

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061108.D
 Acq On : 20 Apr 2020 17:45
 Operator : JC/MD
 Sample : L2330-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-2020-04-16

Quant Time: Apr 21 04:01:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	144986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	250277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	237298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	104442	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	99996	53.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.82%	
35) Dibromofluoromethane	7.56	113	75125	51.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.80%	
50) Toluene-d8	10.08	98	311484	56.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.80%	
62) 4-Bromofluorobenzene	12.40	95	112066	51.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.54%	

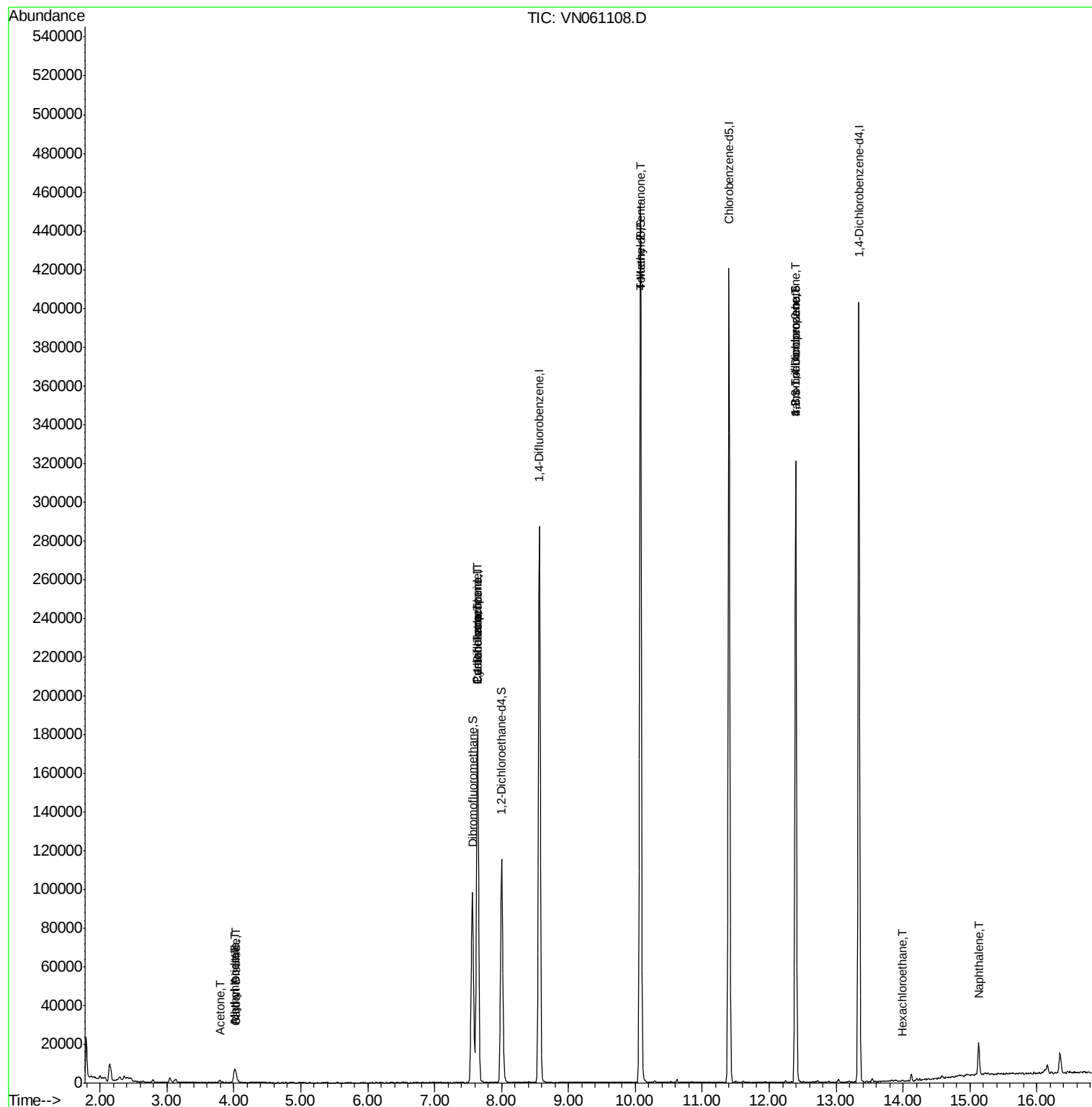
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.02	41	900	0.300	ug/l #	1
16) Acetone	3.79	43	2262	2.770	ug/l	93
17) Carbon Disulfide	4.03	76	2039	0.411	ug/l #	74
18) Methyl Acetate	4.01	43	2615	1.021	ug/l #	54
31) Cyclohexane	7.64	56	3346	0.968	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11904	4.609	ug/l #	49
38) Carbon Tetrachloride	7.64	117	14216	6.613	ug/l #	15
51) 4-Methyl-2-Pentanone	10.07	43	1435	0.546	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	58651	25.530	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	58651	62.973	ug/l #	12
90) Hexachloroethane	13.99	117	296	0.275	ug/l #	10
95) Naphthalene	15.13	128	14852	2.589	ug/l	99

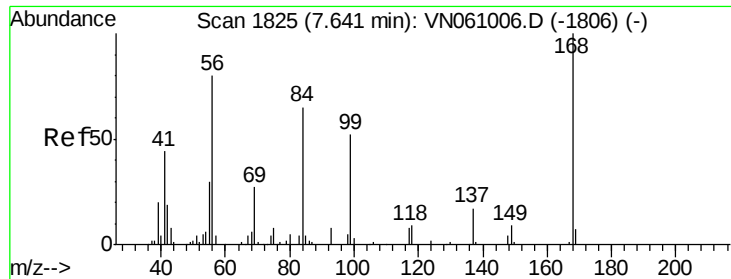
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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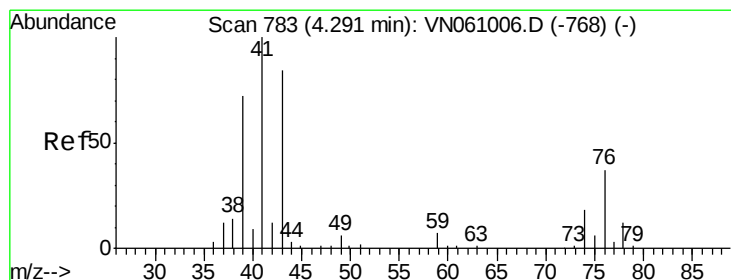
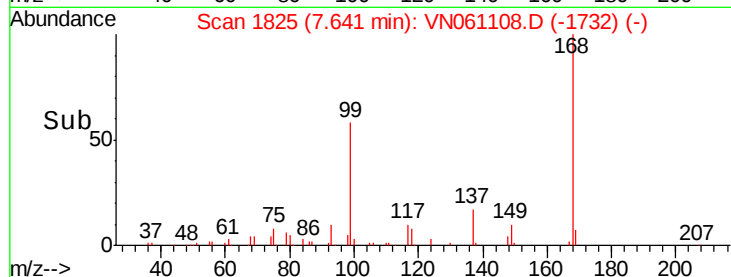
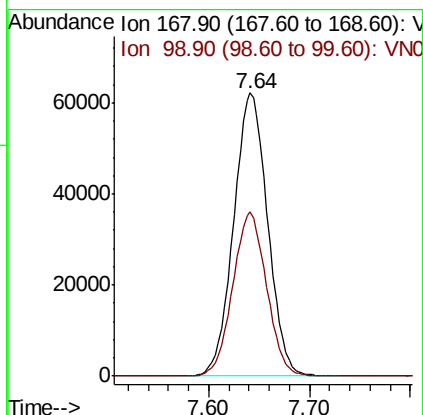
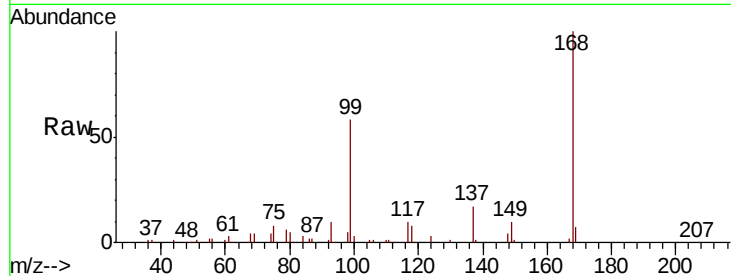




