

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059917.D
 Acq On : 29 Jan 2020 17:07
 Operator : JC/MD
 Sample : PB126412ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:03:57 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	201897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	306547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	269114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	109719	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	108257	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
35) Dibromofluoromethane	7.57	113	91912	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.08	98	361171	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	119422	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	

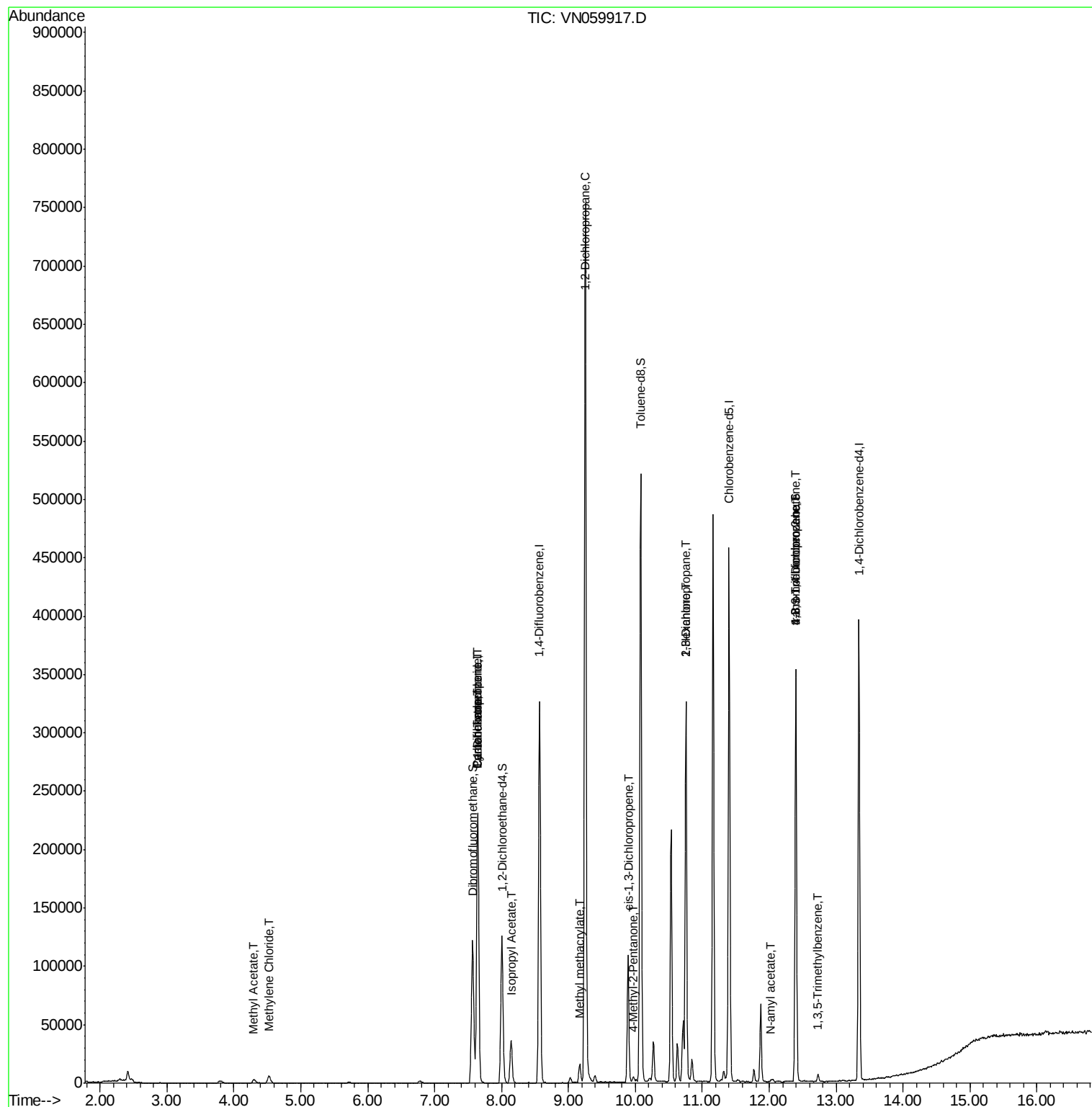
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	3676	Below Cal		92
18) Methyl Acetate	4.30	43	6723	2.567	ug/l	100
20) Methylene Chloride	4.53	84	5204	1.305	ug/l	88
31) Cyclohexane	7.64	56	4065	1.225	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13904	5.208	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18758	6.460	ug/l #	15
43) Isopropyl Acetate	8.14	43	43064	10.000	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	859	0.436	ug/l #	44
48) Methyl methacrylate	9.16	41	2273	1.180	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2523	1.013	ug/l	98
54) cis-1,3-Dichloropropene	9.89	75	21465	6.524	ug/l #	56
57) 1,3-Dichloropropane	10.76	76	3826	1.210	ug/l #	42
59) 2-Hexanone	10.75	43	45840	24.994	ug/l #	54
74) N-amyl acetate	12.02	43	1973	0.632	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	60501	32.766	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3985	0.589	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	60501	70.365	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.29	75	64	Below Cal	#	6

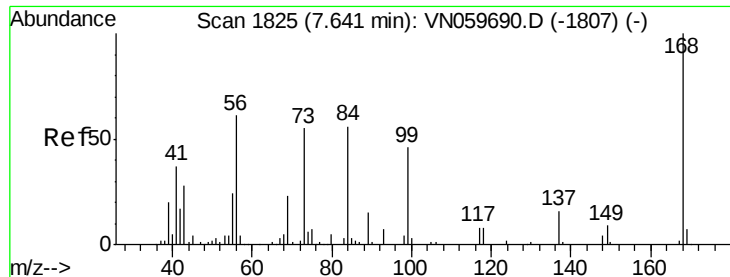
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012920\
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Quant Time: Jan 30 00:03:57 2020
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: VN059917.D

Acq: 29 Jan 2020 17:07

Instrument :

MSVOA_N

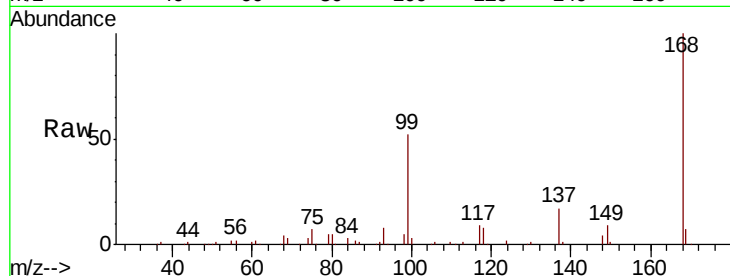
ClientSampleId :

Tot Ion:168 Resp: 201897

Ion Ratio Lower Upper

168 100

99 51.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059917.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059917.D (-1732) (-)

7.64

80000

60000

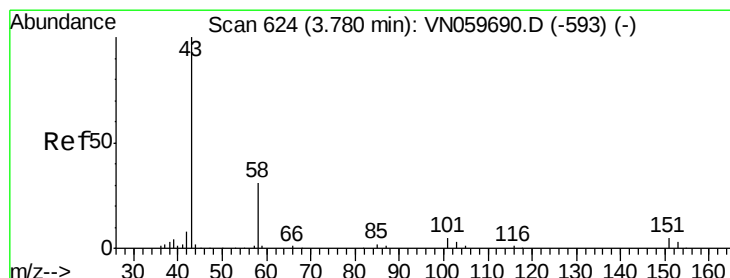
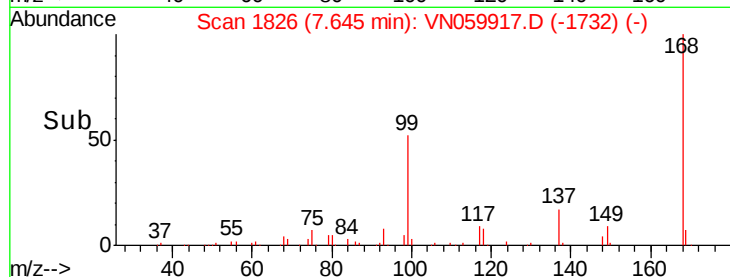
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN059917.D

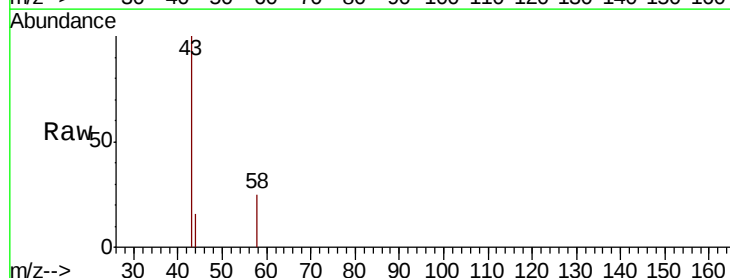
Acq: 29 Jan 2020 17:07

Tgt Ion: 43 Resp: 3676

Ion Ratio Lower Upper

43 100

58 25.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059917.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059917.D (-530) (-)

