

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062883.D
 Acq On : 13 Aug 2020 2:43
 Operator : JC/MD
 Sample : PB130908ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#13

Quant Time: Aug 13 05:29:19 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	139347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	246807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	248233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	91328	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	118359	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
35) Dibromofluoromethane	7.55	113	86585	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
50) Toluene-d8	10.06	98	324965	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.38	95	114235	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	

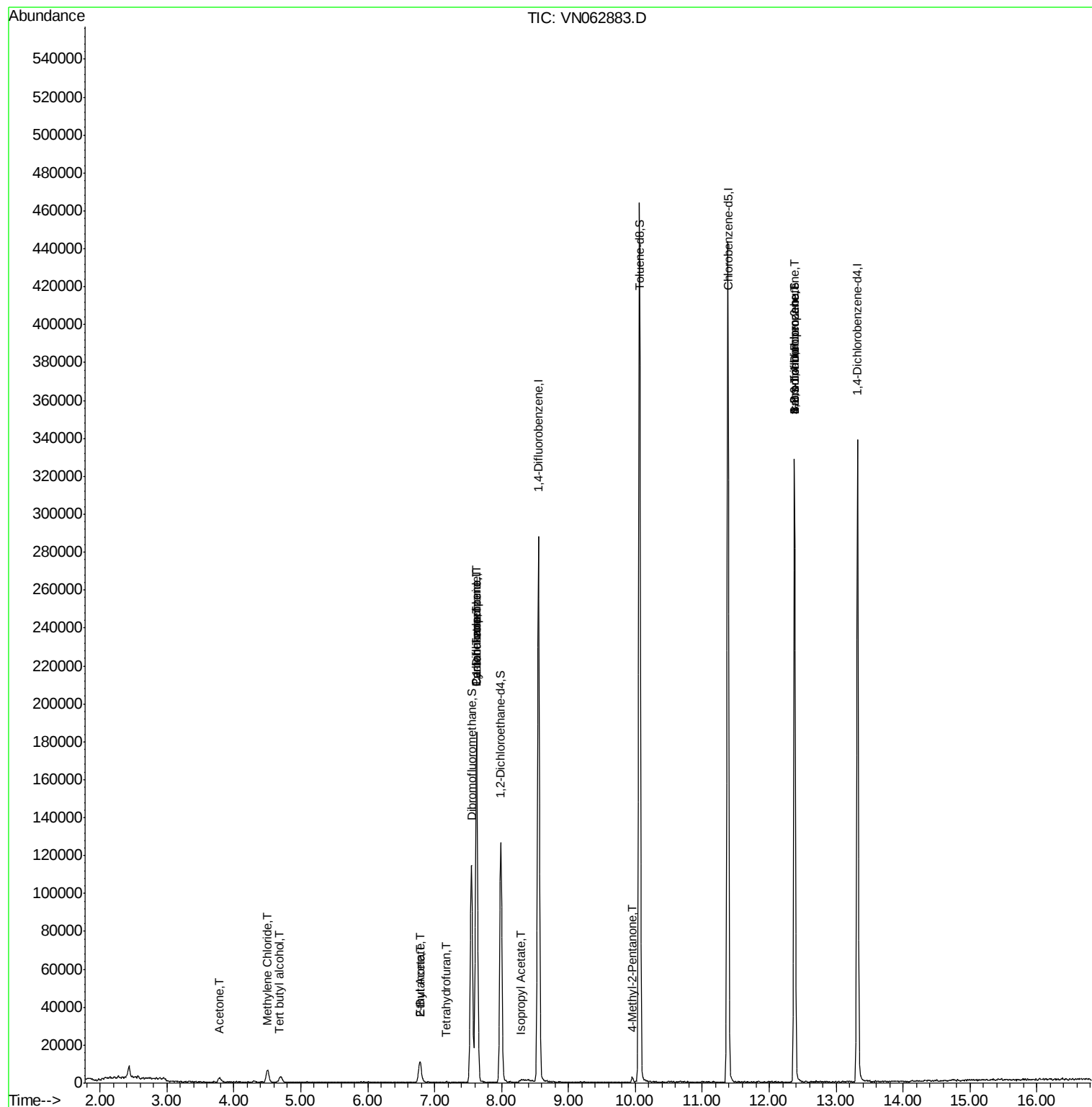
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.68	59	1043	2.762	ug/l #	72
16) Acetone	3.79	43	4330	5.200	ug/l	93
17) Carbon Disulfide	4.00	76	101	Below Cal	#	74
18) Methyl Acetate	4.30	43	1108	Below Cal	#	58
20) Methylene Chloride	4.50	84	5388	2.819	ug/l	87
25) 2-Butanone	6.78	43	851	0.722	ug/l #	49
29) Tetrahydrofuran	7.18	42	753	0.983	ug/l #	33
31) Cyclohexane	7.63	56	2927	1.048	ug/l #	12
36) 1,1-Dichloropropene	7.63	75	12329	5.130	ug/l #	50
37) Ethyl Acetate	6.78	43	851	0.339	ug/l #	47
38) Carbon Tetrachloride	7.63	117	15321	5.390	ug/l #	15
43) Isopropyl Acetate	8.28	43	858	0.205	ug/l #	61
51) 4-Methyl-2-Pentanone	9.96	43	2120	0.783	ug/l	91
71) Bromoform	12.38	173	667	0.391	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	62101	25.213	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	62101	76.970	ug/l #	10

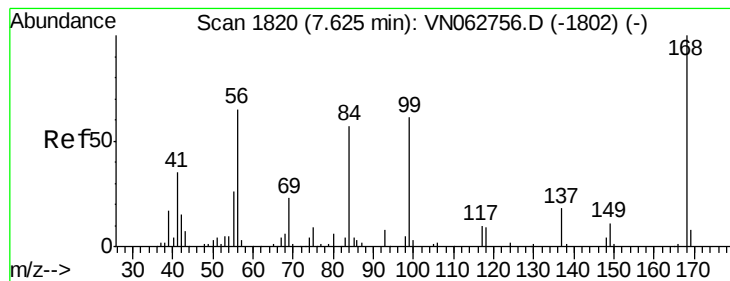
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062883.D

Acq: 13 Aug 2020 2:43

Instrument :

MSVOA_N

ClientSampleId :

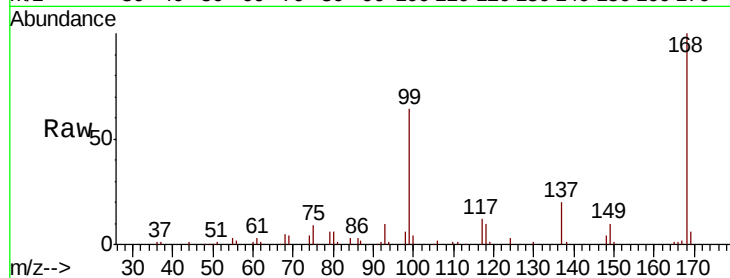
PB130908ZHE#13

Tot Ion:168 Resp: 139347

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

7.63

60000

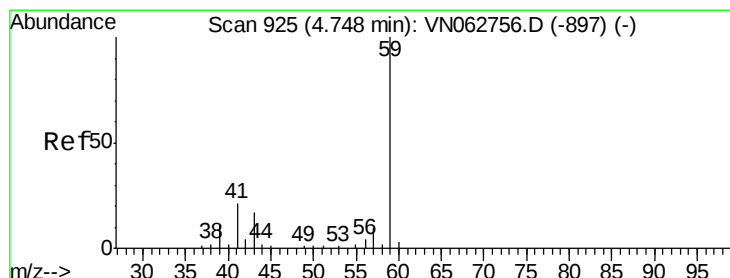
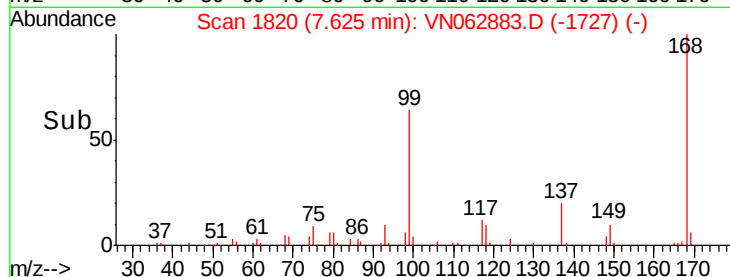
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 2.762 ug/l

