

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060320\
 Data File : VN061638.D
 Acq On : 3 Jun 2020 15:09
 Operator : JC/MD
 Sample : L2837-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-1

Quant Time: Jun 04 07:47:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	281454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	487226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	477097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	213945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	163292	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	7.55	113	122953	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	10.06	98	588880	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.38	95	215298	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	

Target Compounds

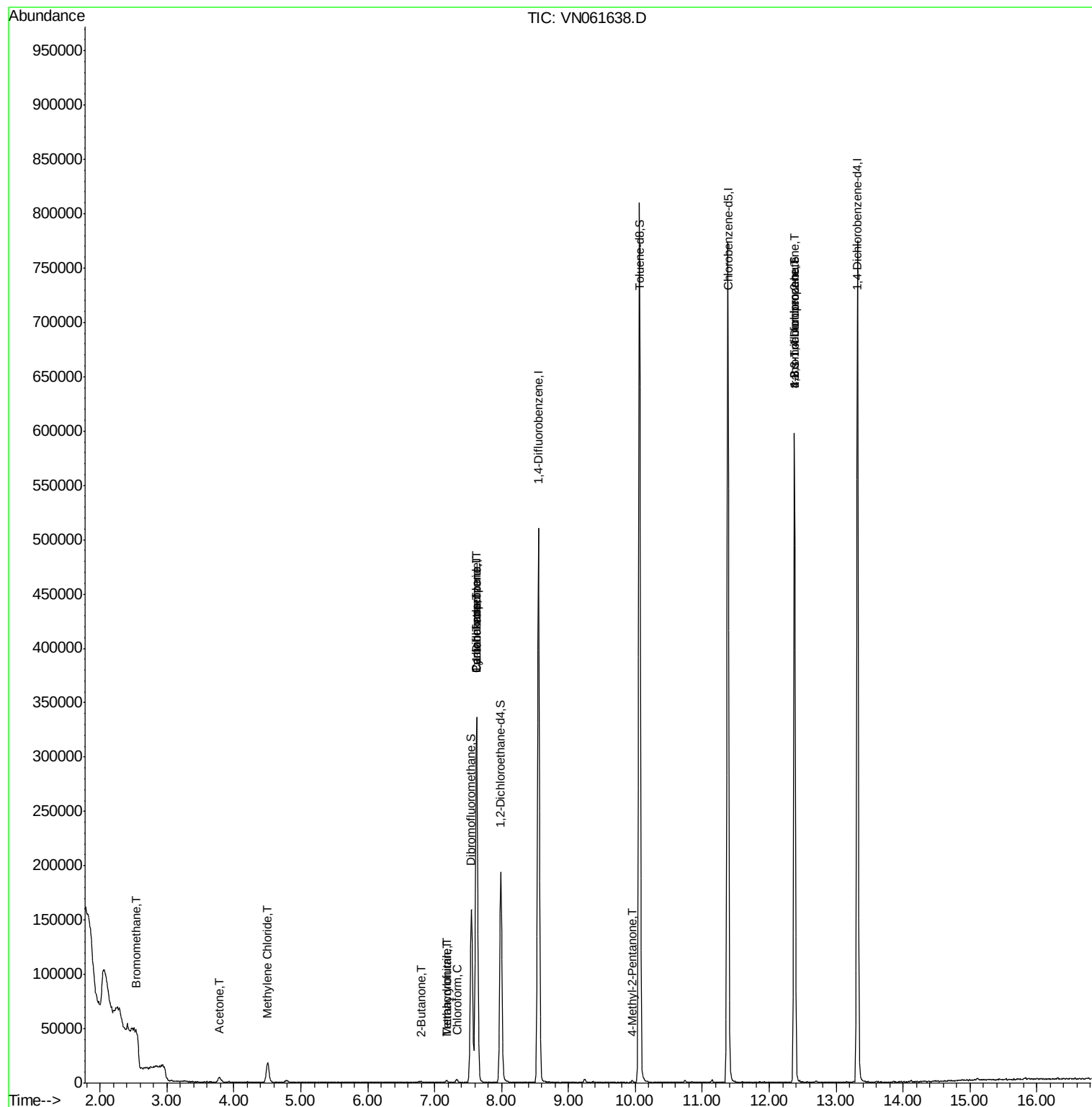
					Qvalue	
5) Bromomethane	2.55	94	766	0.284	ug/l #	69
16) Acetone	3.79	43	8642	3.230	ug/l	98
20) Methylene Chloride	4.51	84	14802	3.229	ug/l	97
25) 2-Butanone	6.80	43	1419	0.893	ug/l #	42
29) Tetrahydrofuran	7.18	42	1380	1.317	ug/l #	27
30) Chloroform	7.34	83	2802	0.482	ug/l	93
31) Cyclohexane	7.62	56	5126	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	20310	4.709	ug/l #	48
38) Carbon Tetrachloride	7.63	117	28290	6.800	ug/l #	16
41) Methacrylonitrile	7.18	41	668	0.420	ug/l #	10
51) 4-Methyl-2-Pentanone	9.96	43	1290	0.366	ug/l	88
76) 1,2,3-Trichloropropane	12.38	75	104742	26.924	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	104742	68.851	ug/l #	15

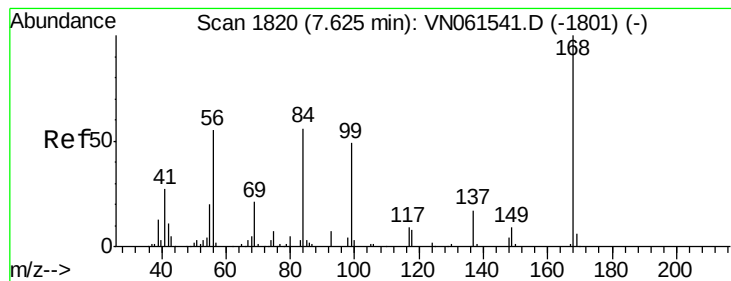
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060320\
Data File : VN061638.D
Acq On : 3 Jun 2020 15:09
Operator : JC/MD
Sample : L2837-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SP-1

Quant Time: Jun 04 07:47:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061638.D

Acq: 3 Jun 2020 15:09

Instrument :

MSVOA_N

ClientSampled :

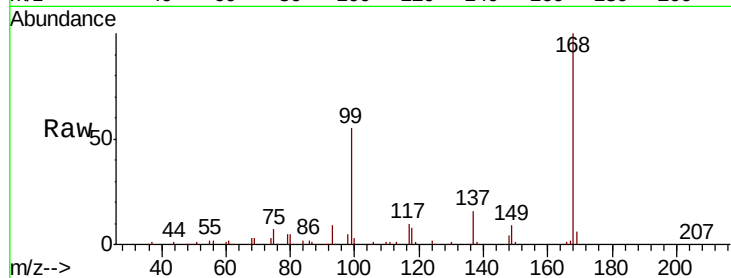
SP-1

Tot Ion:168 Resp: 281454

Ion Ratio Lower Upper

168 100

99 54.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

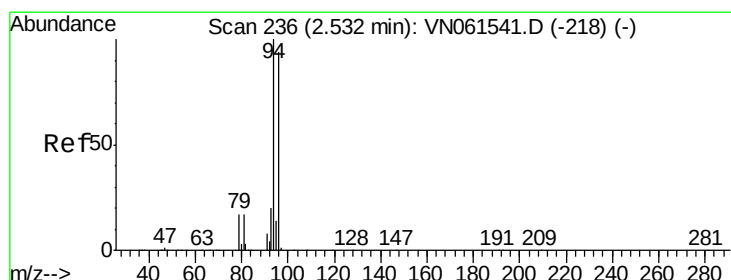
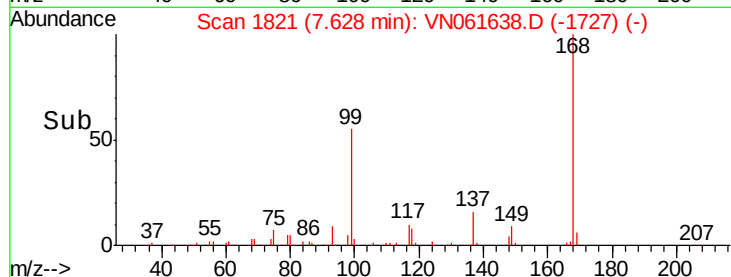
7.63

