

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060993.D
 Acq On : 16 Apr 2020 3:35
 Operator : JC/MD
 Sample : L2281-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:45:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	142289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	243927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	230339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	105173	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	95999	49.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.30%	
35) Dibromofluoromethane	7.56	113	72018	48.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.66%	
50) Toluene-d8	10.08	98	303498	50.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.39	95	115041	52.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.20%	

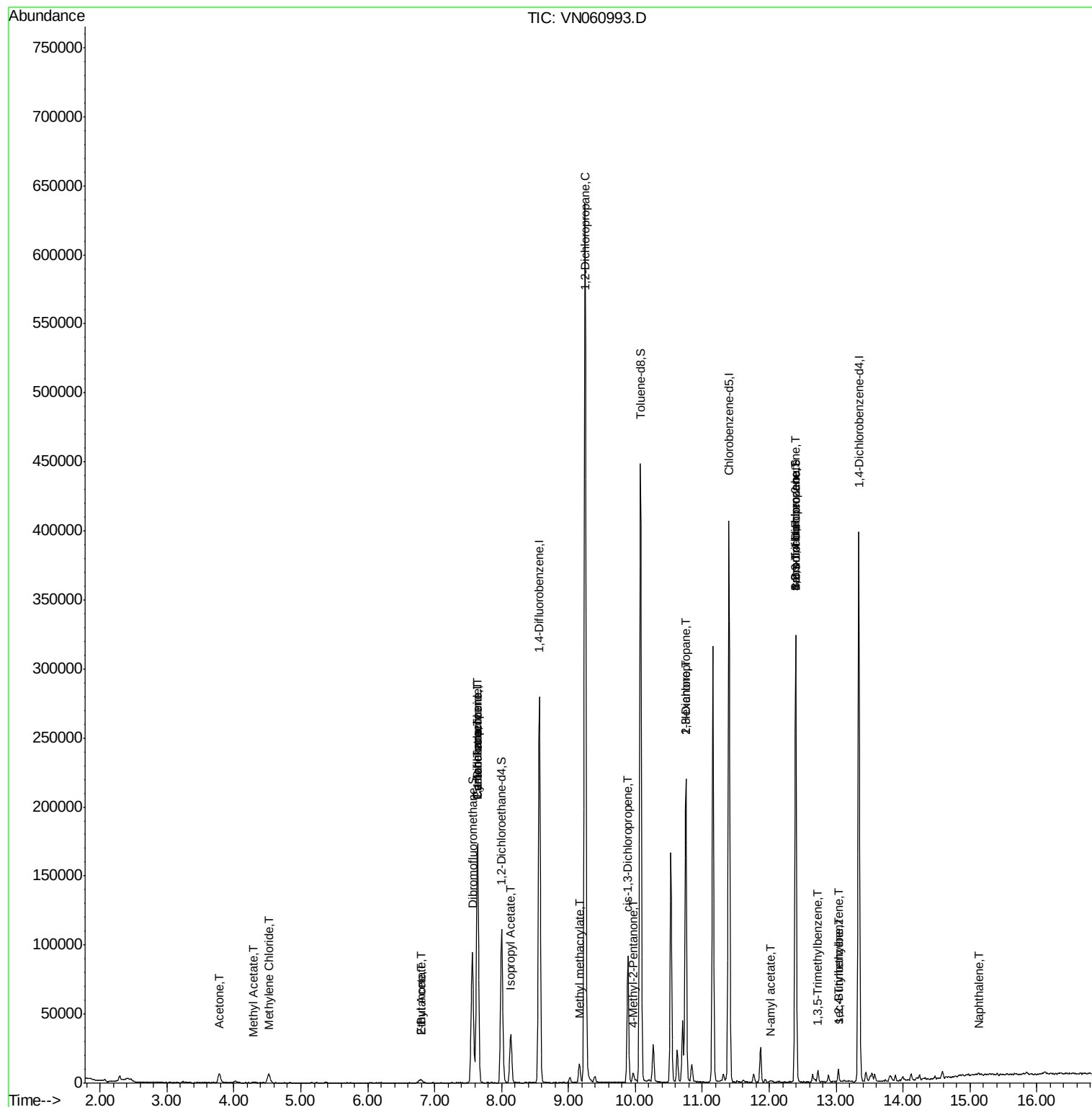
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	12635	18.261	ug/l	95
18) Methyl Acetate	4.29	43	1685	0.865	ug/l #	54
20) Methylene Chloride	4.52	84	5042	2.962	ug/l	95
25) 2-Butanone	6.80	43	3510	3.135	ug/l	94
31) Cyclohexane	7.64	56	3074	0.977	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11556	4.893	ug/l #	49
37) Ethyl Acetate	6.80	43	3510	1.375	ug/l #	70
38) Carbon Tetrachloride	7.64	117	13407	6.333	ug/l #	17
43) Isopropyl Acetate	8.14	43	42214	10.029	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	592	0.315	ug/l #	43
48) Methyl methacrylate	9.16	41	1996	1.065	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4652	1.942	ug/l	99
54) cis-1,3-Dichloropropene	9.89	75	16463	5.527	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	2146	0.746	ug/l #	42
59) 2-Hexanone	10.75	43	32671	18.936	ug/l #	52
71) Bromoform	12.39	173	94	1.747	ug/l #	1
74) N-amyl acetate	12.02	43	1460	0.400	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	58668	25.852	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4966	0.741	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.39	75	58668	66.395	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.03	105	5757	0.869	ug/l	97
85) sec-Butylbenzene	13.03	105	5757	0.771	ug/l #	58
95) Naphthalene	15.13	128	1490	0.252	ug/l #	69

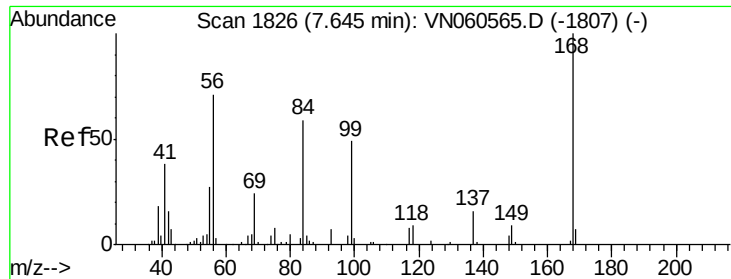
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041520\
Data File : VN060993.D
Acq On : 16 Apr 2020 3:35
Operator : JC/MD
Sample : L2281-14
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 16 06:45:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060993.D

Acq: 16 Apr 2020 3:35

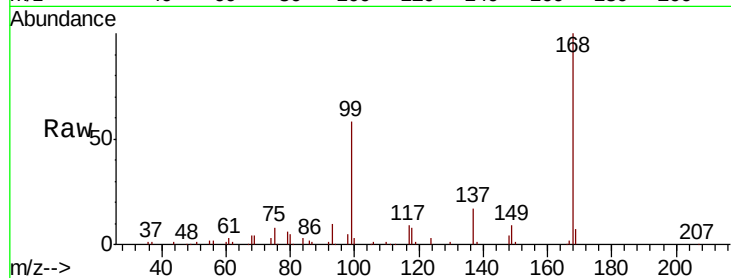
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 142289

Ion Ratio Lower Upper

168 100

99 57.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

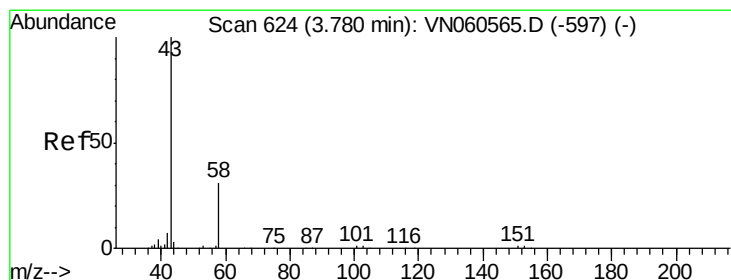
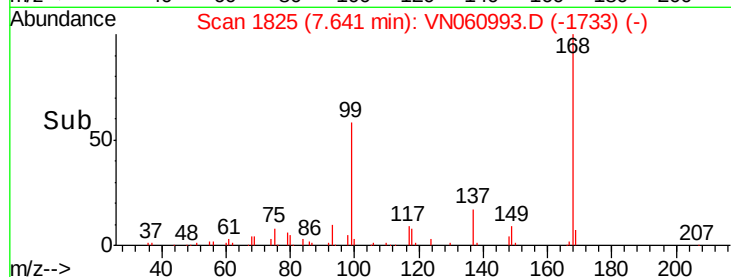
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 18.261 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060993.D