RT: 4.68 min Scan# 903

Delta R.T. -0.07 min

Lab File: VN062883.D

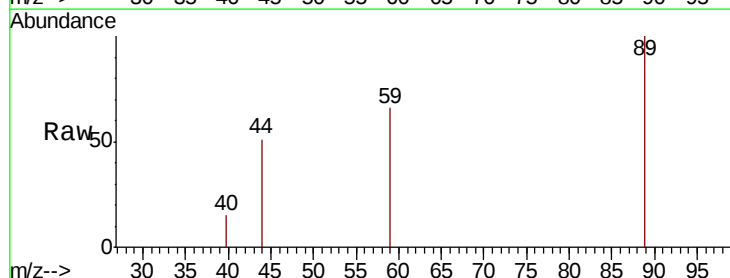
Acq: 13 Aug 2020 2:43

Tgt Ion: 59 Resp: 1043

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.68

1000

800

600

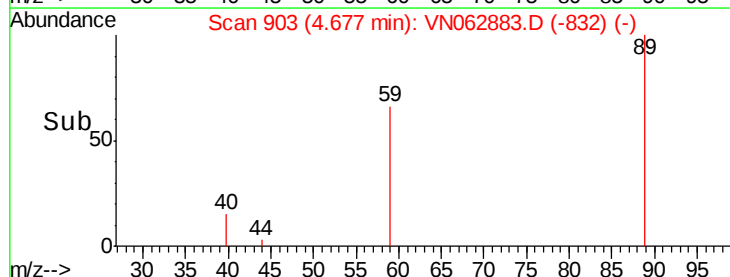
400

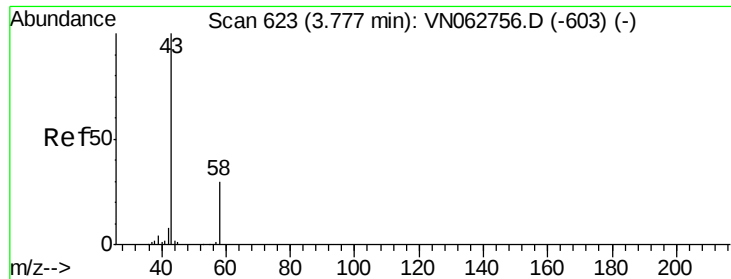
200

0

Time-->

4.64 4.66 4.68

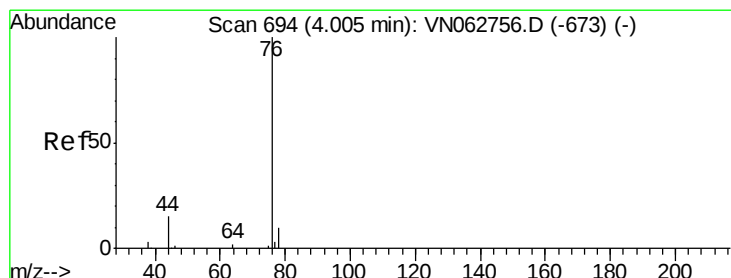
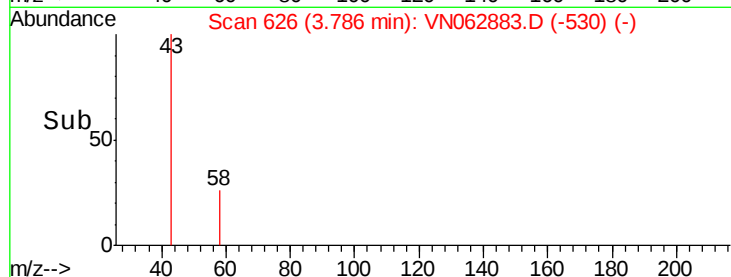
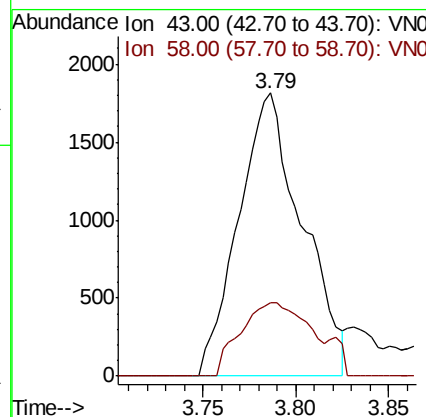
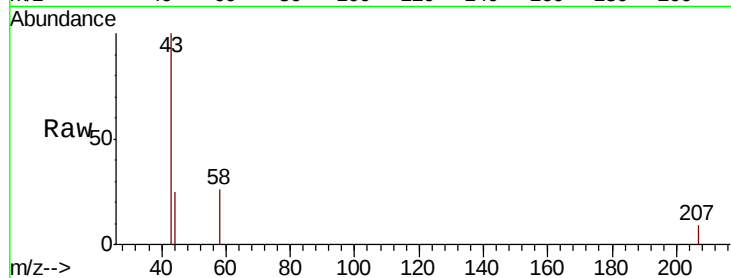




#16
Acetone
Concen: 5.200 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN062883.D
Acq: 13 Aug 2020 2:43

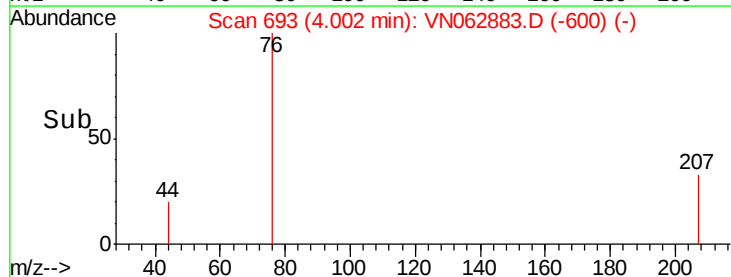
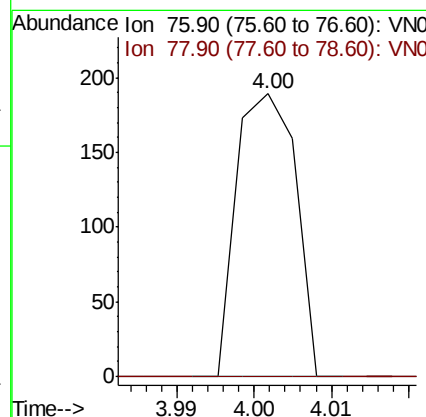
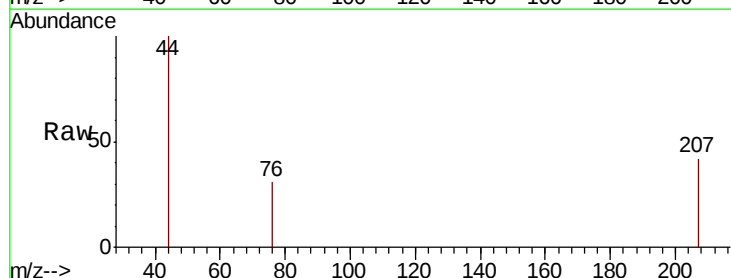
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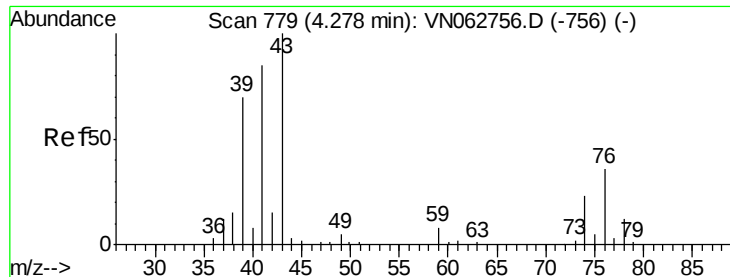
Tot Ion: 43 Resp: 4330
Ion Ratio Lower Upper
43 100
58 26.2 24.1 36.1



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.00 min Scan# 693
Delta R.T. -0.00 min
Lab File: VN062883.D
Acq: 13 Aug 2020 2:43

