

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060088.D
 Acq On : 13 Feb 2020 12:43
 Operator : JC/MD
 Sample : L1370-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 14 04:55:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	308787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138845	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	119943	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
35) Dibromofluoromethane	7.57	113	97572	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
50) Toluene-d8	10.08	98	395185	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.40	95	141693	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	

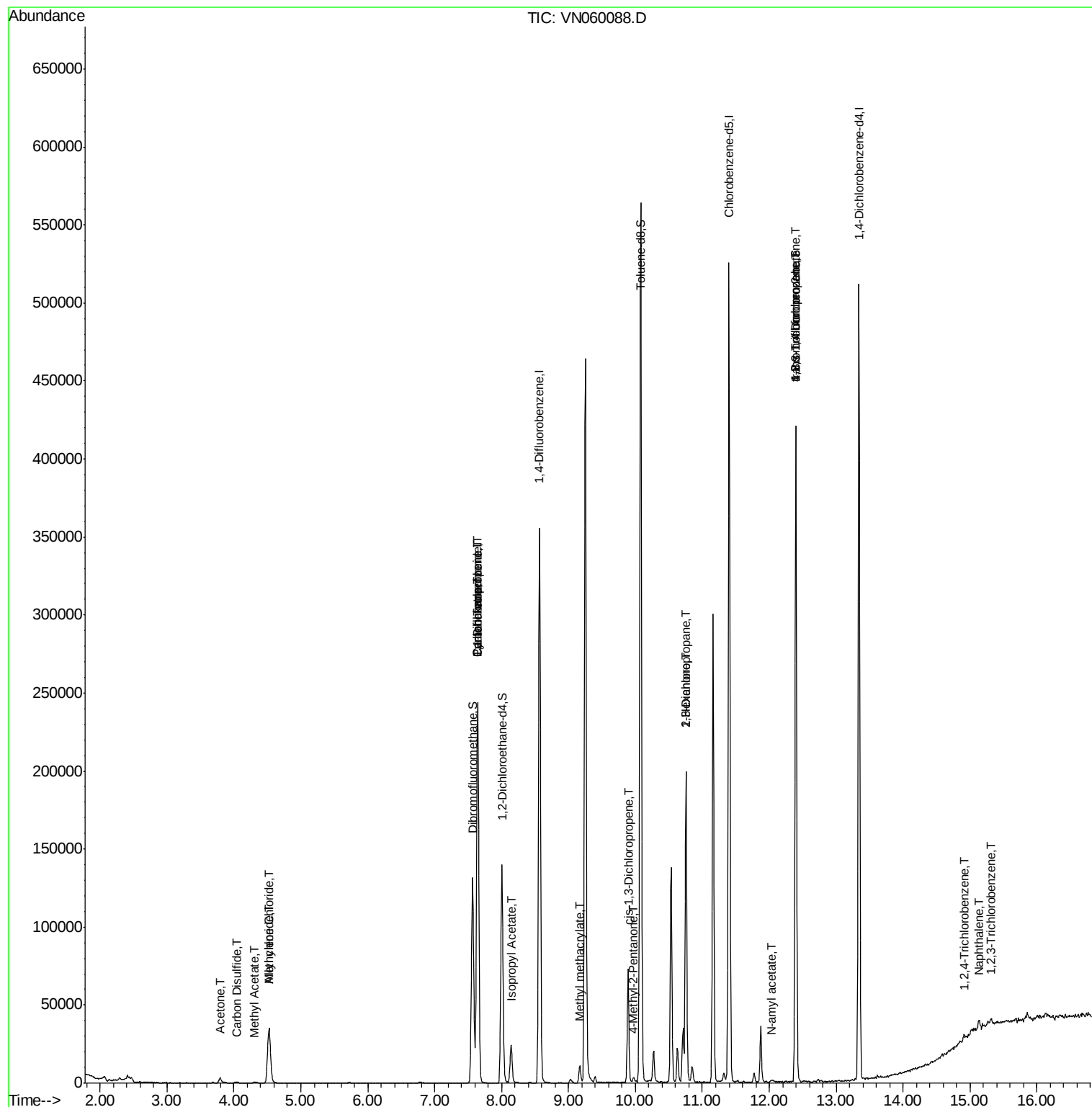
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.53	41	755	0.261	ug/l #	16
16) Acetone	3.79	43	5534	5.025	ug/l	93
17) Carbon Disulfide	4.04	76	1276	0.216	ug/l #	76
18) Methyl Acetate	4.30	43	779	0.377	ug/l #	50
20) Methylene Chloride	4.53	84	28761	13.089	ug/l	99
31) Cyclohexane	7.64	56	4204	1.177	ug/l #	12
36) 1,1-Dichloropropene	7.64	75	15052	4.975	ug/l #	46
38) Carbon Tetrachloride	7.64	117	19574	5.957	ug/l #	15
43) Isopropyl Acetate	8.14	43	29272	6.262	ug/l #	90
48) Methyl methacrylate	9.17	41	1497	0.714	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	2391	0.884	ug/l #	86
54) cis-1,3-Dichloropropene	9.89	75	13353	3.519	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	2282	0.616	ug/l #	43
59) 2-Hexanone	10.75	43	29260	13.999	ug/l #	53
74) N-amyl acetate	12.03	43	839	0.224	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	73729	27.755	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	73729	67.959	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.25	75	58	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	869	0.332	ug/l	94
95) Naphthalene	15.13	128	4938	0.698	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	958	0.367	ug/l	94

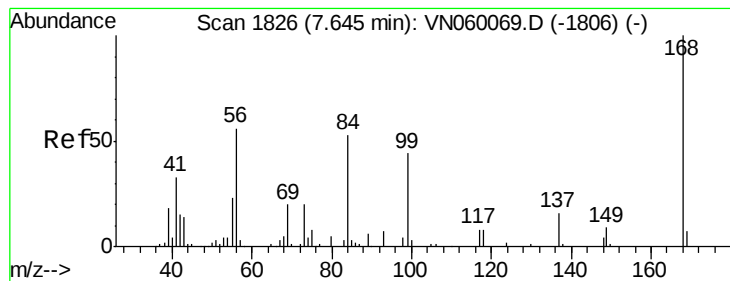
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021320\
Data File : VN060088.D
Acq On : 13 Feb 2020 12:43
Operator : JC/MD
Sample : L1370-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 14 04:55:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060088.D

Acq: 13 Feb 2020 12:43

Instrument :

MSVOA_N

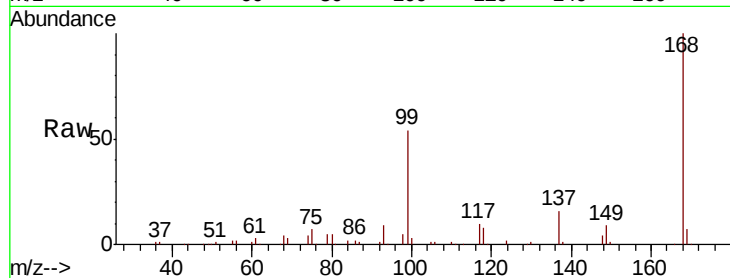
ClientSampleId :

Tot Ion:168 Resp: 207505

Ion Ratio Lower Upper

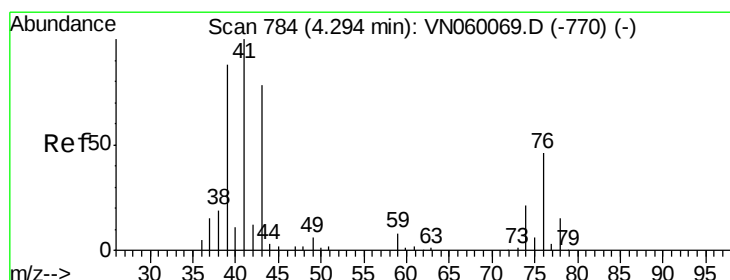
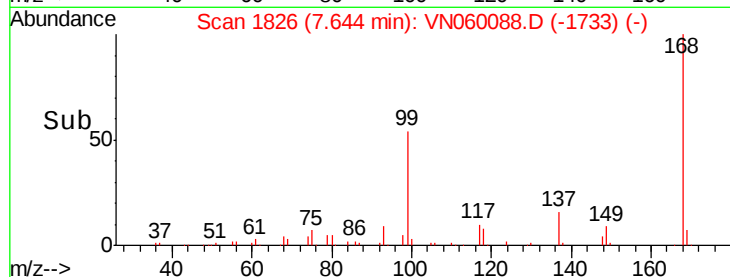
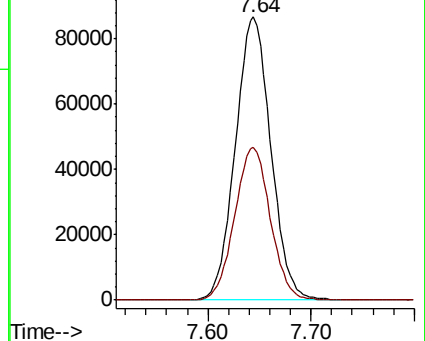
168 100

99 53.9 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#14

Allyl chloride

Concen: 0.261 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.24 min

Lab File: VN060088.D

Acq: 13 Feb 2020 12:43

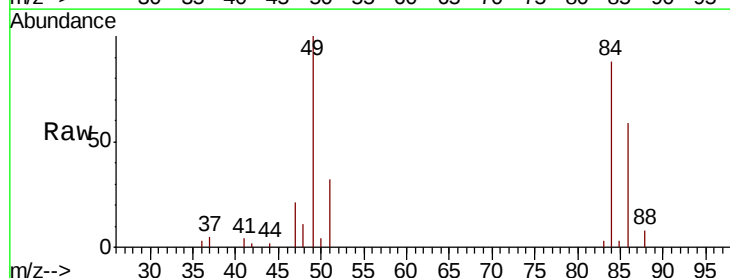
Tgt Ion: 41 Resp: 755

Ion Ratio Lower Upper

41 100

39 0.0 67.8 101.8#

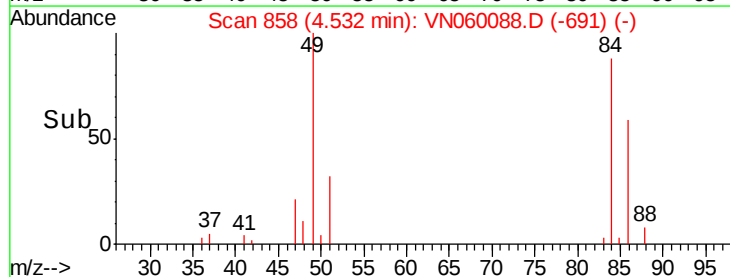
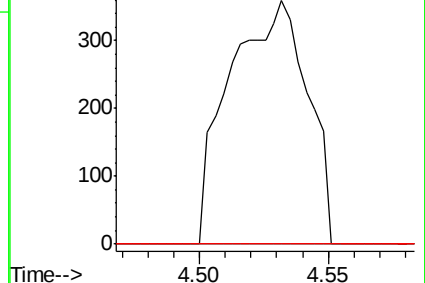
76 0.0 33.9 50.9#

