

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060048.D
 Acq On : 10 Feb 2020 15:56
 Operator : JC/MD
 Sample : PB126661ZHE#15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 11 07:09:34 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	204164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	321883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141693	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	120566	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
35) Dibromofluoromethane	7.57	113	98108	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.08	98	396382	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
62) 4-Bromofluorobenzene	12.40	95	142662	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	

Target Compounds

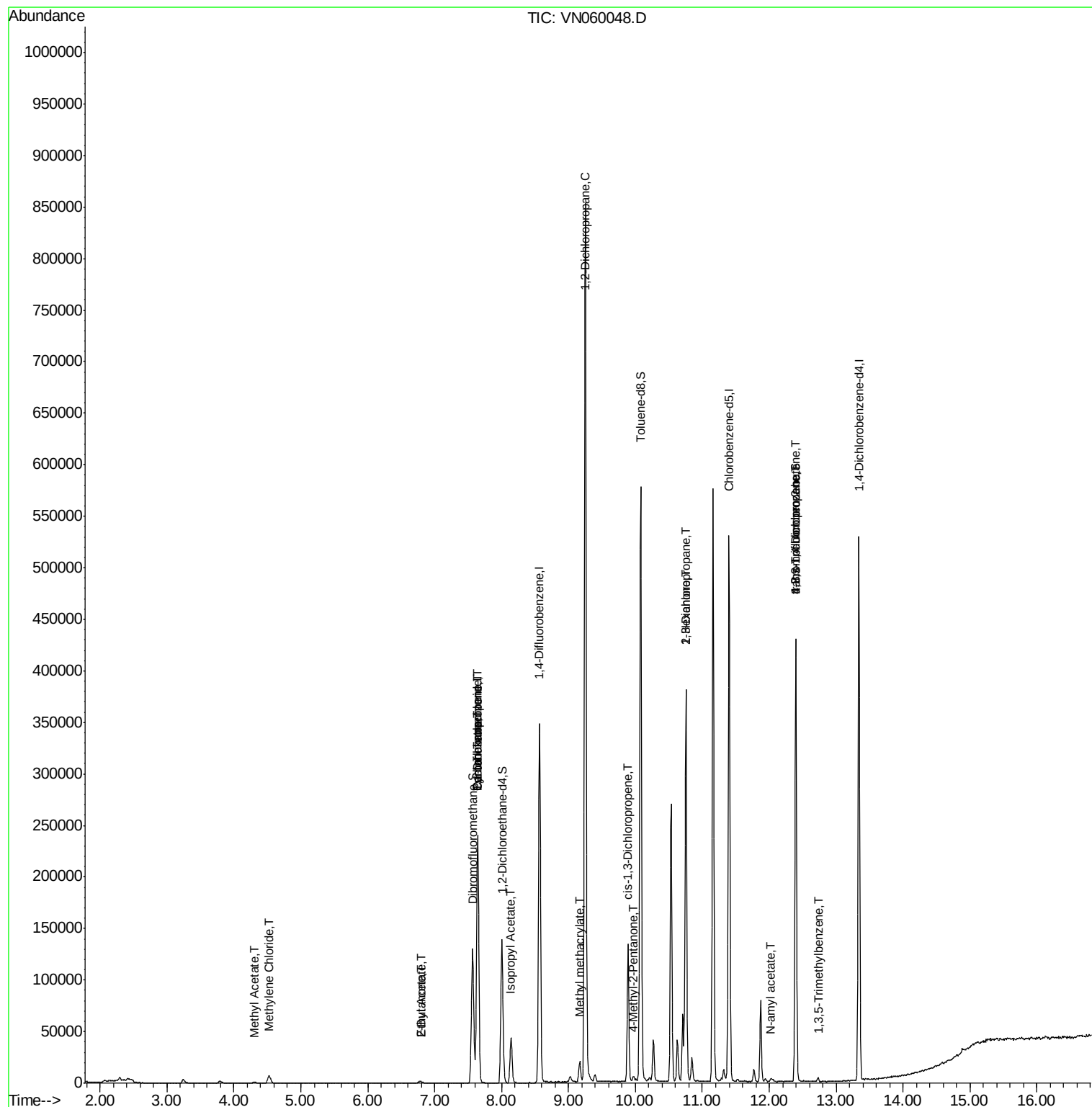
					Qvalue
16) Acetone	3.80	43	4330	Below Cal	98
18) Methyl Acetate	4.30	43	1470	0.555 ug/l #	54
20) Methylene Chloride	4.53	84	6041	1.695 ug/l	87
25) 2-Butanone	6.81	43	618	0.481 ug/l #	50
31) Cyclohexane	7.64	56	3894	1.161 ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14694	5.242 ug/l #	50
37) Ethyl Acetate	6.81	43	618	0.235 ug/l #	69
38) Carbon Tetrachloride	7.64	117	18923	6.206 ug/l #	16
43) Isopropyl Acetate	8.14	43	51440	11.375 ug/l	92
45) 1,2-Dichloropropane	9.25	63	941	0.455 ug/l #	44
48) Methyl methacrylate	9.17	41	3017	1.492 ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3532	1.351 ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	24422	7.069 ug/l #	61
57) 1,3-Dichloropropane	10.75	76	3857	1.162 ug/l #	42
59) 2-Hexanone	10.75	43	54880	28.497 ug/l #	56
74) N-amyl acetate	12.02	43	1731	0.429 ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	73369	30.768 ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2211	0.253 ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	73369	66.075 ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.25	75	29	Below Cal #	6

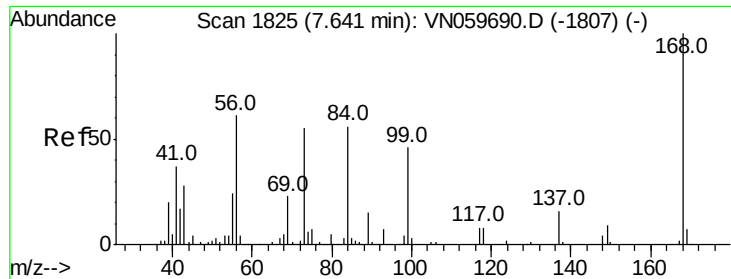
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060048.D

Acq: 10 Feb 2020 15:56

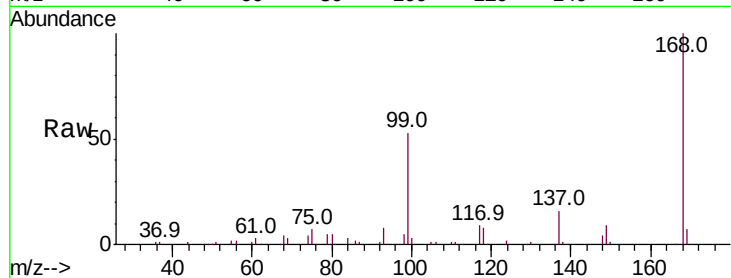
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 204164

Ion Ratio Lower Upper

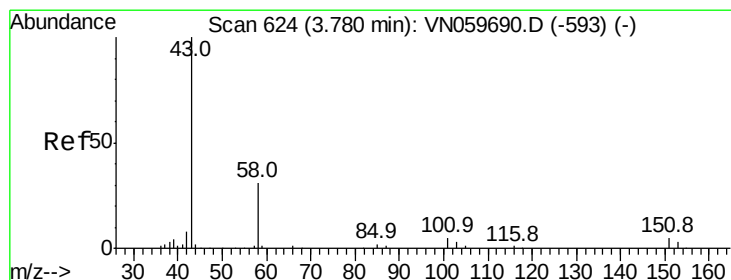
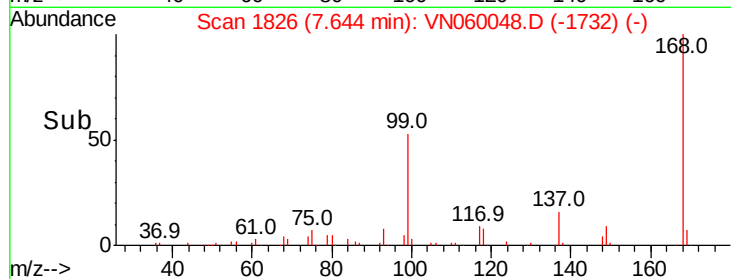
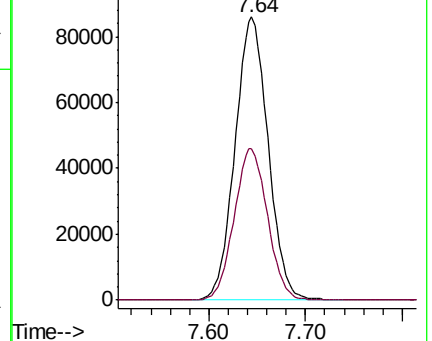
168 100

99 53.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN060048.D

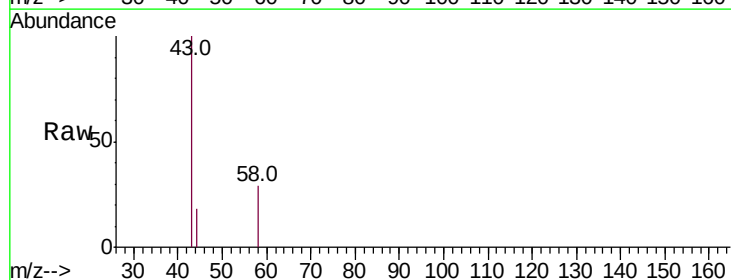
Acq: 10 Feb 2020 15:56

Tgt Ion: 43 Resp: 4330

Ion Ratio Lower Upper

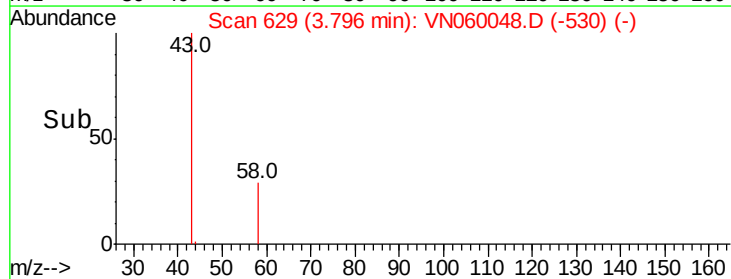
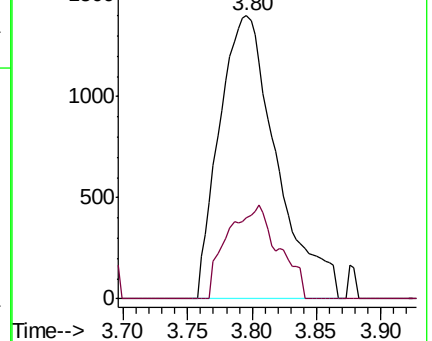
43 100

