

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063440.D
 Acq On : 18 Sep 2020 00:22
 Operator : JC/MD
 Sample : L4021-03
 Misc : 9.93g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B15-1-3

Quant Time: Sep 18 05:11:47 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	7.62	168	221650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	406832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	405581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	180480	50.00	ug/l	0.00

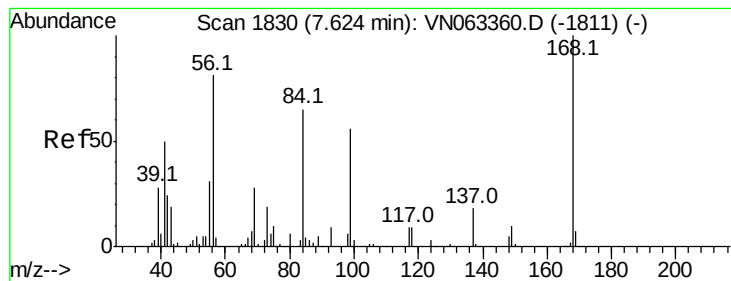
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	180842	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	7.55	113	130811	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
50) Toluene-d8	10.06	98	532618	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.38	95	210858	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.75	59	115	0.220	ug/l #	72
16) Acetone	3.79	43	1191	0.982	ug/l #	47
18) Methyl Acetate	4.28	43	8912	2.895	ug/l	93
20) Methylene Chloride	4.50	84	2852	0.928	ug/l #	74
25) 2-Butanone	6.80	43	5483	2.940	ug/l #	86
27) cis-1,2-Dichloroethene	6.78	96	7765	2.476	ug/l	88
31) Cyclohexane	7.62	56	6835	1.312	ug/l #	47
36) 1,1-Dichloropropene	7.62	75	20565	4.745	ug/l #	52
37) Ethyl Acetate	6.80	43	5483	1.289	ug/l #	1
38) Carbon Tetrachloride	7.62	117	25146	5.683	ug/l #	17
44) Trichloroethene	8.80	130	6545	2.181	ug/l	80
52) Toluene	10.13	92	2005	0.270	ug/l	96
55) 1,1,2-Trichloroethane	10.60	97	2255	0.763	ug/l #	8
60) Dibromochloromethane	10.60	129	228773	68.534	ug/l #	10
64) Tetrachloroethene	10.60	164	231204	83.718	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	117087	26.211	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	117087	71.860	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063440.D

Acq: 18 Sep 2020 00:22

Instrument :

MSVOA_N

ClientSampled :

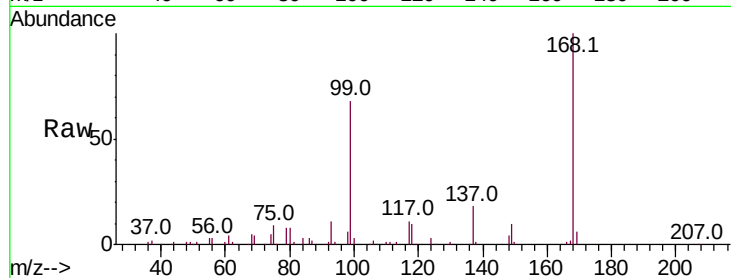
B15-1-3

Tot Ion:168 Resp: 221650

Ion Ratio Lower Upper

168 100

99 68.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

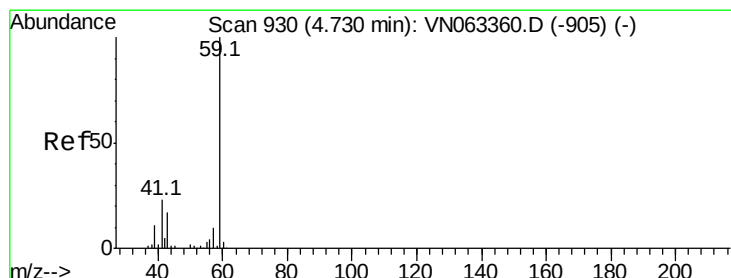
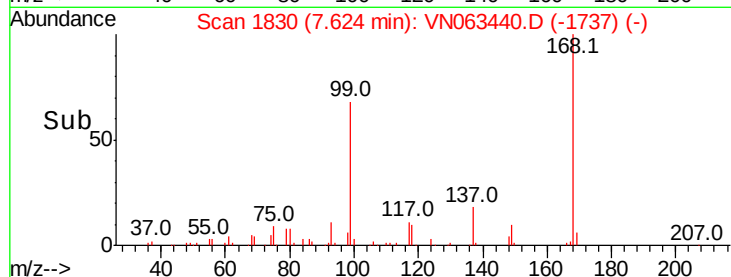
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.220 ug/l

RT: 4.75 min Scan# 936

Delta R.T. 0.02 min

Lab File: VN063440.D

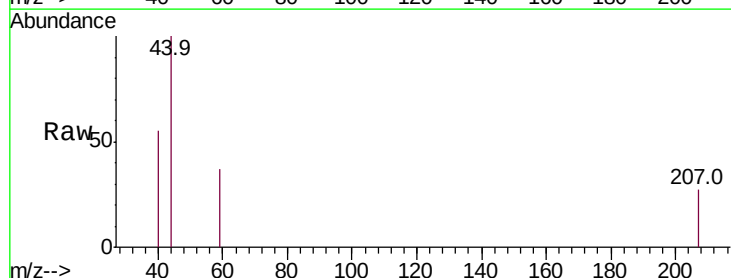
Acq: 18 Sep 2020 00:22

Tgt Ion: 59 Resp: 115

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.75

250

200

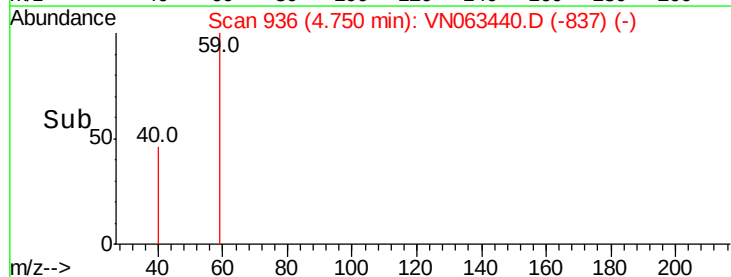
150

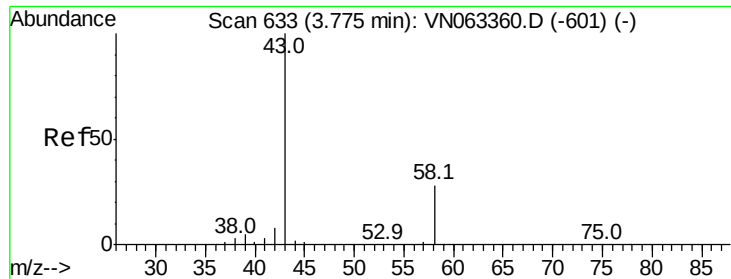
100

50

0

Time--> 4.74 4.75 4.76





#16

Acetone

Concen: 0.982 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN063440.D

Acq: 18 Sep 2020 00:22

Instrument :

MSVOA_N

ClientSampled :

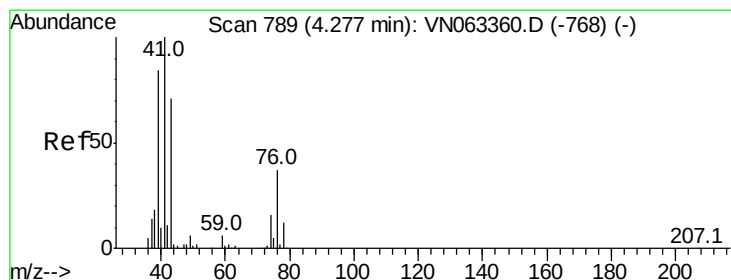
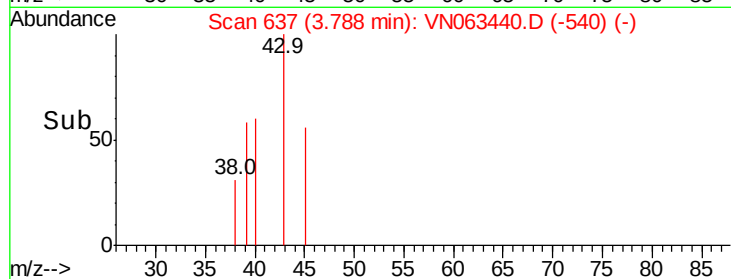
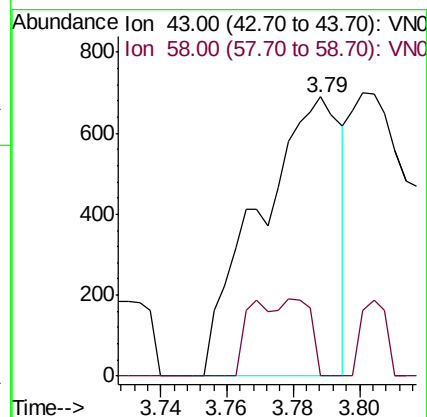
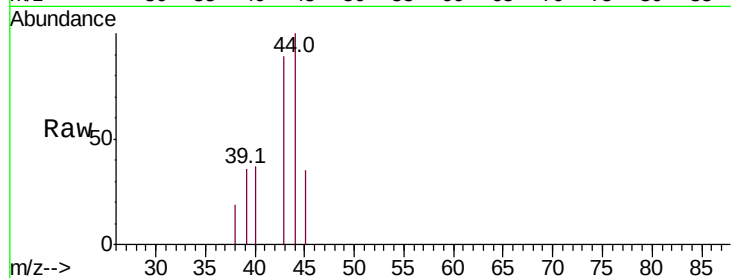
B15-1-3

