

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
 Data File : VN059847.D
 Acq On : 24 Jan 2020 15:54
 Operator : JC/MD
 Sample : L1247-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 25 00:28:57 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	208162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	313136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	281388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115101	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	110186	47.66	ug/l	0.00
Spiked Amount						
			Recovery	=	95.32%	
35) Dibromofluoromethane	7.57	113	93720	50.19	ug/l	0.00
Spiked Amount						
			Recovery	=	100.38%	
50) Toluene-d8	10.08	98	368837	50.98	ug/l	0.00
Spiked Amount						
			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.40	95	124231	47.63	ug/l	0.00
Spiked Amount						
			Recovery	=	95.26%	

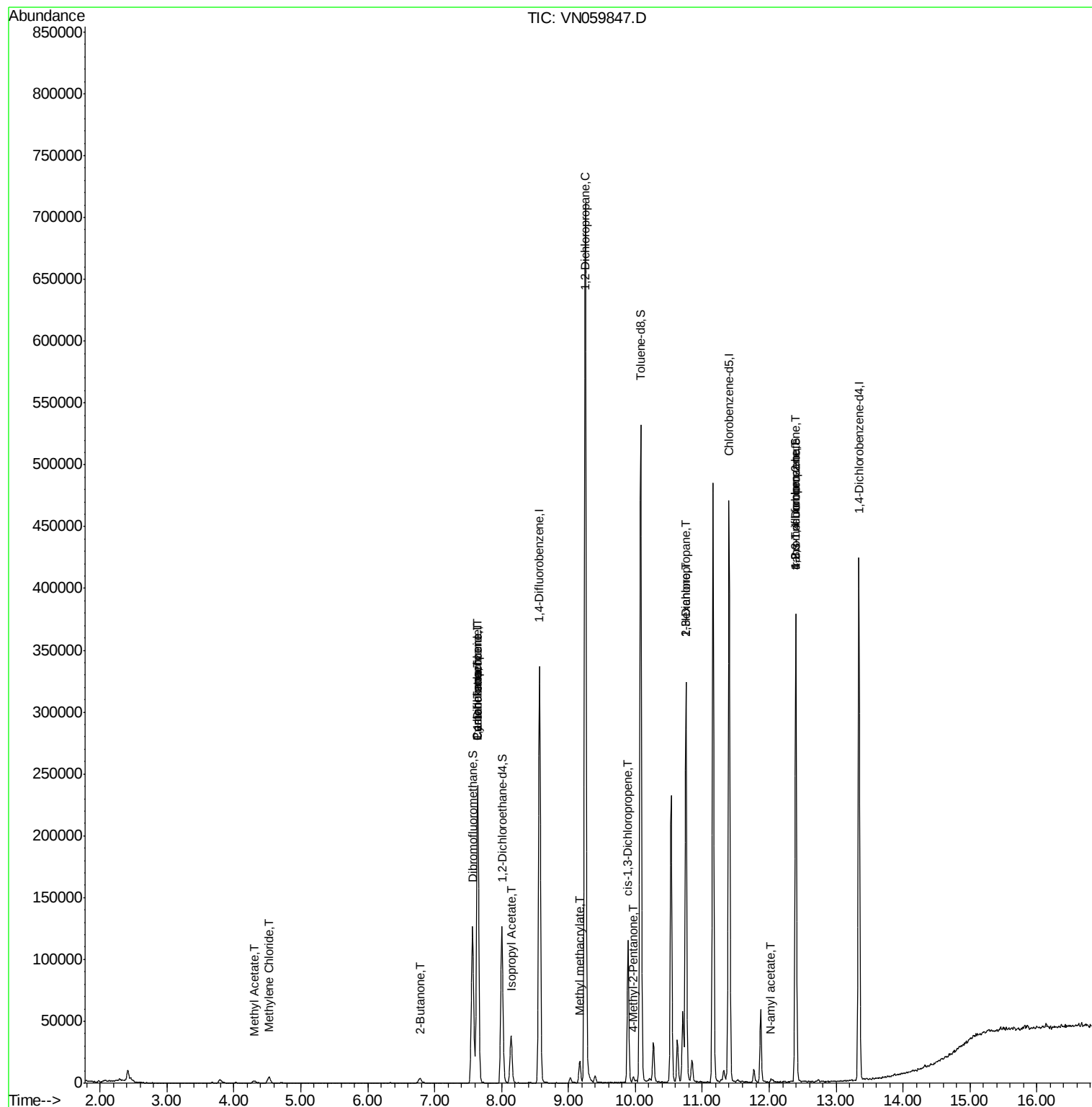
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4750	Below Cal		93
18) Methyl Acetate	4.30	43	3589	1.329	ug/l #	68
20) Methylene Chloride	4.53	84	4184	0.725	ug/l #	82
25) 2-Butanone	6.80	43	333	0.254	ug/l #	50
31) Cyclohexane	7.64	56	3990	1.167	ug/l #	9
36) 1,1-Dichloropropene	7.64	75	13935	5.110	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18703	6.305	ug/l #	16
43) Isopropyl Acetate	8.14	43	44941	10.216	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	916	0.455	ug/l #	44
48) Methyl methacrylate	9.17	41	2504	1.273	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2581	1.015	ug/l #	87
54) cis-1,3-Dichloropropene	9.89	75	22331	6.644	ug/l #	57
57) 1,3-Dichloropropane	10.75	76	3133	0.970	ug/l #	42
59) 2-Hexanone	10.75	43	44994	24.017	ug/l #	55
74) N-amyl acetate	12.03	43	1464	0.447	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	62150	32.085	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	62150	68.903	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.32	75	63	Below Cal	#	6

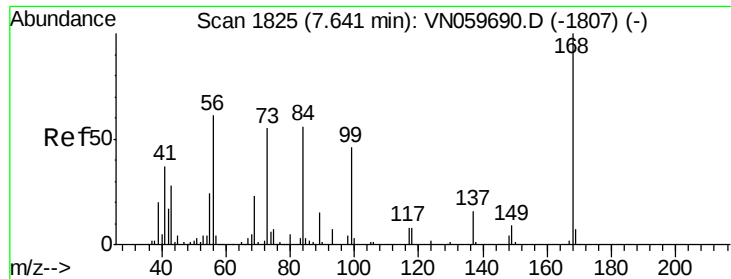
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1825

Delta R.T. 0.00 min

Lab File: VN059847.D

Acq: 24 Jan 2020 15:54

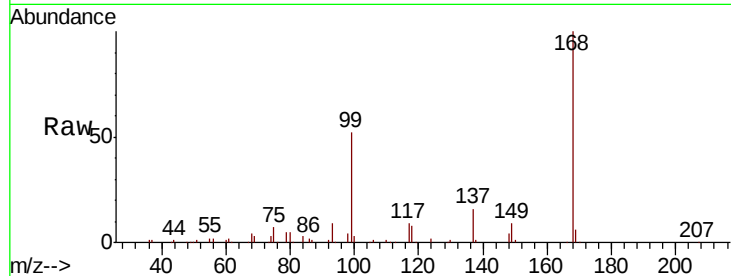
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 208162

Ion Ratio Lower Upper

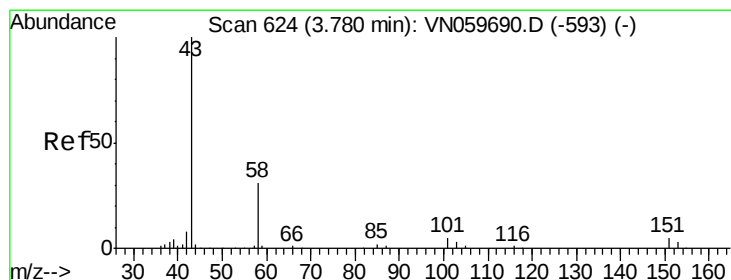
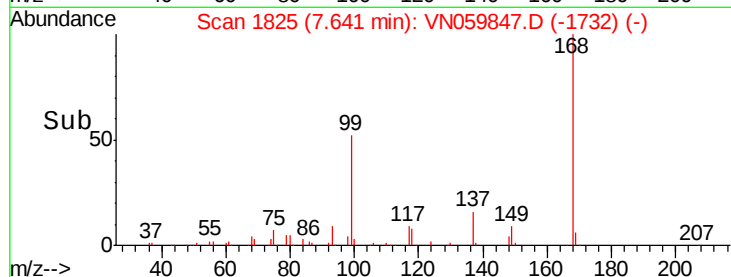
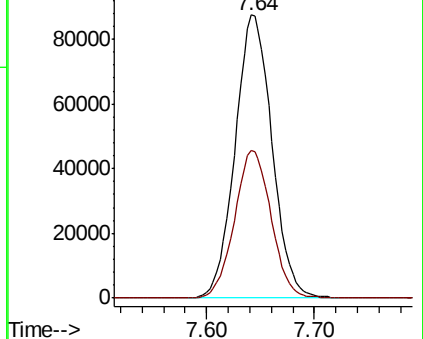
168 100

99 52.1 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: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059847.D