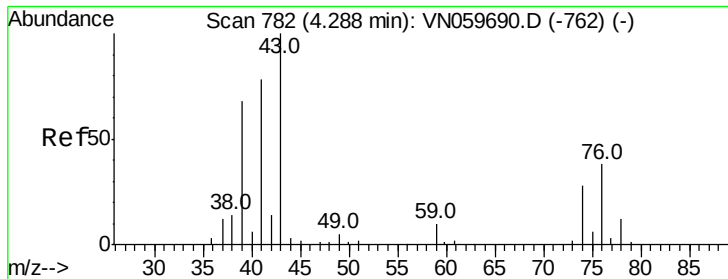
58 28.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

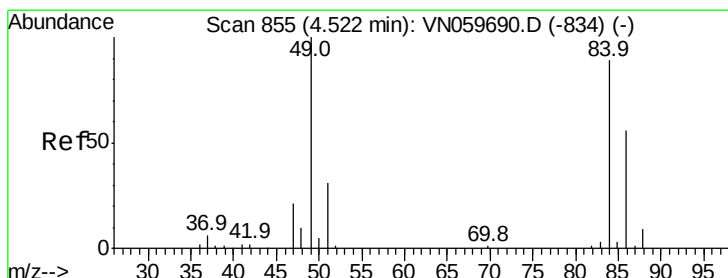
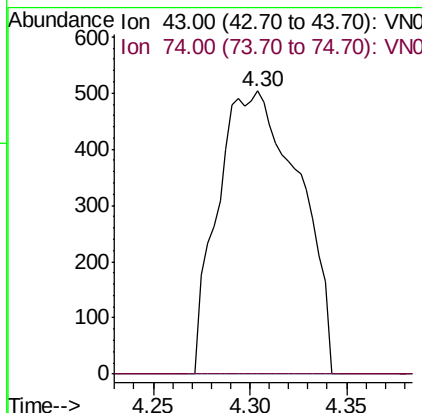
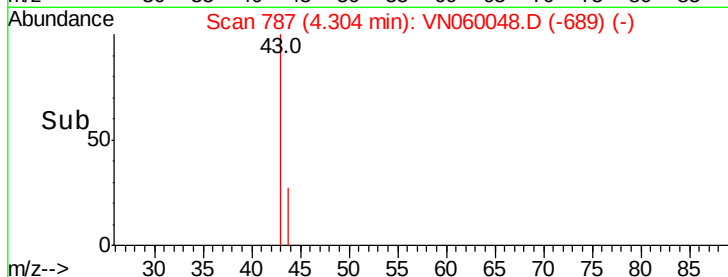
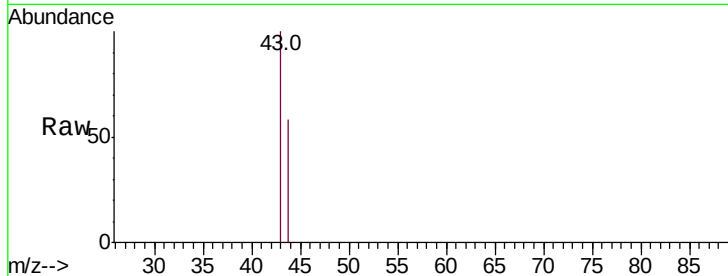




#18
Methyl Acetate
Concen: 0.555 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN060048.D
Acq: 10 Feb 2020 15:56

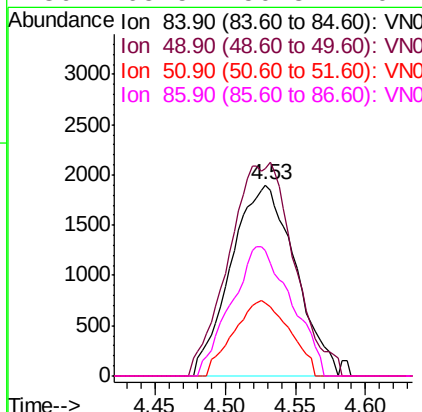
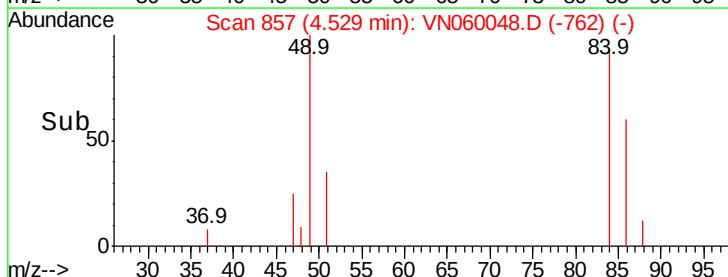
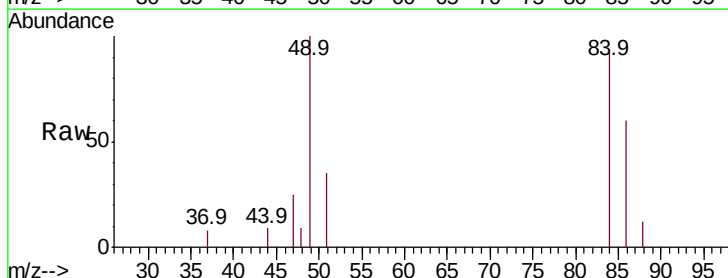
Instrument :
MSVOA_N
ClientSampleId :

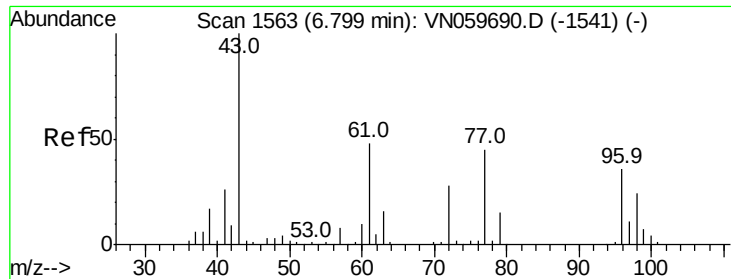
Tot Ion: 43 Resp: 1470
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.695 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060048.D
Acq: 10 Feb 2020 15:56

Tgt Ion: 84 Resp: 6041
Ion Ratio Lower Upper
84 100
49 108.6 106.6 160.0
51 38.4 31.9 47.9
86 65.5 50.8 76.2

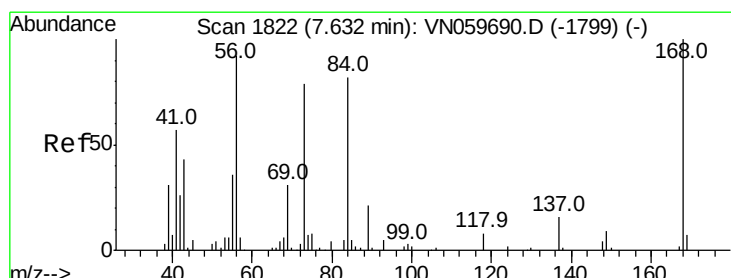
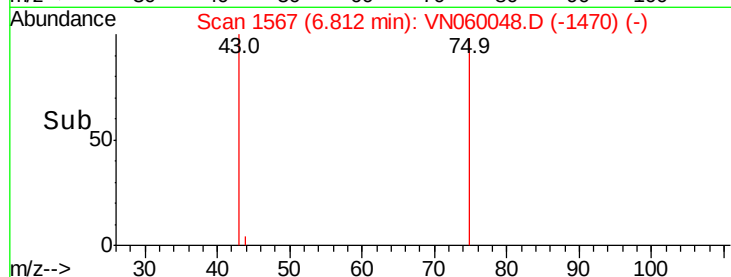
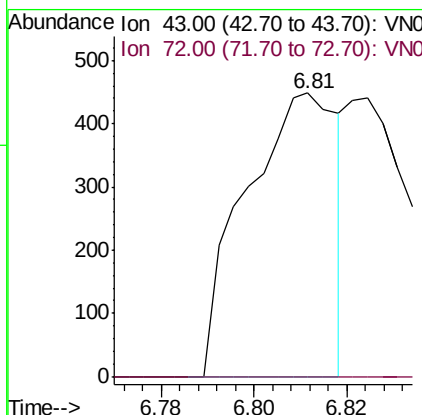
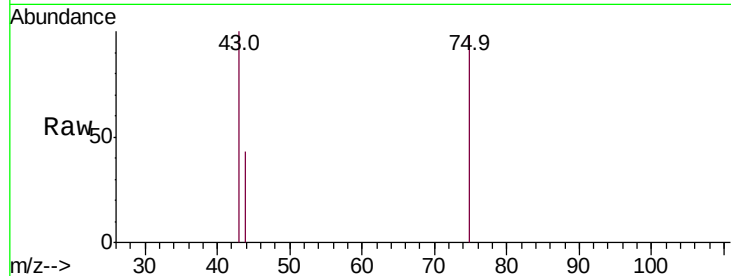




#25
2-Butanone
Concen: 0.481 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN060048.D
Acq: 10 Feb 2020 15:56

