

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062196.D
 Acq On : 29 Jun 2020 18:31
 Operator : JC/MD
 Sample : L3088-08DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622DL

Quant Time: Jun 30 04:28:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

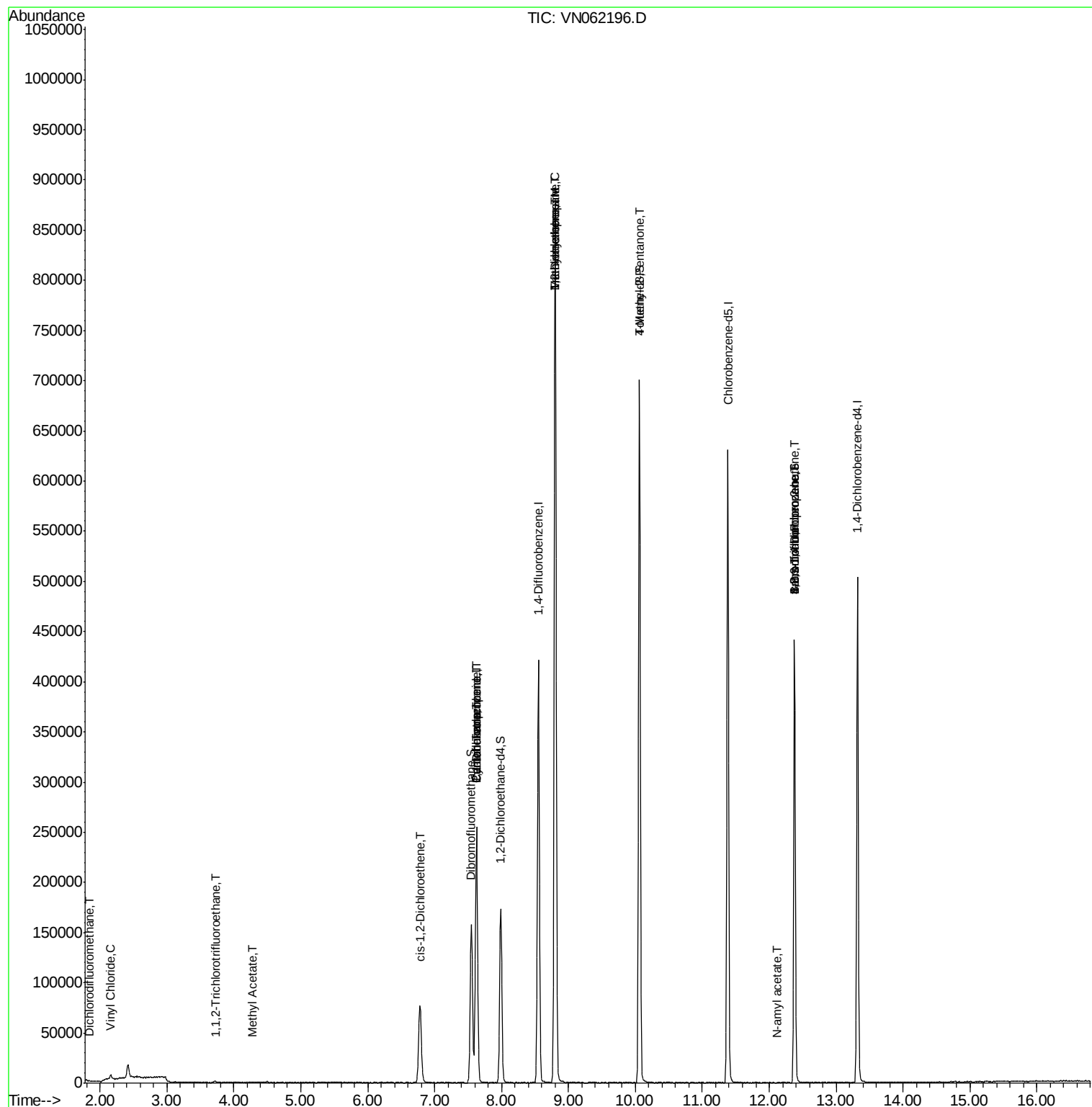
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	197558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	379270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	365718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131352	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	148033	53.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.80%	
35) Dibromofluoromethane	7.55	113	122659	50.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.82%	
50) Toluene-d8	10.06	98	483177	49.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.38	95	154054	46.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	462	0.207	ug/l	82
3) Chloromethane	2.03	50	217	Below Cal	#	41
4) Vinyl Chloride	2.16	62	4242	1.206	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	805	0.355	ug/l #	63
16) Acetone	3.79	43	418	Below Cal	#	40
18) Methyl Acetate	4.28	43	463	0.210	ug/l #	46
20) Methylene Chloride	4.50	84	490	Below Cal	#	54
27) cis-1,2-Dichloroethene	6.78	96	53966	18.558	ug/l	90
31) Cyclohexane	7.62	56	4370	1.141	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	16462	4.318	ug/l #	48
38) Carbon Tetrachloride	7.63	117	21341	5.938	ug/l #	15
39) Methylcyclohexane	8.81	83	4171	0.999	ug/l #	1
44) Trichloroethene	8.80	130	320811	109.452	ug/l	99
45) 1,2-Dichloropropane	8.80	63	822	0.287	ug/l #	1
51) 4-Methyl-2-Pentanone	10.06	43	2024	0.673	ug/l #	1
71) Bromoform	12.38	173	1325	0.671	ug/l #	1
74) N-amyl acetate	12.12	43	29	3.350	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	79505	25.712	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	79505	75.089	ug/l #	13

(#) = 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# 1820

Delta R.T. -0.00 min

Lab File: VN062196.D

Acq: 29 Jun 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

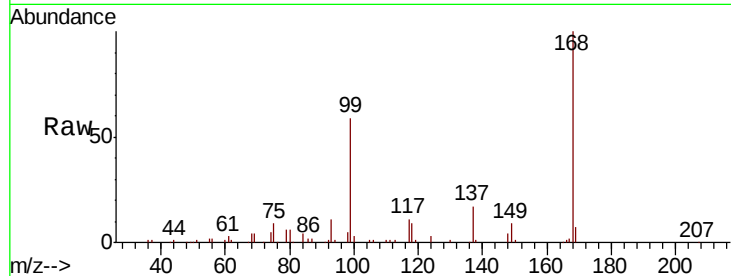
56BR-20200622DL

Tot Ion:168 Resp: 197558

Ion Ratio Lower Upper

168 100

99 59.4 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

40000

20000

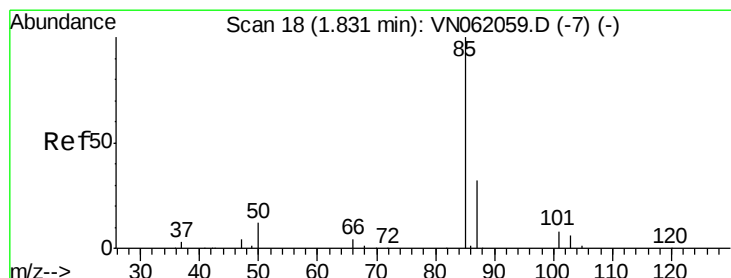
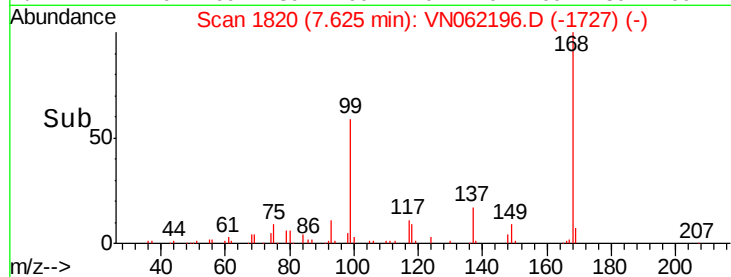
0

Time-->

7.50

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 0.207 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN062196.D

