

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060153.D
 Acq On : 19 Feb 2020 14:09
 Operator : JC/MD
 Sample : L1362-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 20 01:17:32 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	185908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	296221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	275230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124919	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	108192	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
35) Dibromofluoromethane	7.57	113	89168	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	10.08	98	356102	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.40	95	128098	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	

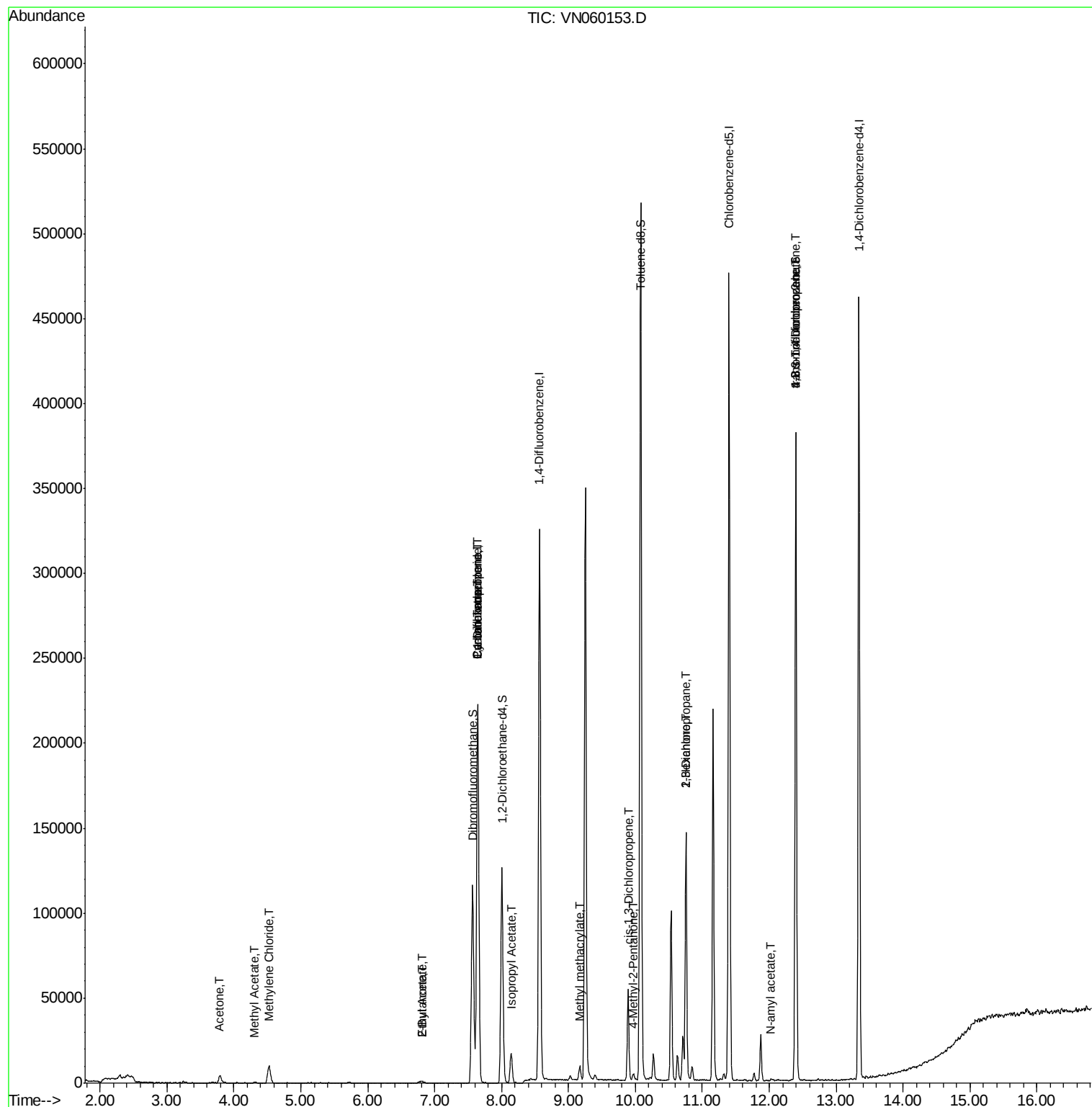
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	7801	7.906	ug/l	99
18) Methyl Acetate	4.31	43	711	0.384	ug/l #	50
20) Methylene Chloride	4.53	84	8187	4.159	ug/l	97
25) 2-Butanone	6.82	43	1444	1.164	ug/l #	46
31) Cyclohexane	7.64	56	3836	1.199	ug/l #	14
36) 1,1-Dichloropropene	7.64	75	13597	4.956	ug/l #	49
37) Ethyl Acetate	6.82	43	1444	0.582	ug/l #	68
38) Carbon Tetrachloride	7.64	117	16912	5.676	ug/l #	15
43) Isopropyl Acetate	8.14	43	21693	5.118	ug/l #	87
48) Methyl methacrylate	9.16	41	1417	0.745	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	2369	0.966	ug/l	95
54) cis-1,3-Dichloropropene	9.89	75	9618	2.795	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	1409	0.419	ug/l #	43
59) 2-Hexanone	10.75	43	21365	11.273	ug/l #	51
74) N-amyl acetate	12.03	43	1094	0.325	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	66525	27.835	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	66525	68.154	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.28	75	94	Below Cal	#	1

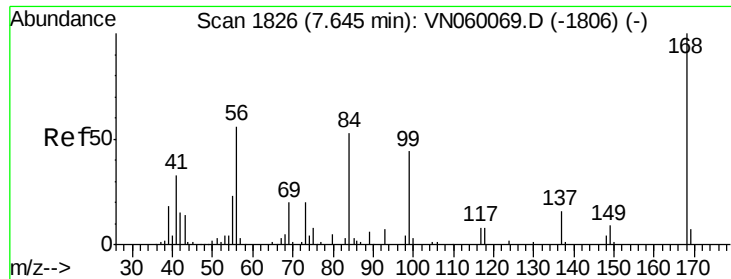
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060153.D

Acq: 19 Feb 2020 14:09

Instrument :

MSVOA_N

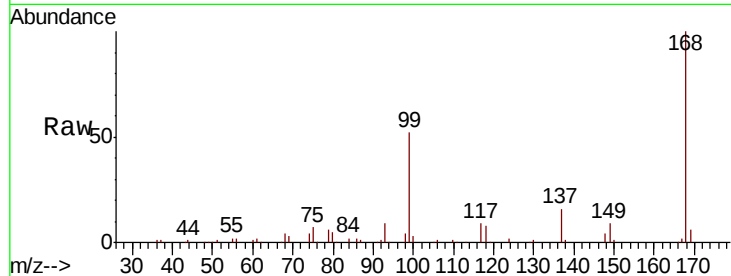
ClientSampleId :

Tot Ion:168 Resp: 185908

Ion Ratio Lower Upper

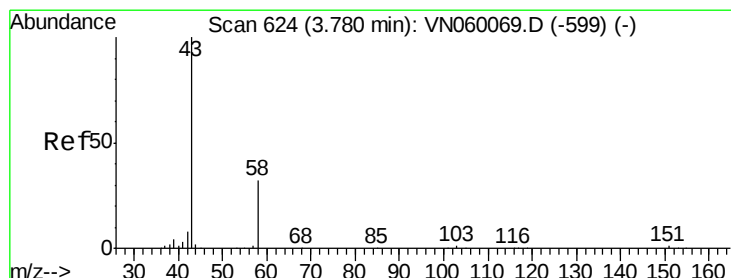
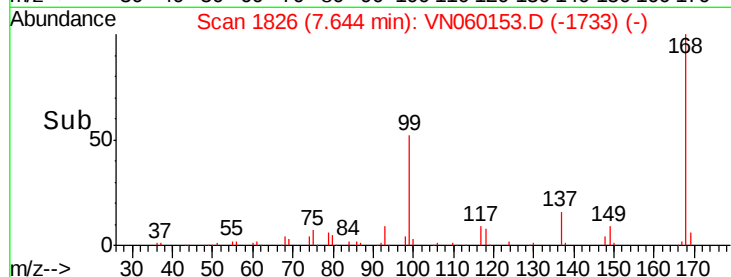
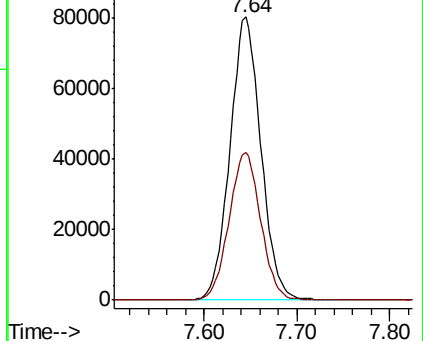
168 100

99 52.0 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): VN060069.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060069.D (-1806) (-)



