

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062882.D
 Acq On : 13 Aug 2020 2:19
 Operator : JC/MD
 Sample : PB130908ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#12

Quant Time: Aug 13 05:29:06 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	144309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	250052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	254210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	95459	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	118819	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
35) Dibromofluoromethane	7.55	113	89666	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
50) Toluene-d8	10.06	98	328642	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.38	95	117843	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	

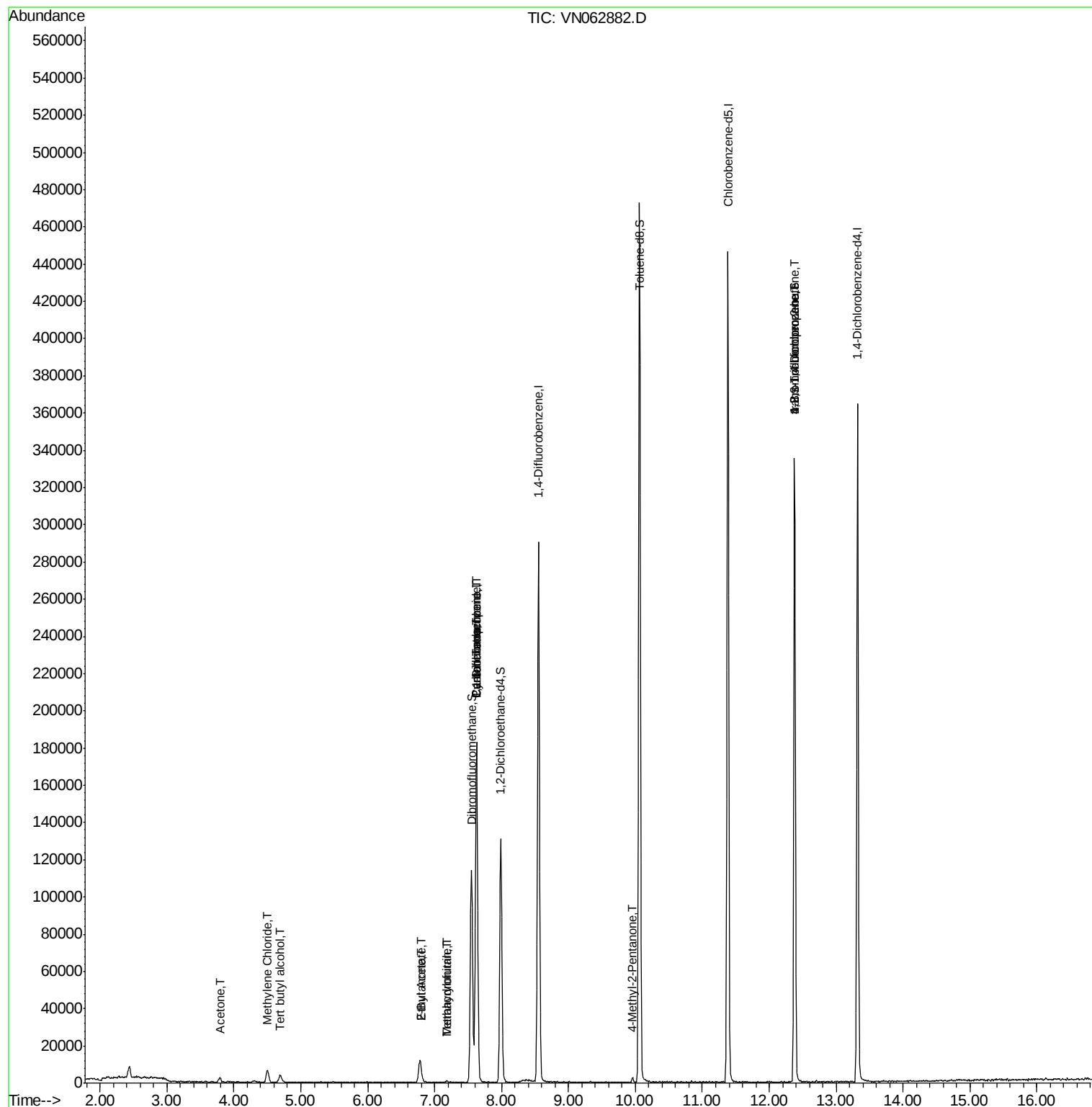
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	3972	10.155	ug/l #	72
16) Acetone	3.79	43	4470	5.184	ug/l	94
17) Carbon Disulfide	4.00	76	121	Below Cal	#	74
18) Methyl Acetate	4.28	43	838	Below Cal	#	52
20) Methylene Chloride	4.50	84	4769	2.297	ug/l	97
25) 2-Butanone	6.81	43	2026	1.659	ug/l #	49
29) Tetrahydrofuran	7.19	42	486	0.613	ug/l #	68
31) Cyclohexane	7.62	56	3340	1.154	ug/l #	10
36) 1,1-Dichloropropene	7.63	75	12377	5.083	ug/l #	51
37) Ethyl Acetate	6.81	43	2026	0.797	ug/l #	86
38) Carbon Tetrachloride	7.62	117	15079	5.236	ug/l #	17
41) Methacrylonitrile	7.18	41	398	0.347	ug/l #	6
51) 4-Methyl-2-Pentanone	9.95	43	2218	0.808	ug/l #	83
76) 1,2,3-Trichloropropane	12.38	75	62053	24.104	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	62053	73.582	ug/l #	10

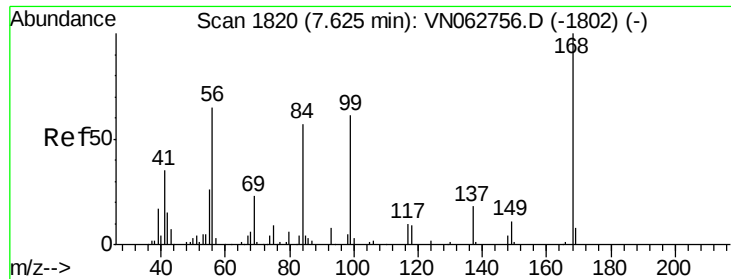
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081220\
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 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: VN062882.D

Acq: 13 Aug 2020 2:19

Instrument :

MSVOA_N

ClientSampleId :