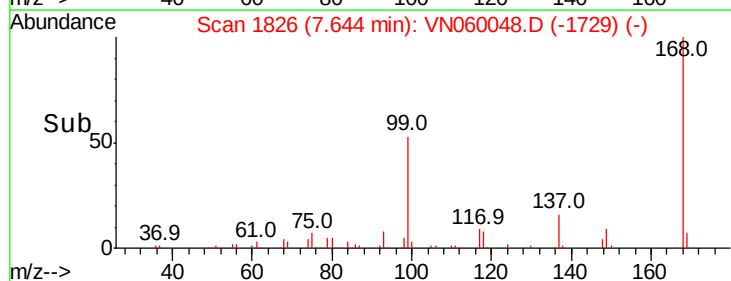
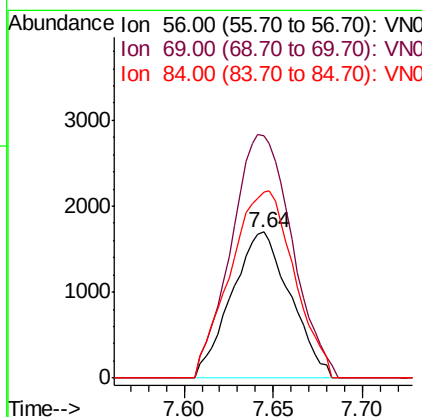
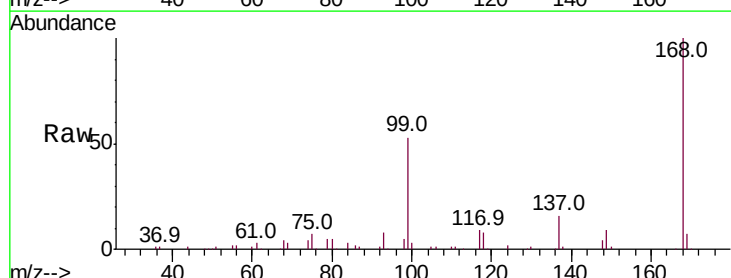
Instrument :
MSVOA_N
ClientSampled :

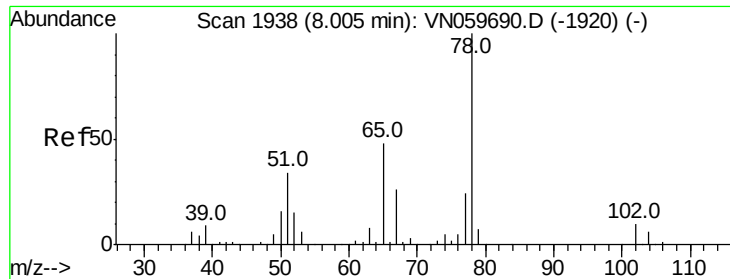
Tot Ion: 43 Resp: 618
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.161 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060048.D
Acq: 10 Feb 2020 15:56

Tgt Ion: 56 Resp: 3894
Ion Ratio Lower Upper
56 100
69 166.2 26.5 39.7#
84 127.3 65.3 97.9#

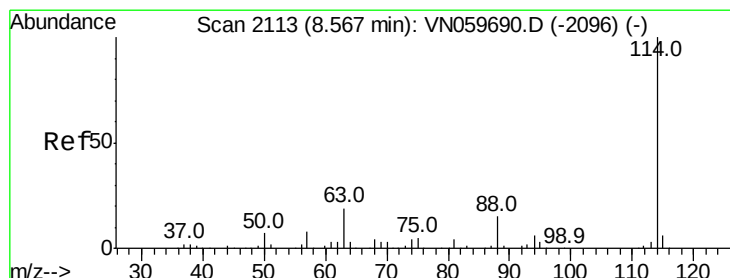
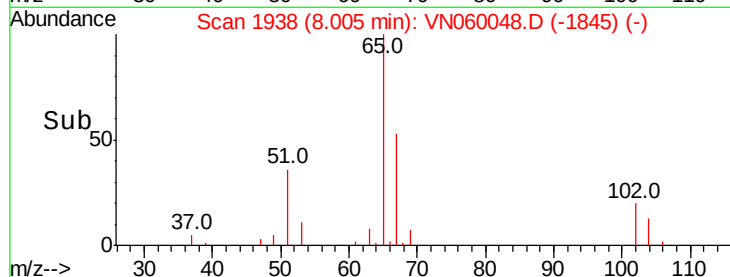
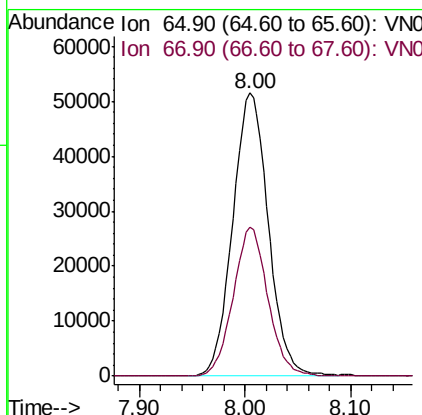
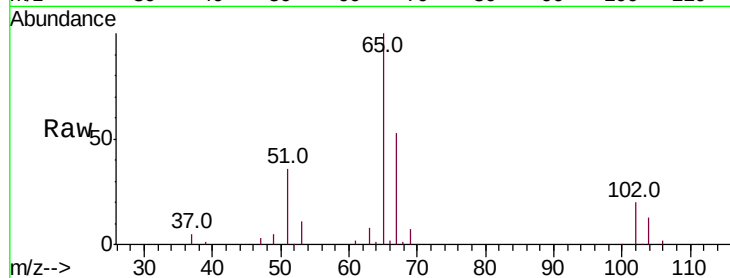




#33
 1,2-Dichloroethane-d4
 Concen: 53.176 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060048.D
 Acq: 10 Feb 2020 15:56

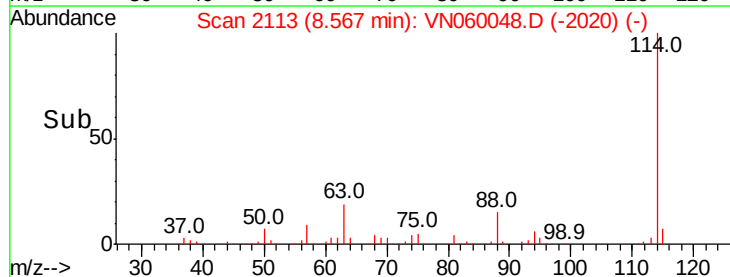
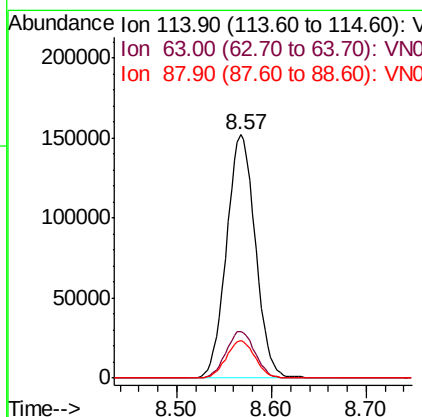
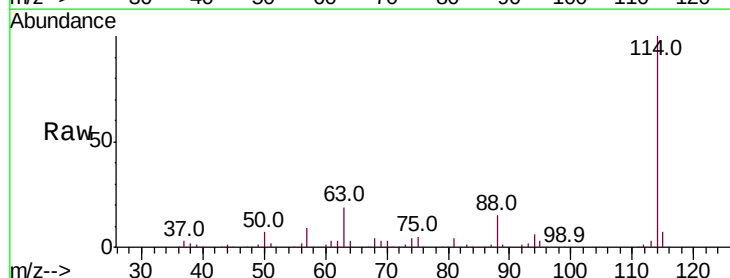
Instrument :
 MSVOA_N
 ClientSampleId :

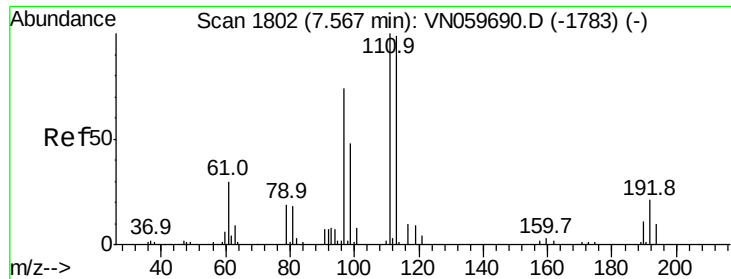
Tot Ion: 65 Resp: 120566
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060048.D
 Acq: 10 Feb 2020 15:56

Tgt Ion: 114 Resp: 321883
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 43.6
 88 15.2 0.0 31.4

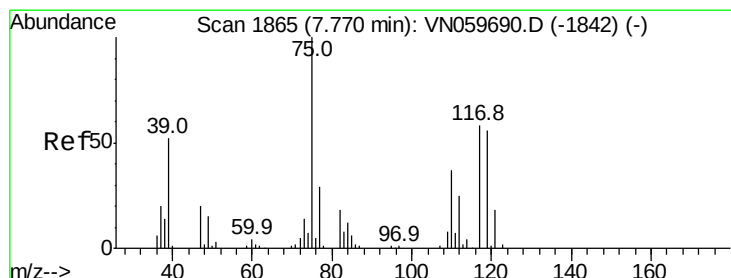
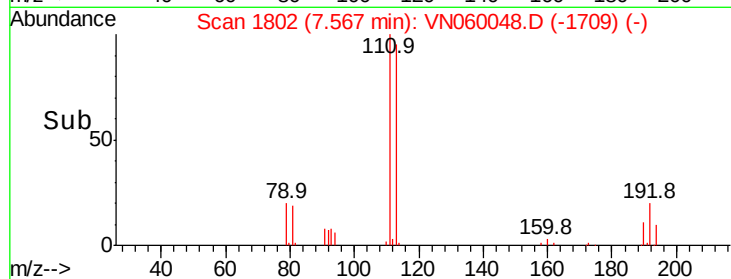
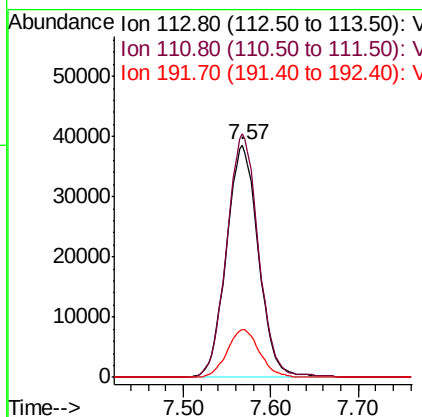
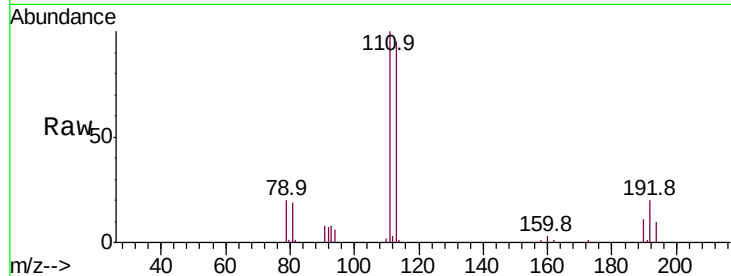




