

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063441.D
 Acq On : 18 Sep 2020 00:46
 Operator : JC/MD
 Sample : L4021-04
 Misc : 9.72g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B15-5-7

Quant Time: Sep 18 05:11:57 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	232967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	432513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	421914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	187995	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	190140	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	7.55	113	134870	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	
50) Toluene-d8	10.06	98	554837	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.38	95	214486	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	

Target Compounds

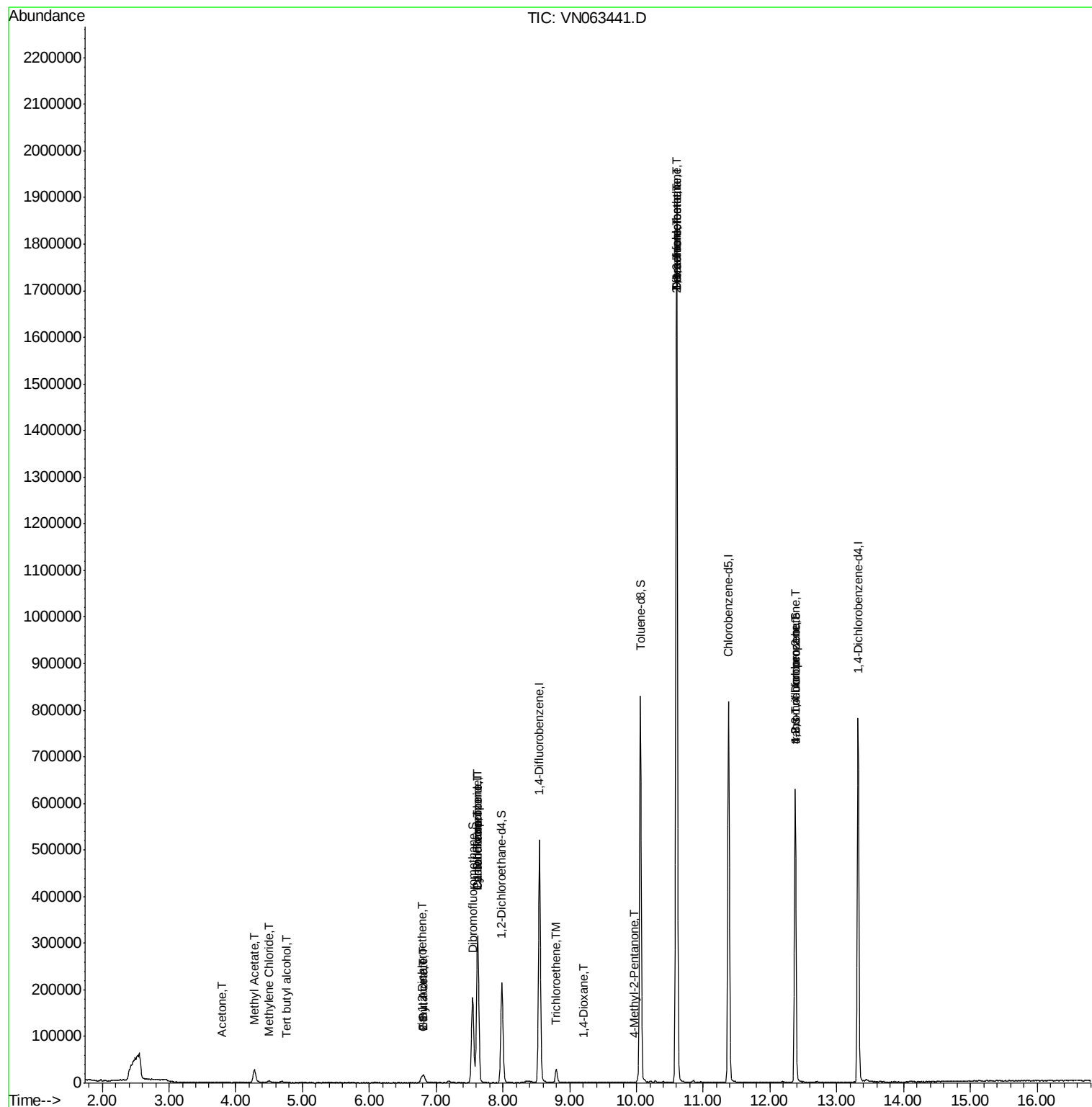
						Qvalue
11) Tert butyl alcohol	4.75	59	133	0.242	ug/l #	72
16) Acetone	3.79	43	708	0.556	ug/l #	60
18) Methyl Acetate	4.27	43	55612	17.188	ug/l	94
20) Methylene Chloride	4.49	84	2308	0.715	ug/l #	79
25) 2-Butanone	6.80	43	4592	2.343	ug/l #	80
27) cis-1,2-Dichloroethene	6.78	96	2635	0.799	ug/l	94
31) Cyclohexane	7.62	56	6793	1.240	ug/l #	16
36) 1,1-Dichloropropene	7.62	75	21724	4.715	ug/l #	47
37) Ethyl Acetate	6.80	43	4592	1.015	ug/l #	1
38) Carbon Tetrachloride	7.62	117	25831	5.492	ug/l #	16
44) Trichloroethene	8.80	130	9344	2.929	ug/l	99
49) 1,4-Dioxane	9.19	88	63	1.105	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	1096	0.242	ug/l #	39
55) 1,1,2-Trichloroethane	10.60	97	4225	1.345	ug/l #	8
59) 2-Hexanone	10.59	43	679	0.207	ug/l	88
60) Dibromochloromethane	10.60	129	391424	110.298	ug/l #	10
64) Tetrachloroethene	10.60	164	387198	134.775	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	122982	26.430	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	122982	72.461	ug/l #	7

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

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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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063441.D

Acq: 18 Sep 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

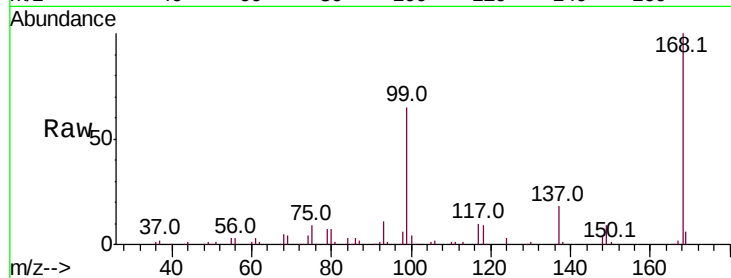
B15-5-7

Tot Ion:168 Resp: 232967

Ion Ratio Lower Upper

168 100

99 65.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

100000

80000

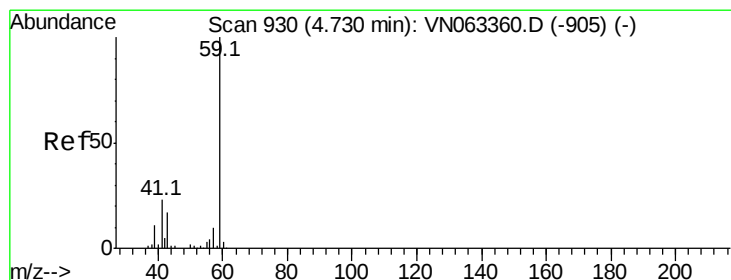
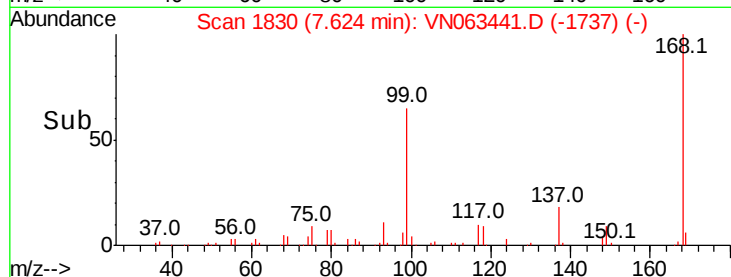
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.242 ug/l

RT: 4.75 min Scan# 936

Delta R.T. 0.02 min

Lab File: VN063441.D

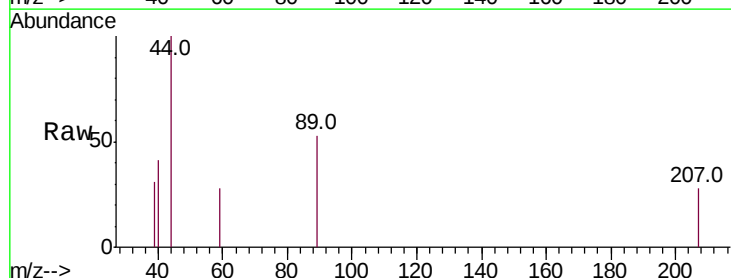
Acq: 18 Sep 2020 00:46

Tgt Ion: 59 Resp: 133

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

250

200

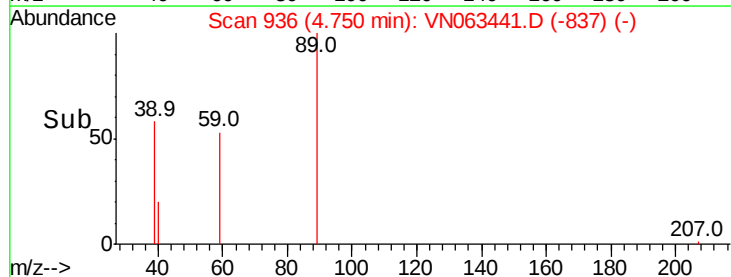
150

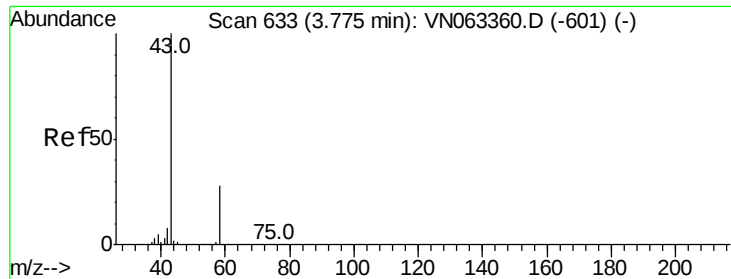
100

50

0

Time--> 4.74 4.75 4.76





#16

Acetone

Concen: 0.556 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN063441.D

Acq: 18 Sep 2020 00:46

Instrument :