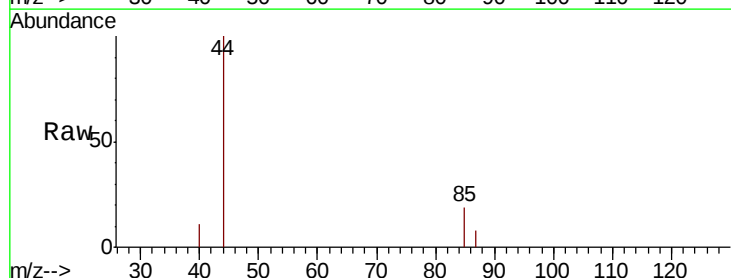
Acq: 29 Jun 2020 18:31

Tgt Ion: 85 Resp: 462

Ion Ratio Lower Upper

85 100

87 42.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

400

300

200

100

0

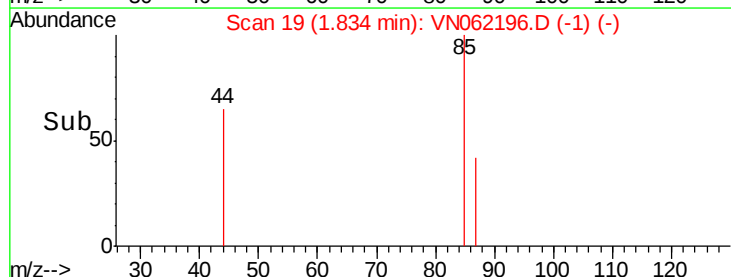
Time-->

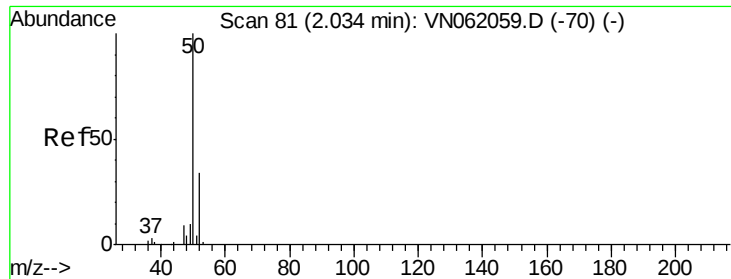
1.80

1.82

1.84

1.86





#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062196.D

Acq: 29 Jun 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

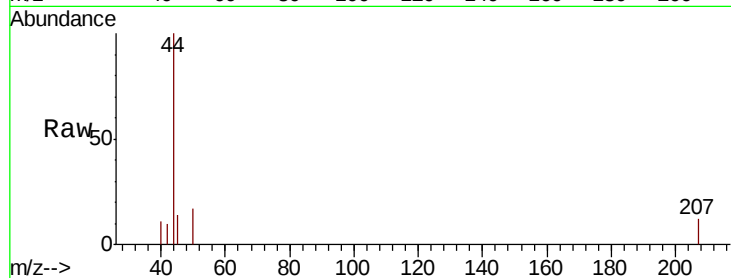
56BR-20200622DL

Tot Ion: 50 Resp: 217

Ion Ratio Lower Upper

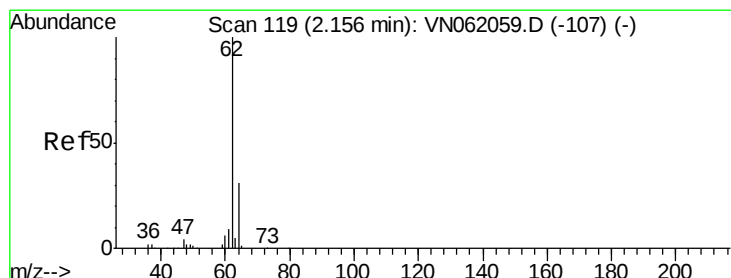
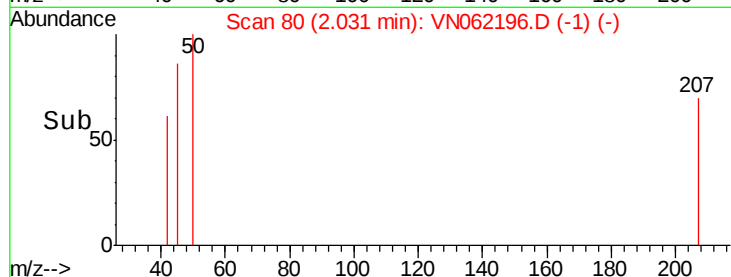
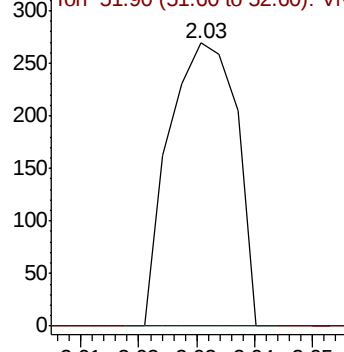
50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 1.206 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062196.D

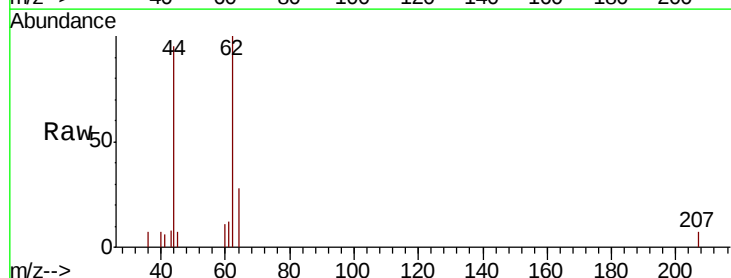
Acq: 29 Jun 2020 18:31

Tgt Ion: 62 Resp: 4242

Ion Ratio Lower Upper

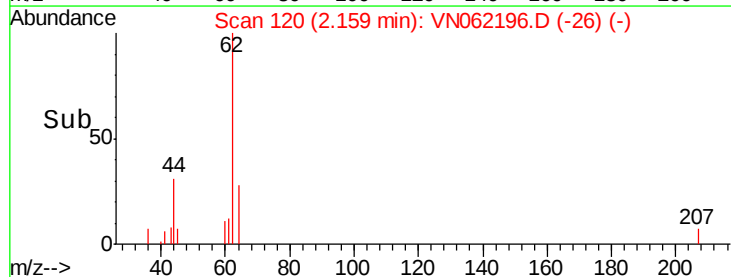
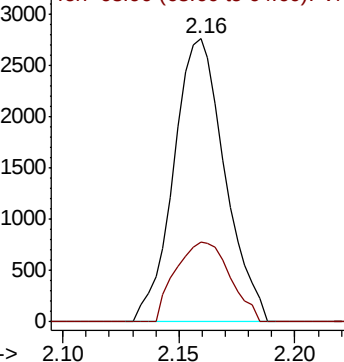
62 100

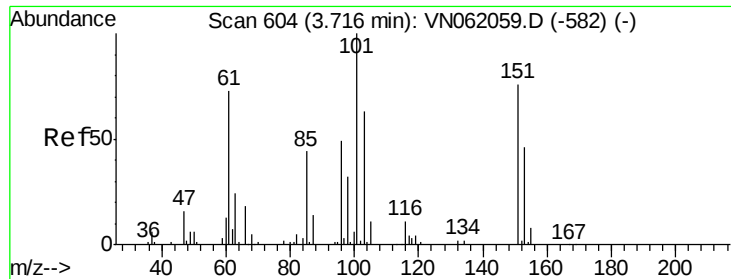
64 28.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.355 ug/l

RT: 3.73 min Scan# 607

Delta R.T. 0.01 min

Lab File: VN062196.D

Acq: 29 Jun 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622DL

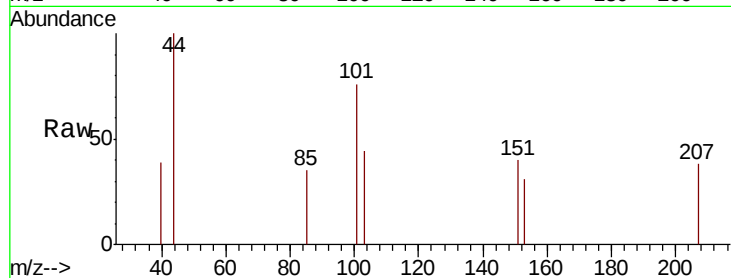
Tot Ion:101 Resp: 805

Ion Ratio Lower Upper

101 100

85 12.5 34.5 51.7#

151 46.6 57.8 86.8#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

3.73

400

300

200

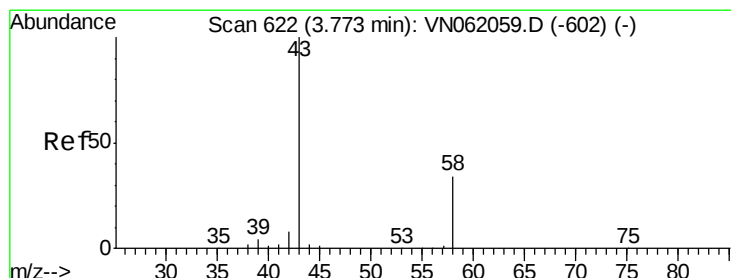
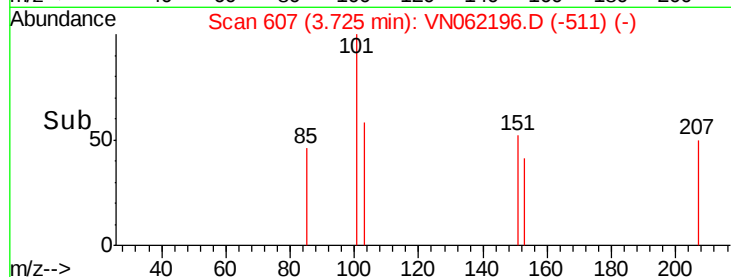
100