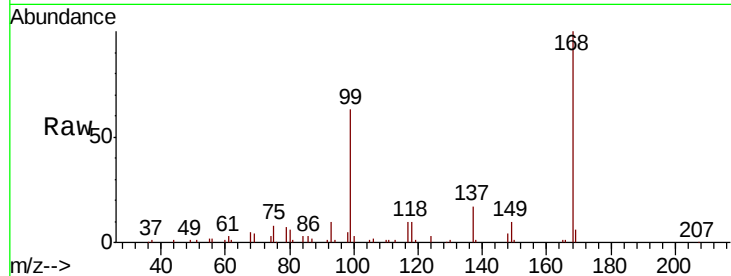
PB130908ZHE#12

Tot Ion:168 Resp: 144309

Ion Ratio Lower Upper

168 100

99 63.1 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

60000

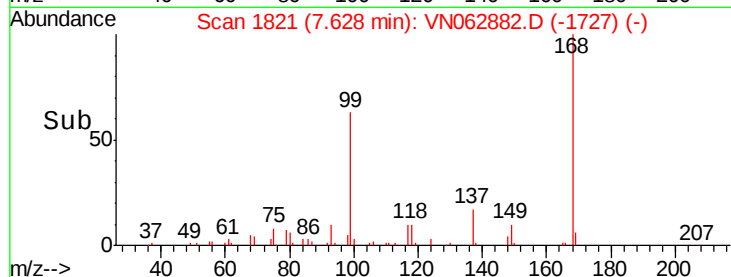
40000

20000

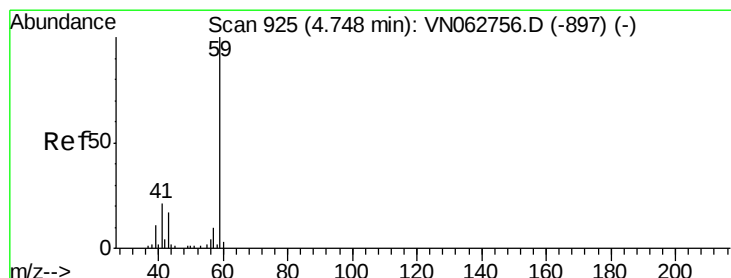
0

7.50 7.60 7.70

7.63



Time-->



#11

Tert butyl alcohol

Concen: 10.155 ug/l

RT: 4.69 min Scan# 907

Delta R.T. -0.06 min

Lab File: VN062882.D

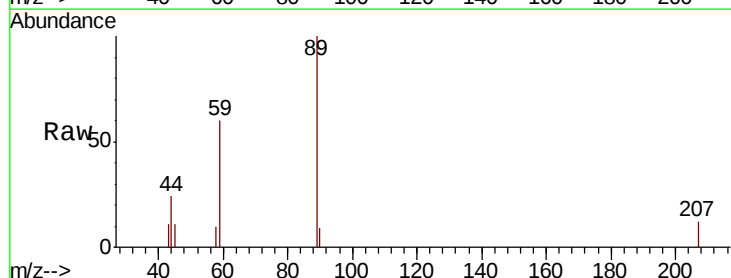
Acq: 13 Aug 2020 2:19

Tgt Ion: 59 Resp: 3972

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

1200

1000

800

600

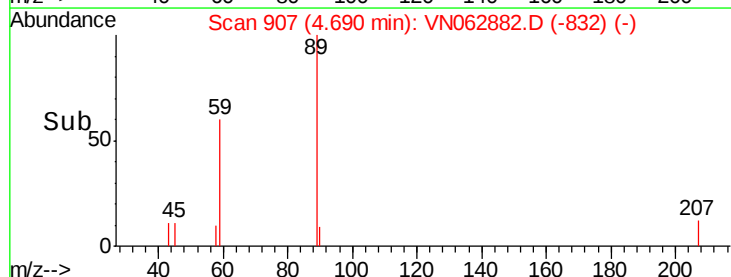
400

200

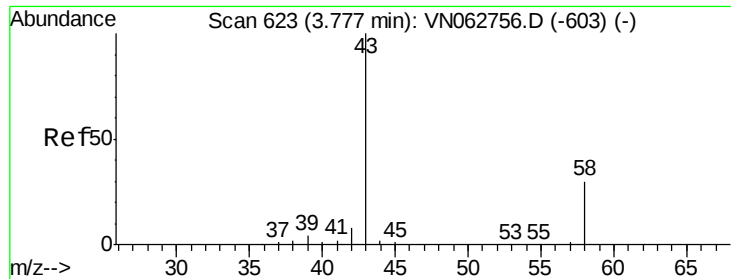
0

4.60 4.65 4.70 4.75

4.69



Time-->



#16

Acetone

Concen: 5.184 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.02 min

Lab File: VN062882.D

Acq: 13 Aug 2020 2:19

Instrument :

MSVOA_N

ClientSampleId :

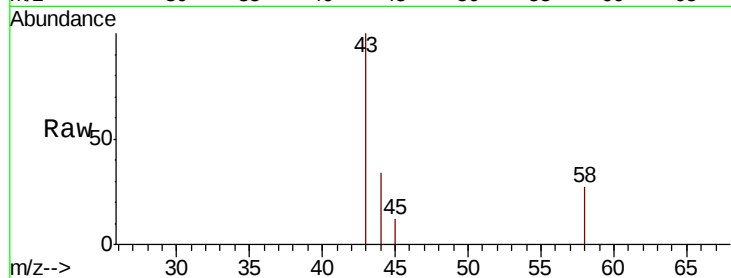
PB130908ZHE#12

Tot Ion: 43 Resp: 4470

Ion Ratio Lower Upper

43 100

58 27.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062882.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN062882.D (-530) (-)

3.79

1500

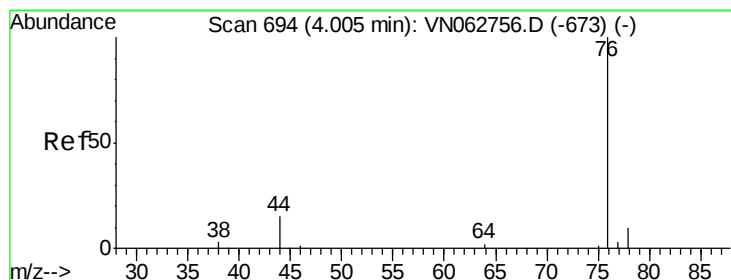
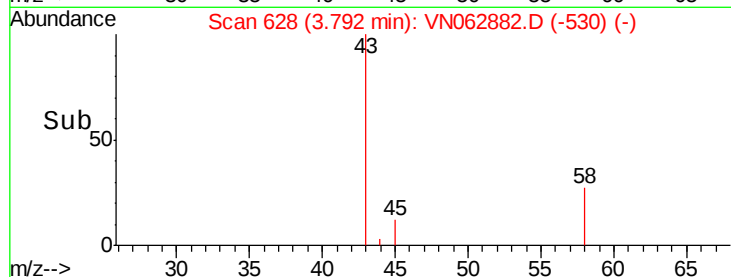
1000

500

0

3.70 3.75 3.80 3.85

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN062882.D

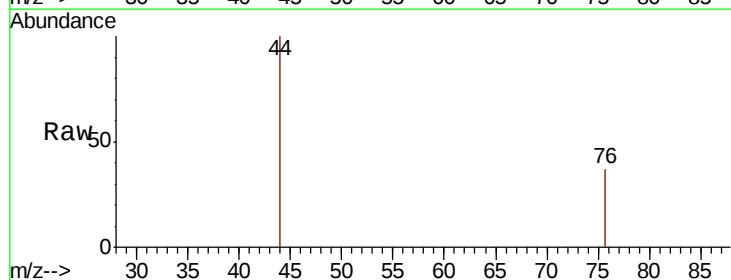
Acq: 13 Aug 2020 2:19

Tgt Ion: 76 Resp: 121

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062882.D (-600) (-)

Ion 77.90 (77.60 to 78.60): VN062882.D (-600) (-)

4.00

150

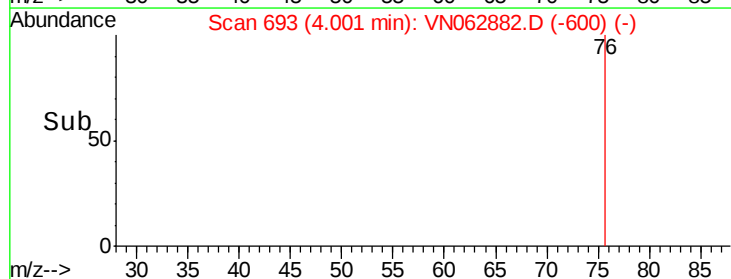
100

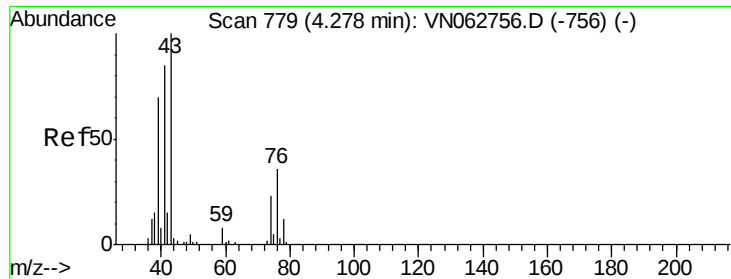
50

0

3.98 3.99 4.00 4.01

Time-->

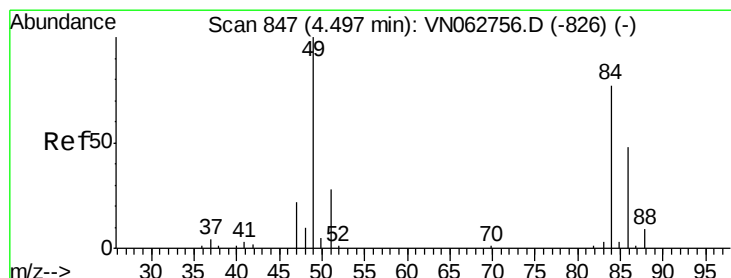
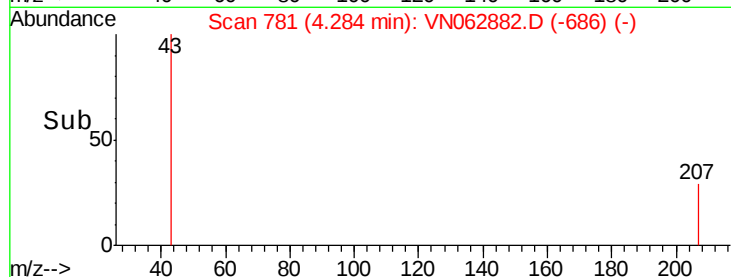
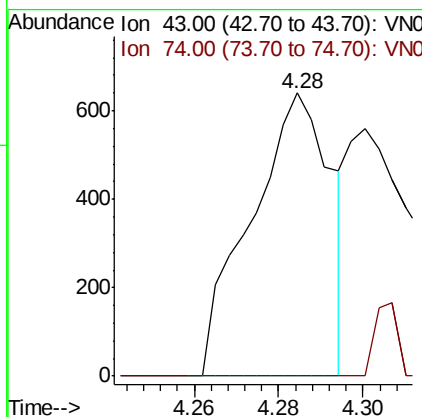
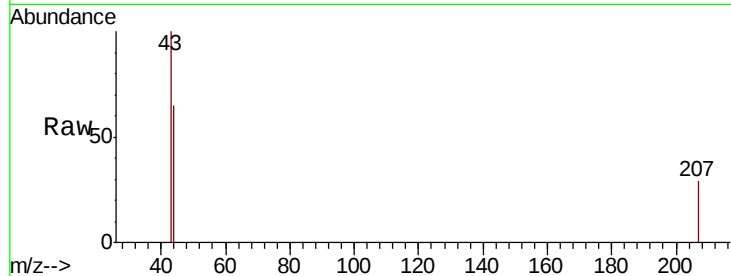




