

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061027.D
 Acq On : 16 Apr 2020 21:13
 Operator : JC/MD
 Sample : L2300-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 17 04:01:54 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

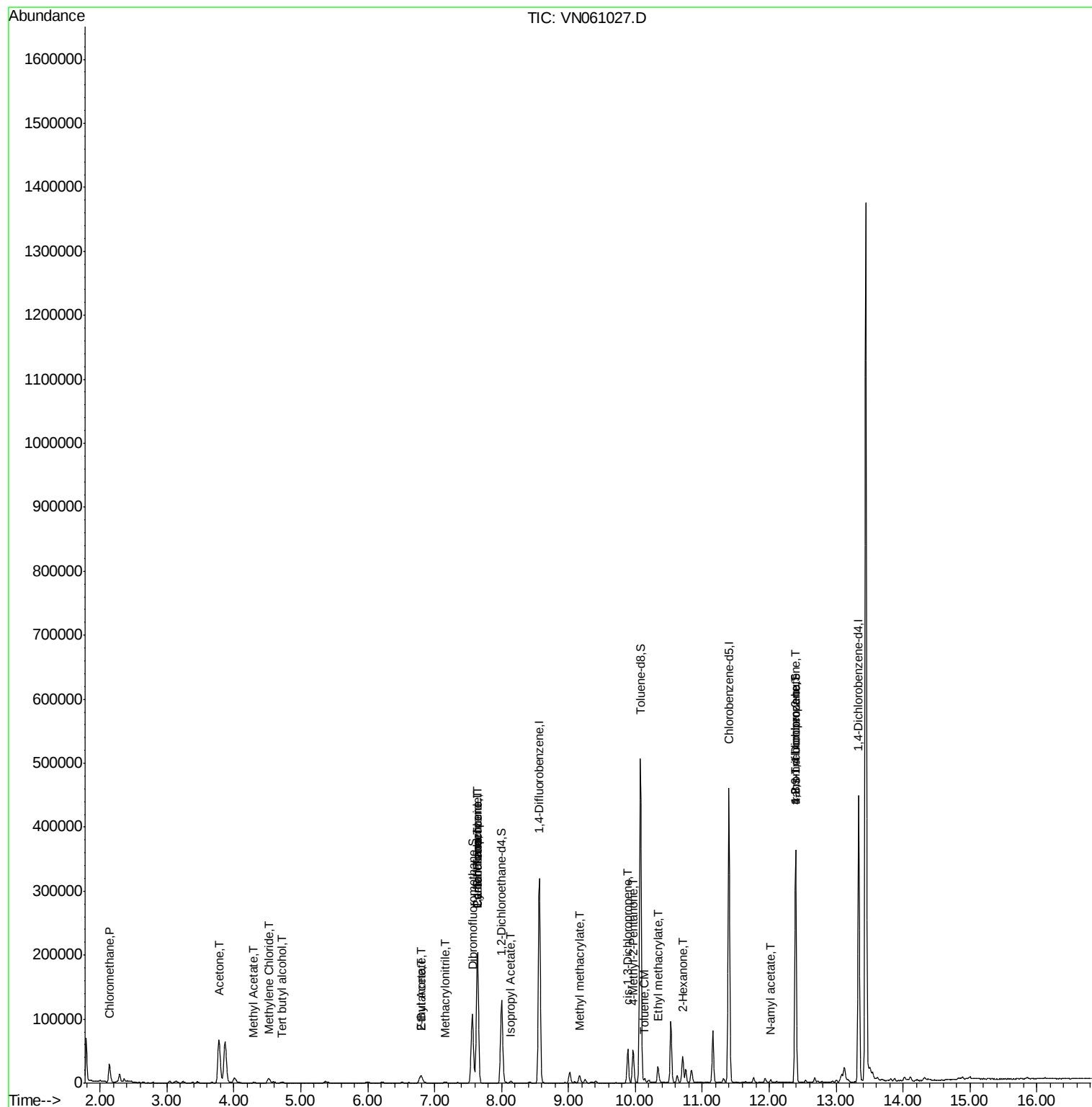
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	164285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	280194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	258941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	114445	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	110754	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	7.56	113	83220	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.08	98	345016	55.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.60%	
62) 4-Bromofluorobenzene	12.39	95	127919	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.14	50	1285	0.441	ug/l #	83
11) Tert butyl alcohol	4.72	59	1472	3.947	ug/l #	73
16) Acetone	3.78	43	116812	126.261	ug/l	100
18) Methyl Acetate	4.29	43	1163	0.401	ug/l #	54
20) Methylene Chloride	4.52	84	5481	2.713	ug/l	95
25) 2-Butanone	6.80	43	22746	16.044	ug/l	99
31) Cyclohexane	7.64	56	3559	0.909	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13064	4.518	ug/l #	50
37) Ethyl Acetate	6.80	43	22746	7.245	ug/l #	69
38) Carbon Tetrachloride	7.64	117	16074	6.679	ug/l #	15
41) Methacrylonitrile	7.16	41	268	0.205	ug/l #	100
43) Isopropyl Acetate	8.14	43	3630	0.711	ug/l #	79
48) Methyl methacrylate	9.16	41	2521	1.117	ug/l #	28
51) 4-Methyl-2-Pentanone	9.97	43	35065	11.913	ug/l	100
52) Toluene	10.14	92	2693	0.523	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	8418	2.354	ug/l #	65
56) Ethyl methacrylate	10.34	69	4085	1.334	ug/l #	54
59) 2-Hexanone	10.71	43	34933	16.456	ug/l #	26
74) N-amyl acetate	12.02	43	3126	0.733	ug/l #	47
76) 1,2,3-Trichloropropane	12.39	75	64633	25.675	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	64633	63.330	ug/l #	12

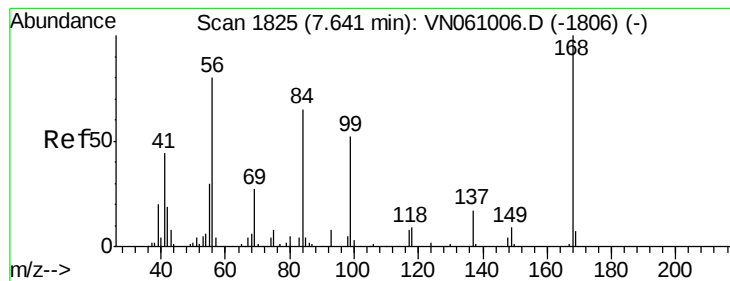
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061027.D

Acq: 16 Apr 2020 21:13

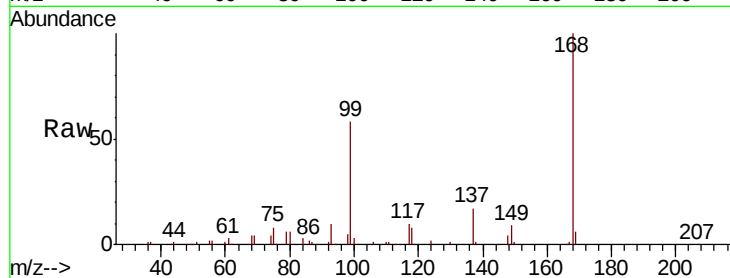
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 164285

Ion Ratio Lower Upper

168 100

99 58.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN061006.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN061006.D (-1806) (-)

7.64

80000

60000

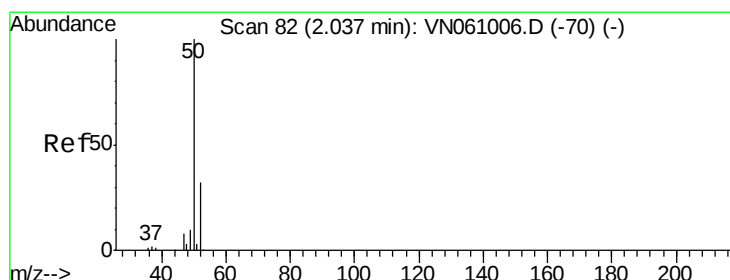
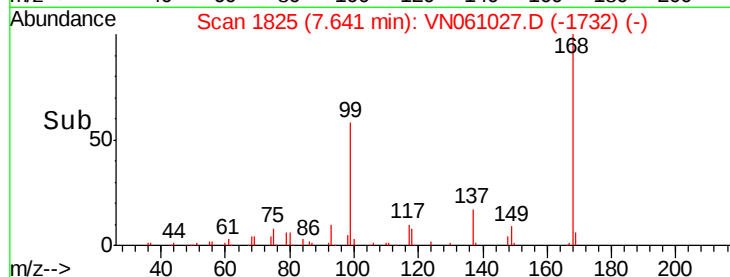
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.441 ug/l

RT: 2.14 min Scan# 114

Delta R.T. 0.10 min

Lab File: VN061027.D

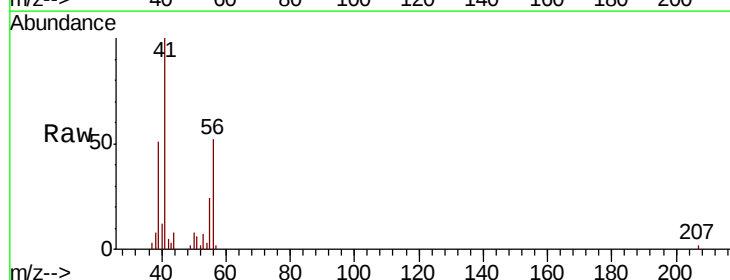
Acq: 16 Apr 2020 21:13

Tgt Ion: 50 Resp: 1285

Ion Ratio Lower Upper

50 100

52 22.8 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN061006.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN061006.D (-70) (-)

2.14

1000

800

600

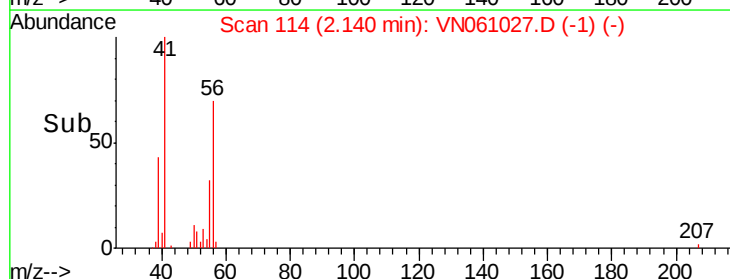
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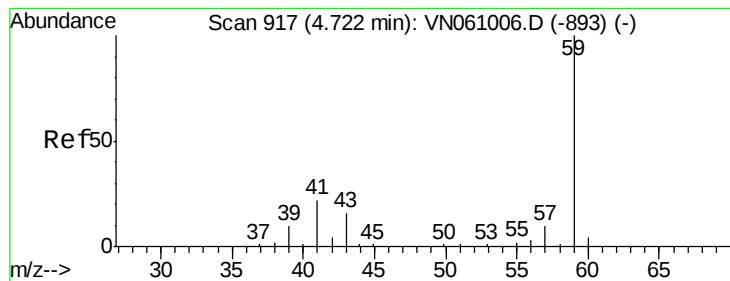
200