#35
 Dibromofluoromethane
 Concen: 51.110 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060048.D
 Acq: 10 Feb 2020 15:56

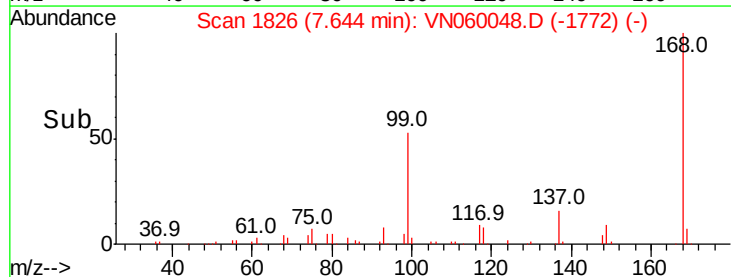
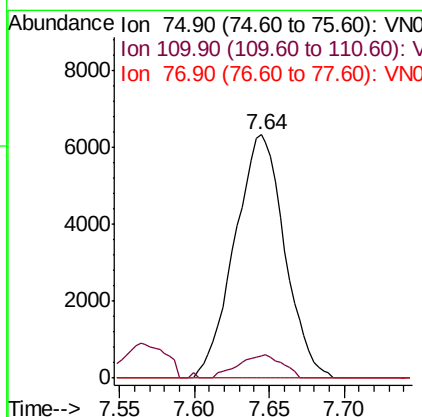
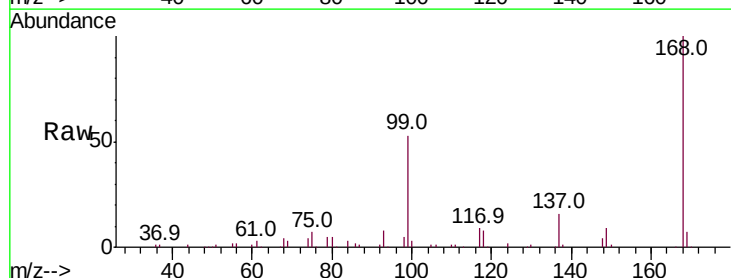
Instrument :
 MSVOA_N
 ClientSampled :

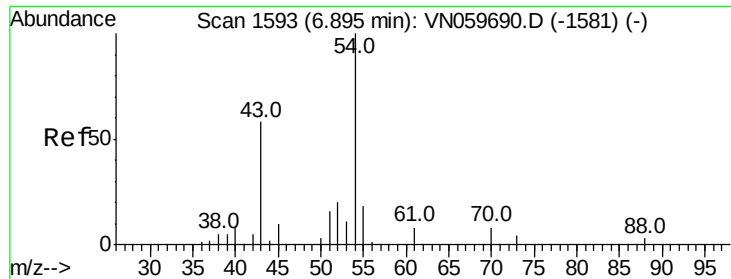
Tot Ion:113 Resp: 98108
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.5 125.3
 192 20.7 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.242 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060048.D
 Acq: 10 Feb 2020 15:56

Tgt Ion: 75 Resp: 14694
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.6 49.7#
 77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.235 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.08 min

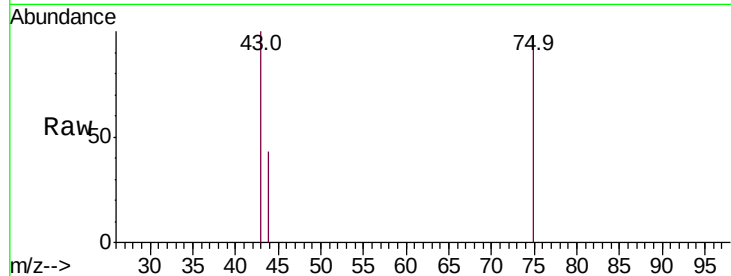
Lab File: VN060048.D

Acq: 10 Feb 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 618

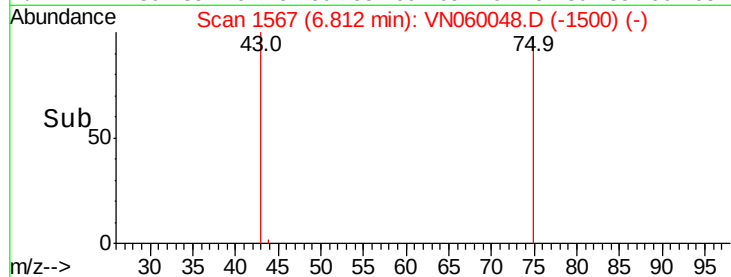
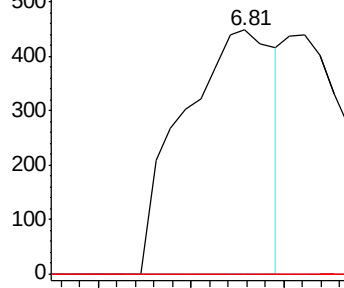
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	7.7	11.5#



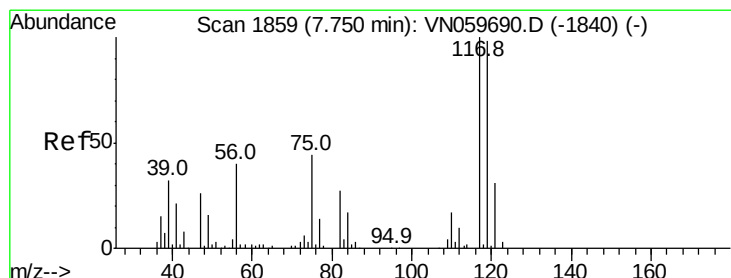
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



Time-->



#38

Carbon Tetrachloride

Concen: 6.206 ug/l

RT: 7.64 min Scan# 1825

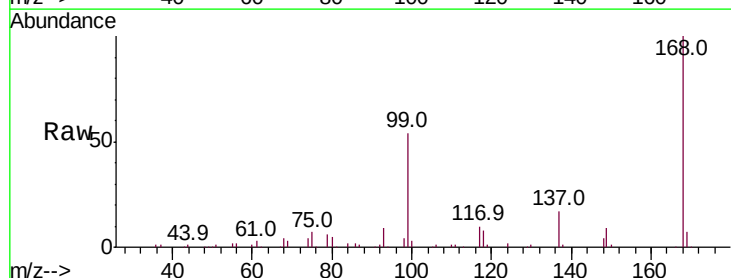
Delta R.T. -0.11 min

Lab File: VN060048.D

Acq: 10 Feb 2020 15:56

Tgt Ion: 117 Resp: 18923

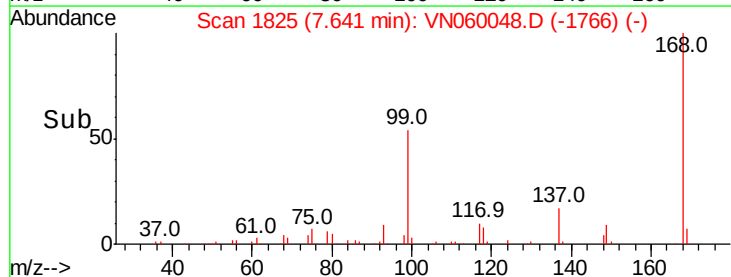
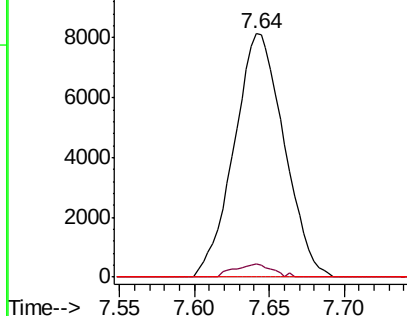
Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.5	114.7#
121	0.0	25.1	37.7#

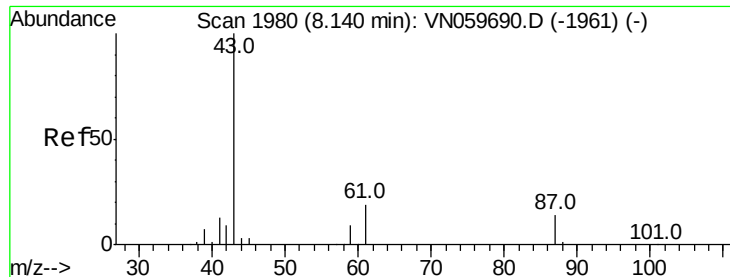


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 11.375 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060048.D

Acq: 10 Feb 2020 15:56

Instrument :
MSVOA_N
ClientSampled :

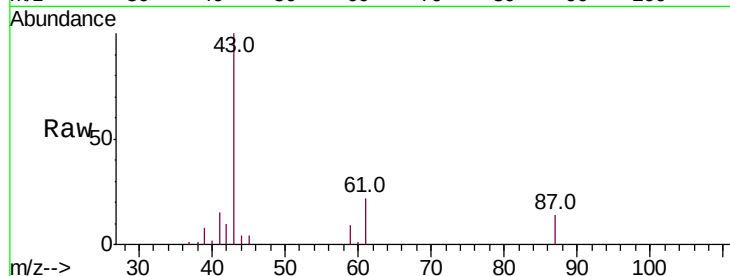
Tot Ion: 43 Resp: 51440

Ion Ratio Lower Upper

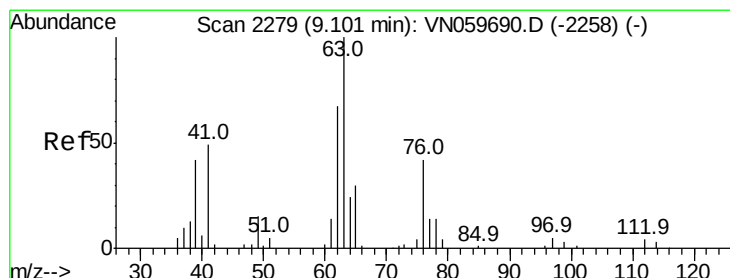
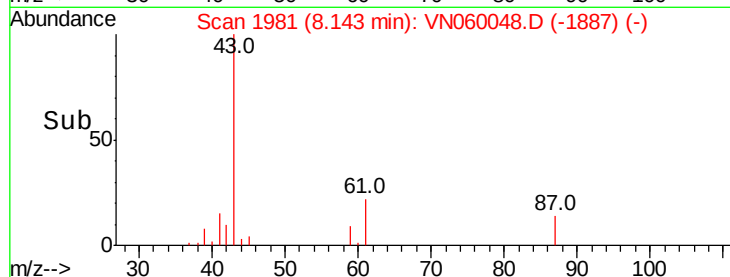
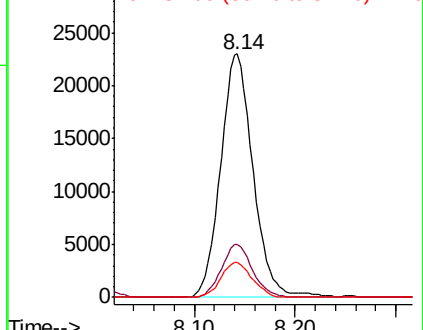
43 100