0

3.70

3.75

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.02 min

Lab File: VN062196.D

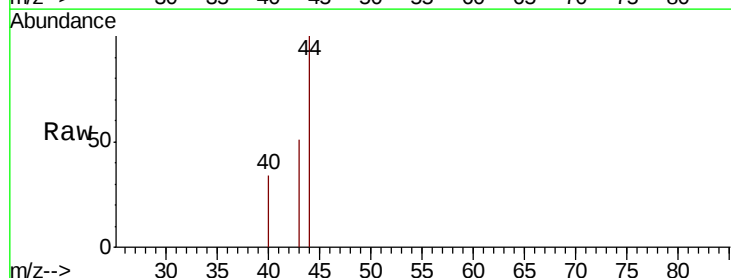
Acq: 29 Jun 2020 18:31

Tgt Ion: 43 Resp: 418

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

300

250

200

150

100

50

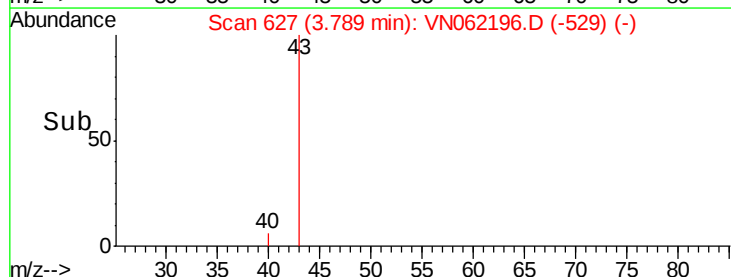
0

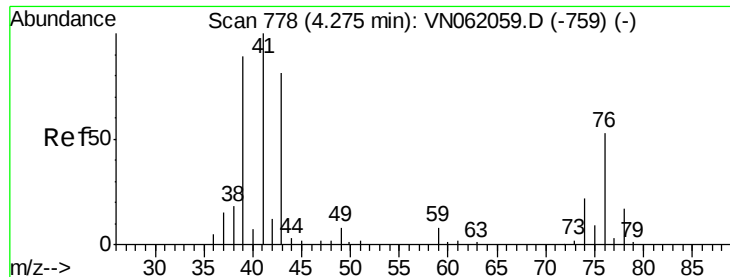
3.76

3.78

3.80

Time-->

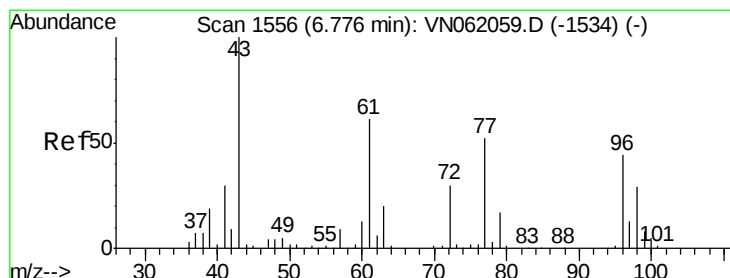
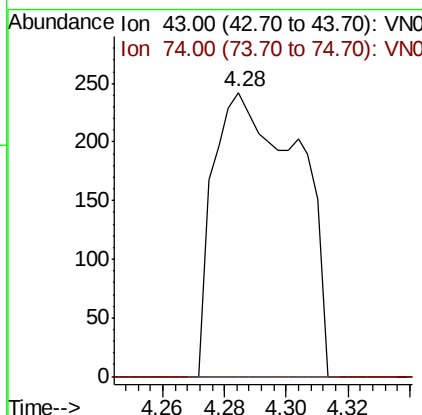
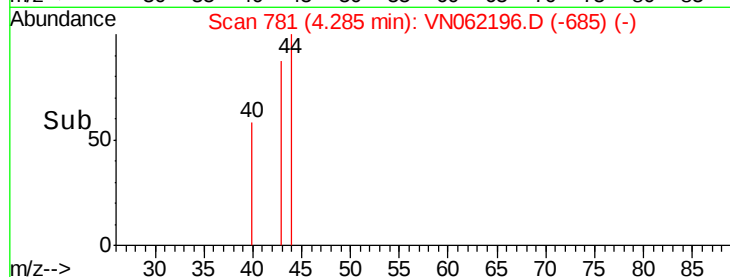
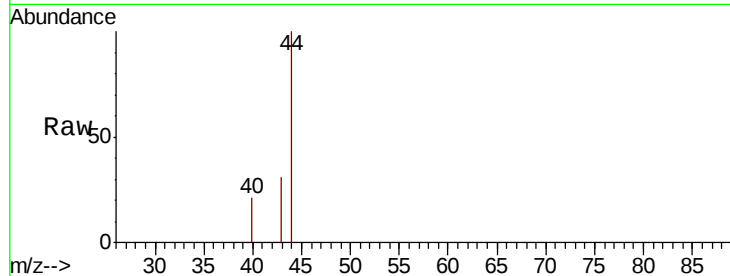




#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062196.D
Acq: 29 Jun 2020 18:31

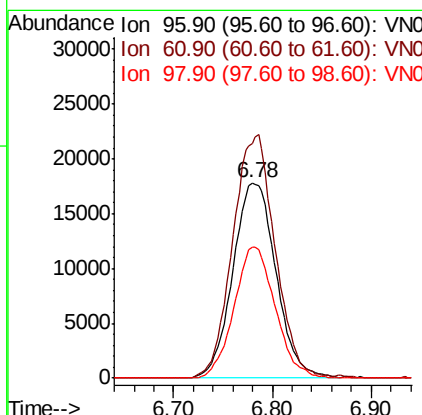
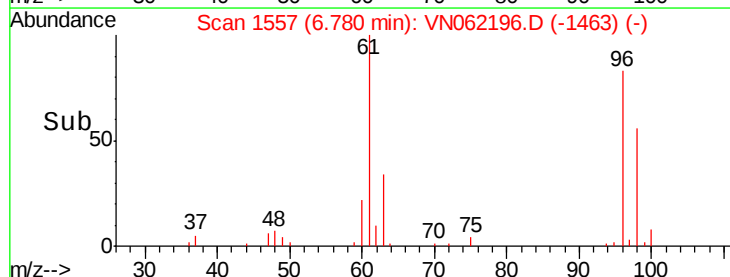
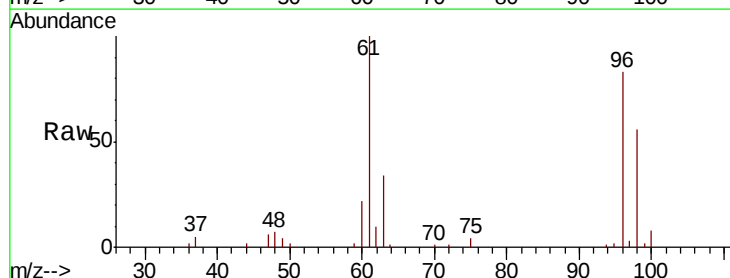
Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622DL

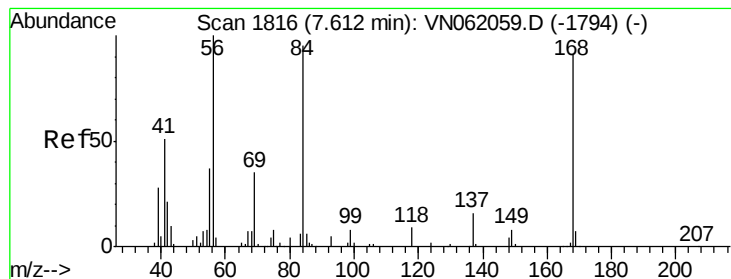
Tot Ion: 43 Resp: 463
Ion Ratio Lower Upper
43 100
74 0.0 22.9 34.3#



#27
cis-1,2-Dichloroethene
Concen: 18.558 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. 0.00 min
Lab File: VN062196.D
Acq: 29 Jun 2020 18:31

Tgt Ion: 96 Resp: 53966
Ion Ratio Lower Upper
96 100
61 122.6 0.0 280.4
98 64.1 0.0 129.4





#31

Cyclohexane

Concen: 1.141 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062196.D

Acq: 29 Jun 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622DL

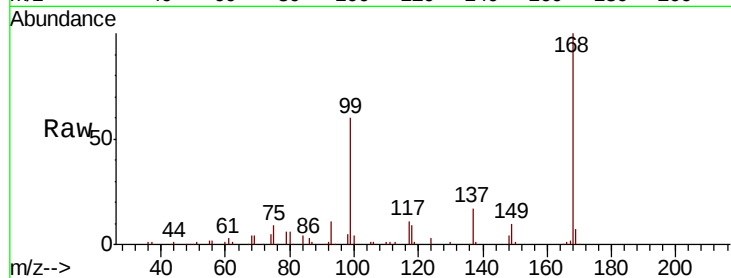
Tot Ion: 56 Resp: 4370

Ion Ratio Lower Upper

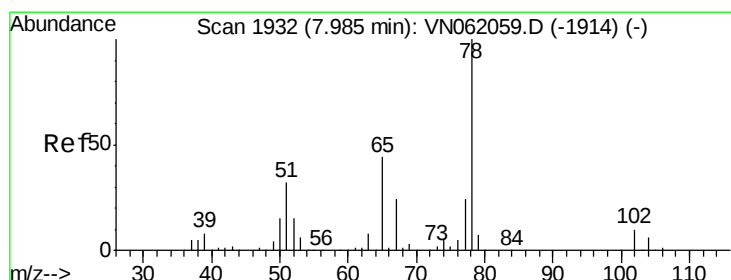
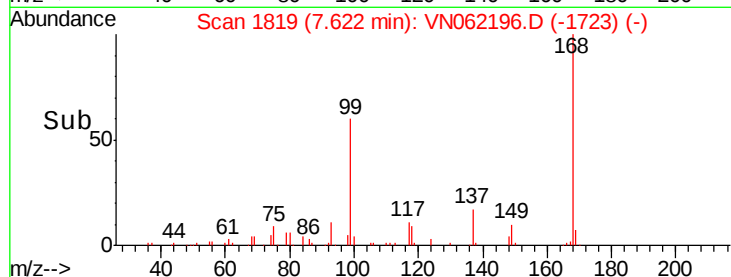
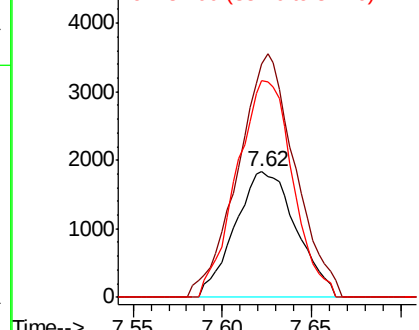
56 100

