

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081120\
 Data File : VN062836.D
 Acq On : 11 Aug 2020 17:56
 Operator : JC/MD
 Sample : L3624-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS-TP-2

Quant Time: Aug 11 21:23:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	122929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	214013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	227866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	83954	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	104026	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
35) Dibromofluoromethane	7.55	113	74551	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.06	98	287599	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.38	95	106062	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	

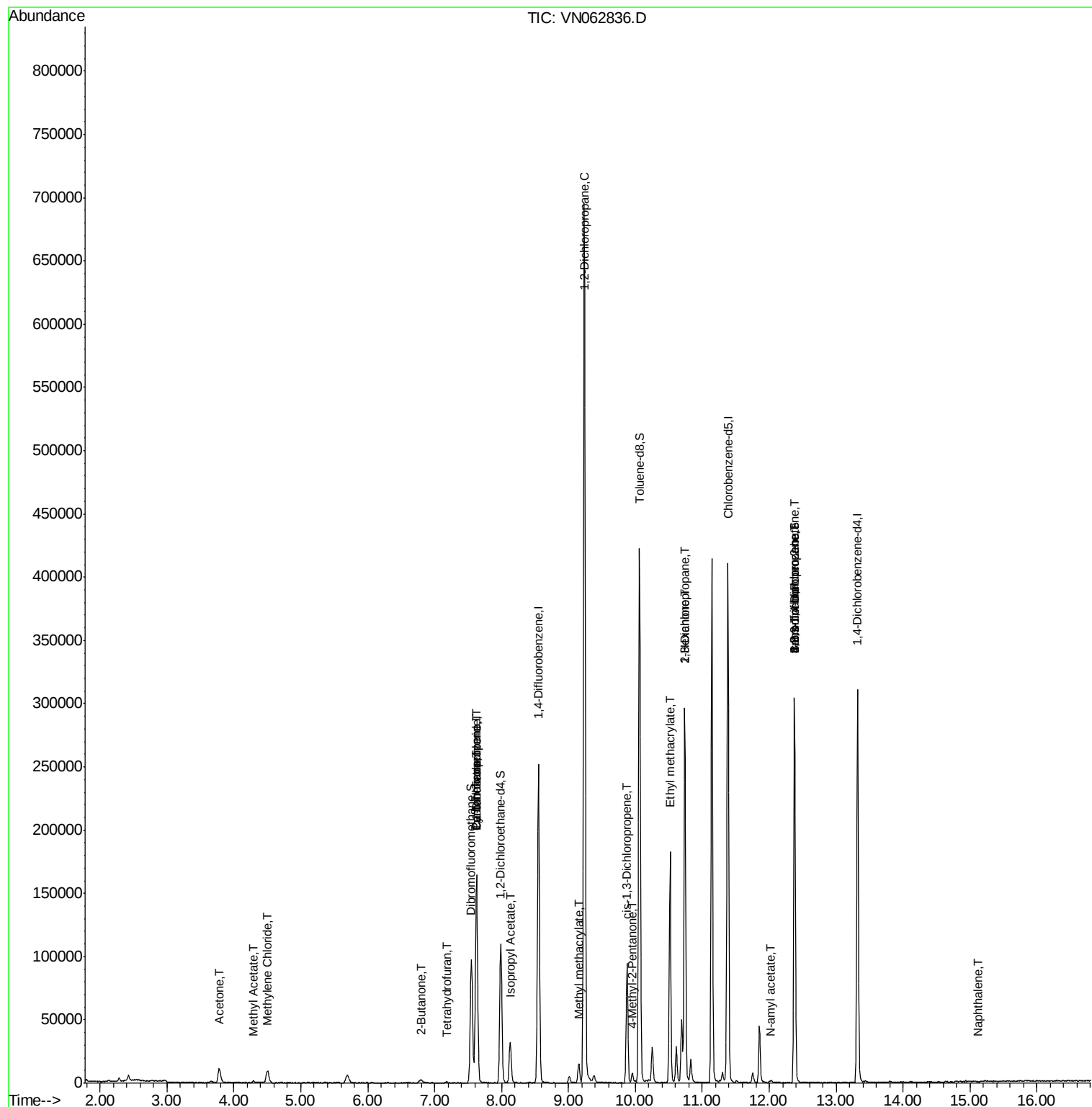
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	19881	27.066	ug/l	94
18) Methyl Acetate	4.29	43	2772	0.477	ug/l #	76
20) Methylene Chloride	4.49	84	3939	2.203	ug/l	89
25) 2-Butanone	6.80	43	1350	1.298	ug/l	100
29) Tetrahydrofuran	7.19	42	525	0.777	ug/l #	52
31) Cyclohexane	7.63	56	2841	1.153	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10401	4.991	ug/l #	51
38) Carbon Tetrachloride	7.63	117	13313	5.402	ug/l #	15
43) Isopropyl Acetate	8.13	43	37649	10.369	ug/l	98
45) 1,2-Dichloropropane	9.23	63	984	0.585	ug/l #	45
48) Methyl methacrylate	9.15	41	2268	1.270	ug/l #	13
51) 4-Methyl-2-Pentanone	9.96	43	4727	2.012	ug/l	97
54) cis-1,3-Dichloropropene	9.88	75	16777	6.134	ug/l #	68
56) Ethyl methacrylate	10.52	69	980	0.397	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2609	0.936	ug/l #	43
59) 2-Hexanone	10.74	43	41910	23.916	ug/l #	52
71) Bromoform	12.37	173	343	0.219	ug/l #	1
74) N-amyl acetate	12.01	43	2192	0.856	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	57908	25.576	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	57908	78.077	ug/l #	10
95) Naphthalene	15.11	128	120	3.737	ug/l #	68

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

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062836.D

Acq: 11 Aug 2020 17:56

Instrument :

MSVOA_N

ClientSampleId :

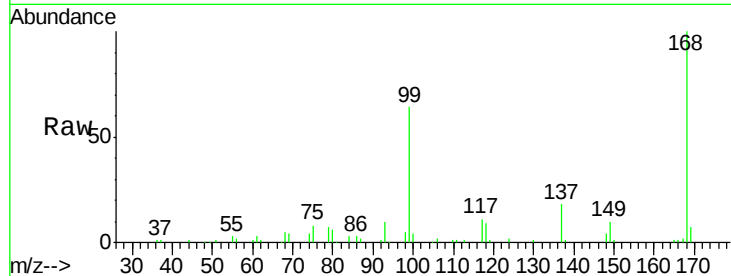
SS-TP-2

Tgt Ion:168 Resp: 122929

Ion Ratio Lower Upper

168 100

99 64.3 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

50000

40000

30000

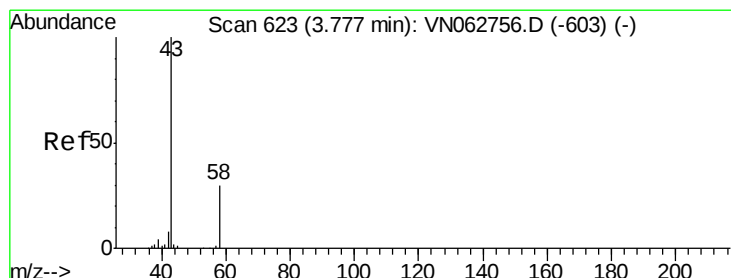
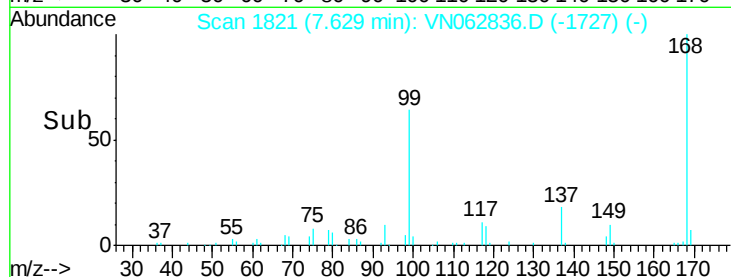
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 27.066 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062836.D