#16

Acetone

Concen: 7.906 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060153.D

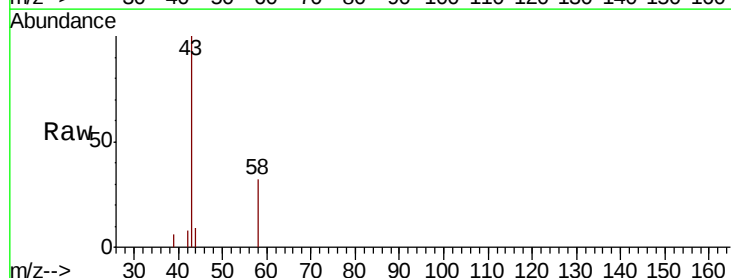
Acq: 19 Feb 2020 14:09

Tgt Ion: 43 Resp: 7801

Ion Ratio Lower Upper

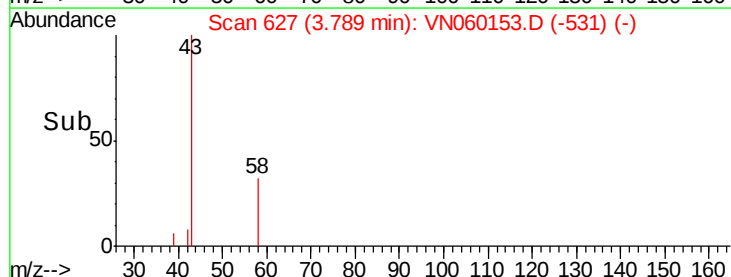
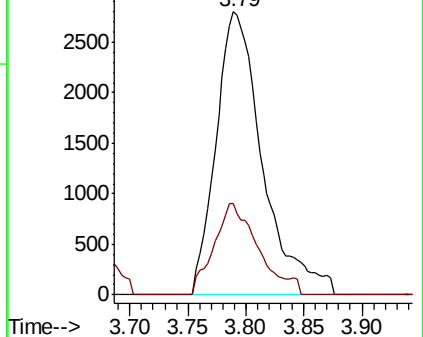
43 100

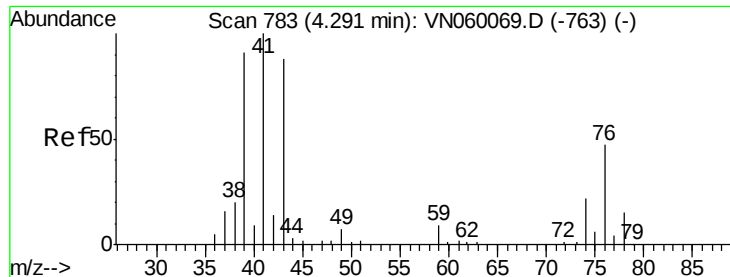
58 32.3 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-599) (-)

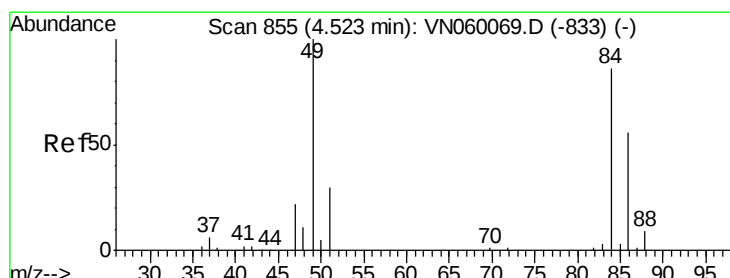
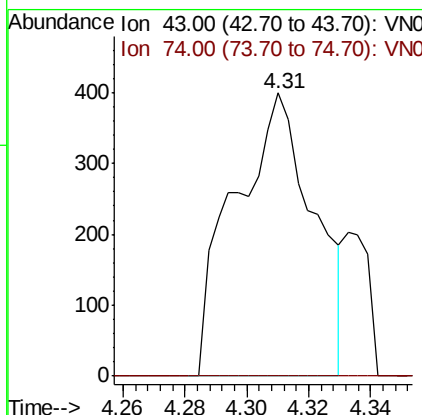
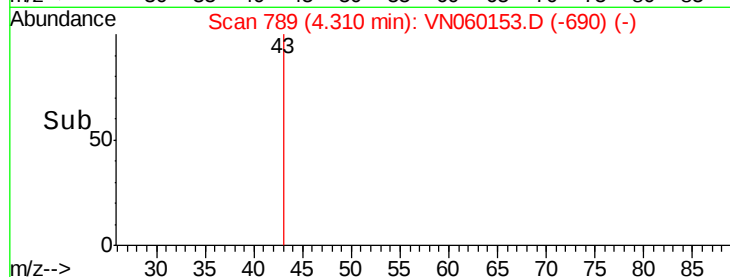
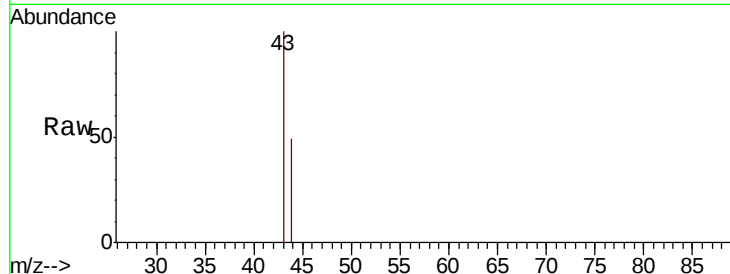




#18
Methyl Acetate
Concen: 0.384 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.02 min
Lab File: VN060153.D
Acq: 19 Feb 2020 14:09

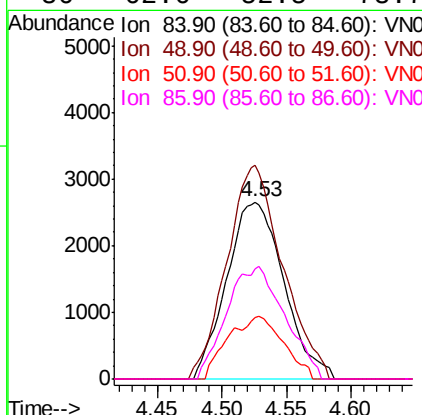
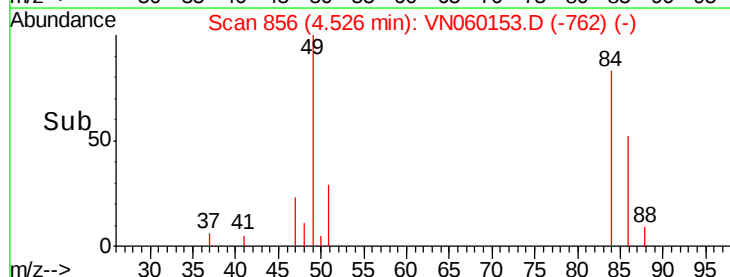
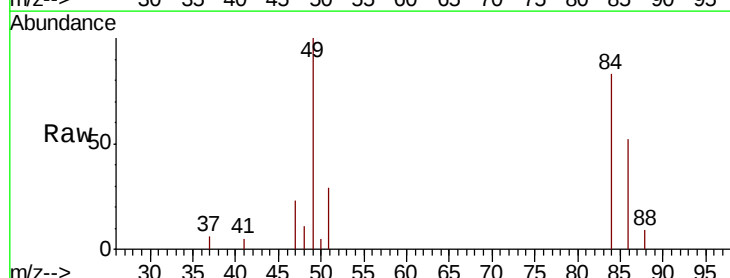
Instrument :
MSVOA_N
ClientSampled :

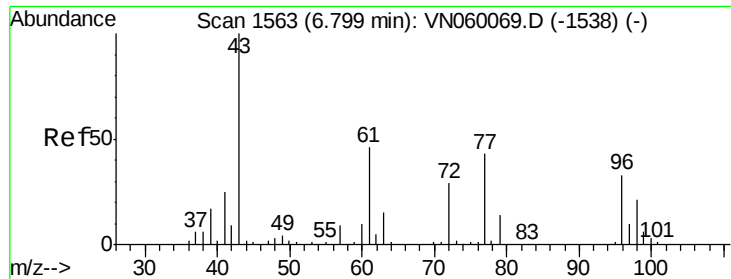
Tot Ion: 43 Resp: 711
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 4.159 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060153.D
Acq: 19 Feb 2020 14:09

Tgt Ion: 84 Resp: 8187
Ion Ratio Lower Upper
84 100
49 120.9 93.4 140.0
51 34.8 28.4 42.6
86 62.6 52.5 78.7

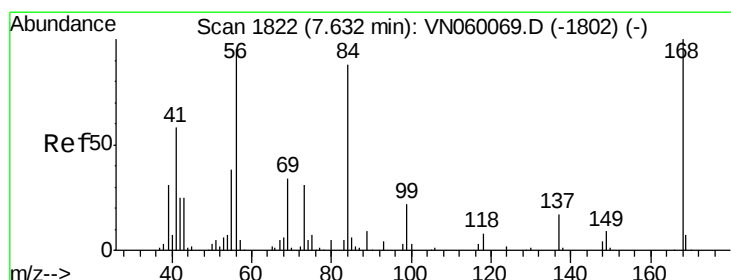
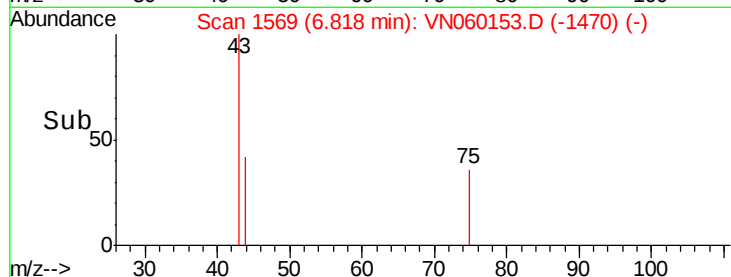
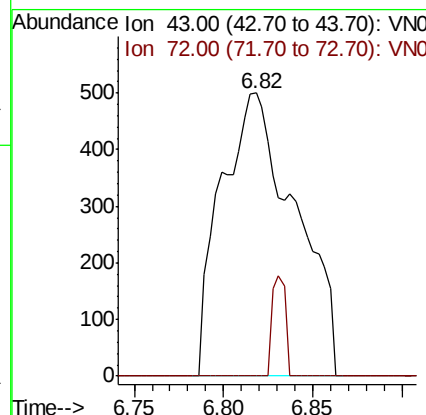
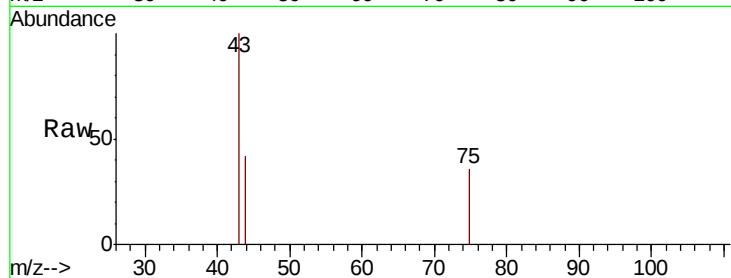