69 186.2 28.0 42.0#

84 173.2 76.1 114.1#



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



#33

1,2-Dichloroethane-d4

Concen: 53.395 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062196.D

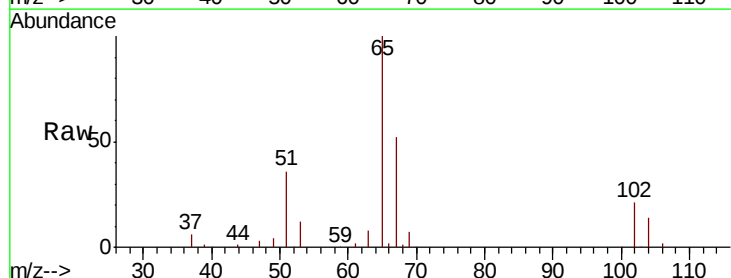
Acq: 29 Jun 2020 18:31

Tgt Ion: 65 Resp: 148033

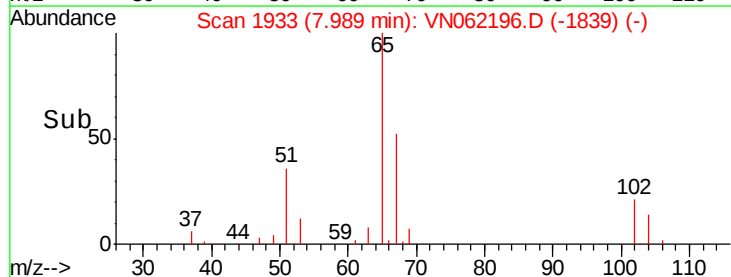
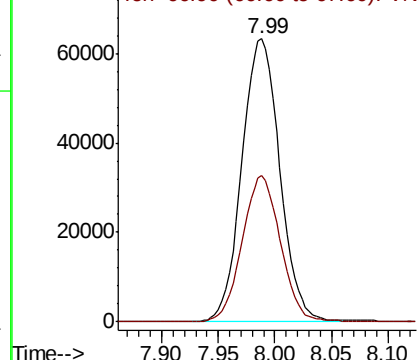
Ion Ratio Lower Upper

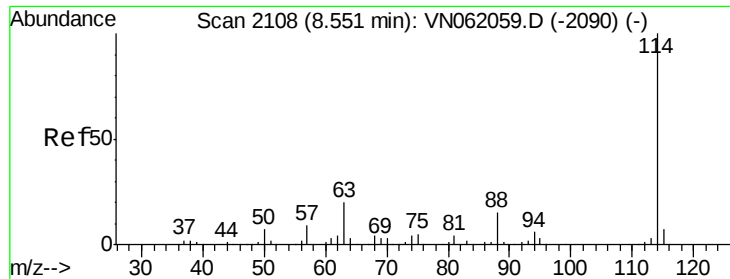
65 100

67 52.1 0.0 106.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062196.D

Acq: 29 Jun 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622DL

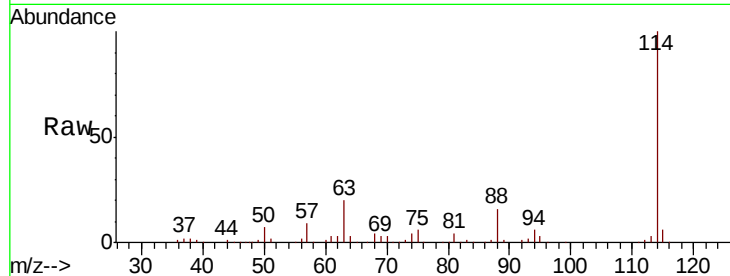
Tot Ion:114 Resp: 379270

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.2

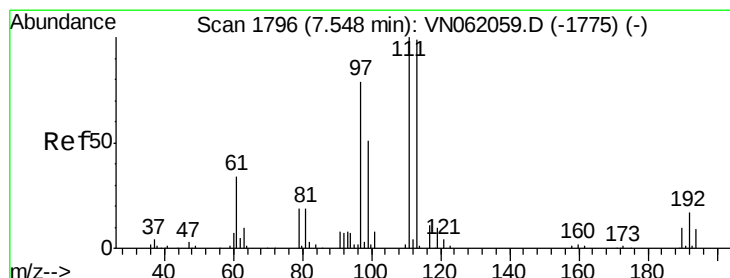
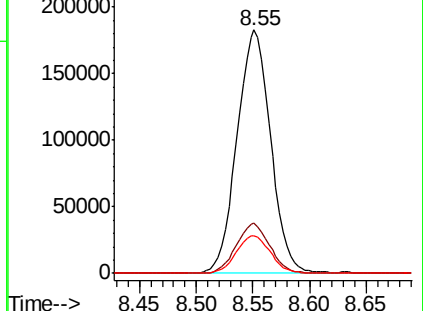
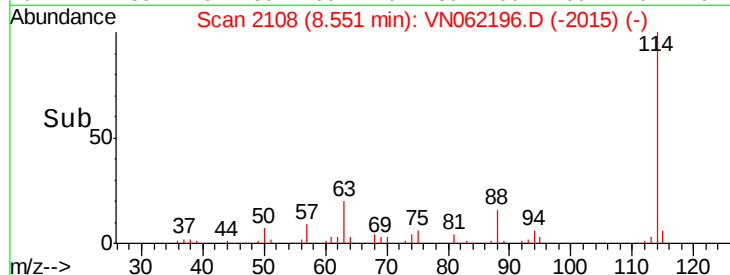
88 15.6 0.0 30.8



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: 50.411 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062196.D

Acq: 29 Jun 2020 18:31

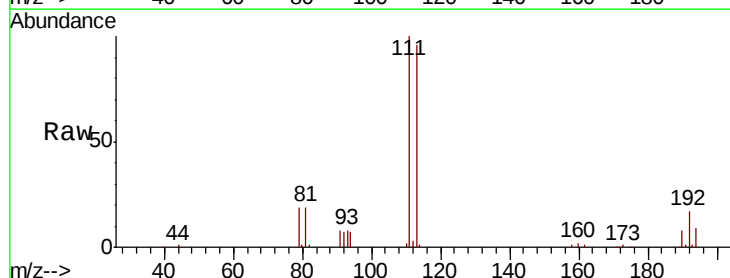
Tgt Ion:113 Resp: 122659

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

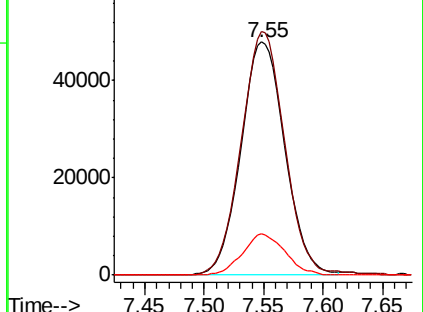
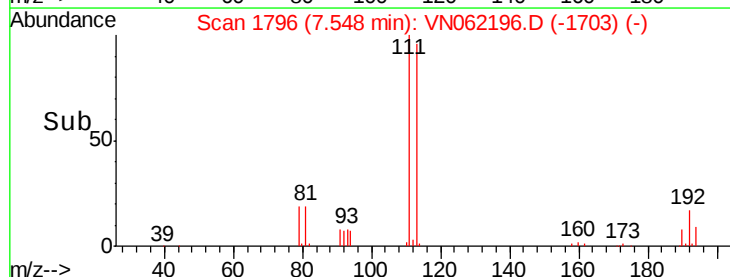
192 17.0 14.0 21.0