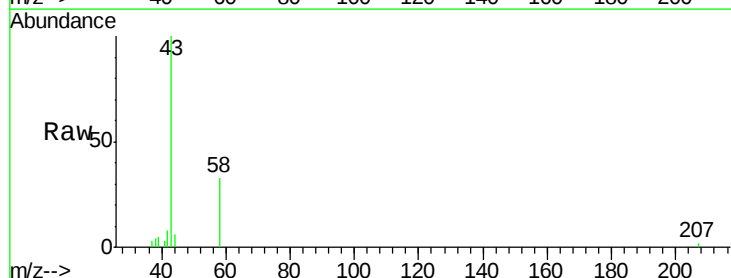
Acq: 11 Aug 2020 17:56

Tgt Ion: 43 Resp: 19881

Ion Ratio Lower Upper

43 100

58 33.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

8000

6000

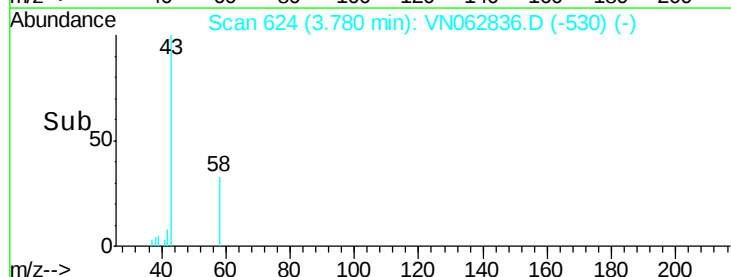
4000

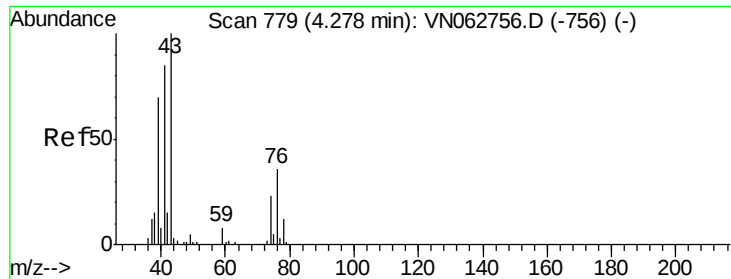
2000

0

3.70 3.75 3.80 3.85

Time-->

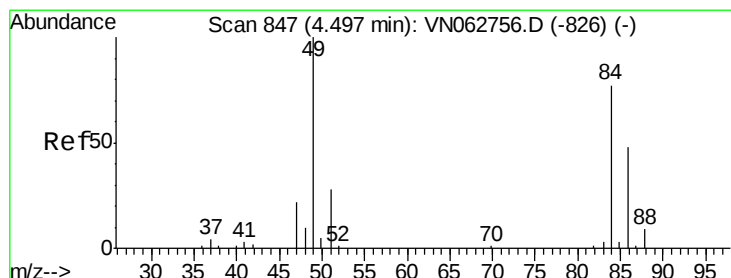
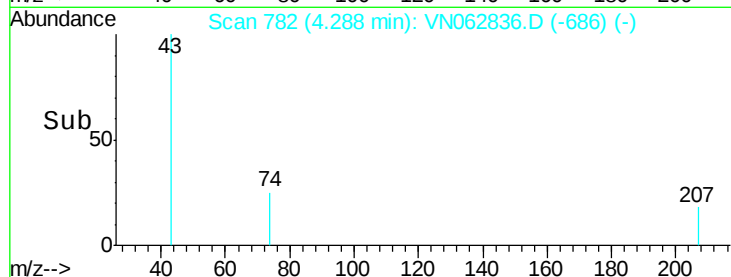
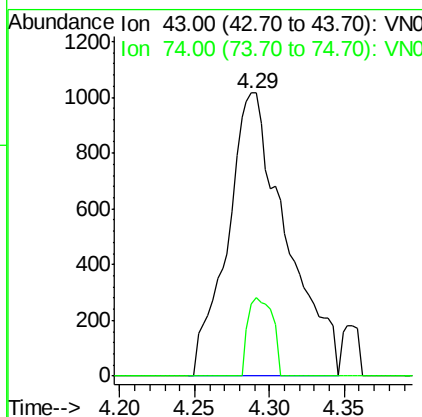
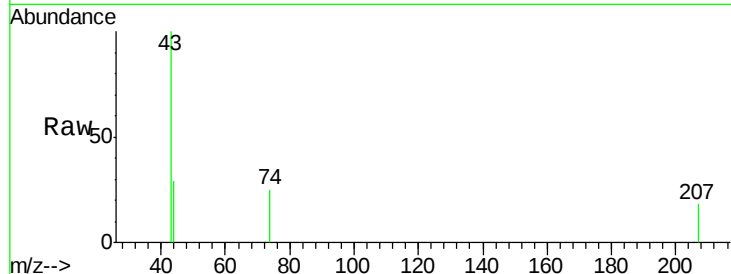




#18
Methyl Acetate
Concen: 0.477 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062836.D
Acq: 11 Aug 2020 17:56

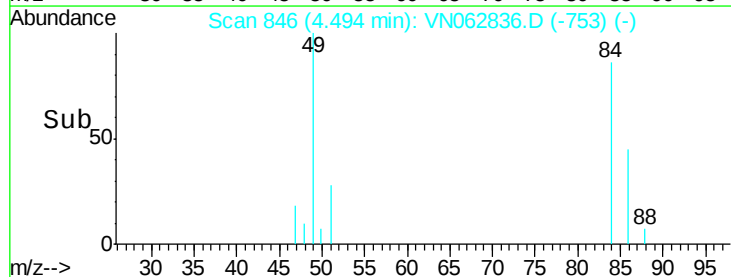
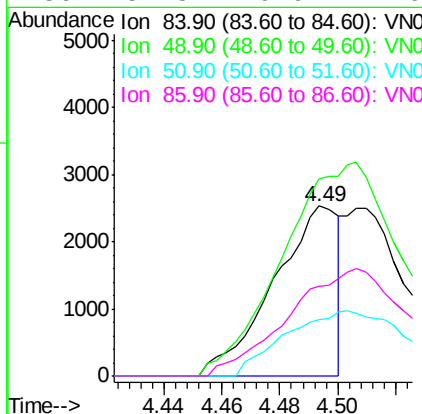
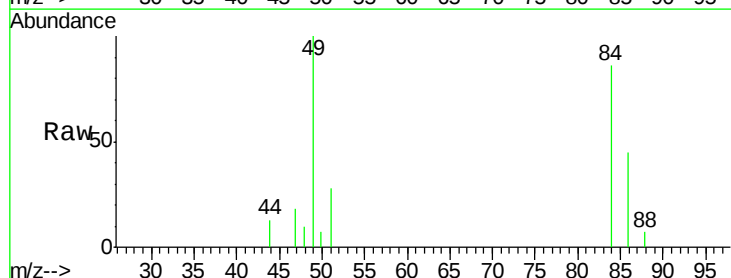
Instrument :
MSVOA_N
ClientSampleId :
SS-TP-2

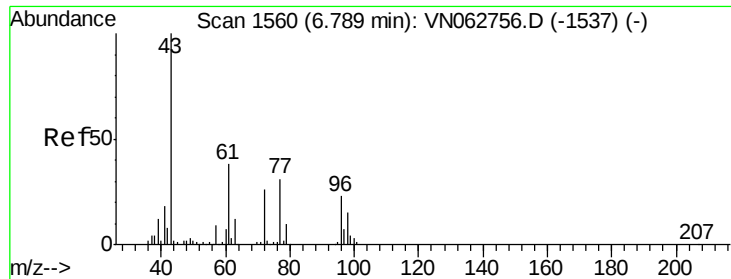
Tgt Ion: 43 Resp: 2772
Ion Ratio Lower Upper
43 100
74 11.5 18.6 28.0#



#20
Methylene Chloride
Concen: 2.203 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.00 min
Lab File: VN062836.D
Acq: 11 Aug 2020 17:56

Tgt Ion: 84 Resp: 3939
Ion Ratio Lower Upper
84 100
49 116.3 103.4 155.2
51 33.1 29.3 43.9
86 52.8 49.9 74.9

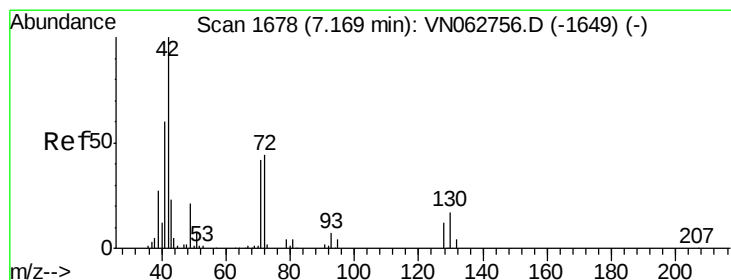
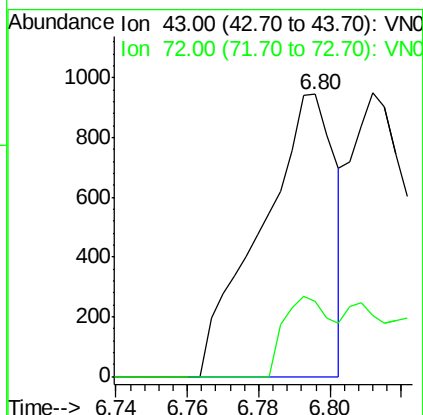
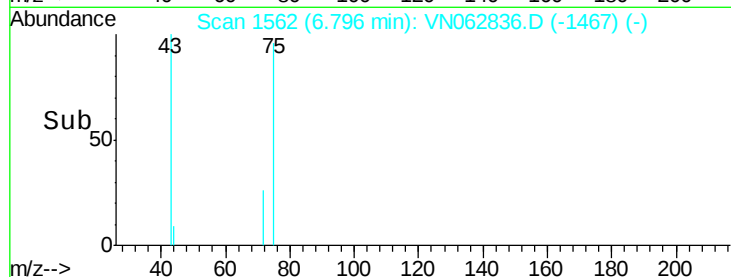
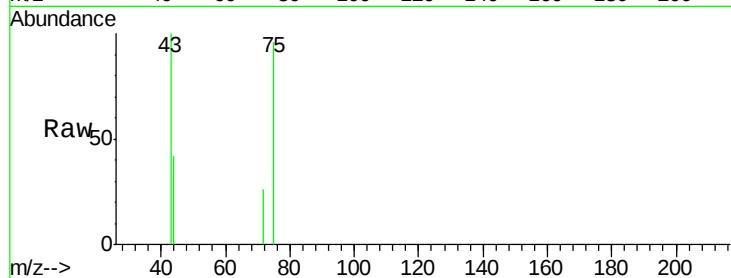




#25
 2-Butanone
 Concen: 1.298 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.01 min
 Lab File: VN062836.D
 Acq: 11 Aug 2020 17:56

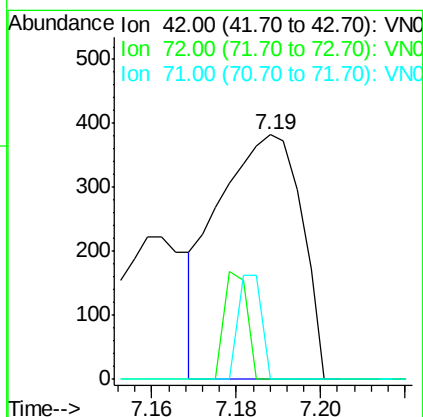
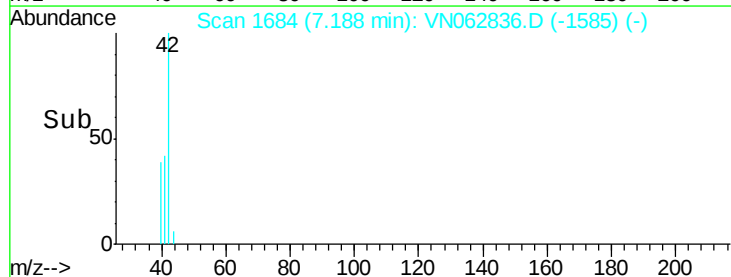
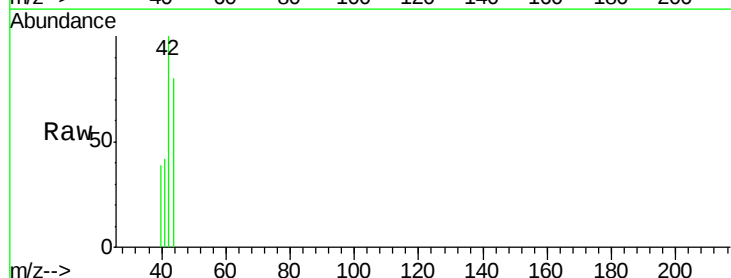
Instrument :
 MSVOA_N
 ClientSampled :
 SS-TP-2

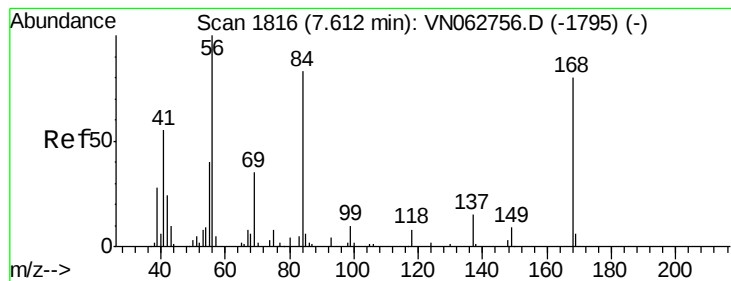
Tgt Ion: 43 Resp: 1350
 Ion Ratio Lower Upper
 43 100
 72 26.3 21.1 31.7