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.284 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.02 min

Lab File: VN061638.D

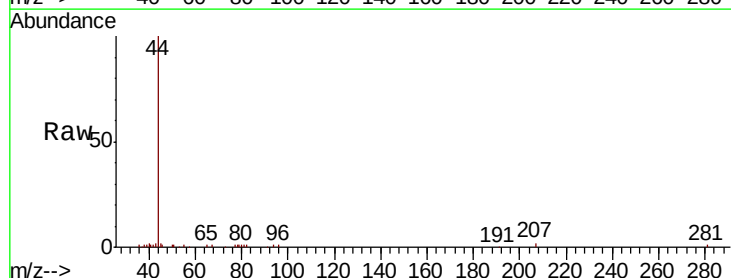
Acq: 3 Jun 2020 15:09

Tgt Ion: 94 Resp: 766

Ion Ratio Lower Upper

94 100

96 63.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

400

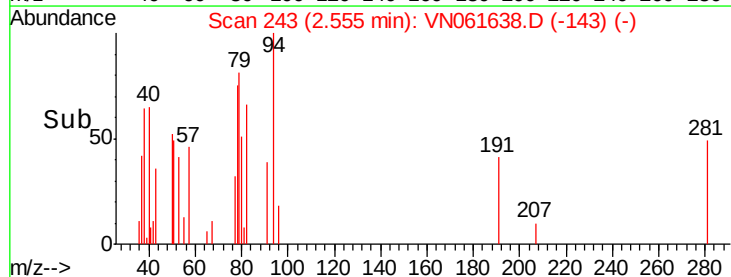
300

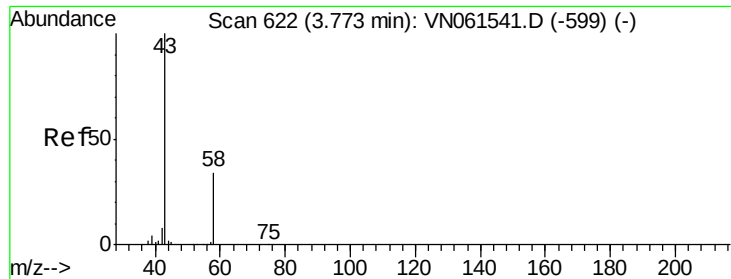
200

100

0

Time-->





#16

Acetone

Concen: 3.230 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN061638.D

Acq: 3 Jun 2020 15:09

Instrument :

MSVOA_N

ClientSampled :

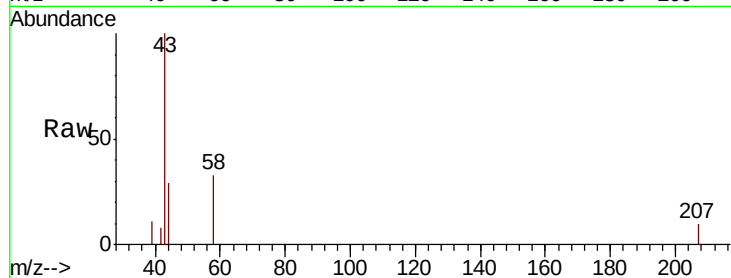
SP-1

Tot Ion: 43 Resp: 8642

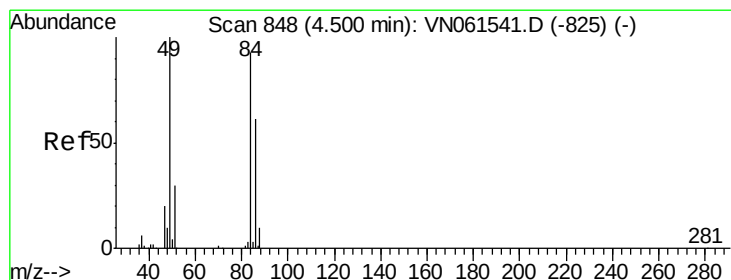
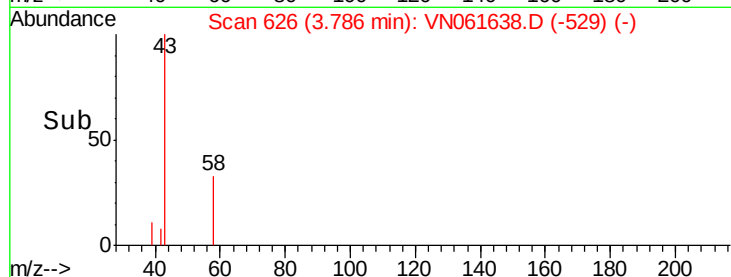
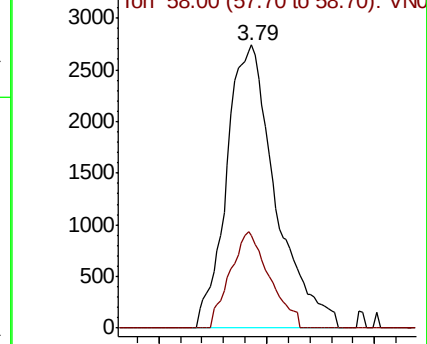
Ion Ratio Lower Upper

43 100

58 32.7 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN061638.D (-529) (-)



#20

Methylene Chloride

Concen: 3.229 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.01 min

Lab File: VN061638.D

Acq: 3 Jun 2020 15:09

Tgt Ion: 84 Resp: 14802

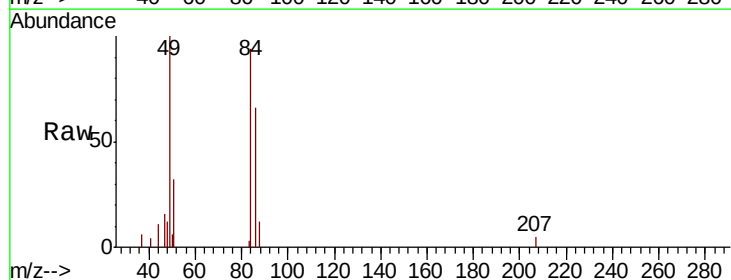
Ion Ratio Lower Upper

84 100

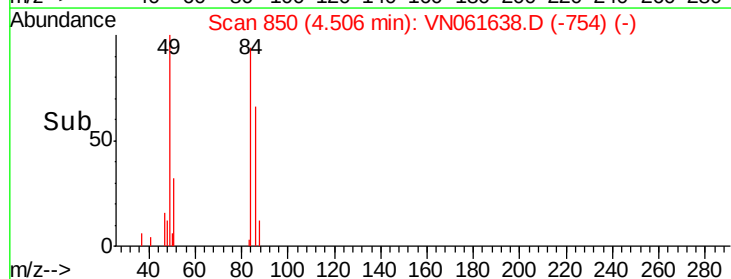
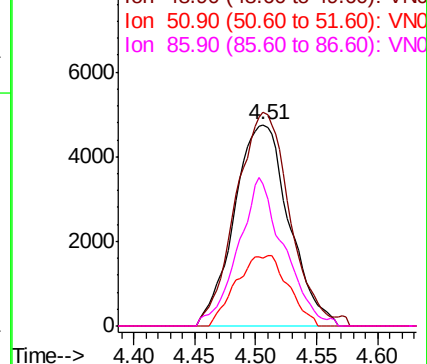
49 106.2 85.8 128.8