#25
2-Butanone
Concen: 1.164 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN060153.D
Acq: 19 Feb 2020 14:09

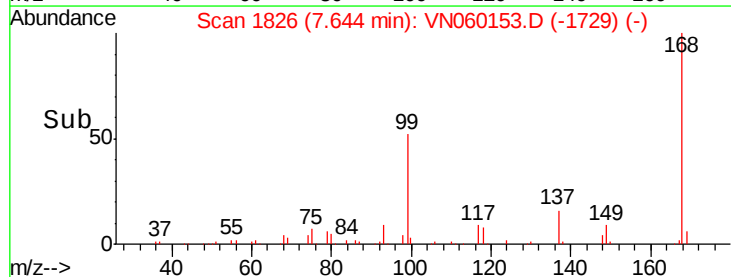
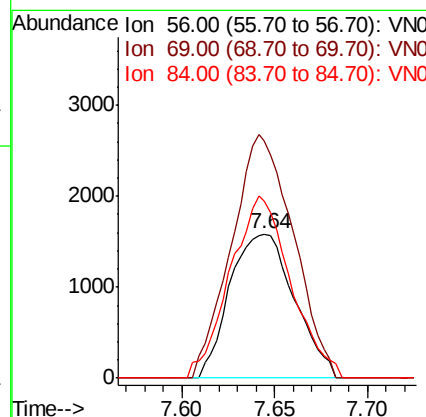
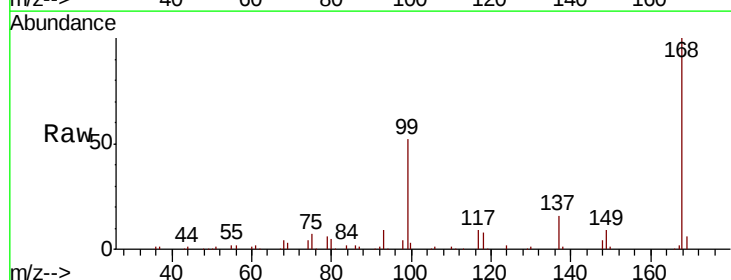
Instrument :
MSVOA_N
ClientSampled :

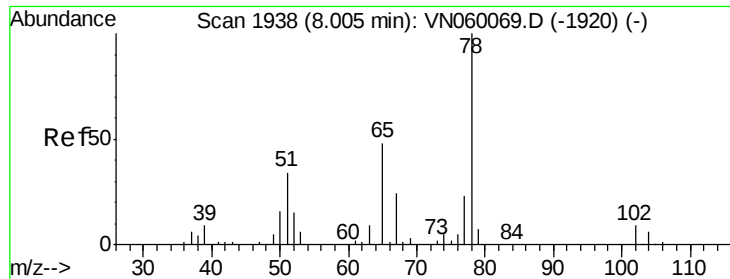
Tot Ion: 43 Resp: 1444
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#



#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060153.D
Acq: 19 Feb 2020 14:09

Tgt Ion: 56 Resp: 3836
Ion Ratio Lower Upper
56 100
69 164.5 28.3 42.5#
84 122.7 72.6 108.8#

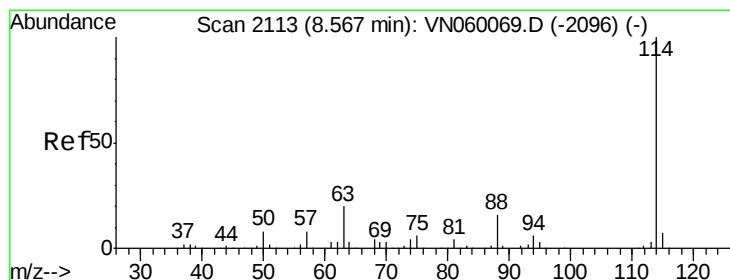
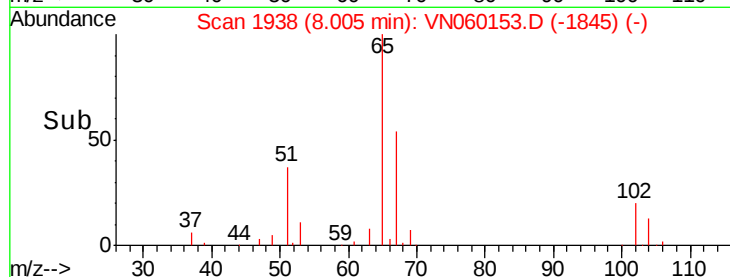
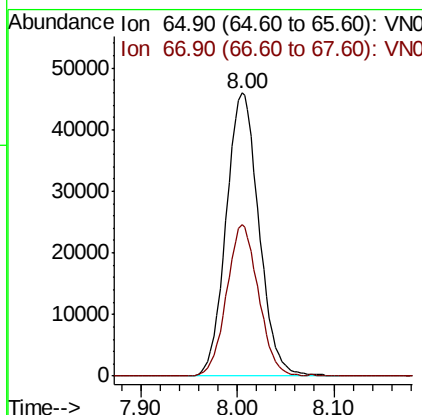
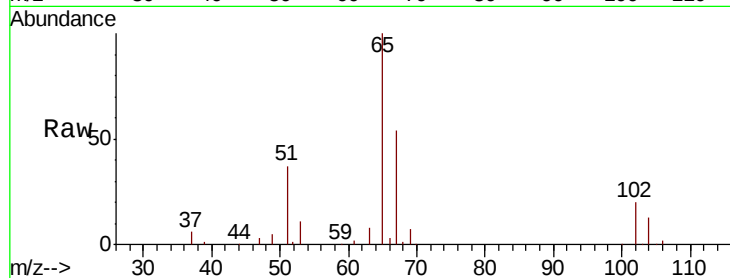




#33
 1,2-Dichloroethane-d4
 Concen: 47.826 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060153.D
 Acq: 19 Feb 2020 14:09

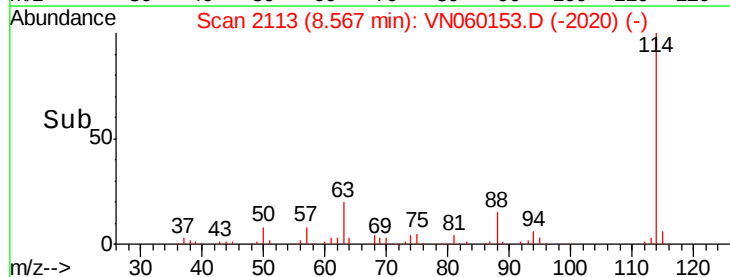
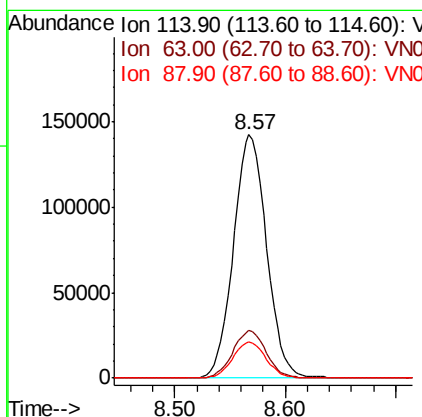
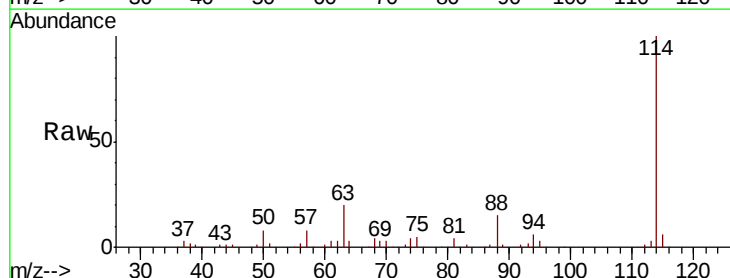
Instrument :
 MSVOA_N
 ClientSampleId :

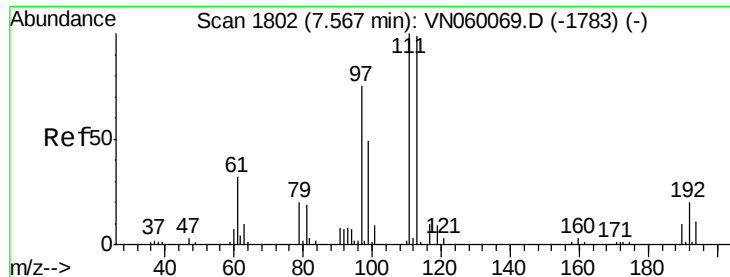
Tot Ion: 65 Resp: 108192
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060153.D
 Acq: 19 Feb 2020 14:09

Tgt Ion: 114 Resp: 296221
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 14.8 0.0 31.6