#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062882.D
Acq: 13 Aug 2020 2:19

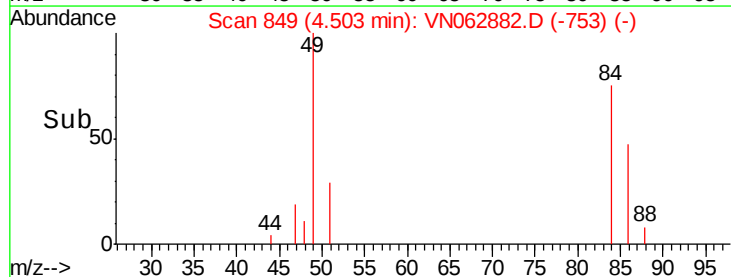
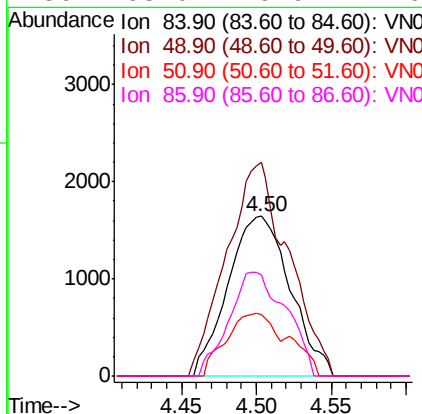
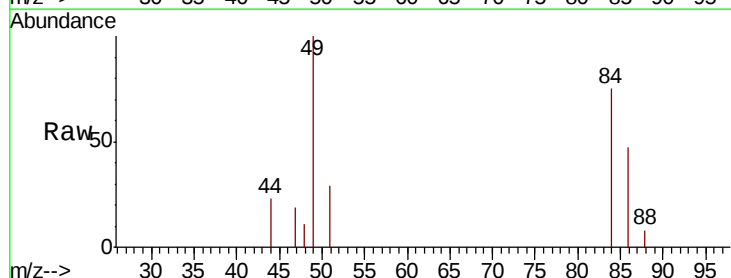
Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#12

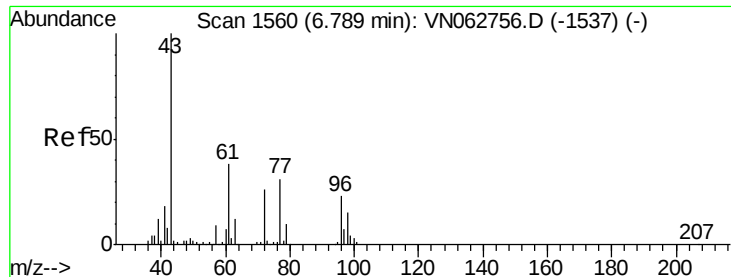
Tot Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 2.297 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062882.D
Acq: 13 Aug 2020 2:19

Tgt Ion: 84 Resp: 4769
Ion Ratio Lower Upper
84 100
49 133.7 103.4 155.2
51 38.5 29.3 43.9
86 63.0 49.9 74.9

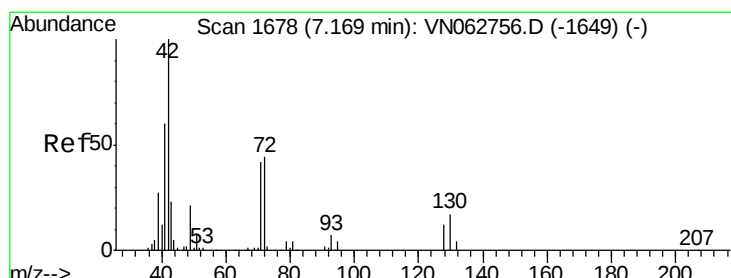
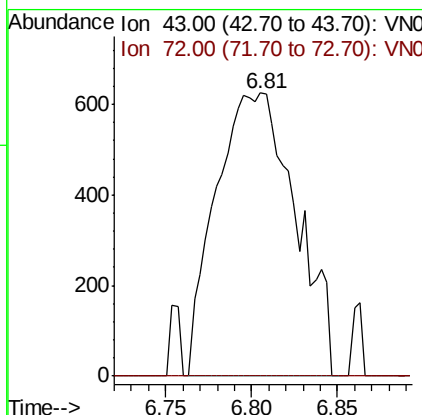
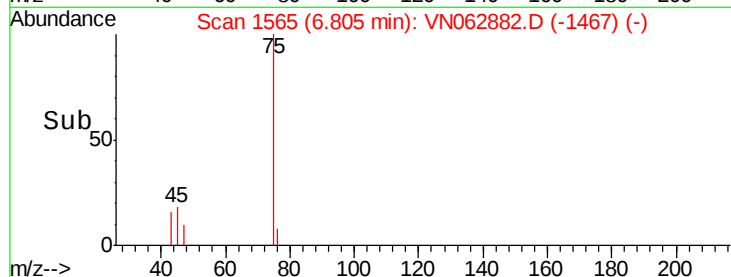
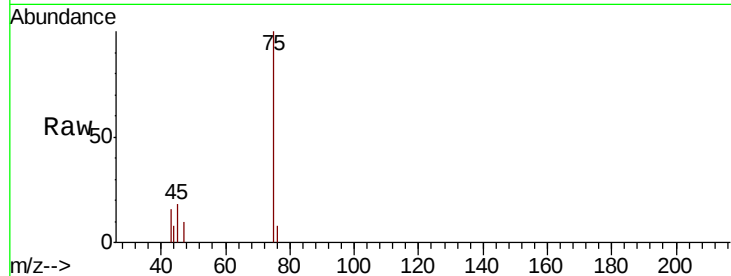




#25
2-Butanone
Concen: 1.659 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.02 min
Lab File: VN062882.D
Acq: 13 Aug 2020 2:19

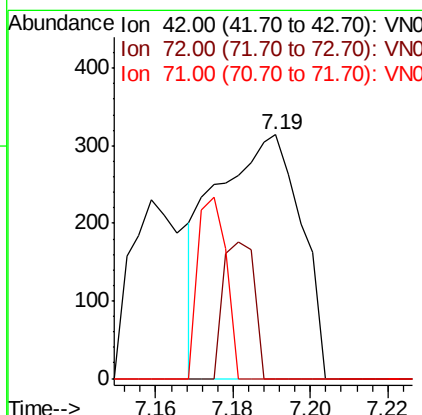
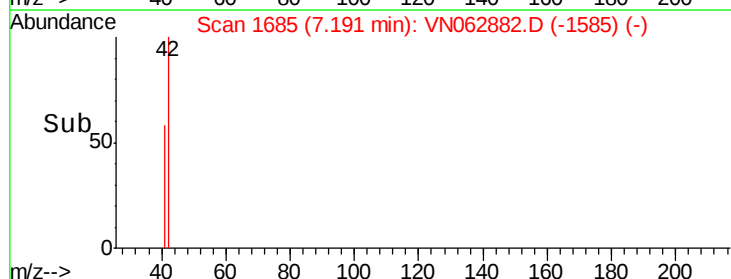
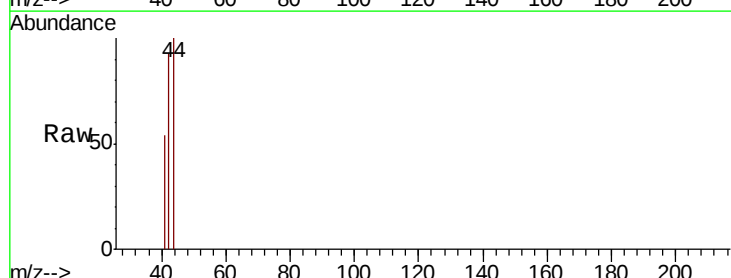
Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#12