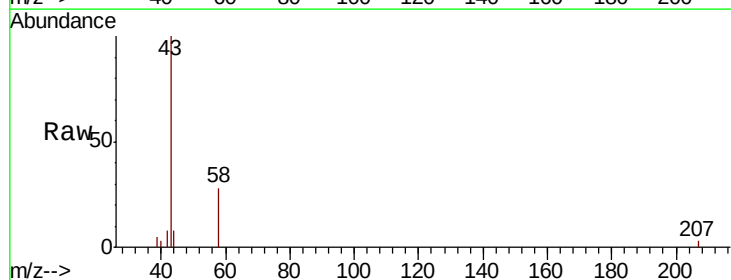
Acq: 16 Apr 2020 3:35

Tgt Ion: 43 Resp: 12635

Ion Ratio Lower Upper

43 100

58 28.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

5000

4000

3000

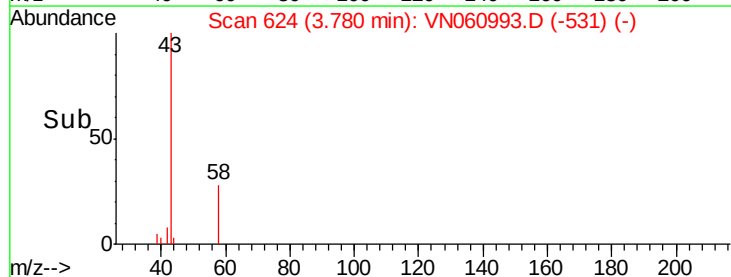
2000

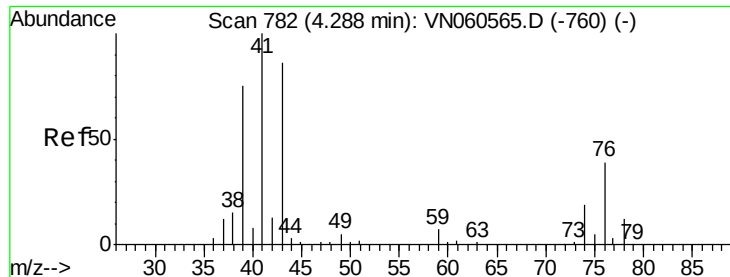
1000

0

3.70 3.75 3.80 3.85 3.90

Time-->

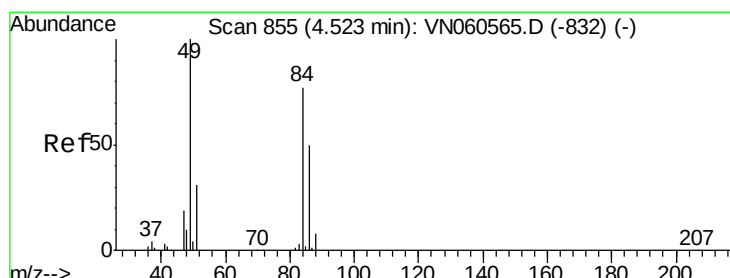
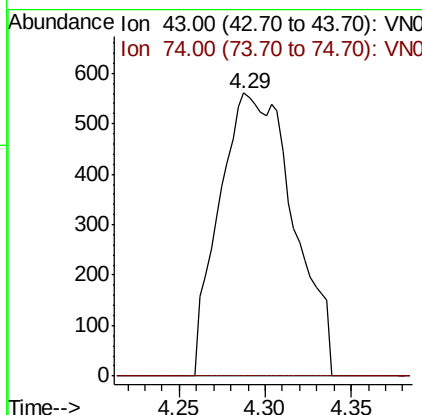
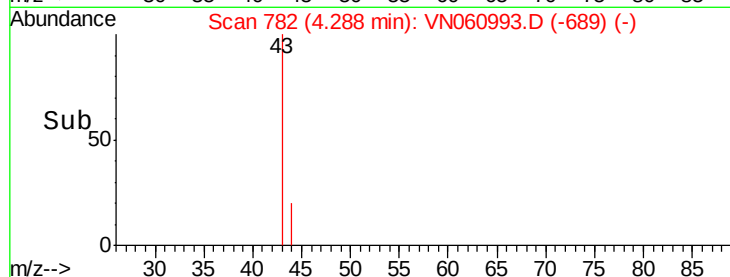
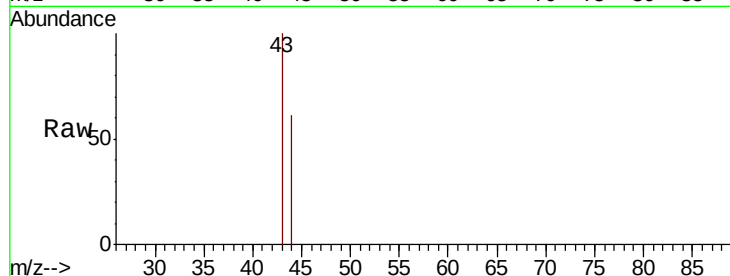




#18
Methyl Acetate
Concen: 0.865 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060993.D
Acq: 16 Apr 2020 3:35

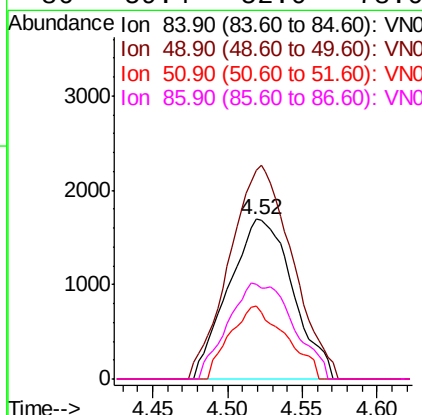
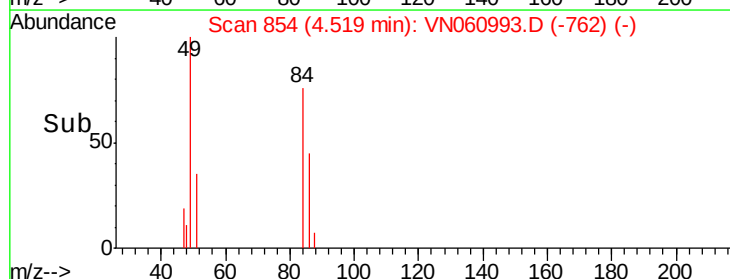
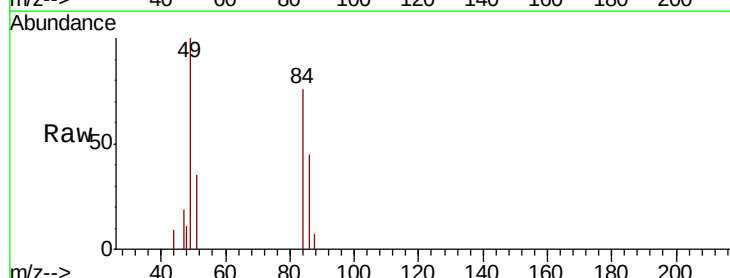
Instrument :
MSVOA_N
ClientSampleId :

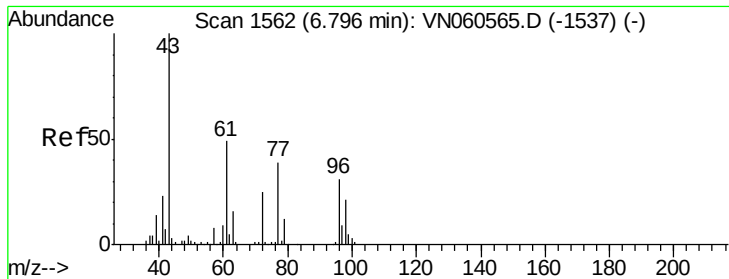
Tot Ion: 43 Resp: 1685
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.962 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060993.D
Acq: 16 Apr 2020 3:35

Tgt Ion: 84 Resp: 5042
Ion Ratio Lower Upper
84 100
49 131.1 103.3 154.9
51 45.6 31.6 47.4
86 59.4 52.0 78.0





#25

2-Butanone

Concen: 3.135 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN060993.D

Acq: 16 Apr 2020 3:35

Instrument :

MSVOA_N

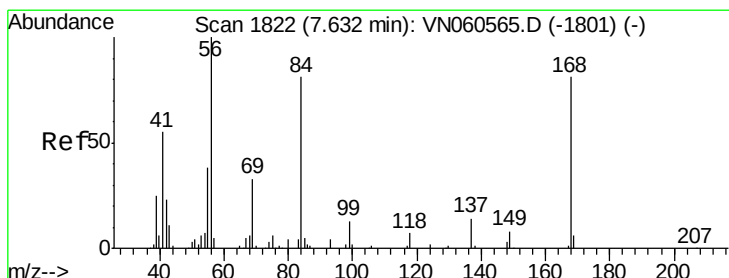
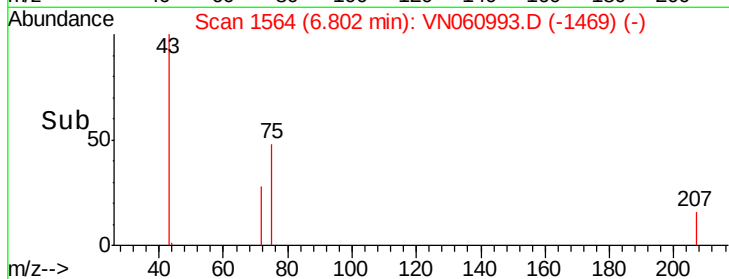
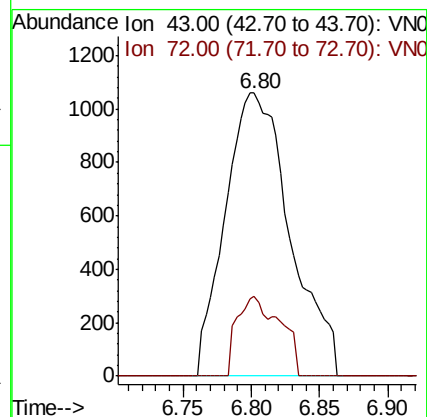
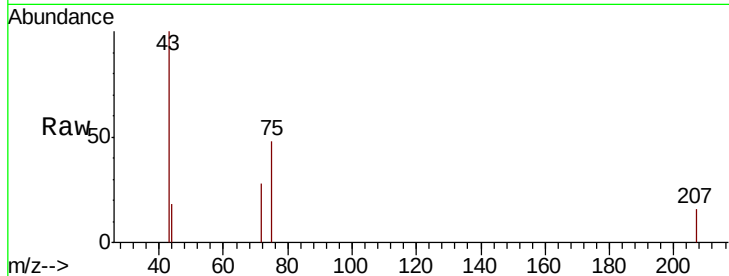
ClientSampleId :

Tot Ion: 43 Resp: 3510

Ion Ratio Lower Upper

43 100

72 28.3 20.4 30.6



#31

Cyclohexane

Concen: 0.977 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060993.D

Acq: 16 Apr 2020 3:35

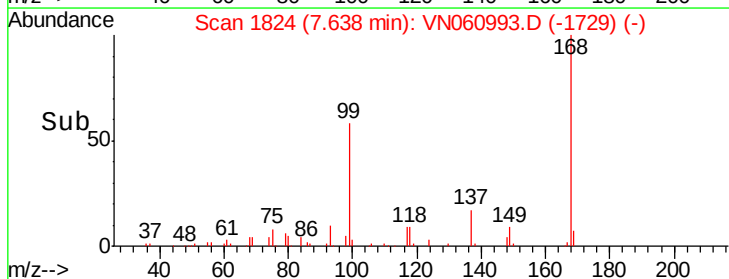
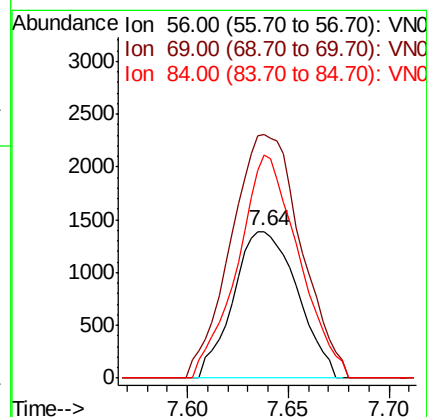
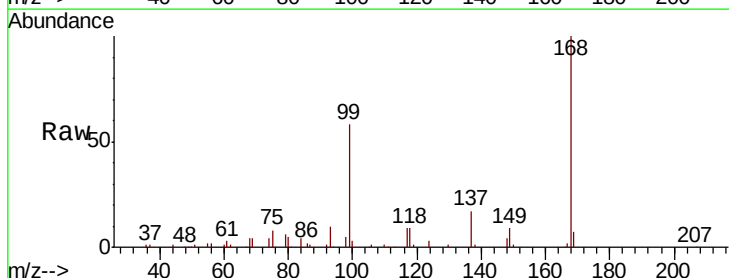
Tgt Ion: 56 Resp: 3074