0

2.10 2.12 2.14 2.16 2.18

Time-->



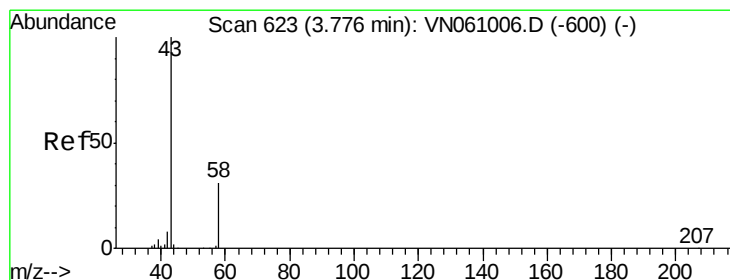
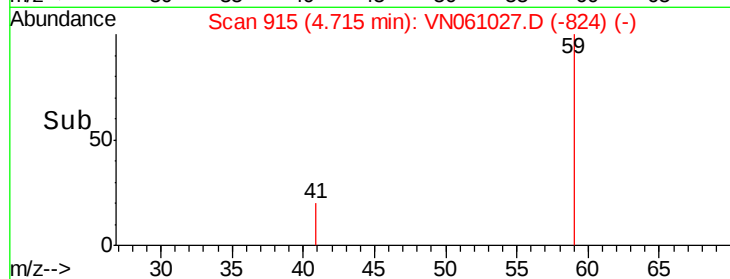
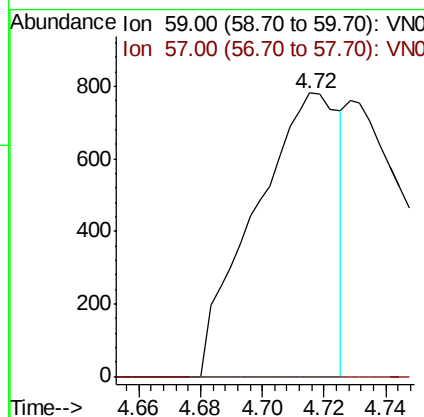
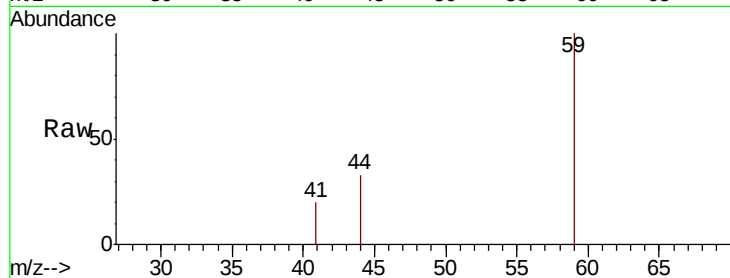


#11

Tert butyl alcohol
 Concen: 3.947 ug/l
 RT: 4.72 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VN061027.D
 Acq: 16 Apr 2020 21:13

Instrument :
 MSVOA_N
 ClientSampleId :

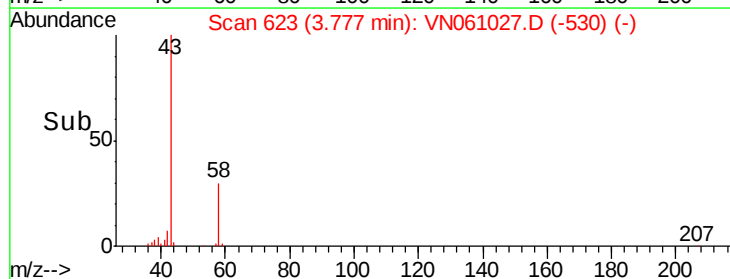
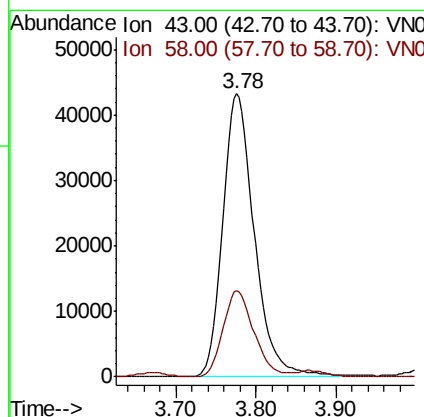
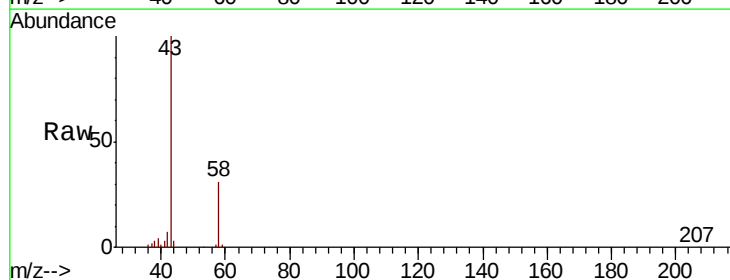
Tot Ion: 59 Resp: 1472
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

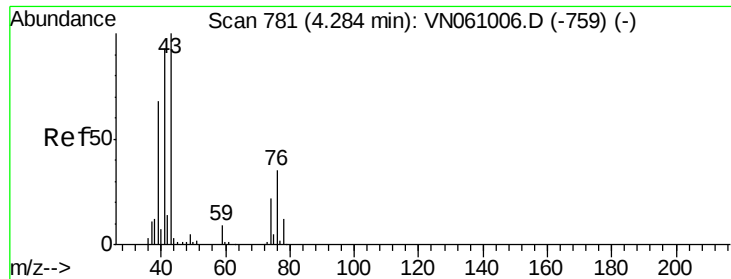


#16

Acetone
 Concen: 126.261 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN061027.D
 Acq: 16 Apr 2020 21:13

Tgt Ion: 43 Resp: 116812
 Ion Ratio Lower Upper
 43 100
 58 30.7 24.6 37.0

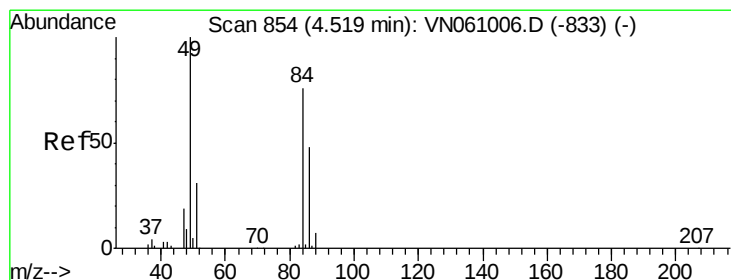
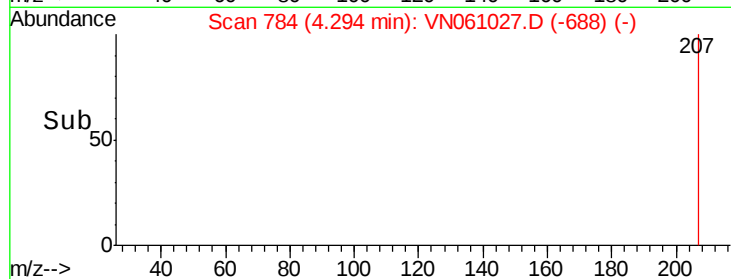
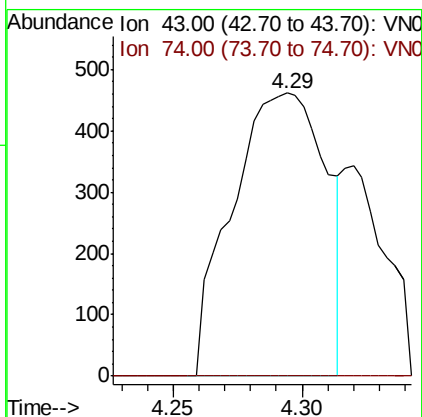
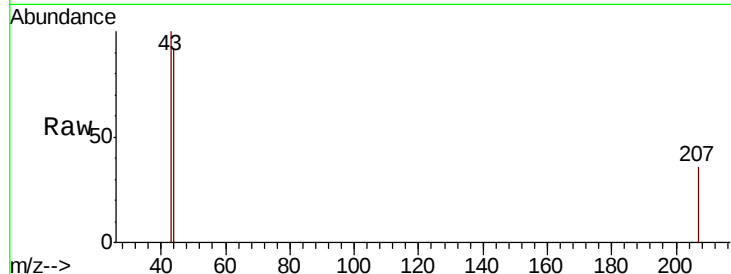




#18
Methyl Acetate
Concen: 0.401 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN061027.D
Acq: 16 Apr 2020 21:13

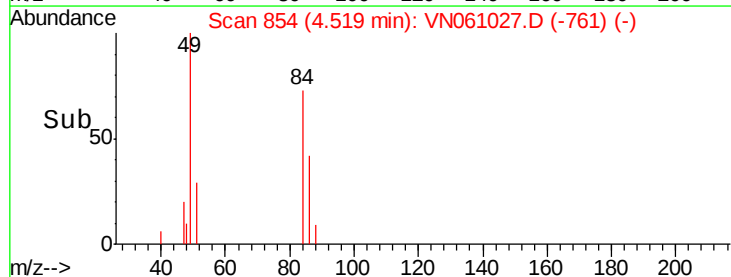
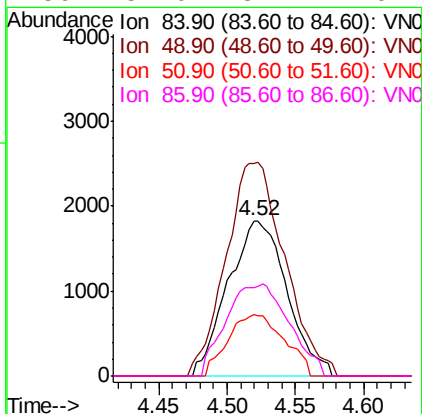
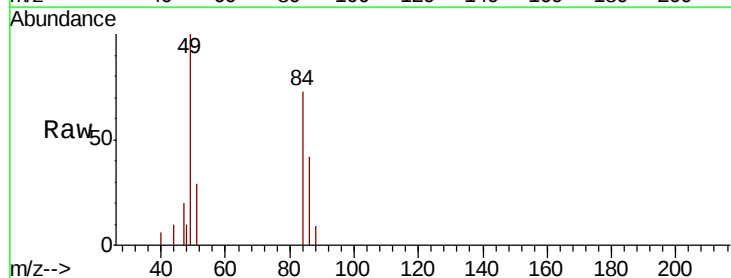
Instrument :
MSVOA_N
ClientSampled :