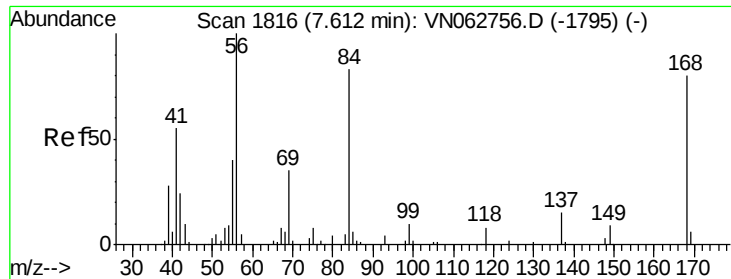
Tot Ion: 43 Resp: 2026
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#29
Tetrahydrofuran
Concen: 0.613 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.02 min
Lab File: VN062882.D
Acq: 13 Aug 2020 2:19

Tgt Ion: 42 Resp: 486
Ion Ratio Lower Upper
42 100
72 20.0 35.0 52.4#
71 24.5 33.2 49.8#

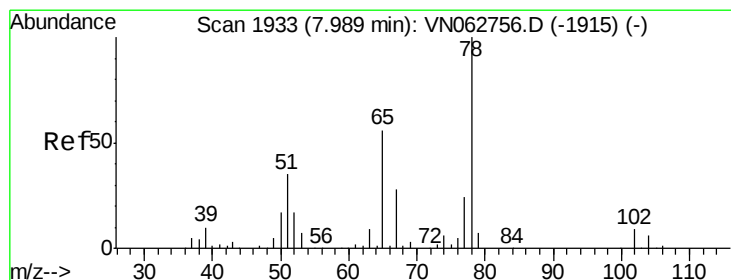
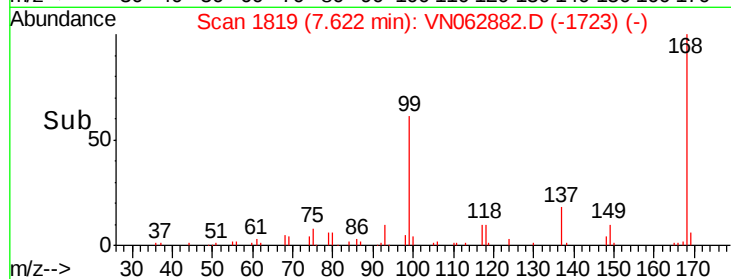
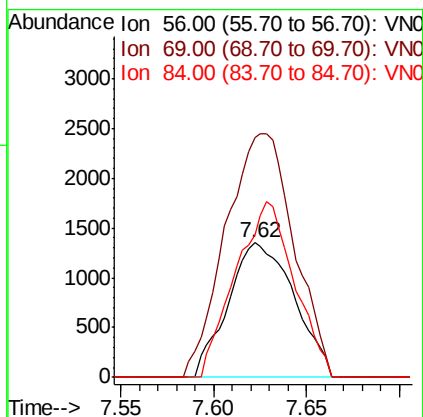
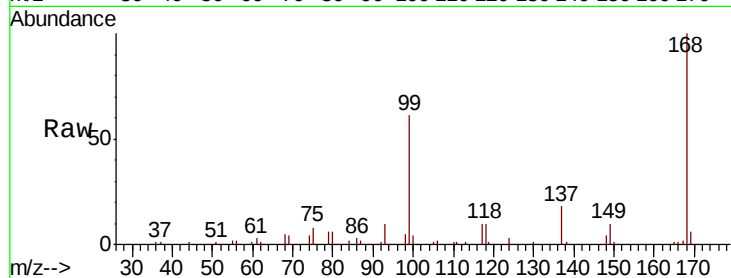




#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062882.D
Acq: 13 Aug 2020 2:19

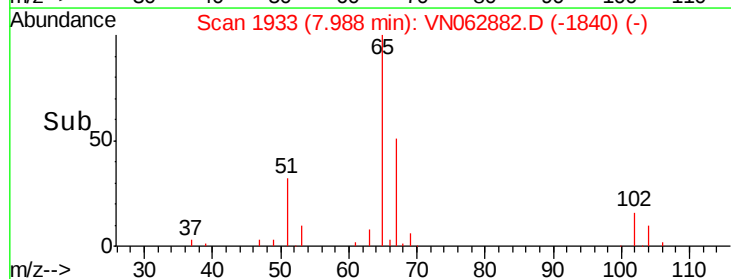
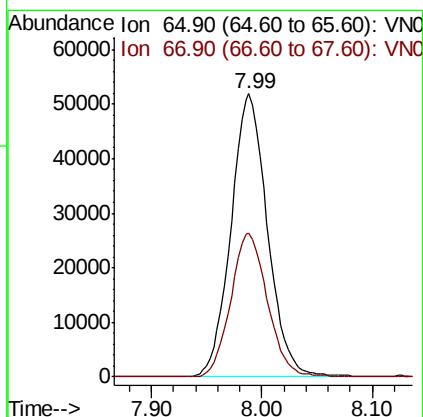
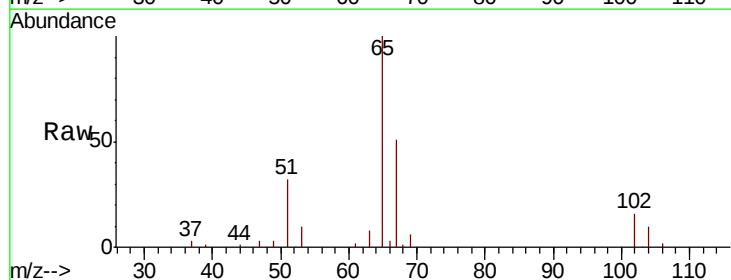
Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#12

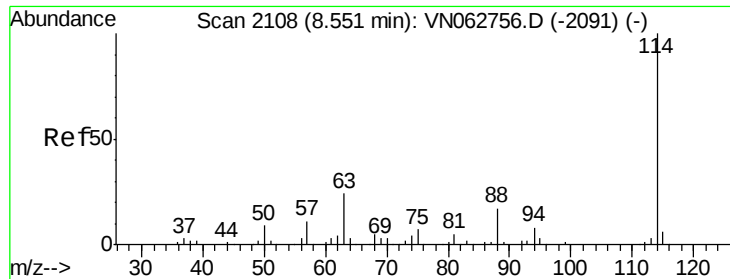
Tot Ion: 56 Resp: 3340
Ion Ratio Lower Upper
56 100
69 177.7 28.1 42.1#
84 105.6 66.8 100.2#



#33
1,2-Dichloroethane-d4
Concen: 49.790 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062882.D
Acq: 13 Aug 2020 2:19

