

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061883.D
 Acq On : 18 Jun 2020 5:53
 Operator : JC/MD
 Sample : PB129582ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129582ZHE#02

Quant Time: Jun 18 07:10:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

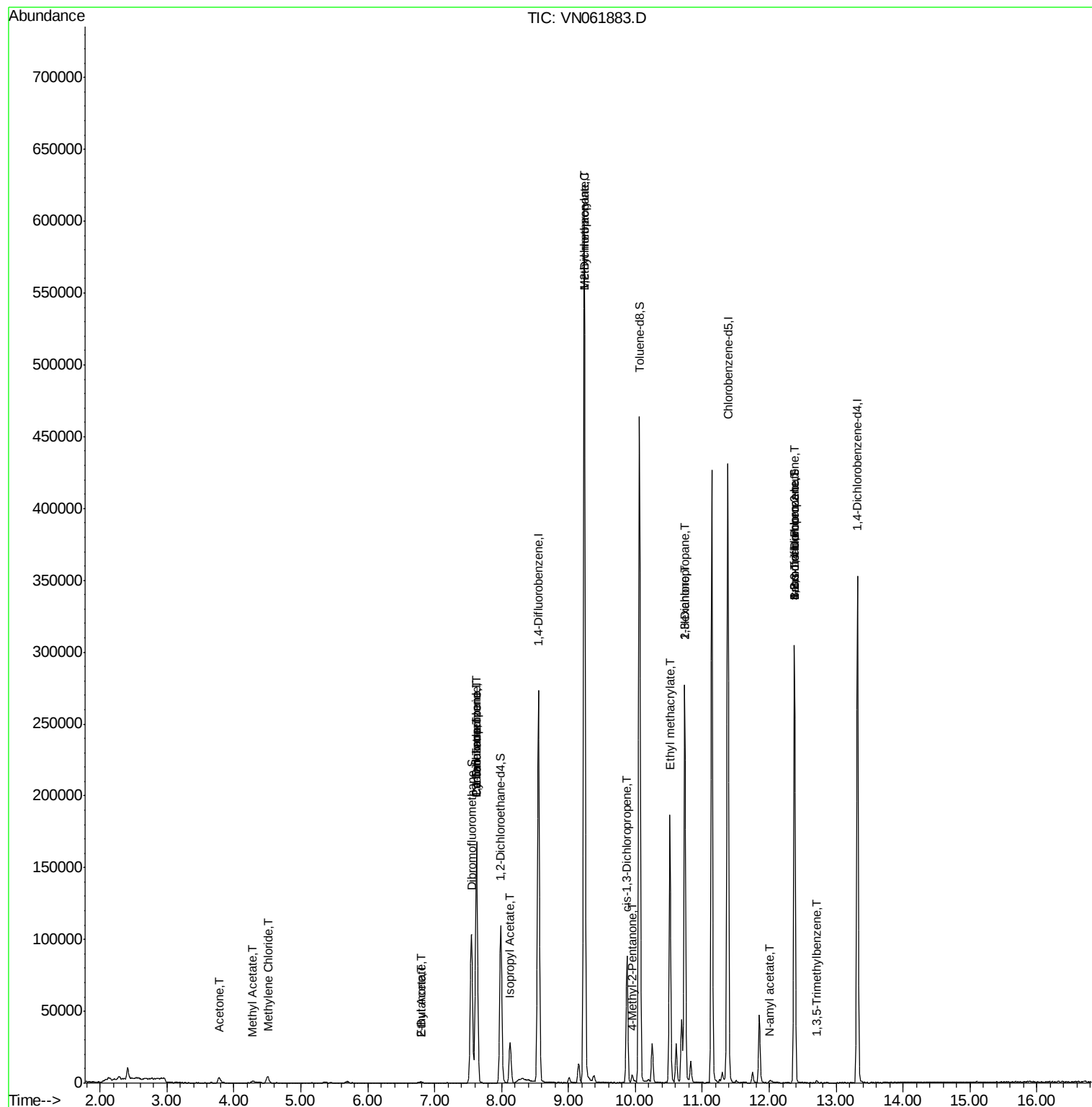
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	135380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	253674	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	254785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	97911	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	91601	50.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.90%	
35) Dibromofluoromethane	7.55	113	80991	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	
50) Toluene-d8	10.06	98	325196	50.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.38	95	108205	49.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.88%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	6889	12.845	ug/l	92
18) Methyl Acetate	4.28	43	2207	1.429	ug/l #	85
20) Methylene Chloride	4.50	84	3813	2.182	ug/l	89
25) 2-Butanone	6.80	43	839	1.072	ug/l #	44
31) Cyclohexane	7.62	56	2878	1.203	ug/l #	21
36) 1,1-Dichloropropene	7.63	75	10727	4.636	ug/l #	48
37) Ethyl Acetate	6.80	43	839	0.464	ug/l #	65
38) Carbon Tetrachloride	7.63	117	13945	6.086	ug/l #	16
43) Isopropyl Acetate	8.13	43	31629	10.387	ug/l #	89
45) 1,2-Dichloropropane	9.23	63	937	0.544	ug/l #	43
48) Methyl methacrylate	9.24	41	56986	41.153	ug/l #	33
51) 4-Methyl-2-Pentanone	9.95	43	4236	2.354	ug/l	87
54) cis-1,3-Dichloropropene	9.88	75	17174	5.997	ug/l #	68
56) Ethyl methacrylate	10.51	69	731	3.163	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3120	1.063	ug/l #	42
59) 2-Hexanone	10.74	43	35188	36.572	ug/l #	50
71) Bromoform	12.38	173	967	0.707	ug/l #	1
74) N-amyl acetate	12.01	43	2056	3.830	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	54345	28.272	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1757	0.305	ug/l	80
81) trans-1,4-Dichloro-2-buten	12.38	75	54345	77.109	ug/l #	14

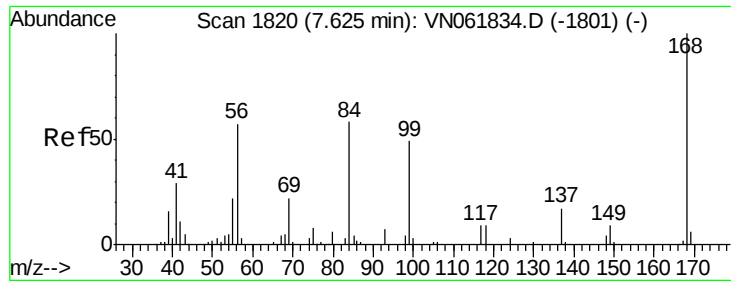
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 2020
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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: VN061883.D

Acq: 18 Jun 2020 5:53

Instrument :

MSVOA_N

ClientSampleId :

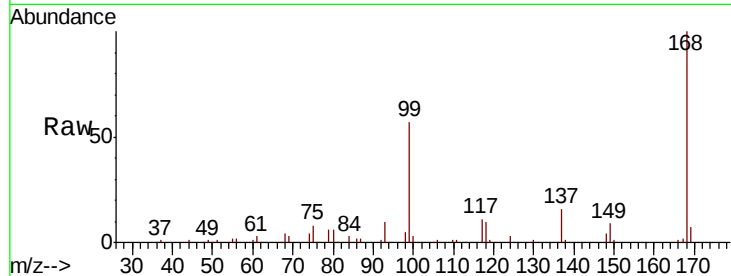
PB129582ZHE#02

Tot Ion:168 Resp: 135380

Ion Ratio Lower Upper

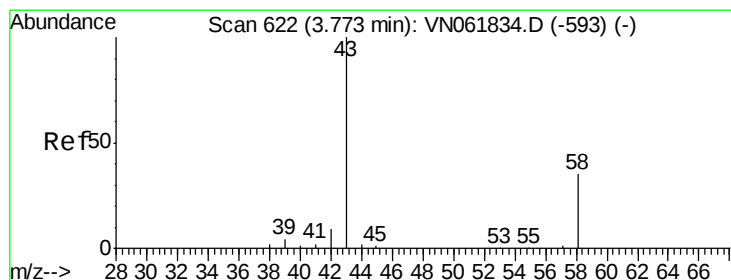
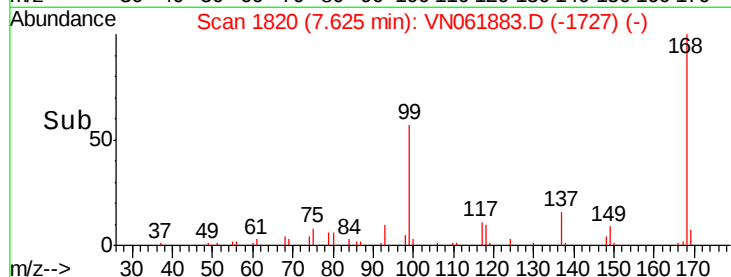
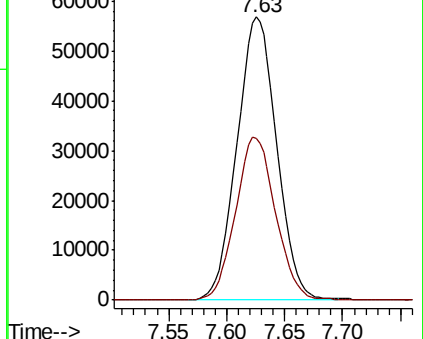
168 100

99 57.3 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 12.845 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061883.D

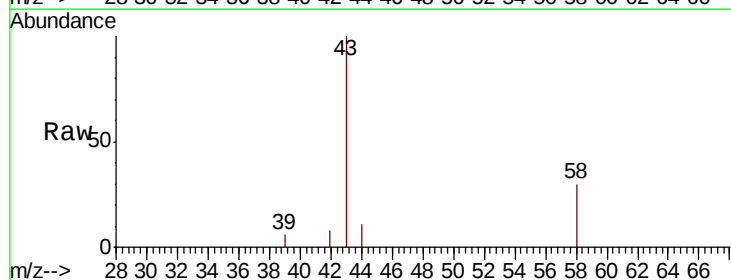
Acq: 18 Jun 2020 5:53

Tgt Ion: 43 Resp: 6889

Ion Ratio Lower Upper

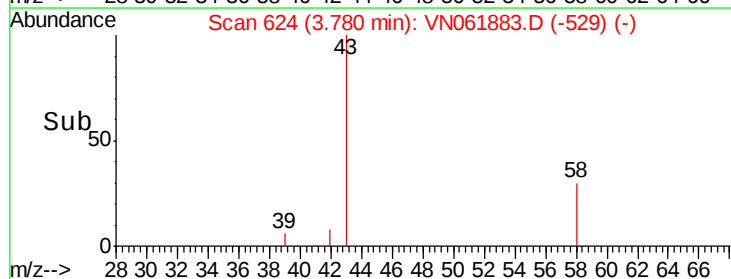
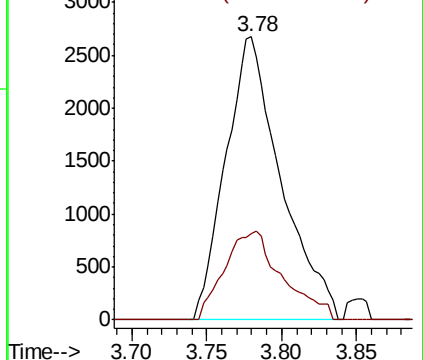
43 100

