

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054681.D
 Acq On : 25 Mar 2019 18:57
 Operator : JC/SP
 Sample : K2058-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S3B(19)

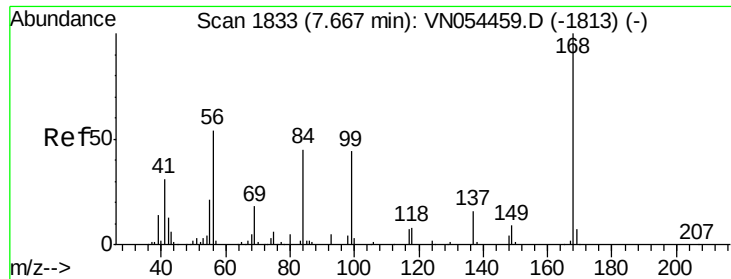
Quant Time: Mar 26 01:28:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	576535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	911084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	744329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	265350	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	370745	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
35) Dibromofluoromethane	7.59	113	289717	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
50) Toluene-d8	10.09	98	1074068	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.40	95	323252	43.05	ug/l	0.00
Spiked Amount			Recovery	=	86.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	9043	4.194	ug/l	91
20) Methylene Chloride	4.55	84	17674	2.781	ug/l #	78
25) 2-Butanone	6.86	43	1265	0.458	ug/l #	46
29) Tetrahydrofuran	7.24	42	1472	0.821	ug/l #	45
31) Cyclohexane	7.66	56	11892	Below Cal	#	21
36) 1,1-Dichloropropene	7.66	75	42920	5.038	ug/l #	47
38) Carbon Tetrachloride	7.67	117	50680	6.122	ug/l #	16
43) Isopropyl Acetate	8.17	43	13900	1.358	ug/l #	95
45) 1,2-Dichloropropane	9.27	63	1316	0.201	ug/l #	43
48) Methyl methacrylate	9.19	41	6599	1.188	ug/l #	11
51) 4-Methyl-2-Pentanone	10.03	43	8528	1.504	ug/l #	36
53) t-1,3-Dichloropropene	10.11	75	73	2.240	ug/l #	1
54) cis-1,3-Dichloropropene	9.91	75	49356	5.315	ug/l #	70
57) 1,3-Dichloropropane	10.77	76	9440	1.008	ug/l #	43
59) 2-Hexanone	10.77	43	154551	41.724	ug/l #	47
71) Bromoform	12.38	173	31	2.228	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	167448	39.767	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	167448	131.567	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

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MSVOA_N

ClientSampleId :

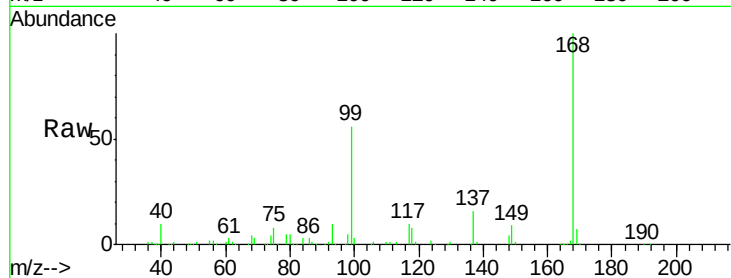
S3B(19)

Tot Ion:168 Resp: 576535

Ion Ratio Lower Upper

168 100

99 56.0 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

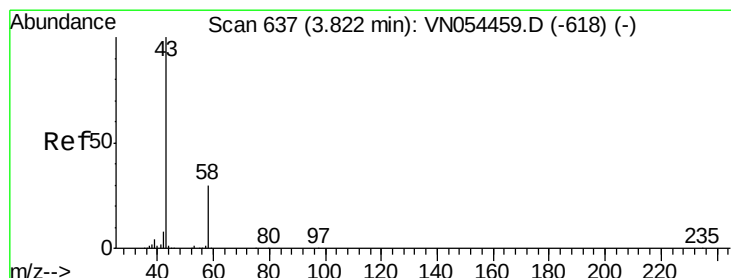
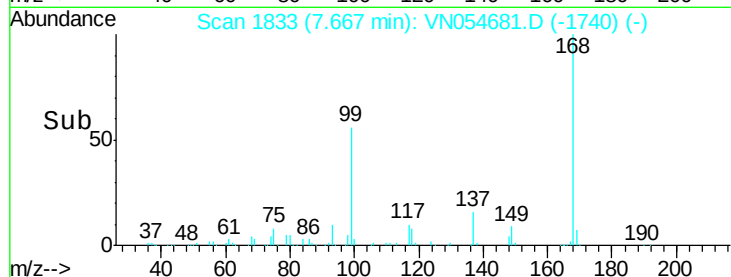
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 4.194 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054681.D

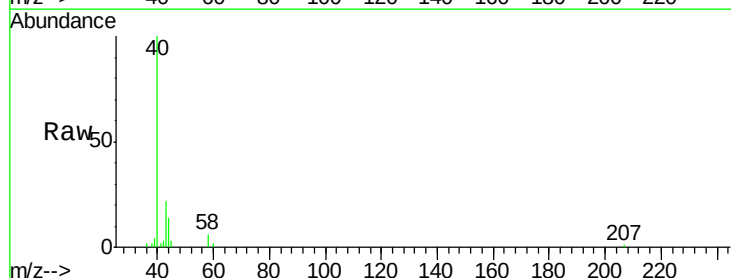
Acq: 25 Mar 2019 18:57

Tgt Ion: 43 Resp: 9043

Ion Ratio Lower Upper

43 100

58 32.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

5000

4000

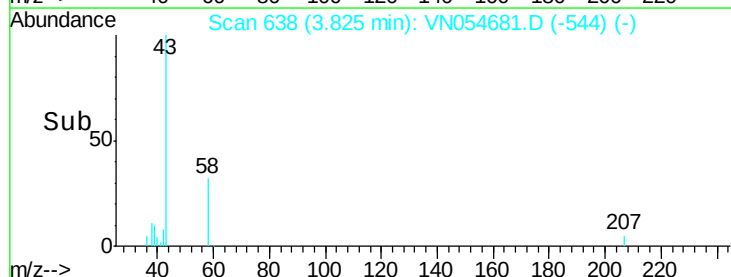
3000

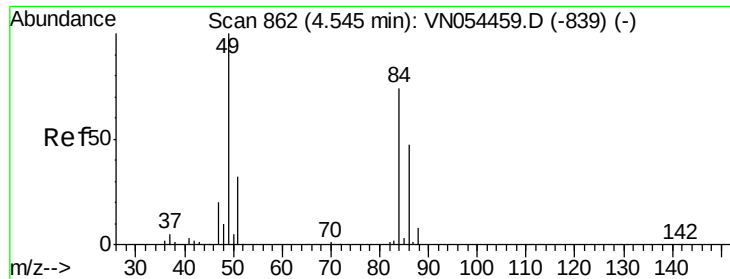
2000

1000

0

Time--> 3.75 3.80 3.85 3.90

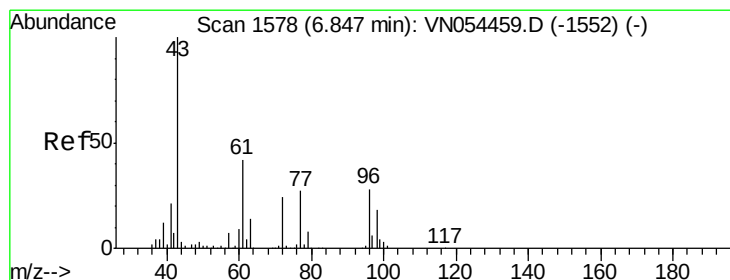
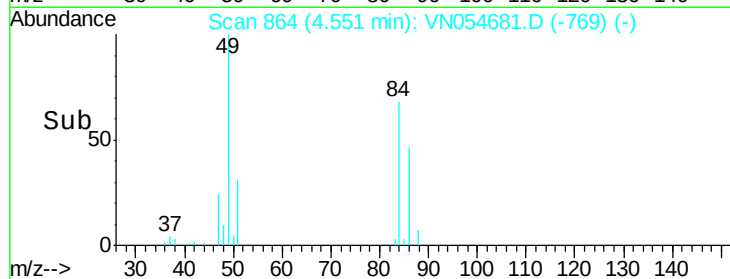
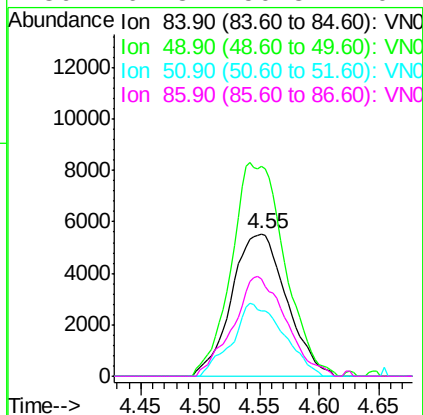
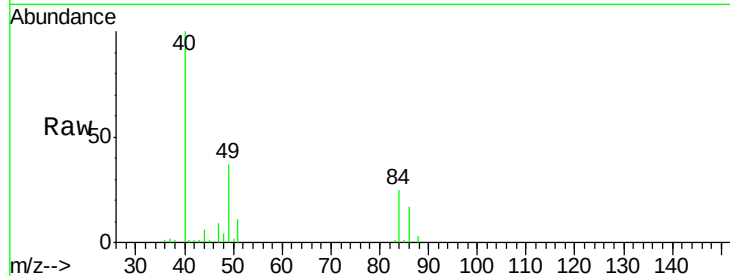




