

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020320\
 Data File : VN059975.D
 Acq On : 3 Feb 2020 15:25
 Operator : JC/MD
 Sample : PB126526ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 03:58:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	193968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	298684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	279193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124385	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	110930	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
35) Dibromofluoromethane	7.57	113	90478	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
50) Toluene-d8	10.08	98	357193	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.40	95	126734	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	

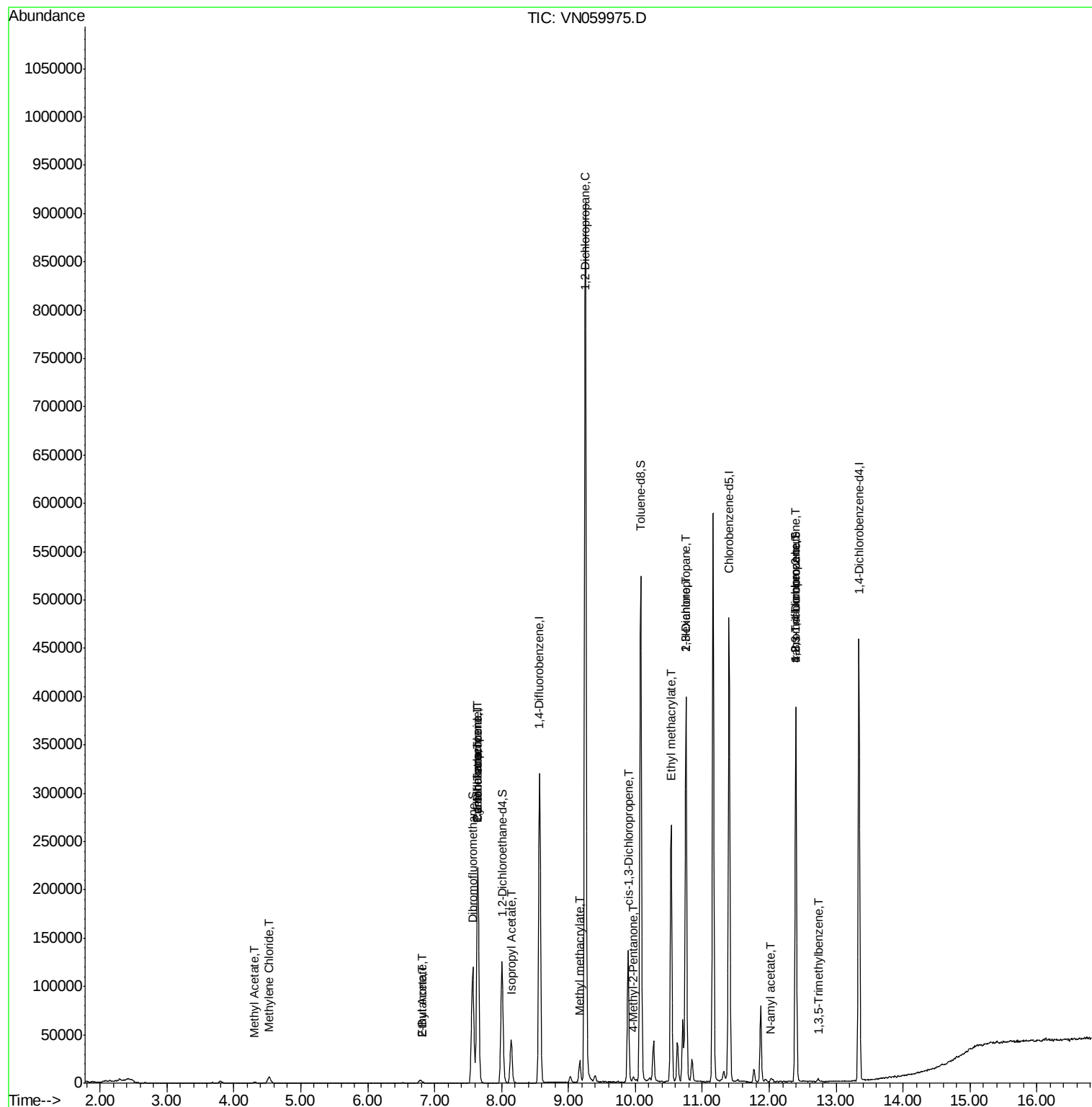
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	3851	Below Cal	#	80
18) Methyl Acetate	4.31	43	1344	0.534	ug/l #	54
20) Methylene Chloride	4.53	84	5577	1.609	ug/l #	80
25) 2-Butanone	6.82	43	1355	1.111	ug/l #	88
31) Cyclohexane	7.65	56	3740	1.173	ug/l #	6
36) 1,1-Dichloropropene	7.65	75	13786	5.300	ug/l #	50
37) Ethyl Acetate	6.82	43	1355	0.555	ug/l #	69
38) Carbon Tetrachloride	7.65	117	17822	6.299	ug/l #	16
43) Isopropyl Acetate	8.14	43	54127	12.899	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	908	0.473	ug/l #	44
48) Methyl methacrylate	9.16	41	3084	1.643	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2875	1.185	ug/l	94
54) cis-1,3-Dichloropropene	9.89	75	25166	7.850	ug/l #	58
56) Ethyl methacrylate	10.53	69	618	0.208	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	4317	1.401	ug/l #	42
59) 2-Hexanone	10.75	43	57056	31.928	ug/l #	56
74) N-amyl acetate	12.02	43	3200	0.904	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	65840	31.453	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2204	0.287	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	65840	67.546	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.37	75	123	Below Cal	#	6

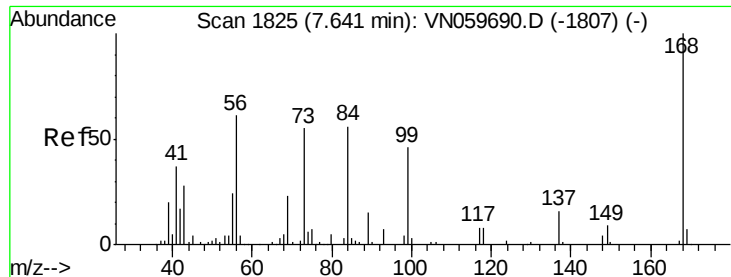
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 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: VN059975.D

Acq: 3 Feb 2020 15:25

Instrument :

MSVOA_N

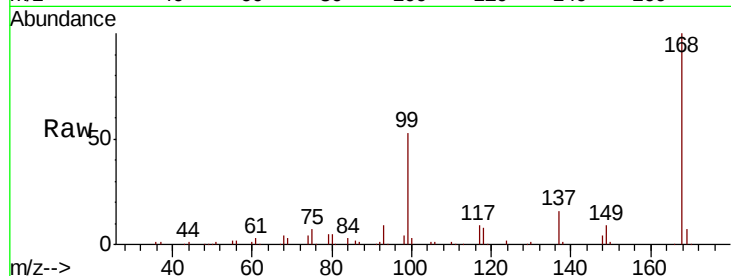
ClientSampled :

Tot Ion:168 Resp: 193968

Ion Ratio Lower Upper

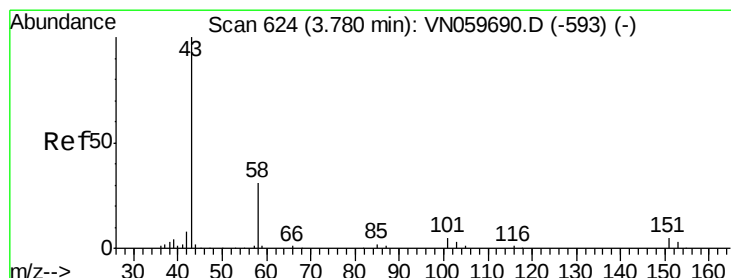
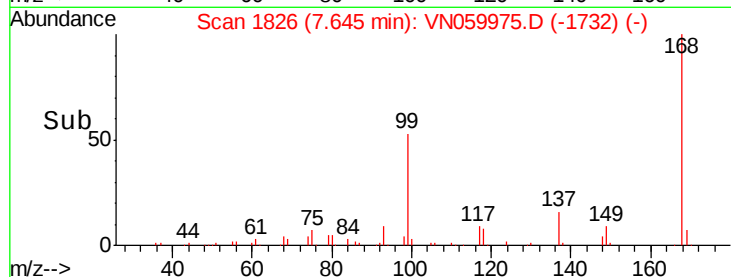
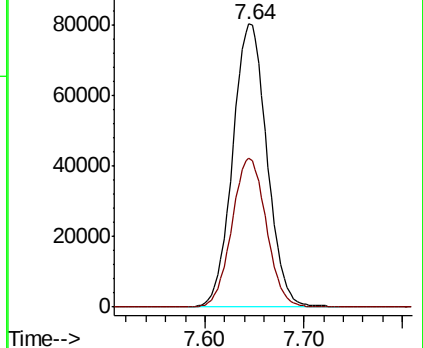
168 100

99 52.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059690.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059690.D (-1807) (-)



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN059975.D

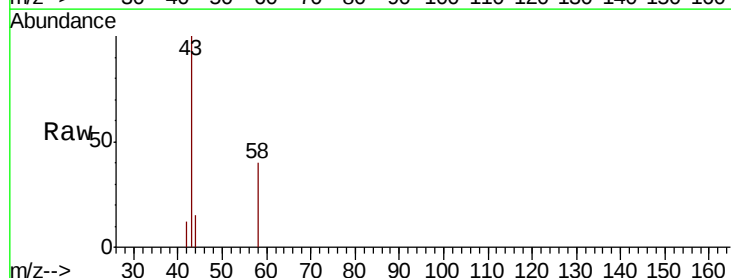
Acq: 3 Feb 2020 15:25

Tgt Ion: 43 Resp: 3851

Ion Ratio Lower Upper

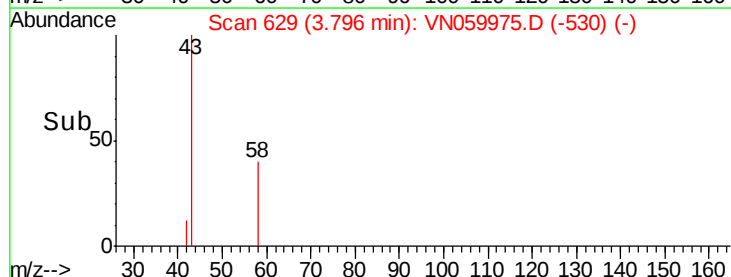
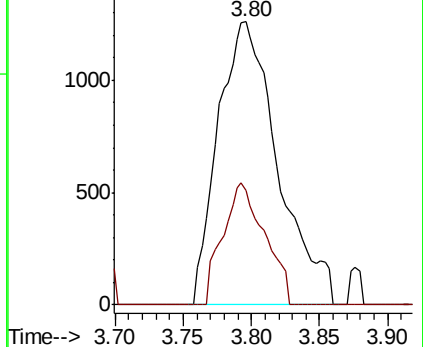
43 100