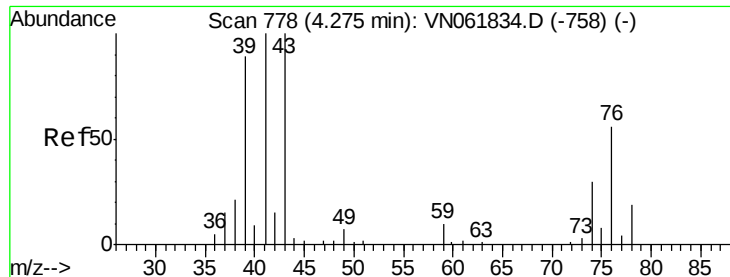
58 30.3 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

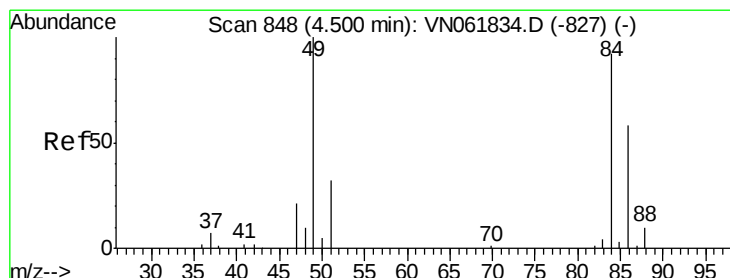
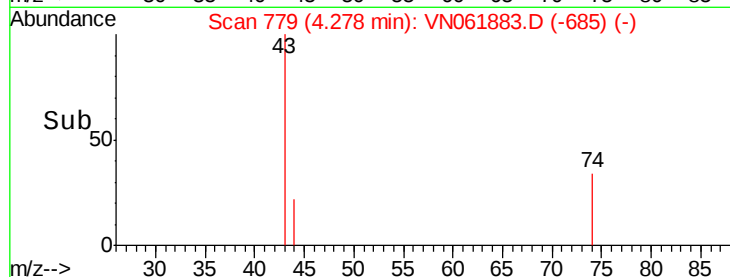
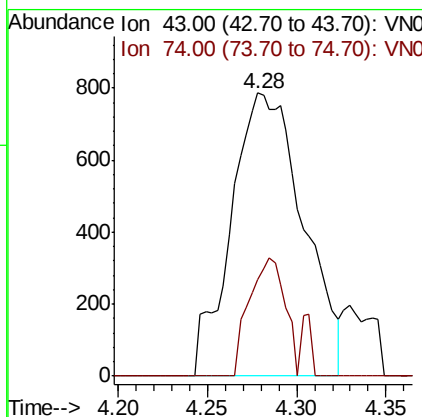
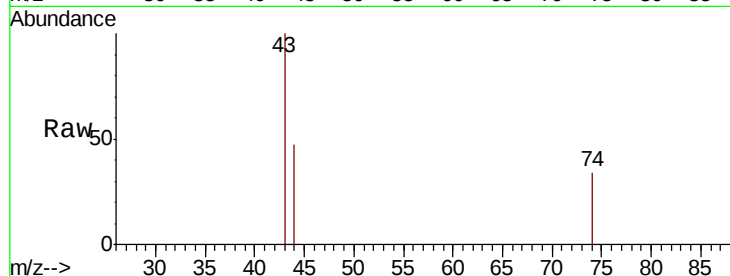




#18
Methyl Acetate
Concen: 1.429 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061883.D
Acq: 18 Jun 2020 5:53

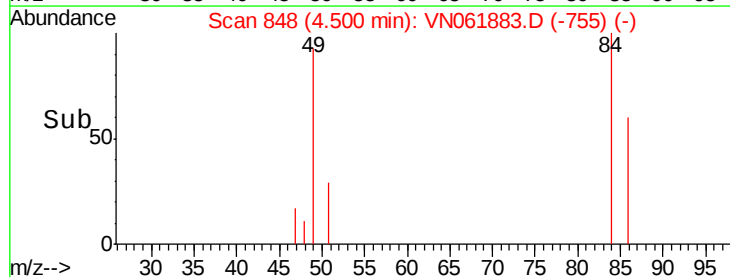
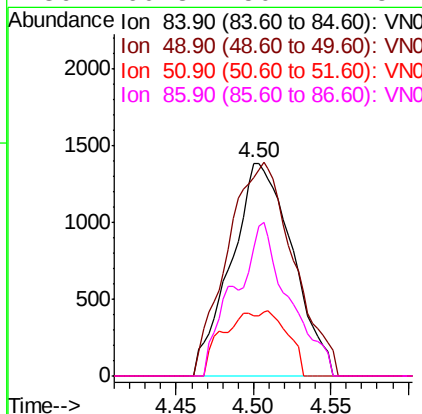
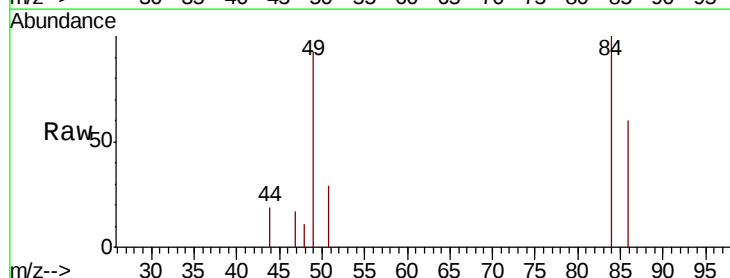
Instrument :
MSVOA_N
ClientSampleId :
PB129582ZHE#02

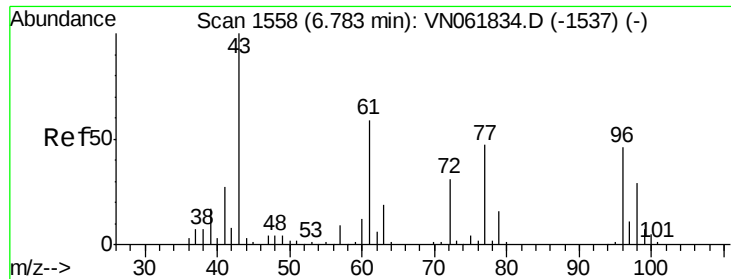
Tot Ion: 43 Resp: 2207
Ion Ratio Lower Upper
43 100
74 20.8 23.0 34.4#



#20
Methylene Chloride
Concen: 2.182 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061883.D
Acq: 18 Jun 2020 5:53

Tgt Ion: 84 Resp: 3813
Ion Ratio Lower Upper
84 100
49 93.0 87.0 130.4
51 28.6 27.8 41.6
86 60.3 50.2 75.2

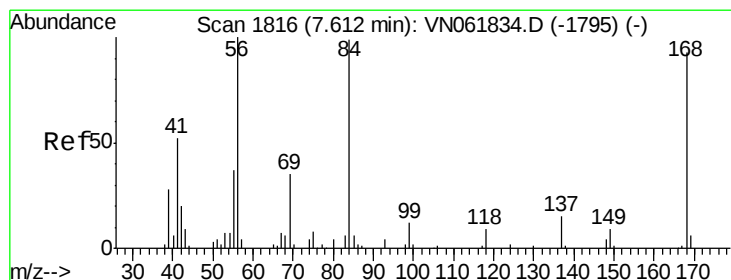
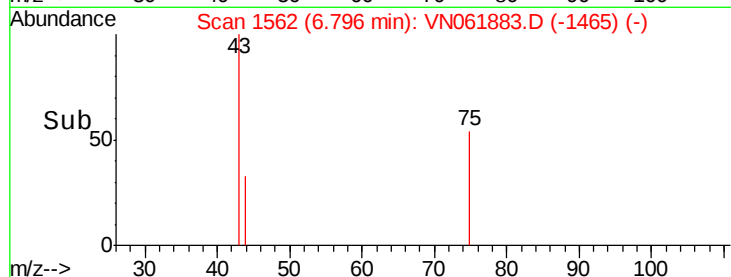
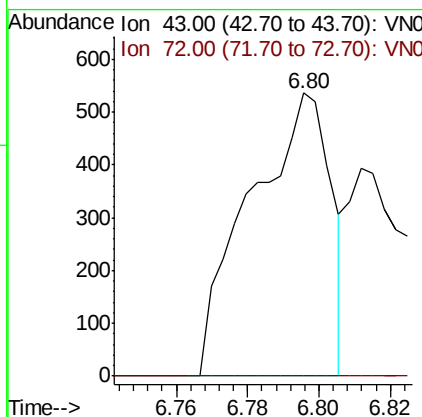
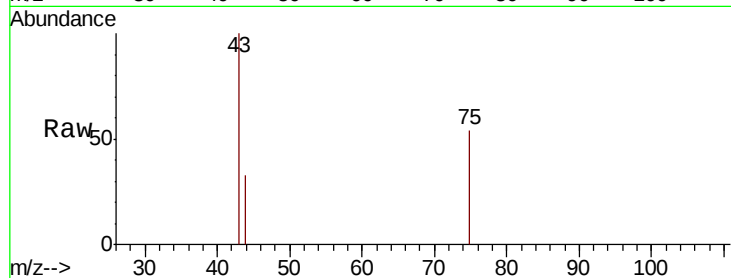




#25
2-Butanone
Concen: 1.072 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN061883.D
Acq: 18 Jun 2020 5:53

