

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060049.D
 Acq On : 10 Feb 2020 16:19
 Operator : JC/MD
 Sample : PB126661ZHE#16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 11 07:09:44 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	205169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	318237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	302958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139359	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	117807	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
35) Dibromofluoromethane	7.57	113	96293	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.08	98	387363	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
62) 4-Bromofluorobenzene	12.40	95	141105	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds

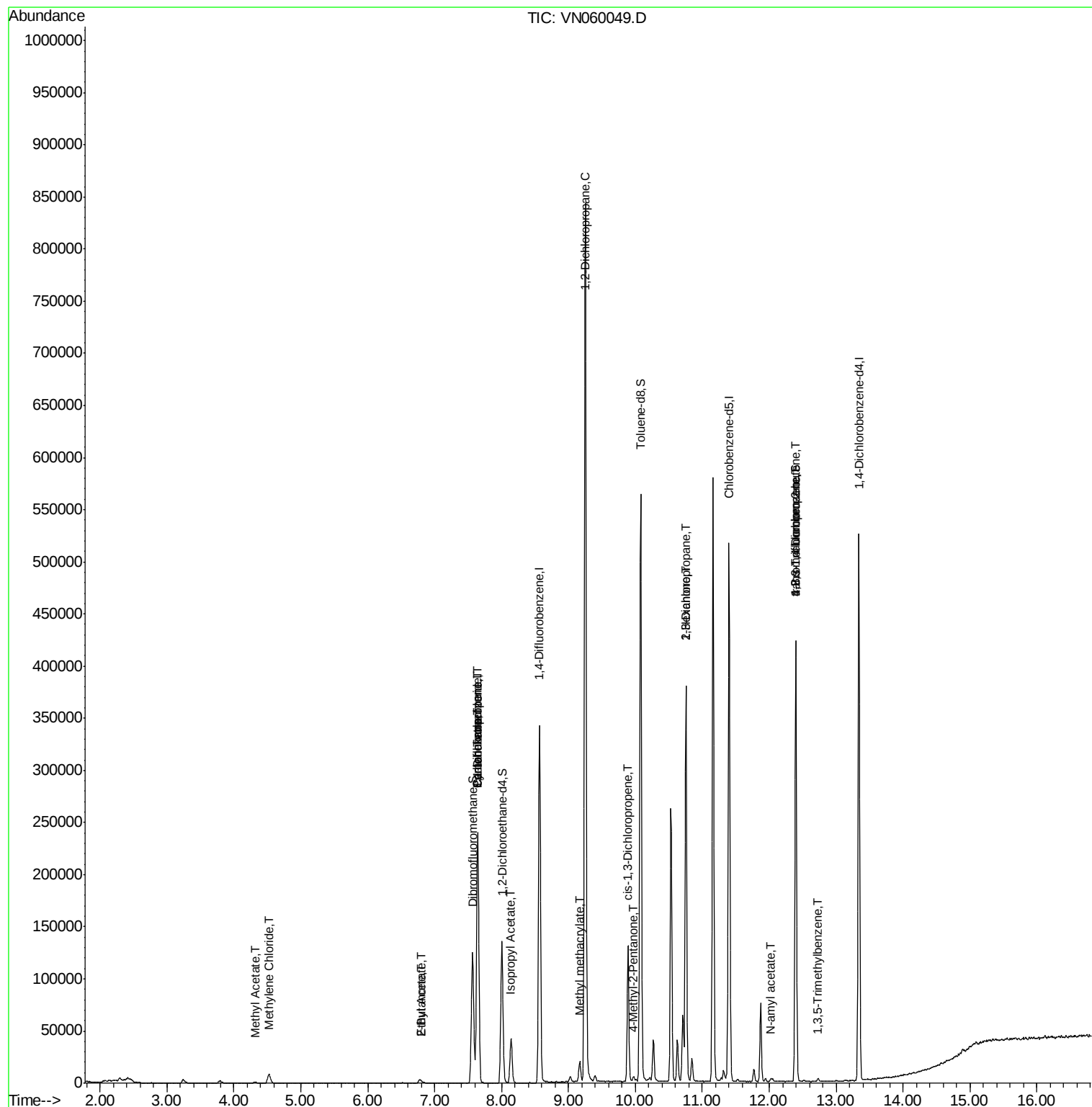
					Qvalue
16) Acetone	3.80	43	4457	Below Cal	99
18) Methyl Acetate	4.31	43	1360	0.511 ug/l #	54
20) Methylene Chloride	4.52	84	6796	2.056 ug/l	89
25) 2-Butanone	6.82	43	1228	0.952 ug/l #	50
31) Cyclohexane	7.64	56	4060	1.204 ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15110	5.452 ug/l #	49
37) Ethyl Acetate	6.82	43	1228	0.472 ug/l #	69
38) Carbon Tetrachloride	7.64	117	19012	6.307 ug/l #	15
43) Isopropyl Acetate	8.14	43	50798	11.362 ug/l #	91
45) 1,2-Dichloropropane	9.26	63	1001	0.489 ug/l #	44
48) Methyl methacrylate	9.16	41	2740	1.370 ug/l #	13
51) 4-Methyl-2-Pentanone	9.98	43	3400	1.316 ug/l	99
54) cis-1,3-Dichloropropene	9.89	75	24115	7.060 ug/l #	59
57) 1,3-Dichloropropane	10.76	76	4097	1.248 ug/l #	42
59) 2-Hexanone	10.75	43	54690	28.724 ug/l #	54
74) N-amyl acetate	12.03	43	2819	0.711 ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	73464	31.324 ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2070	0.241 ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	73464	67.269 ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.37	75	61	Below Cal #	6

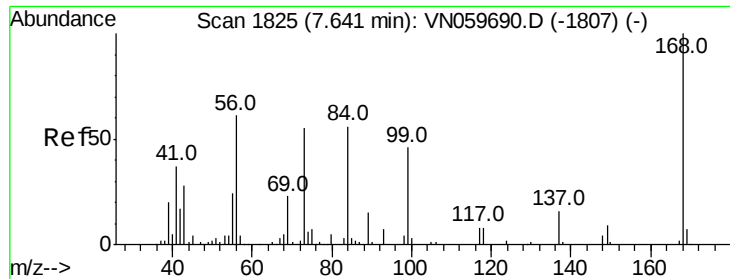
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060049.D

Acq: 10 Feb 2020 16:19

Instrument :

MSVOA_N

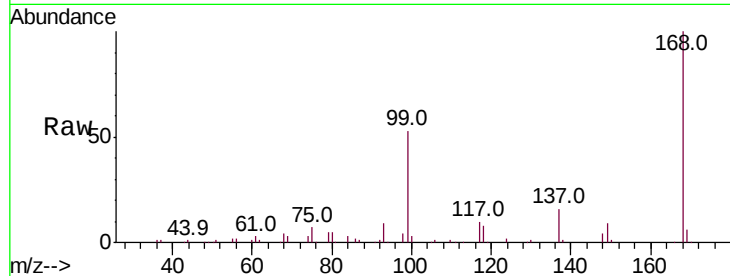
ClientSampled :

Tot Ion:168 Resp: 205169

Ion Ratio Lower Upper

168 100

99 53.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN060049.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN060049.D (-1732) (-)

7.64

80000

60000

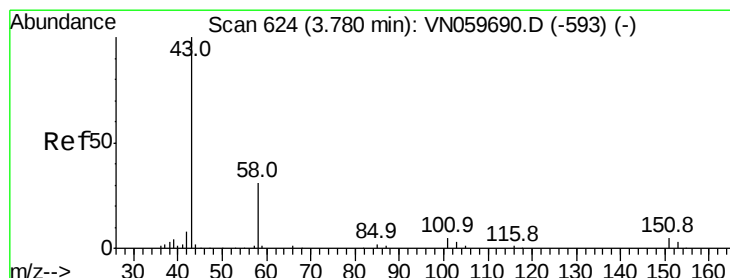
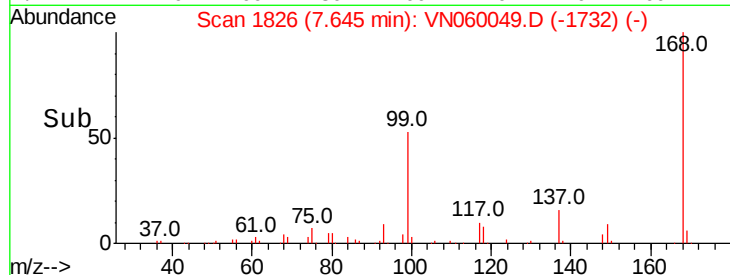
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 630

Delta R.T. 0.02 min

Lab File: VN060049.D

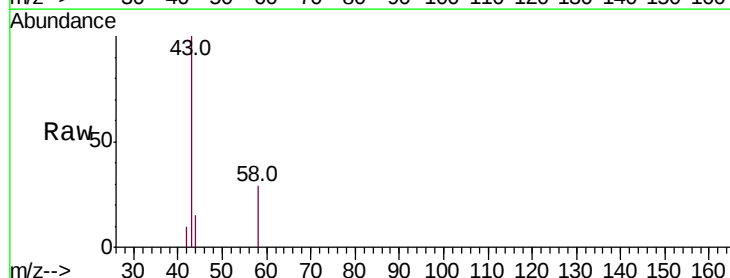
Acq: 10 Feb 2020 16:19

Tgt Ion: 43 Resp: 4457

Ion Ratio Lower Upper

43 100

58 29.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN060049.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN060049.D (-530) (-)