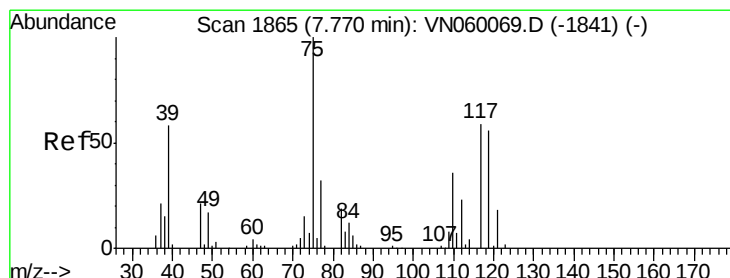
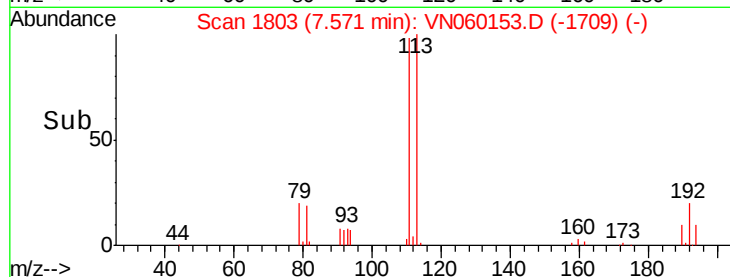
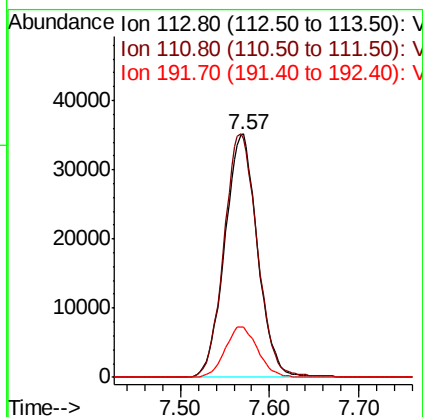
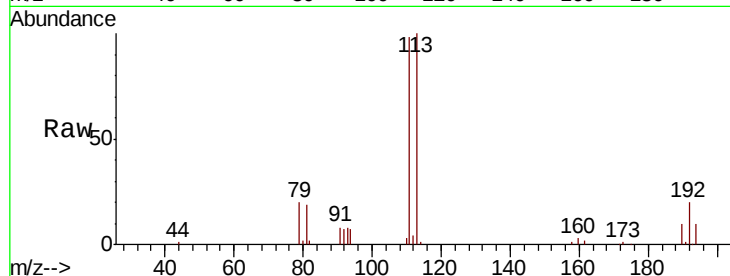




#35
 Dibromofluoromethane
 Concen: 48.970 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN060153.D
 Acq: 19 Feb 2020 14:09

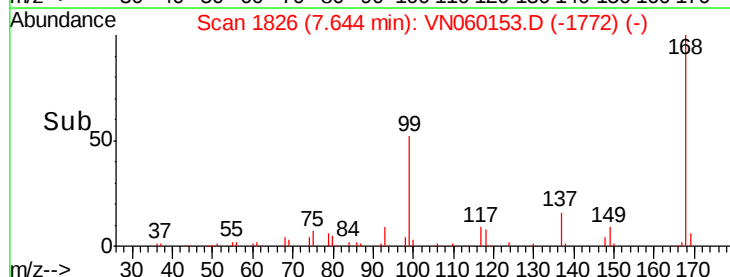
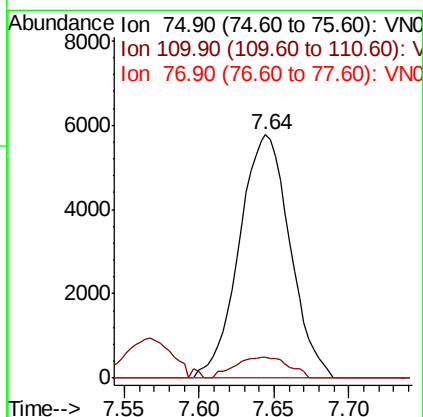
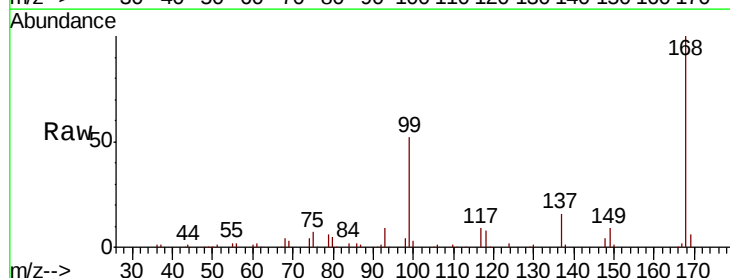
Instrument :
 MSVOA_N
 ClientSampleId :

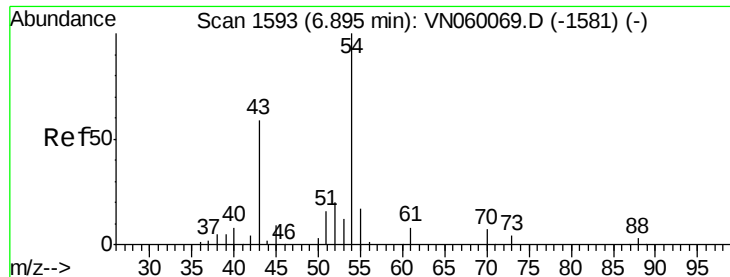
Tot Ion:113 Resp: 89168
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.2
 192 20.6 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.956 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060153.D
 Acq: 19 Feb 2020 14:09

Tgt Ion: 75 Resp: 13597
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.1 54.3#
 77 0.0 25.1 37.7#

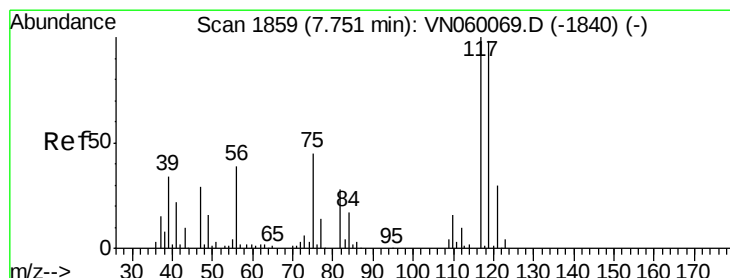
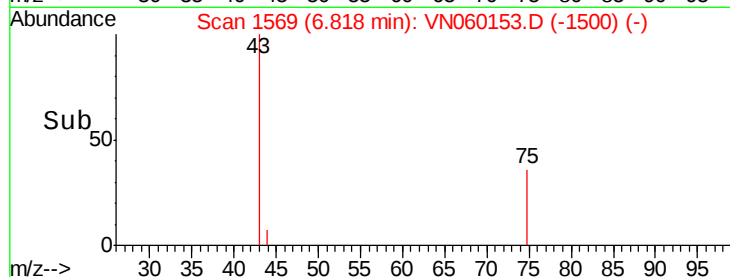
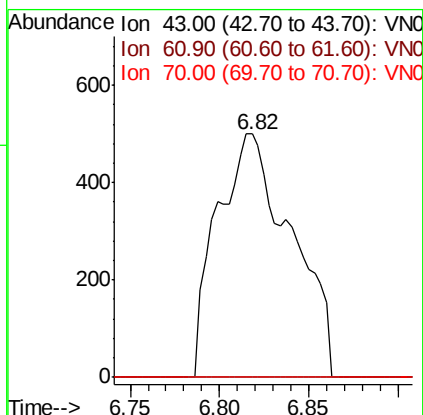
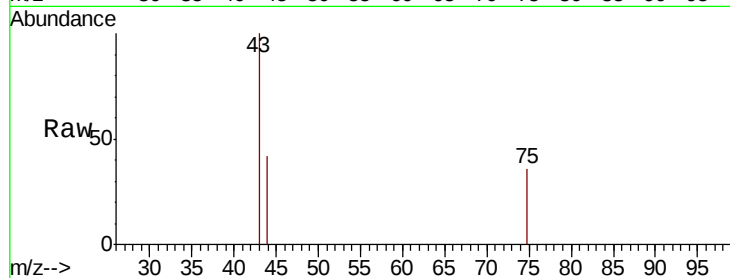




#37
Ethyl Acetate
Concen: 0.582 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.08 min
Lab File: VN060153.D
Acq: 19 Feb 2020 14:09