Tgt Ion: 76 Resp: 101
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

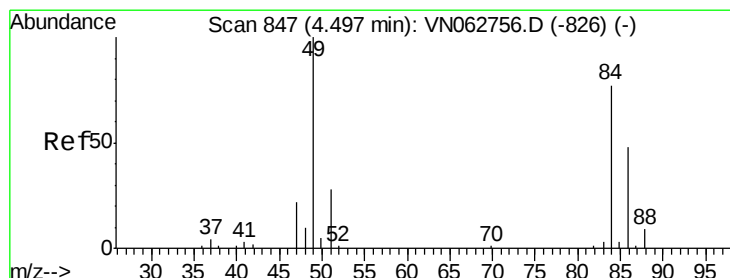
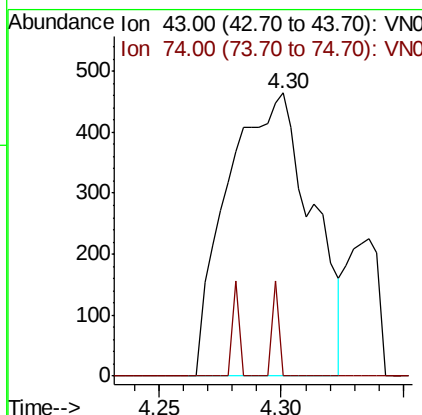
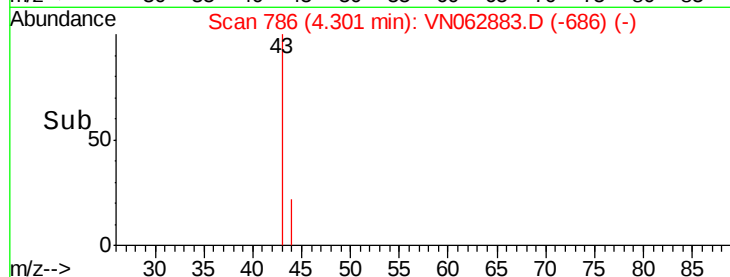
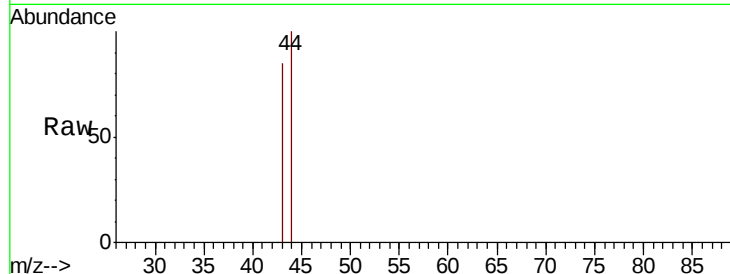




#18
Methyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 786
Delta R.T. 0.02 min
Lab File: VN062883.D
Acq: 13 Aug 2020 2:43

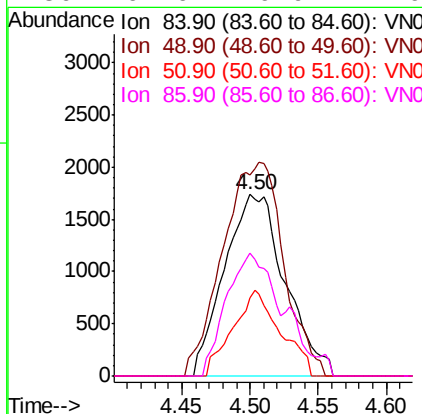
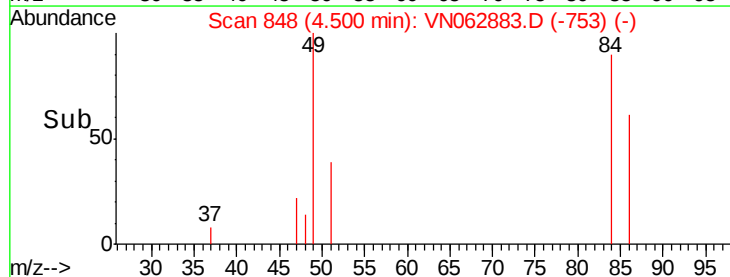
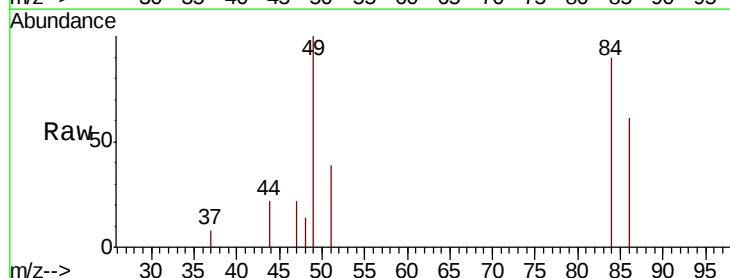
Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#13

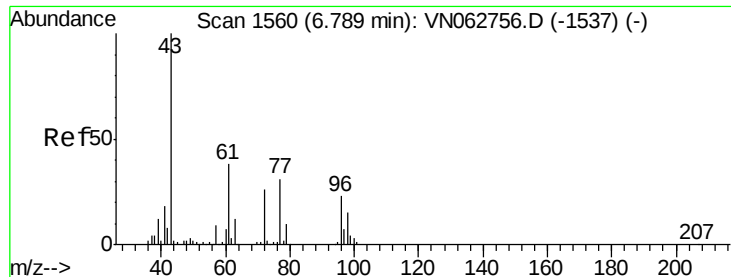
Tot Ion: 43 Resp: 1108
Ion Ratio Lower Upper
43 100
74 2.7 18.6 28.0#



#20
Methylene Chloride
Concen: 2.819 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062883.D
Acq: 13 Aug 2020 2:43

Tgt Ion: 84 Resp: 5388
Ion Ratio Lower Upper
84 100
49 110.8 103.4 155.2
51 42.9 29.3 43.9
86 67.6 49.9 74.9

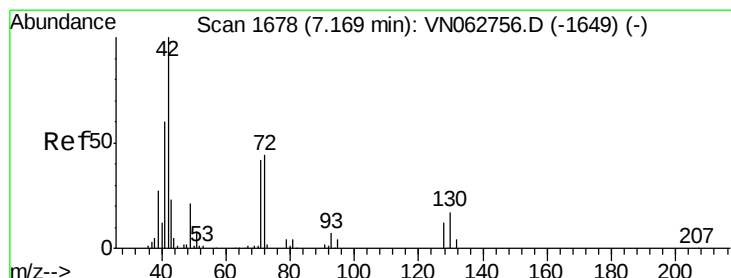
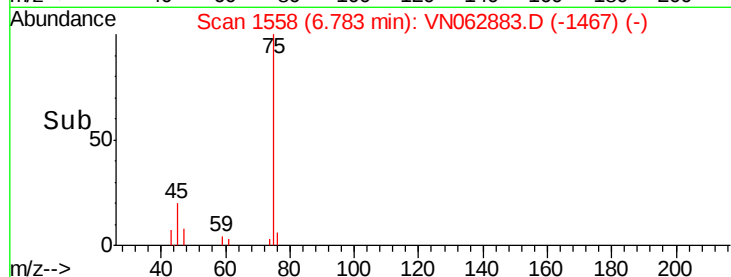
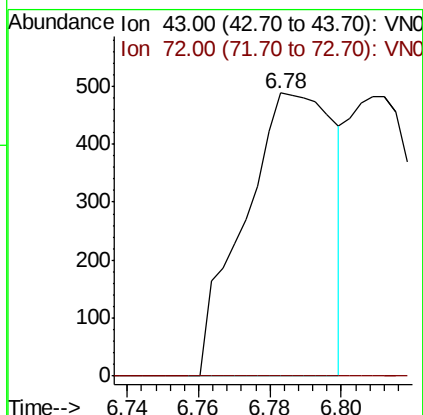
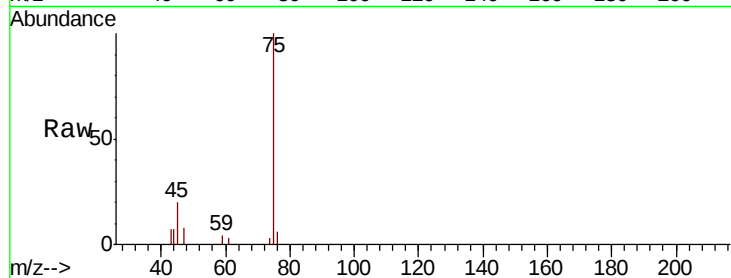




#25
2-Butanone
Concen: 0.722 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VN062883.D
Acq: 13 Aug 2020 2:43

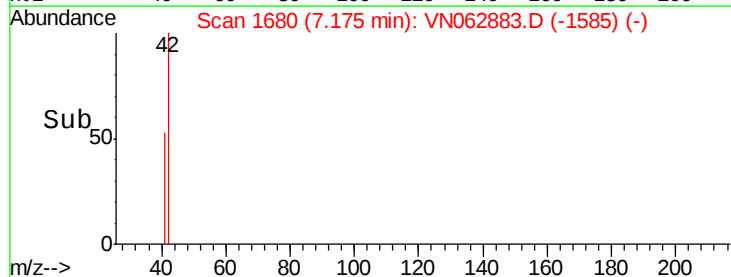
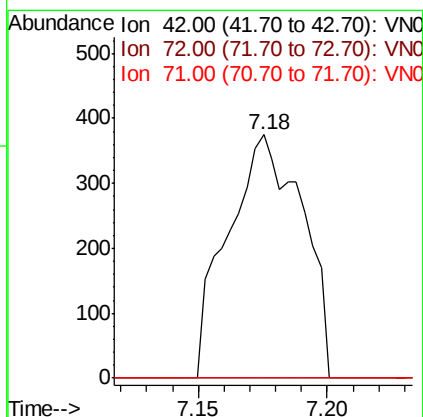
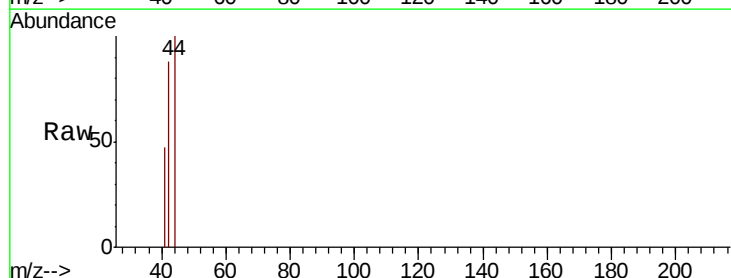
Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#13