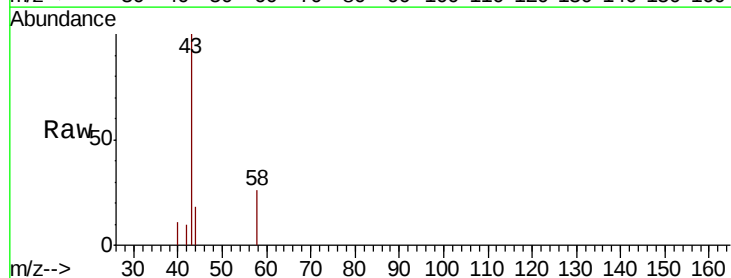
Acq: 24 Jan 2020 15:54

Tgt Ion: 43 Resp: 4750

Ion Ratio Lower Upper

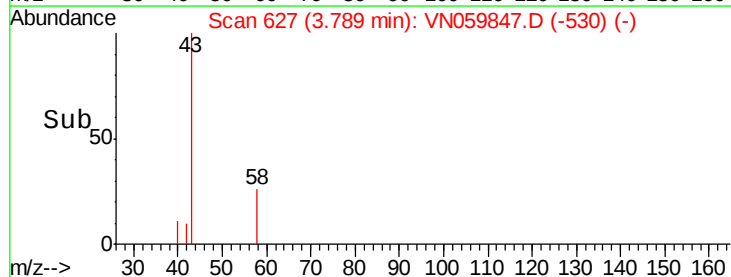
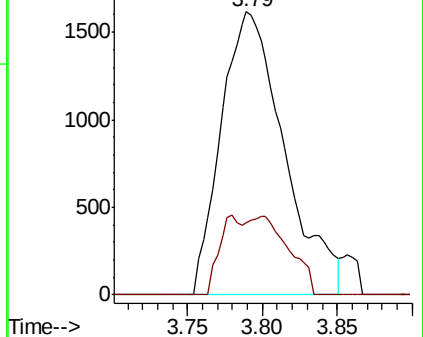
43 100

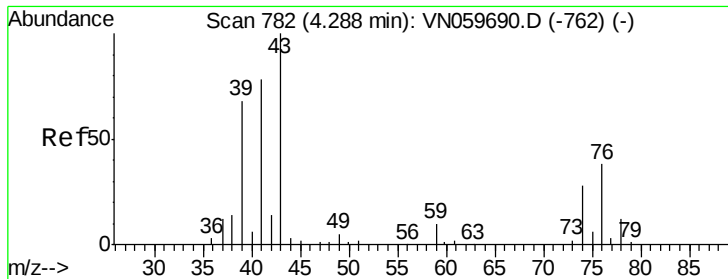
58 25.7 23.6 35.4



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

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

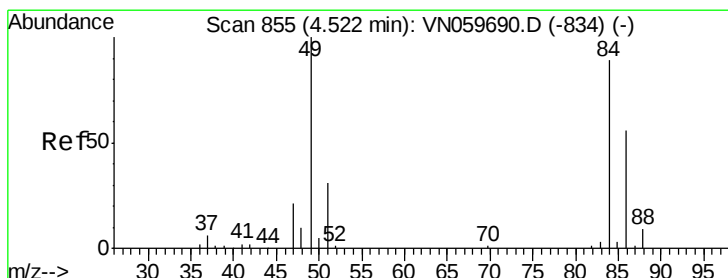
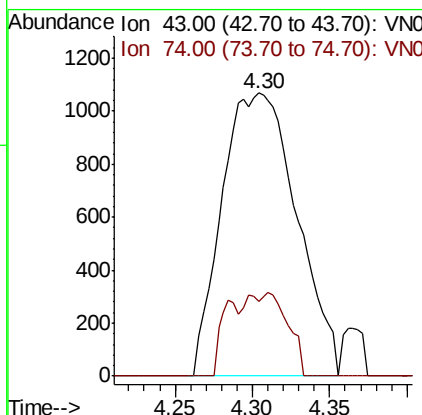
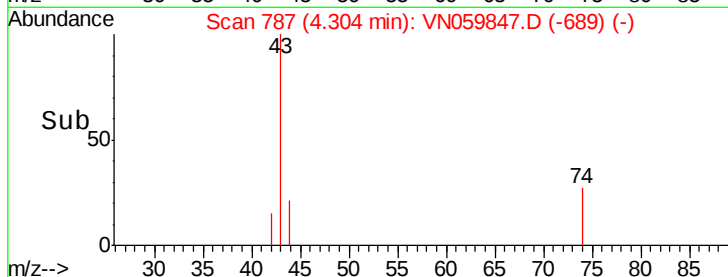
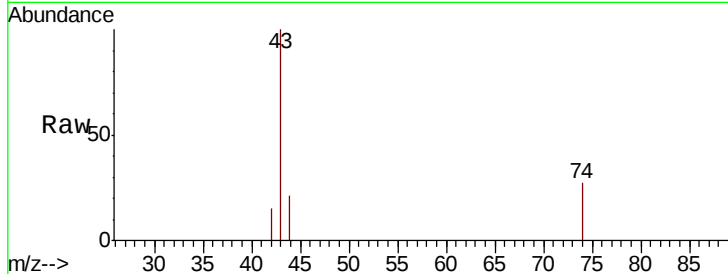




#18
Methyl Acetate
Concen: 1.329 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN059847.D
Acq: 24 Jan 2020 15:54

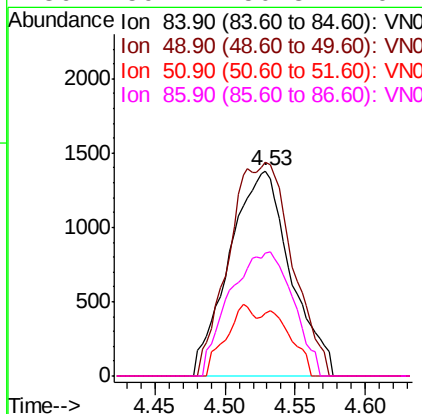
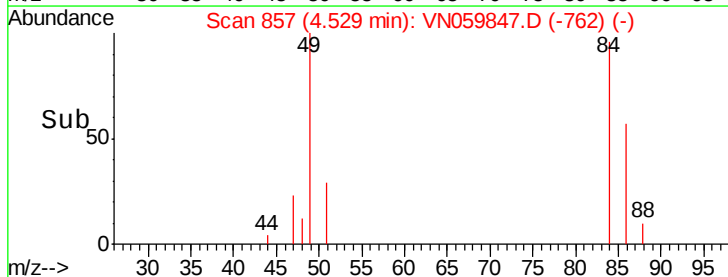
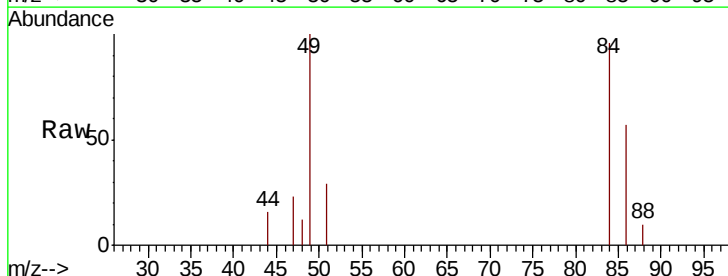
Instrument :
MSVOA_N
ClientSampled :

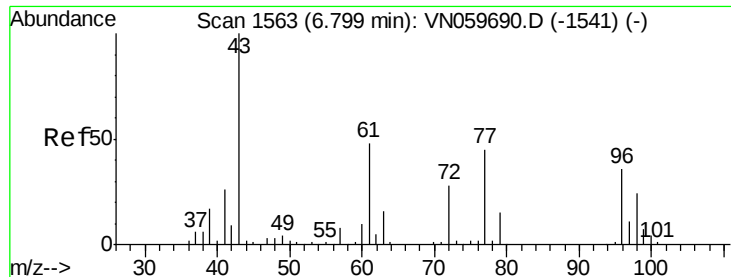
Tot Ion: 43 Resp: 3589
Ion Ratio Lower Upper
43 100
74 6.6 17.5 26.3#



#20
Methylene Chloride
Concen: 0.725 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059847.D
Acq: 24 Jan 2020 15:54

Tgt Ion: 84 Resp: 4184
Ion Ratio Lower Upper
84 100
49 104.1 106.6 160.0#
51 30.5 31.9 47.9#
86 59.7 50.8 76.2