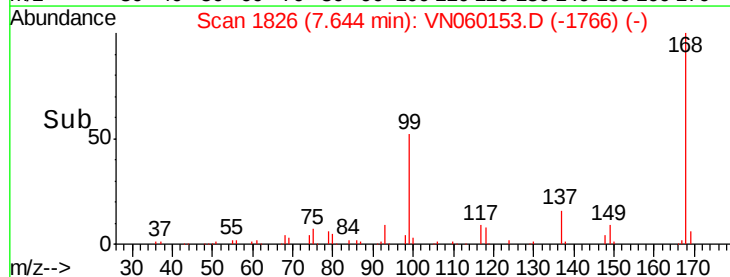
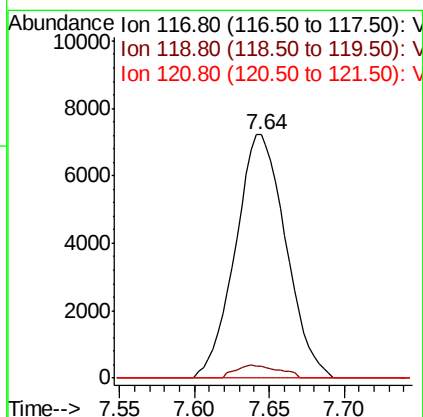
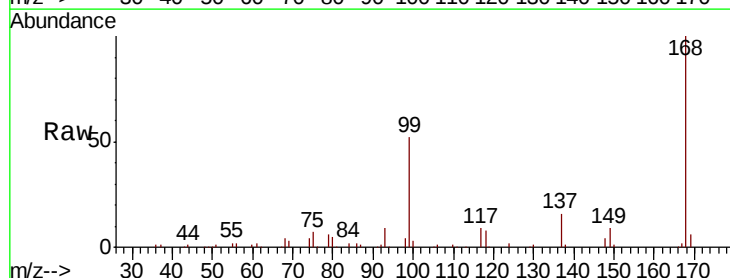
Instrument :
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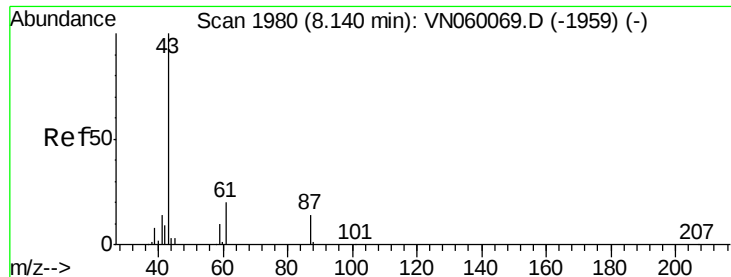
Tot Ion: 43 Resp: 1444
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.2#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.676 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060153.D
Acq: 19 Feb 2020 14:09

Tgt Ion: 117 Resp: 16912
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.4#
121 0.0 24.2 36.2#

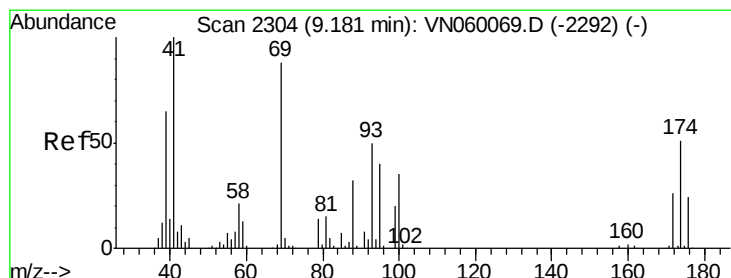
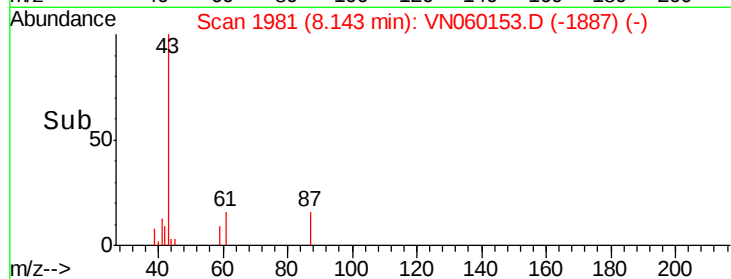
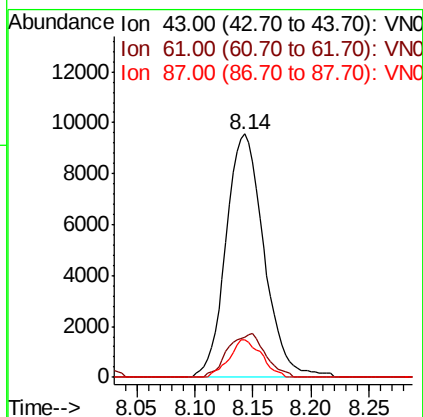
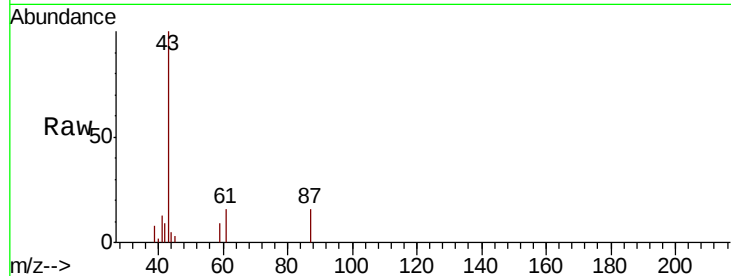




#43
Isopropyl Acetate
Concen: 5.118 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN060153.D
Acq: 19 Feb 2020 14:09

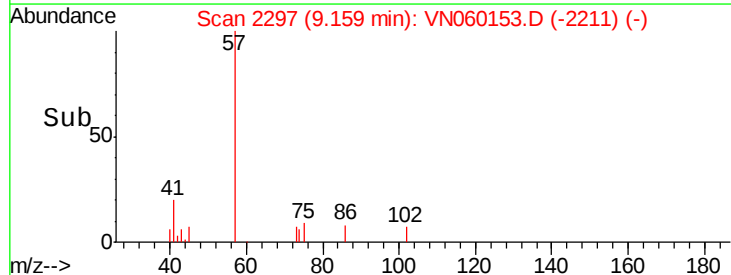
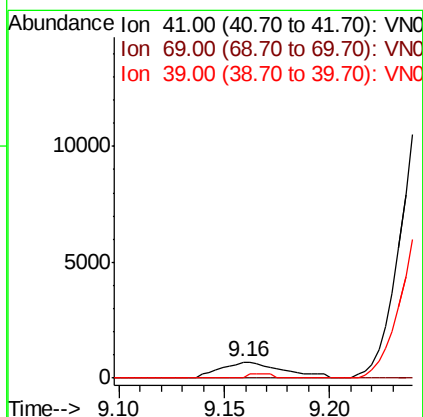
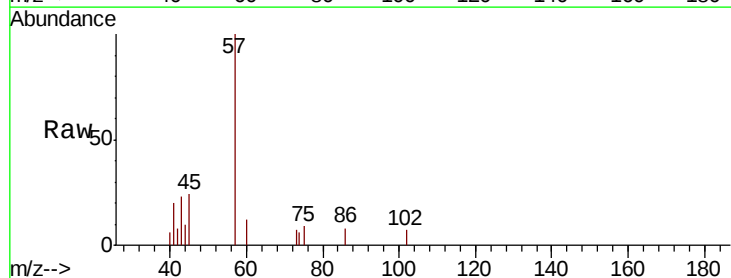
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ClientSampleId :

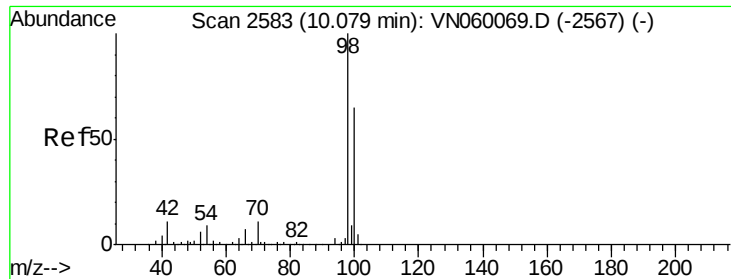
Tot Ion: 43 Resp: 21693
Ion Ratio Lower Upper
43 100
61 17.8 21.8 32.6#
87 13.2 11.4 17.2



#48
Methyl methacrylate
Concen: 0.745 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060153.D
Acq: 19 Feb 2020 14:09

Tgt Ion: 41 Resp: 1417
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 54.1 81.1#

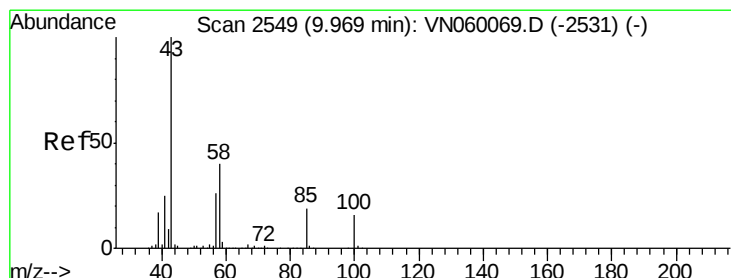
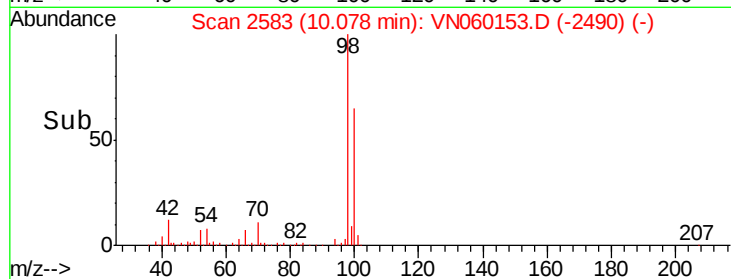
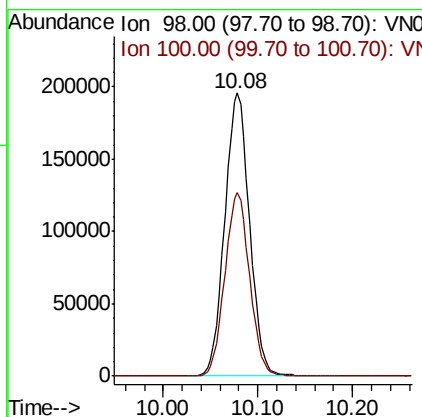
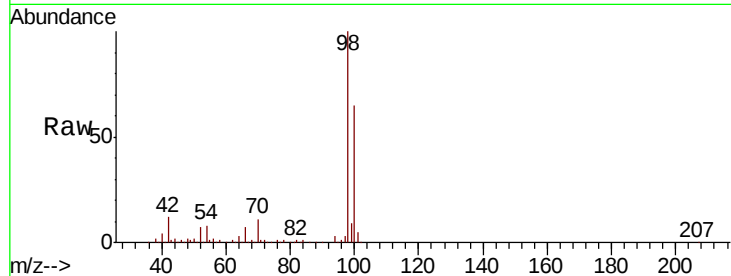




