

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062415.D
 Acq On : 8 Jul 2020 18:39
 Operator : JC/MD
 Sample : L3229-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Jul 09 02:23:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	173675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	304428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	291585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	102826	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	136816	51.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.44%	
35) Dibromofluoromethane	7.55	113	99846	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
50) Toluene-d8	10.06	98	399804	53.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.64%	
62) 4-Bromofluorobenzene	12.38	95	138848	51.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.30%	

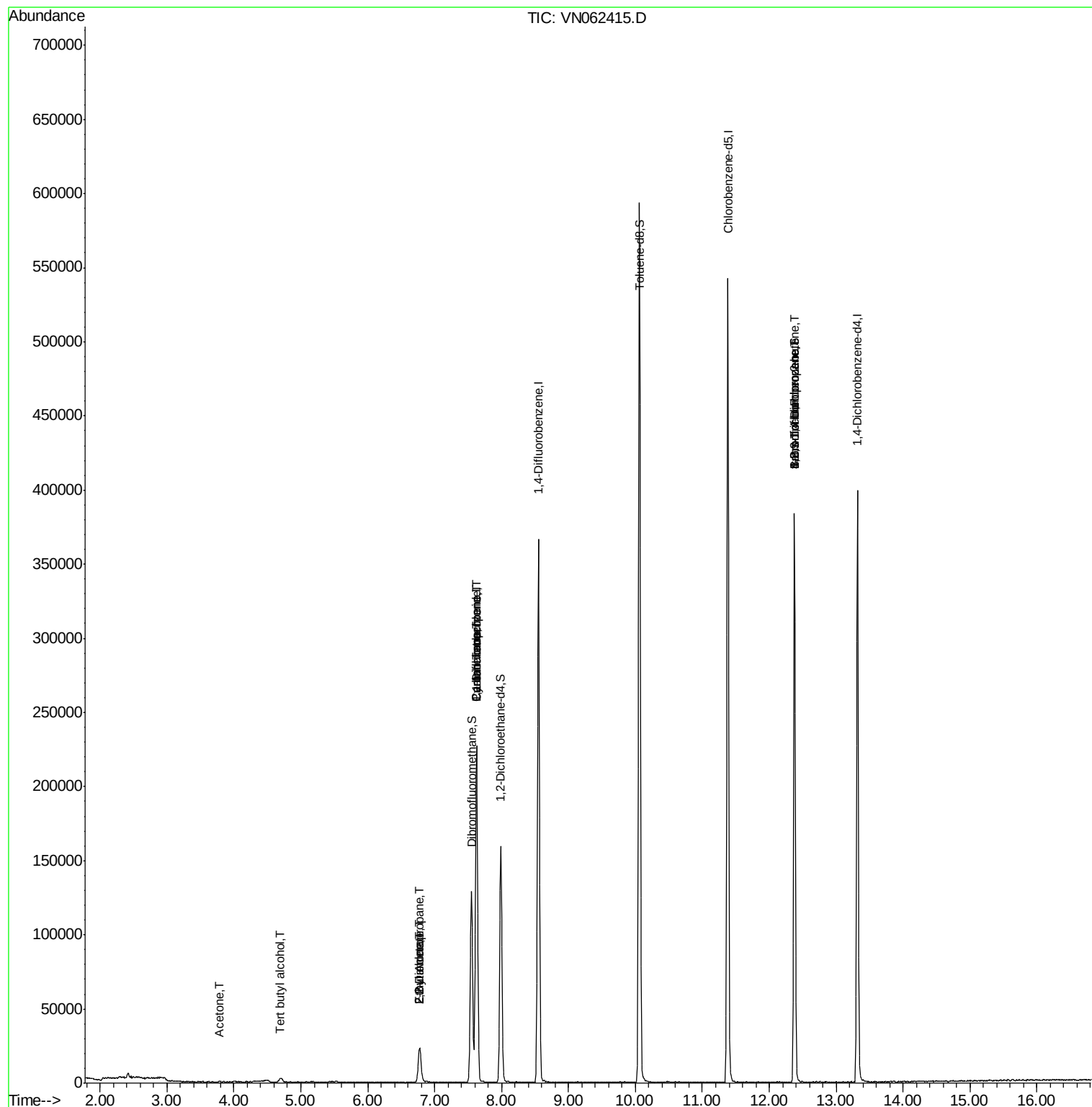
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	3237	7.305	ug/l #	74
16) Acetone	3.78	43	683	0.602	ug/l #	80
25) 2-Butanone	6.76	43	957	0.578	ug/l #	53
26) 2,2-Dichloropropane	6.77	77	1807	0.551	ug/l #	54
31) Cyclohexane	7.63	56	4333	1.068	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	15583	5.081	ug/l #	51
37) Ethyl Acetate	6.76	43	957	0.267	ug/l #	57
38) Carbon Tetrachloride	7.63	117	17216	6.244	ug/l #	15
71) Bromoform	12.38	173	963	0.629	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	73343	29.070	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	73343	77.808	ug/l #	10
95) Naphthalene	15.12	128	63	Below Cal	#	70

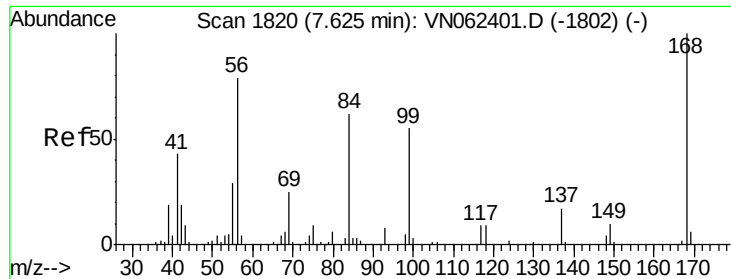
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062415.D

Acq: 8 Jul 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

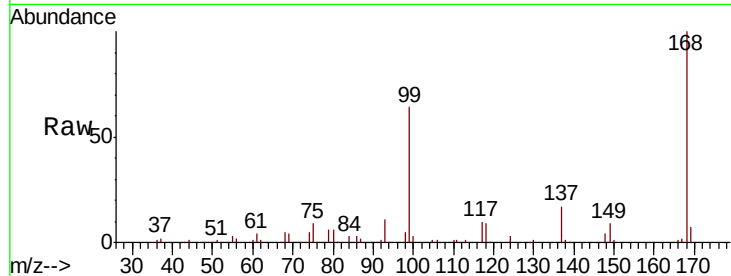
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 173675

Ion Ratio Lower Upper

168 100

99 63.8 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): VN062415.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN062415.D (-1727) (-)

7.63

80000

60000

40000

20000

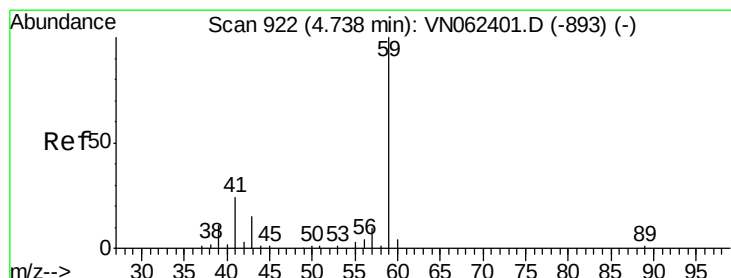
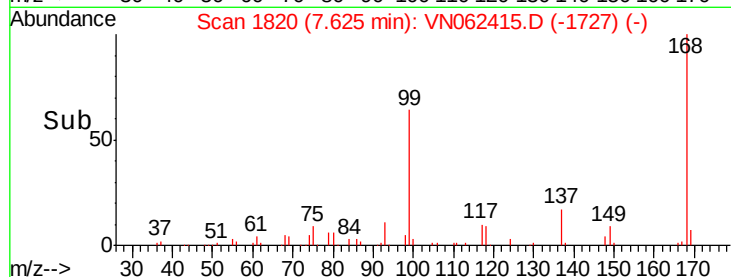
0