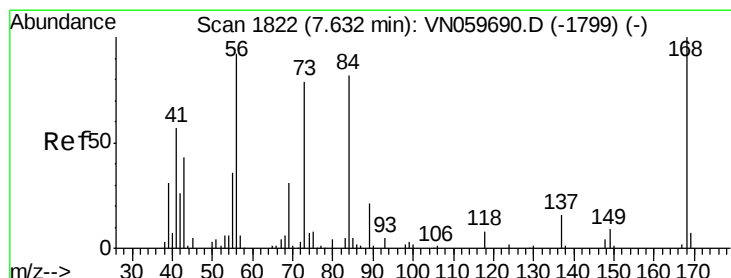
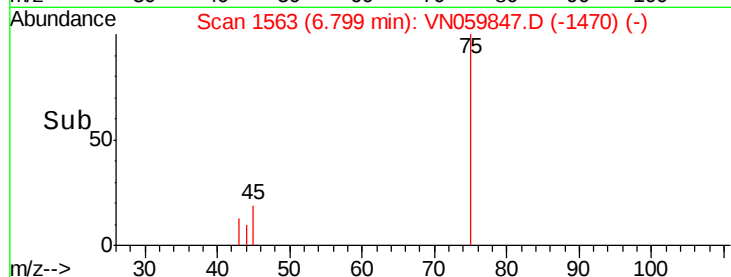
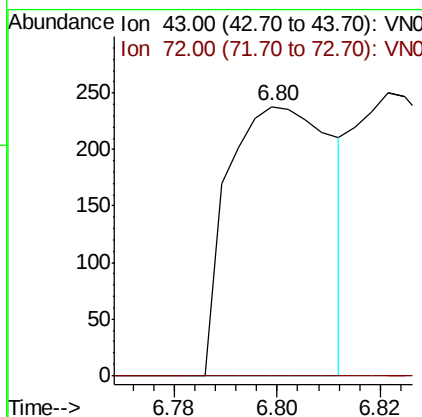
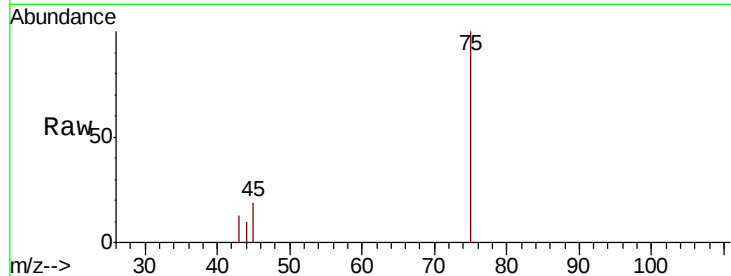




#25
2-Butanone
Concen: 0.254 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059847.D
Acq: 24 Jan 2020 15:54

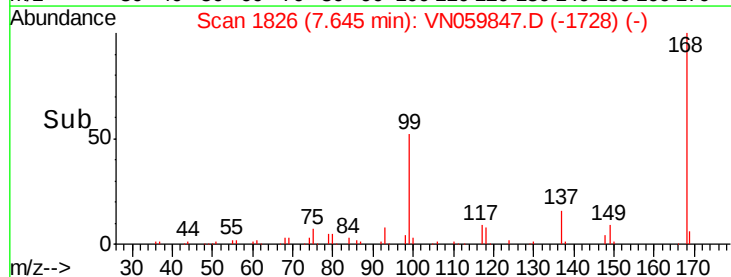
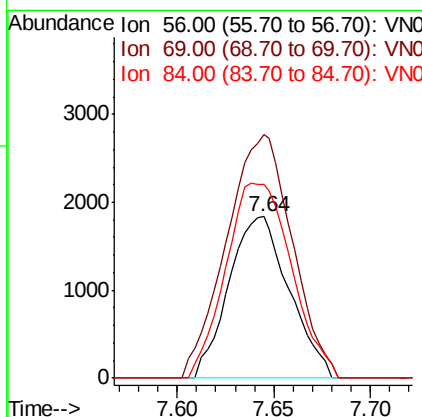
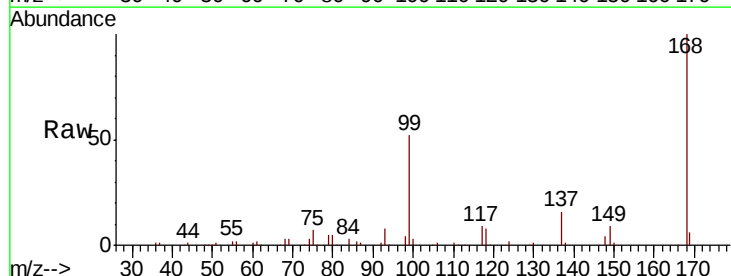
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 333
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059847.D
Acq: 24 Jan 2020 15:54

Tgt Ion: 56 Resp: 3990
Ion Ratio Lower Upper
56 100
69 151.1 26.5 39.7#
84 120.6 65.3 97.9#

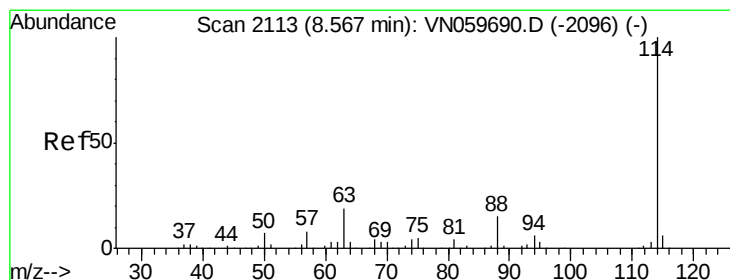
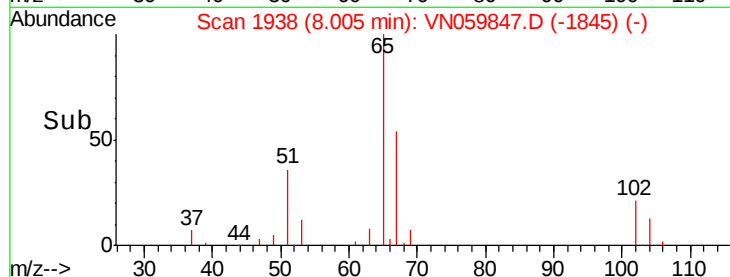
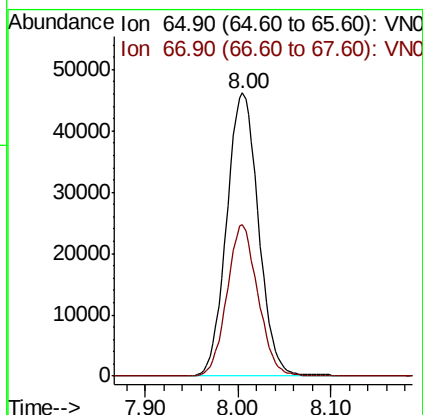
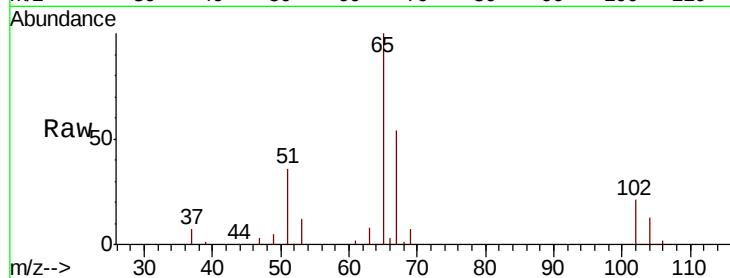




#33
 1,2-Dichloroethane-d4
 Concen: 47.665 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059847.D
 Acq: 24 Jan 2020 15:54

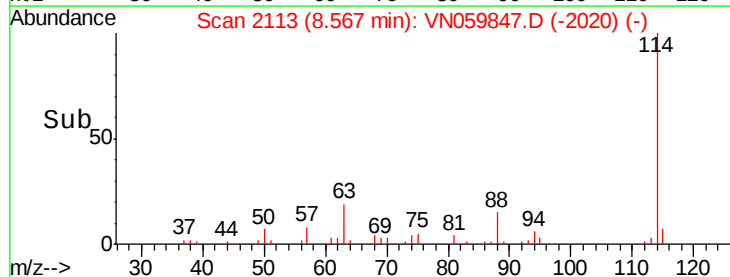
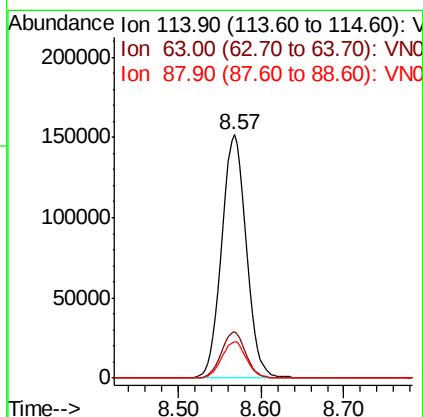
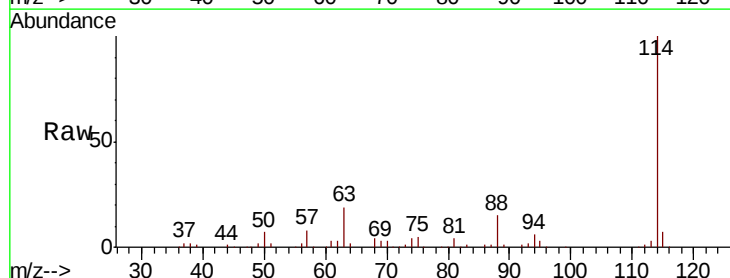
Instrument :
 MSVOA_N
 ClientSampleId :

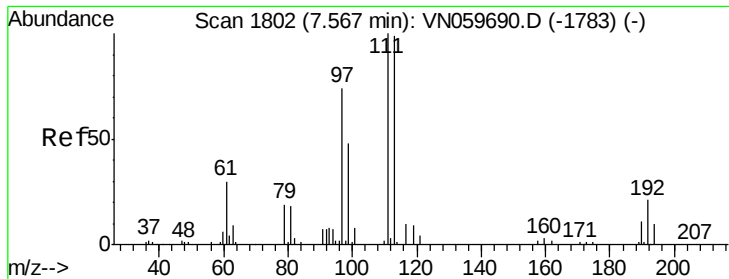
Tot Ion: 65 Resp: 110186
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059847.D
 Acq: 24 Jan 2020 15:54