58 40.2 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-593) (-)

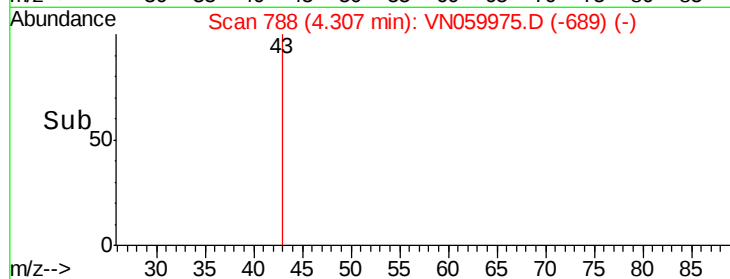
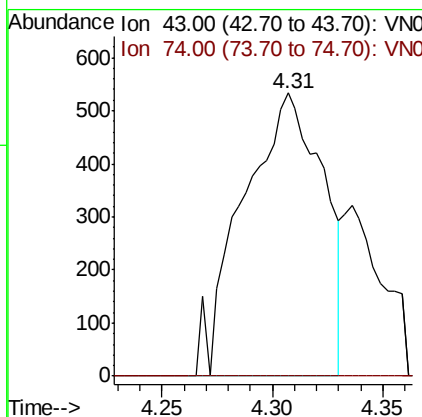
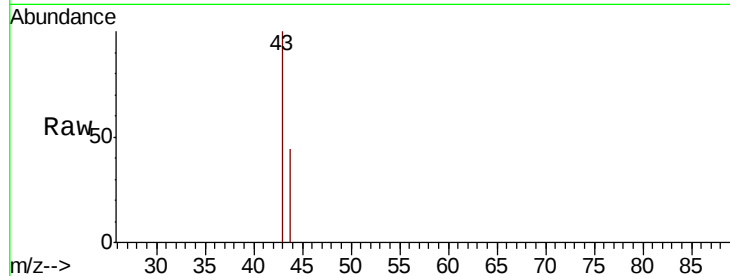




#18
Methyl Acetate
Concen: 0.534 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN059975.D
Acq: 3 Feb 2020 15:25

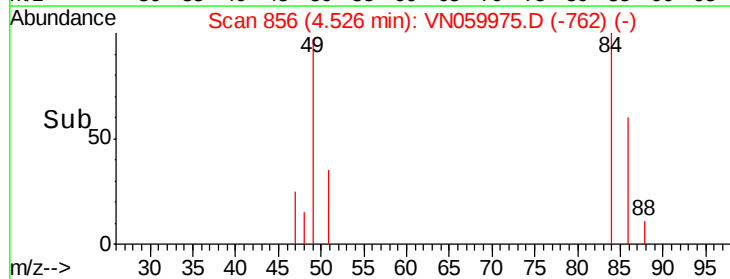
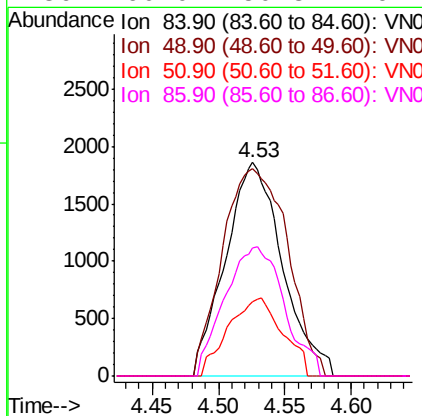
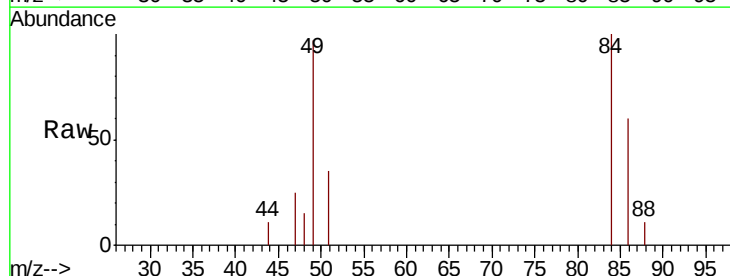
Instrument :
MSVOA_N
ClientSampled :

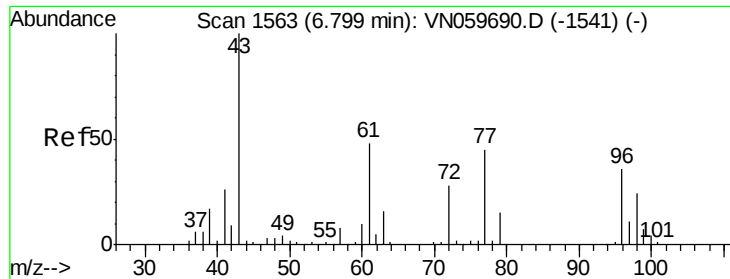
Tot Ion: 43 Resp: 1344
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.609 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059975.D
Acq: 3 Feb 2020 15:25

Tgt Ion: 84 Resp: 5577
Ion Ratio Lower Upper
84 100
49 96.9 106.6 160.0#
51 34.6 31.9 47.9
86 60.0 50.8 76.2

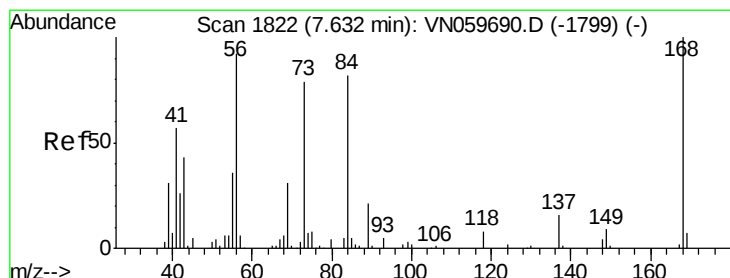
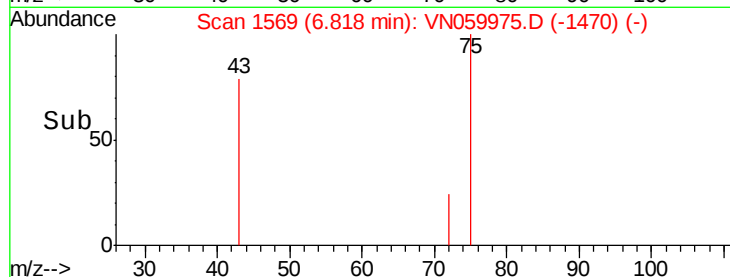
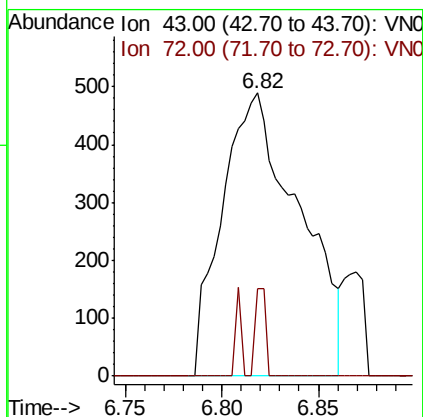
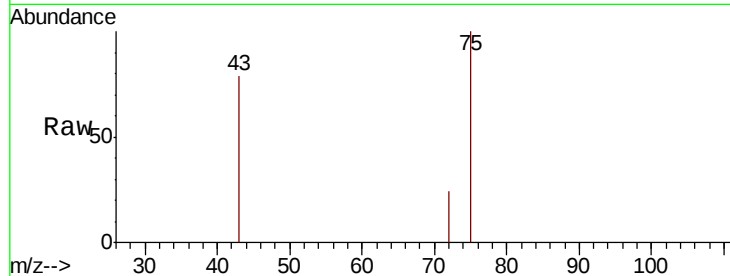




#25
2-Butanone
Concen: 1.111 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN059975.D
Acq: 3 Feb 2020 15:25

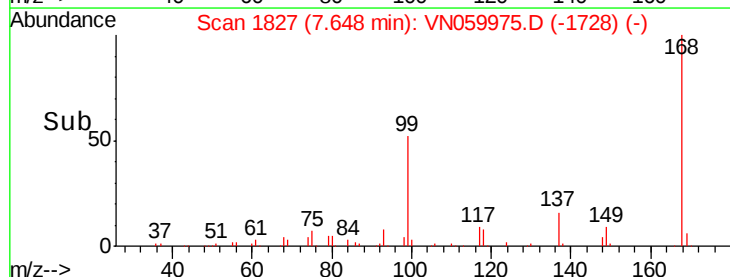
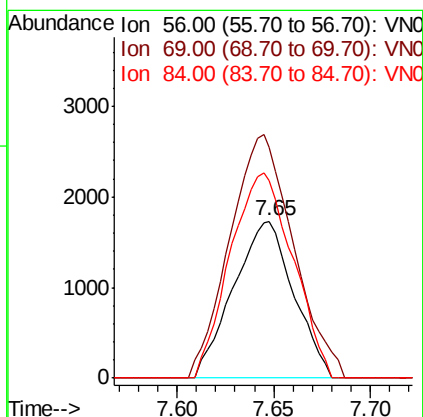
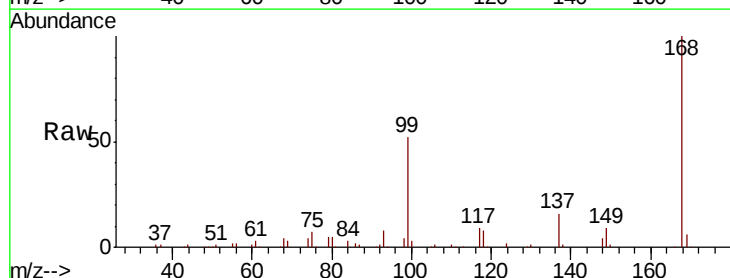
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1355
Ion Ratio Lower Upper
43 100
72 30.9 19.9 29.9#



