

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063442.D
 Acq On : 18 Sep 2020 1:10
 Operator : JC/MD
 Sample : L4021-05
 Misc : 10.61g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B15A-5-7

Quant Time: Sep 18 05:12:07 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	234466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	437884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	434530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	195572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	193208	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
35) Dibromofluoromethane	7.55	113	138638	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	
50) Toluene-d8	10.06	98	559619	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.38	95	222867	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	

Target Compounds

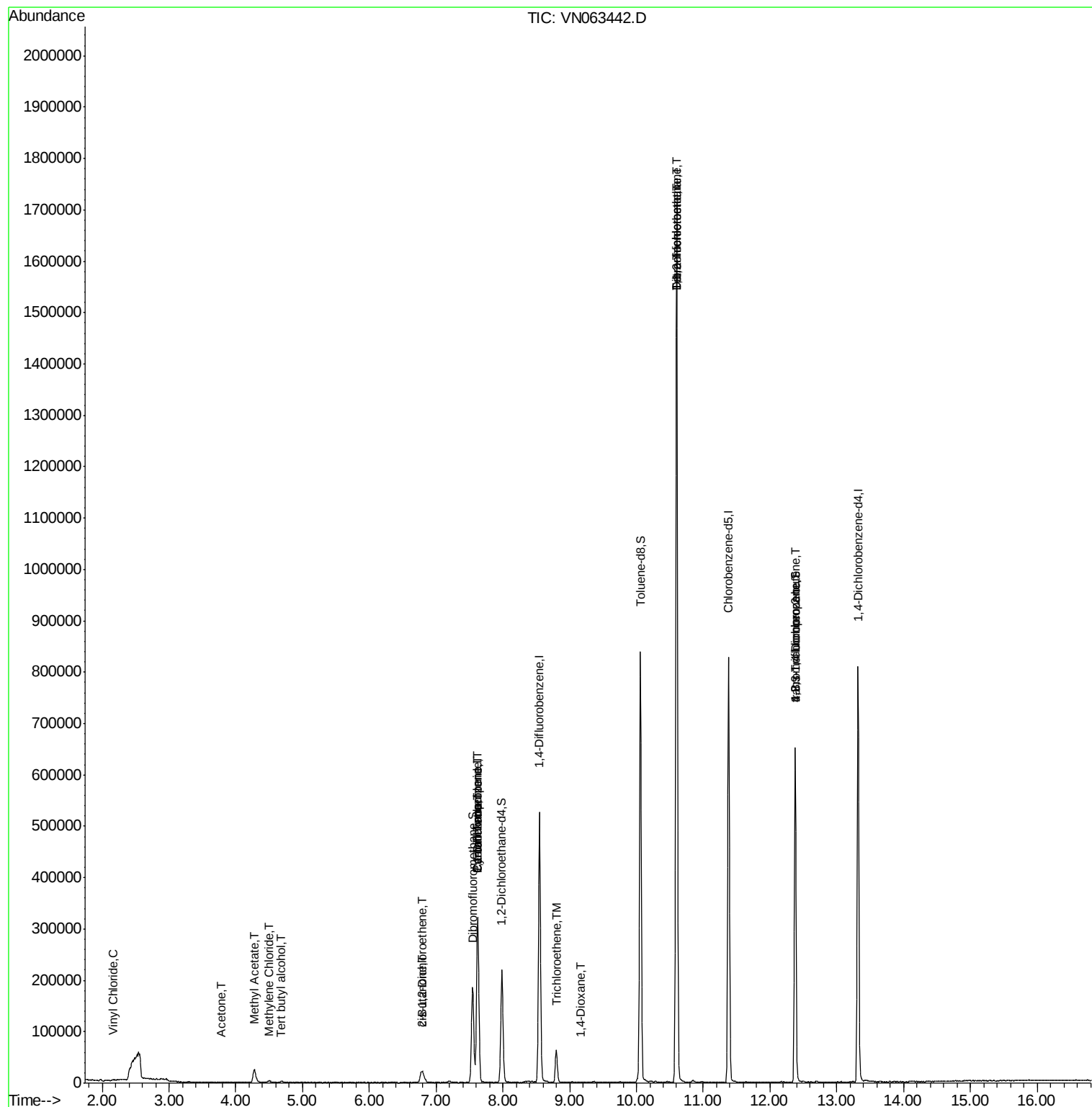
					Qvalue	
4) Vinyl Chloride	2.17	62	965	0.310	ug/l	96
11) Tert butyl alcohol	4.68	59	1360	2.460	ug/l #	72
16) Acetone	3.78	43	804	0.627	ug/l	97
18) Methyl Acetate	4.28	43	52206	16.032	ug/l	98
20) Methylene Chloride	4.50	84	1414	0.435	ug/l #	78
25) 2-Butanone	6.80	43	4561	2.312	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	7479	2.254	ug/l	94
31) Cyclohexane	7.62	56	6742	1.223	ug/l #	9
36) 1,1-Dichloropropene	7.62	75	23007	4.932	ug/l #	50
38) Carbon Tetrachloride	7.62	117	26911	5.651	ug/l #	16
44) Trichloroethene	8.80	130	20538	6.359	ug/l	100
49) 1,4-Dioxane	9.17	88	31	0.537	ug/l #	1
55) 1,1,2-Trichloroethane	10.60	97	3916	1.231	ug/l #	17
60) Dibromochloromethane	10.60	129	354032	98.538	ug/l #	10
64) Tetrachloroethene	10.60	164	343814	116.199	ug/l	98
76) 1,2,3-Trichloropropane	12.38	75	125051	25.833	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	125051	70.825	ug/l #	7

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

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QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN063442.D

Acq: 18 Sep 2020 1:10

Instrument :

MSVOA_N

ClientSampleId :

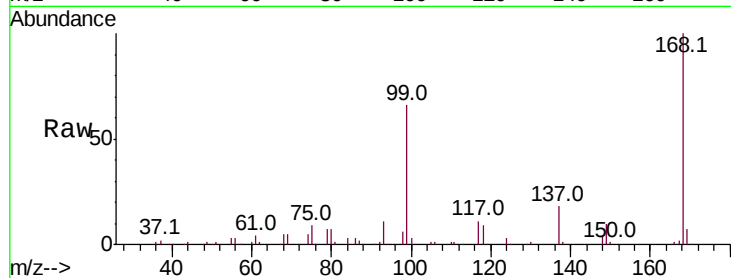
B15A-5-7

Tot Ion:168 Resp: 234466

Ion Ratio Lower Upper

168 100

99 65.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

100000

80000

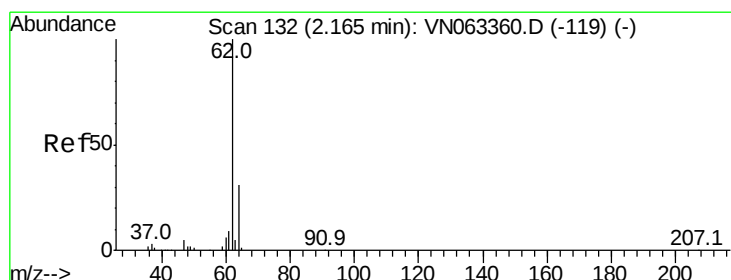
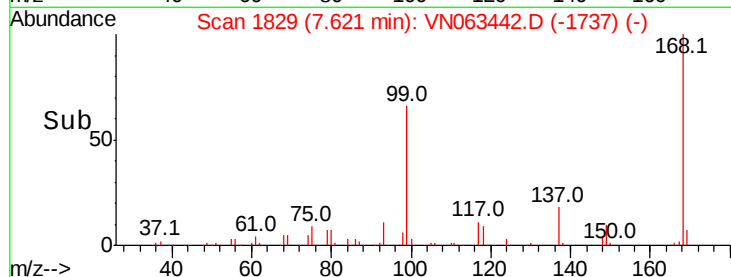
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 0.310 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063442.D

