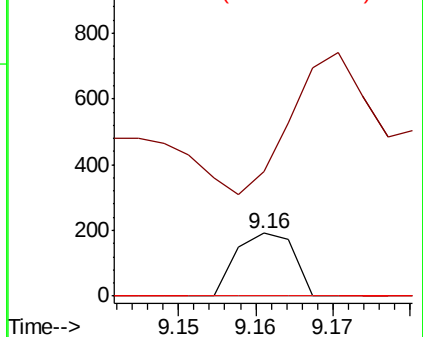
58 0.0 58.9 88.3#

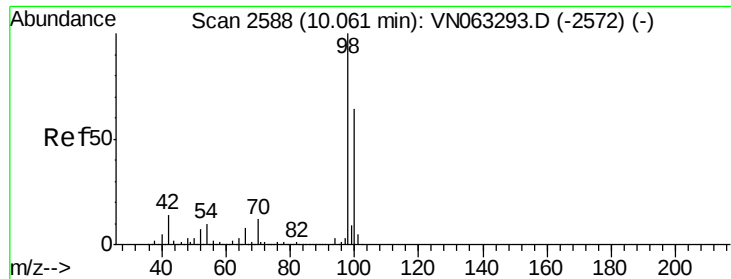


Abundance Ion 88.00 (87.70 to 88.70): VN

Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#50

Toluene-d8

Concen: 51.418 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN063340.D

Acq: 14 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

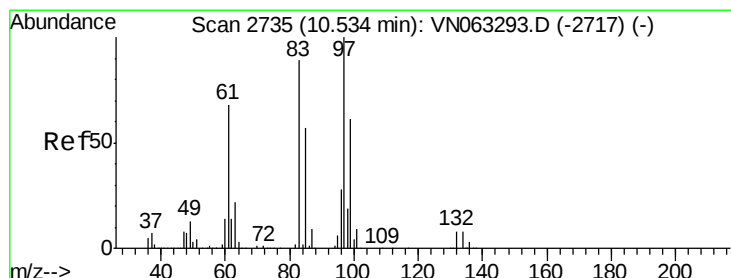
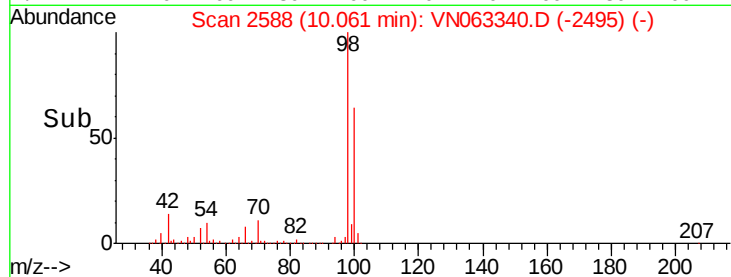
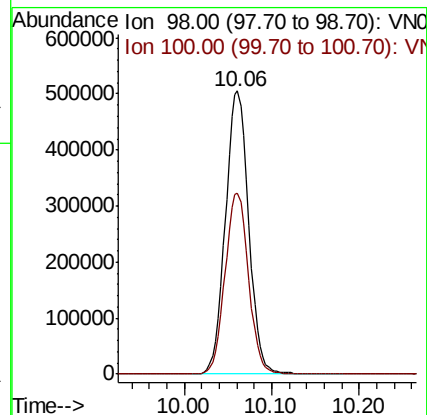
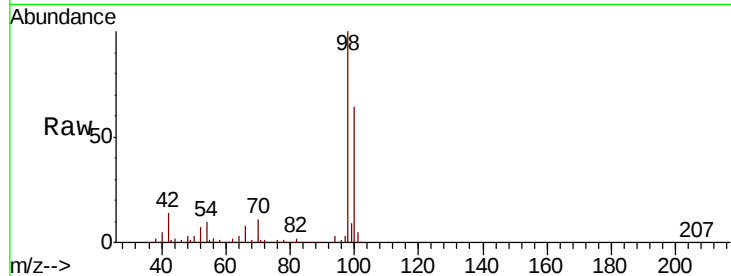
B17-7-9ME