MSVOA_N

ClientSampled :

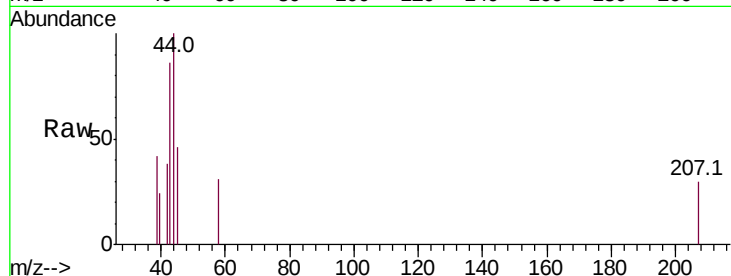
B15-5-7

Tot Ion: 43 Resp: 708

Ion Ratio Lower Upper

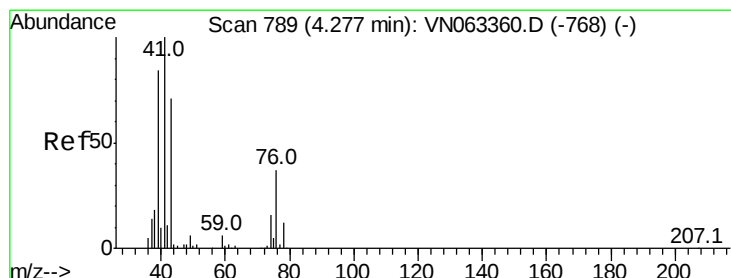
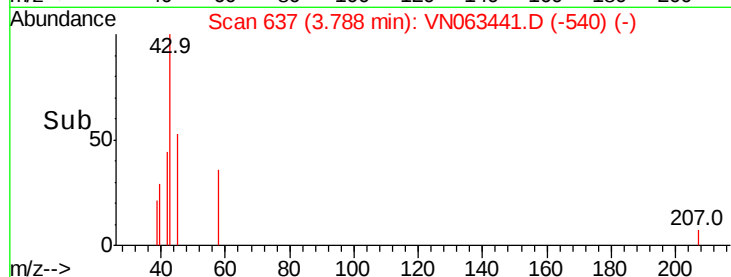
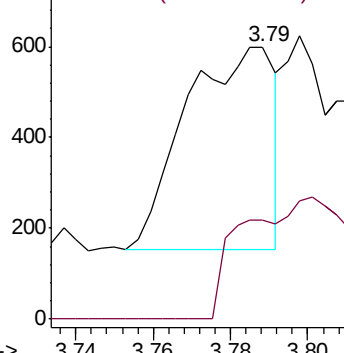
43 100

58 49.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 17.188 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN063441.D

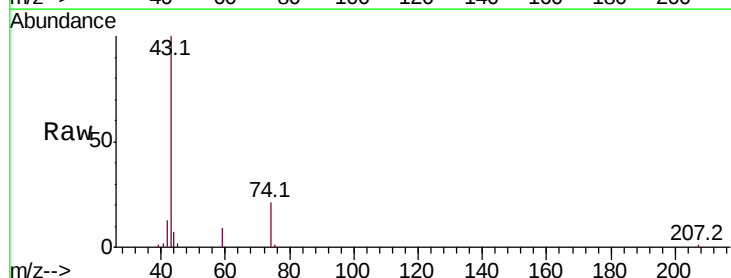
Acq: 18 Sep 2020 00:46

Tgt Ion: 43 Resp: 55612

Ion Ratio Lower Upper

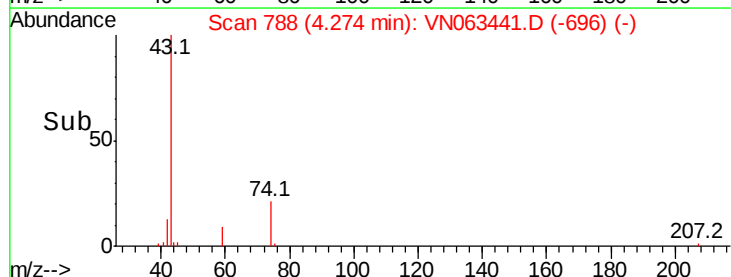
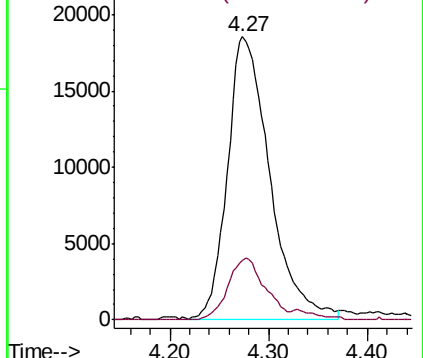
43 100

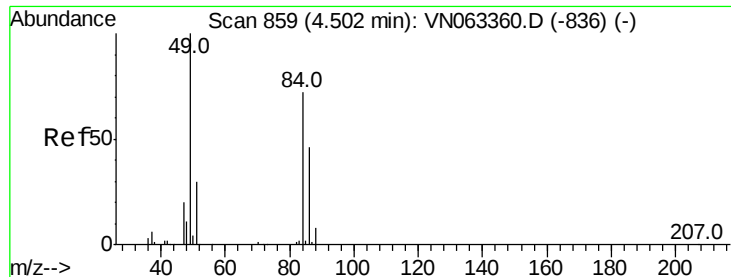
74 19.1 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

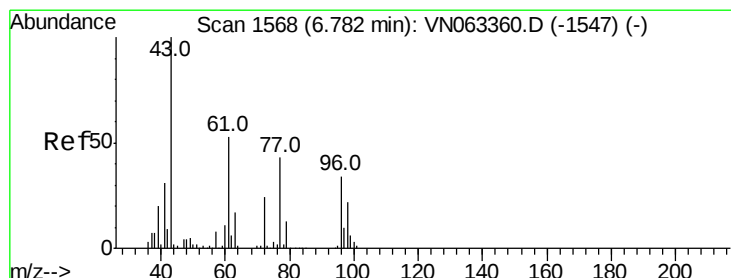
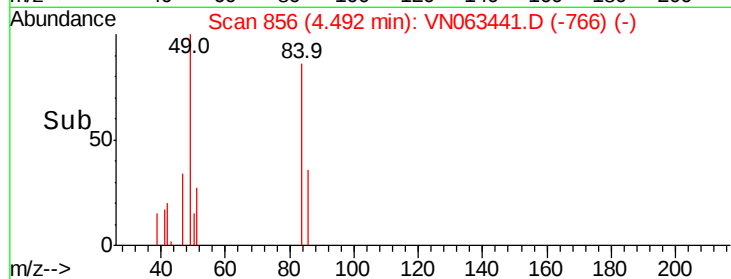
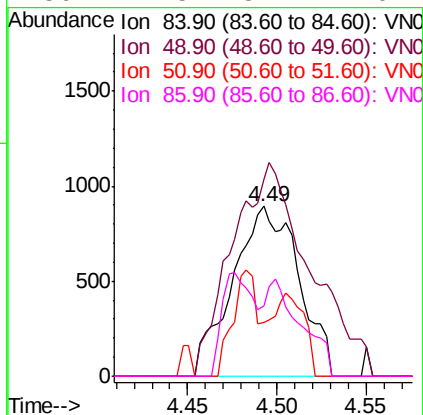
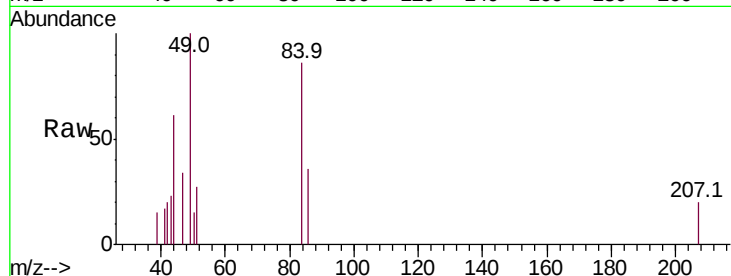




#20
Methvlene Chloride
Concen: 0.715 ug/l
RT: 4.49 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN063441.D
Acq: 18 Sep 2020 00:46

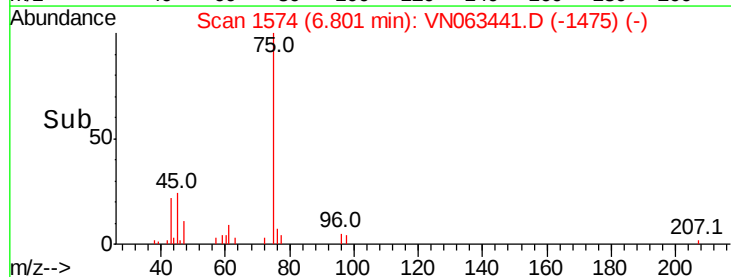
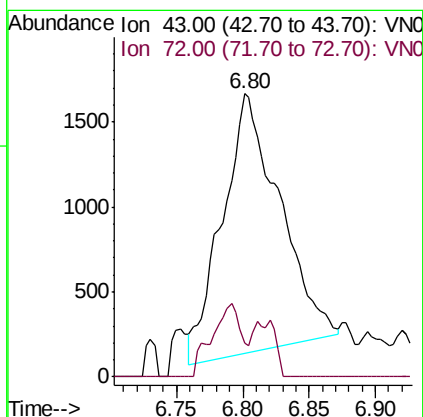
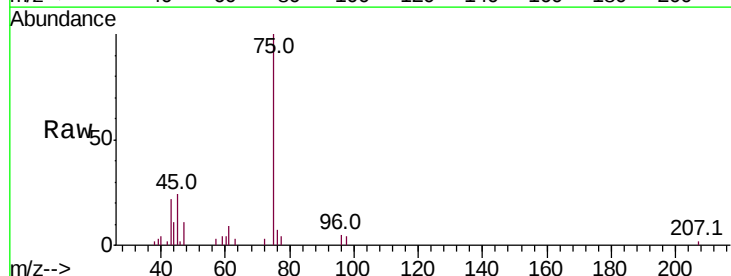
Instrument :
MSVOA_N
ClientSampled :
B15-5-7