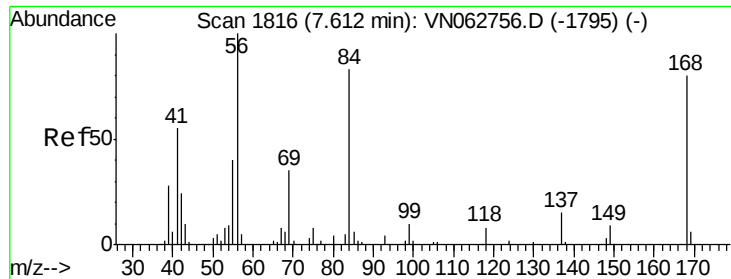
Tot Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#29
Tetrahydrofuran
Concen: 0.983 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN062883.D
Acq: 13 Aug 2020 2:43

Tgt Ion: 42 Resp: 753
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 33.2 49.8#

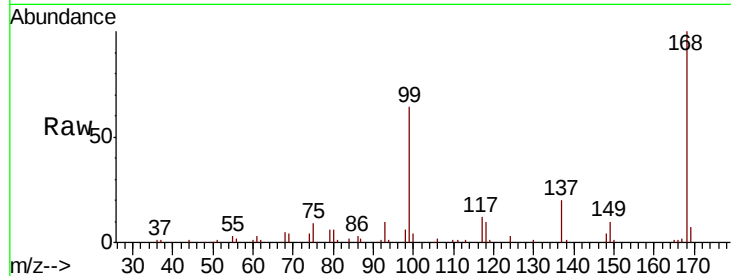




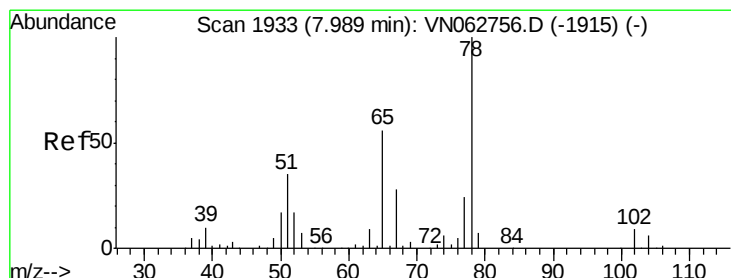
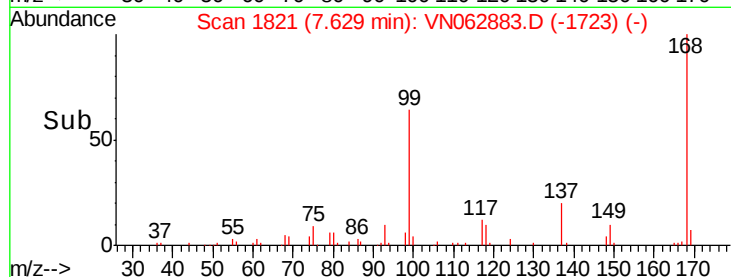
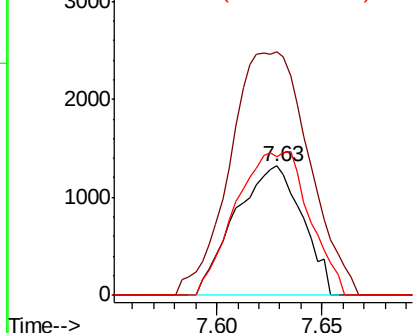
#31
Cyclohexane
Concen: 1.048 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062883.D
Acq: 13 Aug 2020 2:43

Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#13

Tot Ion: 56 Resp: 2927
Ion Ratio Lower Upper
56 100
69 173.6 28.1 42.1#
84 106.6 66.8 100.2#

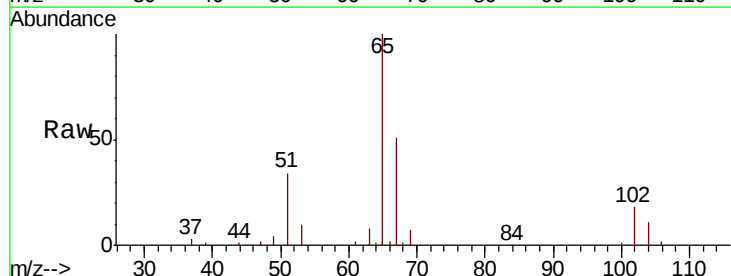


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

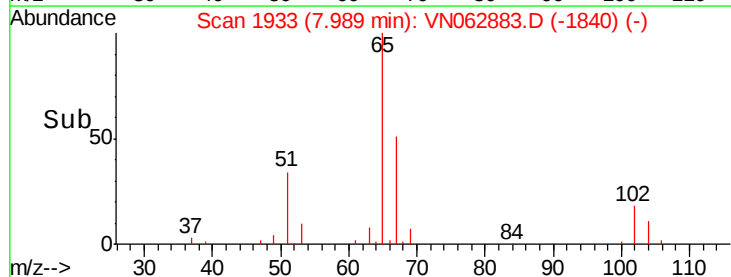
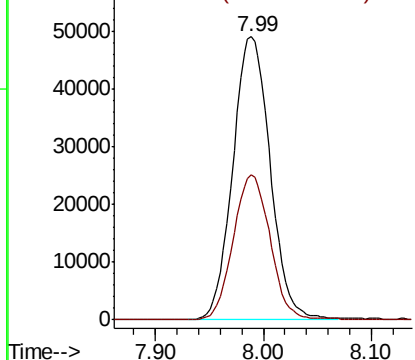


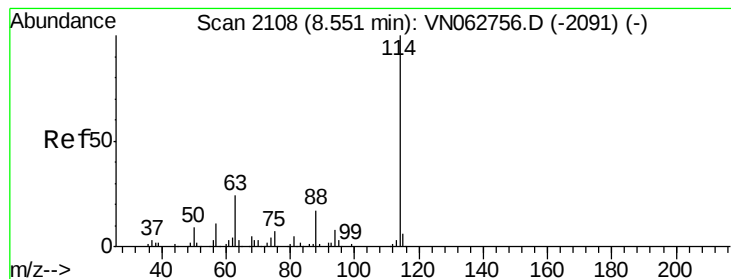
#33
1,2-Dichloroethane-d4
Concen: 51.363 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062883.D
Acq: 13 Aug 2020 2:43

Tgt Ion: 65 Resp: 118359
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062883.D

Acq: 13 Aug 2020 2:43

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#13

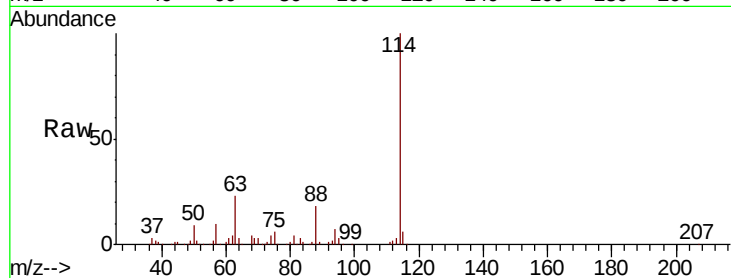
Tot Ion:114 Resp: 246807

Ion Ratio Lower Upper

114 100

63 23.4 0.0 47.6

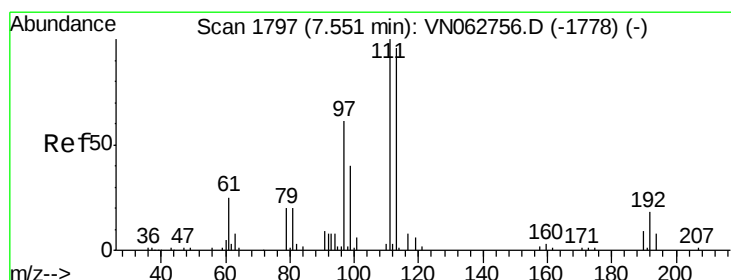
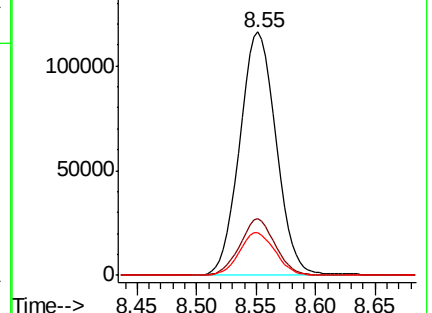
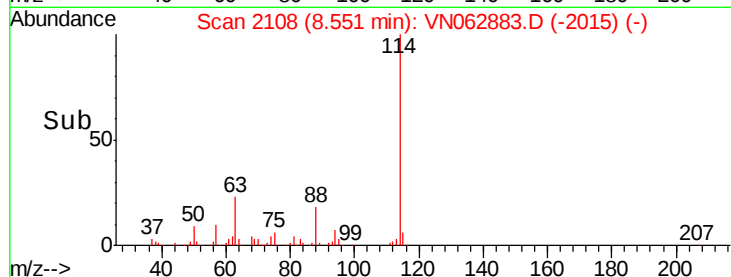
88 17.6 0.0 34.4