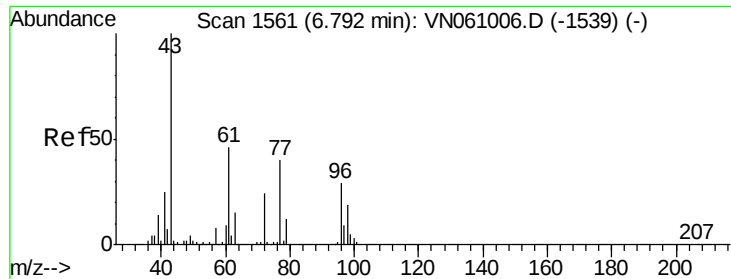
Tot Ion: 43 Resp: 1163
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#20
Methylene Chloride
Concen: 2.713 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061027.D
Acq: 16 Apr 2020 21:13

Tgt Ion: 84 Resp: 5481
Ion Ratio Lower Upper
84 100
49 137.3 105.8 158.6
51 39.4 32.4 48.6
86 57.0 51.1 76.7

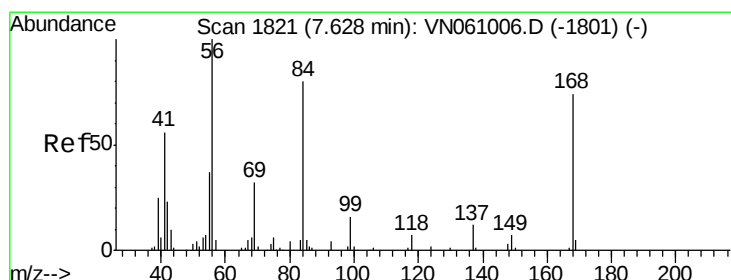
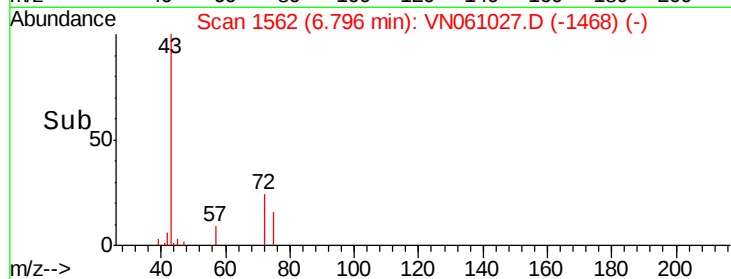
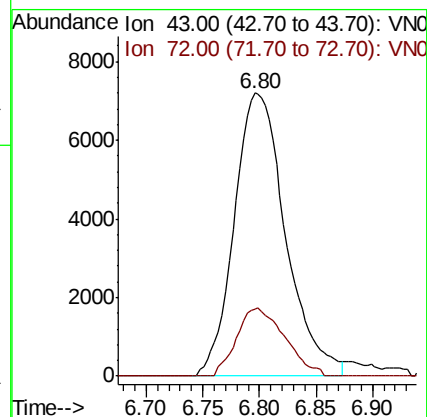
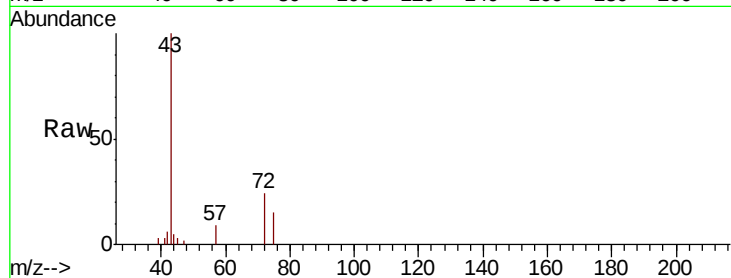




#25
2-Butanone
Concen: 16.044 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061027.D
Acq: 16 Apr 2020 21:13

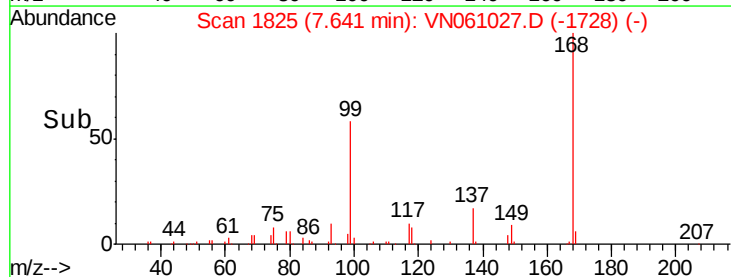
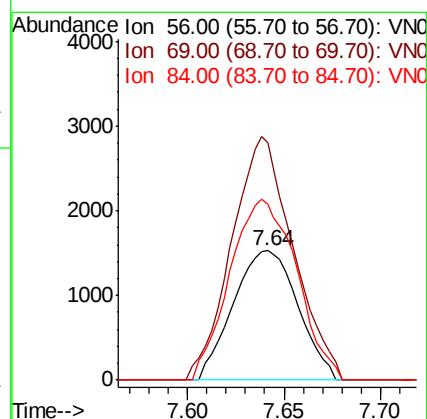
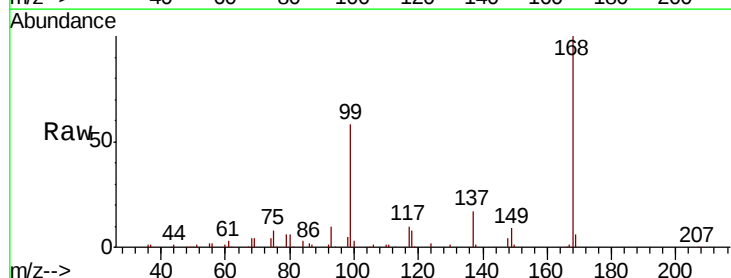
Instrument :
MSVOA_N
ClientSampleId :

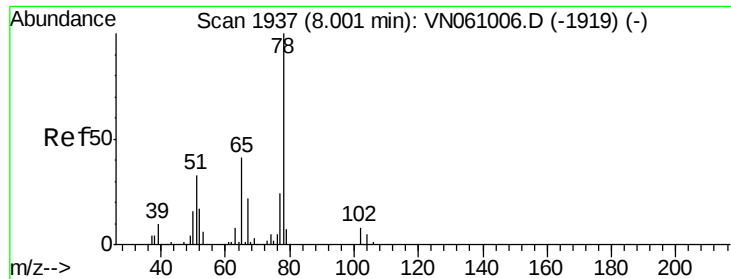
Tot Ion: 43 Resp: 22746
Ion Ratio Lower Upper
43 100
72 23.9 19.6 29.4



#31
Cyclohexane
Concen: 0.909 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN061027.D
Acq: 16 Apr 2020 21:13

Tgt Ion: 56 Resp: 3559
Ion Ratio Lower Upper
56 100
69 183.0 25.6 38.4#
84 135.2 63.4 95.2#

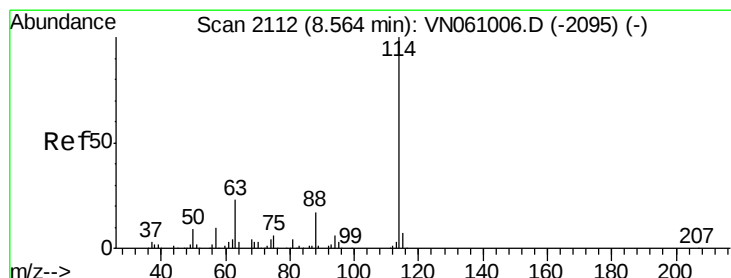
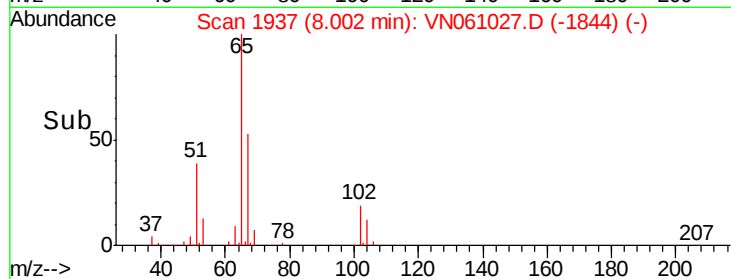
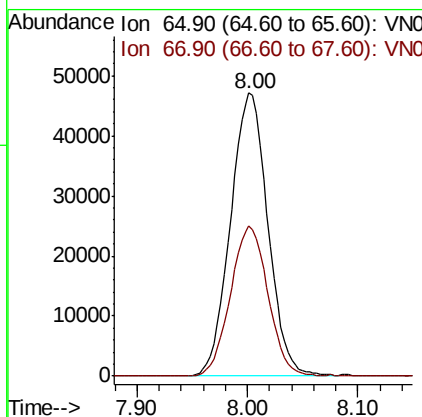
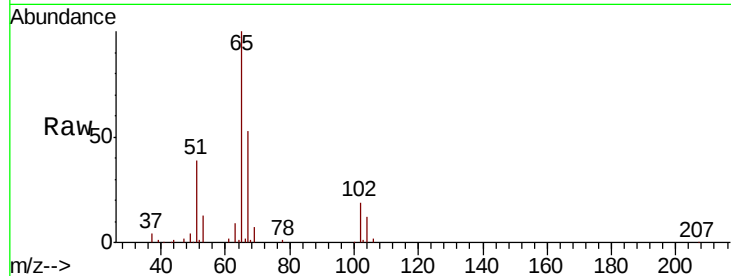




#33
 1,2-Dichloroethane-d4
 Concen: 52.692 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061027.D
 Acq: 16 Apr 2020 21:13