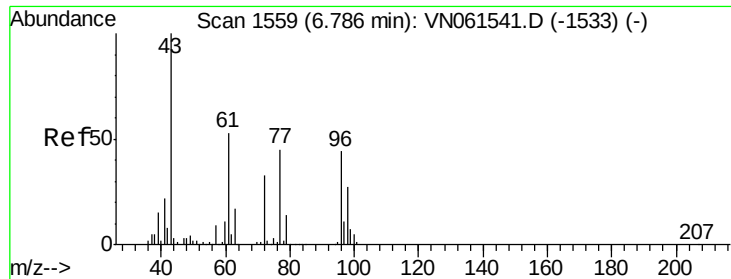
51 34.1 26.2 39.2

86 70.6 52.6 78.8



Abundance Ion 83.90 (83.60 to 84.60): VN061638.D (-754) (-)

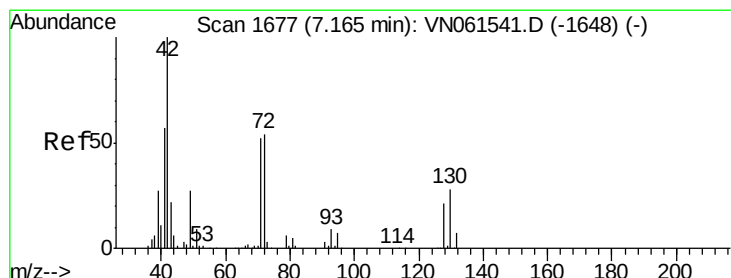
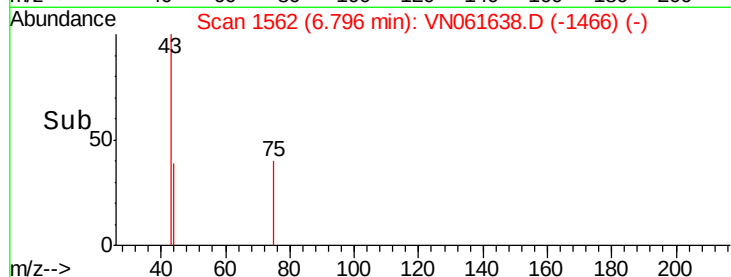
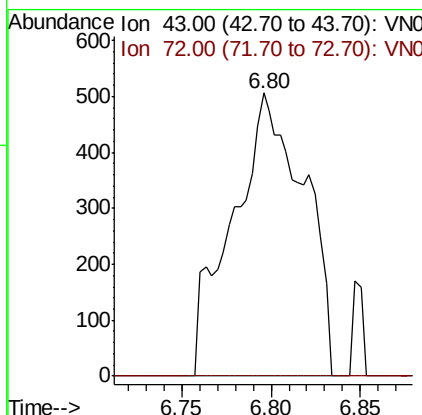
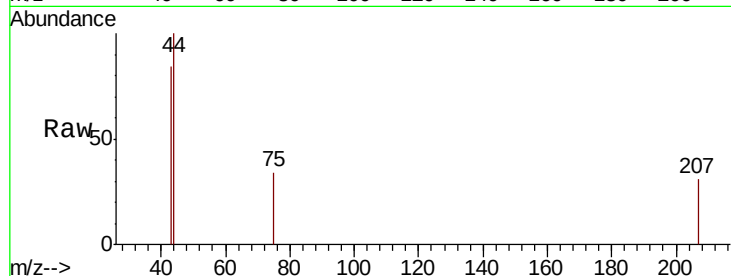




#25
2-Butanone
Concen: 0.893 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN061638.D
Acq: 3 Jun 2020 15:09

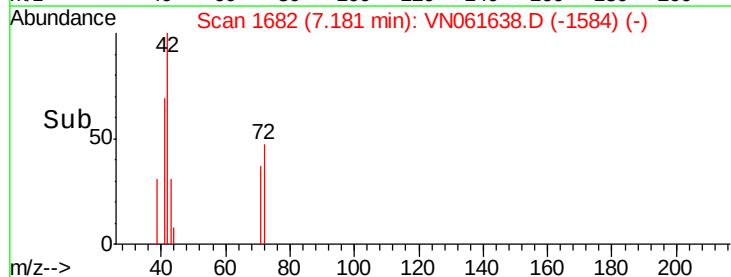
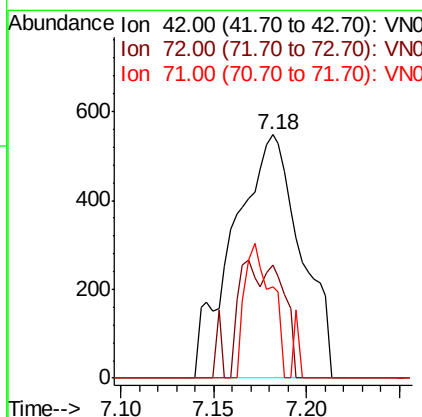
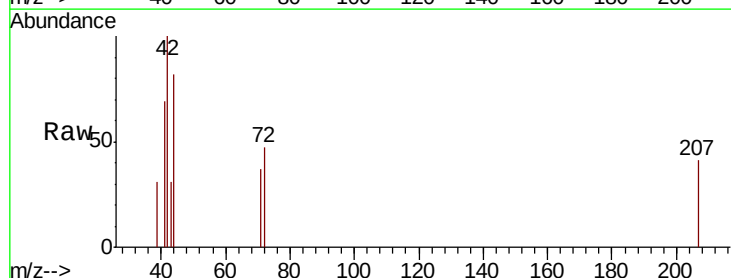
Instrument :
MSVOA_N
ClientSampled :
SP-1

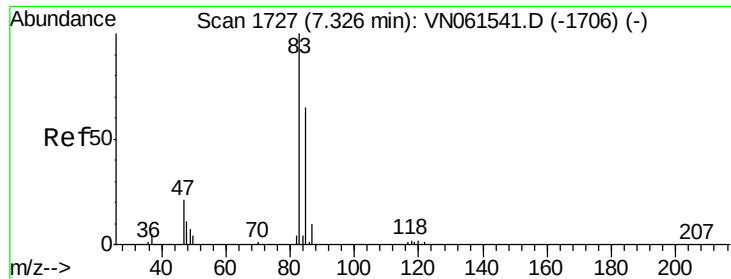
Tot Ion: 43 Resp: 1419
Ion Ratio Lower Upper
43 100
72 0.0 26.0 39.0#



#29
Tetrahydrofuran
Concen: 1.317 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.02 min
Lab File: VN061638.D
Acq: 3 Jun 2020 15:09

Tgt Ion: 42 Resp: 1380
Ion Ratio Lower Upper
42 100
72 0.0 43.6 65.4#
71 2.2 41.2 61.8#