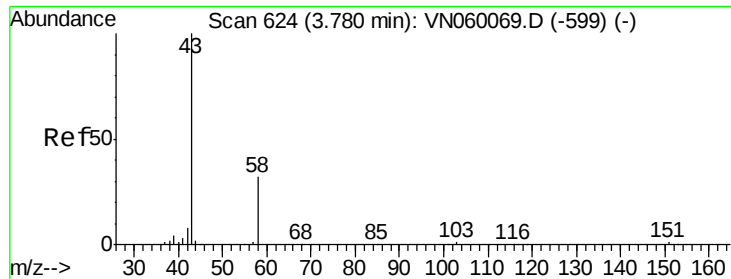


Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

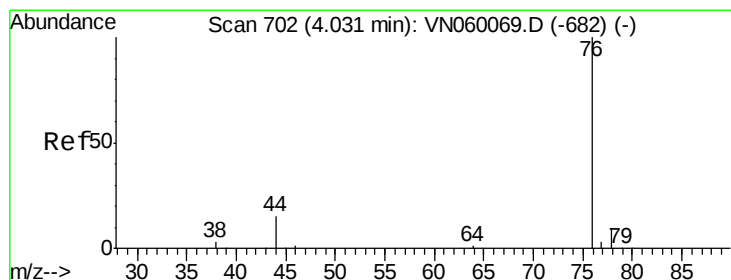
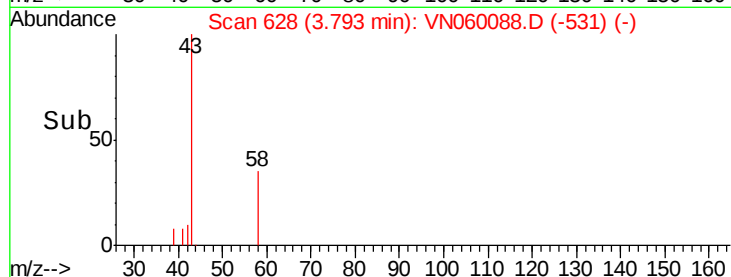
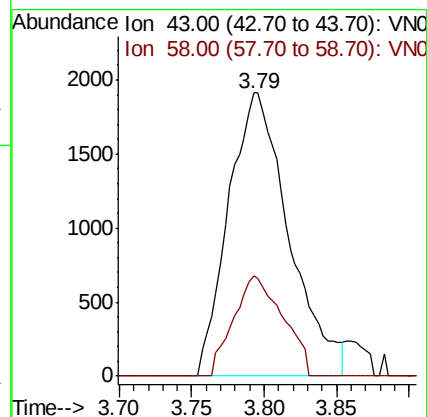
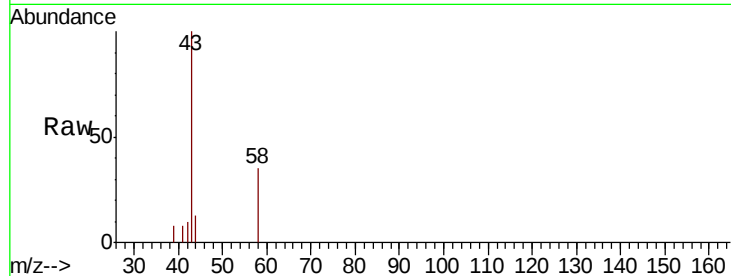




#16
Acetone
Concen: 5.025 ug/l
RT: 3.79 min Scan# 628
Delta R.T. 0.01 min
Lab File: VN060088.D
Acq: 13 Feb 2020 12:43

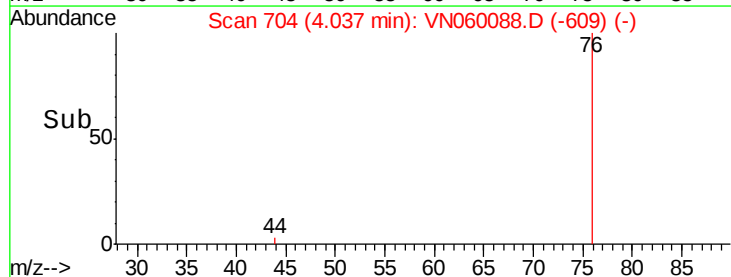
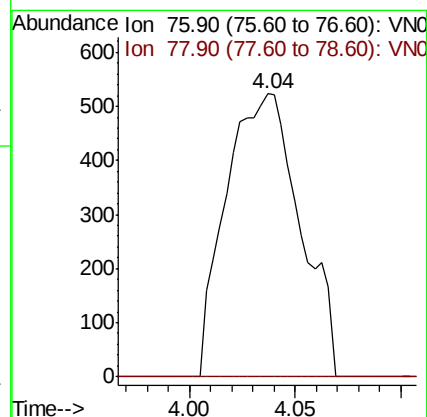
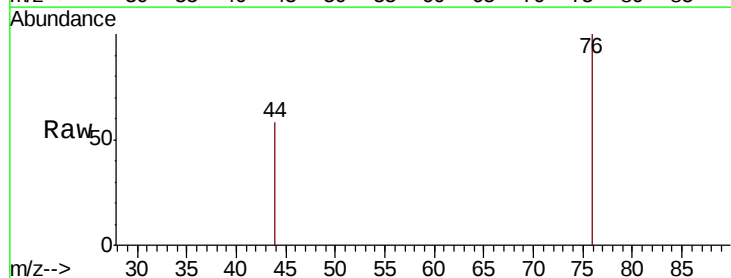
Instrument :
MSVOA_N
ClientSampleId :

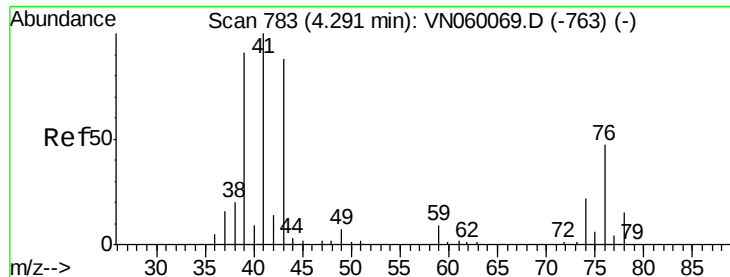
Tot Ion: 43 Resp: 5534
Ion Ratio Lower Upper
43 100
58 35.5 25.2 37.8



#17
Carbon Disulfide
Concen: 0.216 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.01 min
Lab File: VN060088.D
Acq: 13 Feb 2020 12:43

Tgt Ion: 76 Resp: 1276
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

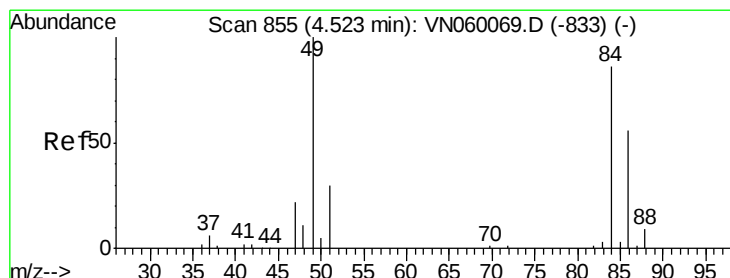
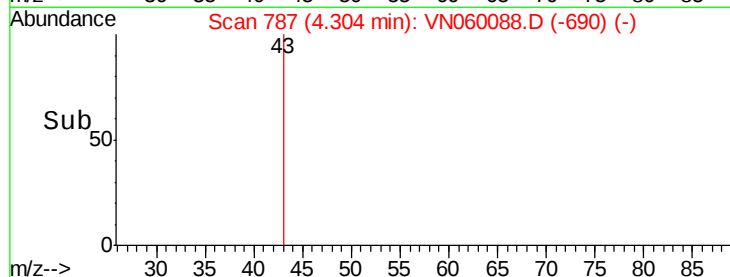
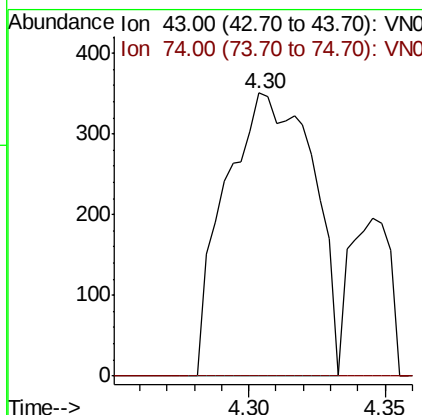
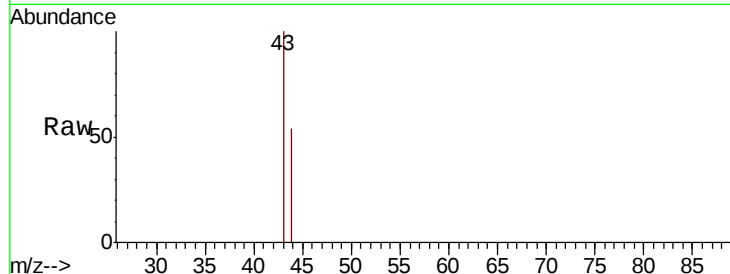




#18
Methyl Acetate
Concen: 0.377 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN060088.D
Acq: 13 Feb 2020 12:43

