

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063642.D
 Acq On : 24 Sep 2020 20:40
 Operator : JC/MD
 Sample : L4119-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB02-20200921

Quant Time: Sep 25 03:51:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	197125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	372504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	376462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	160343	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	170033	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
35) Dibromofluoromethane	7.55	113	123127	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
50) Toluene-d8	10.06	98	482269	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.38	95	187589	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	

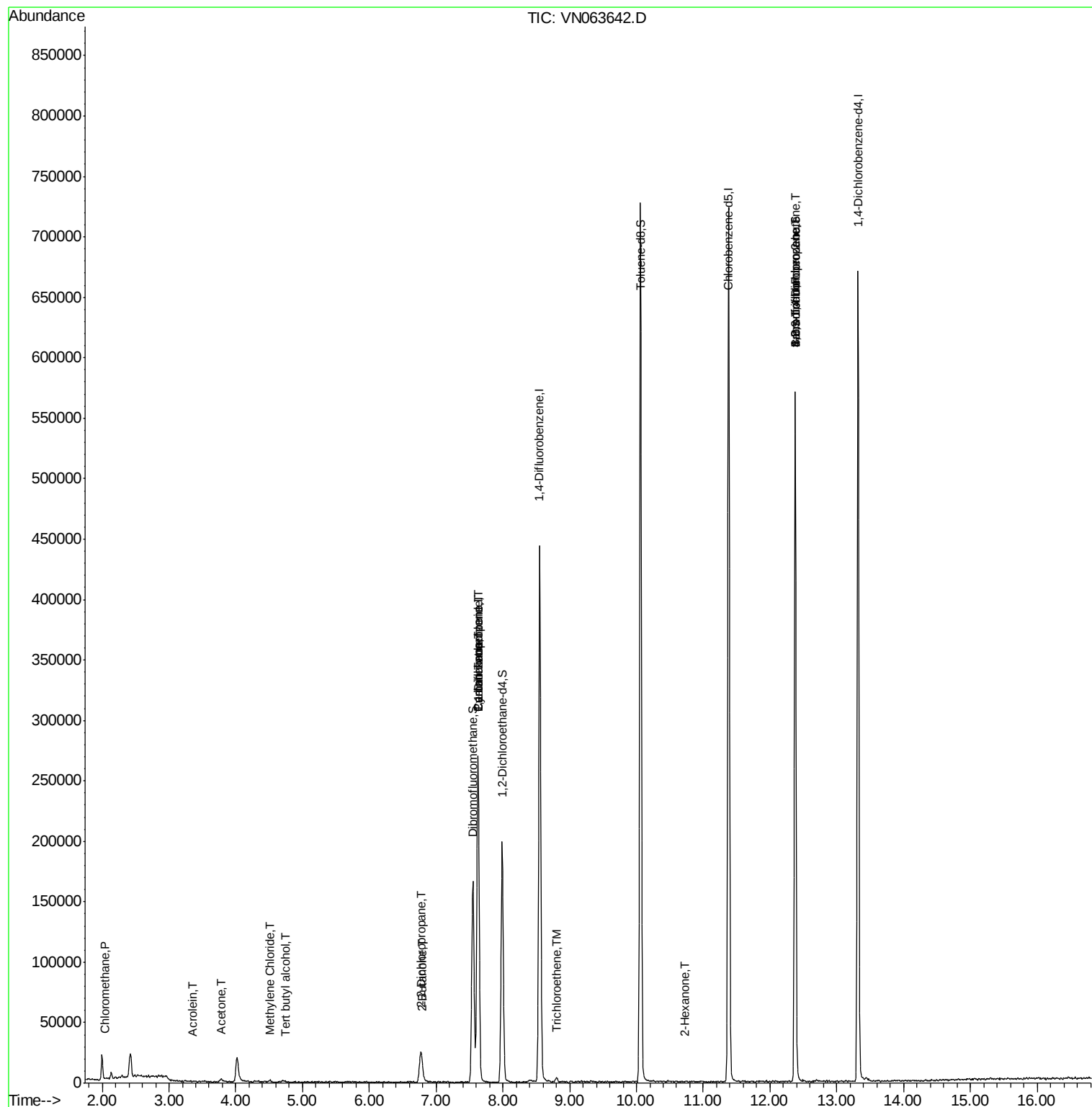
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1157	0.392	ug/l #	80
11) Tert butyl alcohol	4.74	59	232	0.499	ug/l #	72
13) Acrolein	3.36	56	110	0.639	ug/l #	13
16) Acetone	3.78	43	4411	4.090	ug/l	95
20) Methylene Chloride	4.52	84	872	0.319	ug/l #	45
25) 2-Butanone	6.79	43	1773	1.069	ug/l #	51
26) 2,2-Dichloropropane	6.77	77	1897	0.440	ug/l #	55
31) Cyclohexane	7.63	56	5489	1.184	ug/l #	24
36) 1,1-Dichloropropene	7.63	75	19495	4.912	ug/l #	48
38) Carbon Tetrachloride	7.63	117	21733	5.365	ug/l #	17
44) Trichloroethene	8.80	130	1145	0.417	ug/l	75
59) 2-Hexanone	10.72	43	825	0.292	ug/l #	28
71) Bromoform	12.37	173	554	0.254	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	106912	26.939	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	106912	73.856	ug/l #	7

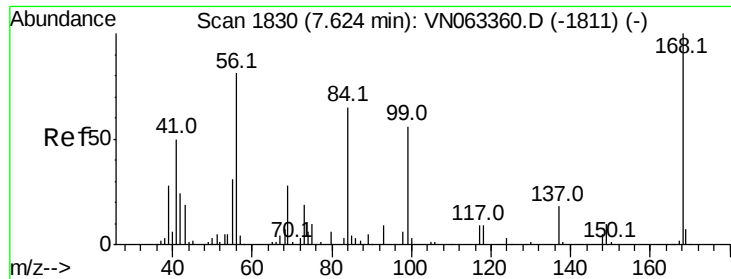
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092420\
Data File : VN063642.D
Acq On : 24 Sep 2020 20:40
Operator : JC/MD
Sample : L4119-11
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB02-20200921

Quant Time: Sep 25 03:51:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 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: VN063642.D

Acq: 24 Sep 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

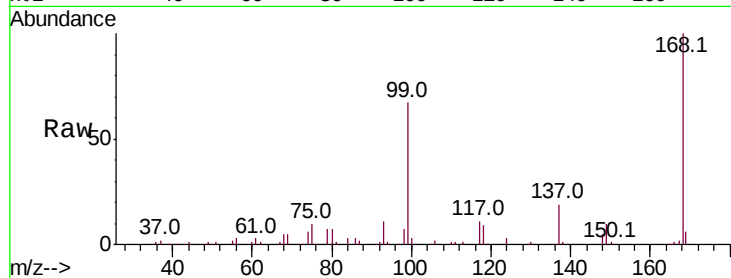
FB02-20200921

Tot Ion:168 Resp: 197125

Ion Ratio Lower Upper

168 100

99 66.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): VN063360.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-1811) (-)

7.63

80000

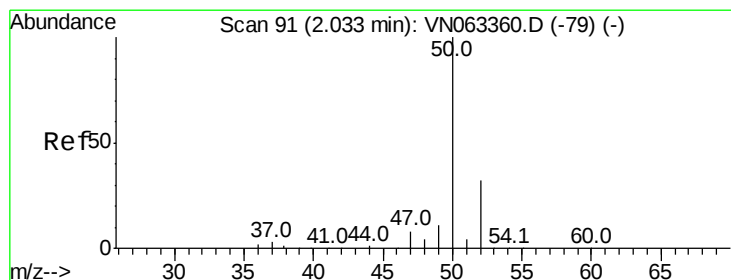
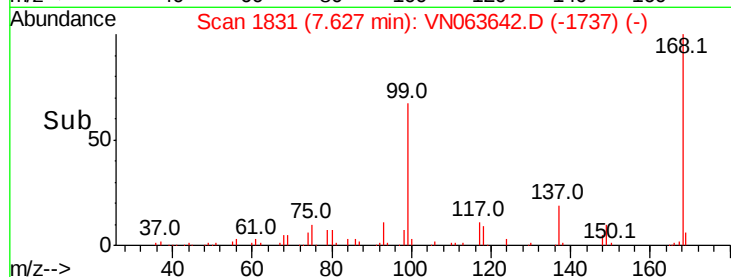
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.392 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063642.D