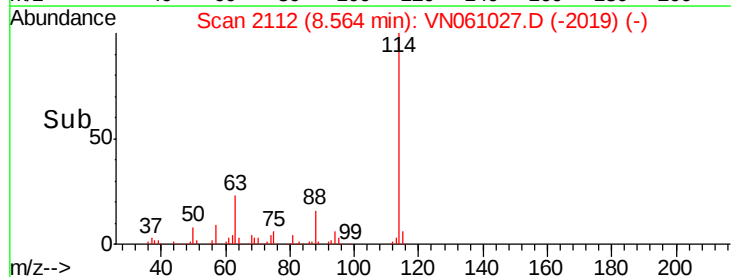
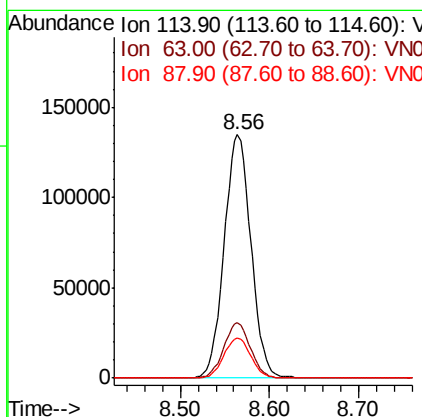
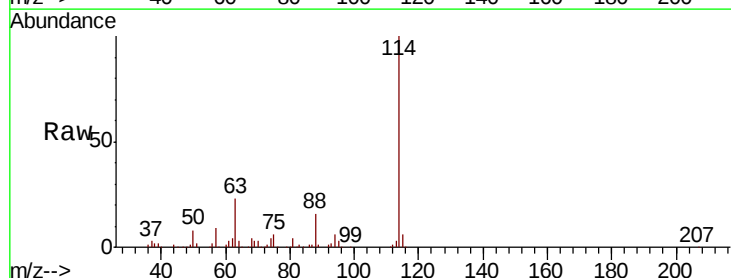
Instrument :
 MSVOA_N
 ClientSampled :

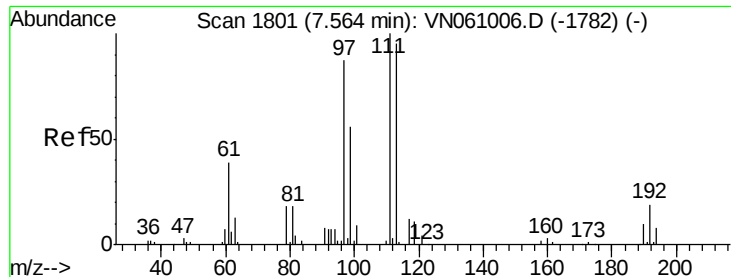
Tot Ion: 65 Resp: 110754
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061027.D
 Acq: 16 Apr 2020 21:13

Tgt Ion: 114 Resp: 280194
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 46.2
 88 16.3 0.0 33.4

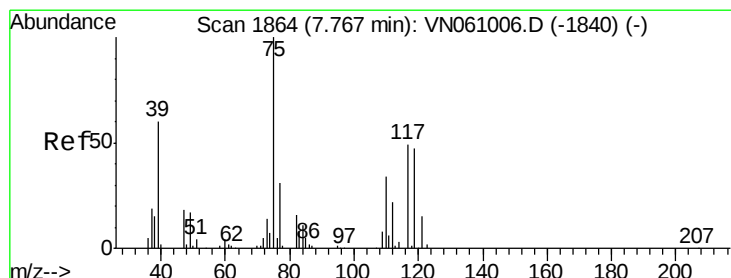
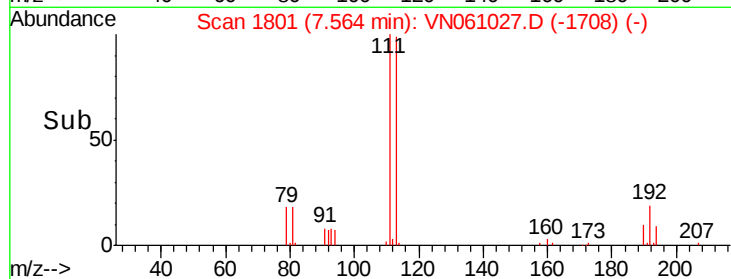
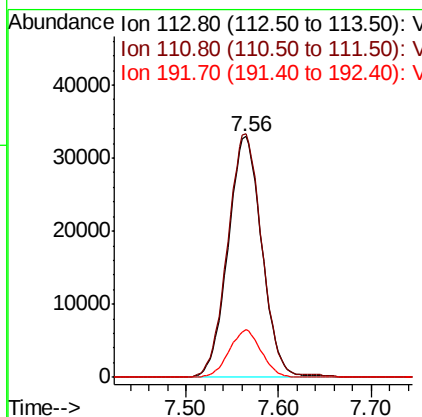
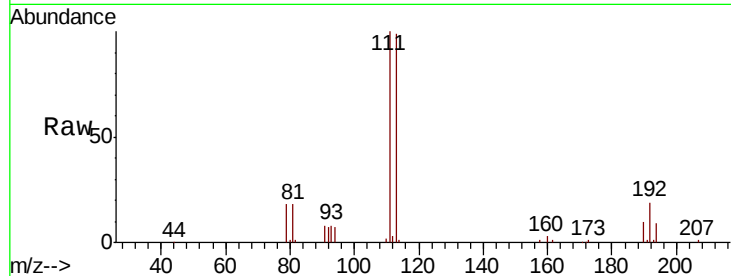




#35
 Dibromofluoromethane
 Concen: 50.859 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061027.D
 Acq: 16 Apr 2020 21:13

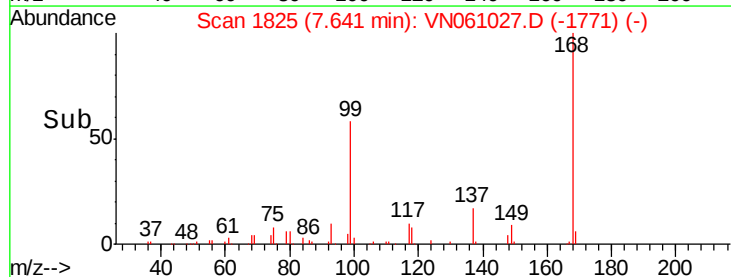
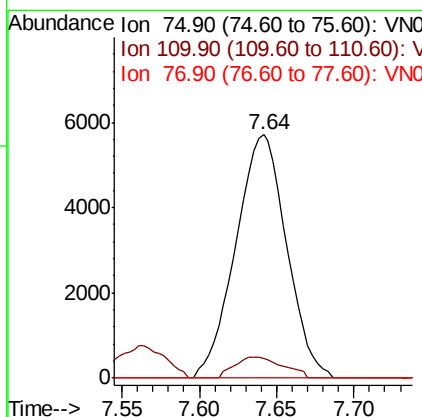
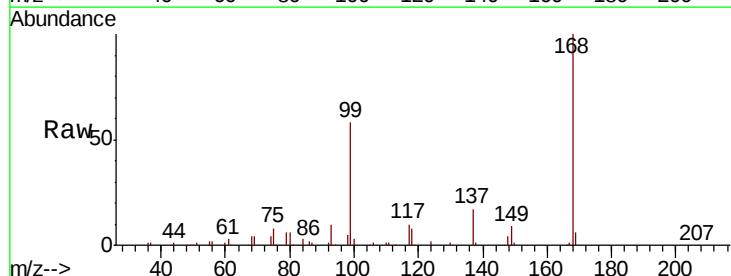
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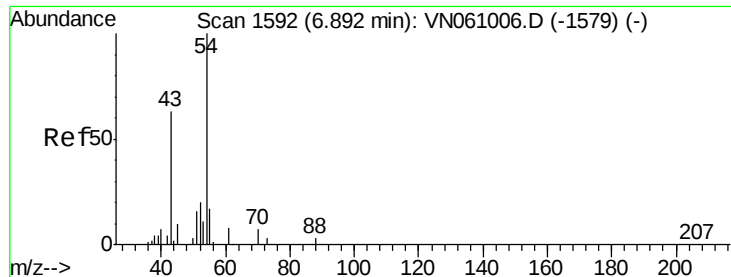
Tot Ion:113 Resp: 83220
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.4 125.2
 192 18.7 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.518 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN061027.D
 Acq: 16 Apr 2020 21:13

Tgt Ion: 75 Resp: 13064
 Ion Ratio Lower Upper
 75 100
 110 8.2 16.8 50.3#
 77 0.0 24.7 37.1#

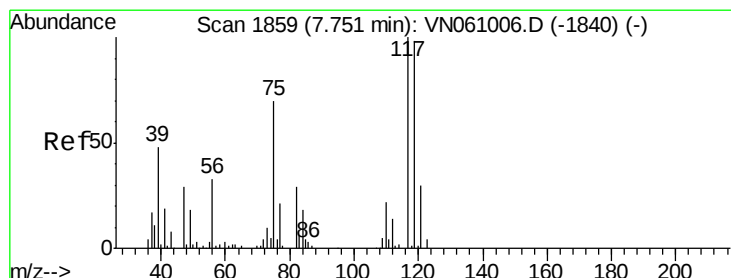
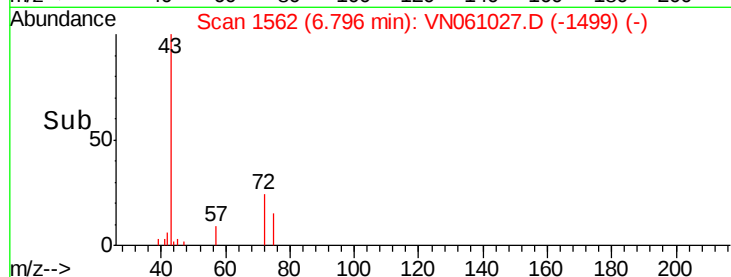
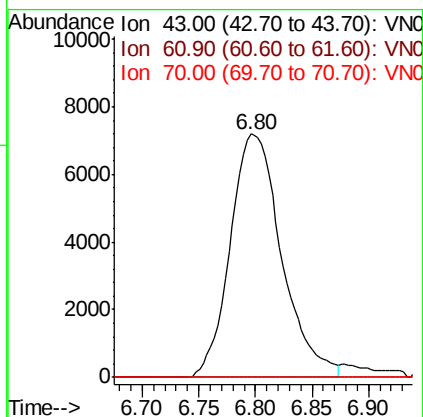
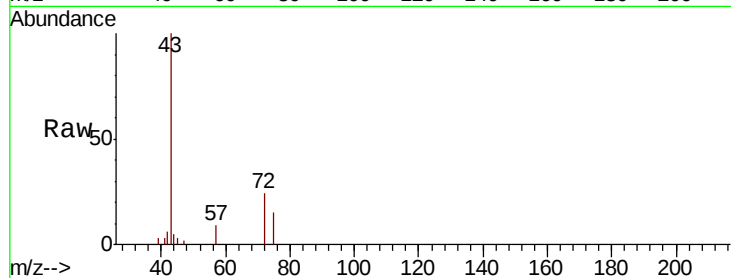




#37
Ethyl Acetate
Concen: 7.245 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VN061027.D
Acq: 16 Apr 2020 21:13