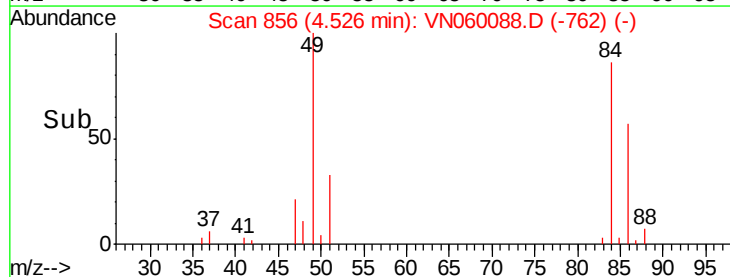
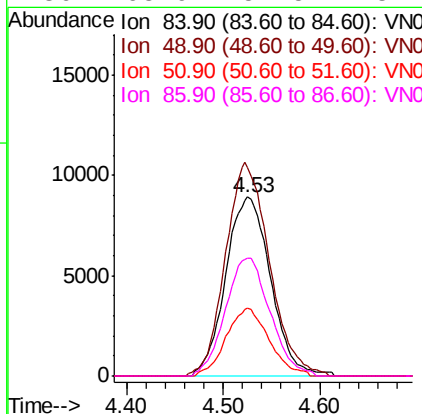
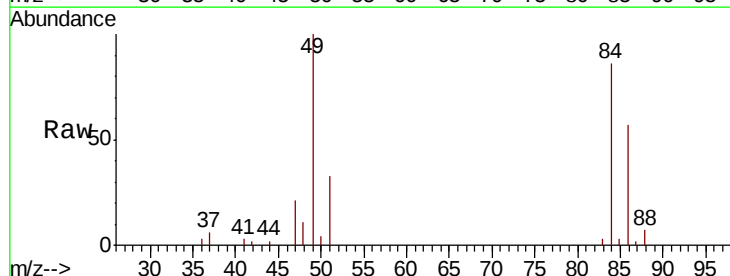
Instrument :
MSVOA_N
ClientSampleId :

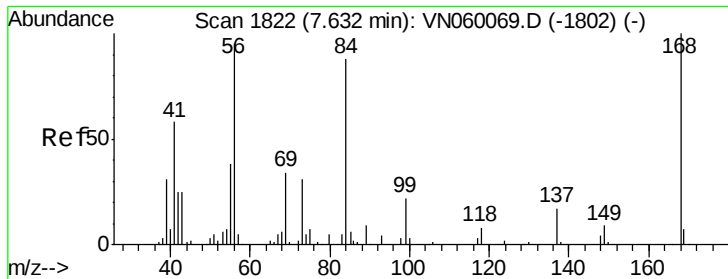
Tot Ion: 43 Resp: 779
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 13.089 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060088.D
Acq: 13 Feb 2020 12:43

Tgt Ion: 84 Resp: 28761
Ion Ratio Lower Upper
84 100
49 116.3 93.4 140.0
51 38.2 28.4 42.6
86 65.9 52.5 78.7

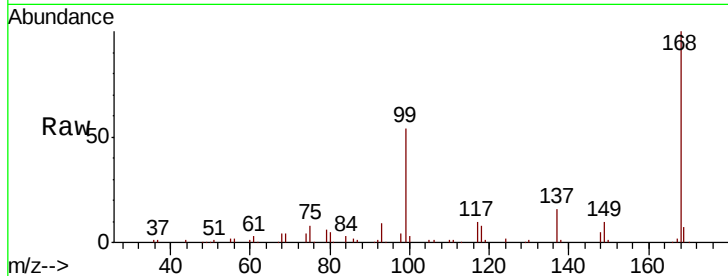




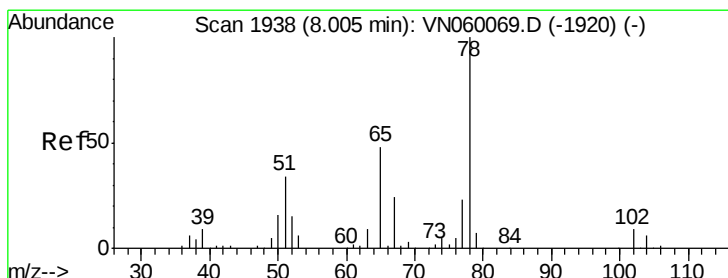
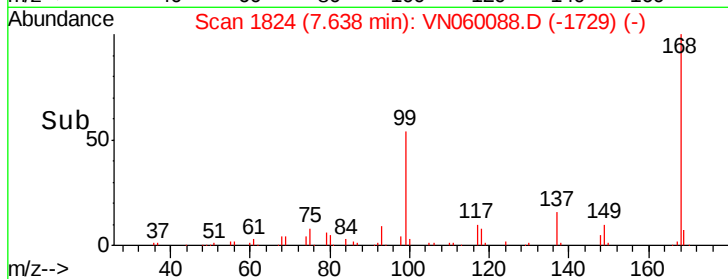
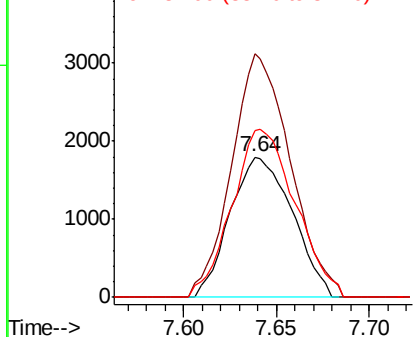
#31
Cyclohexane
Concen: 1.177 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060088.D
Acq: 13 Feb 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 4204
Ion Ratio Lower Upper
56 100
69 173.6 28.3 42.5#
84 119.4 72.6 108.8#

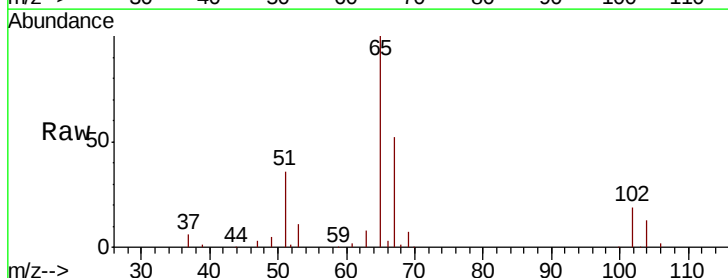


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

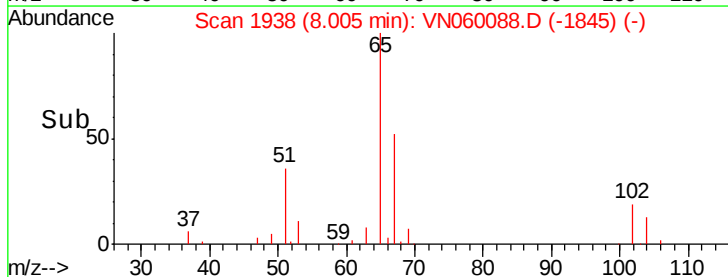
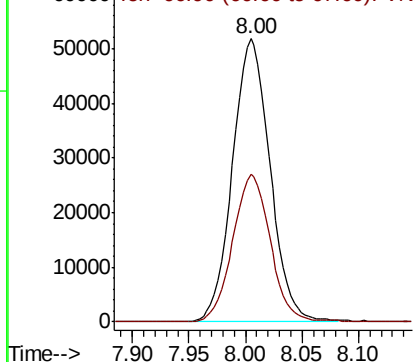


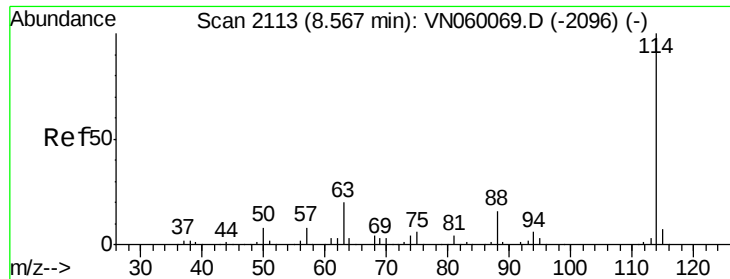
#33
1,2-Dichloroethane-d4
Concen: 47.503 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN060088.D
Acq: 13 Feb 2020 12:43

Tgt Ion: 65 Resp: 119943
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.0



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: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060088.D

Acq: 13 Feb 2020 12:43

Instrument :

MSVOA_N

ClientSampleId :

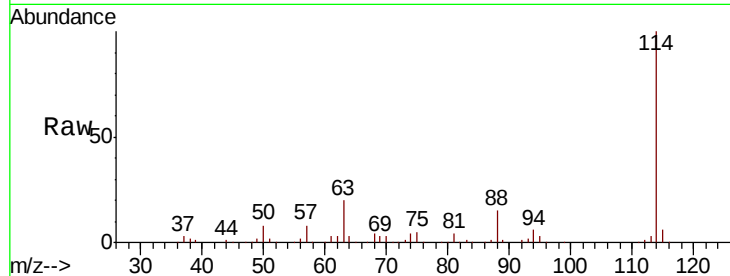
Tot Ion:114 Resp: 326672

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 15.3 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN

8.57

150000

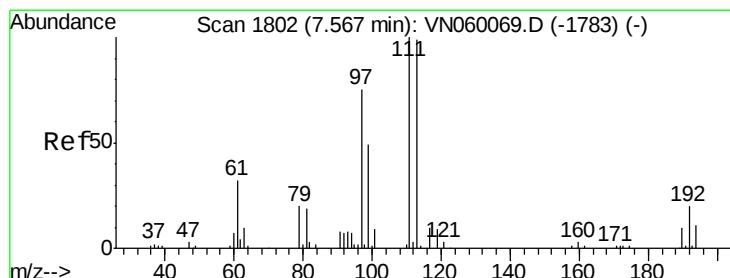
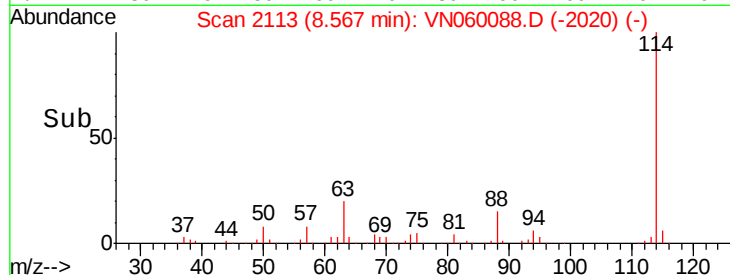
100000