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.02 min
Lab File: VN059975.D
Acq: 3 Feb 2020 15:25

Tgt Ion: 56 Resp: 3740
Ion Ratio Lower Upper
56 100
69 146.9 26.5 39.7#
84 126.2 65.3 97.9#

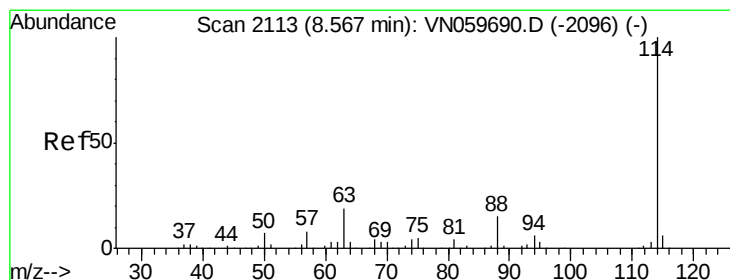
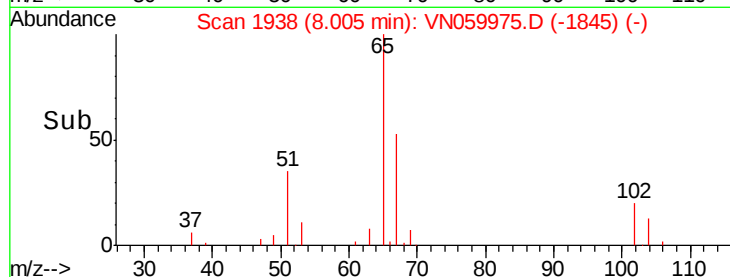
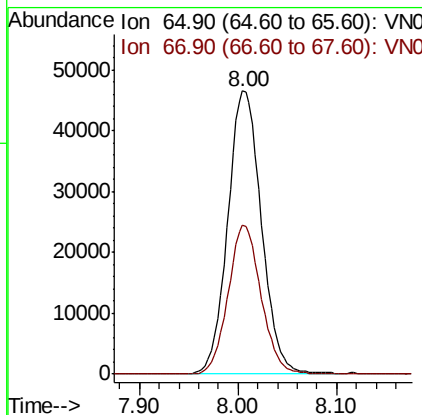
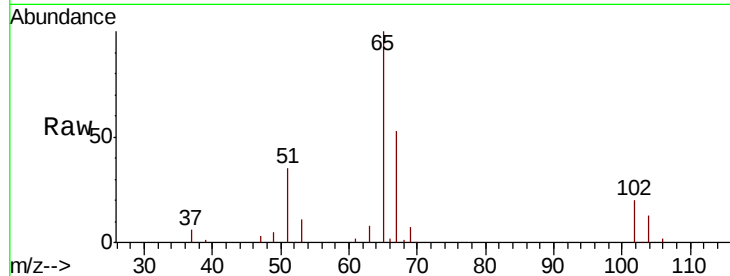




#33
 1,2-Dichloroethane-d4
 Concen: 51.498 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059975.D
 Acq: 3 Feb 2020 15:25

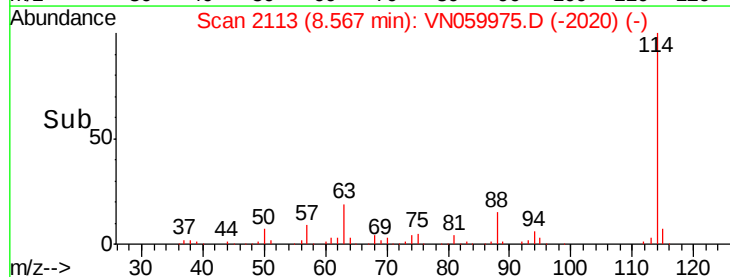
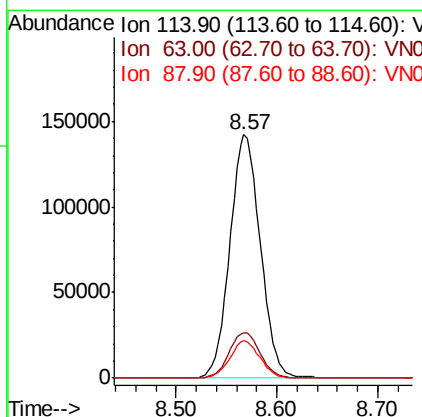
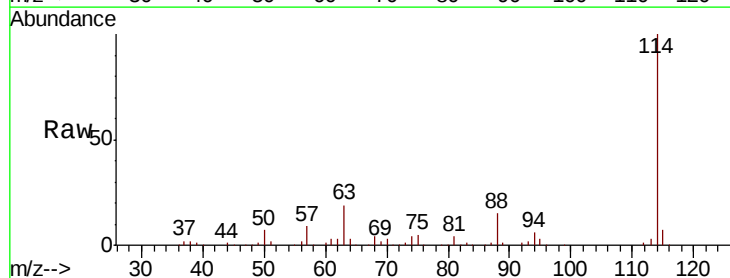
Instrument :
 MSVOA_N
 ClientSampleId :

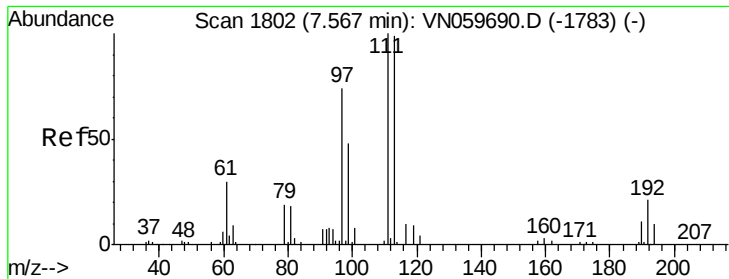
Tot Ion: 65 Resp: 110930
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059975.D
 Acq: 3 Feb 2020 15:25

Tgt Ion: 114 Resp: 298684
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 43.6
 88 15.4 0.0 31.4

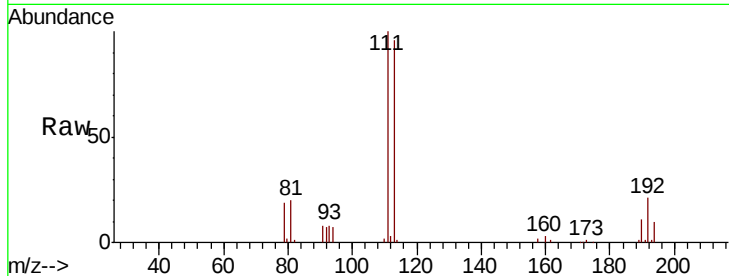




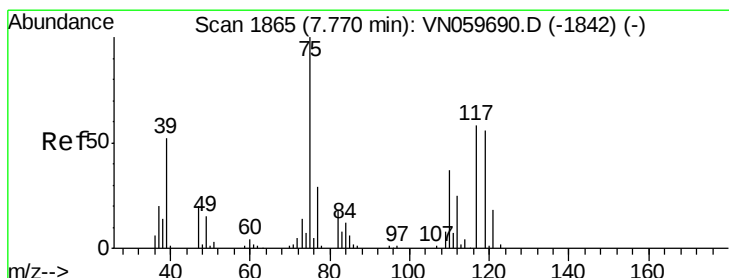
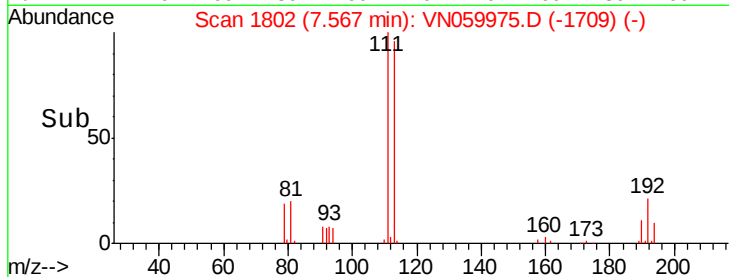
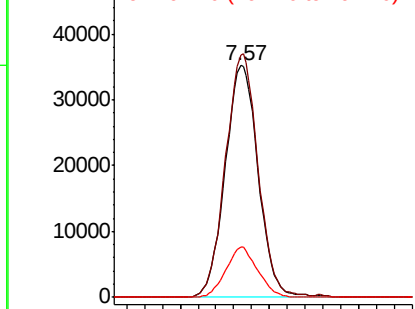
#35
 Dibromofluoromethane
 Concen: 50.797 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059975.D
 Acq: 3 Feb 2020 15:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.5	125.3
192	20.7	15.4	23.2

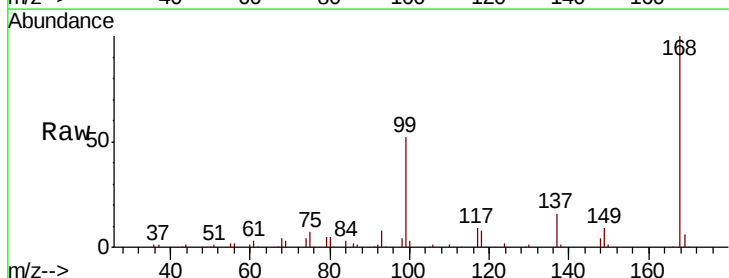


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

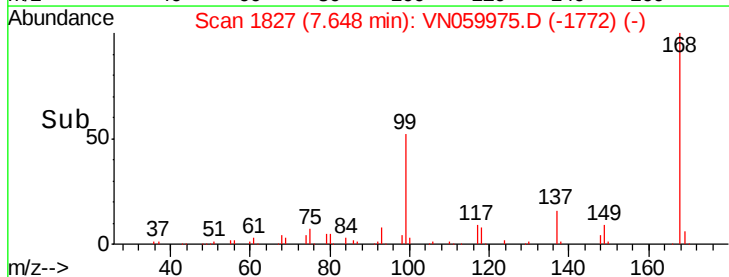
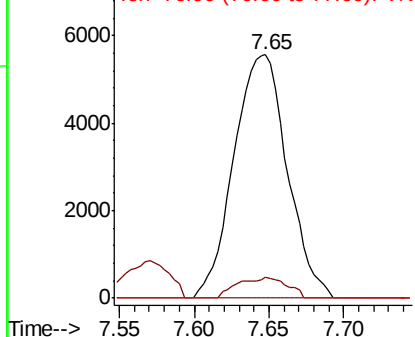