#50
Toluene-d8
Concen: 49.662 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060153.D
Acq: 19 Feb 2020 14:09

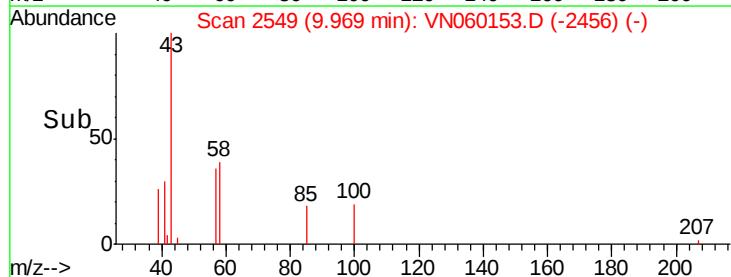
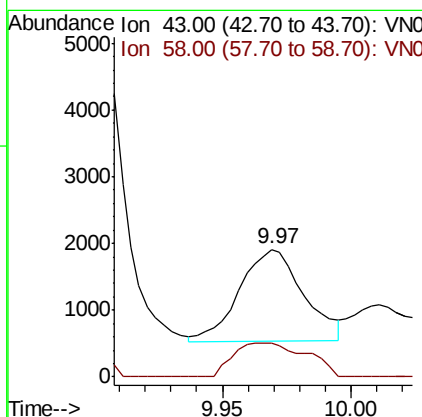
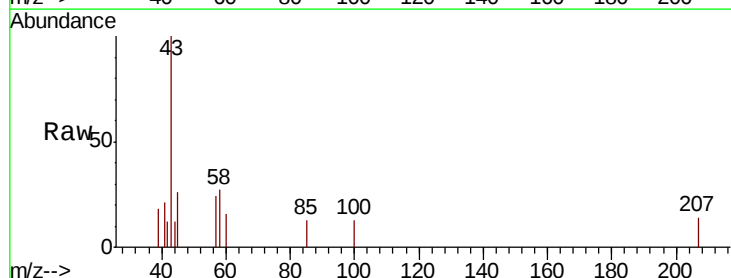
Instrument :
MSVOA_N
ClientSampled :

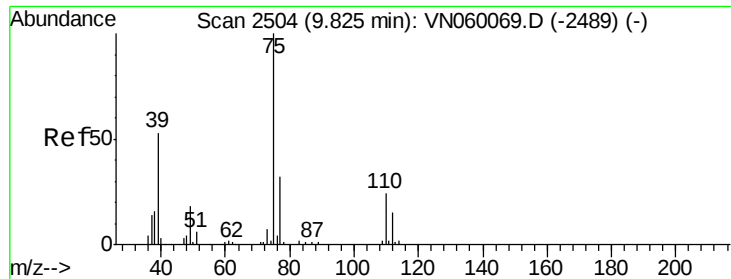
Tot Ion: 98 Resp: 356102
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.966 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN060153.D
Acq: 19 Feb 2020 14:09

Tgt Ion: 43 Resp: 2369
Ion Ratio Lower Upper
43 100
58 42.7 31.8 47.8





#54

cis-1,3-Dichloropropene

Concen: 2.795 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060153.D

Acq: 19 Feb 2020 14:09

Instrument :

MSVOA_N

ClientSampleId :

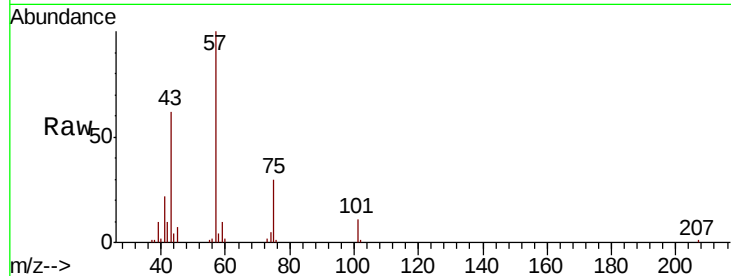
Tot Ion: 75 Resp: 9618

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

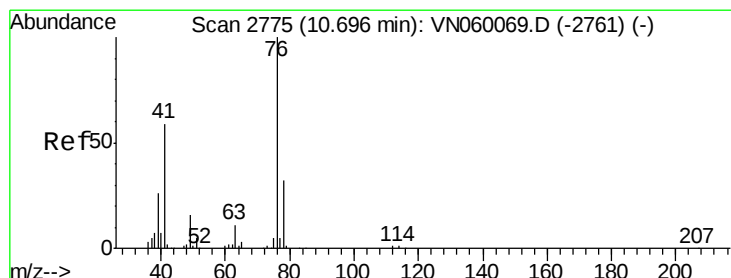
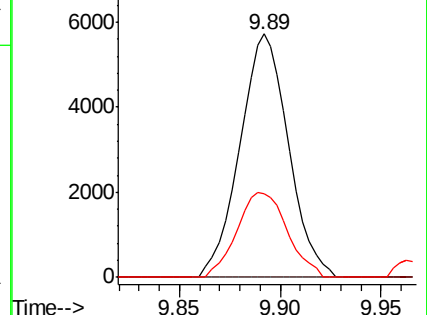
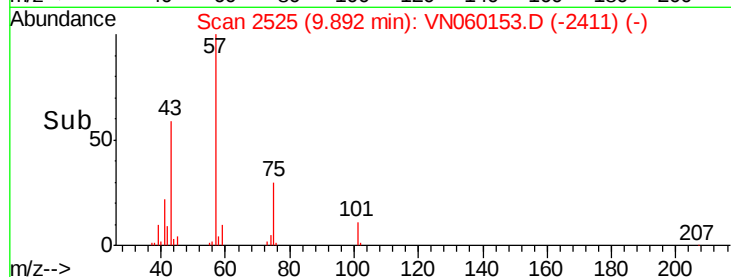
39 34.1 42.2 63.4#



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



#57

1,3-Dichloropropane

Concen: 0.419 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060153.D

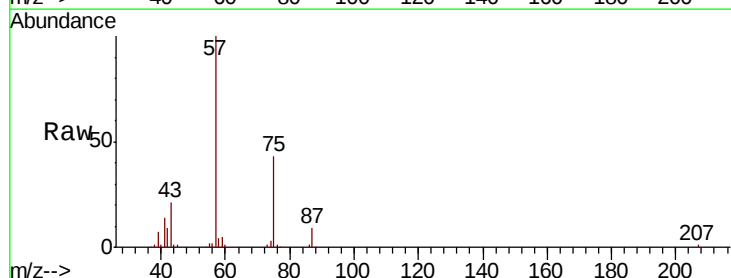
Acq: 19 Feb 2020 14:09

Tgt Ion: 76 Resp: 1409

Ion Ratio Lower Upper

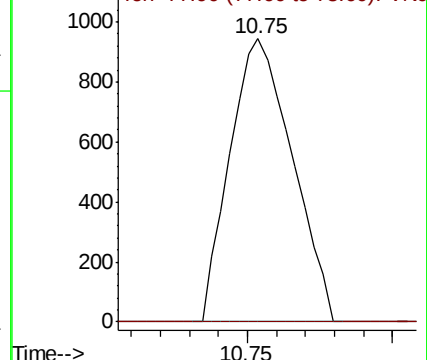
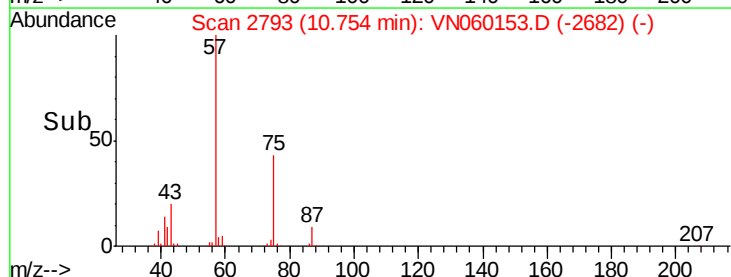
76 100

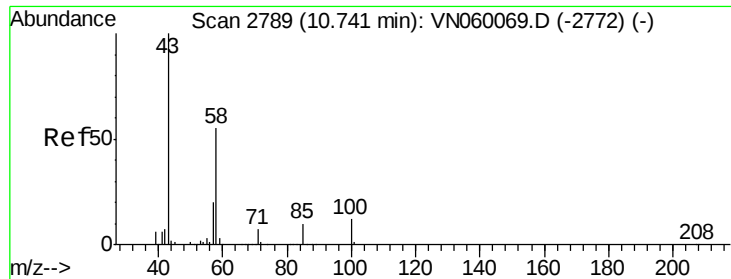
78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