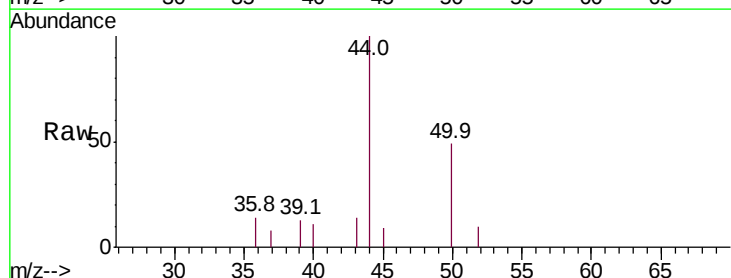
Acq: 24 Sep 2020 20:40

Tgt Ion: 50 Resp: 1157

Ion Ratio Lower Upper

50 100

52 21.1 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN063360.D (-79) (-)

Ion 51.90 (51.60 to 52.60): VN063360.D (-79) (-)

2.04

1000

800

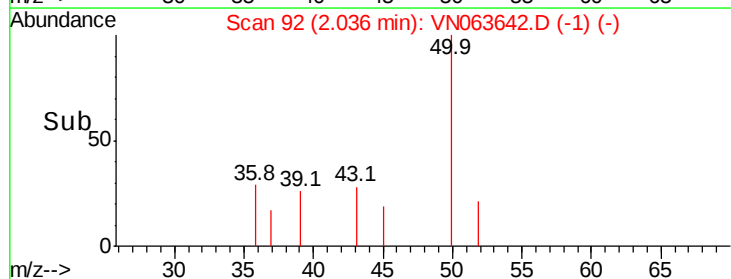
600

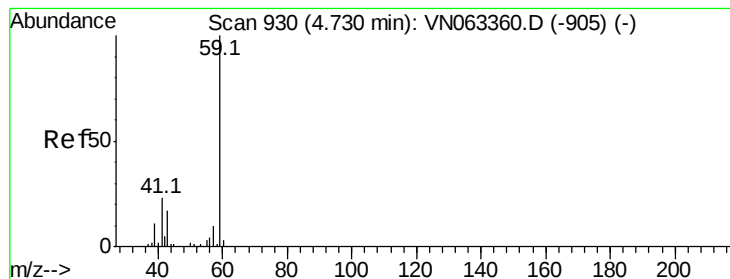
400

200

0

Time--> 2.00 2.02 2.04 2.06



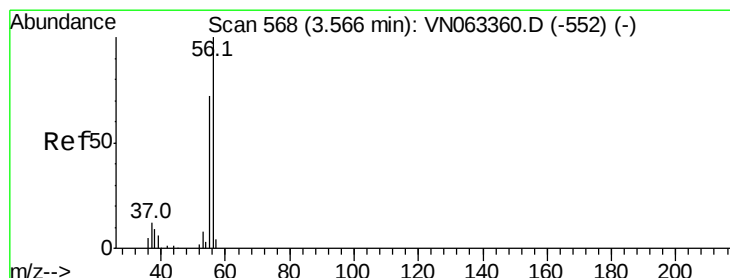
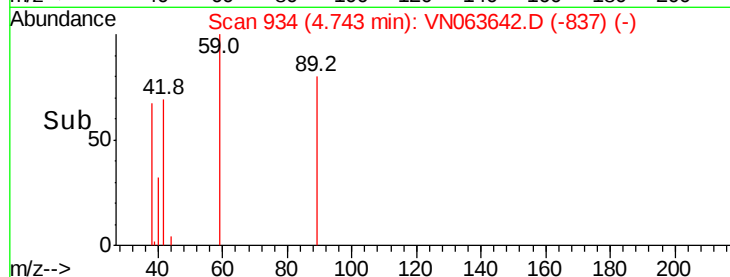
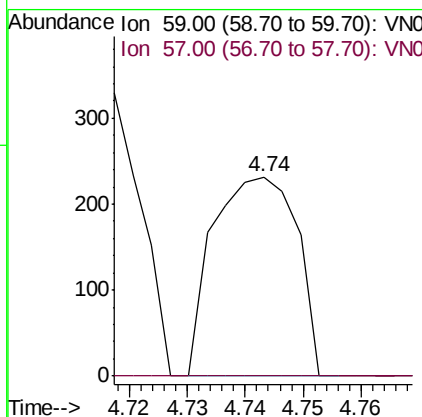
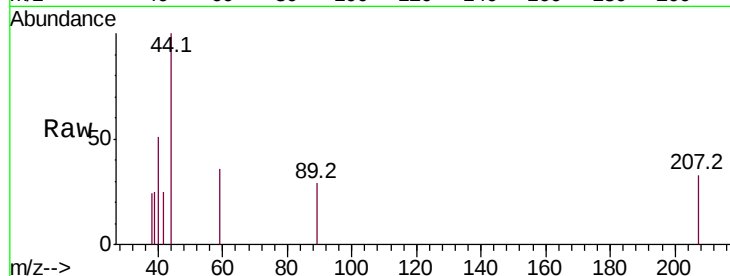


#11

Tert butyl alcohol
 Concen: 0.499 ug/l
 RT: 4.74 min Scan# 934
 Delta R.T. 0.01 min
 Lab File: VN063642.D
 Acq: 24 Sep 2020 20:40

Instrument :
 MSVOA_N
 ClientSampleId :
 FB02-20200921

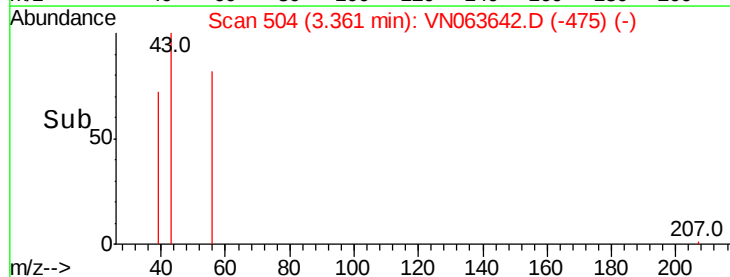
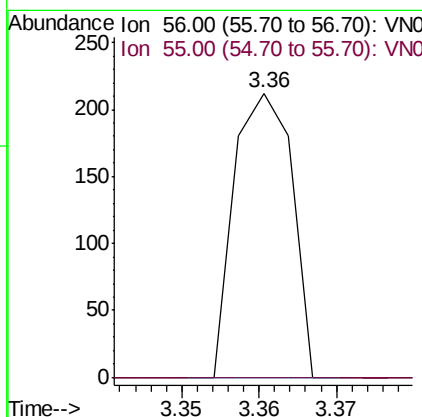
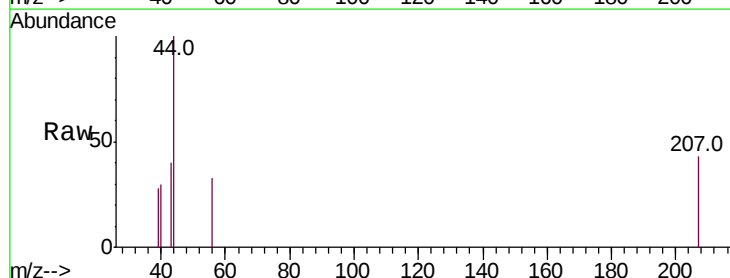
Tot Ion: 59 Resp: 232
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

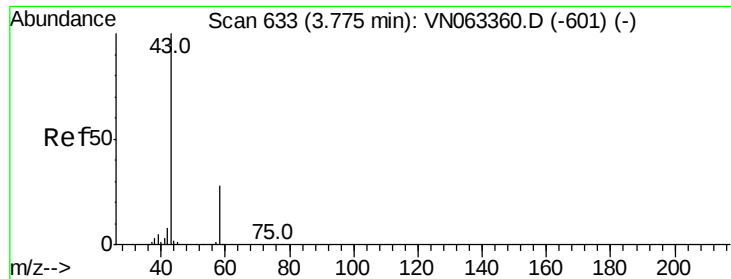


#13

Acrolein
 Concen: 0.639 ug/l
 RT: 3.36 min Scan# 504
 Delta R.T. -0.21 min
 Lab File: VN063642.D
 Acq: 24 Sep 2020 20:40

Tgt Ion: 56 Resp: 110
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.2 87.2#