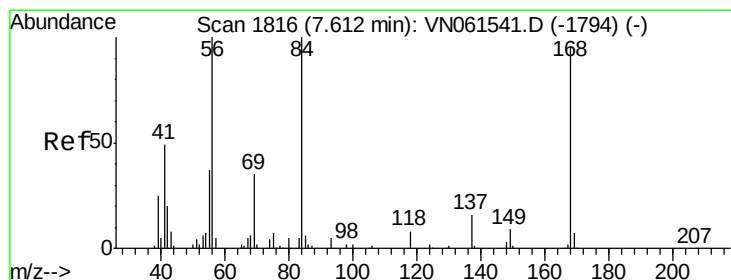
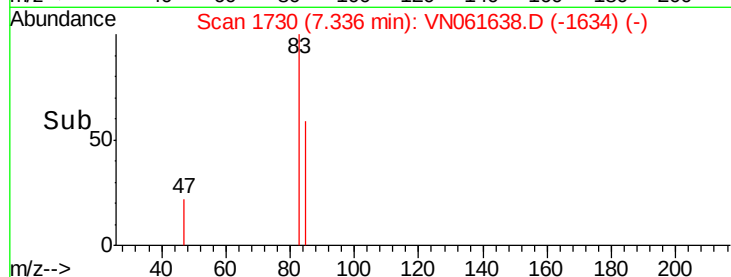
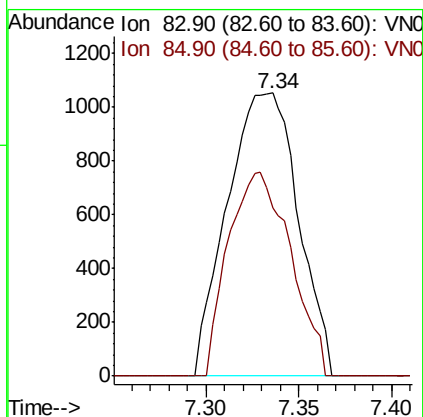
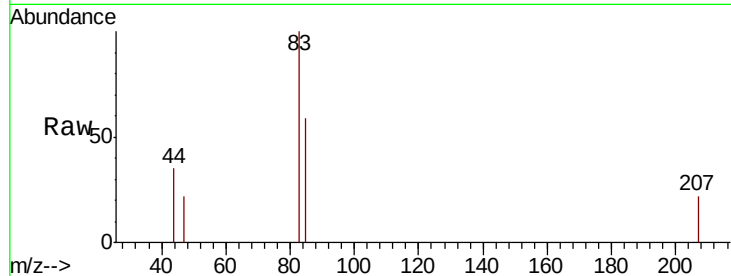




#30
Chloroform
Concen: 0.482 ug/l
RT: 7.34 min Scan# 1730
Delta R.T. 0.01 min
Lab File: VN061638.D
Acq: 3 Jun 2020 15:09

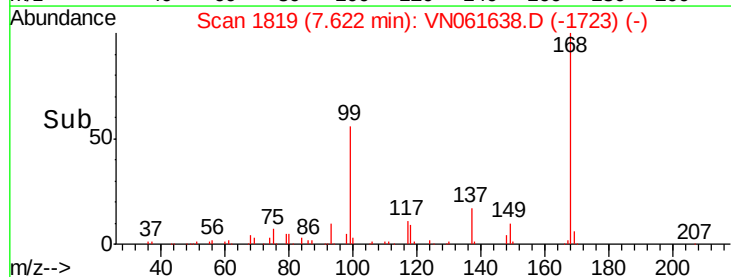
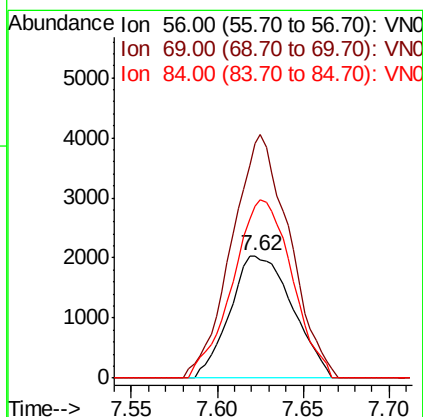
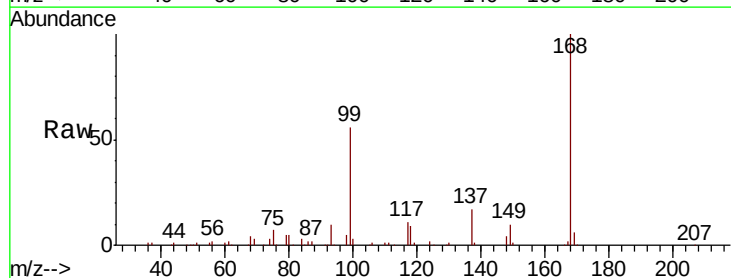
Instrument :
MSVOA_N
ClientSampled :
SP-1

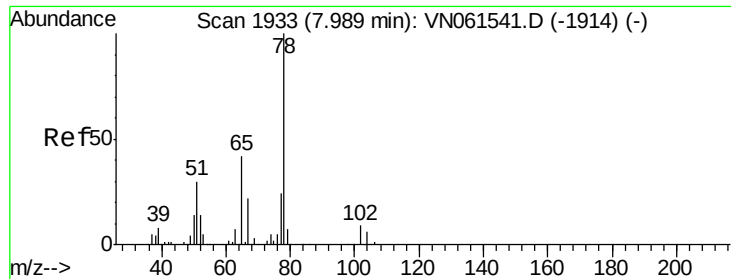
Tot Ion: 83 Resp: 2802
Ion Ratio Lower Upper
83 100
85 59.3 51.7 77.5



#31
Cyclohexane
Concen: 1.085 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061638.D
Acq: 3 Jun 2020 15:09

Tgt Ion: 56 Resp: 5126
Ion Ratio Lower Upper
56 100
69 192.5 27.8 41.8#
84 151.1 79.9 119.9#

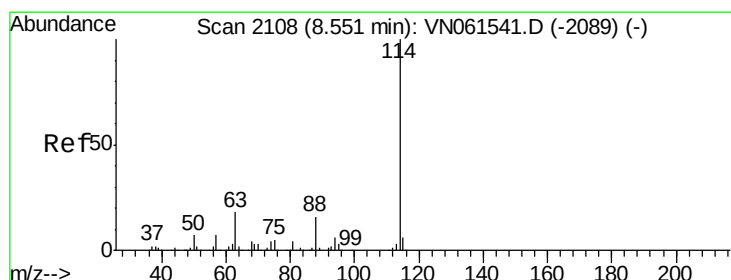
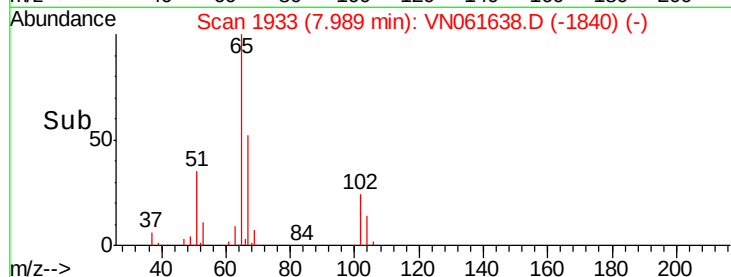
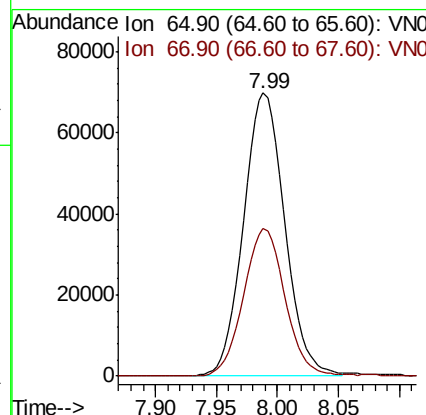
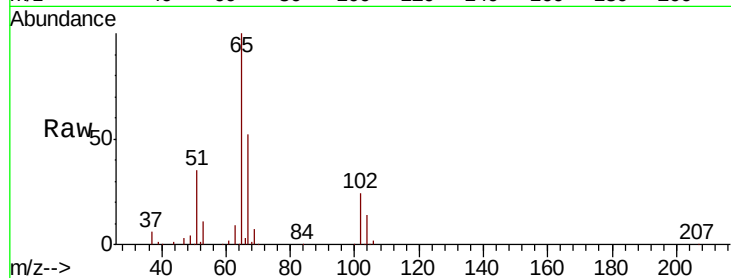