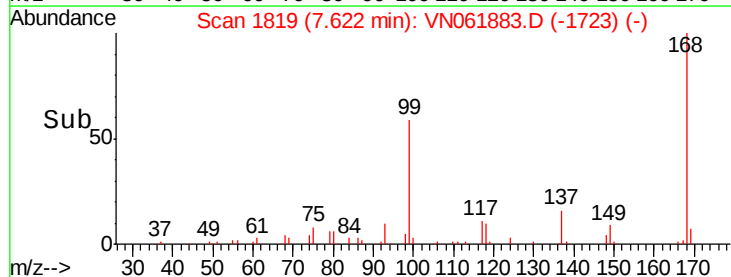
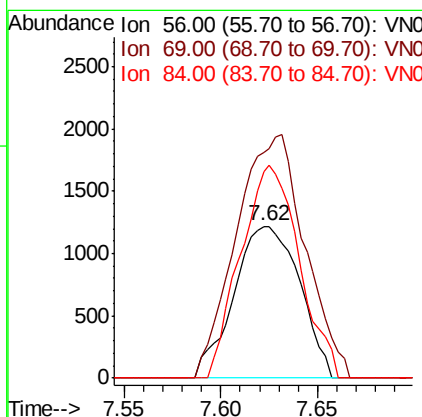
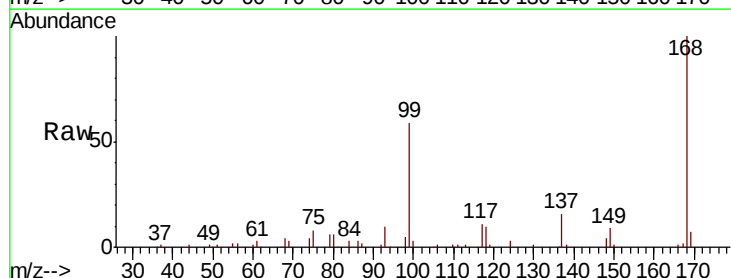
Instrument :
MSVOA_N
ClientSampleId :
PB129582ZHE#02

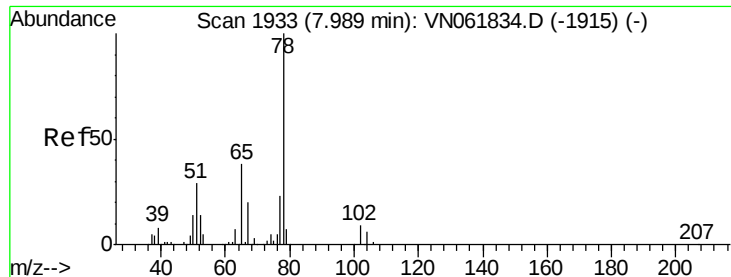
Tot Ion: 43 Resp: 839
Ion Ratio Lower Upper
43 100
72 0.0 24.6 37.0#



#31
Cyclohexane
Concen: 1.203 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061883.D
Acq: 18 Jun 2020 5:53

Tgt Ion: 56 Resp: 2878
Ion Ratio Lower Upper
56 100
69 148.1 27.7 41.5#
84 135.9 79.1 118.7#





#33

1,2-Dichloroethane-d4

Concen: 50.451 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061883.D

Acq: 18 Jun 2020 5:53

Instrument :

MSVOA_N

ClientSampleId :

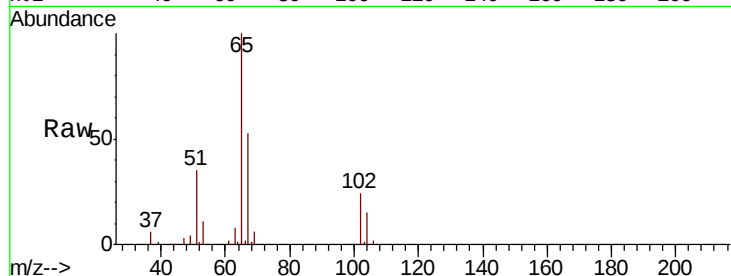
PB129582ZHE#02

Tot Ion: 65 Resp: 91601

Ion Ratio Lower Upper

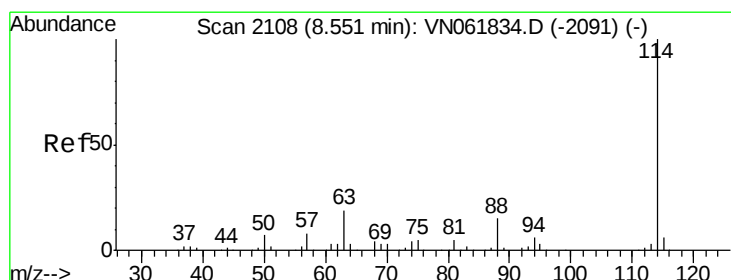
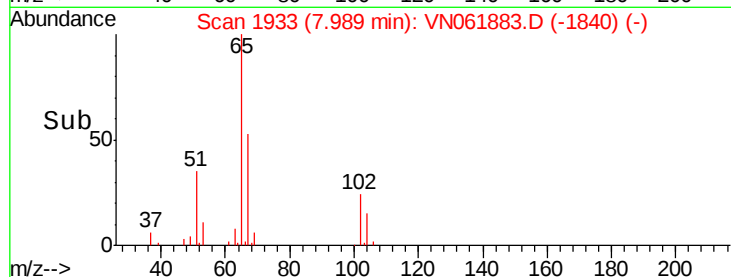
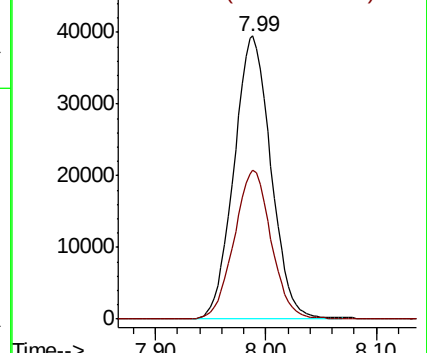
65 100

67 52.5 0.0 106.2



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: VN061883.D

Acq: 18 Jun 2020 5:53

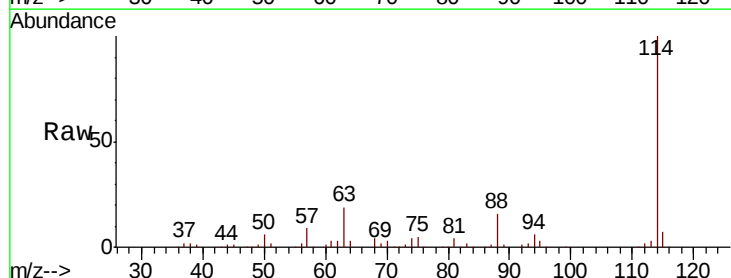
Tgt Ion: 114 Resp: 253674

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.6

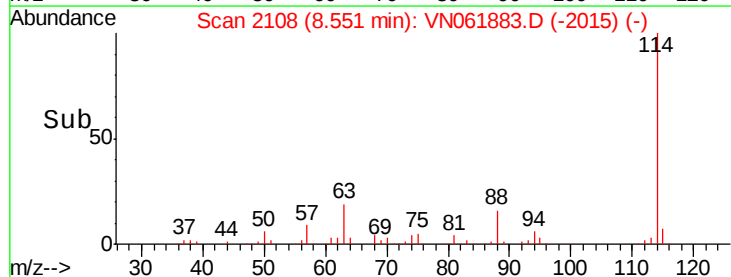
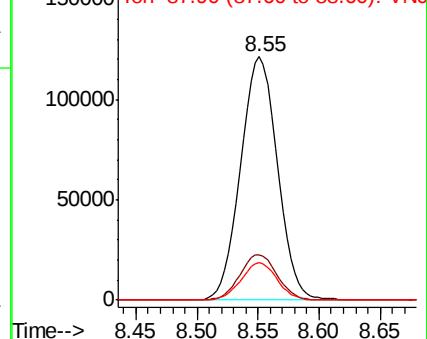
88 15.5 0.0 31.0

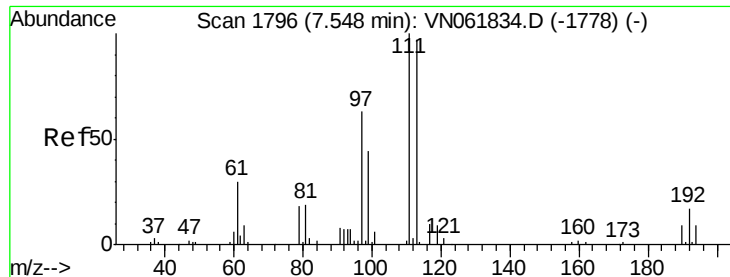


Abundance Ion 113.90 (113.60 to 114.60): VN0

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

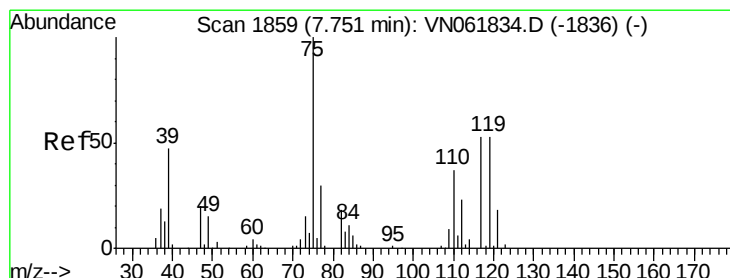
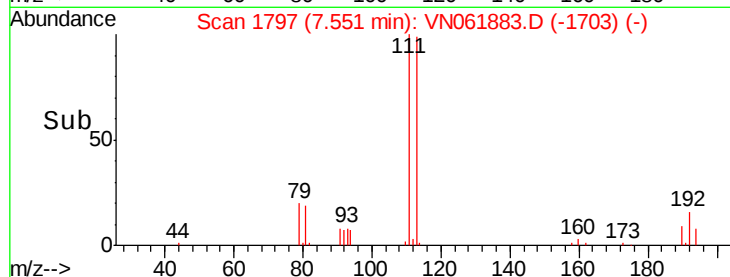
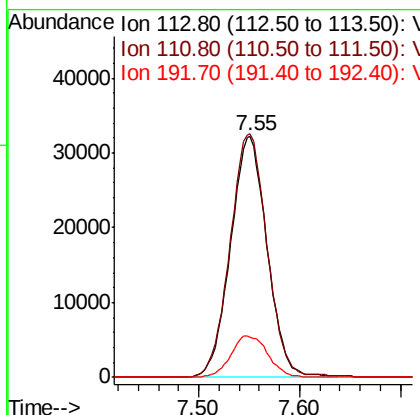
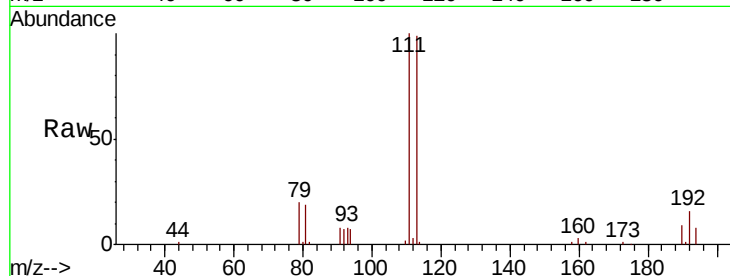




#35
 Dibromofluoromethane
 Concen: 49.906 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061883.D
 Acq: 18 Jun 2020 5:53