Tot Ion: 98 Resp: 935453

Ion Ratio Lower Upper

98 100

100 64.4 50.7 76.1



#55

1,1,2-Trichloroethane

Concen: 0.760 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.07 min

Lab File: VN063340.D

Acq: 14 Sep 2020 14:07

Tgt Ion: 97 Resp: 3929

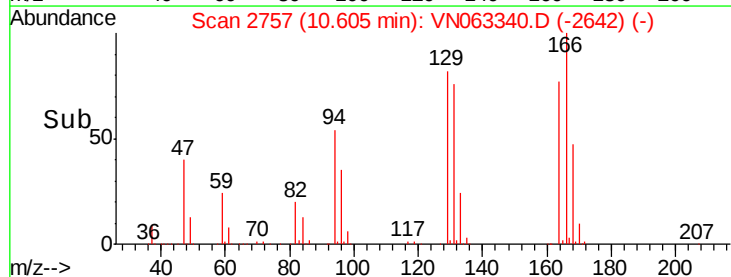
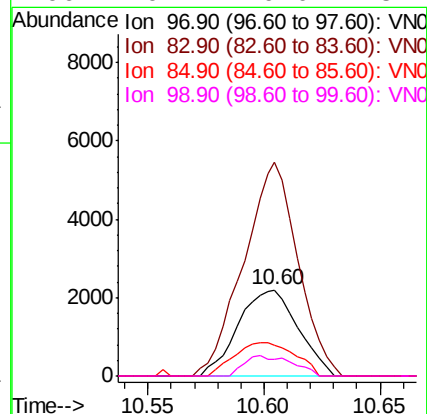
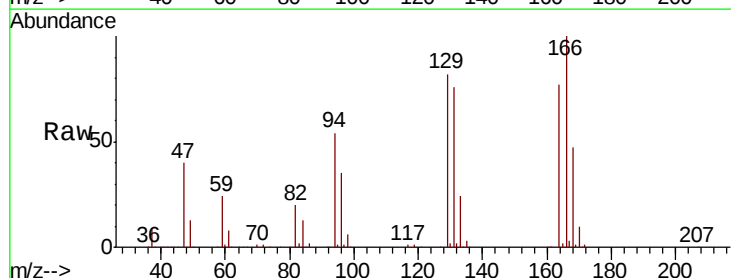
Ion Ratio Lower Upper

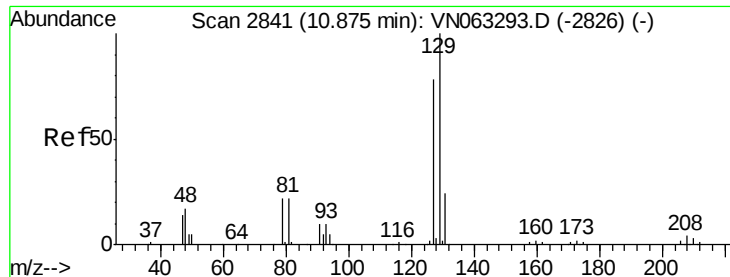
97 100

83 249.1 70.8 106.2#

85 36.0 45.6 68.4#

99 19.4 49.0 73.4#

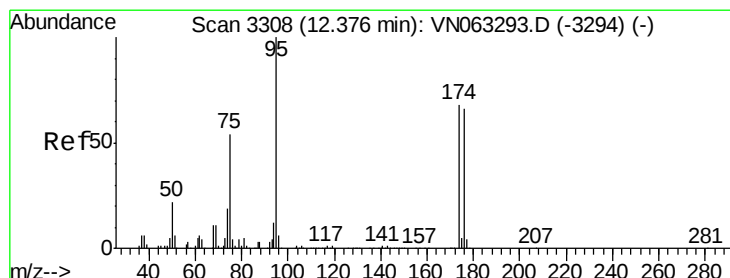
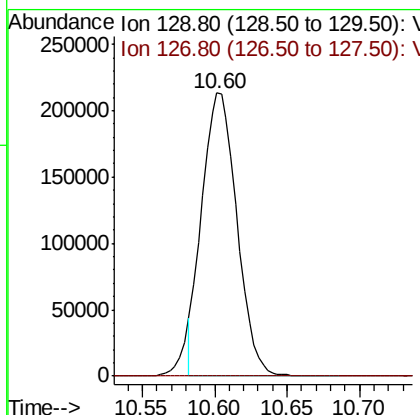
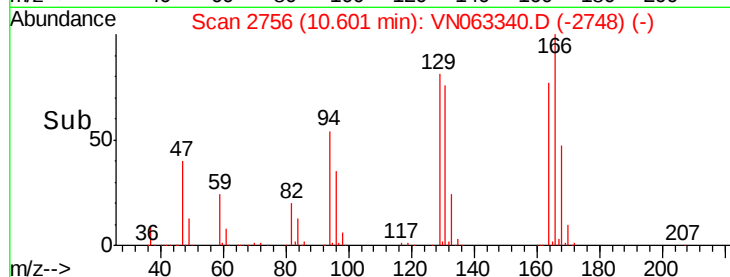
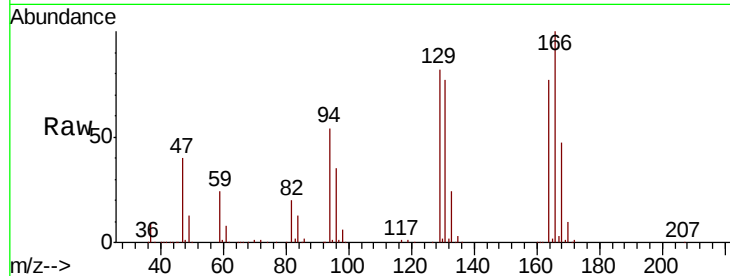