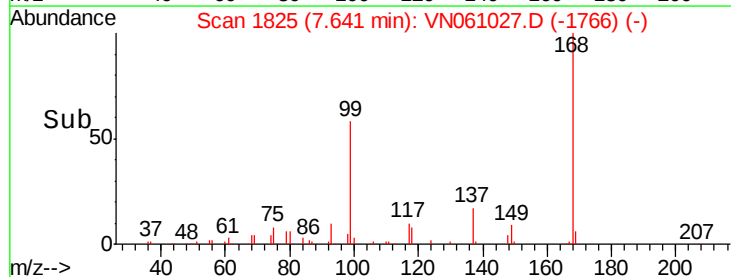
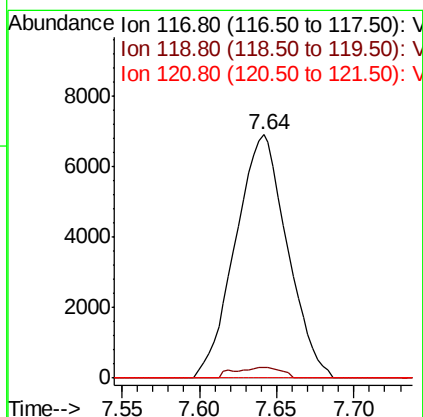
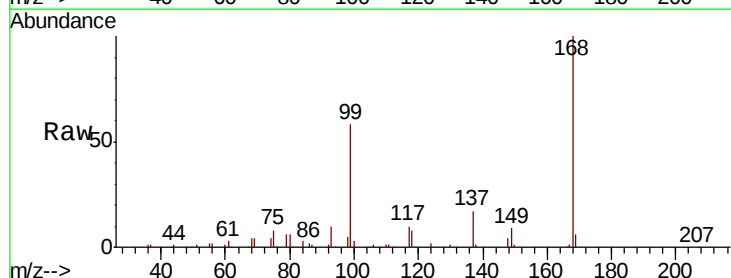
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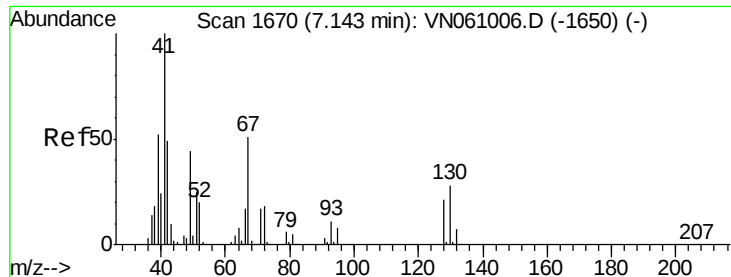
Tot Ion: 43 Resp: 22746
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.679 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN061027.D
Acq: 16 Apr 2020 21:13

Tgt Ion: 117 Resp: 16074
Ion Ratio Lower Upper
117 100
119 4.4 78.1 117.1#
121 0.0 24.0 36.0#

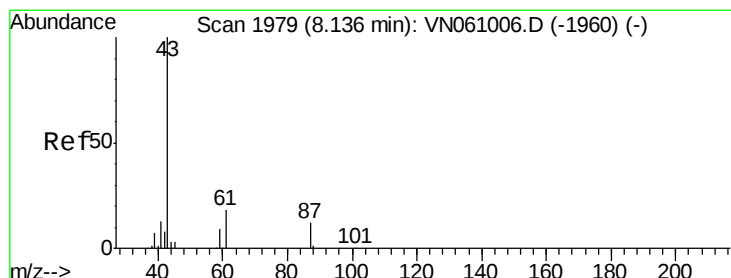
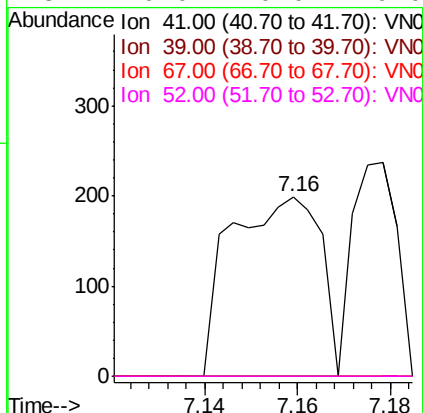
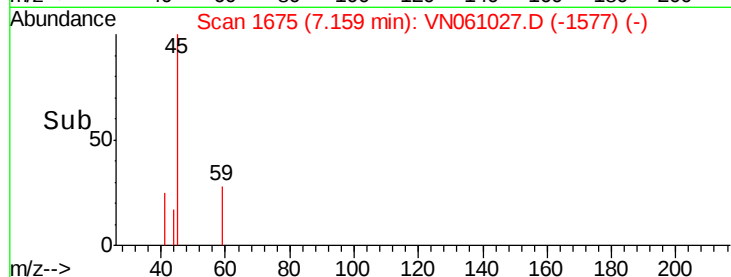
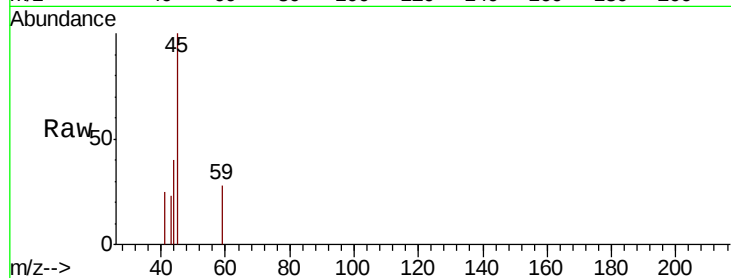




#41
Methacrylonitrile
Concen: 0.205 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.02 min
Lab File: VN061027.D
Acq: 16 Apr 2020 21:13

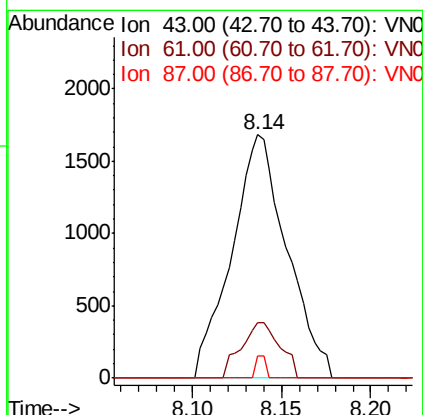
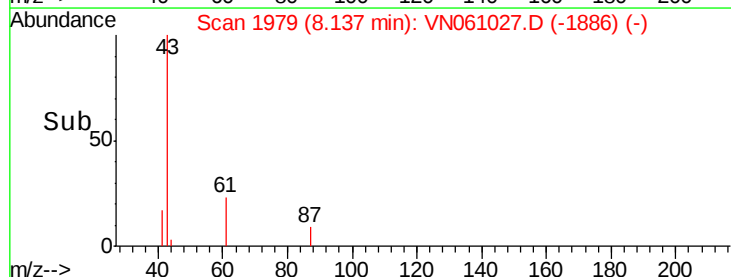
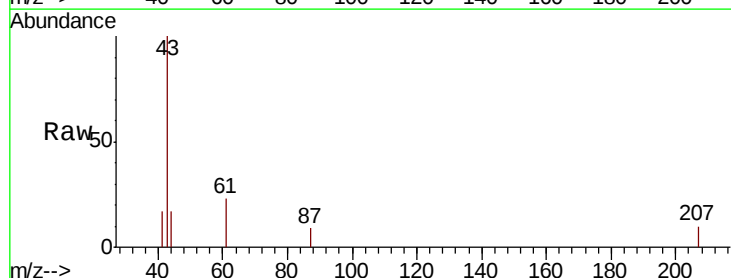
Instrument :
MSVOA_N
ClientSampled :

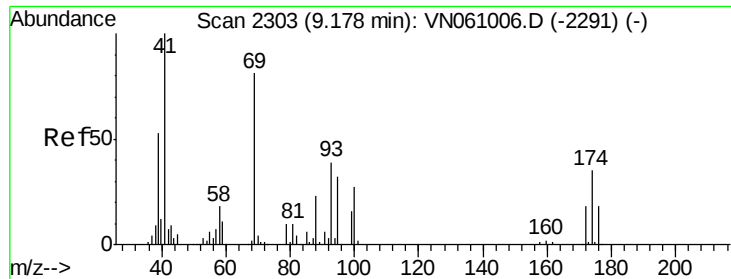
Tot Ion:	41	Resp:	268
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 0.711 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. 0.00 min
Lab File: VN061027.D
Acq: 16 Apr 2020 21:13

Tgt Ion:	43	Resp:	3630
Ion	Ratio	Lower	Upper
43	100		
61	16.1	20.3	30.5#
87	1.6	9.4	14.2#

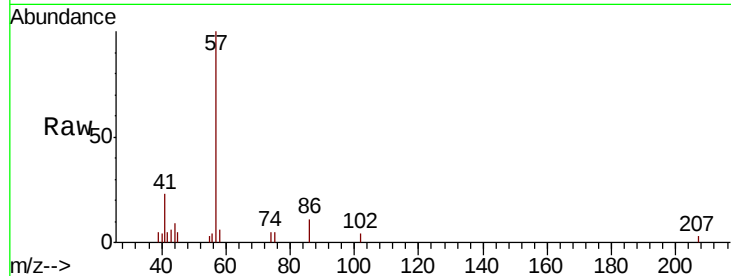




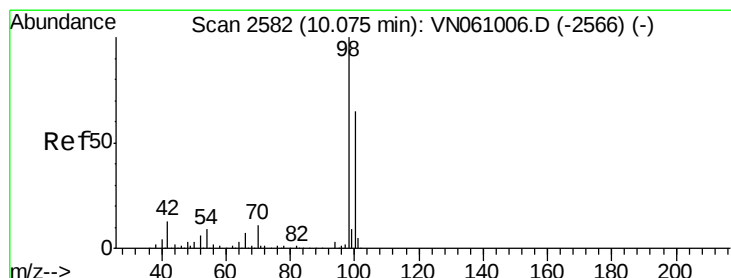
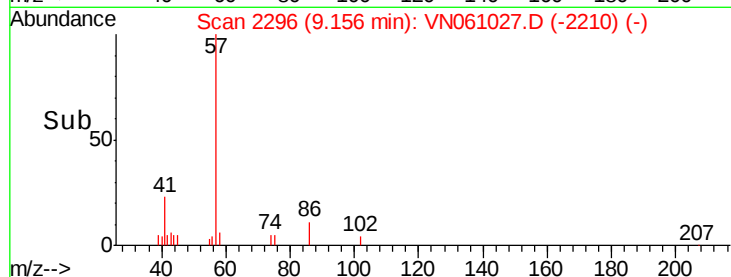
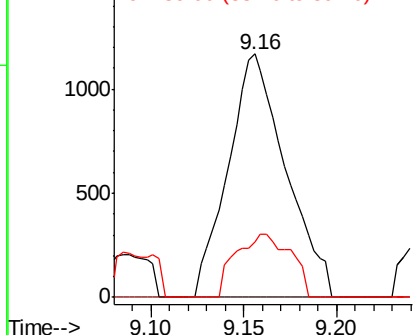
#48
Methvl methacrylate
Concen: 1.117 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.02 min
Lab File: VN061027.D
Acq: 16 Apr 2020 21:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 2521
Ion Ratio Lower Upper
41 100
69 0.0 65.3 97.9#
39 24.6 45.2 67.8#

