

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054651.D
 Acq On : 24 Mar 2019 16:34
 Operator : JC/SP
 Sample : K2047-12
 Misc : 5.75uL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 06:16:02 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	571528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	888519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	760671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	302268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	352897	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	7.59	113	269829	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
50) Toluene-d8	10.09	98	1082285	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	348525	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	

Target Compounds

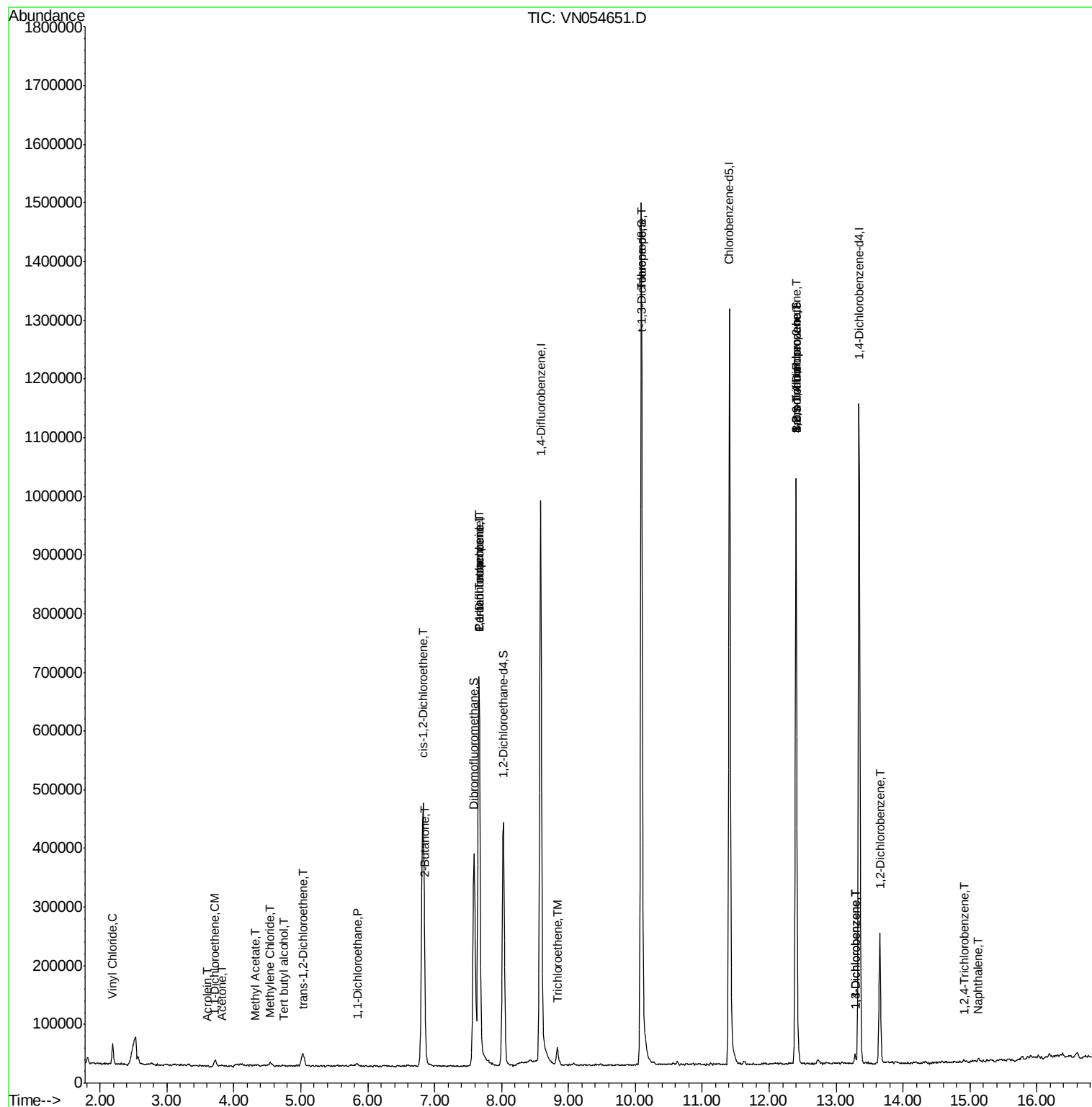
						Qvalue
4) Vinyl Chloride	2.19	62	29437	3.944	ug/l	98
11) Tert butyl alcohol	4.75	59	614	1.427	ug/l #	70
12) 1,1-Dichloroethene	3.71	96	5139	0.932	ug/l	84
13) Acrolein	3.60	56	130	0.219	ug/l #	66
16) Acetone	3.82	43	692	0.324	ug/l #	38
18) Methyl Acetate	4.32	43	1510	0.317	ug/l #	63
20) Methylene Chloride	4.54	84	2032	0.323	ug/l #	77
21) trans-1,2-Dichloroethene	5.03	96	13152	2.336	ug/l	92
24) 1,1-Dichloroethane	5.84	63	6471	0.587	ug/l #	92
25) 2-Butanone	6.86	43	1293	0.472	ug/l #	39
27) cis-1,2-Dichloroethene	6.83	96	291129	43.361	ug/l	96
31) Cyclohexane	7.66	56	12580	Below Cal	#	20
36) 1,1-Dichloropropene	7.66	75	42380	5.101	ug/l #	48
38) Carbon Tetrachloride	7.66	117	51308	6.355	ug/l #	16
44) Trichloroethene	8.83	130	10261	1.554	ug/l	98
53) t-1,3-Dichloropropene	10.11	75	29	2.235	ug/l #	1
71) Bromoform	12.40	173	1288	2.542	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	180397	37.610	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	180397	124.602	ug/l #	11
87) 1,3-Dichlorobenzene	13.28	146	6253	0.625	ug/l	94
88) 1,4-Dichlorobenzene	13.28	146	6253	0.642	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	94969	9.794	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	1253	0.259	ug/l	84
95) Naphthalene	15.13	128	2164	0.201	ug/l #	83

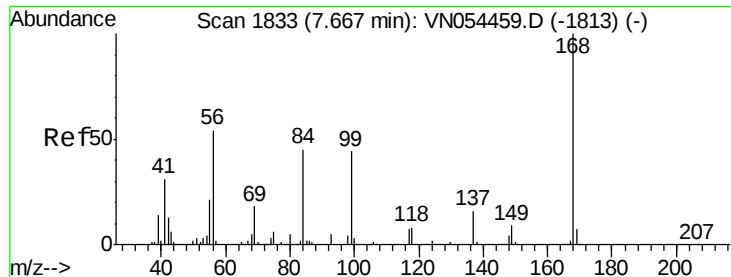
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.75g/5mL/100uL/5.00mL/MSVOA_N/MEOH
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 25 06:16:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054651.D

Acq: 24 Mar 2019 16:34

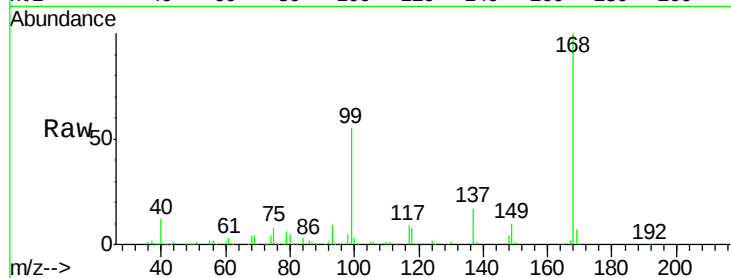
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 571528

Ion Ratio Lower Upper

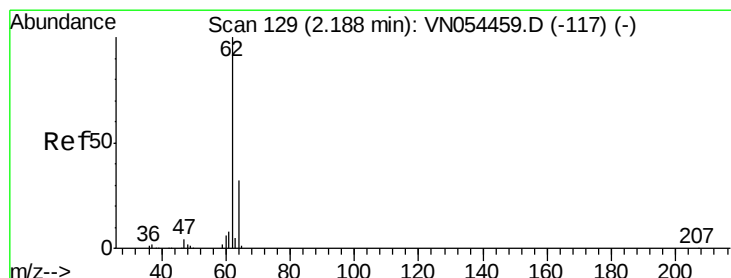
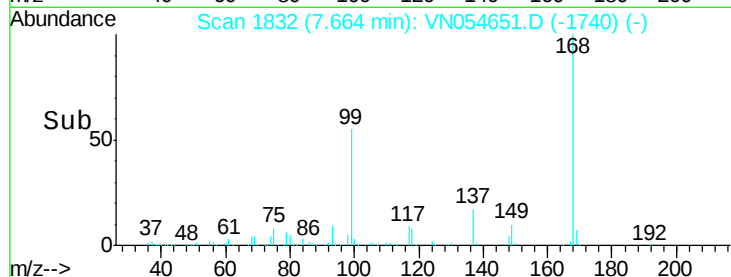
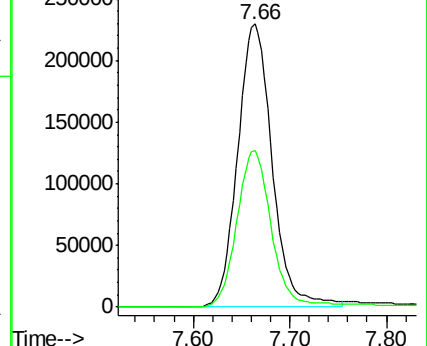
168 100