#60
 Dibromochloromethane
 Concen: 62.692 ug/l
 RT: 10.60 min Scan# 2756
 Delta R.T. -0.27 min
 Lab File: VN063340.D
 Acq: 14 Sep 2020 14:07

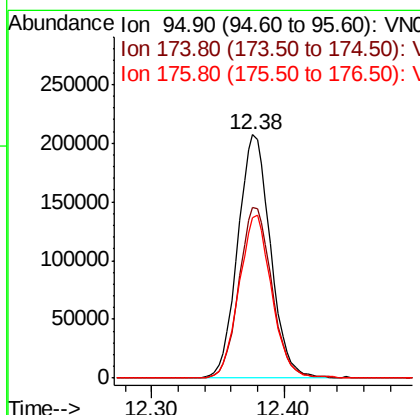
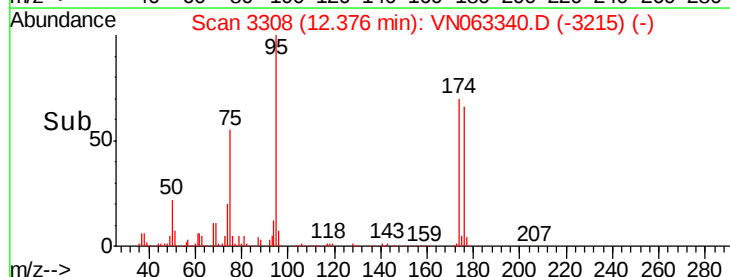
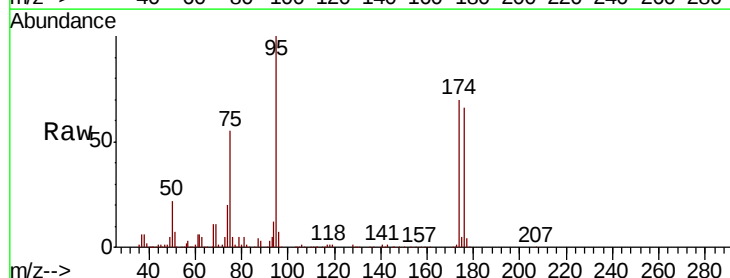
Instrument :
 MSVOA_N
 ClientSampleId :
 B17-7-9ME

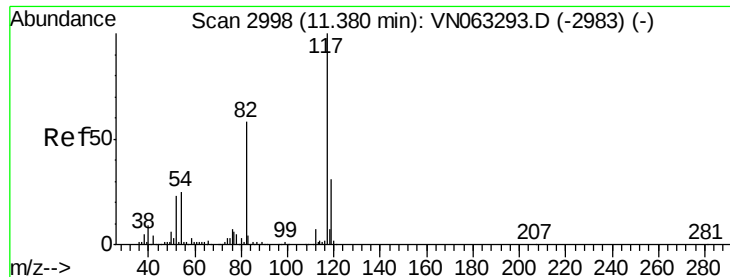
Tot Ion:129 Resp: 355833
 Ion Ratio Lower Upper
 129 100
 127 0.1 39.0 117.0#



#62
 4-Bromofluorobenzene
 Concen: 52.782 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063340.D
 Acq: 14 Sep 2020 14:07

Tgt Ion: 95 Resp: 354676
 Ion Ratio Lower Upper
 95 100
 174 70.5 0.0 136.6
 176 66.9 0.0 132.8