Tgt Ion: 114 Resp: 313136
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 43.6
 88 15.1 0.0 31.4

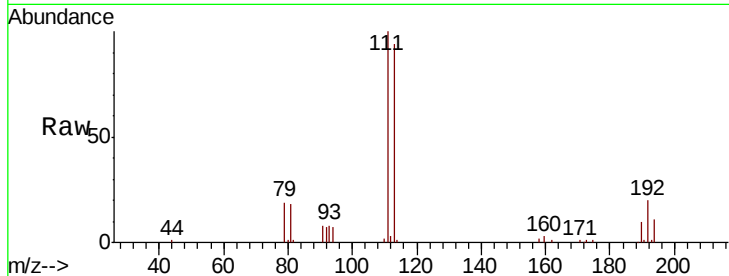




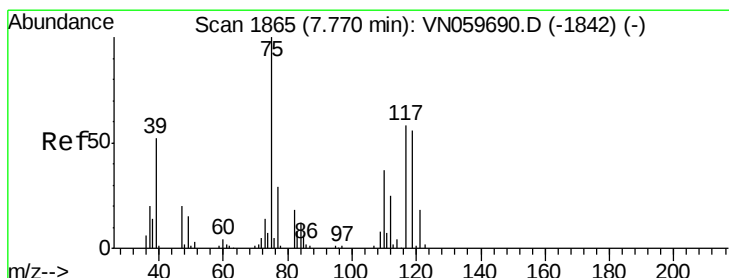
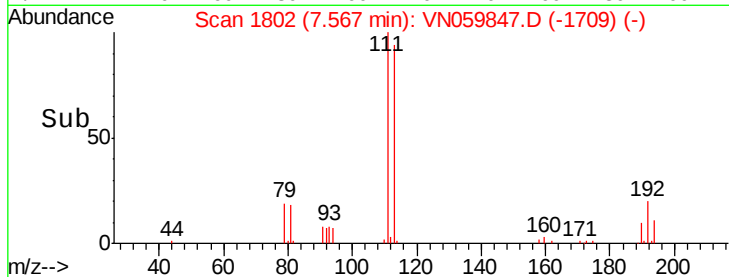
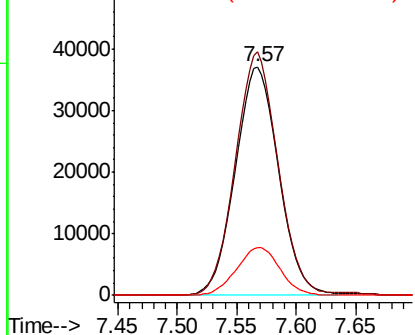
#35
 Dibromofluoromethane
 Concen: 50.188 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059847.D
 Acq: 24 Jan 2020 15:54

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 93720
 Ion Ratio Lower Upper
 113 100
 111 105.2 83.5 125.3
 192 21.0 15.4 23.2

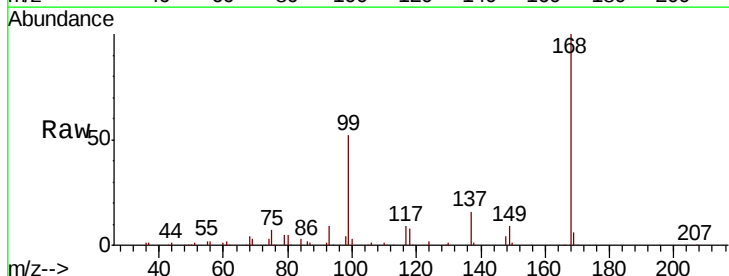


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

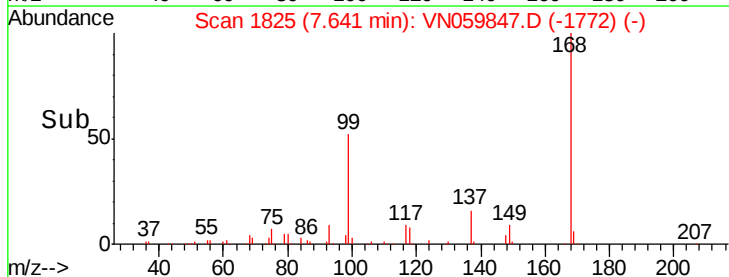
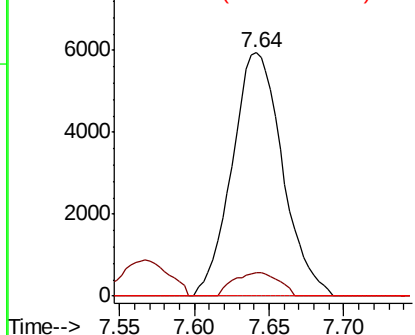


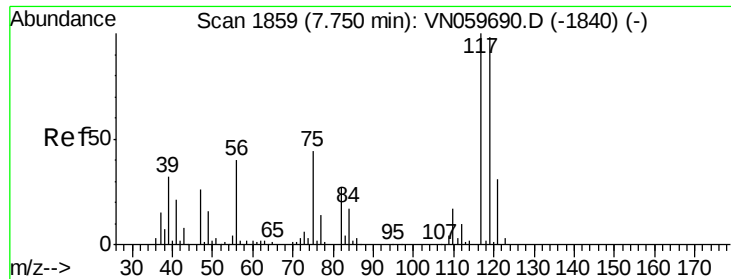
#36
 1,1-Dichloropropene
 Concen: 5.110 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059847.D
 Acq: 24 Jan 2020 15:54

Tgt Ion: 75 Resp: 13935
 Ion Ratio Lower Upper
 75 100
 110 8.7 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





#38

Carbon Tetrachloride

Concen: 6.305 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059847.D

Acq: 24 Jan 2020 15:54

Instrument :

MSVOA_N

ClientSampled :

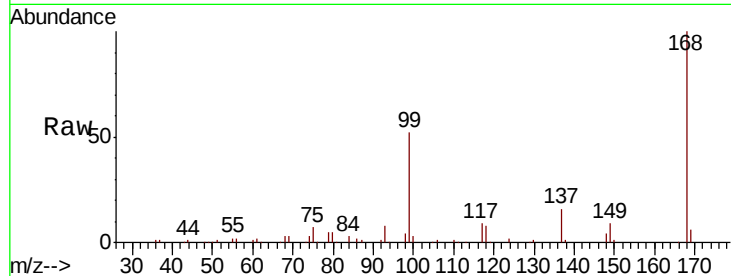
Tot Ion:117 Resp: 18703

Ion Ratio Lower Upper

117 100

119 5.4 76.5 114.7#

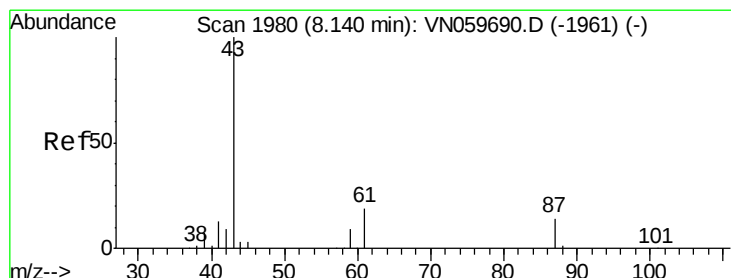
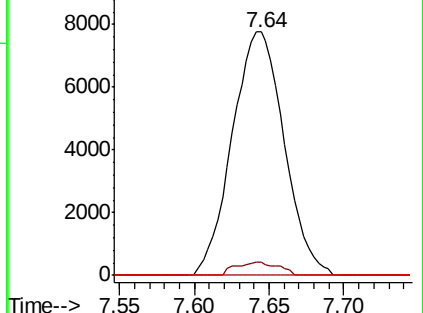
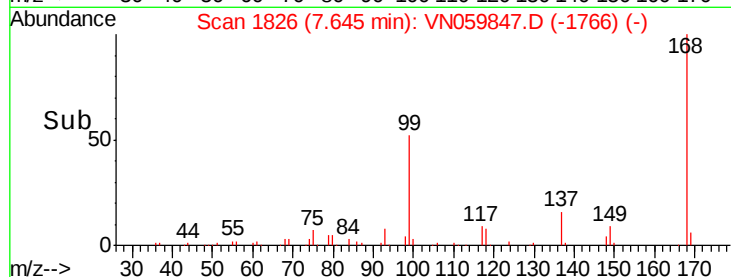
121 0.0 25.1 37.7#



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: 10.216 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059847.D