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN061108.D
Acq: 20 Apr 2020 17:45

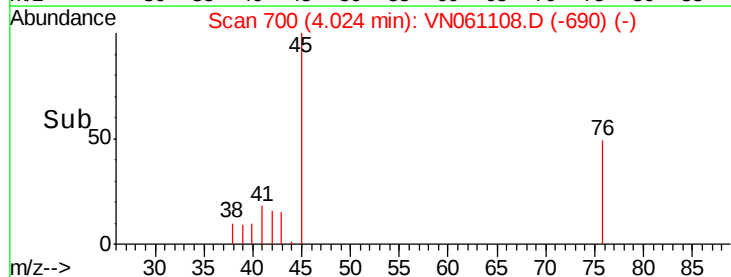
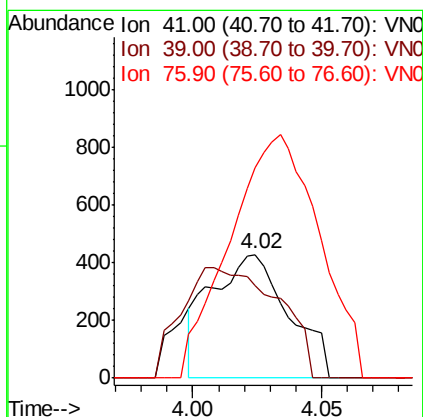
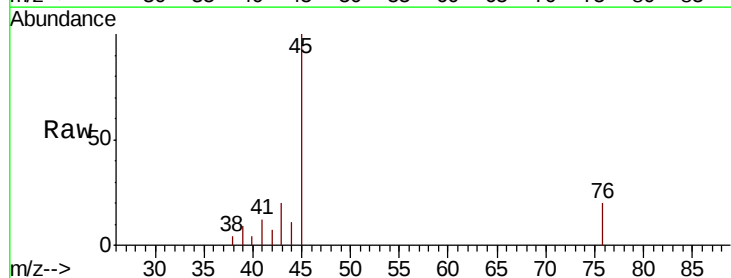
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MSVOA_N
ClientSampleId :
DUP-2020-04-16

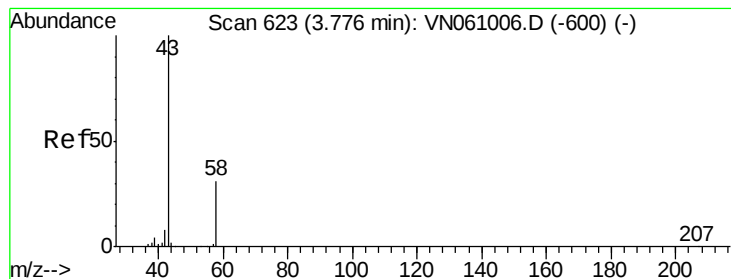
Tot Ion:168 Resp: 144986
Ion Ratio Lower Upper
168 100
99 58.0 47.4 71.2



#14
Allyl chloride
Concen: 0.300 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.27 min
Lab File: VN061108.D
Acq: 20 Apr 2020 17:45

Tgt Ion: 41 Resp: 900
Ion Ratio Lower Upper
41 100
39 0.0 56.3 84.5#
76 223.2 27.7 41.5#





#16

Acetone

Concen: 2.770 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN061108.D

Acq: 20 Apr 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

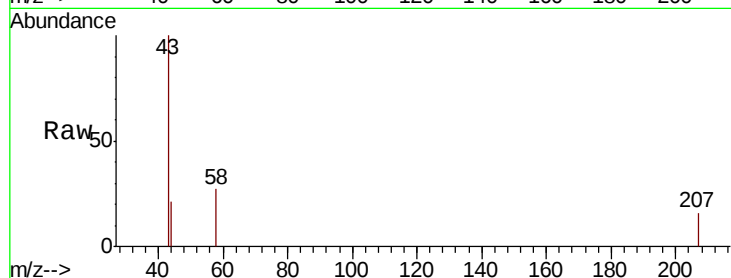
DUP-2020-04-16

Tot Ion: 43 Resp: 2262

Ion Ratio Lower Upper

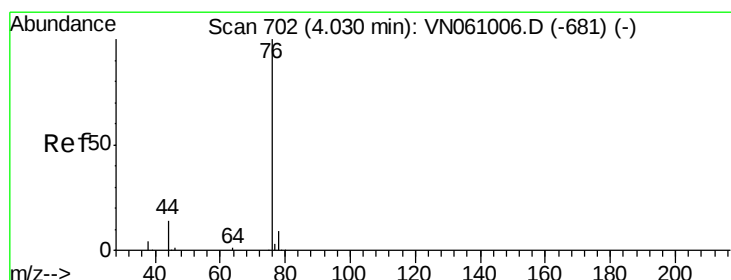
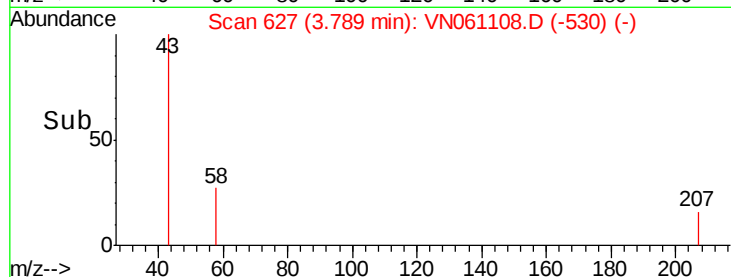
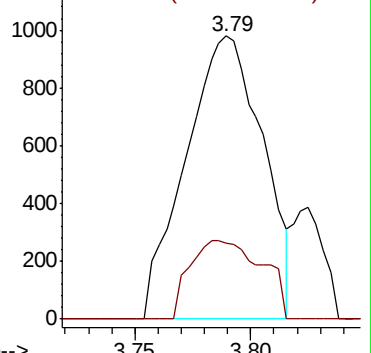
43 100

58 26.9 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061108.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN061108.D (-530) (-)