#29
 Tetrahydrofuran
 Concen: 0.777 ug/l
 RT: 7.19 min Scan# 1684
 Delta R.T. 0.02 min
 Lab File: VN062836.D
 Acq: 11 Aug 2020 17:56

Tgt Ion: 42 Resp: 525
 Ion Ratio Lower Upper
 42 100
 72 11.8 35.0 52.4#
 71 11.8 33.2 49.8#





#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062836.D

Acq: 11 Aug 2020 17:56

Instrument :

MSVOA_N

ClientSampled :

SS-TP-2

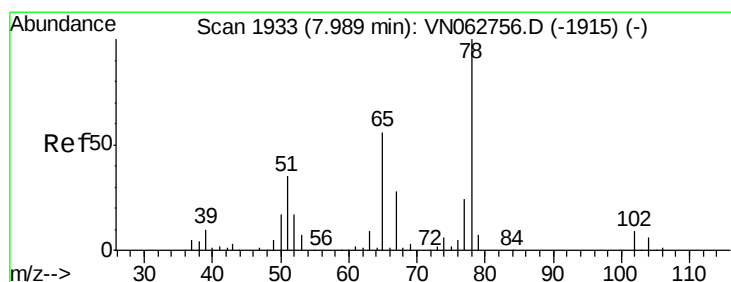
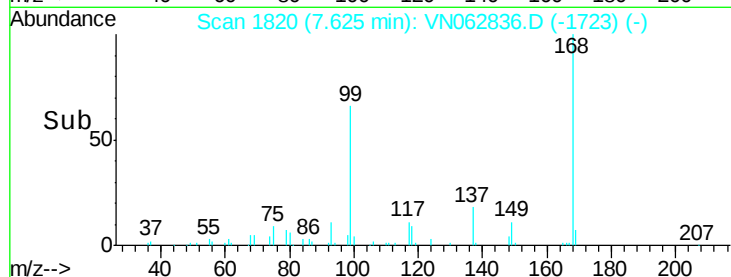
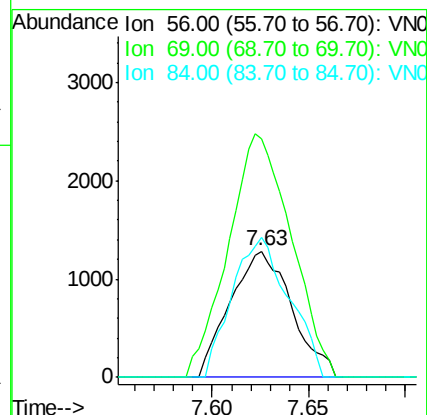
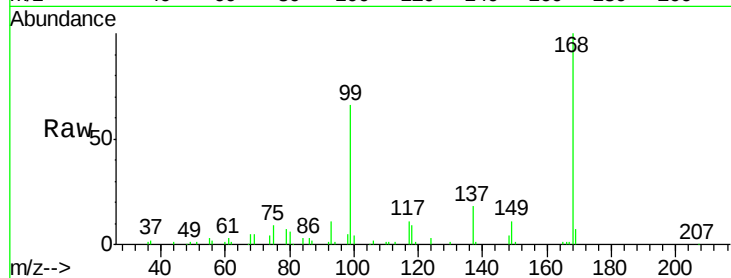
Tgt Ion: 56 Resp: 2841

Ion Ratio Lower Upper

56 100

69 188.9 28.1 42.1#

84 111.4 66.8 100.2#



#33

1,2-Dichloroethane-d4

Concen: 51.172 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062836.D

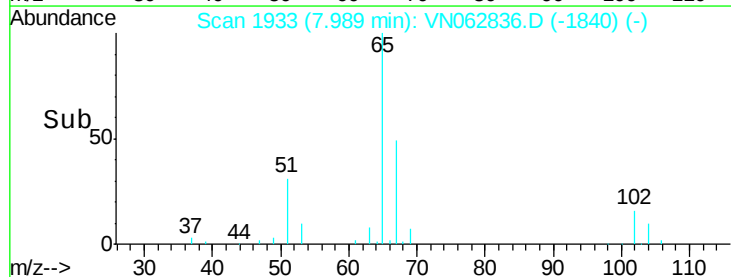
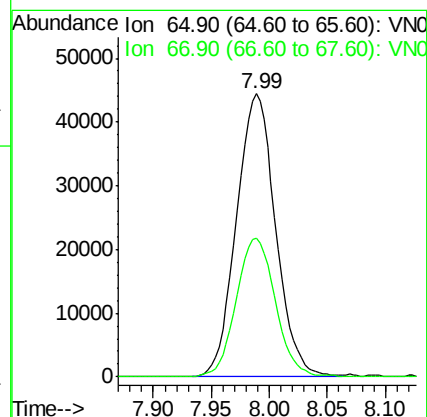
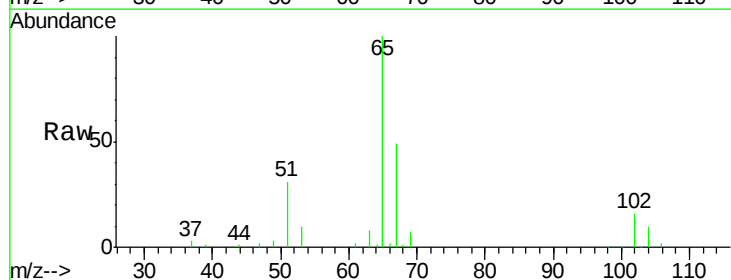
Acq: 11 Aug 2020 17:56

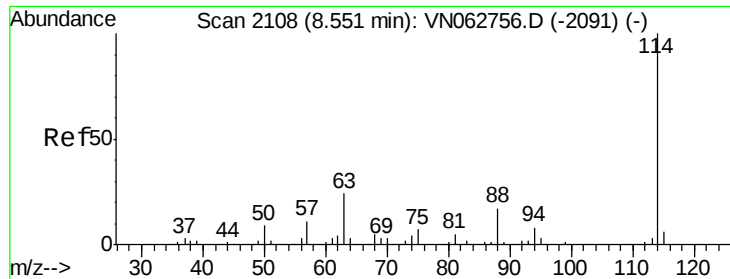
Tgt Ion: 65 Resp: 104026

Ion Ratio Lower Upper

65 100

67 49.0 0.0 101.4

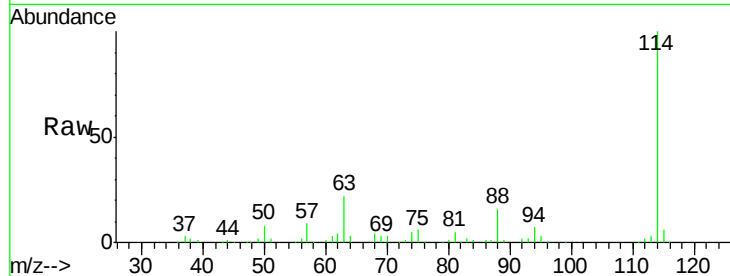




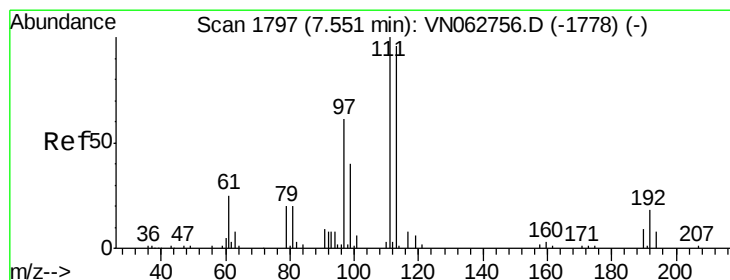
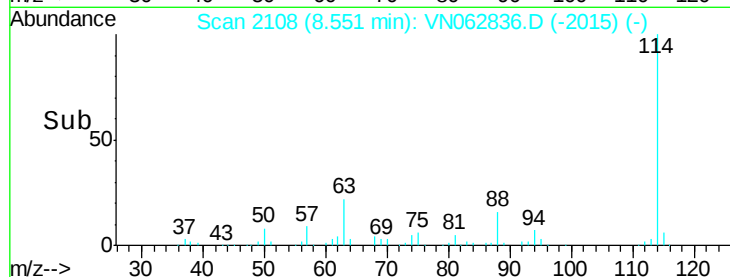
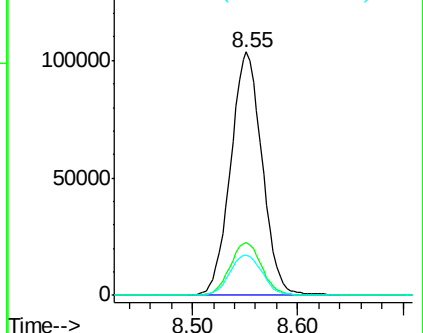
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062836.D
 Acq: 11 Aug 2020 17:56

Instrument :
 MSVOA_N
 ClientSampled :
 SS-TP-2

Tgt Ion:114 Resp: 214013
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 47.6
 88 16.4 0.0 34.4

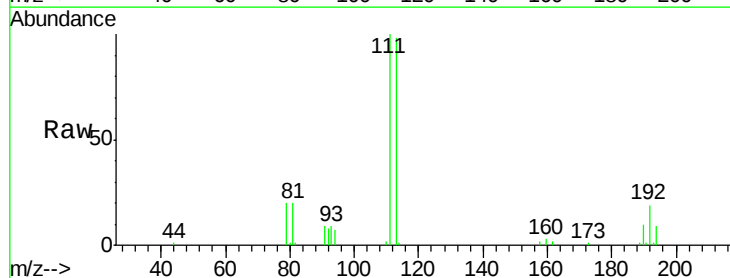


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

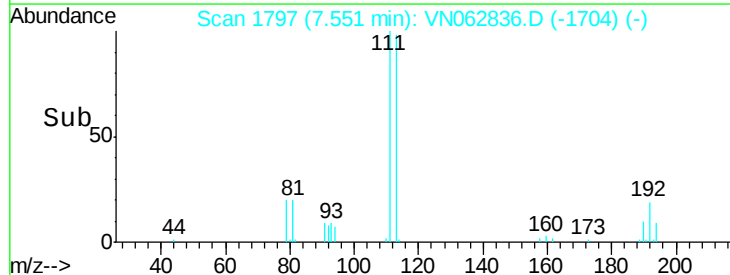
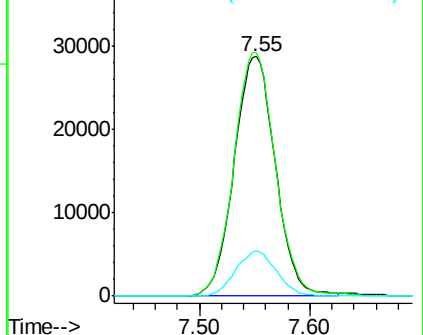