#20
Methvlene Chloride
Concen: 2.781 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN054681.D
Acq: 25 Mar 2019 18:57

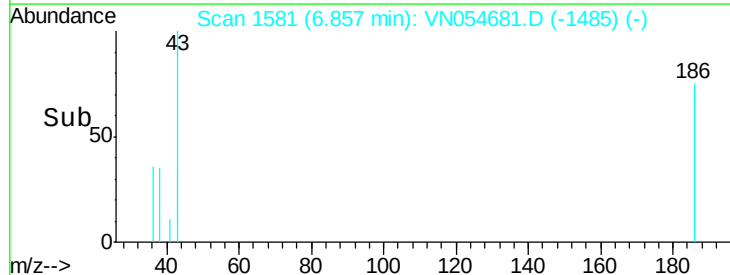
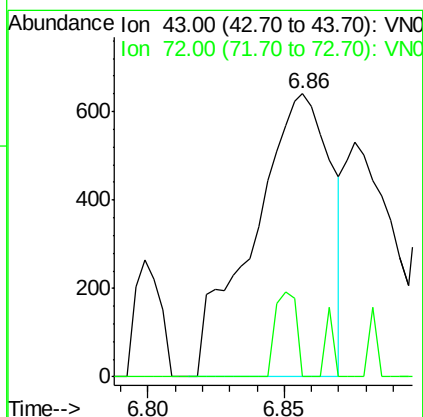
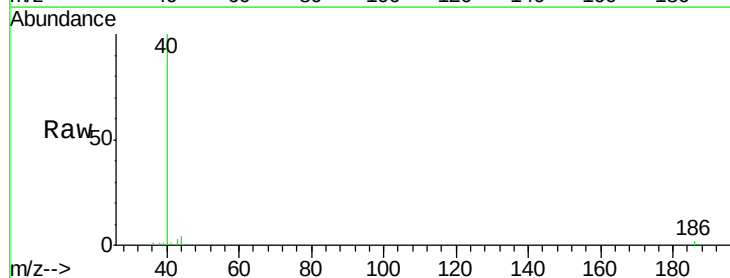
Instrument :
MSVOA_N
ClientSampled :
S3B(19)

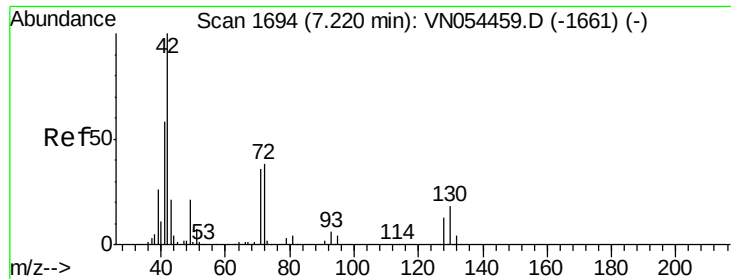
Tot Ion: 84 Resp: 17674
Ion Ratio Lower Upper
84 100
49 147.3 89.7 134.5#
51 45.5 28.2 42.4#
86 67.8 50.8 76.2



#25
2-Butanone
Concen: 0.458 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VN054681.D
Acq: 25 Mar 2019 18:57

Tgt Ion: 43 Resp: 1265
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#





#29

Tetrahydrofuran

Concen: 0.821 ug/l

RT: 7.24 min Scan# 1699

Delta R.T. 0.02 min

Lab File: VN054681.D

Acq: 25 Mar 2019 18:57

Instrument :

MSVOA_N

ClientSampleId :

S3B(19)

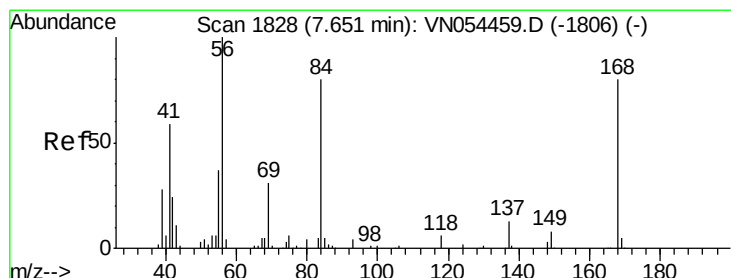
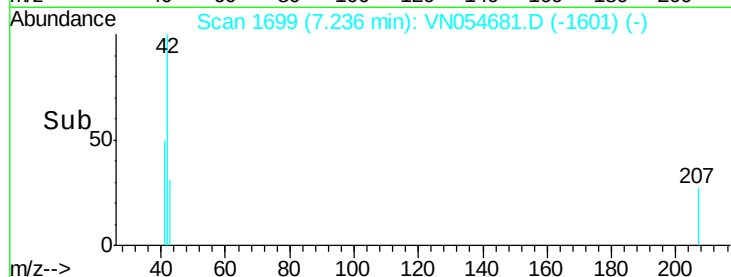
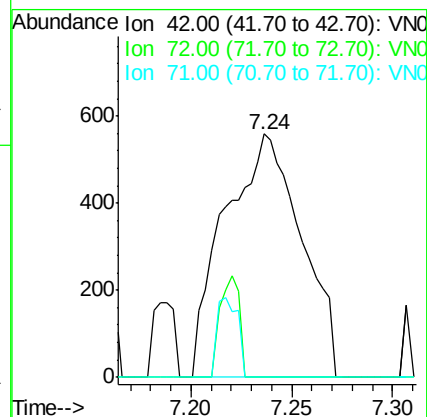
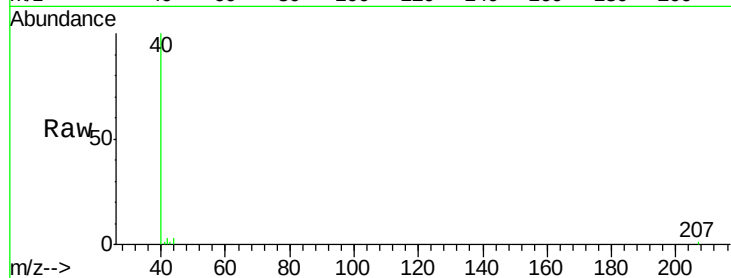
Tot Ion: 42 Resp: 1472

Ion Ratio Lower Upper

42 100

72 10.4 37.8 56.6#

71 8.7 36.2 54.2#



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054681.D

Acq: 25 Mar 2019 18:57

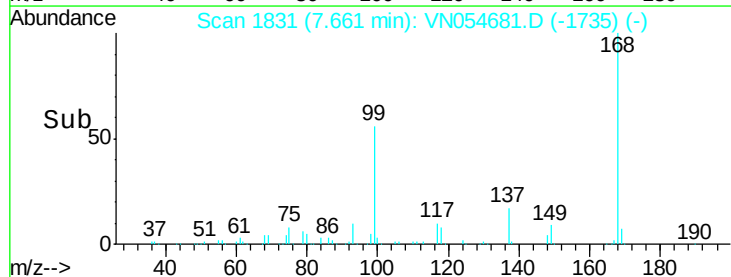
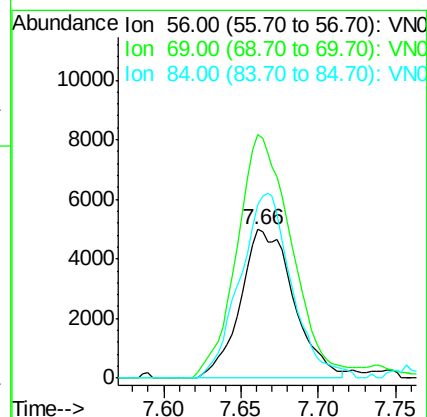
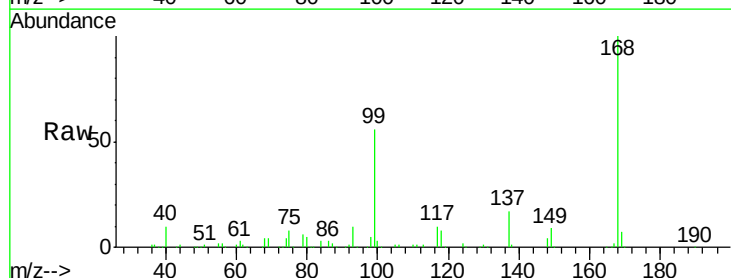
Tgt Ion: 56 Resp: 11892

