

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054655.D
 Acq On : 24 Mar 2019 18:19
 Operator : JC/SP
 Sample : K2047-16
 Misc : 6.15g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 06:17:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	567801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	883943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	758593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	305875	50.00	ug/l	0.00

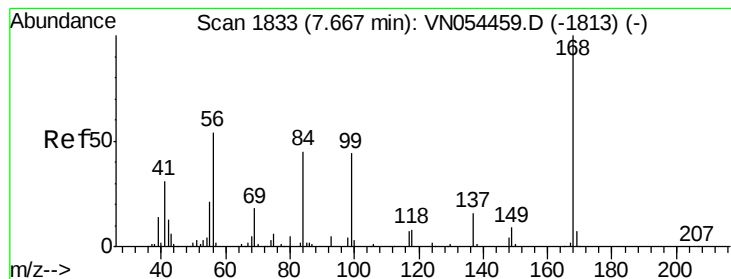
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	350189	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	7.59	113	268540	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
50) Toluene-d8	10.09	98	1090372	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.40	95	338440	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	

Target Compounds

						Qvalue
4) Vinyl Chloride	2.19	62	29903	4.033	ug/l	100
18) Methyl Acetate	4.34	43	2352	0.497	ug/l #	60
20) Methylene Chloride	4.54	84	1598	0.255	ug/l #	75
25) 2-Butanone	6.85	43	703	0.258	ug/l #	46
27) cis-1,2-Dichloroethene	6.82	96	15805	2.369	ug/l	83
31) Cyclohexane	7.66	56	12058	Below Cal	#	3
36) 1,1-Dichloropropene	7.66	75	42831	5.182	ug/l #	48
38) Carbon Tetrachloride	7.66	117	52570	6.545	ug/l #	16
53) t-1,3-Dichloropropene	10.10	75	184	2.253	ug/l #	76
65) Chlorobenzene	11.43	112	18142	1.176	ug/l	94
71) Bromoform	12.39	173	896	2.445	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	177097	36.486	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	177097	120.975	ug/l #	11
87) 1,3-Dichlorobenzene	13.28	146	2589	0.256	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	2589	0.263	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	28897	2.945	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054655.D

Acq: 24 Mar 2019 18:19

Instrument :

MSVOA_N

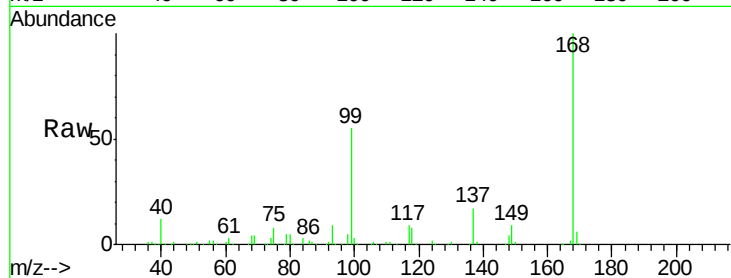
ClientSampleId :

Tot Ion:168 Resp: 567801

Ion Ratio Lower Upper

168 100

99 55.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

250000

200000

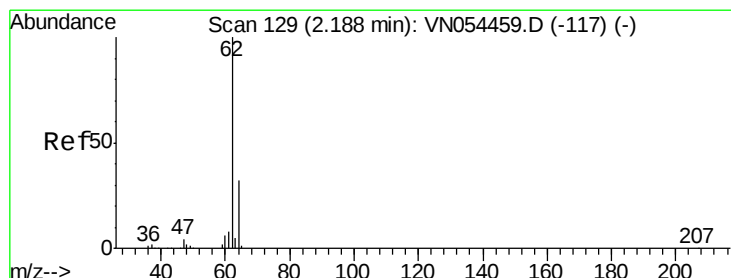
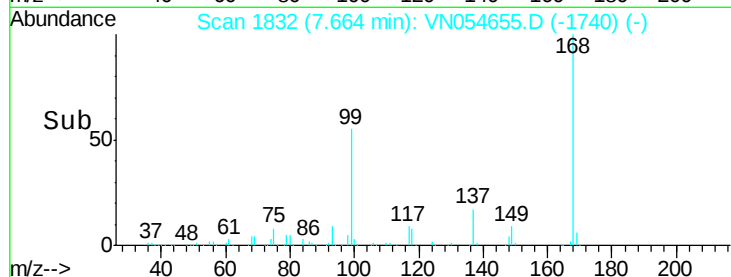
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 4.033 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054655.D

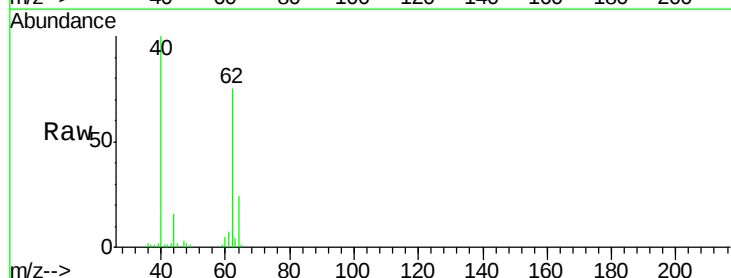
Acq: 24 Mar 2019 18:19

Tgt Ion: 62 Resp: 29903

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

20000

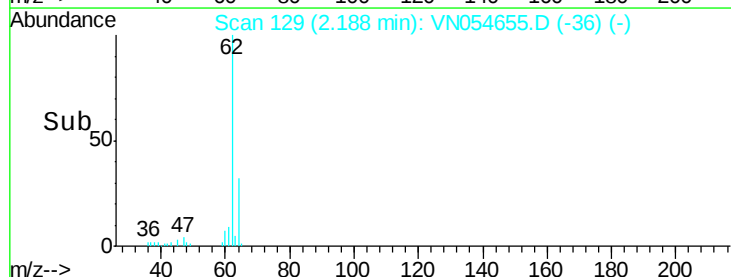
15000

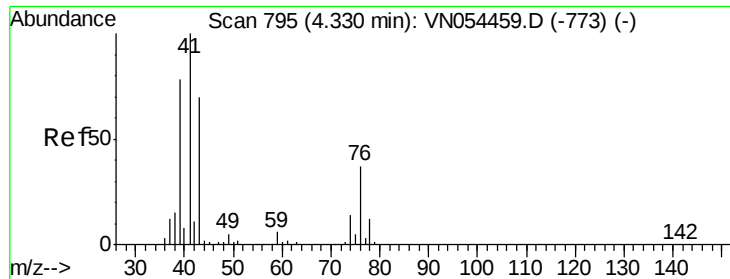
10000

5000

0

Time-->

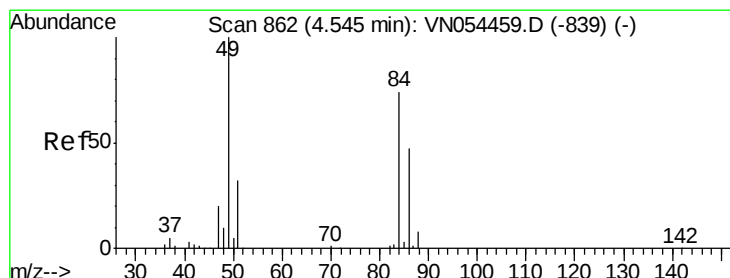
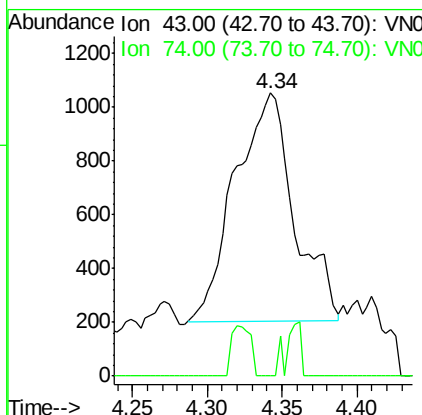
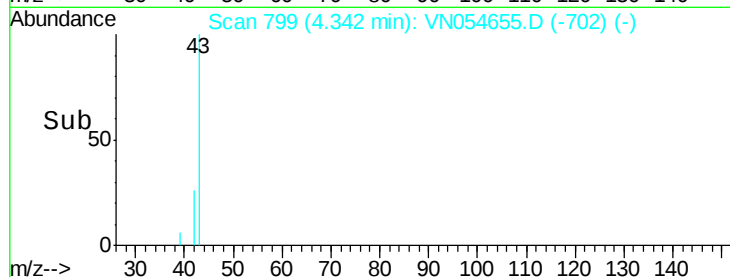
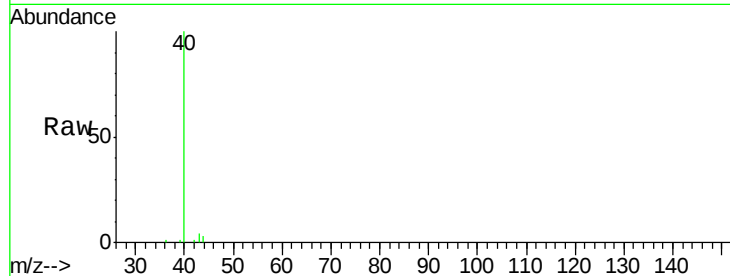