99 55.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Vinyl Chloride

Concen: 3.944 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054651.D

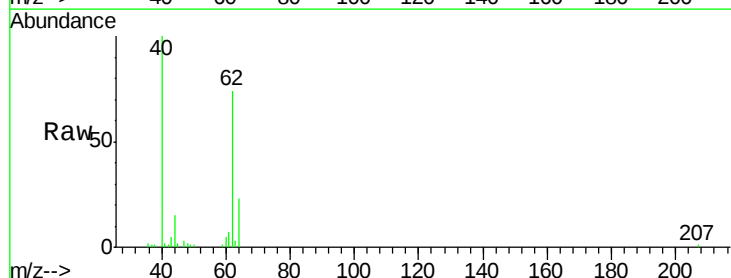
Acq: 24 Mar 2019 16:34

Tgt Ion: 62 Resp: 29437

Ion Ratio Lower Upper

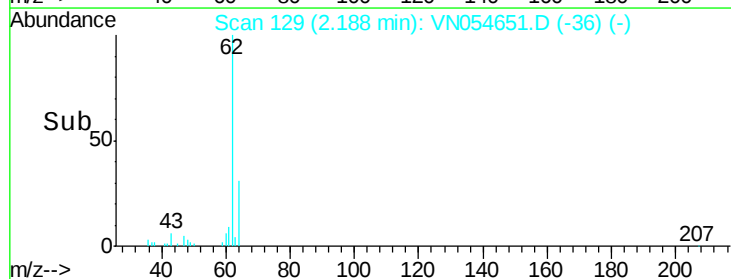
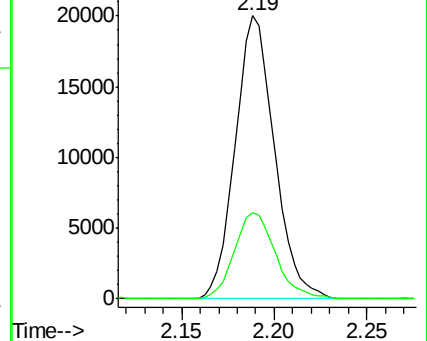
62 100

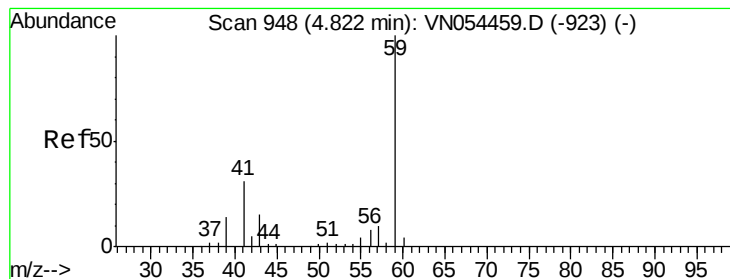
64 30.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



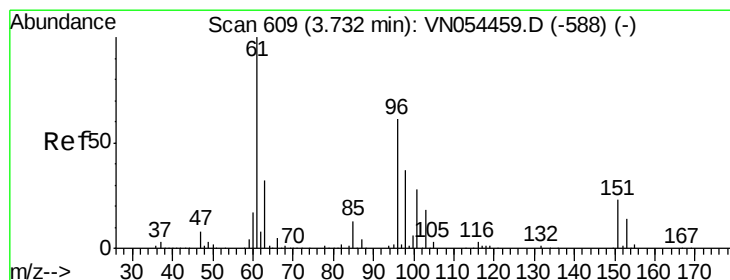
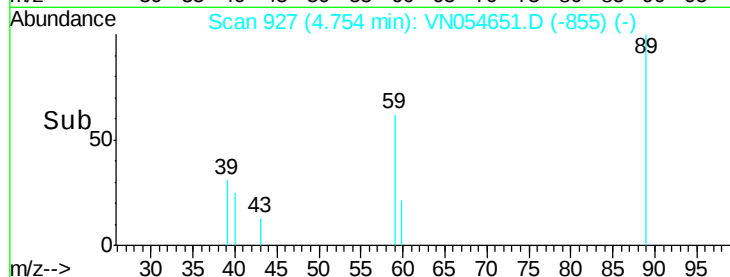
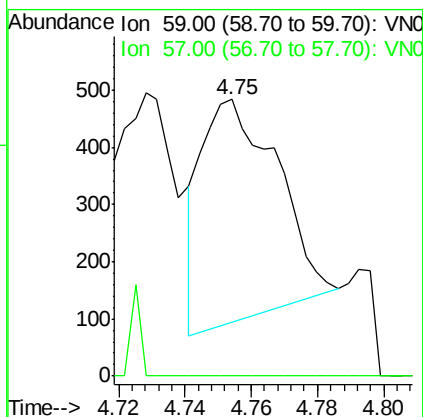
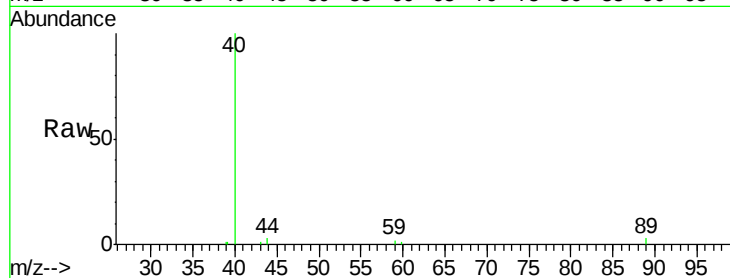


#11

Tert butyl alcohol
 Concen: 1.427 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.07 min
 Lab File: VN054651.D
 Acq: 24 Mar 2019 16:34

Instrument :
 MSVOA_N
 ClientSampled :

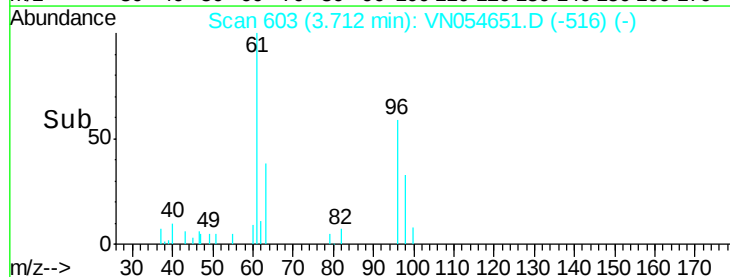
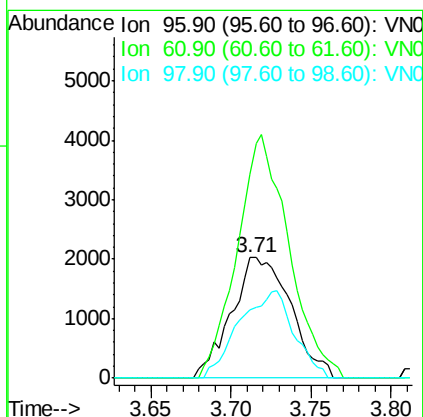
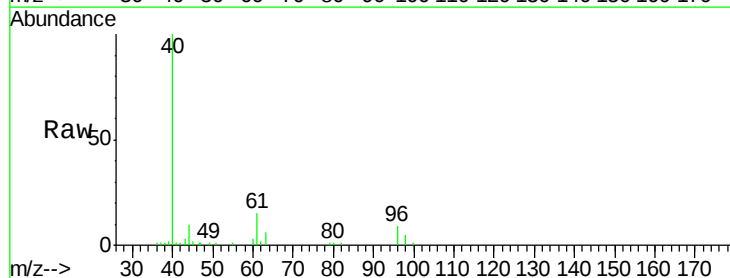
Tot Ion: 59 Resp: 614
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

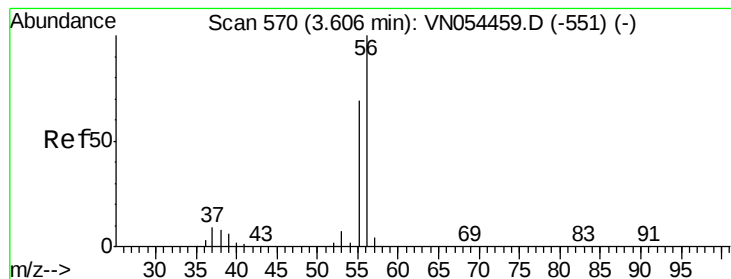


#12

1,1-Dichloroethene
 Concen: 0.932 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.02 min
 Lab File: VN054651.D
 Acq: 24 Mar 2019 16:34

Tgt Ion: 96 Resp: 5139
 Ion Ratio Lower Upper
 96 100
 61 169.1 116.5 174.7
 98 56.4 51.0 76.4





#13

Acrolein

Concen: 0.219 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN054651.D

Acq: 24 Mar 2019 16:34

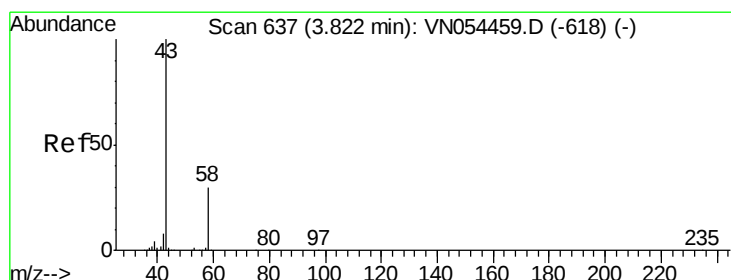
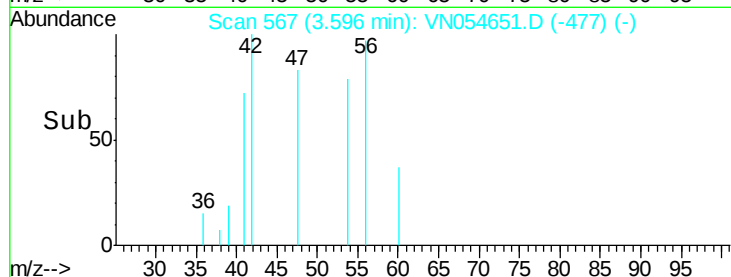
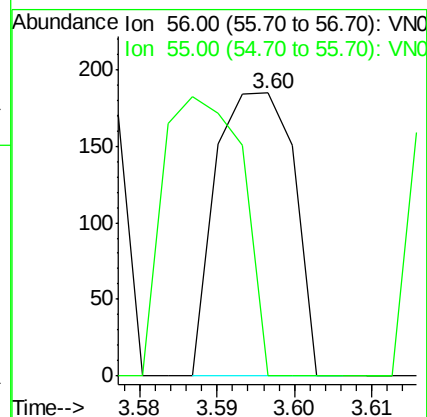
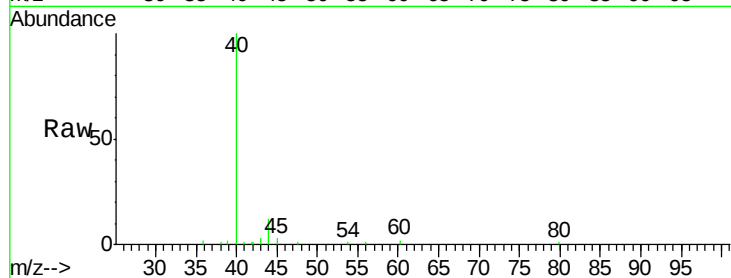
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 130