3.80

1500

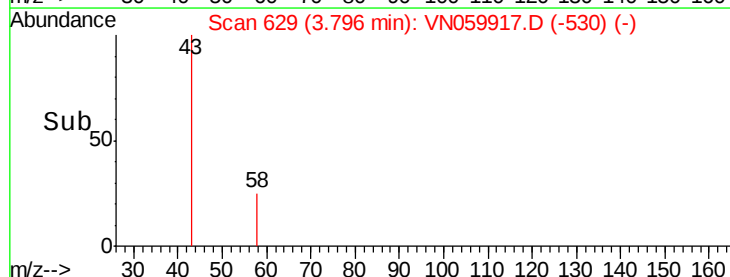
1000

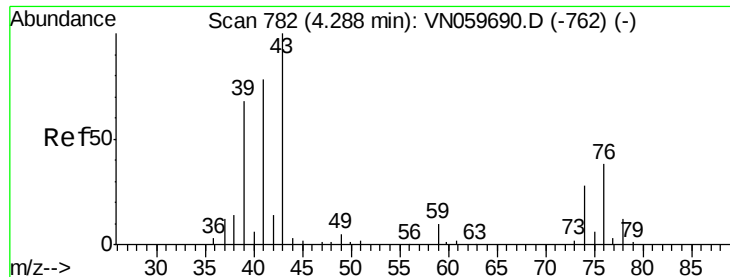
500

0

3.75 3.80 3.85

Time-->

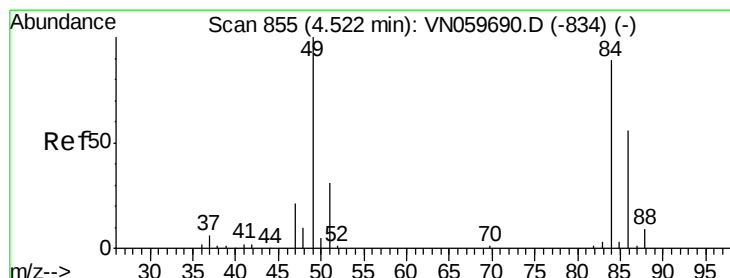
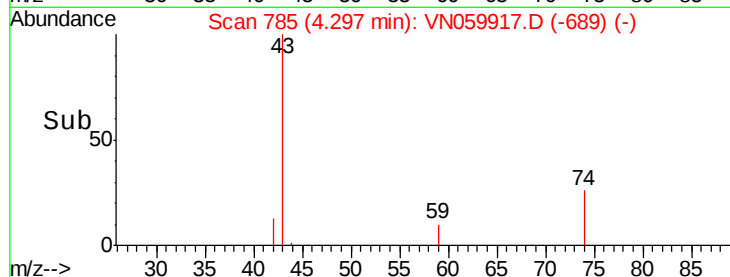
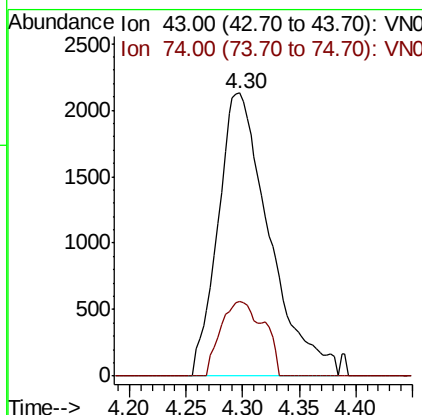
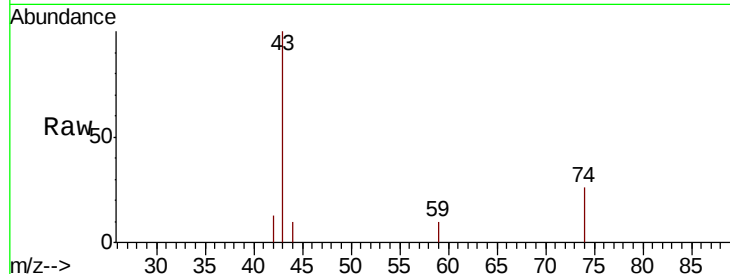




#18
Methvl Acetate
Concen: 2.567 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN059917.D
Acq: 29 Jan 2020 17:07

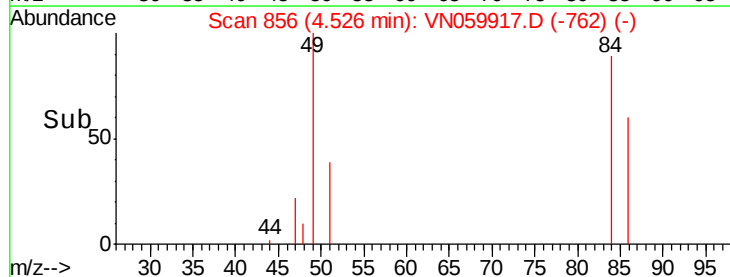
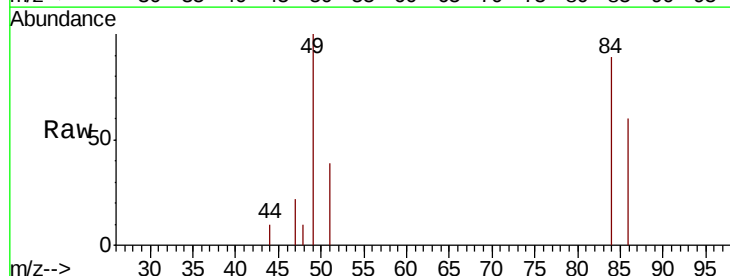
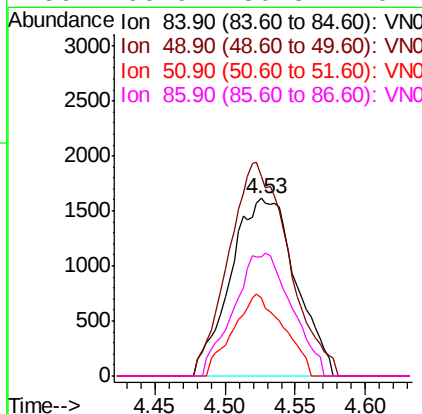
Instrument :
MSVOA_N
ClientSampled :

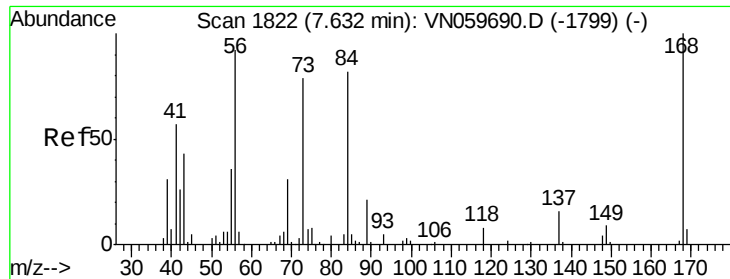
Tot Ion: 43 Resp: 6723
Ion Ratio Lower Upper
43 100
74 22.0 17.5 26.3



#20
Methylene Chloride
Concen: 1.305 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059917.D
Acq: 29 Jan 2020 17:07

Tgt Ion: 84 Resp: 5204
Ion Ratio Lower Upper
84 100
49 112.1 106.6 160.0
51 44.0 31.9 47.9
86 66.9 50.8 76.2

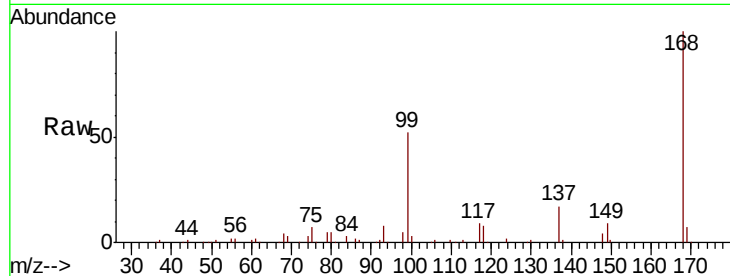




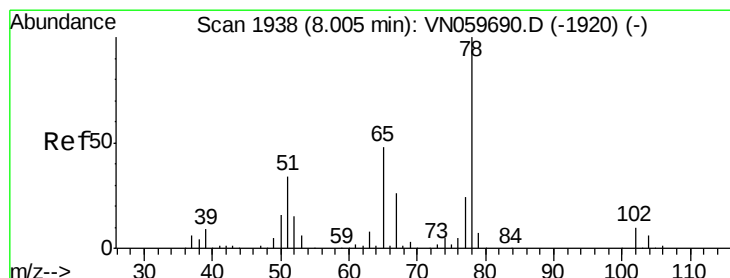
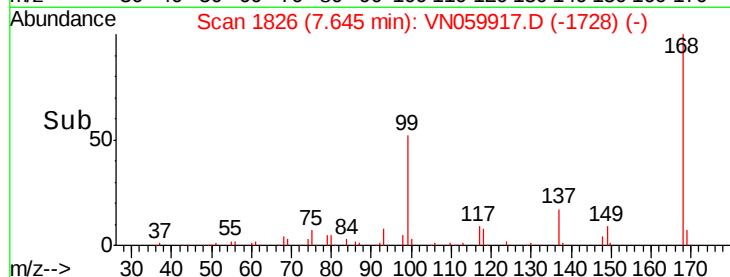
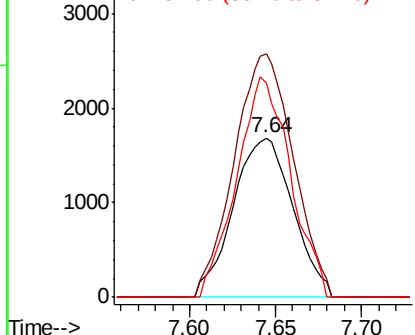
#31
Cyclohexane
Concen: 1.225 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059917.D
Acq: 29 Jan 2020 17:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4065
Ion Ratio Lower Upper
56 100
69 152.8 26.5 39.7#
84 134.4 65.3 97.9#