#18
Methvl Acetate
Concen: 0.497 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.01 min
Lab File: VN054655.D
Acq: 24 Mar 2019 18:19

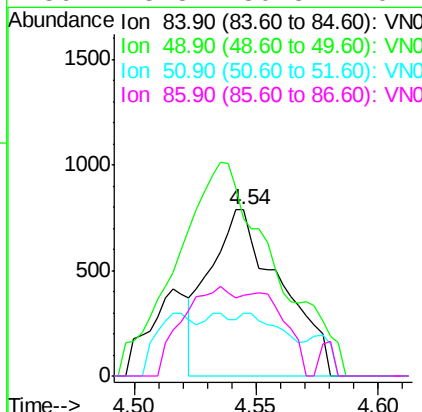
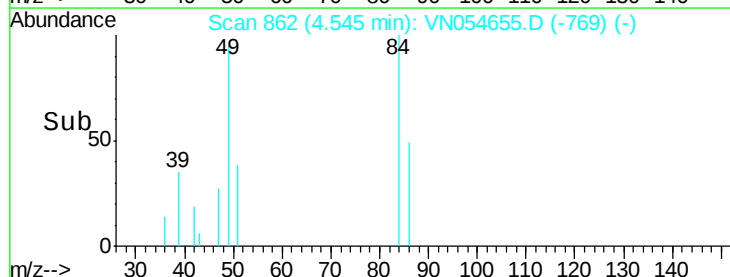
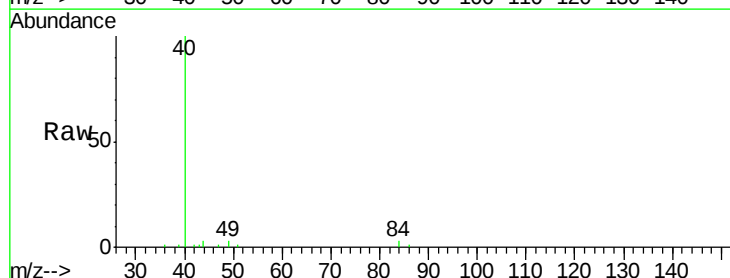
Instrument :
MSVOA_N
ClientSampled :

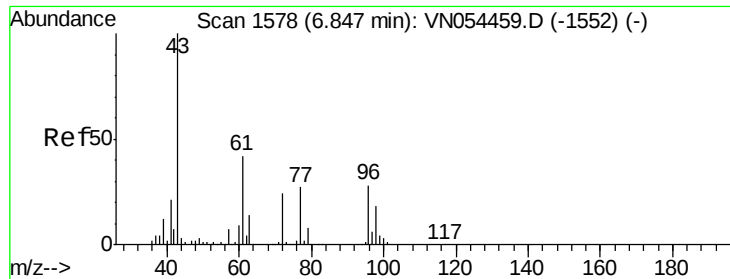
Tot Ion: 43 Resp: 2352
Ion Ratio Lower Upper
43 100
74 5.7 20.8 31.2#



#20
Methylene Chloride
Concen: 0.255 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054655.D
Acq: 24 Mar 2019 18:19

Tgt Ion: 84 Resp: 1598
Ion Ratio Lower Upper
84 100
49 74.6 89.7 134.5#
51 38.0 28.2 42.4
86 48.8 50.8 76.2#





#25

2-Butanone

Concen: 0.258 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054655.D

Acq: 24 Mar 2019 18:19

Instrument :

MSVOA_N

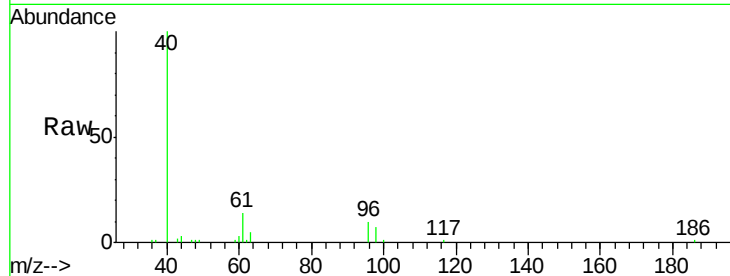
ClientSampled :

Tot Ion: 43 Resp: 703

Ion Ratio Lower Upper

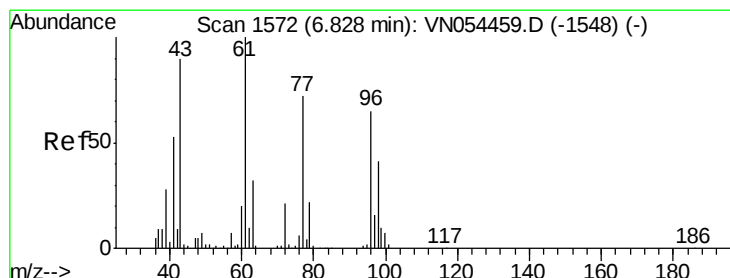
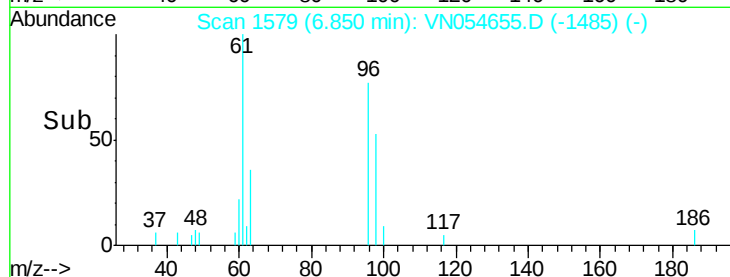
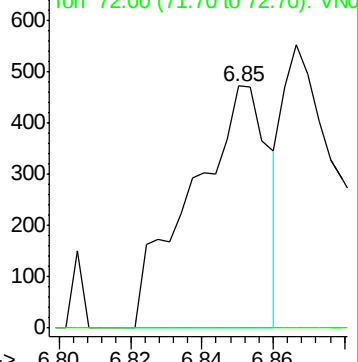
43 100