Ion Ratio Lower Upper

56 100

55 99.2 56.7 85.1#



#16

Acetone

Concen: 0.324 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054651.D

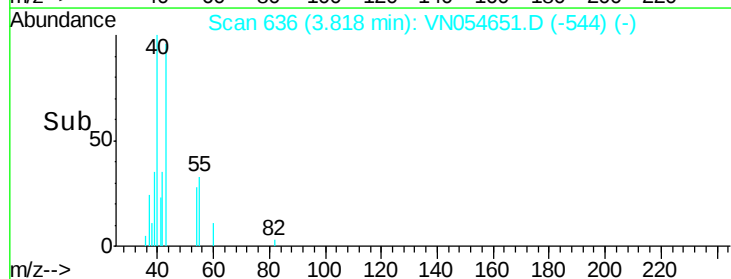
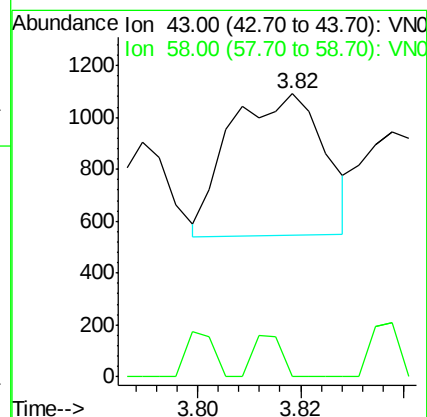
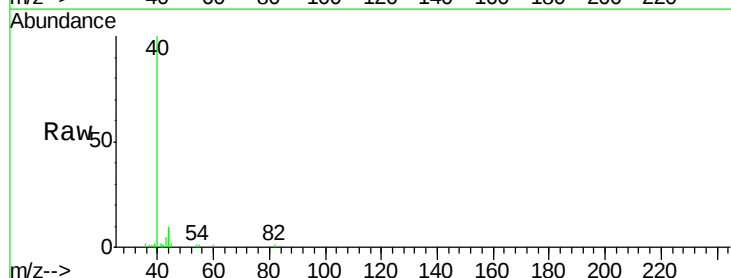
Acq: 24 Mar 2019 16:34

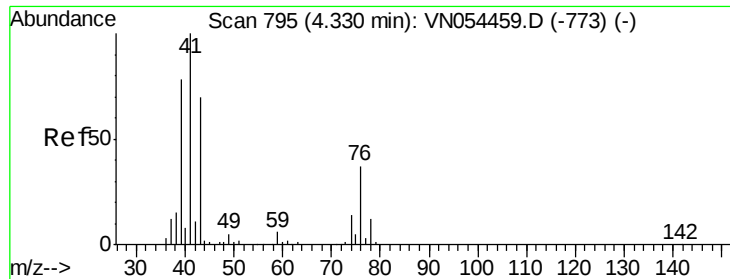
Tgt Ion: 43 Resp: 692

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#

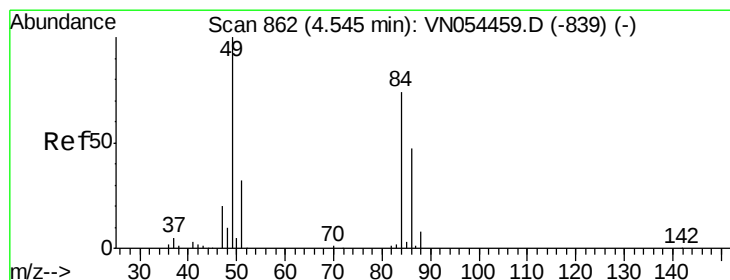
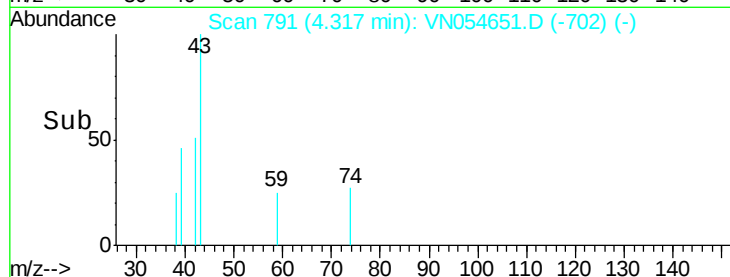
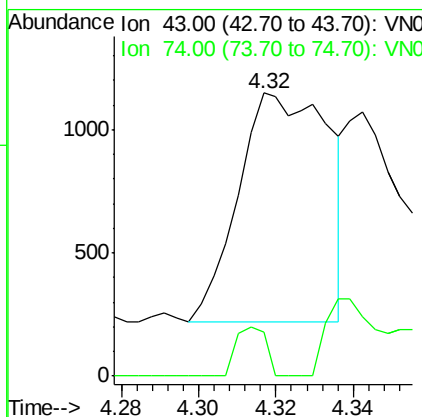
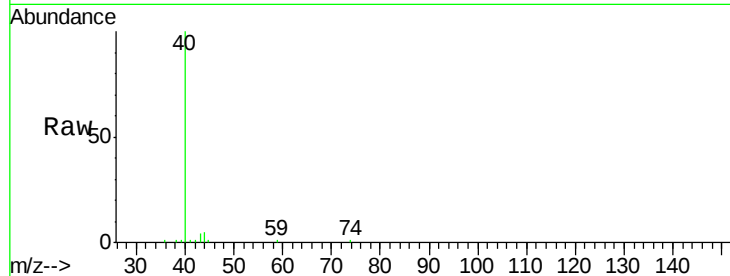




#18
Methvl Acetate
Concen: 0.317 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.01 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

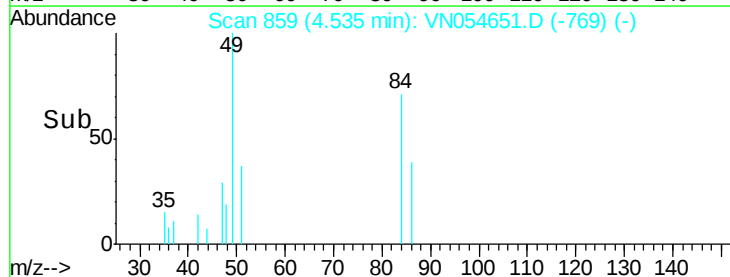
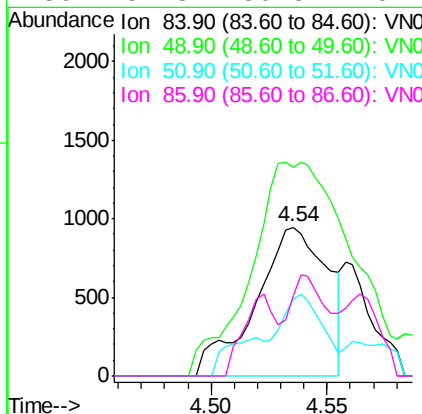
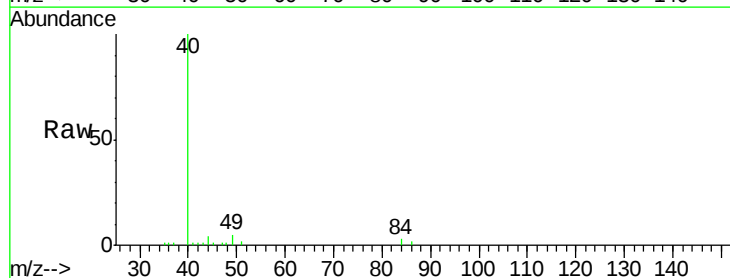
Instrument :
MSVOA_N
ClientSampleId :

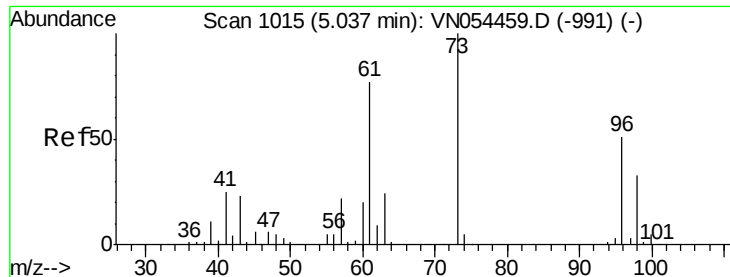
Tot Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
74 7.1 20.8 31.2#



#20
Methylene Chloride
Concen: 0.323 ug/l
RT: 4.54 min Scan# 859
Delta R.T. -0.01 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

Tgt Ion: 84 Resp: 2032
Ion Ratio Lower Upper
84 100
49 140.6 89.7 134.5#
51 52.0 28.2 42.4#
86 54.3 50.8 76.2