Tgt Ion: 65 Resp: 118819
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.4

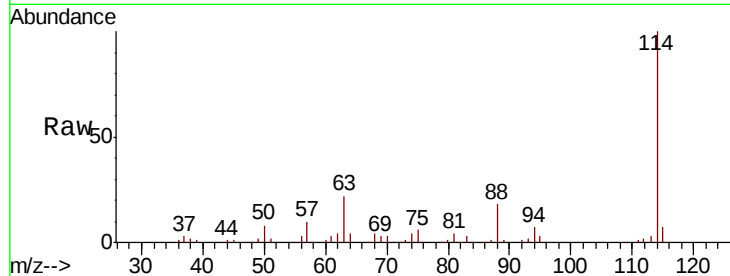




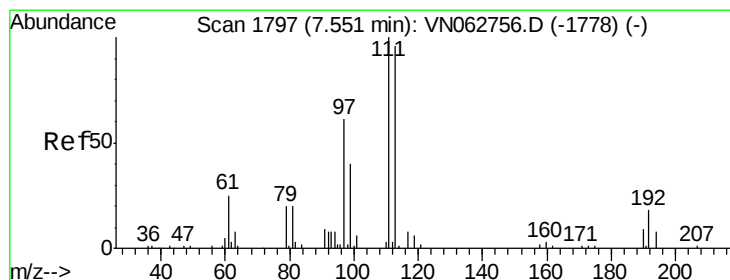
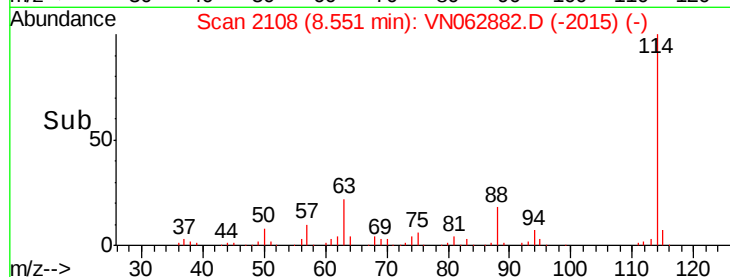
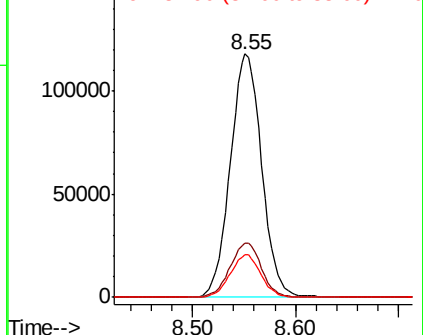
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062882.D
 Acq: 13 Aug 2020 2:19

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#12

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	47.6
88	17.6	0.0	34.4

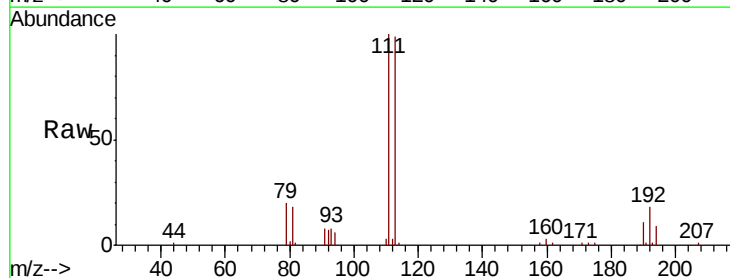


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

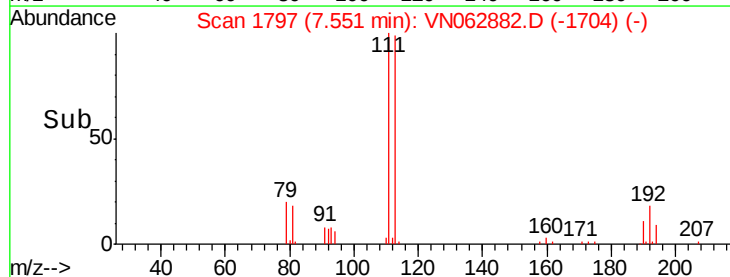
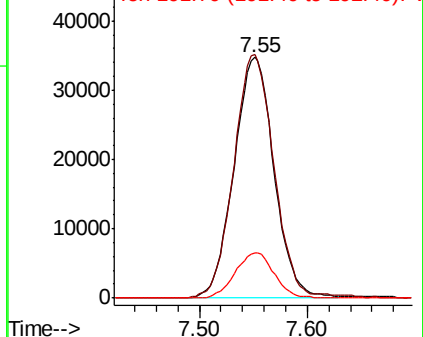


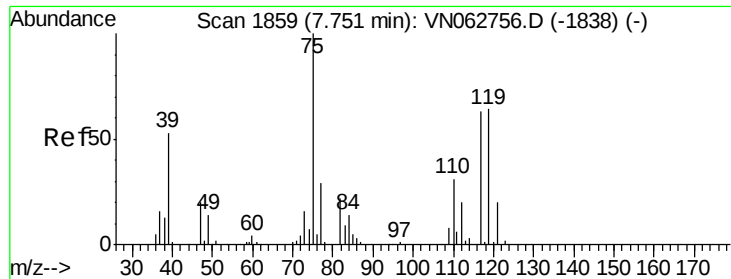
#35
 Dibromofluoromethane
 Concen: 52.421 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062882.D
 Acq: 13 Aug 2020 2:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	18.2	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: 5.083 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062882.D

Acq: 13 Aug 2020 2:19

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#12

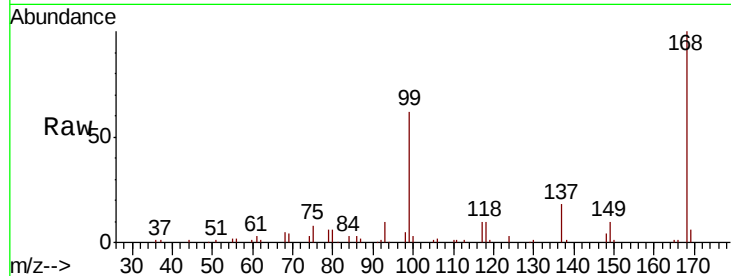
Tot Ion: 75 Resp: 12377

Ion Ratio Lower Upper

75 100

110 7.4 15.6 46.7#

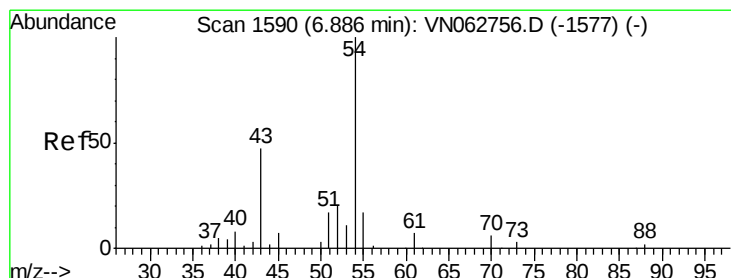
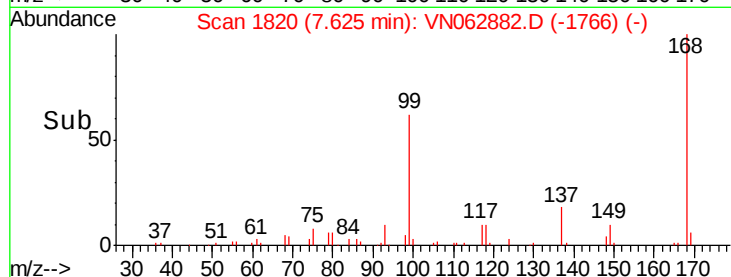
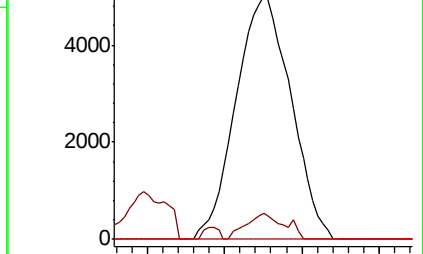
77 0.0 24.1 36.1#



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) (-)



#37

Ethyl Acetate

Concen: 0.797 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.08 min

Lab File: VN062882.D

Acq: 13 Aug 2020 2:19

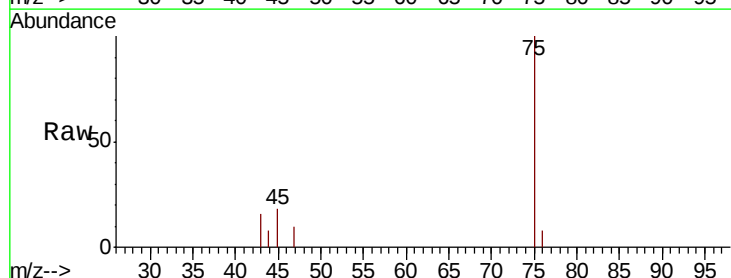
Tgt Ion: 43 Resp: 2026

Ion Ratio Lower Upper

43 100

61 13.5 12.1 18.1

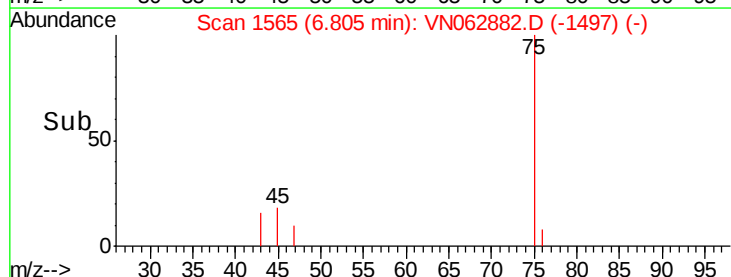
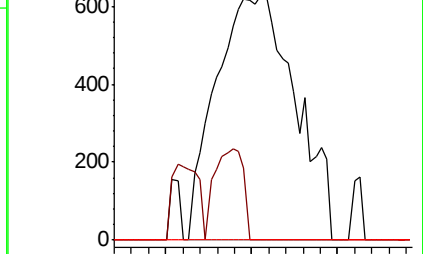
70 0.0 8.3 12.5#