Tot Ion: 43 Resp: 1191

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



#18

Methyl Acetate

Concen: 2.895 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063440.D

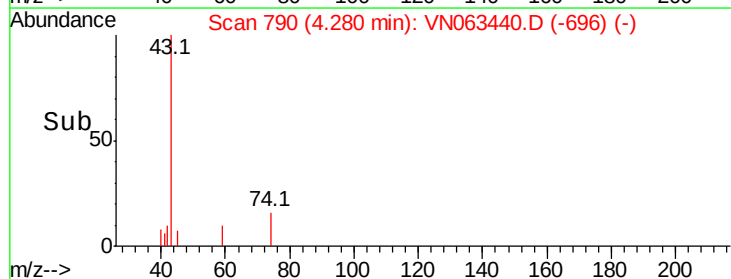
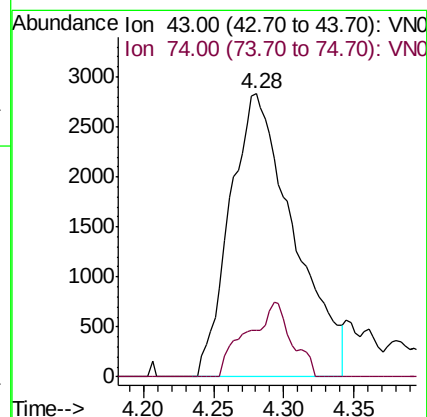
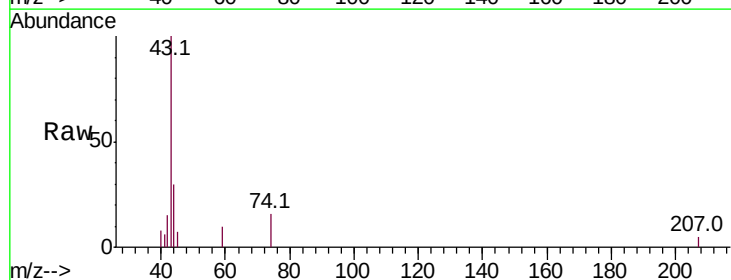
Acq: 18 Sep 2020 00:22

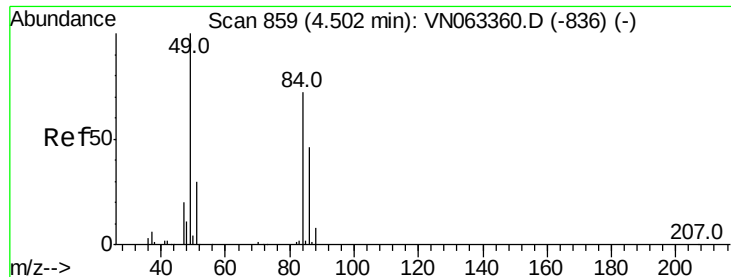
Tgt Ion: 43 Resp: 8912

Ion Ratio Lower Upper

43 100

74 18.3 17.4 26.2

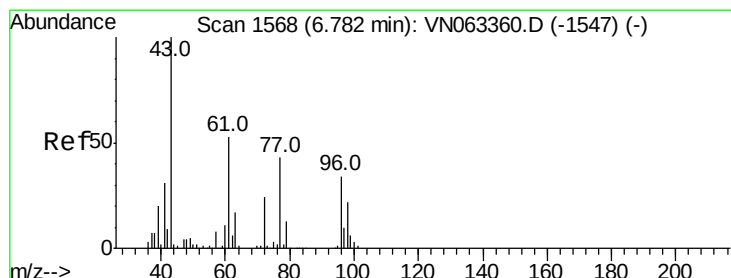
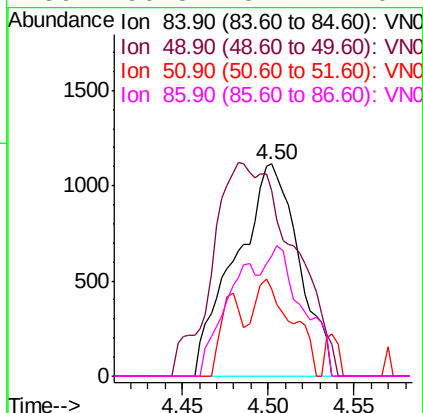
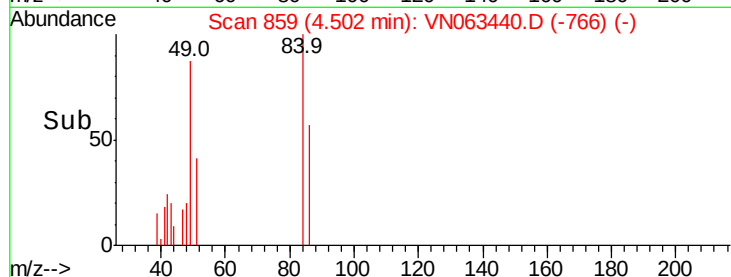
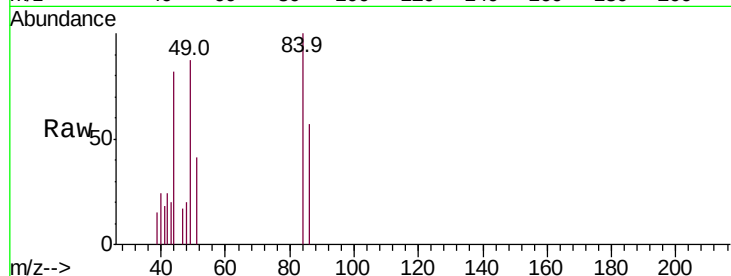




#20
Methvlene Chloride
Concen: 0.928 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063440.D
Acq: 18 Sep 2020 00:22

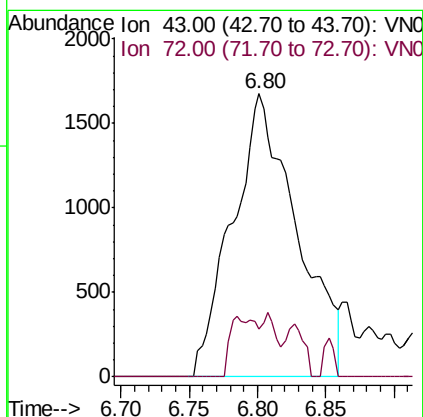
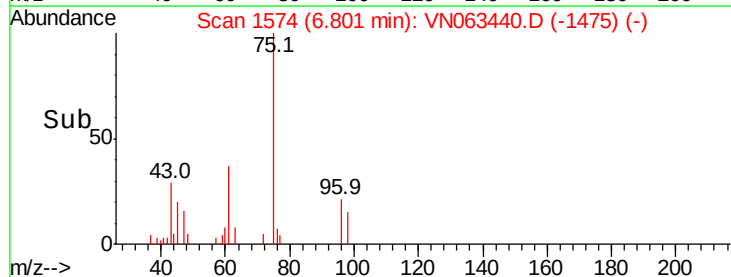
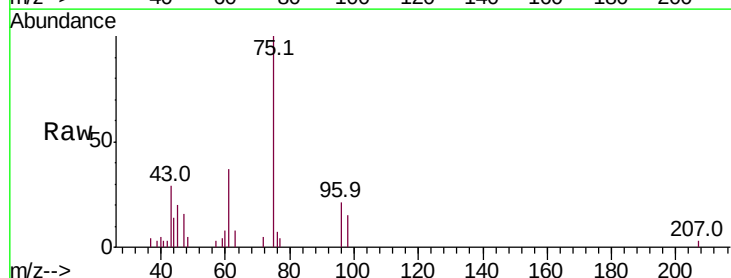
Instrument :
MSVOA_N
ClientSampled :
B15-1-3