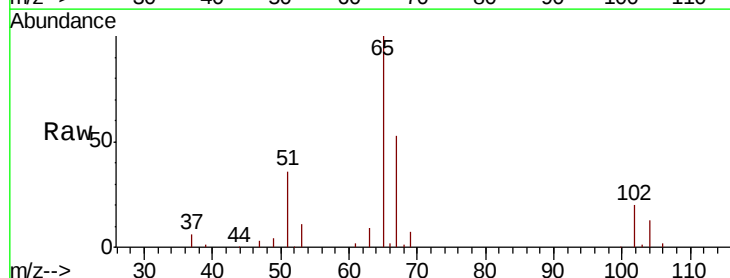


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

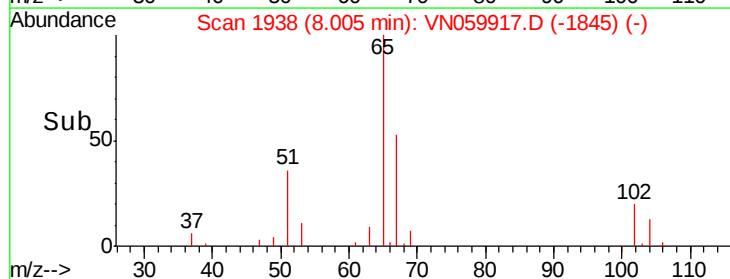
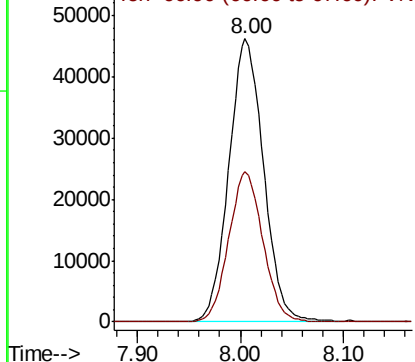


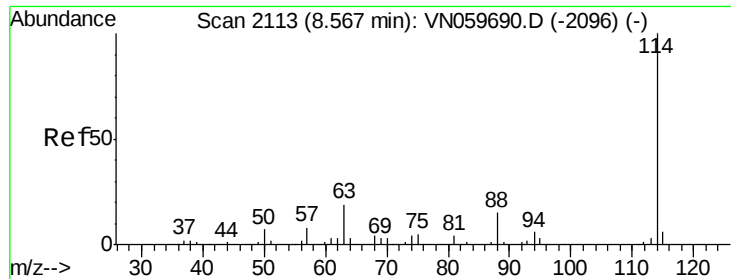
#33
1,2-Dichloroethane-d4
Concen: 48.283 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059917.D
Acq: 29 Jan 2020 17:07

Tgt Ion: 65 Resp: 108257
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

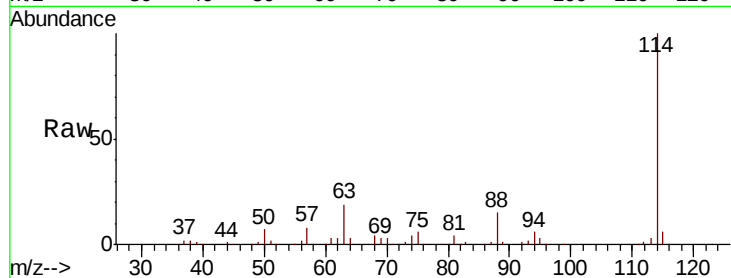




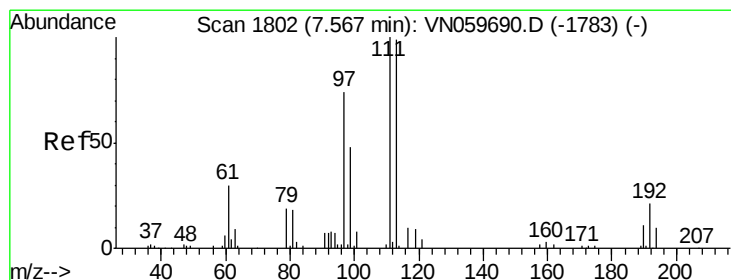
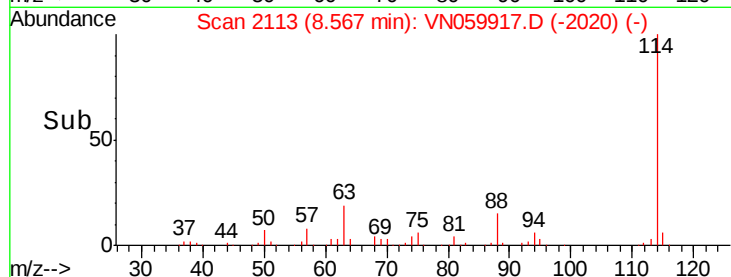
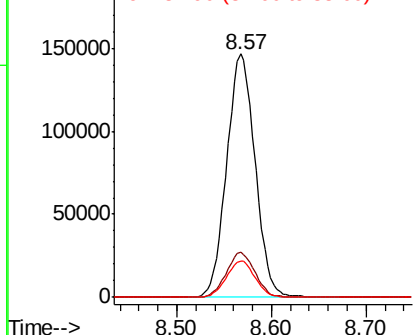
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059917.D
 Acq: 29 Jan 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	43.6
88	15.0	0.0	31.4

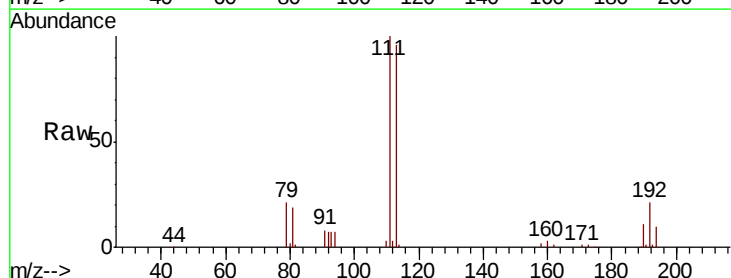


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

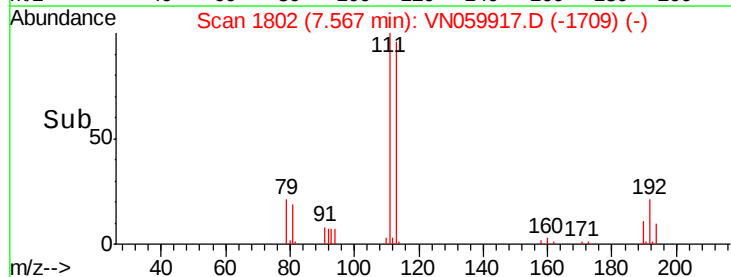
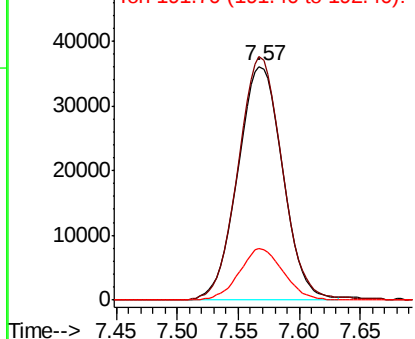


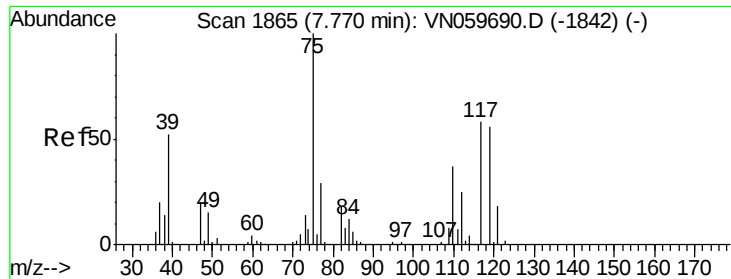
#35
 Dibromofluoromethane
 Concen: 50.278 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059917.D
 Acq: 29 Jan 2020 17:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.5	125.3
192	21.4	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

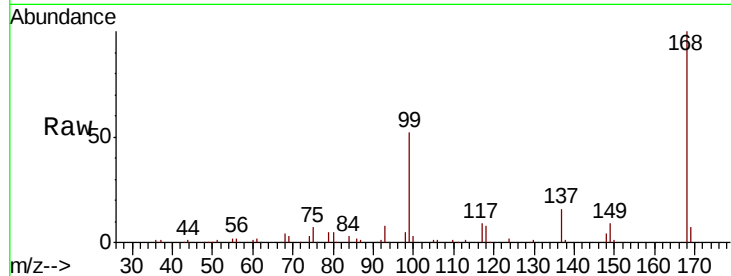




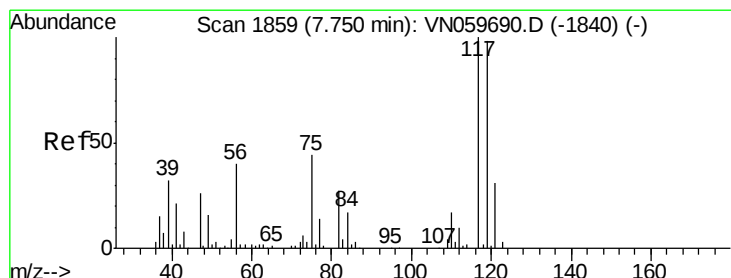
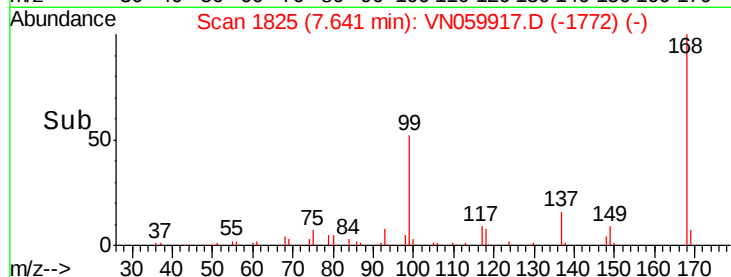
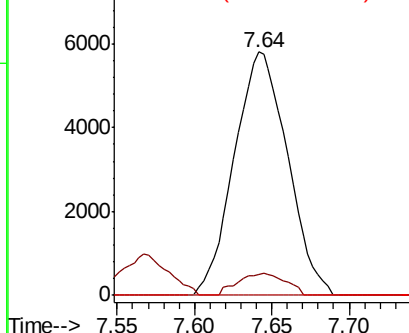
#36
 1,1-Dichloropropene
 Concen: 5.208 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059917.D
 Acq: 29 Jan 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 13904
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.6 49.7#
 77 0.0 25.1 37.7#