#17

Carbon Disulfide

Concen: 0.411 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN061108.D

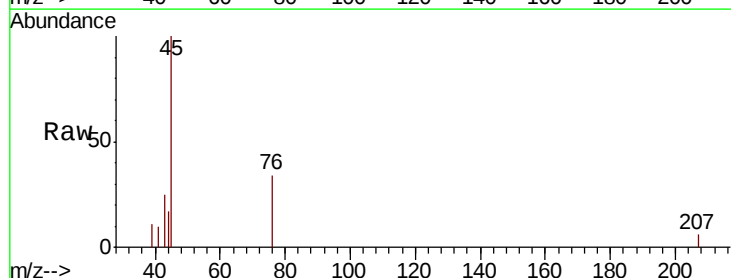
Acq: 20 Apr 2020 17:45

Tgt Ion: 76 Resp: 2039

Ion Ratio Lower Upper

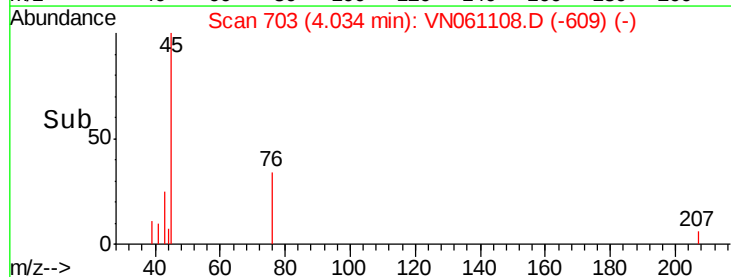
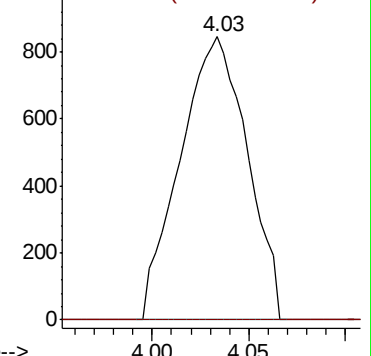
76 100

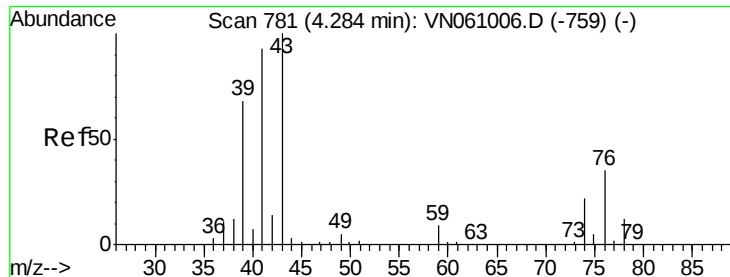
78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VN061108.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN061108.D (-609) (-)

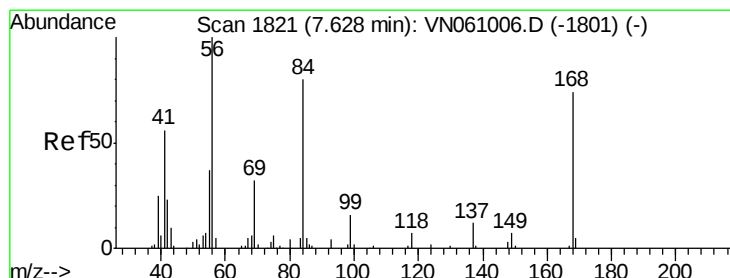
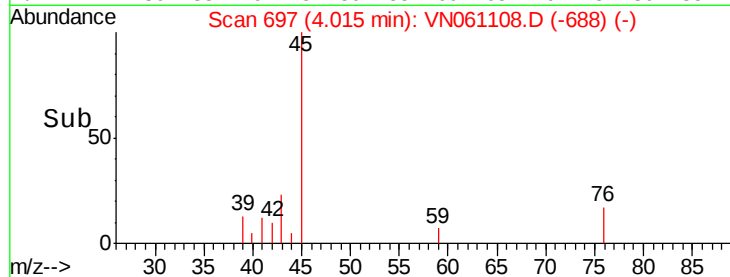
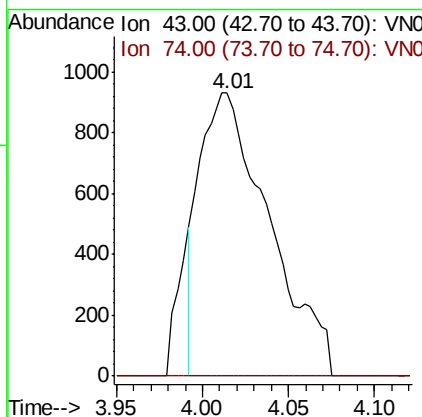
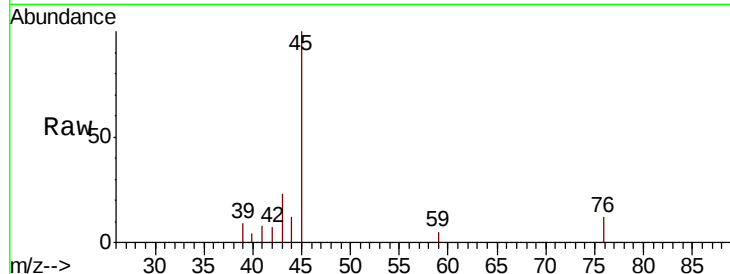




#18
Methvl Acetate
Concen: 1.021 ug/l
RT: 4.01 min Scan# 697
Delta R.T. -0.27 min
Lab File: VN061108.D
Acq: 20 Apr 2020 17:45

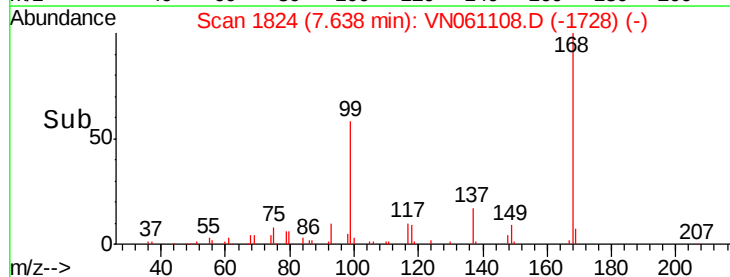
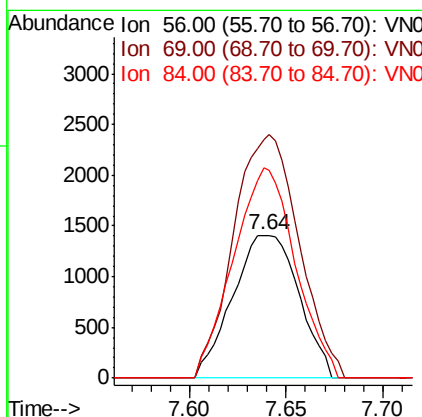
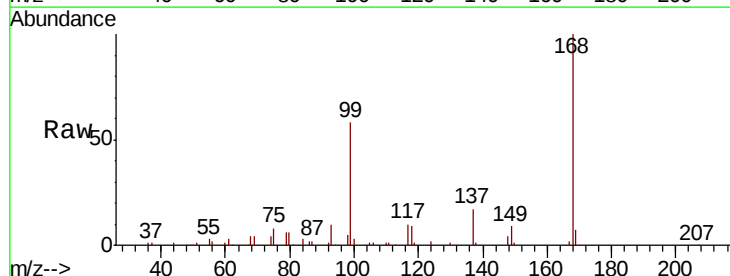
Instrument :
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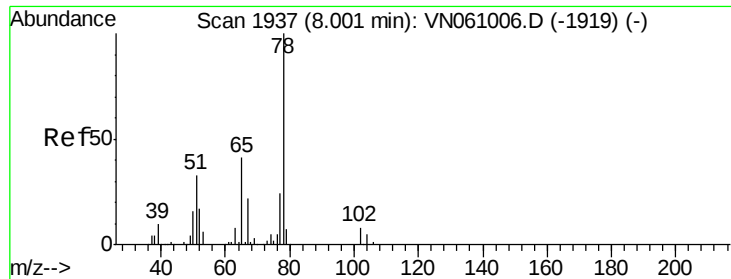
Tot Ion: 43 Resp: 2615
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#31
Cyclohexane
Concen: 0.968 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN061108.D
Acq: 20 Apr 2020 17:45