3.80

1500

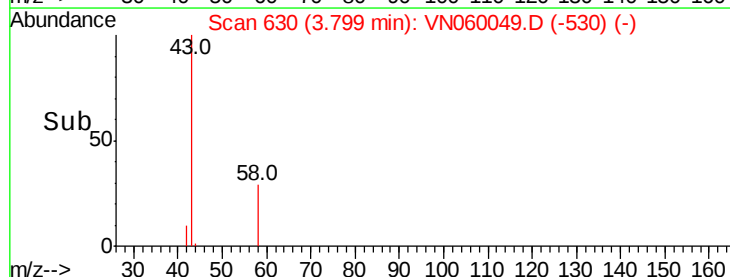
1000

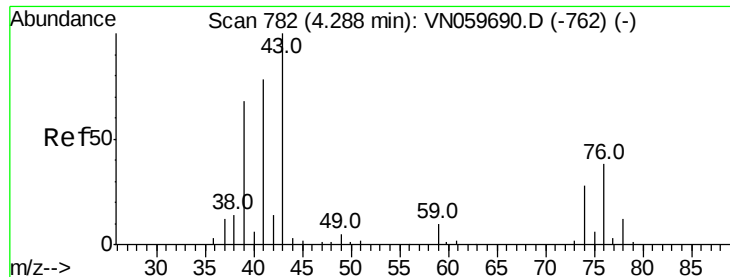
500

0

3.75 3.80 3.85

Time-->

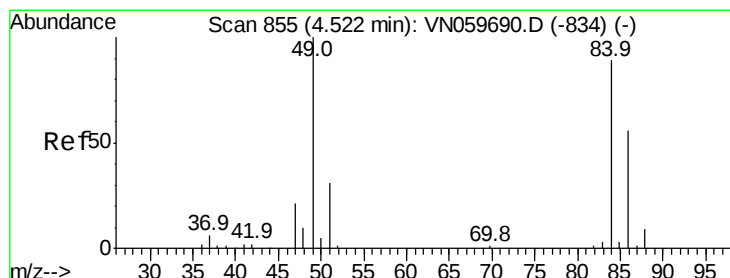
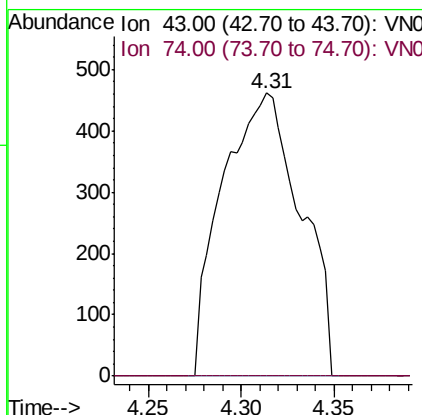
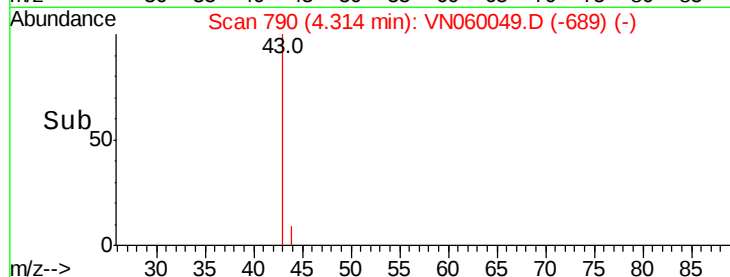
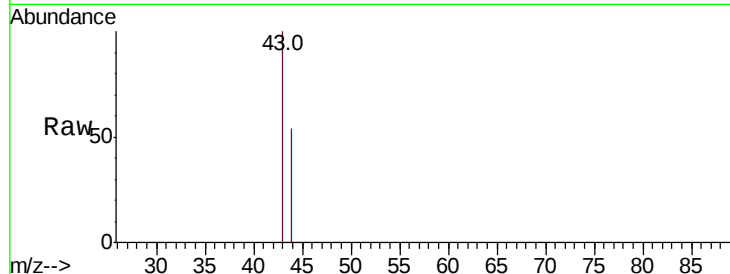




#18
Methyl Acetate
Concen: 0.511 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.03 min
Lab File: VN060049.D
Acq: 10 Feb 2020 16:19

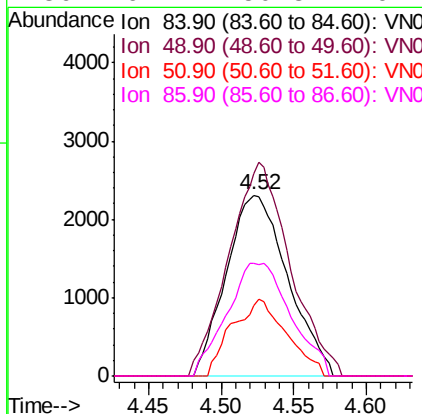
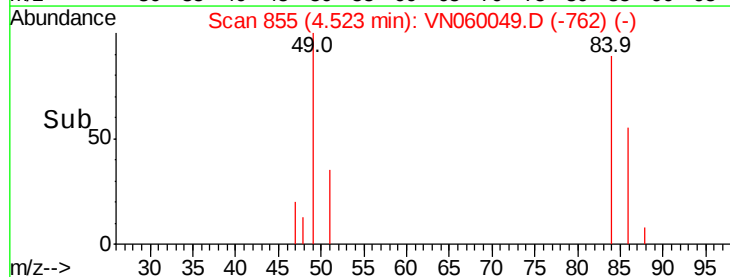
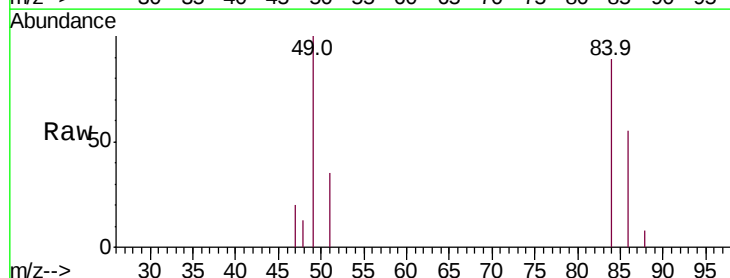
Instrument :
MSVOA_N
ClientSampled :

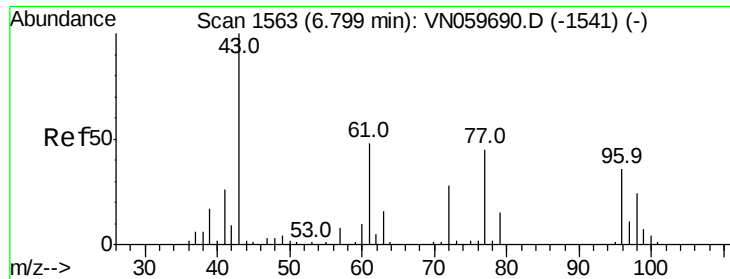
Tot Ion: 43 Resp: 1360
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.056 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060049.D
Acq: 10 Feb 2020 16:19

Tgt Ion: 84 Resp: 6796
Ion Ratio Lower Upper
84 100
49 111.9 106.6 160.0
51 38.9 31.9 47.9
86 62.1 50.8 76.2





#25

2-Butanone

Concen: 0.952 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.02 min

Lab File: VN060049.D

Acq: 10 Feb 2020 16:19

Instrument :

MSVOA_N

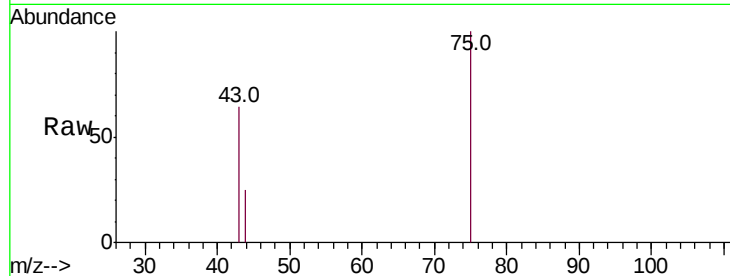
ClientSampleId :

Tot Ion: 43 Resp: 1228

Ion Ratio Lower Upper

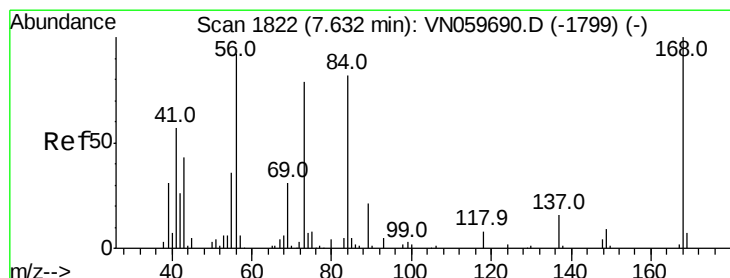
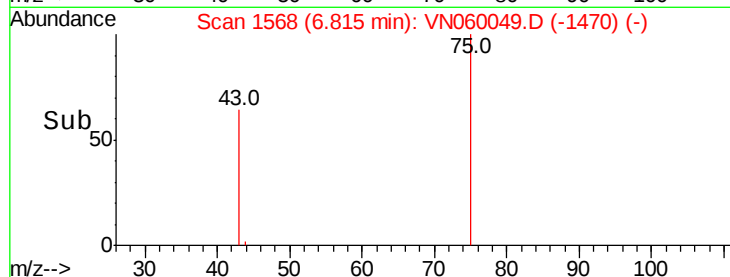
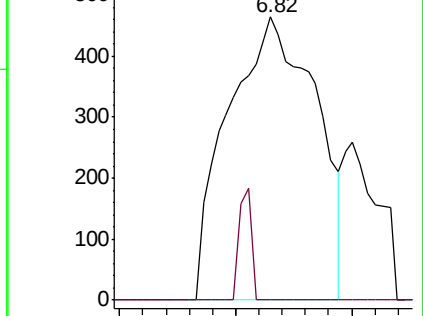
43 100

72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 1.204 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060049.D