72 0.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#27

cis-1,2-Dichloroethene

Concen: 2.369 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054655.D

Acq: 24 Mar 2019 18:19

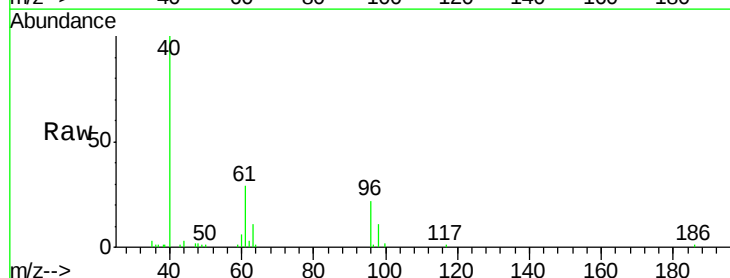
Tgt Ion: 96 Resp: 15805

Ion Ratio Lower Upper

96 100

61 140.2 0.0 273.0

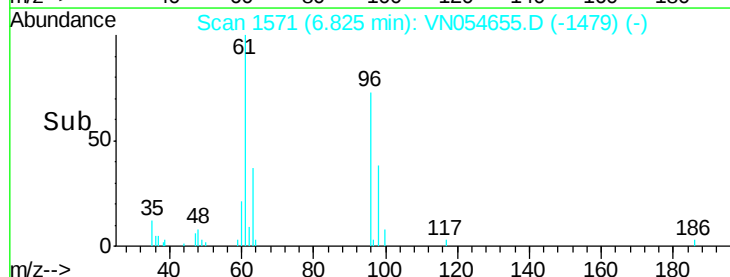
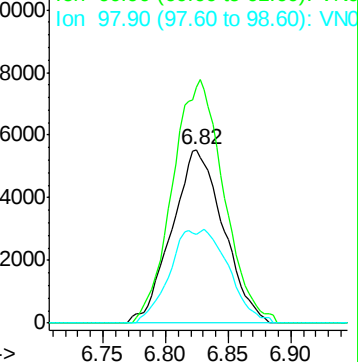
98 29.2 0.0 130.6

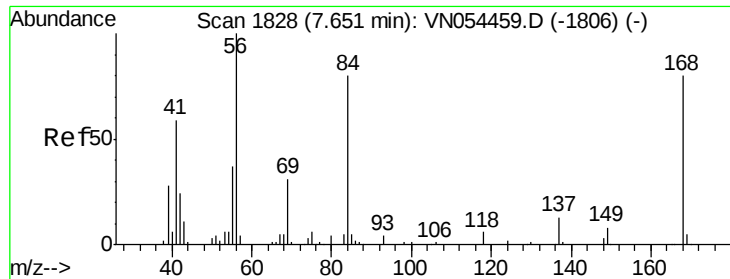


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054655.D

Acq: 24 Mar 2019 18:19

Instrument :
MSVOA_N
ClientSampled :

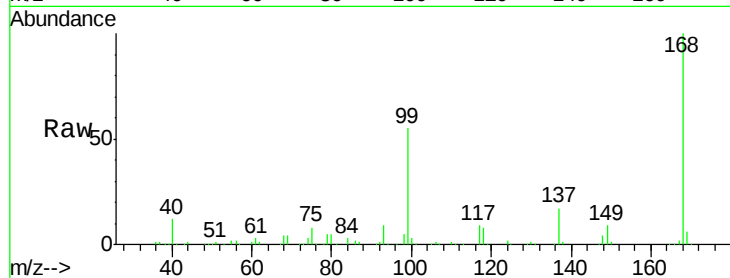
Tot Ion: 56 Resp: 12058

Ion Ratio Lower Upper

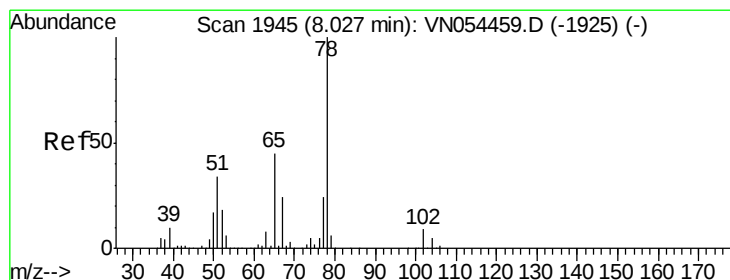
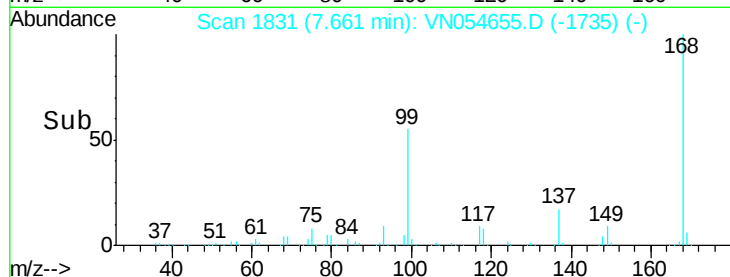
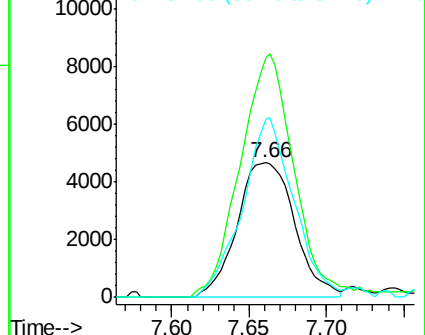
56 100

69 178.6 27.8 41.6#

84 132.5 74.6 111.8#



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: 49.584 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054655.D

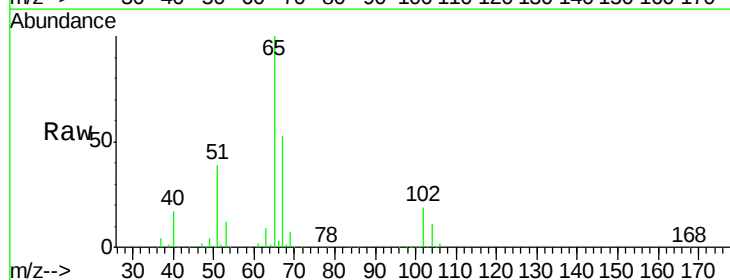
Acq: 24 Mar 2019 18:19

Tgt Ion: 65 Resp: 350189

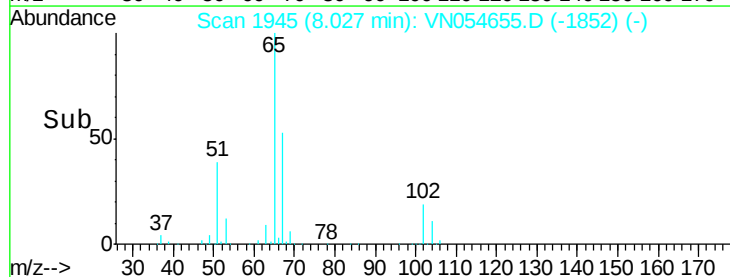
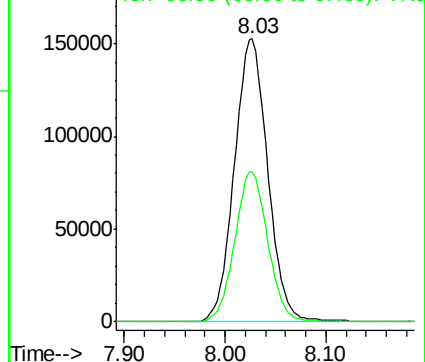
Ion Ratio Lower Upper

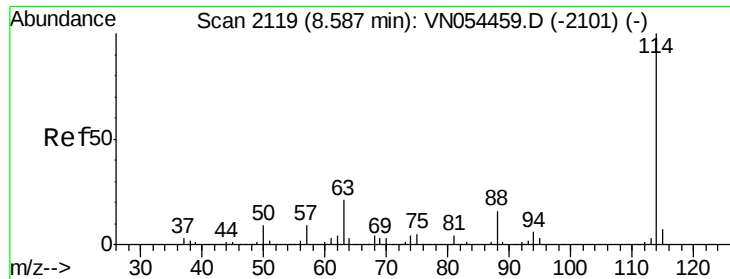
65 100

67 52.5 0.0 104.6



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: 8.58 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054655.D

Acq: 24 Mar 2019 18:19

Instrument :

MSVOA_N

ClientSampled :