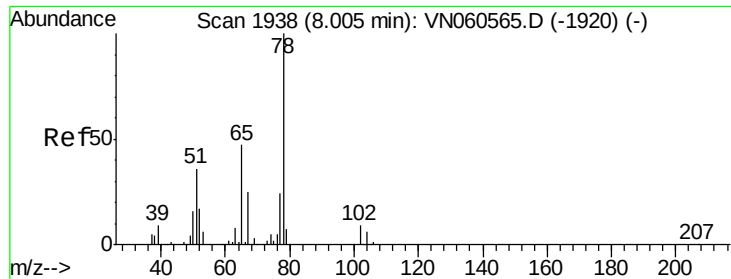
Ion Ratio Lower Upper

56 100

69 153.6 26.6 40.0#

84 151.8 64.3 96.5#

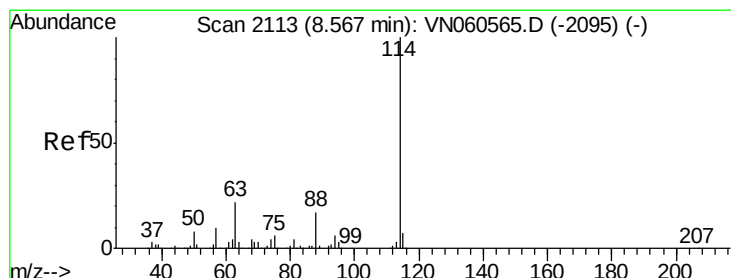
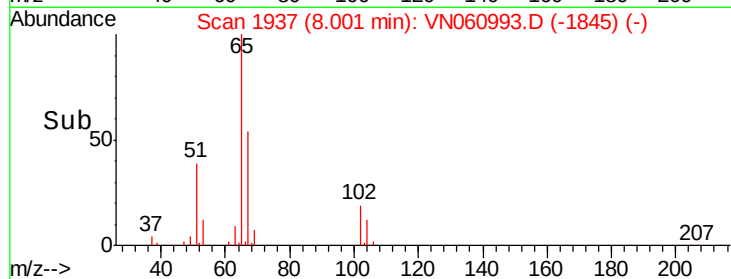
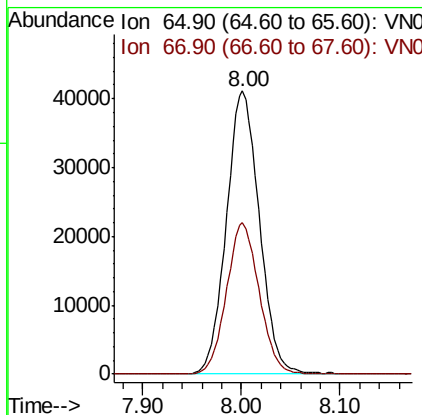
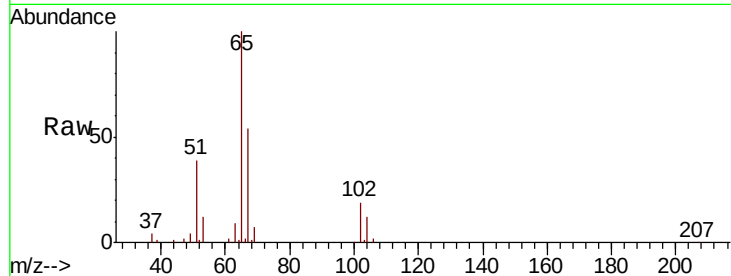




#33
 1,2-Dichloroethane-d4
 Concen: 49.147 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060993.D
 Acq: 16 Apr 2020 3:35

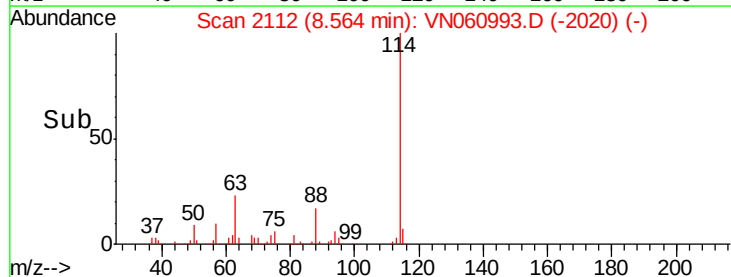
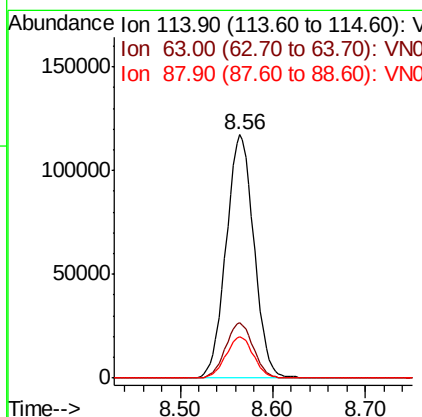
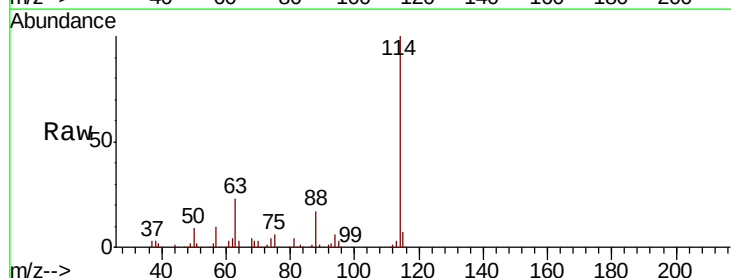
Instrument :
 MSVOA_N
 ClientSampleId :

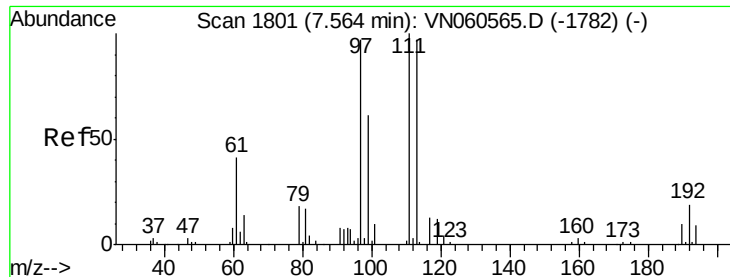
Tot Ion: 65 Resp: 95999
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060993.D
 Acq: 16 Apr 2020 3:35

Tgt Ion: 114 Resp: 243927
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.8
 88 16.9 0.0 33.0

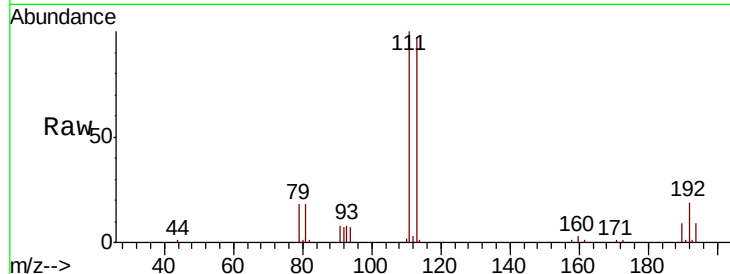




#35
 Dibromofluoromethane
 Concen: 48.827 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060993.D
 Acq: 16 Apr 2020 3:35

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.9	124.3
192	19.6	15.8	23.8

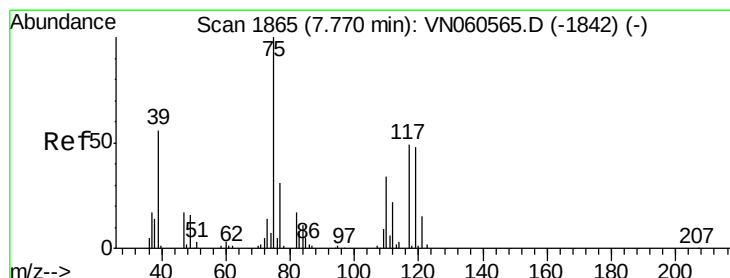
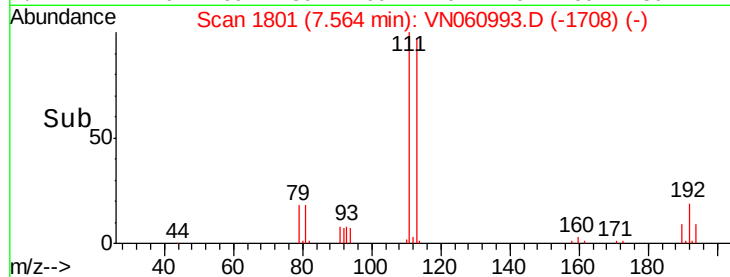
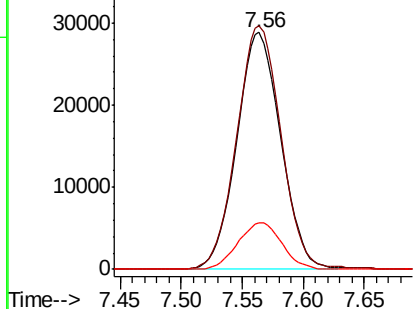


Abundance

Ion 112.80 (112.50 to 113.50): V

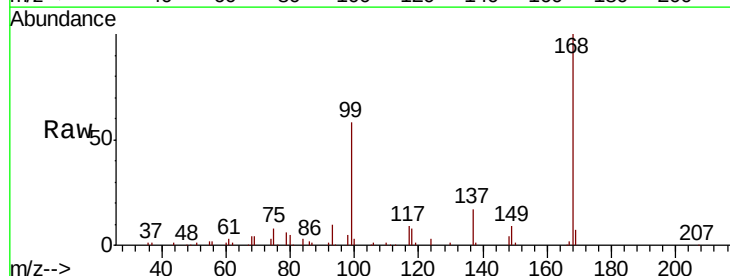
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.893 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060993.D
 Acq: 16 Apr 2020 3:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.8	16.9	50.6#
77	0.0	24.6	36.8#

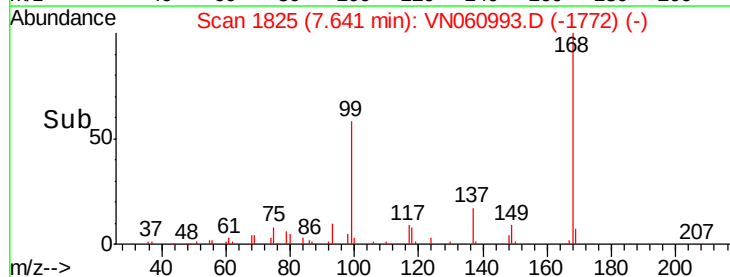
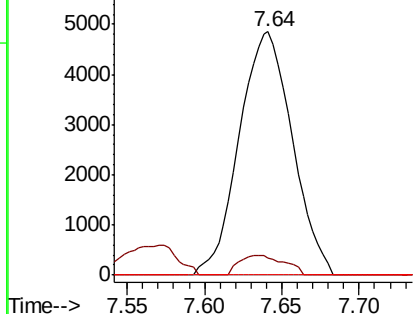


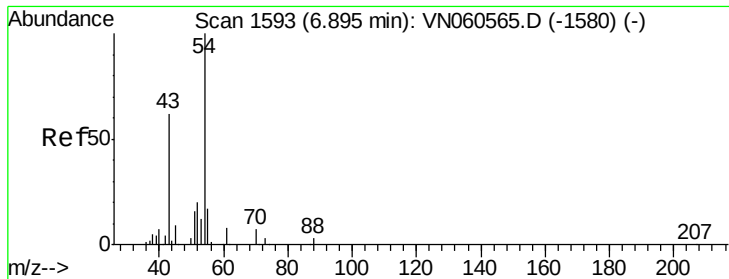
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