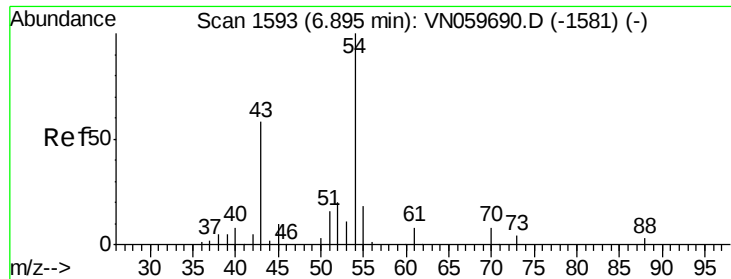
#36
 1,1-Dichloropropene
 Concen: 5.300 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.12 min
 Lab File: VN059975.D
 Acq: 3 Feb 2020 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.6	49.7#
77	0.0	25.1	37.7#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

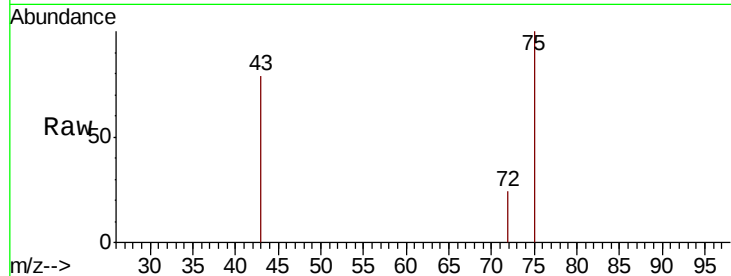




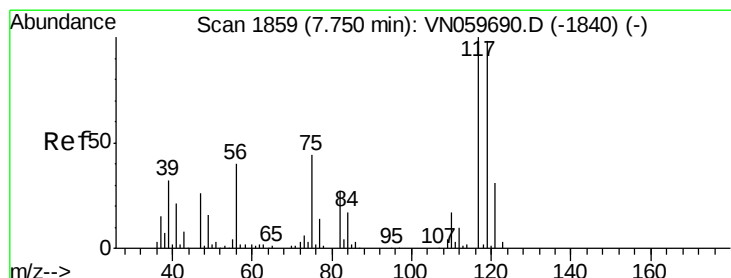
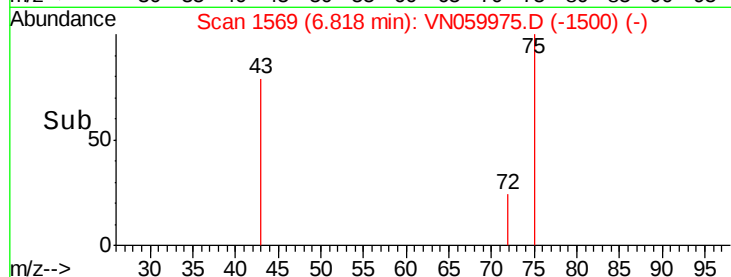
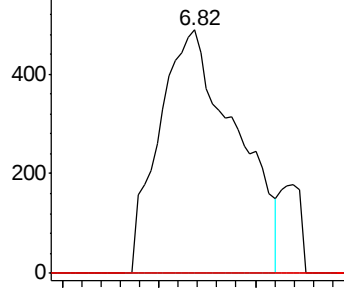
#37
Ethyl Acetate
Concen: 0.555 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.08 min
Lab File: VN059975.D
Acq: 3 Feb 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1355
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#

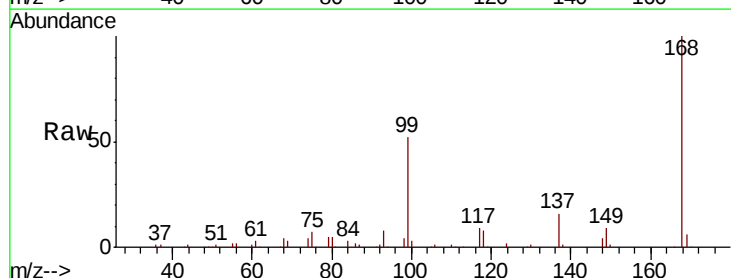


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

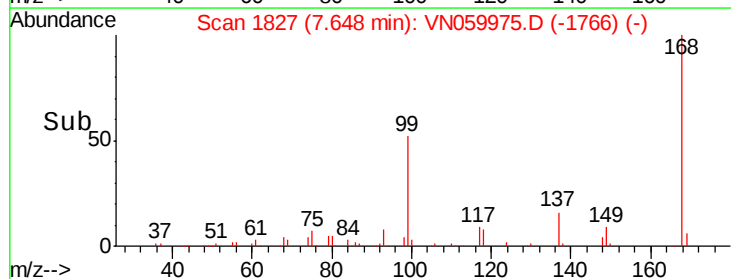
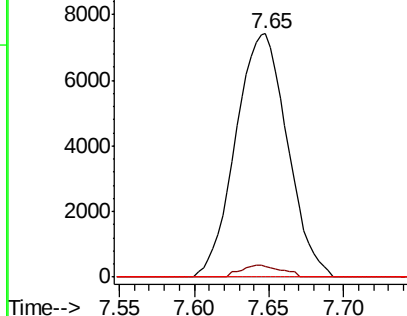


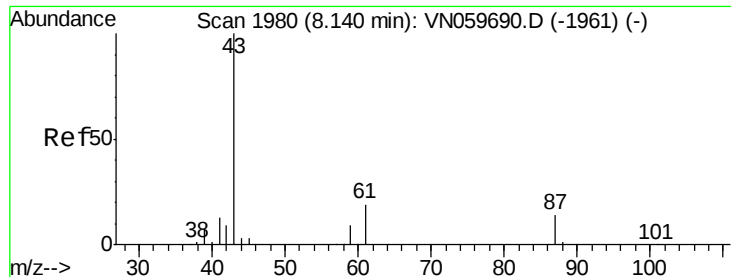
#38
Carbon Tetrachloride
Concen: 6.299 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.10 min
Lab File: VN059975.D
Acq: 3 Feb 2020 15:25

Tgt Ion: 117 Resp: 17822
Ion Ratio Lower Upper
117 100
119 4.4 76.5 114.7#
121 0.0 25.1 37.7#



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: 12.899 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059975.D

Acq: 3 Feb 2020 15:25

Instrument :

MSVOA_N

ClientSampled :

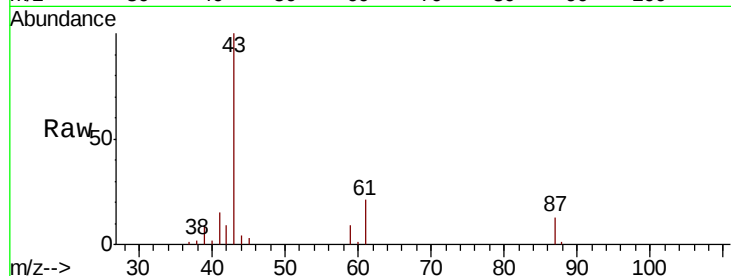
Tot Ion: 43 Resp: 54127

Ion Ratio Lower Upper

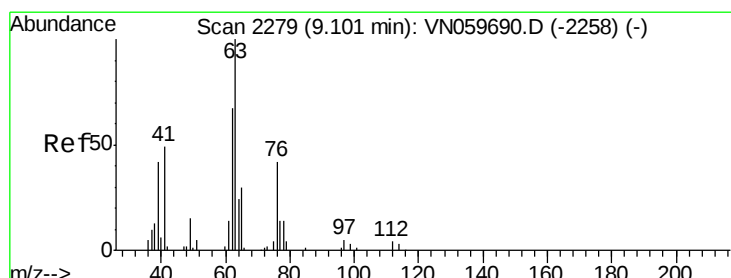
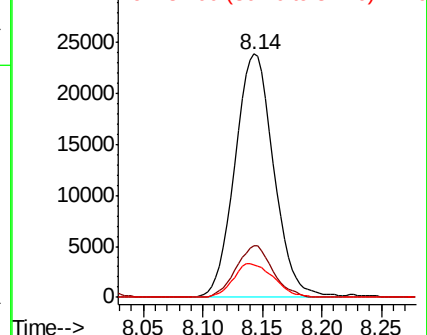
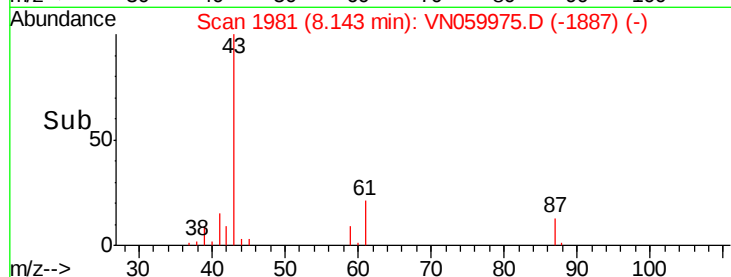
43 100

61 20.0 20.2 30.2#

87 14.2 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059975.D (-1987) (-)



#45

1,2-Dichloropropane

Concen: 0.473 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN059975.D

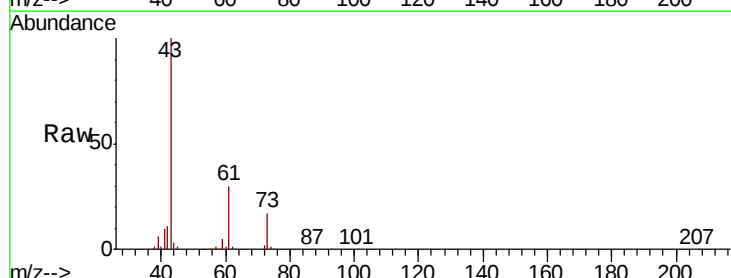
Acq: 3 Feb 2020 15:25

Tgt Ion: 63 Resp: 908

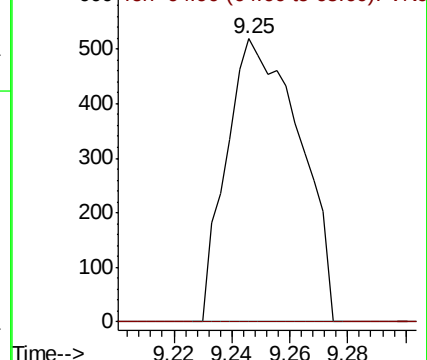
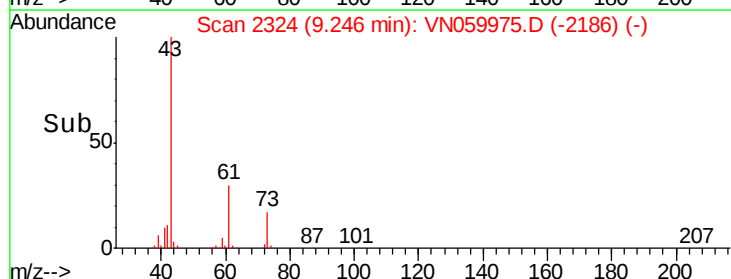
Ion Ratio Lower Upper