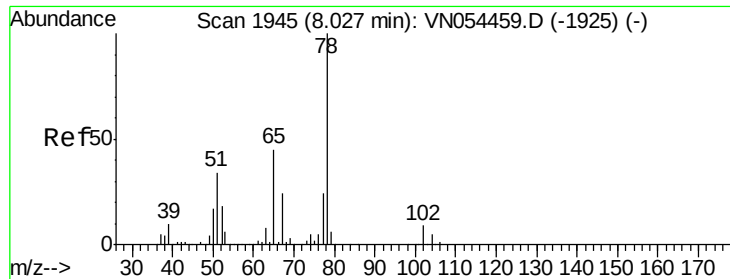
Ion Ratio Lower Upper

56 100

69 163.9 27.8 41.6#

84 116.9 74.6 111.8#

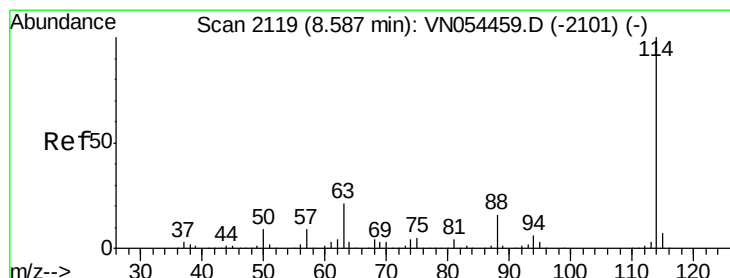
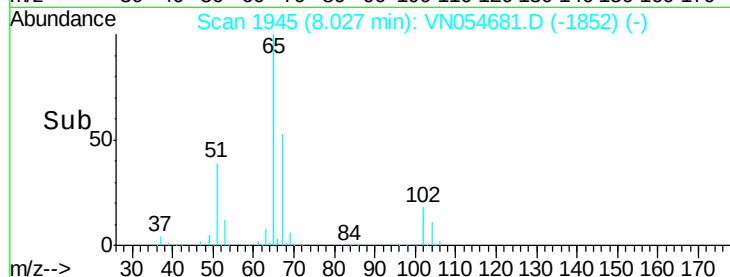
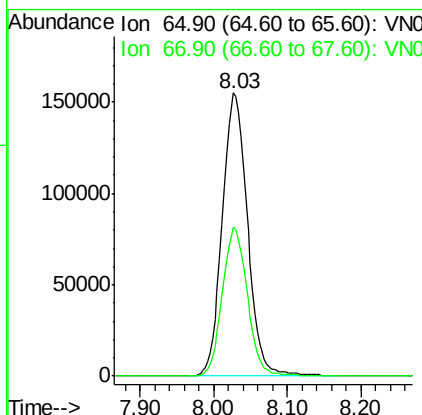
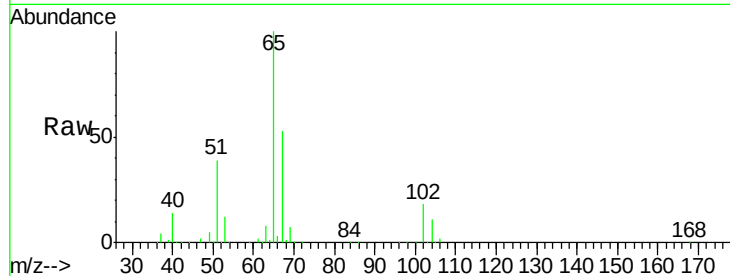




#33
 1,2-Dichloroethane-d4
 Concen: 51.699 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054681.D
 Acq: 25 Mar 2019 18:57

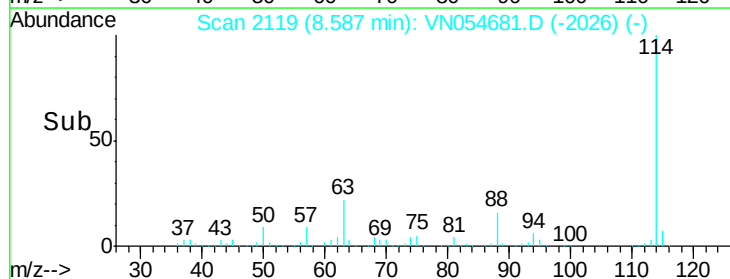
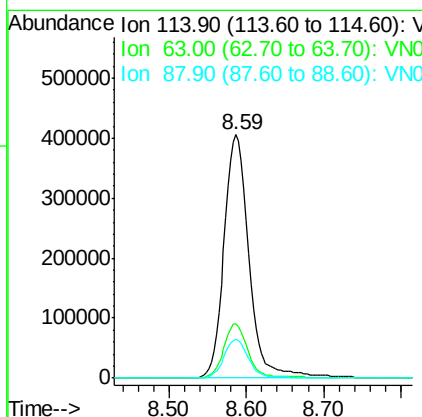
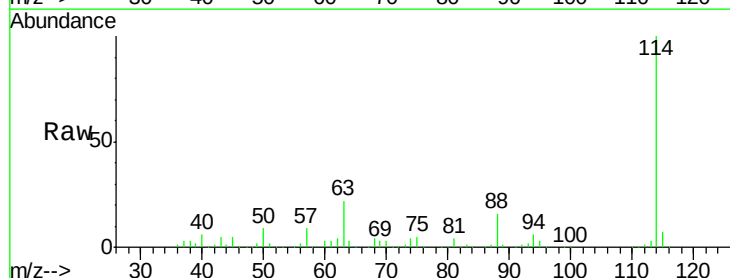
Instrument :
 MSVOA_N
 ClientSampleId :
 S3B(19)

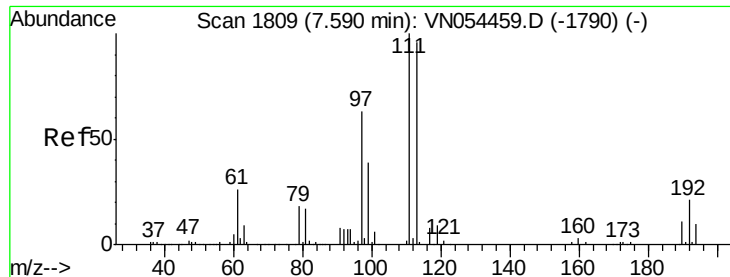
Tot Ion: 65 Resp: 370745
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054681.D
 Acq: 25 Mar 2019 18:57

Tgt Ion: 114 Resp: 911084
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 35.2
 88 15.8 0.0 30.2

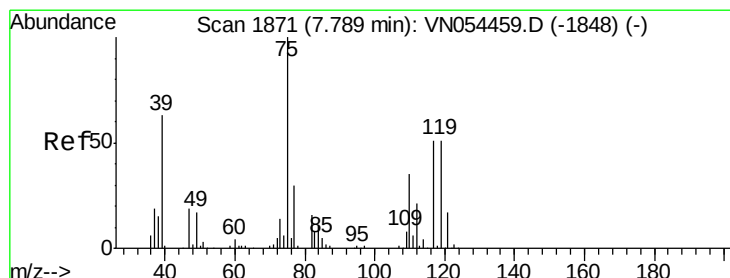
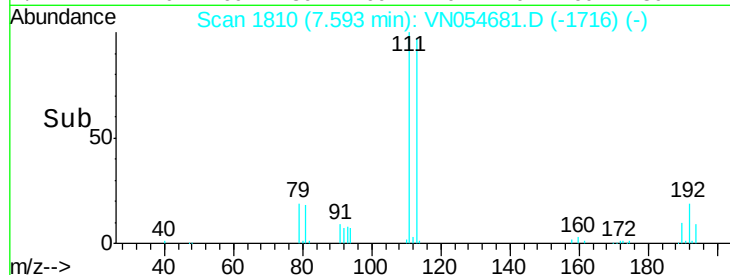
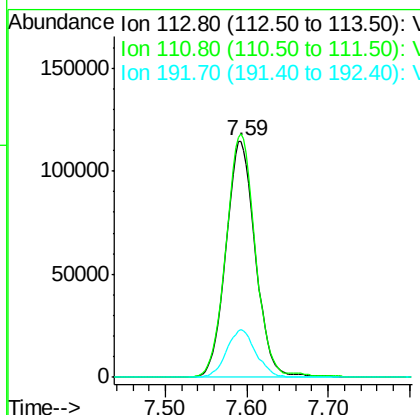
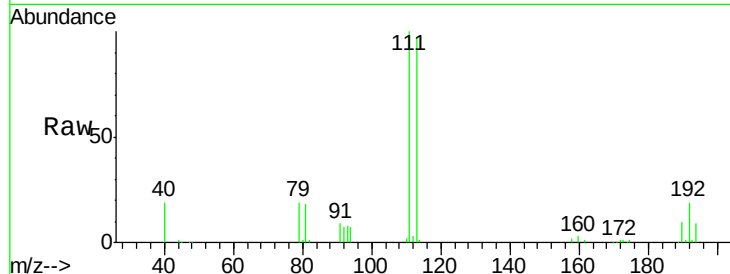




#35
 Dibromofluoromethane
 Concen: 49.359 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054681.D
 Acq: 25 Mar 2019 18:57