#33
 1,2-Dichloroethane-d4
 Concen: 48.695 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061638.D
 Acq: 3 Jun 2020 15:09

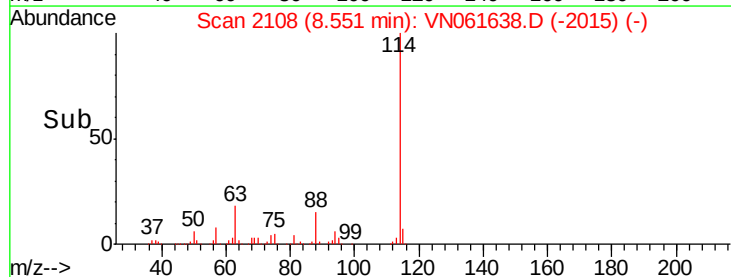
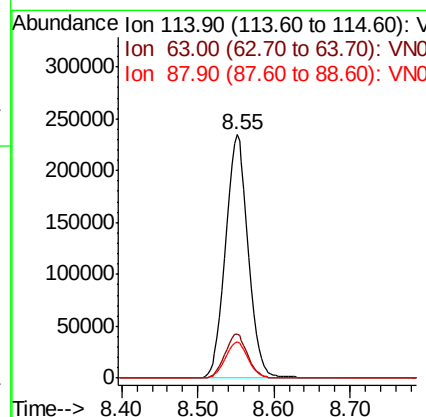
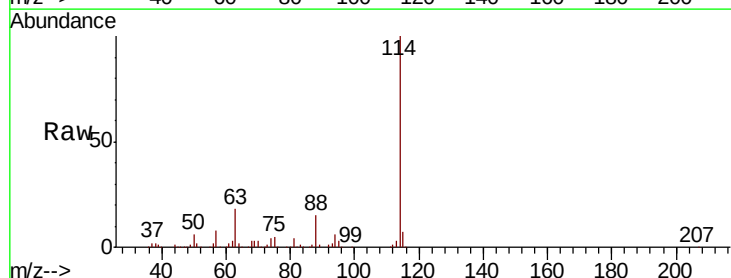
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-1

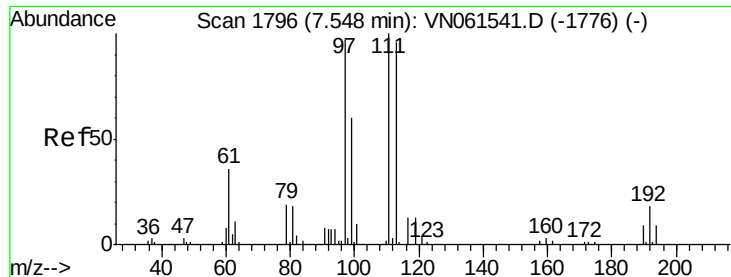
Tot Ion: 65 Resp: 163292
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061638.D
 Acq: 3 Jun 2020 15:09

Tgt Ion: 114 Resp: 487226
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.8
 88 15.0 0.0 31.0

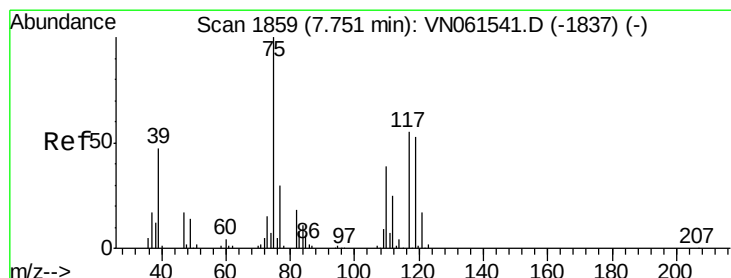
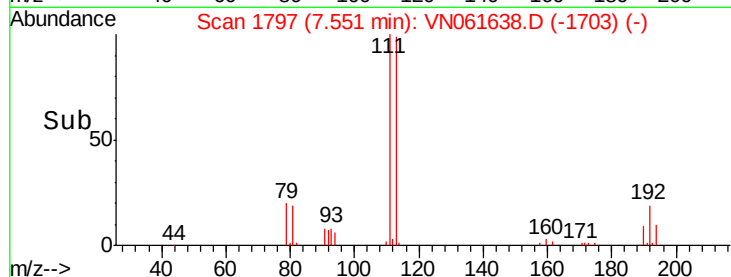
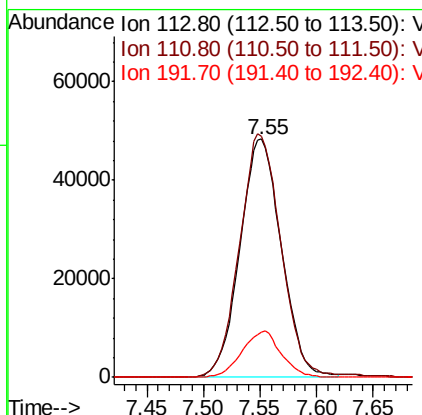
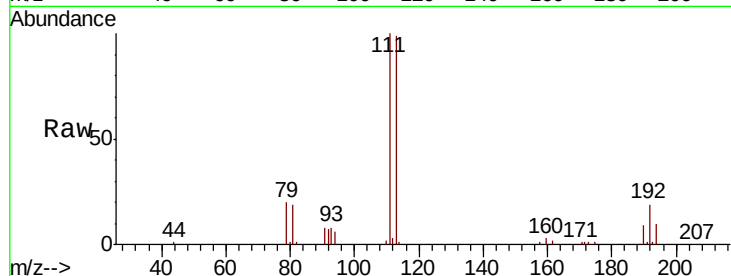




#35
 Dibromofluoromethane
 Concen: 49.746 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061638.D
 Acq: 3 Jun 2020 15:09

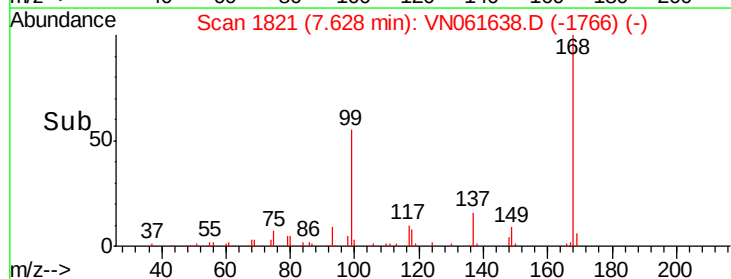
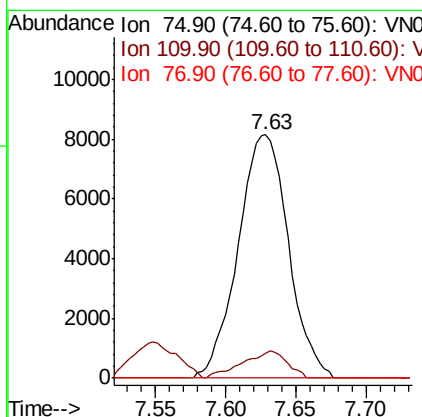
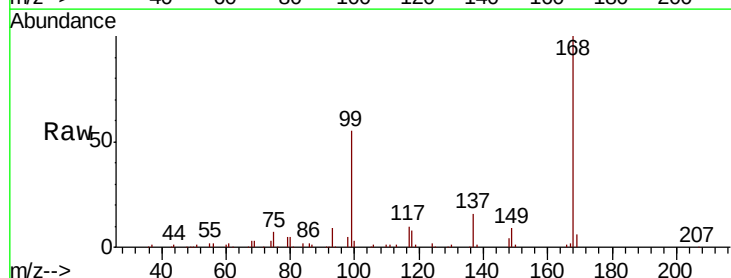
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-1