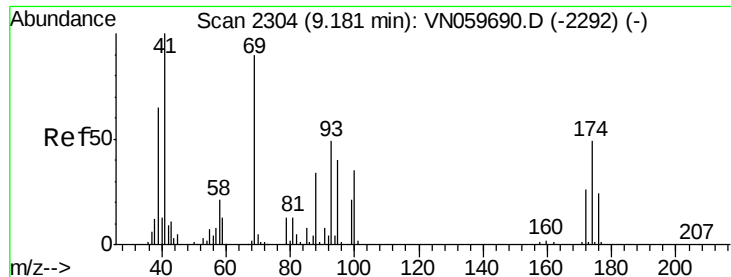
63 100

65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059975.D (-2186) (-)

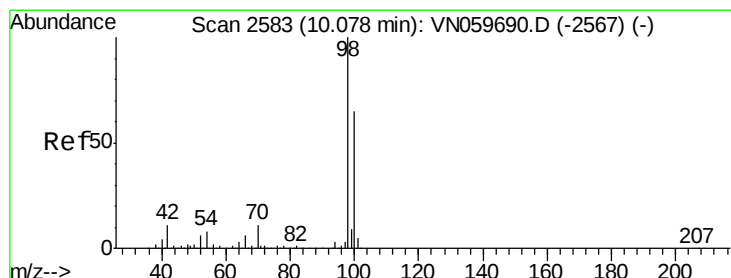
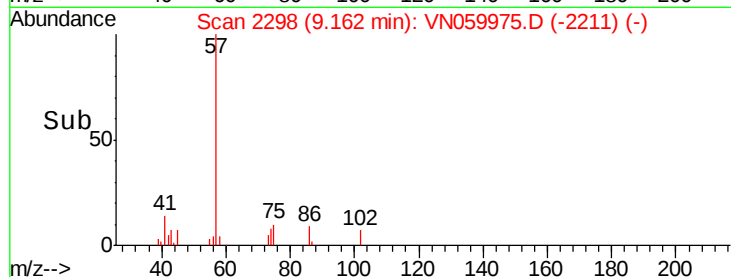
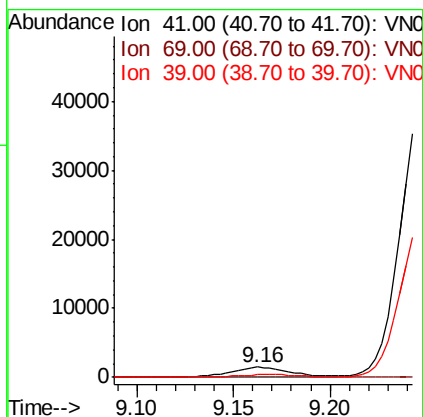
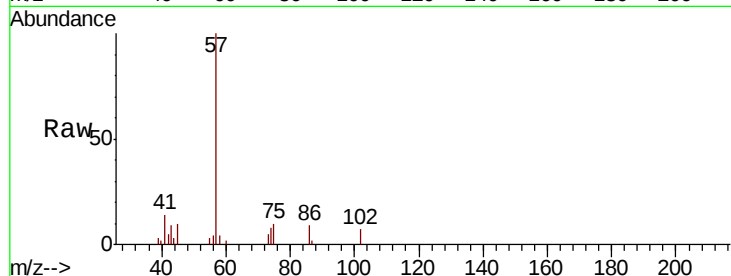




#48
Methvl methacrylate
Concen: 1.643 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN059975.D
Acq: 3 Feb 2020 15:25

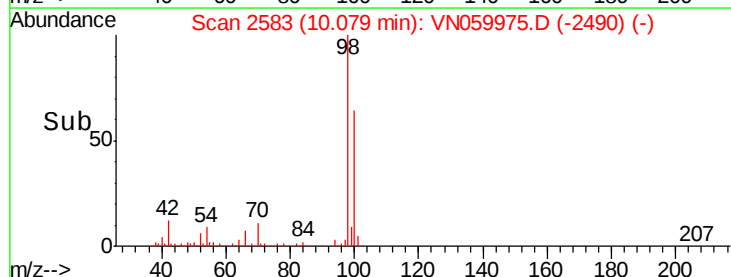
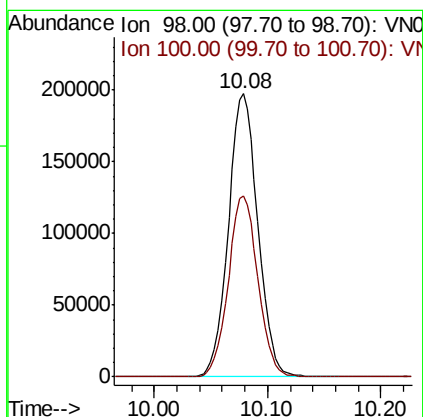
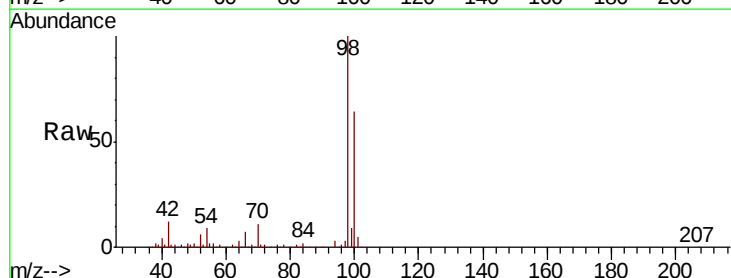
Instrument :
MSVOA_N
ClientSampled :

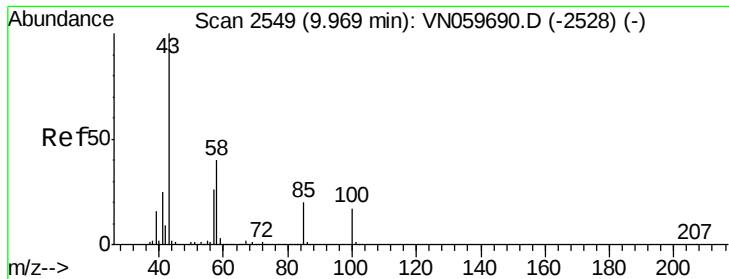
Tot Ion: 41 Resp: 3084
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.758 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059975.D
Acq: 3 Feb 2020 15:25

Tgt Ion: 98 Resp: 357193
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 1.185 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059975.D

Acq: 3 Feb 2020 15:25

Instrument :

MSVOA_N

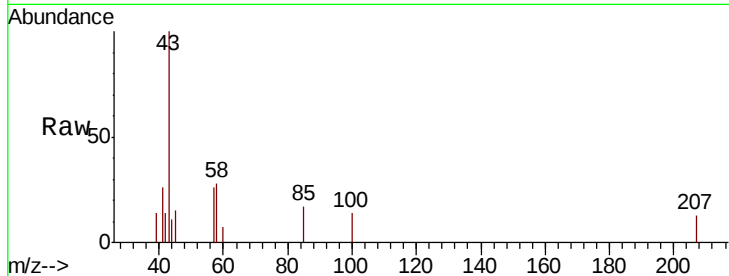
ClientSampleId :

Tot Ion: 43 Resp: 2875

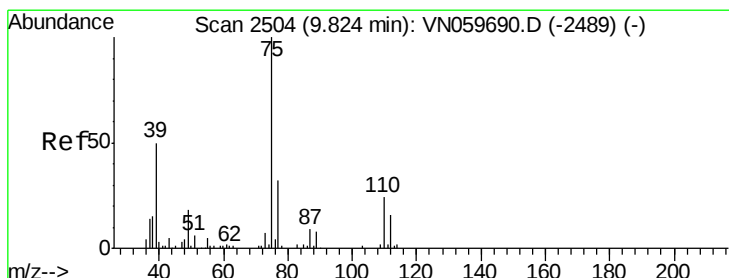
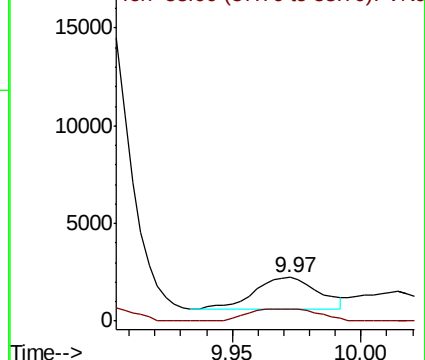
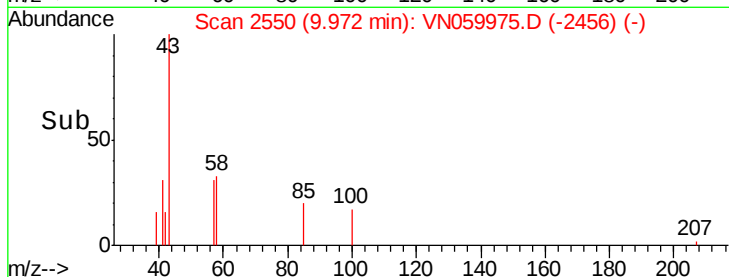
Ion Ratio Lower Upper

43 100

58 41.0 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059975.D (-2456) (-)