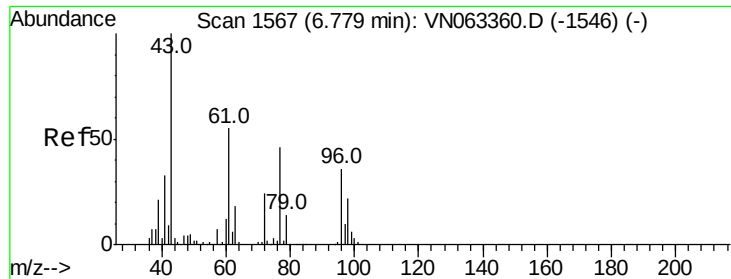
Tot Ion:	84	Resp:	2852
Ion	Ratio	Lower	Upper
84	100		
49	87.3	110.7	166.1#
51	40.9	32.9	49.3
86	56.8	51.1	76.7



#25
2-Butanone
Concen: 2.940 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN063440.D
Acq: 18 Sep 2020 00:22

Tgt Ion:	43	Resp:	5483
Ion	Ratio	Lower	Upper
43	100		
72	17.0	19.2	28.8#





#27

cis-1,2-Dichloroethene

Concen: 2.476 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN063440.D

Acq: 18 Sep 2020 00:22

Instrument :

MSVOA_N

ClientSampleId :

B15-1-3

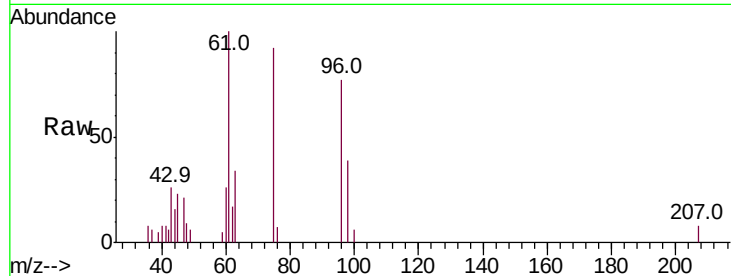
Tot Ion: 96 Resp: 7765

Ion Ratio Lower Upper

96 100

61 142.9 0.0 319.6

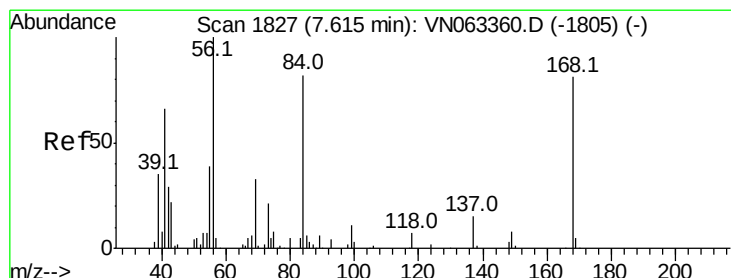
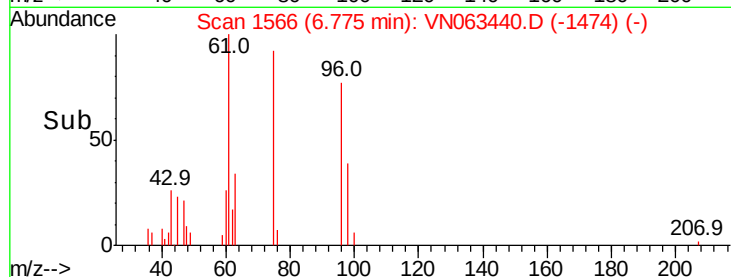
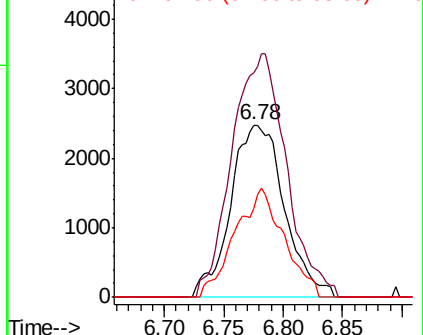
98 57.4 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 1.312 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN063440.D

Acq: 18 Sep 2020 00:22

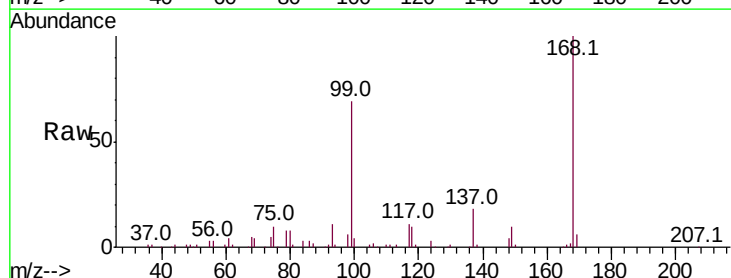
Tgt Ion: 56 Resp: 6835

Ion Ratio Lower Upper

56 100

69 136.0 26.1 39.1#

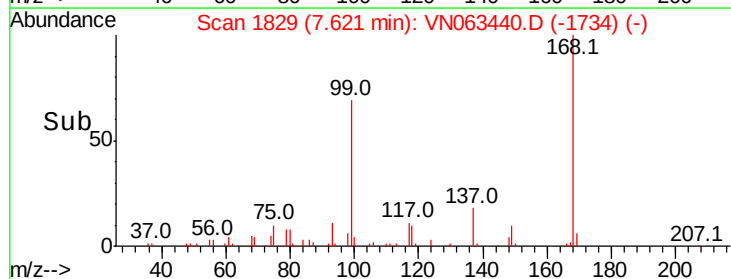
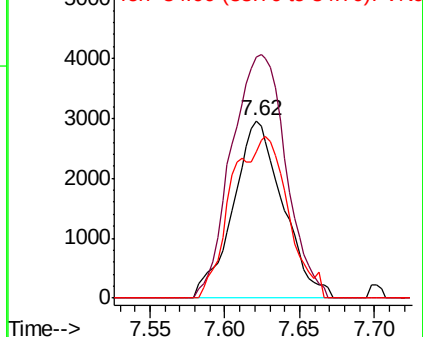
84 82.8 65.4 98.2

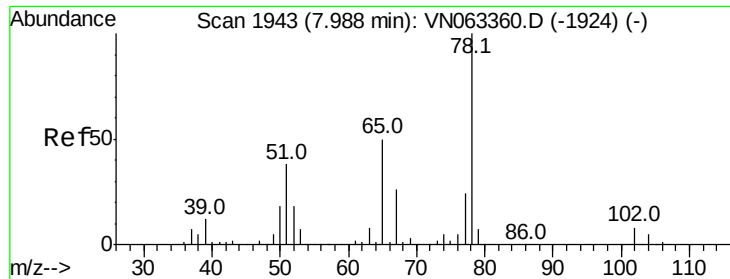


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

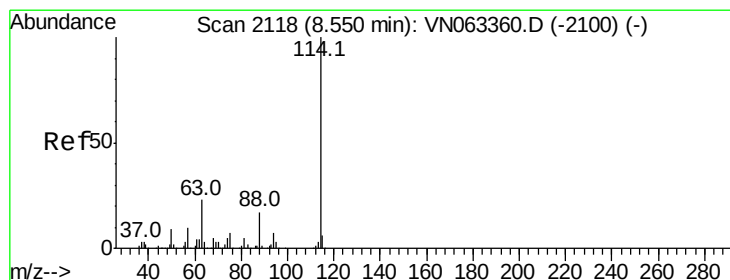
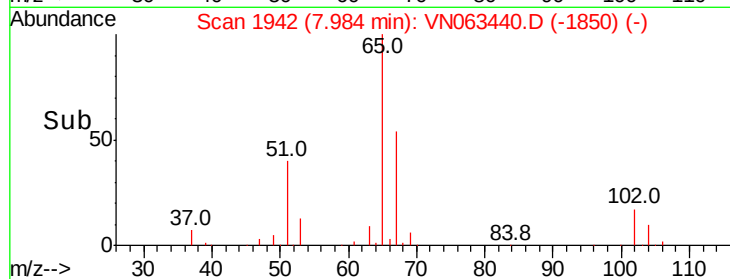
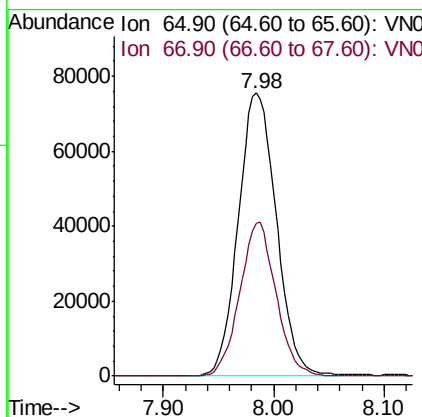
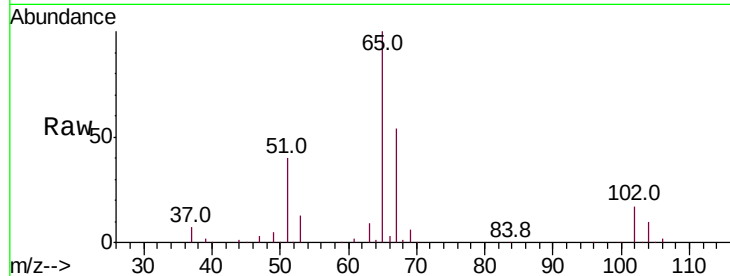