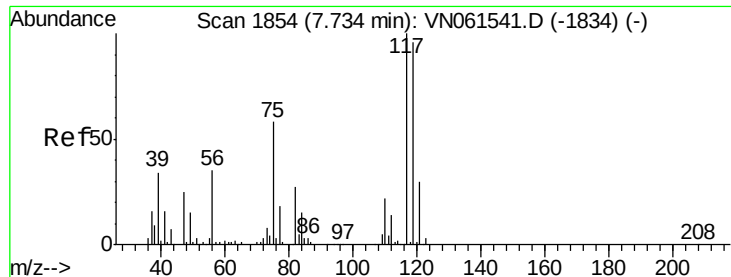
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.4	125.0
192	18.5	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 4.709 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN061638.D
 Acq: 3 Jun 2020 15:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.5	58.5#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.800 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061638.D

Acq: 3 Jun 2020 15:09

Instrument :

MSVOA_N

ClientSampled :

SP-1

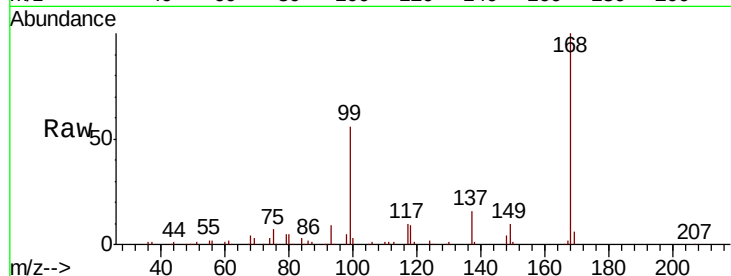
Tot Ion:117 Resp: 28290

Ion Ratio Lower Upper

117 100

119 5.5 76.5 114.7#

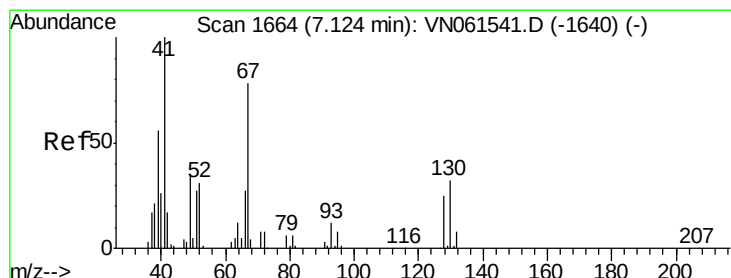
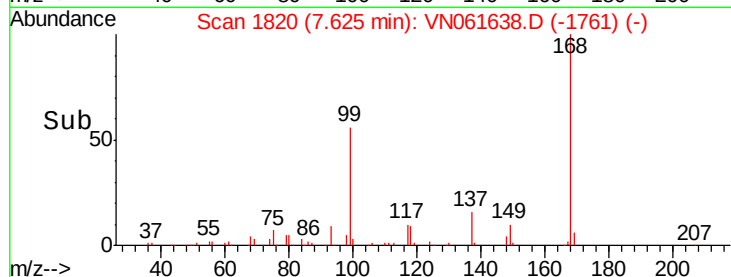
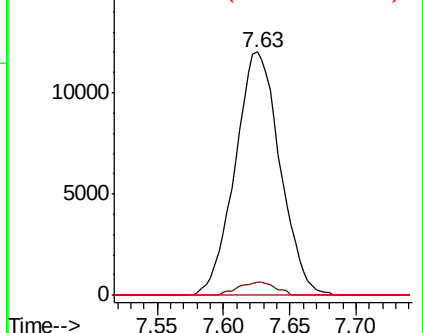
121 0.0 24.1 36.1#



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



#41

Methacrylonitrile

Concen: 0.420 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.05 min

Lab File: VN061638.D

Acq: 3 Jun 2020 15:09

Tgt Ion: 41 Resp: 668

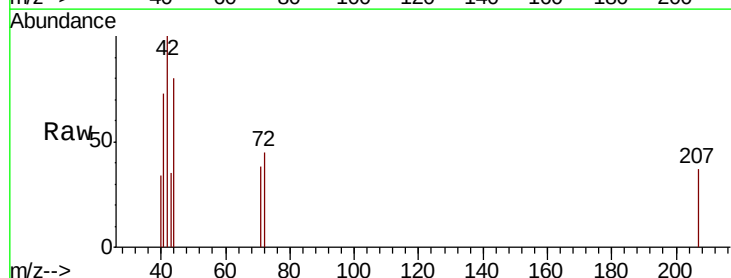
Ion Ratio Lower Upper

41 100

39 4.8 53.8 80.6#

67 0.0 91.1 136.7#

52 0.0 36.0 54.0#

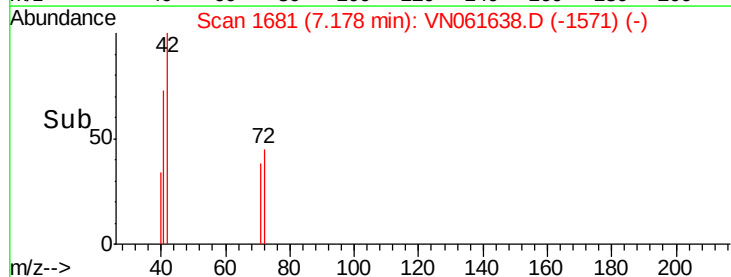
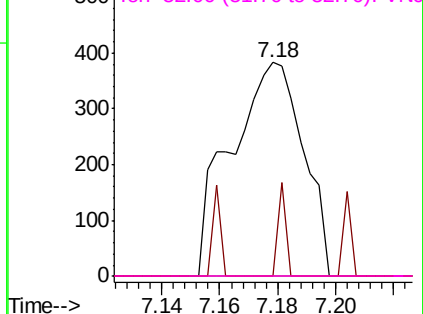


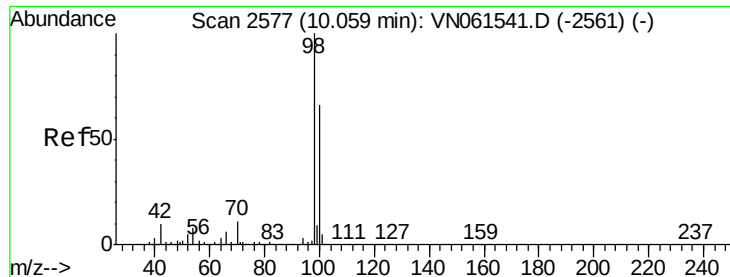
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#50

Toluene-d8

Concen: 51.414 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN061638.D

Acq: 3 Jun 2020 15:09

Instrument :

MSVOA_N

ClientSampled :

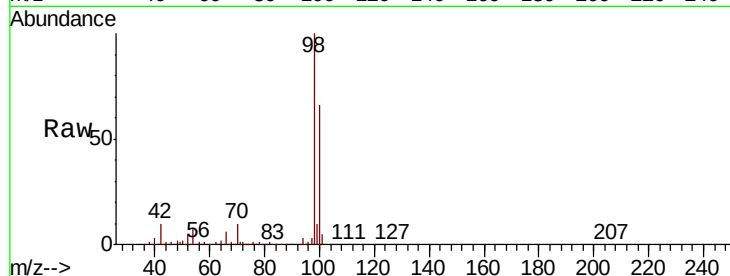
SP-1

Tot Ion: 98 Resp: 588880

Ion Ratio Lower Upper

98 100

100 64.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061541.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061541.D (-2561) (-)