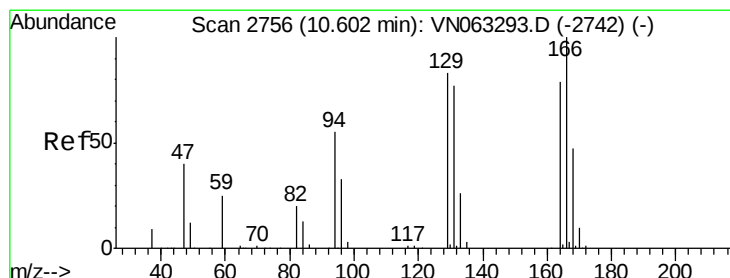
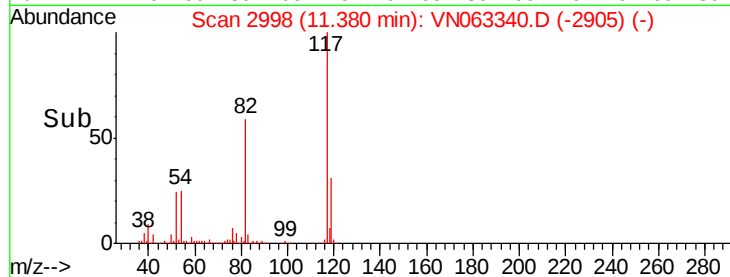
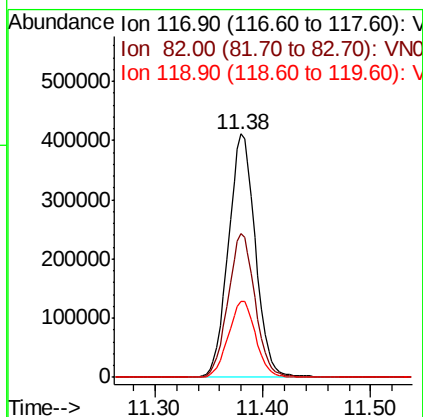
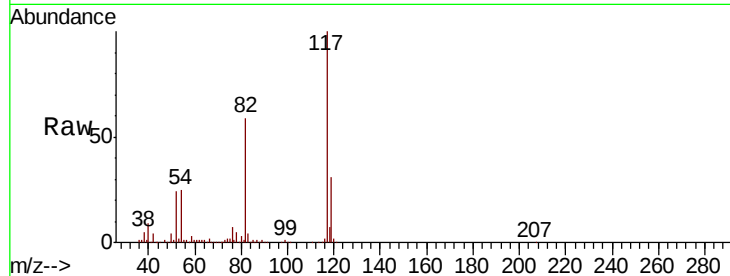




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063340.D
Acq: 14 Sep 2020 14:07

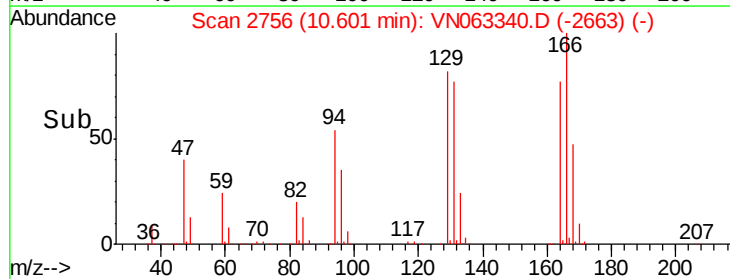
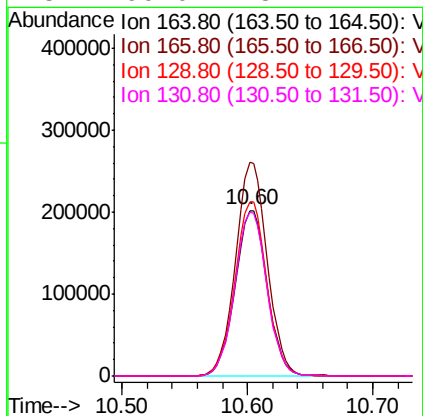
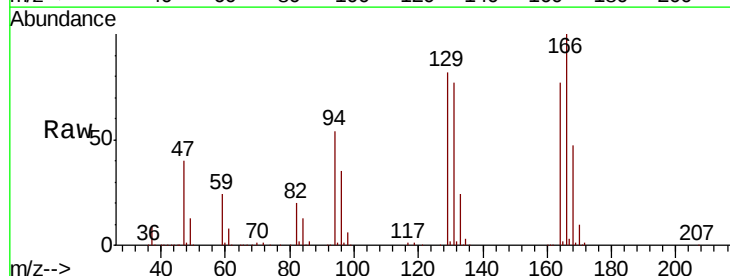
Instrument :
MSVOA_N
ClientSampled :
B17-7-9ME

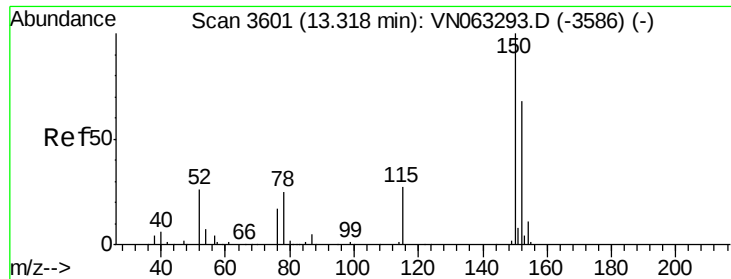
Tot Ion:117 Resp: 719231
Ion Ratio Lower Upper
117 100
82 58.9 46.4 69.6
119 31.3 24.8 37.2