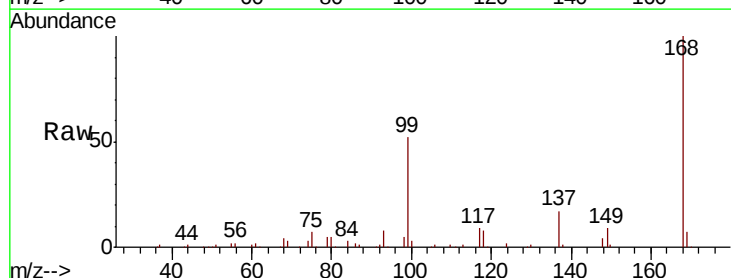


Abundance Ion 74.90 (74.60 to 75.60): VN059917.D (-1772) (-)
 Ion 109.90 (109.60 to 110.60): VN059917.D (-1772) (-)
 Ion 76.90 (76.60 to 77.60): VN059917.D (-1772) (-)

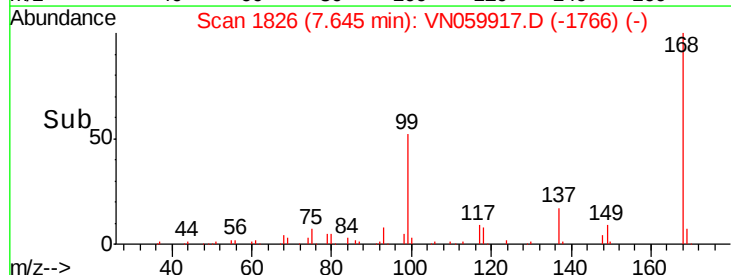
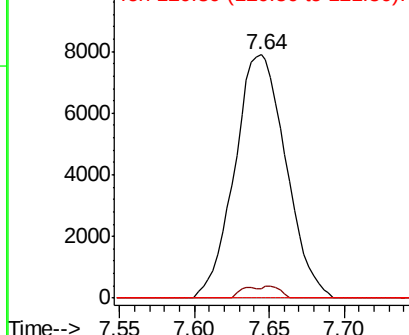


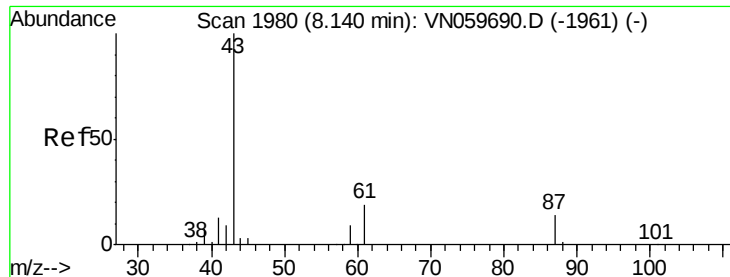
#38
 Carbon Tetrachloride
 Concen: 6.460 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059917.D
 Acq: 29 Jan 2020 17:07

Tgt Ion: 117 Resp: 18758
 Ion Ratio Lower Upper
 117 100
 119 4.1 76.5 114.7#
 121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): VN059917.D (-1766) (-)
 Ion 118.80 (118.50 to 119.50): VN059917.D (-1766) (-)
 Ion 120.80 (120.50 to 121.50): VN059917.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 10.000 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059917.D

Acq: 29 Jan 2020 17:07

Instrument :

MSVOA_N

ClientSampled :

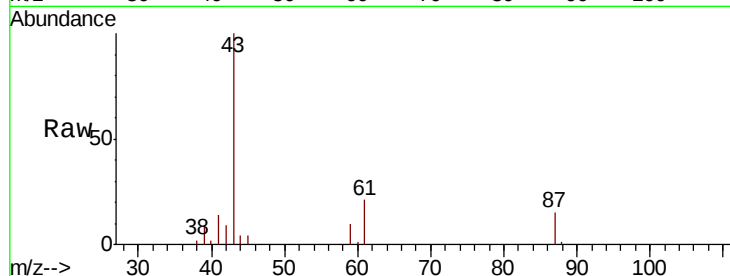
Tot Ion: 43 Resp: 43064

Ion Ratio Lower Upper

43 100

61 20.8 20.2 30.2

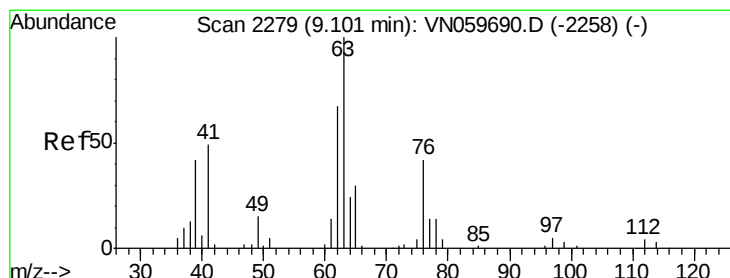
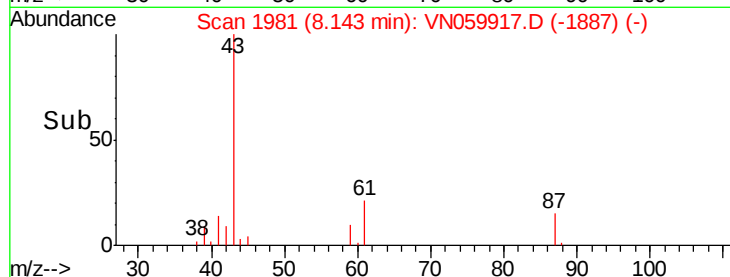
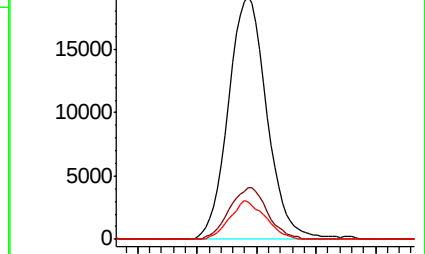
87 14.7 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059917.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059917.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059917.D (-1961) (-)



#45

1,2-Dichloropropane

Concen: 0.436 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN059917.D

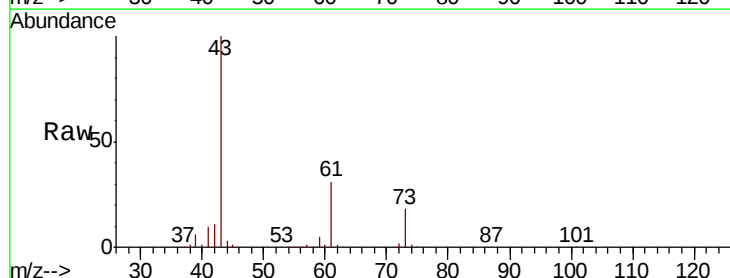
Acq: 29 Jan 2020 17:07

Tgt Ion: 63 Resp: 859

Ion Ratio Lower Upper

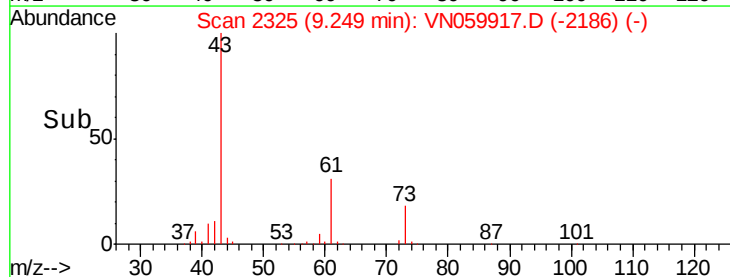
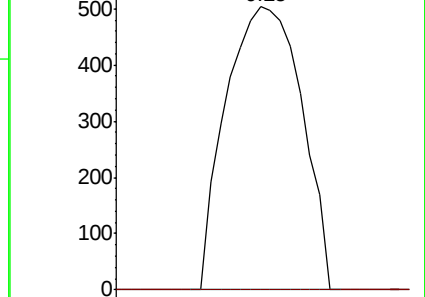
63 100