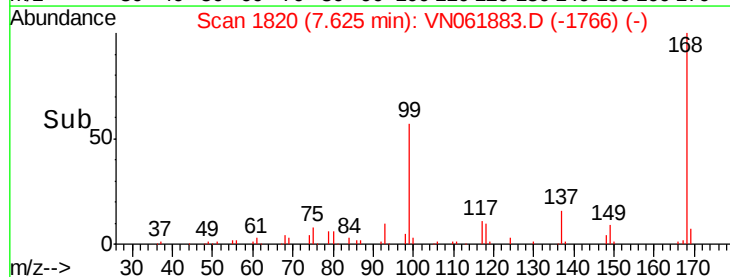
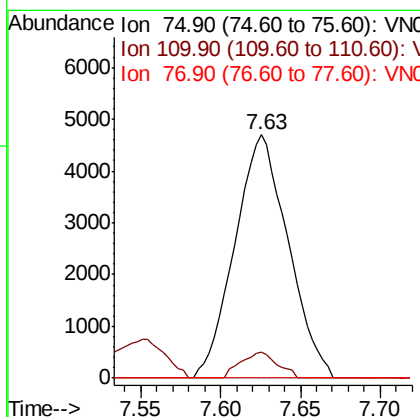
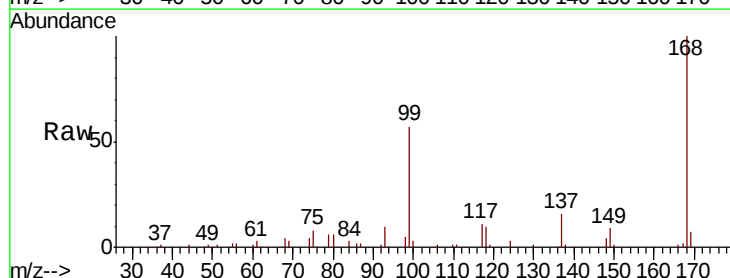
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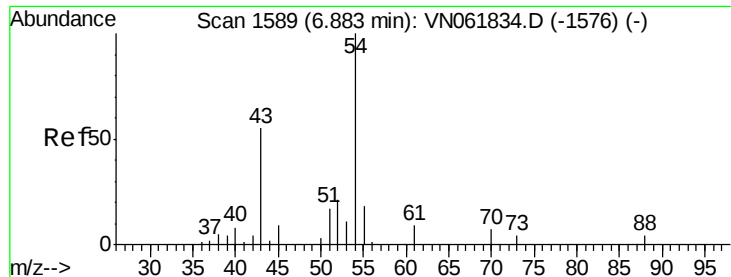
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.7	125.5
192	17.4	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.636 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061883.D
 Acq: 18 Jun 2020 5:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	18.2	54.6#
77	0.0	24.2	36.4#

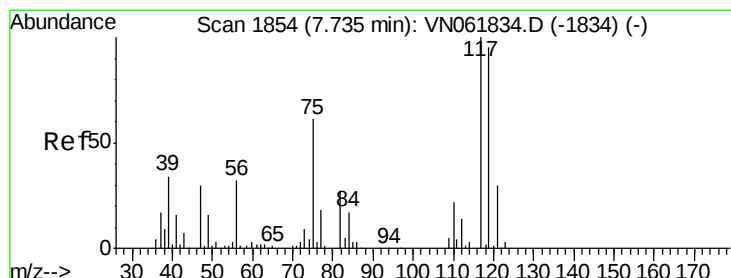
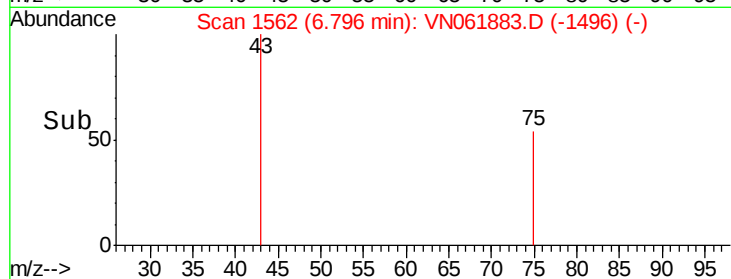
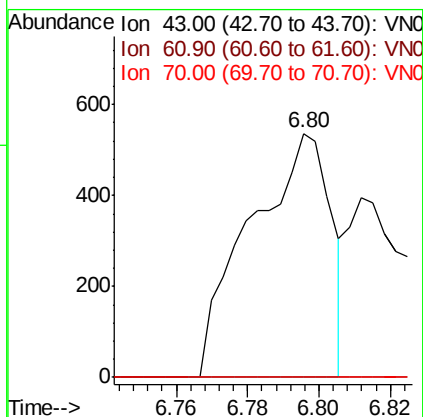
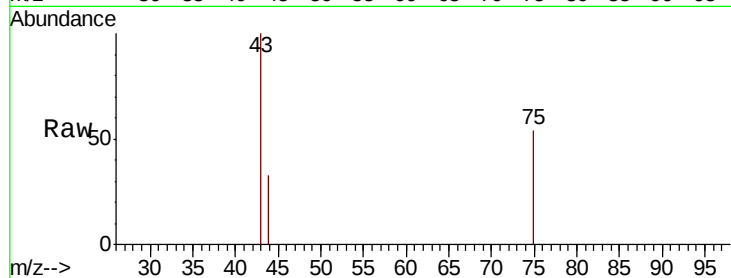




#37
Ethyl Acetate
Concen: 0.464 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.09 min
Lab File: VN061883.D
Acq: 18 Jun 2020 5:53

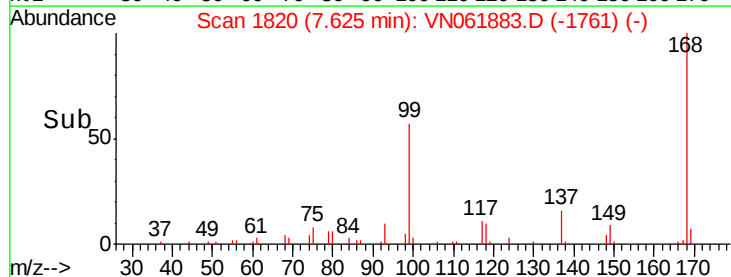
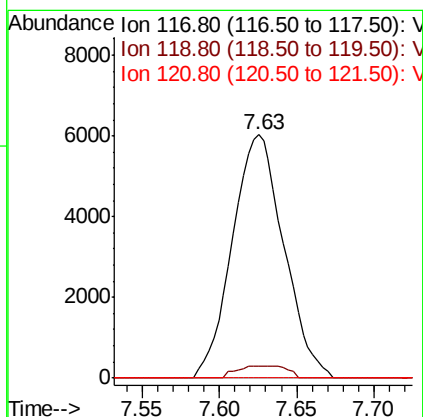
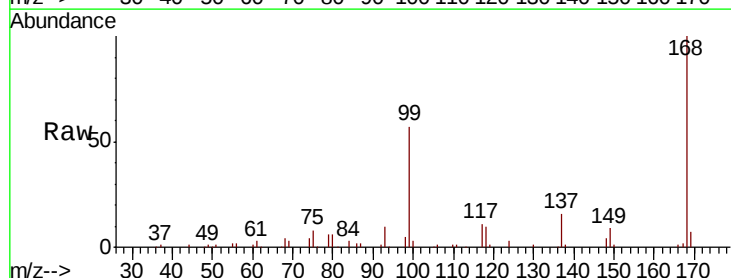
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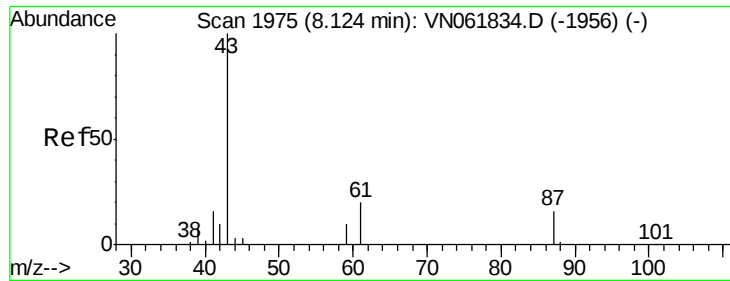
Tot Ion: 43 Resp: 839
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 6.086 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061883.D
Acq: 18 Jun 2020 5:53

Tgt Ion: 117 Resp: 13945
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 23.8 35.6#





#43

Isopropyl Acetate

Concen: 10.387 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061883.D

Acq: 18 Jun 2020 5:53

Instrument :

MSVOA_N

ClientSampleId :

PB129582ZHE#02

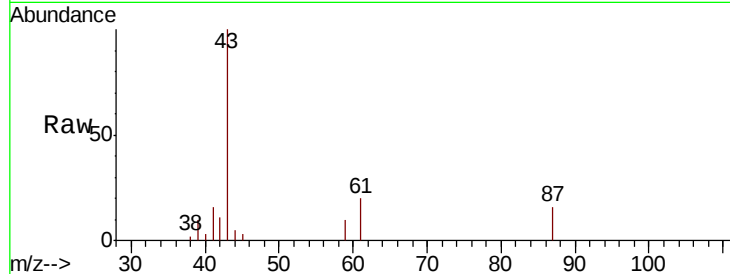
Tot Ion: 43 Resp: 31629

Ion Ratio Lower Upper

43 100

61 21.0 24.0 36.0#

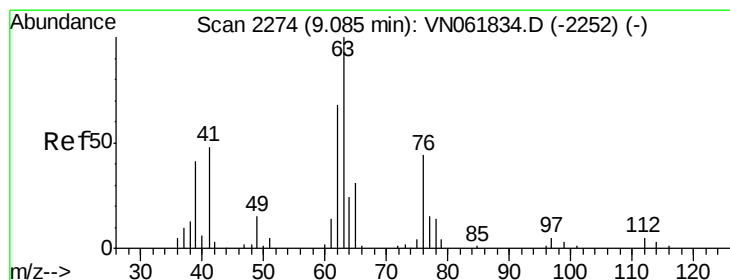
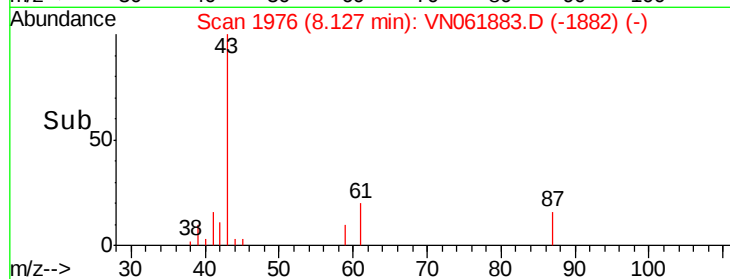
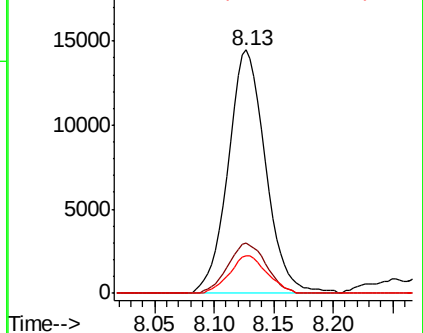
87 15.4 12.5 18.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.544 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.15 min