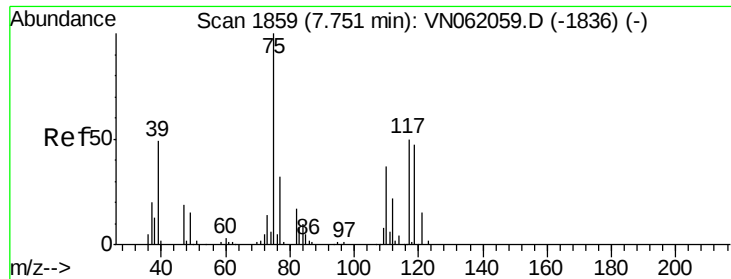


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

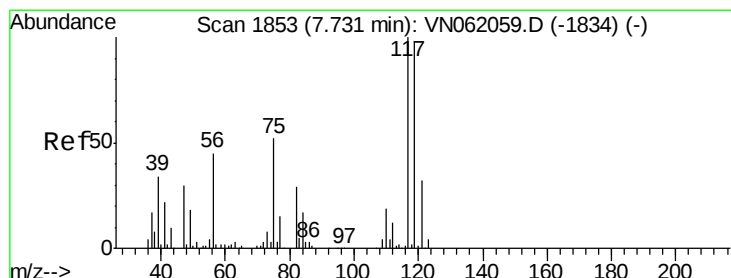
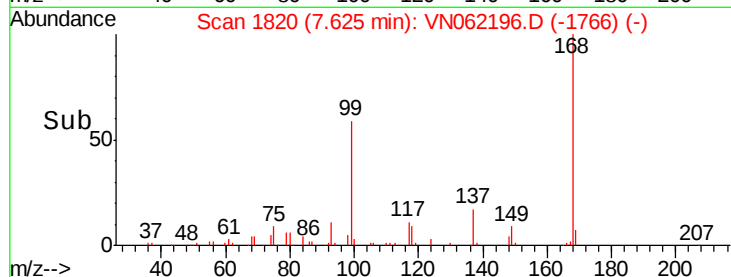
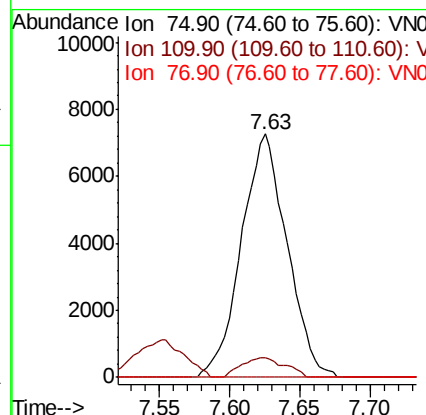
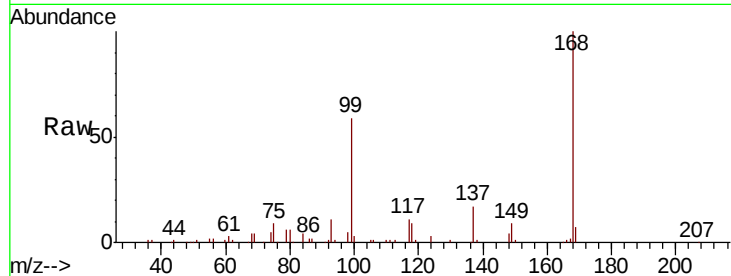




#36
 1,1-Dichloropropene
 Concen: 4.318 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062196.D
 Acq: 29 Jun 2020 18:31

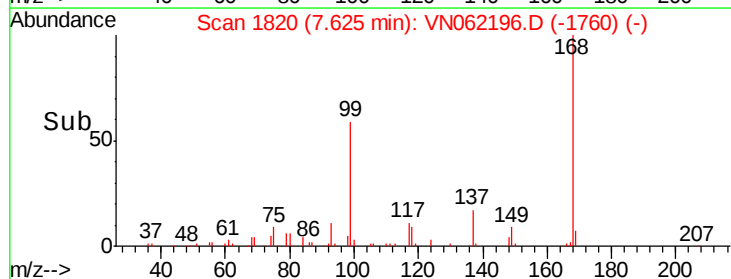
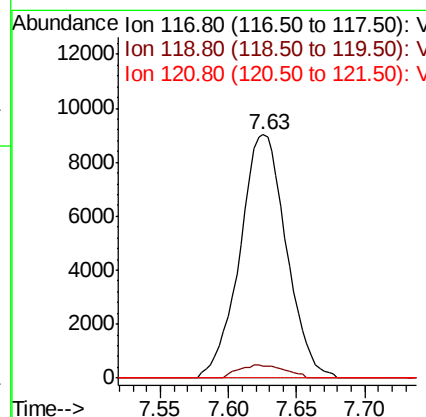
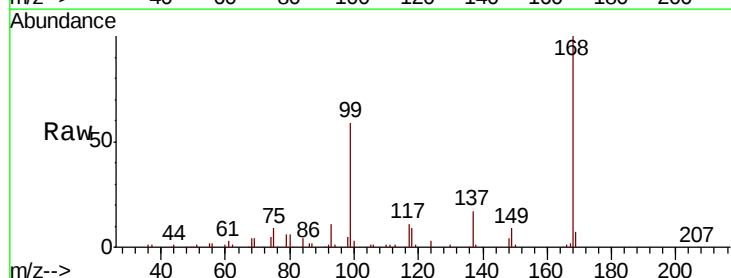
Instrument :
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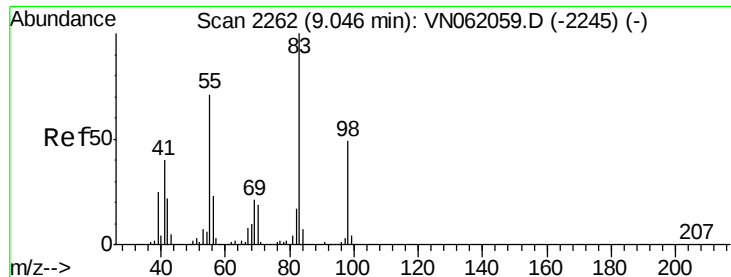
Tot Ion: 75 Resp: 16462
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.9 53.8#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.938 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062196.D
 Acq: 29 Jun 2020 18:31

Tgt Ion: 117 Resp: 21341
 Ion Ratio Lower Upper
 117 100
 119 4.9 78.2 117.2#
 121 0.0 25.8 38.6#

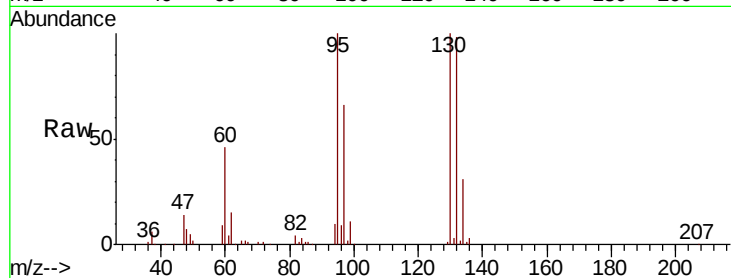




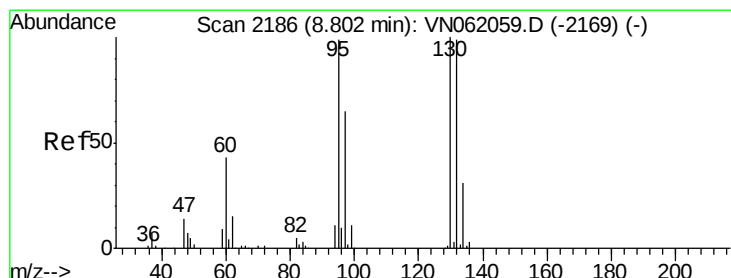
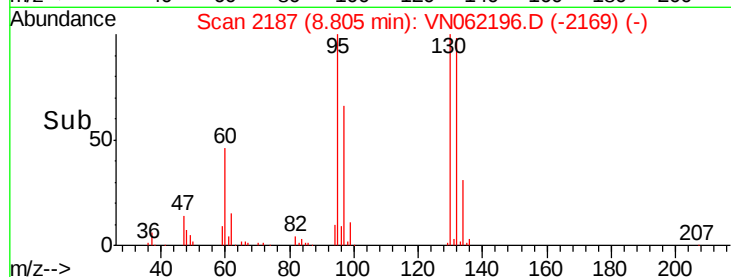
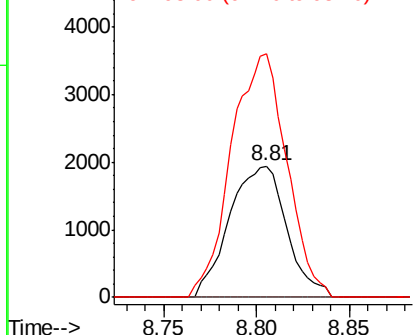
#39
Methylcyclohexane
Concen: 0.999 ug/l
RT: 8.81 min Scan# 2187
Delta R.T. -0.24 min
Lab File: VN062196.D
Acq: 29 Jun 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622DL

Tot Ion: 83 Resp: 4171
Ion Ratio Lower Upper
83 100
55 0.0 57.0 85.6#
98 185.6 39.0 58.6#

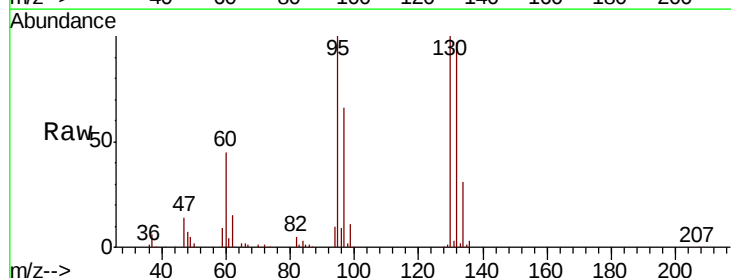


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

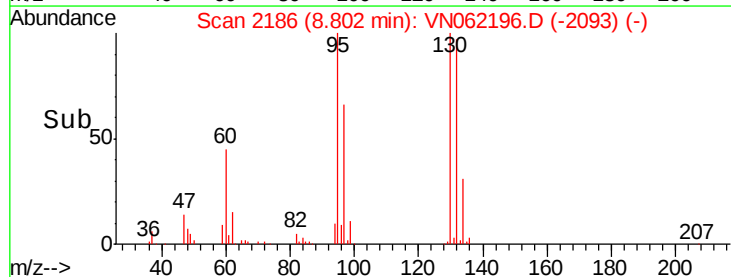
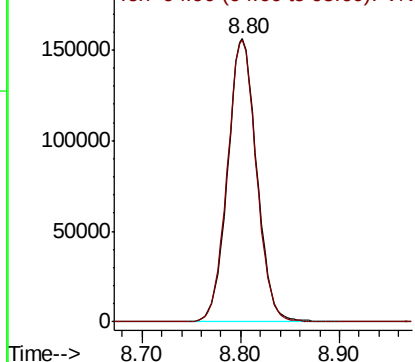