61 20.7 20.2 30.2

87 13.8 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#45

1,2-Dichloropropane

Concen: 0.455 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060048.D

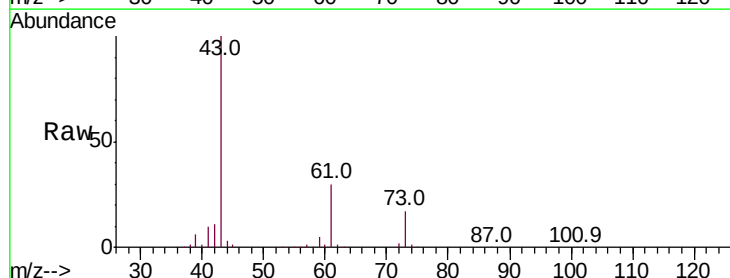
Acq: 10 Feb 2020 15:56

Tgt Ion: 63 Resp: 941

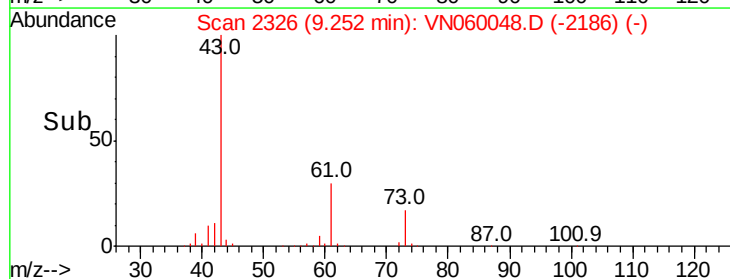
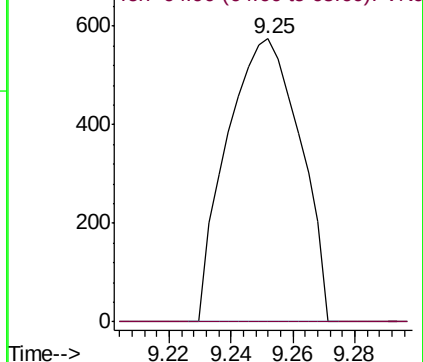
Ion Ratio Lower Upper

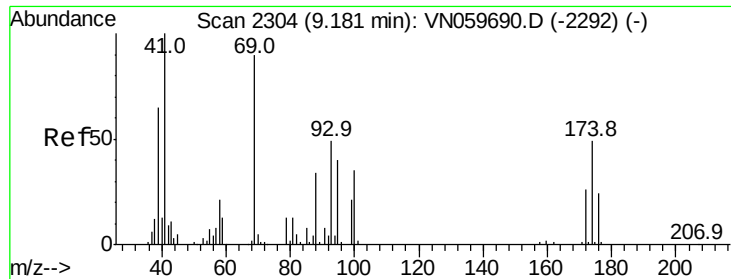
63 100

65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO

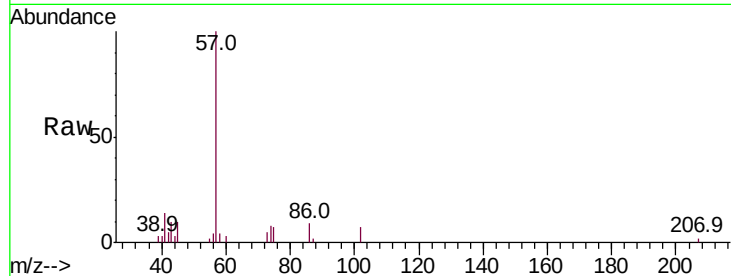




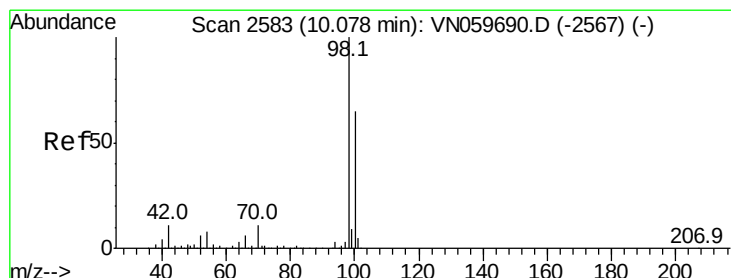
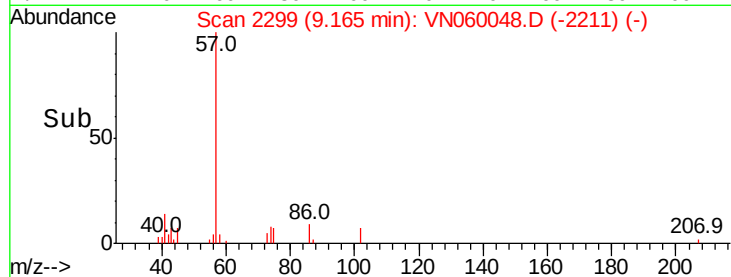
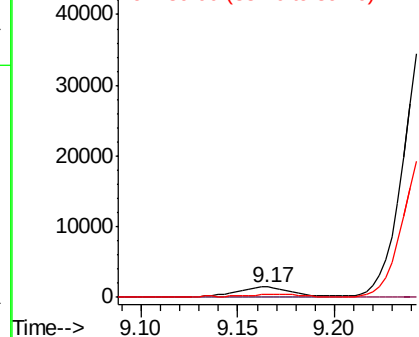
#48
Methvl methacrylate
Concen: 1.492 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN060048.D
Acq: 10 Feb 2020 15:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 3017
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#

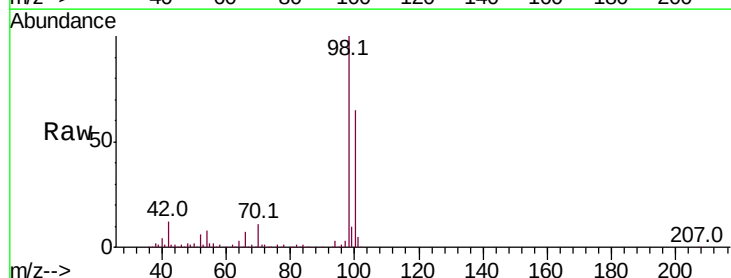


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

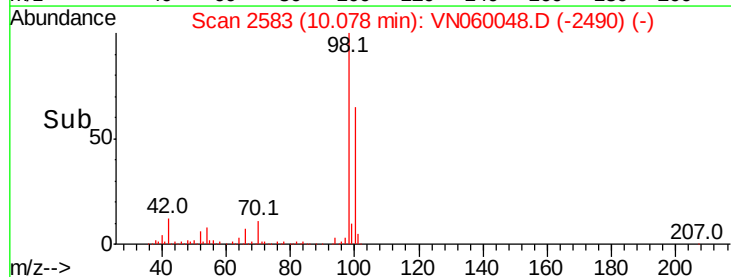
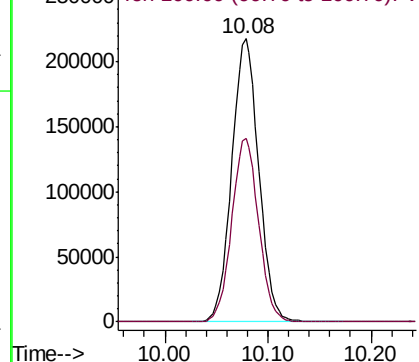


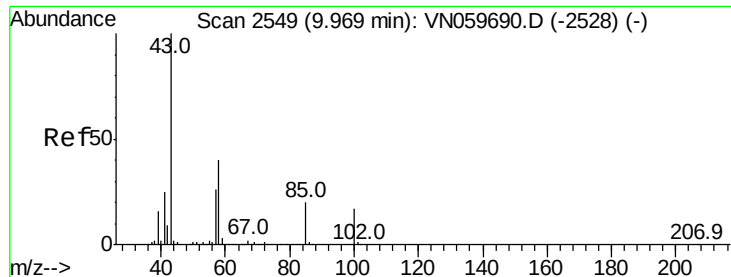
#50
Toluene-d8
Concen: 53.297 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060048.D
Acq: 10 Feb 2020 15:56