Acq: 24 Jan 2020 15:54

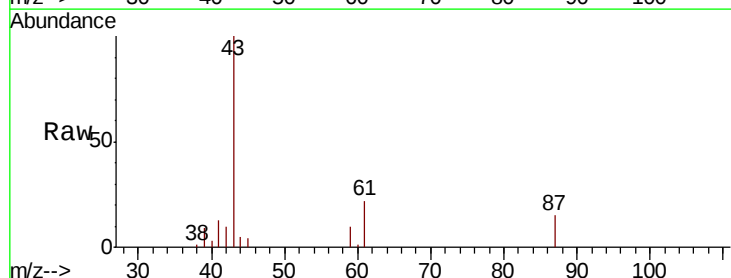
Tgt Ion: 43 Resp: 44941

Ion Ratio Lower Upper

43 100

61 20.8 20.2 30.2

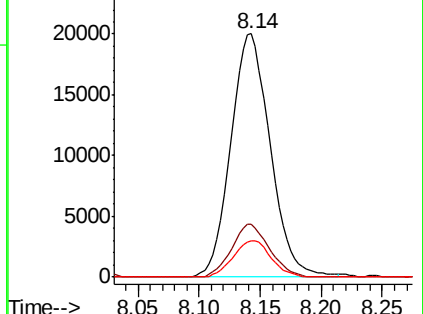
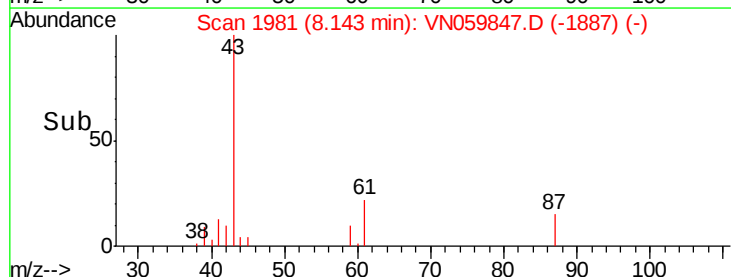
87 14.3 9.5 14.3#

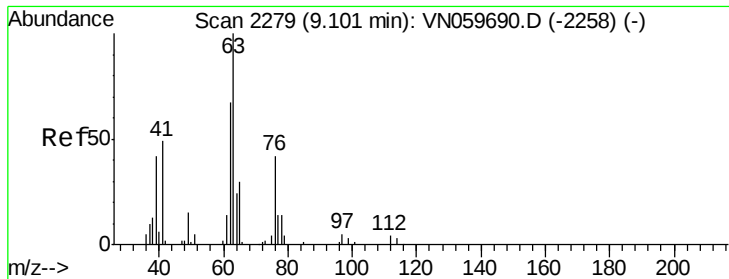


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.455 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN059847.D

Acq: 24 Jan 2020 15:54

Instrument :

MSVOA_N

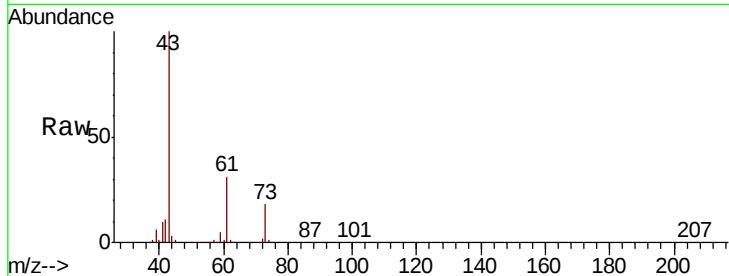
ClientSampled :

Tot Ion: 63 Resp: 916

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.25

600

500

400

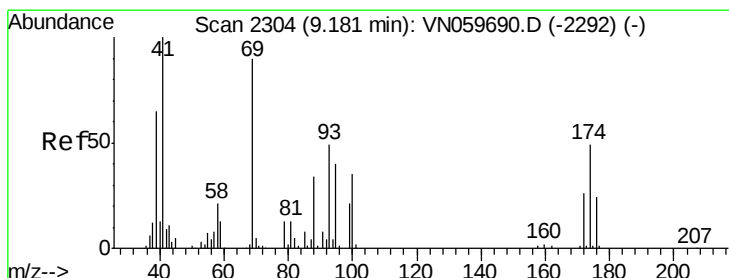
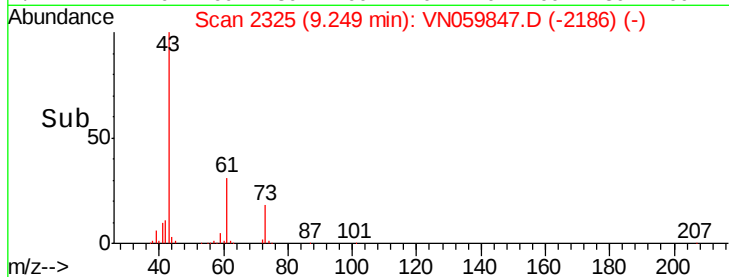
300

200

100

0

Time--> 9.20 9.22 9.24 9.26 9.28



#48

Methyl methacrylate

Concen: 1.273 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.02 min

Lab File: VN059847.D

Acq: 24 Jan 2020 15:54

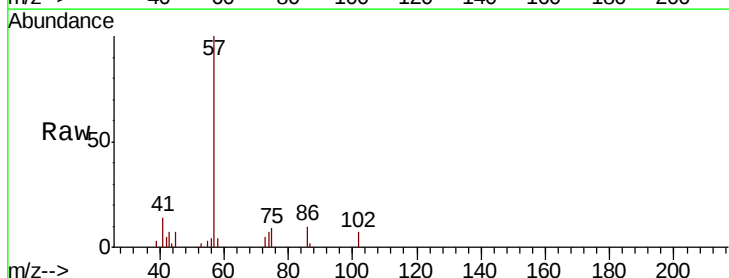
Tgt Ion: 41 Resp: 2504

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

20000

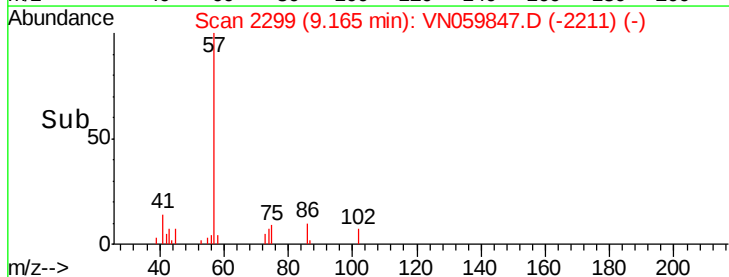
15000

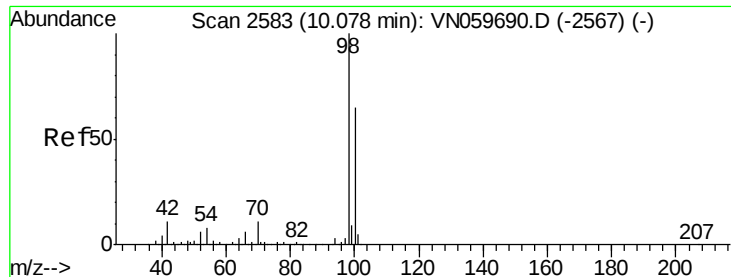
10000

5000

0

Time--> 9.10 9.15 9.20





#50

Toluene-d8

Concen: 50.979 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059847.D

Acq: 24 Jan 2020 15:54

Instrument :

MSVOA_N

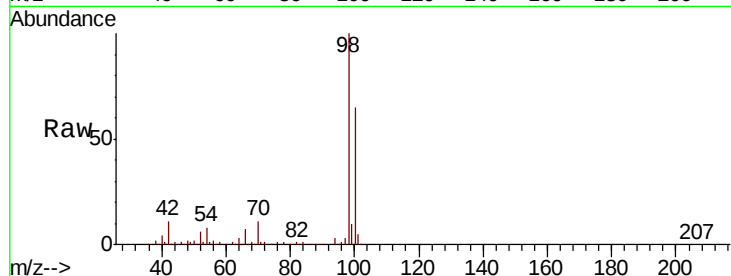
ClientSampleId :

Tot Ion: 98 Resp: 368837

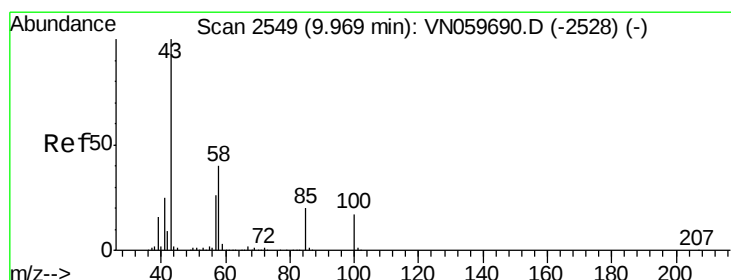
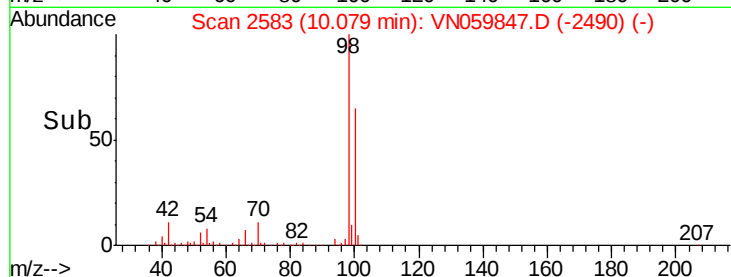
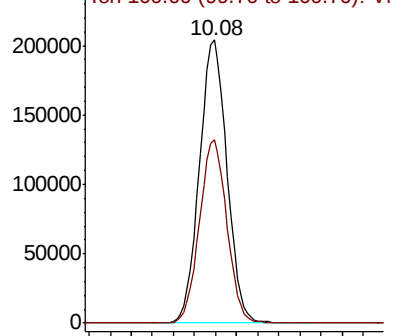
Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059847.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.015 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059847.D