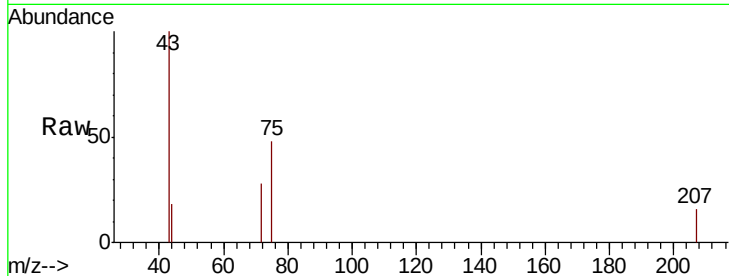




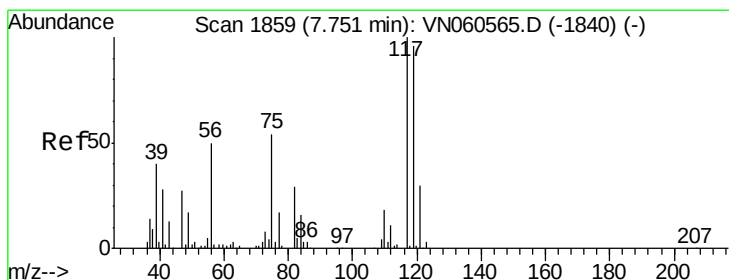
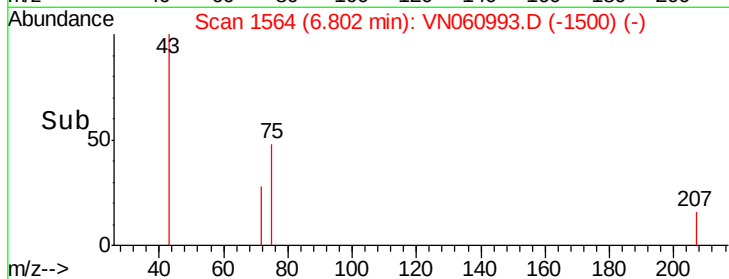
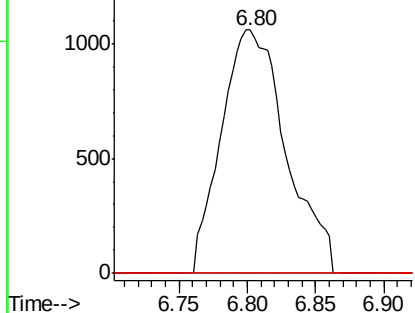
#37
Ethyl Acetate
Concen: 1.375 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.09 min
Lab File: VN060993.D
Acq: 16 Apr 2020 3:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3510
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#

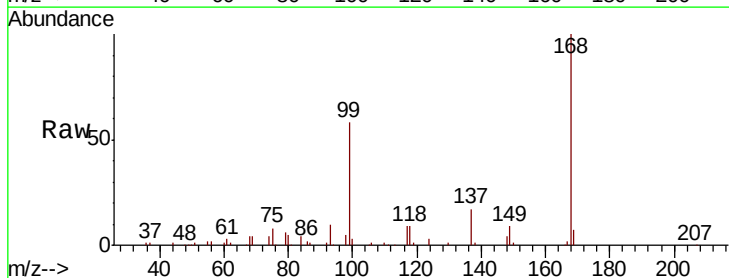


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

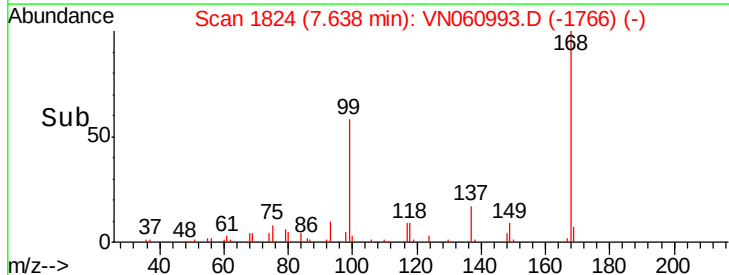
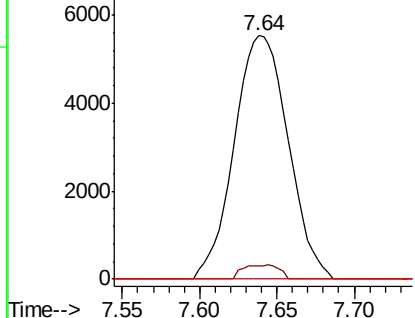


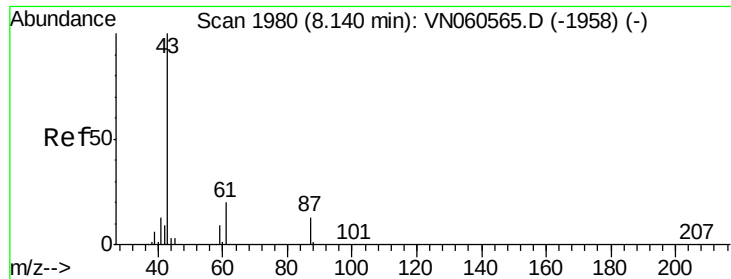
#38
Carbon Tetrachloride
Concen: 6.333 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN060993.D
Acq: 16 Apr 2020 3:35

Tgt Ion: 117 Resp: 13407
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 23.7 35.5#



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





#43

Isopropyl Acetate

Concen: 10.029 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060993.D

Acq: 16 Apr 2020 3:35

Instrument :

MSVOA_N

ClientSampleId :

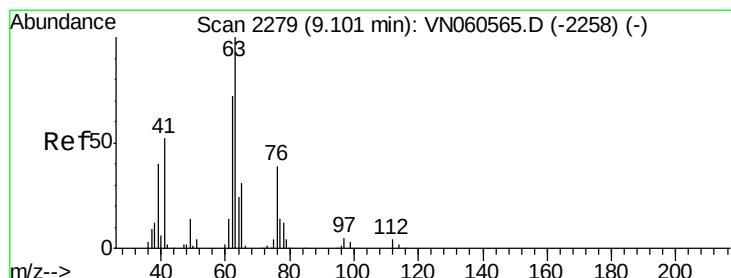
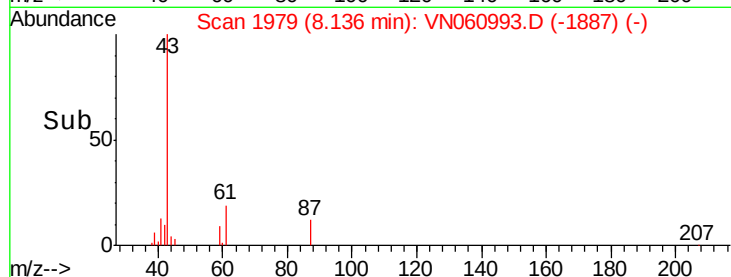
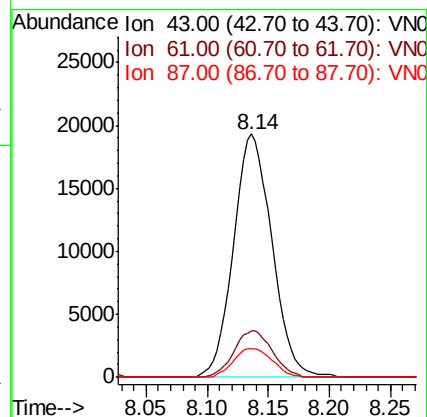
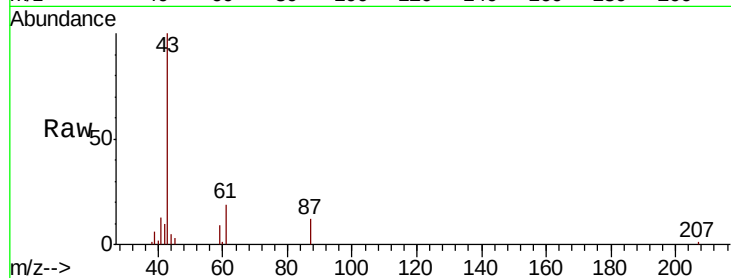
Tot Ion: 43 Resp: 42214

Ion Ratio Lower Upper

43 100

61 19.1 20.7 31.1#

87 11.9 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.315 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060993.D

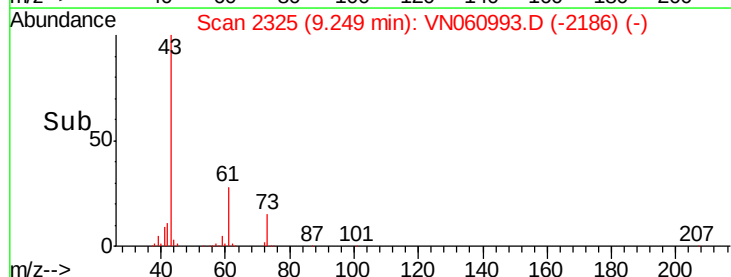
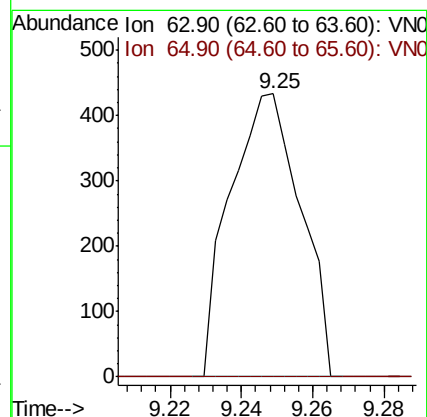
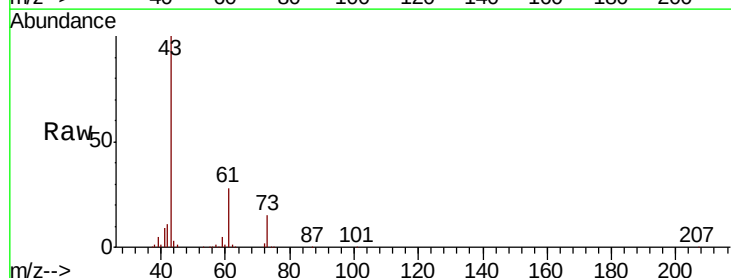
Acq: 16 Apr 2020 3:35