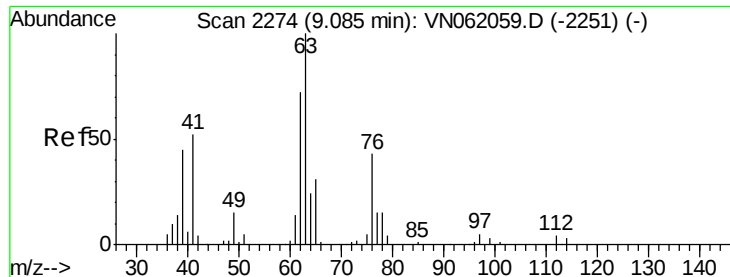
#44
Trichloroethene
Concen: 109.452 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062196.D
Acq: 29 Jun 2020 18:31

Tgt Ion:130 Resp: 320811
Ion Ratio Lower Upper
130 100
95 99.6 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

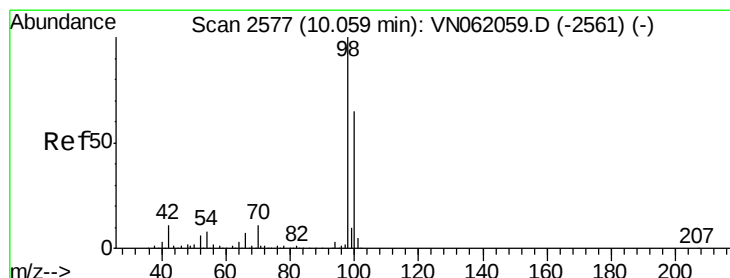
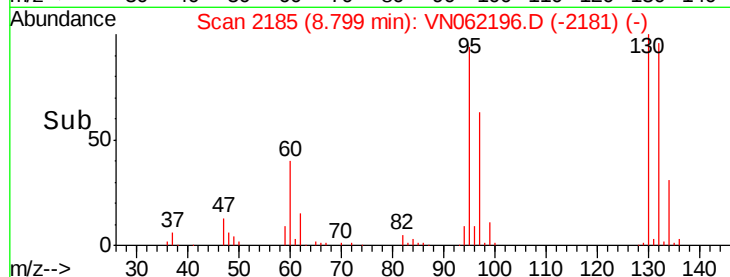
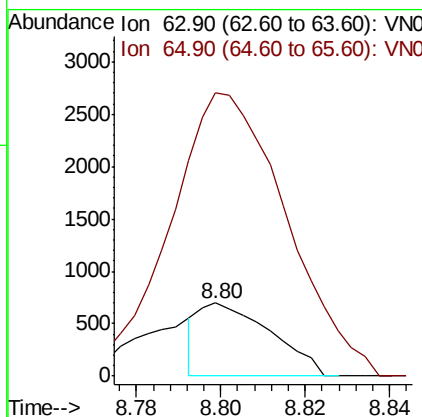
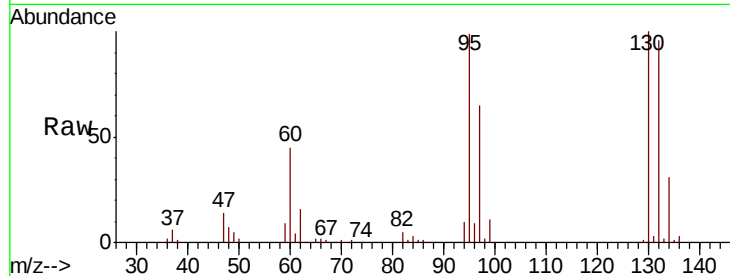




#45
 1,2-Dichloropropane
 Concen: 0.287 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.29 min
 Lab File: VN062196.D
 Acq: 29 Jun 2020 18:31

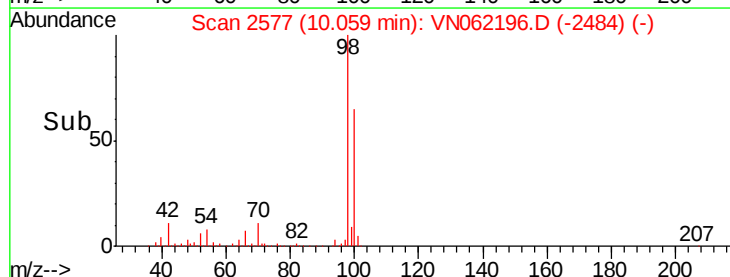
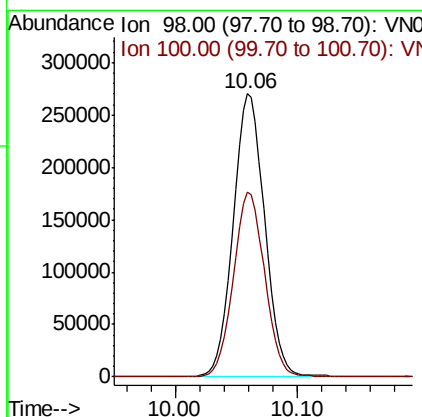
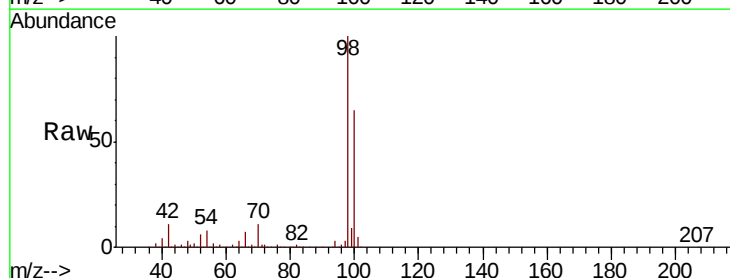
Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622DL

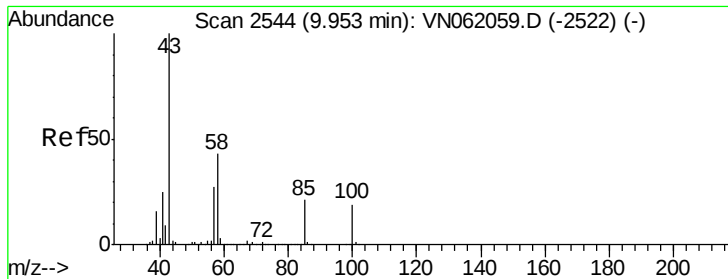
Tot Ion: 63 Resp: 822
 Ion Ratio Lower Upper
 63 100
 65 325.8 25.0 37.4#



#50
 Toluene-d8
 Concen: 49.677 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN062196.D
 Acq: 29 Jun 2020 18:31

Tgt Ion: 98 Resp: 483177
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.2 76.8

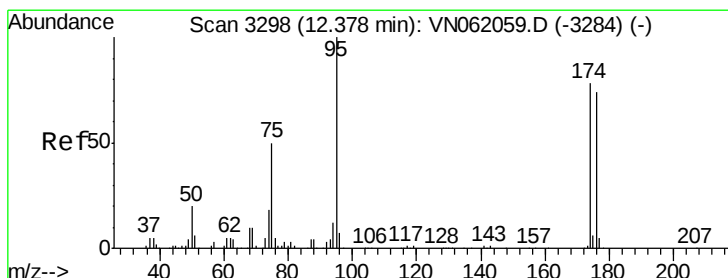
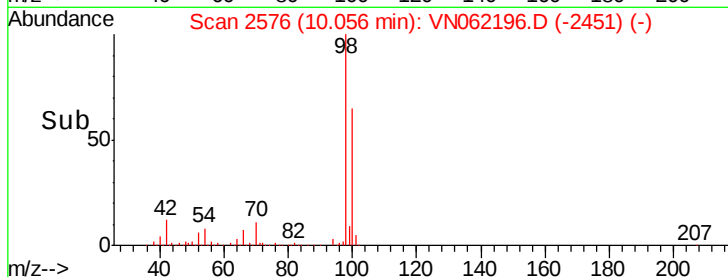
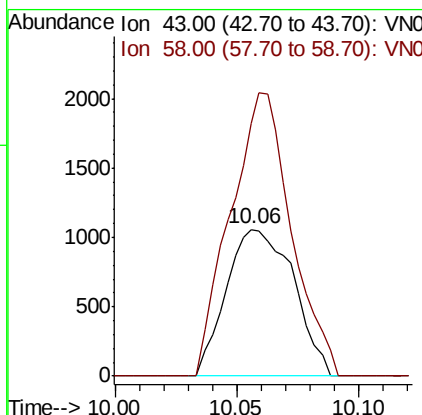
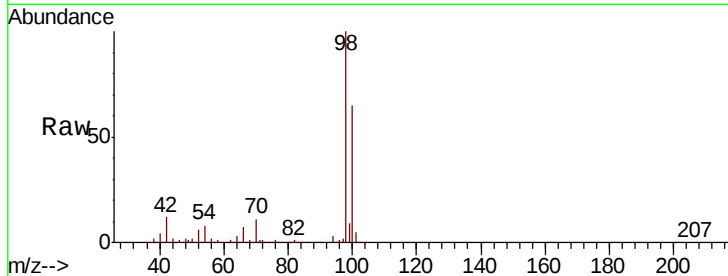