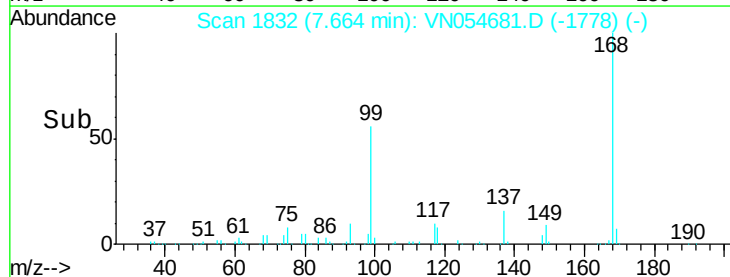
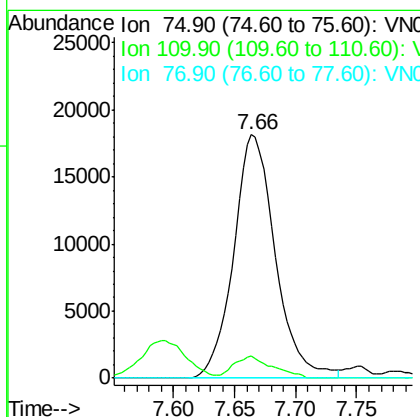
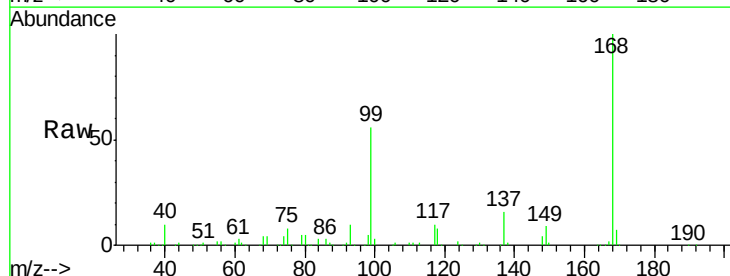
Instrument :
 MSVOA_N
 ClientSampled :
 S3B(19)

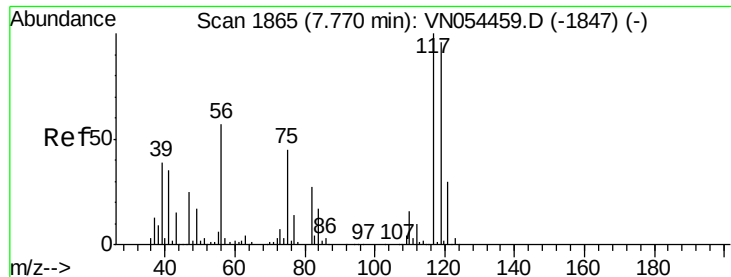
Tot Ion:113 Resp: 289717
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.4
 192 19.9 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 5.038 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054681.D
 Acq: 25 Mar 2019 18:57

Tgt Ion: 75 Resp: 42920
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.1 57.5#
 77 0.0 25.0 37.4#

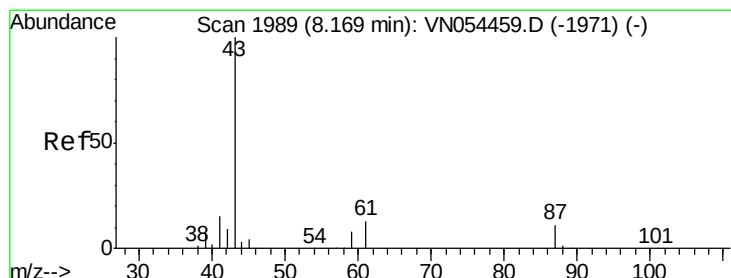
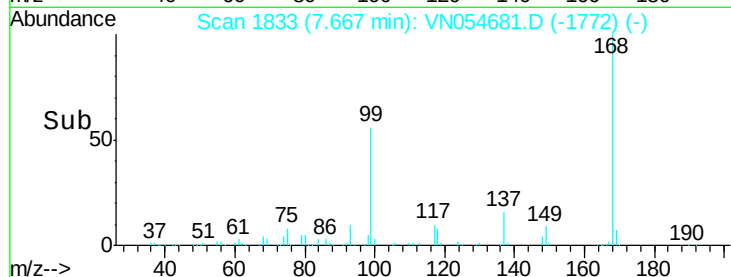
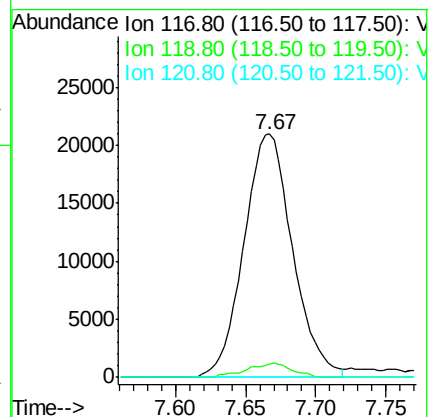
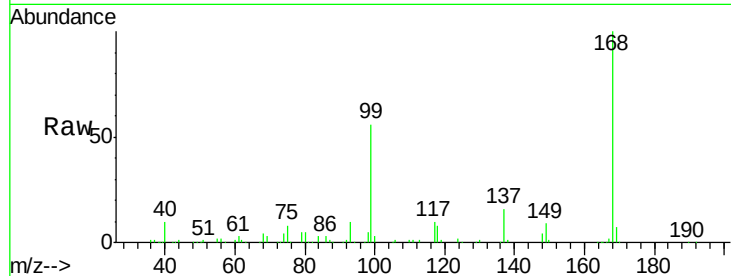




#38
Carbon Tetrachloride
Concen: 6.122 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.10 min
Lab File: VN054681.D
Acq: 25 Mar 2019 18:57

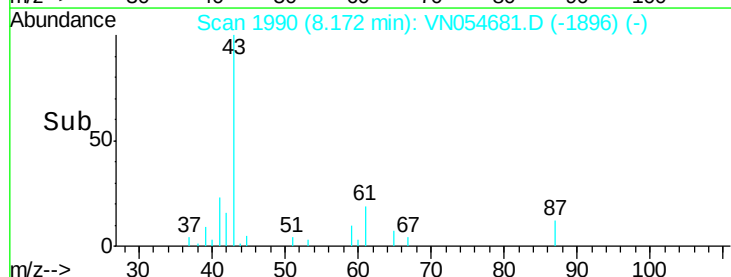
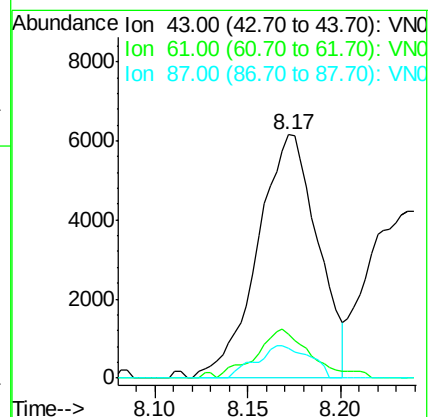
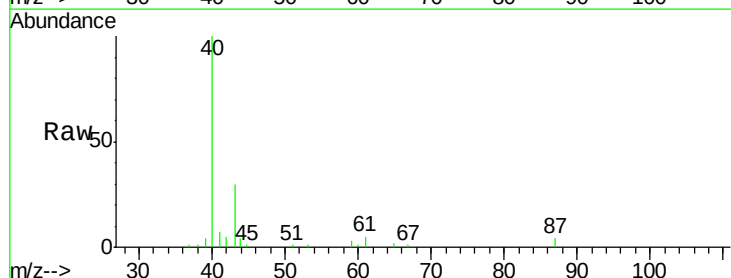
Instrument :
MSVOA_N
ClientSampled :
S3B(19)

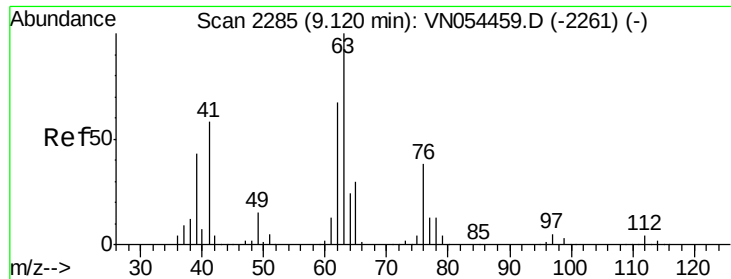
Tot Ion:117 Resp: 50680
Ion Ratio Lower Upper
117 100
119 5.4 76.3 114.5#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 1.358 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN054681.D
Acq: 25 Mar 2019 18:57

Tgt Ion: 43 Resp: 13900
Ion Ratio Lower Upper
43 100
61 18.2 15.8 23.8
87 11.7 12.0 18.0#