50000

0

8.50 8.60 8.70

Time-->



#35

Dibromofluoromethane

Concen: 48.590 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN060088.D

Acq: 13 Feb 2020 12:43

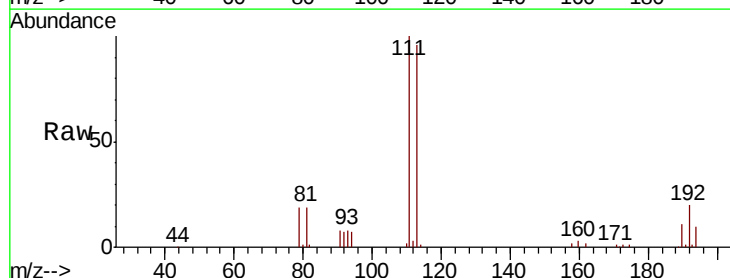
Tgt Ion:113 Resp: 97572

Ion Ratio Lower Upper

113 100

111 104.2 81.4 122.2

192 20.9 16.2 24.2



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

7.57

50000

40000

30000

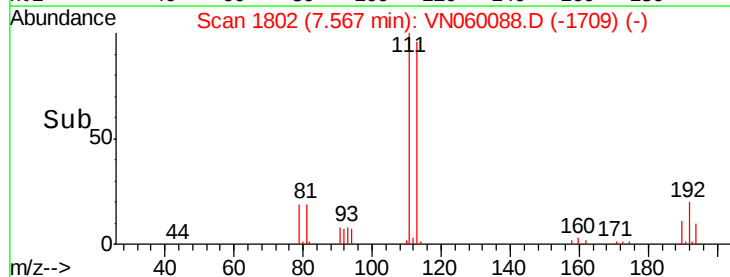
20000

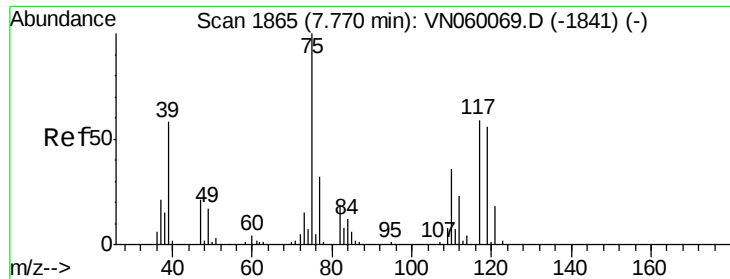
10000

0

7.45 7.50 7.55 7.60 7.65

Time-->

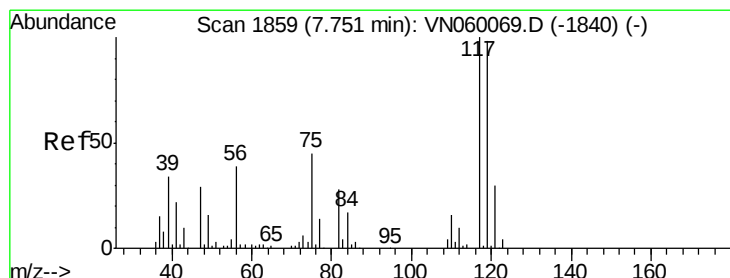
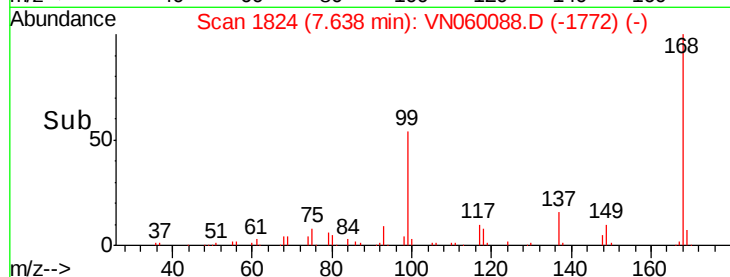
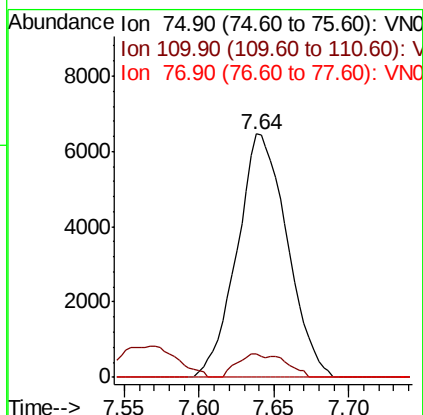
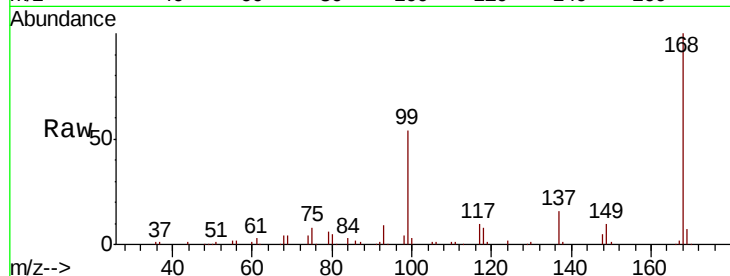




#36
 1,1-Dichloropropene
 Concen: 4.975 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060088.D
 Acq: 13 Feb 2020 12:43

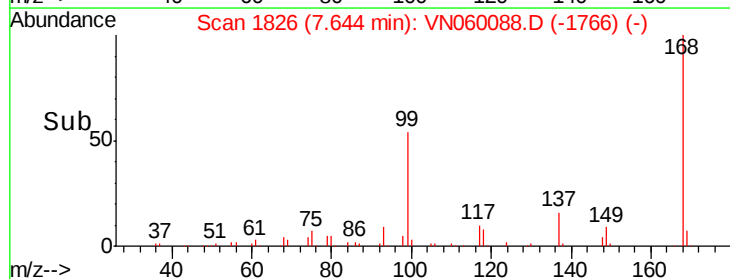
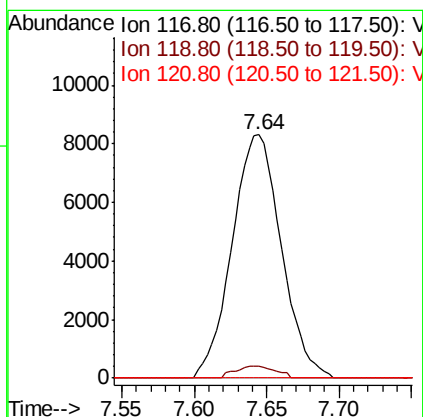
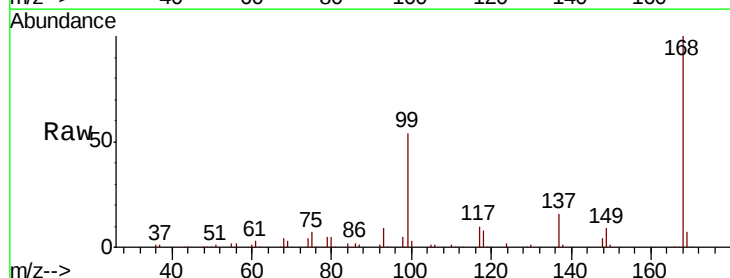
Instrument :
 MSVOA_N
 ClientSampled :

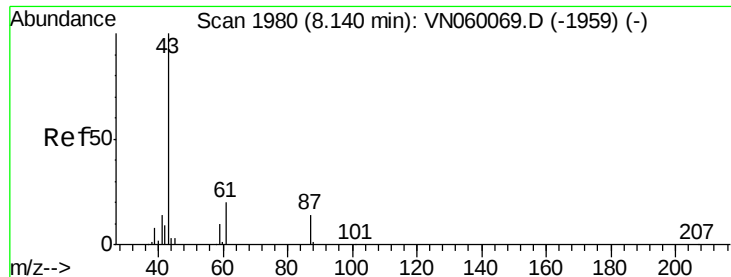
Tot Ion	75	Resp	15052
Ion Ratio	100	Lower	Upper
75	100		
110	5.4	18.1	54.3#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.957 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060088.D
 Acq: 13 Feb 2020 12:43

Tgt Ion	117	Resp	19574
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.7	78.2	117.4#
121	0.0	24.2	36.2#





#43

Isopropyl Acetate

Concen: 6.262 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060088.D

Acq: 13 Feb 2020 12:43

Instrument :

MSVOA_N

ClientSampleId :

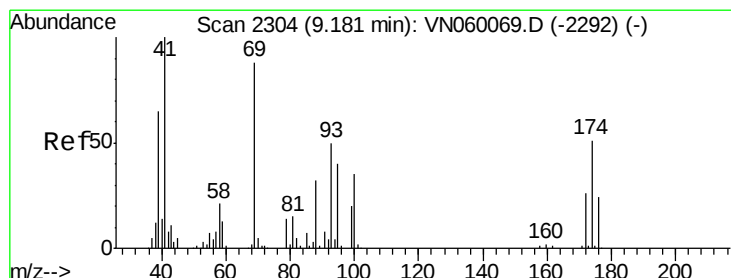
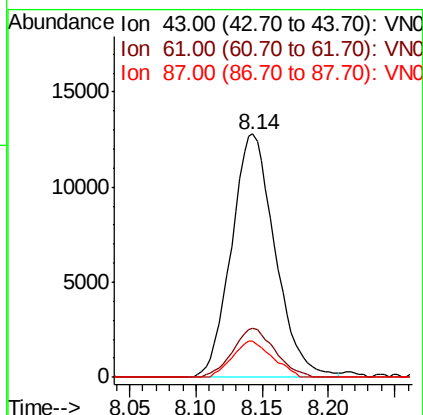
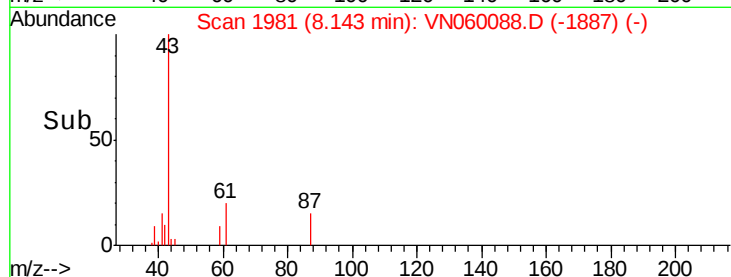
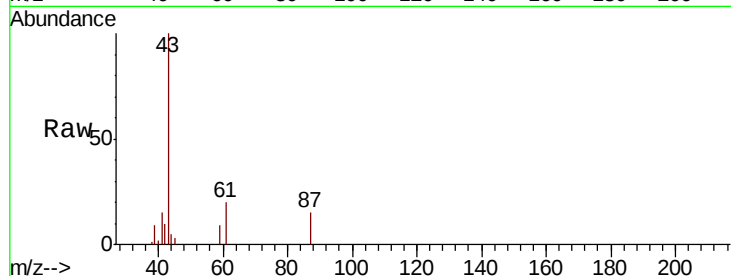
Tot Ion: 43 Resp: 29272