10.06

300000

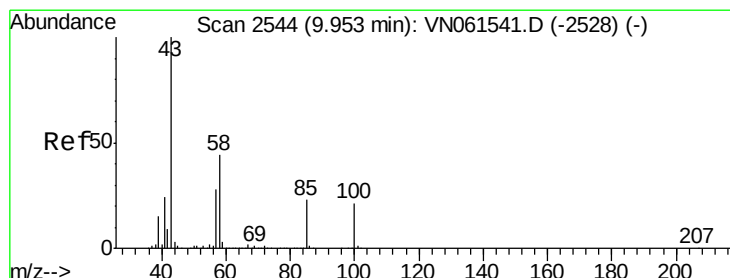
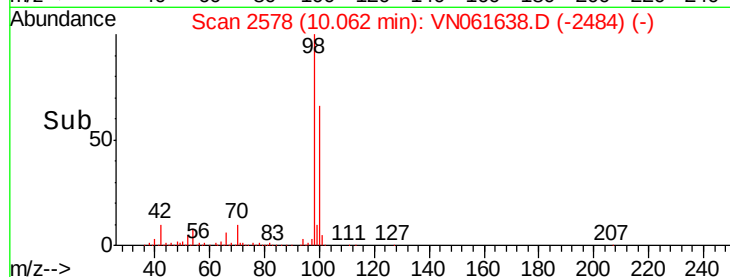
200000

100000

0

Time-->

10.00 10.10 10.20



#51

4-Methyl-2-Pentanone

Concen: 0.366 ug/l

RT: 9.96 min Scan# 2546

Delta R.T. 0.01 min

Lab File: VN061638.D

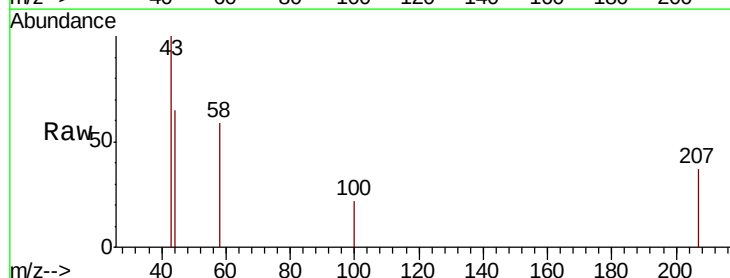
Acq: 3 Jun 2020 15:09

Tgt Ion: 43 Resp: 1290

Ion Ratio Lower Upper

43 100

58 36.4 35.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-2528) (-)

9.96

800

600

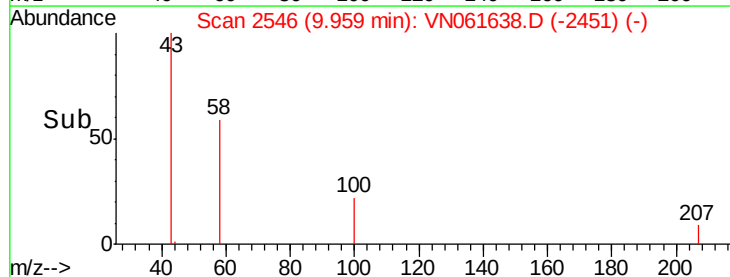
400

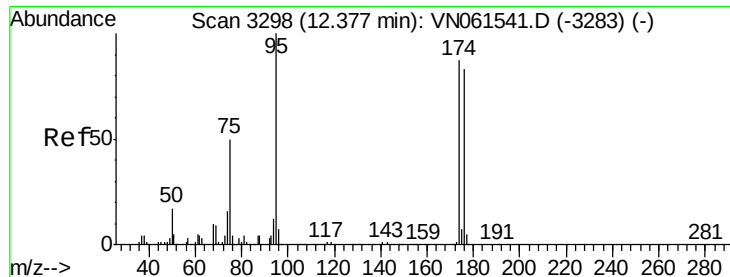
200

0

Time-->

9.90 9.95 10.00

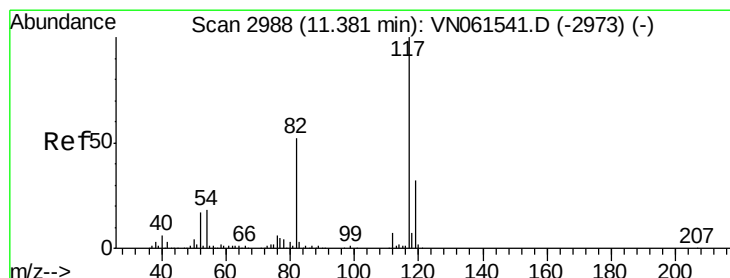
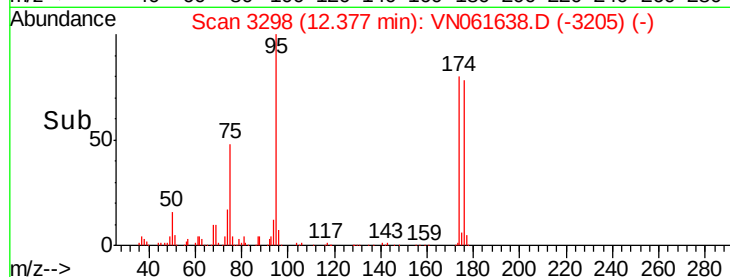
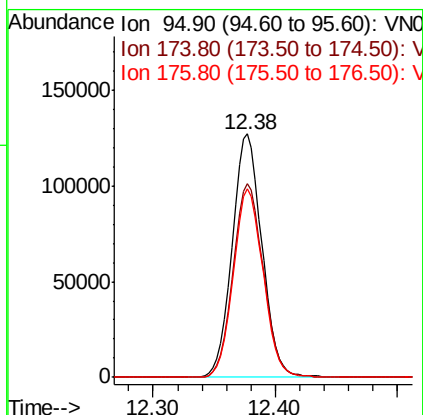
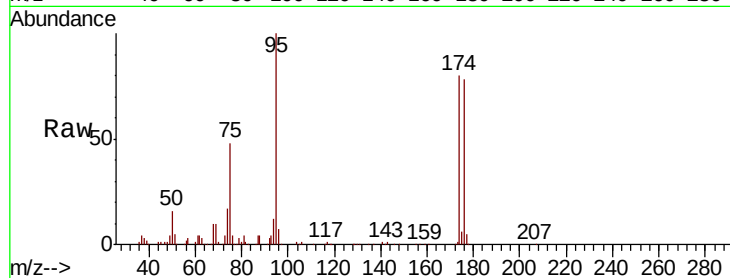




#62
4-Bromofluorobenzene
Concen: 51.522 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061638.D
Acq: 3 Jun 2020 15:09

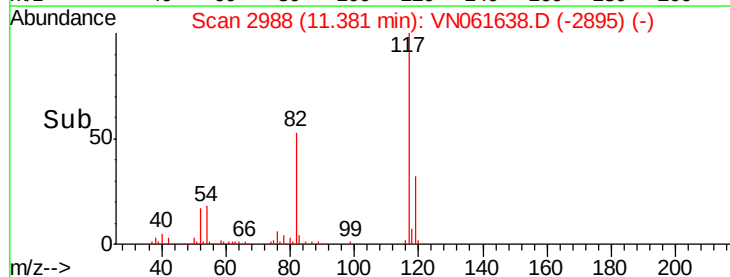
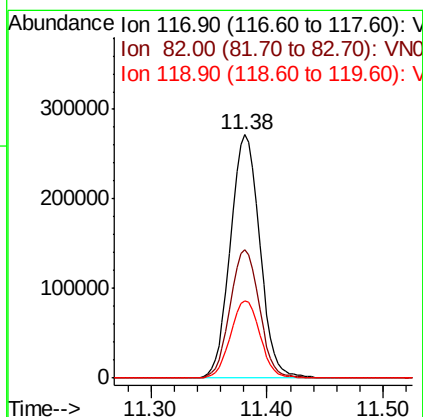
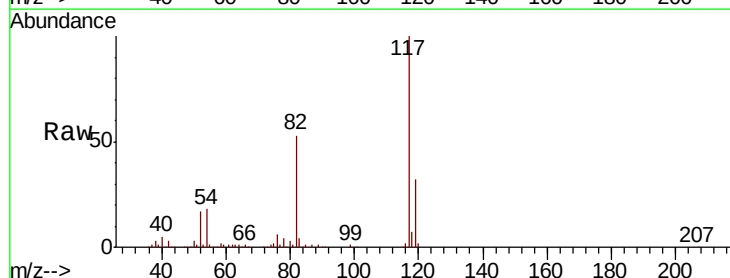
Instrument :
MSVOA_N
ClientSampleId :
SP-1