Tgt Ion: 56 Resp: 3346
Ion Ratio Lower Upper
56 100
69 167.3 25.6 38.4#
84 147.1 63.4 95.2#

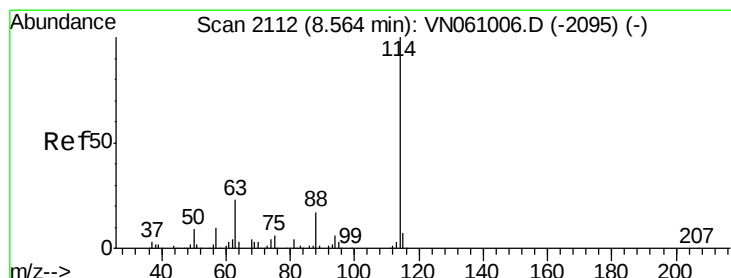
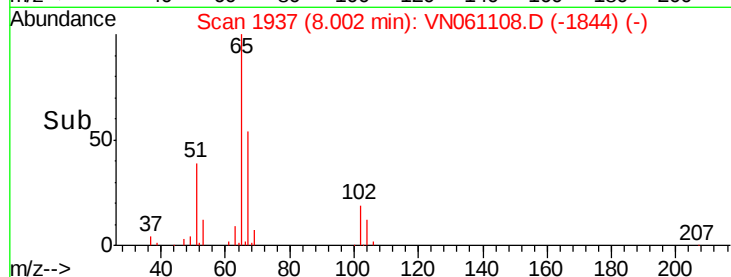
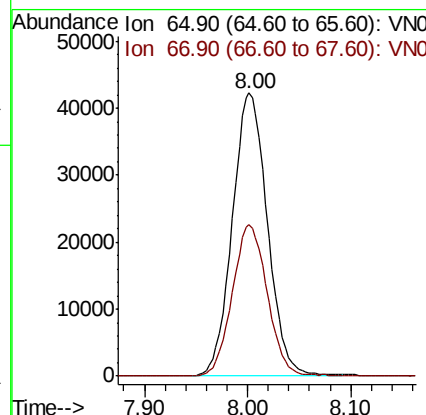
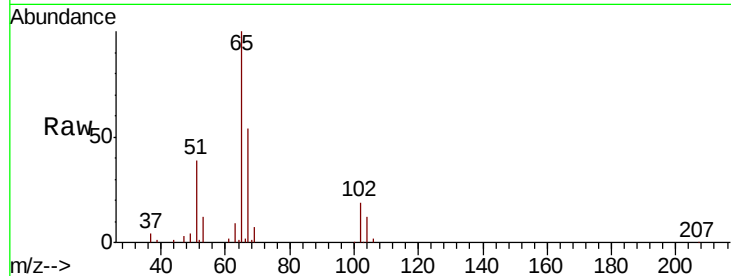




#33
 1,2-Dichloroethane-d4
 Concen: 53.906 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061108.D
 Acq: 20 Apr 2020 17:45

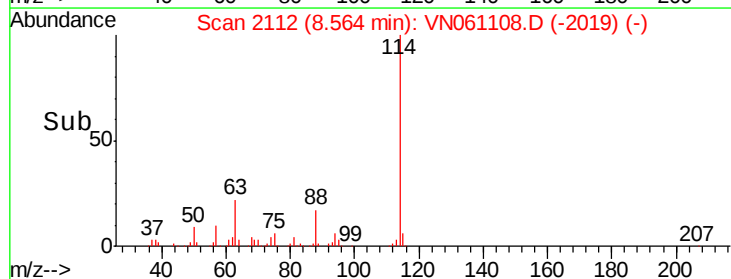
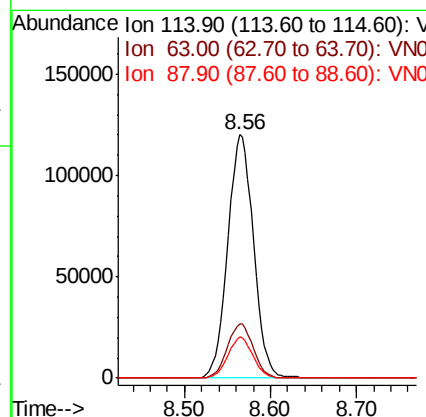
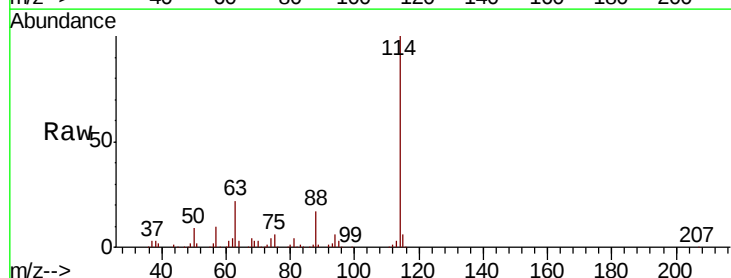
Instrument :
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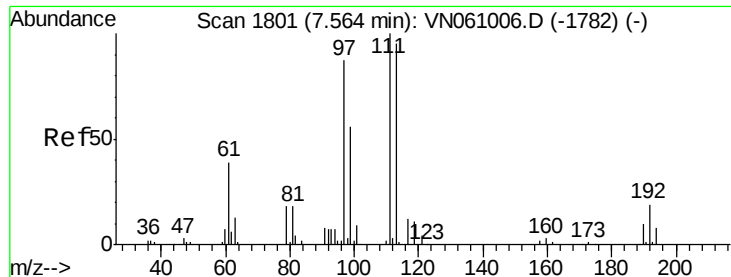
Tot Ion: 65 Resp: 99996
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061108.D
 Acq: 20 Apr 2020 17:45

Tgt Ion: 114 Resp: 250277
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 46.2
 88 16.8 0.0 33.4

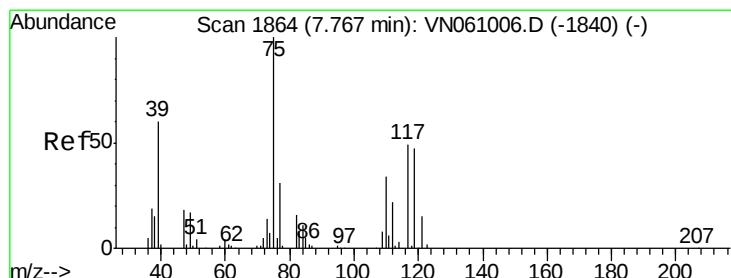
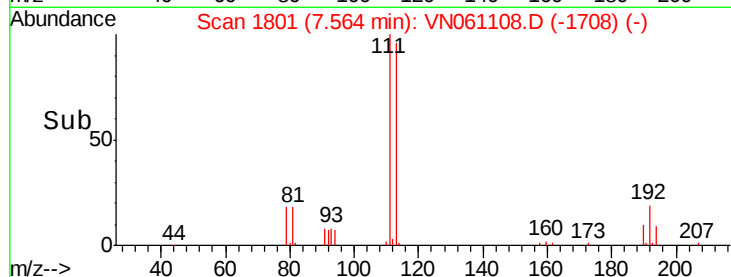
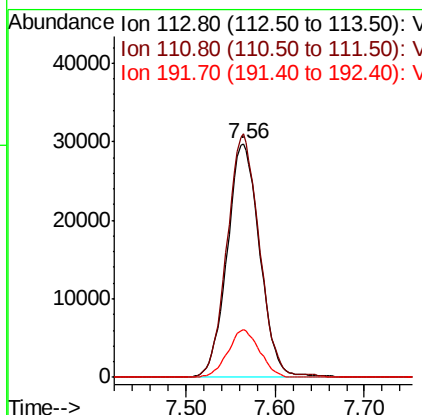
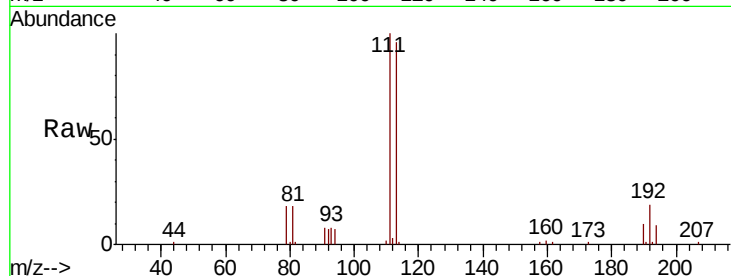