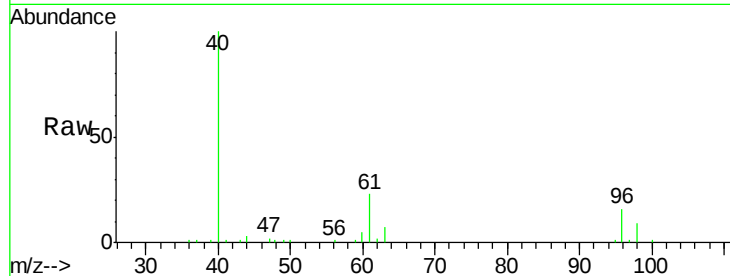




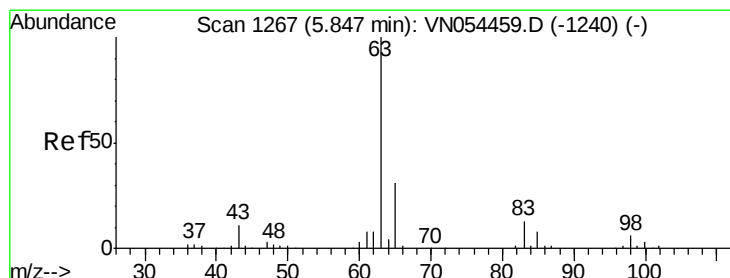
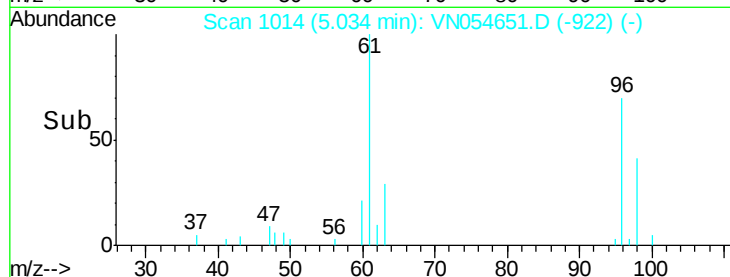
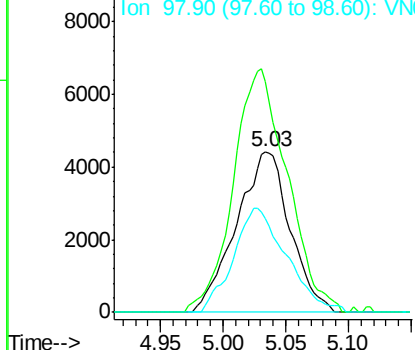
#21
trans-1,2-Dichloroethene
Concen: 2.336 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 13152
Ion Ratio Lower Upper
96 100
61 139.5 102.8 154.2
98 58.4 50.0 75.0

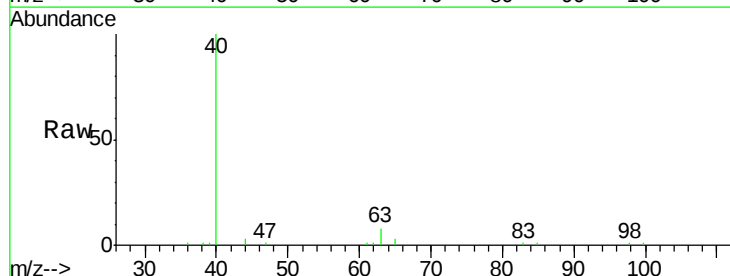


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

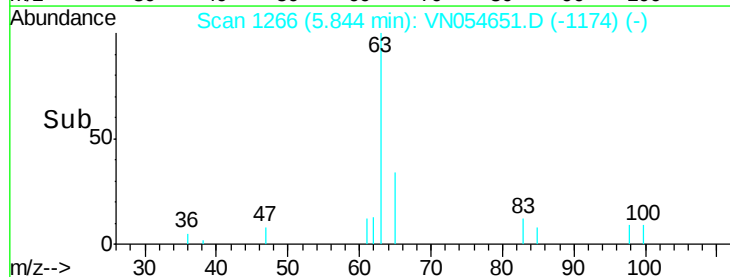
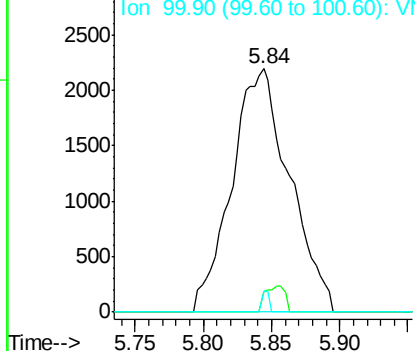


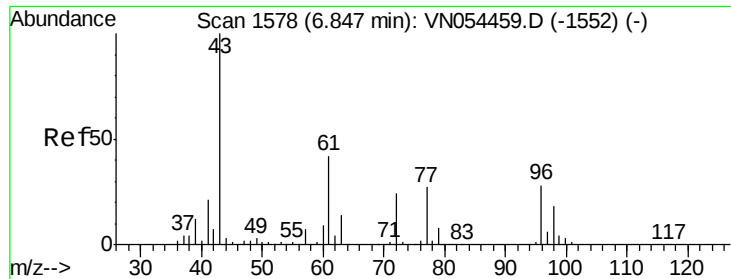
#24
1,1-Dichloroethane
Concen: 0.587 ug/l
RT: 5.84 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

Tgt Ion: 63 Resp: 6471
Ion Ratio Lower Upper
63 100
98 8.6 3.5 10.5
100 8.8 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0

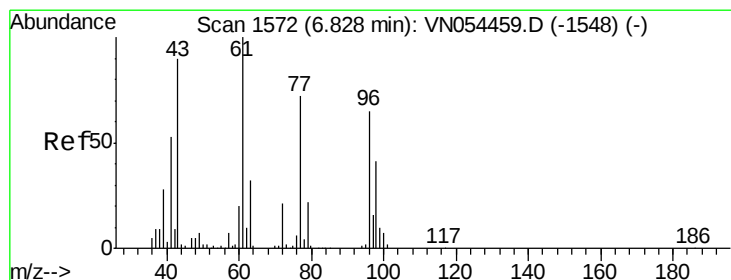
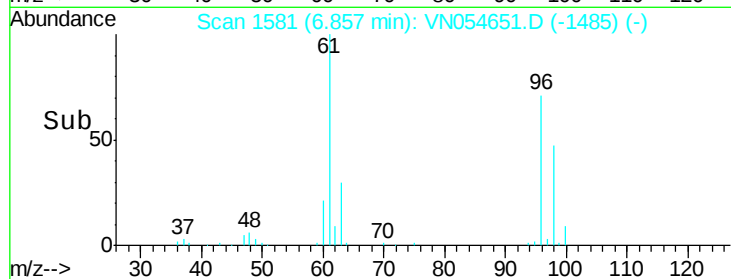
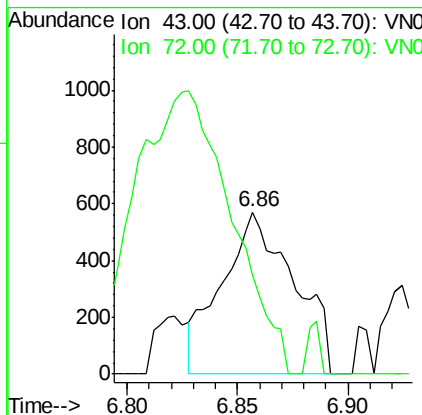
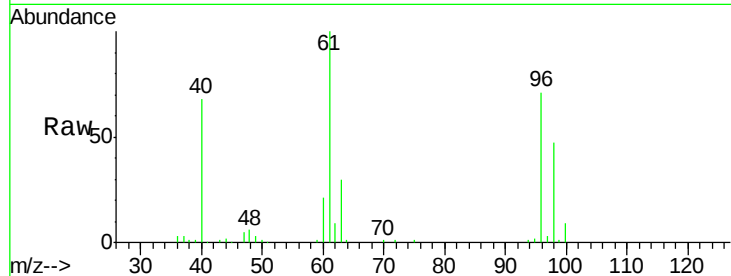




#25
2-Butanone
Concen: 0.472 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

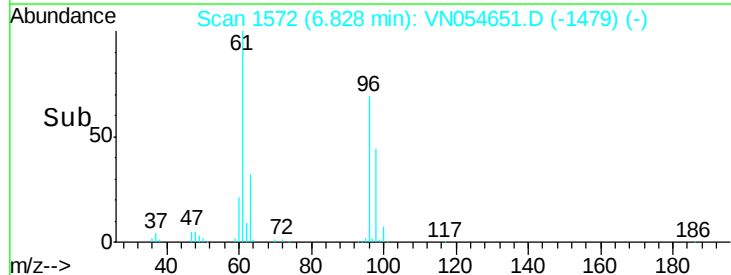
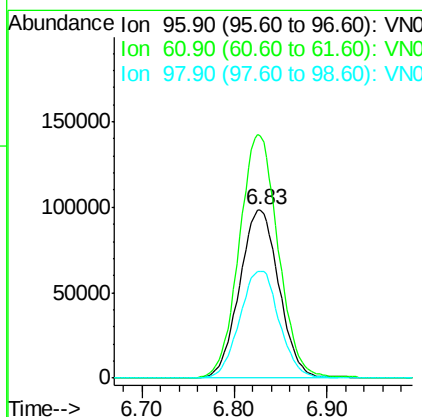
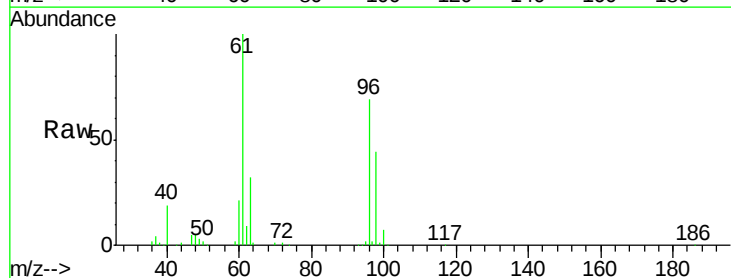
Instrument :
MSVOA_N
ClientSampled :