#33
 1,2-Dichloroethane-d4
 Concen: 47.930 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063440.D
 Acq: 18 Sep 2020 00:22

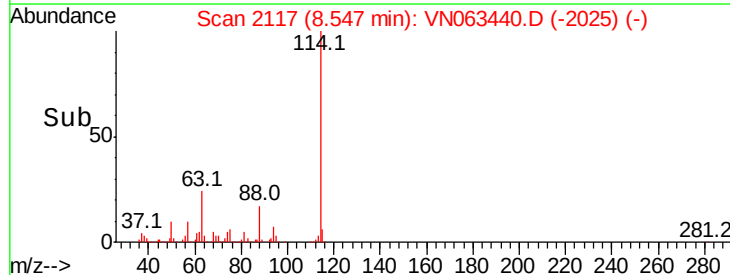
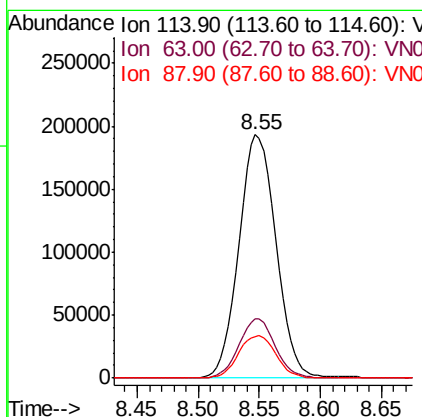
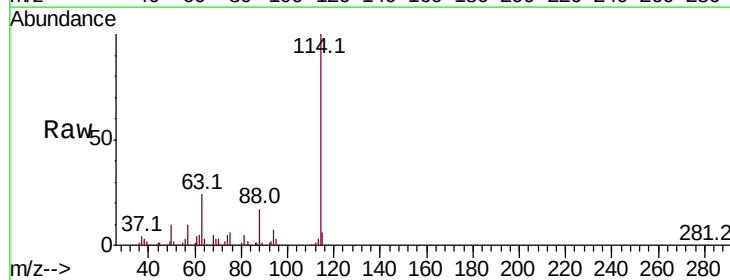
Instrument :
 MSVOA_N
 ClientSampleId :
 B15-1-3

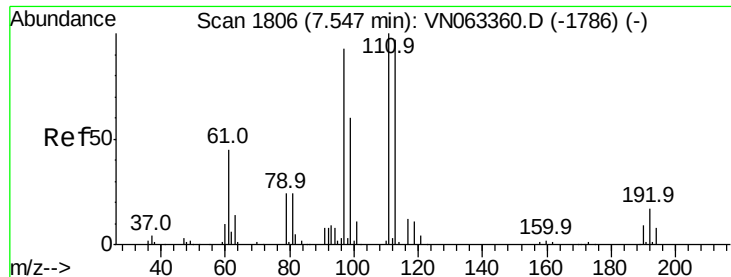
Tot Ion: 65 Resp: 180842
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN063440.D
 Acq: 18 Sep 2020 00:22

Tgt Ion: 114 Resp: 406832
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 46.4
 88 17.2 0.0 33.2

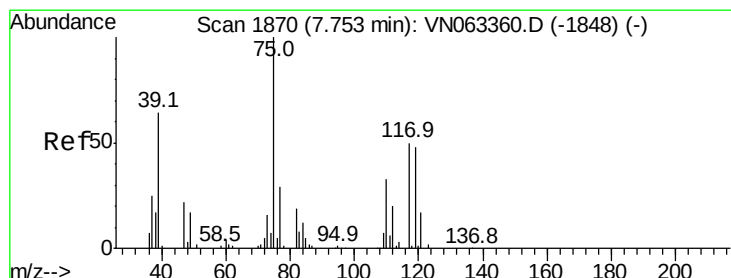
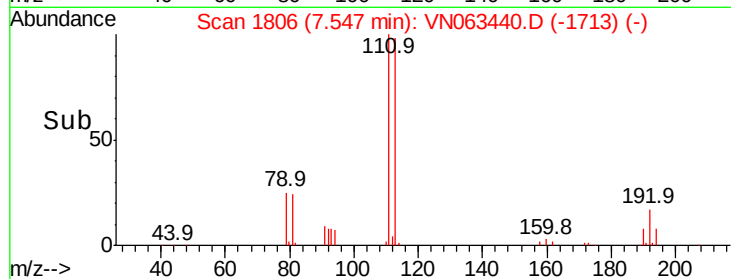
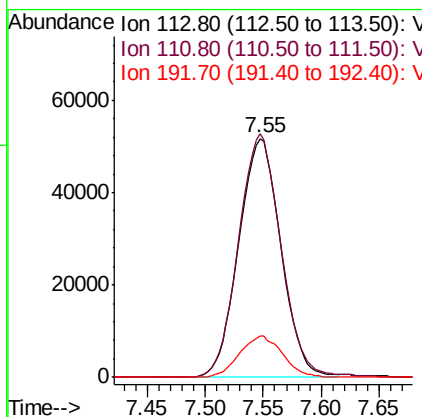
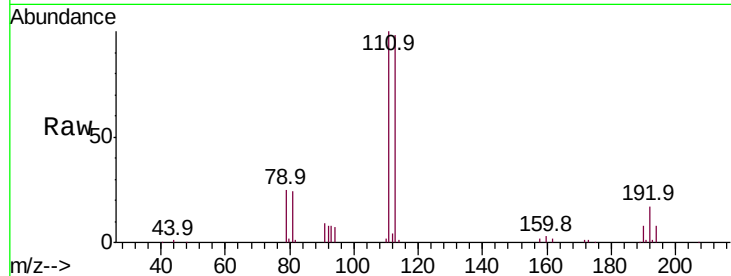




#35
 Dibromofluoromethane
 Concen: 46.446 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063440.D
 Acq: 18 Sep 2020 00:22

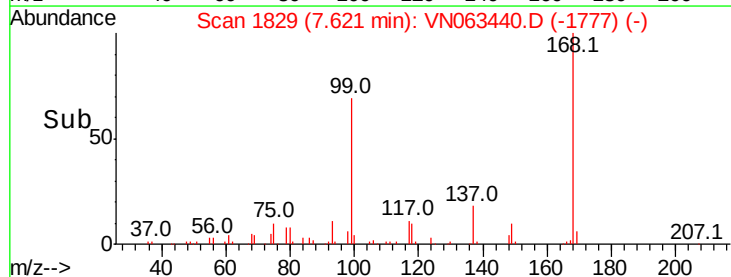
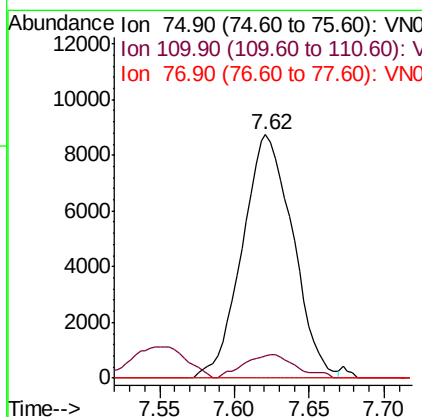
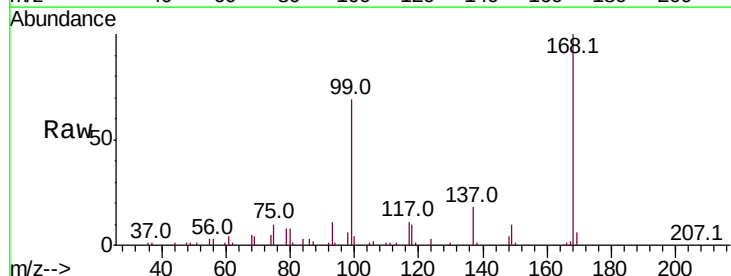
Instrument :
 MSVOA_N
 ClientSampleId :
 B15-1-3