Lab File: VN061883.D

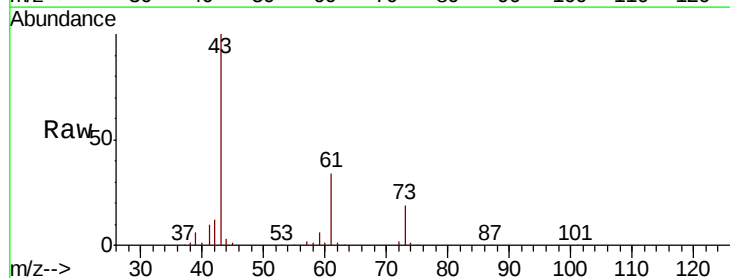
Acq: 18 Jun 2020 5:53

Tgt Ion: 63 Resp: 937

Ion Ratio Lower Upper

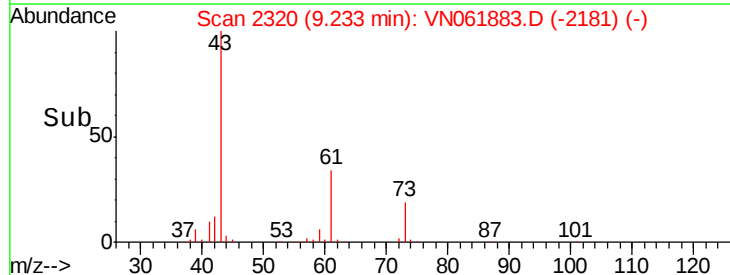
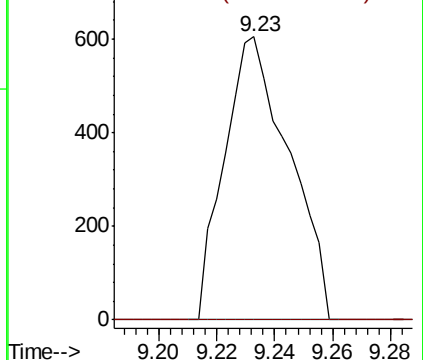
63 100

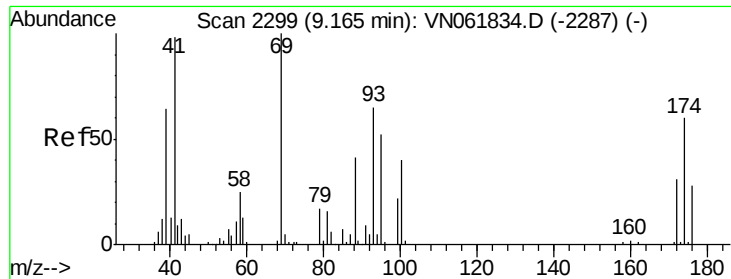
65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

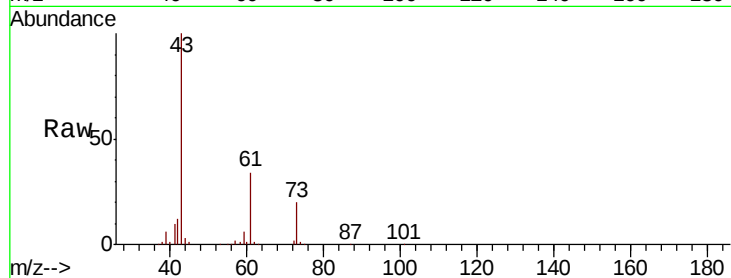




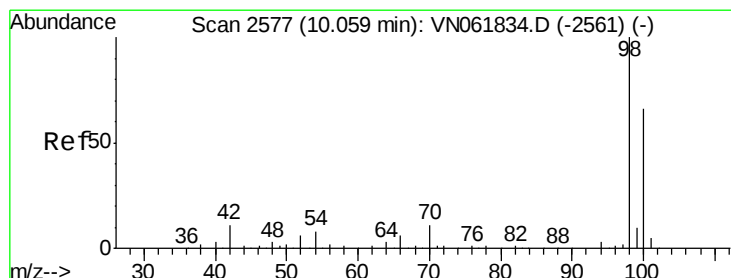
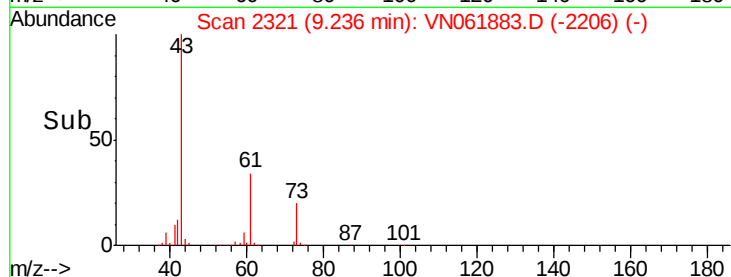
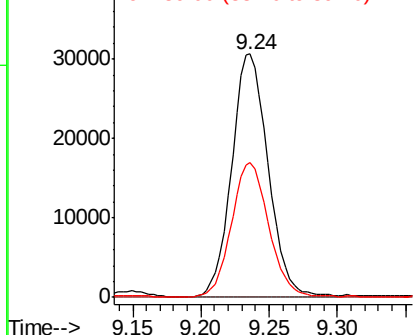
#48
Methvl methacrylate
Concen: 41.153 ug/l
RT: 9.24 min Scan# 2321
Delta R.T. 0.07 min
Lab File: VN061883.D
Acq: 18 Jun 2020 5:53

Instrument :
MSVOA_N
ClientSampleId :
PB129582ZHE#02

Tot Ion: 41 Resp: 56986
Ion Ratio Lower Upper
41 100
69 0.0 83.0 124.4#
39 56.6 55.1 82.7

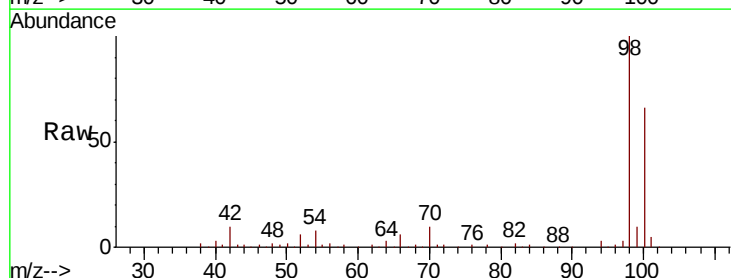


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

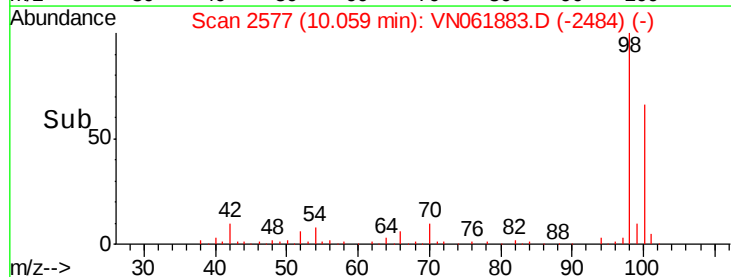
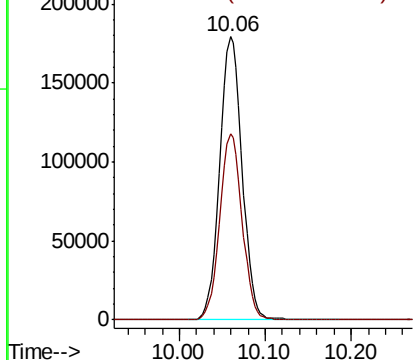


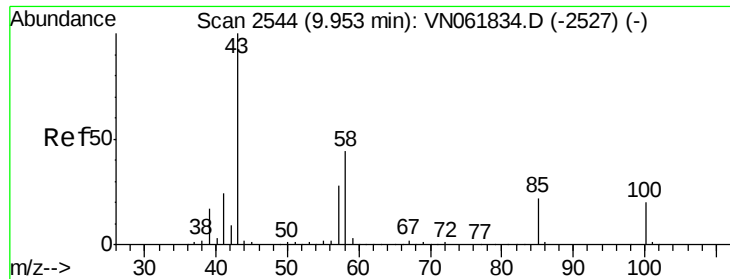
#50
Toluene-d8
Concen: 50.970 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061883.D
Acq: 18 Jun 2020 5:53

Tgt Ion: 98 Resp: 325196
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



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: 2.354 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061883.D

Acq: 18 Jun 2020 5:53

Instrument :

MSVOA_N

ClientSampleId :

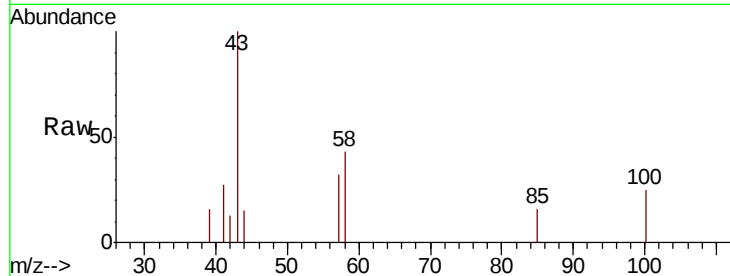
PB129582ZHE#02

Tot Ion: 43 Resp: 4236

Ion Ratio Lower Upper

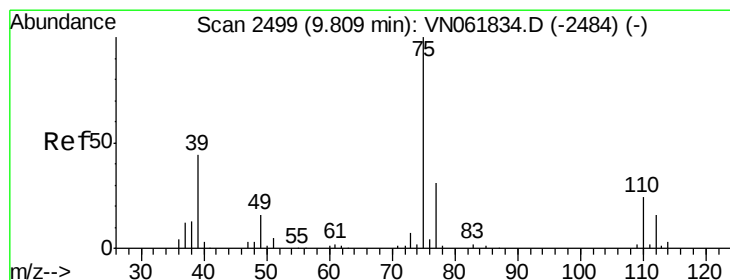
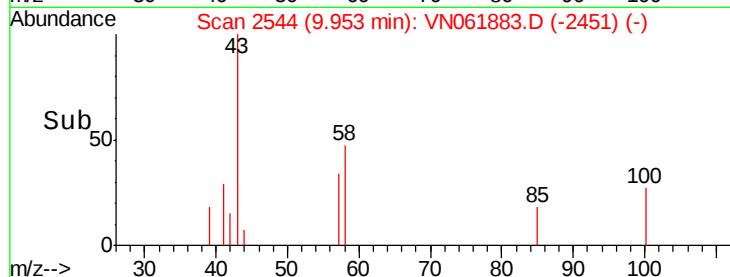
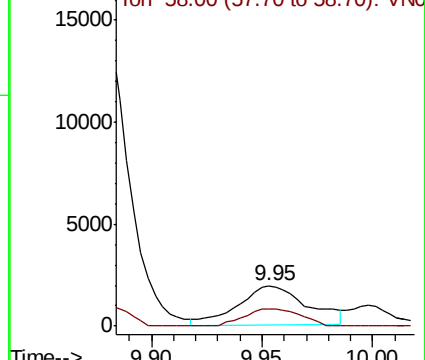
43 100