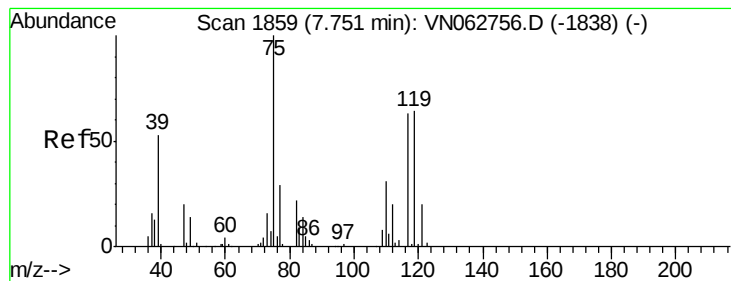
#35
 Dibromofluoromethane
 Concen: 50.924 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062836.D
 Acq: 11 Aug 2020 17:56

Tgt Ion:113 Resp: 74551
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.8 122.6
 192 18.5 15.0 22.4



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: 4.991 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062836.D

Acq: 11 Aug 2020 17:56

Instrument :

MSVOA_N

ClientSampled :

SS-TP-2

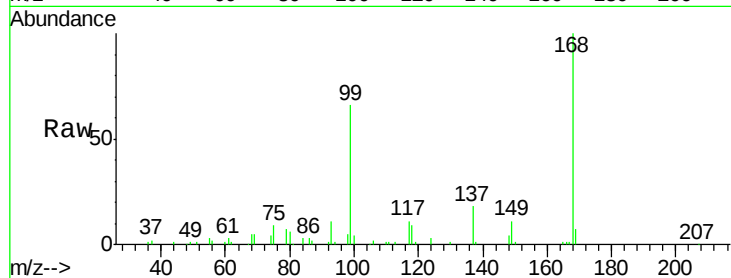
Tgt Ion: 75 Resp: 10401

Ion Ratio Lower Upper

75 100

110 7.3 15.6 46.7#

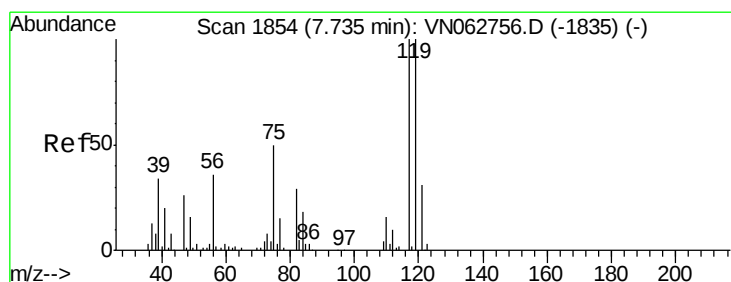
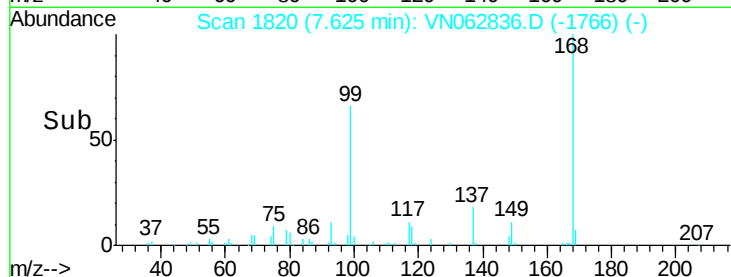
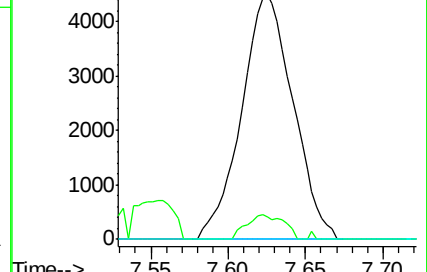
77 0.0 24.1 36.1#



Abundance Ion 74.90 (74.60 to 75.60): VN062756.D (-1838) (-)

Ion 109.90 (109.60 to 110.60): VN062756.D (-1838) (-)

Ion 76.90 (76.60 to 77.60): VN062756.D (-1838) (-)



#38

Carbon Tetrachloride

Concen: 5.402 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062836.D

Acq: 11 Aug 2020 17:56

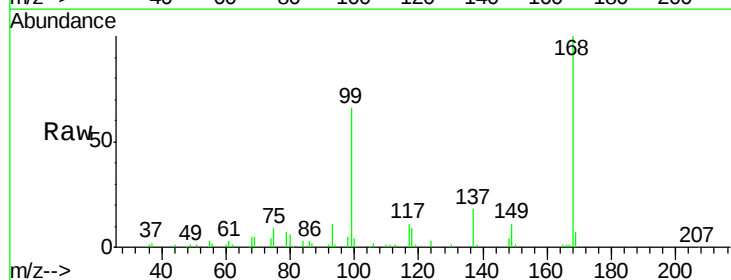
Tgt Ion: 117 Resp: 13313

Ion Ratio Lower Upper

117 100

119 5.8 79.4 119.2#

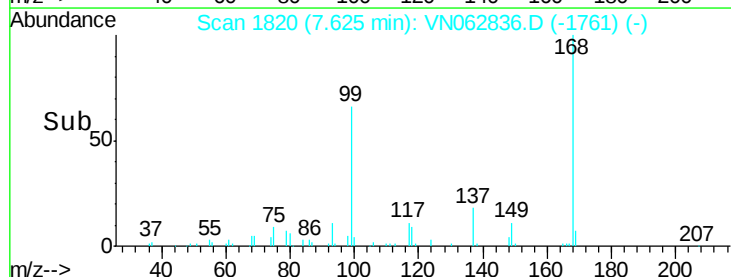
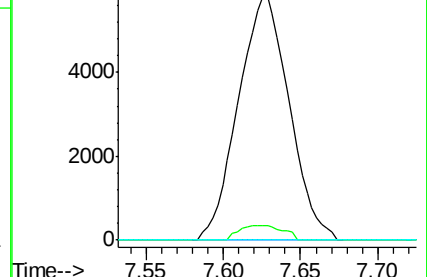
121 0.0 24.9 37.3#

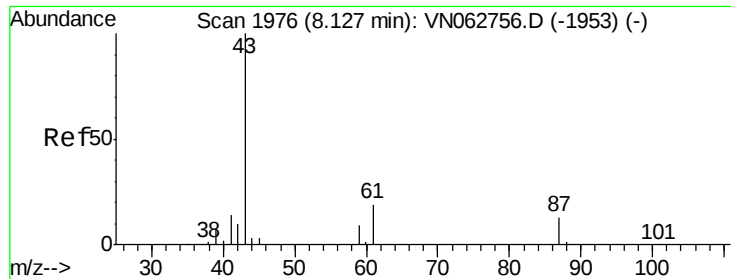


Abundance Ion 116.80 (116.50 to 117.50): VN062756.D (-1835) (-)

Ion 118.80 (118.50 to 119.50): VN062756.D (-1835) (-)

Ion 120.80 (120.50 to 121.50): VN062756.D (-1835) (-)





#43

Isopropyl Acetate

Concen: 10.369 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN062836.D

Acq: 11 Aug 2020 17:56

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-2

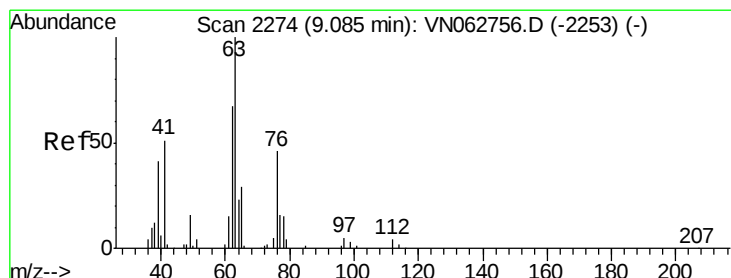
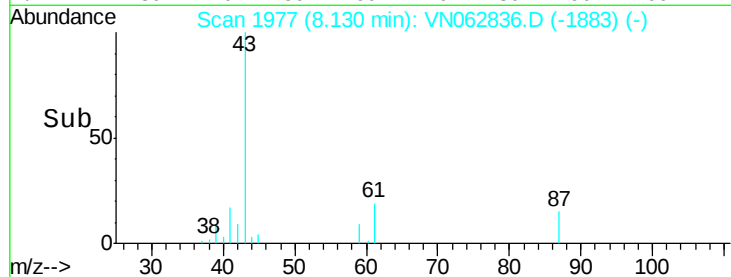
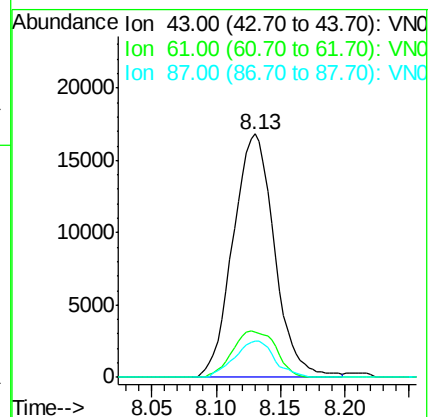
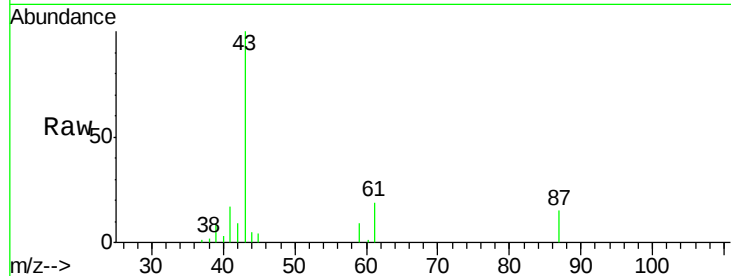
Tgt Ion: 43 Resp: 37649