#54

cis-1,3-Dichloropropene

Concen: 7.850 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN059975.D

Acq: 3 Feb 2020 15:25

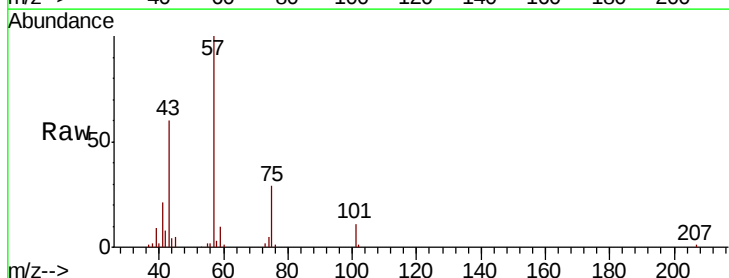
Tgt Ion: 75 Resp: 25166

Ion Ratio Lower Upper

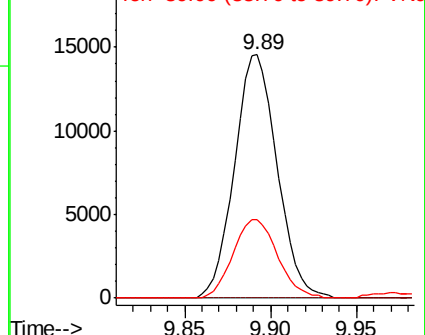
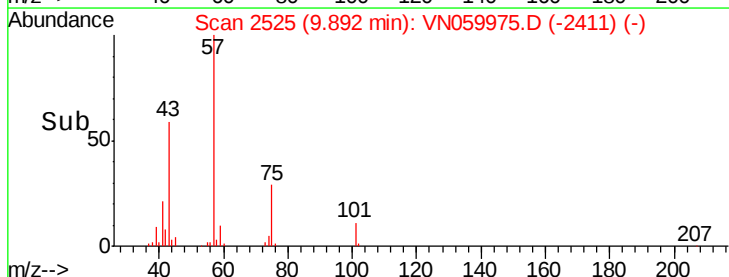
75 100

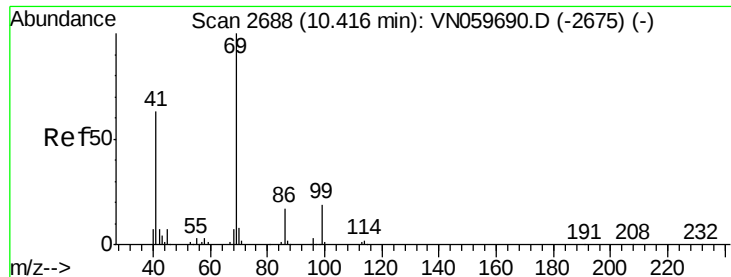
77 0.0 25.1 37.7#

39 32.3 46.1 69.1#



Abundance Ion 74.90 (74.60 to 75.60): VN059975.D (-2411) (-)

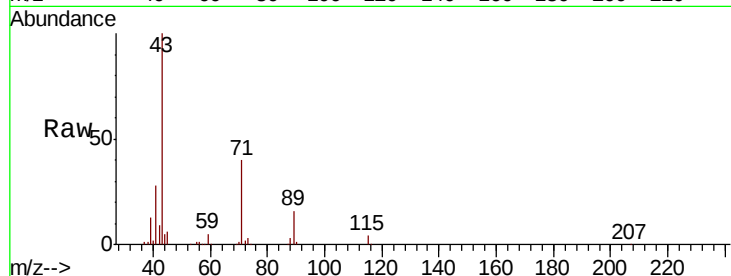




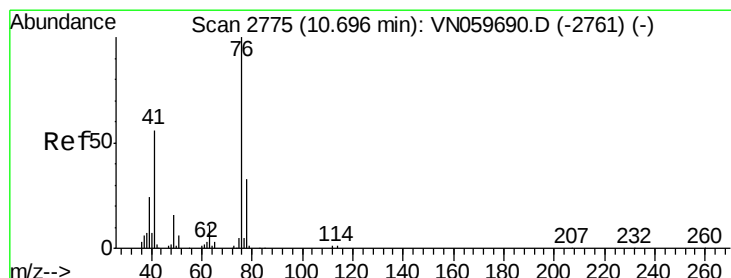
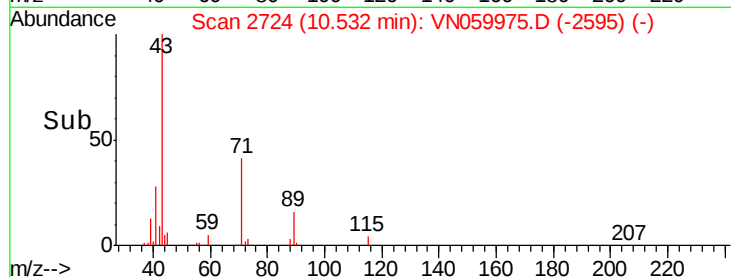
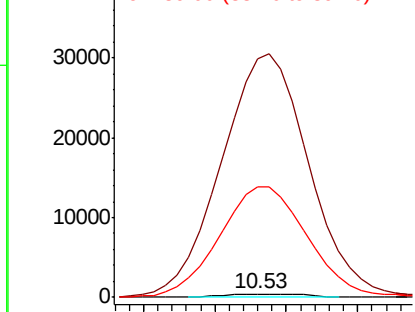
#56
Ethyl methacrylate
Concen: 0.208 ug/l
RT: 10.53 min Scan# 2724
Delta R.T. 0.12 min
Lab File: VN059975.D
Acq: 3 Feb 2020 15:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 69 Resp: 618
Ion Ratio Lower Upper
69 100
41 8449.7 57.1 85.7#
39 3871.7 34.7 52.1#

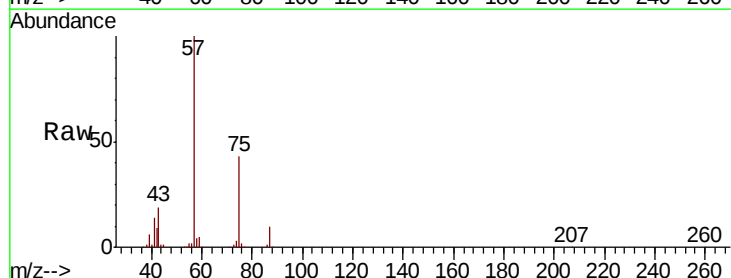


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

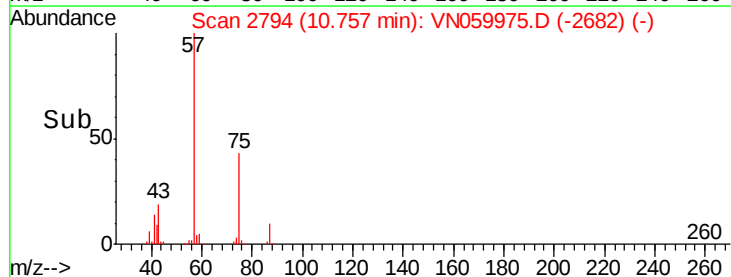
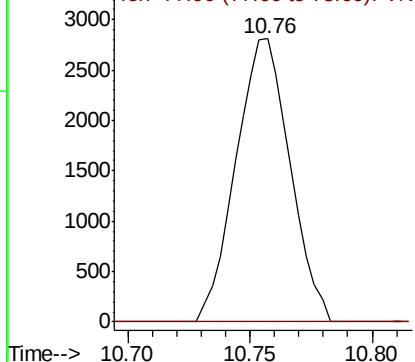


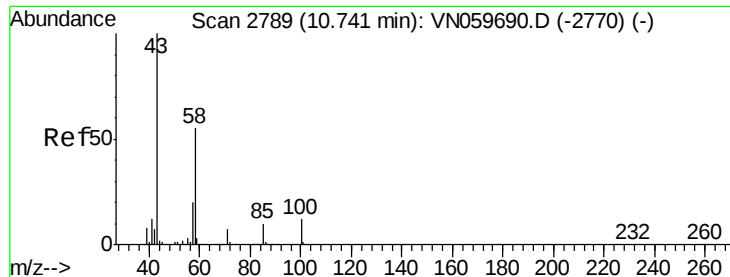
#57
1,3-Dichloropropane
Concen: 1.401 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.06 min
Lab File: VN059975.D
Acq: 3 Feb 2020 15:25

Tgt Ion: 76 Resp: 4317
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 31.928 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN059975.D

Acq: 3 Feb 2020 15:25

Instrument :

MSVOA_N

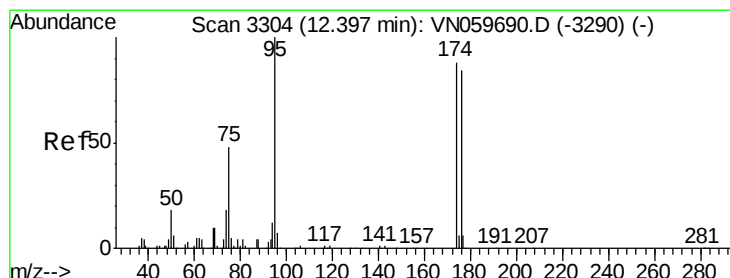
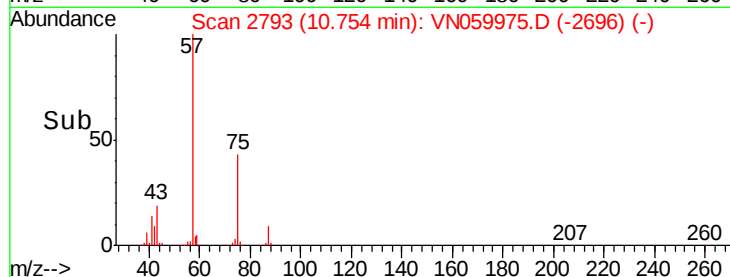
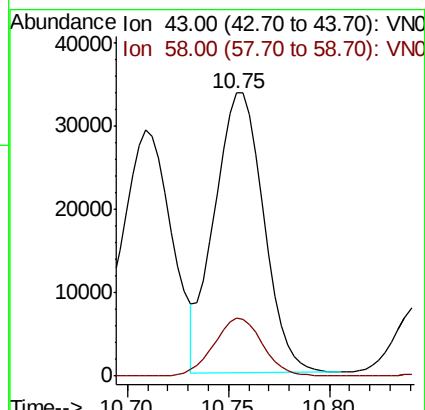
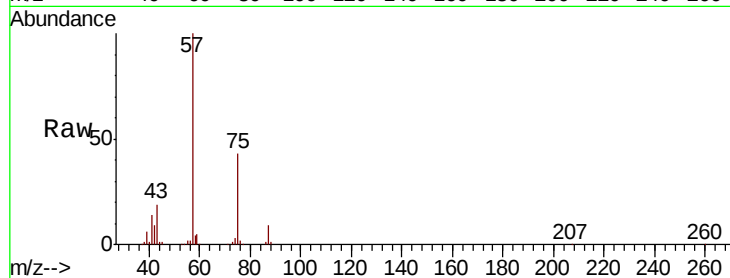
ClientSampleId :