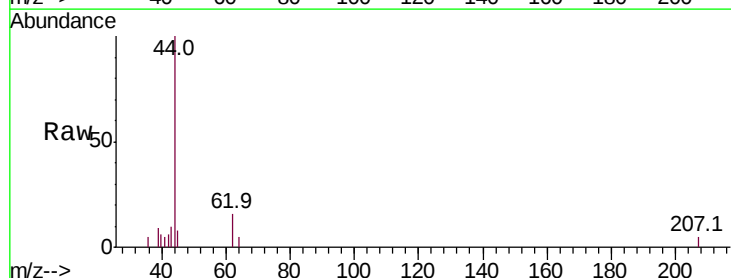
Acq: 18 Sep 2020 1:10

Tgt Ion: 62 Resp: 965

Ion Ratio Lower Upper

62 100

64 33.5 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

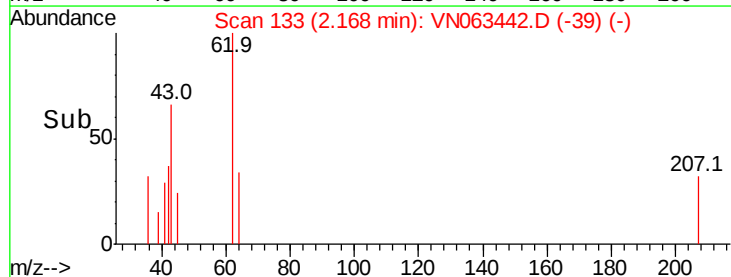
600

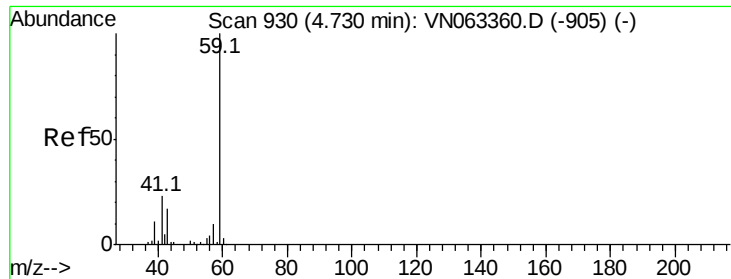
400

200

0

Time-->

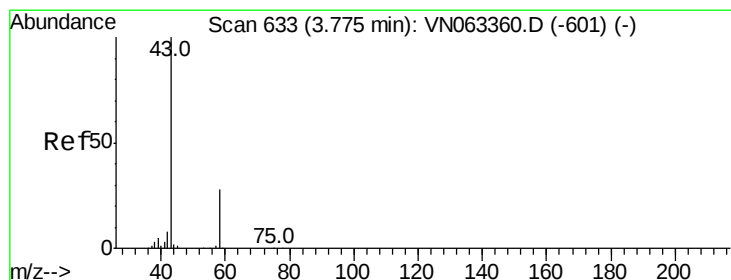
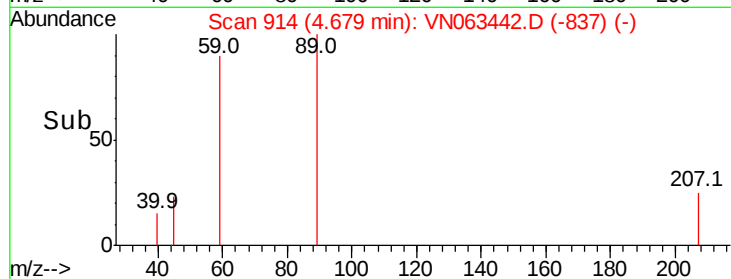
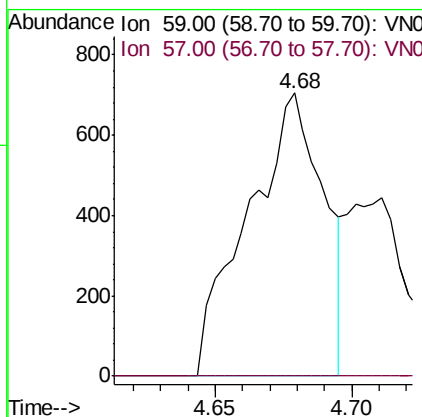
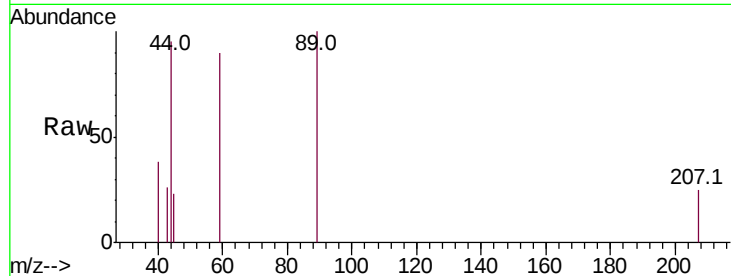




#11
Tert butvl alcohol
Concen: 2.460 ug/l
RT: 4.68 min Scan# 914
Delta R.T. -0.05 min
Lab File: VN063442.D
Acq: 18 Sep 2020 1:10

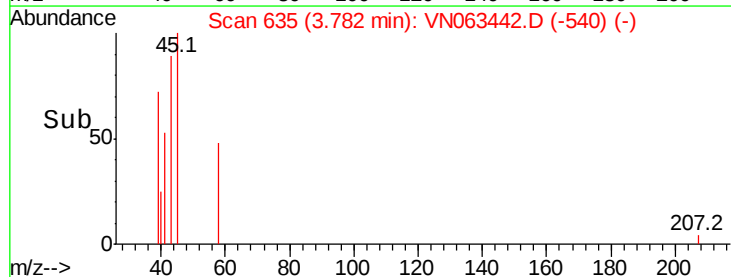
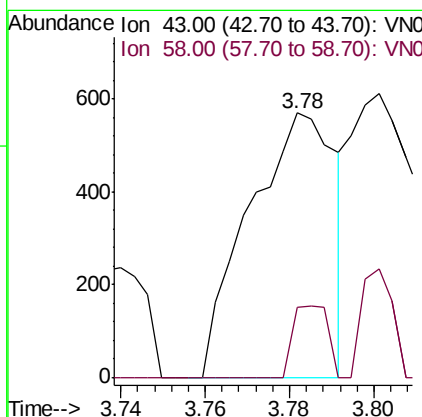
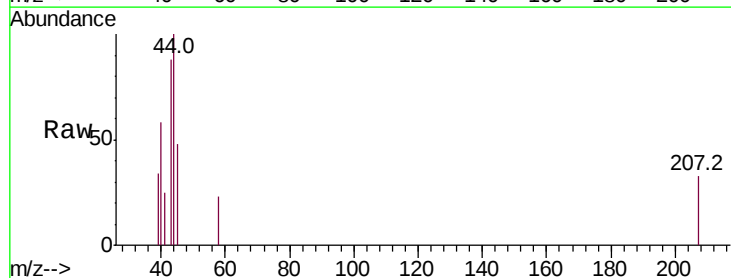
Instrument :
MSVOA_N
ClientSampleId :
B15A-5-7

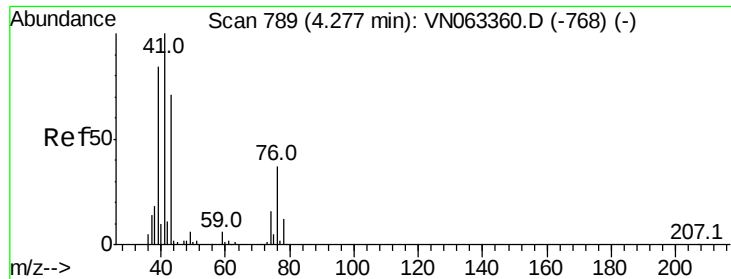
Tot Ion: 59 Resp: 1360
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 0.627 ug/l
RT: 3.78 min Scan# 635
Delta R.T. 0.01 min
Lab File: VN063442.D
Acq: 18 Sep 2020 1:10

Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
58 26.4 22.3 33.5

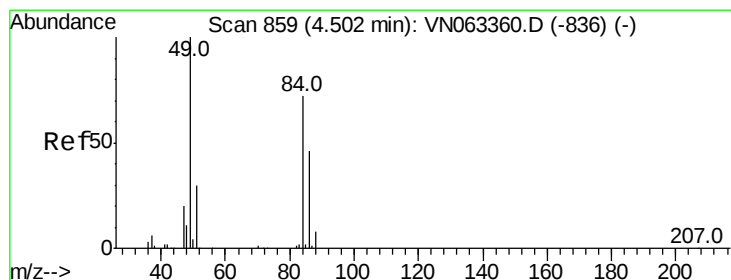
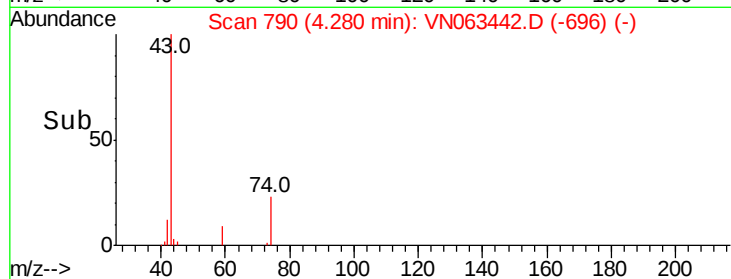
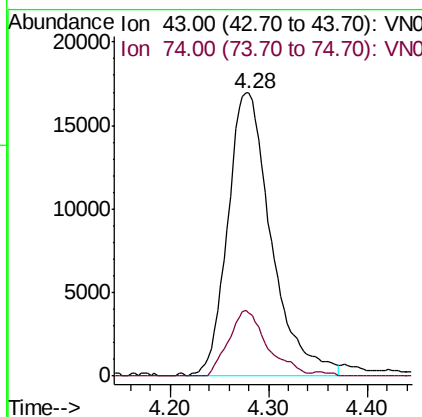
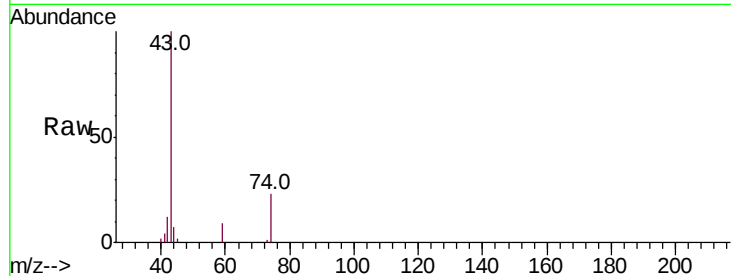