#64
Tetrachloroethene
Concen: 60.949 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063340.D
Acq: 14 Sep 2020 14:07

Tgt Ion:164 Resp: 359104
Ion Ratio Lower Upper
164 100
166 129.3 101.3 151.9
129 105.7 83.7 125.5
131 99.0 78.2 117.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063340.D

Acq: 14 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

B17-7-9ME

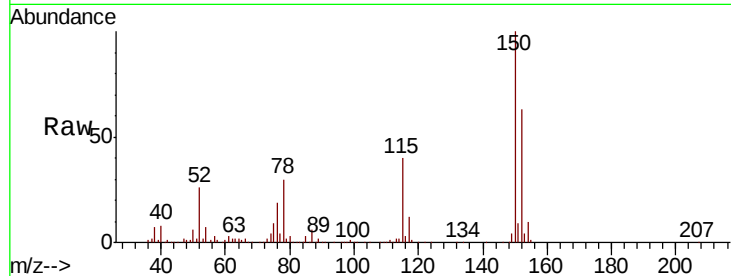
Tot Ion:152 Resp: 299949

Ion Ratio Lower Upper

152 100

115 63.7 31.5 94.5

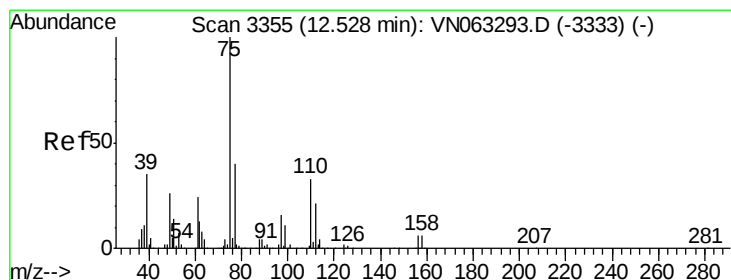
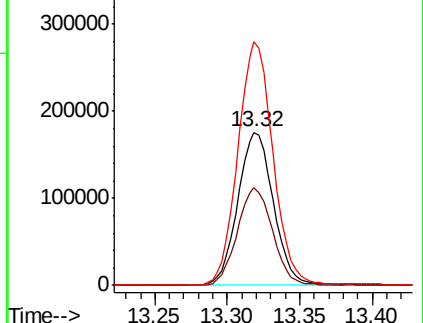
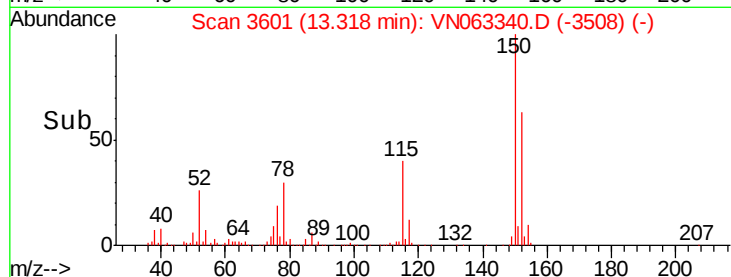
150 157.7 0.0 344.0



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: 29.408 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063340.D