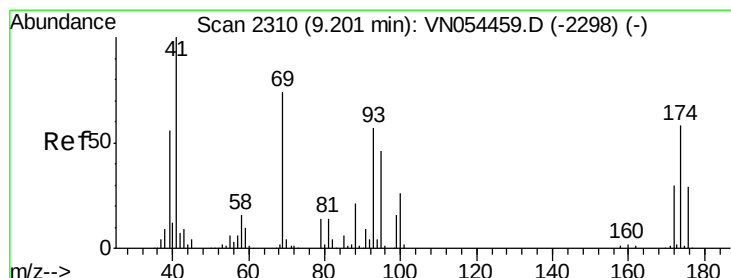
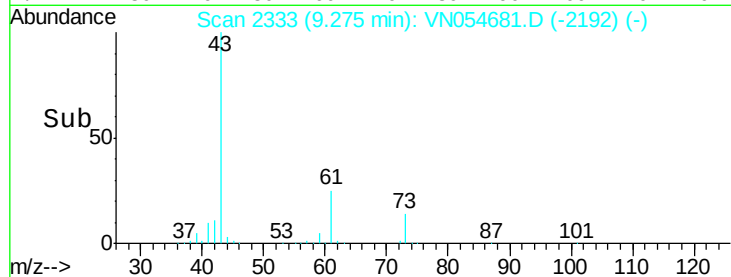
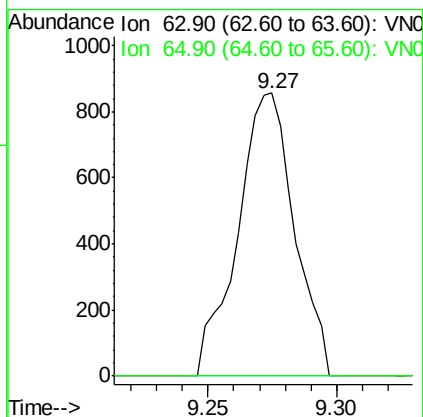
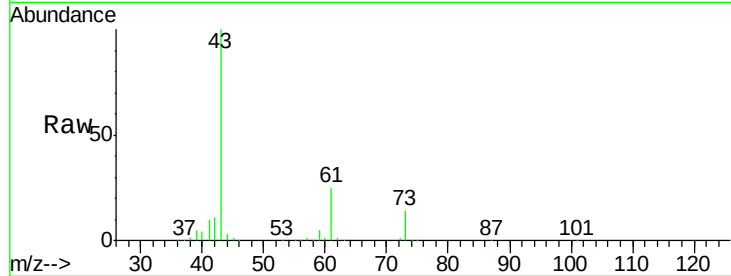




#45
 1,2-Dichloropropane
 Concen: 0.201 ug/l
 RT: 9.27 min Scan# 2333
 Delta R.T. 0.15 min
 Lab File: VN054681.D
 Acq: 25 Mar 2019 18:57

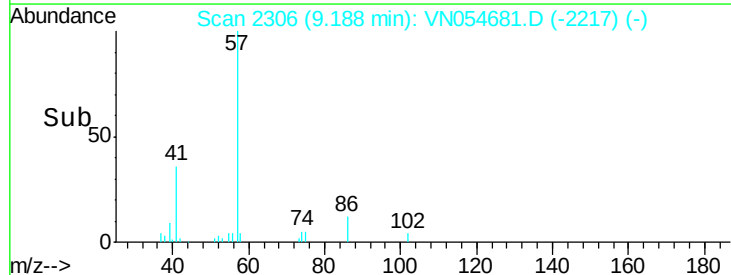
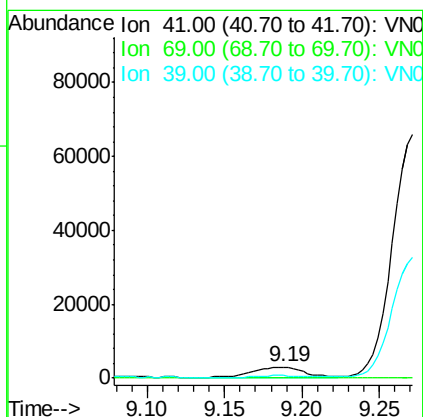
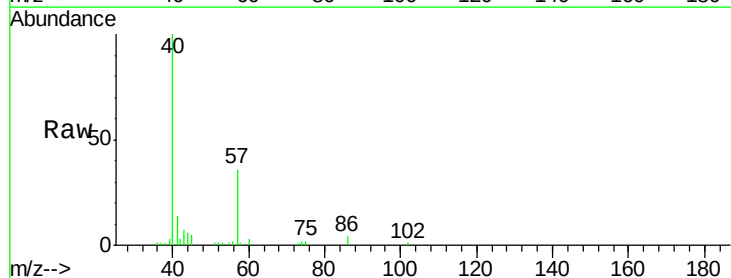
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 MSVOA_N
 ClientSampleId :
 S3B(19)

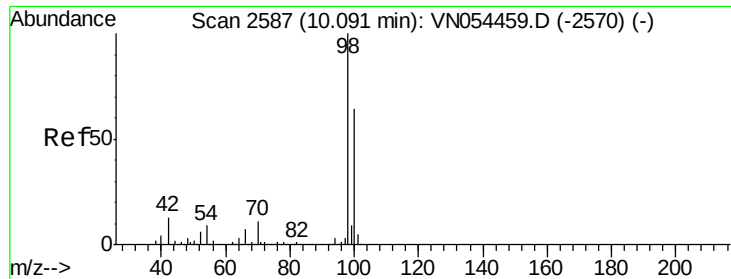
Tot Ion: 63 Resp: 1316
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 1.188 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.01 min
 Lab File: VN054681.D
 Acq: 25 Mar 2019 18:57

Tgt Ion: 41 Resp: 6599
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.6 108.8#
 39 0.0 47.5 71.3#

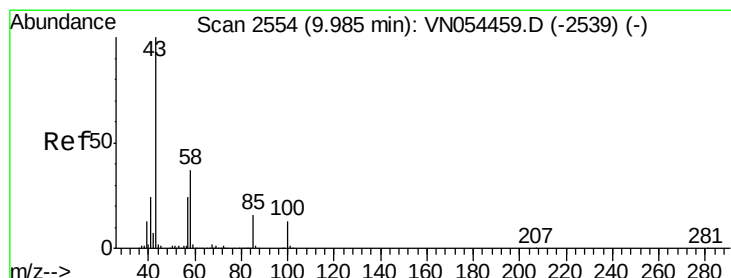
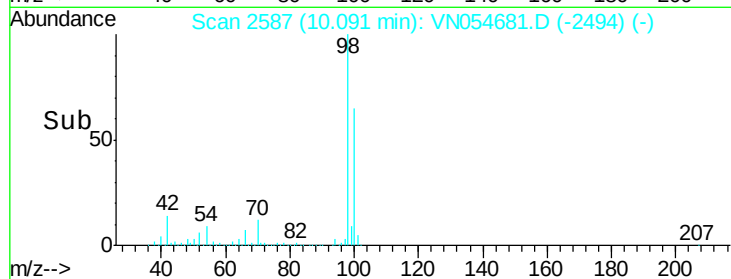
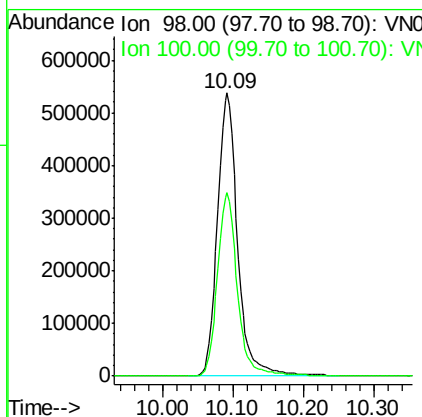
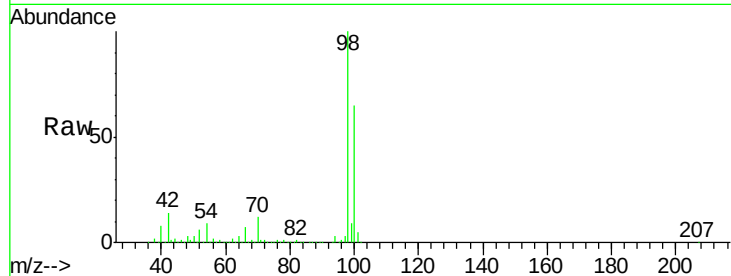




#50
Toluene-d8
Concen: 48.675 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054681.D
Acq: 25 Mar 2019 18:57

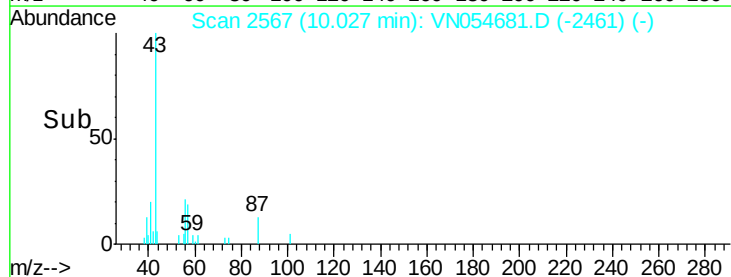
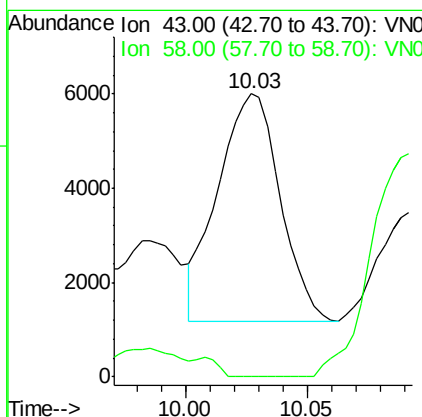
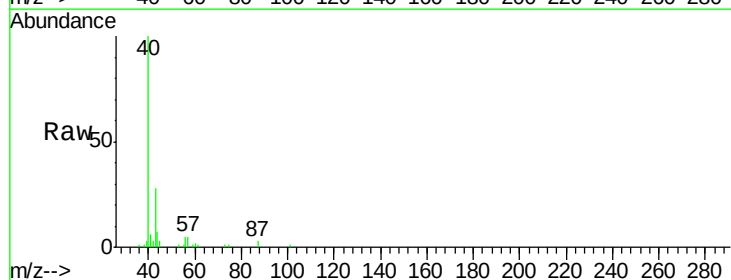
Instrument :
MSVOA_N
ClientSampled :
S3B(19)