Ion Ratio Lower Upper

43 100

61 19.9 15.8 23.6

87 14.4 9.9 14.9



#45

1,2-Dichloropropane

Concen: 0.585 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.15 min

Lab File: VN062836.D

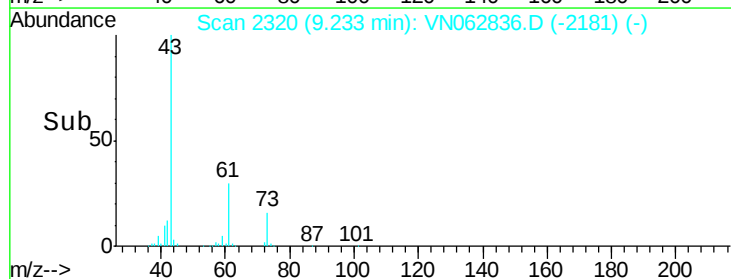
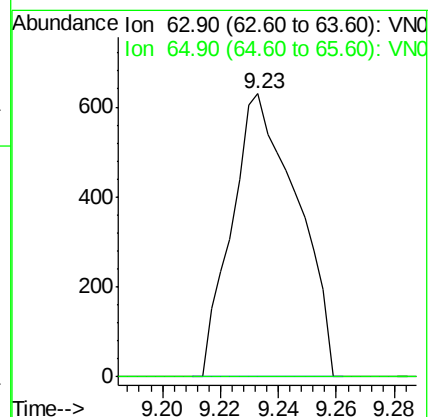
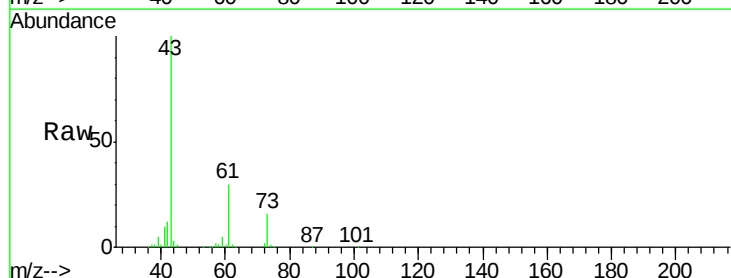
Acq: 11 Aug 2020 17:56

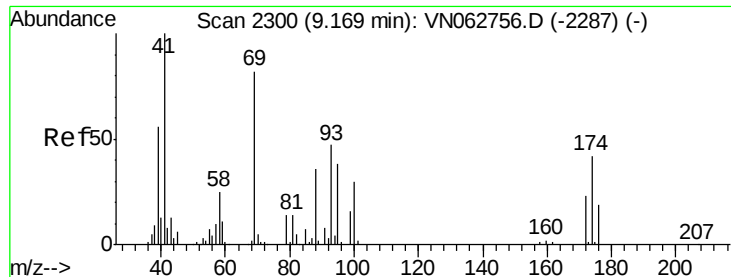
Tgt Ion: 63 Resp: 984

Ion Ratio Lower Upper

63 100

65 0.0 23.5 35.3#

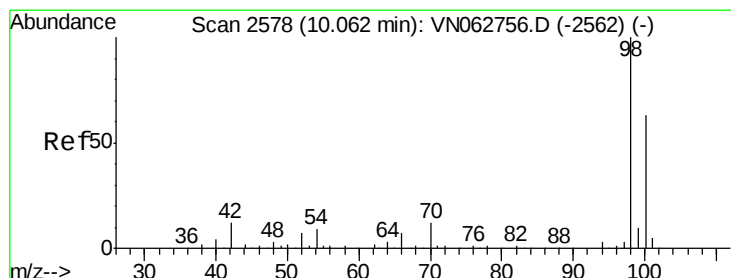
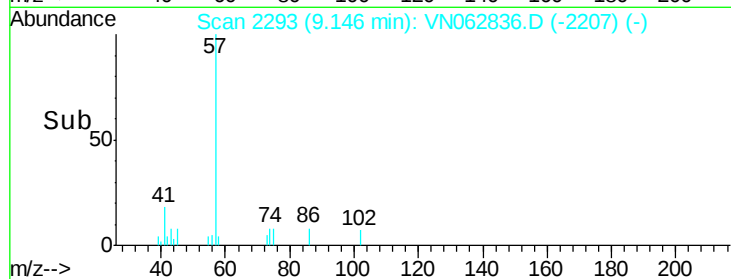
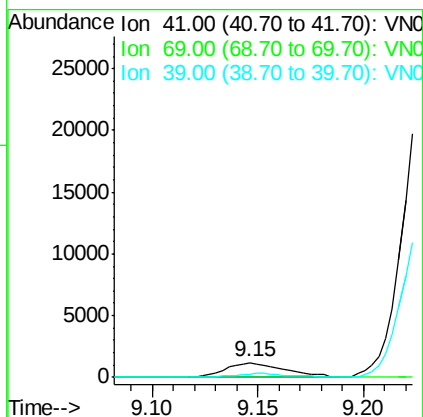
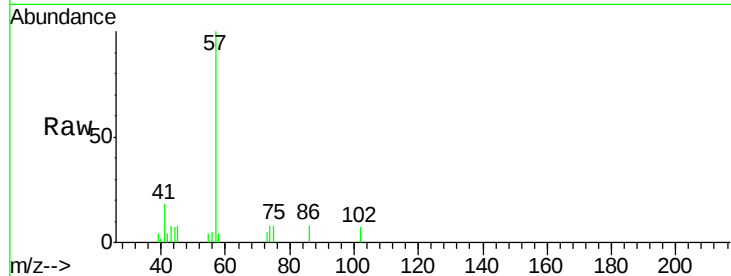




#48
Methyl methacrylate
Concen: 1.270 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN062836.D
Acq: 11 Aug 2020 17:56

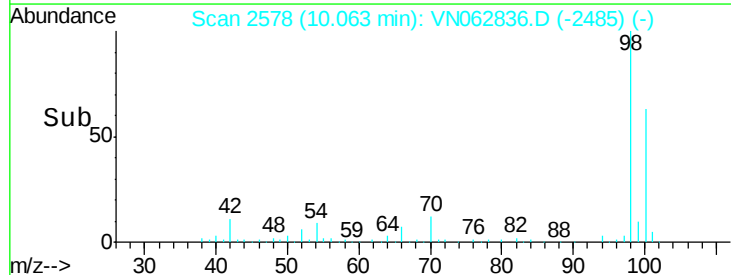
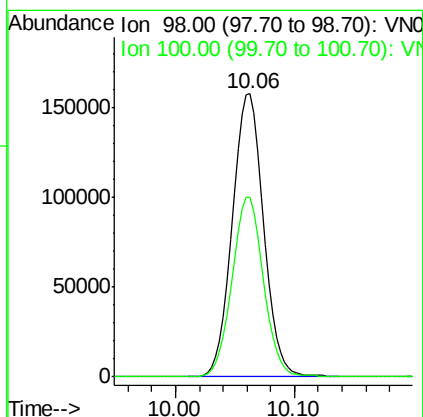
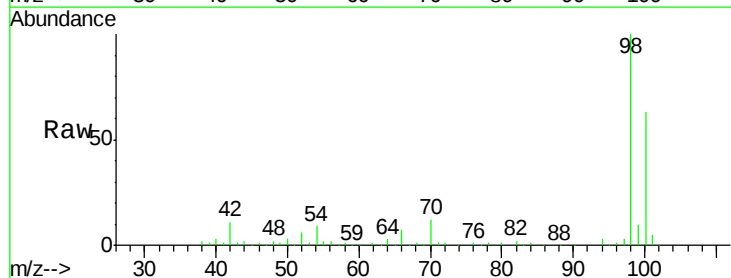
Instrument :
MSVOA_N
ClientSampled :
SS-TP-2

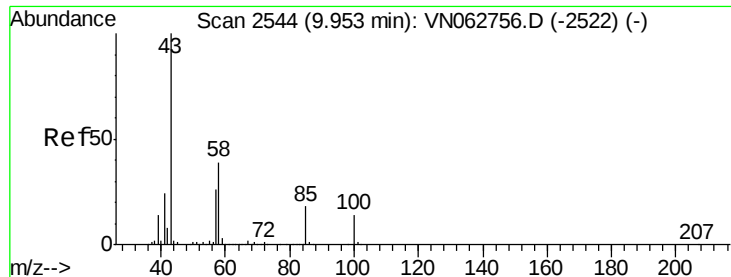
Tgt Ion: 41 Resp: 2268
Ion Ratio Lower Upper
41 100
69 0.0 67.4 101.2#
39 0.0 47.6 71.4#



#50
Toluene-d8
Concen: 50.320 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN062836.D
Acq: 11 Aug 2020 17:56

Tgt Ion: 98 Resp: 287599
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3

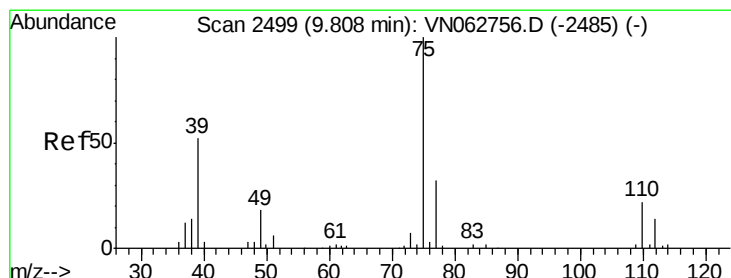
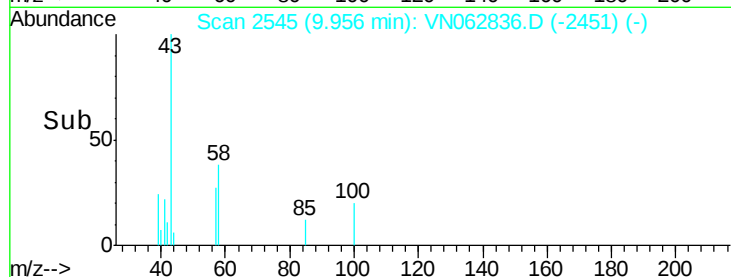
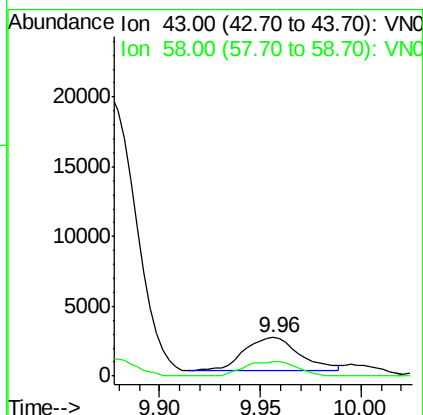
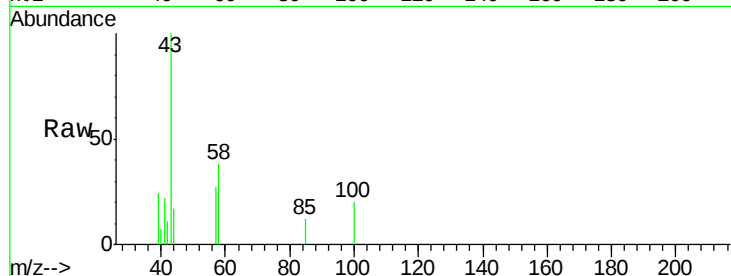