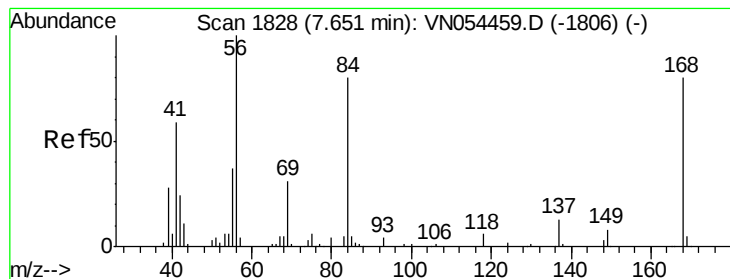
Tot Ion: 43 Resp: 1293
Ion Ratio Lower Upper
43 100
72 61.1 23.0 34.6#



#27
cis-1,2-Dichloroethene
Concen: 43.361 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

Tgt Ion: 96 Resp: 291129
Ion Ratio Lower Upper
96 100
61 142.6 0.0 273.0
98 63.8 0.0 130.6





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054651.D

Acq: 24 Mar 2019 16:34

Instrument :
MSVOA_N
ClientSampleId :

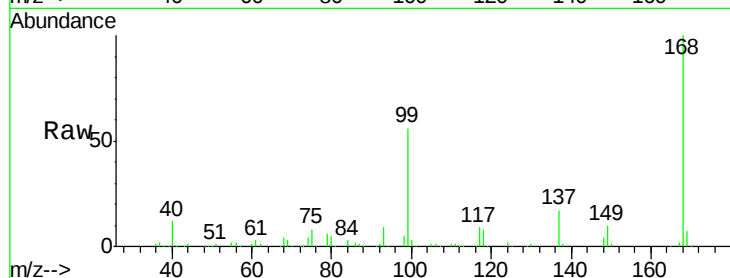
Tot Ion: 56 Resp: 12580

Ion Ratio Lower Upper

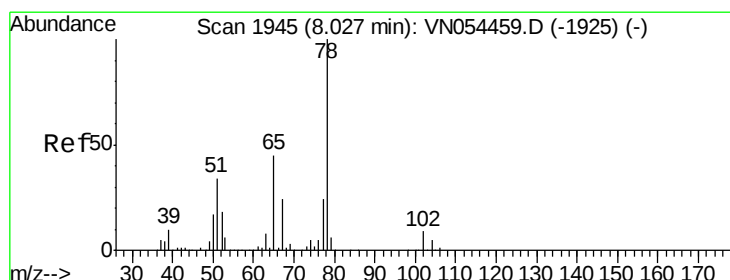
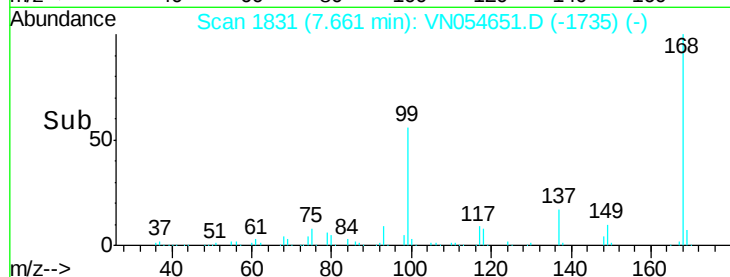
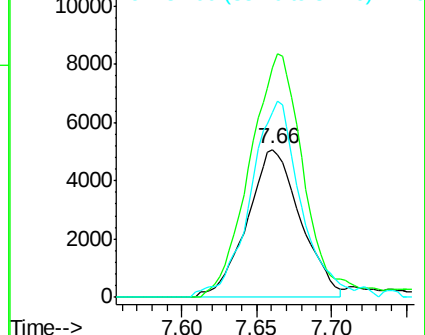
56 100

69 155.1 27.8 41.6#

84 124.8 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: 49.642 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054651.D

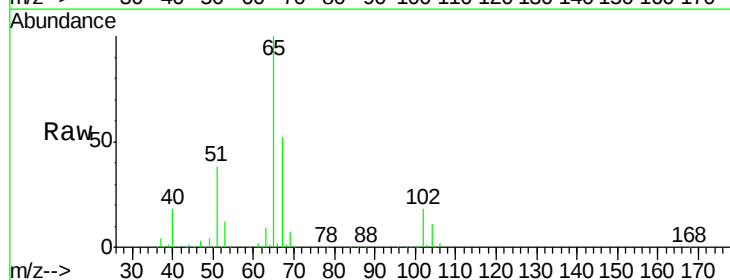
Acq: 24 Mar 2019 16:34

Tgt Ion: 65 Resp: 352897

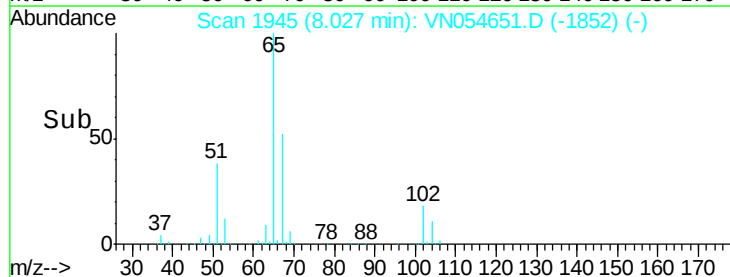
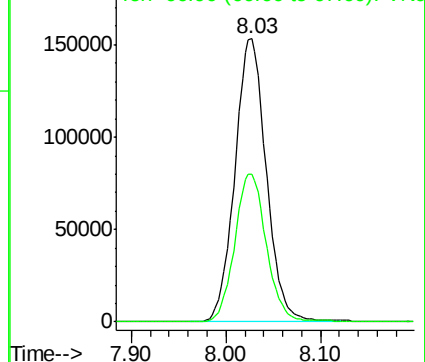
Ion Ratio Lower Upper

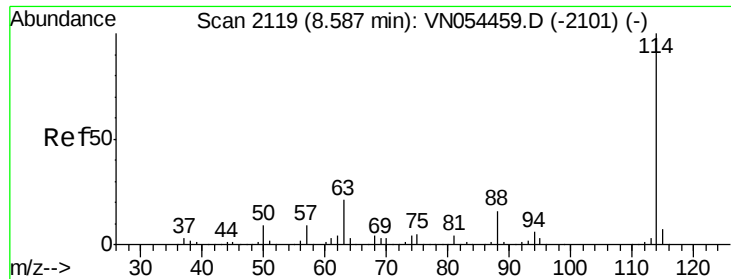
65 100

67 52.4 0.0 104.6



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

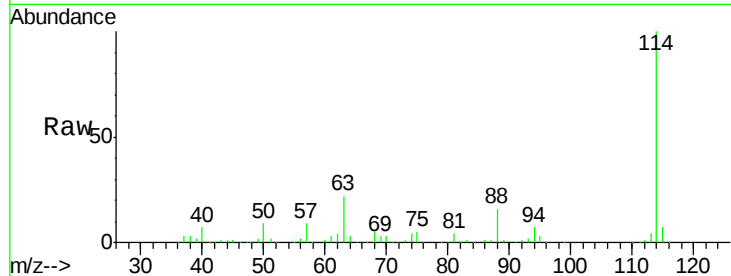




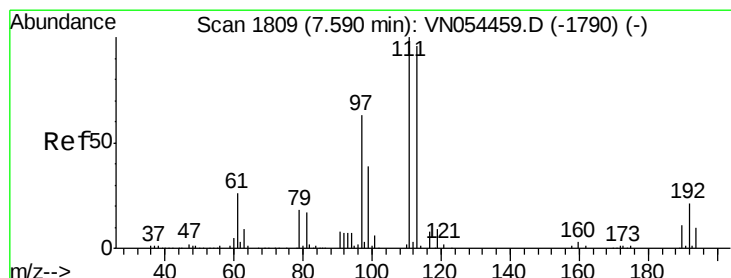
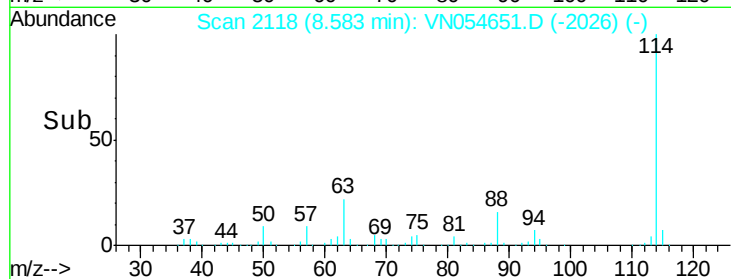
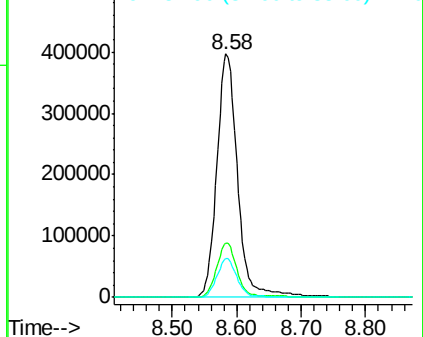
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054651.D
 Acq: 24 Mar 2019 16:34

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 888519
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 35.2
 88 16.2 0.0 30.2

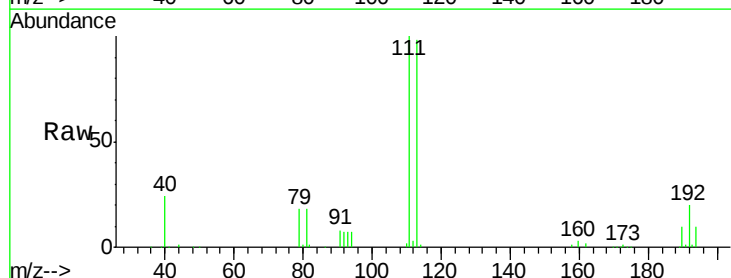


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

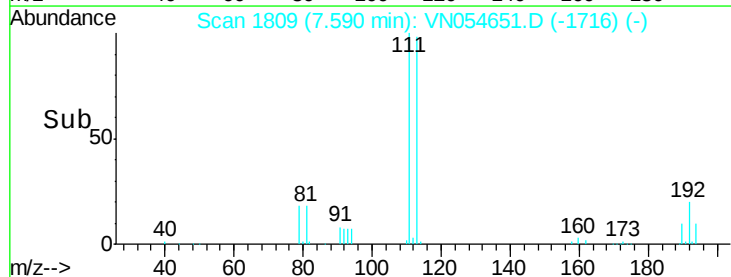
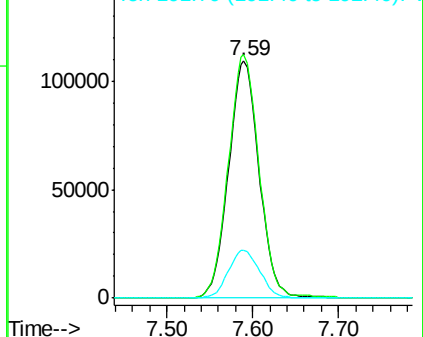