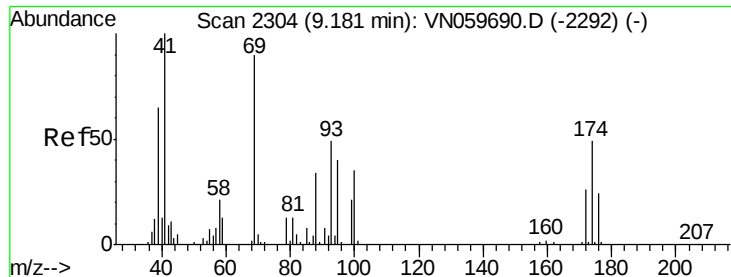
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059917.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059917.D (-2186) (-)

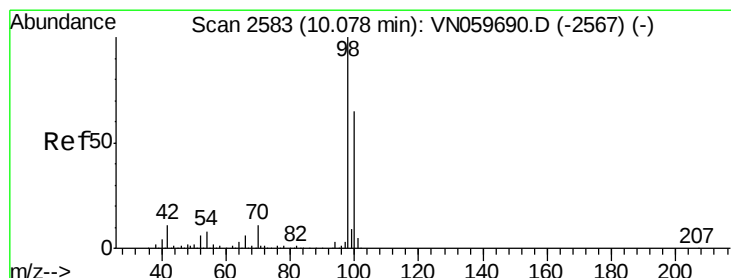
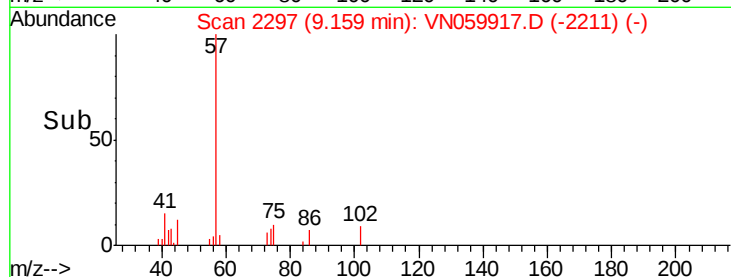
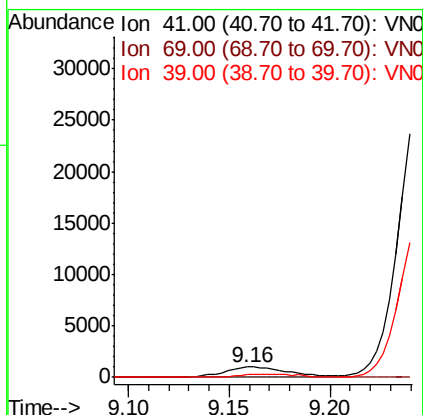
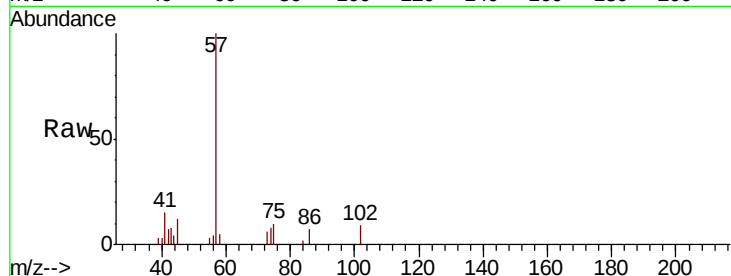




#48
Methvl methacrylate
Concen: 1.180 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN059917.D
Acq: 29 Jan 2020 17:07

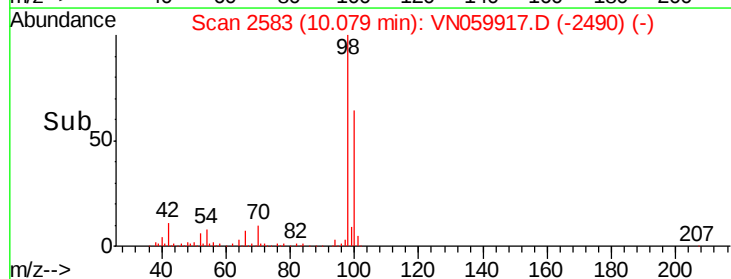
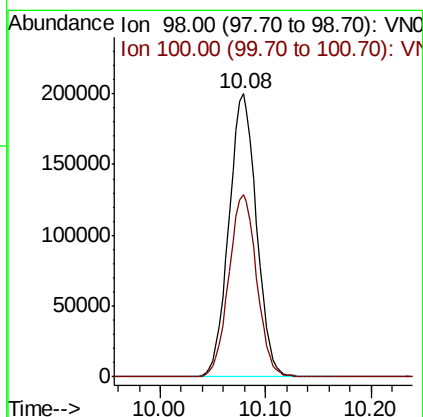
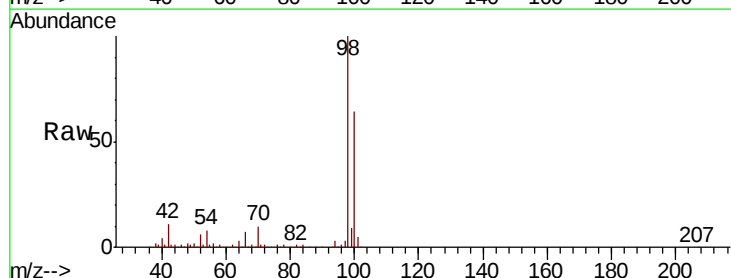
Instrument :
MSVOA_N
ClientSampled :

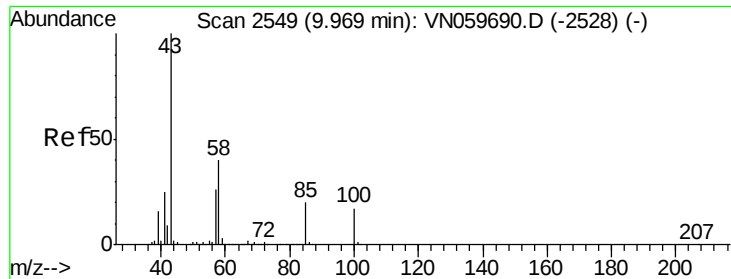
Tot Ion: 41 Resp: 2273
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 50.992 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059917.D
Acq: 29 Jan 2020 17:07

Tgt Ion: 98 Resp: 361171
Ion Ratio Lower Upper
98 100
100 65.1 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 1.013 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059917.D

Acq: 29 Jan 2020 17:07

Instrument :

MSVOA_N

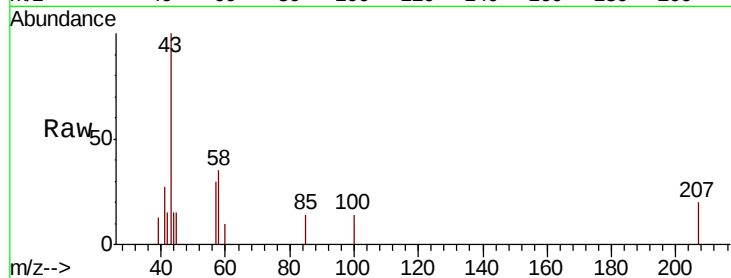
ClientSampled :

Tot Ion: 43 Resp: 2523

Ion Ratio Lower Upper

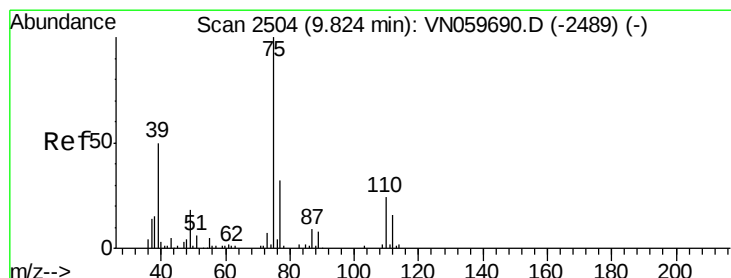
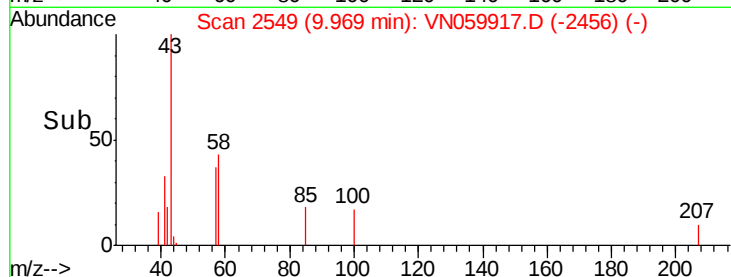
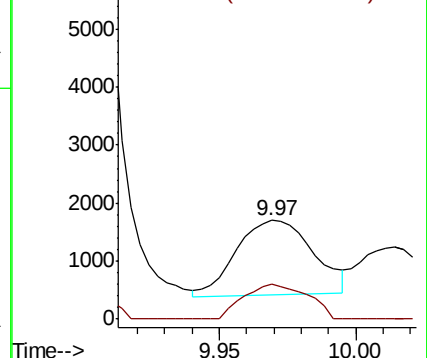
43 100

58 38.7 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.524 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN059917.D