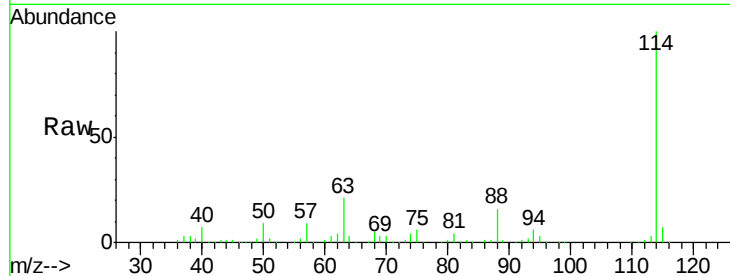
Tot Ion:114 Resp: 883943

Ion Ratio Lower Upper

114 100

63 21.4 0.0 35.2

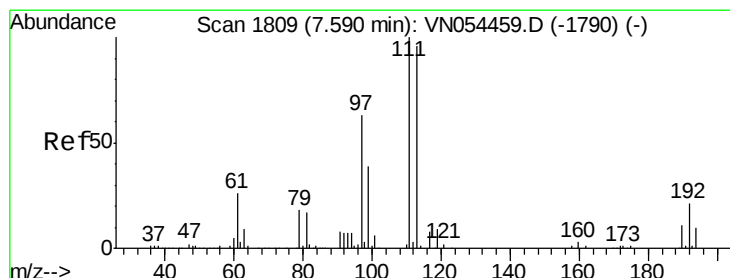
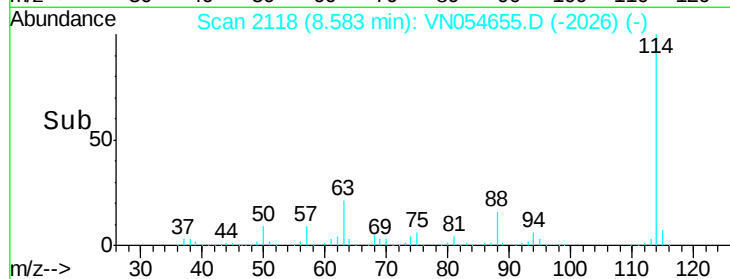
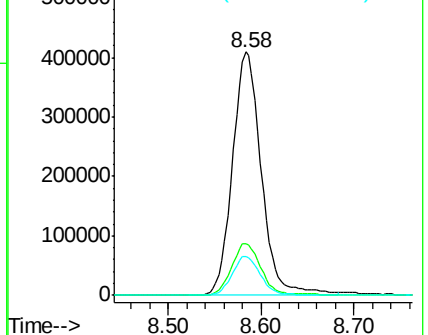
88 16.1 0.0 30.2



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: 47.155 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054655.D

Acq: 24 Mar 2019 18:19

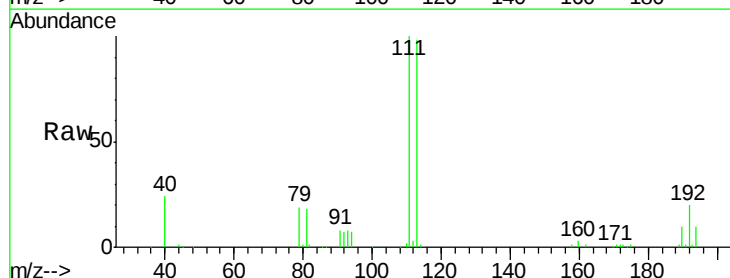
Tgt Ion:113 Resp: 268540

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

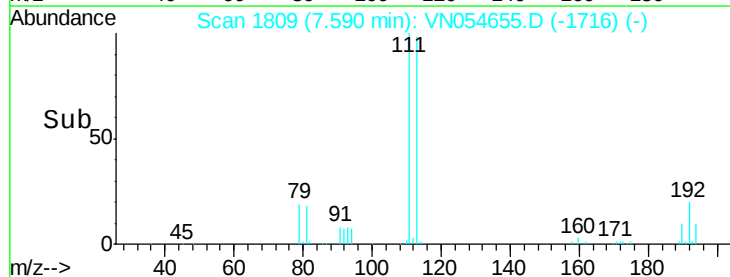
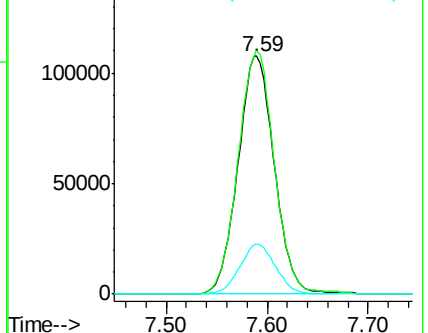
192 20.7 19.2 28.8

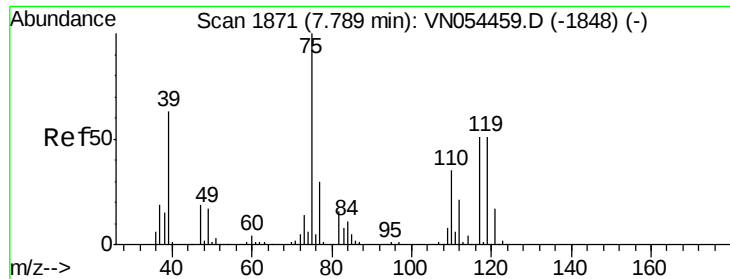


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.182 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN054655.D

Acq: 24 Mar 2019 18:19

Instrument :

MSVOA_N

ClientSampleId :

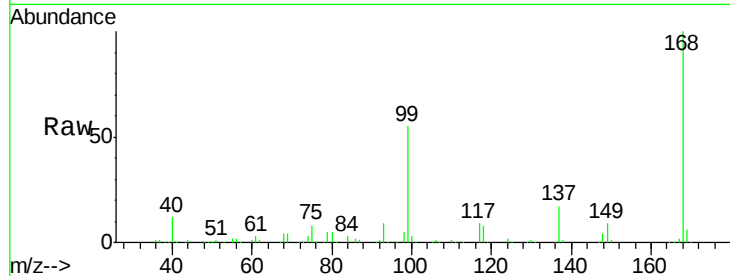
Tot Ion: 75 Resp: 42831

Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.5#

77 0.0 25.0 37.4#

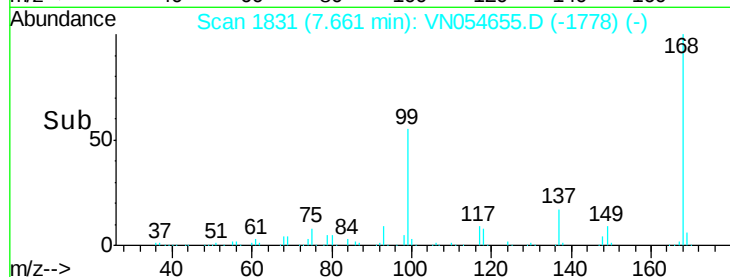


Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN054459.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN054459.D (-1848) (-)

Time-->

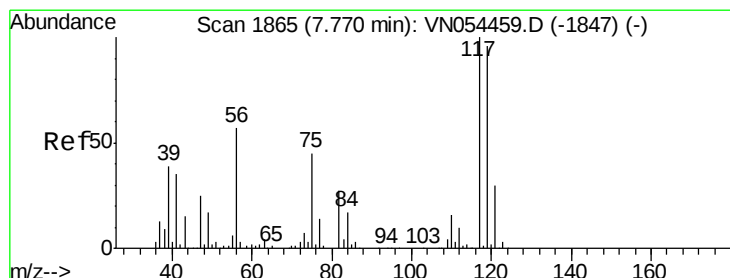


Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN054459.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN054459.D (-1848) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.545 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054655.D

Acq: 24 Mar 2019 18:19

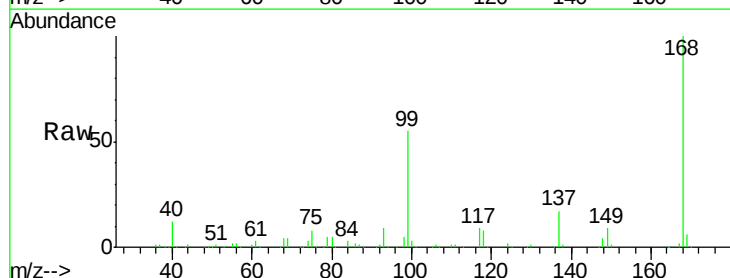
Tgt Ion: 117 Resp: 52570

Ion Ratio Lower Upper

117 100

119 4.5 76.3 114.5#

121 0.0 24.6 36.8#

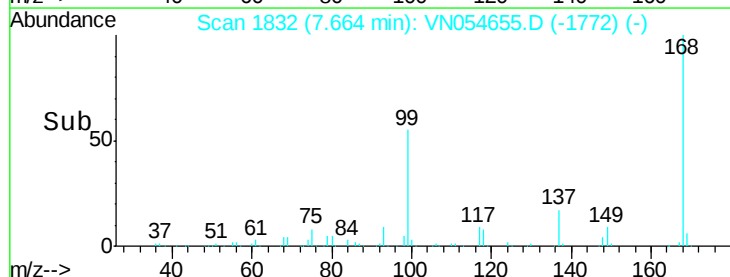


Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN054459.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN054459.D (-1847) (-)