#51
 4-Methyl-2-Pentanone
 Concen: 2.012 ug/l
 RT: 9.96 min Scan# 2545
 Delta R.T. 0.00 min
 Lab File: VN062836.D
 Acq: 11 Aug 2020 17:56

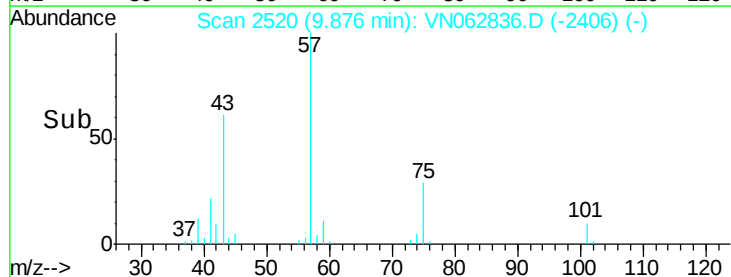
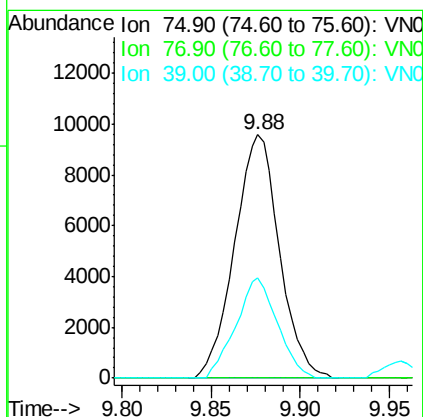
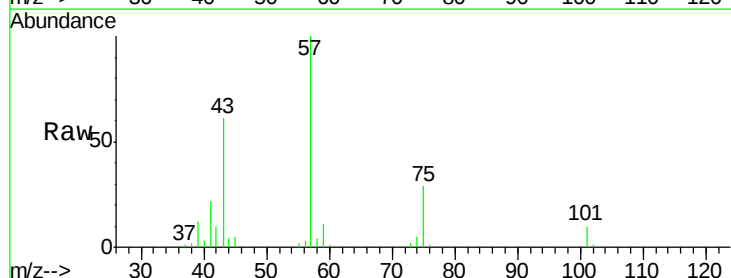
Instrument :
 MSVOA_N
 ClientSampleId :
 SS-TP-2

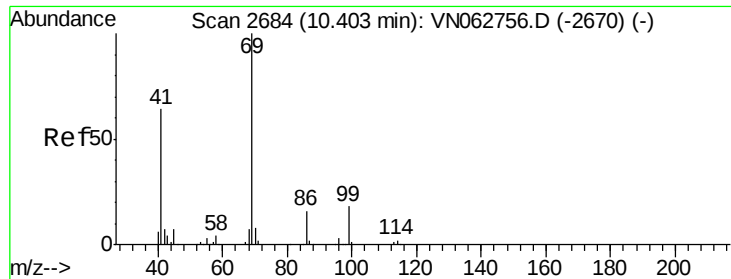
Tgt Ion: 43 Resp: 4727
 Ion Ratio Lower Upper
 43 100
 58 40.7 31.1 46.7



#54
 cis-1,3-Dichloropropene
 Concen: 6.134 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062836.D
 Acq: 11 Aug 2020 17:56

Tgt Ion: 75 Resp: 16777
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 41.0 41.9 62.9#





#56

Ethyl methacrylate

Concen: 0.397 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.11 min

Lab File: VN062836.D

Acq: 11 Aug 2020 17:56

Instrument :

MSVOA_N

ClientSampled :

SS-TP-2

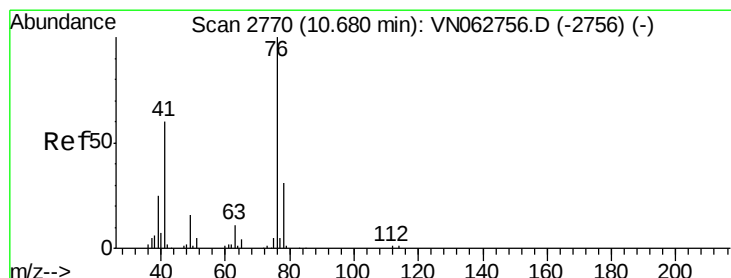
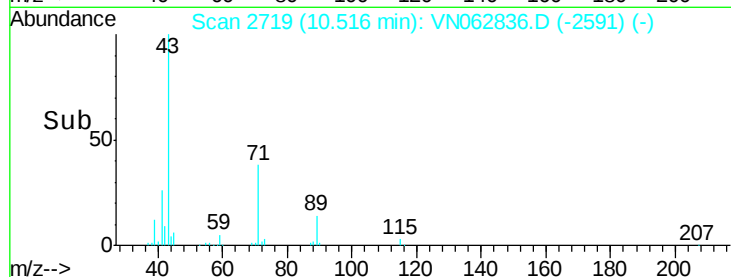
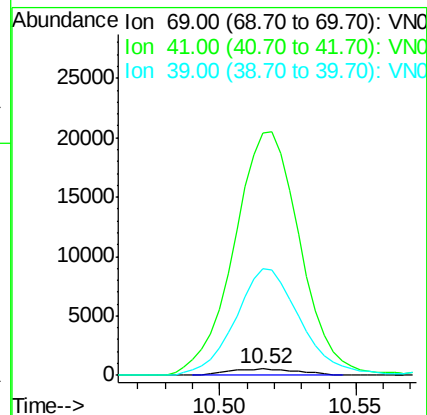
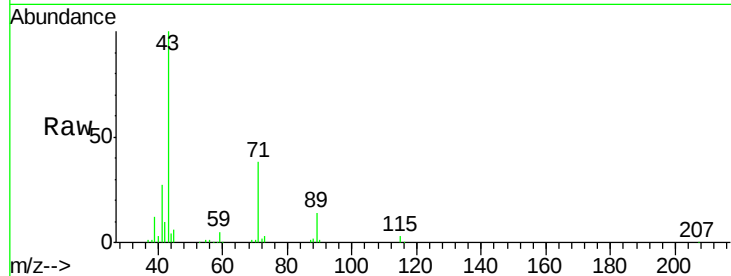
Tgt Ion: 69 Resp: 980

Ion Ratio Lower Upper

69 100

41 3518.0 52.2 78.2#

39 1526.1 30.9 46.3#



#57

1,3-Dichloropropane

Concen: 0.936 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN062836.D

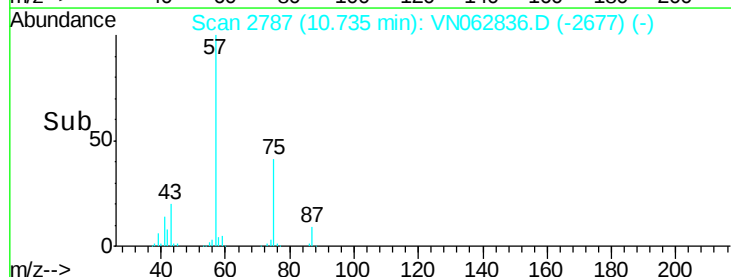
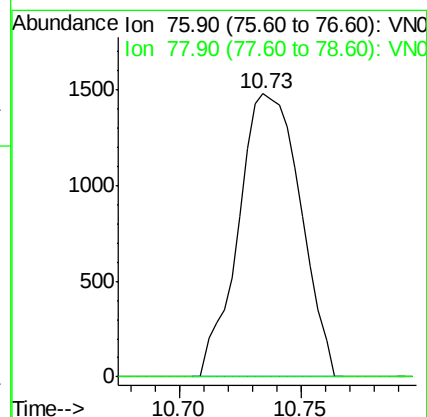
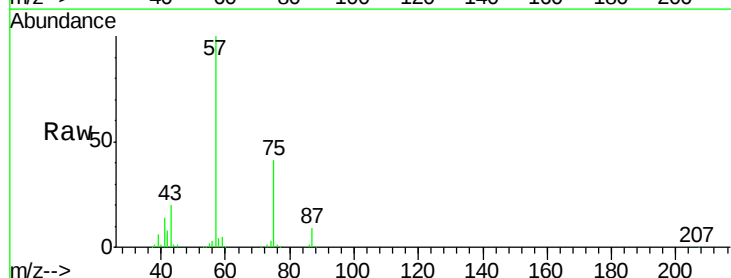
Acq: 11 Aug 2020 17:56

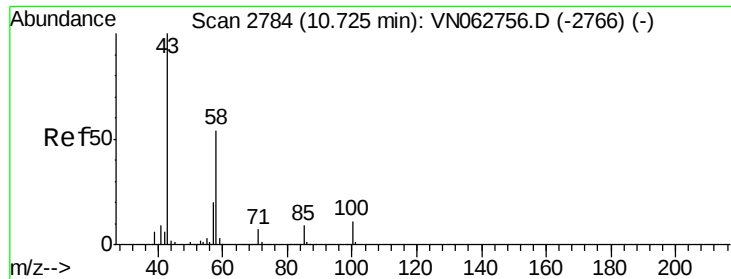
Tgt Ion: 76 Resp: 2609

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#

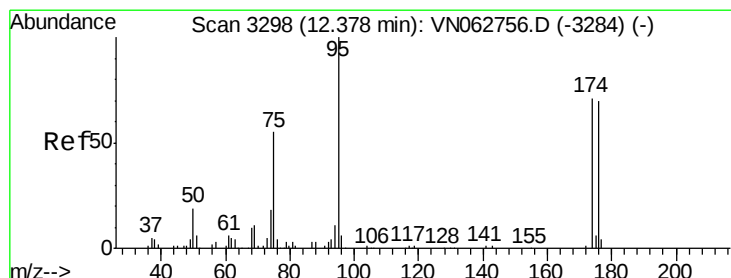
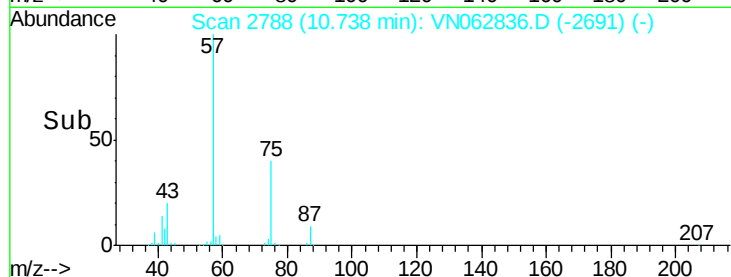
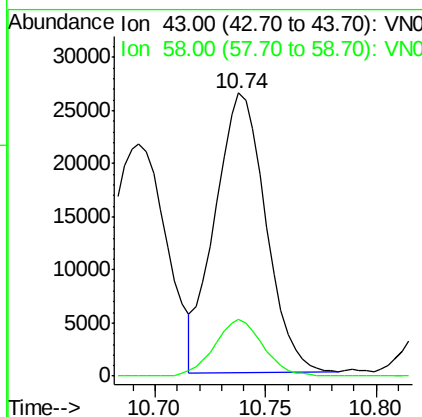
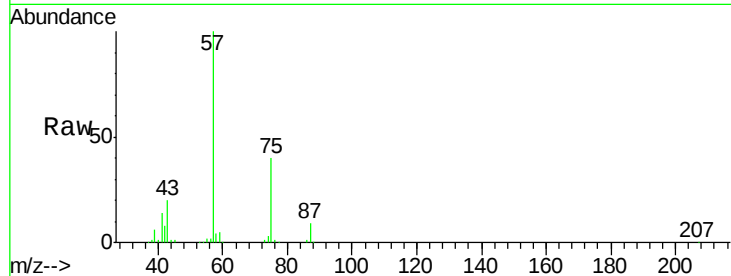