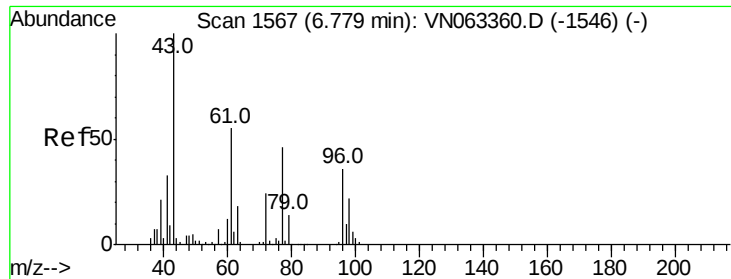
Tot Ion: 84 Resp: 2308
Ion Ratio Lower Upper
84 100
49 116.1 110.7 166.1
51 31.5 32.9 49.3#
86 41.5 51.1 76.7#



#25
2-Butanone
Concen: 2.343 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN063441.D
Acq: 18 Sep 2020 00:46

Tgt Ion: 43 Resp: 4592
Ion Ratio Lower Upper
43 100
72 13.9 19.2 28.8#

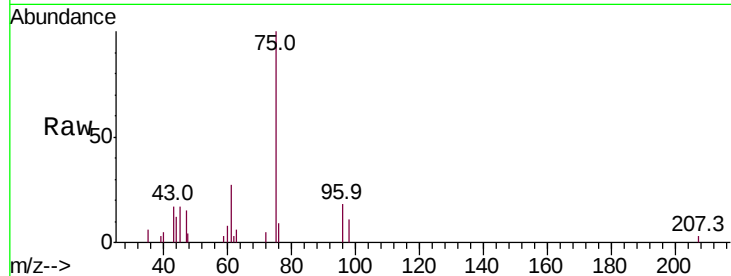




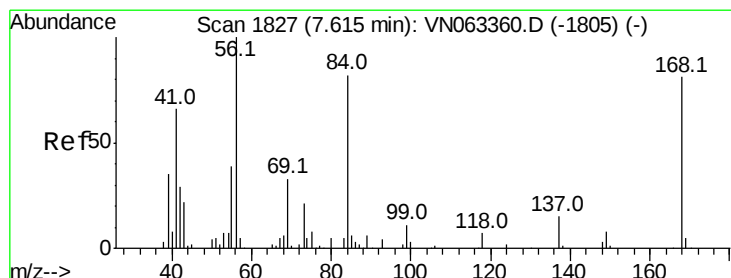
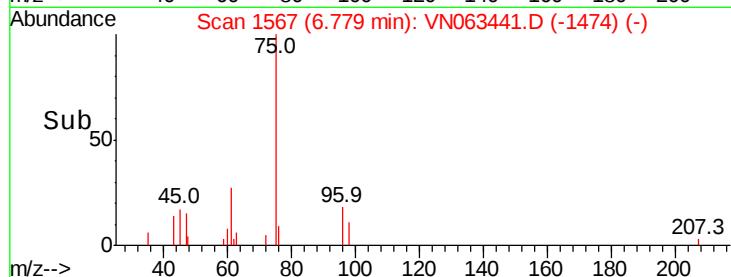
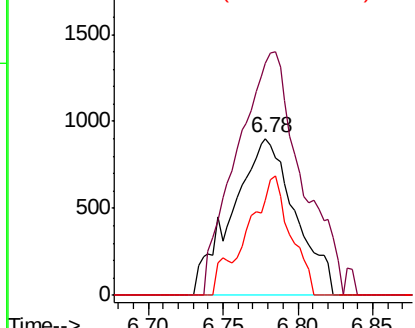
#27
 cis-1,2-Dichloroethene
 Concen: 0.799 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN063441.D
 Acq: 18 Sep 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 B15-5-7

Tot Ion: 96 Resp: 2635
 Ion Ratio Lower Upper
 96 100
 61 159.3 0.0 319.6
 98 47.3 0.0 127.8

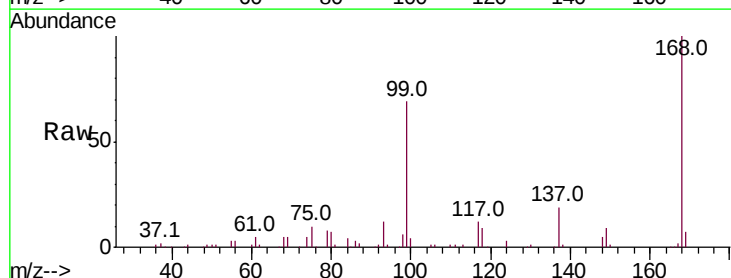


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

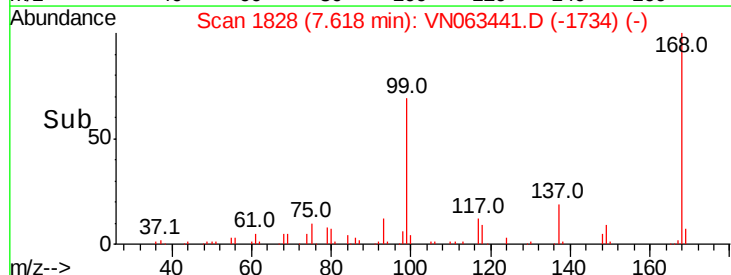
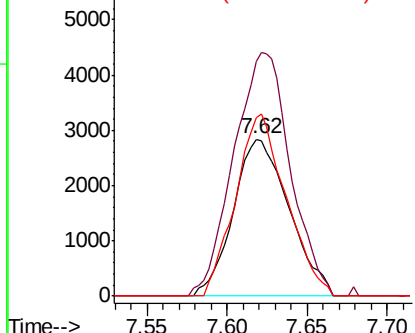


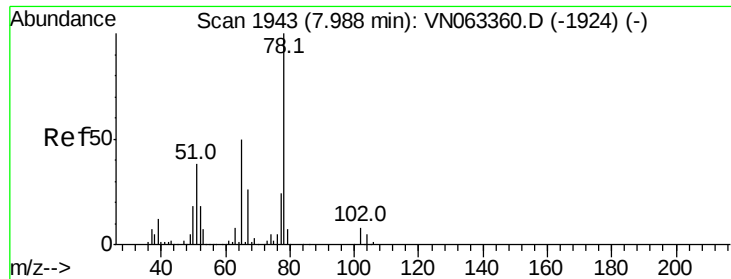
#31
 Cyclohexane
 Concen: 1.240 ug/l
 RT: 7.62 min Scan# 1828
 Delta R.T. 0.00 min
 Lab File: VN063441.D
 Acq: 18 Sep 2020 00:46

Tgt Ion: 56 Resp: 6793
 Ion Ratio Lower Upper
 56 100
 69 149.2 26.1 39.1#
 84 113.1 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: 47.946 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

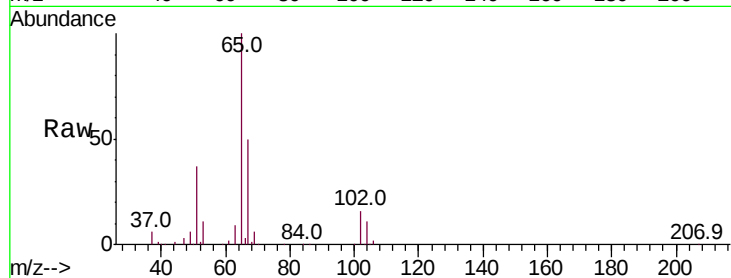
Lab File: VN063441.D

Acq: 18 Sep 2020 00:46

Instrument :
MSVOA_N
ClientSampleId :
B15-5-7

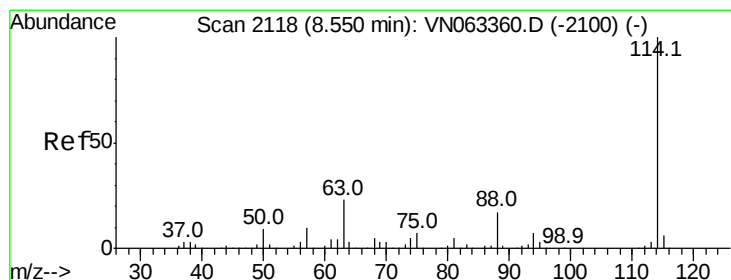
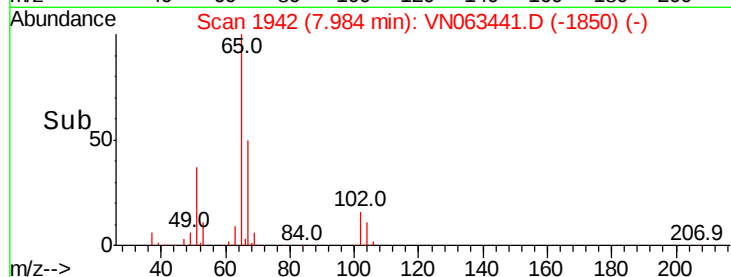
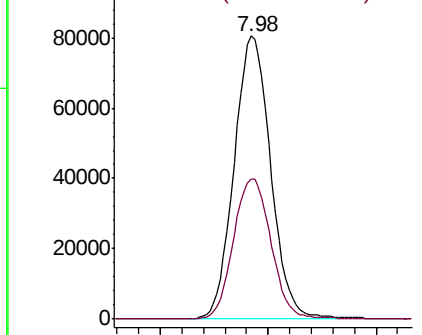
Tot Ion: 65 Resp: 190140