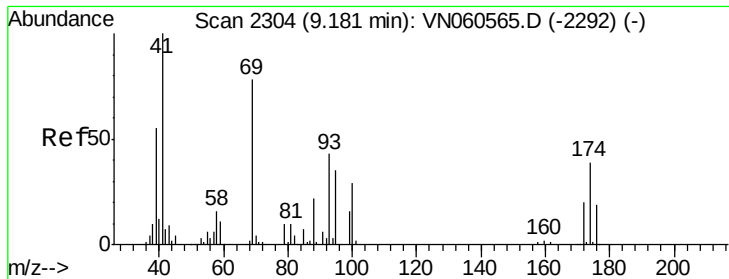
Tgt Ion: 63 Resp: 592

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

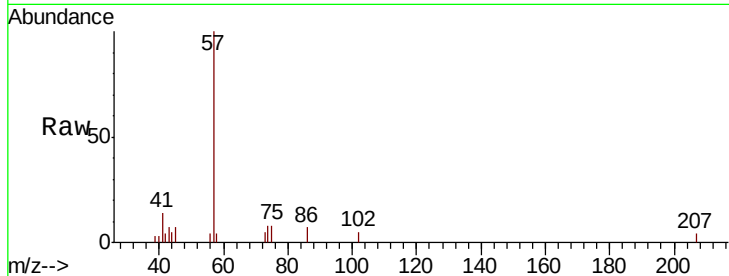




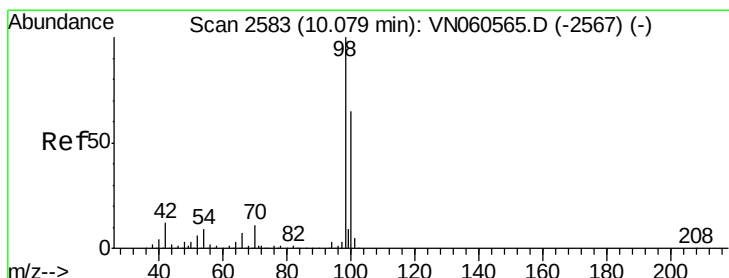
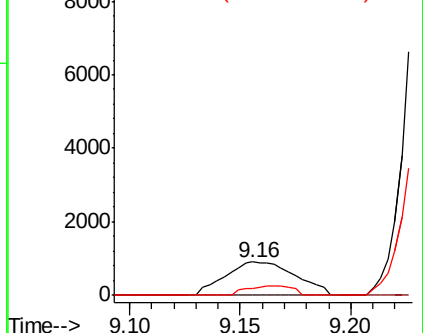
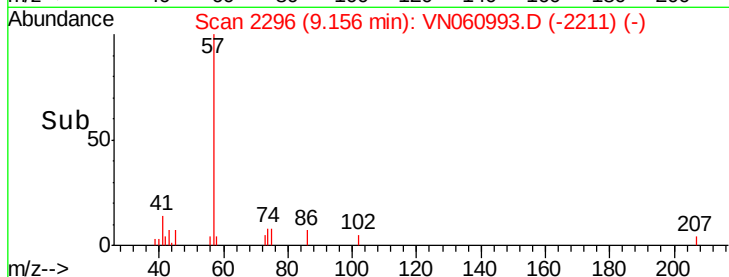
#48
Methvl methacrylate
Concen: 1.065 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060993.D
Acq: 16 Apr 2020 3:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 1996
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

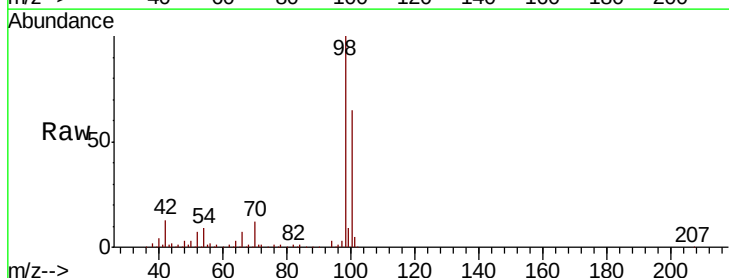


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

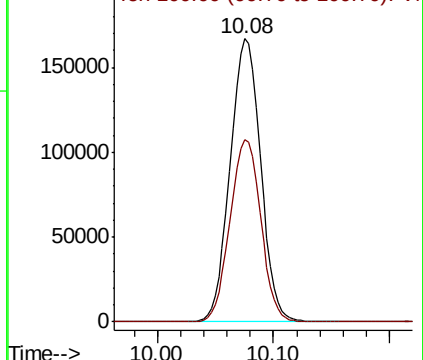
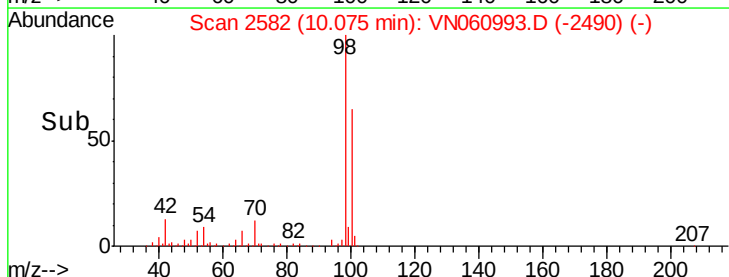


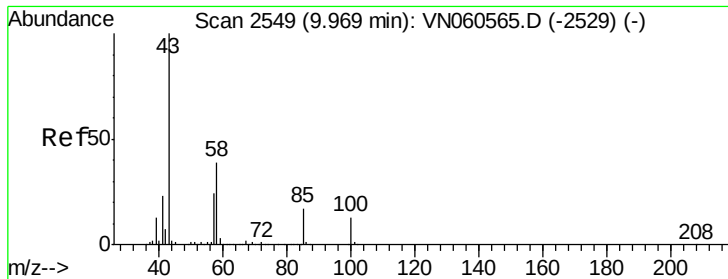
#50
Toluene-d8
Concen: 50.377 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060993.D
Acq: 16 Apr 2020 3:35

Tgt Ion: 98 Resp: 303498
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8



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

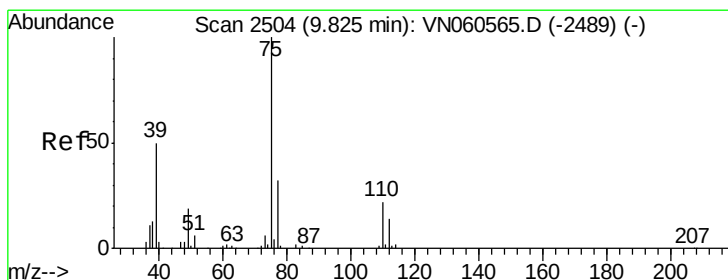
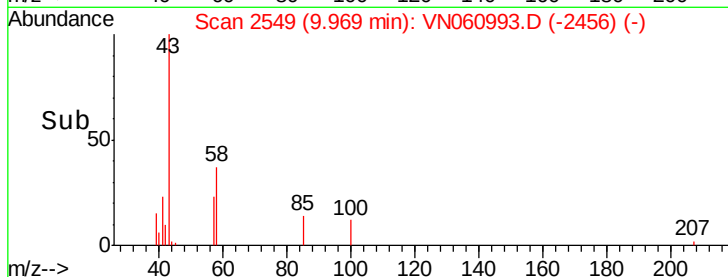
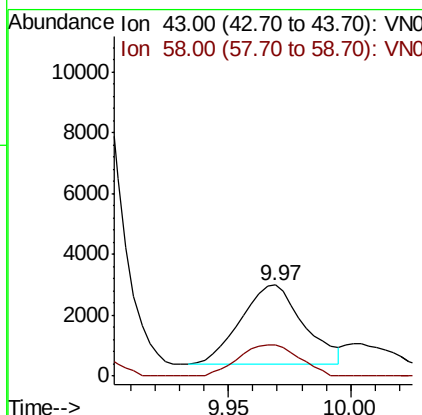
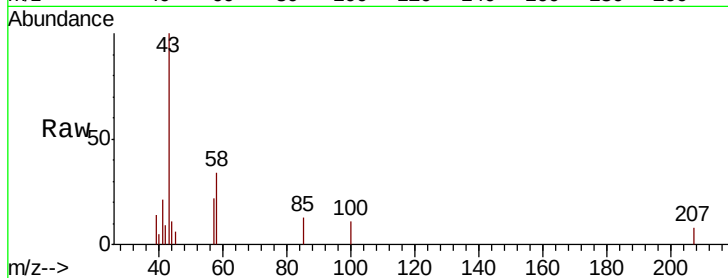




#51
 4-Methyl-2-Pentanone
 Concen: 1.942 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060993.D
 Acq: 16 Apr 2020 3:35

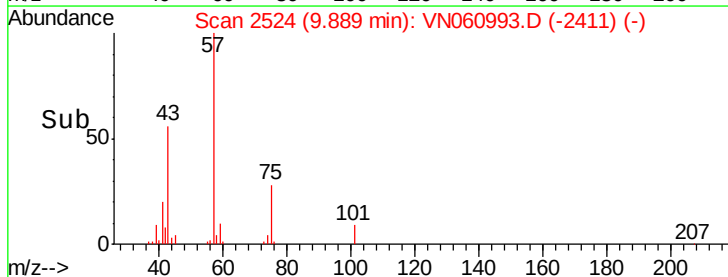
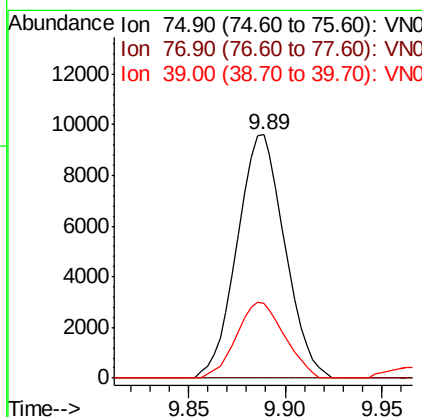
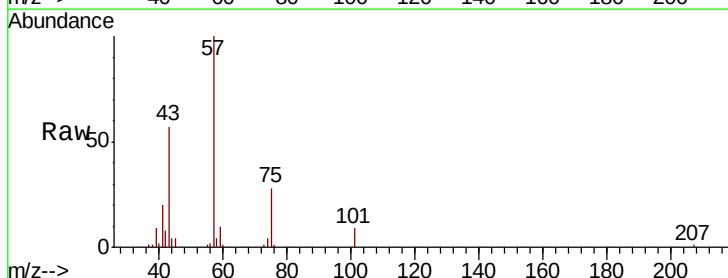
Instrument :
 MSVOA_N
 ClientSampled :

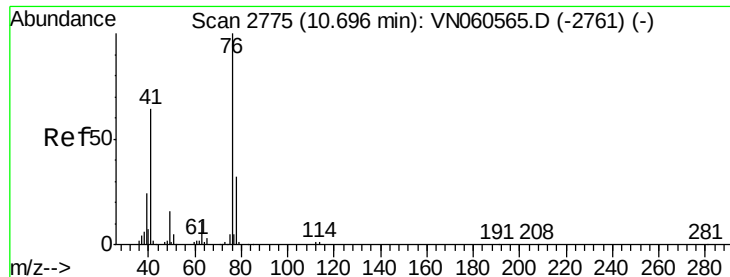
Tot Ion: 43 Resp: 4652
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 5.527 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060993.D
 Acq: 16 Apr 2020 3:35

Tgt Ion: 75 Resp: 16463
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 30.6 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 0.746 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060993.D

Acq: 16 Apr 2020 3:35

Instrument :

MSVOA_N

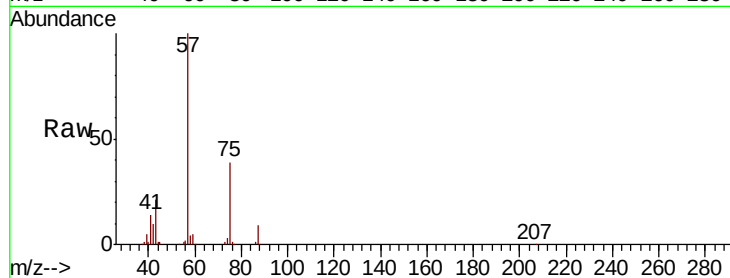
ClientSampleId :