Tot Ion: 43 Resp: 57056

Ion Ratio Lower Upper

43 100

58 20.4 25.8 77.3#



#62

4-Bromofluorobenzene

Concen: 50.941 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059975.D

Acq: 3 Feb 2020 15:25

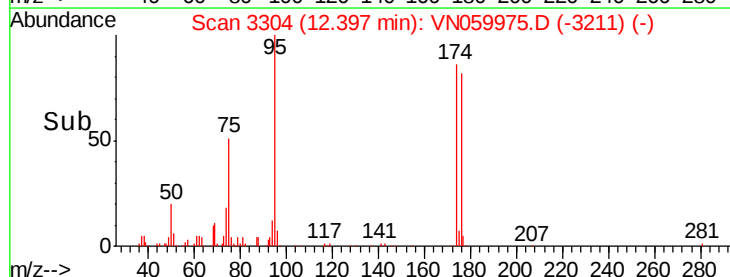
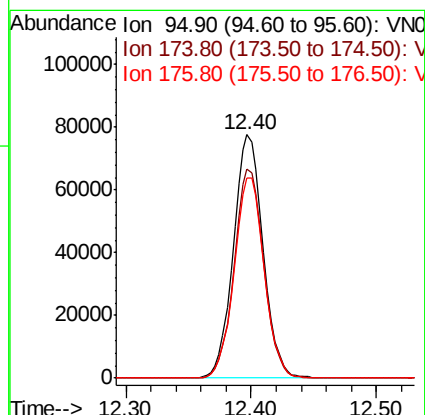
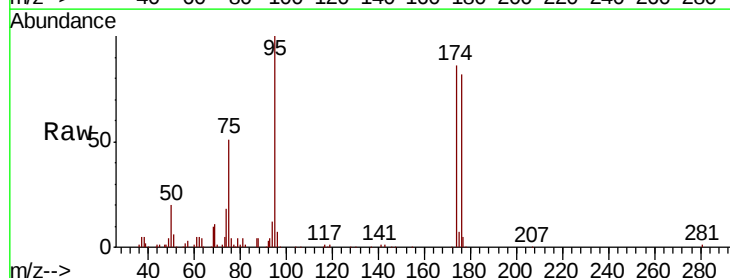
Tgt Ion: 95 Resp: 126734

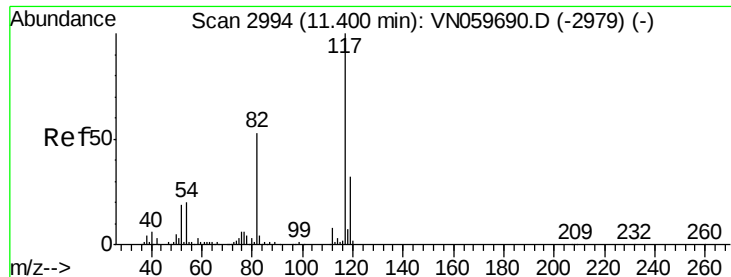
Ion Ratio Lower Upper

95 100

174 86.1 0.0 151.4

176 83.9 0.0 146.0

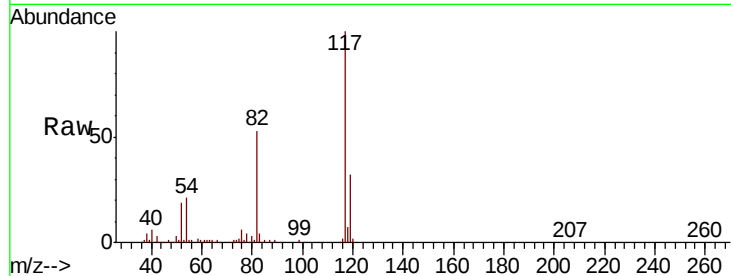




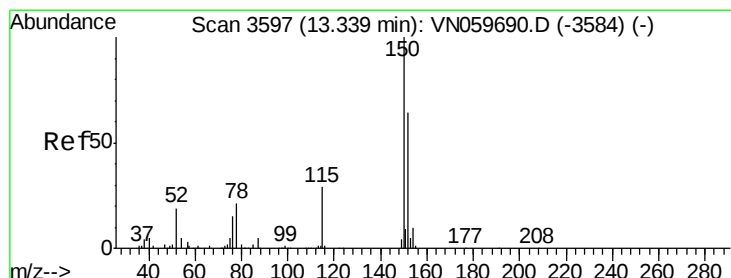
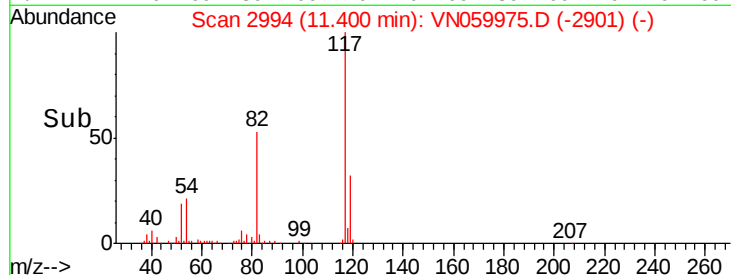
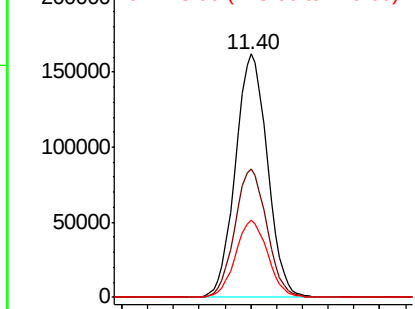
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059975.D
Acq: 3 Feb 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 279193
Ion Ratio Lower Upper
117 100
82 52.6 45.9 68.9
119 31.6 25.5 38.3

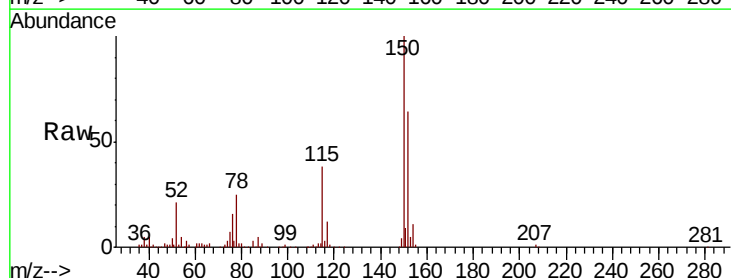


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

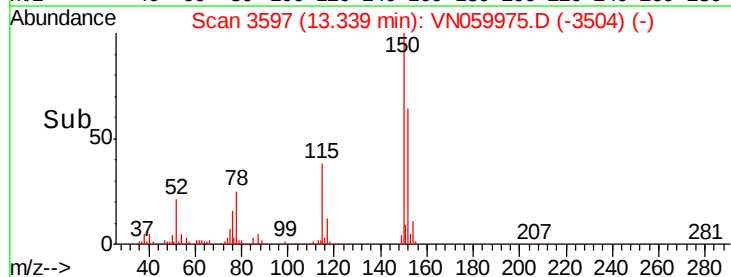
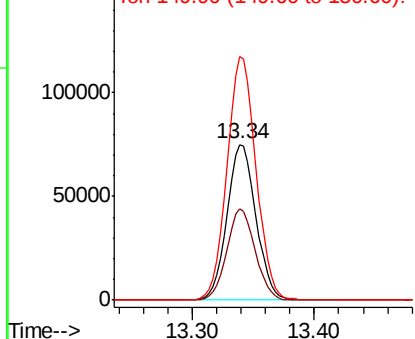


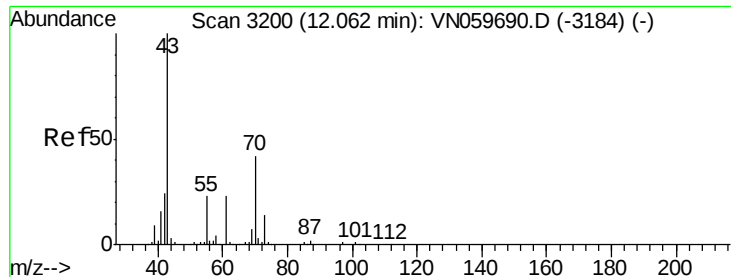
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059975.D
Acq: 3 Feb 2020 15:25

Tgt Ion:152 Resp: 124385
Ion Ratio Lower Upper
152 100
115 57.7 30.3 90.9
150 156.8 0.0 345.2



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: 0.904 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN059975.D

Acq: 3 Feb 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3200

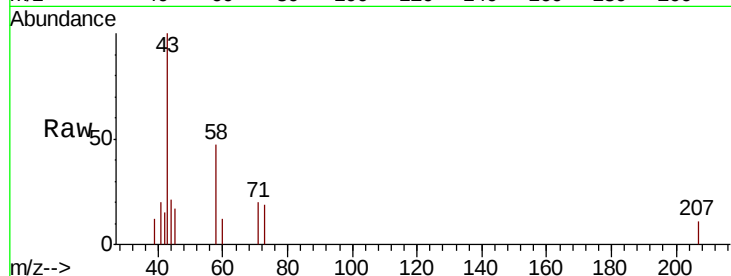
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