#35
 Dibromofluoromethane
 Concen: 51.400 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061108.D
 Acq: 20 Apr 2020 17:45

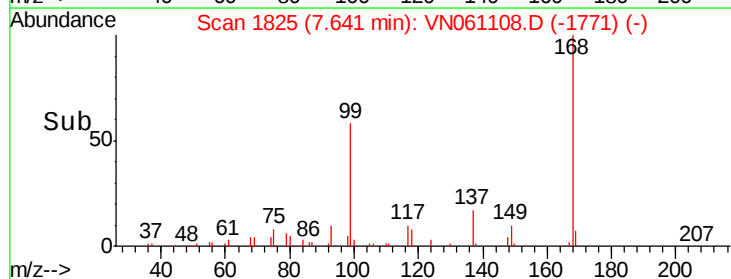
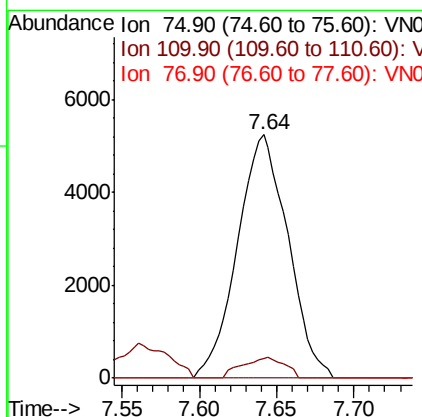
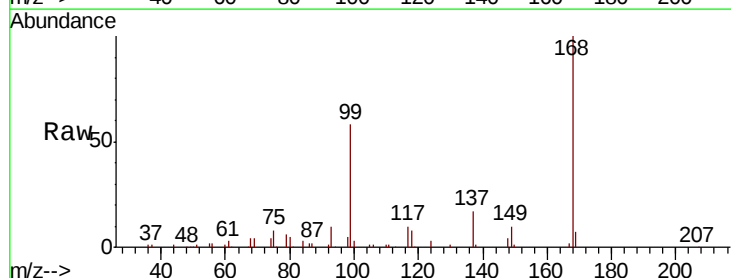
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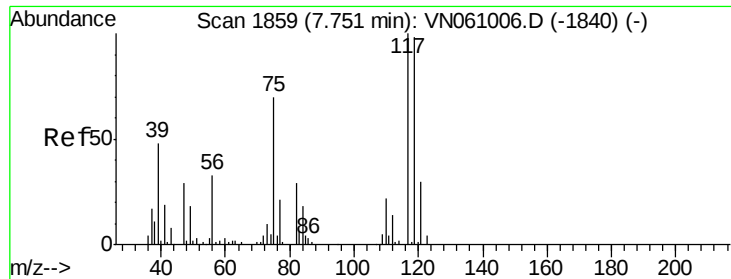
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.4	125.2
192	19.7	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.609 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN061108.D
 Acq: 20 Apr 2020 17:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.1	16.8	50.3#
77	0.0	24.7	37.1#

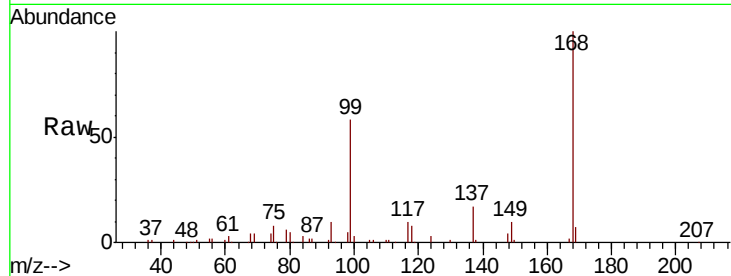




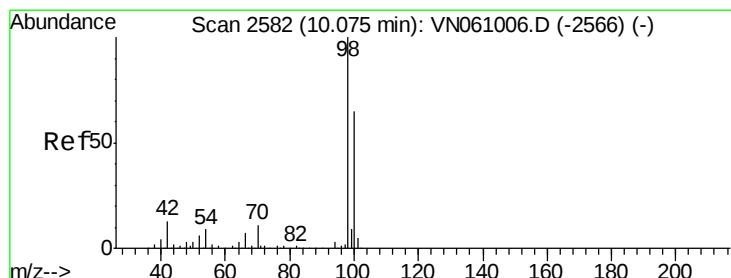
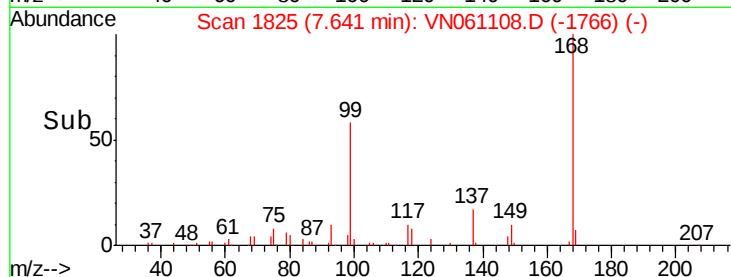
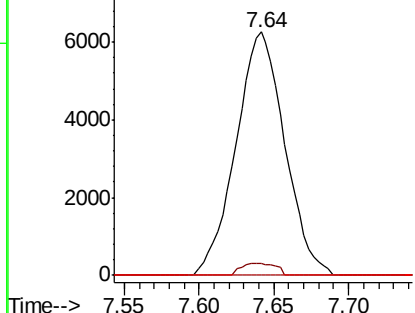
#38
Carbon Tetrachloride
Concen: 6.613 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN061108.D
Acq: 20 Apr 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
DUP-2020-04-16

Tot Ion:117 Resp: 14216
Ion Ratio Lower Upper
117 100
119 4.9 78.1 117.1#
121 0.0 24.0 36.0#