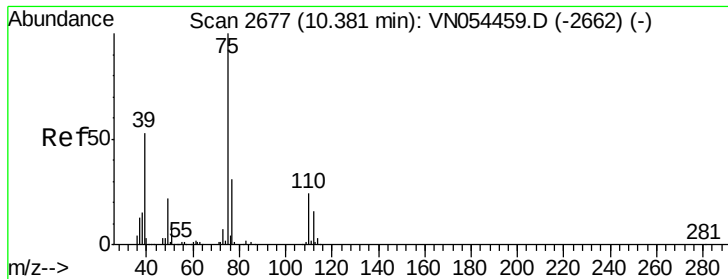
Tot Ion: 98 Resp: 1074068
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 1.504 ug/l
RT: 10.03 min Scan# 2567
Delta R.T. 0.04 min
Lab File: VN054681.D
Acq: 25 Mar 2019 18:57

Tgt Ion: 43 Resp: 8528
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.6#





#53

t-1,3-Dichloropropene

Concen: 2.240 ug/l

RT: 10.11 min Scan# 2592

Delta R.T. -0.27 min

Lab File: VN054681.D

Acq: 25 Mar 2019 18:57

Instrument :

MSVOA_N

ClientSampled :

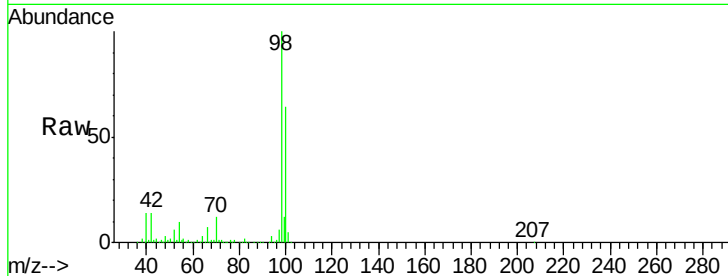
S3B(19)

Tot Ion: 75 Resp: 73

Ion Ratio Lower Upper

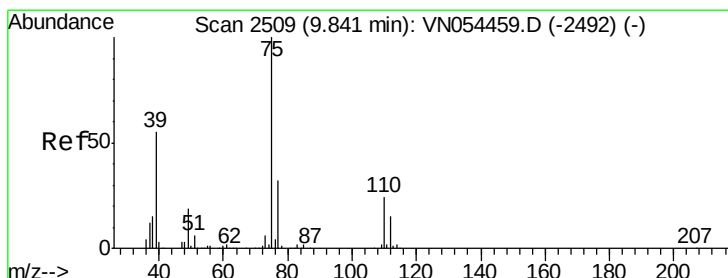
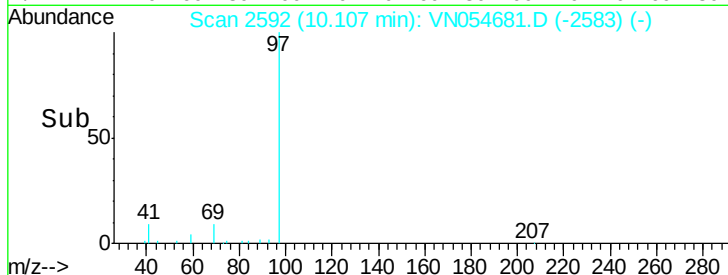
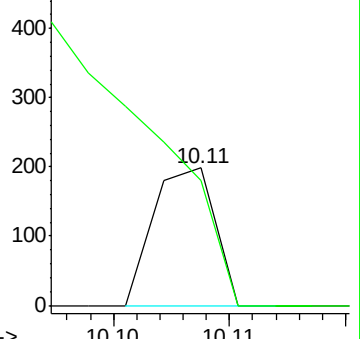
75 100

77 90.9 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.315 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN054681.D

Acq: 25 Mar 2019 18:57

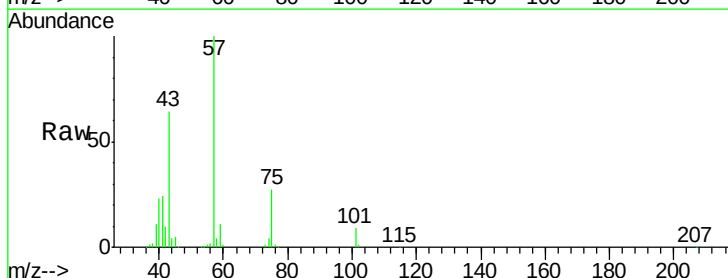
Tgt Ion: 75 Resp: 49356

Ion Ratio Lower Upper

75 100

77 0.9 25.4 38.0#

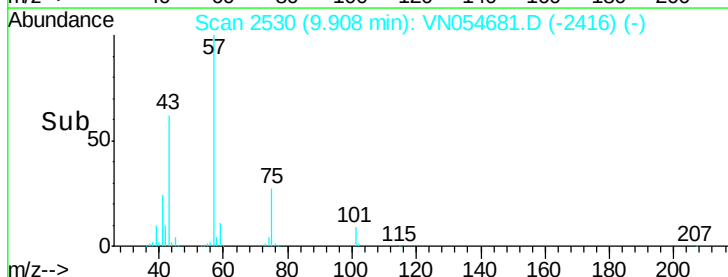
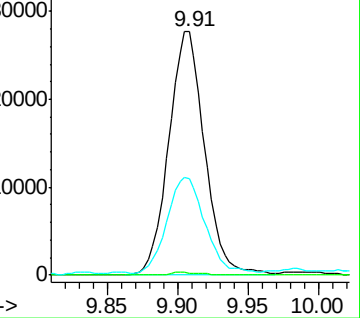
39 38.5 37.2 55.8

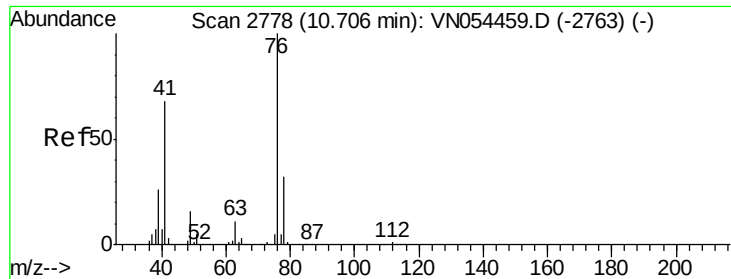


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

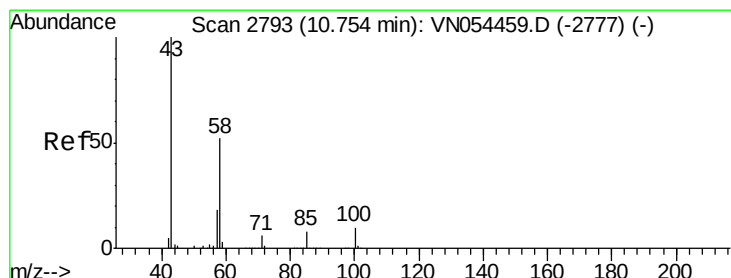
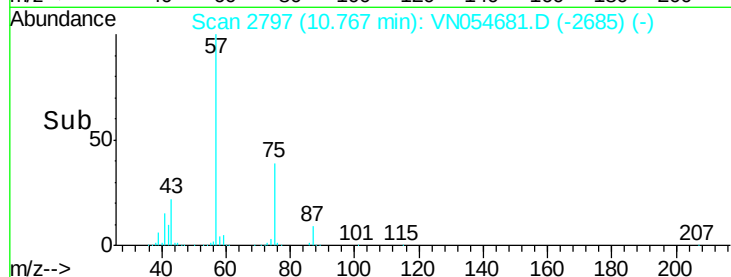
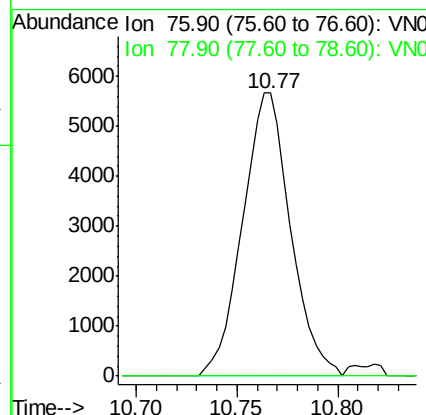
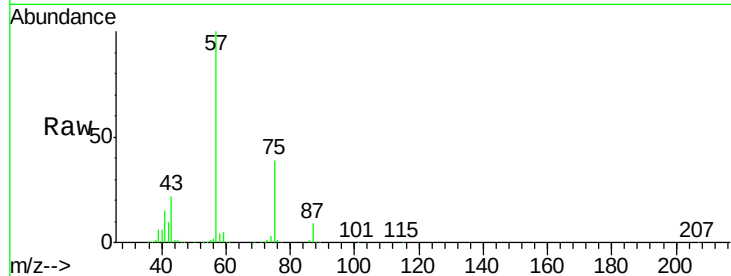