58 35.2 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.997 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN061883.D

Acq: 18 Jun 2020 5:53

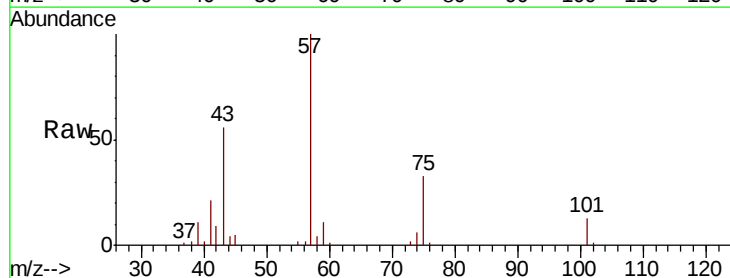
Tgt Ion: 75 Resp: 17174

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

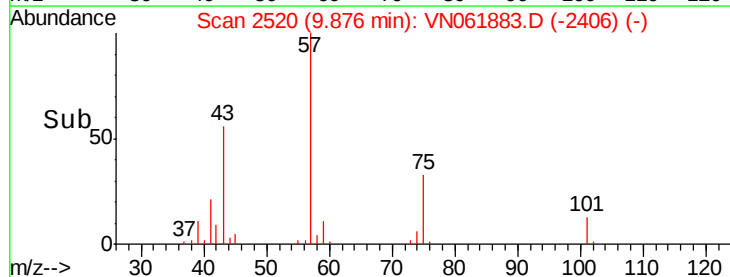
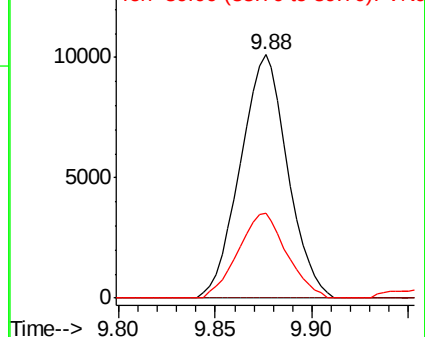
39 34.6 35.4 53.0#

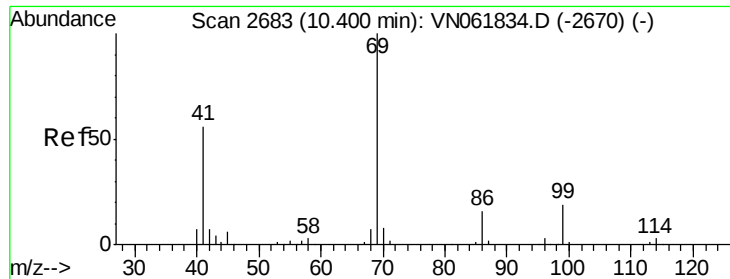


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 3.163 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN061883.D

Acq: 18 Jun 2020 5:53

Instrument :

MSVOA_N

ClientSampleId :

PB129582ZHE#02

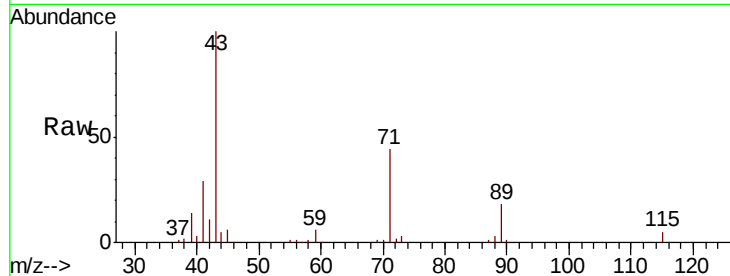
Tot Ion: 69 Resp: 731

Ion Ratio Lower Upper

69 100

41 4797.3 44.9 67.3#

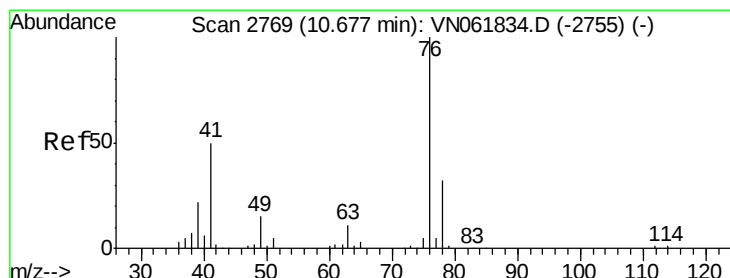
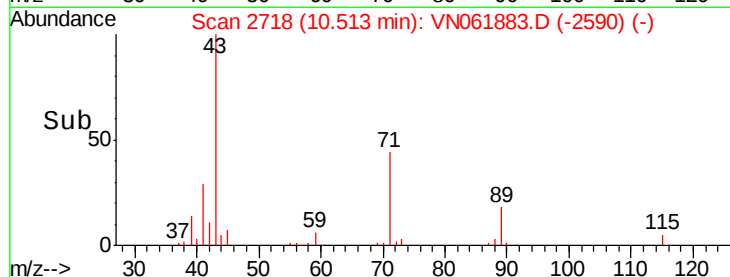
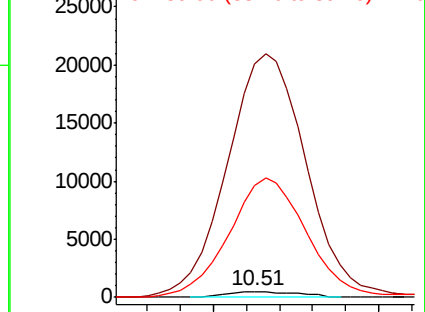
39 2302.5 30.0 45.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.063 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN061883.D

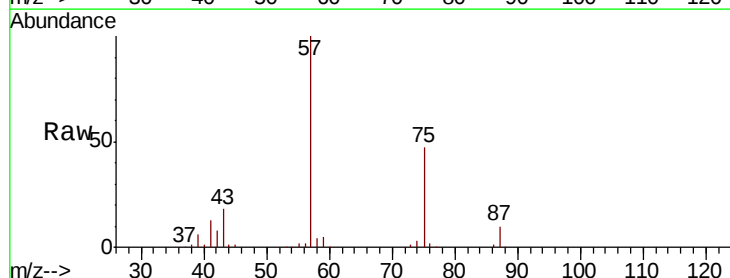
Acq: 18 Jun 2020 5:53

Tgt Ion: 76 Resp: 3120

Ion Ratio Lower Upper

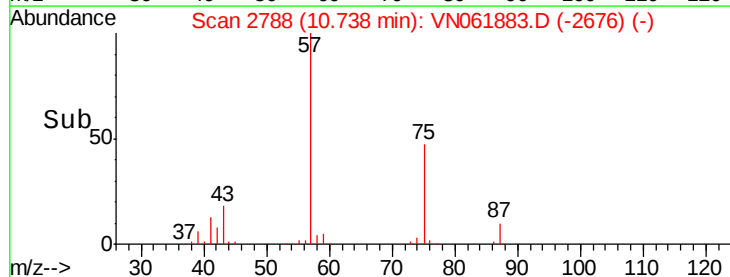
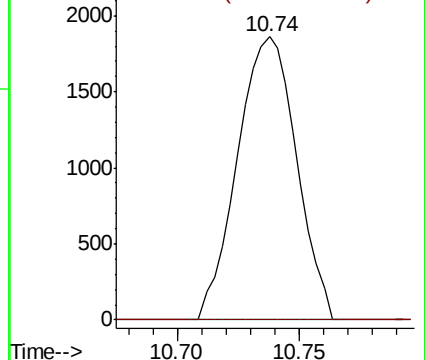
76 100

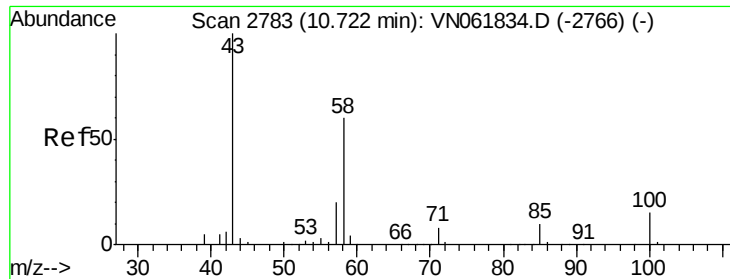
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

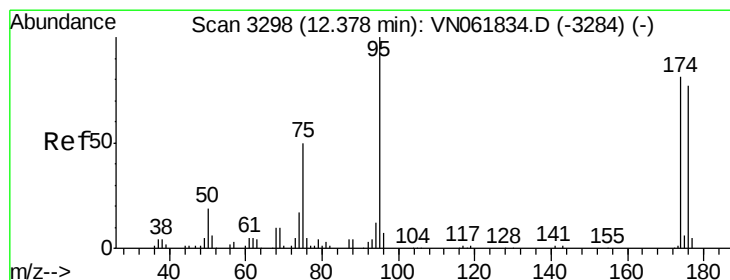
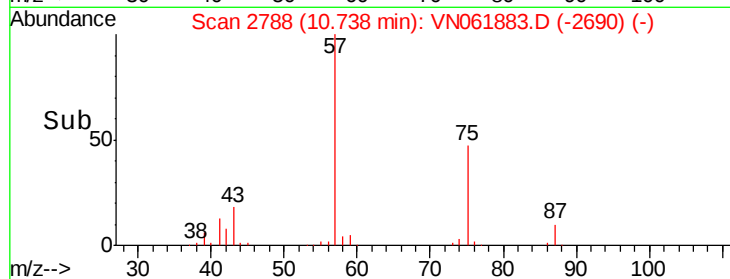
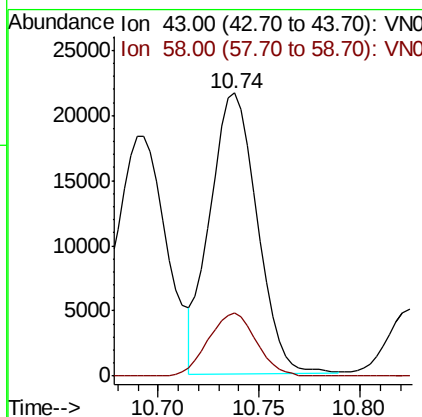
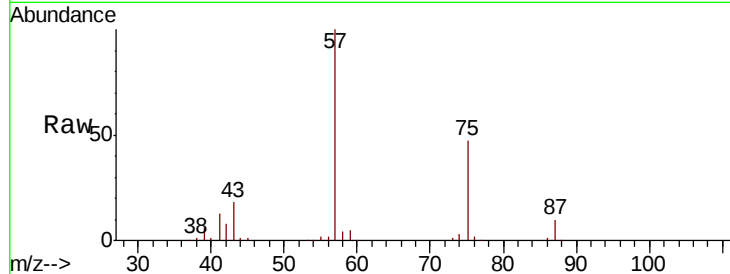