#18
Methyl Acetate
Concen: 16.032 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063442.D
Acq: 18 Sep 2020 1:10

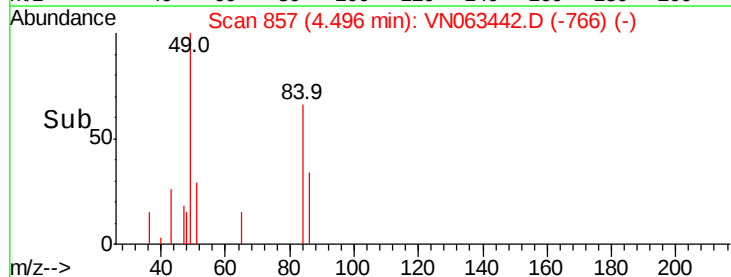
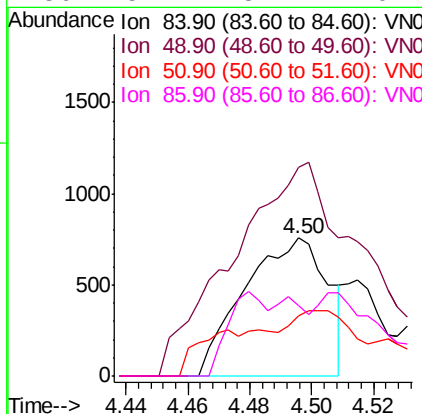
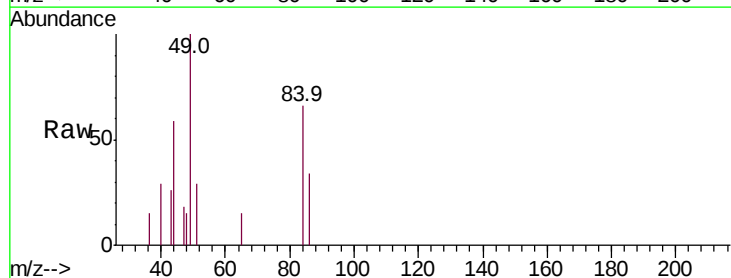
Instrument :
MSVOA_N
ClientSampleId :
B15A-5-7

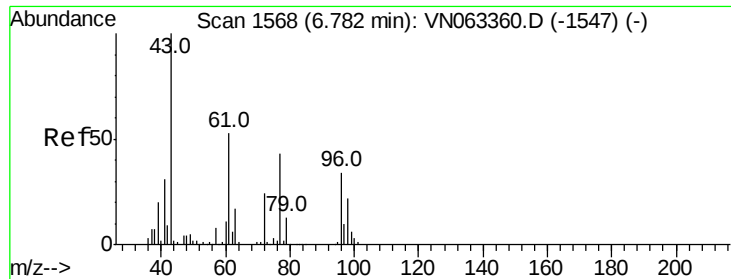
Tot Ion: 43 Resp: 52206
Ion Ratio Lower Upper
43 100
74 20.7 17.4 26.2



#20
Methylene Chloride
Concen: 0.435 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN063442.D
Acq: 18 Sep 2020 1:10

Tgt Ion: 84 Resp: 1414
Ion Ratio Lower Upper
84 100
49 111.5 110.7 166.1
51 23.5 32.9 49.3#
86 51.1 51.1 76.7#

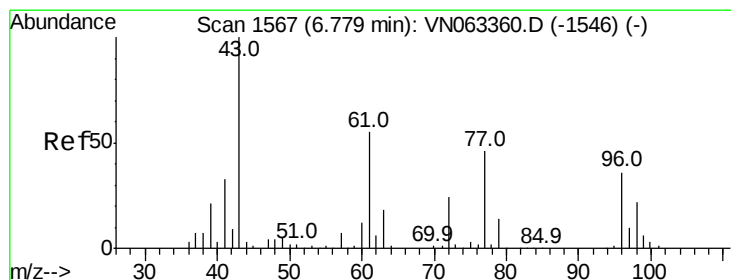
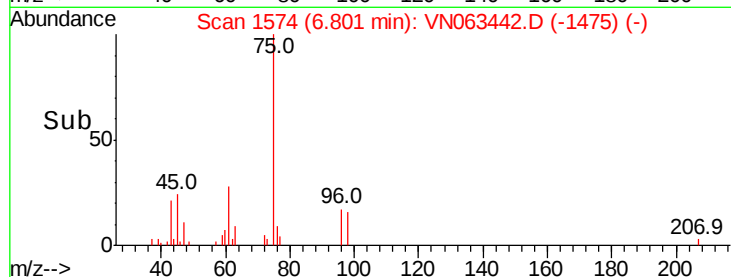
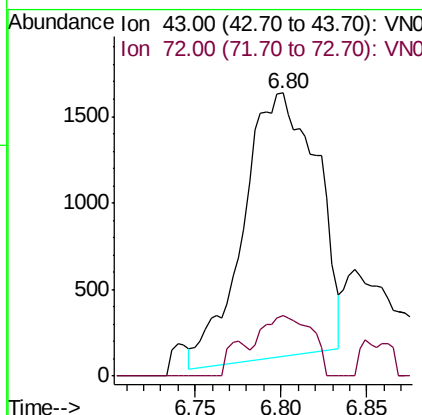
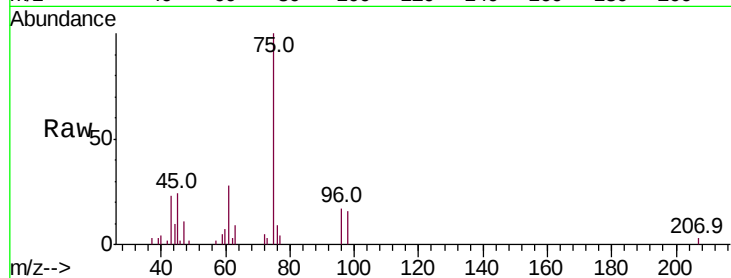




#25
2-Butanone
Concen: 2.312 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN063442.D
Acq: 18 Sep 2020 1:10

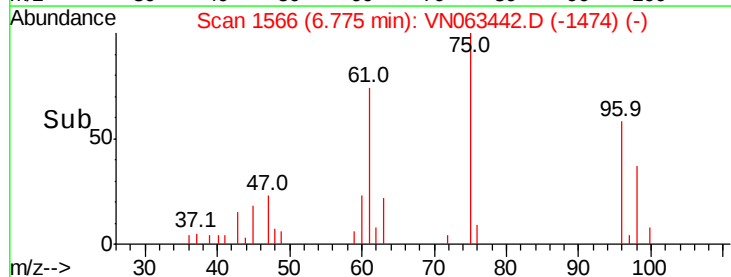
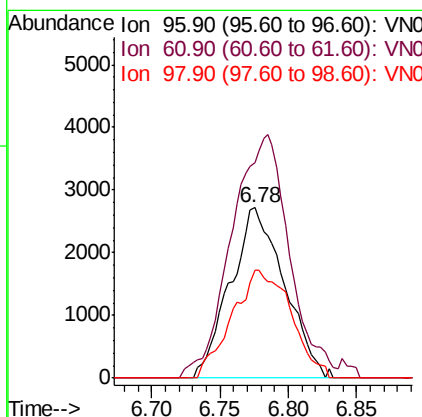
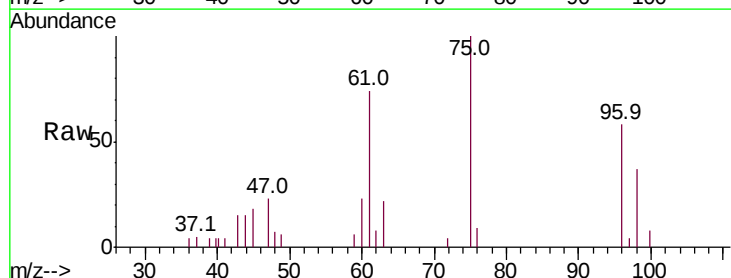
Instrument :
MSVOA_N
ClientSampled :
B15A-5-7

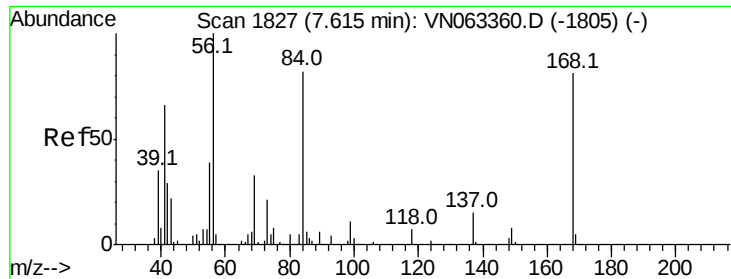
Tot Ion: 43 Resp: 4561
Ion Ratio Lower Upper
43 100
72 23.7 19.2 28.8



#27
cis-1,2-Dichloroethene
Concen: 2.254 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN063442.D
Acq: 18 Sep 2020 1:10

Tgt Ion: 96 Resp: 7479
Ion Ratio Lower Upper
96 100
61 152.8 0.0 319.6
98 68.8 0.0 127.8