7.50

7.60

7.70

Time-->



#11

Tert butyl alcohol

Concen: 7.305 ug/l

RT: 4.70 min Scan# 910

Delta R.T. -0.04 min

Lab File: VN062415.D

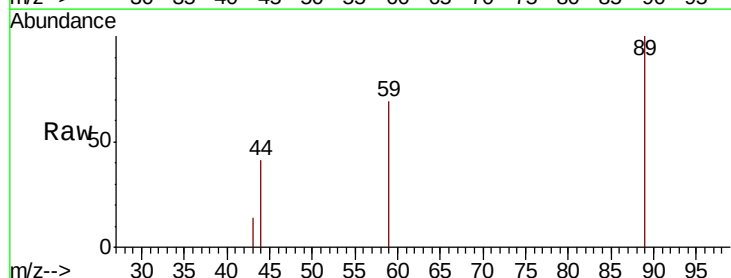
Acq: 8 Jul 2020 18:39

Tgt Ion: 59 Resp: 3237

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN062415.D (-829) (-)

Ion 57.00 (56.70 to 57.70): VN062415.D (-829) (-)

4.70

1000

800

600

400

200

0

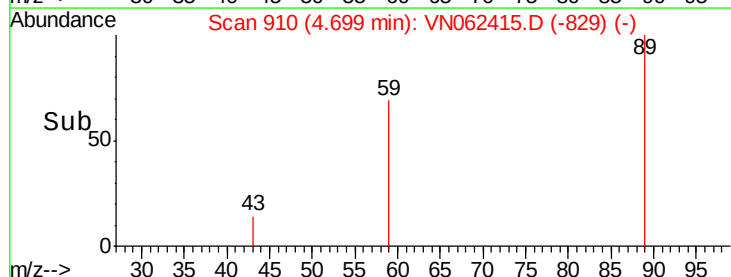
4.60

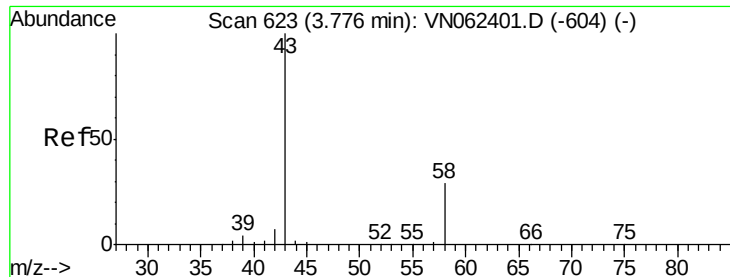
4.65

4.70

4.75

Time-->

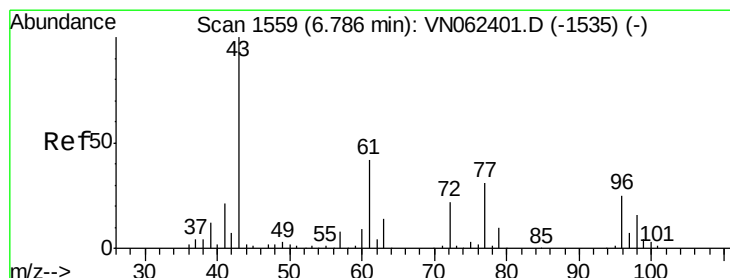
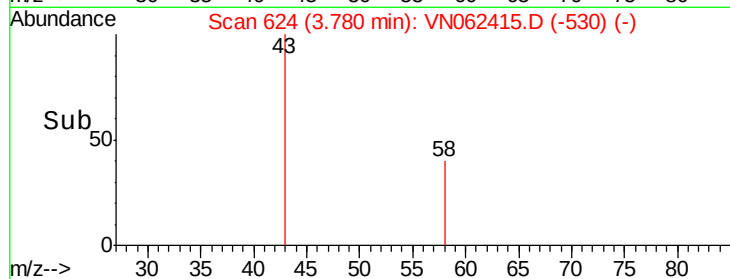
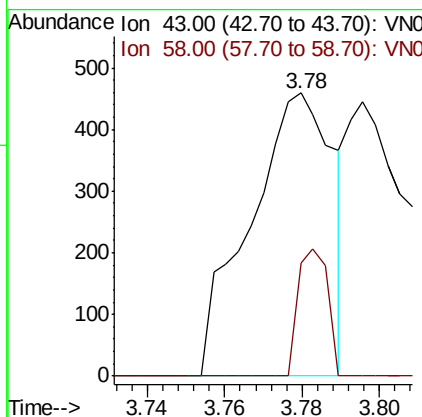
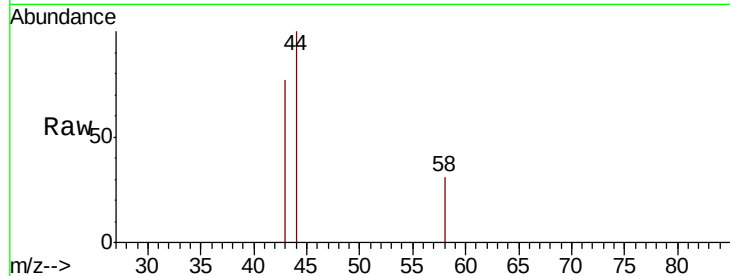




#16
Acetone
Concen: 0.602 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.00 min
Lab File: VN062415.D
Acq: 8 Jul 2020 18:39

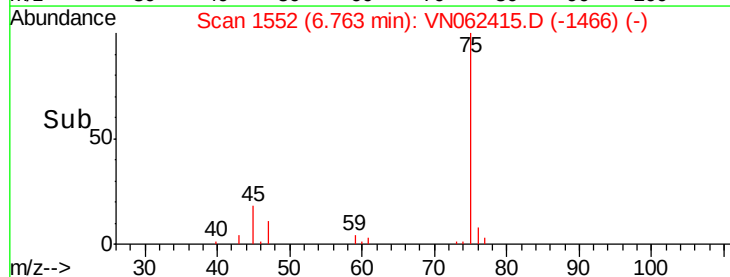
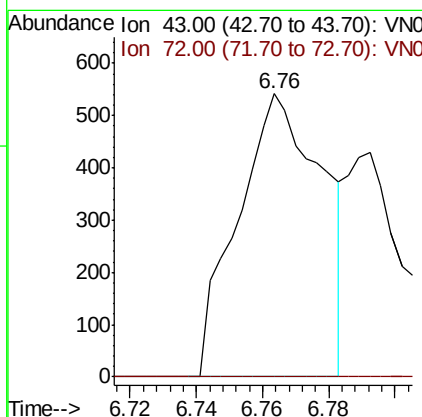
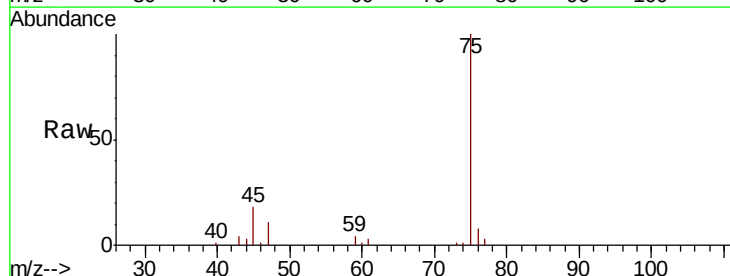
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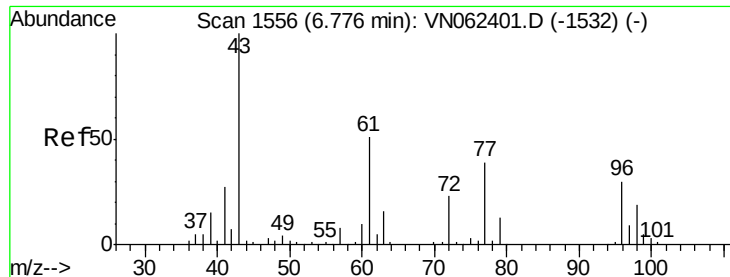
Tot Ion: 43 Resp: 683
Ion Ratio Lower Upper
43 100
58 40.1 23.5 35.3#