#51
4-Methyl-2-Pentanone
Concen: 0.673 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. 0.10 min
Lab File: VN062196.D
Acq: 29 Jun 2020 18:31

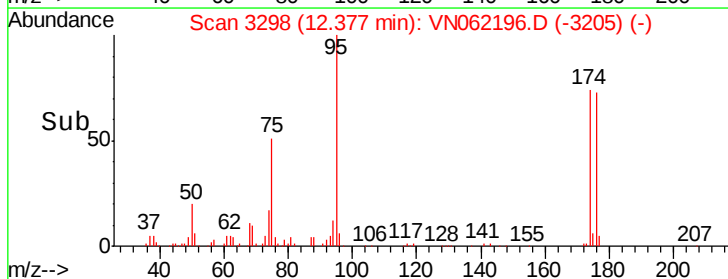
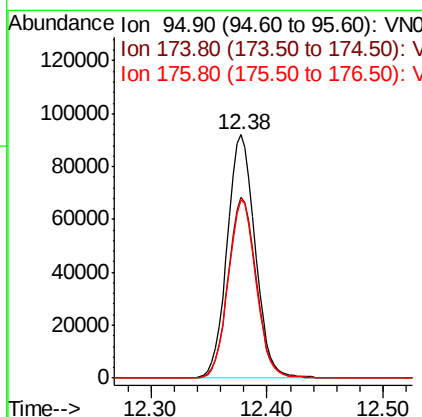
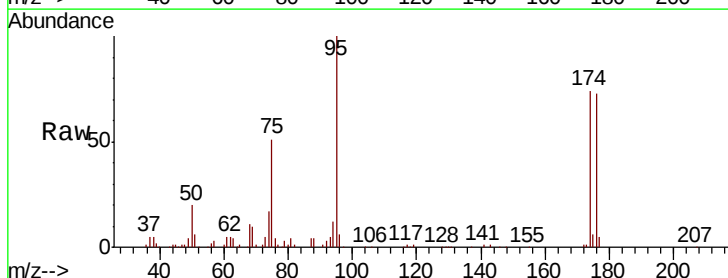
Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622DL

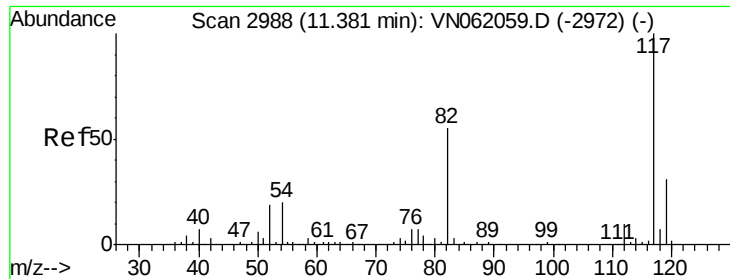
Tot Ion: 43 Resp: 2024
Ion Ratio Lower Upper
43 100
58 174.6 34.2 51.2#



#62
4-Bromofluorobenzene
Concen: 46.880 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062196.D
Acq: 29 Jun 2020 18:31

Tgt Ion: 95 Resp: 154054
Ion Ratio Lower Upper
95 100
174 74.6 0.0 154.8
176 72.3 0.0 147.4

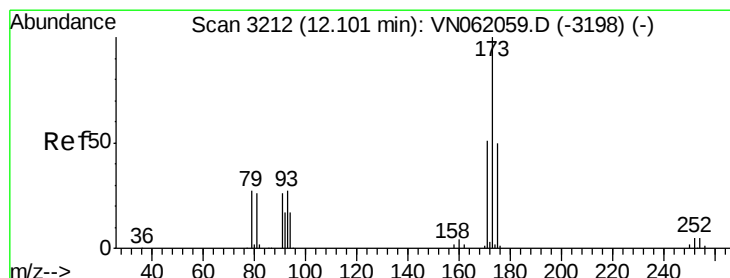
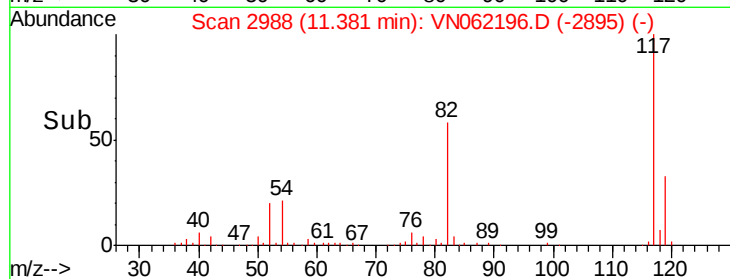
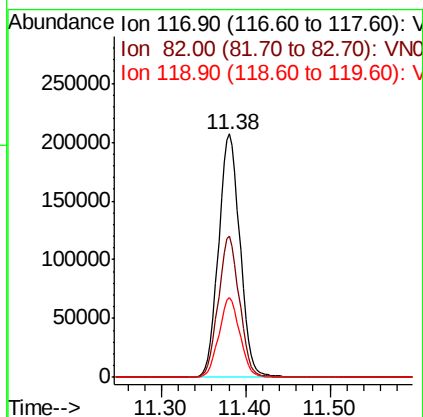
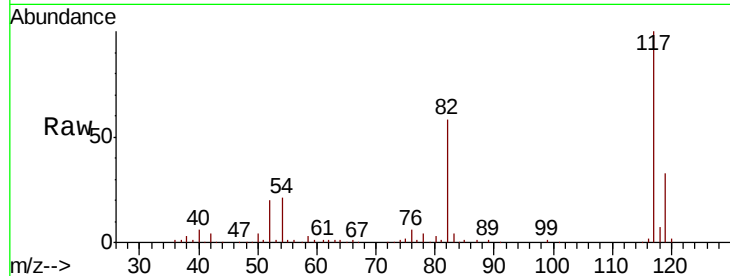




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062196.D
Acq: 29 Jun 2020 18:31

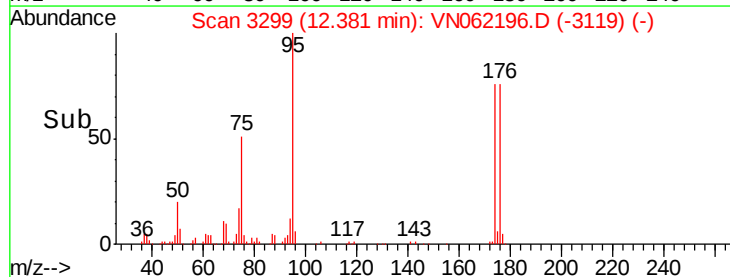
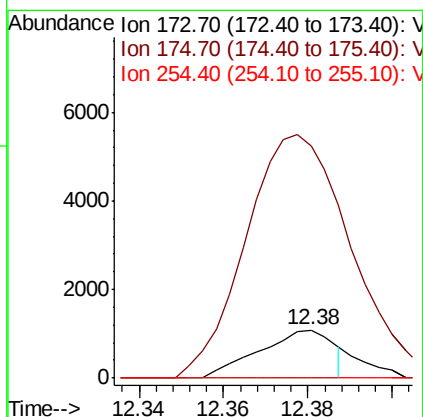
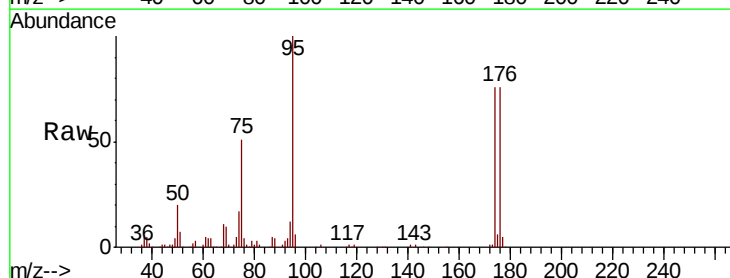
Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622DL

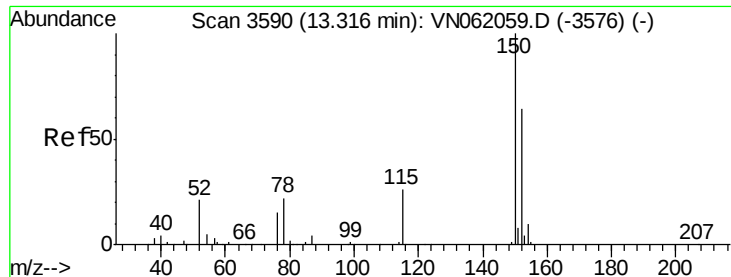
Tot Ion:117 Resp: 365718
Ion Ratio Lower Upper
117 100
82 57.8 43.8 65.8
119 32.7 25.2 37.8



#71
Bromoform
Concen: 0.671 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062196.D
Acq: 29 Jun 2020 18:31