#16

Acetone

Concen: 4.090 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063642.D

Acq: 24 Sep 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

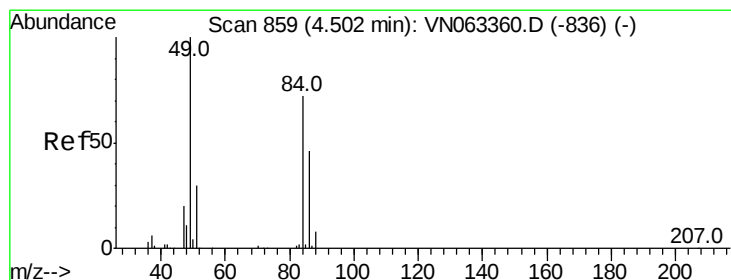
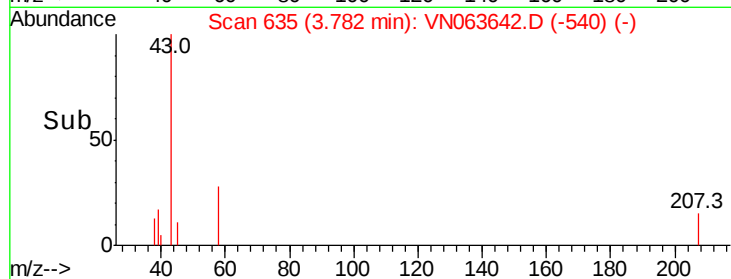
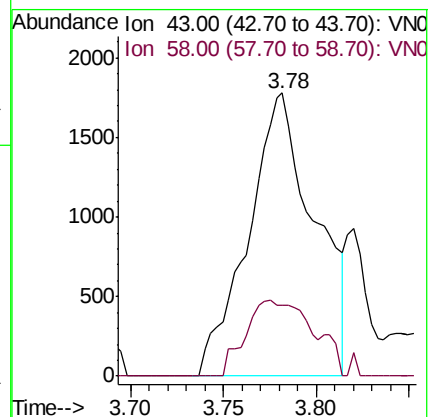
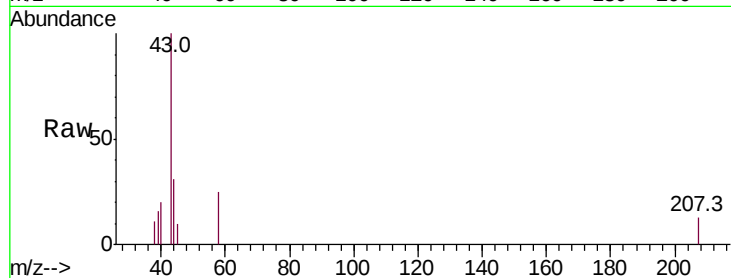
FB02-20200921

Tot Ion: 43 Resp: 4411

Ion Ratio Lower Upper

43 100

58 25.0 22.3 33.5



#20

Methylene Chloride

Concen: 0.319 ug/l

RT: 4.52 min Scan# 864

Delta R.T. 0.02 min

Lab File: VN063642.D

Acq: 24 Sep 2020 20:40

Tgt Ion: 84 Resp: 872

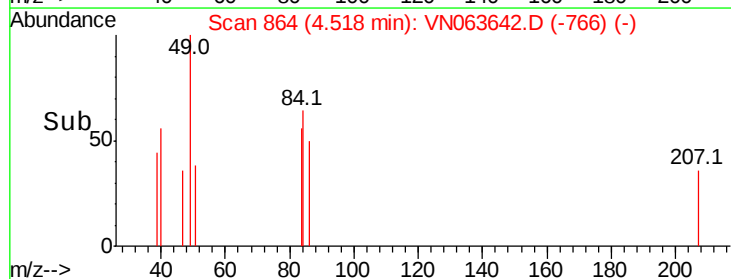
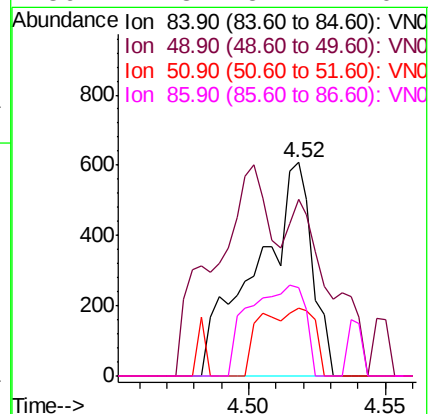
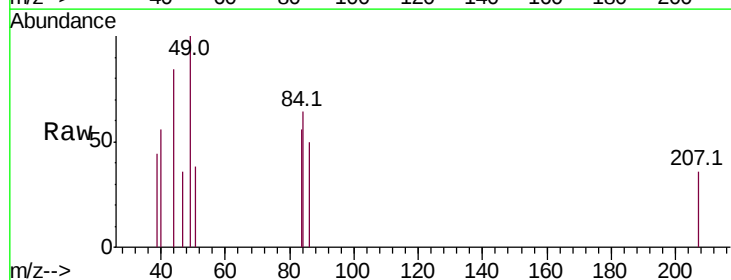
Ion Ratio Lower Upper

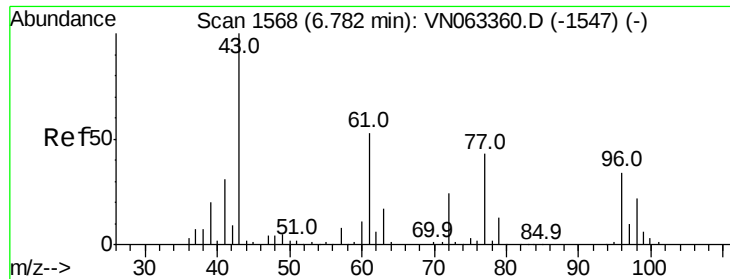
84 100

49 43.6 110.7 166.1#

51 31.7 32.9 49.3#

86 41.3 51.1 76.7#

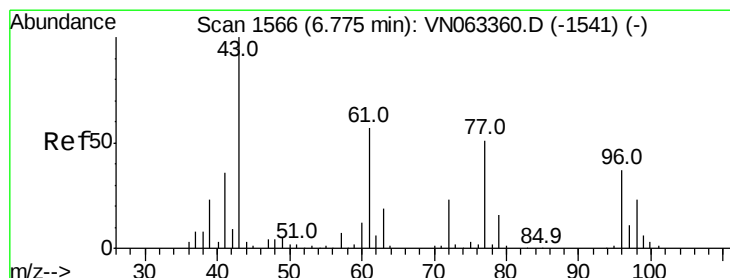
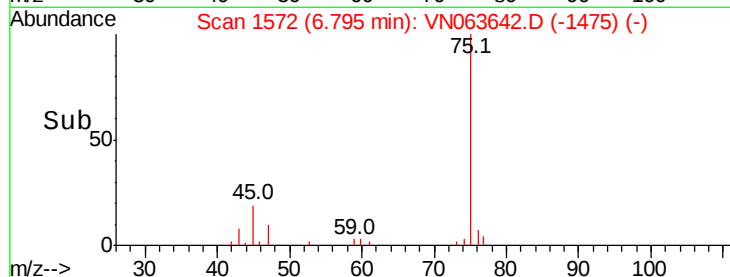
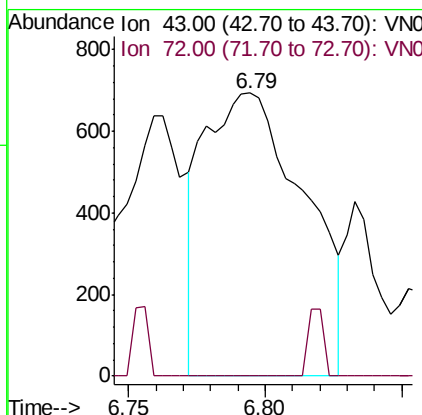
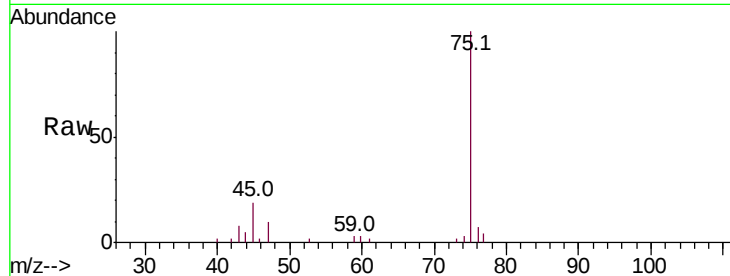




#25
2-Butanone
Concen: 1.069 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN063642.D
Acq: 24 Sep 2020 20:40