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	104.2



Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

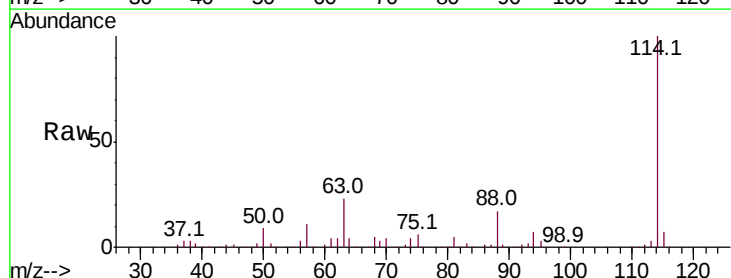
Delta R.T. -0.00 min

Lab File: VN063441.D

Acq: 18 Sep 2020 00:46

Tgt Ion: 114 Resp: 432513

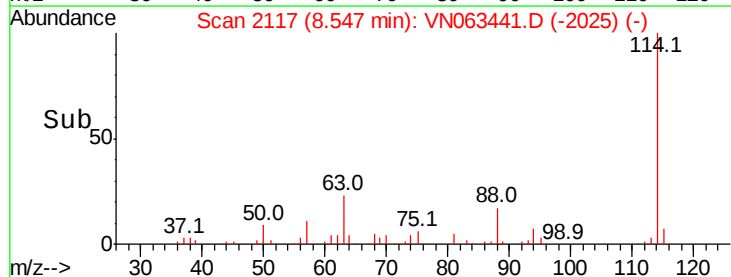
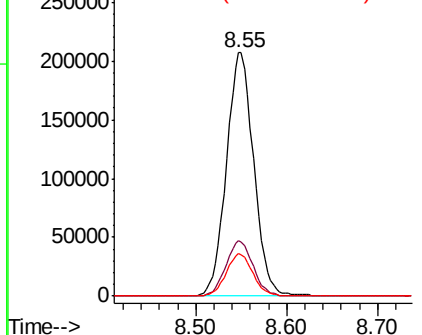
Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	46.4
88	17.3	0.0	33.2

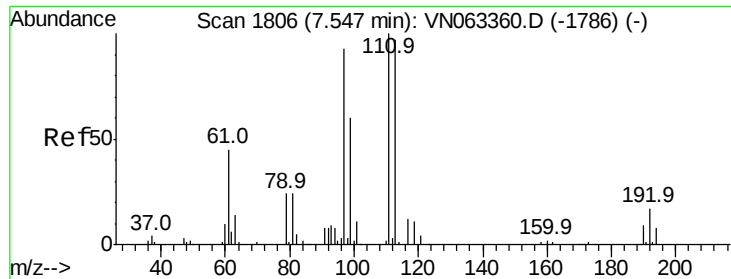


Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)

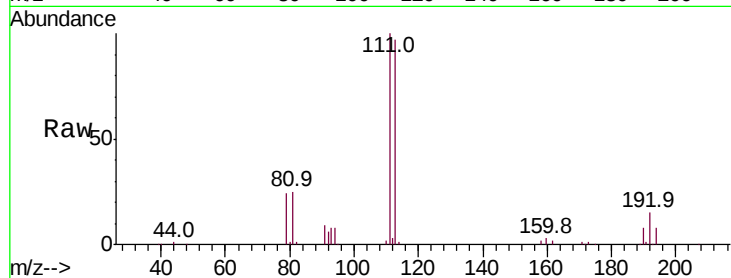




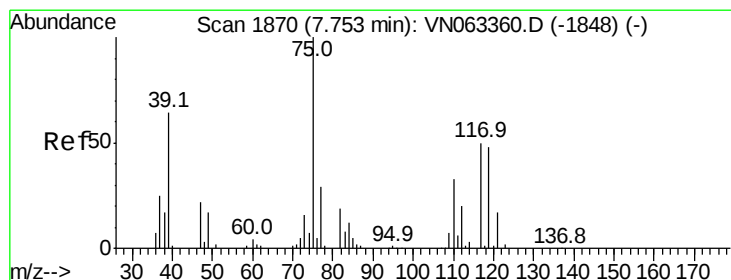
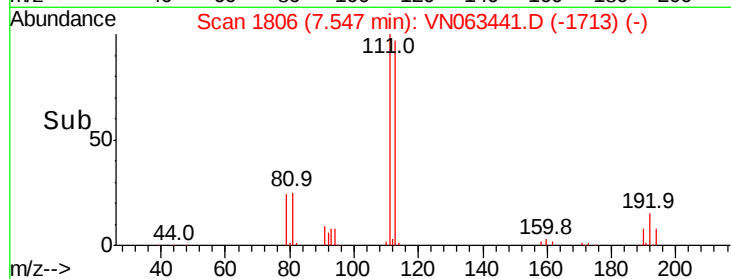
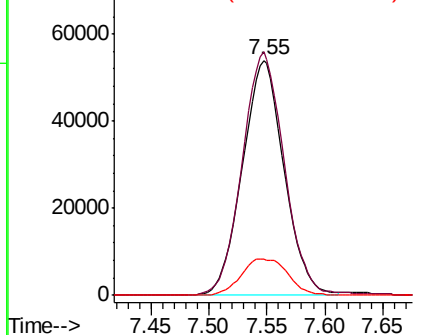
#35
 Dibromofluoromethane
 Concen: 45.044 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063441.D
 Acq: 18 Sep 2020 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 B15-5-7

Tot Ion:113 Resp: 134870
 Ion Ratio Lower Upper
 113 100
 111 104.8 82.9 124.3
 192 17.3 13.9 20.9

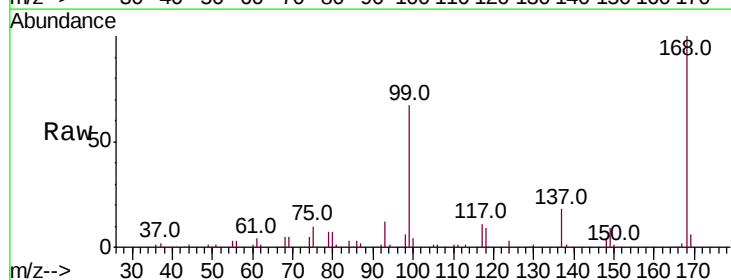


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

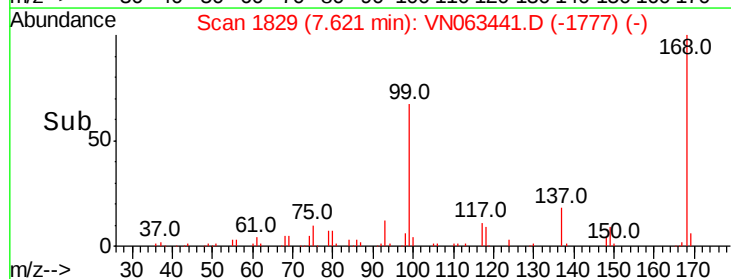
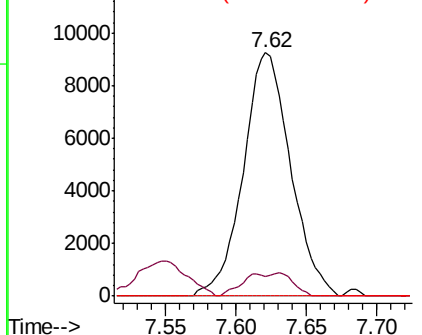


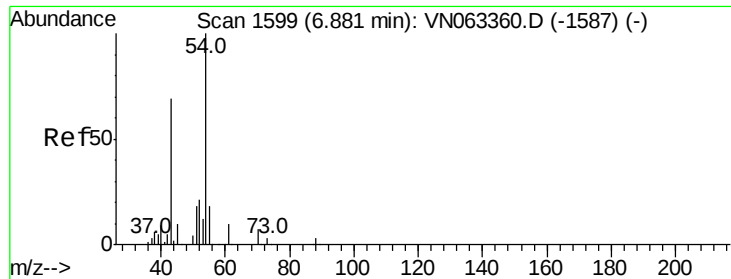
#36
 1,1-Dichloropropene
 Concen: 4.715 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN063441.D
 Acq: 18 Sep 2020 00:46

Tgt Ion: 75 Resp: 21724
 Ion Ratio Lower Upper
 75 100
 110 4.8 16.5 49.5#
 77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