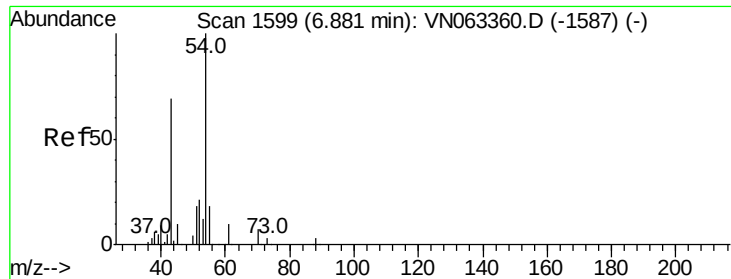
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	17.6	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.745 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN063440.D
 Acq: 18 Sep 2020 00:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	16.5	49.5#
77	0.0	24.6	36.8#





#37

Ethyl Acetate

Concen: 1.289 ug/l

RT: 6.80 min Scan# 1574

Delta R.T. -0.08 min

Lab File: VN063440.D

Acq: 18 Sep 2020 00:22

Instrument :

MSVOA_N

ClientSampleId :

B15-1-3

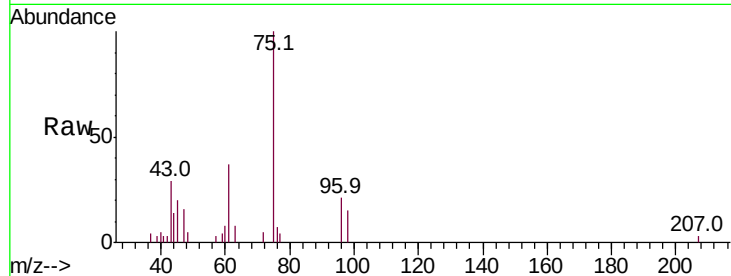
Tot Ion: 43 Resp: 5483

Ion Ratio Lower Upper

43 100

61 202.4 10.6 15.8#

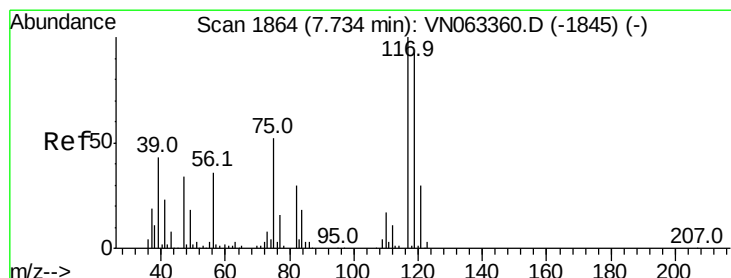
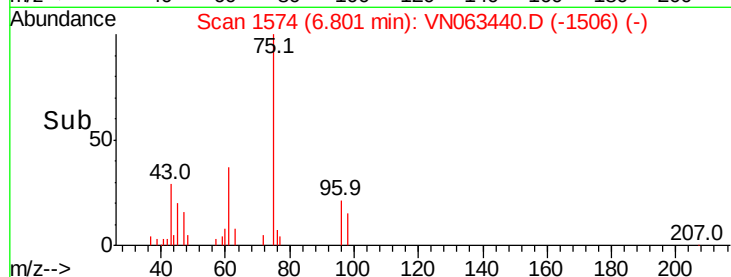
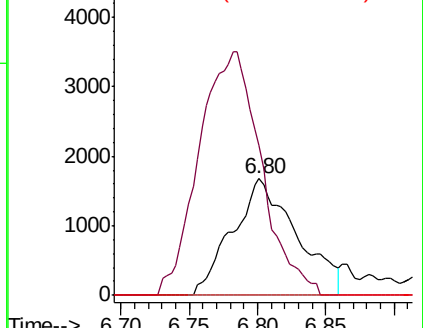
70 0.0 7.2 10.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 5.683 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. -0.12 min

Lab File: VN063440.D

Acq: 18 Sep 2020 00:22

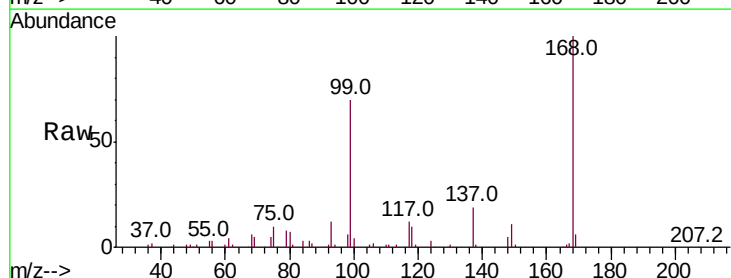
Tgt Ion: 117 Resp: 25146

Ion Ratio Lower Upper

117 100

119 4.4 74.5 111.7#

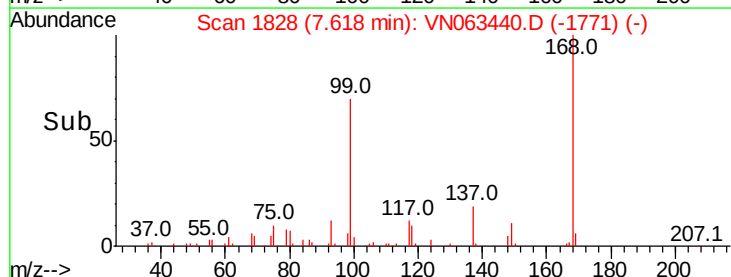
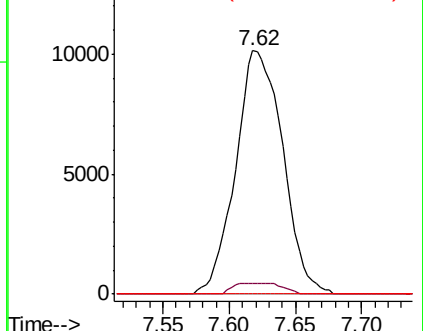
121 0.0 24.1 36.1#

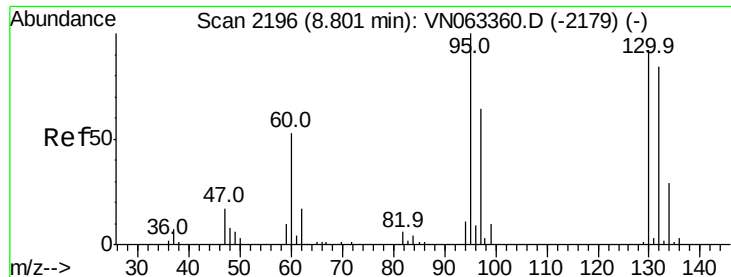


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 2.181 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063440.D

Acq: 18 Sep 2020 00:22

Instrument :

MSVOA_N

ClientSampled :

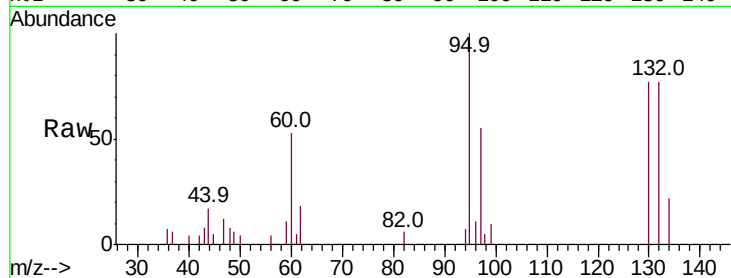
B15-1-3

Tot Ion:130 Resp: 6545

Ion Ratio Lower Upper

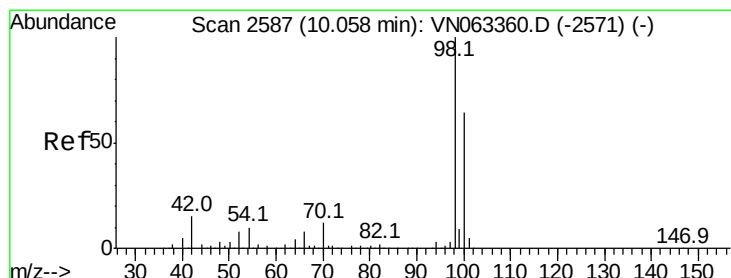
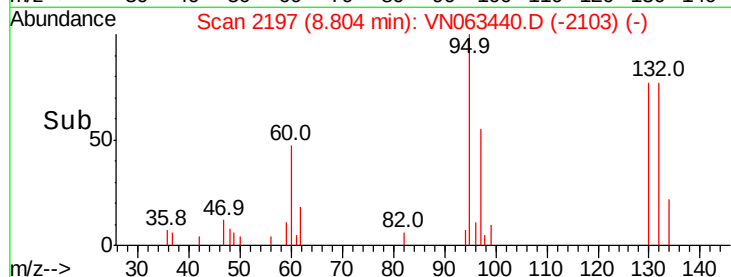
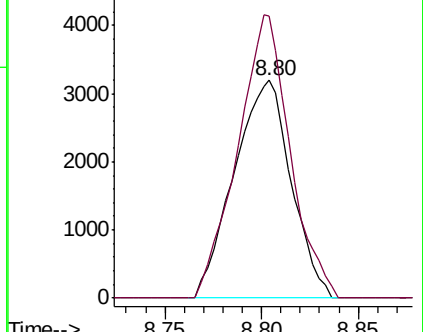
130 100