#25
2-Butanone
Concen: 0.578 ug/l
RT: 6.76 min Scan# 1552
Delta R.T. -0.02 min
Lab File: VN062415.D
Acq: 8 Jul 2020 18:39

Tgt Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
72 0.0 17.9 26.9#





#26

2,2-Dichloropropane

Concen: 0.551 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062415.D

Acq: 8 Jul 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

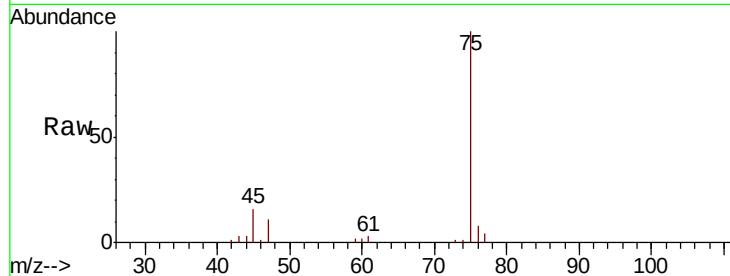
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 77 Resp: 1807

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.77

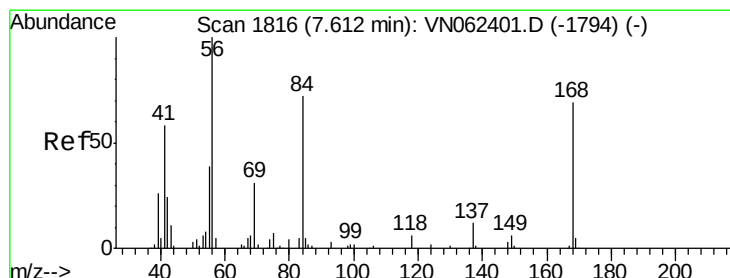
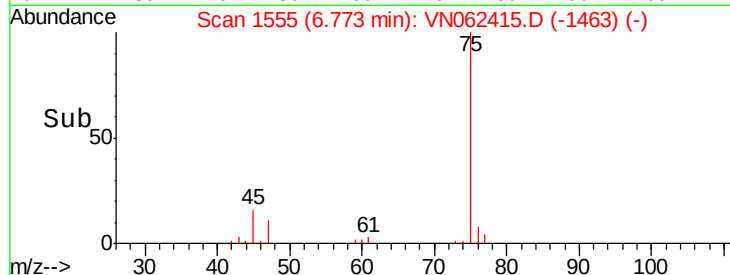
600