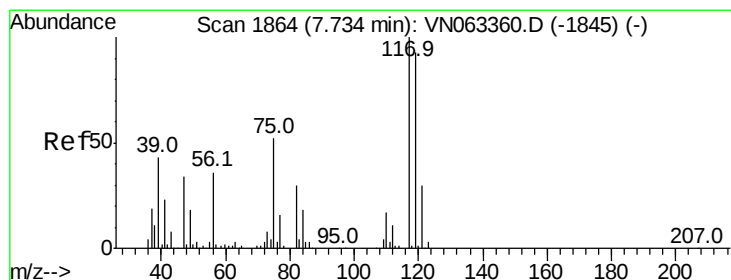
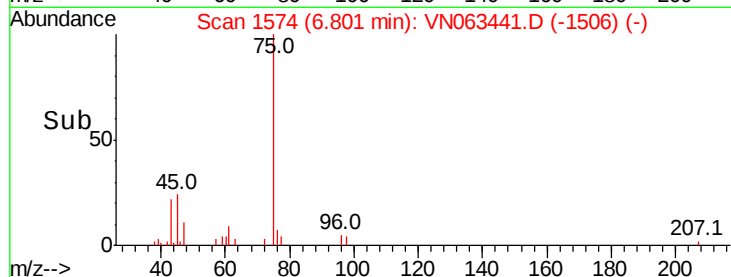
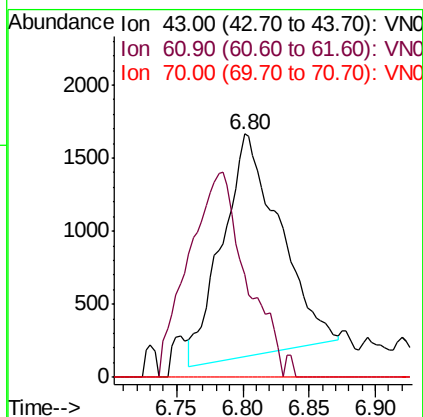
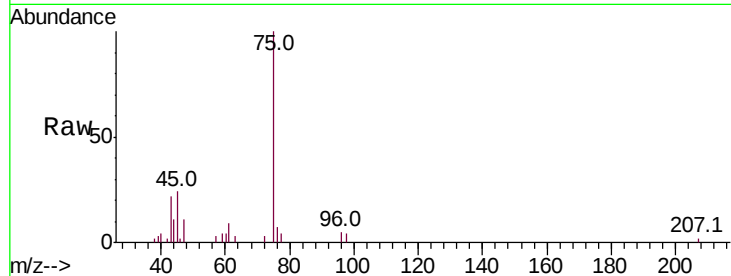




#37
Ethyl Acetate
Concen: 1.015 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. -0.08 min
Lab File: VN063441.D
Acq: 18 Sep 2020 00:46

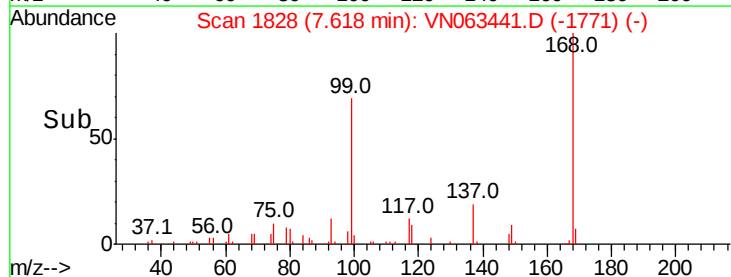
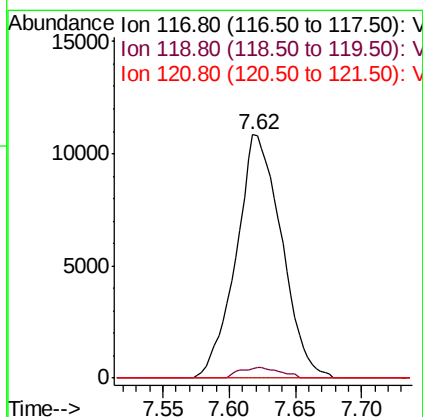
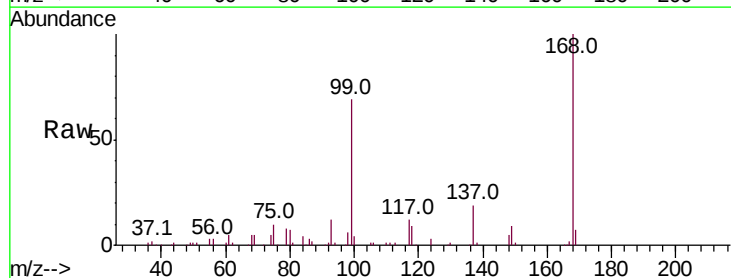
Instrument :
MSVOA_N
ClientSampleId :
B15-5-7

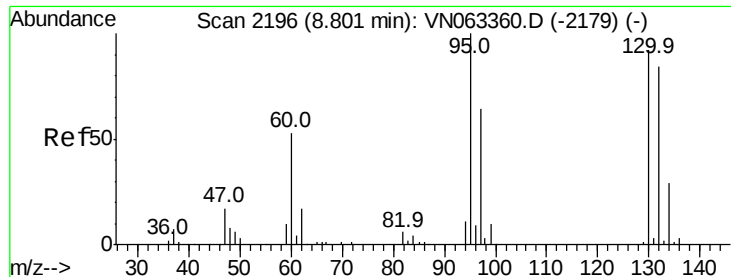
Tot Ion: 43 Resp: 4592
Ion Ratio Lower Upper
43 100
61 91.4 10.6 15.8#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 5.492 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. -0.12 min
Lab File: VN063441.D
Acq: 18 Sep 2020 00:46

Tgt Ion: 117 Resp: 25831
Ion Ratio Lower Upper
117 100
119 3.9 74.5 111.7#
121 0.0 24.1 36.1#





#44

Trichloroethene

Concen: 2.929 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN063441.D

Acq: 18 Sep 2020 00:46

Instrument :

MSVOA_N

ClientSampled :

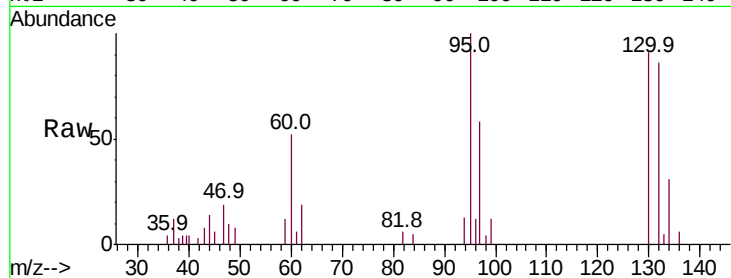
B15-5-7

Tot Ion:130 Resp: 9344

Ion Ratio Lower Upper

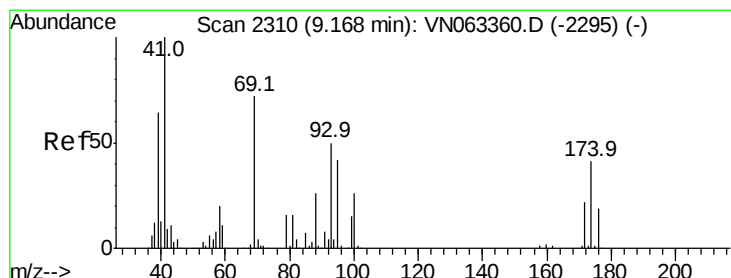
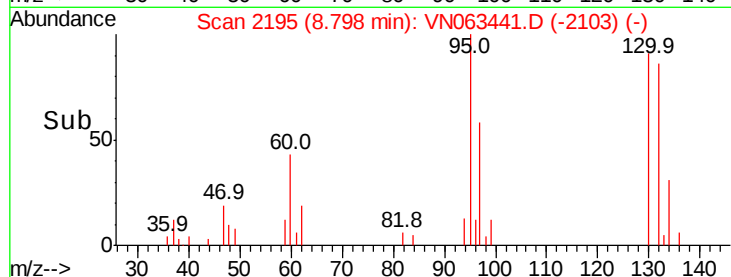
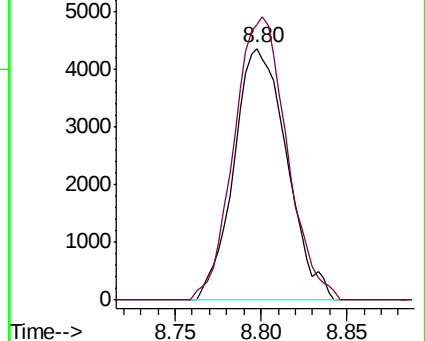
130 100

95 109.7 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#49

1,4-Dioxane

Concen: 1.105 ug/l

RT: 9.19 min Scan# 2317

Delta R.T. 0.02 min

Lab File: VN063441.D

Acq: 18 Sep 2020 00:46

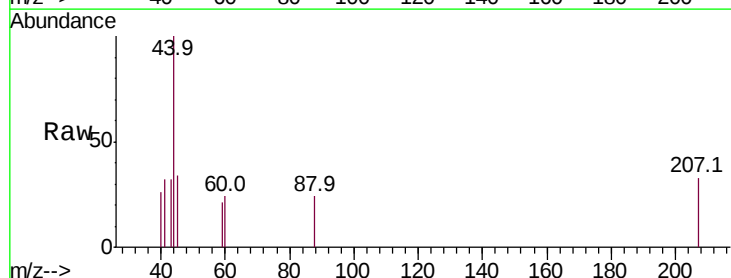
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 233.3 32.6 49.0#

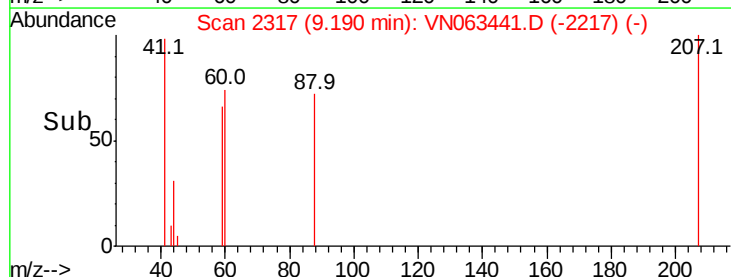
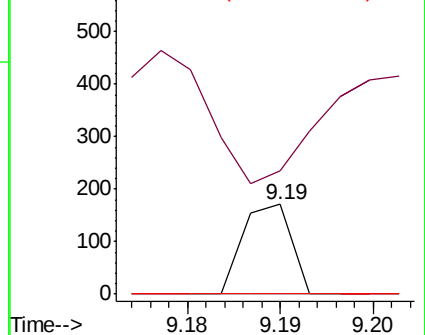
58 0.0 60.0 90.0#