Acq: 10 Feb 2020 16:19

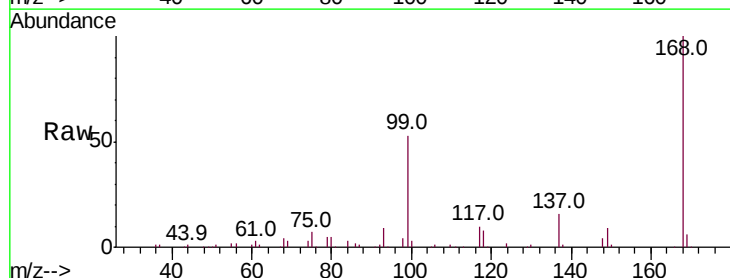
Tgt Ion: 56 Resp: 4060

Ion Ratio Lower Upper

56 100

69 155.1 26.5 39.7#

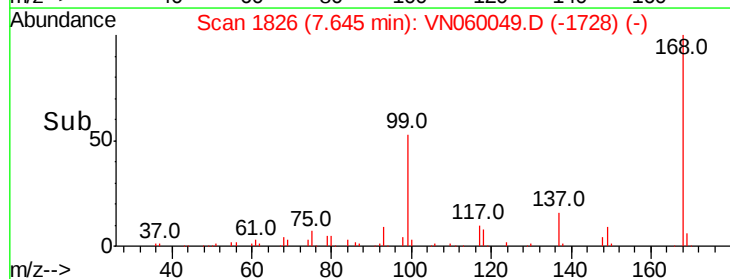
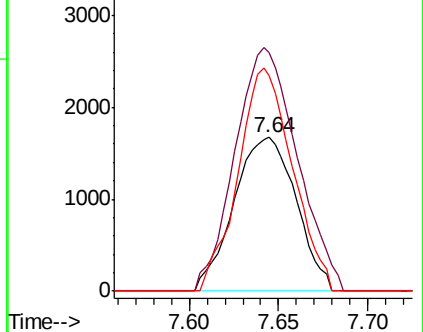
84 140.4 65.3 97.9#

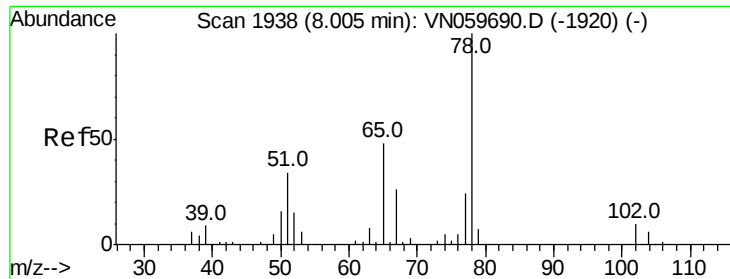


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

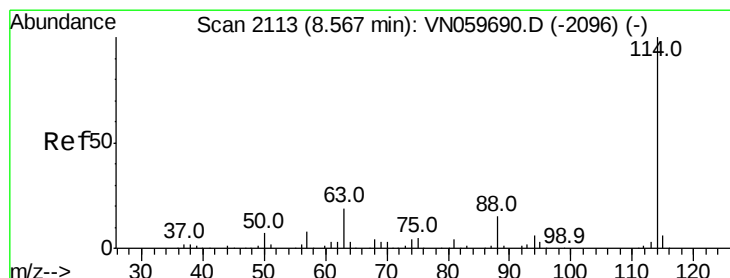
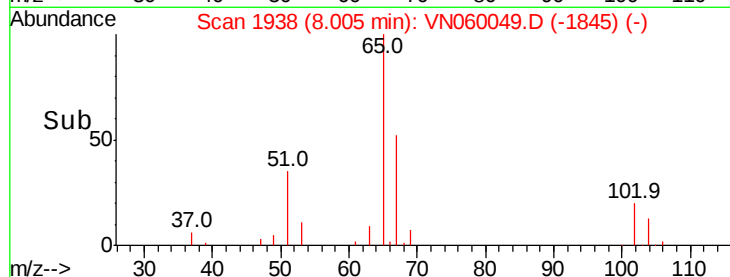
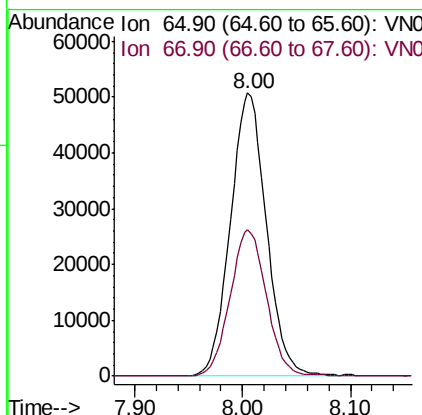
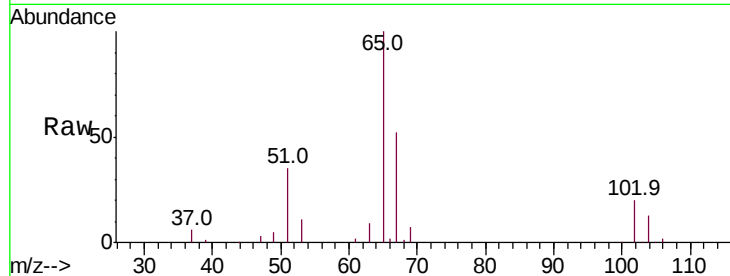




#33
 1,2-Dichloroethane-d4
 Concen: 51.705 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060049.D
 Acq: 10 Feb 2020 16:19

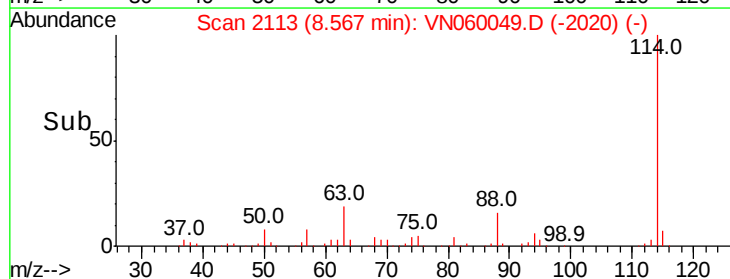
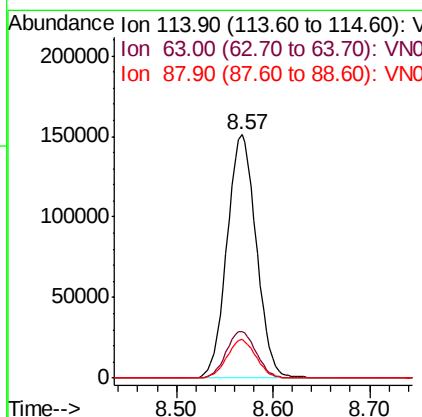
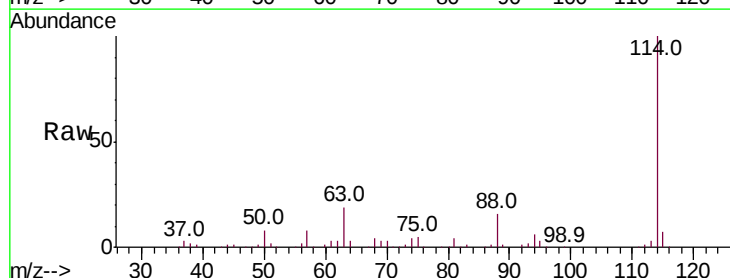
Instrument :
 MSVOA_N
 ClientSampled :

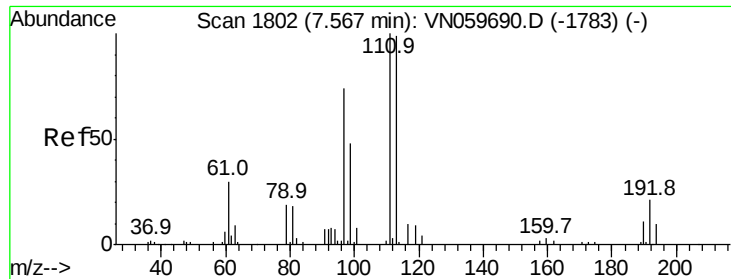
Tot Ion: 65 Resp: 117807
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060049.D
 Acq: 10 Feb 2020 16:19

Tgt Ion: 114 Resp: 318237
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 43.6
 88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.740 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060049.D

Acq: 10 Feb 2020 16:19

Instrument :
MSVOA_N
ClientSampled :

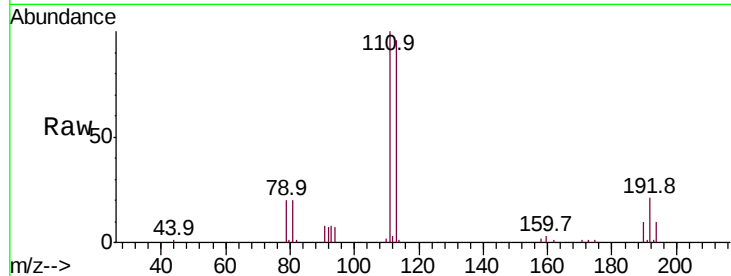
Tot Ion:113 Resp: 96293

Ion Ratio Lower Upper

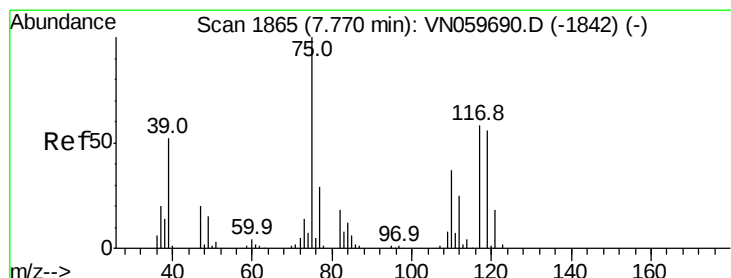
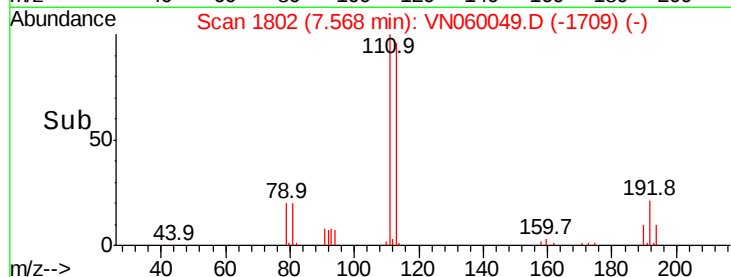
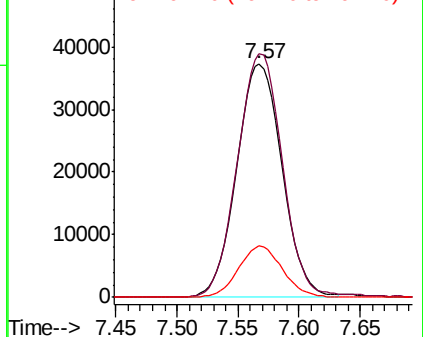
113 100