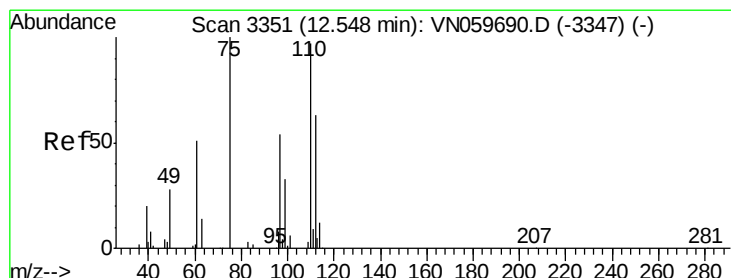
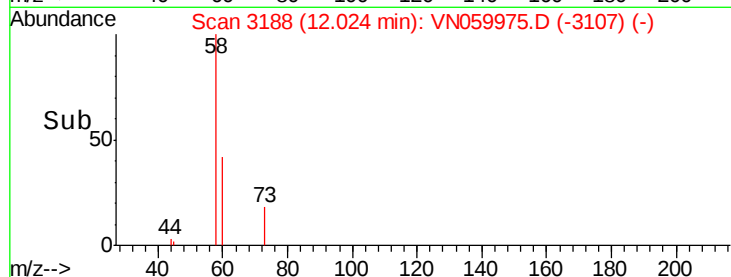
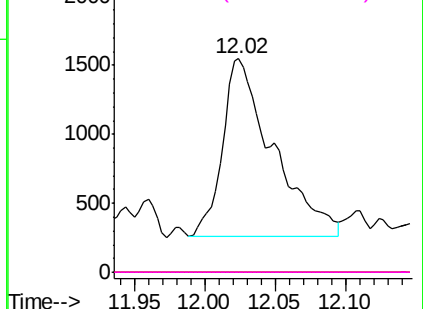


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 31.453 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059975.D

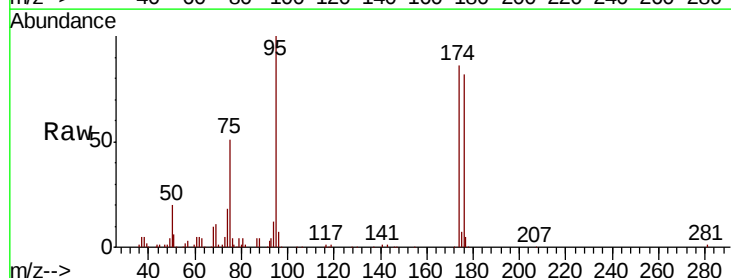
Acq: 3 Feb 2020 15:25

Tgt Ion: 75 Resp: 65840

Ion Ratio Lower Upper

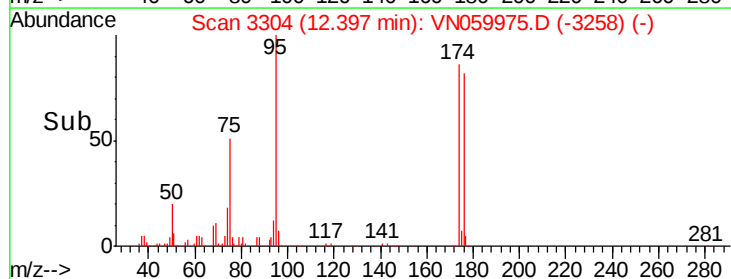
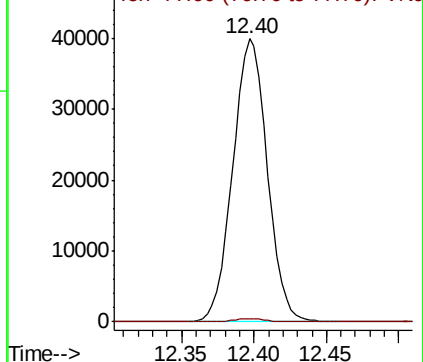
75 100

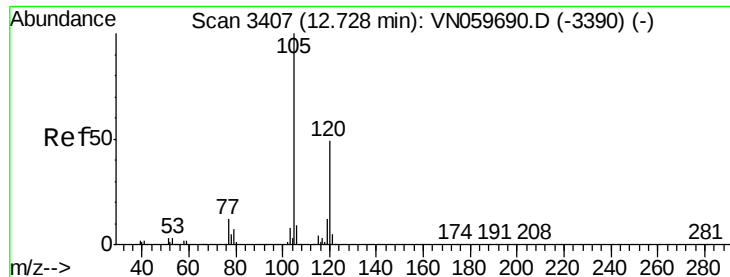
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

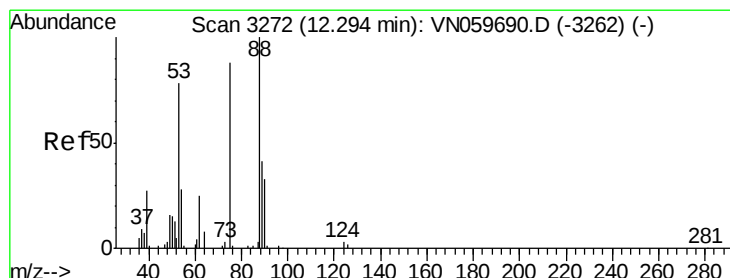
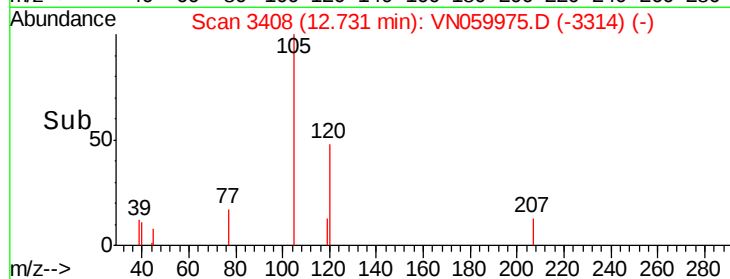
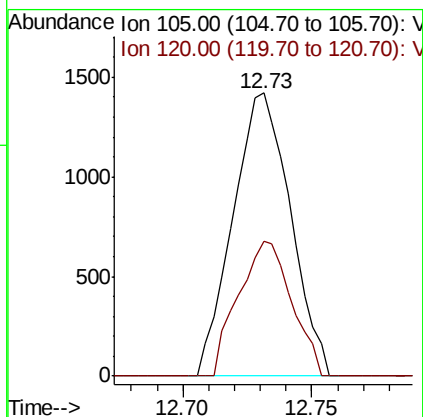
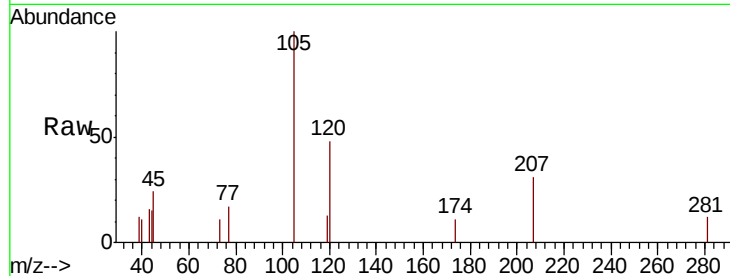




#80
 1,3,5-Trimethylbenzene
 Concen: 0.287 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN059975.D
 Acq: 3 Feb 2020 15:25

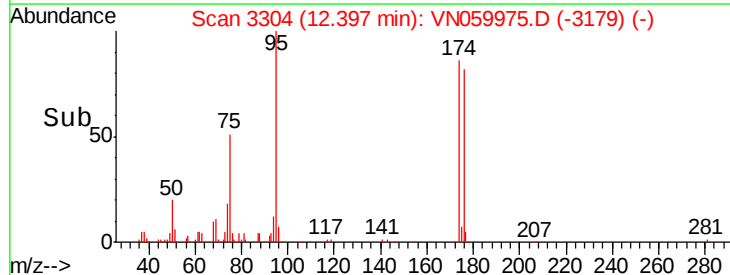
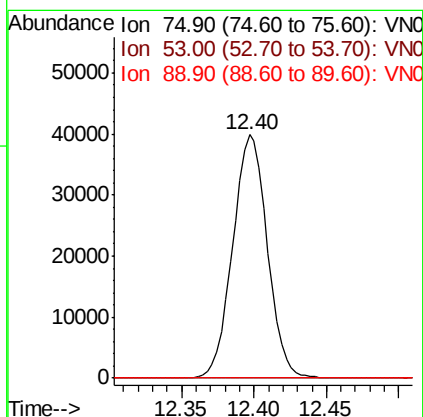
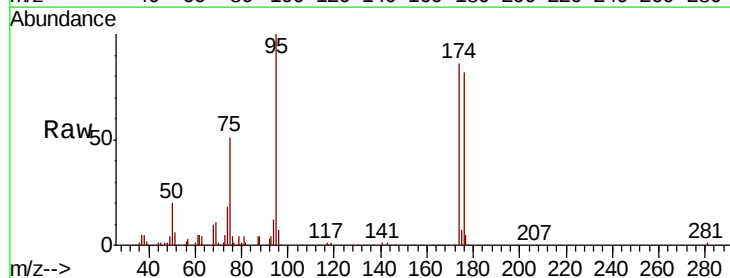
Instrument :
 MSVOA_N
 ClientSampleId :

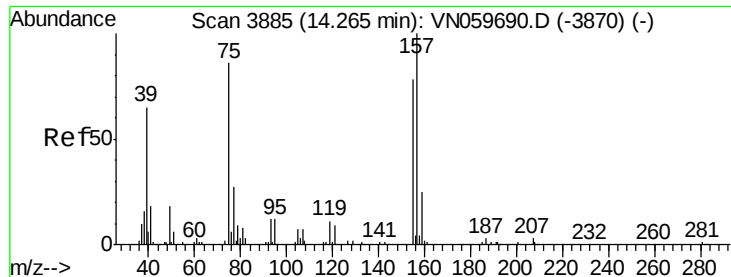
Tot Ion:105 Resp: 2204
 Ion Ratio Lower Upper
 105 100
 120 44.2 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.546 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN059975.D
 Acq: 3 Feb 2020 15:25

Tgt Ion: 75 Resp: 65840
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.1 117.1#
 89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.37 min Scan# 3917

Delta R.T. 0.10 min

Lab File: VN059975.D

Acq: 3 Feb 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

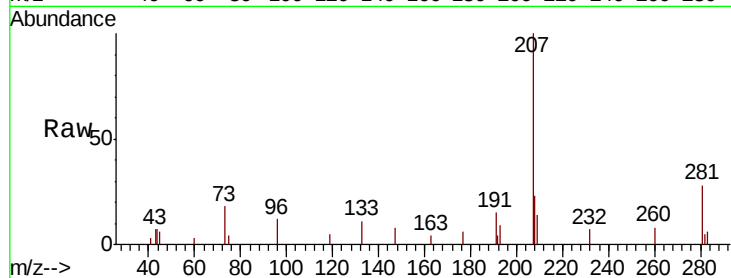
Tot Ion: 75 Resp: 123

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059975.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN059975.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN059975.D (-3791) (-)