95 129.5 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): VN063360.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN063360.D (-2179) (-)



#50

Toluene-d8

Concen: 50.293 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063440.D

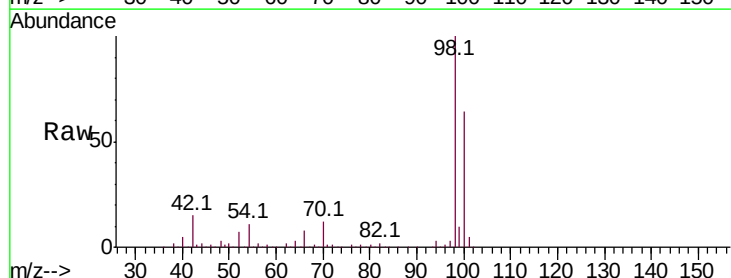
Acq: 18 Sep 2020 00:22

Tgt Ion: 98 Resp: 532618

Ion Ratio Lower Upper

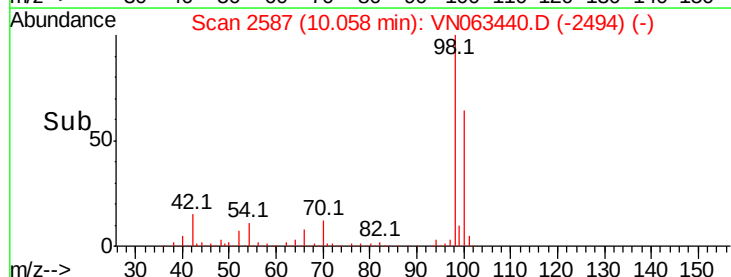
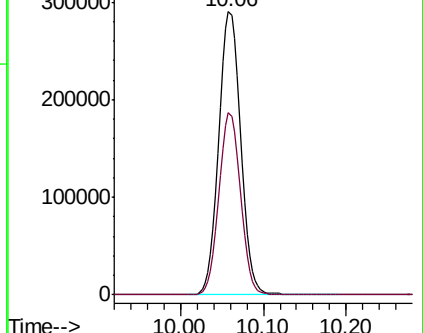
98 100

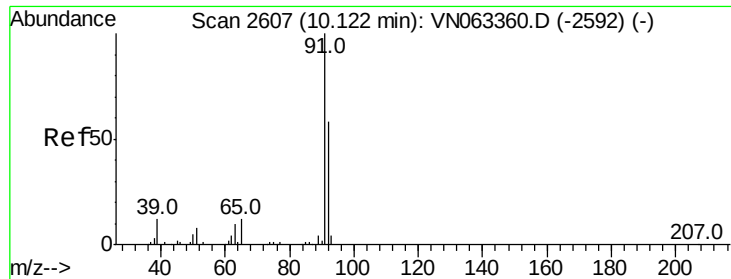
100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)





#52

Toluene

Concen: 0.270 ug/l

RT: 10.13 min Scan# 2610

Delta R.T. 0.01 min

Lab File: VN063440.D

Acq: 18 Sep 2020 00:22

Instrument :

MSVOA_N

ClientSampleId :

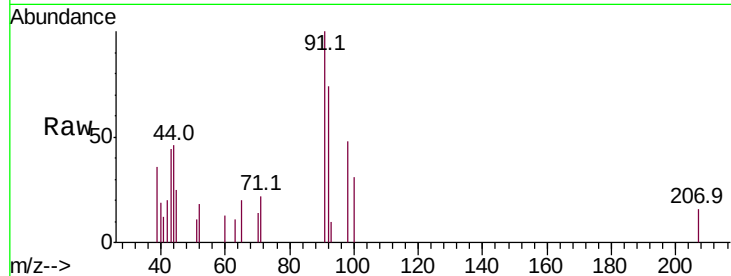
B15-1-3

Tot Ion: 92 Resp: 2005

Ion Ratio Lower Upper

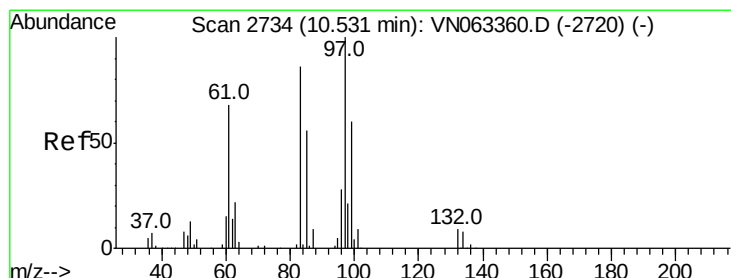
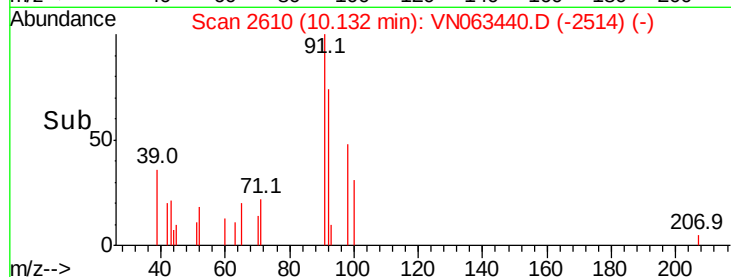
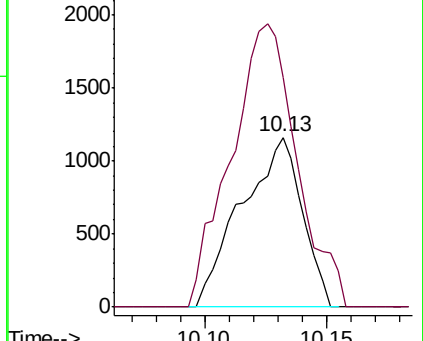
92 100

91 180.7 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#55

1,1,2-Trichloroethane

Concen: 0.763 ug/l

RT: 10.60 min Scan# 2755

Delta R.T. 0.07 min

Lab File: VN063440.D

Acq: 18 Sep 2020 00:22

Tgt Ion: 97 Resp: 2255

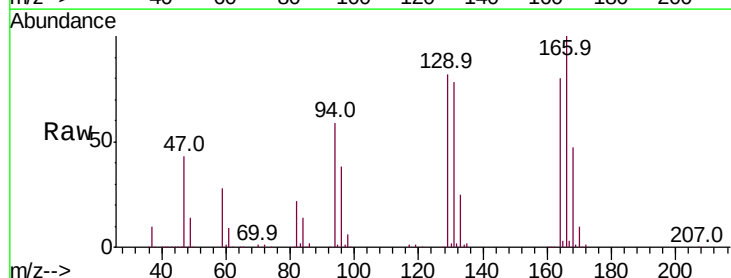
Ion Ratio Lower Upper

97 100

83 230.6 68.9 103.3#

85 31.0 44.8 67.2#

99 19.2 47.8 71.8#

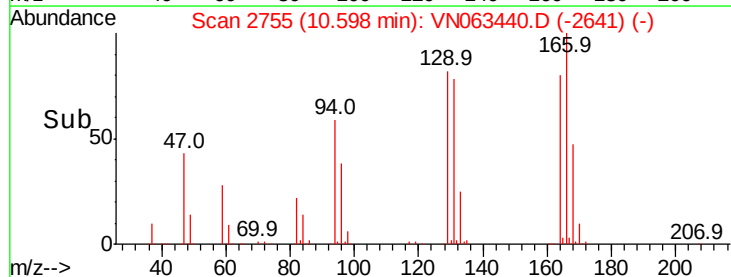
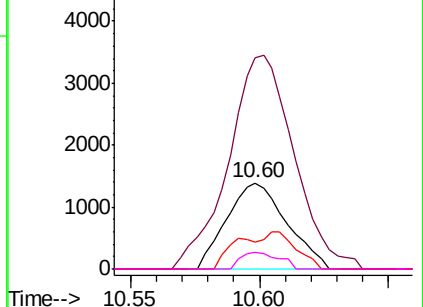