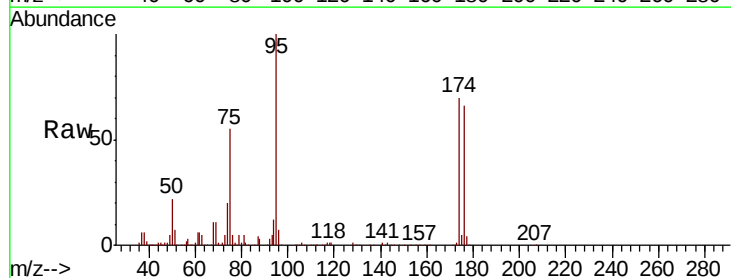
Acq: 14 Sep 2020 14:07

Tgt Ion: 75 Resp: 194599

Ion Ratio Lower Upper

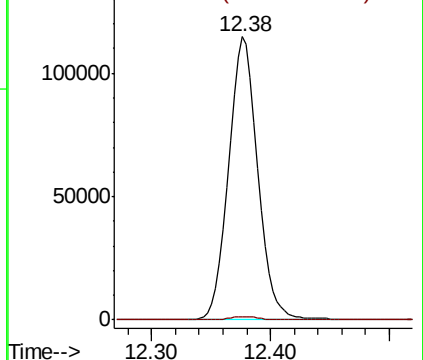
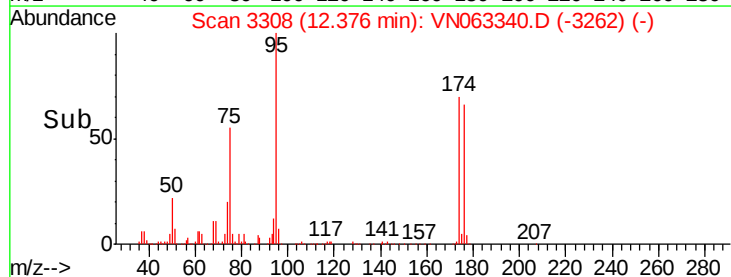
75 100

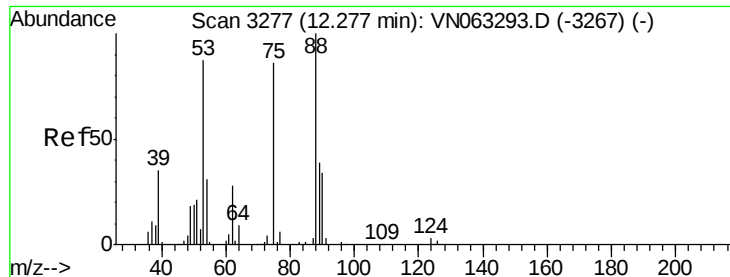
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 79.012 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063340.D

Acq: 14 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

B17-7-9ME

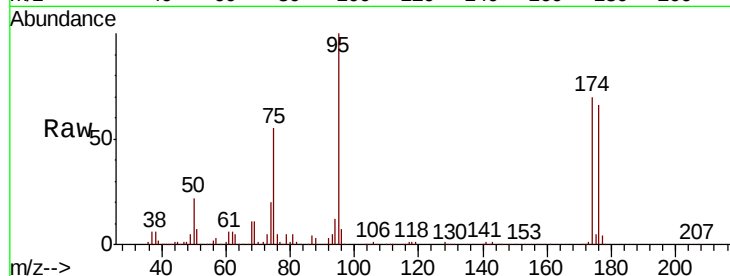
Tot Ion: 75 Resp: 194599

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.8#

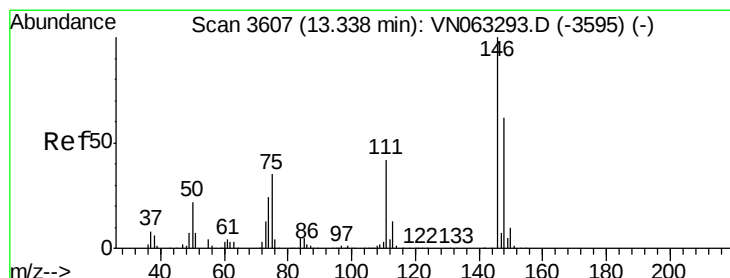
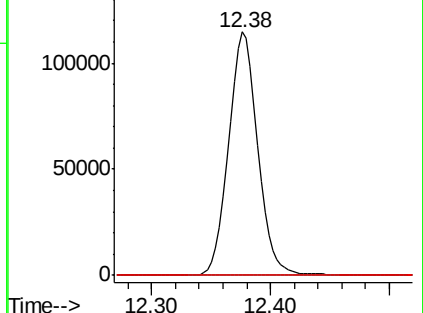
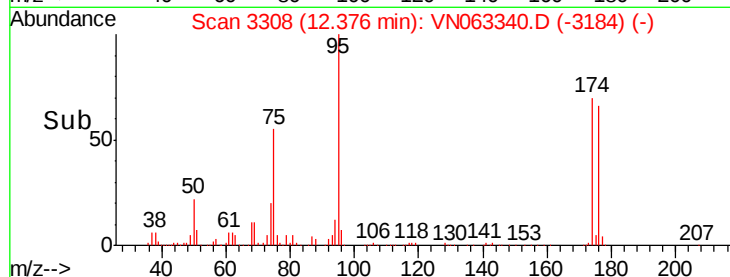
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN063340.D (-3184) (-)

Ion 53.00 (52.70 to 53.70): VN063340.D (-3184) (-)

Ion 88.90 (88.60 to 89.60): VN063340.D (-3184) (-)



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.33 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN063340.D