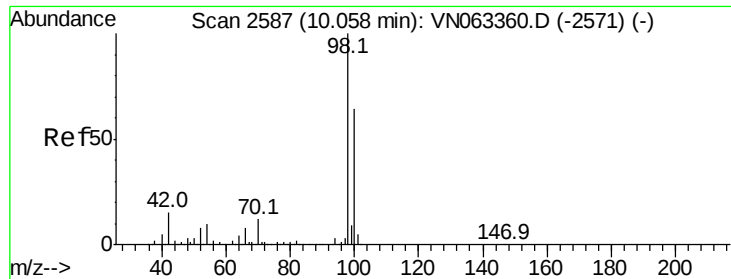


Abundance Ion 88.00 (87.70 to 88.70): VN

Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#50

Toluene-d8

Concen: 49.281 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063441.D

Acq: 18 Sep 2020 00:46

Instrument :

MSVOA_N

ClientSampled :

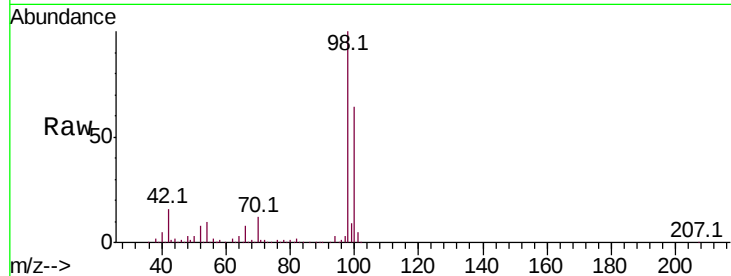
B15-5-7

Tot Ion: 98 Resp: 554837

Ion Ratio Lower Upper

98 100

100 63.7 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) (-)

10.06

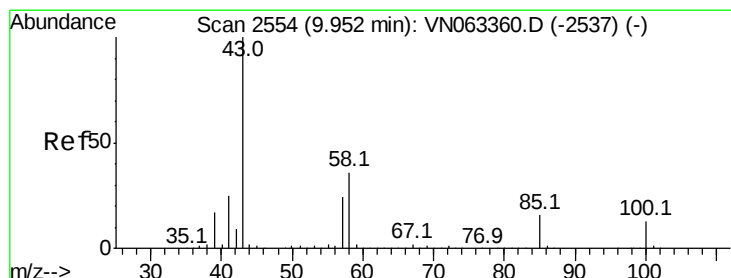
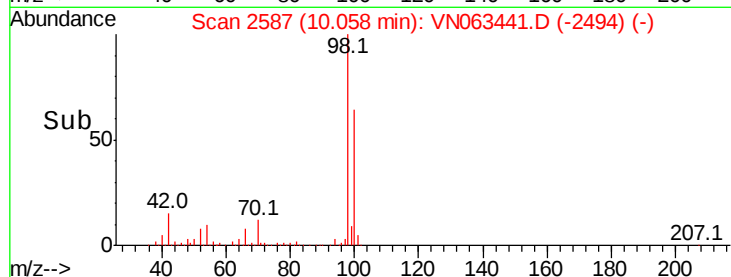
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.242 ug/l

RT: 9.96 min Scan# 2558

Delta R.T. 0.01 min

Lab File: VN063441.D

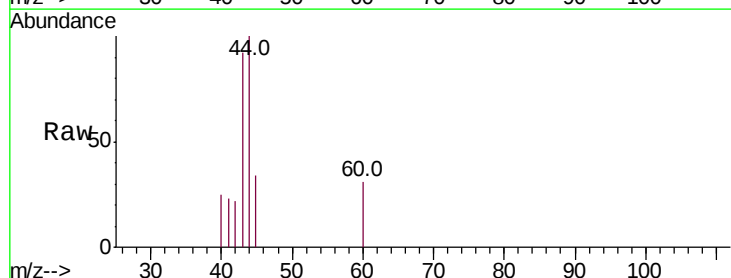
Acq: 18 Sep 2020 00:46

Tgt Ion: 43 Resp: 1096

Ion Ratio Lower Upper

43 100

58 0.0 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-2537) (-)

9.96

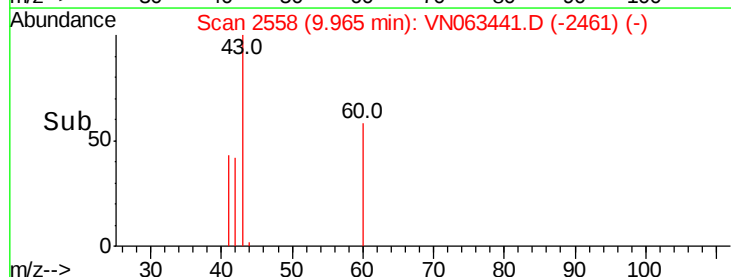
600

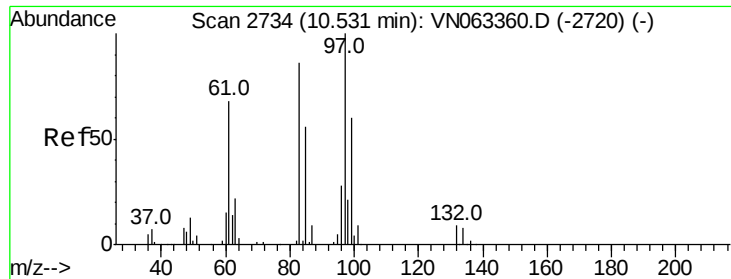
400

200

0

Time-->

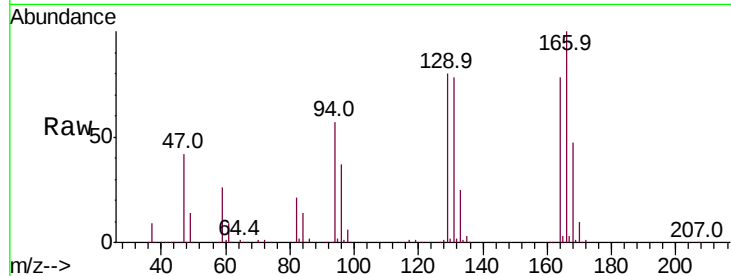




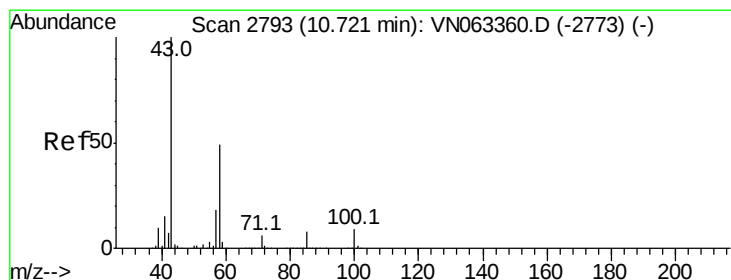
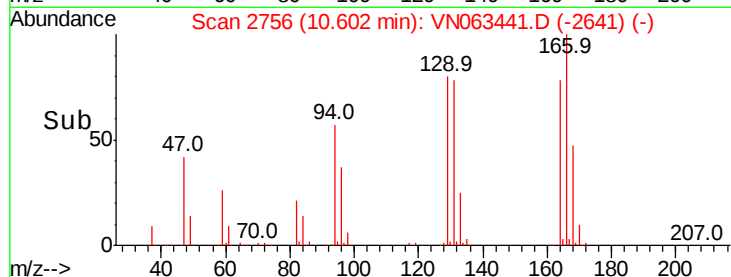
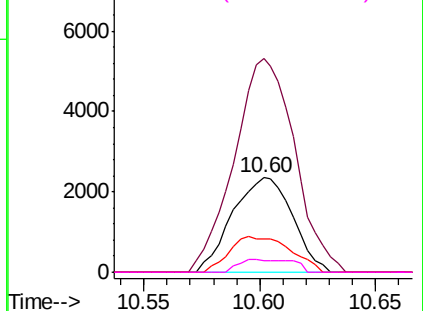
#55
 1,1,2-Trichloroethane
 Concen: 1.345 ug/l
 RT: 10.60 min Scan# 2756
 Delta R.T. 0.07 min
 Lab File: VN063441.D
 Acq: 18 Sep 2020 00:46

Instrument :
 MSVOA_N
 ClientSampled :
 B15-5-7

Tot Ion: 97 Resp: 4225
 Ion Ratio Lower Upper
 97 100
 83 226.2 68.9 103.3#
 85 35.6 44.8 67.2#
 99 11.8 47.8 71.8#

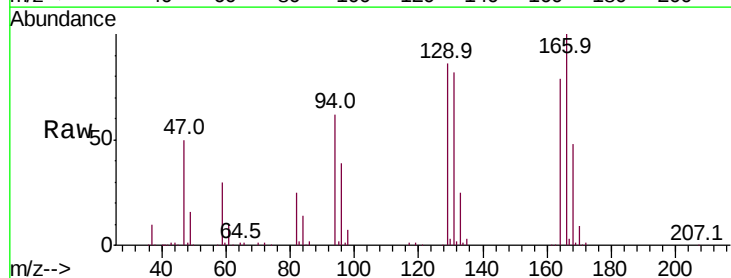


Abundance Ion 96.90 (96.60 to 97.60): VNC
 Ion 82.90 (82.60 to 83.60): VNC
 Ion 84.90 (84.60 to 85.60): VNC
 Ion 98.90 (98.60 to 99.60): VNC