Time-->

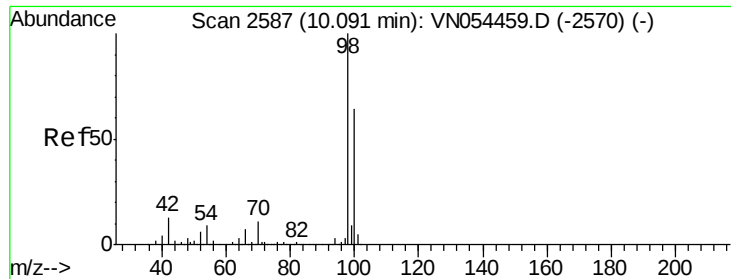


Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN054459.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN054459.D (-1847) (-)

Time-->



#50

Toluene-d8

Concen: 50.931 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054655.D

Acq: 24 Mar 2019 18:19

Instrument :

MSVOA_N

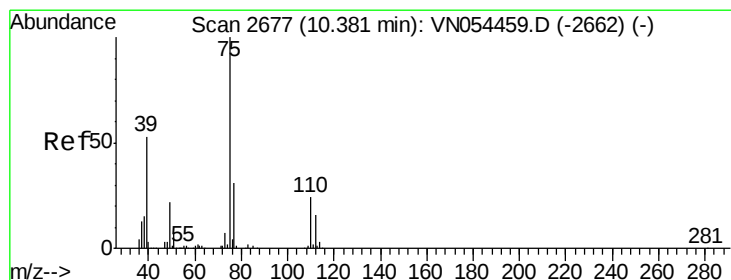
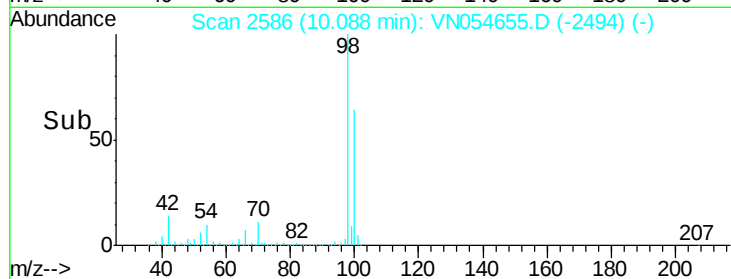
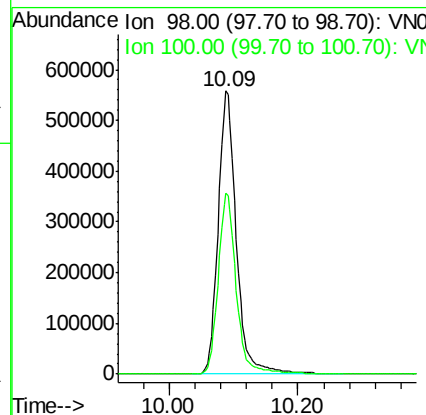
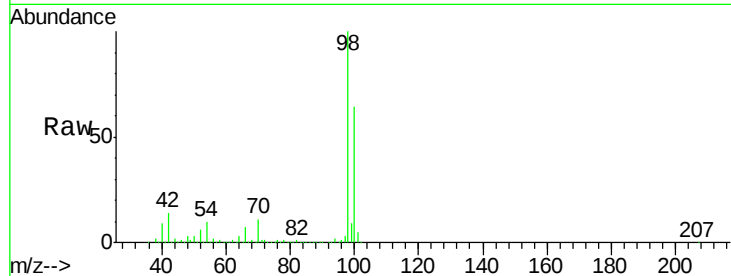
ClientSampled :

Tot Ion: 98 Resp: 1090372

Ion Ratio Lower Upper

98 100

100 63.3 51.2 76.8



#53

t-1,3-Dichloropropene

Concen: 2.253 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.28 min

Lab File: VN054655.D

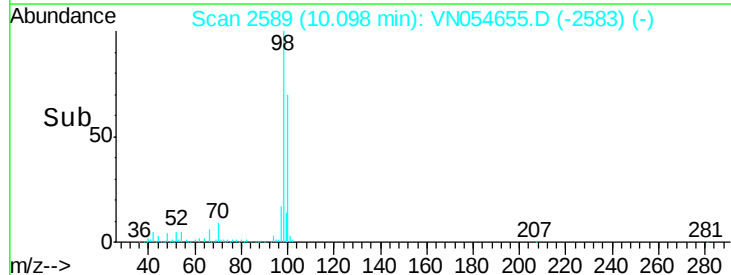
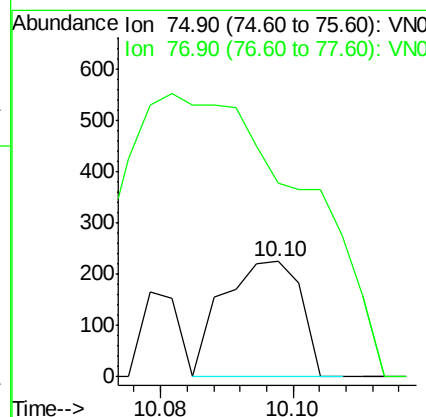
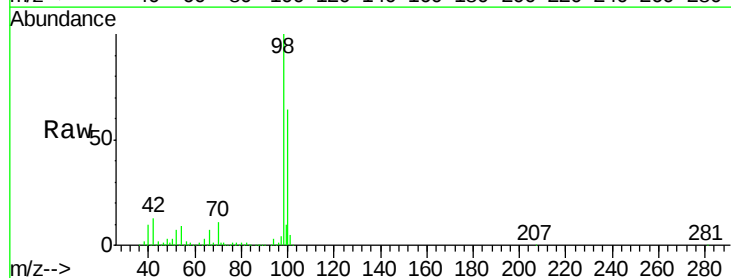
Acq: 24 Mar 2019 18:19

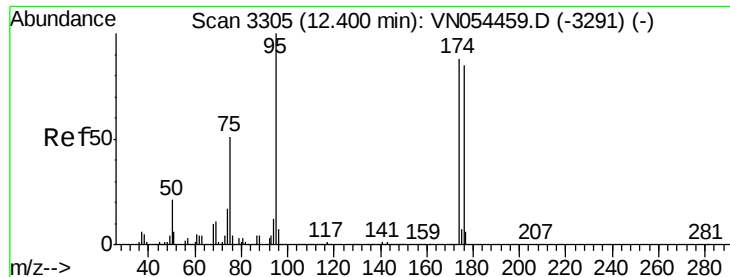
Tgt Ion: 75 Resp: 184

Ion Ratio Lower Upper

75 100

77 45.8 25.8 38.8#





#62

4-Bromofluorobenzene

Concen: 46.456 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054655.D

Acq: 24 Mar 2019 18:19

Instrument :

MSVOA_N

ClientSampled :