#59
2-Hexanone
Concen: 36.572 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN061883.D
Acq: 18 Jun 2020 5:53

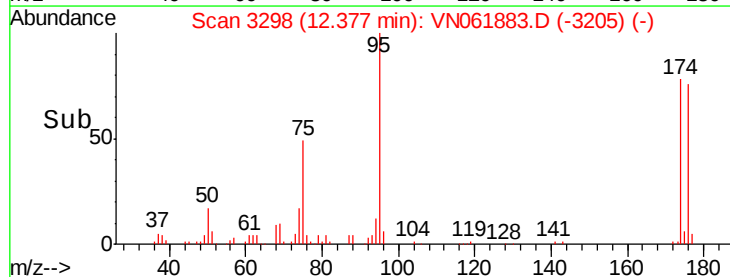
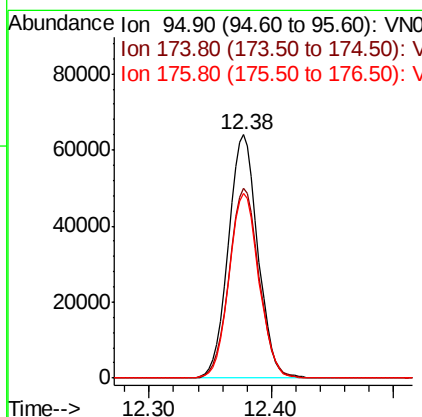
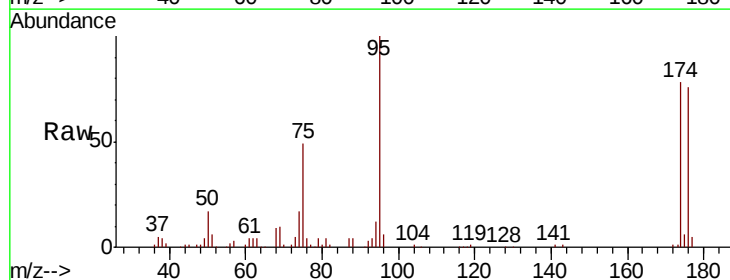
Instrument :
MSVOA_N
ClientSampleId :
PB129582ZHE#02

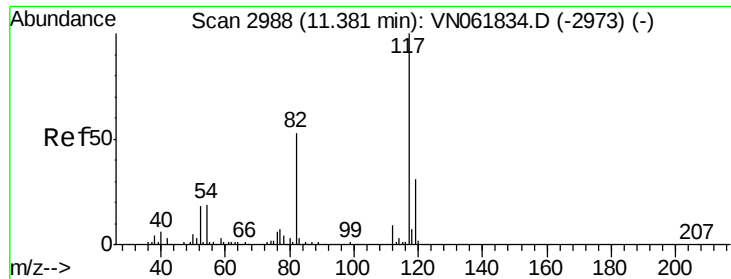
Tot Ion: 43 Resp: 35188
Ion Ratio Lower Upper
43 100
58 22.7 30.1 90.5#



#62
4-Bromofluorobenzene
Concen: 49.443 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN061883.D
Acq: 18 Jun 2020 5:53

Tgt Ion: 95 Resp: 108205
Ion Ratio Lower Upper
95 100
174 79.3 0.0 158.6
176 76.7 0.0 152.0

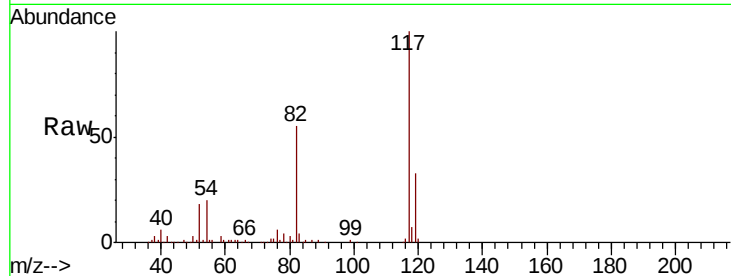




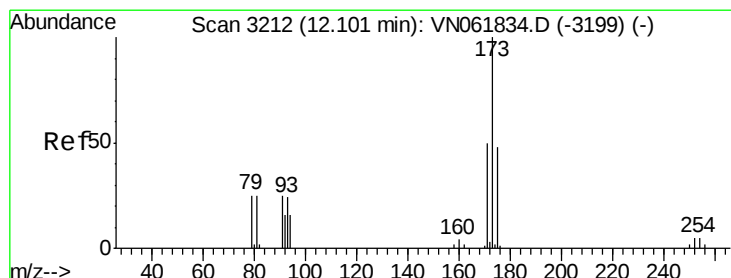
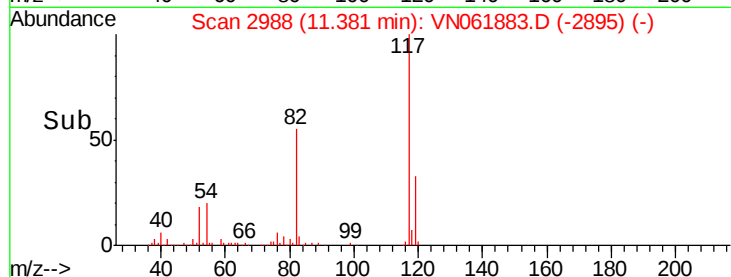
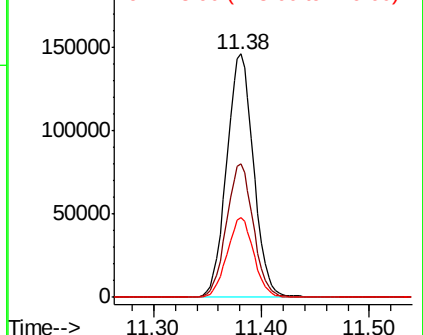
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061883.D
Acq: 18 Jun 2020 5:53

Instrument :
MSVOA_N
ClientSampleId :
PB129582ZHE#02

Tot Ion:117 Resp: 254785
Ion Ratio Lower Upper
117 100
82 54.9 42.6 64.0
119 32.6 24.7 37.1

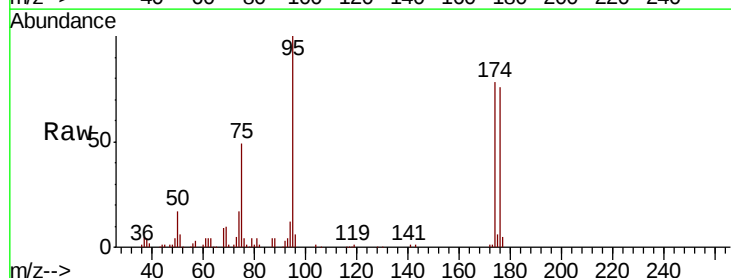


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

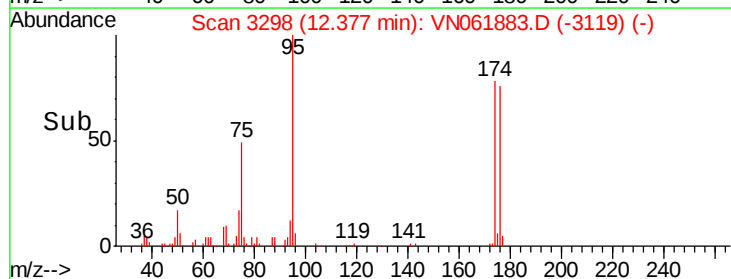
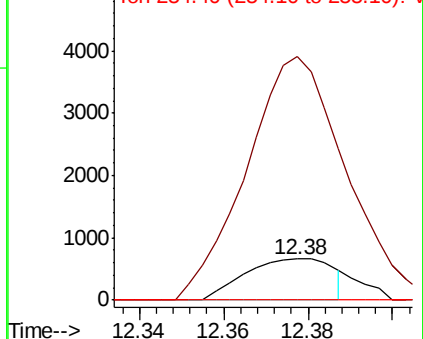


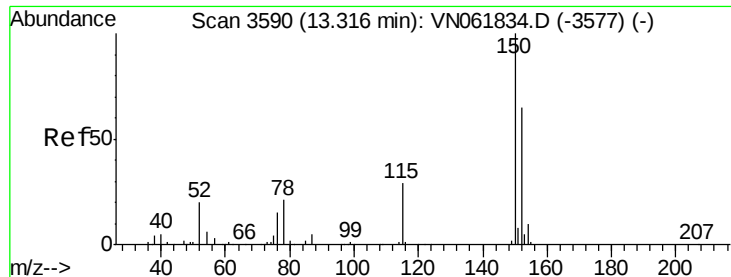
#71
Bromoform
Concen: 0.707 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061883.D
Acq: 18 Jun 2020 5:53

Tgt Ion:173 Resp: 967
Ion Ratio Lower Upper
173 100
175 555.2 23.9 71.7#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061883.D

Acq: 18 Jun 2020 5:53

Instrument :

MSVOA_N

ClientSampleId :