Acq: 29 Jan 2020 17:07

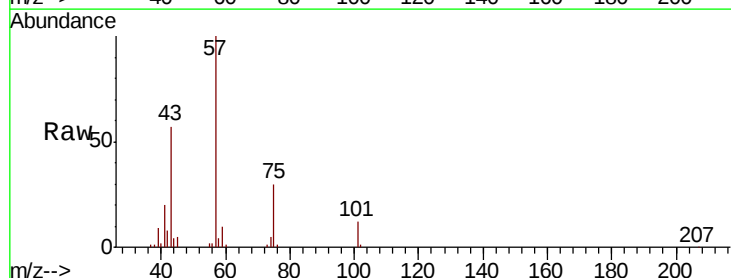
Tgt Ion: 75 Resp: 21465

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

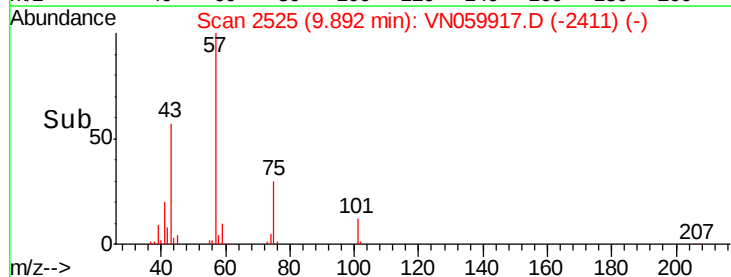
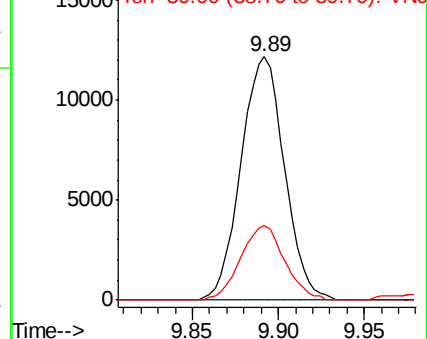
39 30.7 46.1 69.1#

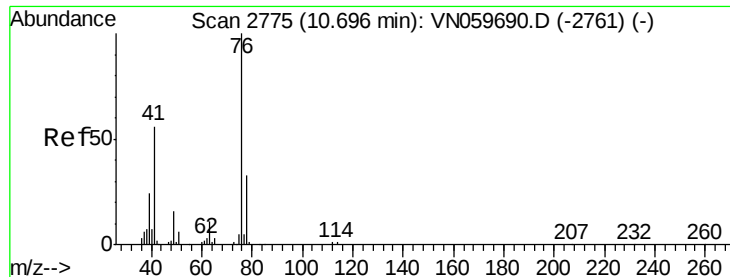


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

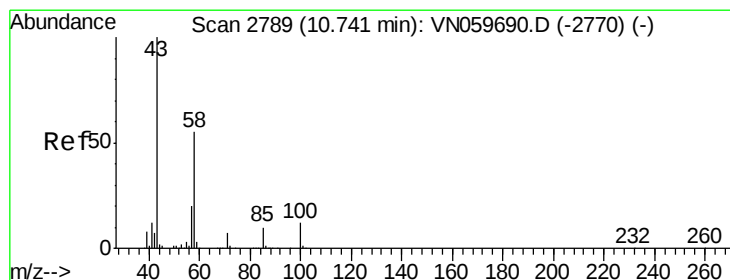
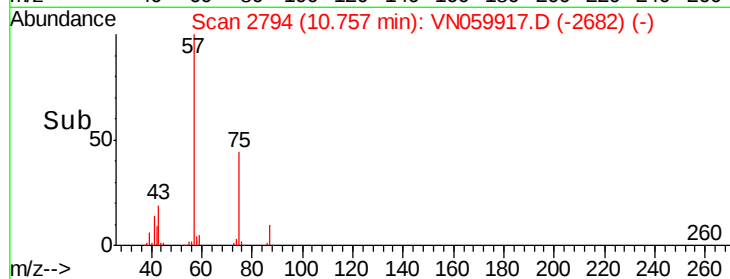
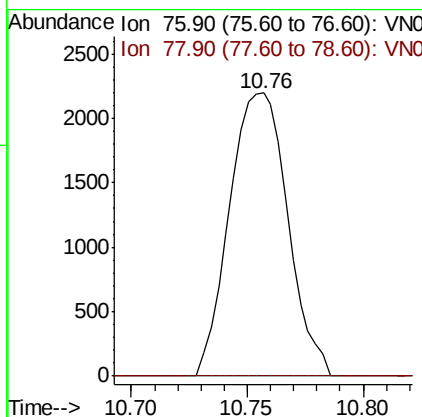
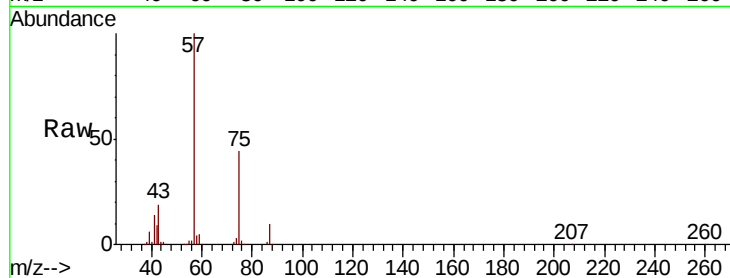




#57
 1,3-Dichloropropane
 Concen: 1.210 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN059917.D
 Acq: 29 Jan 2020 17:07

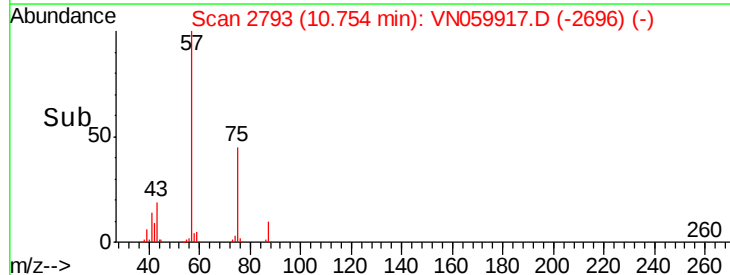
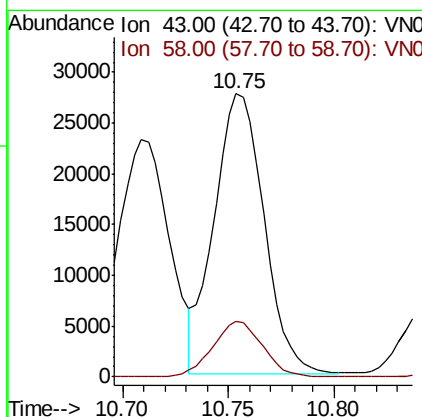
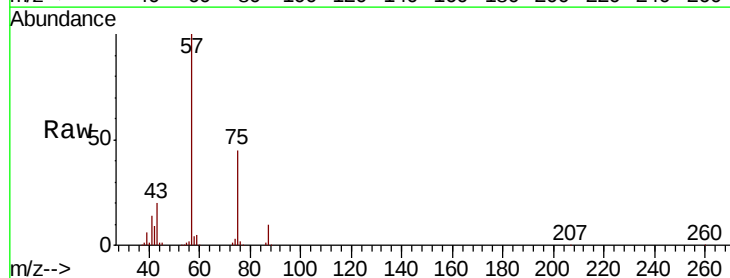
Instrument :
 MSVOA_N
 ClientSampleId :

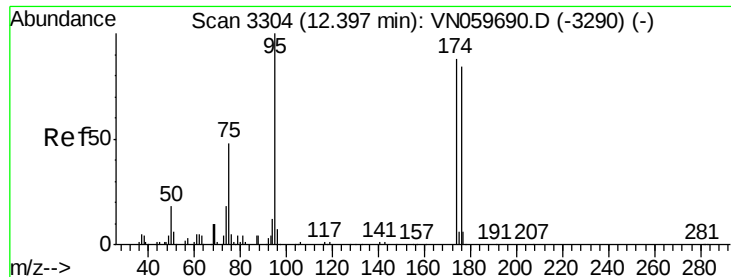
Tot Ion: 76 Resp: 3826
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 24.994 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059917.D
 Acq: 29 Jan 2020 17:07

Tgt Ion: 43 Resp: 45840
 Ion Ratio Lower Upper
 43 100
 58 19.6 25.8 77.3#

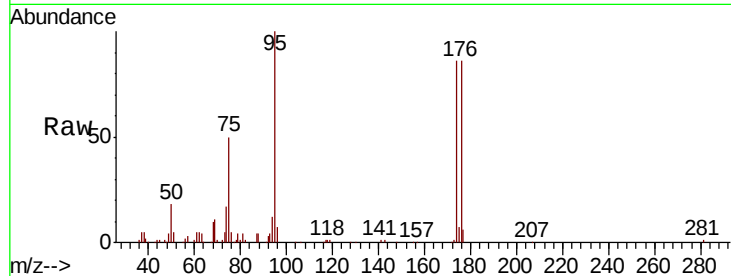




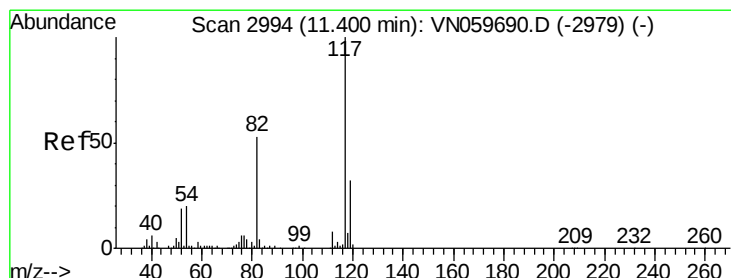
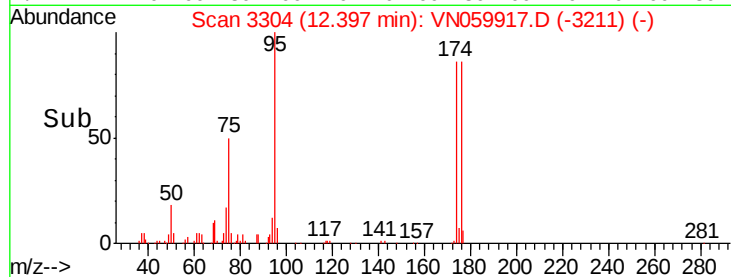
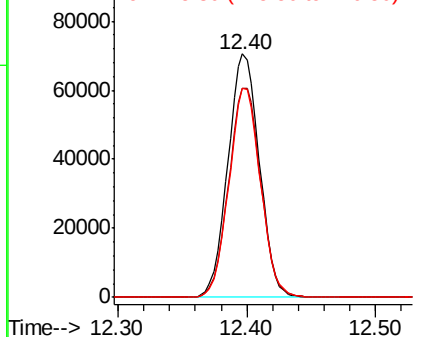
#62
4-Bromofluorobenzene
Concen: 46.770 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059917.D
Acq: 29 Jan 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 95 Resp: 119422
Ion Ratio Lower Upper
95 100
174 87.3 0.0 151.4
176 85.9 0.0 146.0