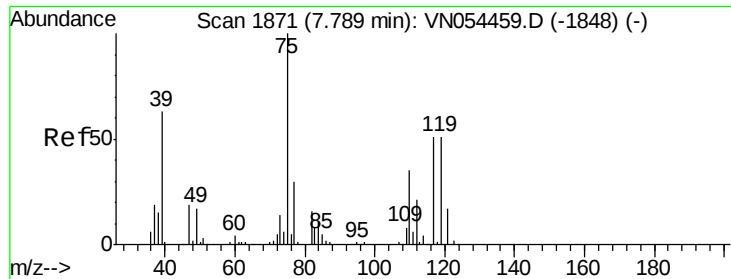
#35
 Dibromofluoromethane
 Concen: 47.138 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054651.D
 Acq: 24 Mar 2019 16:34

Tgt Ion:113 Resp: 269829
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.4
 192 20.8 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: 5.101 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054651.D

Acq: 24 Mar 2019 16:34

Instrument :
MSVOA_N
ClientSampled :

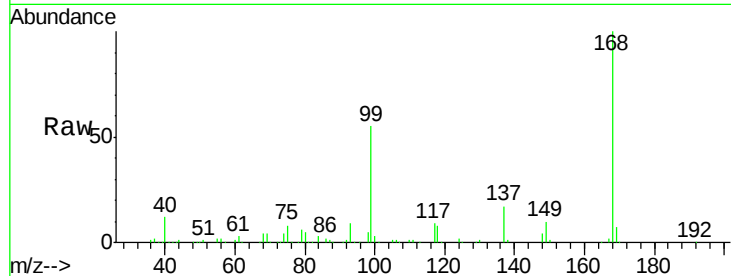
Tot Ion: 75 Resp: 42380

Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.5#

77 0.0 25.0 37.4#

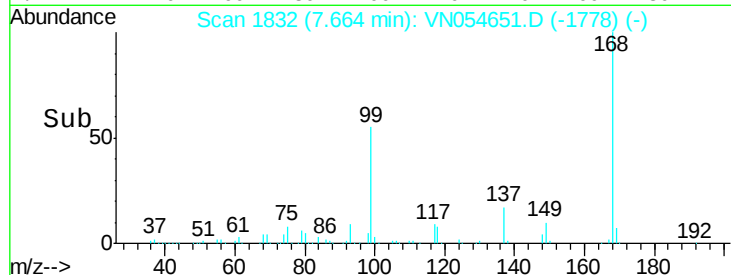


Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-1848) (-)

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

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

Time-->

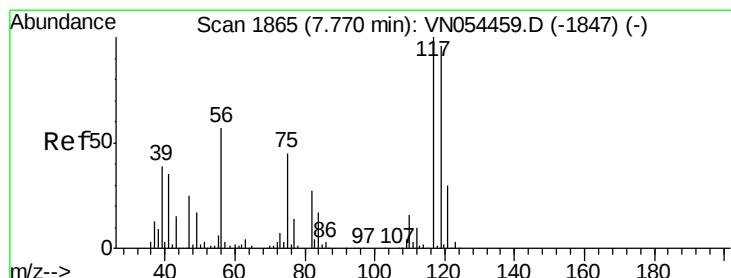


Abundance Ion 74.90 (74.60 to 75.60): VN054651.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN054651.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN054651.D (-1778) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.355 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054651.D

Acq: 24 Mar 2019 16:34

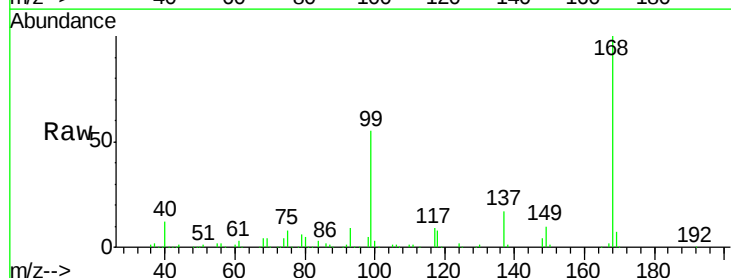
Tgt Ion: 117 Resp: 51308

Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

121 0.0 24.6 36.8#

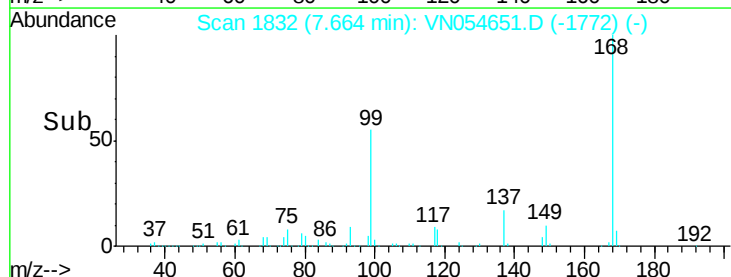


Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-1847) (-)

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

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

Time-->

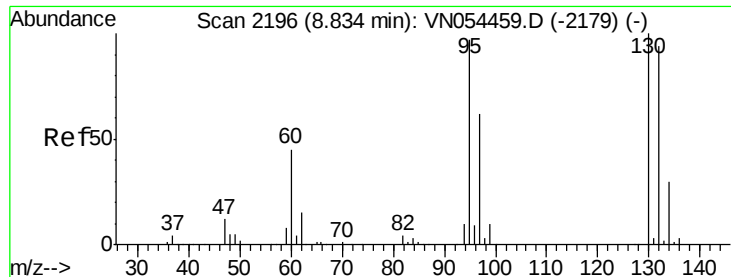


Abundance Ion 116.80 (116.50 to 117.50): VN054651.D (-1772) (-)

Ion 118.80 (118.50 to 119.50): VN054651.D (-1772) (-)

Ion 120.80 (120.50 to 121.50): VN054651.D (-1772) (-)

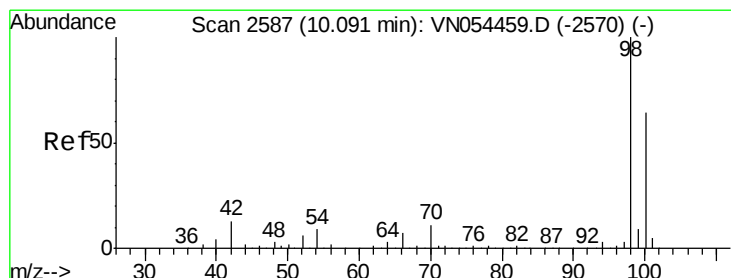
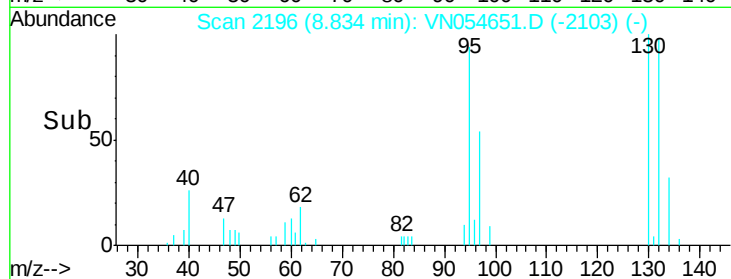
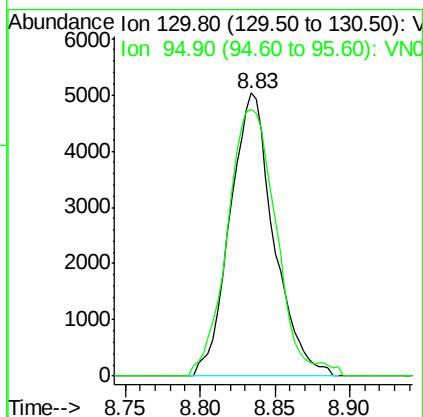
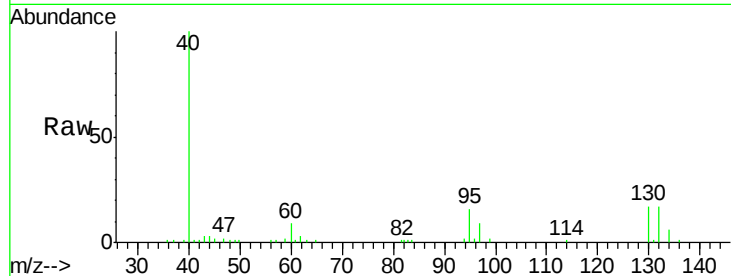
Time-->



#44
 Trichloroethene
 Concen: 1.554 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054651.D
 Acq: 24 Mar 2019 16:34