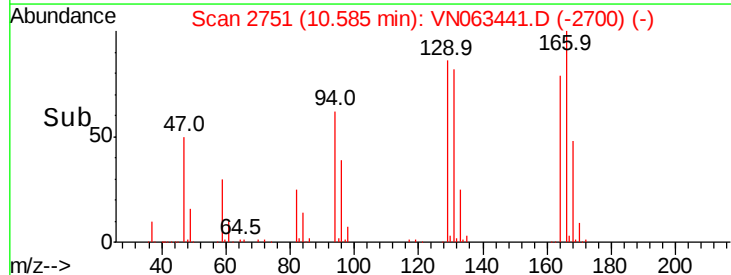
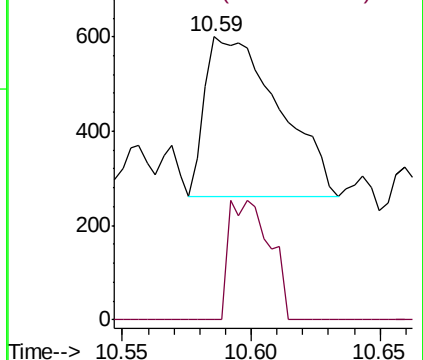


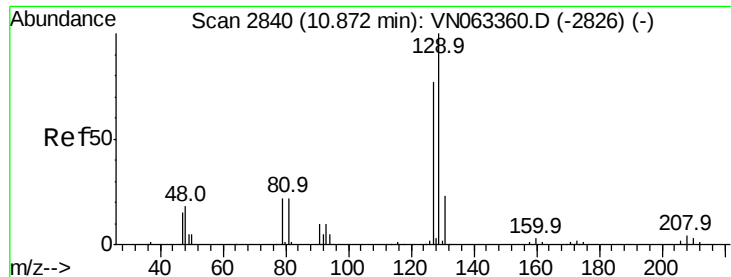
#59
 2-Hexanone
 Concen: 0.207 ug/l
 RT: 10.59 min Scan# 2751
 Delta R.T. -0.14 min
 Lab File: VN063441.D
 Acq: 18 Sep 2020 00:46

Tgt Ion: 43 Resp: 679
 Ion Ratio Lower Upper
 43 100
 58 41.1 24.7 74.1



Abundance Ion 43.00 (42.70 to 43.70): VNC
 Ion 58.00 (57.70 to 58.70): VNC





#60

Dibromochloromethane

Concen: 110.298 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN063441.D

Acq: 18 Sep 2020 00:46

Instrument :

MSVOA_N

ClientSampled :

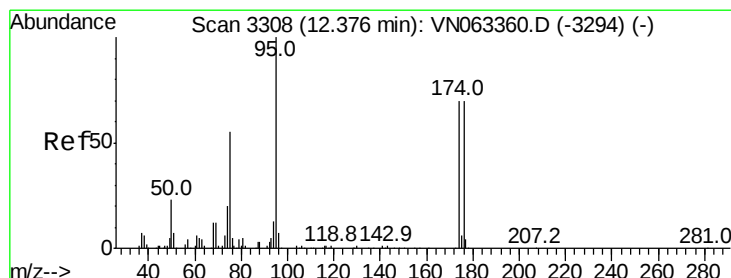
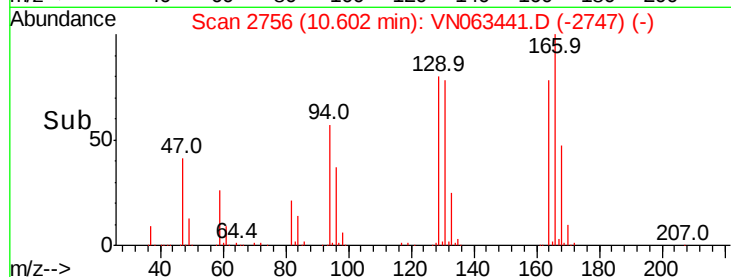
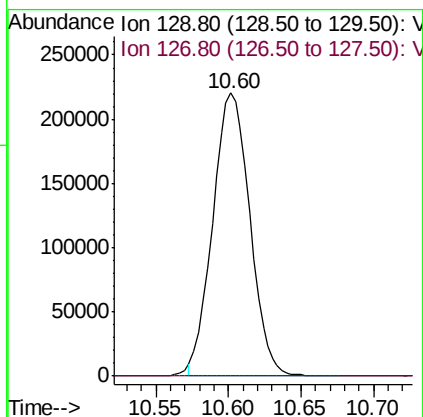
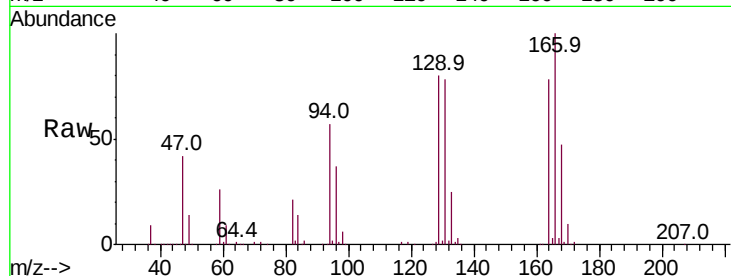
B15-5-7

Tot Ion:129 Resp: 391424

Ion Ratio Lower Upper

129 100

127 0.1 39.1 117.3#



#62

4-Bromofluorobenzene

Concen: 51.968 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063441.D

Acq: 18 Sep 2020 00:46

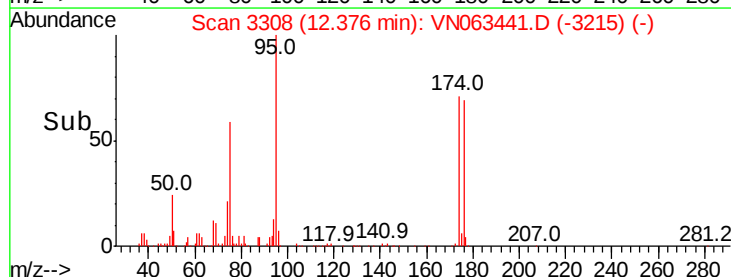
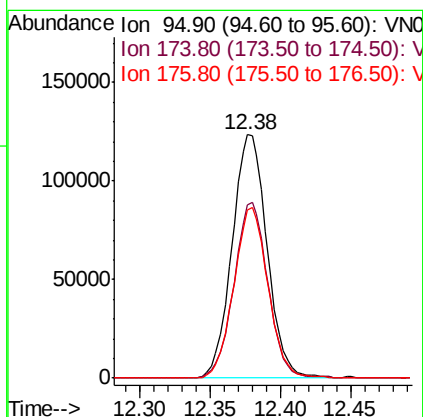
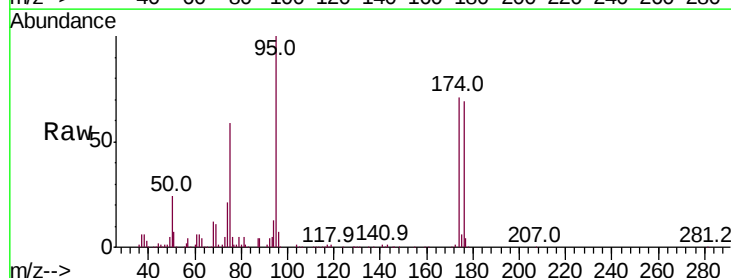
Tgt Ion: 95 Resp: 214486

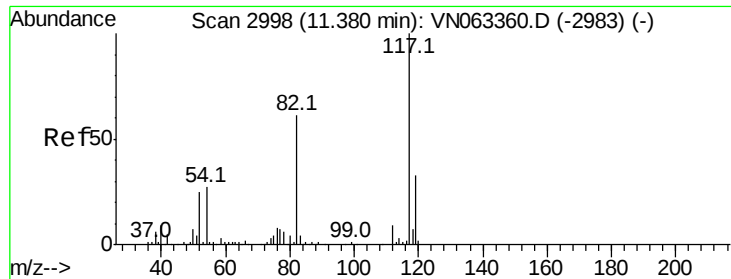
Ion Ratio Lower Upper

95 100

174 70.4 0.0 140.8

176 68.8 0.0 137.6

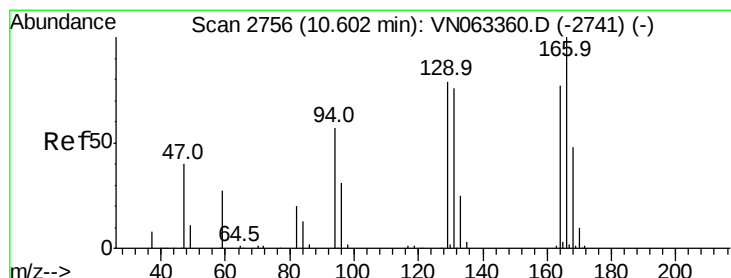
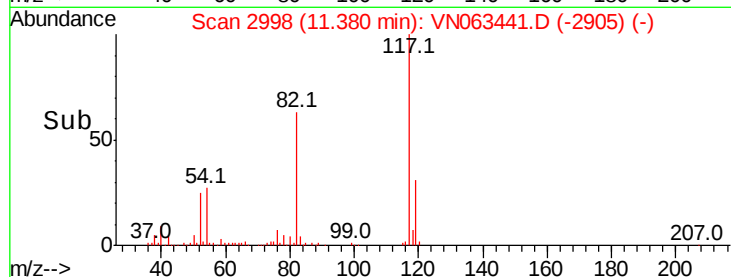
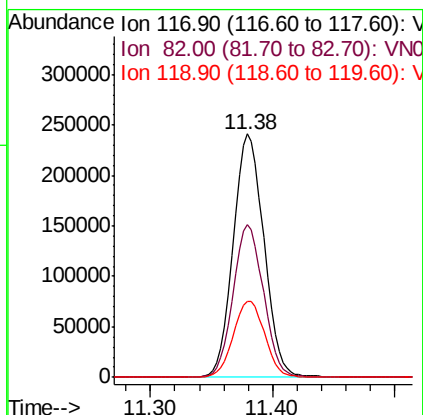
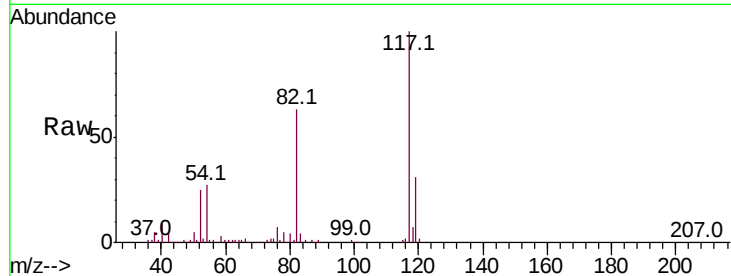