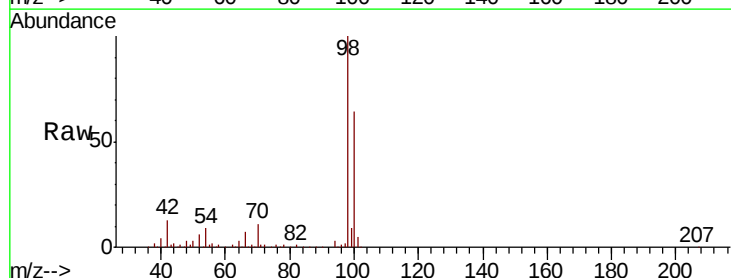


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

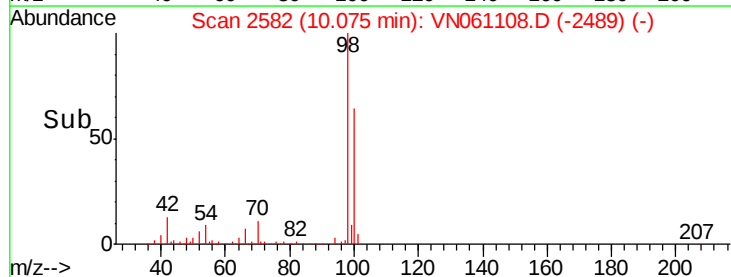
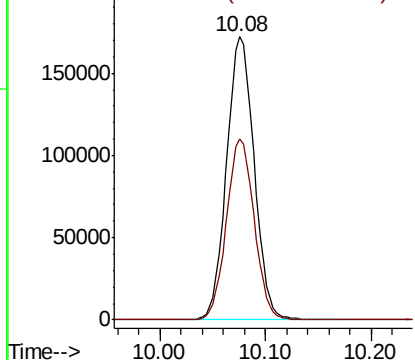


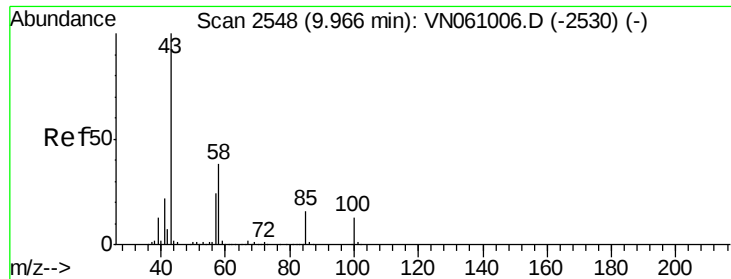
#50
Toluene-d8
Concen: 56.397 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061108.D
Acq: 20 Apr 2020 17:45

Tgt Ion: 98 Resp: 311484
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.546 ug/l

RT: 10.07 min Scan# 2581

Delta R.T. 0.11 min

Lab File: VN061108.D

Acq: 20 Apr 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

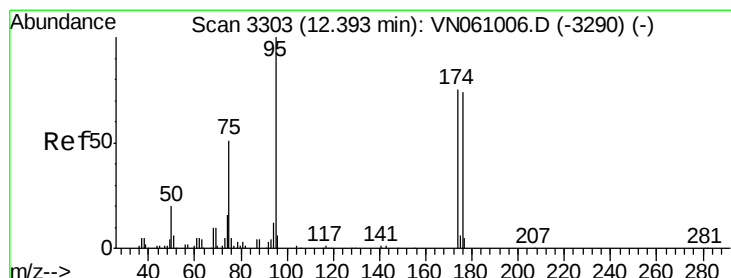
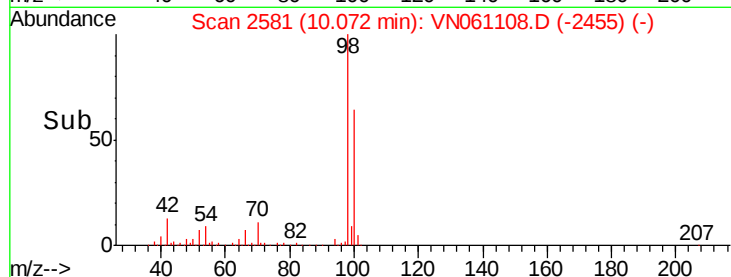
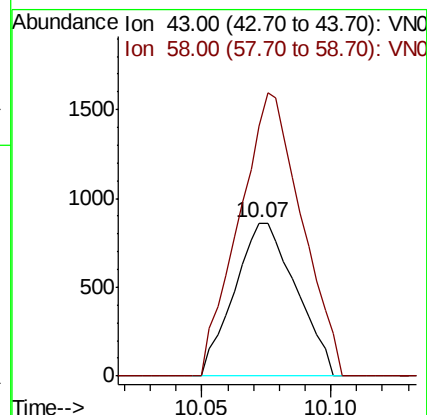
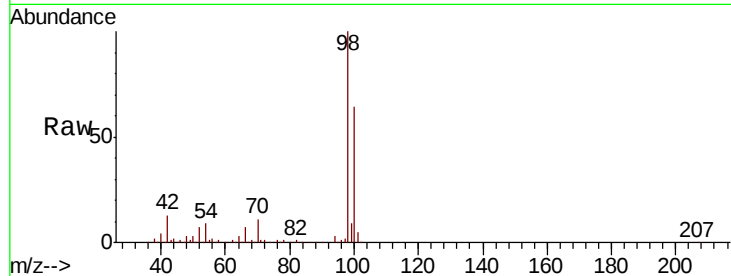
DUP-2020-04-16

Tot Ion: 43 Resp: 1435

Ion Ratio Lower Upper

43 100

58 187.8 30.3 45.5#



#62

4-Bromofluorobenzene

Concen: 51.771 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN061108.D

Acq: 20 Apr 2020 17:45

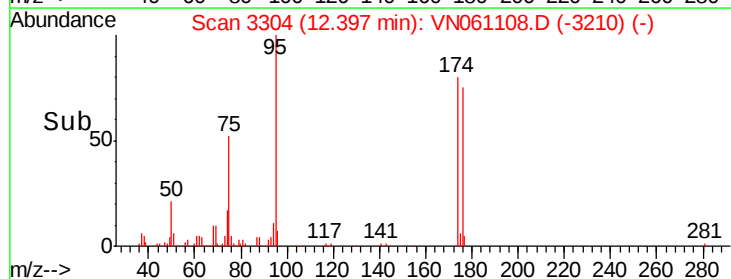
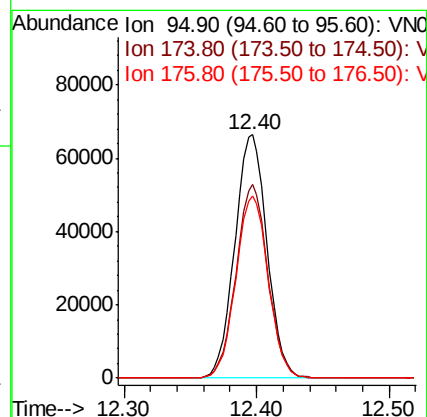
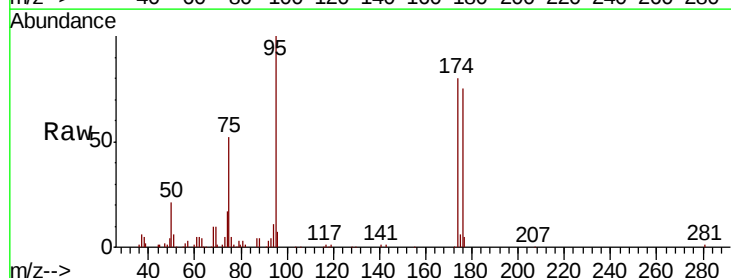
Tgt Ion: 95 Resp: 112066