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: 51.285 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062883.D

Acq: 13 Aug 2020 2:43

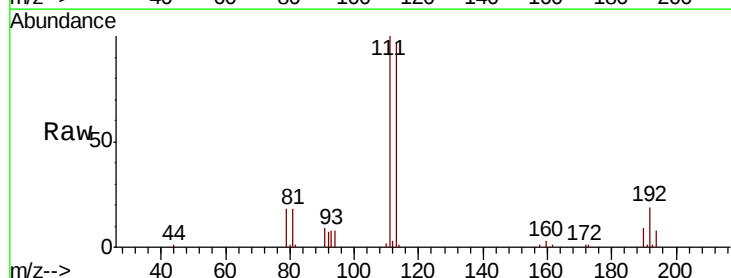
Tgt Ion:113 Resp: 86585

Ion Ratio Lower Upper

113 100

111 104.2 81.8 122.6

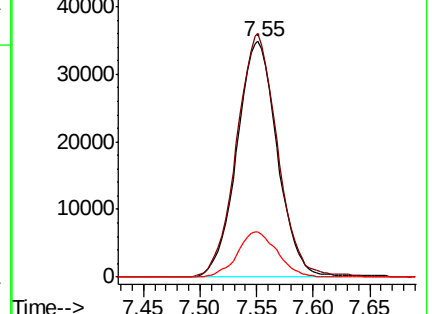
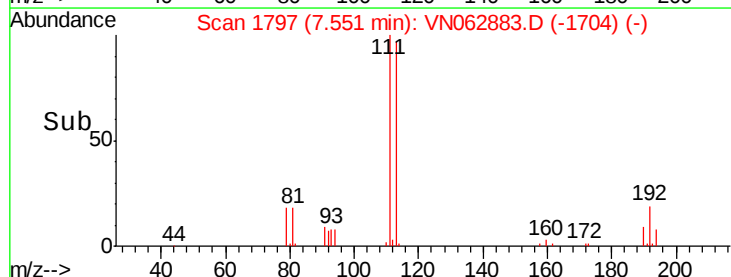
192 19.1 15.0 22.4

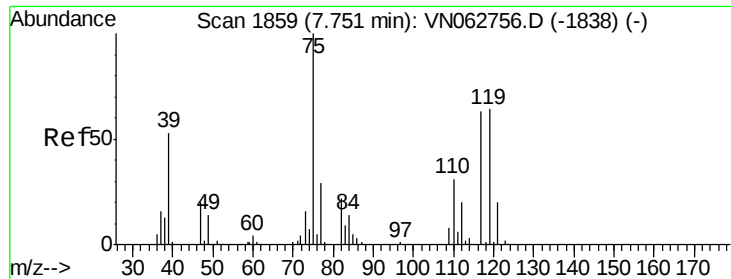


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

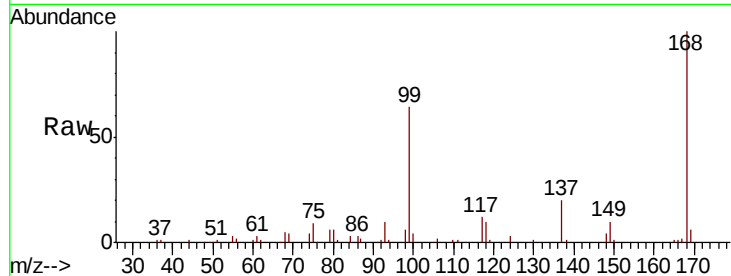




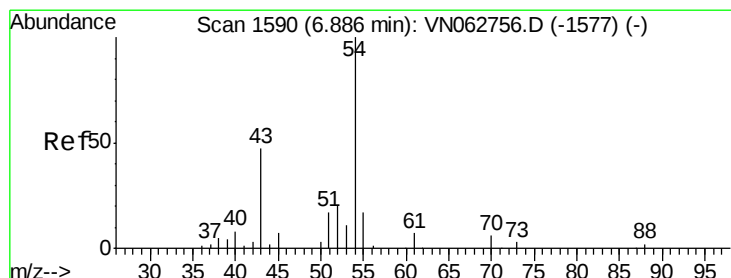
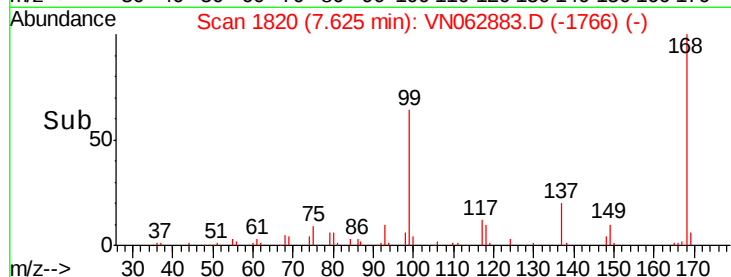
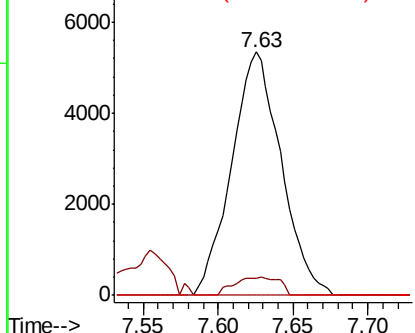
#36
 1,1-Dichloropropene
 Concen: 5.130 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062883.D
 Acq: 13 Aug 2020 2:43

Instrument :
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Tot Ion	Ratio	Lower	Upper
75	100		
110	6.8	15.6	46.7#
77	0.0	24.1	36.1#

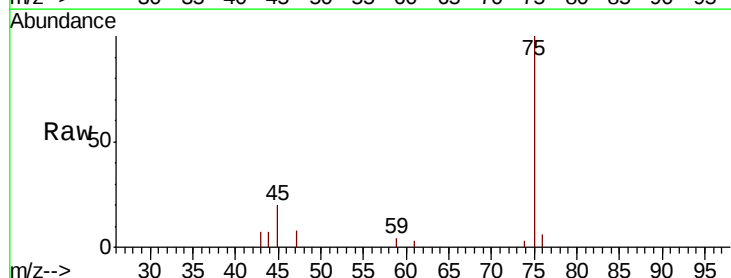


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

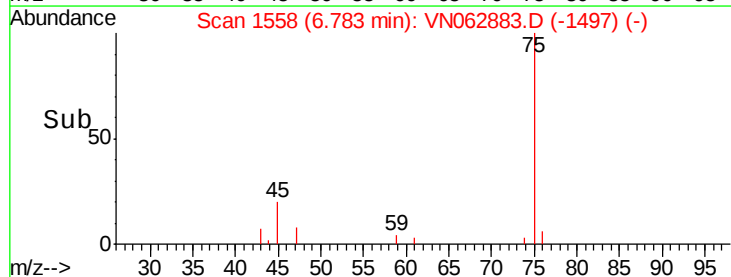
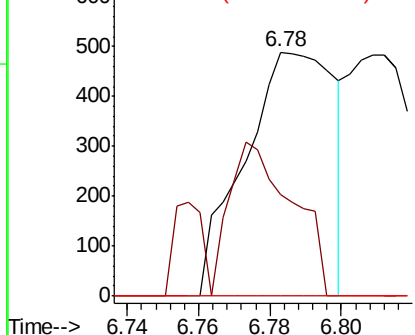


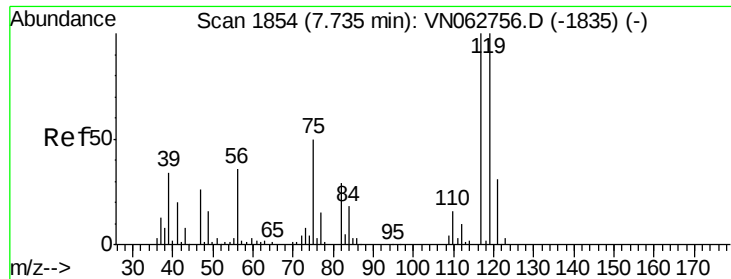
#37
 Ethyl Acetate
 Concen: 0.339 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.10 min
 Lab File: VN062883.D
 Acq: 13 Aug 2020 2:43