400

200

0

Time-->



#31

Cyclohexane

Concen: 1.068 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.02 min

Lab File: VN062415.D

Acq: 8 Jul 2020 18:39

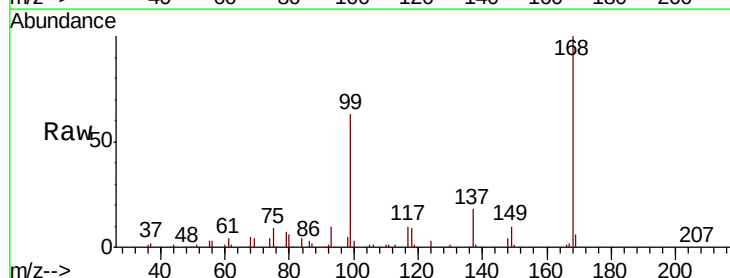
Tgt Ion: 56 Resp: 4333

Ion Ratio Lower Upper

56 100

69 150.1 24.5 36.7#

84 132.8 57.4 86.2#



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

4000

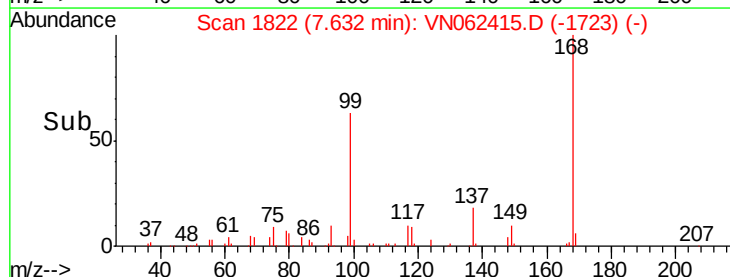
3000

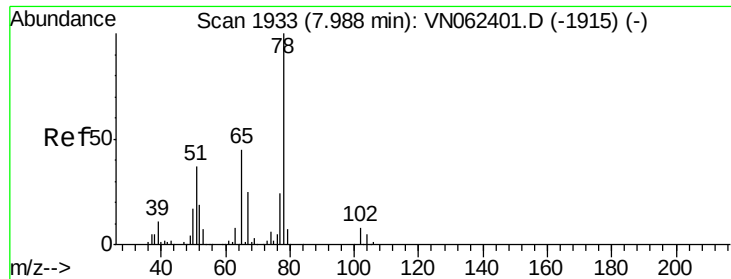
2000

1000

0

Time-->

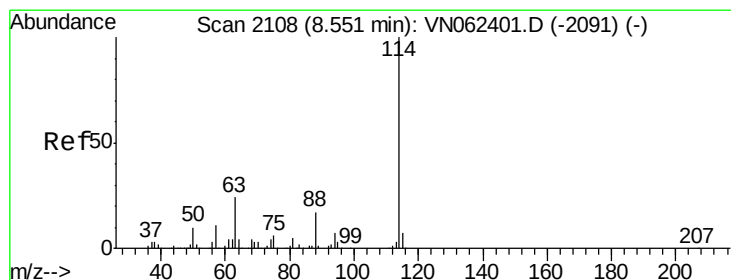
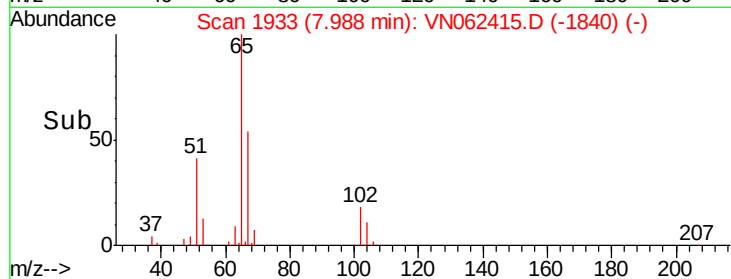
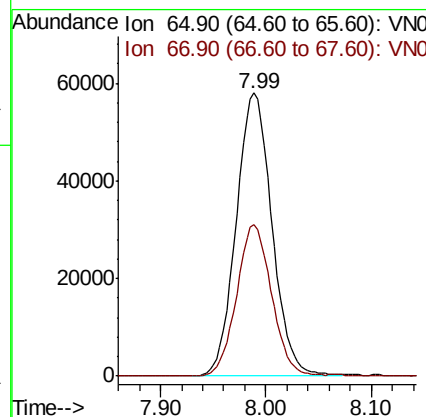
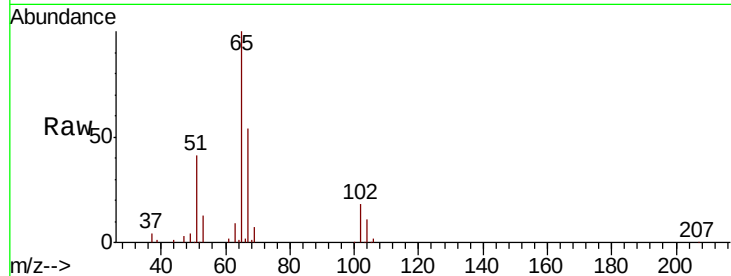




#33
 1,2-Dichloroethane-d4
 Concen: 51.216 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062415.D
 Acq: 8 Jul 2020 18:39

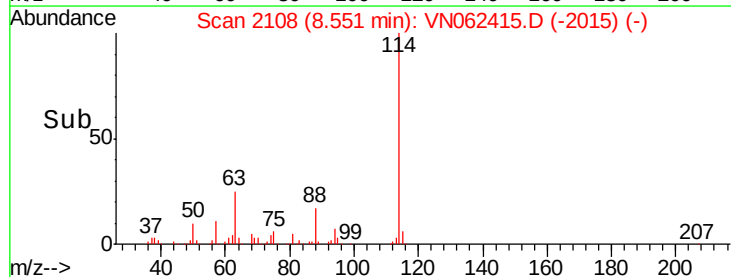
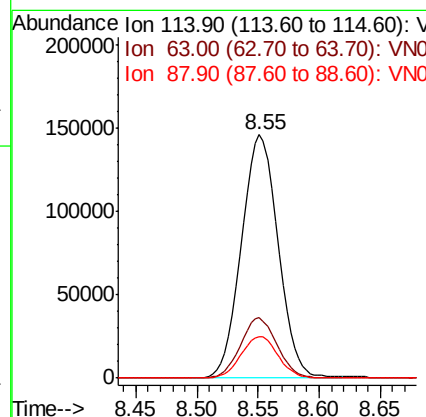
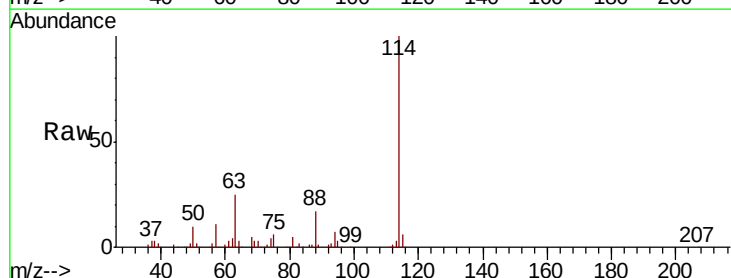
Instrument :
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 STORAGE-BLANK-SAMPLE-MANA

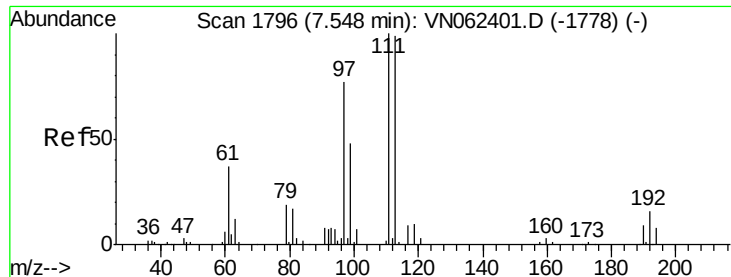
Tot Ion: 65 Resp: 136816
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062415.D
 Acq: 8 Jul 2020 18:39

Tgt Ion: 114 Resp: 304428
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 48.4
 88 17.2 0.0 33.8

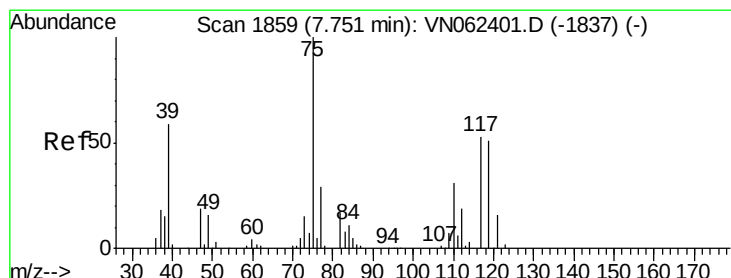
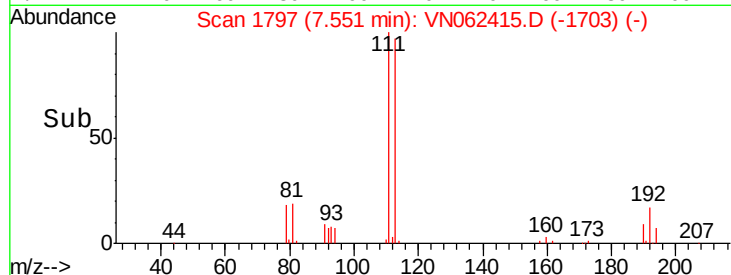
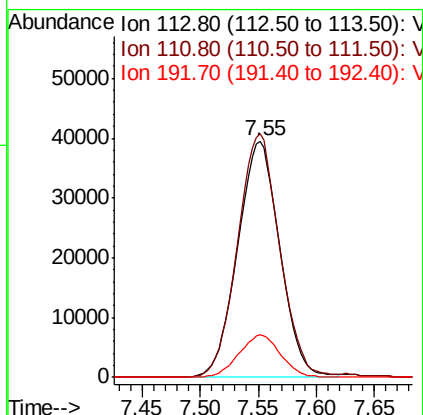
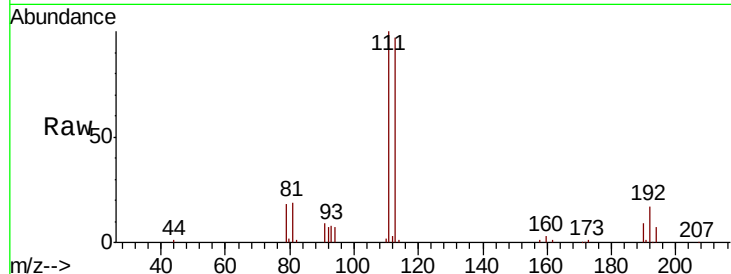




#35
 Dibromofluoromethane
 Concen: 53.059 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062415.D
 Acq: 8 Jul 2020 18:39