111 103.3 83.5 125.3

192 21.1 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: 5.452 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060049.D

Acq: 10 Feb 2020 16:19

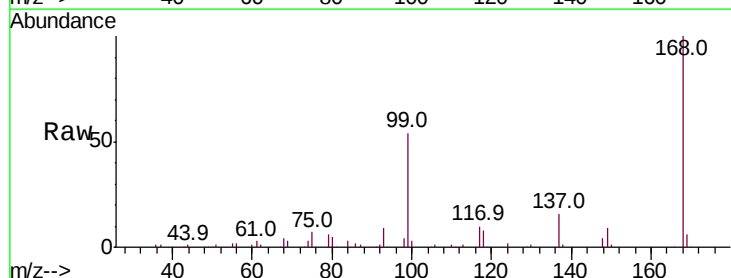
Tgt Ion: 75 Resp: 15110

Ion Ratio Lower Upper

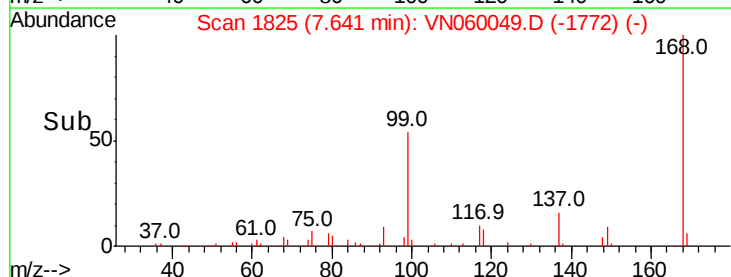
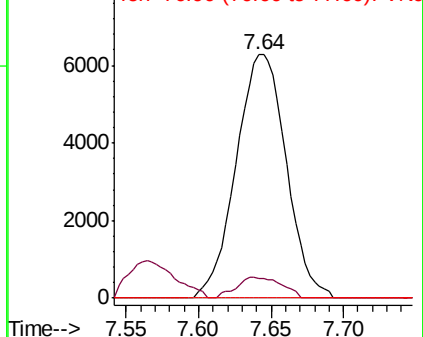
75 100

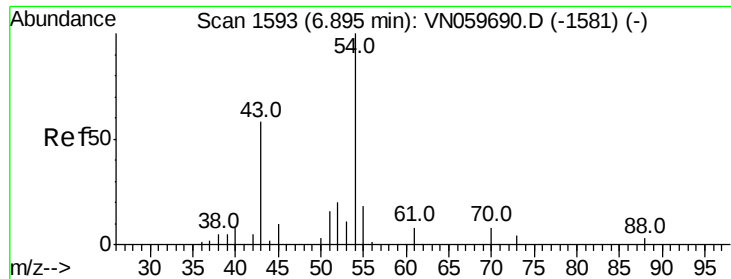
110 7.7 16.6 49.7#

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

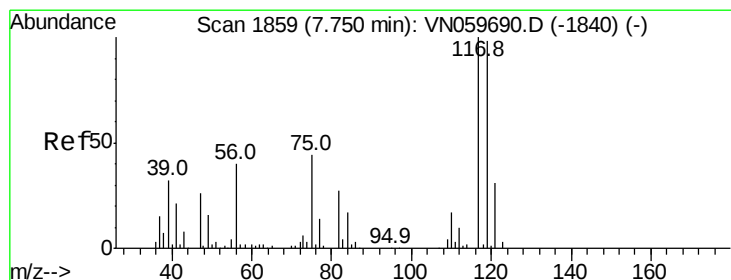
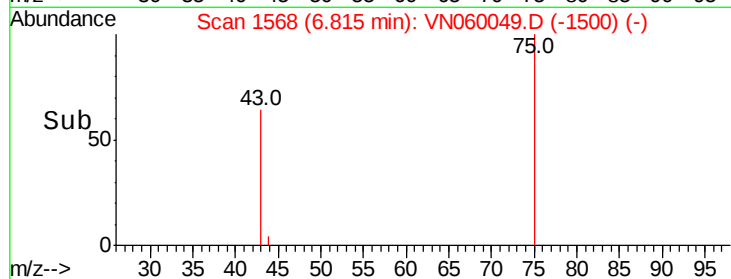
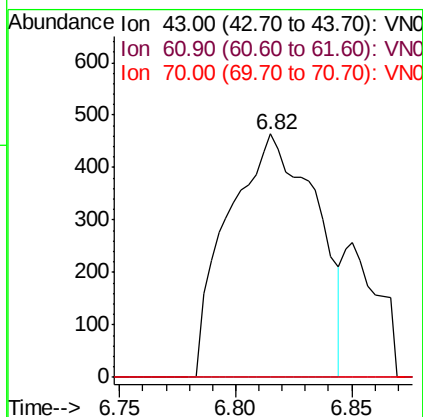
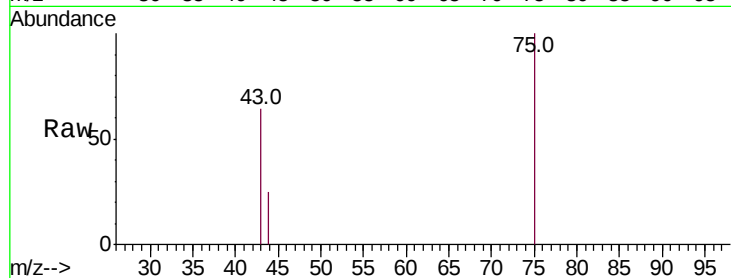




#37
Ethyl Acetate
Concen: 0.472 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. -0.08 min
Lab File: VN060049.D
Acq: 10 Feb 2020 16:19

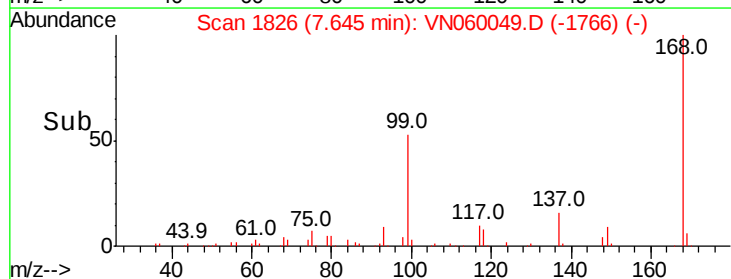
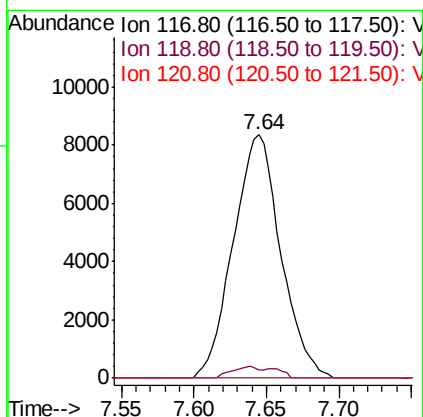
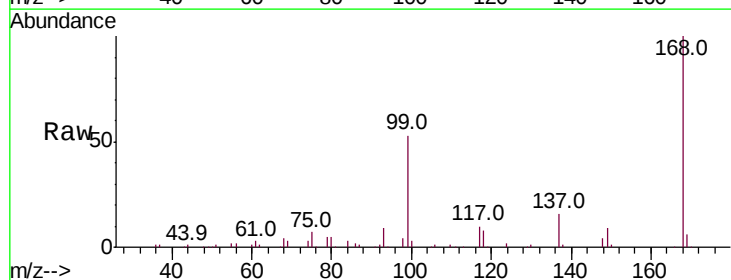
Instrument :
MSVOA_N
ClientSampled :

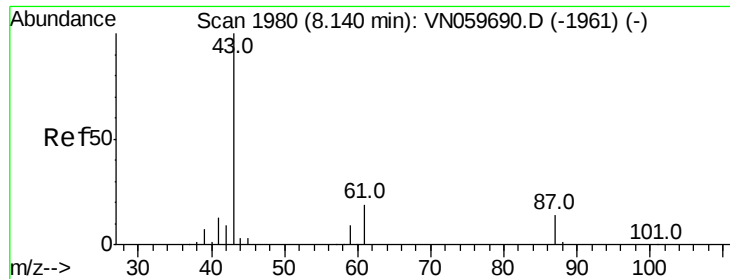
Tot Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.307 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060049.D
Acq: 10 Feb 2020 16:19

Tgt Ion: 117 Resp: 19012
Ion Ratio Lower Upper
117 100
119 3.5 76.5 114.7#
121 0.0 25.1 37.7#





#43

Isopropyl Acetate

Concen: 11.362 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060049.D

Acq: 10 Feb 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

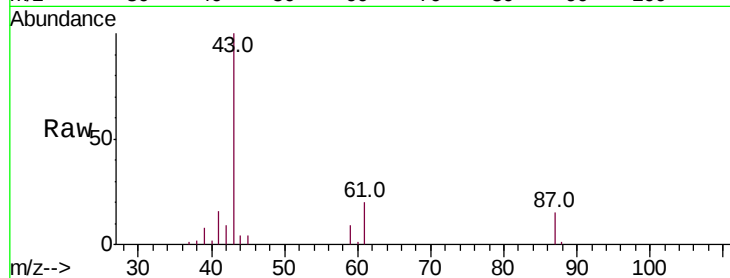
Tot Ion: 43 Resp: 50798

Ion Ratio Lower Upper

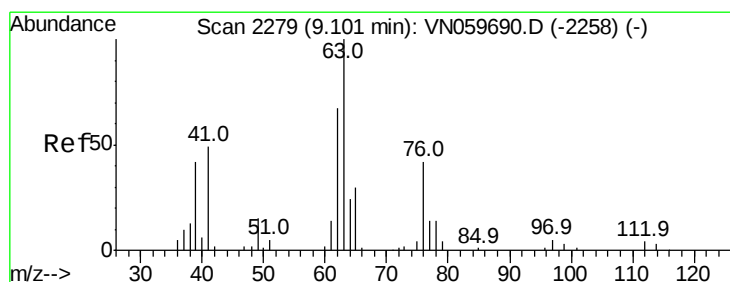
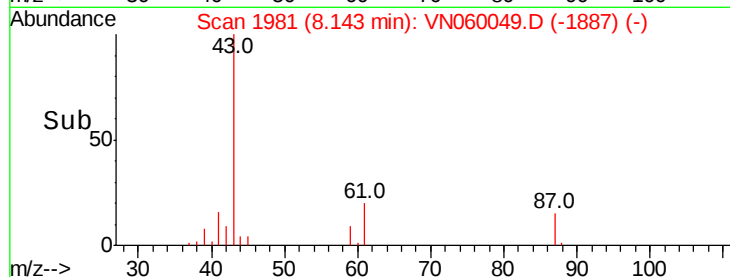
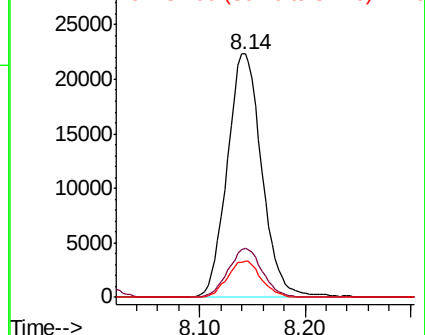
43 100