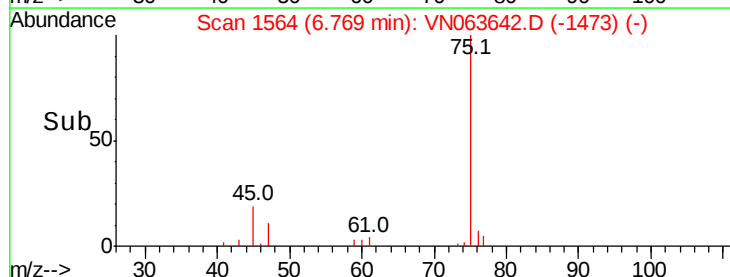
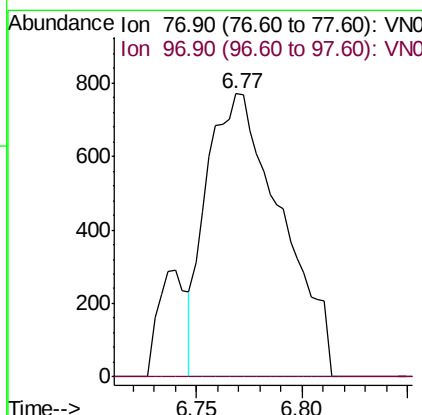
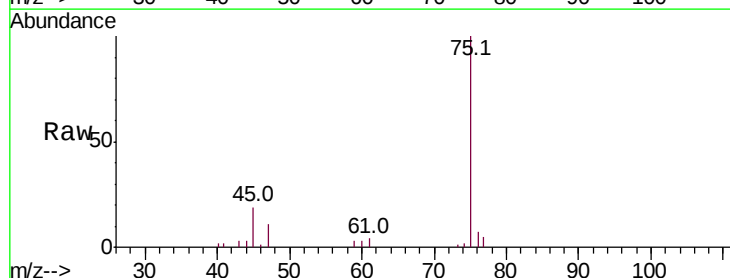
Instrument :
MSVOA_N
ClientSampleId :
FB02-20200921

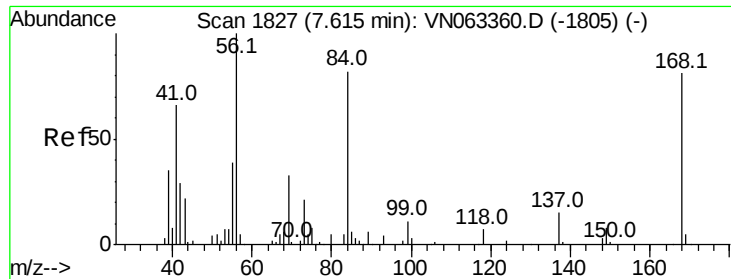
Tot Ion: 43 Resp: 1773
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



#26
2,2-Dichloropropane
Concen: 0.440 ug/l
RT: 6.77 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN063642.D
Acq: 24 Sep 2020 20:40

Tgt Ion: 77 Resp: 1897
Ion Ratio Lower Upper
77 100
97 0.0 10.5 31.6#

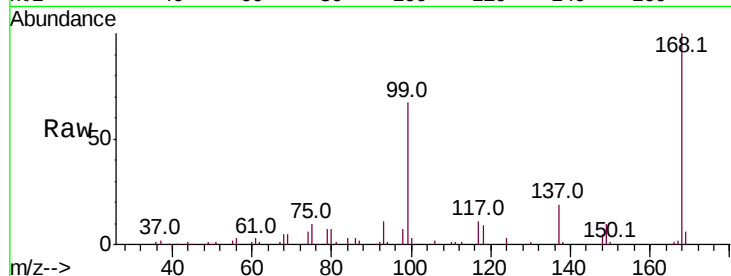




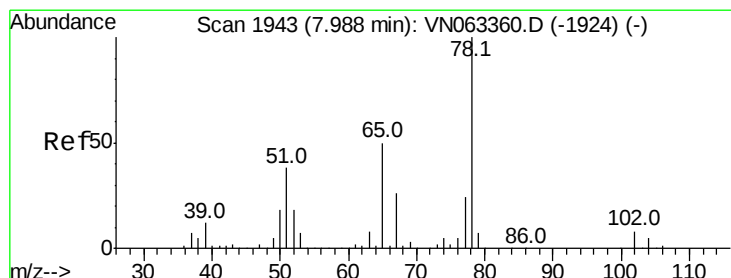
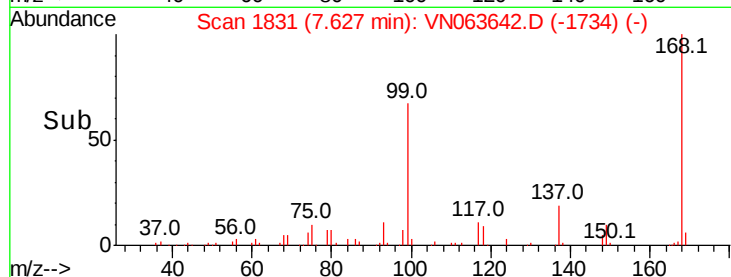
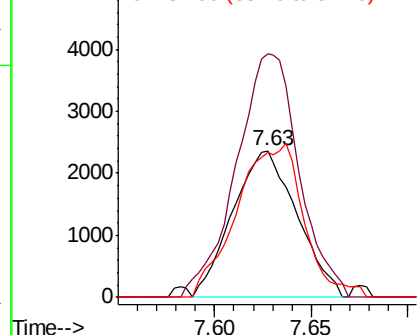
#31
Cyclohexane
Concen: 1.184 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063642.D
Acq: 24 Sep 2020 20:40

Instrument :
MSVOA_N
ClientSampleId :
FB02-20200921

Tot Ion: 56 Resp: 5489
Ion Ratio Lower Upper
56 100
69 156.1 26.1 39.1#
84 98.4 65.4 98.2#

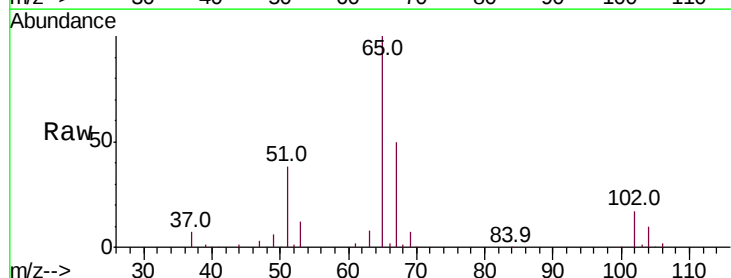


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

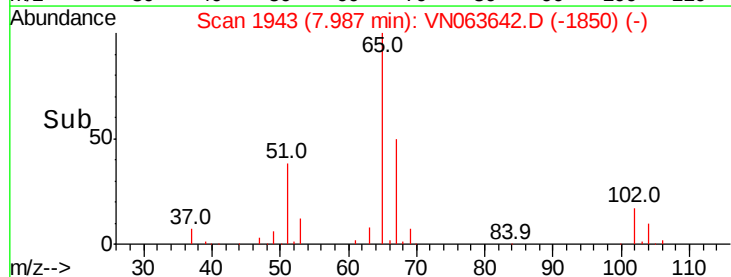
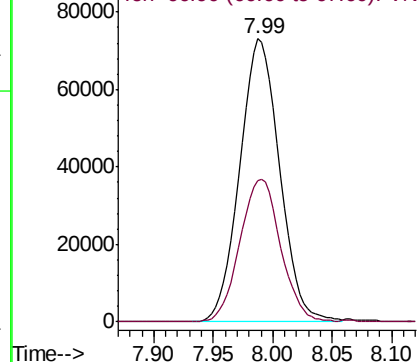


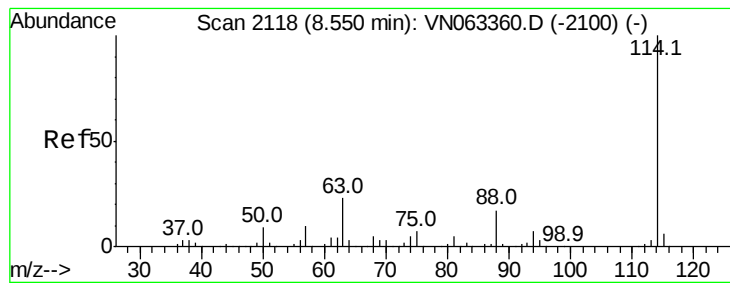
#33
1,2-Dichloroethane-d4
Concen: 50.672 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063642.D
Acq: 24 Sep 2020 20:40