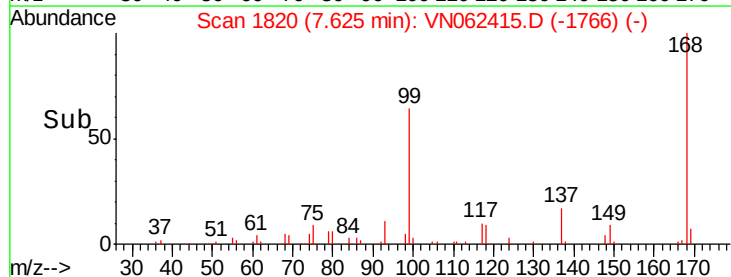
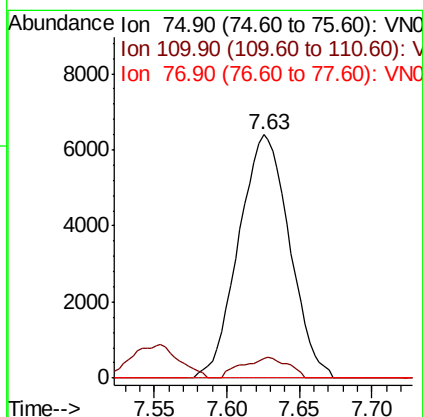
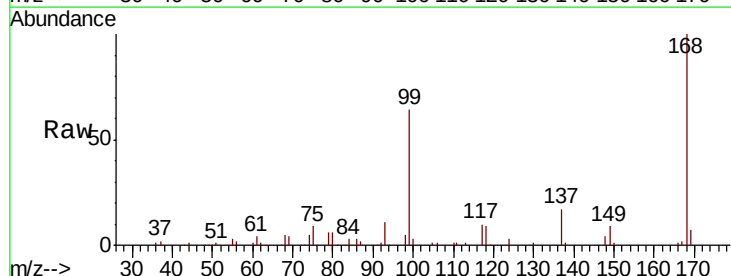
Instrument :
 MSVOA_N
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 STORAGE-BLANK-SAMPLE-MANA

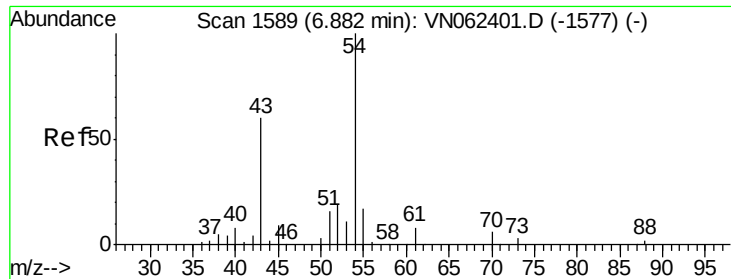
Tot Ion:113 Resp: 99846
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.1 124.7
 192 17.6 14.1 21.1



#36
 1,1-Dichloropropene
 Concen: 5.081 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062415.D
 Acq: 8 Jul 2020 18:39

Tgt Ion: 75 Resp: 15583
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.4 46.2#
 77 0.0 24.1 36.1#

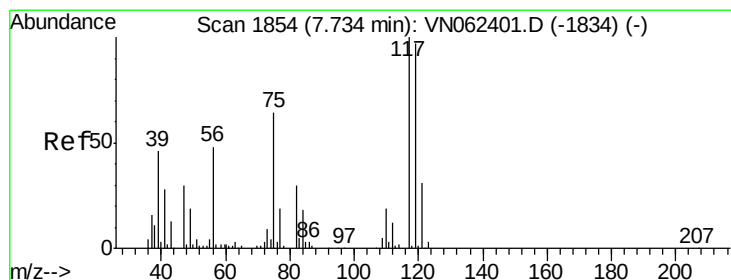
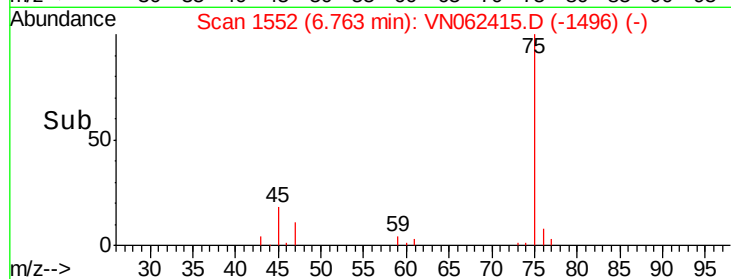
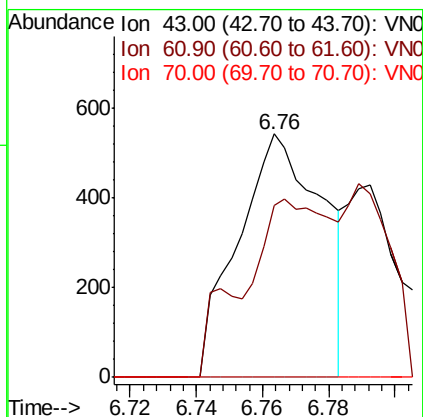
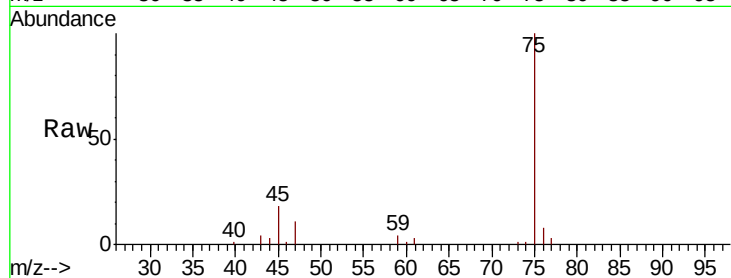




#37
Ethyl Acetate
Concen: 0.267 ug/l
RT: 6.76 min Scan# 1552
Delta R.T. -0.12 min
Lab File: VN062415.D
Acq: 8 Jul 2020 18:39

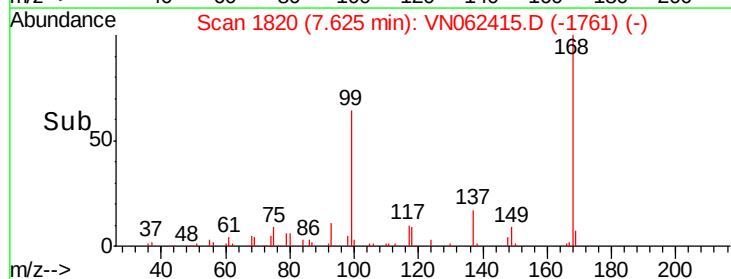
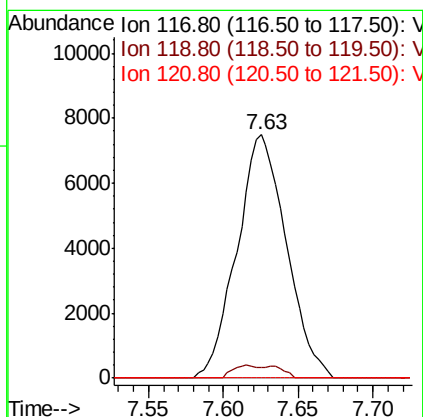
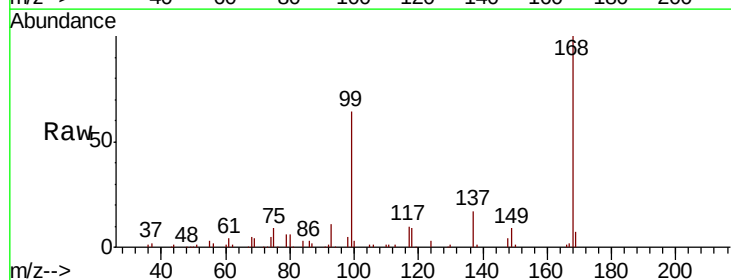
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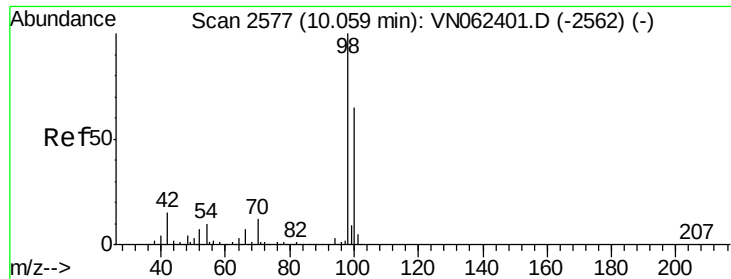
Tot Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
61 35.4 10.7 16.1#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 6.244 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062415.D
Acq: 8 Jul 2020 18:39