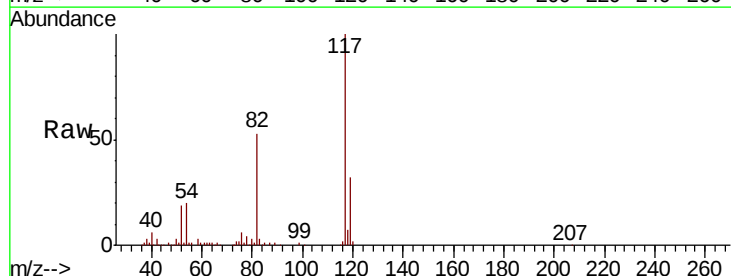


Abundance Ion 94.90 (94.60 to 95.60): VN059917.D (-3290) (-)
Ion 173.80 (173.50 to 174.50): VN059917.D (-3290) (-)
Ion 175.80 (175.50 to 176.50): VN059917.D (-3290) (-)

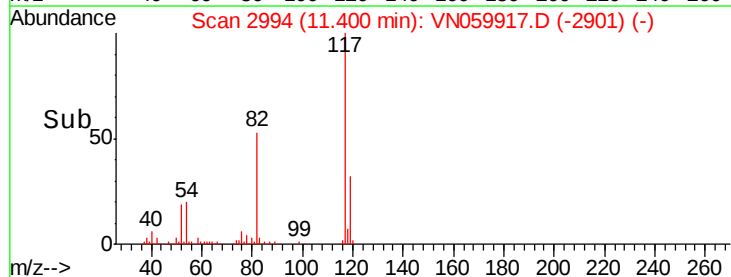
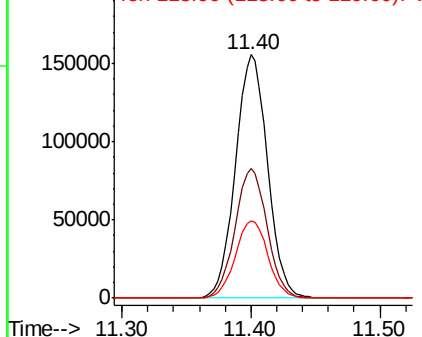


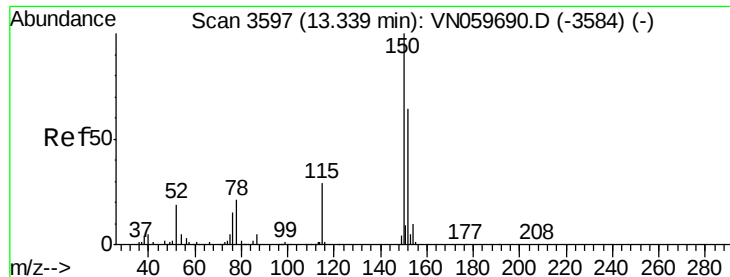
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059917.D
Acq: 29 Jan 2020 17:07

Tgt Ion: 117 Resp: 269114
Ion Ratio Lower Upper
117 100
82 53.1 45.9 68.9
119 32.0 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN059917.D (-2979) (-)
Ion 82.00 (81.70 to 82.70): VN059917.D (-2979) (-)
Ion 118.90 (118.60 to 119.60): VN059917.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059917.D

Acq: 29 Jan 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

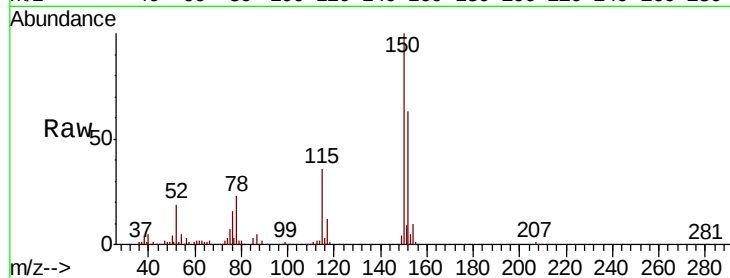
Tot Ion:152 Resp: 109719

Ion Ratio Lower Upper

152 100

115 57.3 30.3 90.9

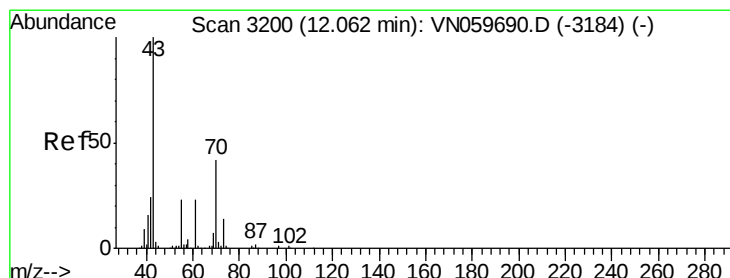
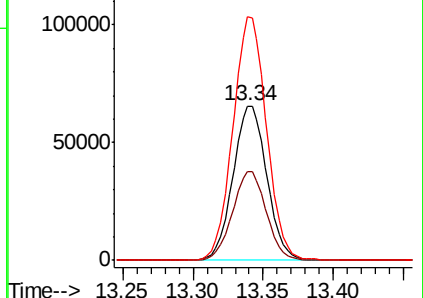
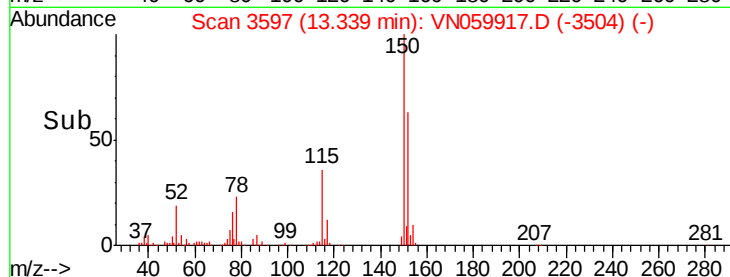
150 157.1 0.0 345.2



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: 0.632 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN059917.D

Acq: 29 Jan 2020 17:07

Tgt Ion: 43 Resp: 1973

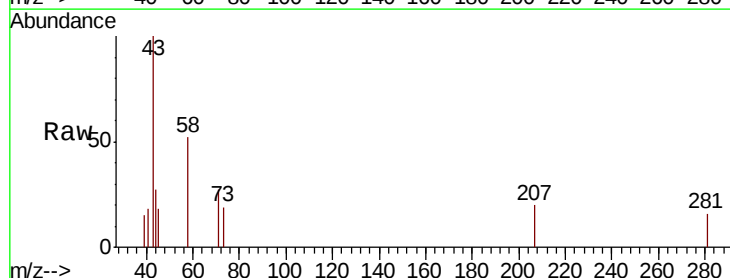
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

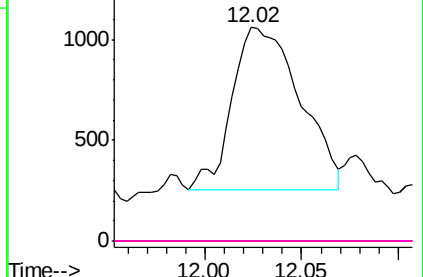
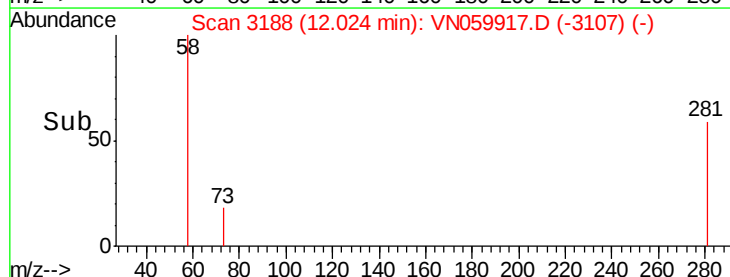


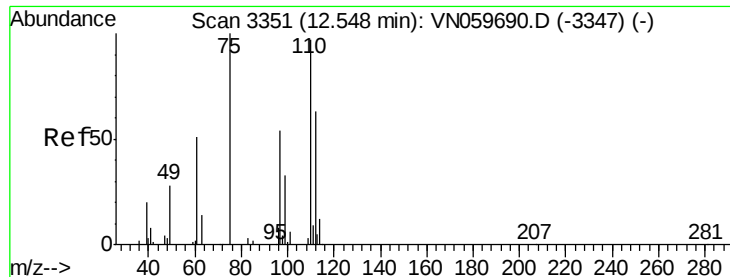
Abundance Ion 43.00 (42.70 to 43.70): VNO