Tgt Ion: 65 Resp: 170033
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.2



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: VN063642.D

Acq: 24 Sep 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

FB02-20200921

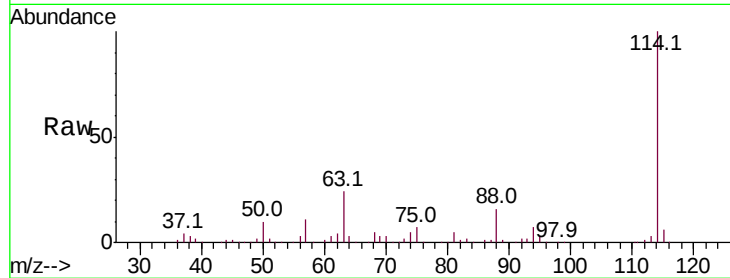
Tot Ion:114 Resp: 372504

Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.4

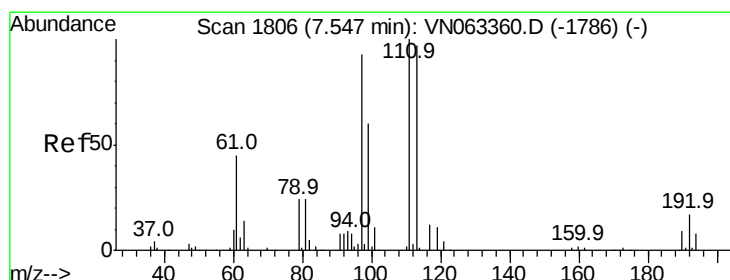
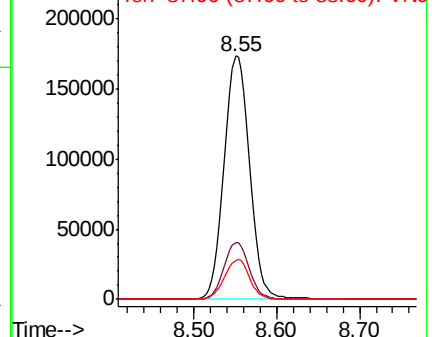
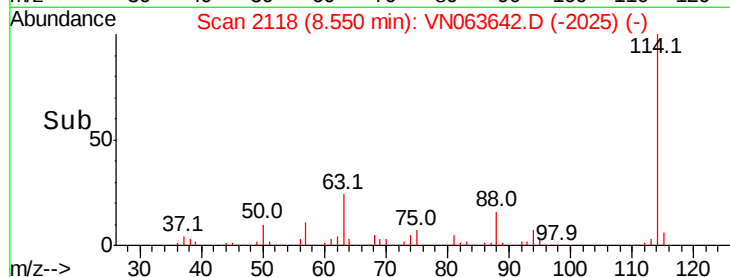
88 16.2 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.746 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063642.D

Acq: 24 Sep 2020 20:40

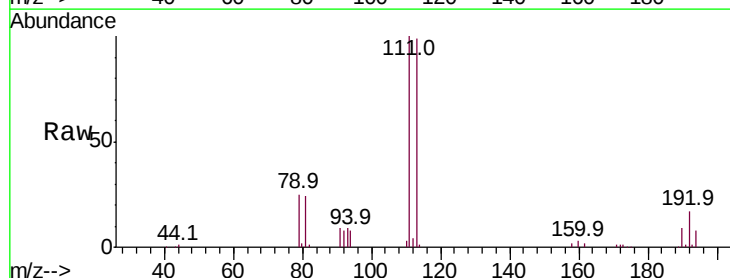
Tgt Ion:113 Resp: 123127

Ion Ratio Lower Upper

113 100

111 103.3 82.9 124.3

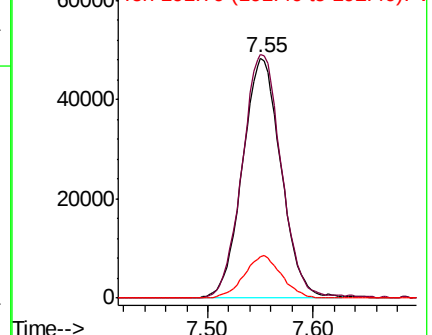
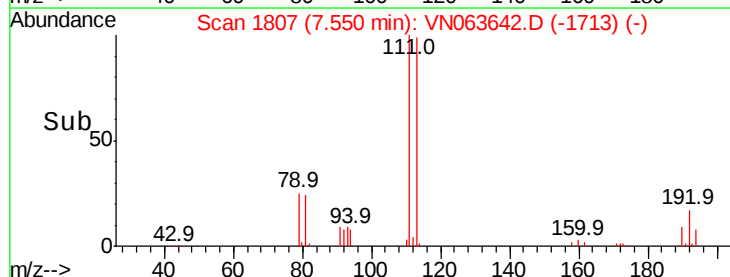
192 17.1 13.9 20.9

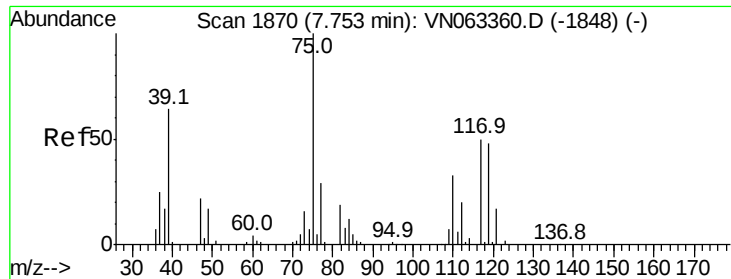


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.912 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.12 min

Lab File: VN063642.D

Acq: 24 Sep 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

FB02-20200921

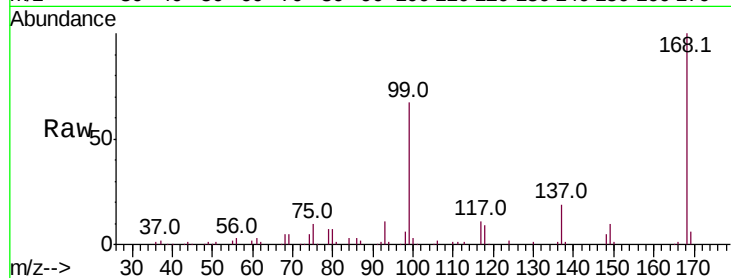
Tot Ion: 75 Resp: 19495

Ion Ratio Lower Upper

75 100

110 5.5 16.5 49.5#

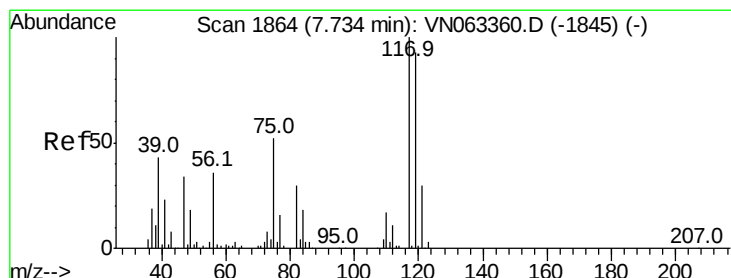
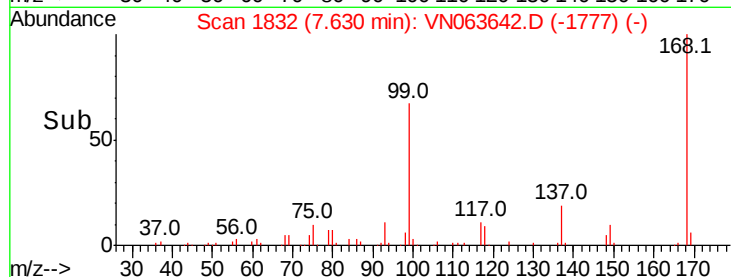
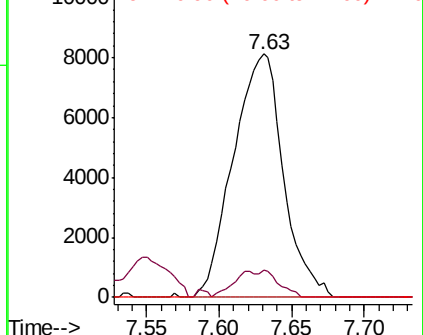
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 5.365 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063642.D