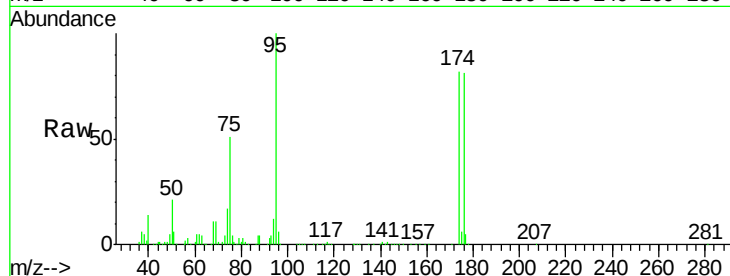
Tot Ion: 95 Resp: 338440

Ion Ratio Lower Upper

95 100

174 84.1 0.0 191.0

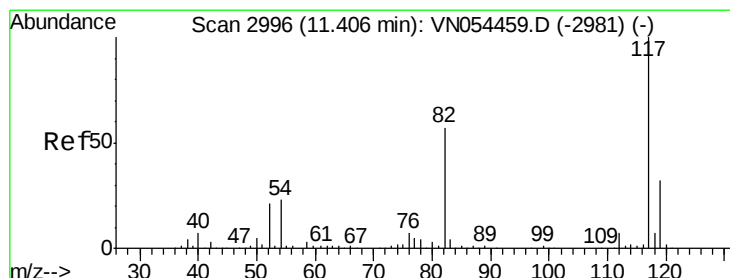
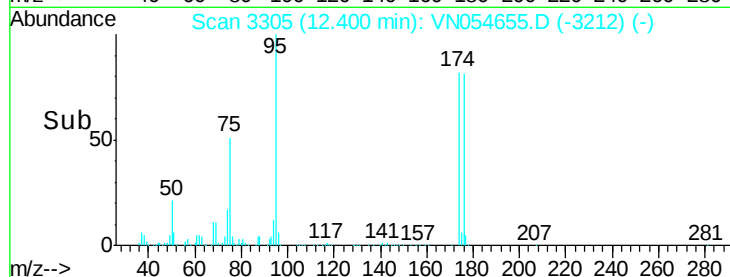
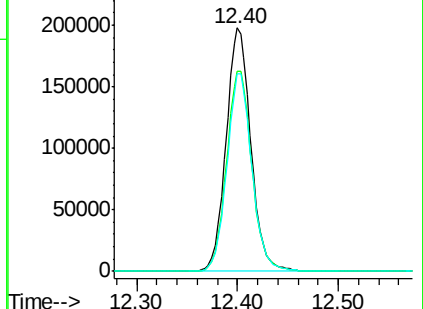
176 81.7 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054655.D

Acq: 24 Mar 2019 18:19

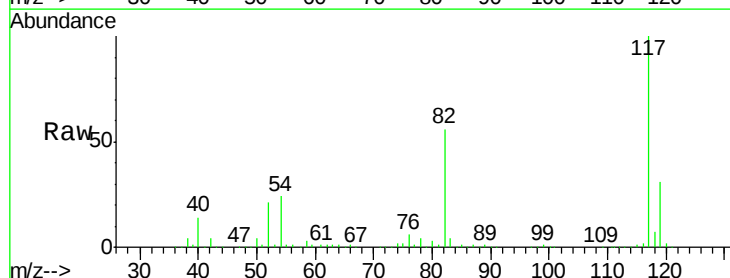
Tgt Ion: 117 Resp: 758593

Ion Ratio Lower Upper

117 100

82 56.5 40.0 60.0

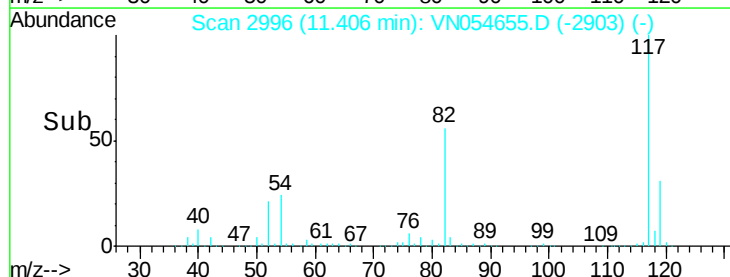
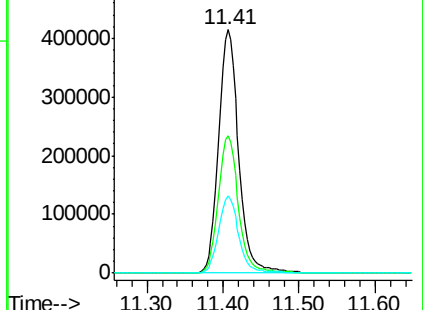
119 31.5 25.8 38.6

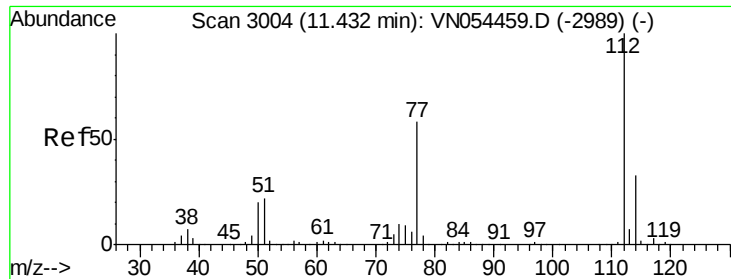


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054459.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054459.D (-2981) (-)

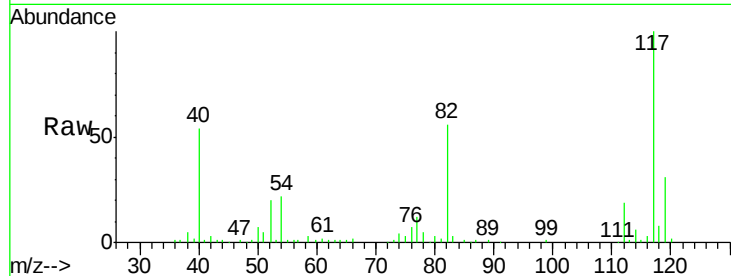




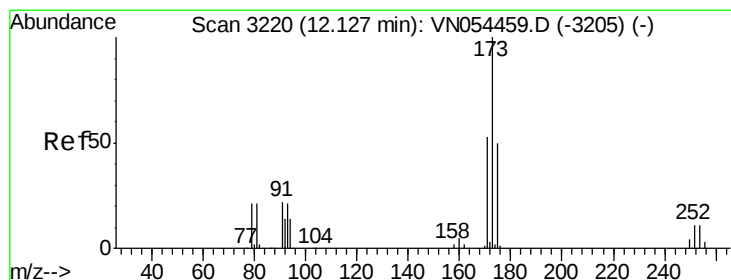
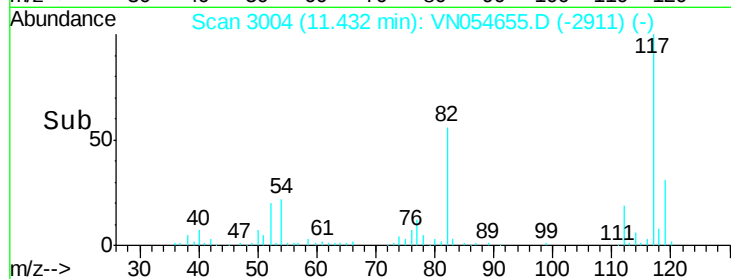
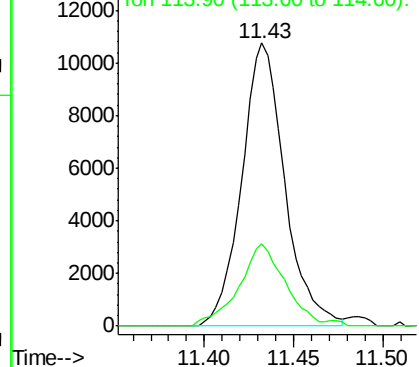
#65
Chlorobenzene
Concen: 1.176 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054655.D
Acq: 24 Mar 2019 18:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:112 Resp: 18142
Ion Ratio Lower Upper
112 100
114 29.0 25.9 38.9