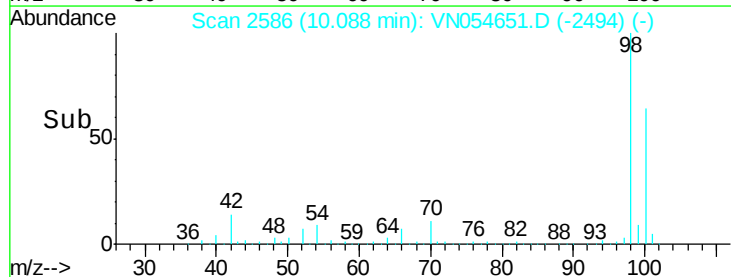
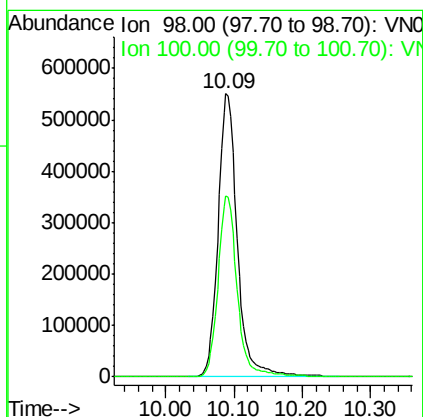
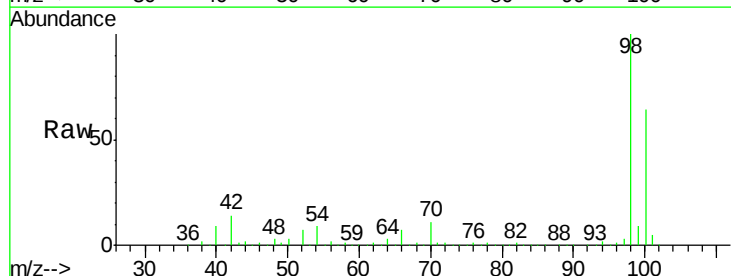
Instrument :
 MSVOA_N
 ClientSampled :

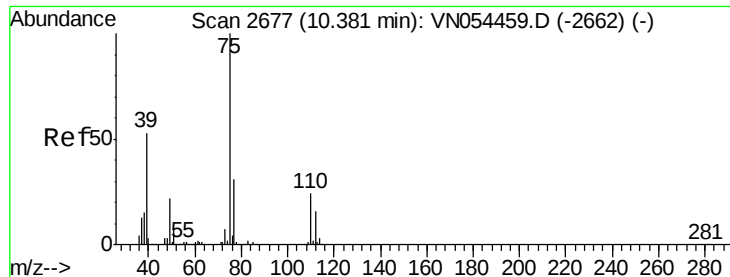
Tot Ion:130 Resp: 10261
 Ion Ratio Lower Upper
 130 100
 95 94.3 0.0 185.2



#50
 Toluene-d8
 Concen: 50.293 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN054651.D
 Acq: 24 Mar 2019 16:34

Tgt Ion: 98 Resp: 1082285
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.2 76.8





#53

t-1,3-Dichloropropene

Concen: 2.235 ug/l

RT: 10.11 min Scan# 2592

Delta R.T. -0.27 min

Lab File: VN054651.D

Acq: 24 Mar 2019 16:34

Instrument :

MSVOA_N

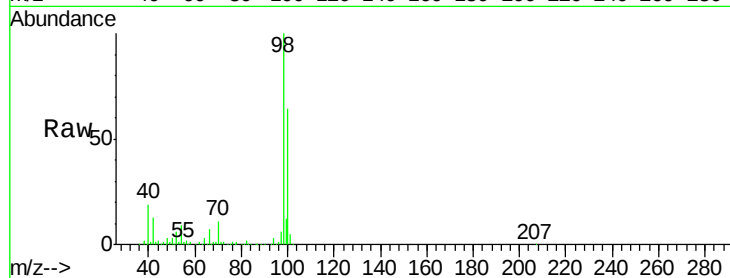
ClientSampleId :

Tot Ion: 75 Resp: 29

Ion Ratio Lower Upper

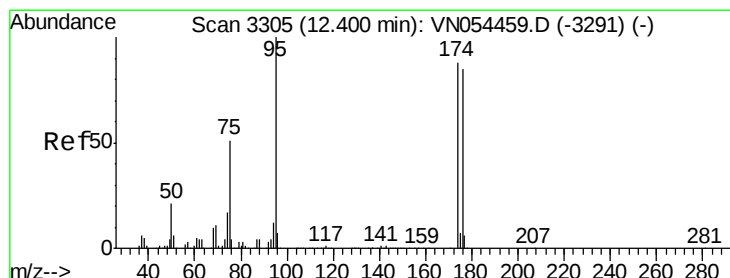
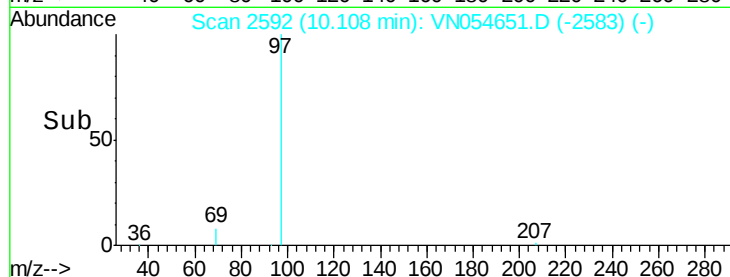
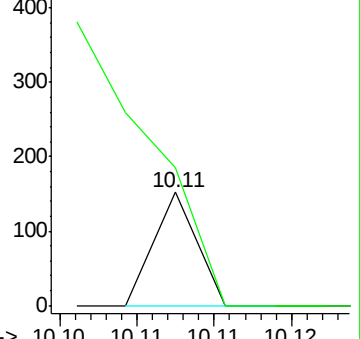
75 100

77 122.4 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#62

4-Bromofluorobenzene

Concen: 47.594 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054651.D

Acq: 24 Mar 2019 16:34

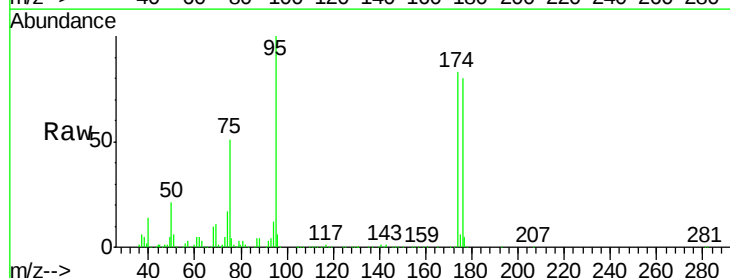
Tgt Ion: 95 Resp: 348525

Ion Ratio Lower Upper

95 100

174 83.4 0.0 191.0

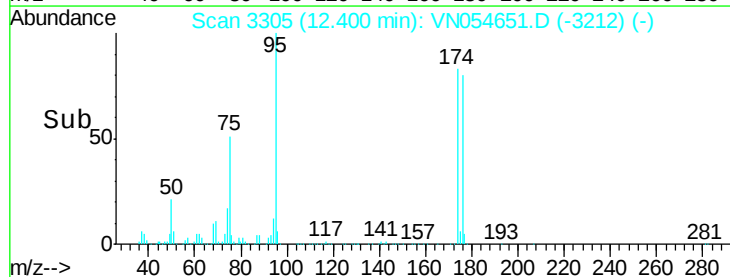
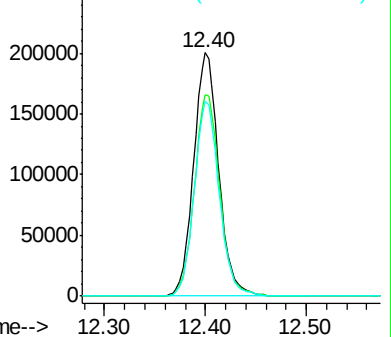
176 79.7 0.0 187.4

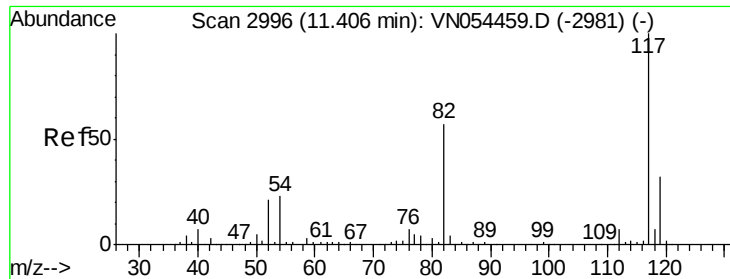


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

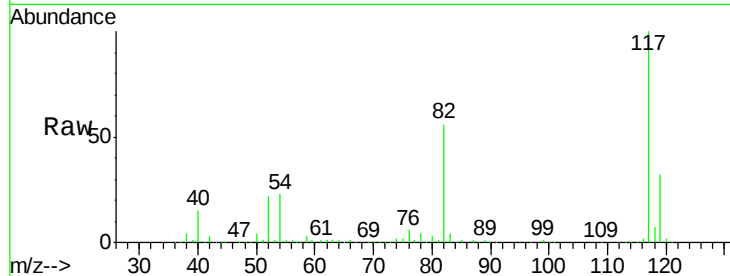




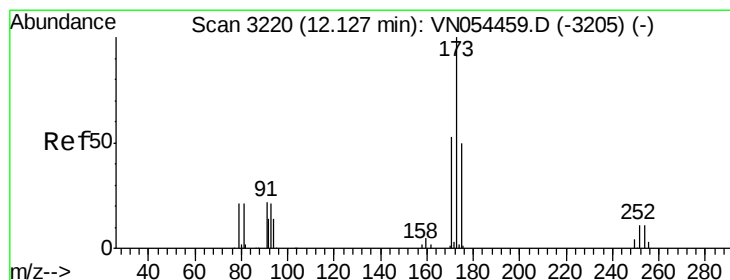
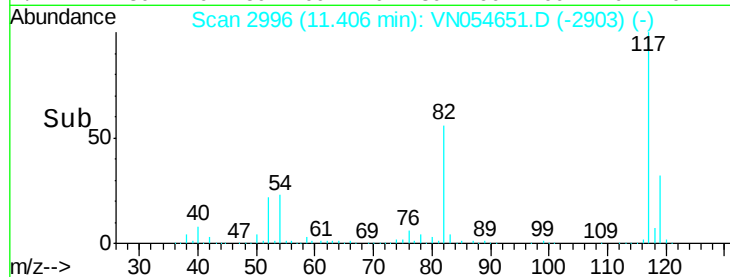
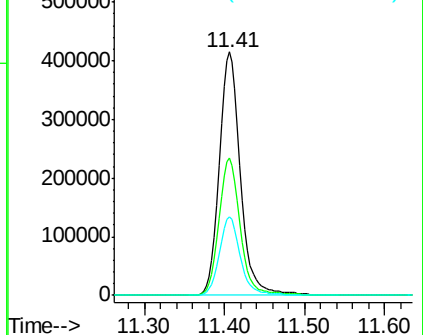
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 760671
Ion Ratio Lower Upper
117 100
82 56.4 40.0 60.0
119 32.5 25.8 38.6