#59
2-Hexanone
Concen: 23.916 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.01 min
Lab File: VN062836.D
Acq: 11 Aug 2020 17:56

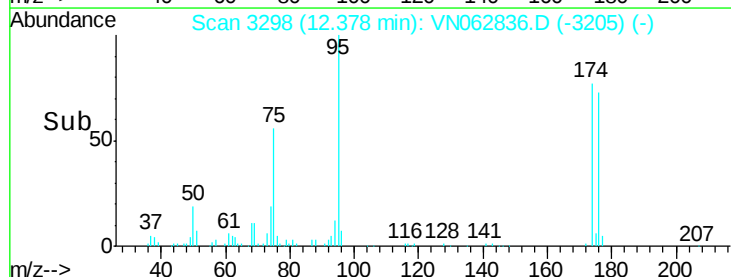
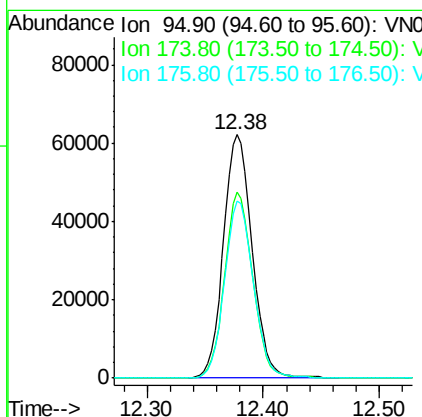
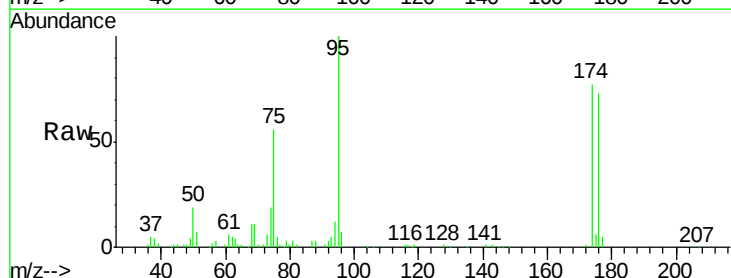
Instrument :
MSVOA_N
ClientSampled :
SS-TP-2

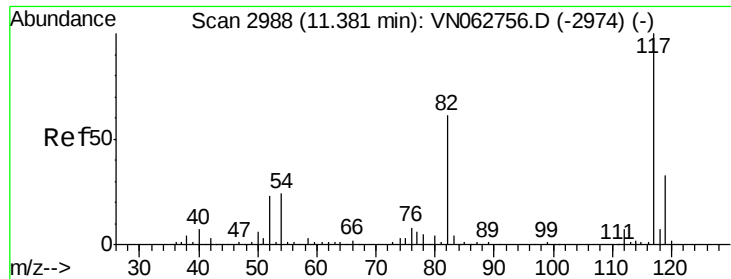
Tgt Ion: 43 Resp: 41910
Ion Ratio Lower Upper
43 100
58 19.3 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 49.106 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062836.D
Acq: 11 Aug 2020 17:56

Tgt Ion: 95 Resp: 106062
Ion Ratio Lower Upper
95 100
174 74.9 0.0 144.8
176 72.7 0.0 142.2

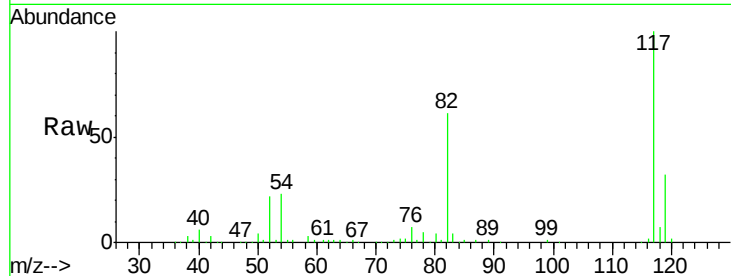




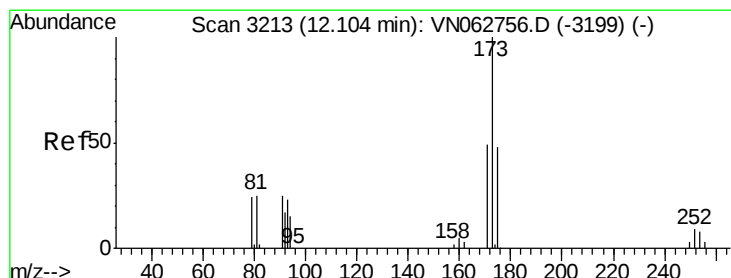
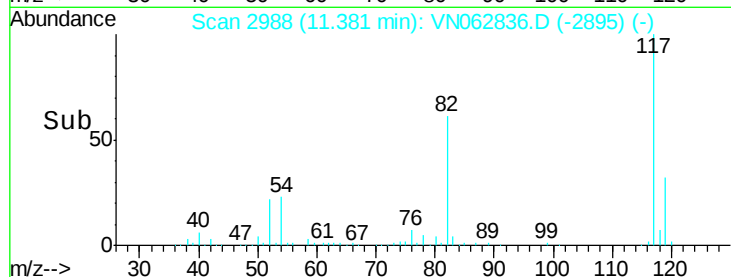
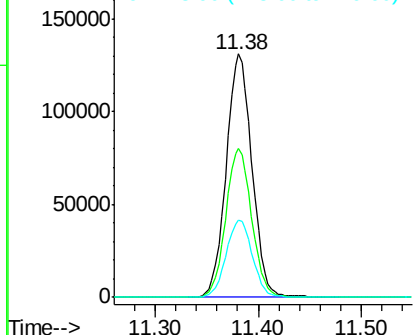
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062836.D
Acq: 11 Aug 2020 17:56

Instrument :
MSVOA_N
ClientSampleId :
SS-TP-2

Tgt Ion:117 Resp: 227866
Ion Ratio Lower Upper
117 100
82 60.9 49.0 73.4
119 31.6 26.2 39.2

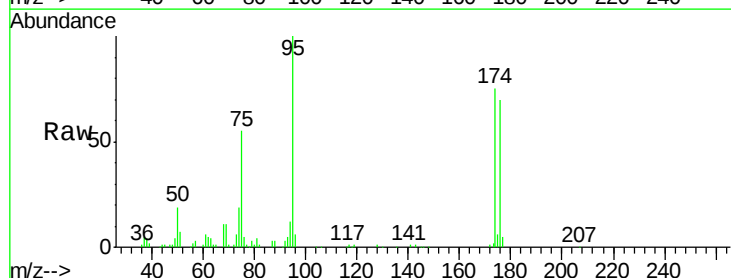


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

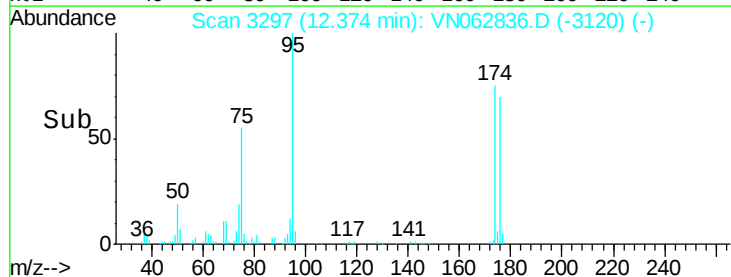
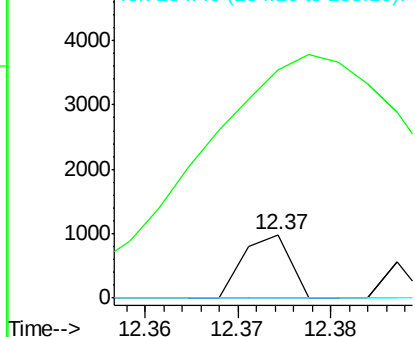


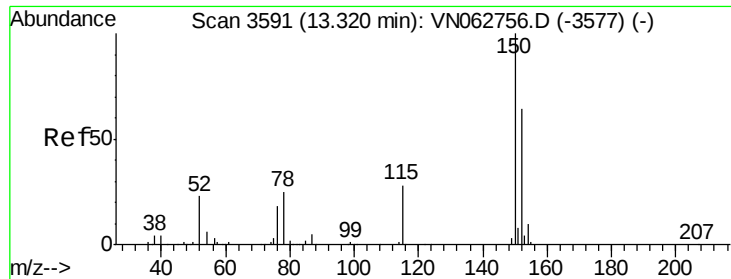
#71
Bromoform
Concen: 0.219 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062836.D
Acq: 11 Aug 2020 17:56

Tgt Ion:173 Resp: 343
Ion Ratio Lower Upper
173 100
175 1704.4 24.0 72.0#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062836.D

Acq: 11 Aug 2020 17:56

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-2

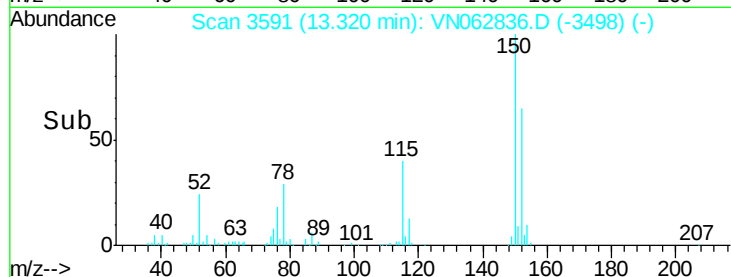
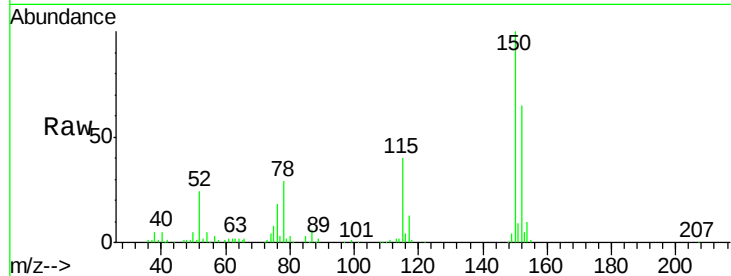
Tgt Ion:152 Resp: 83954