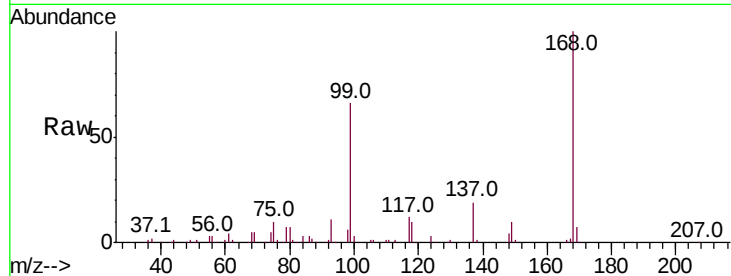




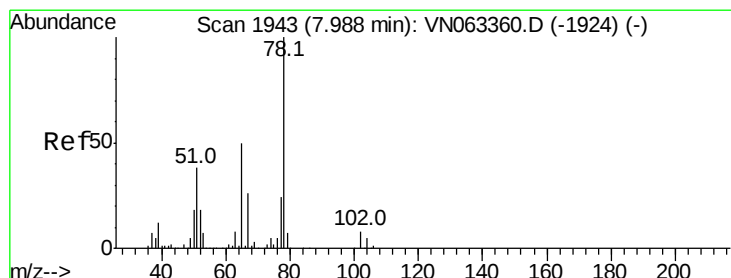
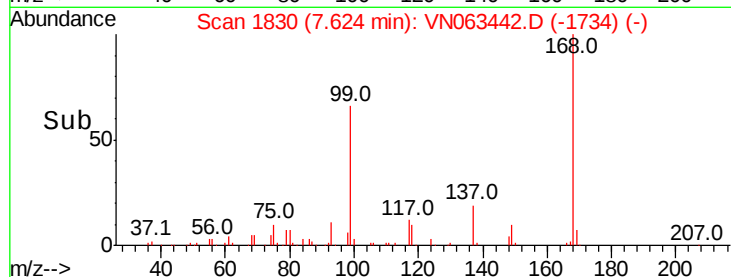
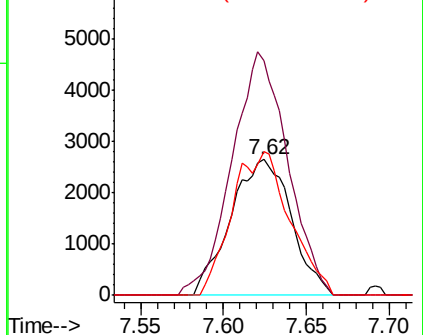
#31
Cyclohexane
Concen: 1.223 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063442.D
Acq: 18 Sep 2020 1:10

Instrument :
MSVOA_N
ClientSampleId :
B15A-5-7

Tot Ion: 56 Resp: 6742
Ion Ratio Lower Upper
56 100
69 172.7 26.1 39.1#
84 106.2 65.4 98.2#

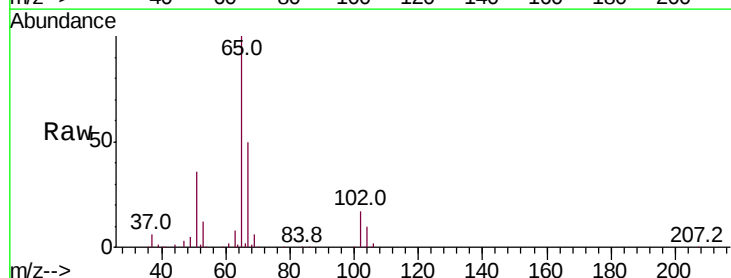


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

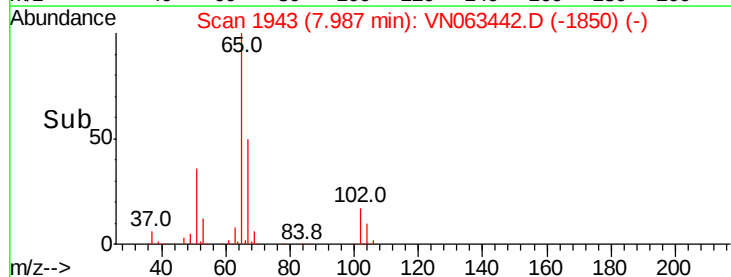
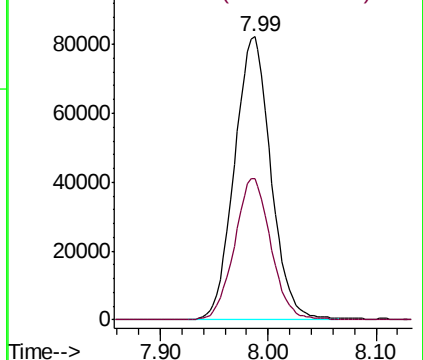


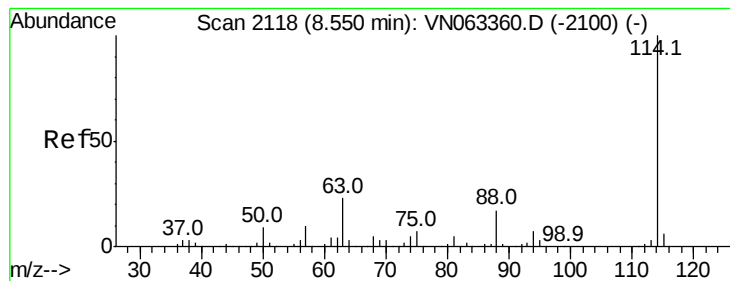
#33
1,2-Dichloroethane-d4
Concen: 48.408 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063442.D
Acq: 18 Sep 2020 1:10

Tgt Ion: 65 Resp: 193208
Ion Ratio Lower Upper
65 100
67 49.7 0.0 104.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN063442.D

Acq: 18 Sep 2020 1:10

Instrument :

MSVOA_N

ClientSampleId :

B15A-5-7

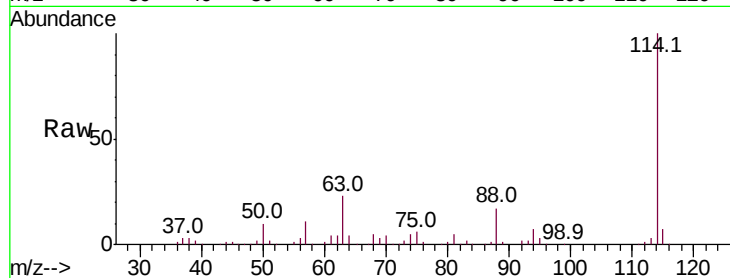
Tot Ion:114 Resp: 437884

Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.4

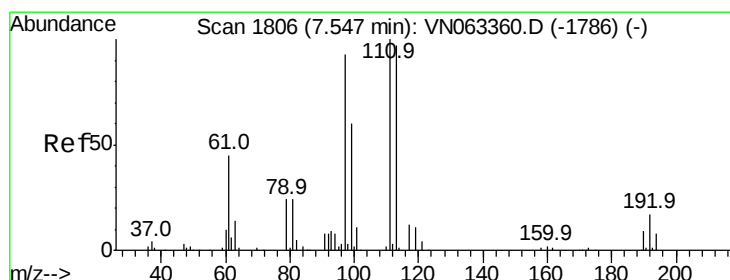
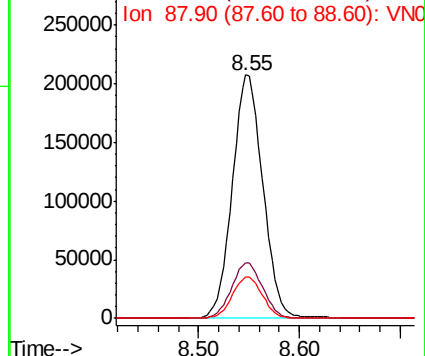
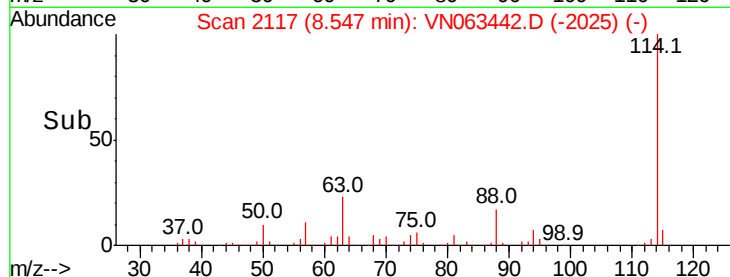
88 17.0 0.0 33.2



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: 45.734 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063442.D