Tgt Ion: 98 Resp: 396382
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



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

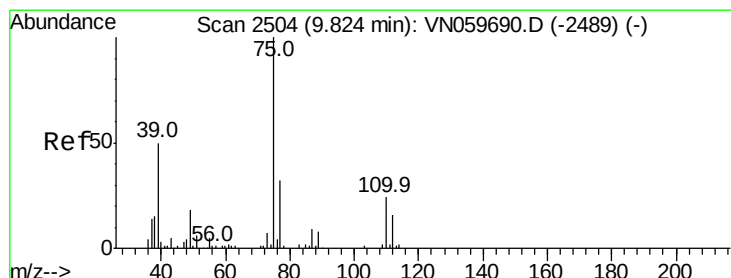
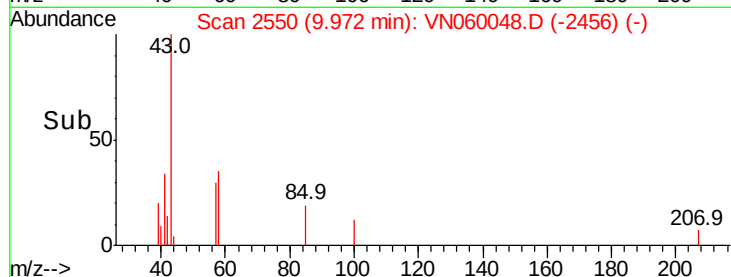
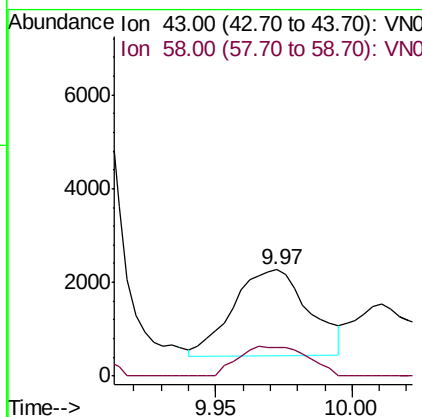
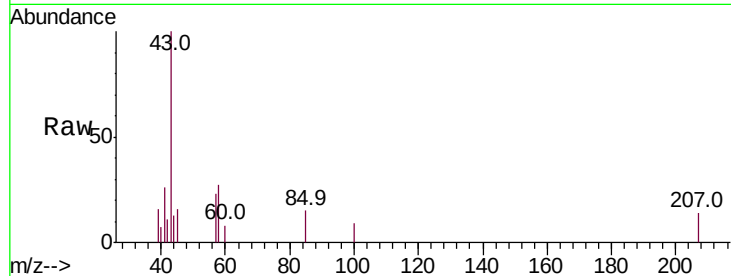




#51
 4-Methyl-2-Pentanone
 Concen: 1.351 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN060048.D
 Acq: 10 Feb 2020 15:56

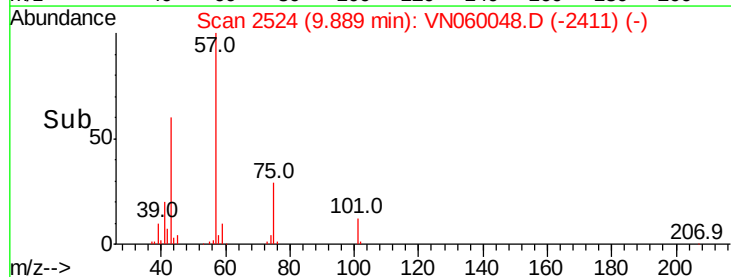
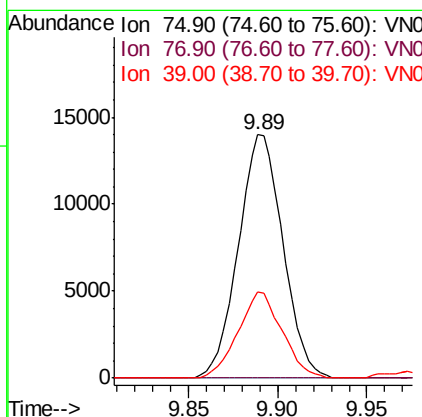
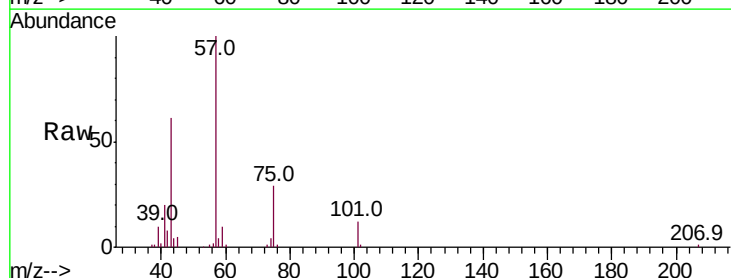
Instrument :
 MSVOA_N
 ClientSampled :

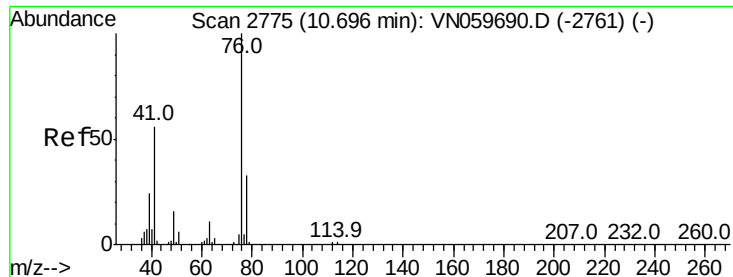
Tot Ion: 43 Resp: 3532
 Ion Ratio Lower Upper
 43 100
 58 32.0 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 7.069 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060048.D
 Acq: 10 Feb 2020 15:56

Tgt Ion: 75 Resp: 24422
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 35.5 46.1 69.1#





#57

1,3-Dichloropropane

Concen: 1.162 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

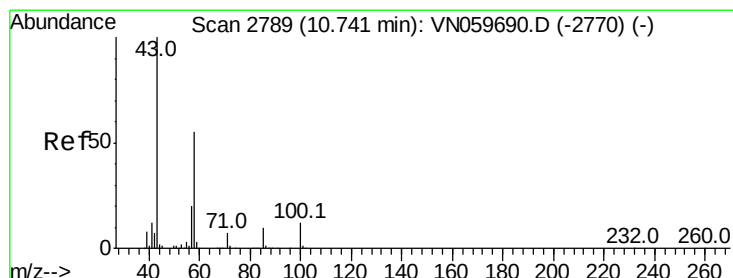
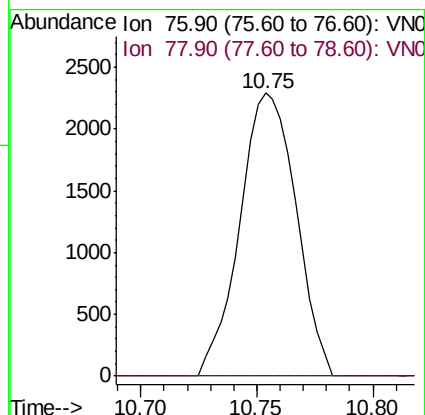
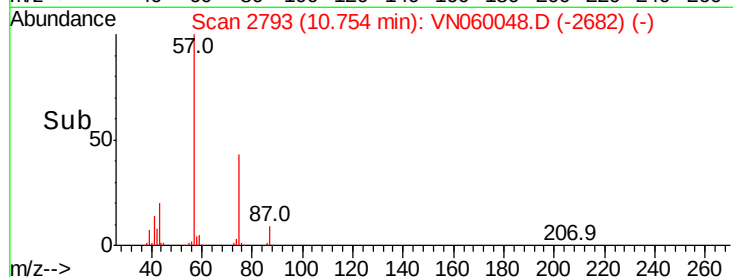
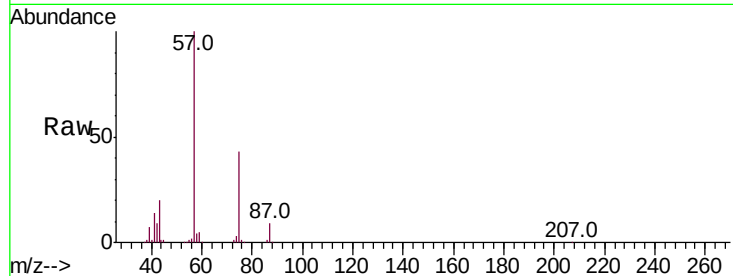
Lab File: VN060048.D

Acq: 10 Feb 2020 15:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 3857

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.8#



#59

2-Hexanone

Concen: 28.497 ug/l

RT: 10.75 min Scan# 2793

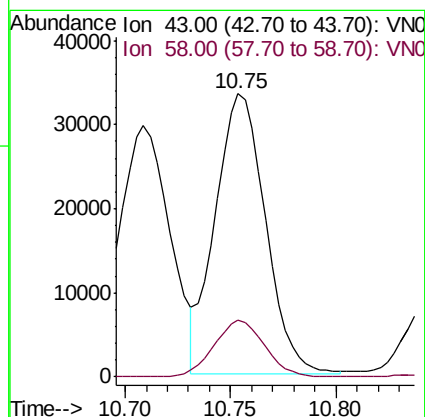
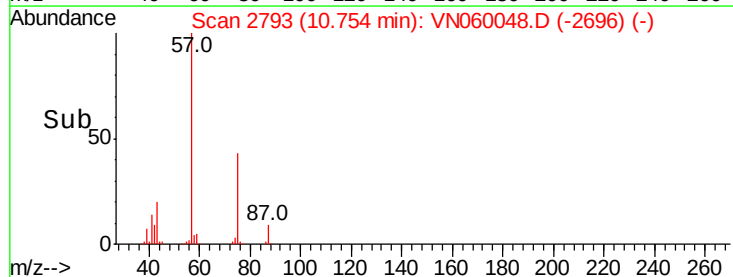
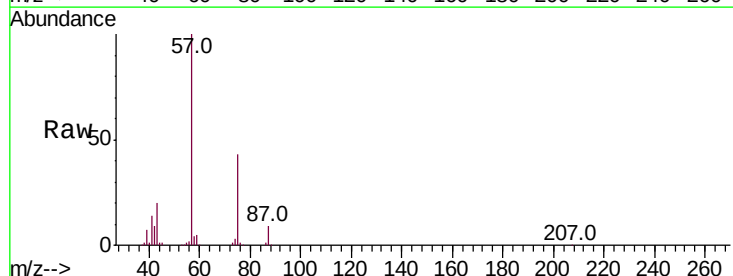
Delta R.T. 0.01 min