61 19.7 20.2 30.2#

87 14.4 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: 0.489 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN060049.D

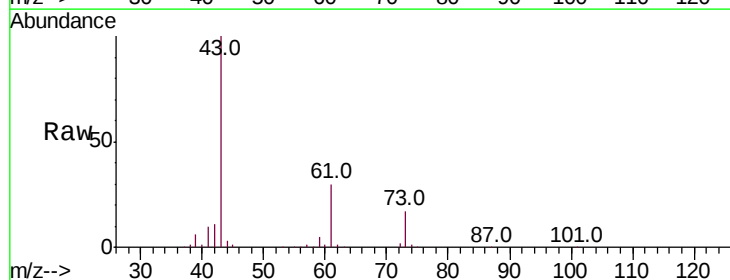
Acq: 10 Feb 2020 16:19

Tgt Ion: 63 Resp: 1001

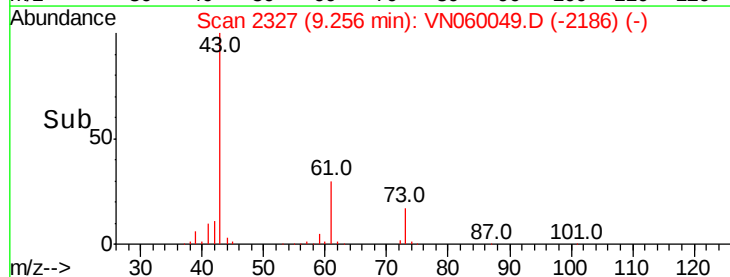
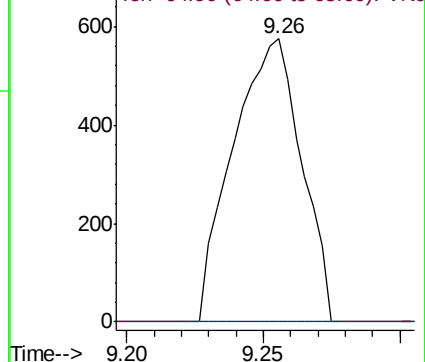
Ion Ratio Lower Upper

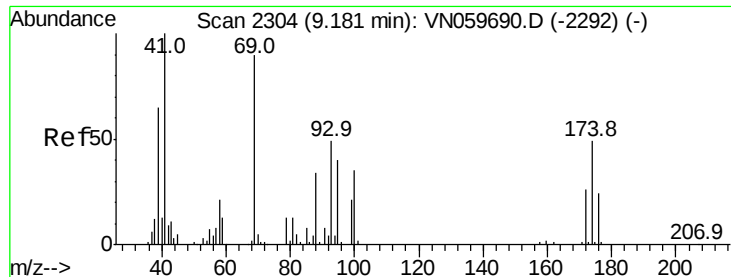
63 100

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

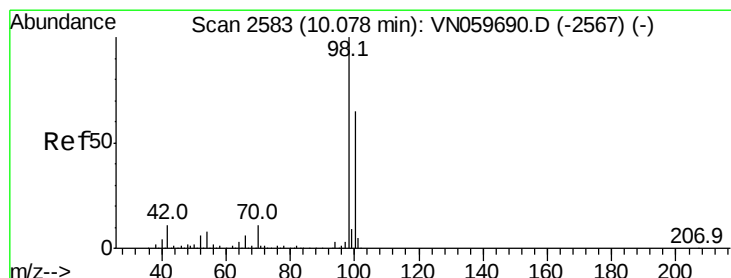
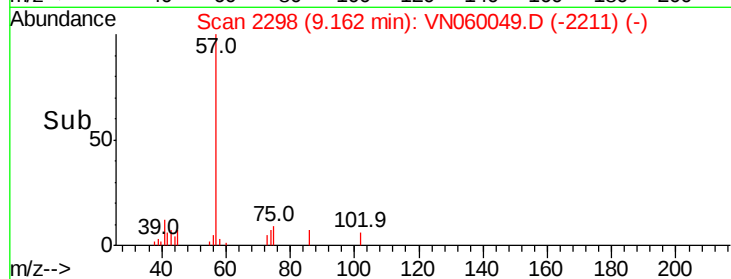
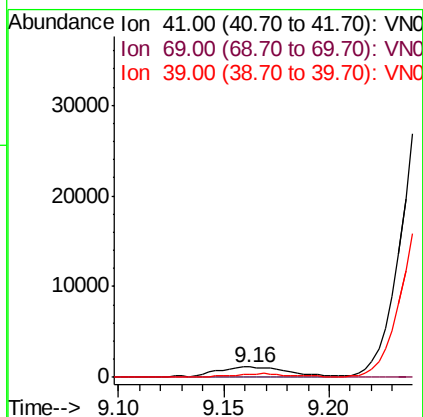
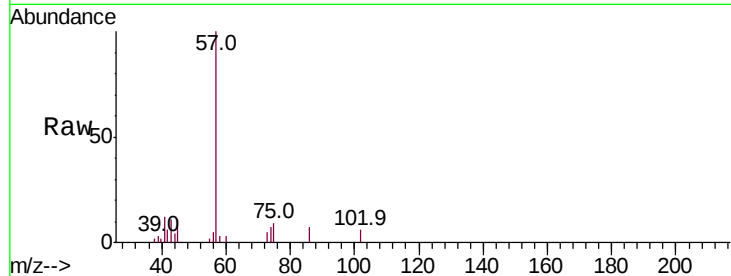




#48
Methvl methacrylate
Concen: 1.370 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060049.D
Acq: 10 Feb 2020 16:19

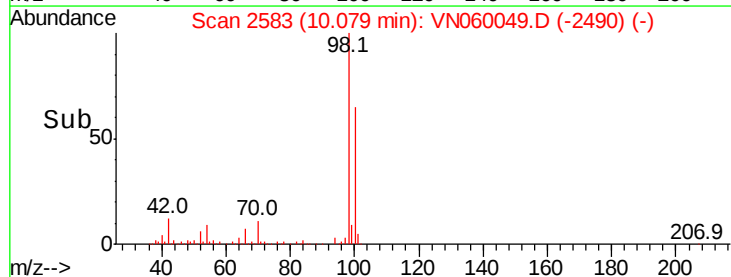
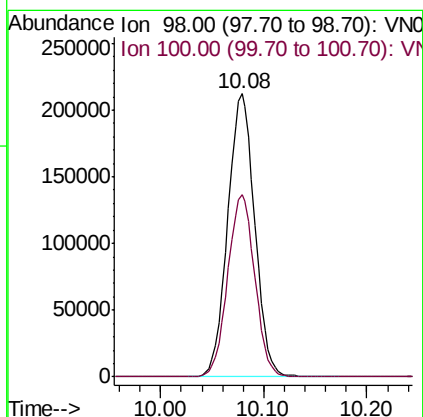
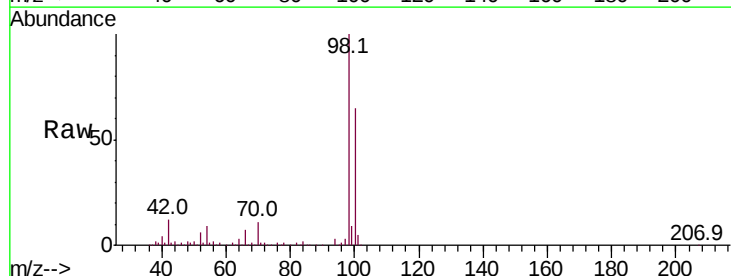
Instrument :
MSVOA_N
ClientSampled :

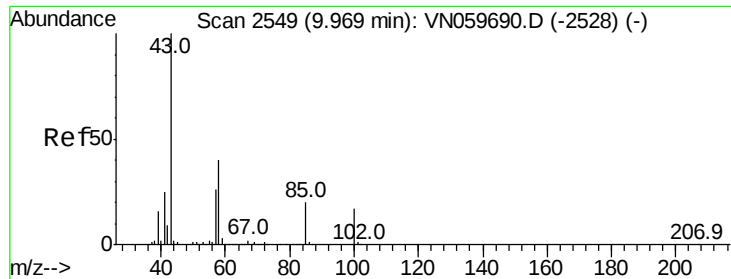
Tot Ion: 41 Resp: 2740
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 52.681 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060049.D
Acq: 10 Feb 2020 16:19