Acq: 18 Sep 2020 1:10

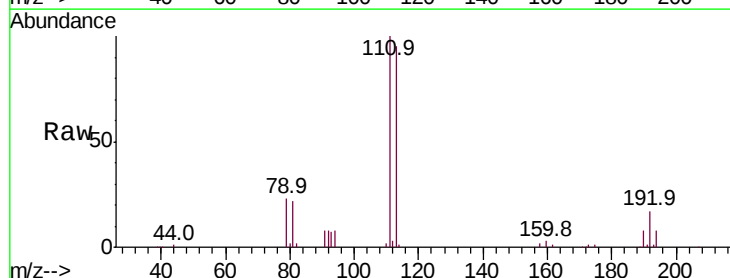
Tgt Ion:113 Resp: 138638

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

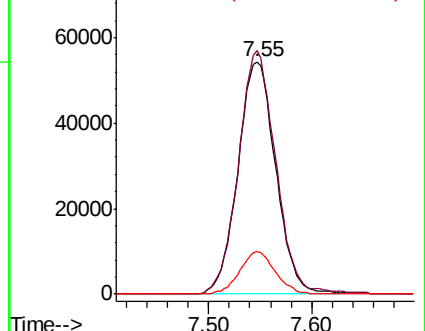
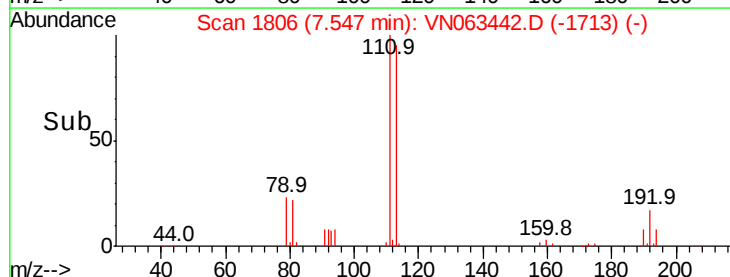
192 17.2 13.9 20.9

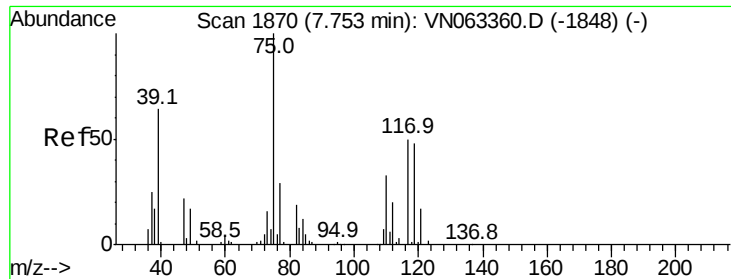


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.932 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063442.D

Acq: 18 Sep 2020 1:10

Instrument :

MSVOA_N

ClientSampleId :

B15A-5-7

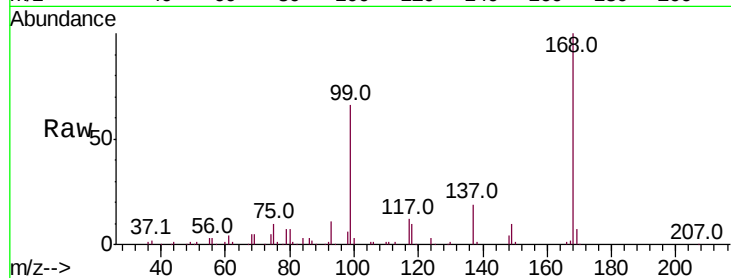
Tot Ion: 75 Resp: 23007

Ion Ratio Lower Upper

75 100

110 8.0 16.5 49.5#

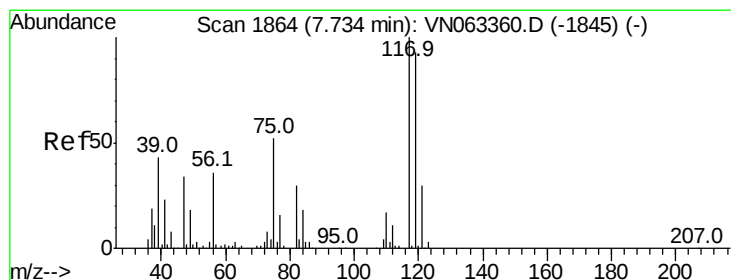
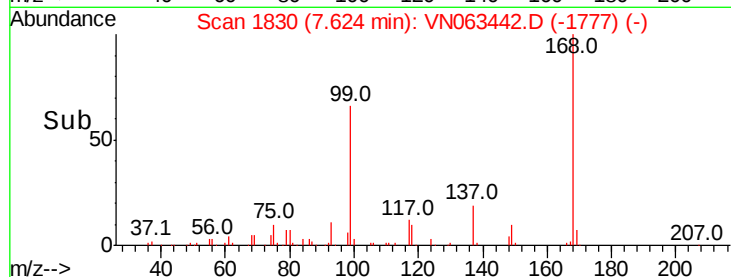
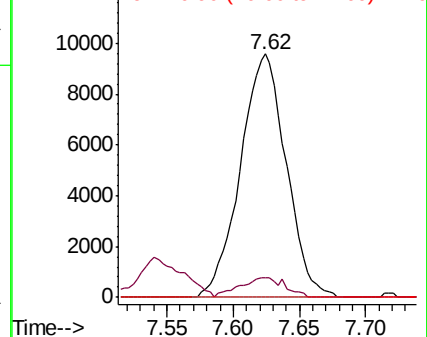
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN063360.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN063360.D (-1848) (-)



#38

Carbon Tetrachloride

Concen: 5.651 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063442.D

Acq: 18 Sep 2020 1:10

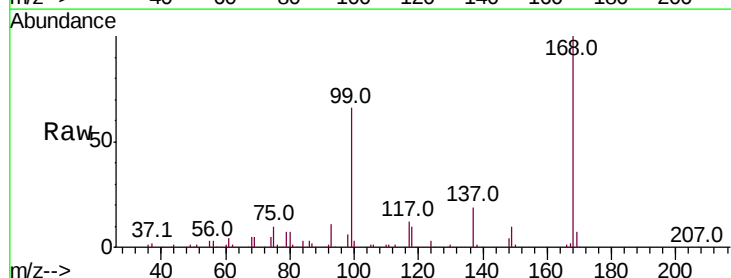
Tgt Ion: 117 Resp: 26911

Ion Ratio Lower Upper

117 100

119 3.8 74.5 111.7#

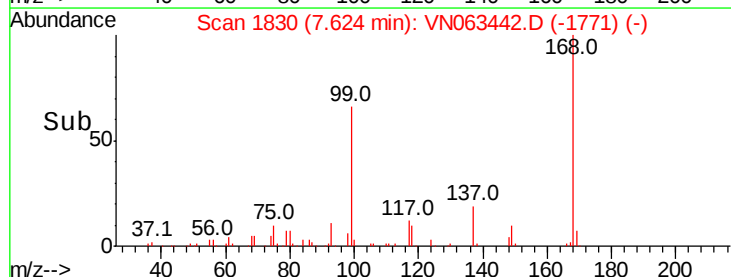
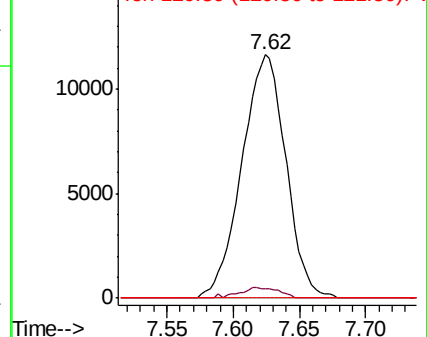
121 0.0 24.1 36.1#

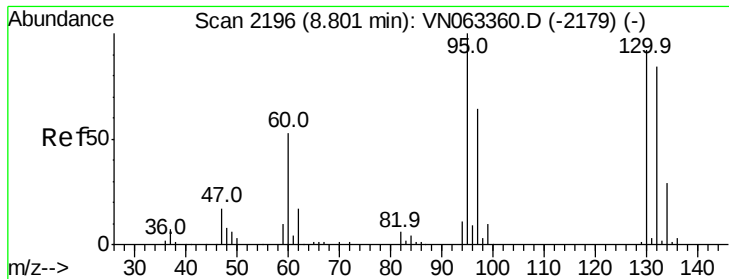


Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN063360.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN063360.D (-1845) (-)





#44

Trichloroethene

Concen: 6.359 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN063442.D

Acq: 18 Sep 2020 1:10

Instrument :

MSVOA_N

ClientSampleId :