Ion Ratio Lower Upper

43 100

61 19.4 21.8 32.6#

87 13.5 11.4 17.2



#48

Methyl methacrylate

Concen: 0.714 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.02 min

Lab File: VN060088.D

Acq: 13 Feb 2020 12:43

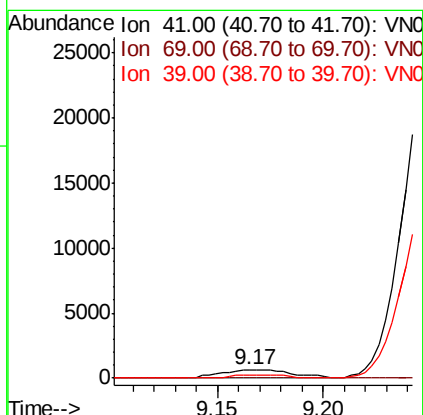
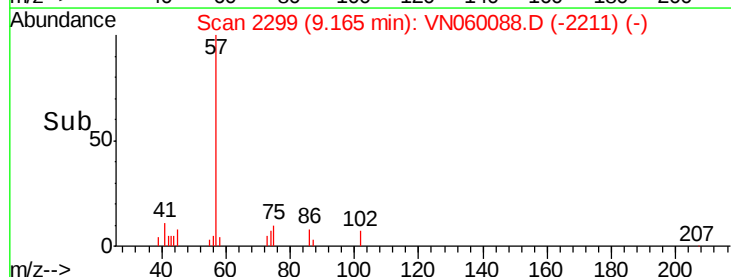
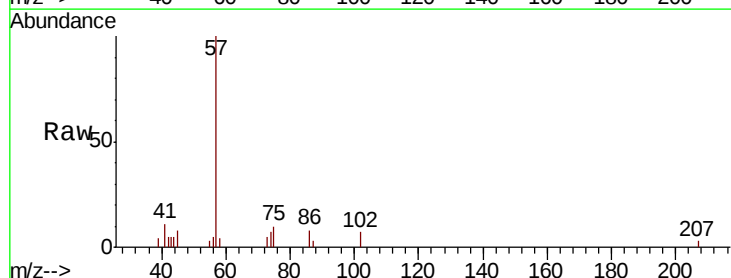
Tgt Ion: 41 Resp: 1497

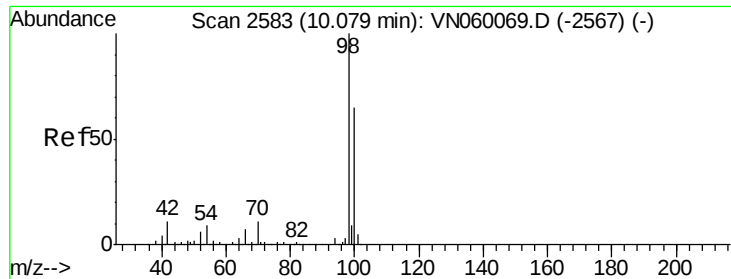
Ion Ratio Lower Upper

41 100

69 0.0 72.0 108.0#

39 0.0 54.1 81.1#





#50

Toluene-d8

Concen: 49.975 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060088.D

Acq: 13 Feb 2020 12:43

Instrument :

MSVOA_N

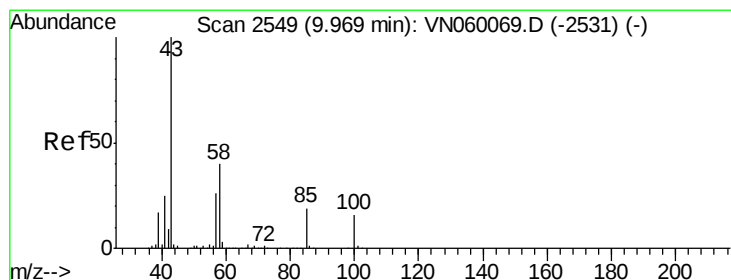
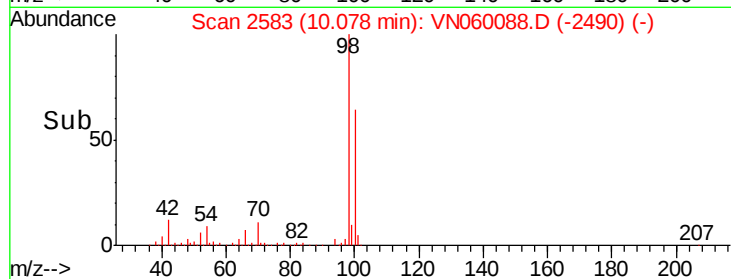
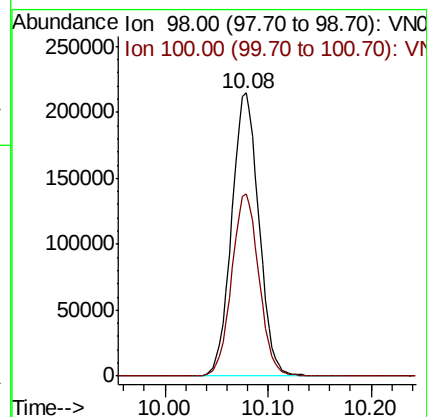
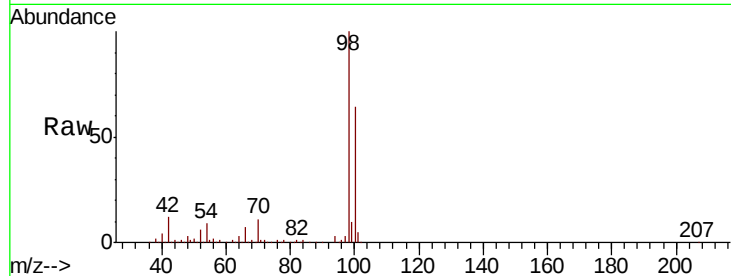
ClientSampleId :

Tot Ion: 98 Resp: 395185

Ion Ratio Lower Upper

98 100

100 64.5 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.884 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060088.D

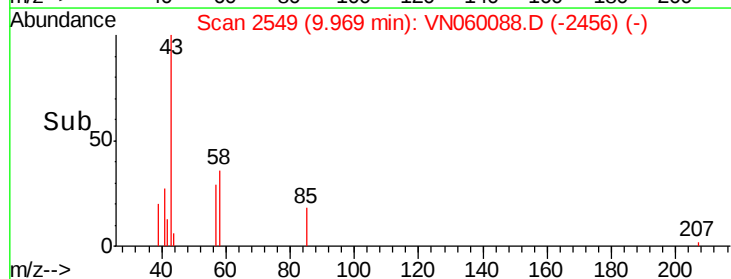
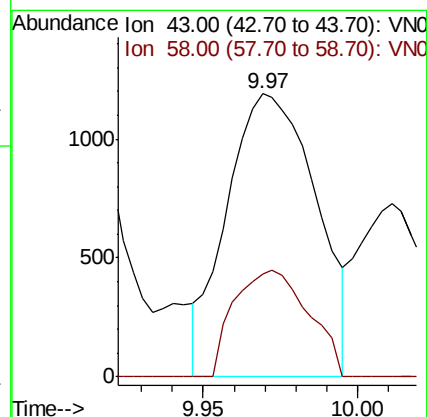
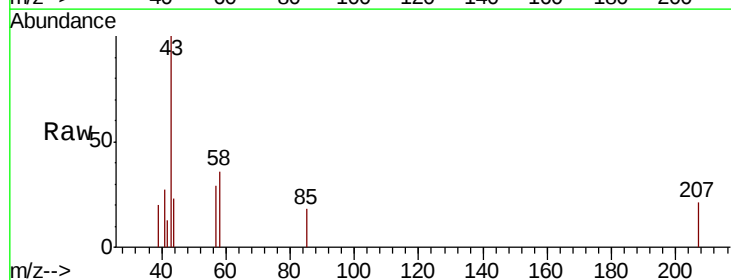
Acq: 13 Feb 2020 12:43

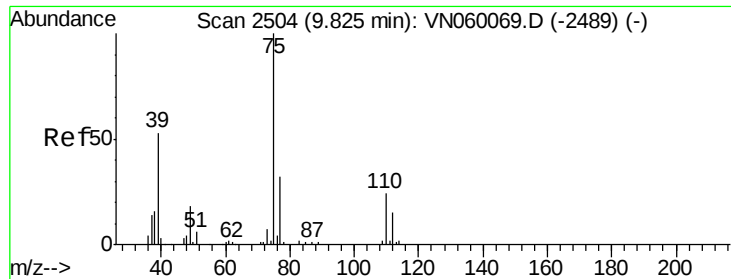
Tgt Ion: 43 Resp: 2391

Ion Ratio Lower Upper

43 100

58 31.4 31.8 47.8#

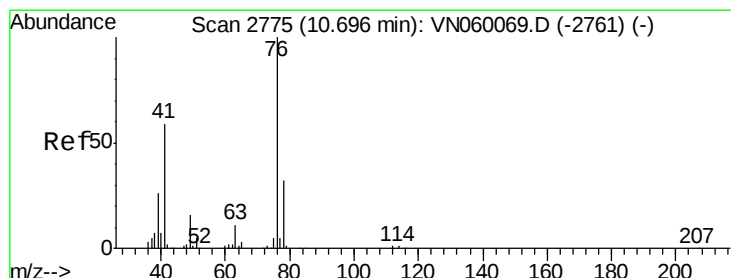
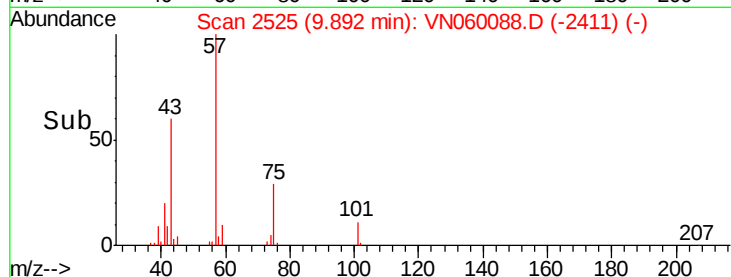
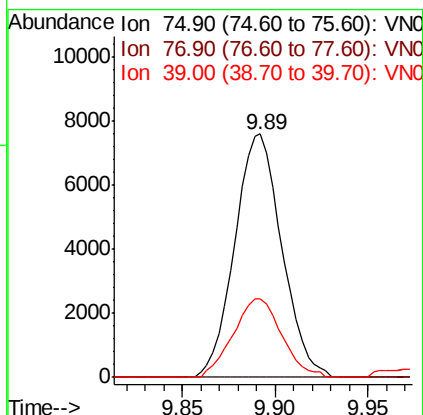
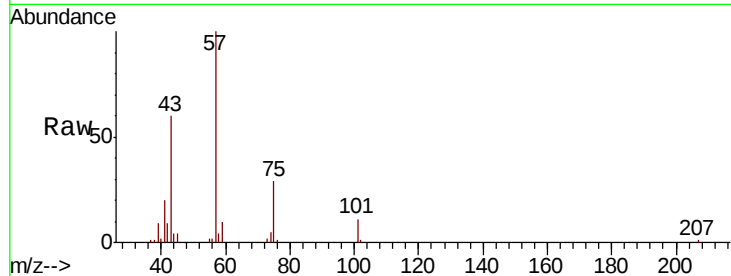