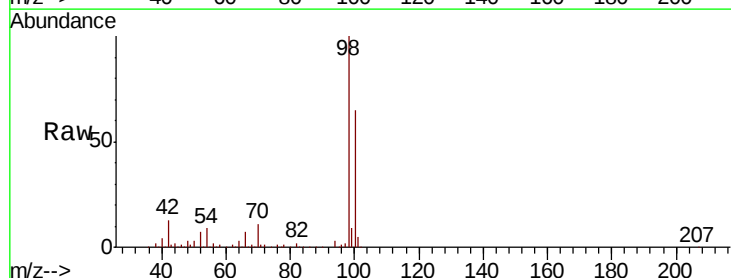


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

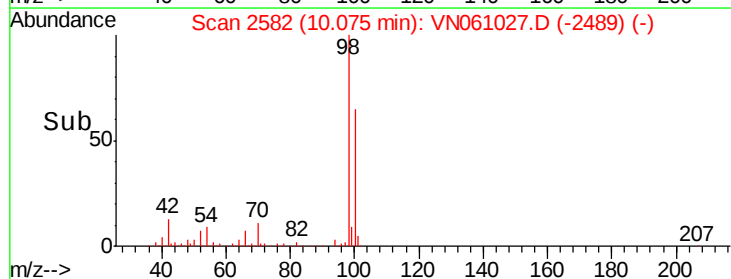
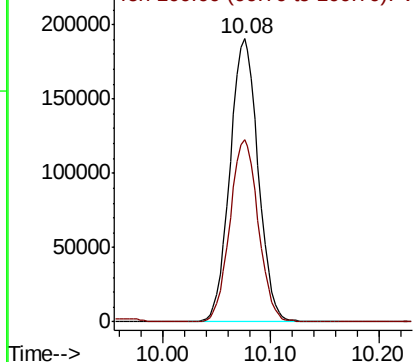


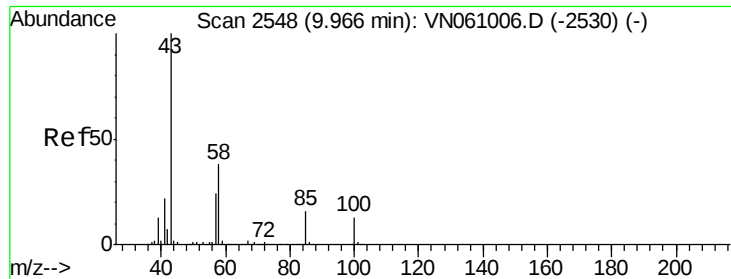
#50
Toluene-d8
Concen: 55.799 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061027.D
Acq: 16 Apr 2020 21:13

Tgt Ion: 98 Resp: 345016
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

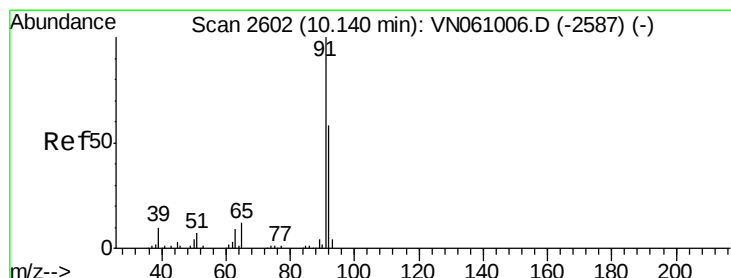
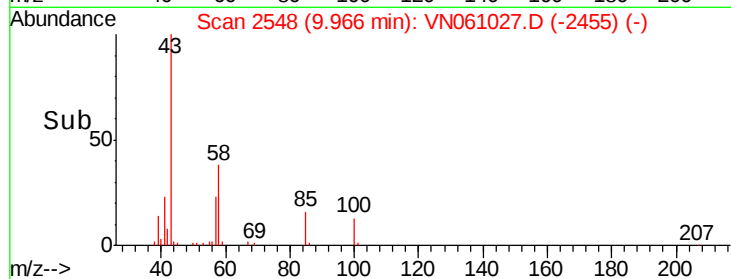
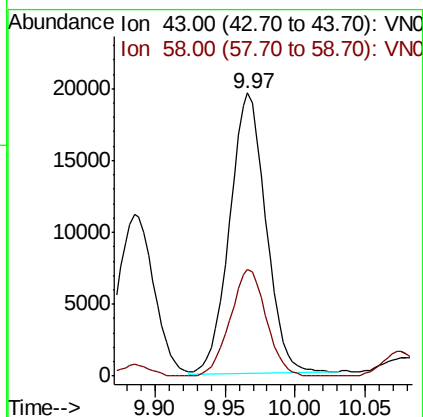
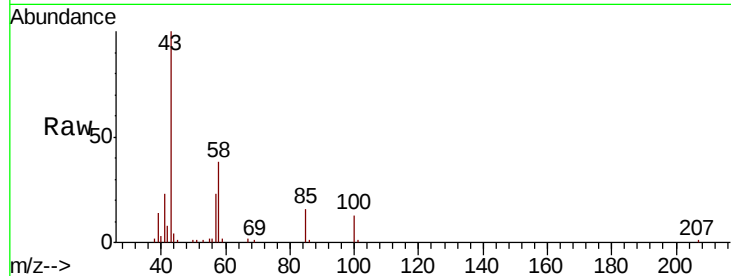




#51
 4-Methyl-2-Pentanone
 Concen: 11.913 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: VN061027.D
 Acq: 16 Apr 2020 21:13

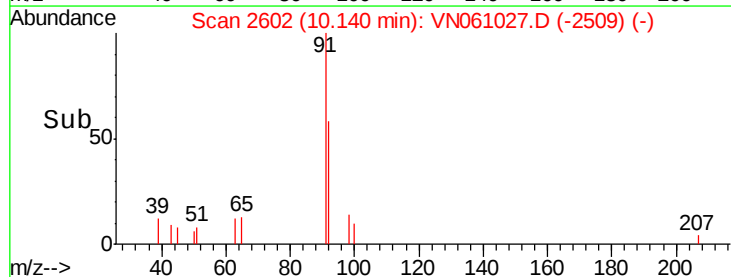
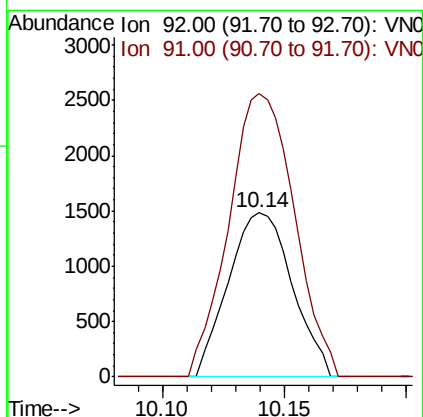
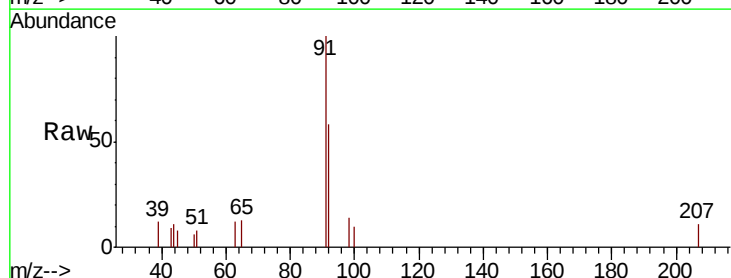
Instrument :
 MSVOA_N
 ClientSampled :

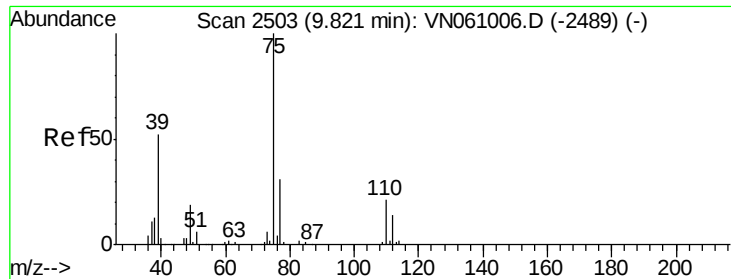
Tot Ion: 43 Resp: 35065
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.3 45.5



#52
 Toluene
 Concen: 0.523 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. 0.00 min
 Lab File: VN061027.D
 Acq: 16 Apr 2020 21:13

Tgt Ion: 92 Resp: 2693
 Ion Ratio Lower Upper
 92 100
 91 177.1 137.7 206.5



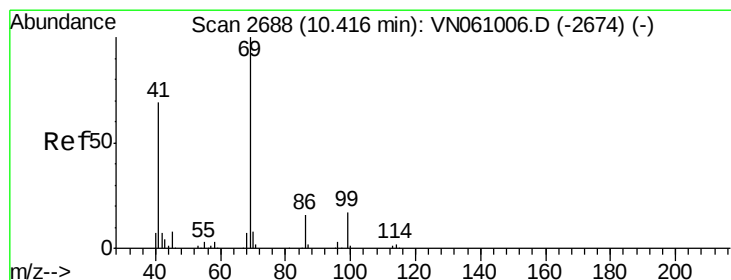
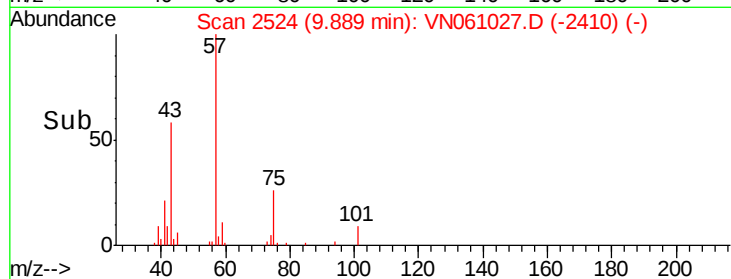
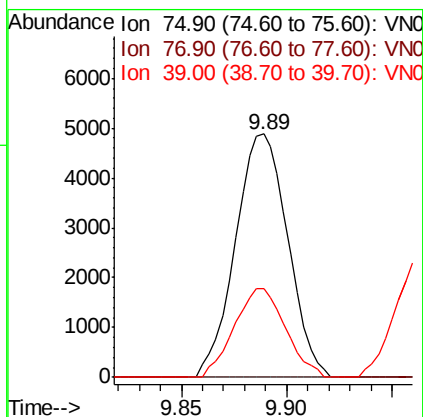
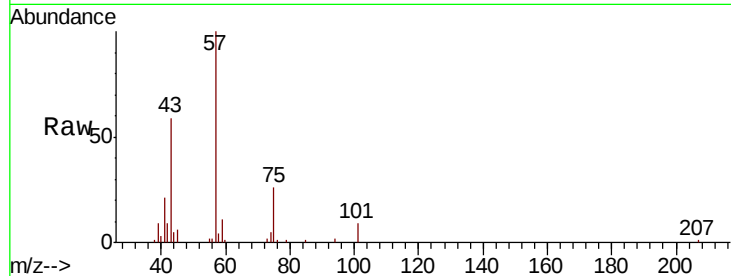