Tgt Ion: 117 Resp: 17216
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 24.8 37.2#

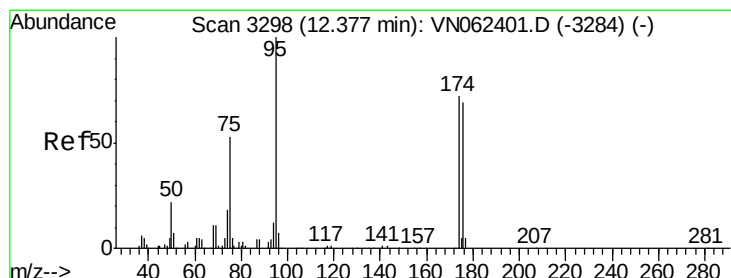
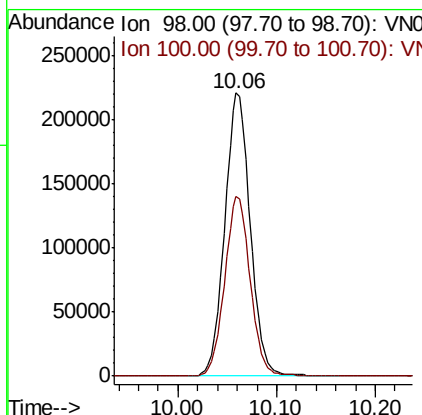
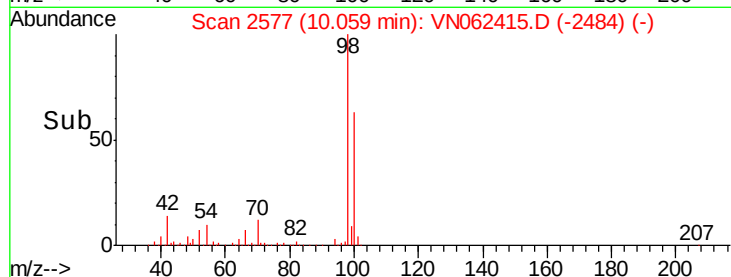
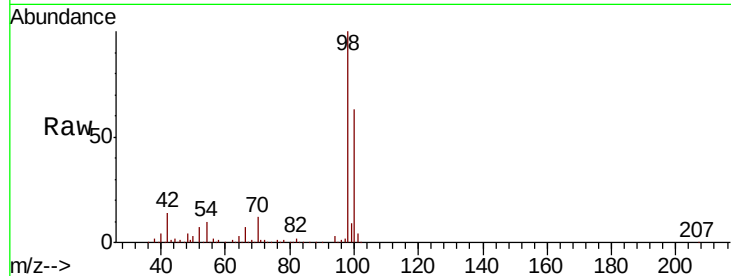




#50
Toluene-d8
Concen: 53.819 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062415.D
Acq: 8 Jul 2020 18:39

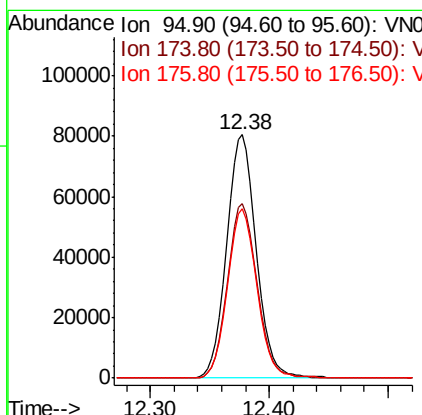
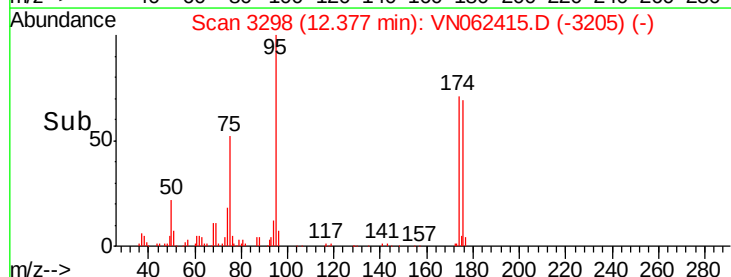
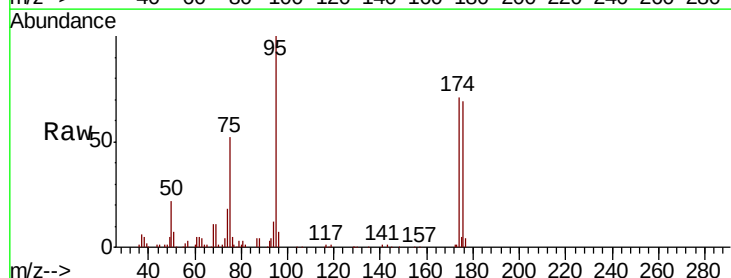
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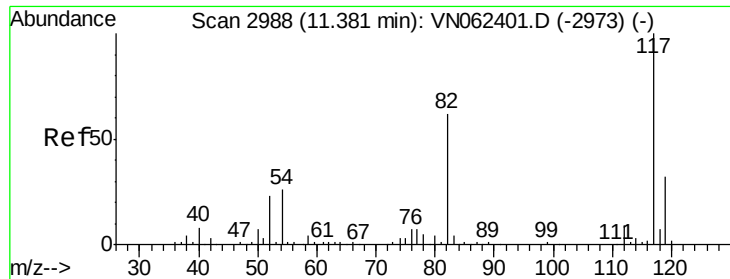
Tot Ion: 98 Resp: 399804
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 51.147 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062415.D
Acq: 8 Jul 2020 18:39

Tgt Ion: 95 Resp: 138848
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.6
176 69.1 0.0 137.2