#54
 cis-1,3-Dichloropropene
 Concen: 3.519 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN060088.D
 Acq: 13 Feb 2020 12:43

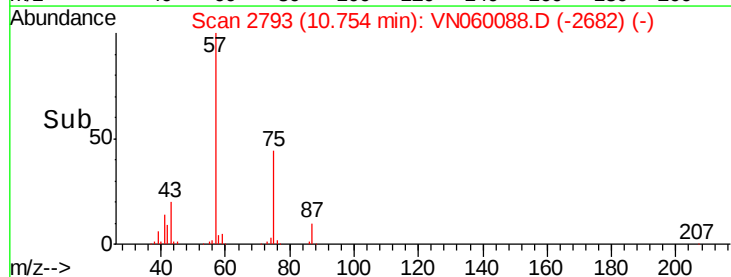
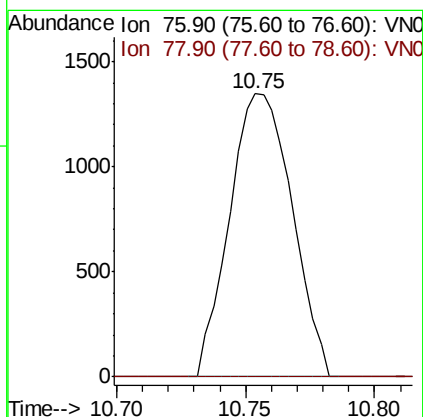
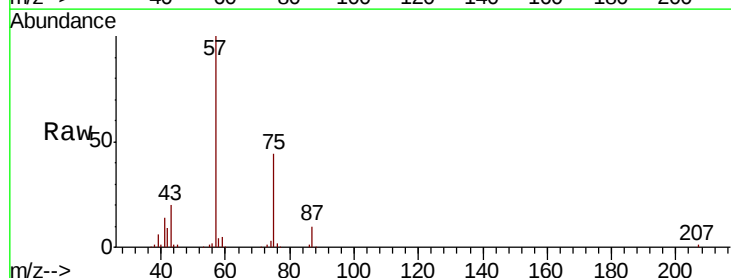
Instrument :
 MSVOA_N
 ClientSampled :

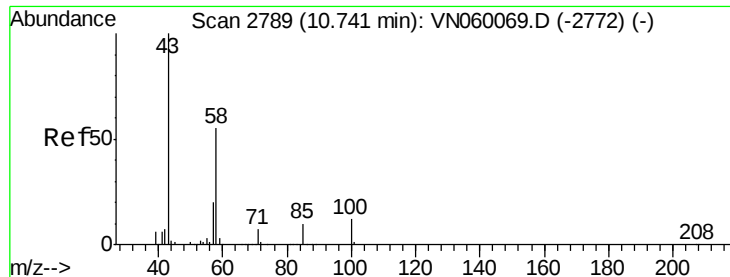
Tot Ion: 75 Resp: 13353
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#
 39 32.3 42.2 63.4#



#57
 1,3-Dichloropropane
 Concen: 0.616 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060088.D
 Acq: 13 Feb 2020 12:43

Tgt Ion: 76 Resp: 2282
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

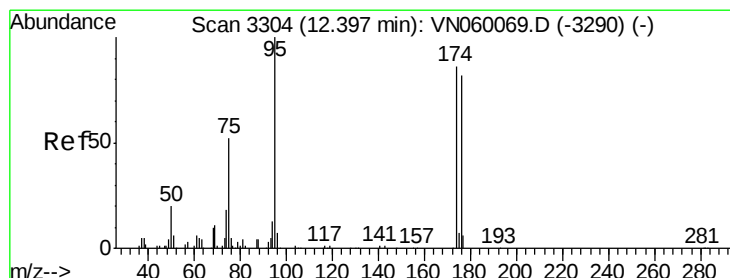
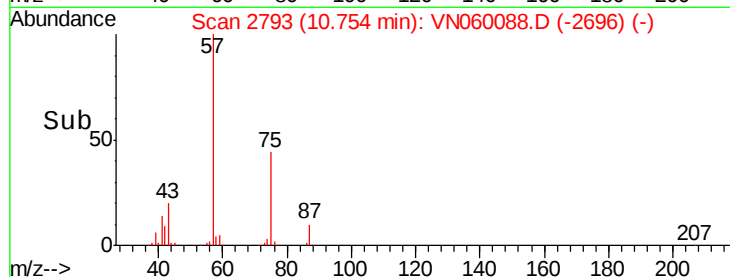
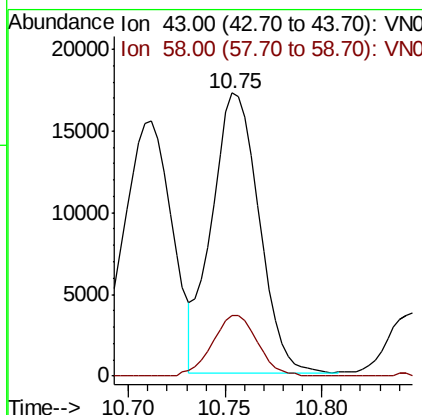
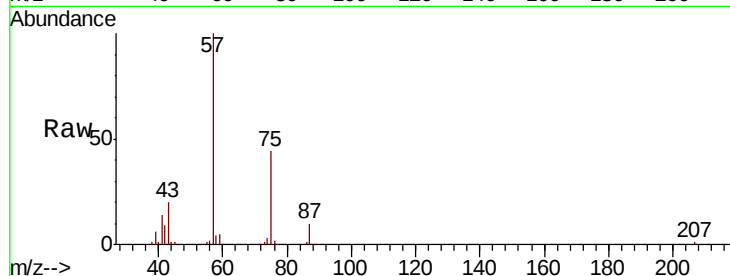




#59
2-Hexanone
Concen: 13.999 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060088.D
Acq: 13 Feb 2020 12:43

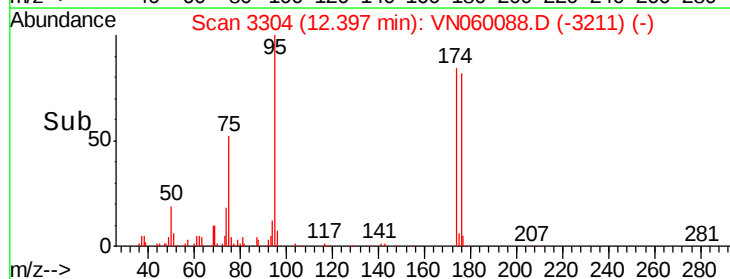
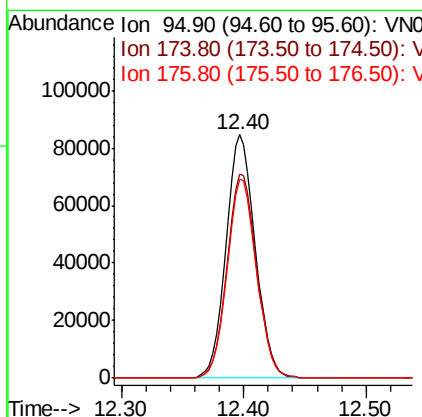
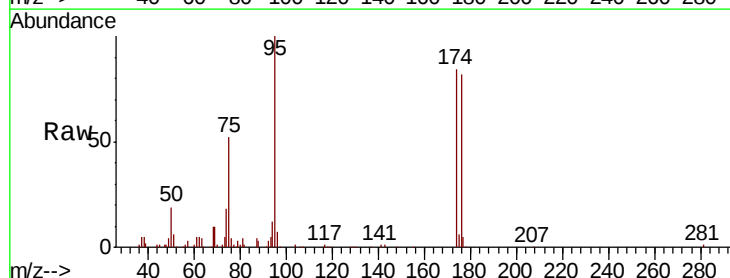
Instrument :
MSVOA_N
ClientSampleId :

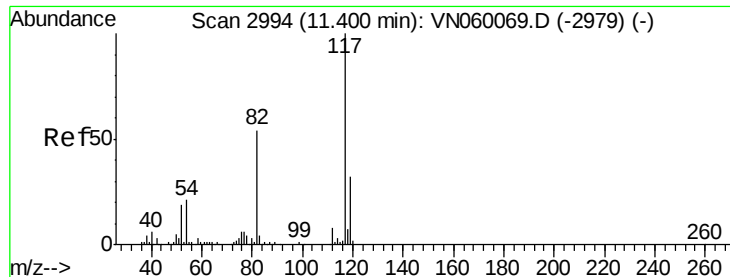
Tot Ion: 43 Resp: 29260
Ion Ratio Lower Upper
43 100
58 20.6 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 48.764 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060088.D
Acq: 13 Feb 2020 12:43

Tgt Ion: 95 Resp: 141693
Ion Ratio Lower Upper
95 100
174 85.1 0.0 169.8
176 82.4 0.0 164.8