Tot Ion: 76 Resp: 2146

Ion Ratio Lower Upper

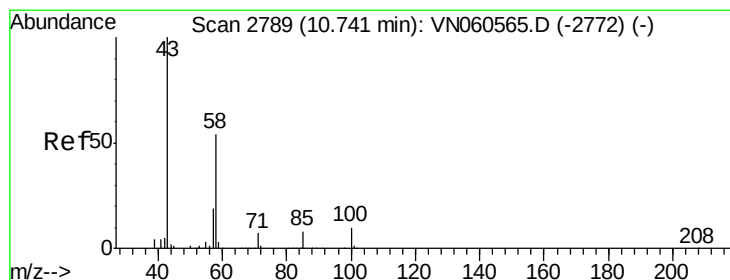
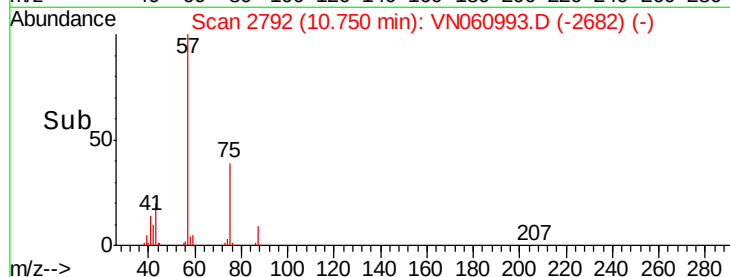
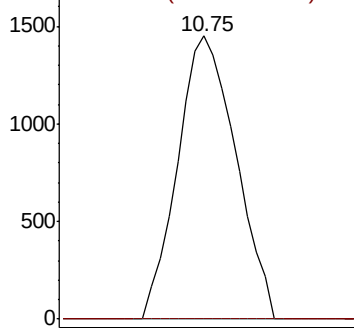
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 18.936 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060993.D

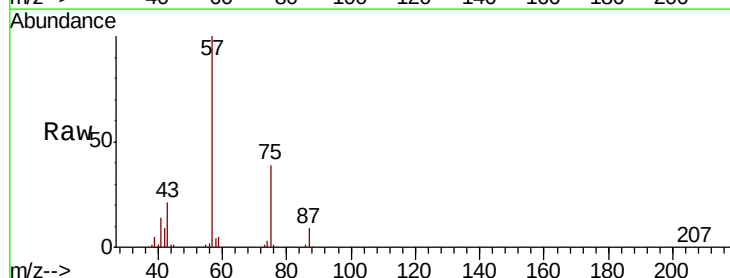
Acq: 16 Apr 2020 3:35

Tgt Ion: 43 Resp: 32671

Ion Ratio Lower Upper

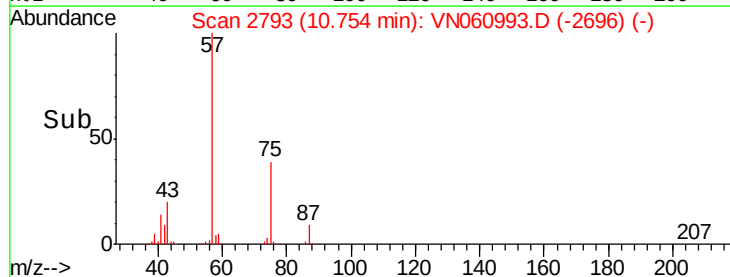
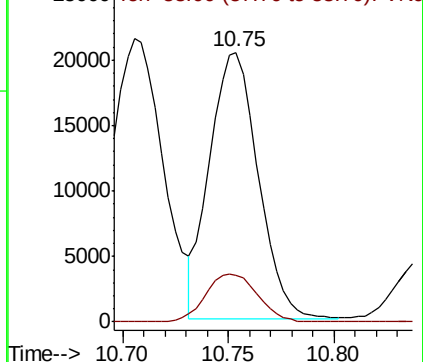
43 100

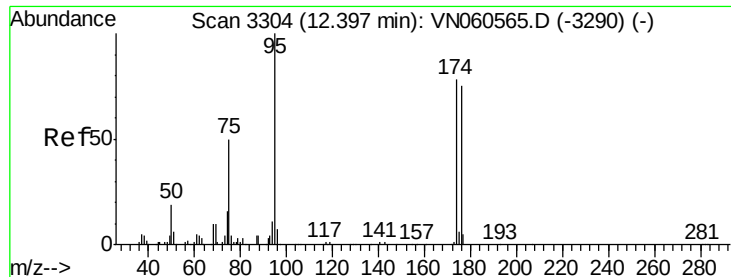
58 19.2 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 52.104 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060993.D

Acq: 16 Apr 2020 3:35

Instrument :

MSVOA_N

ClientSampleId :

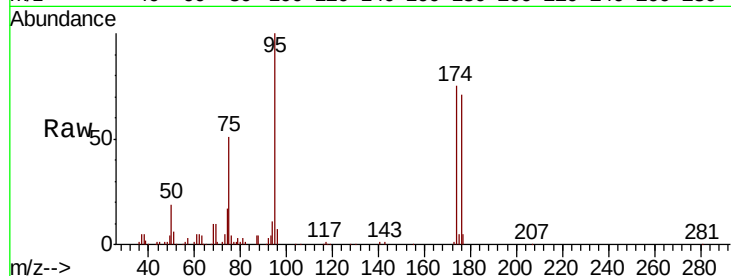
Tot Ion: 95 Resp: 115041

Ion Ratio Lower Upper

95 100

174 76.2 0.0 157.6

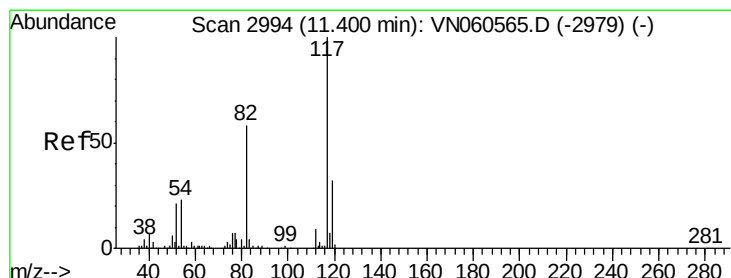
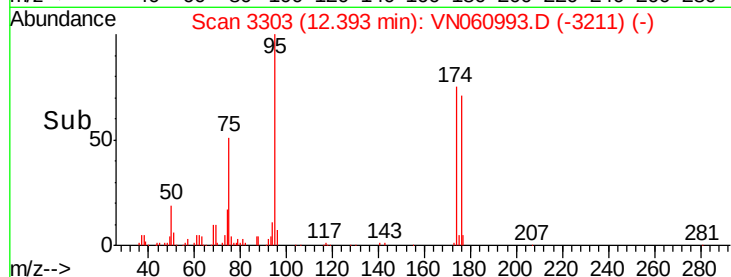
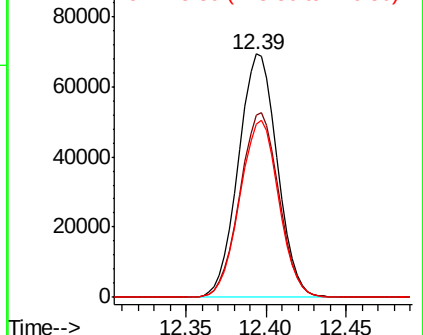
176 72.9 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060993.D (-2901) (-)

Ion 173.80 (173.50 to 174.50): VN060993.D (-2901) (-)

Ion 175.80 (175.50 to 176.50): VN060993.D (-2901) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060993.D

Acq: 16 Apr 2020 3:35

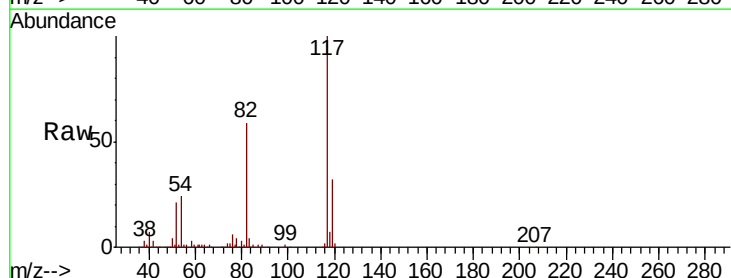
Tgt Ion: 117 Resp: 230339

Ion Ratio Lower Upper

117 100

82 59.4 46.7 70.1

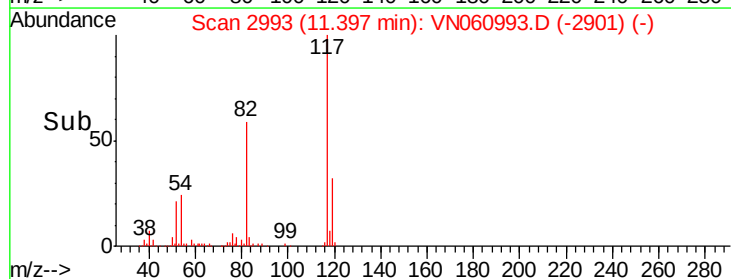
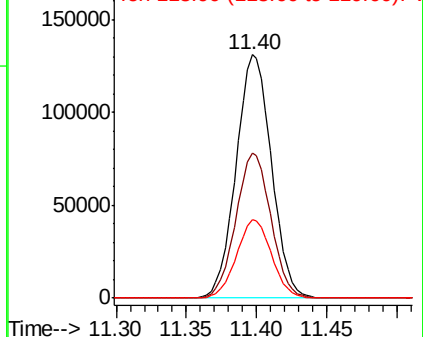
119 32.1 25.5 38.3

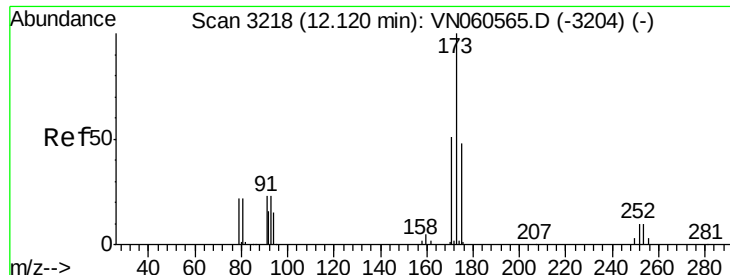


Abundance Ion 116.90 (116.60 to 117.60): VN060993.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060993.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060993.D (-2901) (-)





#71

Bromoform

Concen: 1.747 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060993.D

Acq: 16 Apr 2020 3:35

Instrument :

MSVOA_N

ClientSampled :