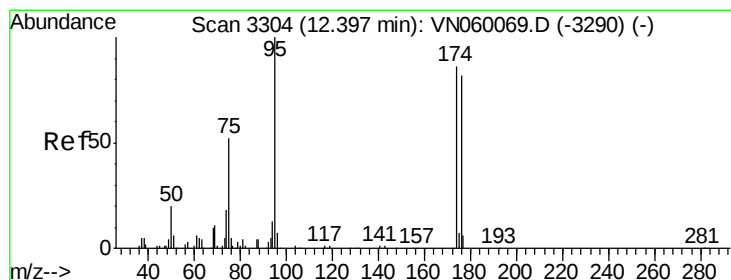
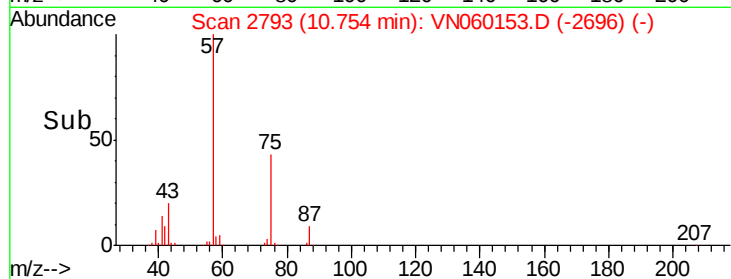
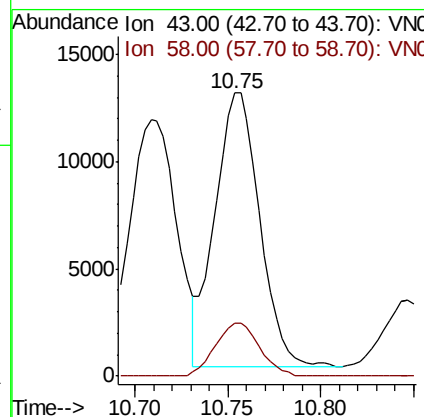
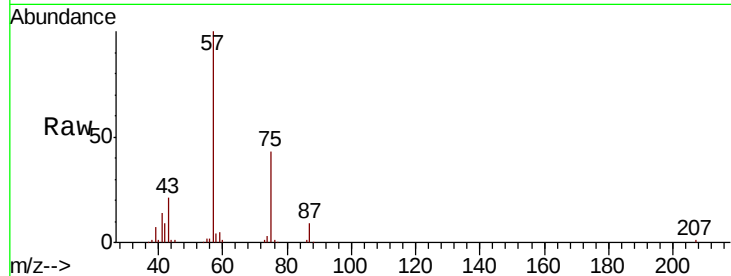




#59
2-Hexanone
Concen: 11.273 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060153.D
Acq: 19 Feb 2020 14:09

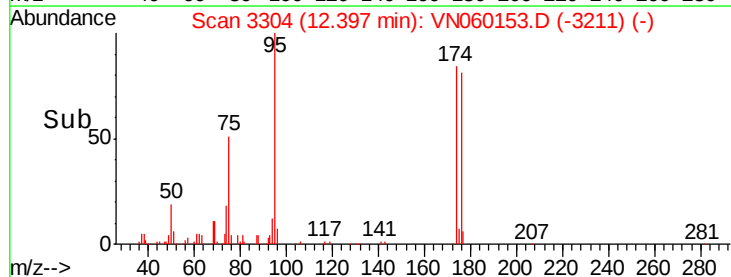
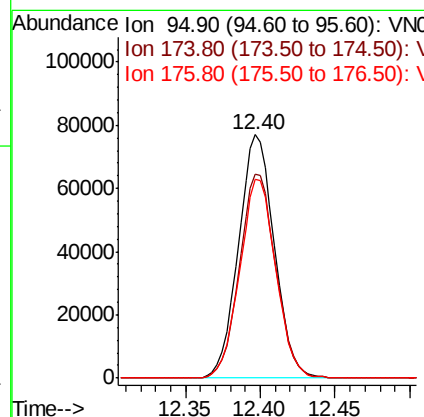
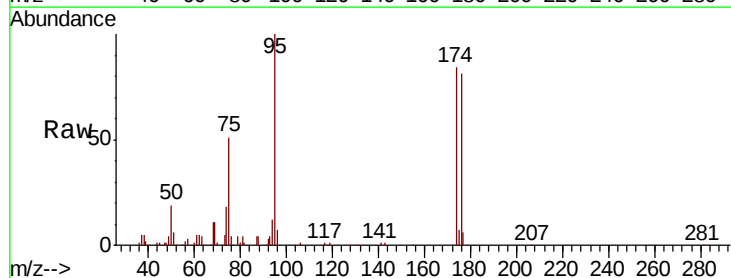
Instrument :
MSVOA_N
ClientSampled :

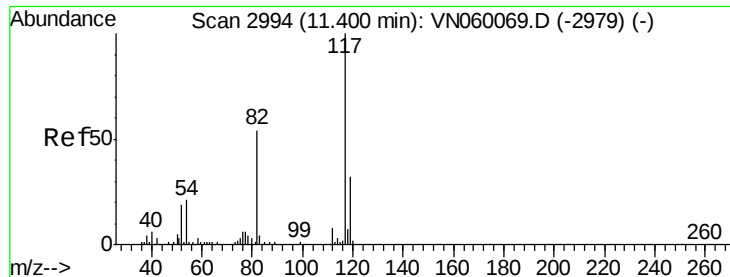
Tot Ion: 43 Resp: 21365
Ion Ratio Lower Upper
43 100
58 19.2 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 48.617 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060153.D
Acq: 19 Feb 2020 14:09

Tgt Ion: 95 Resp: 128098
Ion Ratio Lower Upper
95 100
174 85.2 0.0 169.8
176 82.3 0.0 164.8

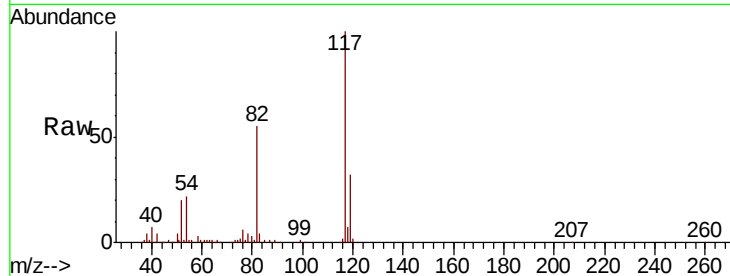




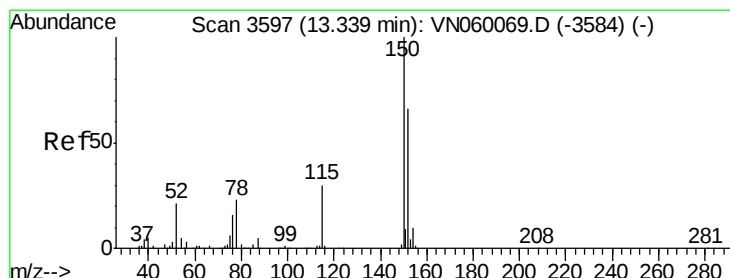
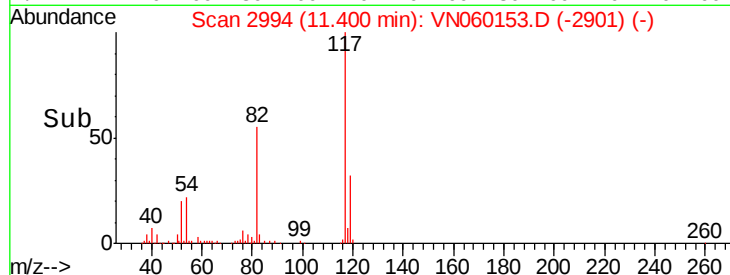
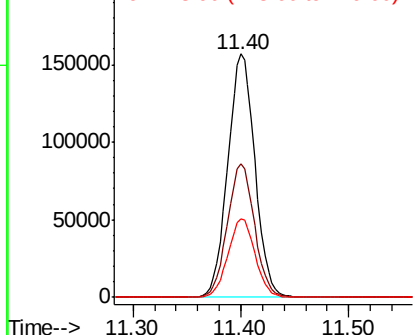
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060153.D
Acq: 19 Feb 2020 14:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 275230
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.0
119 32.2 25.8 38.6

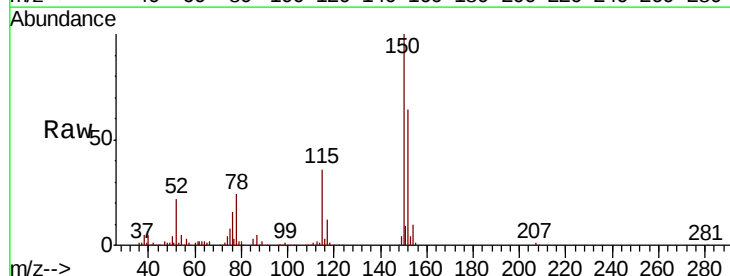


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

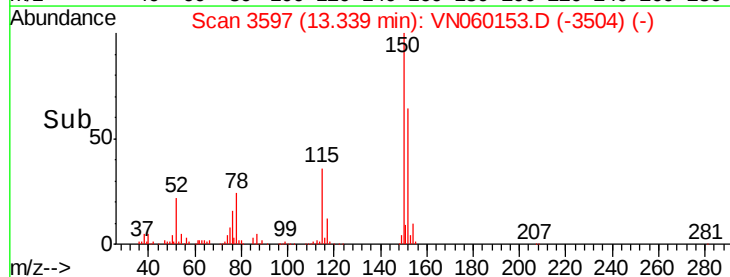
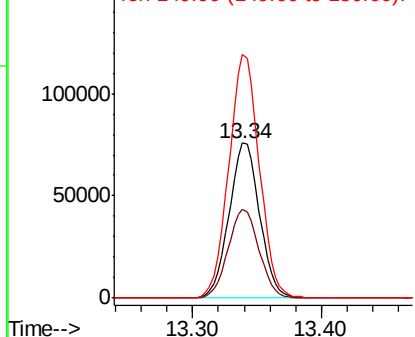