Tgt Ion:173 Resp: 1325
Ion Ratio Lower Upper
173 100
175 590.2 24.7 74.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062196.D

Acq: 29 Jun 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622DL

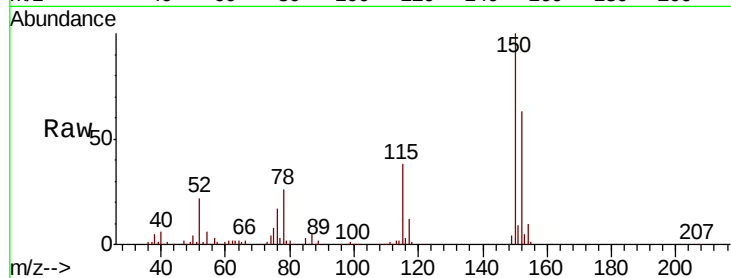
Tot Ion:152 Resp: 131352

Ion Ratio Lower Upper

152 100

115 61.0 29.5 88.5

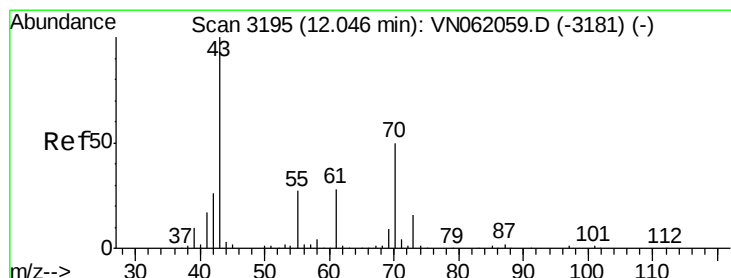
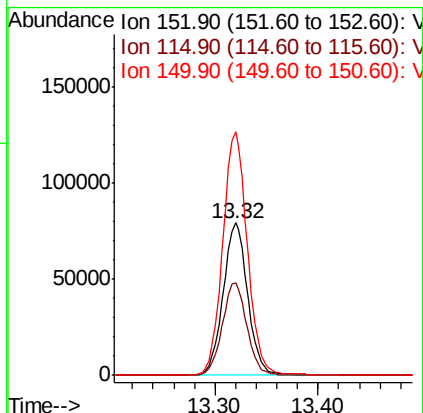
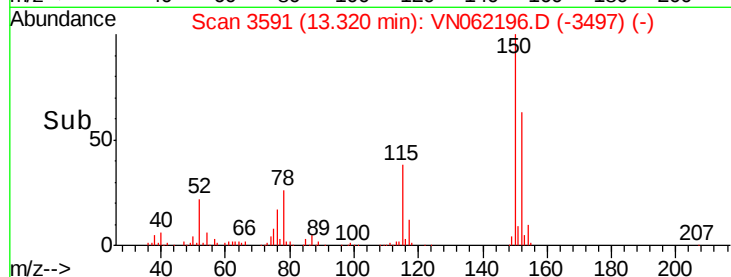
150 159.6 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 3.350 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.07 min

Lab File: VN062196.D

Acq: 29 Jun 2020 18:31

Tgt Ion: 43 Resp: 29

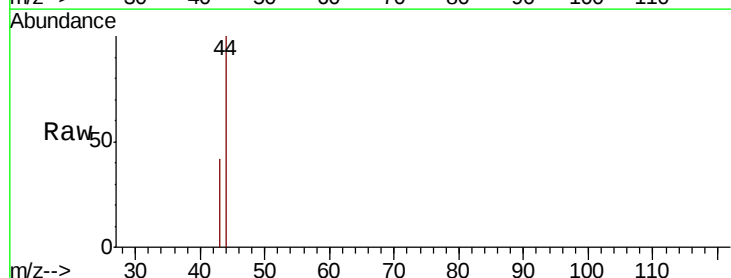
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

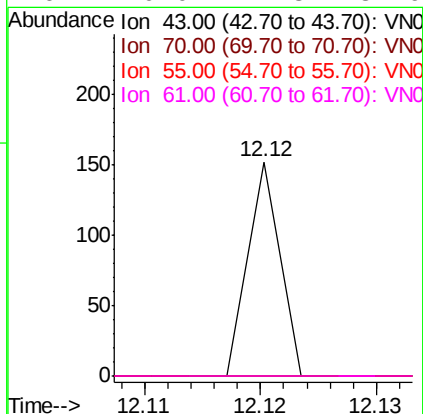
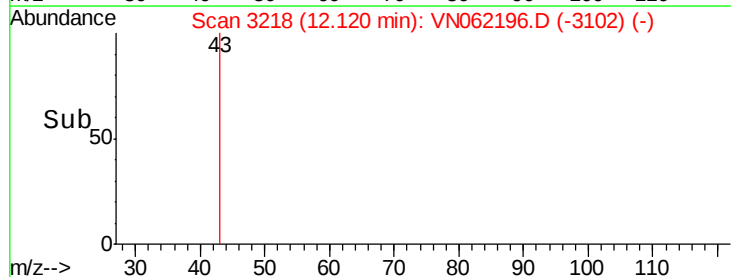


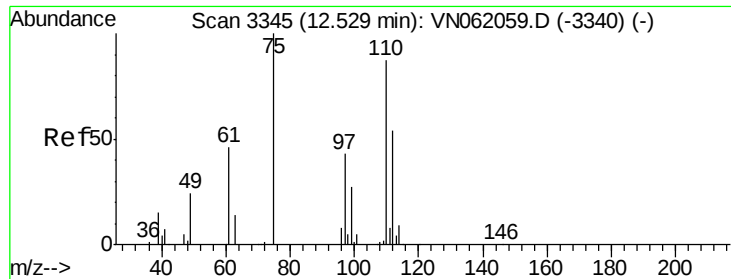
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 25.712 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062196.D

Acq: 29 Jun 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

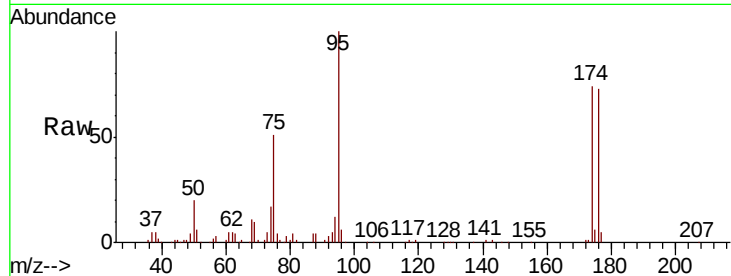
56BR-20200622DL

Tot Ion: 75 Resp: 79505

Ion Ratio Lower Upper

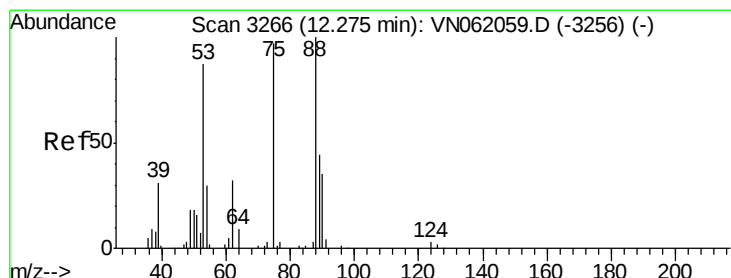
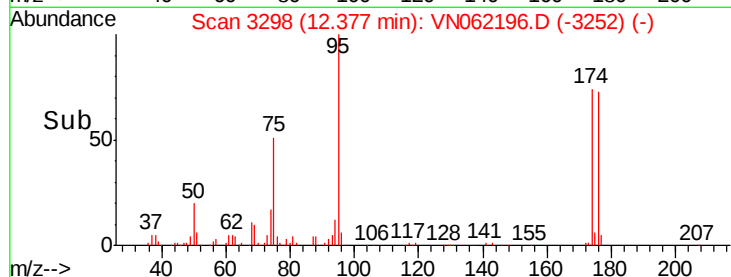
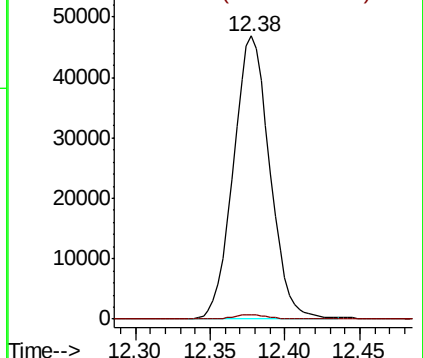
75 100

77 1.4 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: 75.089 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062196.D

Acq: 29 Jun 2020 18:31

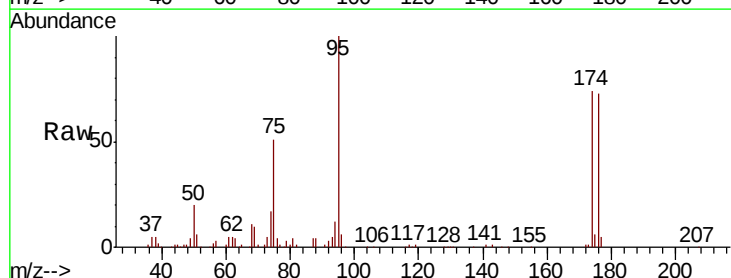
Tgt Ion: 75 Resp: 79505

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#



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