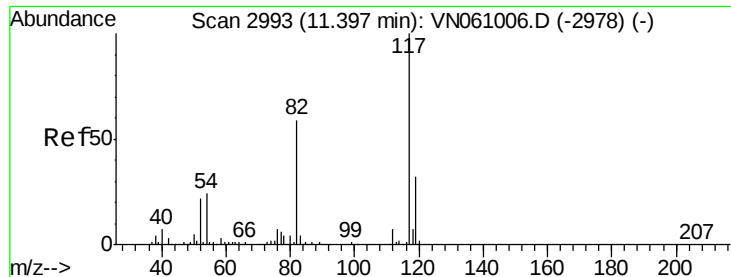
Ion Ratio Lower Upper

95 100

174 78.2 0.0 151.2

176 75.0 0.0 148.2

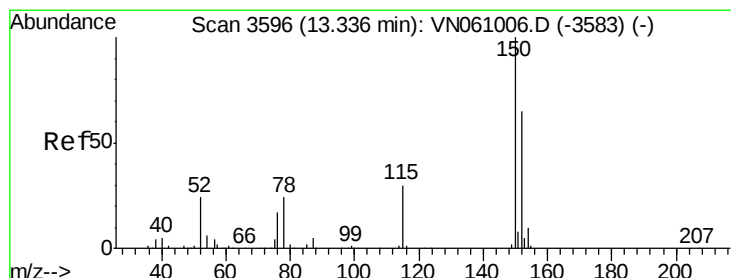
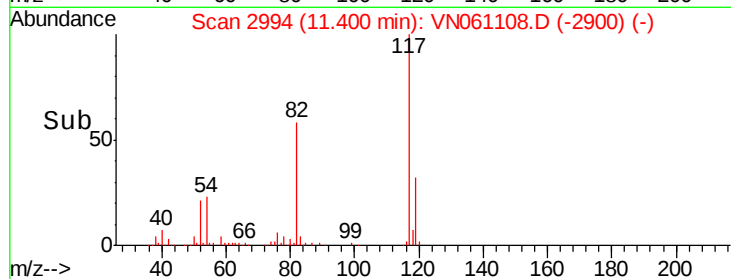
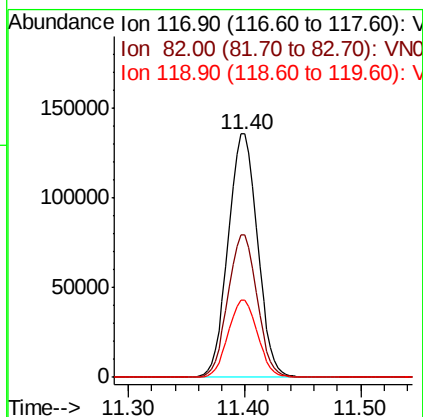
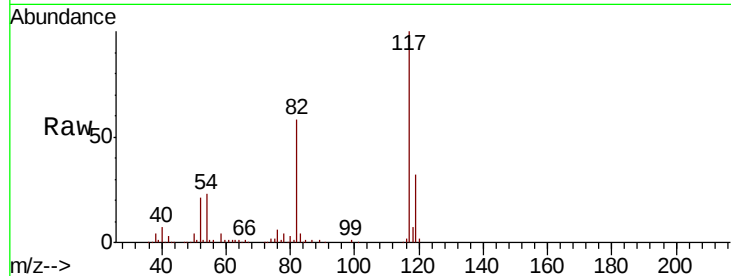




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN061108.D
Acq: 20 Apr 2020 17:45

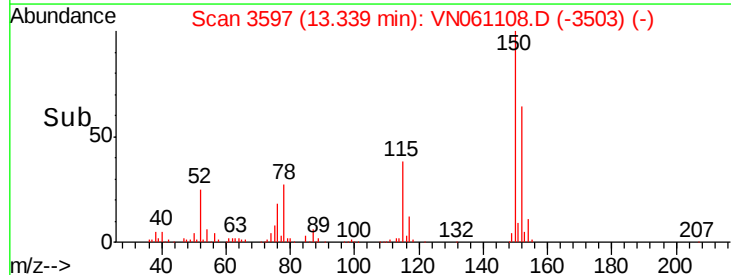
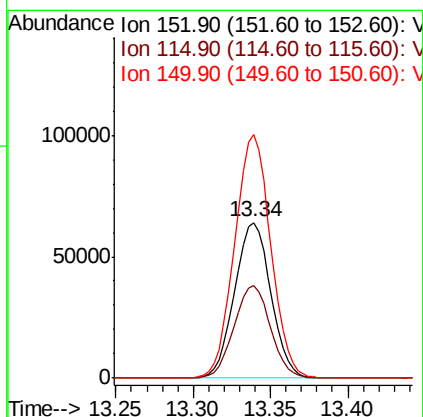
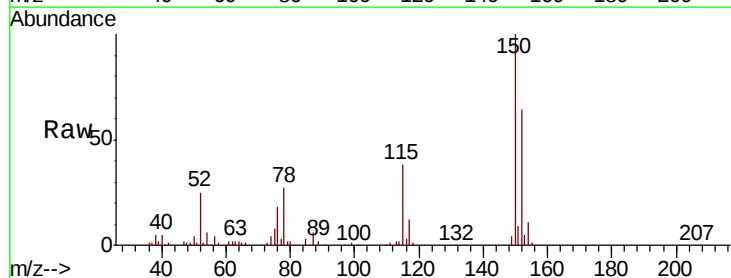
Instrument :
MSVOA_N
ClientSampleId :
DUP-2020-04-16

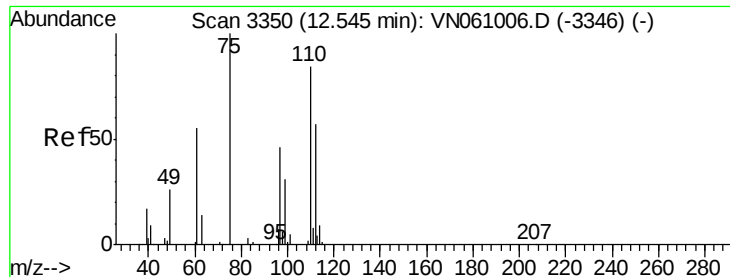
Tot Ion:117 Resp: 237298
Ion Ratio Lower Upper
117 100
82 58.3 47.1 70.7
119 31.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061108.D
Acq: 20 Apr 2020 17:45

Tgt Ion:152 Resp: 104442
Ion Ratio Lower Upper
152 100
115 59.7 30.8 92.4
150 155.8 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 25.530 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061108.D