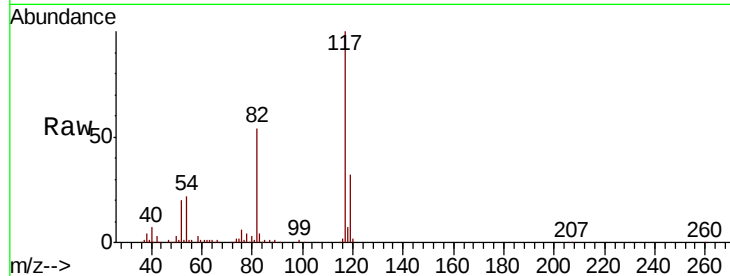




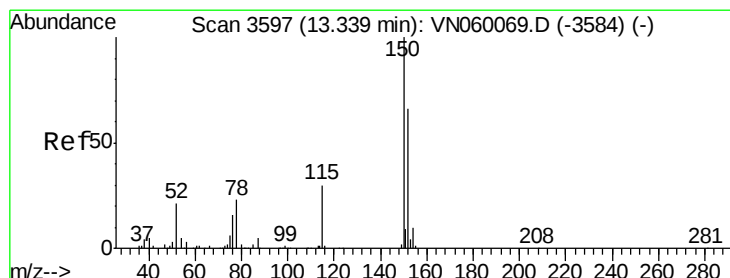
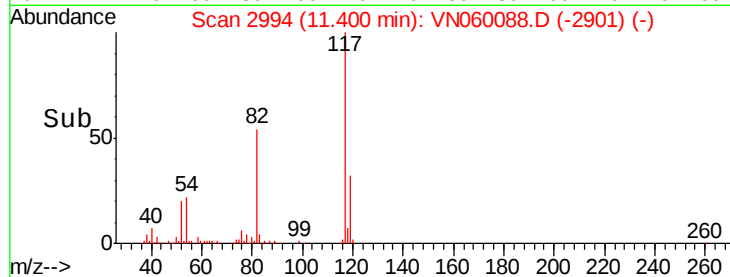
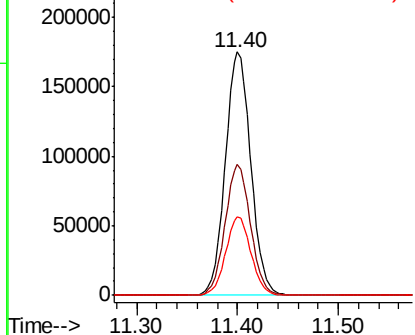
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060088.D
Acq: 13 Feb 2020 12:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 308787
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.0
119 32.2 25.8 38.6

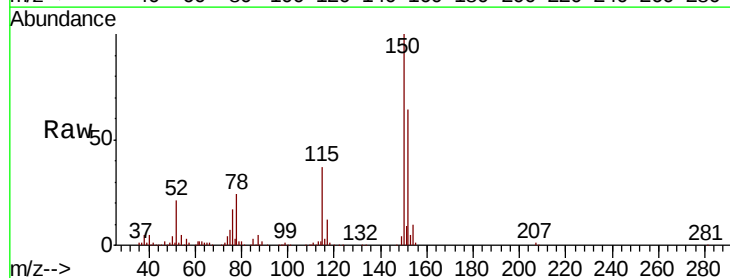


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

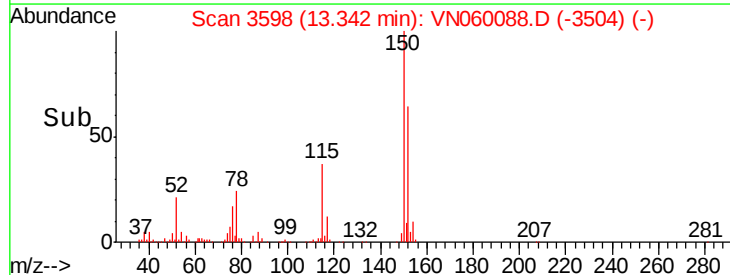
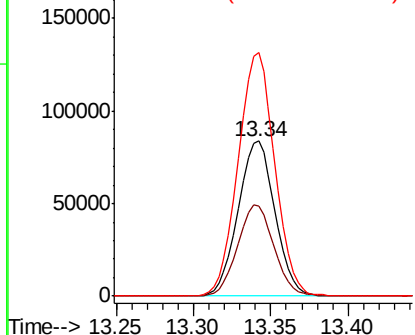


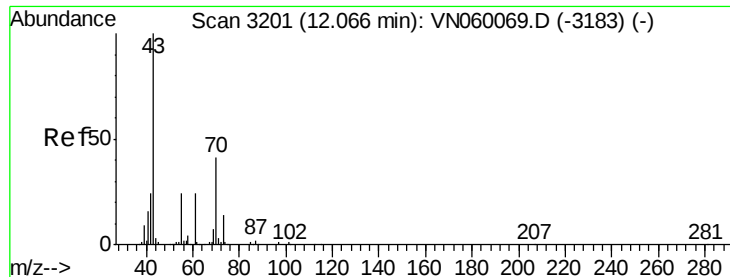
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN060088.D
Acq: 13 Feb 2020 12:43

Tgt Ion:152 Resp: 138845
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.8
150 156.6 0.0 342.4



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





#74

N-amvl acetate

Concen: 0.224 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN060088.D

Acq: 13 Feb 2020 12:43

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 839

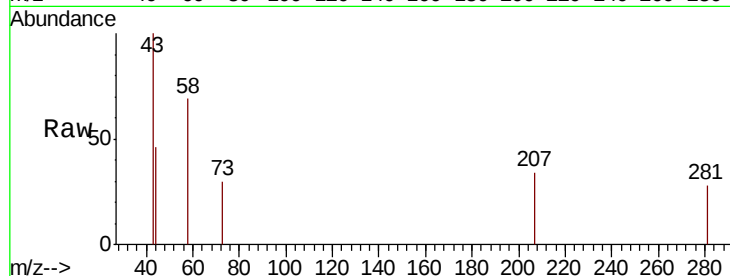
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 18.8 28.2#

61 0.0 19.2 28.8#

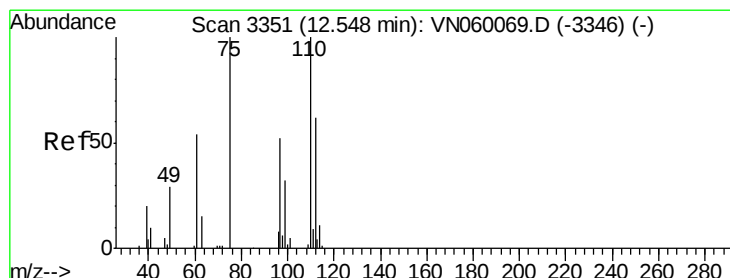
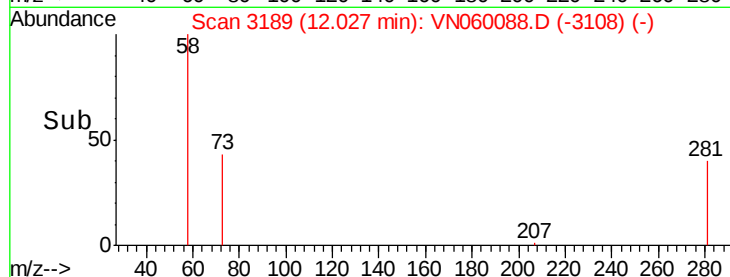
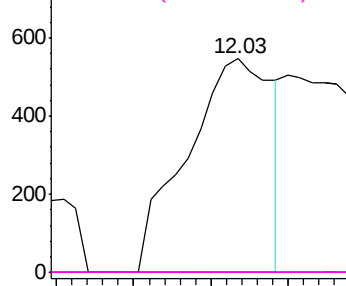


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 27.755 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060088.D

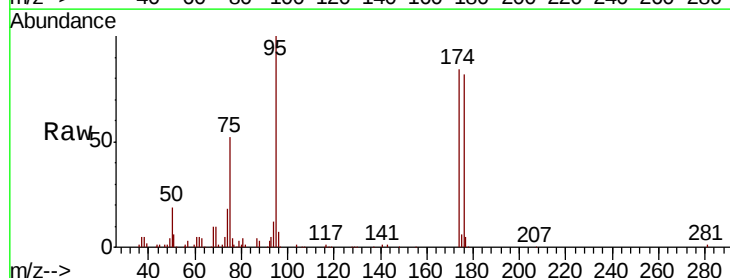
Acq: 13 Feb 2020 12:43

Tgt Ion: 75 Resp: 73729

Ion Ratio Lower Upper

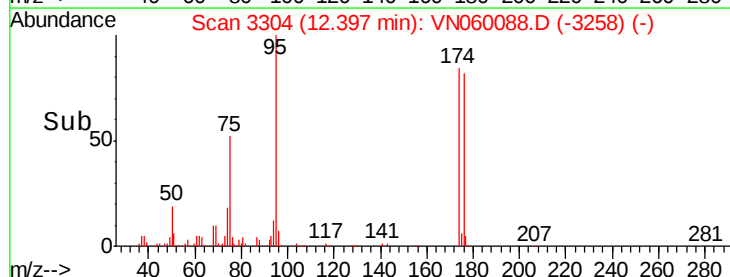
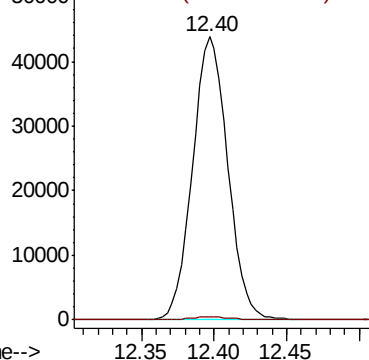
75 100

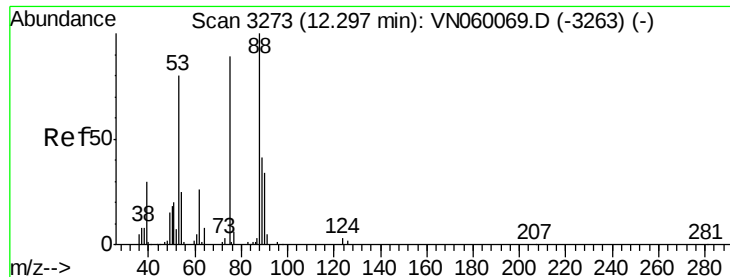
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