Acq: 24 Sep 2020 20:40

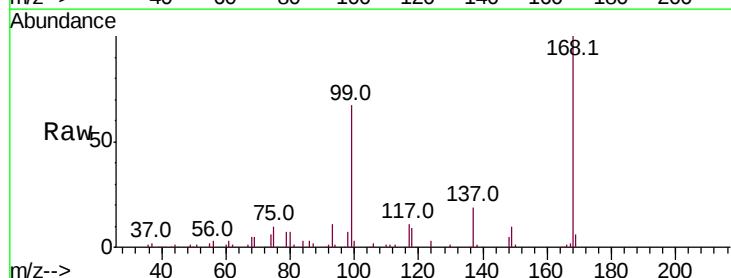
Tgt Ion: 117 Resp: 21733

Ion Ratio Lower Upper

117 100

119 4.2 74.5 111.7#

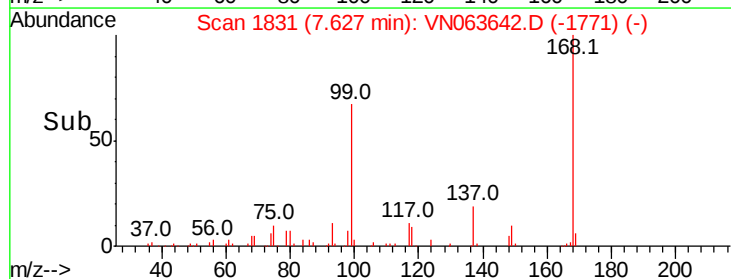
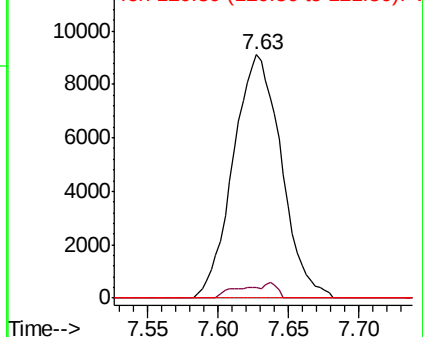
121 0.0 24.1 36.1#

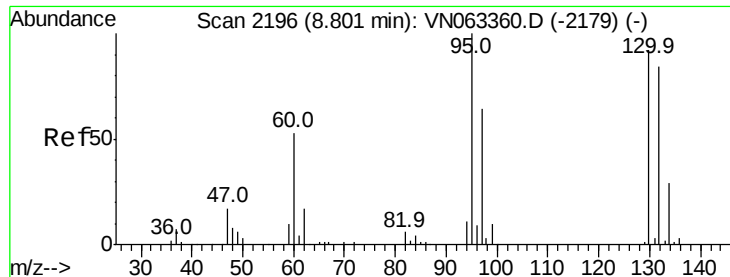


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.417 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063642.D

Acq: 24 Sep 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

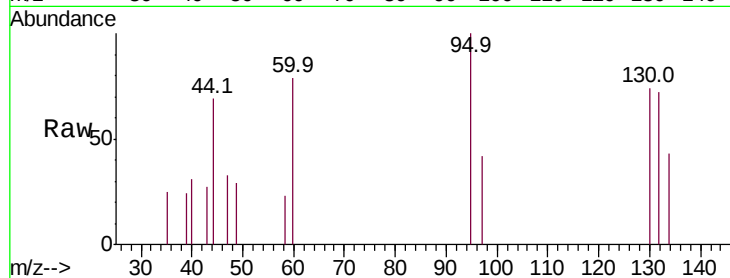
FB02-20200921

Tot Ion:130 Resp: 1145

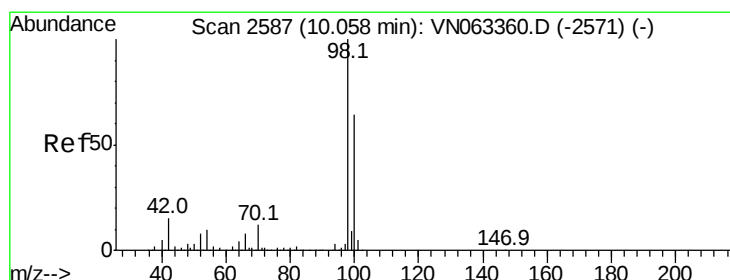
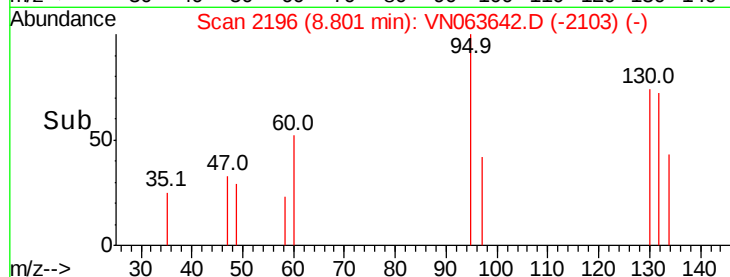
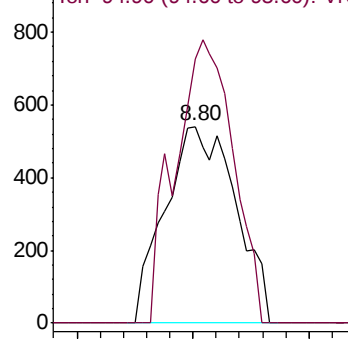
Ion Ratio Lower Upper

130 100

95 134.8 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V



#50

Toluene-d8

Concen: 49.736 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063642.D

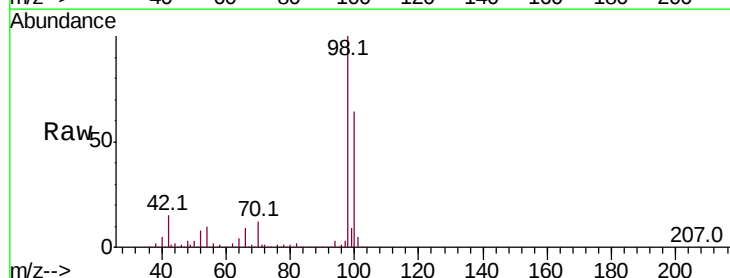
Acq: 24 Sep 2020 20:40

Tgt Ion: 98 Resp: 482269

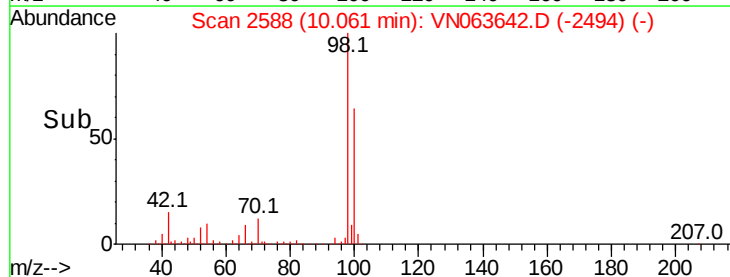
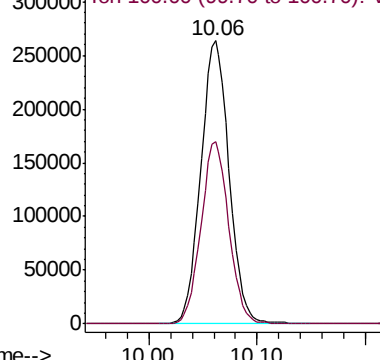
Ion Ratio Lower Upper

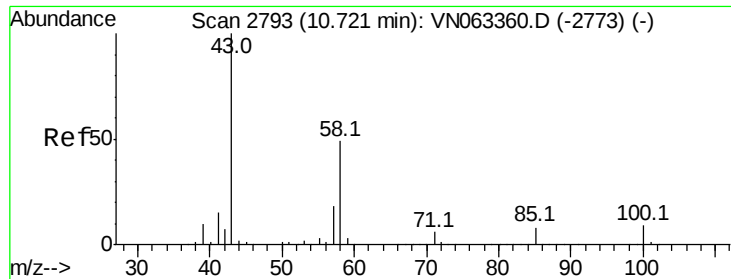
98 100

100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN





#59

2-Hexanone

Concen: 0.292 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN063642.D

Acq: 24 Sep 2020 20:40

Instrument :

MSVOA_N

ClientSampled :