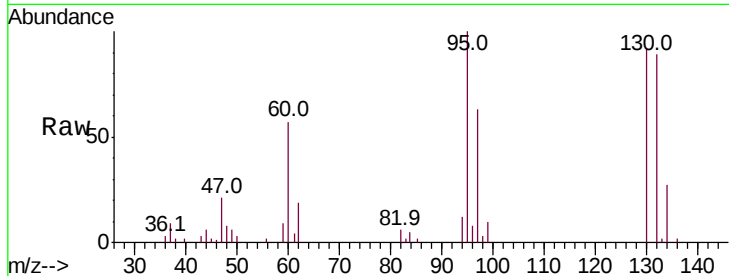
B15A-5-7

Tot Ion:130 Resp: 20538

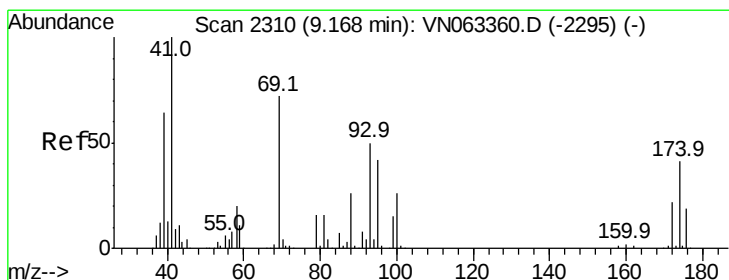
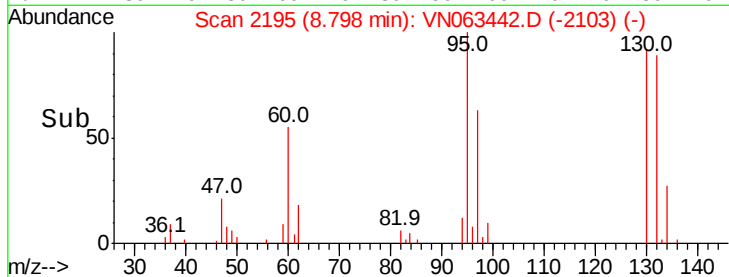
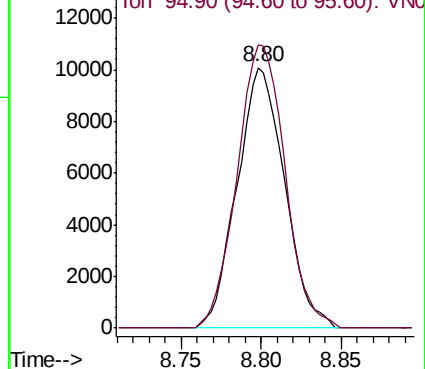
Ion Ratio Lower Upper

130 100

95 108.6 0.0 217.4



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



#49

1,4-Dioxane

Concen: 0.537 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN063442.D

Acq: 18 Sep 2020 1:10

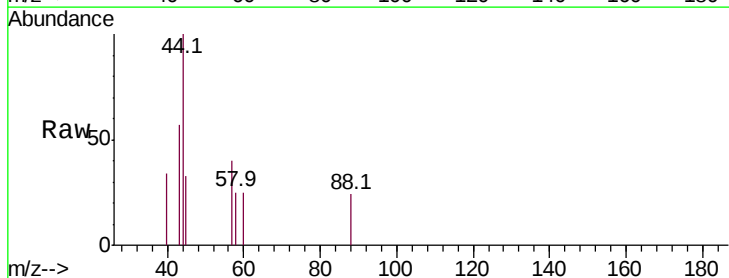
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

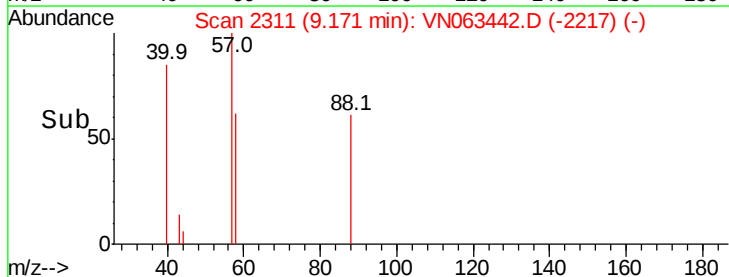
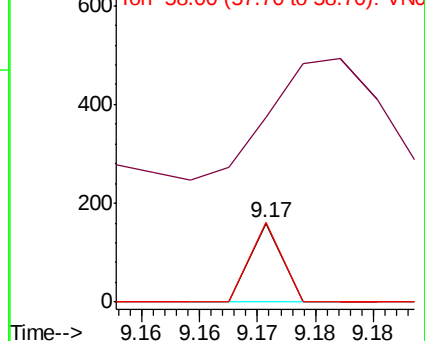
88 100

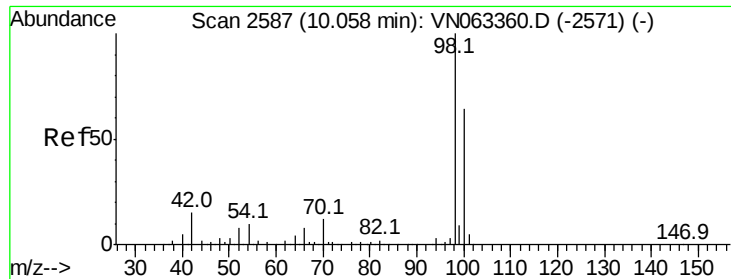
43 638.7 32.6 49.0#

58 100.0 60.0 90.0#



Abundance Ion 88.00 (87.70 to 88.70): VN063360.D (-2295) (-)





#50

Toluene-d8

Concen: 49.096 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063442.D

Acq: 18 Sep 2020 1:10

Instrument :

MSVOA_N

ClientSampleId :

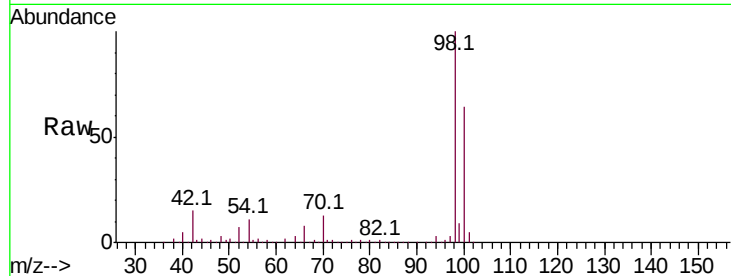
B15A-5-7

Tot Ion: 98 Resp: 559619

Ion Ratio Lower Upper

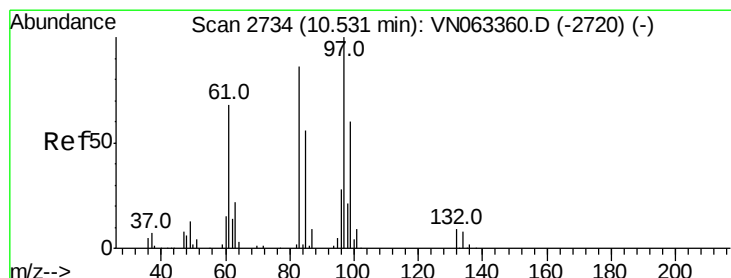
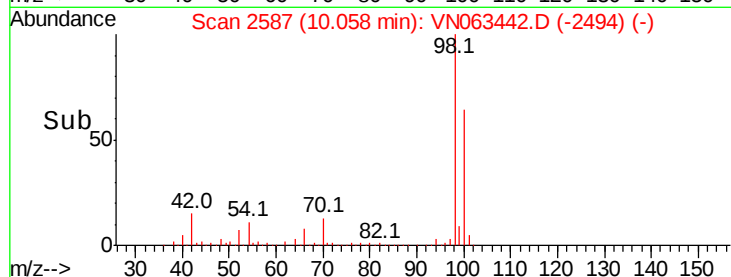
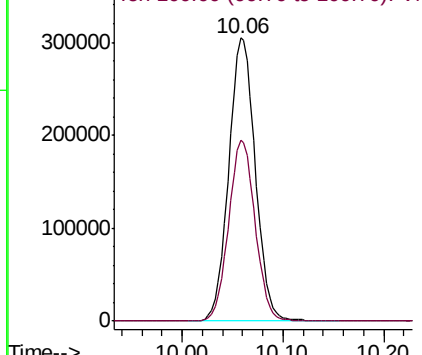
98 100

100 63.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#55

1,1,2-Trichloroethane

Concen: 1.231 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.07 min

Lab File: VN063442.D

Acq: 18 Sep 2020 1:10

Tgt Ion: 97 Resp: 3916

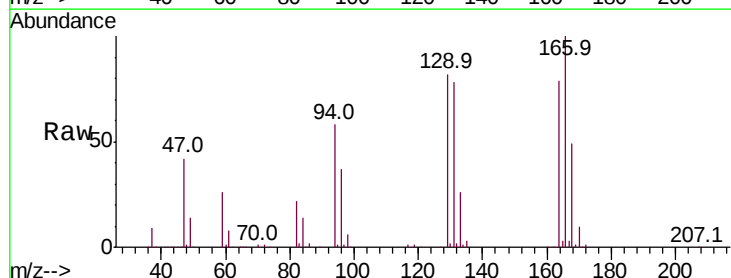
Ion Ratio Lower Upper

97 100

83 218.5 68.9 103.3#

85 46.0 44.8 67.2

99 15.3 47.8 71.8#

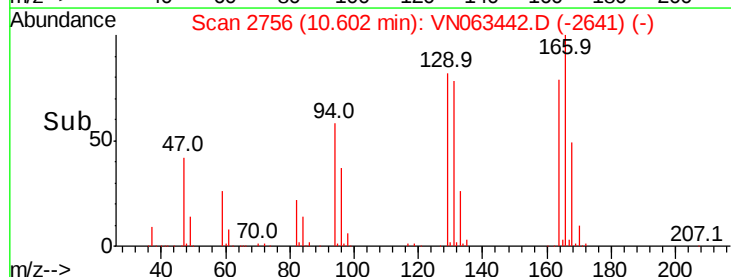
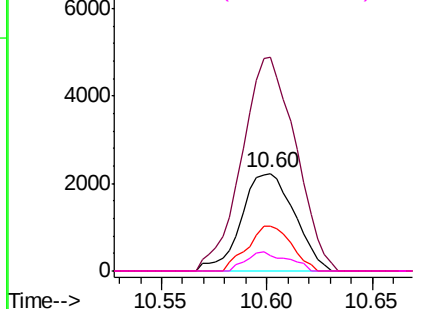