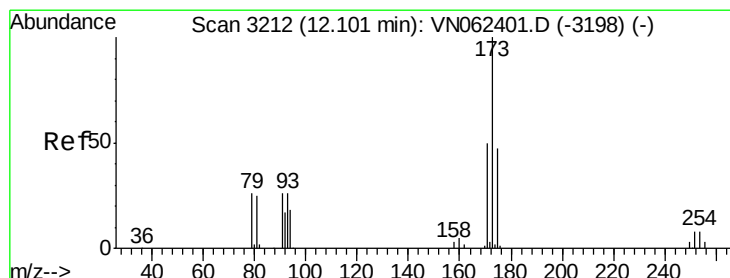
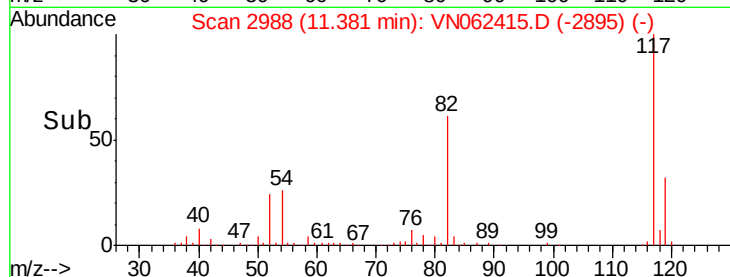
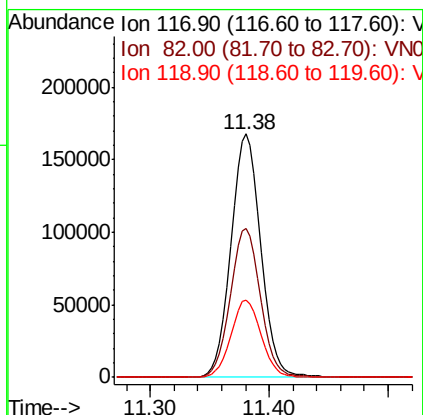
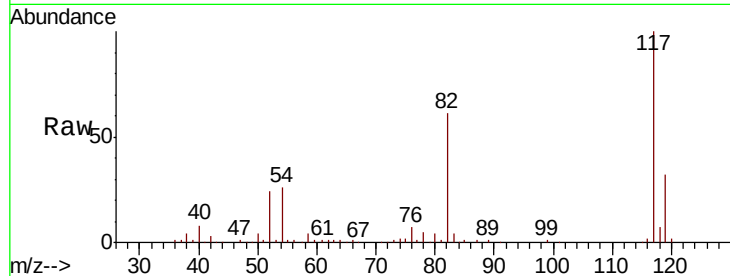




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062415.D
Acq: 8 Jul 2020 18:39

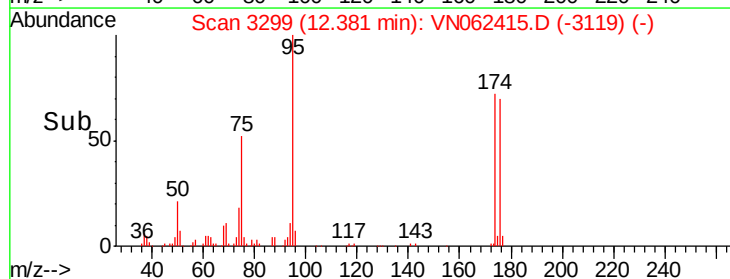
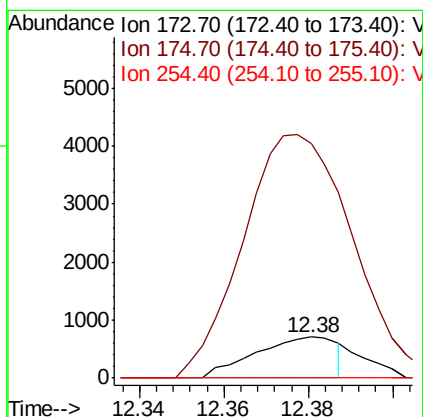
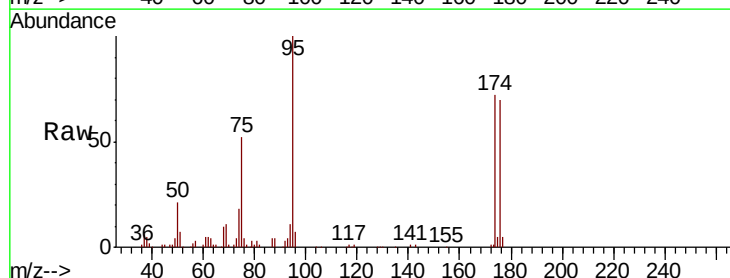
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

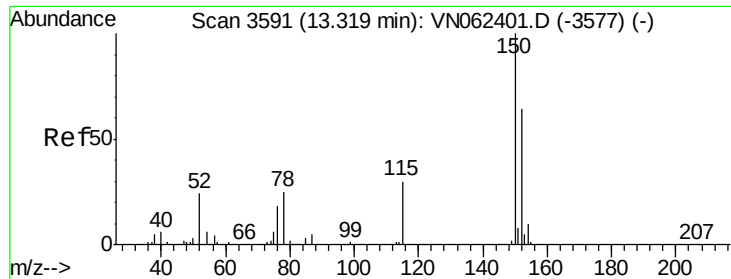
Tot Ion:117 Resp: 291585
Ion Ratio Lower Upper
117 100
82 61.3 49.6 74.4
119 31.9 25.4 38.0



#71
Bromoform
Concen: 0.629 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062415.D
Acq: 8 Jul 2020 18:39

Tgt Ion:173 Resp: 963
Ion Ratio Lower Upper
173 100
175 645.7 23.7 71.1#
254 0.0 0.0 0.0

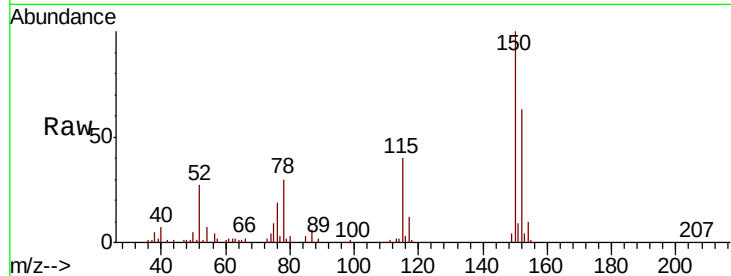




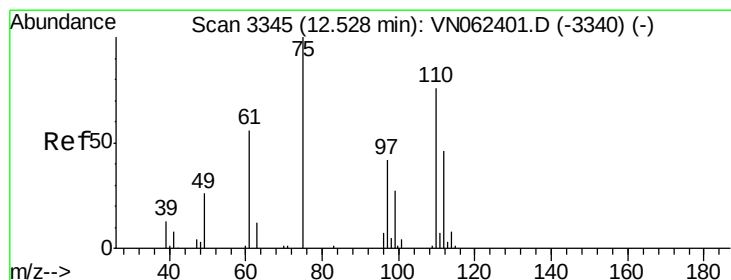
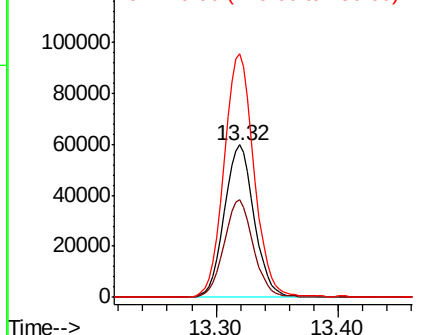
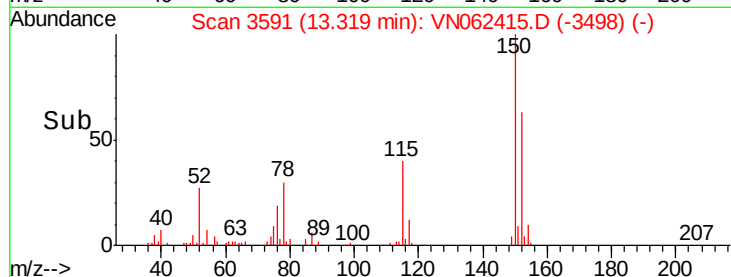
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VN062415.D
 Acq: 8 Jul 2020 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion:152 Resp: 102826
 Ion Ratio Lower Upper
 152 100
 115 62.8 31.4 94.2
 150 160.0 0.0 347.4