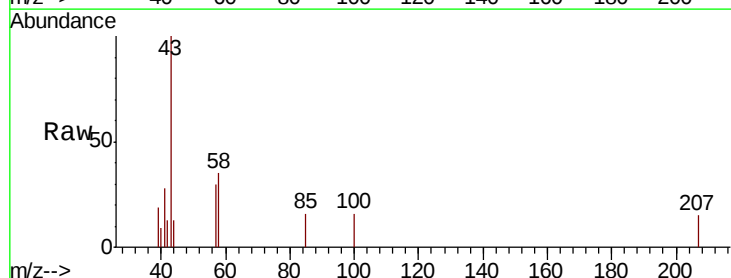
Acq: 24 Jan 2020 15:54

Tgt Ion: 43 Resp: 2581

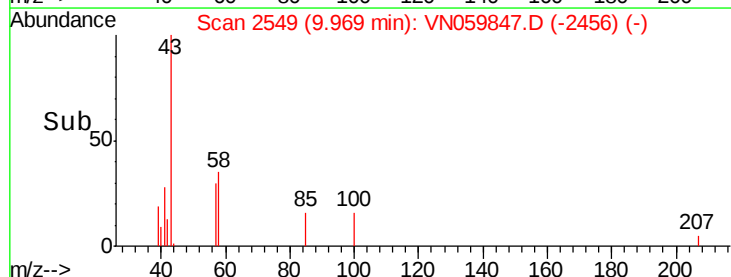
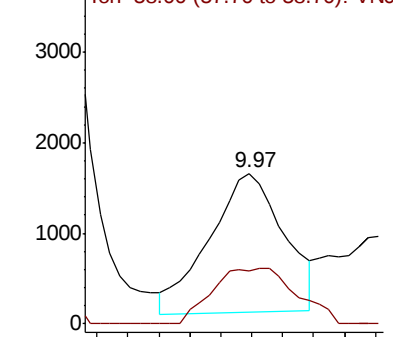
Ion Ratio Lower Upper

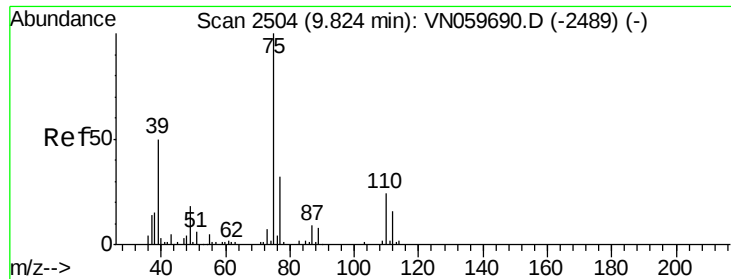
43 100

58 45.0 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VN059847.D (-2456) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.644 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN059847.D

Acq: 24 Jan 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

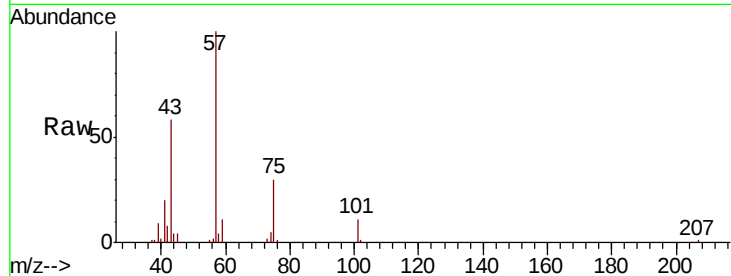
Tot Ion: 75 Resp: 22331

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

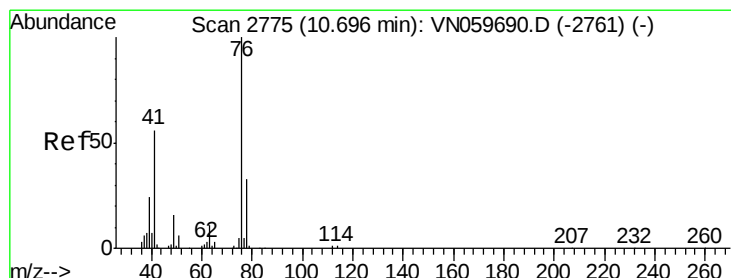
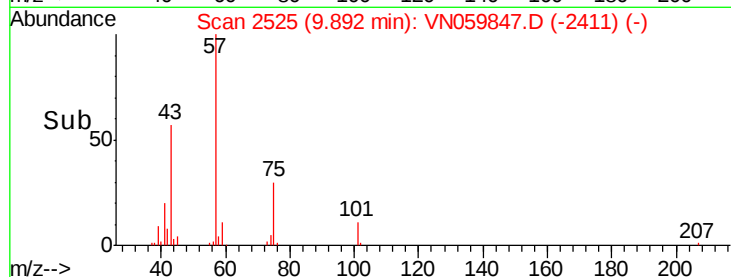
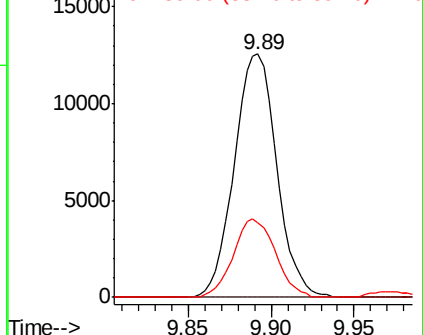
39 30.8 46.1 69.1#



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: 0.970 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN059847.D

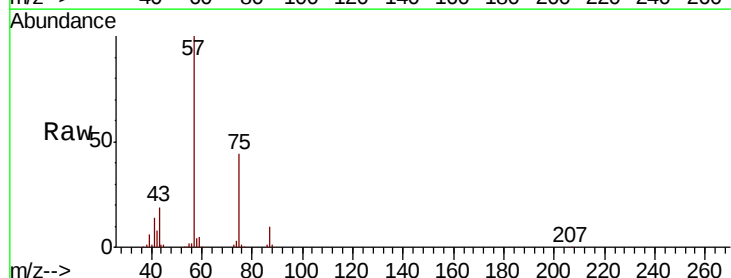
Acq: 24 Jan 2020 15:54

Tgt Ion: 76 Resp: 3133

Ion Ratio Lower Upper

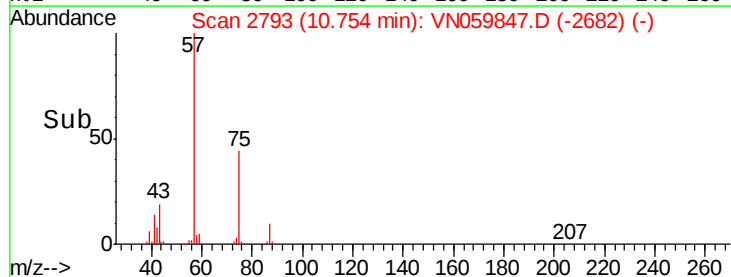
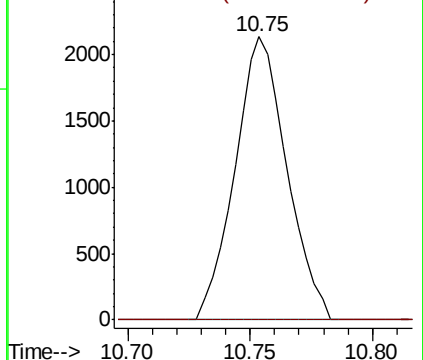
76 100

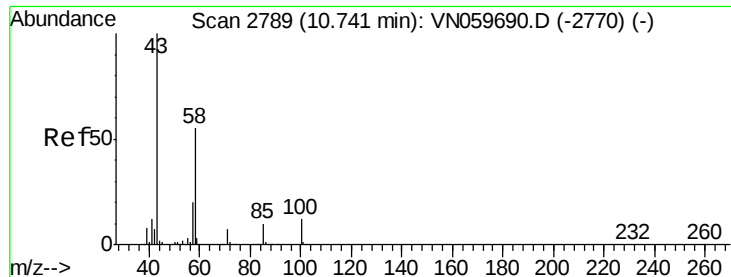
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