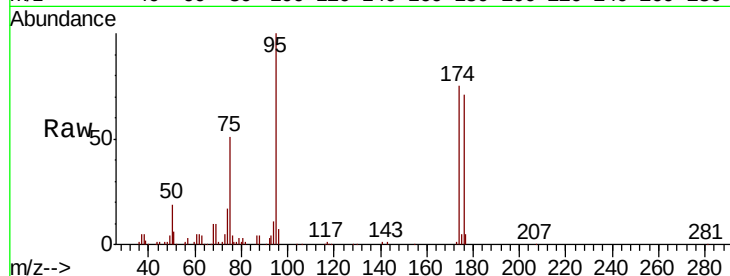
Tot Ion:173 Resp: 94

Ion Ratio Lower Upper

173 100

175 5857.4 24.1 72.4#

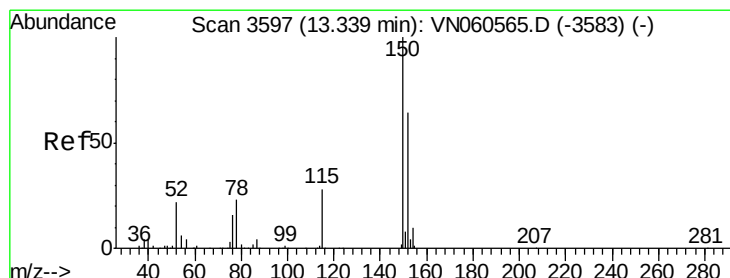
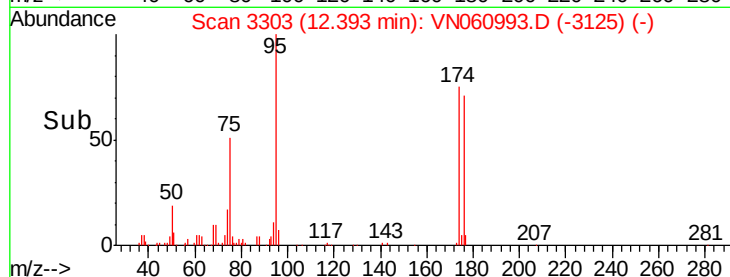
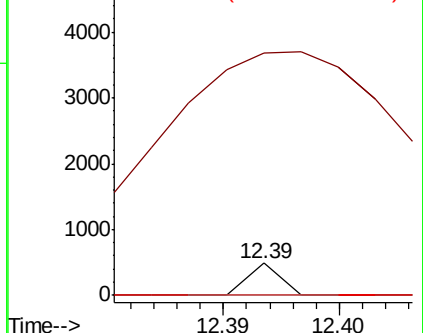
254 0.0 0.0 0.0



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: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060993.D

Acq: 16 Apr 2020 3:35

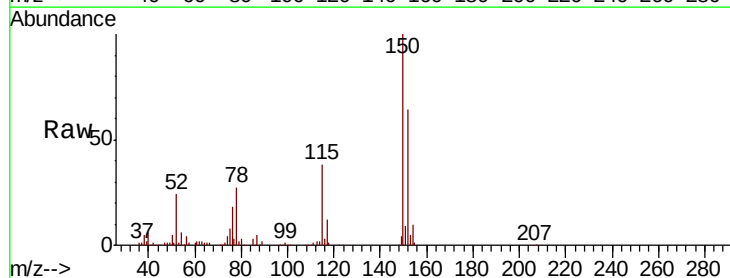
Tgt Ion:152 Resp: 105173

Ion Ratio Lower Upper

152 100

115 60.8 30.2 90.6

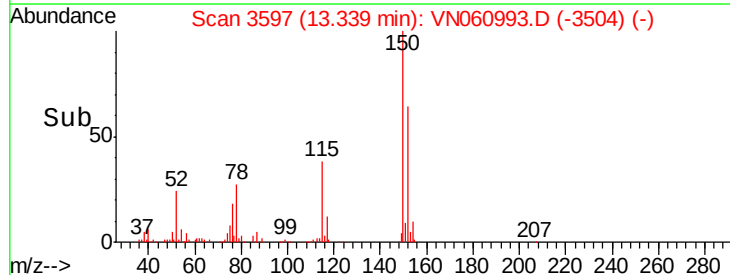
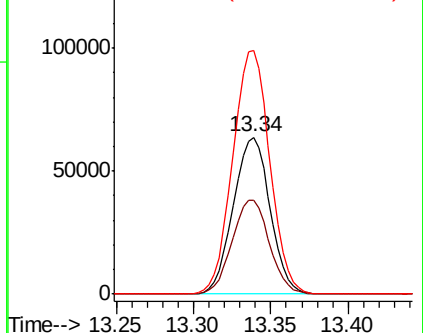
150 156.8 0.0 350.2

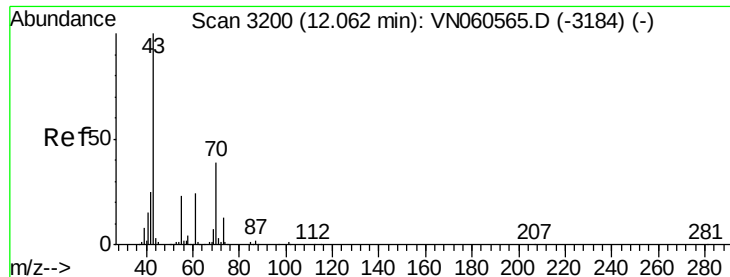


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

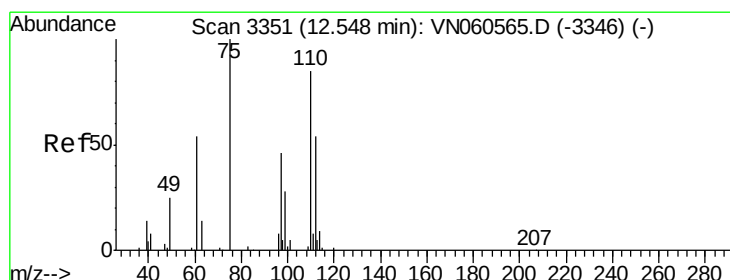
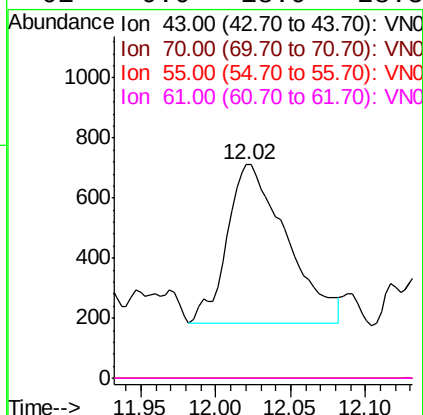
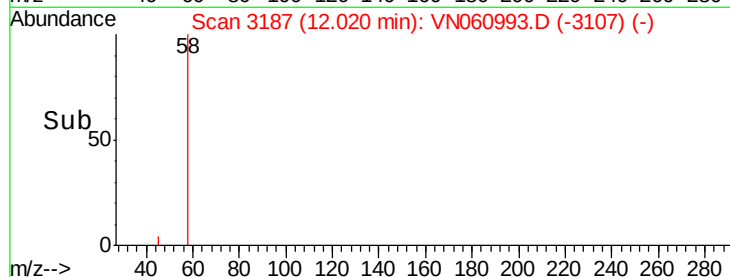
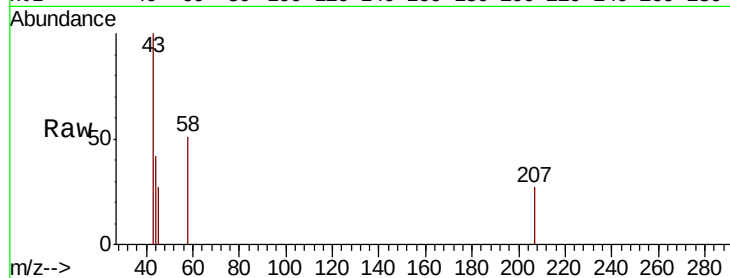




#74
N-amvl acetate
Concen: 0.400 ug/l
RT: 12.02 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VN060993.D
Acq: 16 Apr 2020 3:35

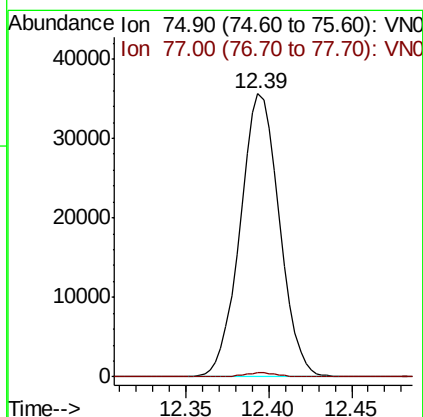
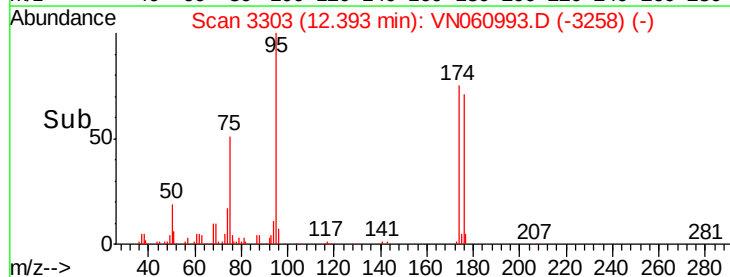
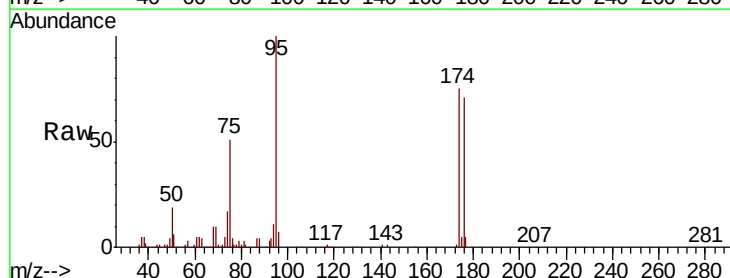
Instrument :
MSVOA_N
ClientSampled :

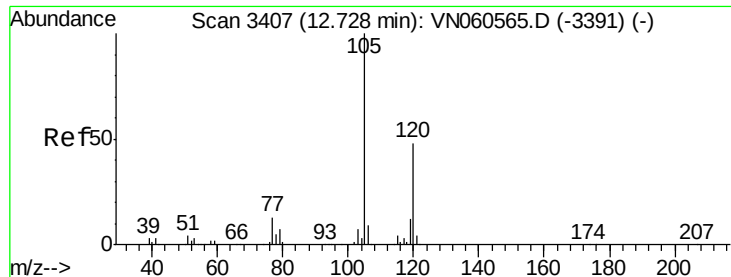
Tot Ion: 43 Resp: 1460
Ion Ratio Lower Upper
43 100
70 0.0 31.1 46.7#
55 0.0 18.6 27.8#
61 0.0 18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 25.852 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.15 min
Lab File: VN060993.D
Acq: 16 Apr 2020 3:35