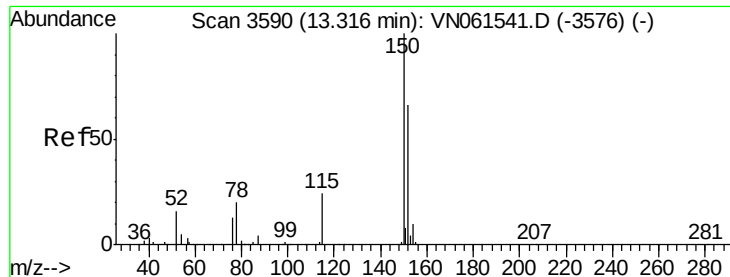
Tot Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	172.8
176	77.8	0.0	164.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061638.D
Acq: 3 Jun 2020 15:09

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.5	62.3
119	31.9	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061638.D

Acq: 3 Jun 2020 15:09

Instrument :

MSVOA_N

ClientSampleId :

SP-1

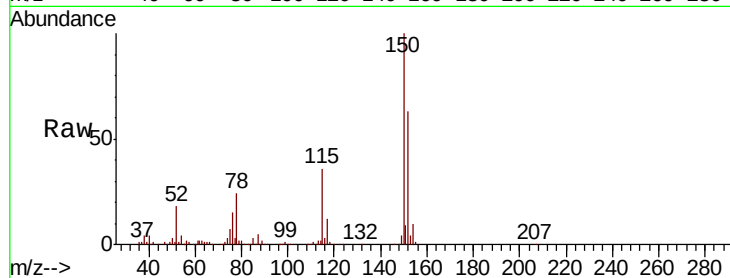
Tot Ion:152 Resp: 213945

Ion Ratio Lower Upper

152 100

115 58.0 28.0 84.0

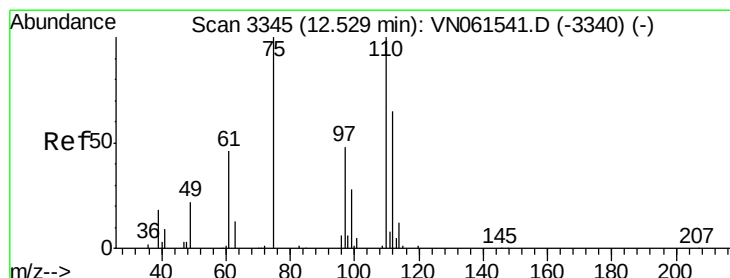
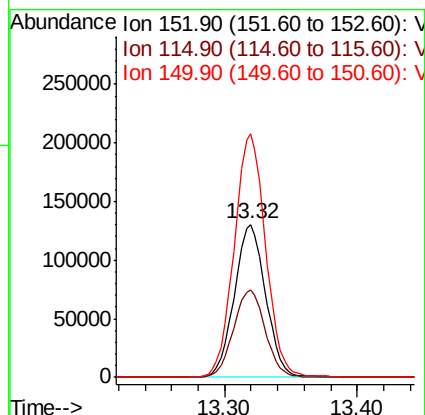
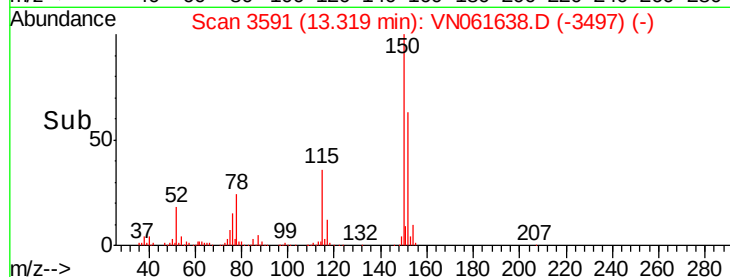
150 159.6 0.0 344.0



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: 26.924 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061638.D

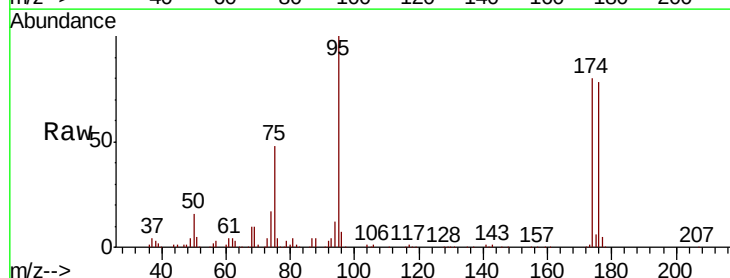
Acq: 3 Jun 2020 15:09

Tgt Ion: 75 Resp: 104742

Ion Ratio Lower Upper

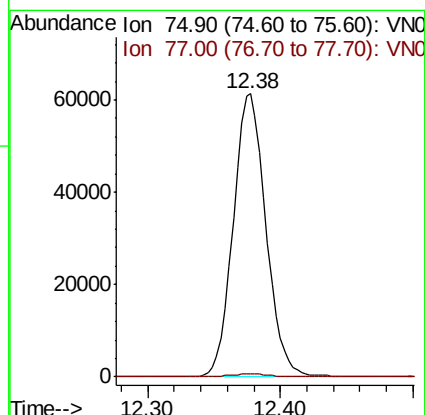
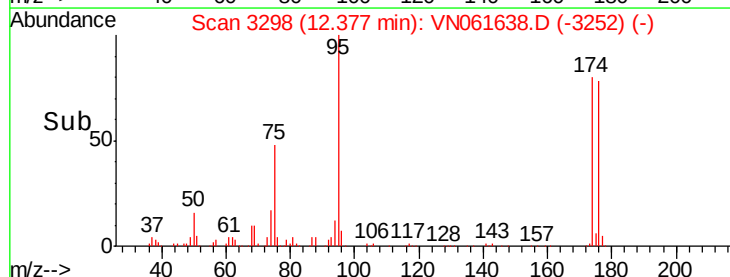
75 100

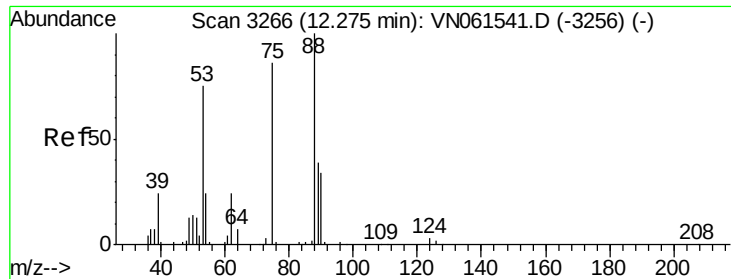
77 1.1 0.0 0.0#



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: 68.851 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061638.D

Acq: 3 Jun 2020 15:09

Instrument :

MSVOA_N

ClientSampleId :

SP-1

Tot Ion: 75 Resp: 104742

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#