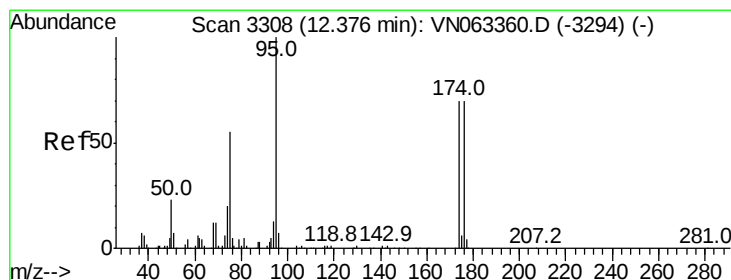
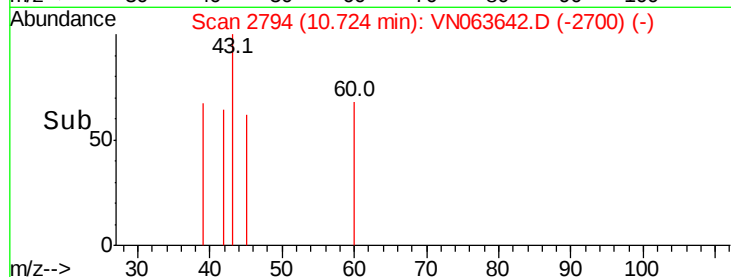
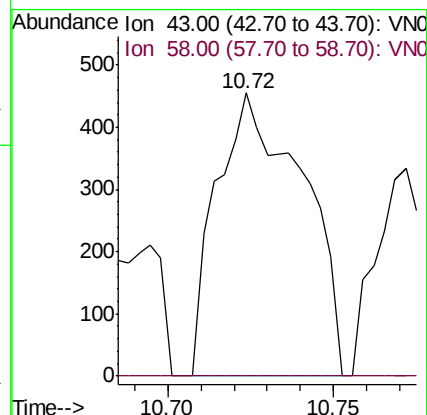
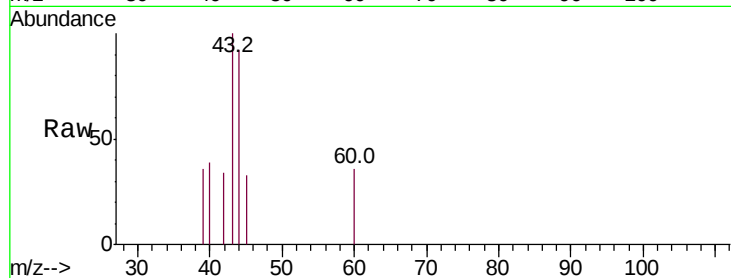
FB02-20200921

Tot Ion: 43 Resp: 825

Ion Ratio Lower Upper

43 100

58 0.0 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 52.773 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063642.D

Acq: 24 Sep 2020 20:40

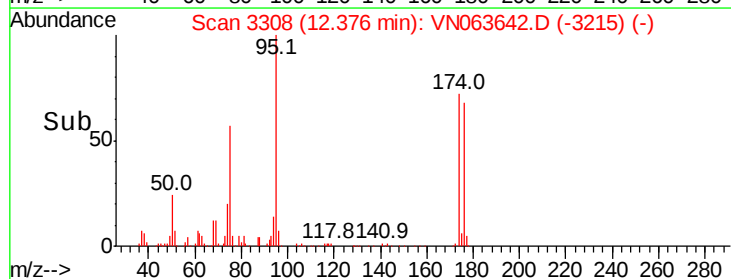
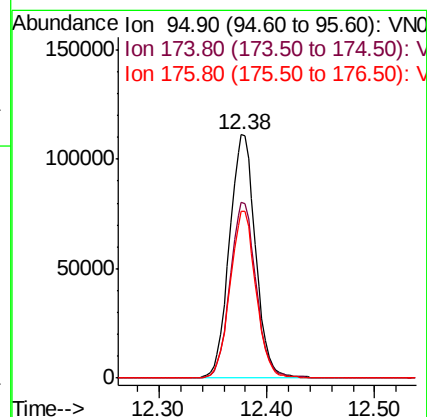
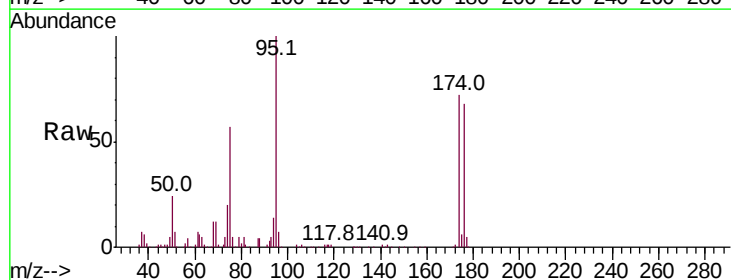
Tgt Ion: 95 Resp: 187589

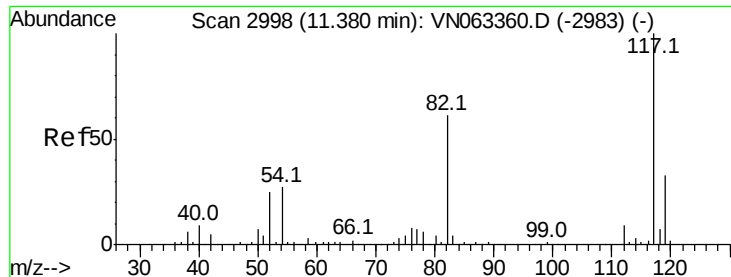
Ion Ratio Lower Upper

95 100

174 72.0 0.0 140.8

176 68.0 0.0 137.6

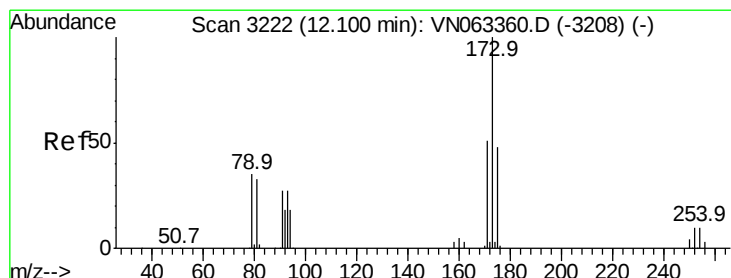
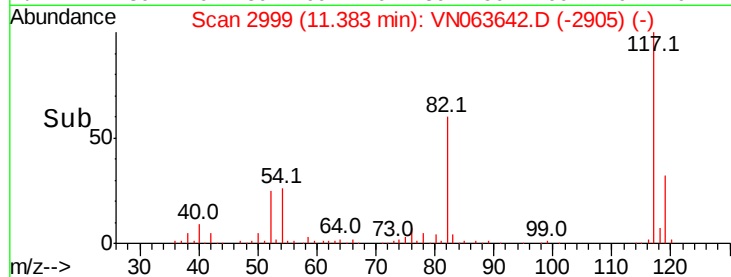
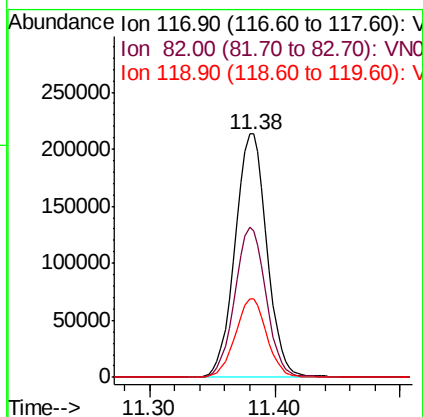
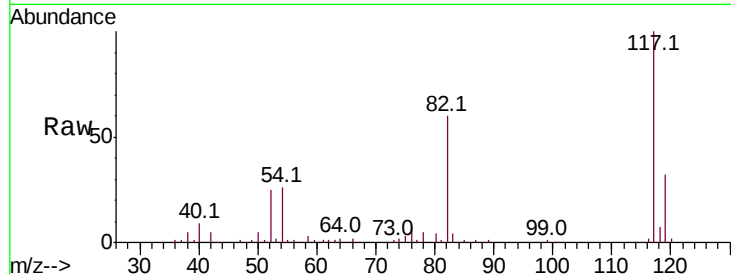




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063642.D
Acq: 24 Sep 2020 20:40