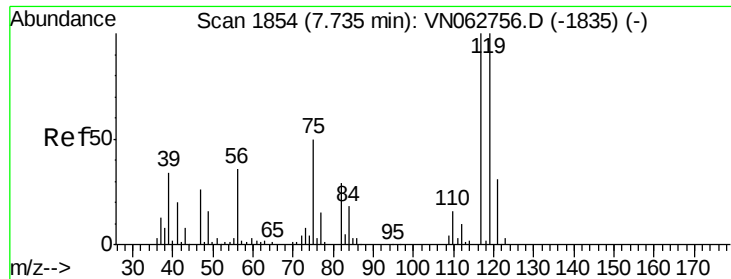


Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-1577) (-)

Ion 60.90 (60.60 to 61.60): VN062756.D (-1577) (-)

Ion 70.00 (69.70 to 70.70): VN062756.D (-1577) (-)

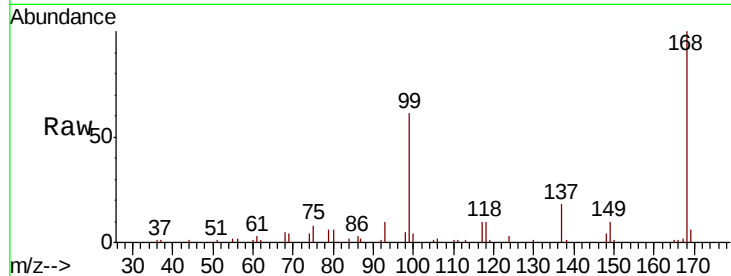




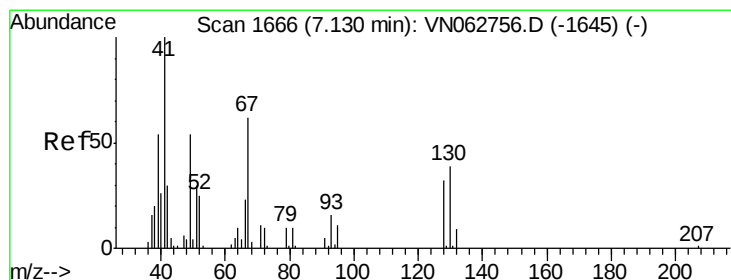
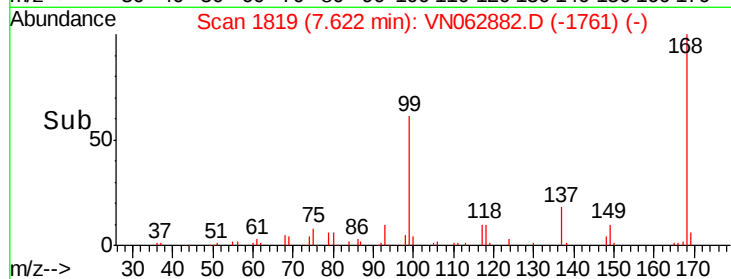
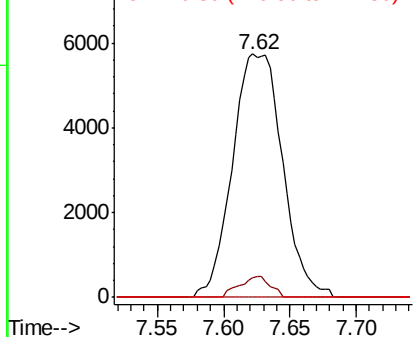
#38
Carbon Tetrachloride
Concen: 5.236 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. -0.11 min
Lab File: VN062882.D
Acq: 13 Aug 2020 2:19

Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#12

Tot Ion:117 Resp: 15079
Ion Ratio Lower Upper
117 100
119 8.1 79.4 119.2#
121 0.0 24.9 37.3#

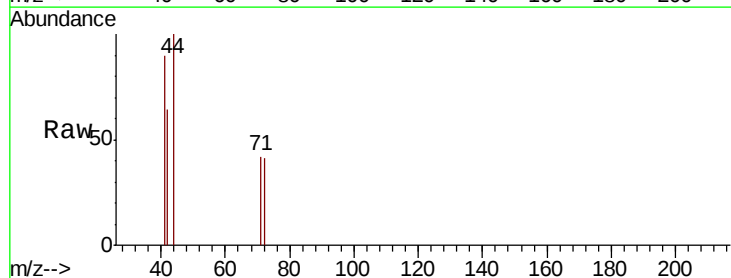


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

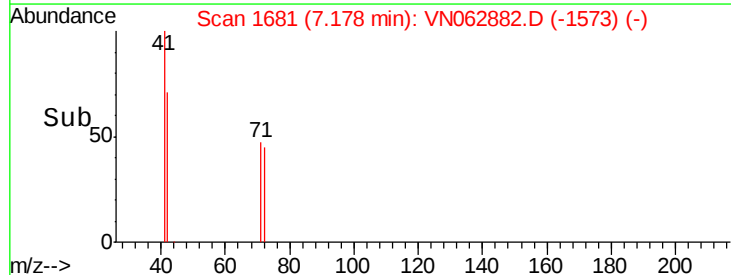
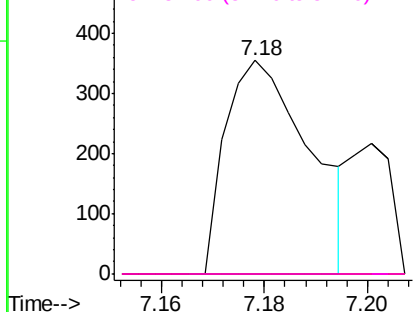


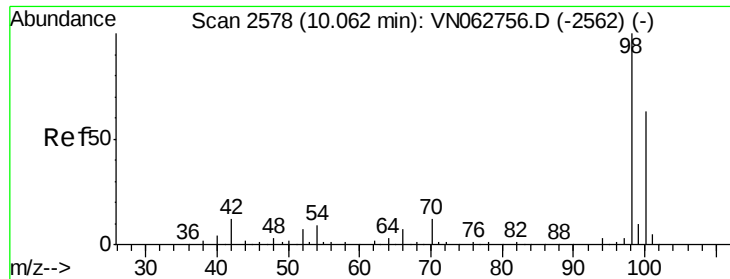
#41
Methacrylonitrile
Concen: 0.347 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.05 min
Lab File: VN062882.D
Acq: 13 Aug 2020 2:19

Tgt Ion: 41 Resp: 398
Ion Ratio Lower Upper
41 100
39 0.0 69.4 104.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): V
Ion 39.00 (38.70 to 39.70): V
Ion 67.00 (66.70 to 67.70): V
Ion 52.00 (51.70 to 52.70): V





#50

Toluene-d8

Concen: 49.213 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062882.D

Acq: 13 Aug 2020 2:19

Instrument :

MSVOA_N

ClientSampleId :