#54

cis-1,3-Dichloropropene
 Concen: 2.354 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.07 min
 Lab File: VN061027.D
 Acq: 16 Apr 2020 21:13

Instrument :
 MSVOA_N
 ClientSampleId :

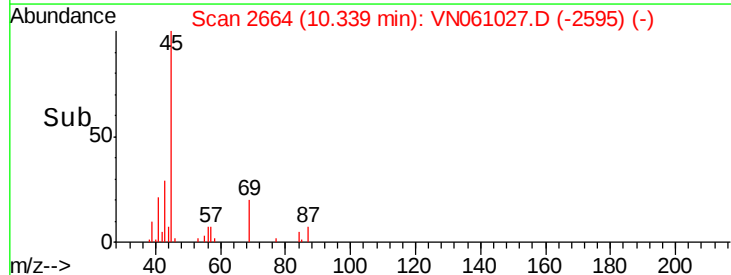
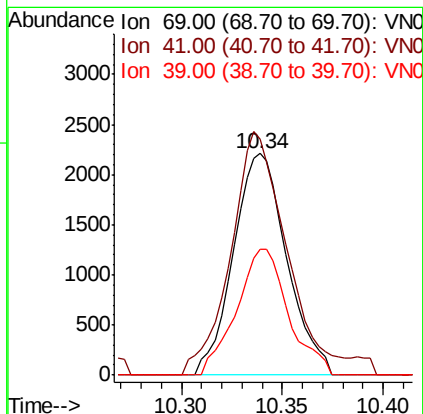
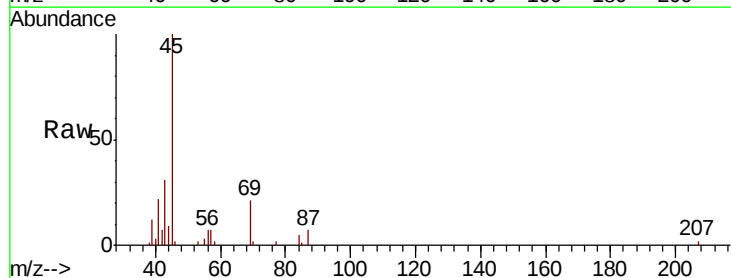
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.0	37.6#
39	36.3	41.4	62.2#

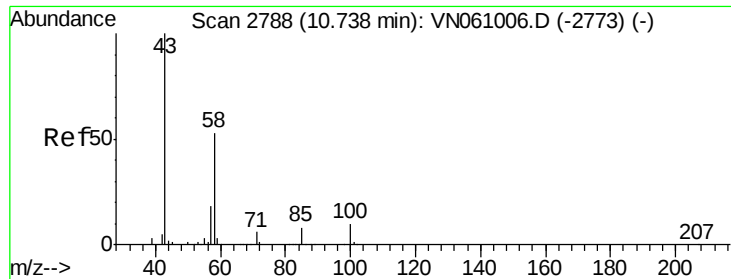


#56

Ethyl methacrylate
 Concen: 1.334 ug/l
 RT: 10.34 min Scan# 2664
 Delta R.T. -0.08 min
 Lab File: VN061027.D
 Acq: 16 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	114.9	56.7	85.1#
39	55.3	29.4	44.0#

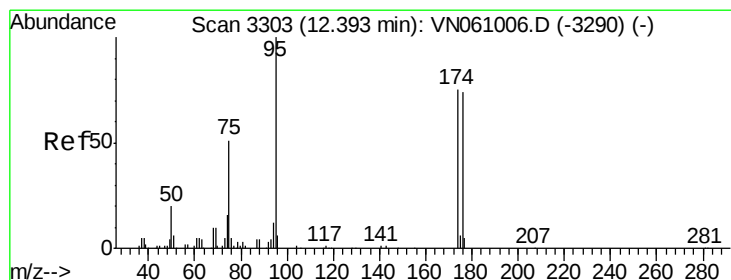
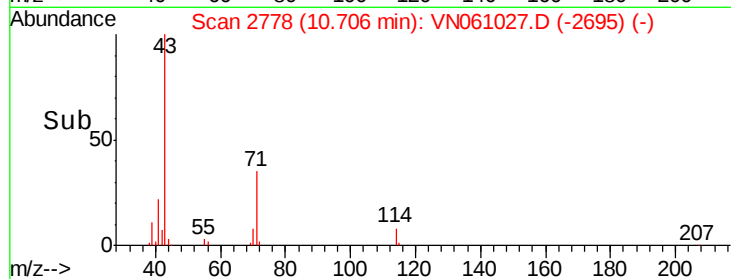
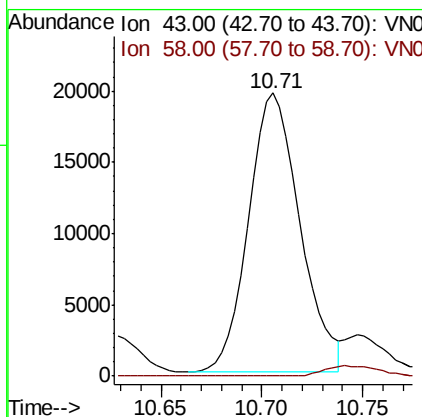
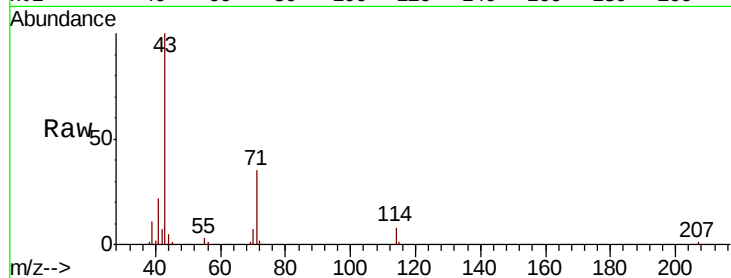




#59
2-Hexanone
Concen: 16.456 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.03 min
Lab File: VN061027.D
Acq: 16 Apr 2020 21:13

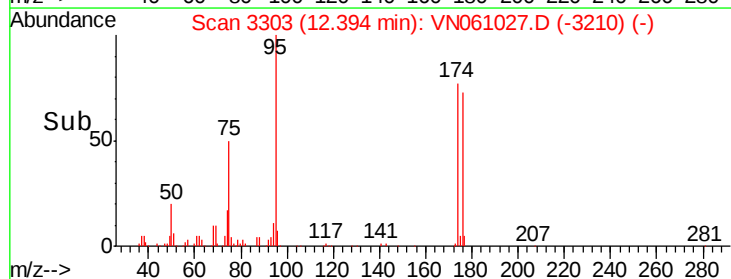
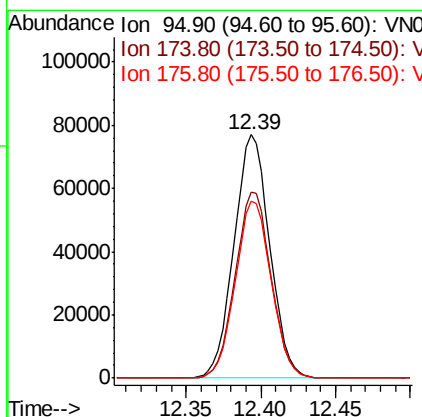
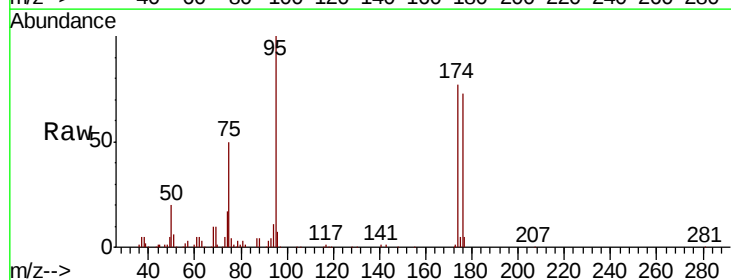
Instrument :
MSVOA_N
ClientSampled :

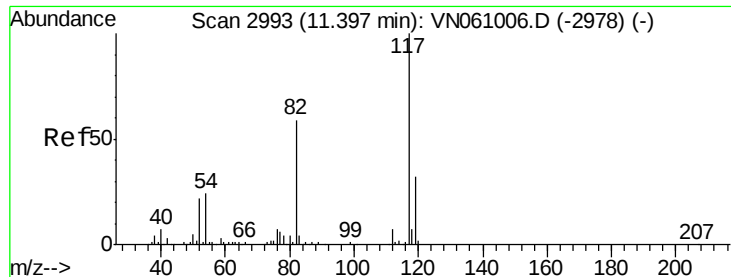
Tot Ion: 43 Resp: 34933
Ion Ratio Lower Upper
43 100
58 0.0 26.4 79.0#



#62
4-Bromofluorobenzene
Concen: 52.785 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.00 min
Lab File: VN061027.D
Acq: 16 Apr 2020 21:13

Tgt Ion: 95 Resp: 127919
Ion Ratio Lower Upper
95 100
174 76.8 0.0 151.2
176 73.2 0.0 148.2