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

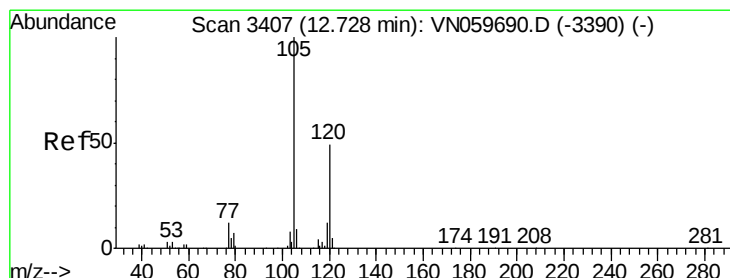
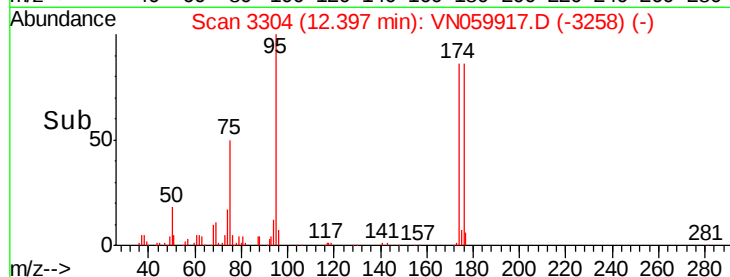
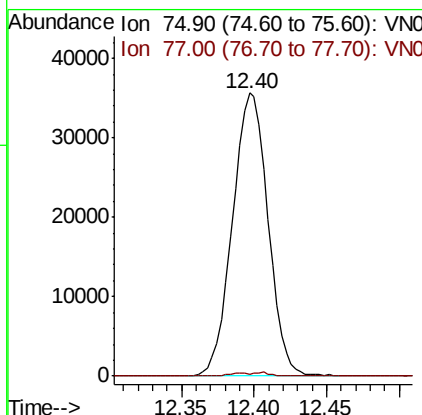
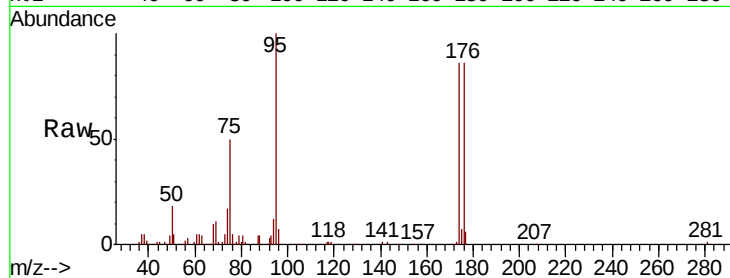




#76
 1,2,3-Trichloropropane
 Concen: 32.766 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN059917.D
 Acq: 29 Jan 2020 17:07

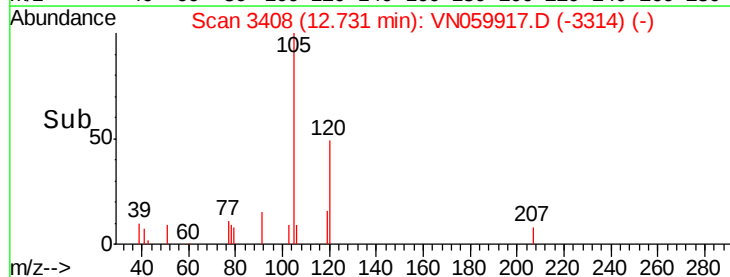
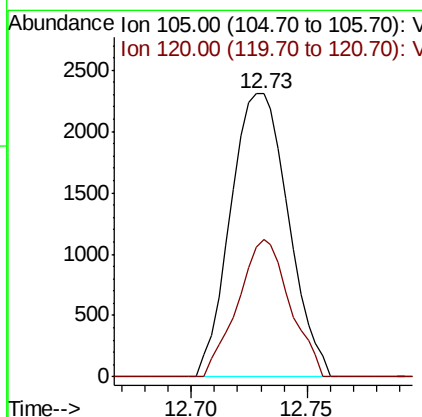
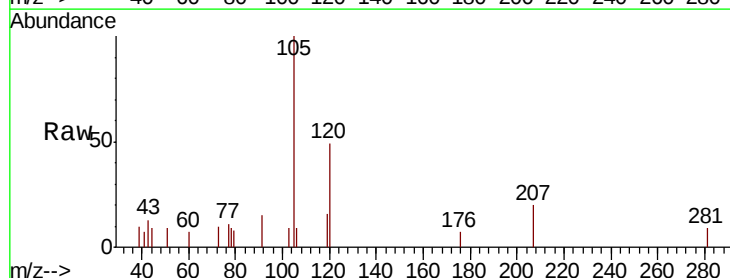
Instrument :
 MSVOA_N
 ClientSampled :

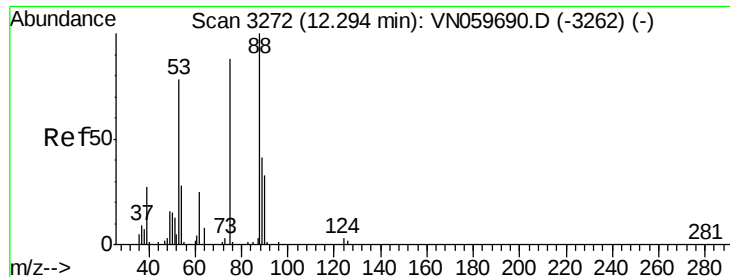
Tot Ion: 75 Resp: 60501
 Ion Ratio Lower Upper
 75 100
 77 0.5 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.589 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN059917.D
 Acq: 29 Jan 2020 17:07

Tgt Ion: 105 Resp: 3985
 Ion Ratio Lower Upper
 105 100
 120 43.8 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 70.365 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059917.D

Acq: 29 Jan 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

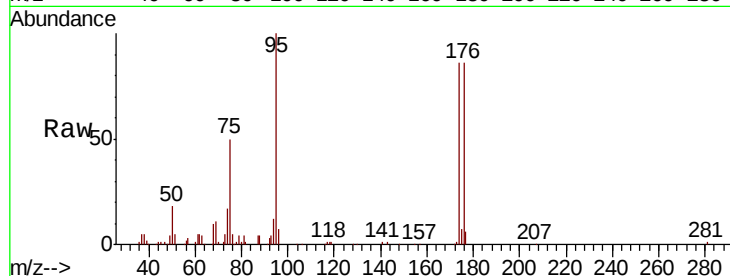
Tot Ion: 75 Resp: 60501

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

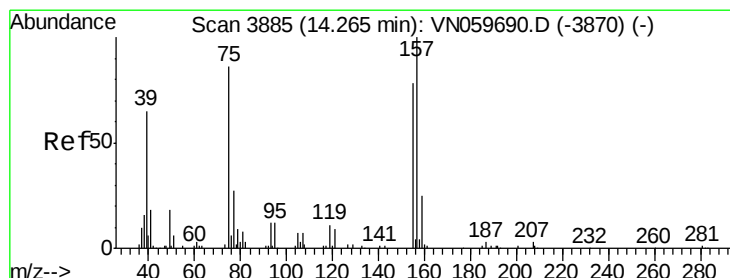
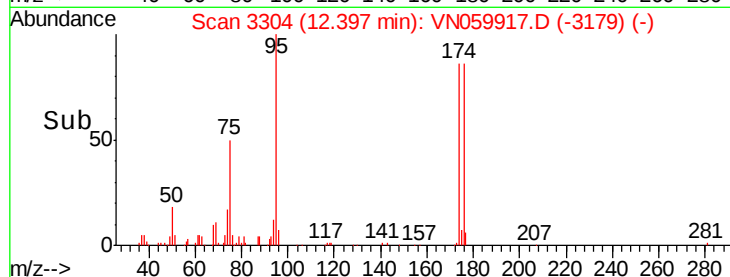
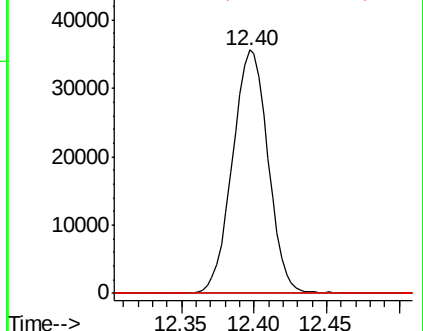
89 0.0 35.4 53.2#



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: 14.29 min Scan# 3892

Delta R.T. 0.02 min

Lab File: VN059917.D

Acq: 29 Jan 2020 17:07

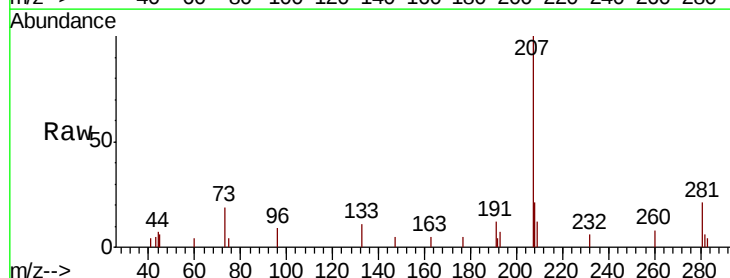
Tgt Ion: 75 Resp: 64

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