#57
 1,3-Dichloropropane
 Concen: 1.008 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN054681.D
 Acq: 25 Mar 2019 18:57

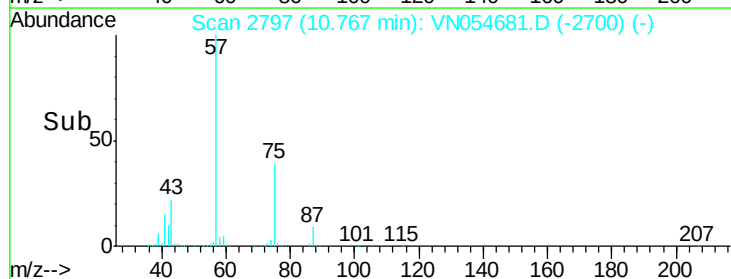
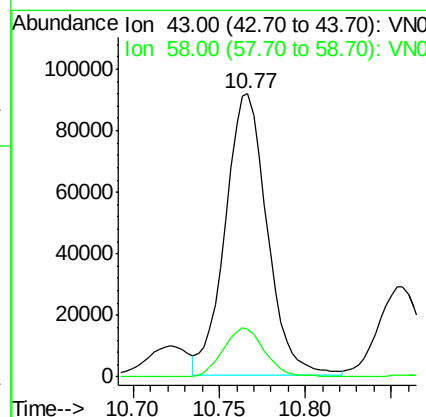
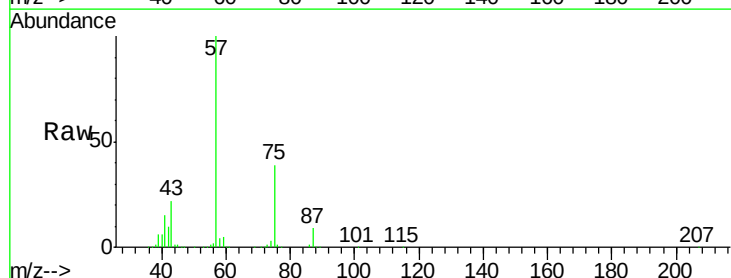
Instrument :
 MSVOA_N
 ClientSampleId :
 S3B(19)

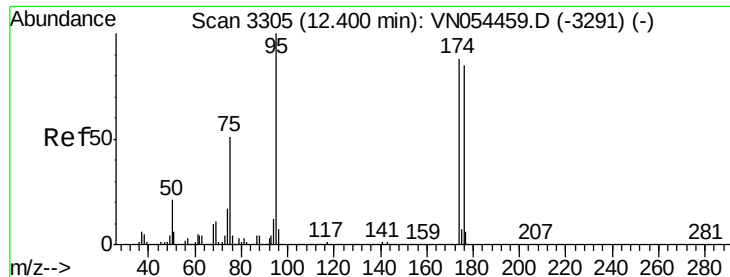
Tot Ion: 76 Resp: 9440
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 41.724 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN054681.D
 Acq: 25 Mar 2019 18:57

Tgt Ion: 43 Resp: 154551
 Ion Ratio Lower Upper
 43 100
 58 17.4 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 43.050 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054681.D

Acq: 25 Mar 2019 18:57

Instrument :

MSVOA_N

ClientSampleId :

S3B(19)

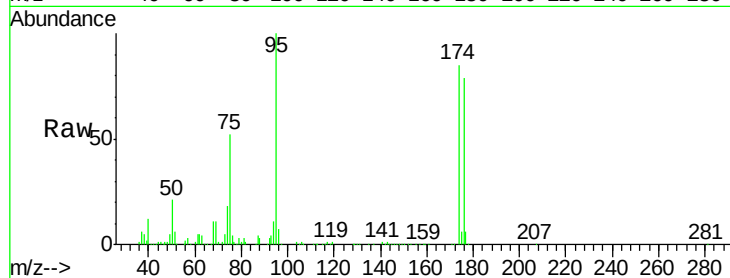
Tot Ion: 95 Resp: 323252

Ion Ratio Lower Upper

95 100

174 84.8 0.0 191.0

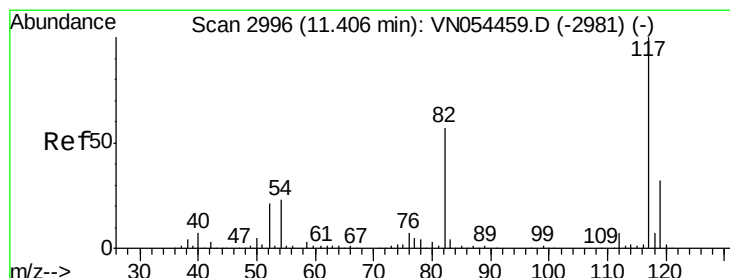
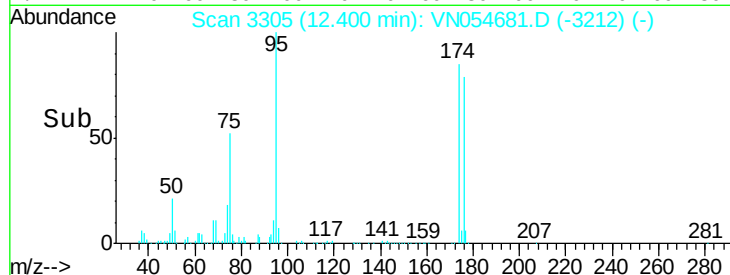
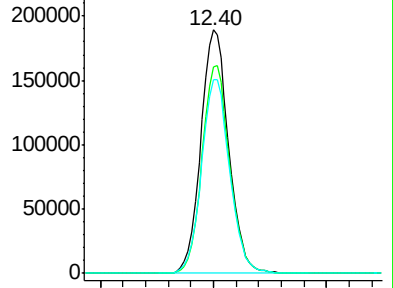
176 80.5 0.0 187.4



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: VN054681.D

Acq: 25 Mar 2019 18:57

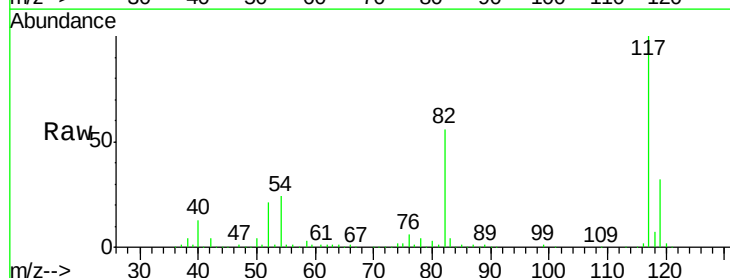
Tgt Ion: 117 Resp: 744329

Ion Ratio Lower Upper

117 100

82 56.4 40.0 60.0

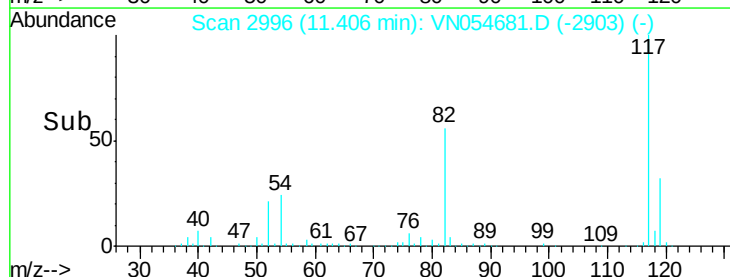
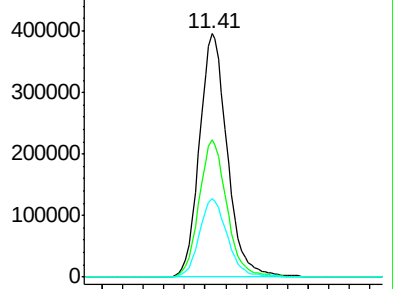
119 32.0 25.8 38.6

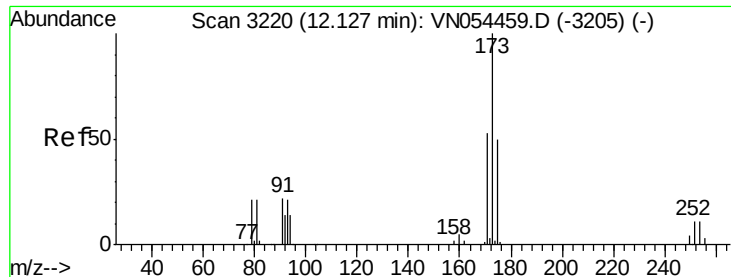


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

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

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





#71

Bromoform

Concen: 2.228 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.25 min

Lab File: VN054681.D

Acq: 25 Mar 2019 18:57

Instrument :