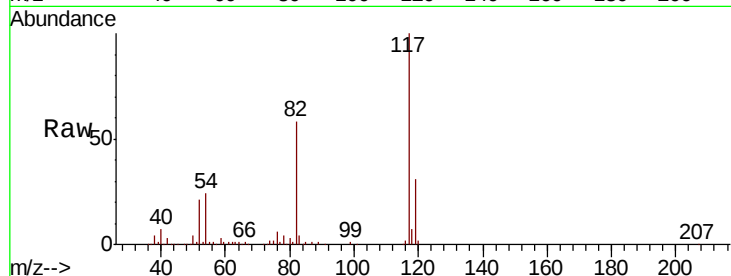




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061027.D
Acq: 16 Apr 2020 21:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.1	70.7
119	31.3	25.7	38.5

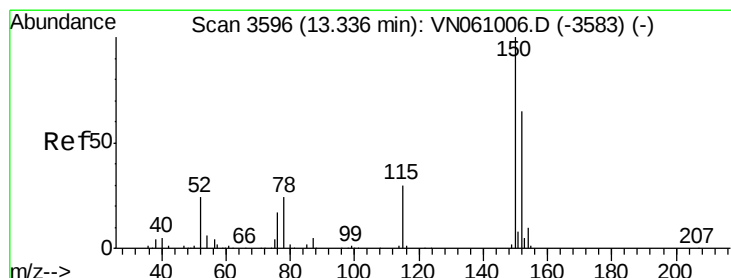
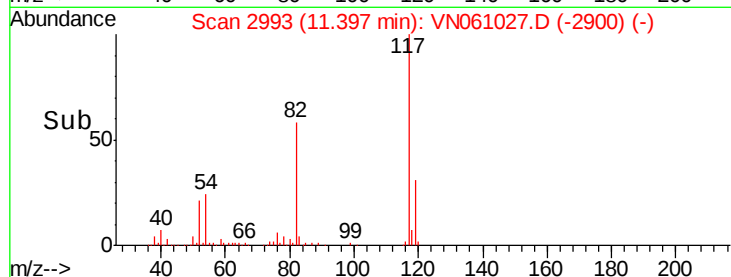
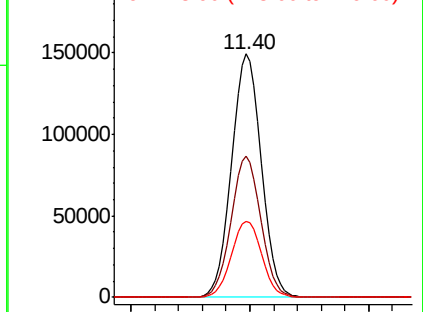


Abundance

Ion 116.90 (116.60 to 117.60): V

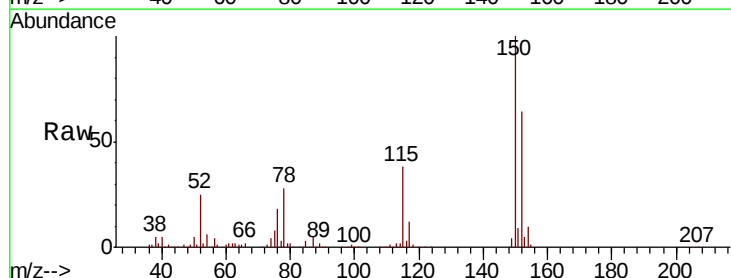
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VN061027.D
Acq: 16 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.8	92.4
150	158.4	0.0	349.0

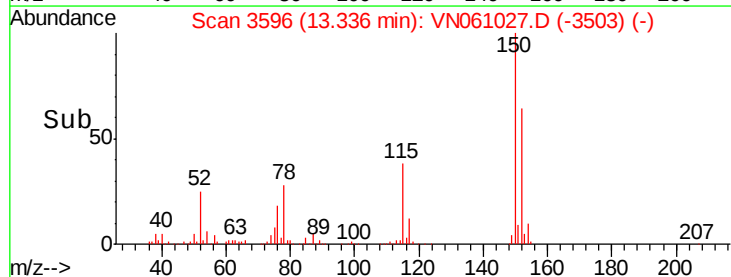
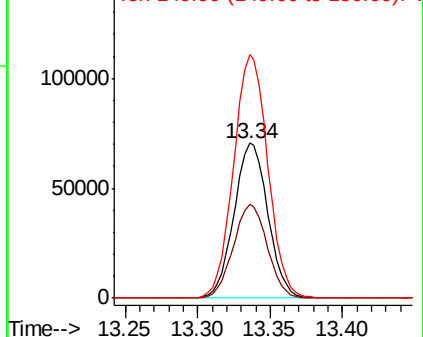


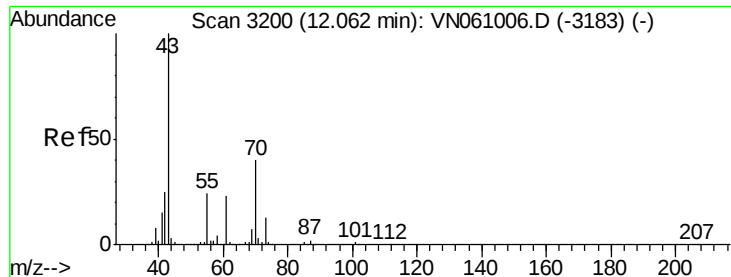
Abundance

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





#74

N-amvl acetate

Concen: 0.733 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN061027.D

Acq: 16 Apr 2020 21:13

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3126

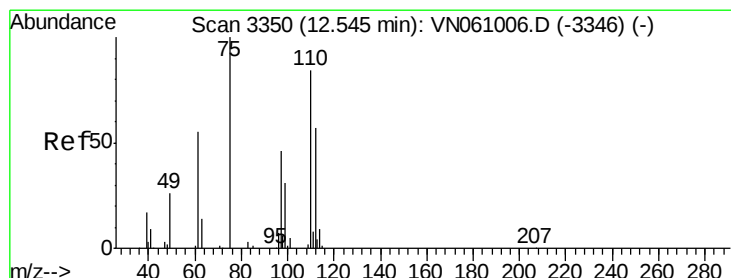
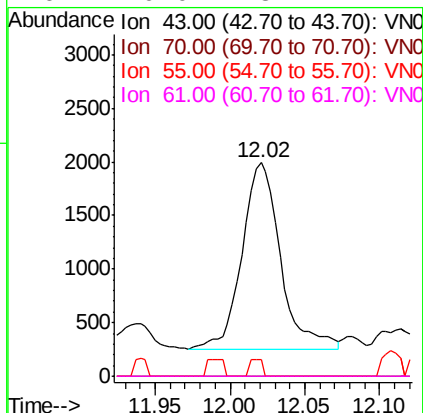
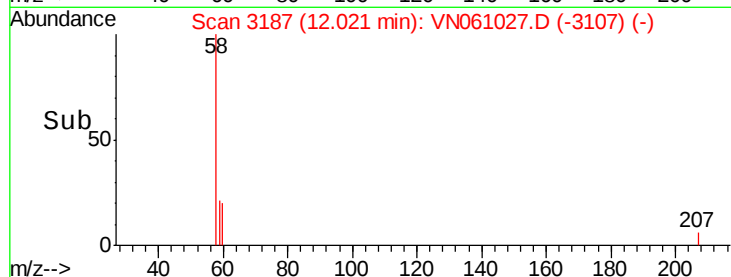
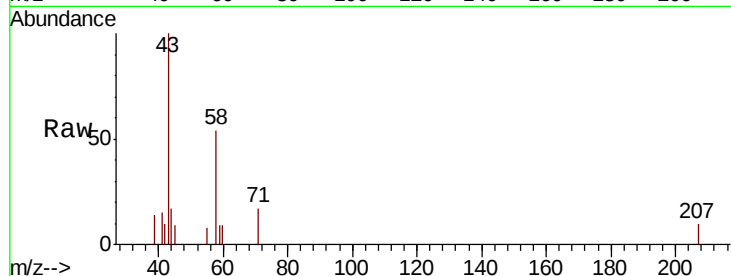
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 2.9 18.6 27.8#

61 0.0 18.2 27.4#



#76

1,2,3-Trichloropropane

Concen: 25.675 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061027.D

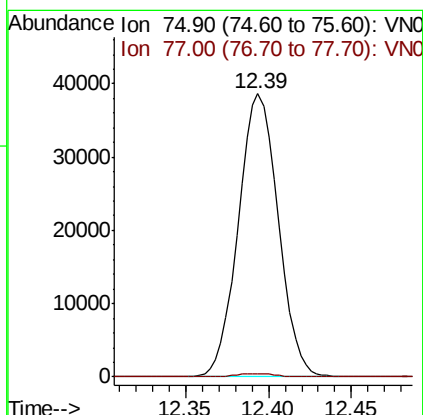
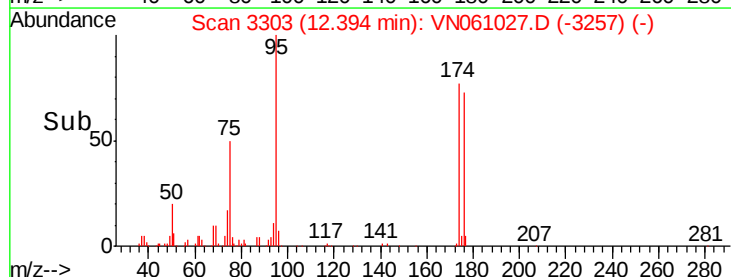
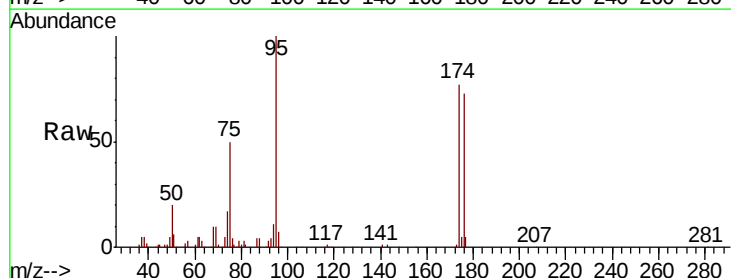
Acq: 16 Apr 2020 21:13

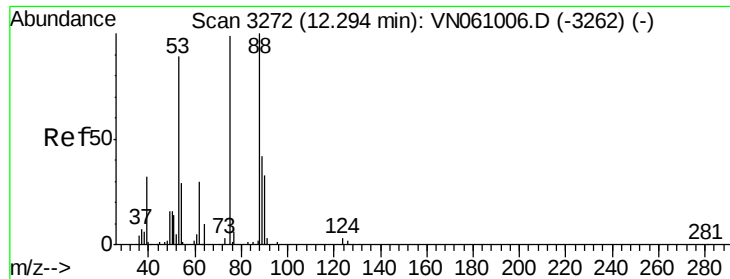
Tgt Ion: 75 Resp: 64633

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 63.330 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061027.D

Acq: 16 Apr 2020 21:13

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 64633

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#