Tgt Ion: 75 Resp: 58668
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

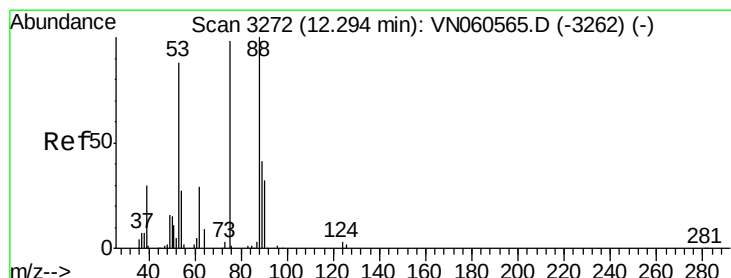
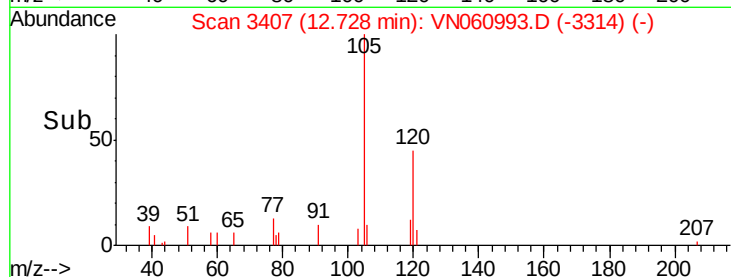
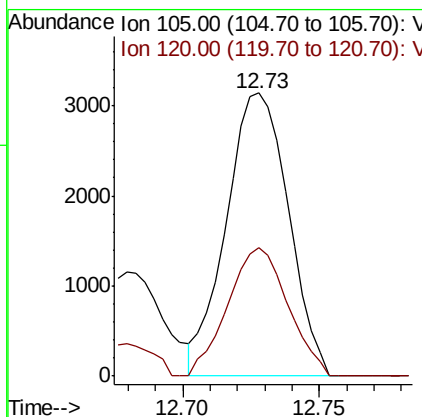
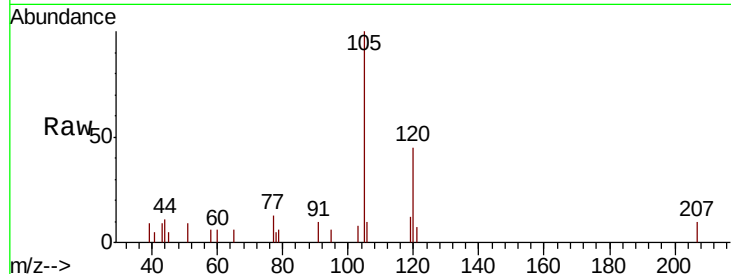




#80
 1,3,5-Trimethylbenzene
 Concen: 0.741 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060993.D
 Acq: 16 Apr 2020 3:35

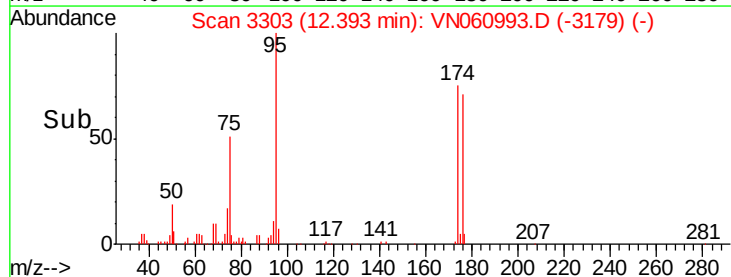
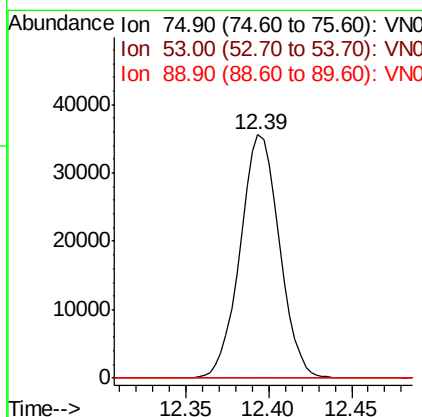
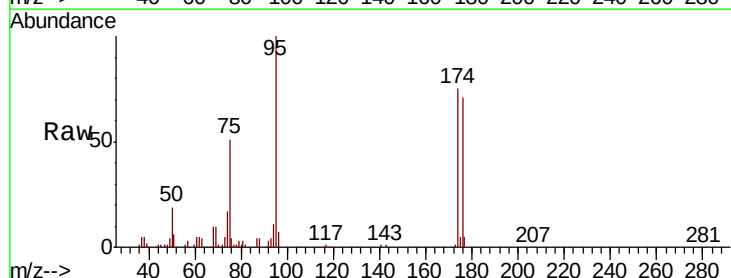
Instrument :
 MSVOA_N
 ClientSampleId :

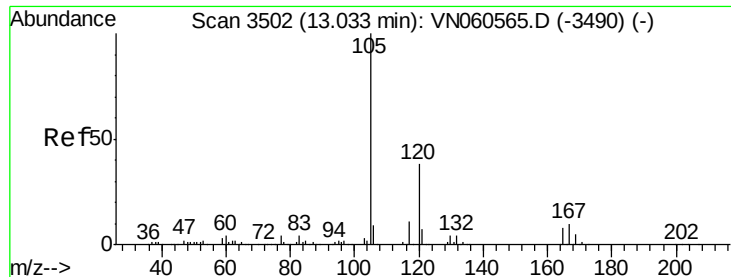
Tot Ion:105 Resp: 4966
 Ion Ratio Lower Upper
 105 100
 120 43.9 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.395 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.10 min
 Lab File: VN060993.D
 Acq: 16 Apr 2020 3:35

Tgt Ion: 75 Resp: 58668
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

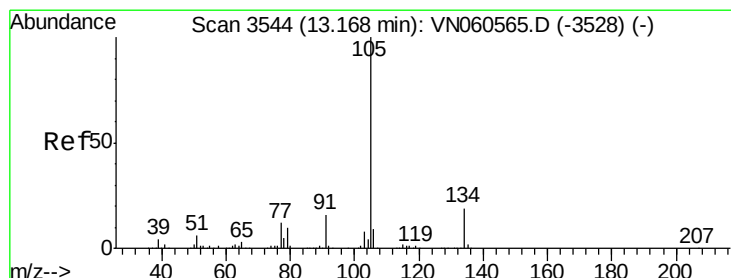
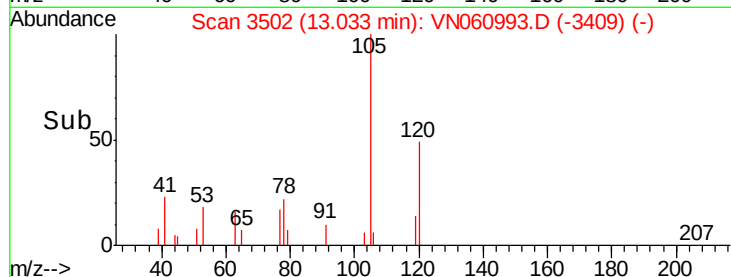
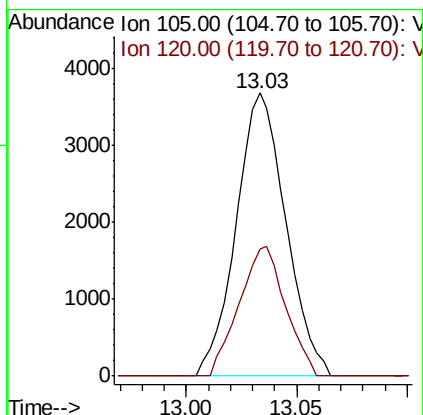
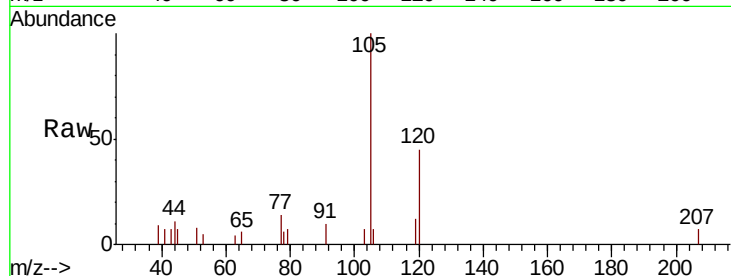




#84
 1,2,4-Trimethylbenzene
 Concen: 0.869 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060993.D
 Acq: 16 Apr 2020 3:35

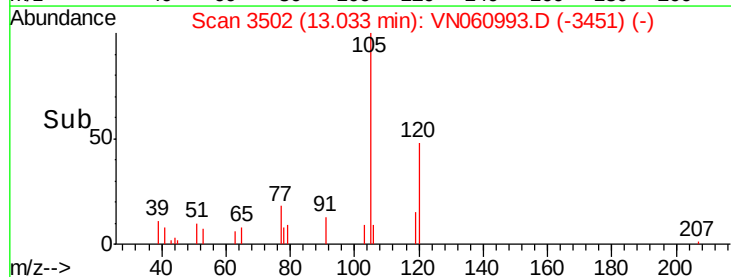
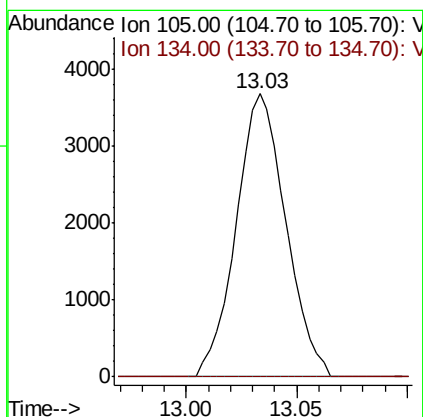
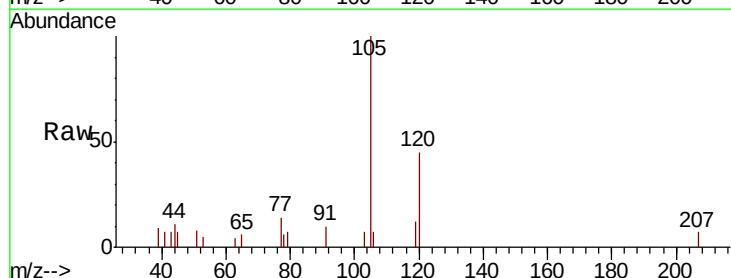
Instrument :
 MSVOA_N
 ClientSampled :

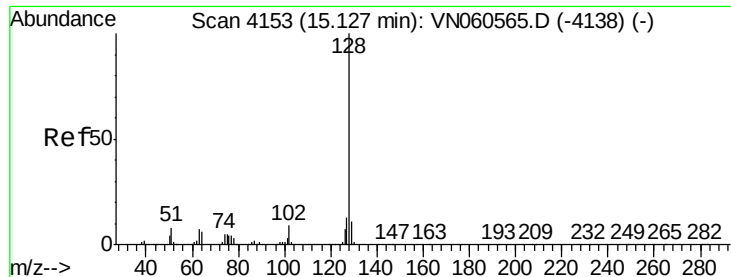
Tot Ion:105 Resp: 5757
 Ion Ratio Lower Upper
 105 100
 120 42.6 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 0.771 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.14 min
 Lab File: VN060993.D
 Acq: 16 Apr 2020 3:35

Tgt Ion:105 Resp: 5757
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.8#





#95

Naphthalene

Concen: 0.252 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

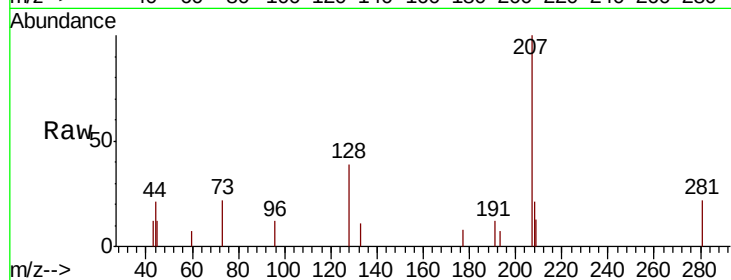
Lab File: VN060993.D

Acq: 16 Apr 2020 3:35

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:	128	Resp:	1490
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.8	13.2#