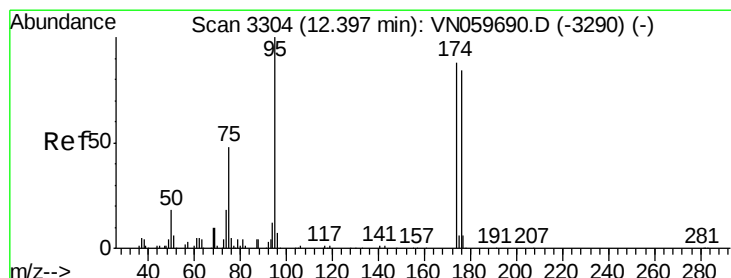
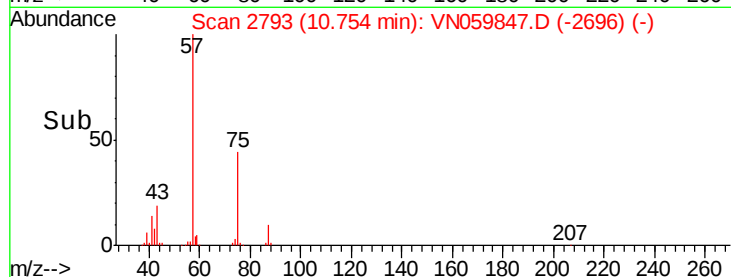
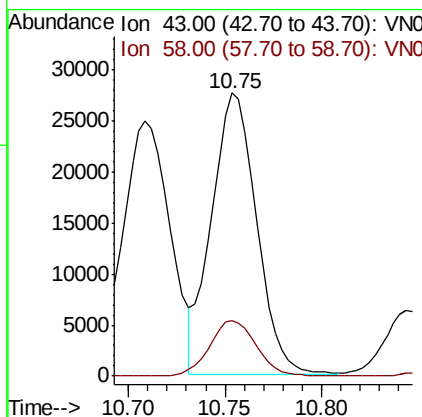
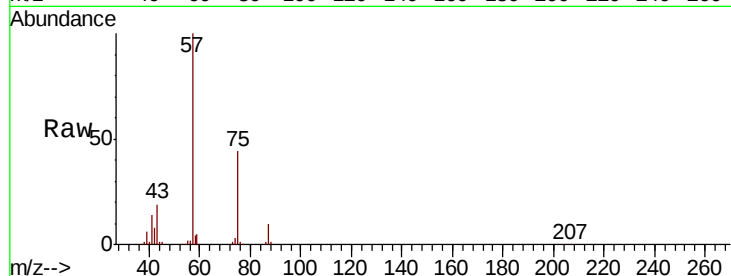




#59
2-Hexanone
Concen: 24.017 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059847.D
Acq: 24 Jan 2020 15:54

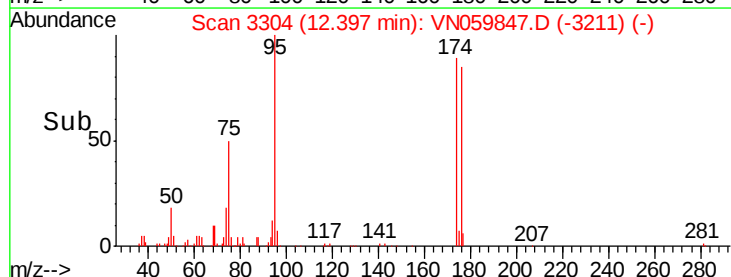
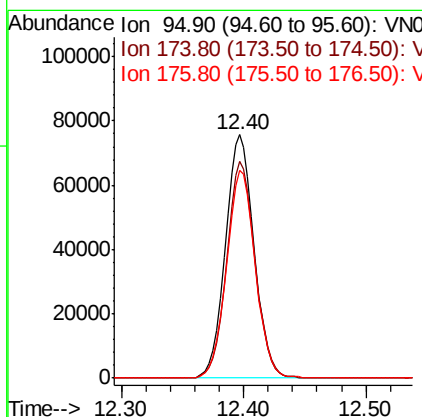
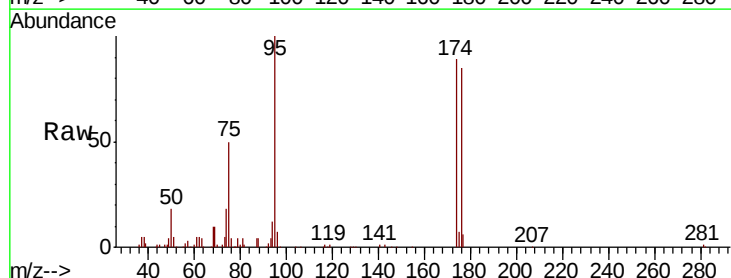
Instrument :
MSVOA_N
ClientSampled :

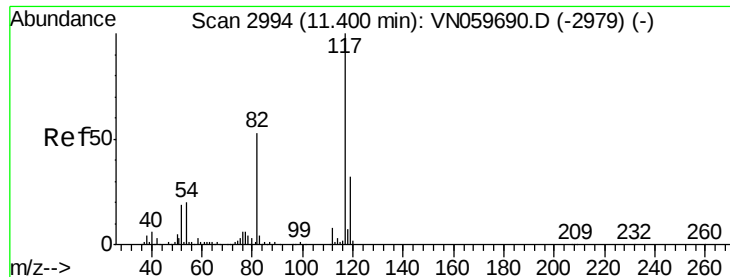
Tot Ion: 43 Resp: 44994
Ion Ratio Lower Upper
43 100
58 20.2 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 47.630 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059847.D
Acq: 24 Jan 2020 15:54

Tgt Ion: 95 Resp: 124231
Ion Ratio Lower Upper
95 100
174 88.2 0.0 151.4
176 85.6 0.0 146.0

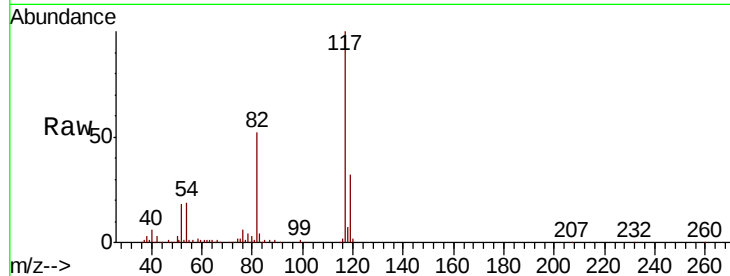




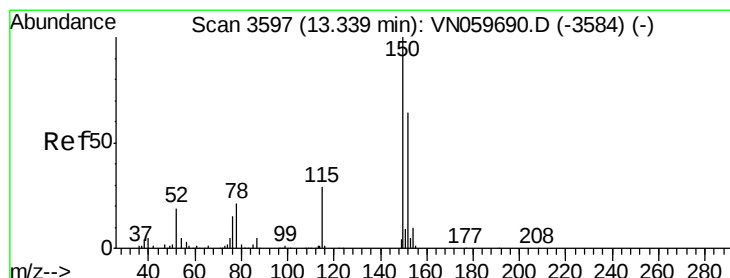
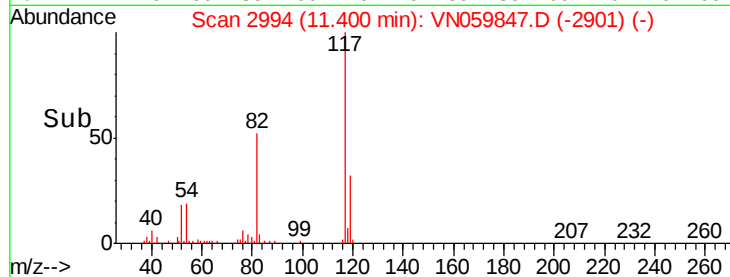
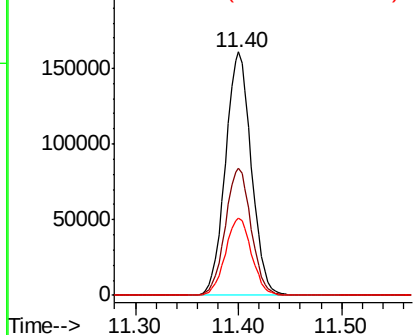
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059847.D
Acq: 24 Jan 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 281388
Ion Ratio Lower Upper
117 100
82 52.4 45.9 68.9
119 31.7 25.5 38.3

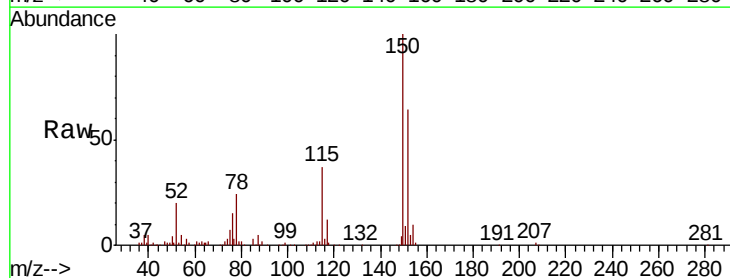


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

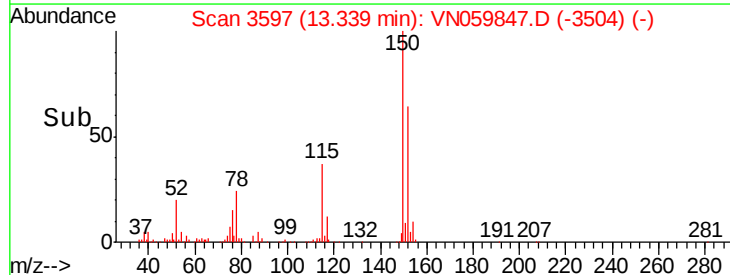
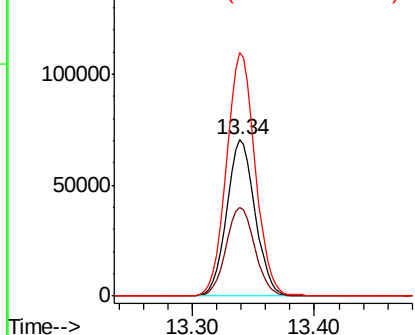