Tgt Ion: 98 Resp: 387363
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8

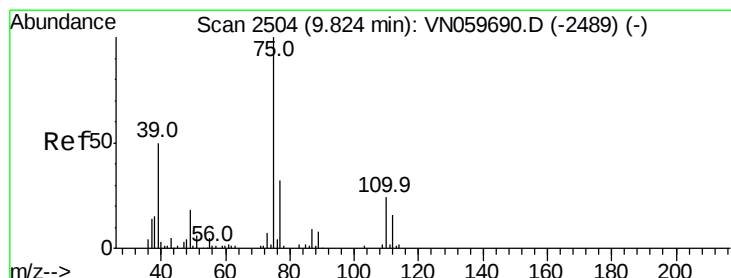
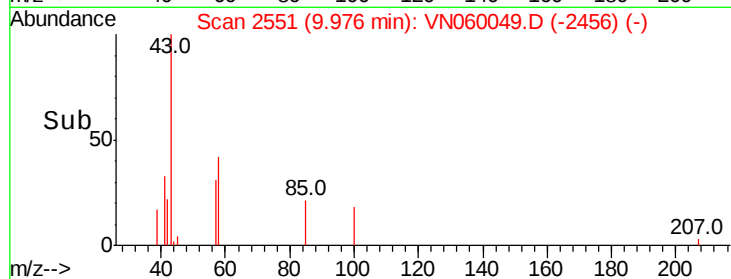
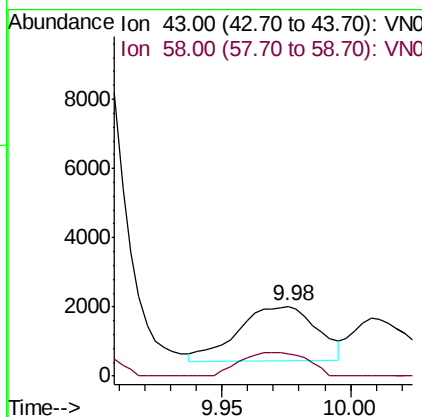
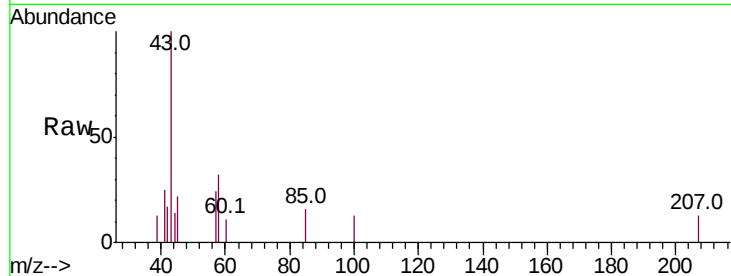




#51
 4-Methyl-2-Pentanone
 Concen: 1.316 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.01 min
 Lab File: VN060049.D
 Acq: 10 Feb 2020 16:19

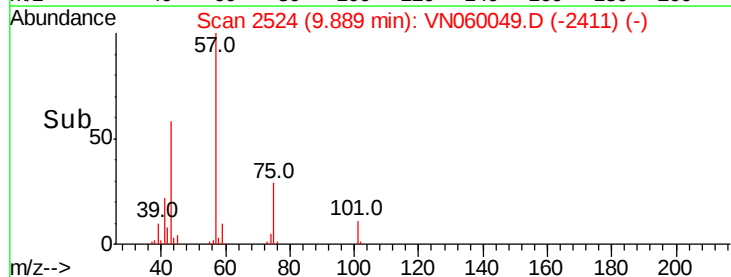
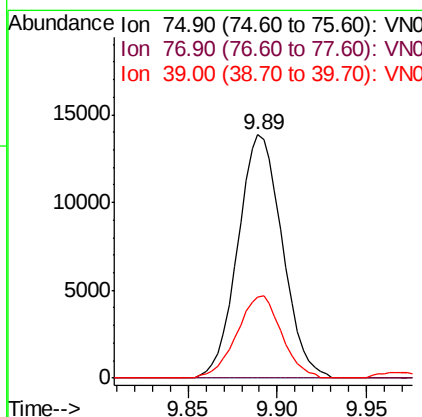
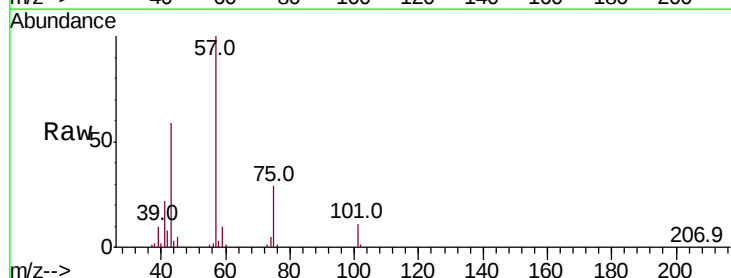
Instrument :
 MSVOA_N
 ClientSampled :

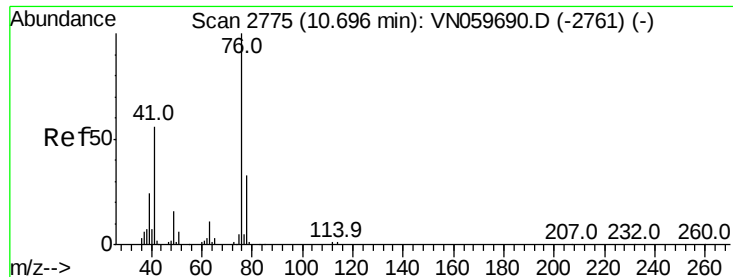
Tot Ion: 43 Resp: 3400
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 7.060 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060049.D
 Acq: 10 Feb 2020 16:19

Tgt Ion: 75 Resp: 24115
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 33.5 46.1 69.1#





#57

1,3-Dichloropropane

Concen: 1.248 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN060049.D

Acq: 10 Feb 2020 16:19

Instrument :

MSVOA_N

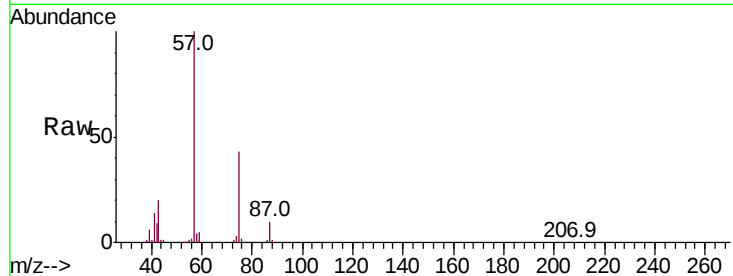
ClientSampleId :

Tot Ion: 76 Resp: 4097

Ion Ratio Lower Upper

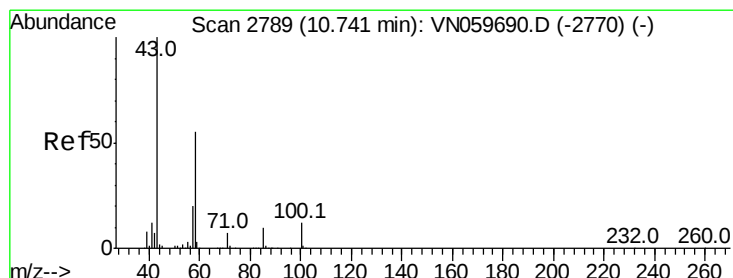
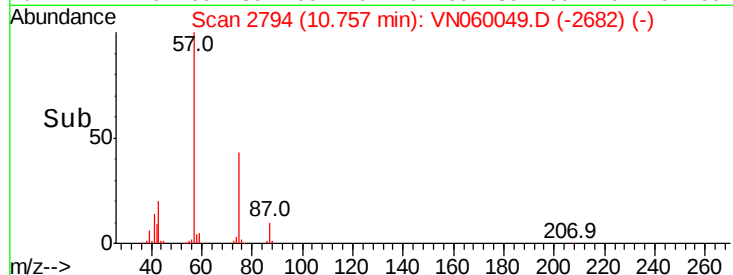
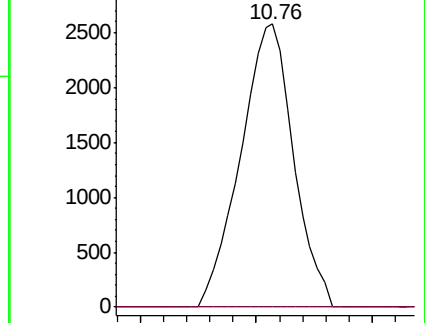
76 100

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: 28.724 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060049.D

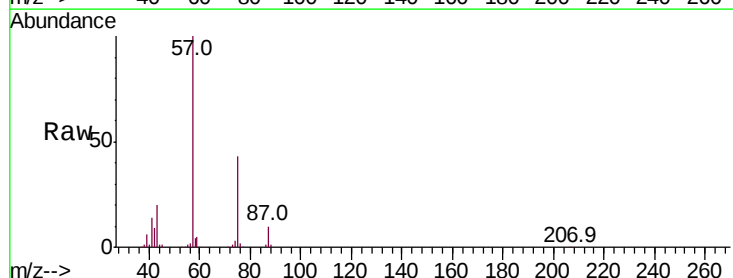
Acq: 10 Feb 2020 16:19

Tgt Ion: 43 Resp: 54690

Ion Ratio Lower Upper

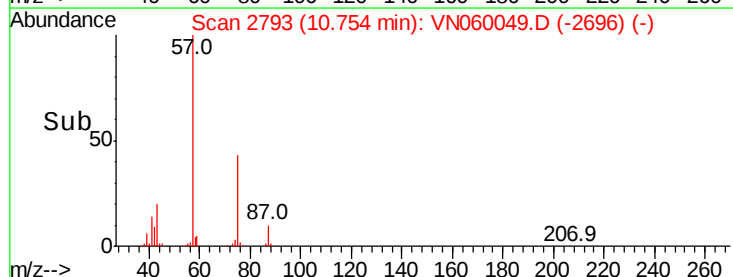
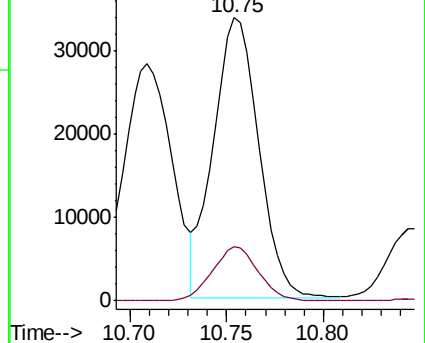
43 100