PB129582ZHE#02

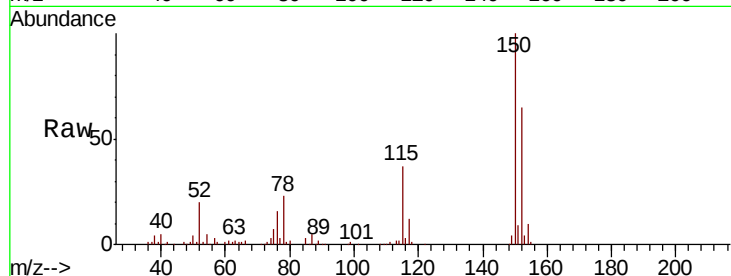
Tot Ion:152 Resp: 97911

Ion Ratio Lower Upper

152 100

115 58.0 29.1 87.3

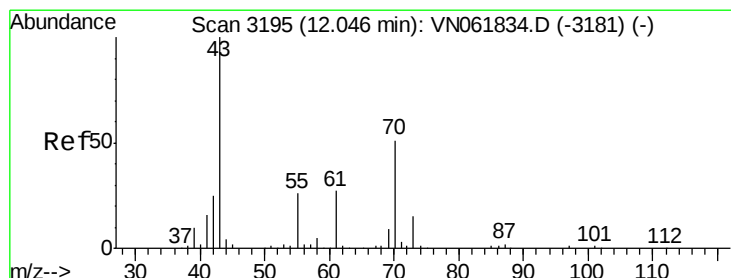
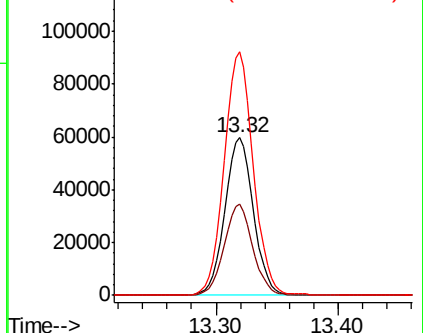
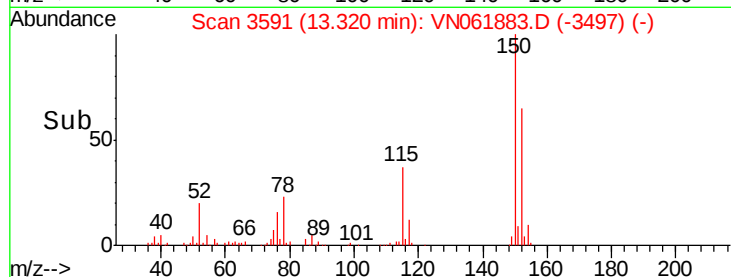
150 157.1 0.0 347.6



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-ethyl acetate

Concen: 3.830 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN061883.D

Acq: 18 Jun 2020 5:53

Tgt Ion: 43 Resp: 2056

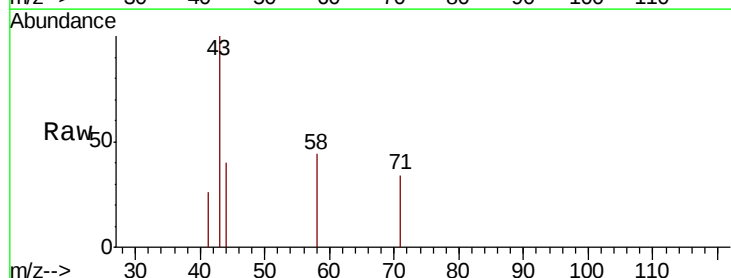
Ion Ratio Lower Upper

43 100

70 0.0 40.6 60.8#

55 0.0 21.5 32.3#

61 0.0 21.6 32.4#

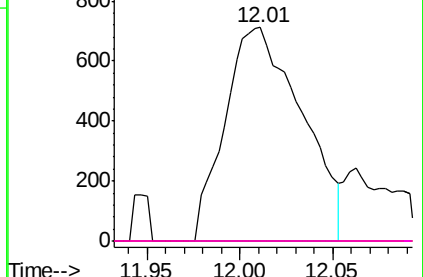
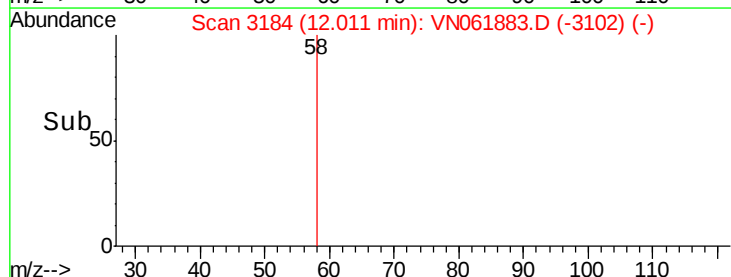


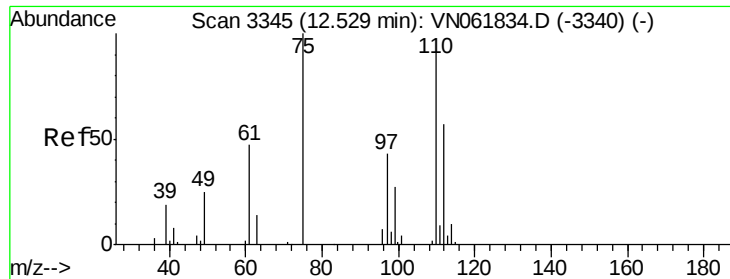
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

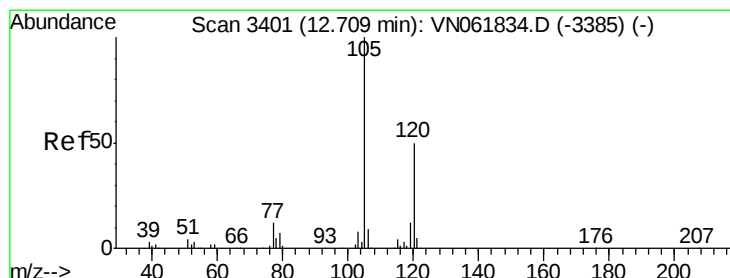
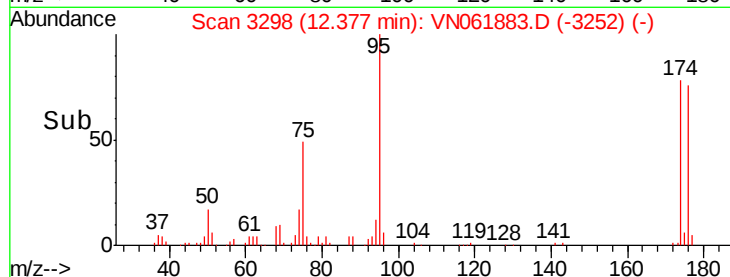
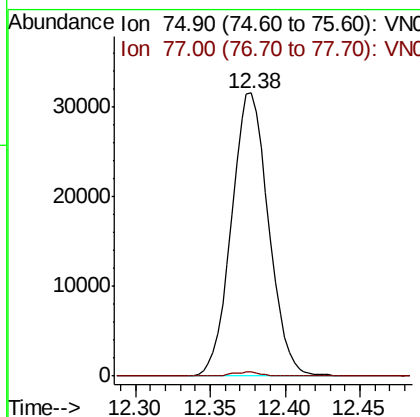
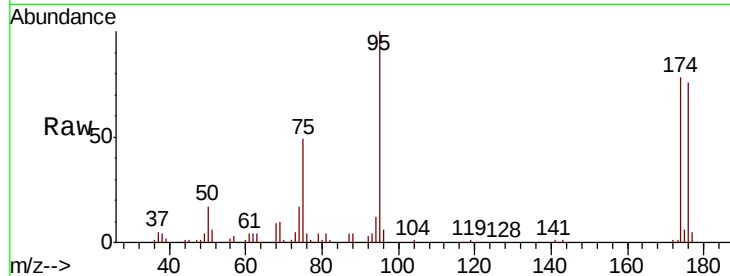




#76
 1,2,3-Trichloropropane
 Concen: 28.272 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN061883.D
 Acq: 18 Jun 2020 5:53

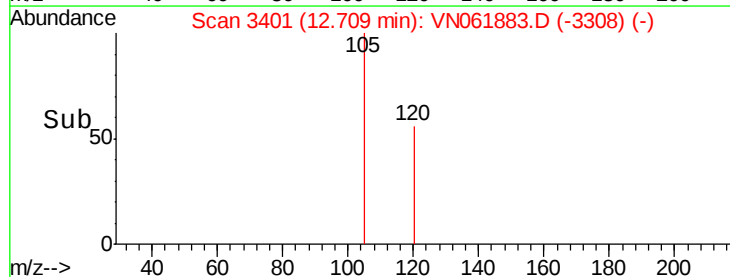
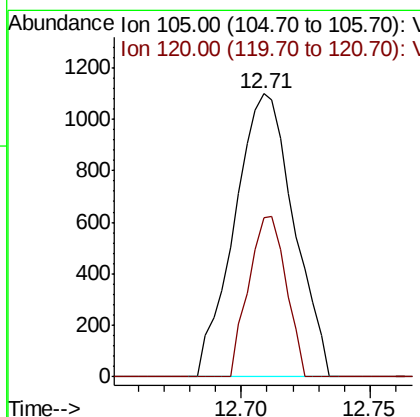
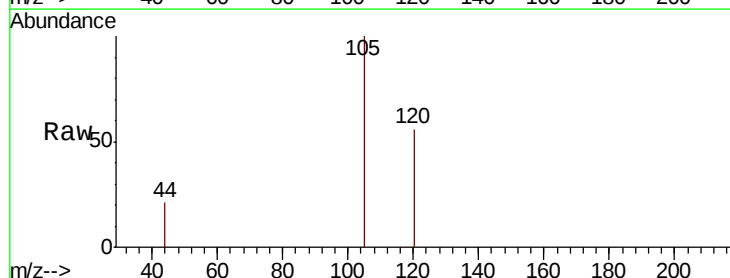
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129582ZHE#02

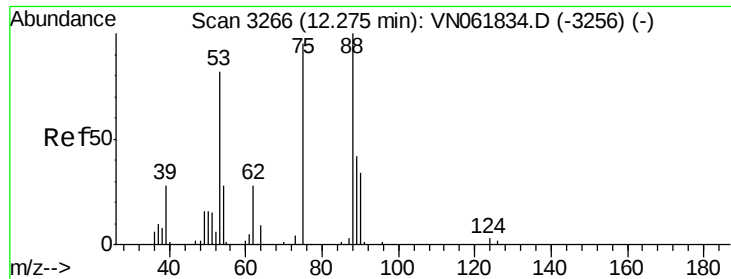
Tot Ion: 75 Resp: 54345
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.305 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061883.D
 Acq: 18 Jun 2020 5:53

Tgt Ion: 105 Resp: 1757
 Ion Ratio Lower Upper
 105 100
 120 35.7 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 77.109 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061883.D

Acq: 18 Jun 2020 5:53

Instrument :

MSVOA_N

ClientSampleId :

PB129582ZHE#02

Tot Ion: 75 Resp: 54345

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