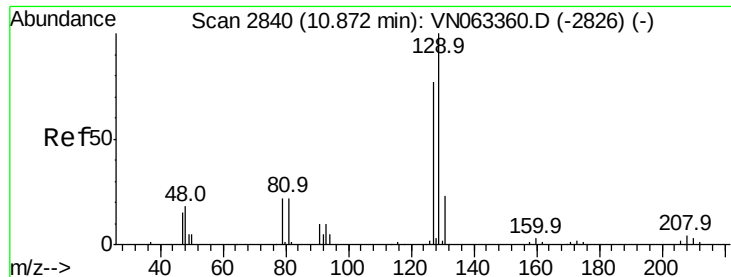
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#60

Dibromochloromethane

Concen: 68.534 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN063440.D

Acq: 18 Sep 2020 00:22

Instrument :

MSVOA_N

ClientSampleId :

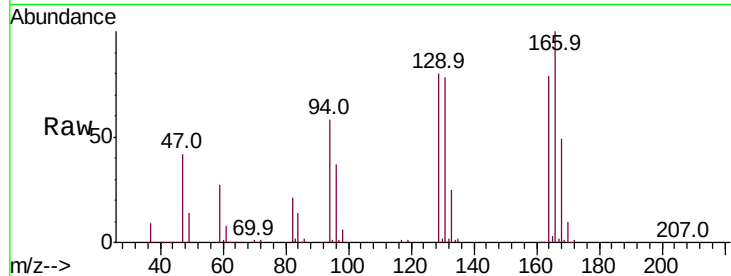
B15-1-3

Tot Ion:129 Resp: 228773

Ion Ratio Lower Upper

129 100

127 0.1 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.60

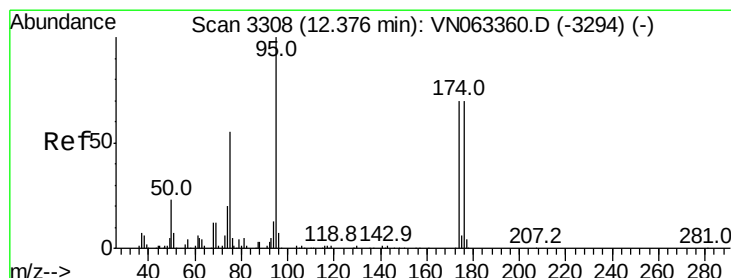
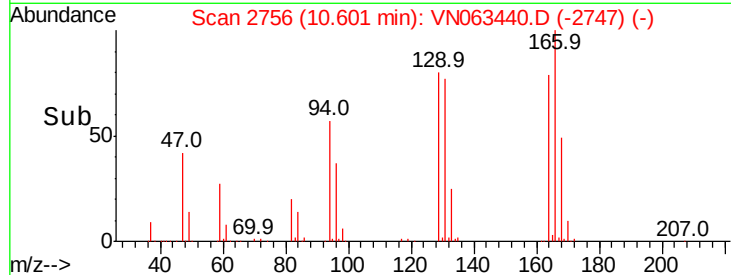
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.314 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063440.D

Acq: 18 Sep 2020 00:22

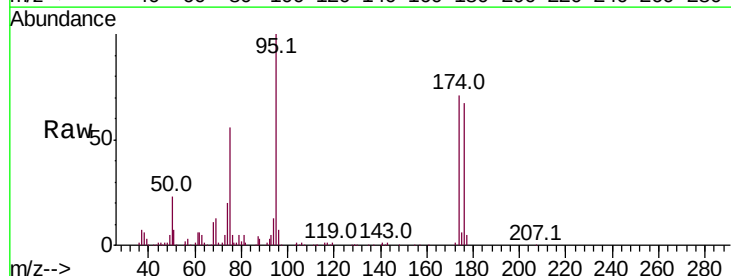
Tgt Ion: 95 Resp: 210858

Ion Ratio Lower Upper

95 100

174 70.5 0.0 140.8

176 67.0 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

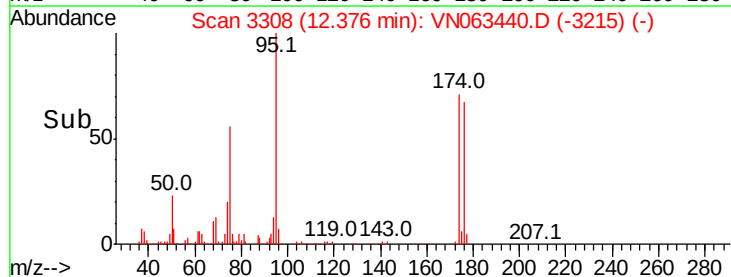
150000

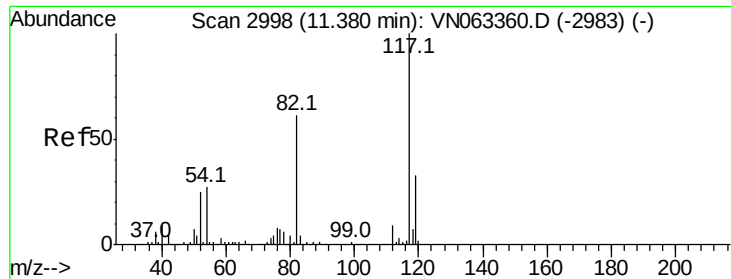
100000

50000

0

Time-->

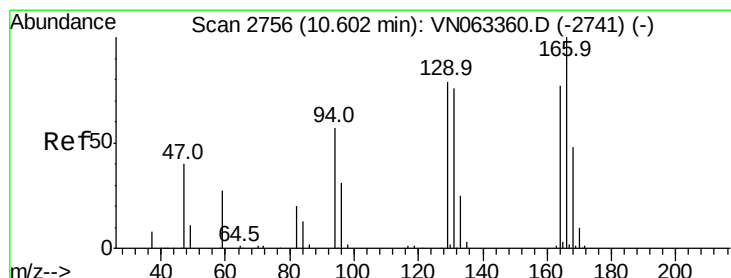
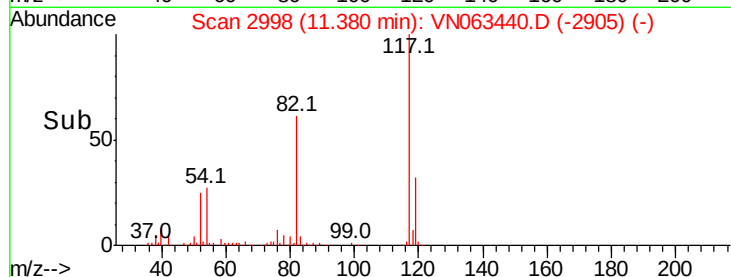
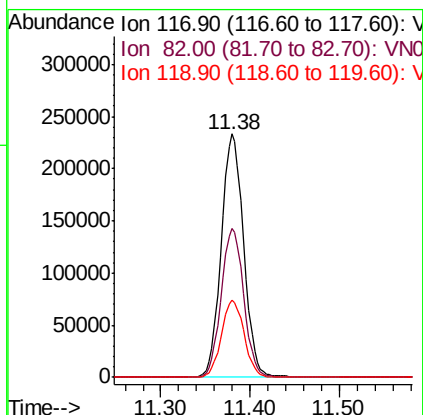
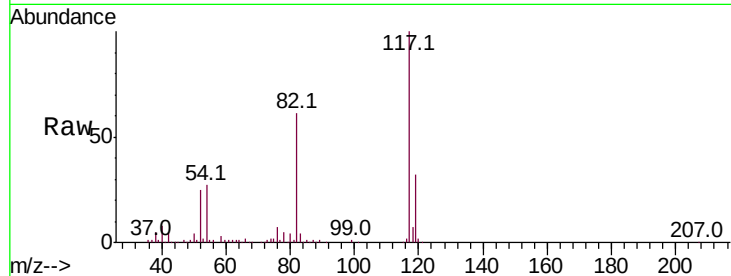




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063440.D
Acq: 18 Sep 2020 00:22