Acq: 14 Sep 2020 14:07

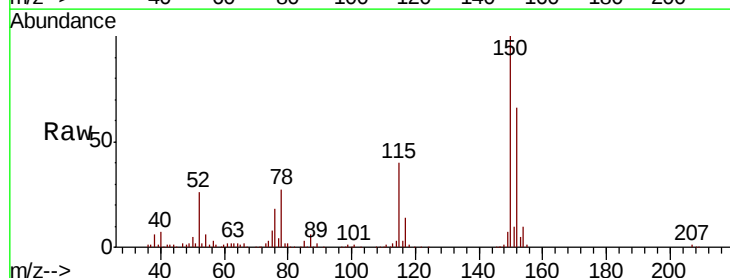
Tgt Ion: 146 Resp: 240

Ion Ratio Lower Upper

146 100

111 0.0 21.3 64.0#

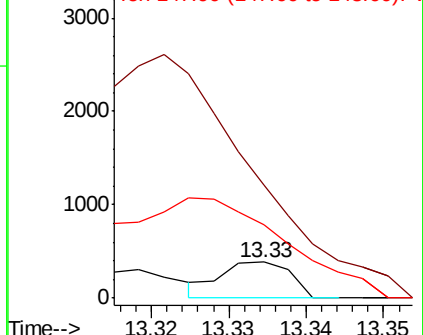
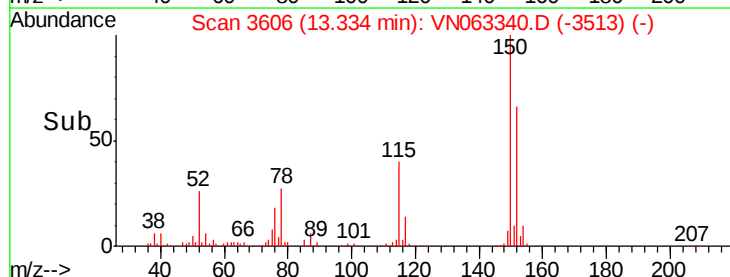
148 0.0 31.5 94.5#

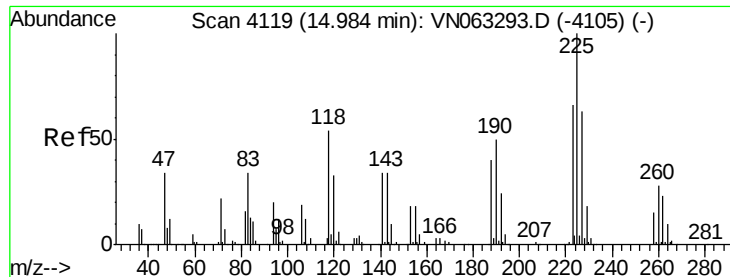


Abundance Ion 145.90 (145.60 to 146.60): VN063340.D (-3513) (-)

Ion 110.90 (110.60 to 111.60): VN063340.D (-3513) (-)

Ion 147.90 (147.60 to 148.60): VN063340.D (-3513) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 14.99 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VN063340.D

Acq: 14 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampled :