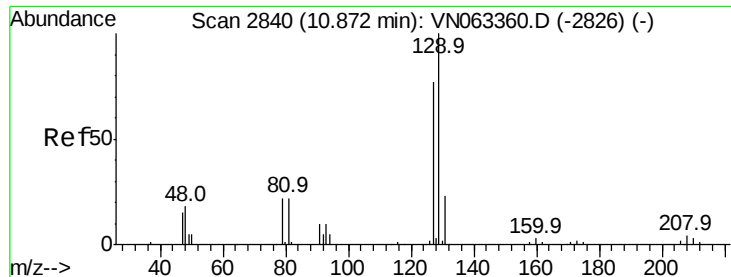
Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 98.538 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN063442.D

Acq: 18 Sep 2020 1:10

Instrument :

MSVOA_N

ClientSampleId :

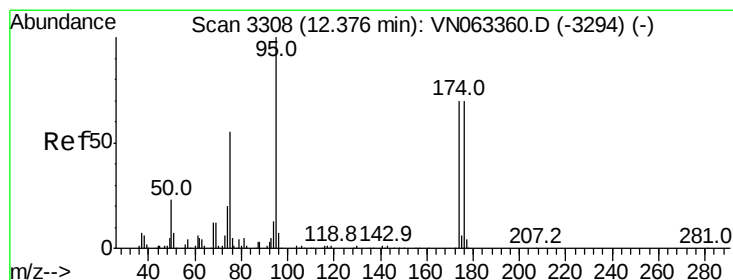
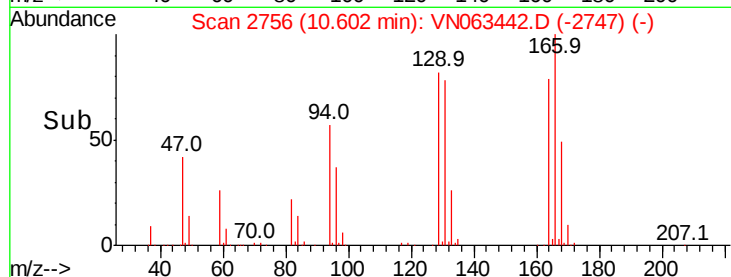
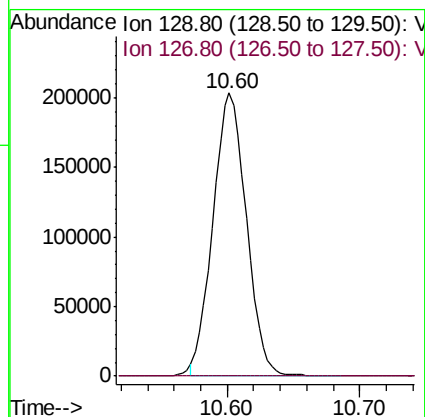
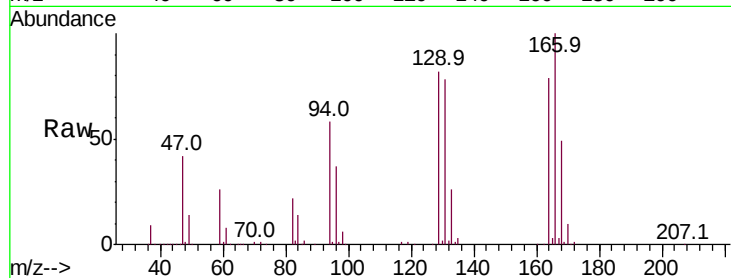
B15A-5-7

Tot Ion:129 Resp: 354032

Ion Ratio Lower Upper

129 100

127 0.1 39.1 117.3#



#62

4-Bromofluorobenzene

Concen: 53.337 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063442.D

Acq: 18 Sep 2020 1:10

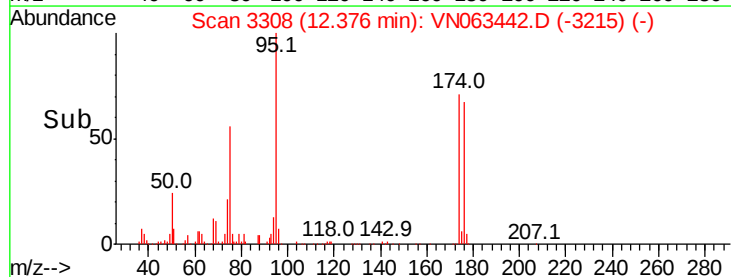
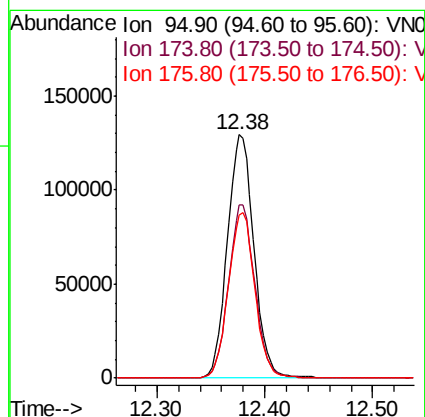
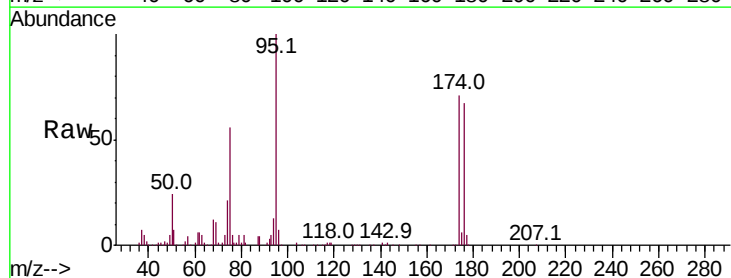
Tgt Ion: 95 Resp: 222867

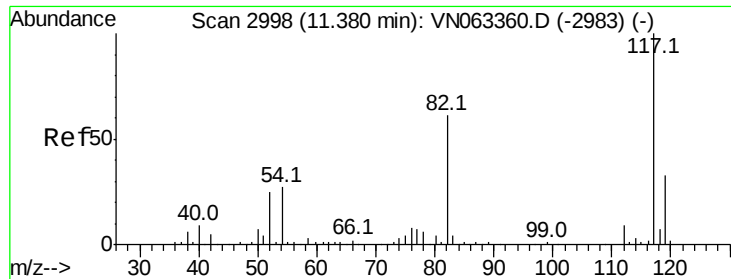
Ion Ratio Lower Upper

95 100

174 70.1 0.0 140.8

176 67.6 0.0 137.6

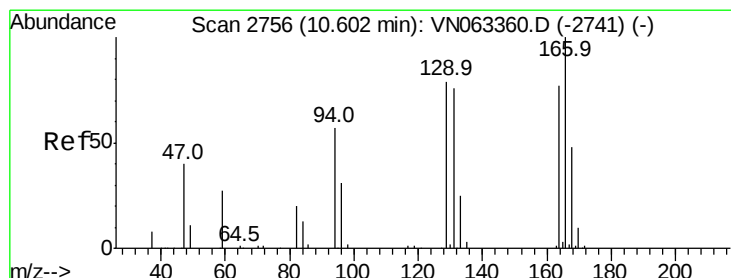
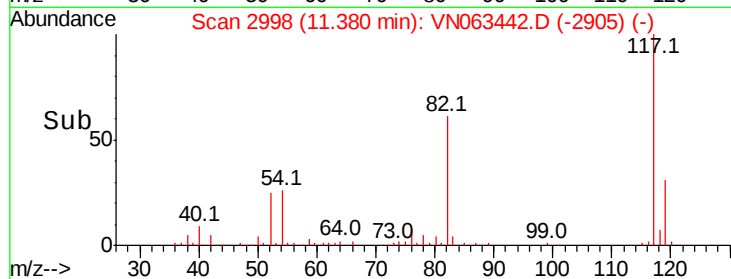
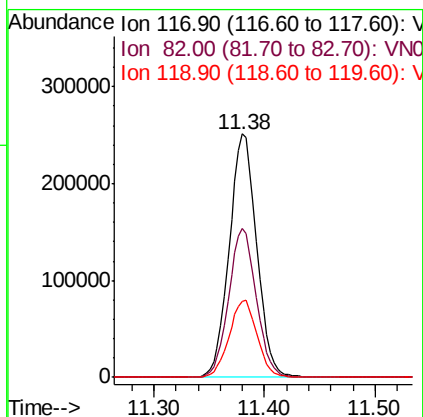
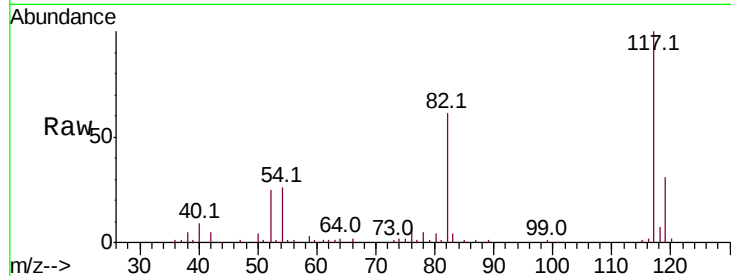