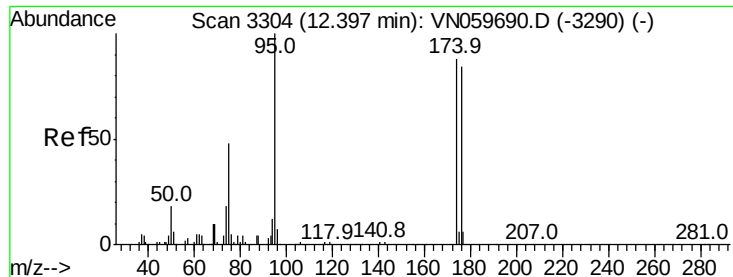
Lab File: VN060048.D

Acq: 10 Feb 2020 15:56

Tgt Ion: 43 Resp: 54880

Ion	Ratio	Lower	Upper
43	100		
58	20.4	25.8	77.3#





#62

4-Bromofluorobenzene

Concen: 53.210 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060048.D

Acq: 10 Feb 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

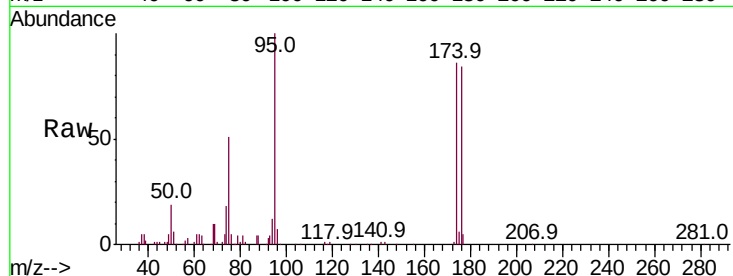
Tot Ion: 95 Resp: 142662

Ion Ratio Lower Upper

95 100

174 86.6 0.0 151.4

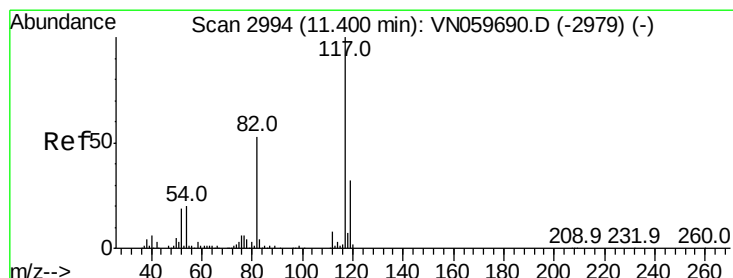
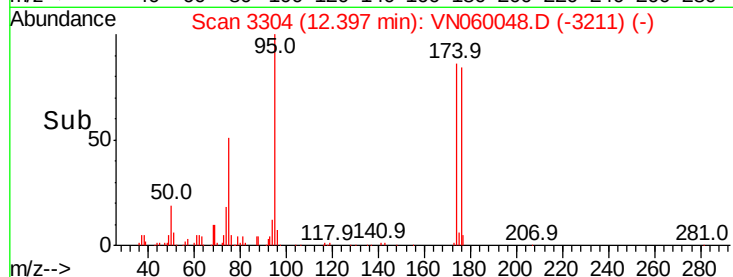
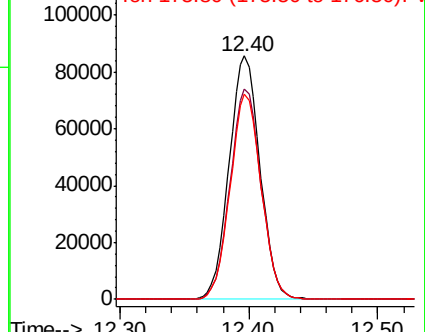
176 84.4 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN060048.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060048.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060048.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060048.D

Acq: 10 Feb 2020 15:56

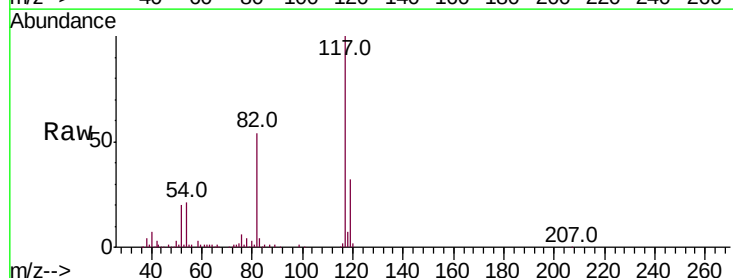
Tgt Ion: 117 Resp: 307228

Ion Ratio Lower Upper

117 100

82 54.2 45.9 68.9

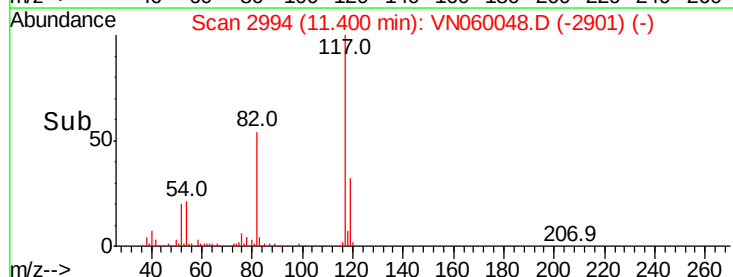
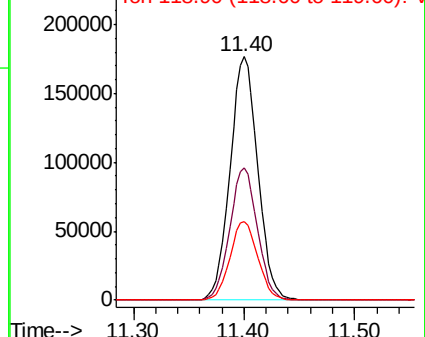
119 32.2 25.5 38.3

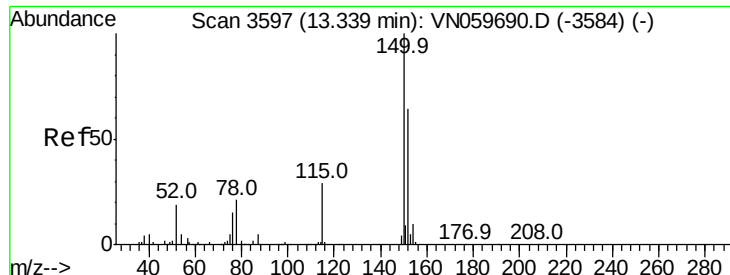


Abundance Ion 116.90 (116.60 to 117.60): VN060048.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060048.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060048.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060048.D

Acq: 10 Feb 2020 15:56

Instrument :

MSVOA_N

ClientSampleId :

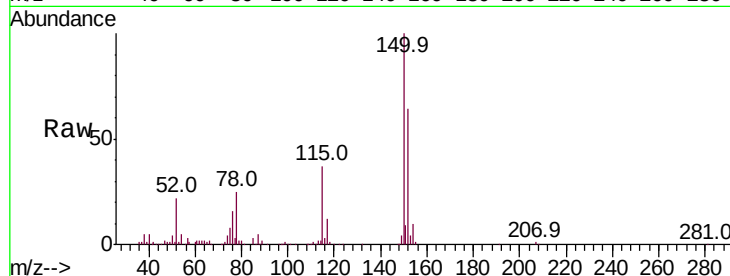
Tot Ion:152 Resp: 141693

Ion Ratio Lower Upper

152 100

115 58.1 30.3 90.9

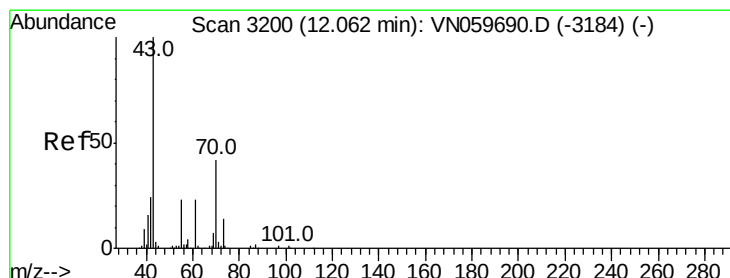
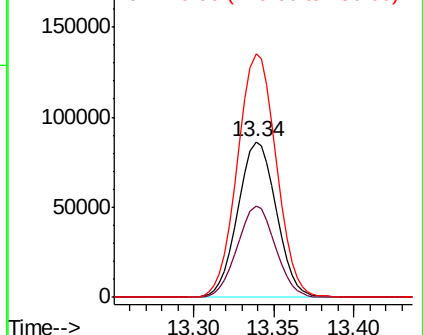
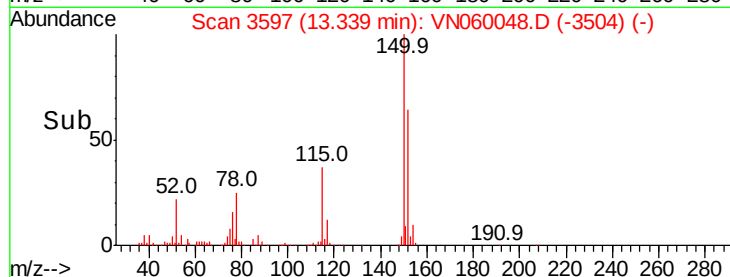
150 157.8 0.0 345.2



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-ethyl acetate

Concen: 0.429 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060048.D

Acq: 10 Feb 2020 15:56

Tgt Ion: 43 Resp: 1731

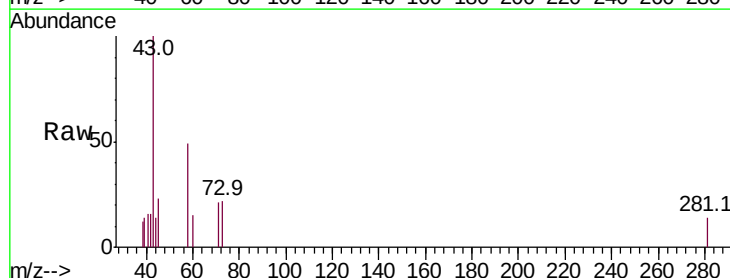
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

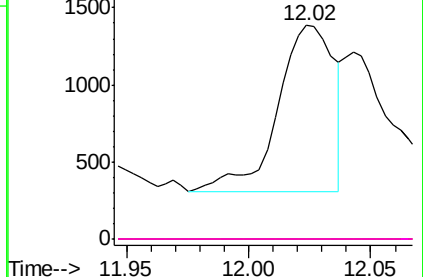
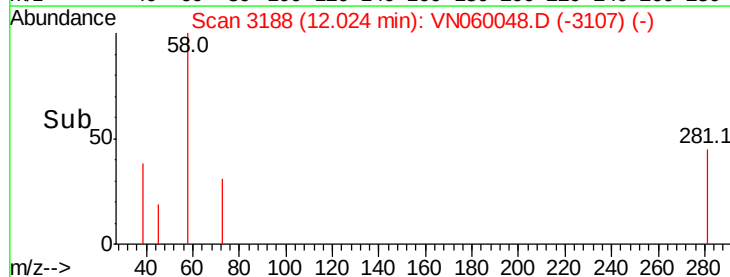