Ion Ratio Lower Upper

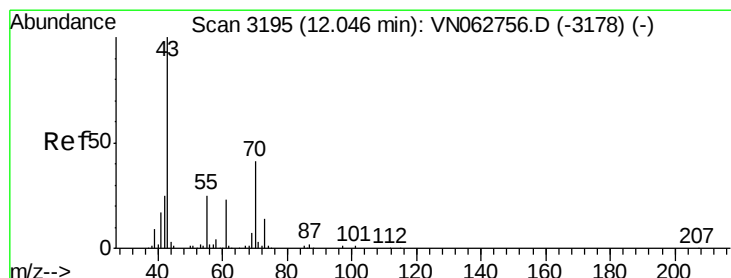
152 100

115 61.9 31.6 94.8

150 154.0 0.0 349.2



Time-->



#74

N-ethyl acetate

Concen: 0.856 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN062836.D

Acq: 11 Aug 2020 17:56

Tgt Ion: 43 Resp: 2192

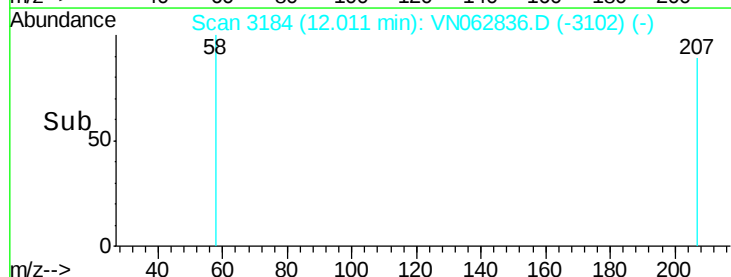
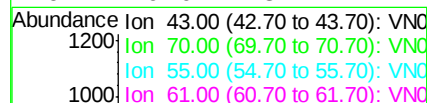
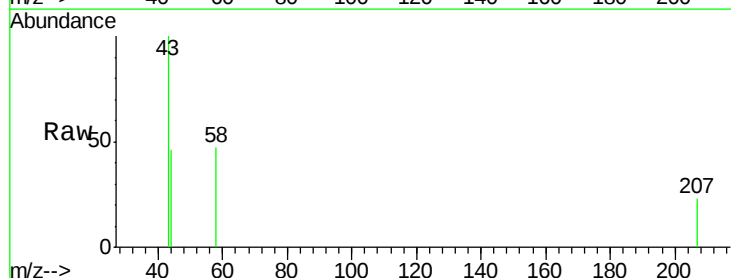
Ion Ratio Lower Upper

43 100

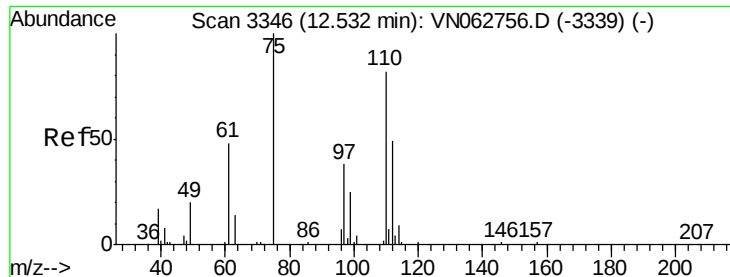
70 0.0 32.3 48.5#

55 0.0 20.2 30.2#

61 0.0 18.2 27.4#



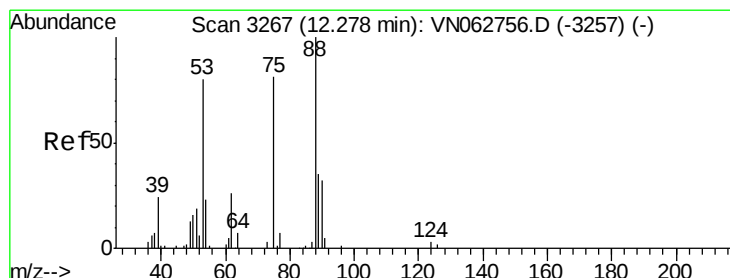
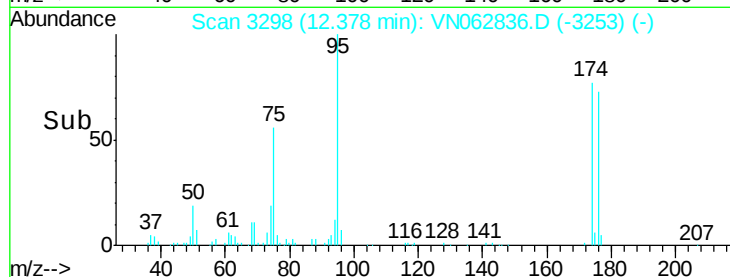
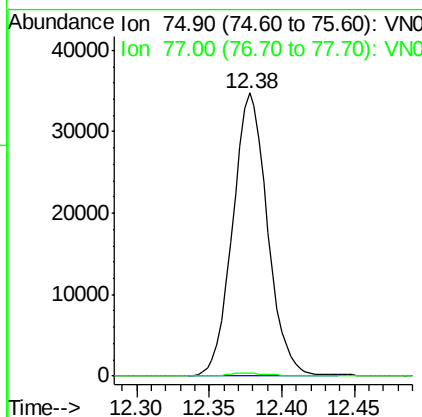
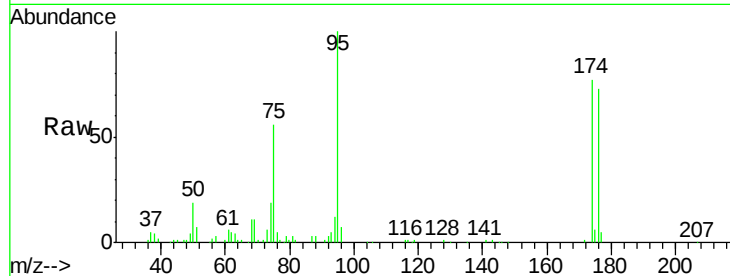
Time-->



#76
 1,2,3-Trichloropropane
 Concen: 25.576 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062836.D
 Acq: 11 Aug 2020 17:56

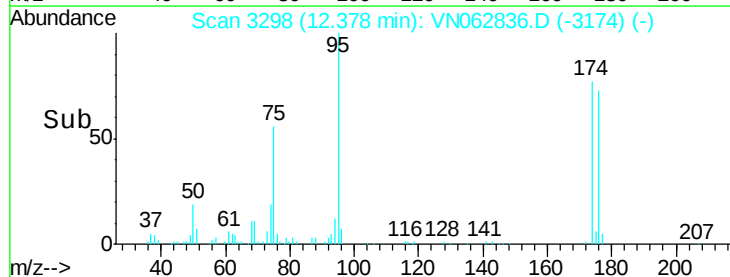
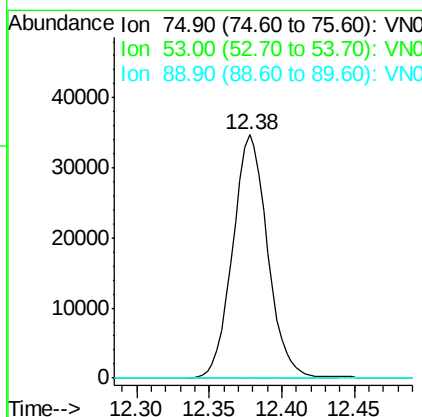
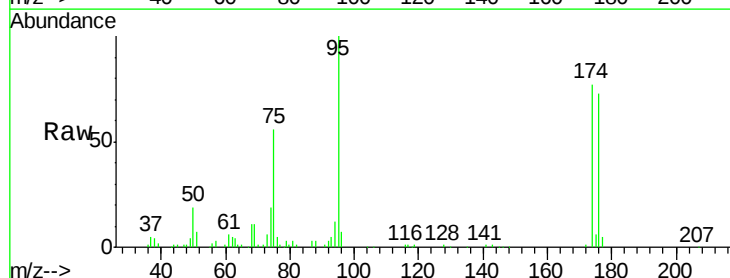
Instrument :
 MSVOA_N
 ClientSampled :
 SS-TP-2

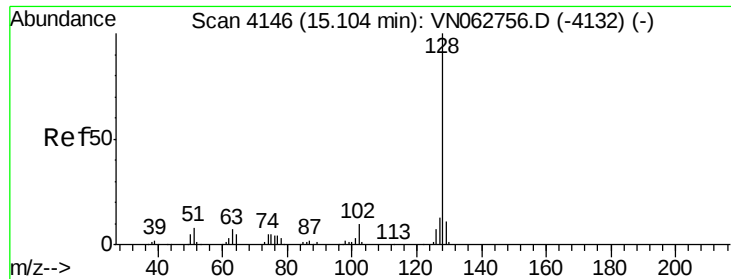
Tgt Ion: 75 Resp: 57908
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.077 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062836.D
 Acq: 11 Aug 2020 17:56

Tgt Ion: 75 Resp: 57908
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#





#95

Naphthalene

Concen: 3.737 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062836.D

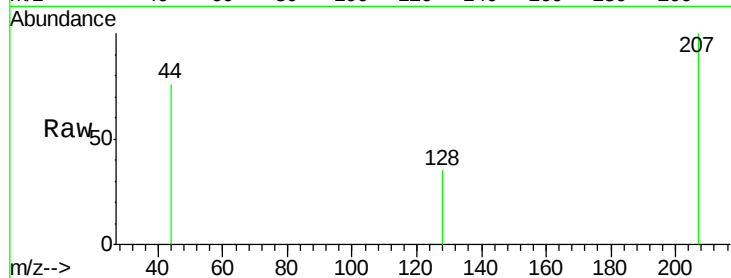
Acq: 11 Aug 2020 17:56

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-2



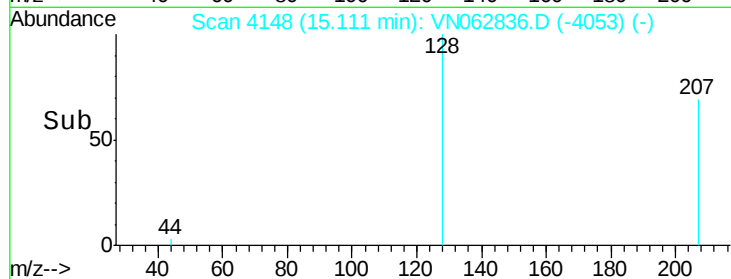
Tgt Ion:128 Resp: 120

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