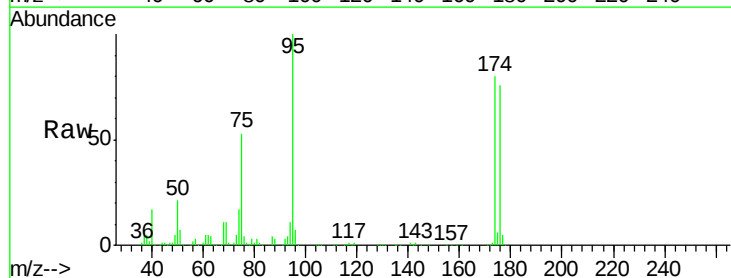


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

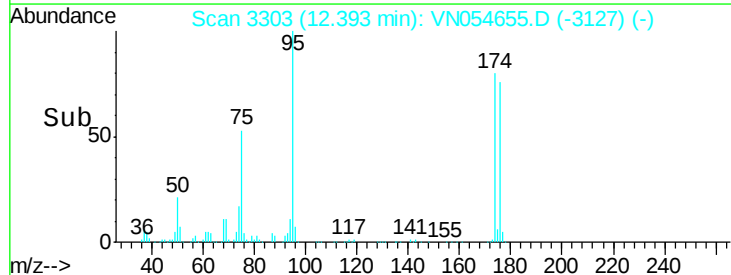
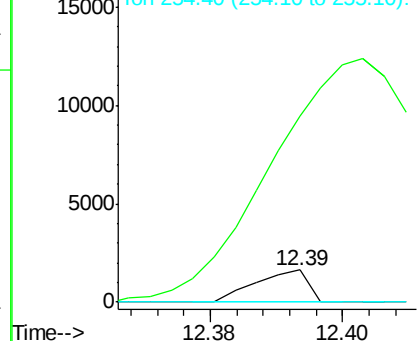


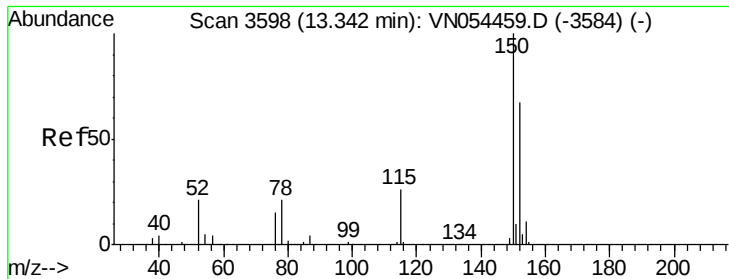
#71
Bromoform
Concen: 2.445 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN054655.D
Acq: 24 Mar 2019 18:19

Tgt Ion:173 Resp: 896
Ion Ratio Lower Upper
173 100
175 2052.7 24.4 73.2#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



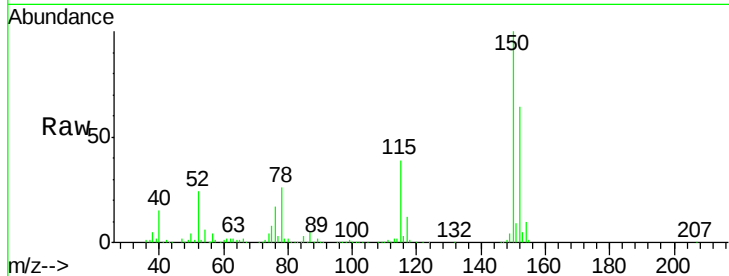


#72

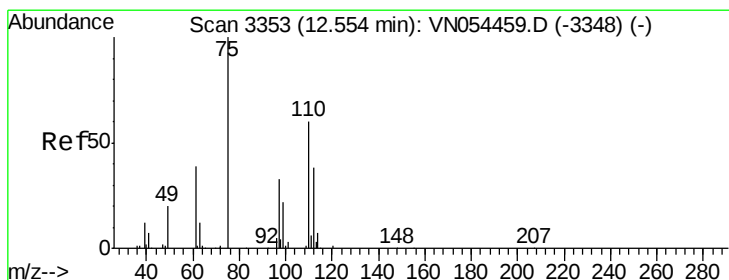
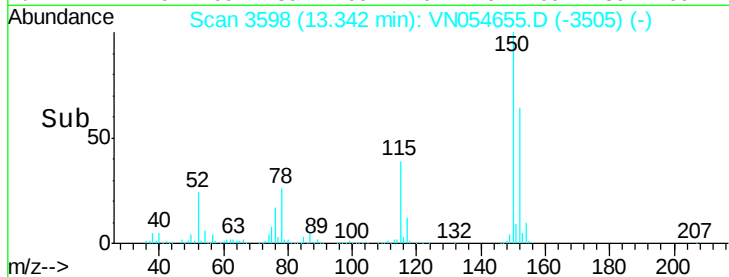
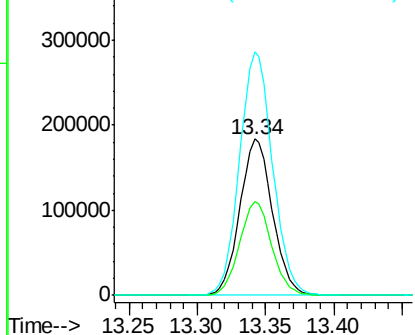
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054655.D
Acq: 24 Mar 2019 18:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.0	27.2	81.6
150	157.3	0.0	349.2



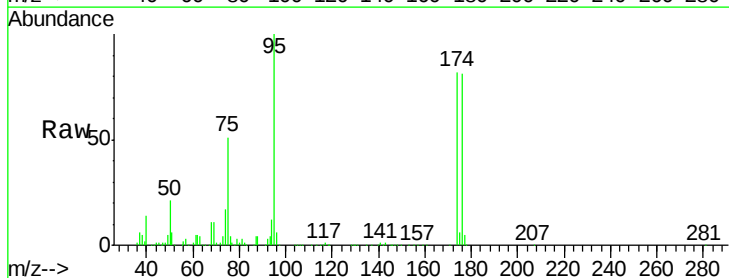
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



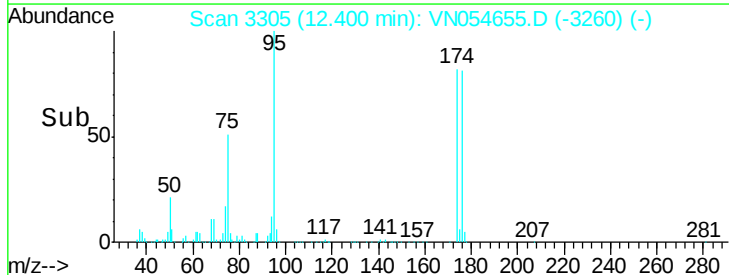
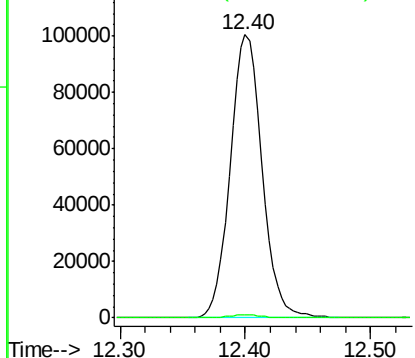
#76

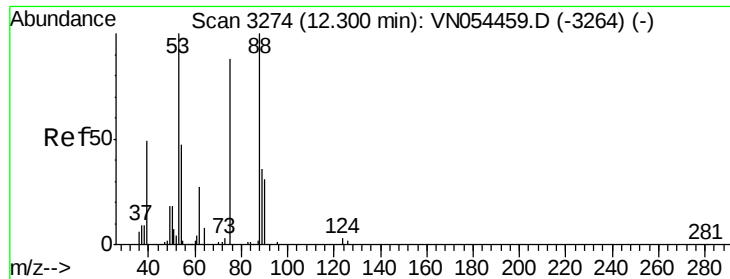
1,2,3-Trichloropropane
Concen: 36.486 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN054655.D
Acq: 24 Mar 2019 18:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