Tgt Ion	Ratio	Lower	Upper
43	100		
61	44.4	12.1	18.1#
70	0.0	8.3	12.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.390 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062883.D

Acq: 13 Aug 2020 2:43

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#13

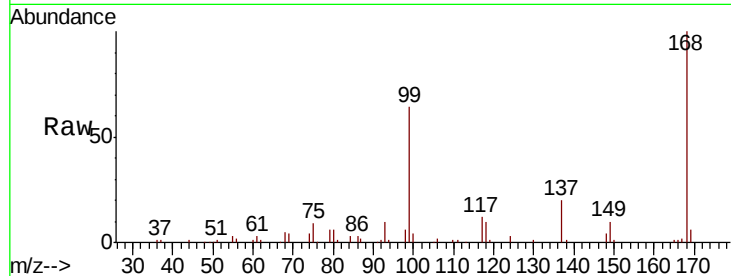
Tot Ion:117 Resp: 15321

Ion Ratio Lower Upper

117 100

119 5.1 79.4 119.2#

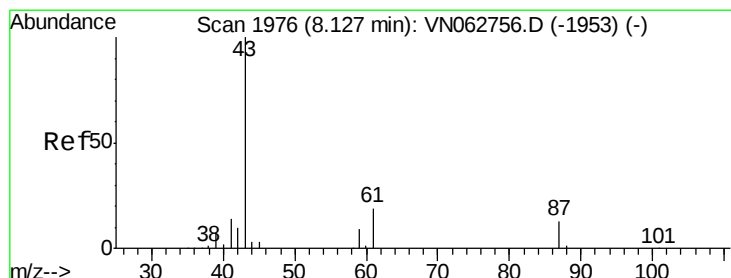
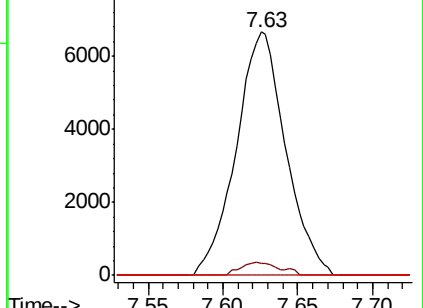
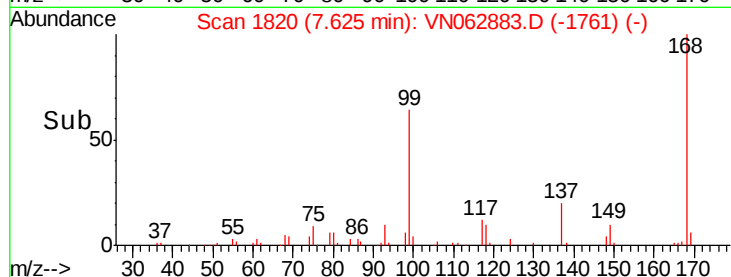
121 0.0 24.9 37.3#



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



#43

Isopropyl Acetate

Concen: 0.205 ug/l

RT: 8.28 min Scan# 2023

Delta R.T. 0.15 min

Lab File: VN062883.D

Acq: 13 Aug 2020 2:43

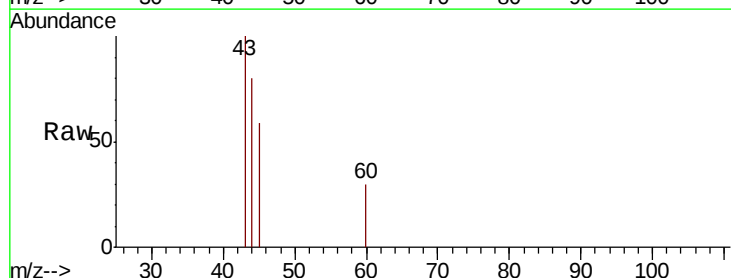
Tgt Ion: 43 Resp: 858

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

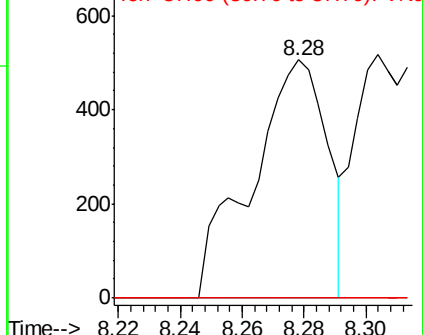
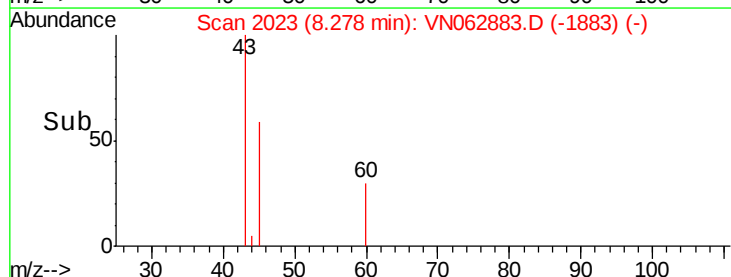
87 0.0 9.9 14.9#

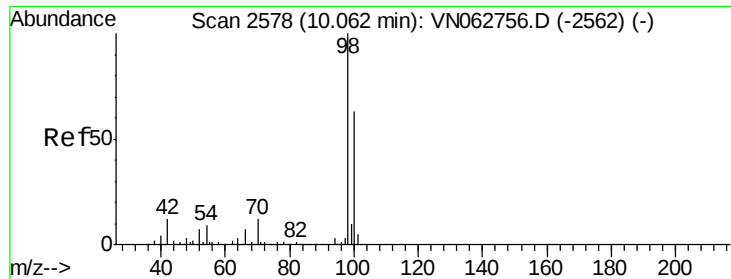


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 49.302 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062883.D

Acq: 13 Aug 2020 2:43

Instrument :

MSVOA_N

ClientSampleId :

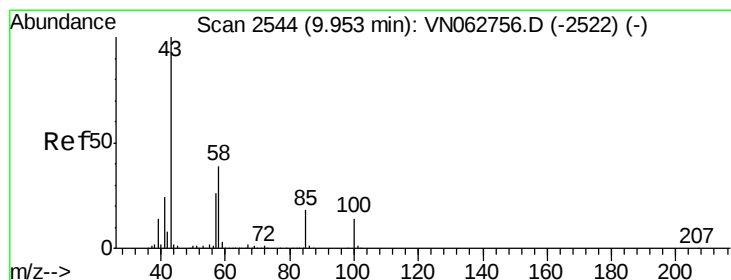
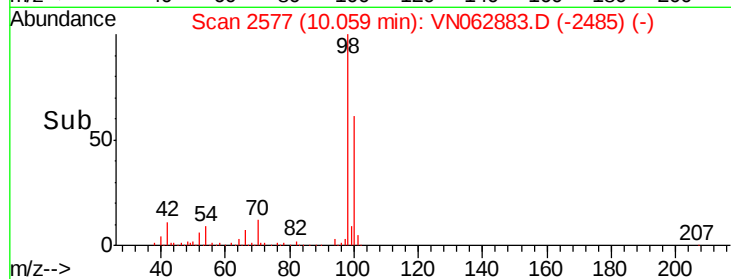
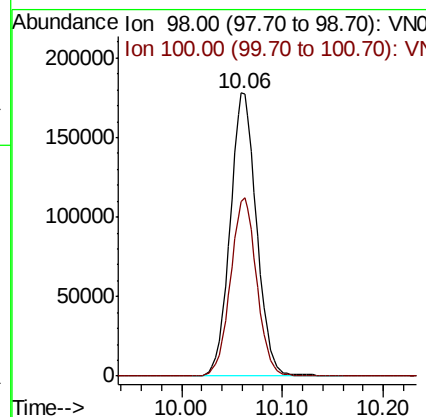
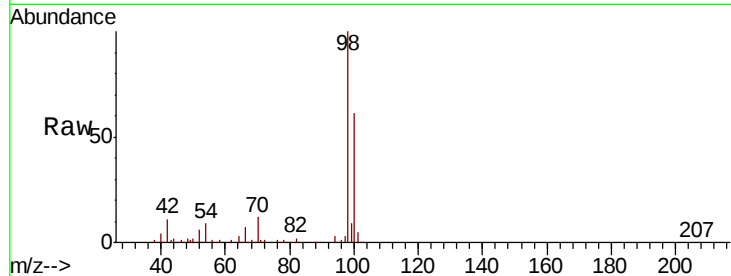
PB130908ZHE#13