B17-7-9ME

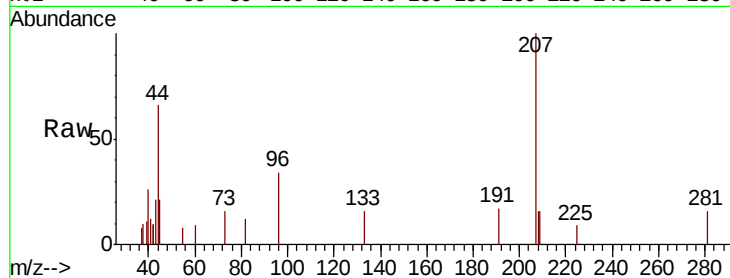
Tot Ion:225 Resp: 33

Ion Ratio Lower Upper

225 100

223 0.0 31.3 93.9#

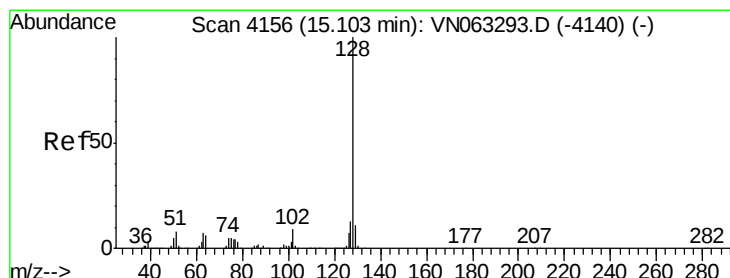
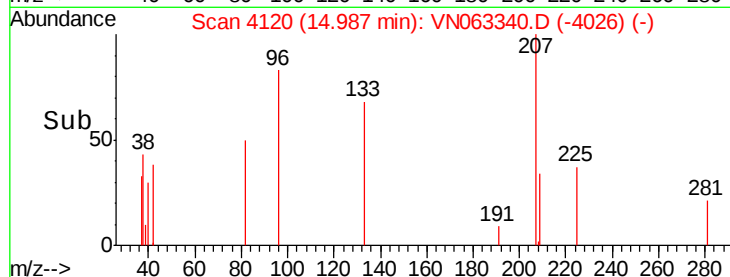
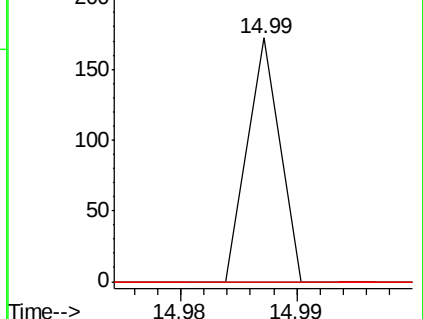
227 0.0 31.2 93.6#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: Below Cal

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063340.D

Acq: 14 Sep 2020 14:07

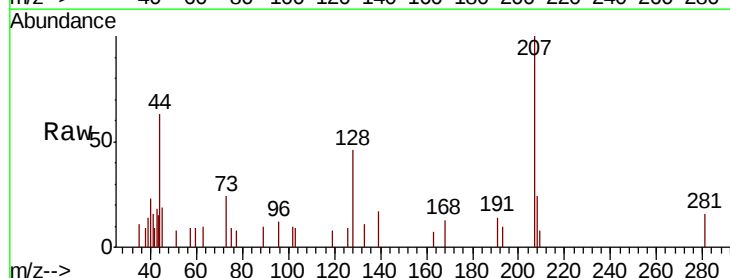
Tgt Ion:128 Resp: 1226

Ion Ratio Lower Upper

128 100

127 4.7 10.3 15.5#

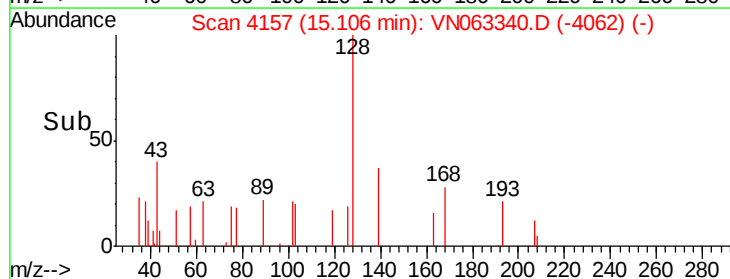
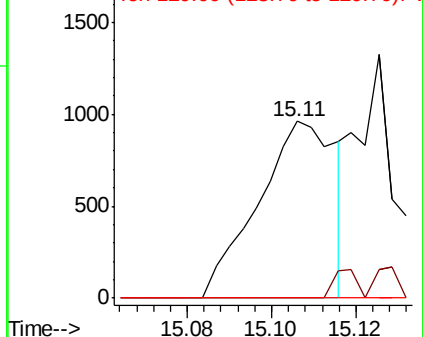
129 0.0 8.6 12.8#

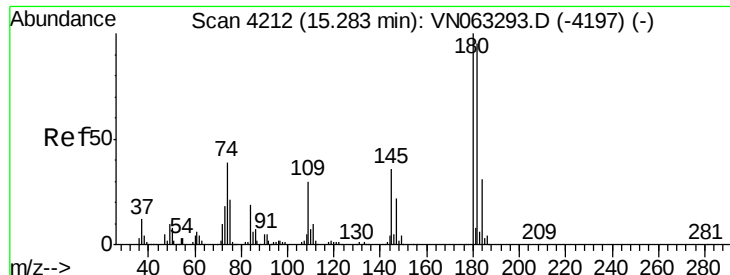


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063340.D

Acq: 14 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

B17-7-9ME

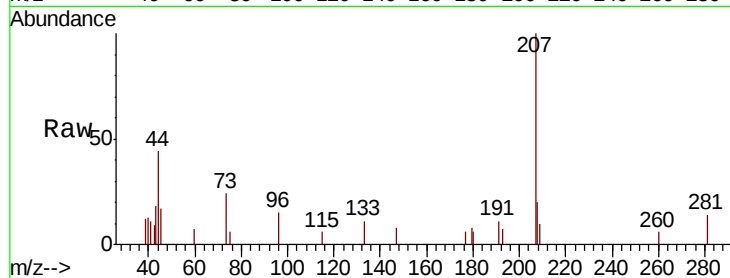
Tot Ion:180 Resp: 59

Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.3#

145 0.0 17.2 51.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