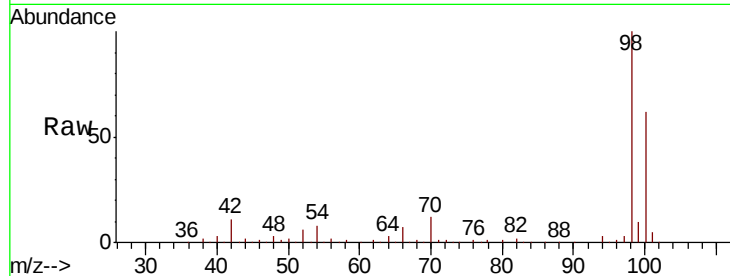
PB130908ZHE#12

Tot Ion: 98 Resp: 328642

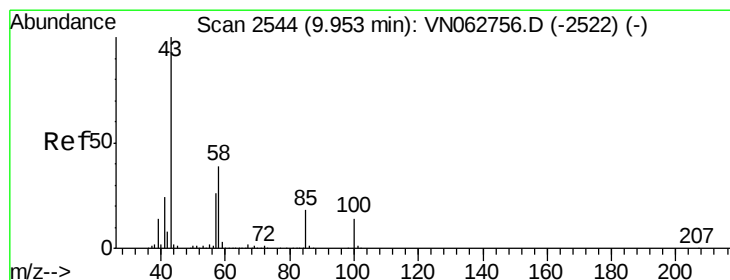
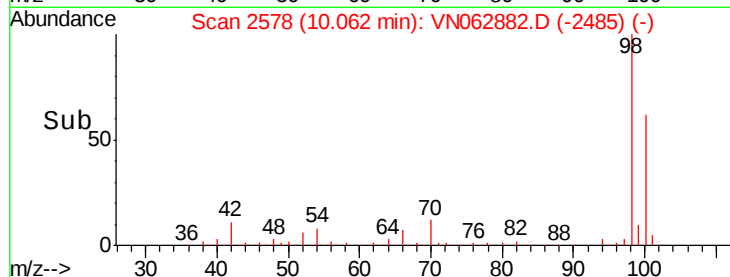
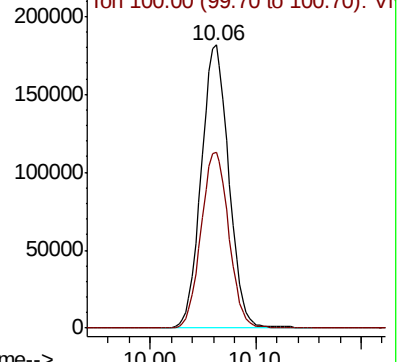
Ion Ratio Lower Upper

98 100

100 62.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062756.D (-2562) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.808 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062882.D

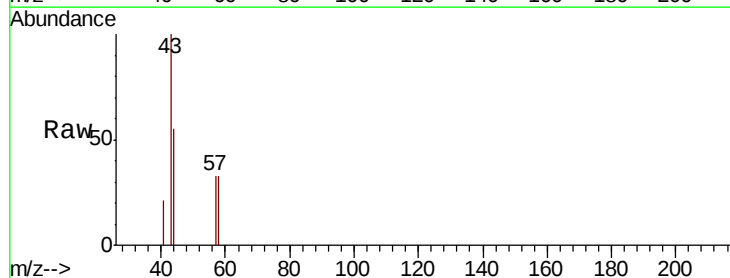
Acq: 13 Aug 2020 2:19

Tgt Ion: 43 Resp: 2218

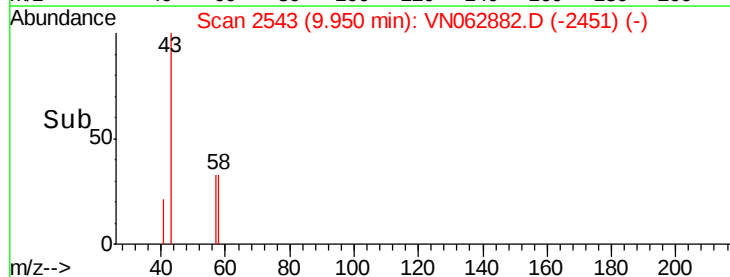
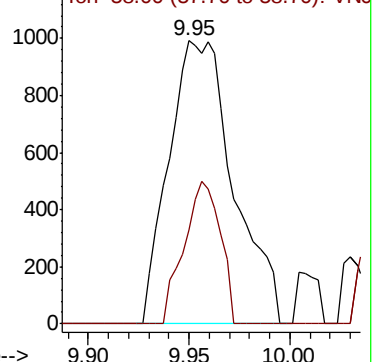
Ion Ratio Lower Upper

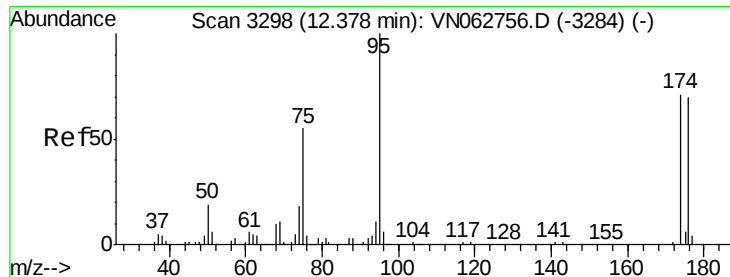
43 100

58 28.4 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-2522) (-)





#62

4-Bromofluorobenzene

Concen: 46.697 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062882.D

Acq: 13 Aug 2020 2:19

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#12

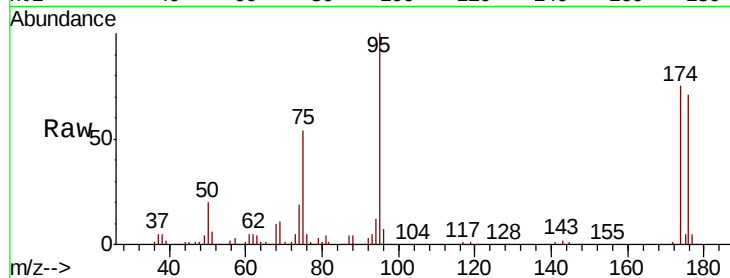
Tot Ion: 95 Resp: 117843

Ion Ratio Lower Upper

95 100

174 75.9 0.0 144.8

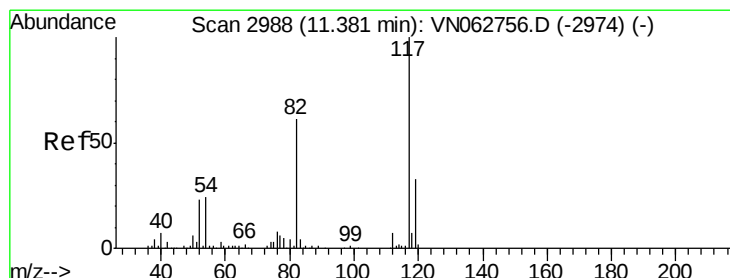
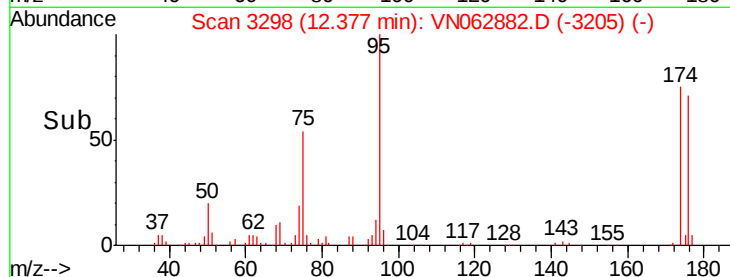
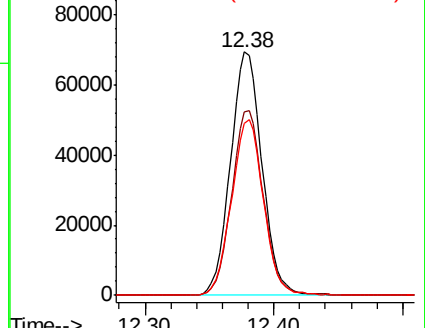
176 72.9 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062756.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062756.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062756.D (-3284) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062882.D

Acq: 13 Aug 2020 2:19

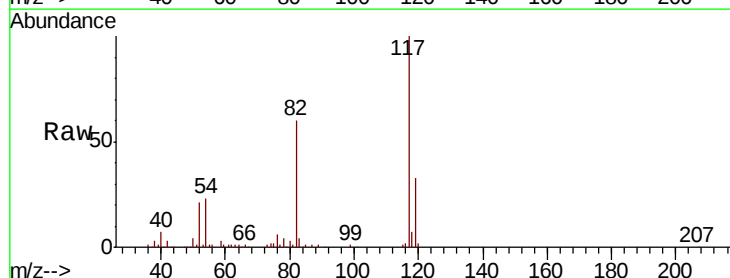
Tgt Ion: 117 Resp: 254210

Ion Ratio Lower Upper

117 100

82 60.3 49.0 73.4

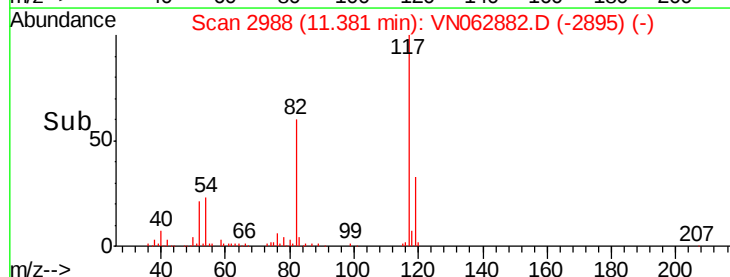
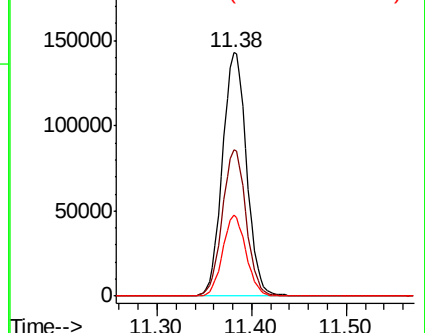
119 33.2 26.2 39.2