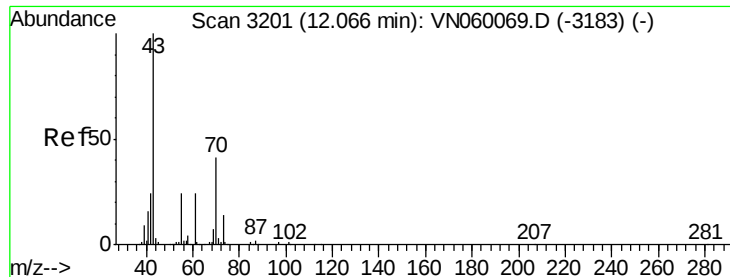
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060153.D
Acq: 19 Feb 2020 14:09

Tgt Ion:152 Resp: 124919
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.8
150 156.5 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: 0.325 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.03 min

Lab File: VN060153.D

Acq: 19 Feb 2020 14:09

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 1094

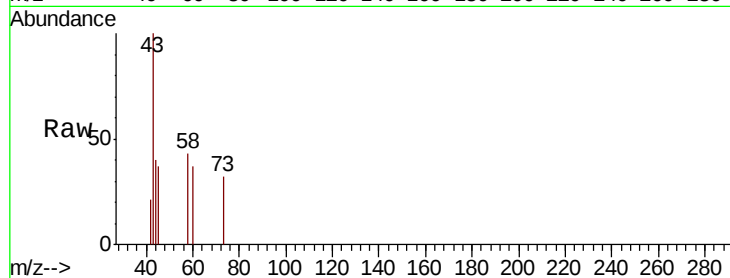
Ion Ratio Lower Upper

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

1000

800

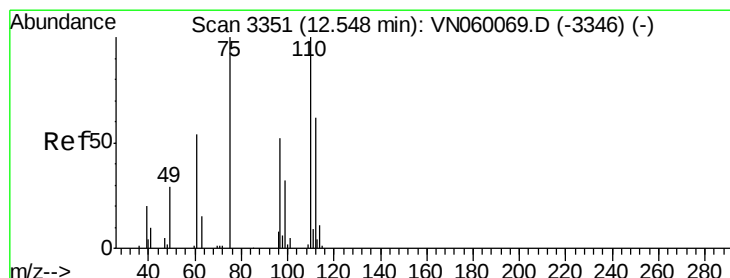
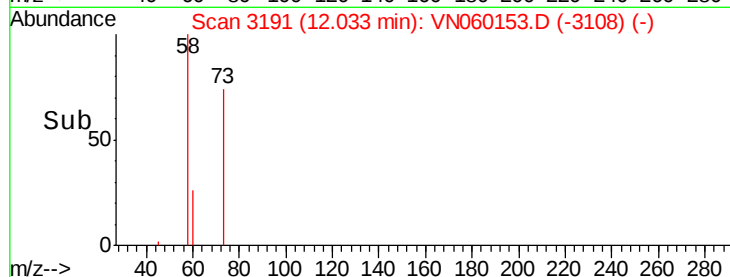
600

400

200

0

Time--> 11.95 12.00 12.05



#76

1,2,3-Trichloropropane

Concen: 27.835 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060153.D

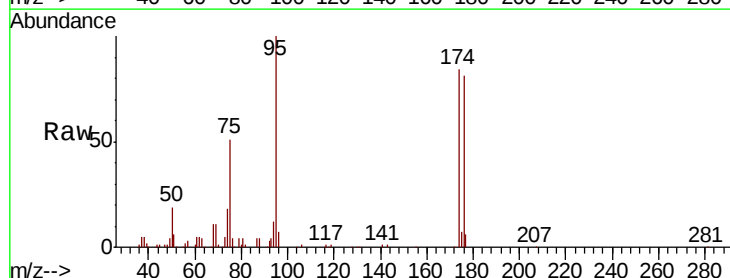
Acq: 19 Feb 2020 14:09

Tgt Ion: 75 Resp: 66525

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

40000

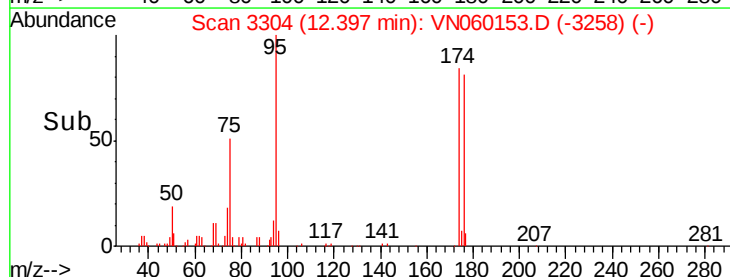
30000

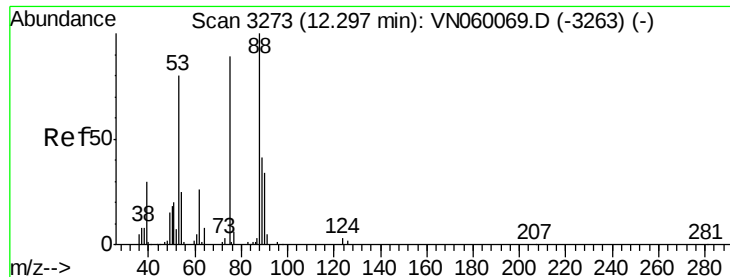
20000

10000

0

Time--> 12.35 12.40 12.45





#81

trans-1,4-Dichloro-2-butene

Concen: 68.154 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060153.D

Acq: 19 Feb 2020 14:09

Instrument :

MSVOA_N

ClientSampleId :

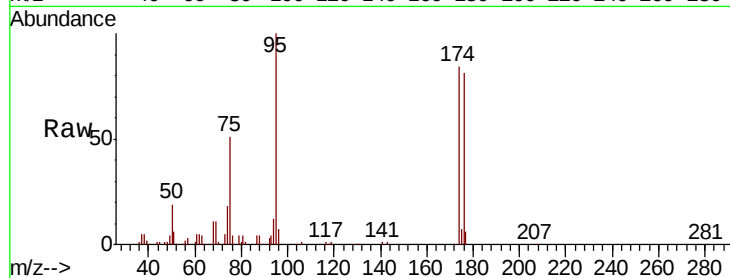
Tot Ion: 75 Resp: 66525

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

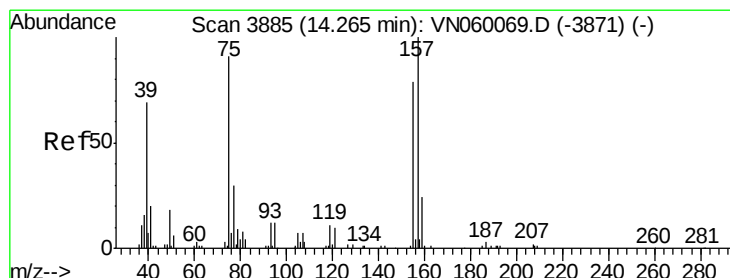
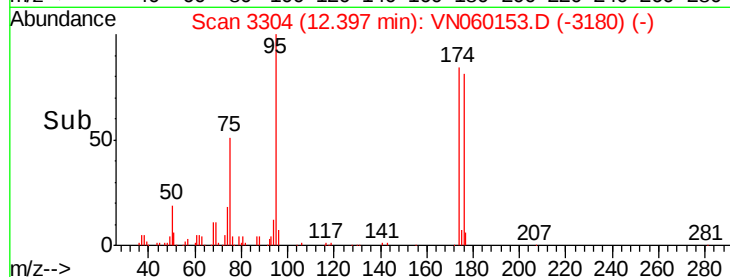
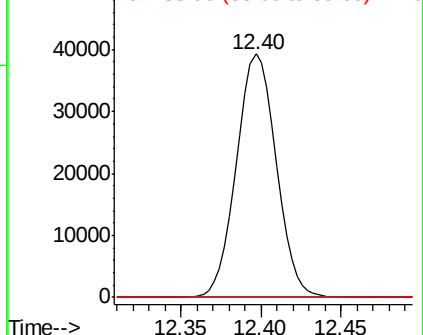
89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060153.D (-3304) (-)

Ion 53.00 (52.70 to 53.70): VN060153.D (-3304) (-)

Ion 88.90 (88.60 to 89.60): VN060153.D (-3304) (-)



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.28 min Scan# 3890

Delta R.T. 0.02 min

Lab File: VN060153.D

Acq: 19 Feb 2020 14:09

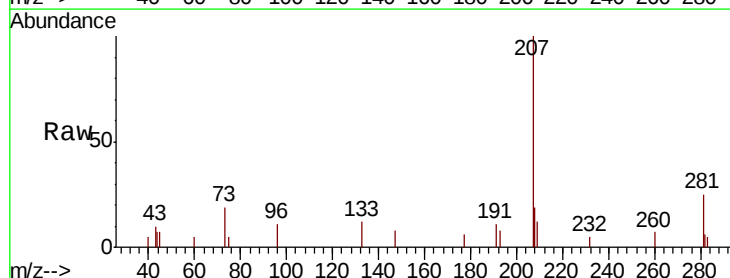
Tgt Ion: 75 Resp: 94

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

157 0.0 54.9 164.5#



Abundance Ion 74.90 (74.60 to 75.60): VN060153.D (-3890) (-)

Ion 154.80 (154.50 to 155.50): VN060153.D (-3890) (-)

Ion 156.80 (156.50 to 157.50): VN060153.D (-3890) (-)