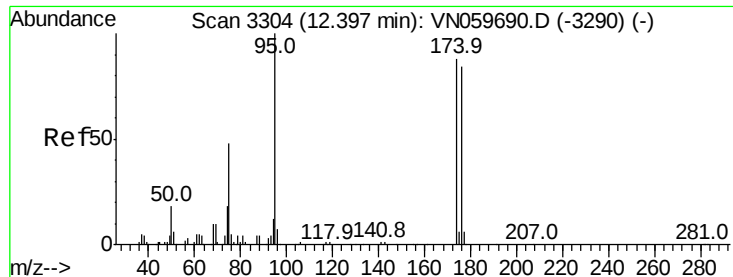
58 19.6 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

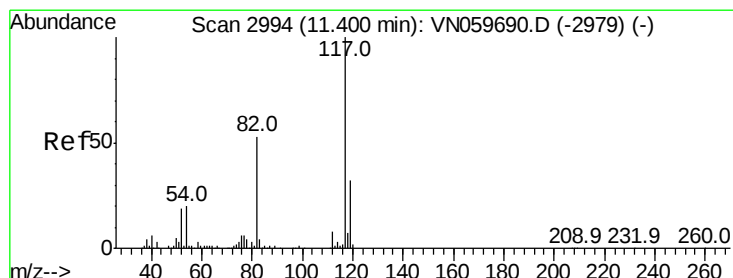
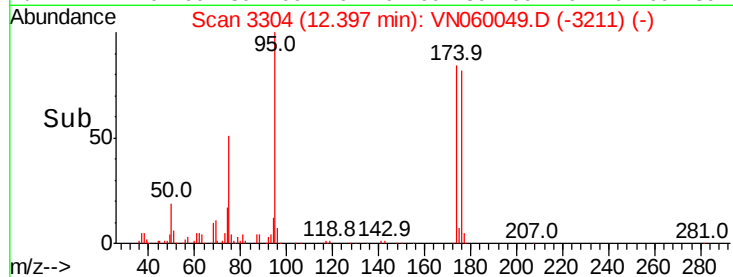
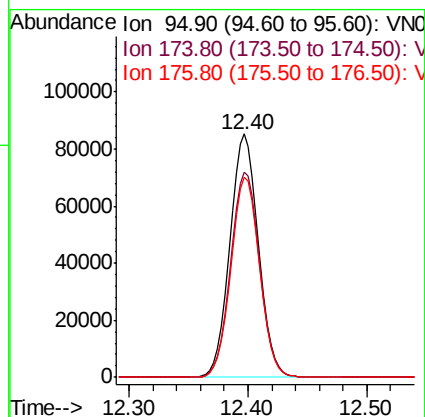
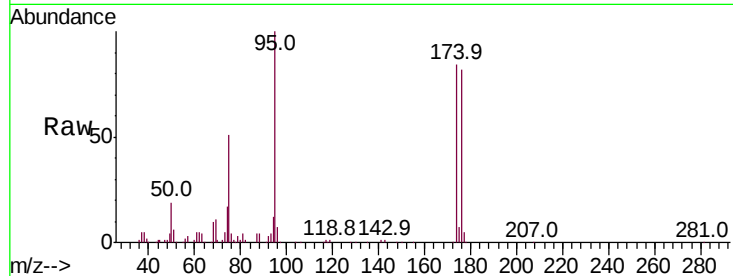




#62
4-Bromofluorobenzene
Concen: 53.232 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060049.D
Acq: 10 Feb 2020 16:19

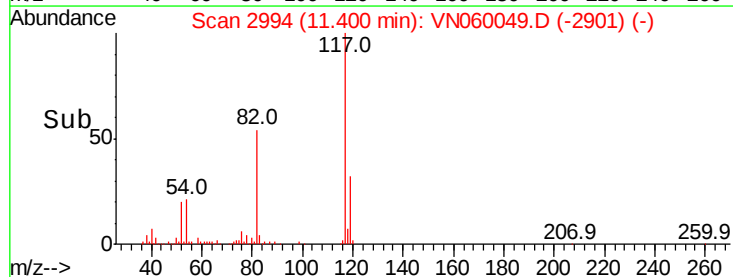
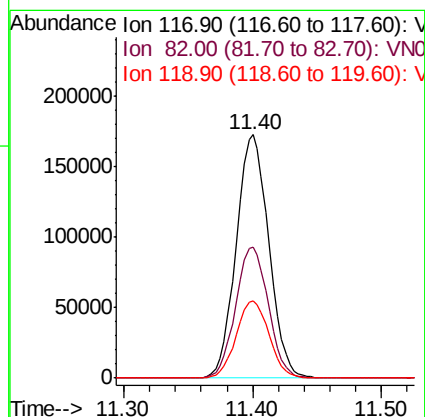
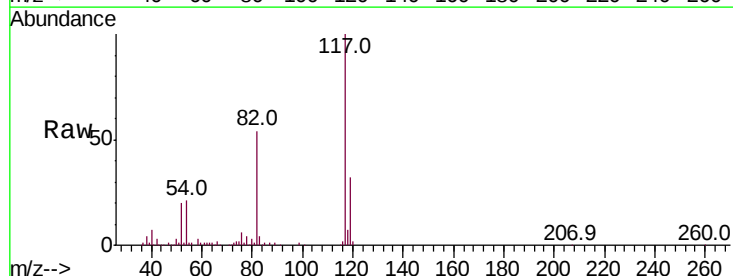
Instrument :
MSVOA_N
ClientSampleId :

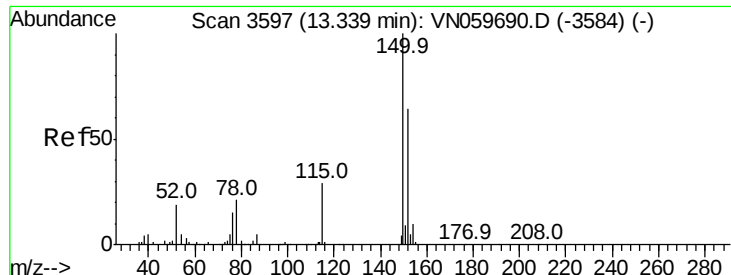
Tot Ion: 95 Resp: 141105
Ion Ratio Lower Upper
95 100
174 85.8 0.0 151.4
176 83.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060049.D
Acq: 10 Feb 2020 16:19

Tgt Ion: 117 Resp: 302958
Ion Ratio Lower Upper
117 100
82 53.9 45.9 68.9
119 31.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060049.D

Acq: 10 Feb 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

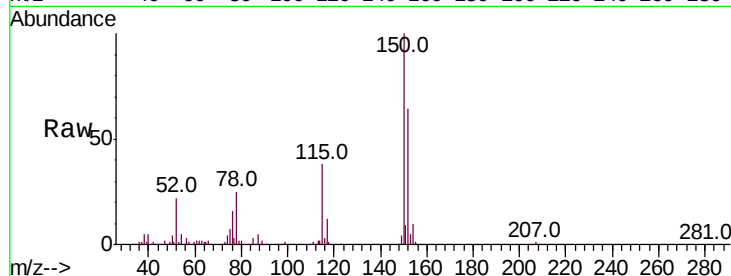
Tot Ion:152 Resp: 139359

Ion Ratio Lower Upper

152 100

115 58.8 30.3 90.9

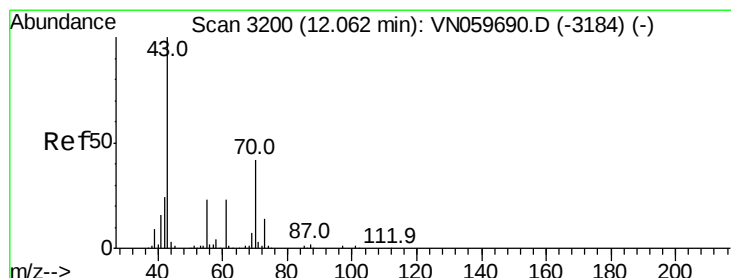
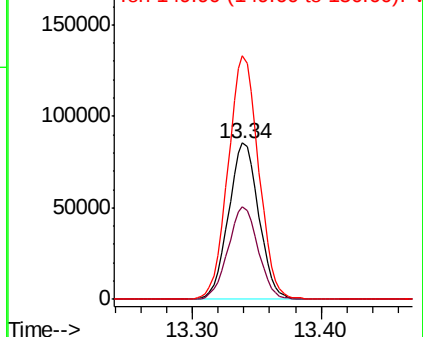
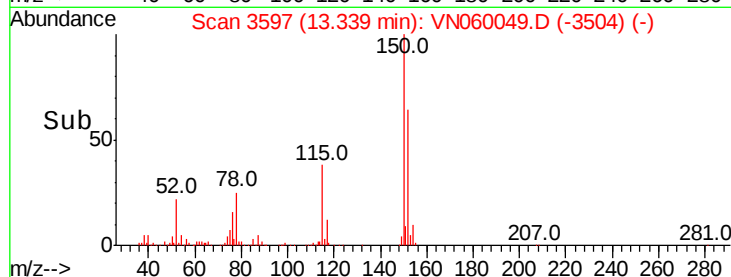
150 156.8 0.0 345.2



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-ethyl acetate

Concen: 0.711 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN060049.D

Acq: 10 Feb 2020 16:19

Tgt Ion: 43 Resp: 2819

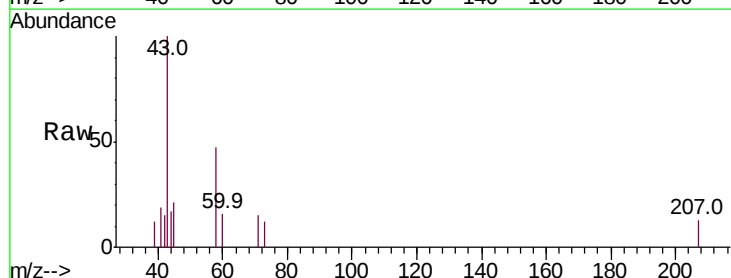
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