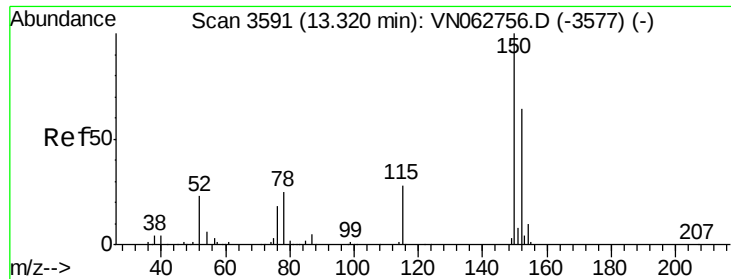


Abundance Ion 116.90 (116.60 to 117.60): VN062756.D (-2974) (-)

Ion 82.00 (81.70 to 82.70): VN062756.D (-2974) (-)

Ion 118.90 (118.60 to 119.60): VN062756.D (-2974) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062882.D

Acq: 13 Aug 2020 2:19

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#12

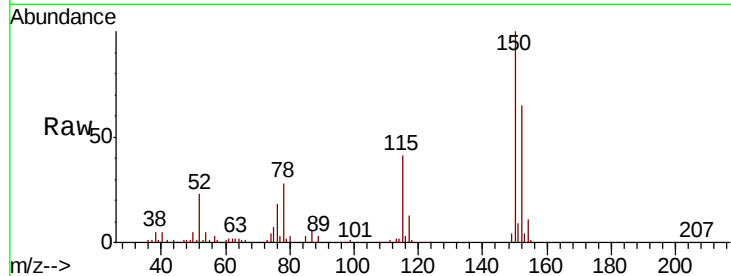
Tot Ion:152 Resp: 95459

Ion Ratio Lower Upper

152 100

115 64.2 31.6 94.8

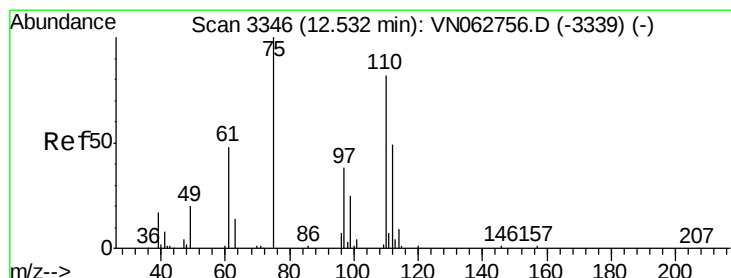
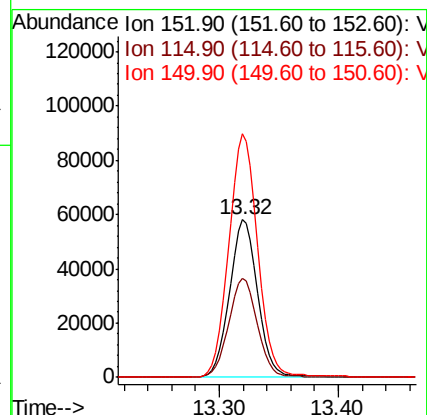
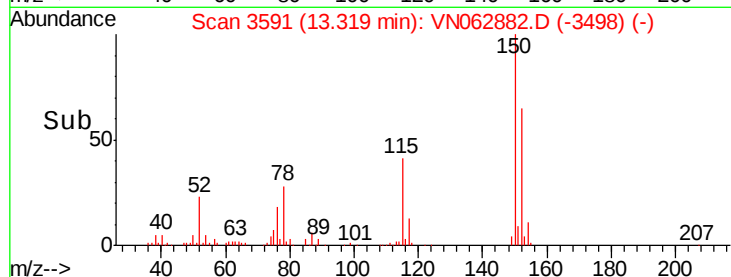
150 157.0 0.0 349.2



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: 24.104 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062882.D

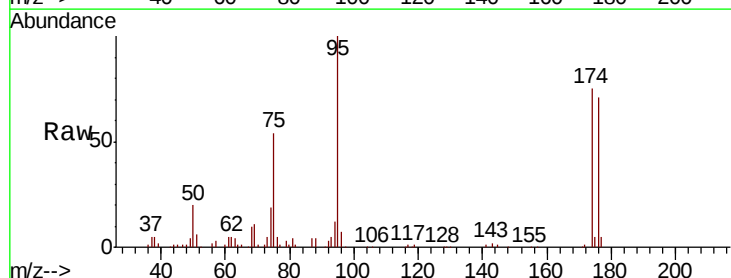
Acq: 13 Aug 2020 2:19

Tgt Ion: 75 Resp: 62053

Ion Ratio Lower Upper

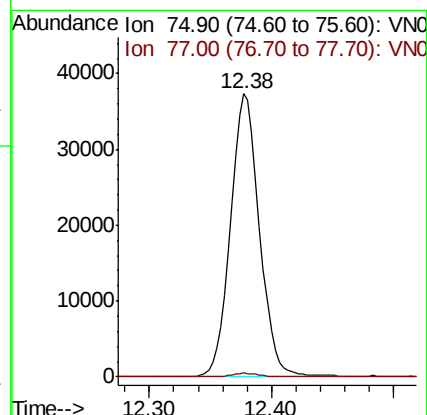
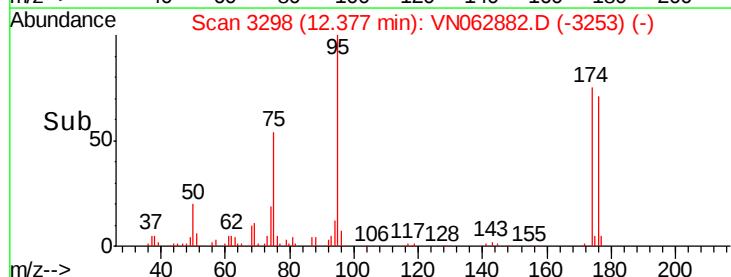
75 100

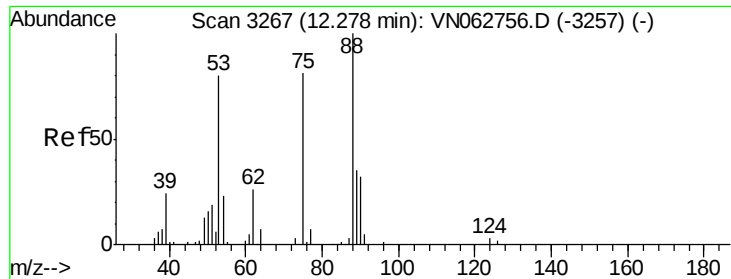
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.582 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062882.D

Acq: 13 Aug 2020 2:19

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#12

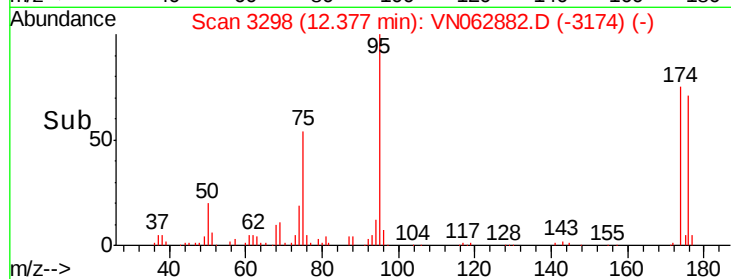
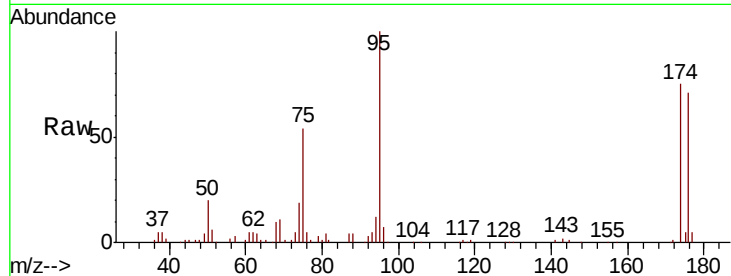
Tot Ion: 75 Resp: 62053

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