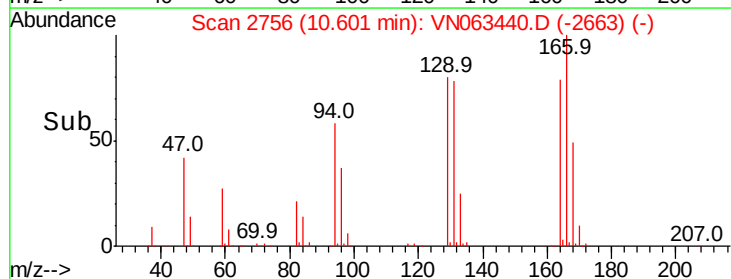
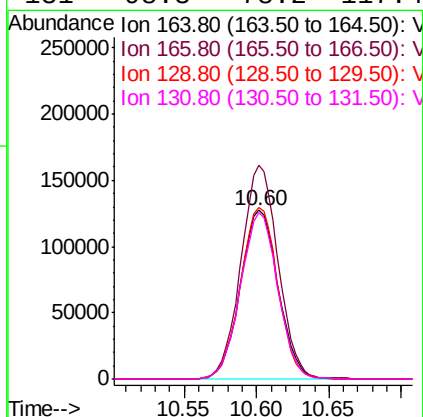
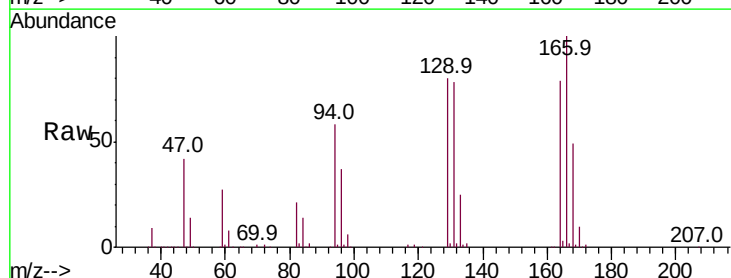
Instrument :
MSVOA_N
ClientSampled :
B15-1-3

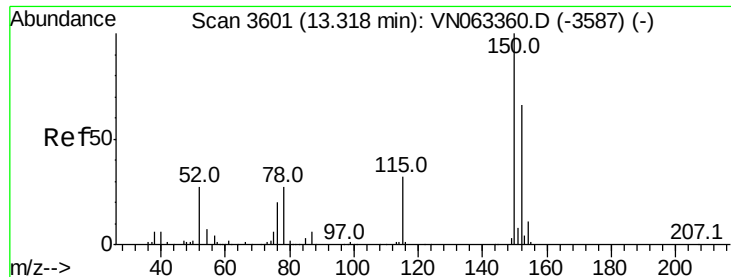
Tot Ion:117 Resp: 405581
Ion Ratio Lower Upper
117 100
82 61.1 49.2 73.8
119 31.6 26.2 39.4



#64
Tetrachloroethene
Concen: 83.718 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063440.D
Acq: 18 Sep 2020 00:22

Tgt Ion:164 Resp: 231204
Ion Ratio Lower Upper
164 100
166 126.6 103.4 155.0
129 101.8 81.8 122.6
131 98.3 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: VN063440.D

Acq: 18 Sep 2020 00:22

Instrument :

MSVOA_N

ClientSampled :

B15-1-3

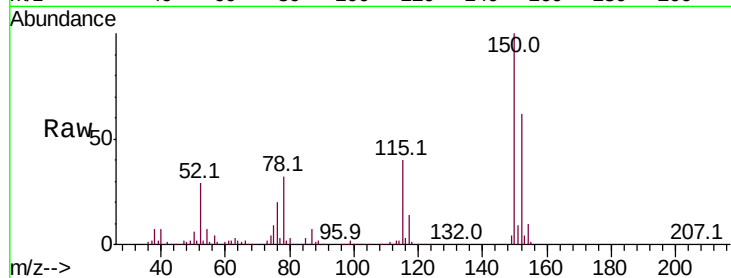
Tot Ion:152 Resp: 180480

Ion Ratio Lower Upper

152 100

115 64.6 32.2 96.6

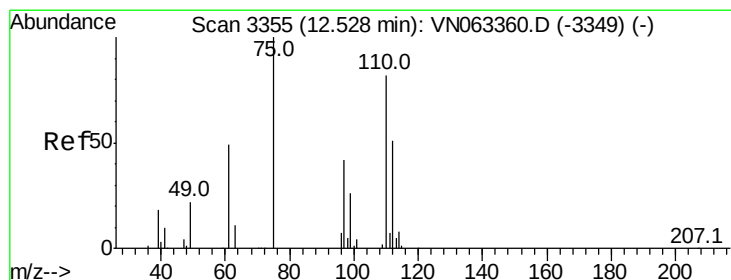
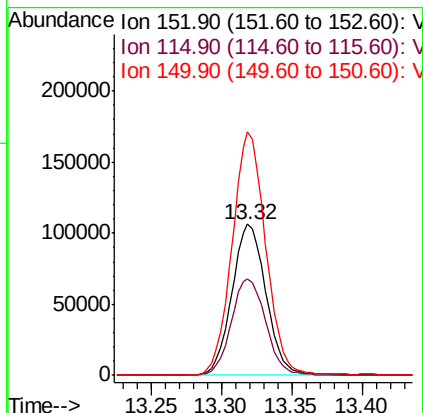
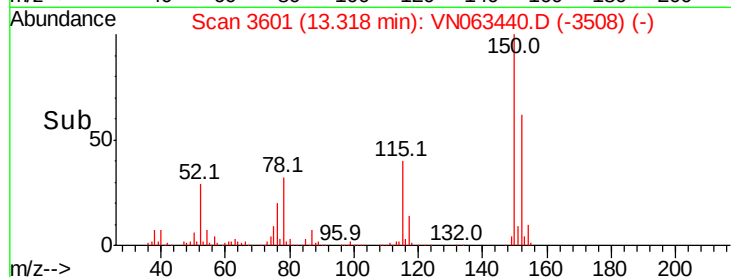
150 158.5 0.0 343.4



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: 26.211 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063440.D

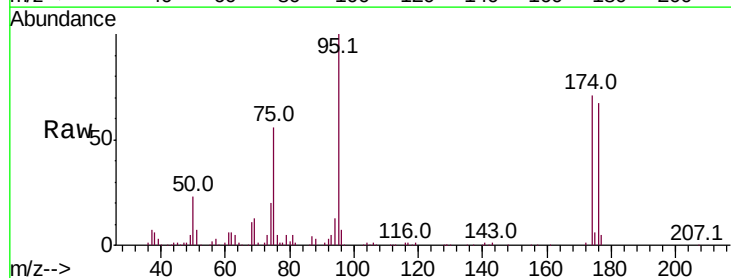
Acq: 18 Sep 2020 00:22

Tgt Ion: 75 Resp: 117087

Ion Ratio Lower Upper

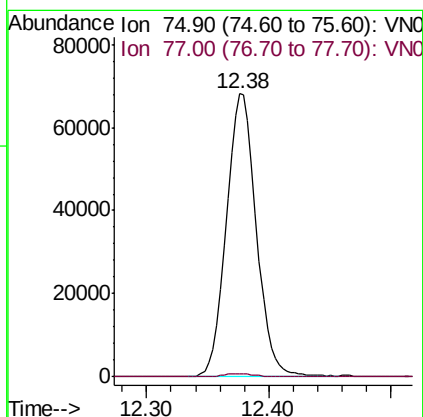
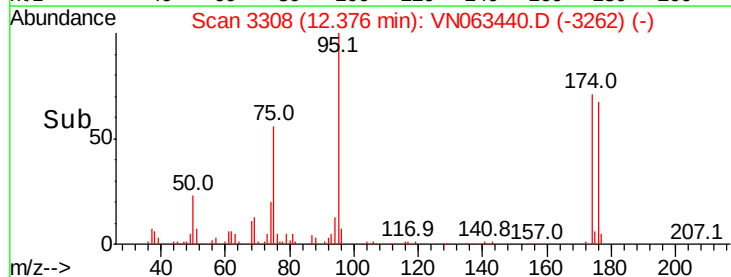
75 100

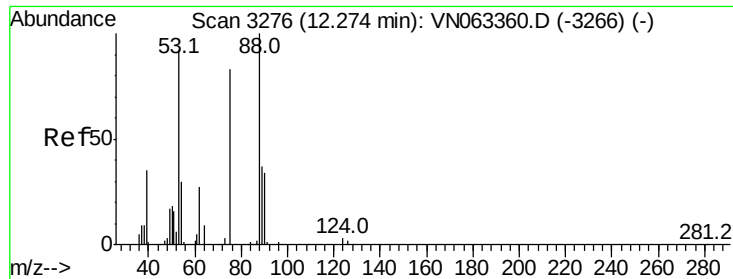
77 1.1 0.0 0.0#



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: 71.860 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063440.D

Acq: 18 Sep 2020 00:22

Instrument :

MSVOA_N

ClientSampleId :

B15-1-3

Tot Ion: 75 Resp: 117087

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