Tot Ion: 98 Resp: 324965

Ion Ratio Lower Upper

98 100

100 62.5 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.783 ug/l

RT: 9.96 min Scan# 2546

Delta R.T. 0.01 min

Lab File: VN062883.D

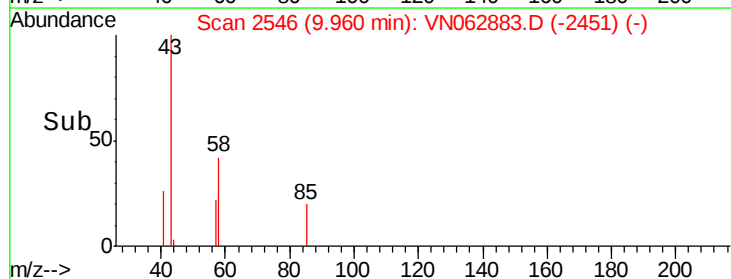
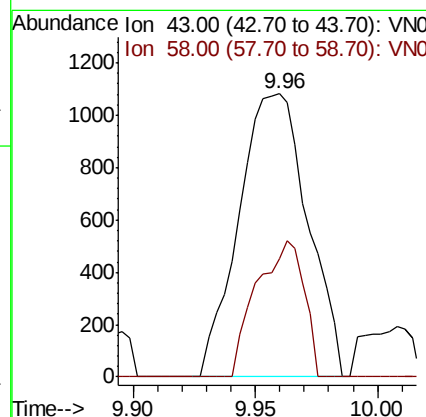
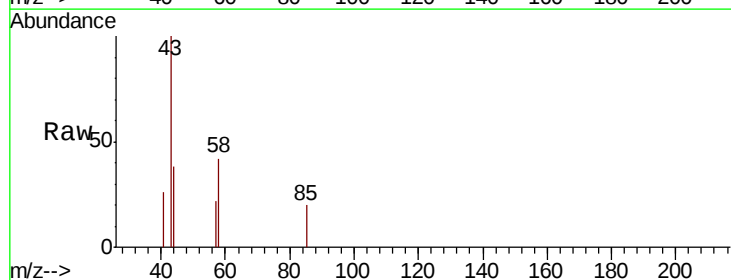
Acq: 13 Aug 2020 2:43

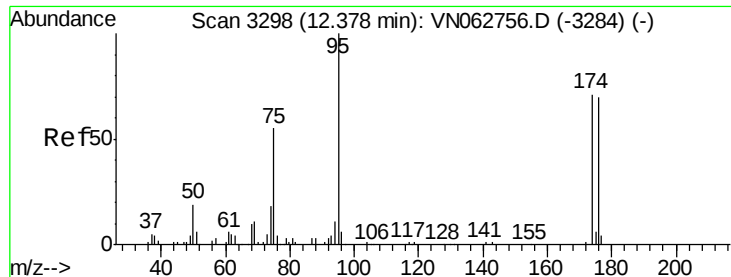
Tgt Ion: 43 Resp: 2120

Ion Ratio Lower Upper

43 100

58 33.3 31.1 46.7





#62

4-Bromofluorobenzene

Concen: 45.862 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062883.D

Acq: 13 Aug 2020 2:43

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#13

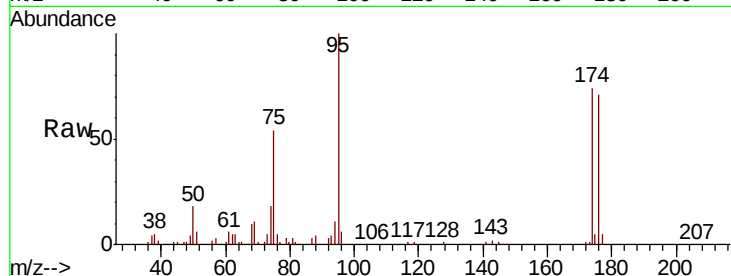
Tot Ion: 95 Resp: 114235

Ion Ratio Lower Upper

95 100

174 75.3 0.0 144.8

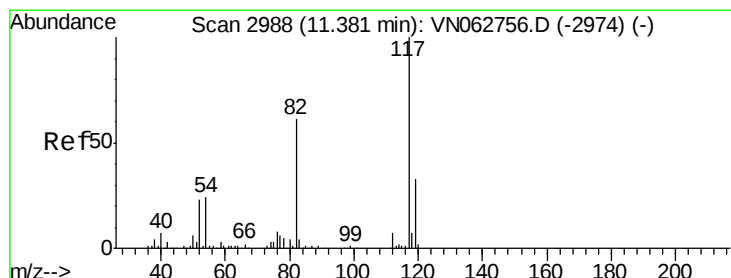
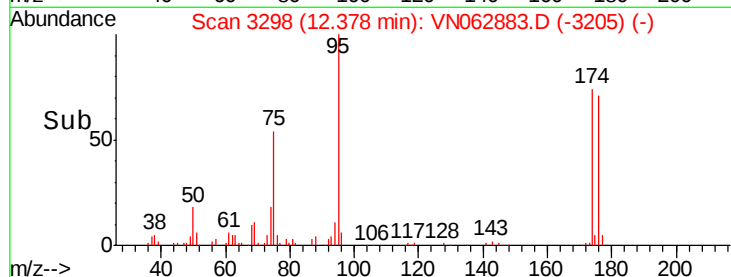
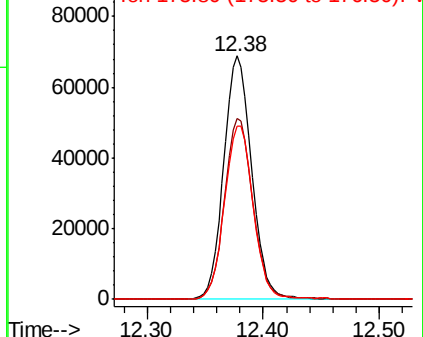
176 73.5 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062883.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062883.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062883.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062883.D

Acq: 13 Aug 2020 2:43

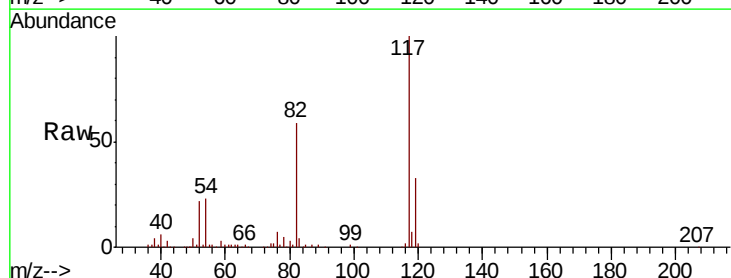
Tgt Ion: 117 Resp: 248233

Ion Ratio Lower Upper

117 100

82 59.3 49.0 73.4

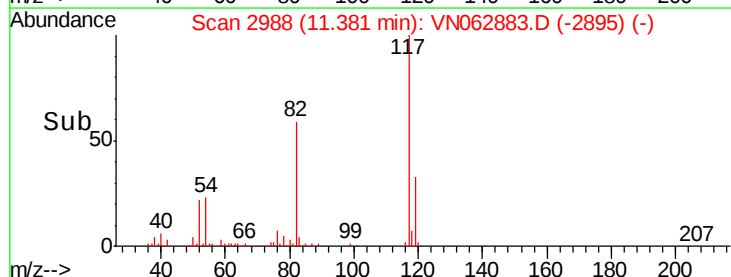
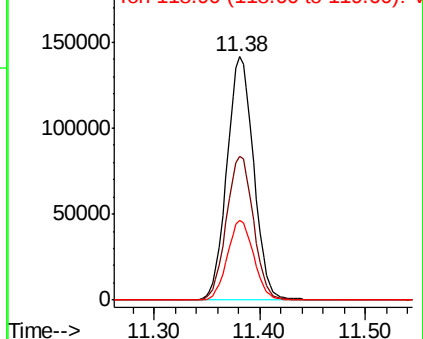
119 32.6 26.2 39.2

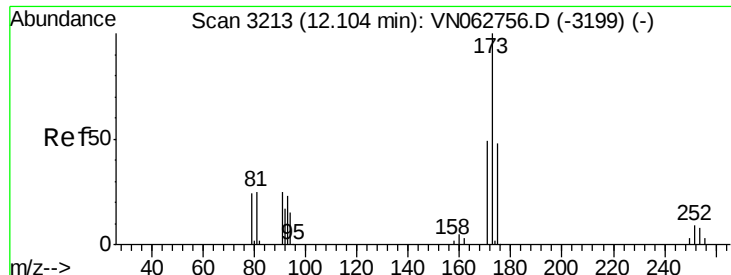


Abundance Ion 116.90 (116.60 to 117.60): VN062883.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062883.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062883.D (-2895) (-)