Acq: 20 Apr 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

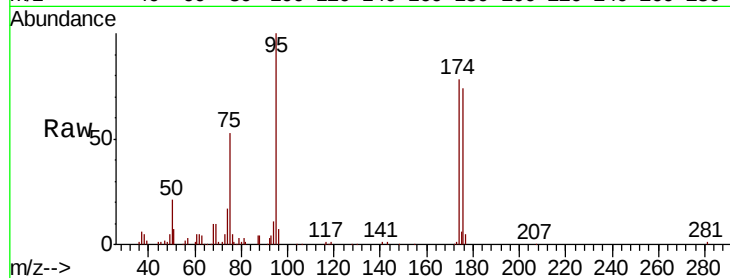
DUP-2020-04-16

Tot Ion: 75 Resp: 58651

Ion Ratio Lower Upper

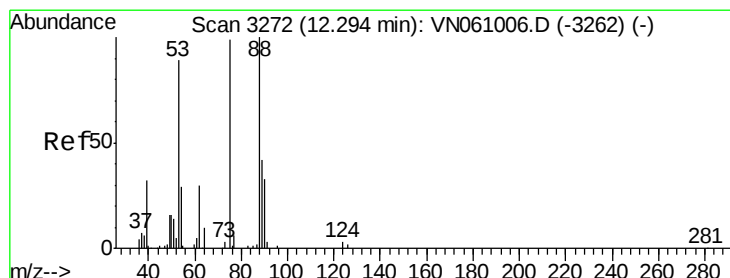
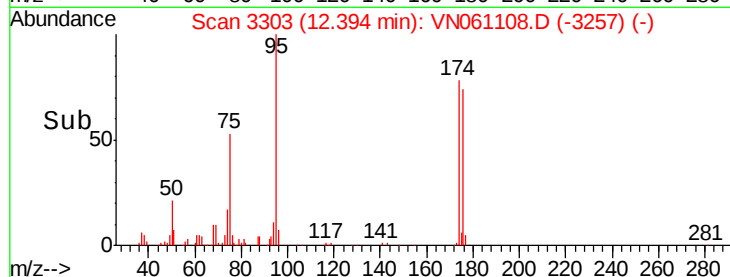
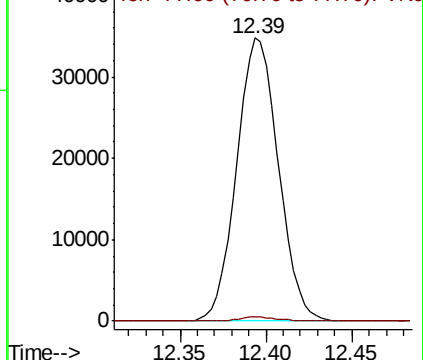
75 100

77 1.2 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: 62.973 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061108.D

Acq: 20 Apr 2020 17:45

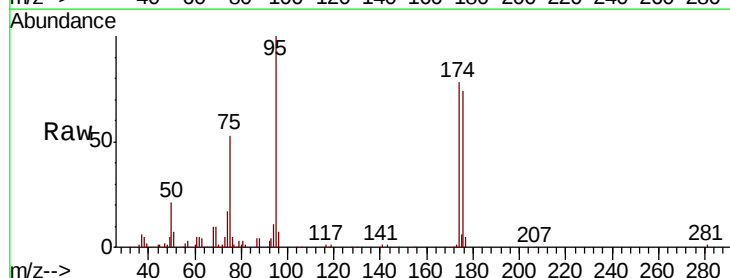
Tgt Ion: 75 Resp: 58651

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

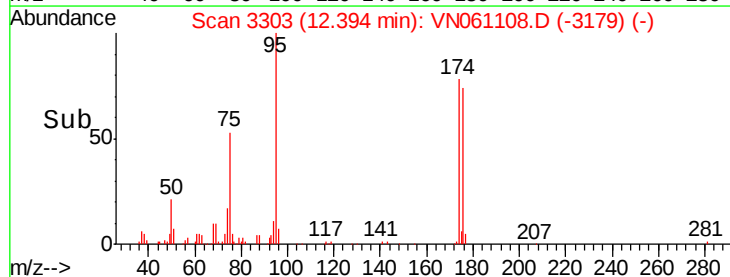
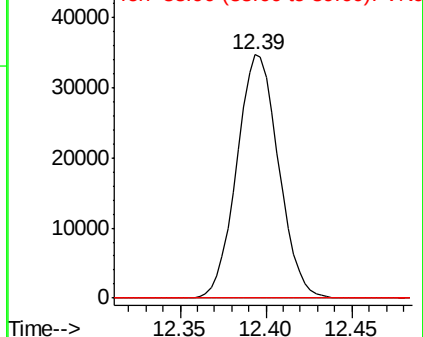
89 0.0 34.6 52.0#

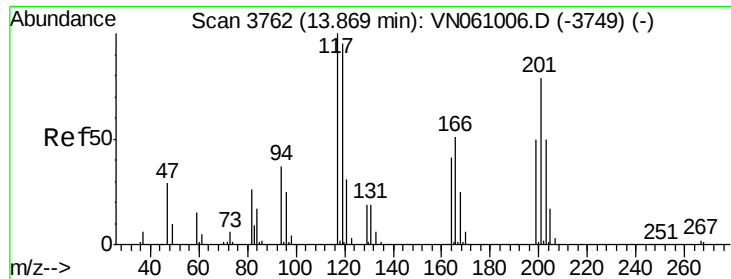


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#90

Hexachloroethane

Concen: 0.275 ug/l

RT: 13.99 min Scan# 3800

Delta R.T. 0.12 min

Lab File: VN061108.D

Acq: 20 Apr 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

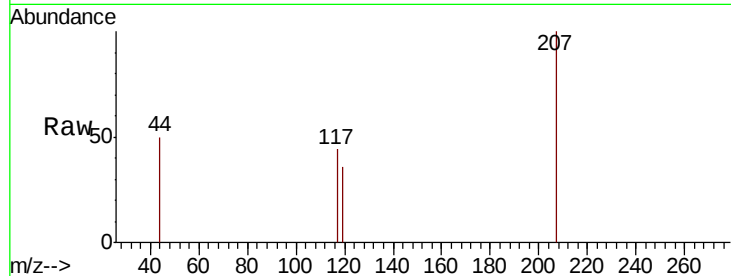
DUP-2020-04-16

Tot Ion:117 Resp: 296

Ion Ratio Lower Upper

117 100

201 0.0 39.3 117.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.99

250

200

150

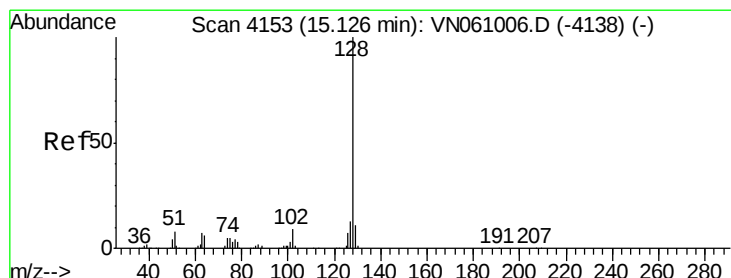
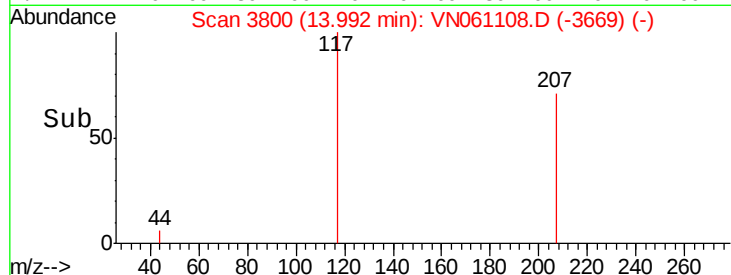
100

50

0

13.96 13.98 14.00

Time-->



#95

Naphthalene

Concen: 2.589 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN061108.D

Acq: 20 Apr 2020 17:45

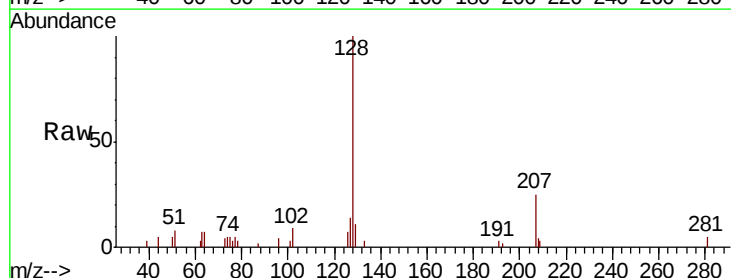
Tgt Ion:128 Resp: 14852

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

129 10.6 8.6 13.0



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

15.13

10000

8000

6000

4000

2000

0

15.05 15.10 15.15 15.20

Time-->