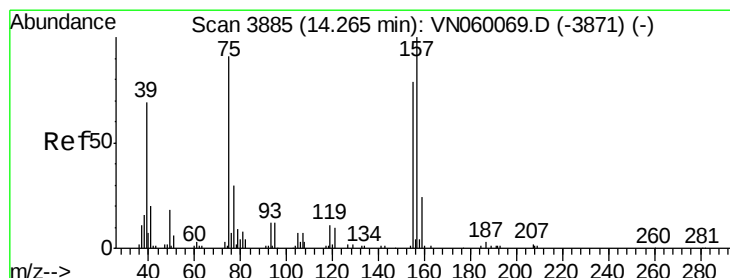
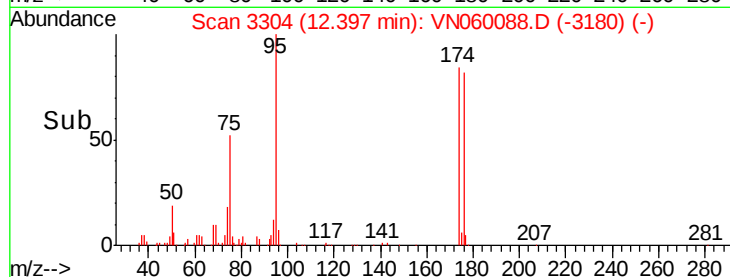
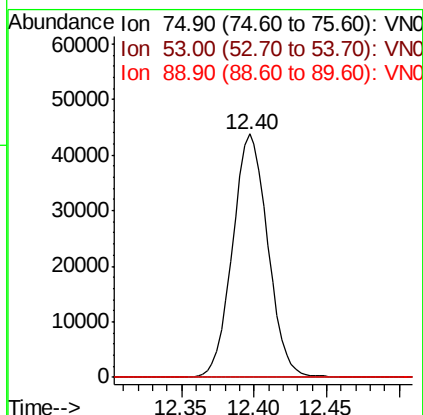
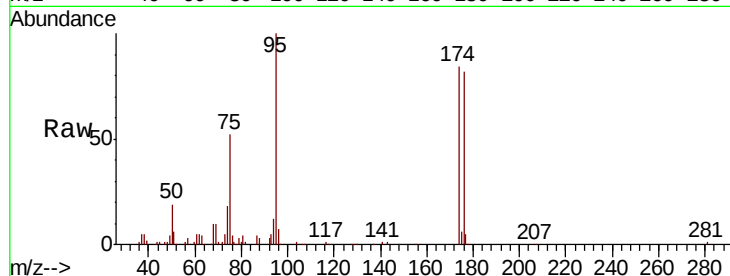




#81
trans-1,4-Dichloro-2-butene
Concen: 67.959 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060088.D
Acq: 13 Feb 2020 12:43

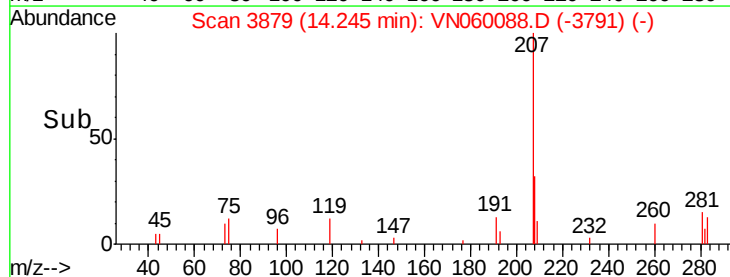
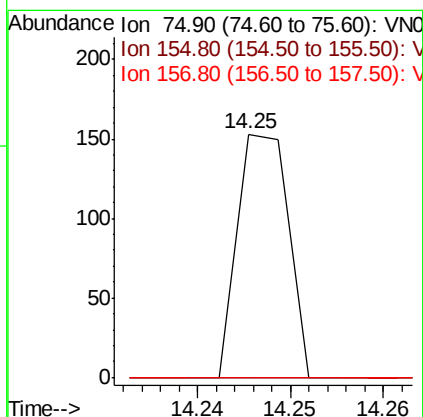
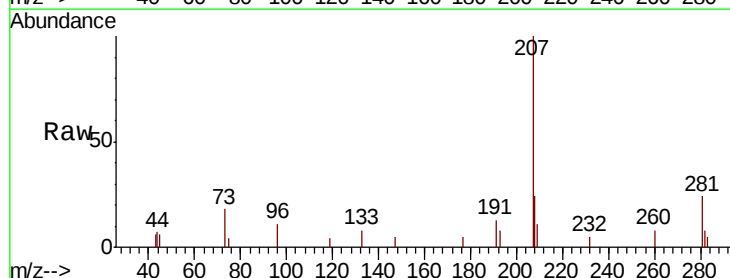
Instrument :
MSVOA_N
ClientSampled :

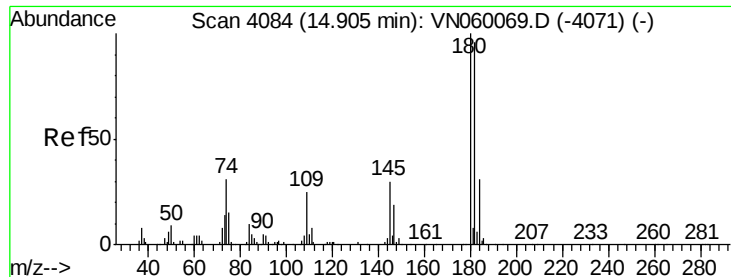
Tot Ion: 75 Resp: 73729
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.25 min Scan# 3879
Delta R.T. -0.02 min
Lab File: VN060088.D
Acq: 13 Feb 2020 12:43

Tgt Ion: 75 Resp: 58
Ion Ratio Lower Upper
75 100
155 0.0 43.0 129.0#
157 0.0 54.9 164.5#

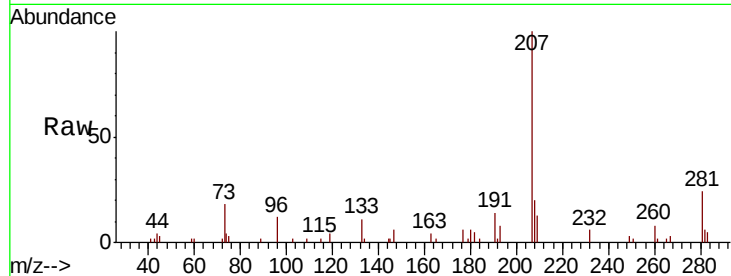




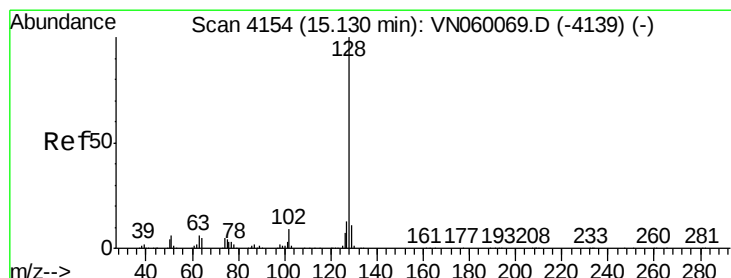
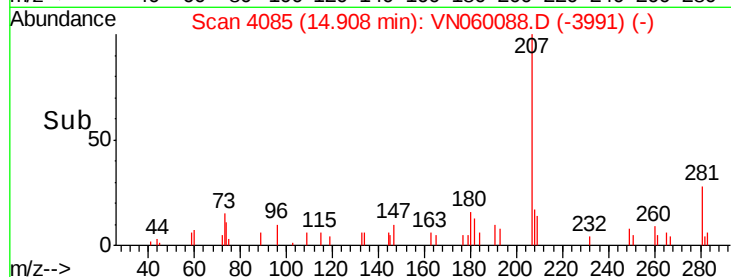
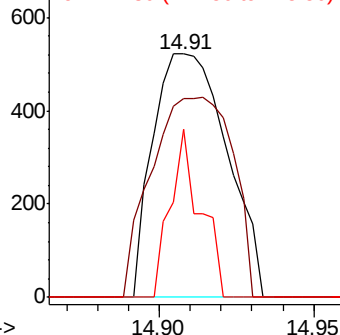
#93
 1,2,4-Trichlorobenzene
 Concen: 0.332 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060088.D
 Acq: 13 Feb 2020 12:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.5	47.9	143.8
145	27.8	15.2	45.5

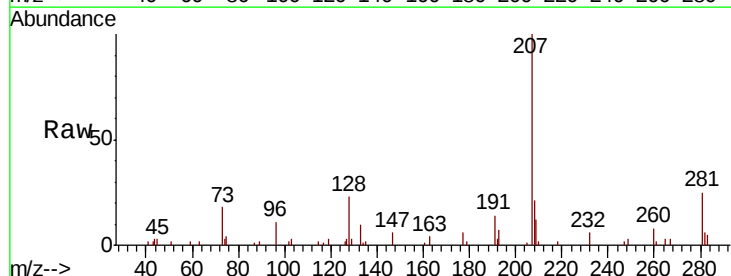


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

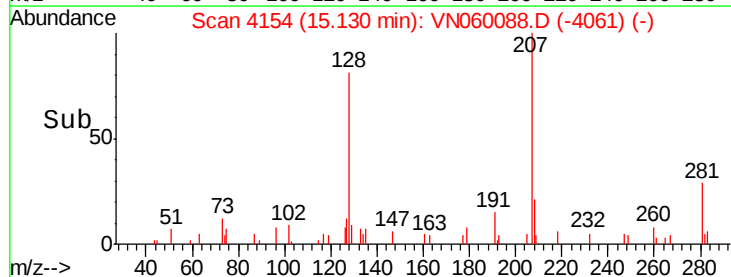
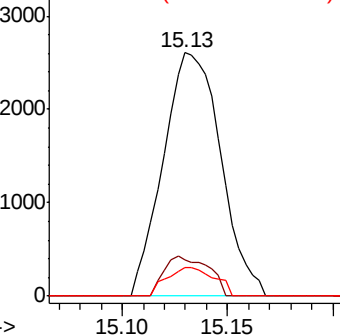


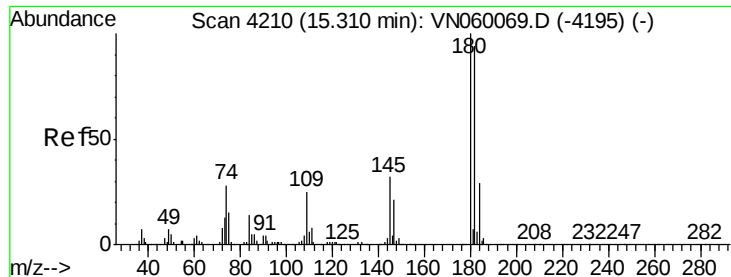
#95
 Naphthalene
 Concen: 0.698 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN060088.D
 Acq: 13 Feb 2020 12:43

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	9.7	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

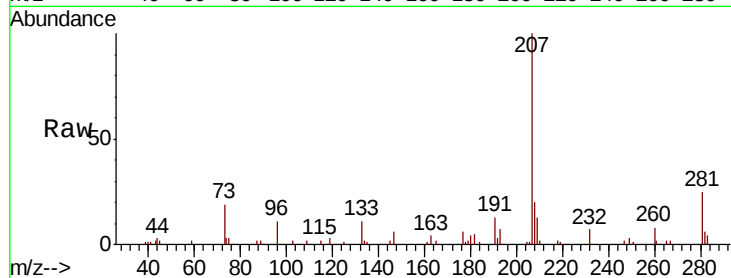




#96
 1,2,3-Trichlorobenzene
 Concen: 0.367 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN060088.D
 Acq: 13 Feb 2020 12:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.7	47.5	142.5
145	29.5	16.1	48.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