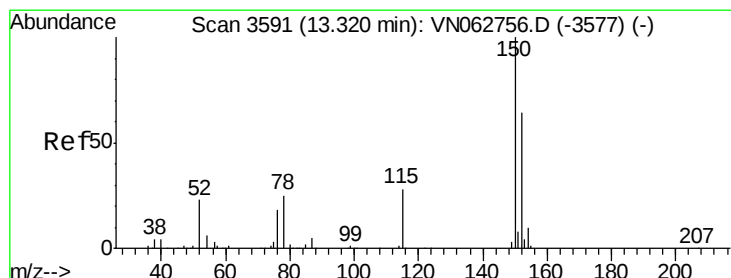
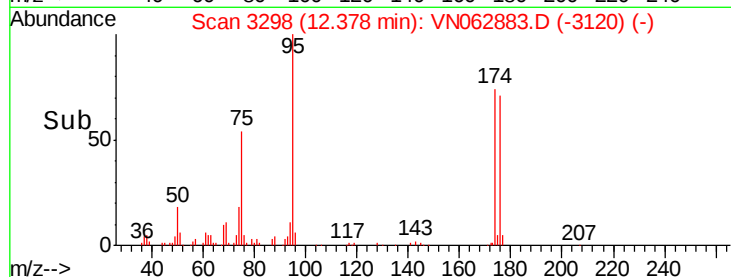
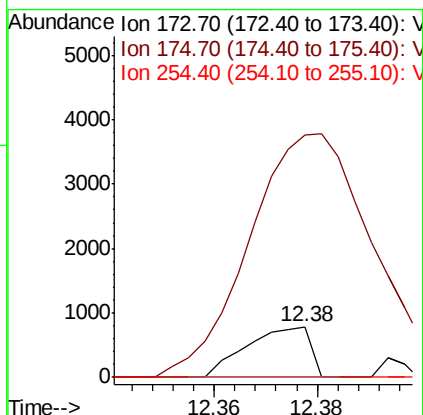
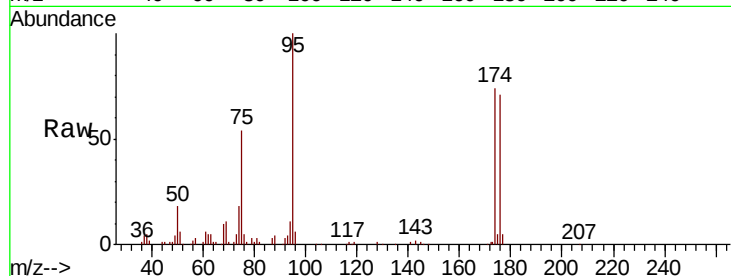




#71
Bromoform
Concen: 0.391 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.27 min
Lab File: VN062883.D
Acq: 13 Aug 2020 2:43

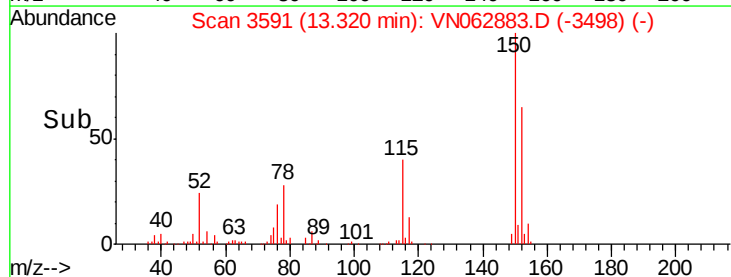
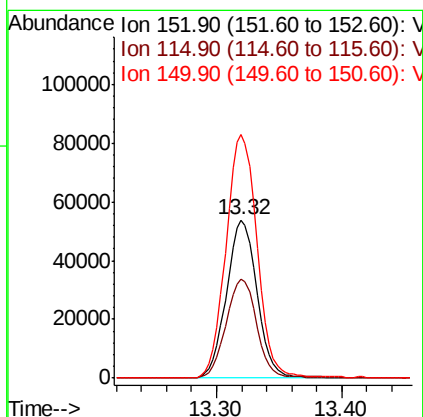
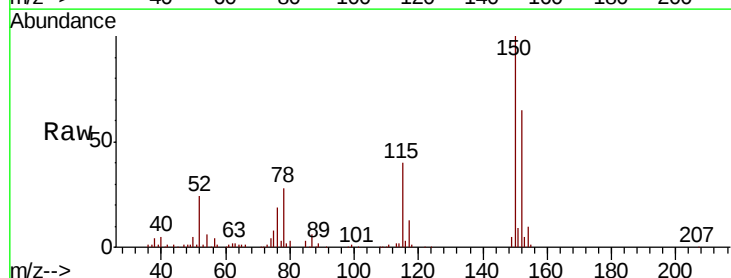
Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#13

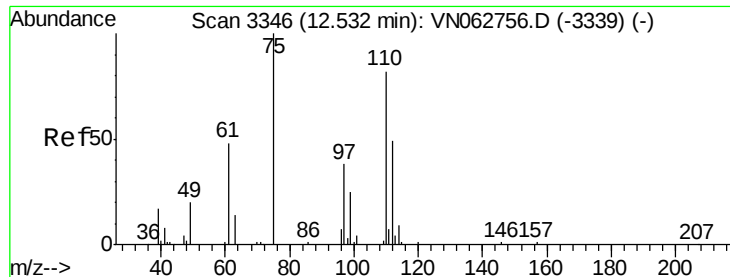
Tot Ion:173 Resp: 667
Ion Ratio Lower Upper
173 100
175 825.5 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062883.D
Acq: 13 Aug 2020 2:43

Tgt Ion:152 Resp: 91328
Ion Ratio Lower Upper
152 100
115 62.2 31.6 94.8
150 155.9 0.0 349.2

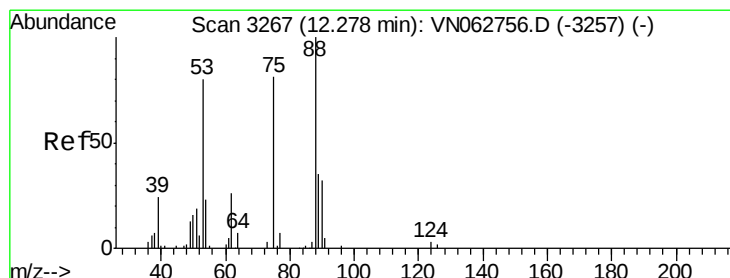
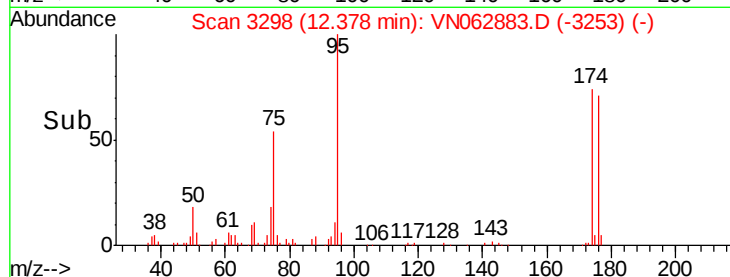
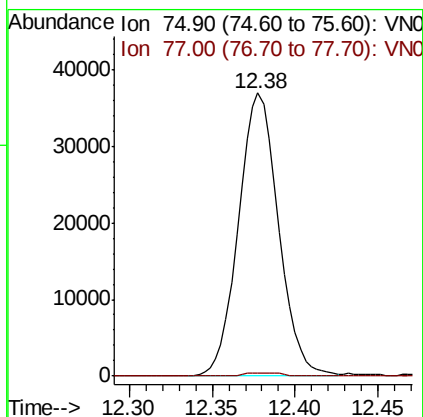
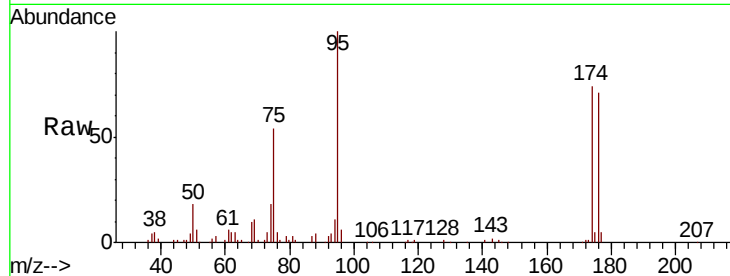




#76
 1,2,3-Trichloropropane
 Concen: 25.213 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062883.D
 Acq: 13 Aug 2020 2:43

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#13

Tot Ion: 75 Resp: 62101
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.970 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062883.D
 Acq: 13 Aug 2020 2:43

Tgt Ion: 75 Resp: 62101
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#