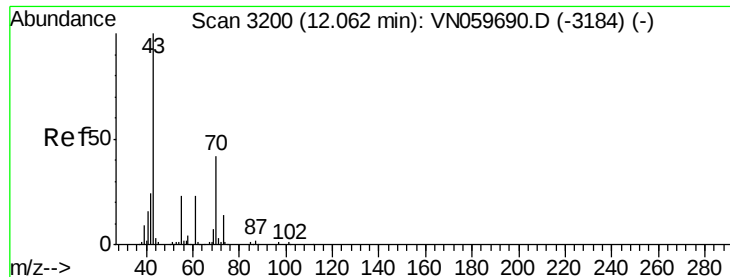
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059847.D
Acq: 24 Jan 2020 15:54

Tgt Ion:152 Resp: 115101
Ion Ratio Lower Upper
152 100
115 57.5 30.3 90.9
150 156.9 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: 0.447 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059847.D

Acq: 24 Jan 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1464

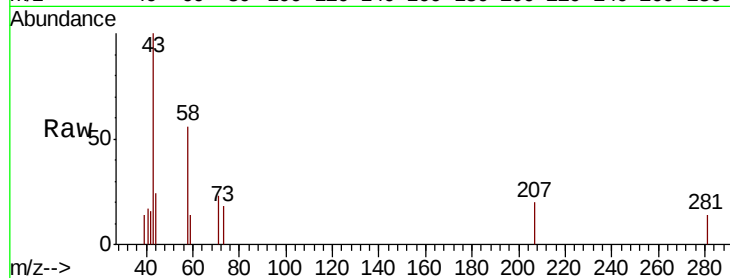
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

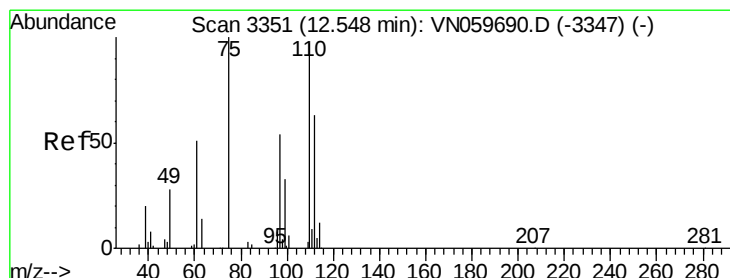
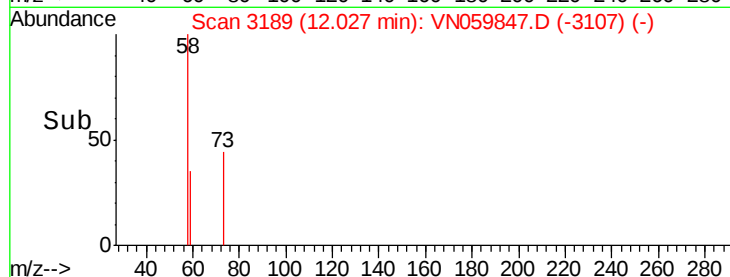
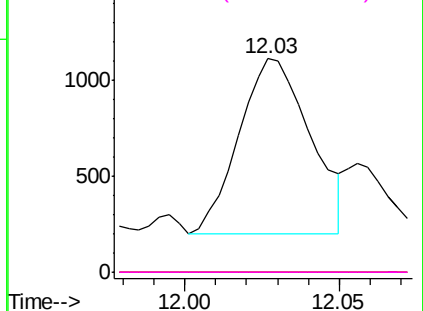


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 32.085 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059847.D

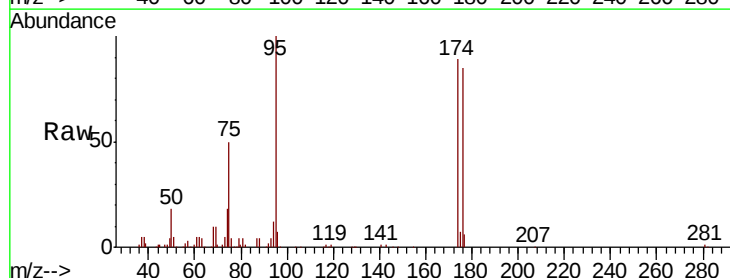
Acq: 24 Jan 2020 15:54

Tgt Ion: 75 Resp: 62150

Ion Ratio Lower Upper

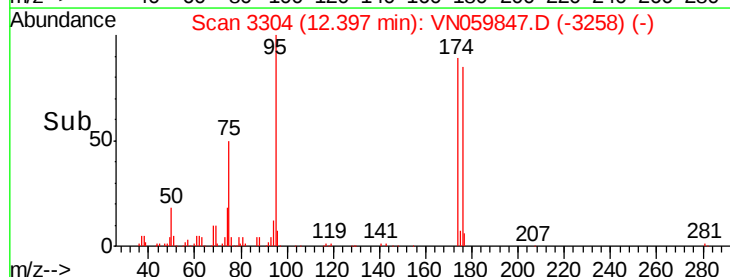
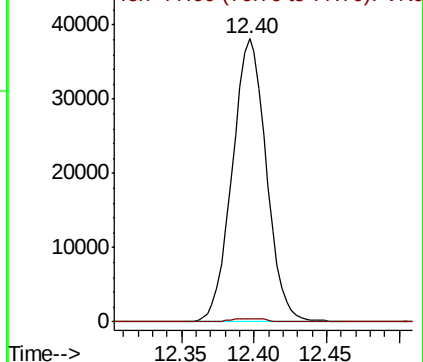
75 100

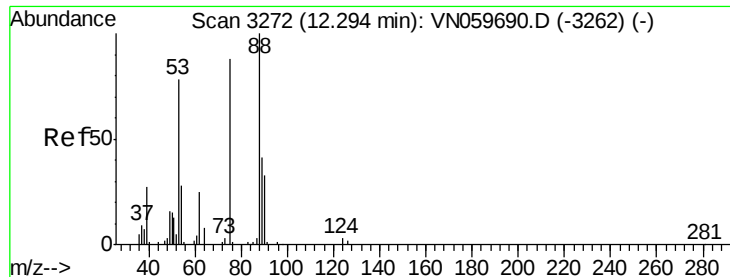
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

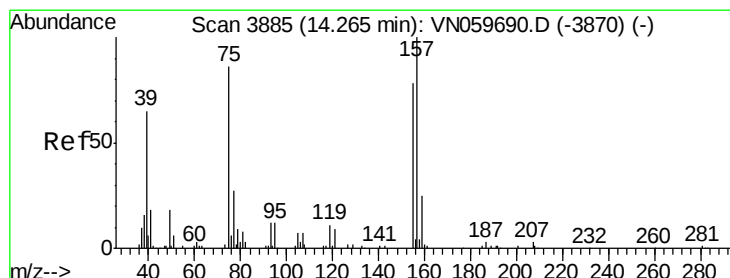
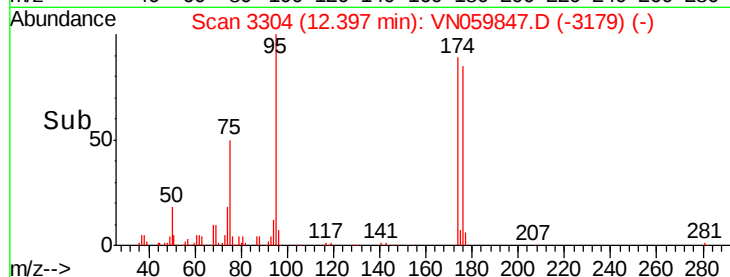
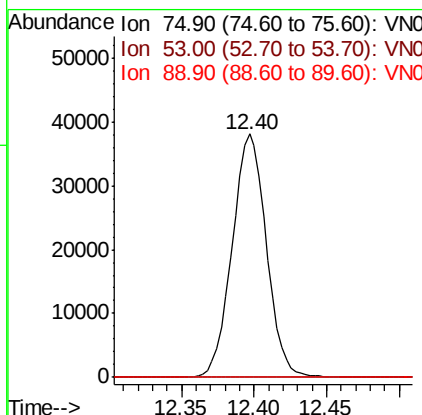
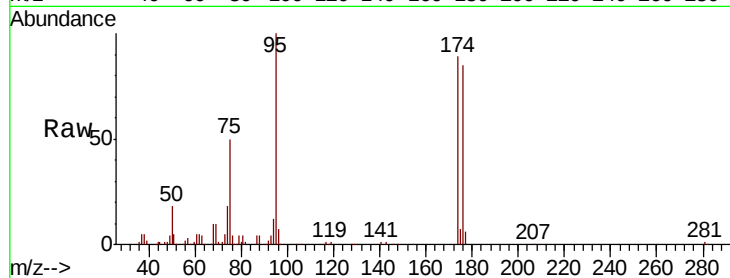




#81
trans-1,4-Dichloro-2-butene
Concen: 68.903 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059847.D
Acq: 24 Jan 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 62150
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: 14.32 min Scan# 3902
Delta R.T. 0.06 min
Lab File: VN059847.D
Acq: 24 Jan 2020 15:54

Tgt Ion: 75 Resp: 63
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#