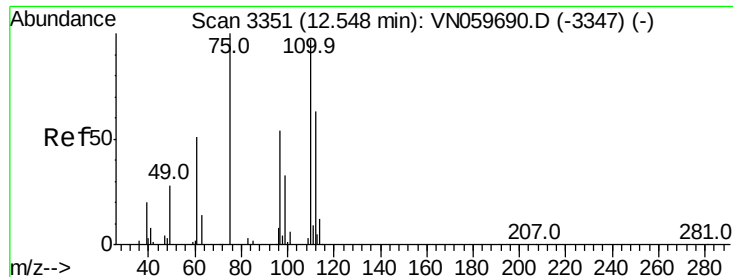
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 30.768 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060048.D

Acq: 10 Feb 2020 15:56

Instrument :

MSVOA_N

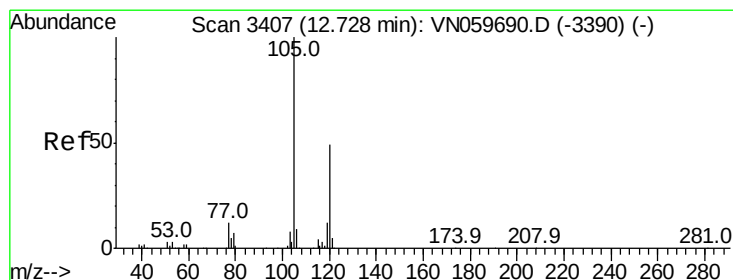
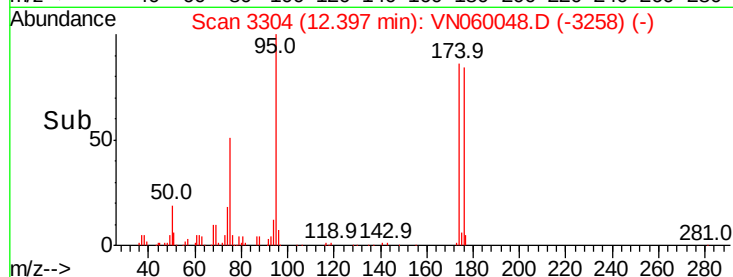
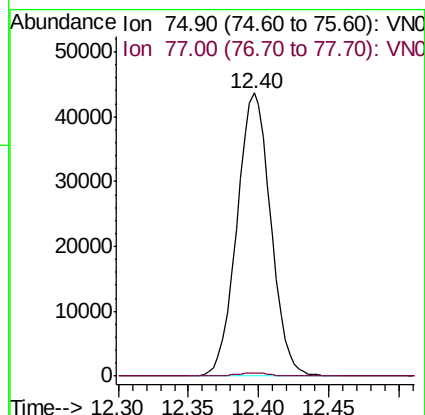
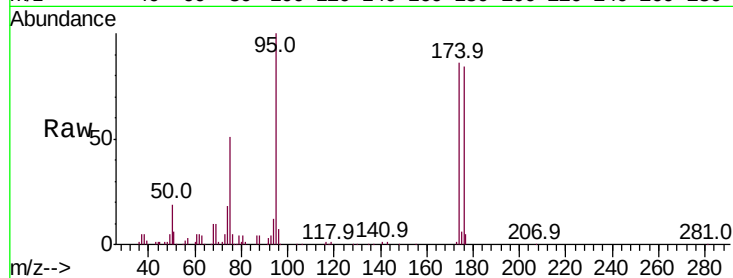
ClientSampled :

Tot Ion: 75 Resp: 73369

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.253 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060048.D

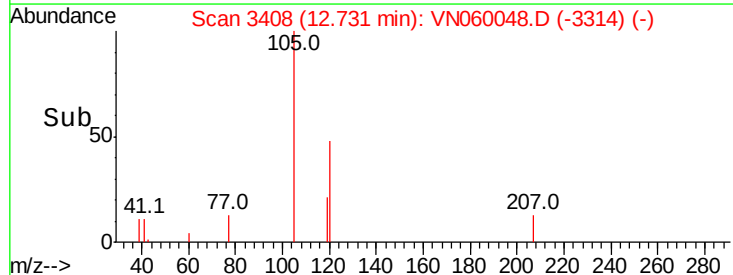
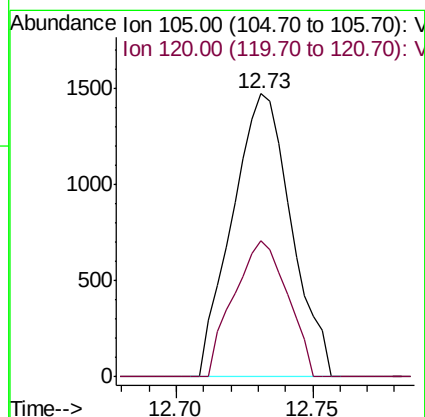
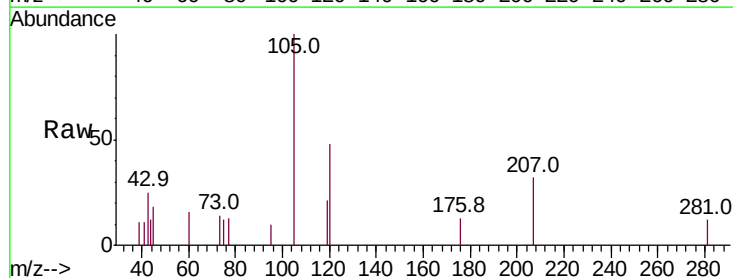
Acq: 10 Feb 2020 15:56

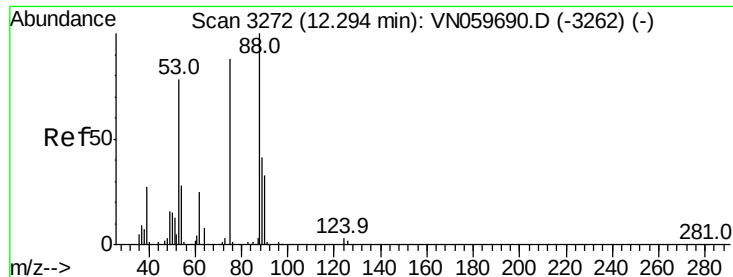
Tgt Ion: 105 Resp: 2211

Ion Ratio Lower Upper

105 100

120 43.9 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 66.075 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060048.D

Acq: 10 Feb 2020 15:56

Instrument :

MSVOA_N

ClientSampled :

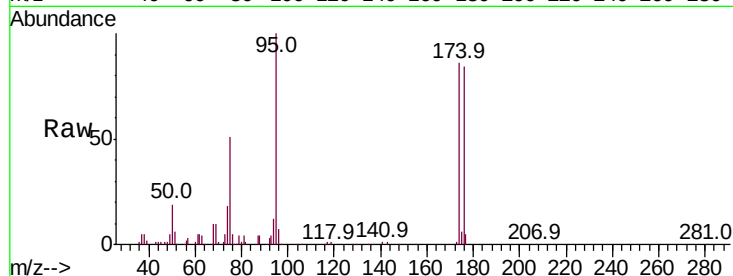
Tot Ion: 75 Resp: 73369

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

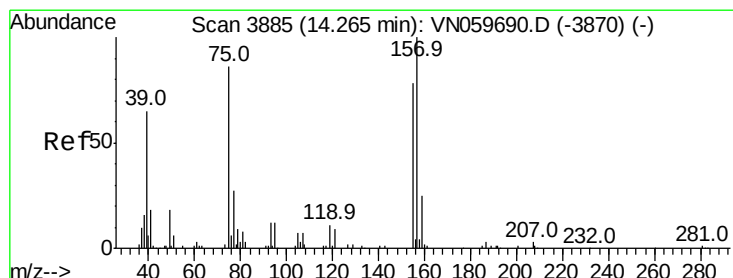
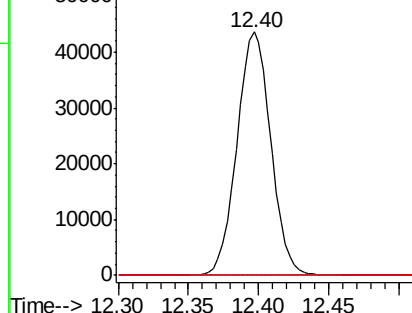
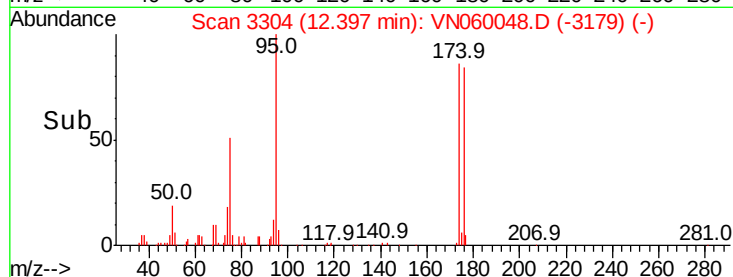
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN060048.D

Acq: 10 Feb 2020 15:56

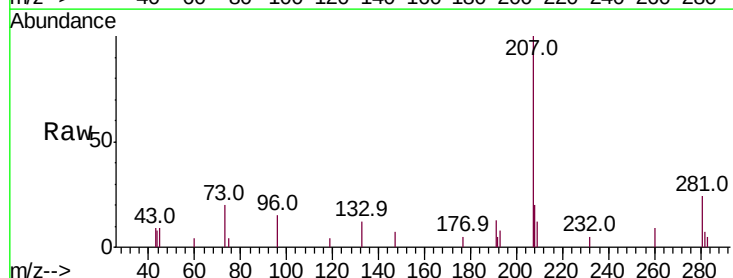
Tgt Ion: 75 Resp: 29

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): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