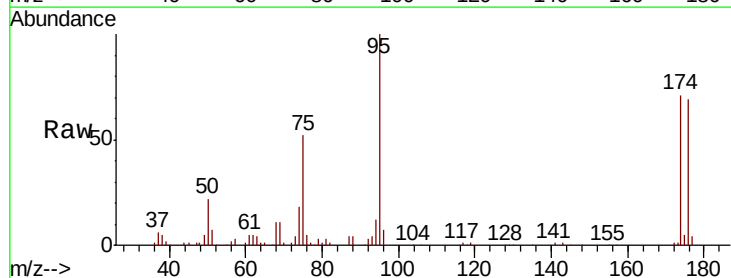


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

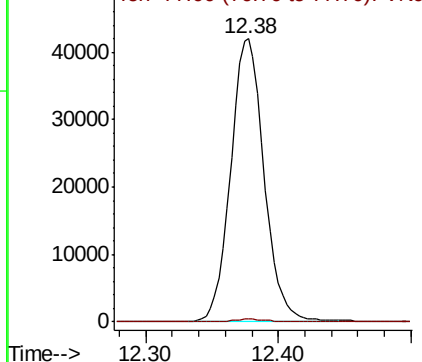
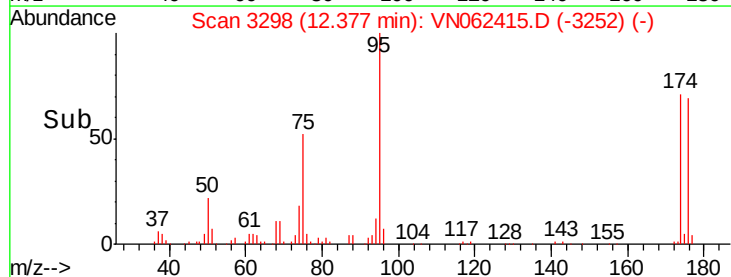


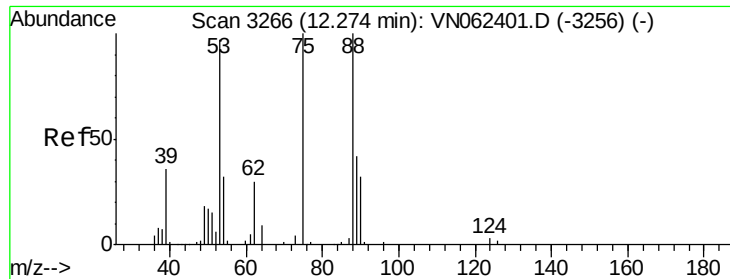
#76
 1,2,3-Trichloropropane
 Concen: 29.070 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062415.D
 Acq: 8 Jul 2020 18:39

Tgt Ion: 75 Resp: 73343
 Ion Ratio Lower Upper
 75 100
 77 0.9 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: 77.808 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062415.D

Acq: 8 Jul 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

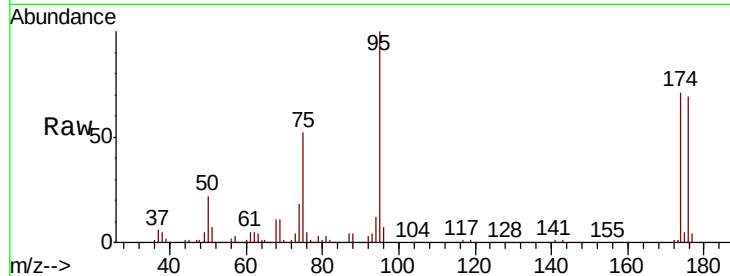
Tot Ion: 75 Resp: 73343

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

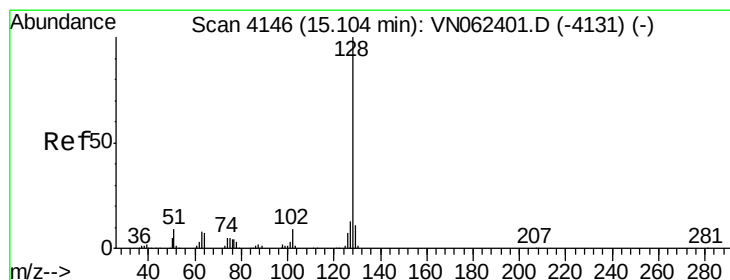
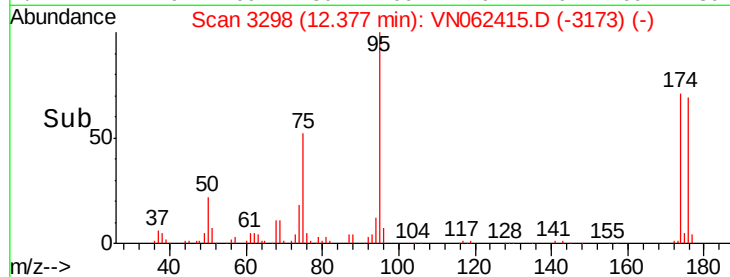
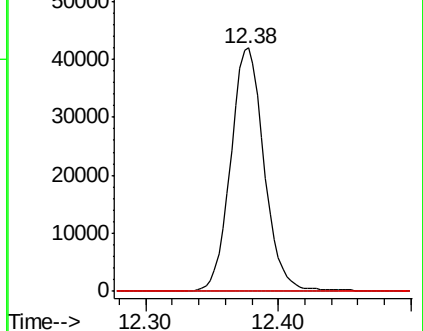
89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062415.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062415.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062415.D (-3173) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.12 min Scan# 4150

Delta R.T. 0.01 min

Lab File: VN062415.D

Acq: 8 Jul 2020 18:39

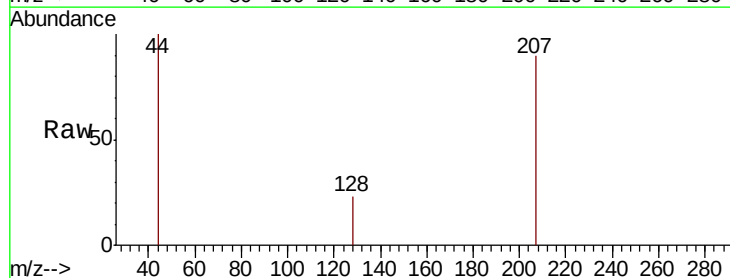
Tgt Ion: 128 Resp: 63

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN062415.D (-4052) (-)

Ion 127.00 (126.70 to 127.70): VN062415.D (-4052) (-)

Ion 129.00 (128.70 to 129.70): VN062415.D (-4052) (-)