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063442.D
Acq: 18 Sep 2020 1:10

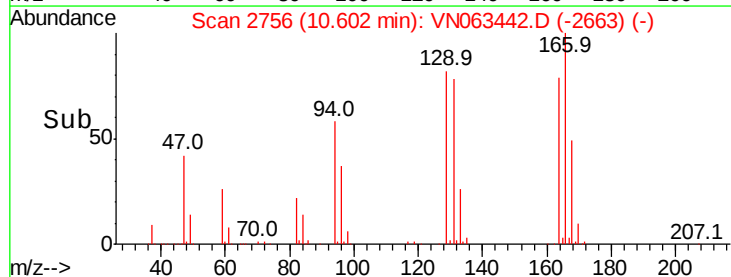
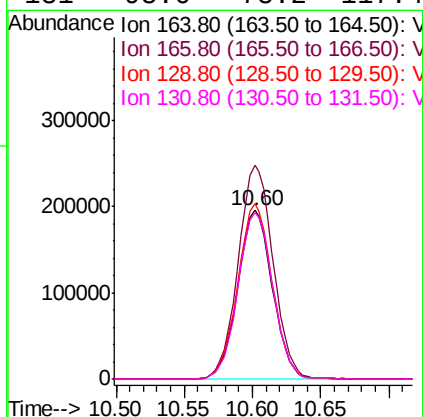
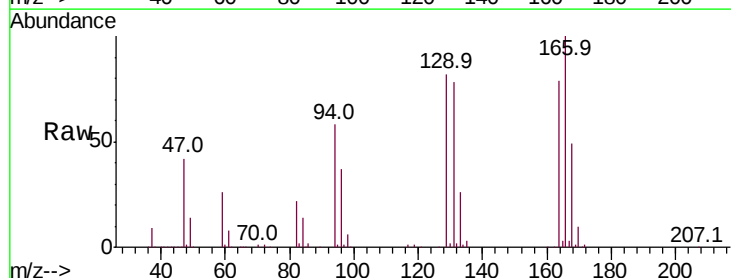
Instrument :
MSVOA_N
ClientSampleId :
B15A-5-7

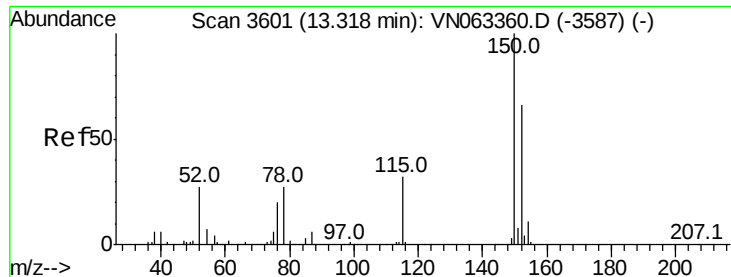
Tot Ion:117 Resp: 434530
Ion Ratio Lower Upper
117 100
82 60.9 49.2 73.8
119 31.4 26.2 39.4



#64
Tetrachloroethene
Concen: 116.199 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063442.D
Acq: 18 Sep 2020 1:10

Tgt Ion:164 Resp: 343814
Ion Ratio Lower Upper
164 100
166 126.6 103.4 155.0
129 103.8 81.8 122.6
131 98.6 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: VN063442.D

Acq: 18 Sep 2020 1:10

Instrument :

MSVOA_N

ClientSampleId :

B15A-5-7

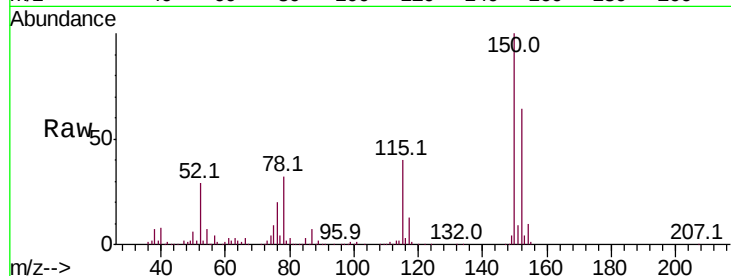
Tot Ion:152 Resp: 195572

Ion Ratio Lower Upper

152 100

115 63.3 32.2 96.6

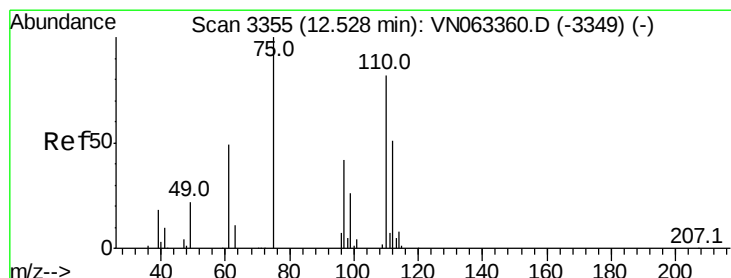
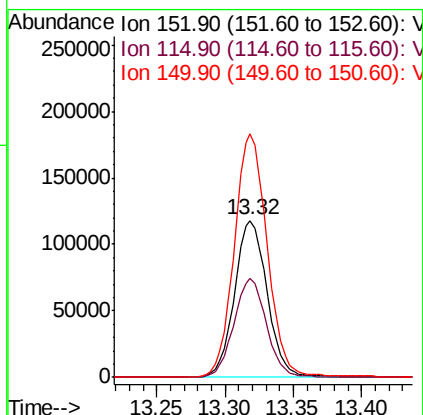
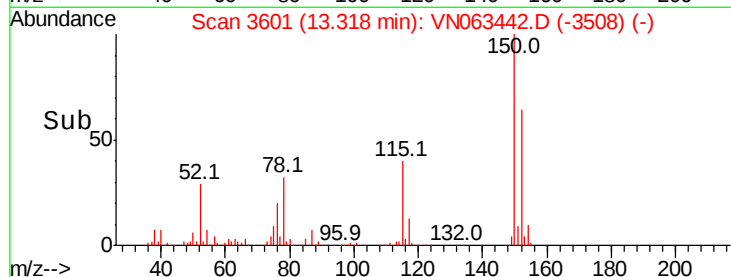
150 156.6 0.0 343.4



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: 25.833 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063442.D

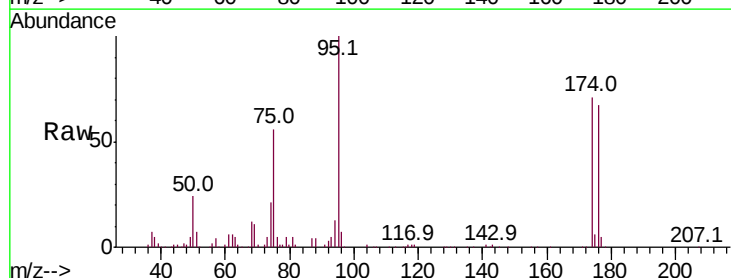
Acq: 18 Sep 2020 1:10

Tgt Ion: 75 Resp: 125051

Ion Ratio Lower Upper

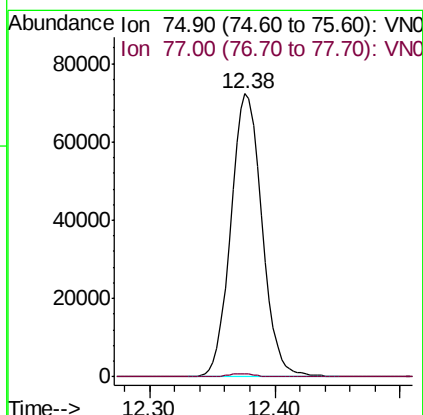
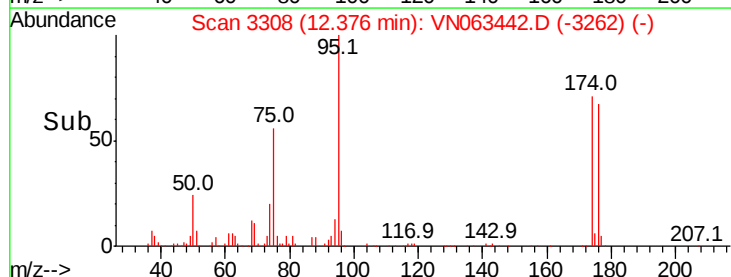
75 100

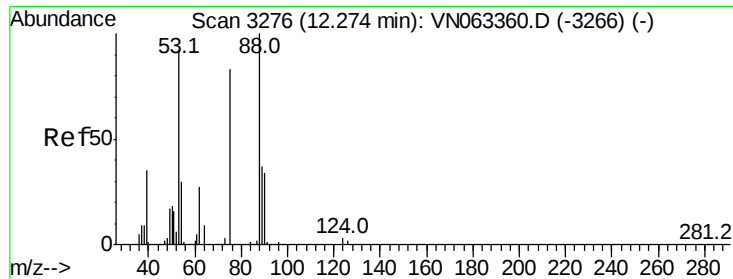
77 1.0 0.0 0.0#



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: 70.825 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063442.D

Acq: 18 Sep 2020 1:10

Instrument :

MSVOA_N

ClientSampleId :

B15A-5-7

Tot Ion: 75 Resp: 125051

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