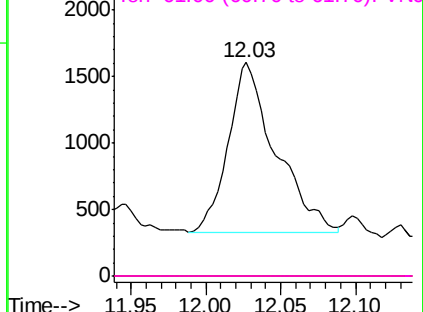
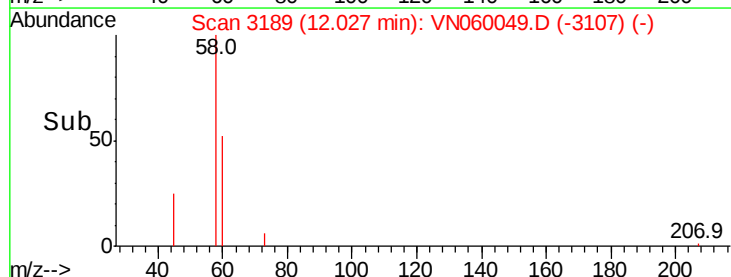


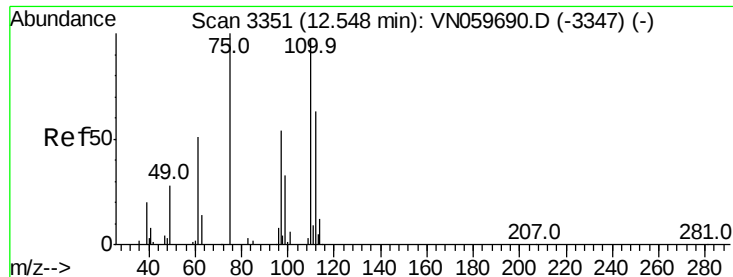
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 31.324 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060049.D

Acq: 10 Feb 2020 16:19

Instrument :

MSVOA_N

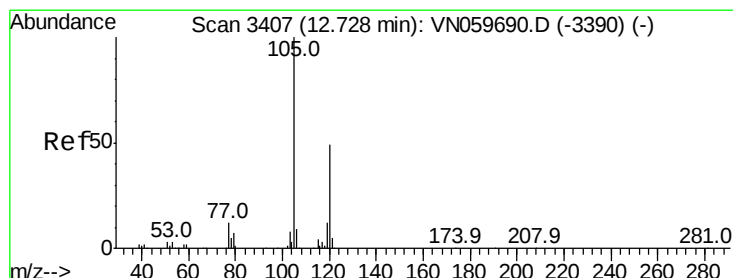
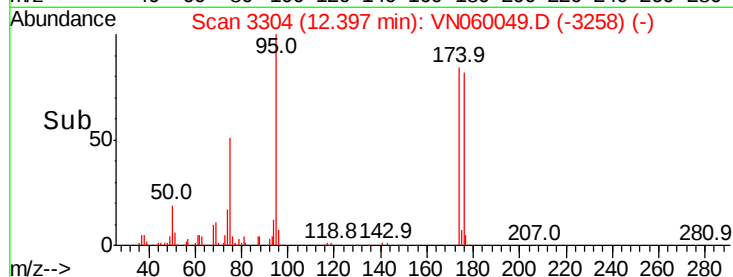
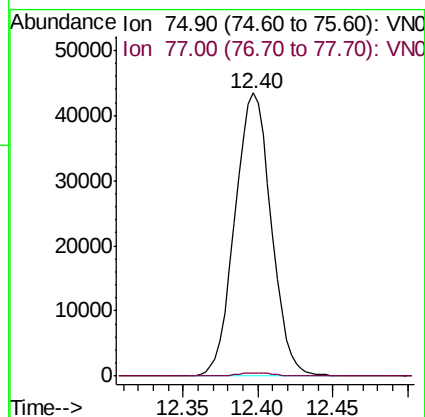
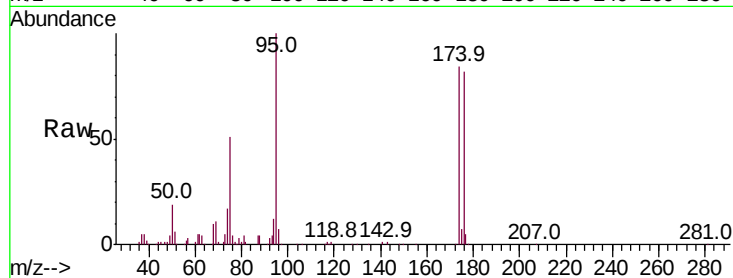
ClientSampleId :

Tot Ion: 75 Resp: 73464

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.241 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060049.D

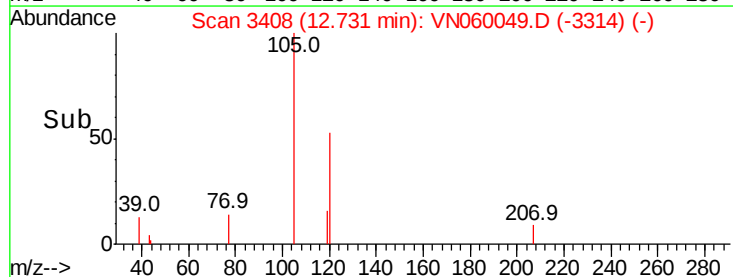
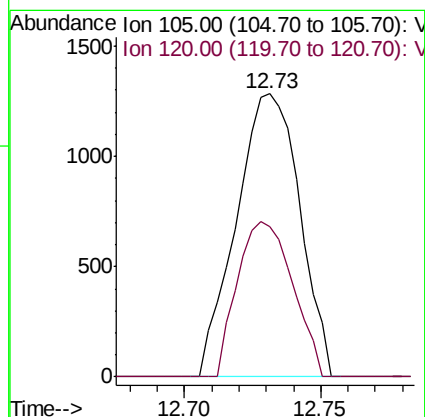
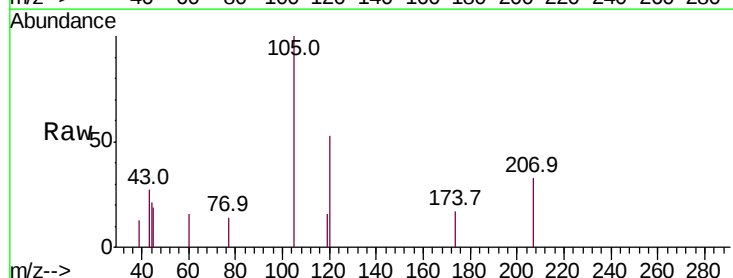
Acq: 10 Feb 2020 16:19

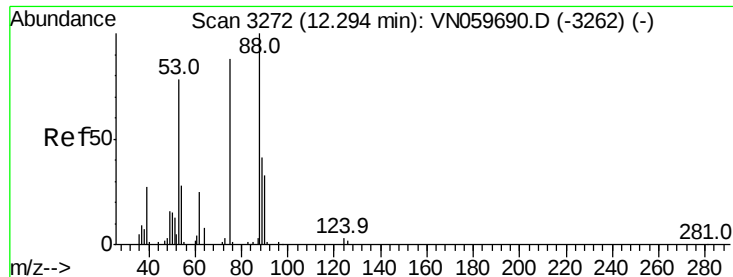
Tgt Ion: 105 Resp: 2070

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 67.269 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060049.D

Acq: 10 Feb 2020 16:19

Instrument :

MSVOA_N

ClientSampled :

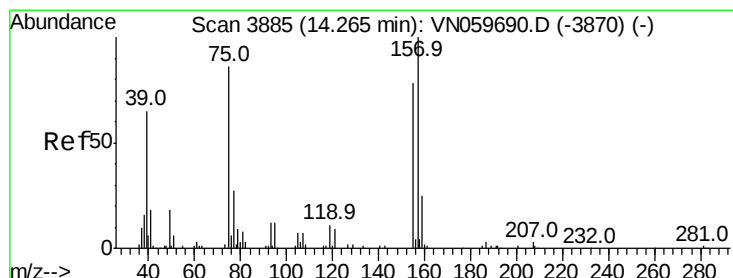
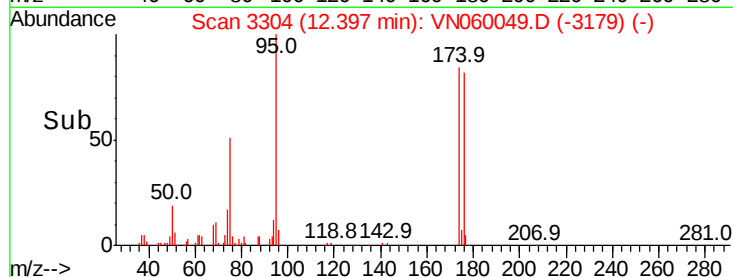
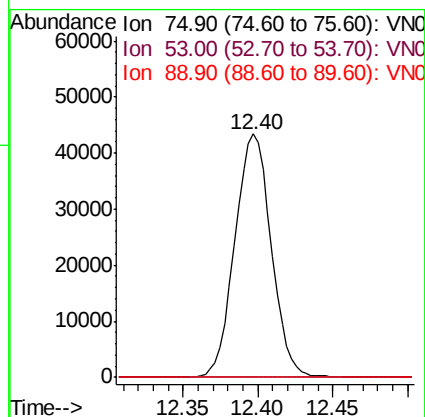
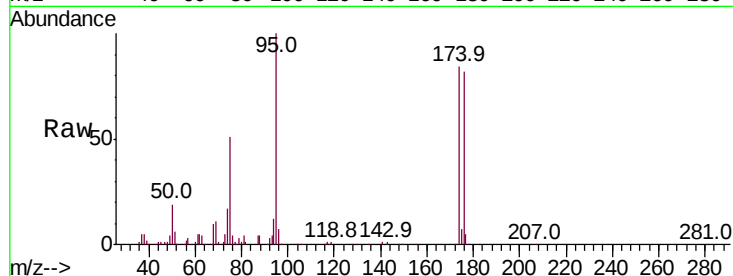
Tot Ion: 75 Resp: 73464

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# 3918

Delta R.T. 0.11 min

Lab File: VN060049.D

Acq: 10 Feb 2020 16:19

Tgt Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