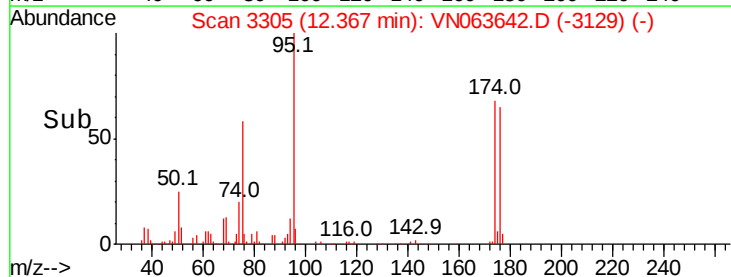
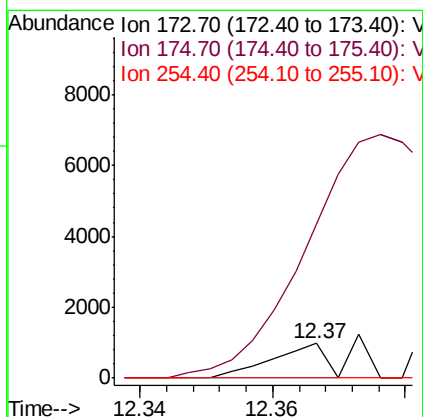
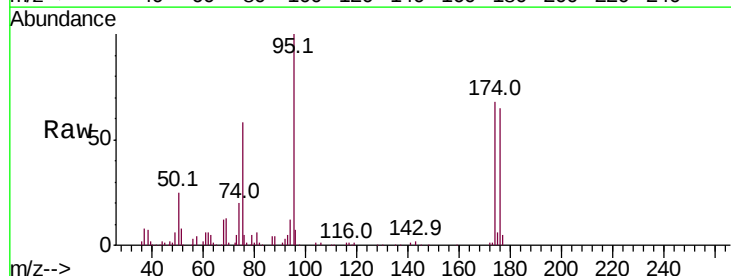
Instrument :
MSVOA_N
ClientSampleId :
FB02-20200921

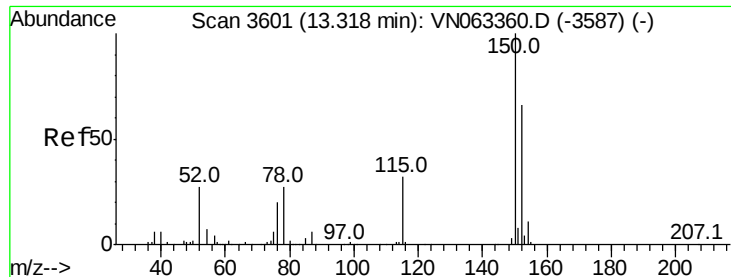
Tot Ion:117 Resp: 376462
Ion Ratio Lower Upper
117 100
82 60.2 49.2 73.8
119 32.3 26.2 39.4



#71
Bromoform
Concen: 0.254 ug/l
RT: 12.37 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN063642.D
Acq: 24 Sep 2020 20:40

Tgt Ion:173 Resp: 554
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063642.D

Acq: 24 Sep 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

FB02-20200921

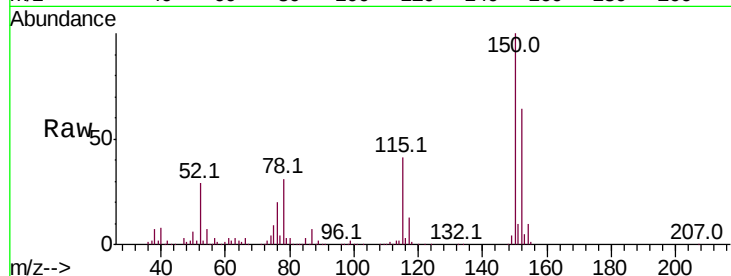
Tot Ion:152 Resp: 160343

Ion Ratio Lower Upper

152 100

115 64.2 32.2 96.6

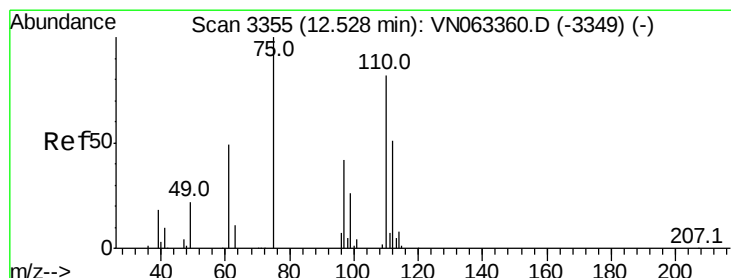
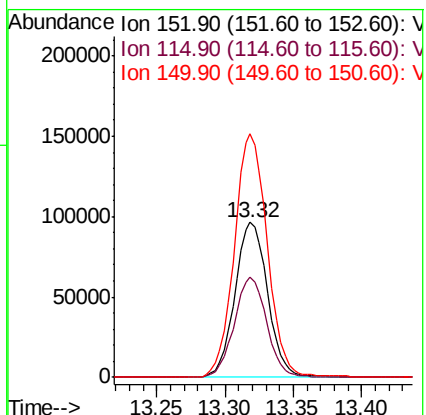
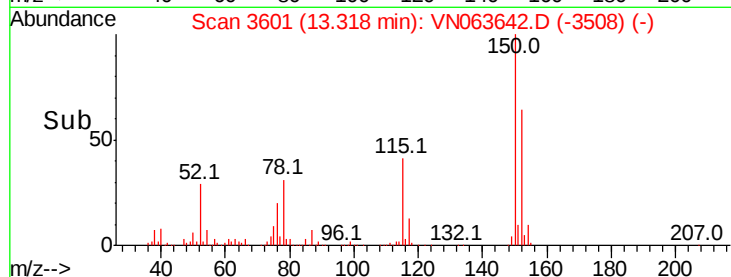
150 158.4 0.0 343.4



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



#76

1,2,3-Trichloropropane

Concen: 26.939 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063642.D

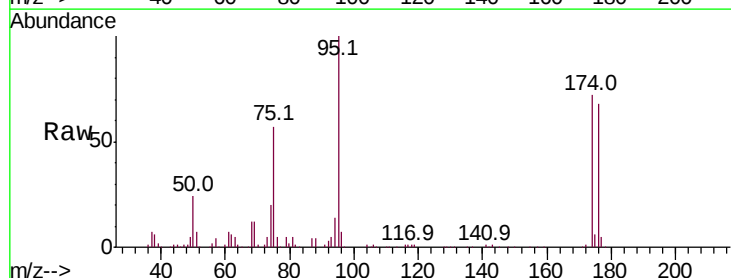
Acq: 24 Sep 2020 20:40

Tgt Ion: 75 Resp: 106912

Ion Ratio Lower Upper

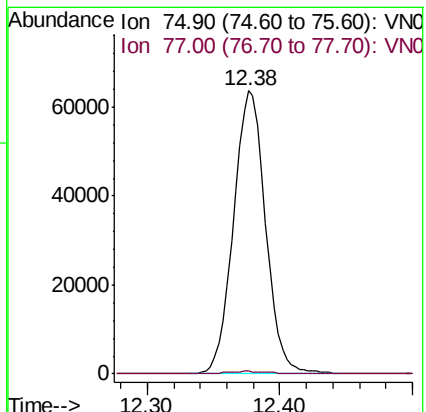
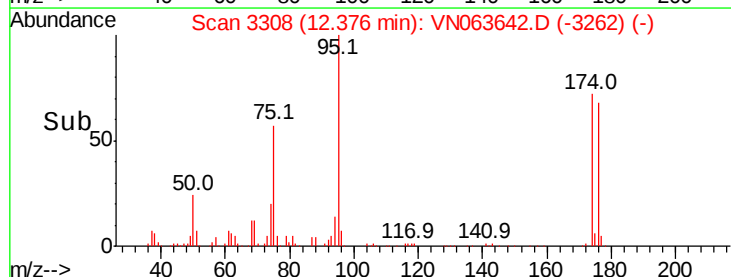
75 100

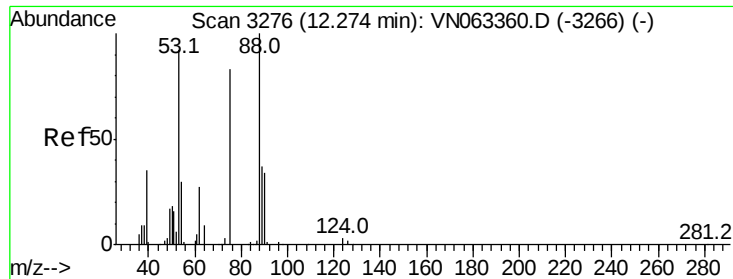
77 0.7 0.0 0.0#



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: 73.856 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063642.D

Acq: 24 Sep 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

FB02-20200921

Tot Ion: 75 Resp: 106912

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