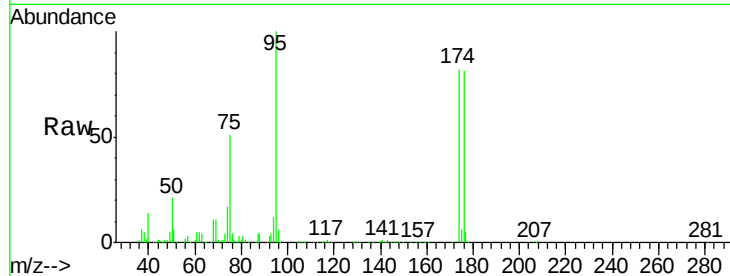




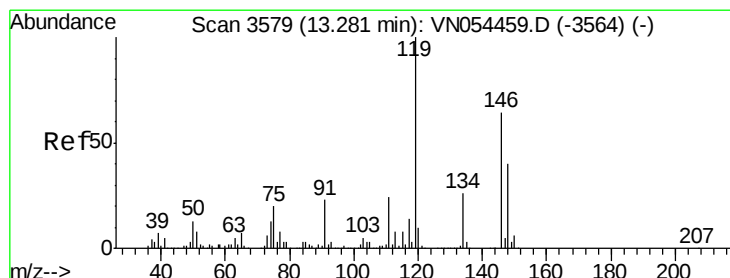
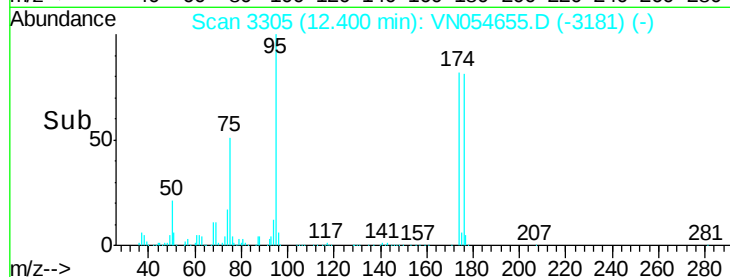
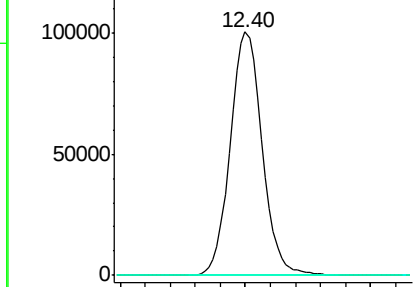
#81
trans-1,4-Dichloro-2-butene
Concen: 120.975 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054655.D
Acq: 24 Mar 2019 18:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 177097
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#

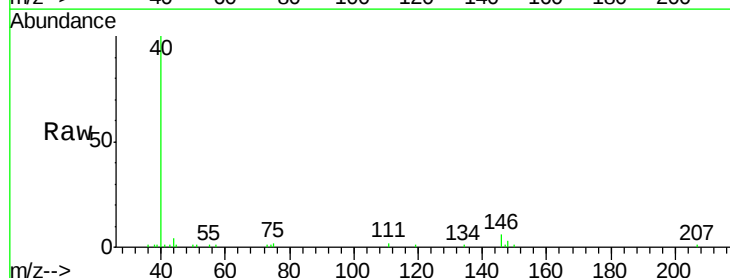


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

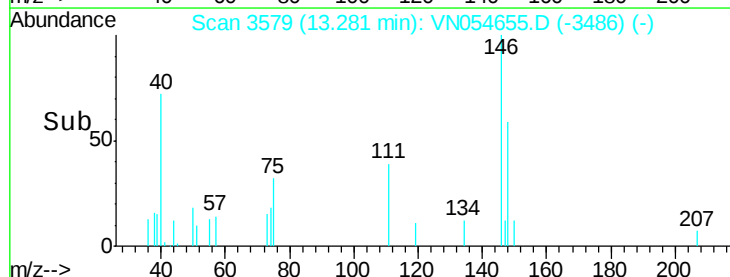
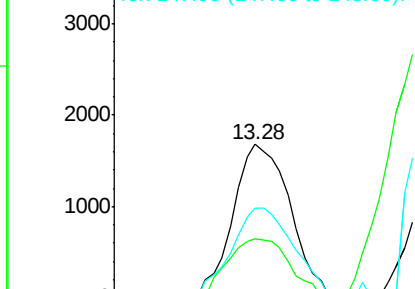


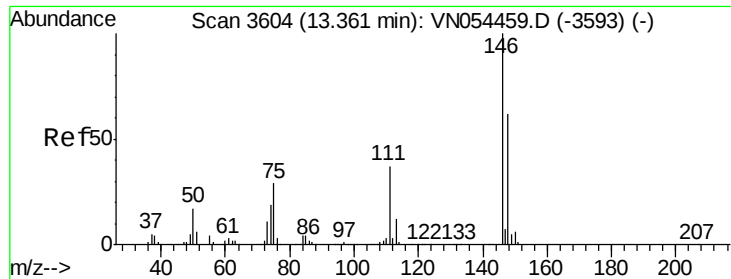
#87
1,3-Dichlorobenzene
Concen: 0.256 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN054655.D
Acq: 24 Mar 2019 18:19

Tgt Ion:146 Resp: 2589
Ion Ratio Lower Upper
146 100
111 41.8 18.8 56.3
148 64.1 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

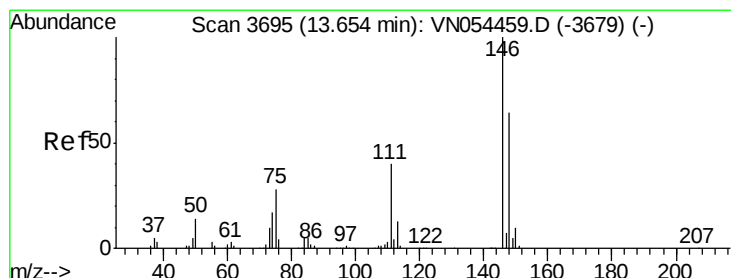
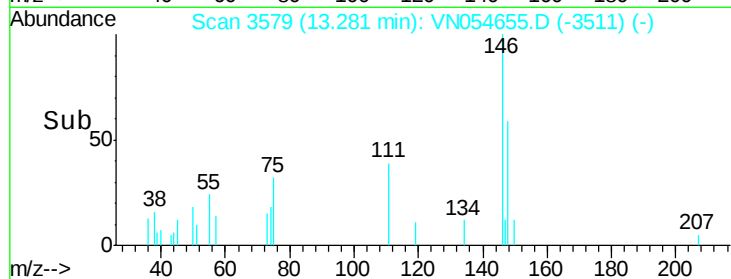
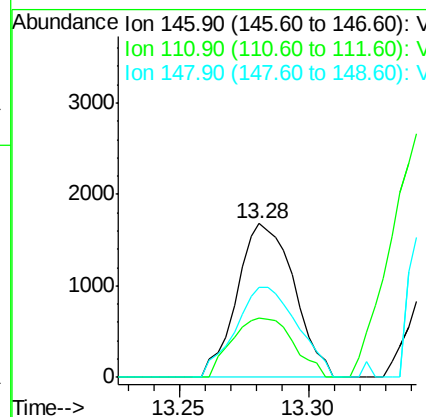
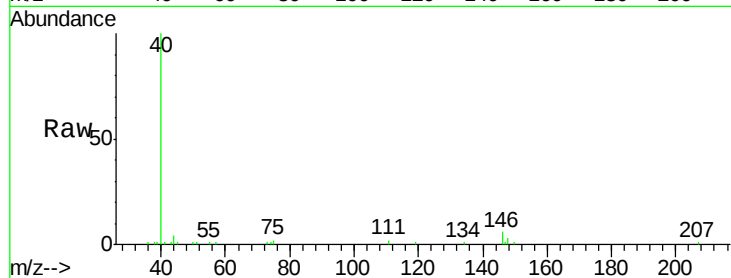




#88
 1,4-Dichlorobenzene
 Concen: 0.263 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN054655.D
 Acq: 24 Mar 2019 18:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 2589
 Ion Ratio Lower Upper
 146 100
 111 41.8 18.1 54.1
 148 64.1 32.0 96.0



#91
 1,2-Dichlorobenzene
 Concen: 2.945 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054655.D
 Acq: 24 Mar 2019 18:19

Tgt Ion:146 Resp: 28897
 Ion Ratio Lower Upper
 146 100
 111 43.1 19.1 57.3
 148 62.0 32.4 97.0