MSVOA_N

ClientSampled :

S3B(19)

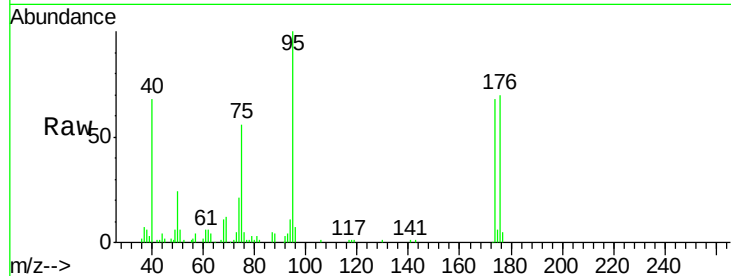
Tot Ion:173 Resp: 31

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

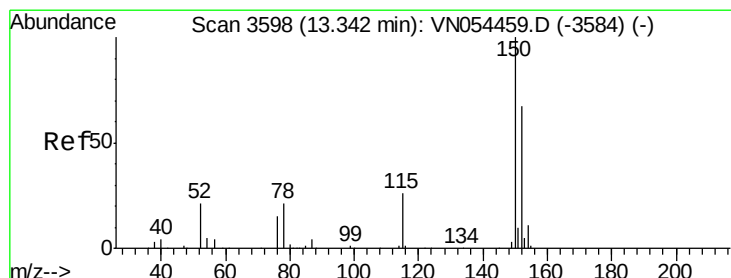
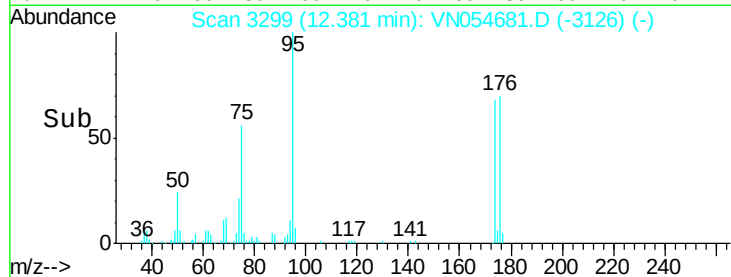
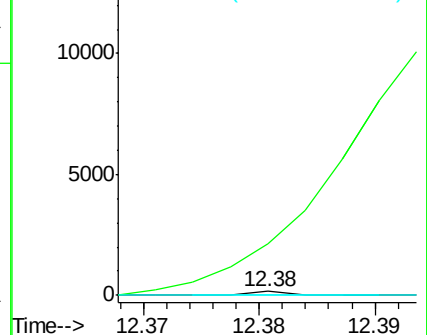
254 0.0 0.1 0.1#



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: VN054681.D

Acq: 25 Mar 2019 18:57

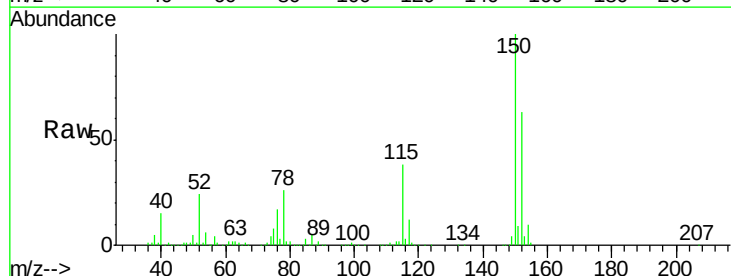
Tgt Ion:152 Resp: 265350

Ion Ratio Lower Upper

152 100

115 58.0 27.2 81.6

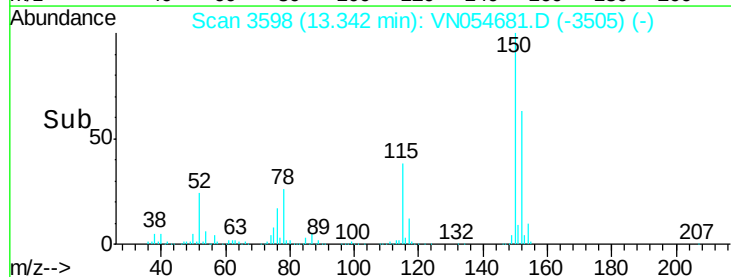
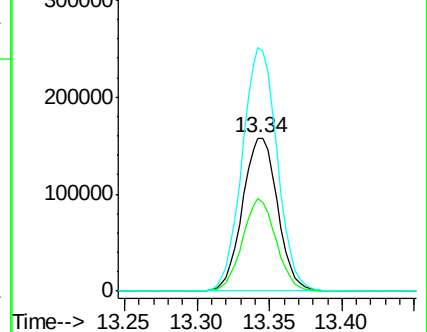
150 158.6 0.0 349.2

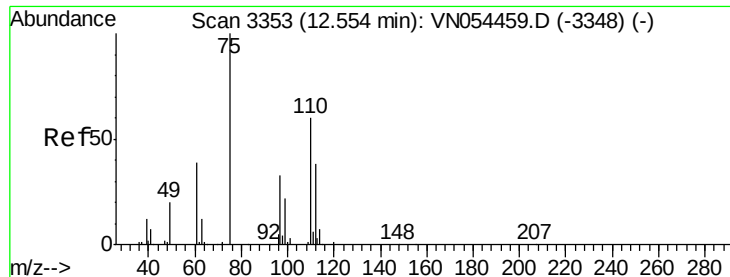


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 39.767 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054681.D

Acq: 25 Mar 2019 18:57

Instrument :

MSVOA_N

ClientSampled :

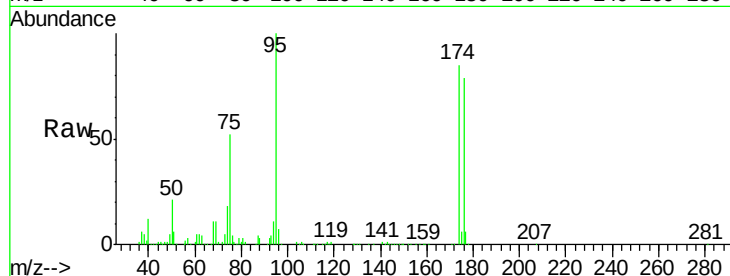
S3B(19)

Tot Ion: 75 Resp: 167448

Ion Ratio Lower Upper

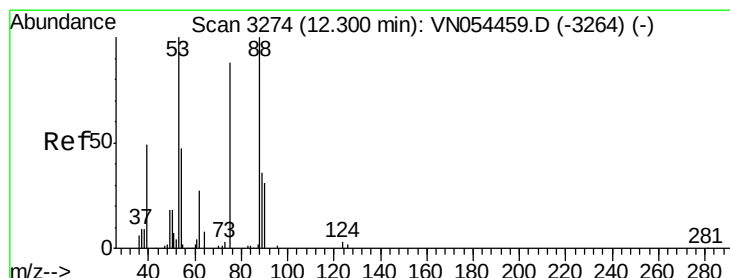
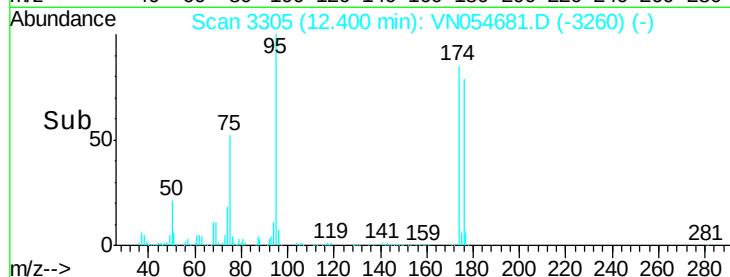
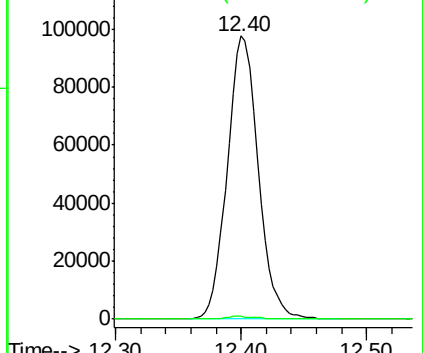
75 100

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: 131.567 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054681.D

Acq: 25 Mar 2019 18:57

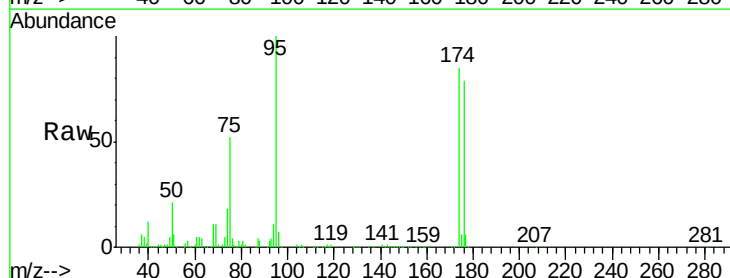
Tgt Ion: 75 Resp: 167448

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