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063441.D
Acq: 18 Sep 2020 00:46

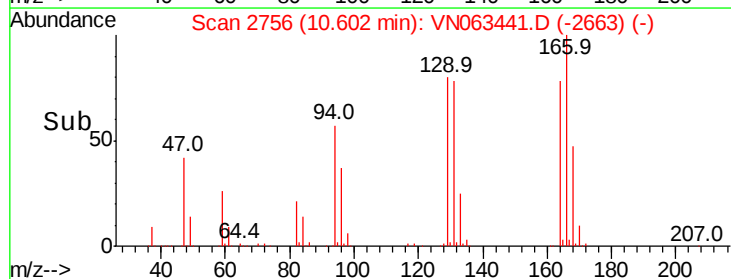
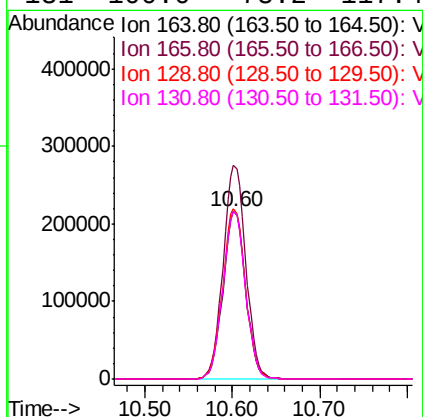
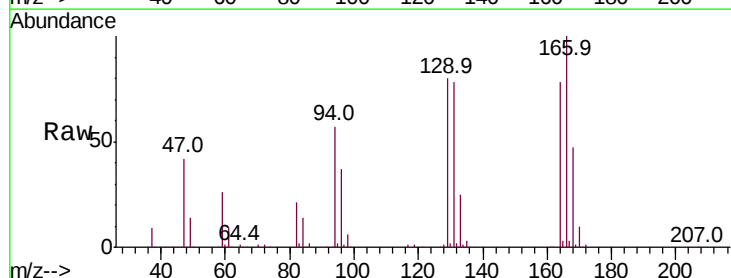
Instrument :
MSVOA_N
ClientSampleId :
B15-5-7

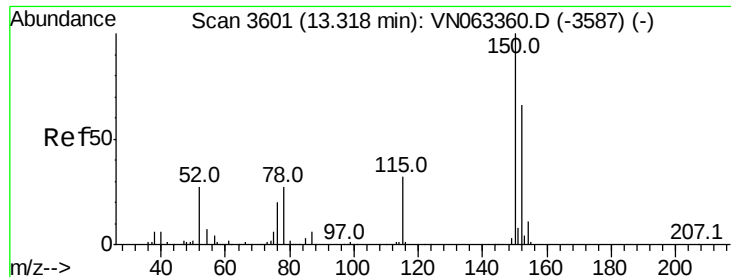
Tot Ion:117 Resp: 421914
Ion Ratio Lower Upper
117 100
82 62.9 49.2 73.8
119 31.4 26.2 39.4



#64
Tetrachloroethene
Concen: 134.775 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063441.D
Acq: 18 Sep 2020 00:46

Tgt Ion:164 Resp: 387198
Ion Ratio Lower Upper
164 100
166 127.7 103.4 155.0
129 102.1 81.8 122.6
131 100.0 78.2 117.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063441.D

Acq: 18 Sep 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

B15-5-7

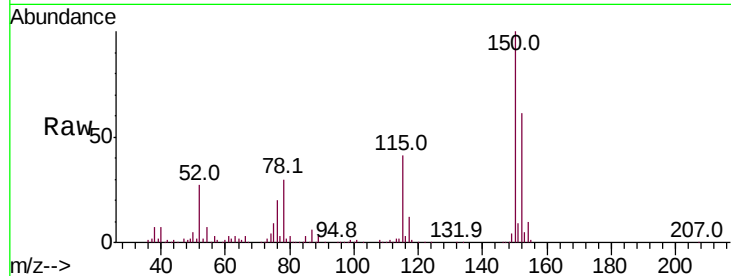
Tot Ion:152 Resp: 187995

Ion Ratio Lower Upper

152 100

115 64.9 32.2 96.6

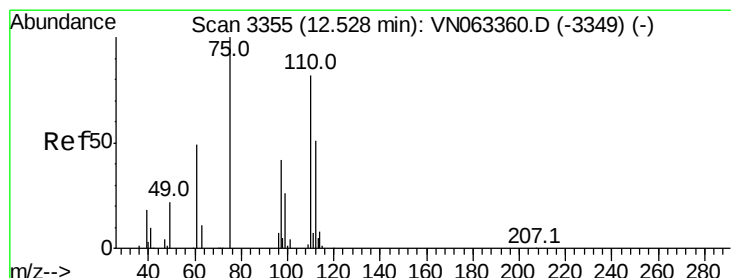
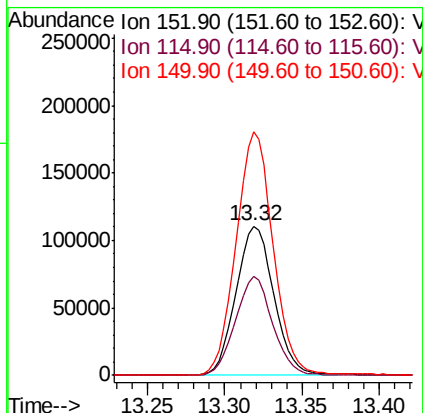
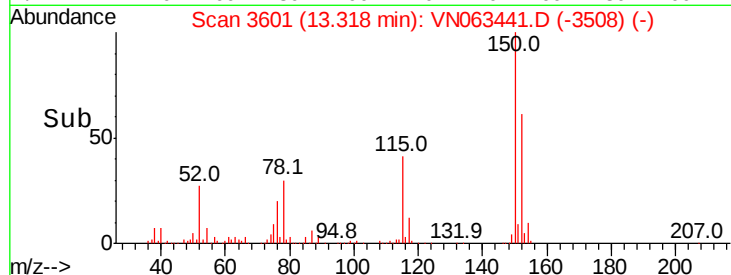
150 161.0 0.0 343.4



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: 26.430 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063441.D

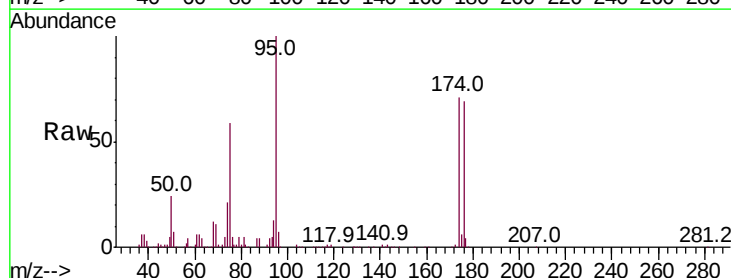
Acq: 18 Sep 2020 00:46

Tgt Ion: 75 Resp: 122982

Ion Ratio Lower Upper

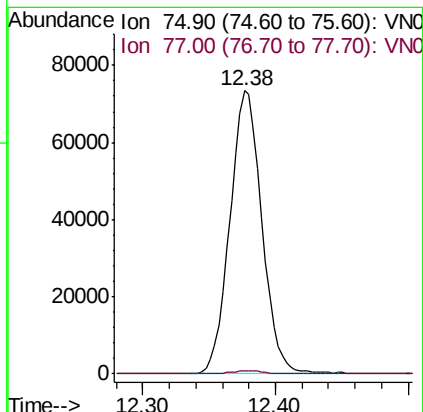
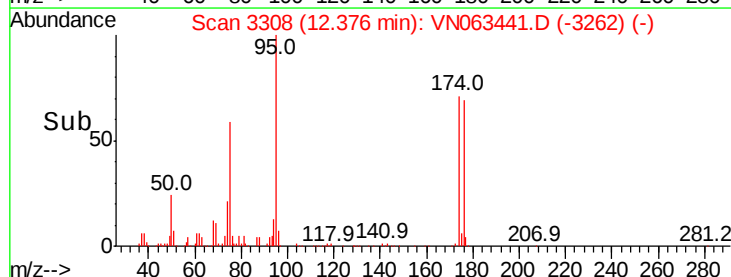
75 100

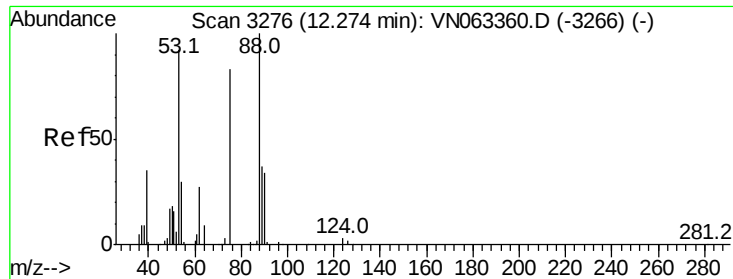
77 1.1 0.0 0.0#



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: 72.461 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063441.D

Acq: 18 Sep 2020 00:46

Instrument :

MSVOA_N

ClientSampleId :

B15-5-7

Tot Ion: 75 Resp: 122982

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