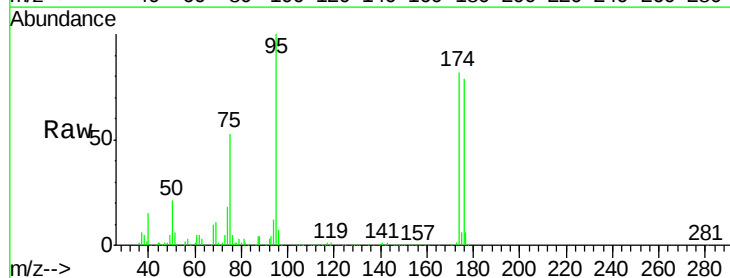


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

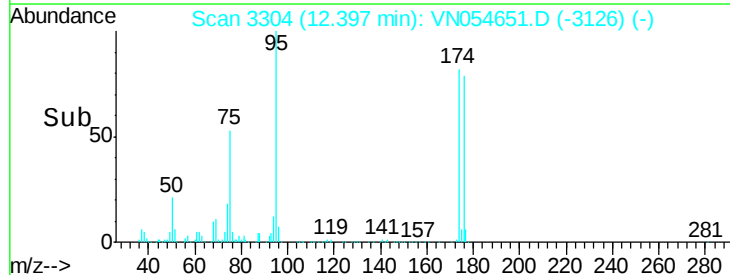
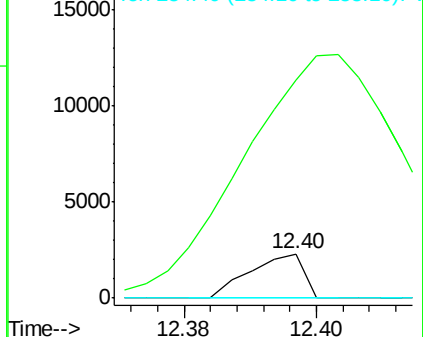


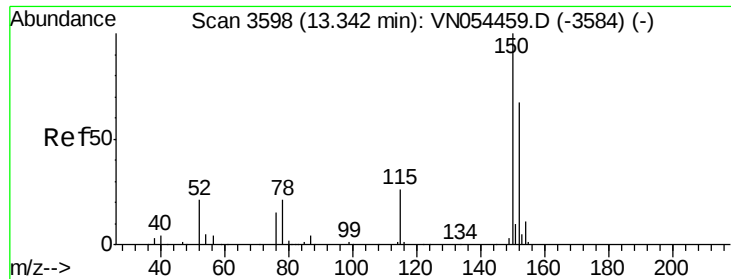
#71
Bromoform
Concen: 2.542 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

Tgt Ion:173 Resp: 1288
Ion Ratio Lower Upper
173 100
175 1485.4 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



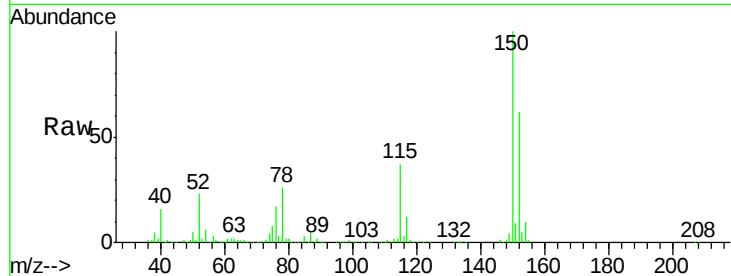


#72

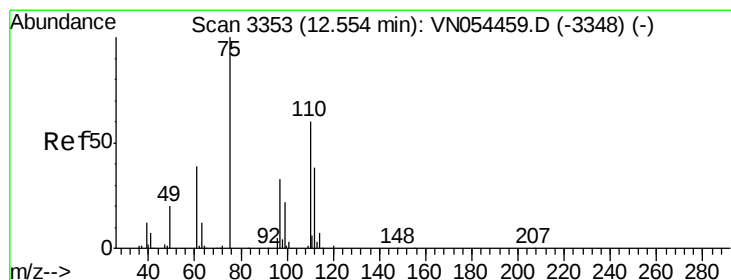
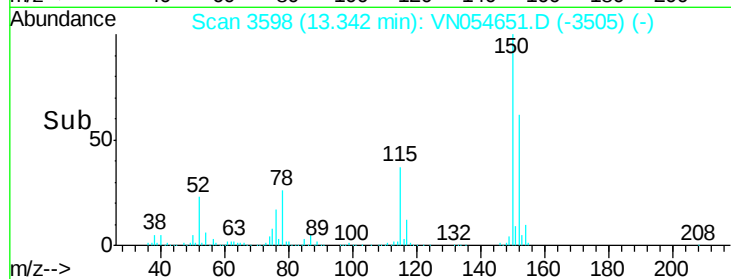
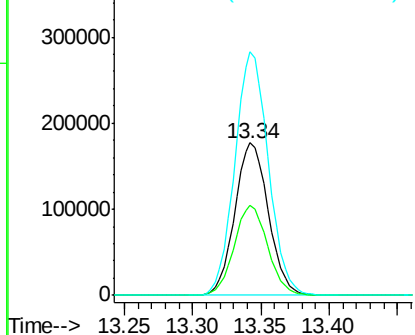
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 302268
Ion Ratio Lower Upper
152 100
115 59.0 27.2 81.6
150 159.6 0.0 349.2



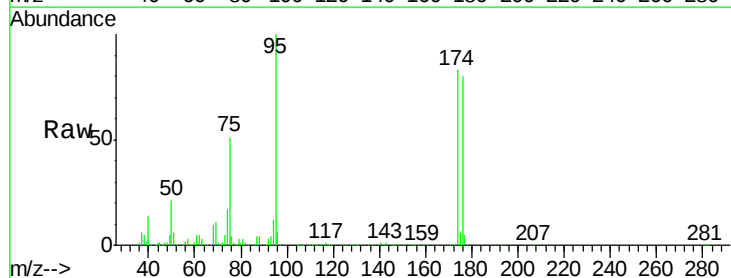
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



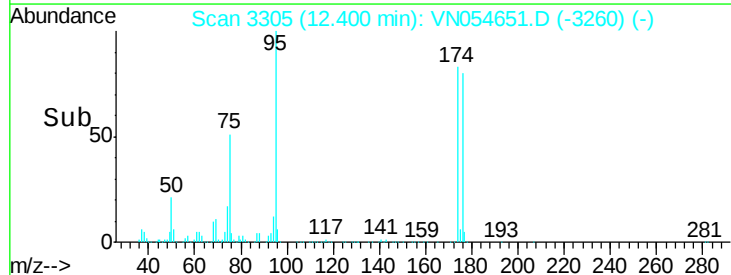
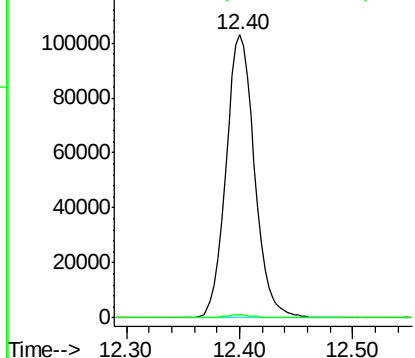
#76

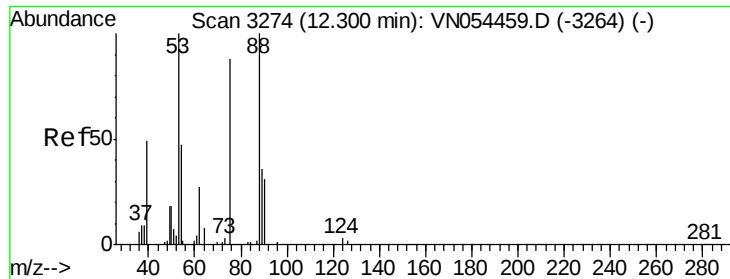
1,2,3-Trichloropropane
Concen: 37.610 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

Tgt Ion: 75 Resp: 180397
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



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

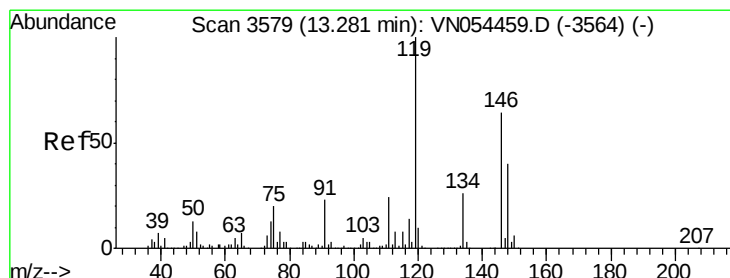
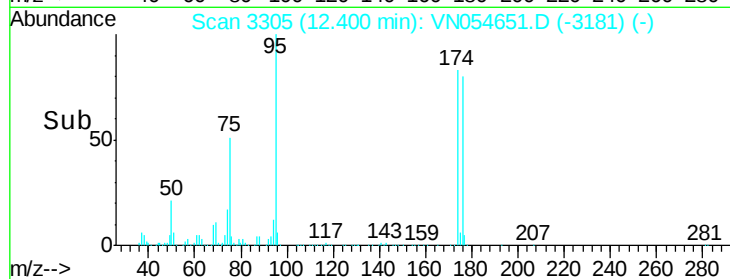
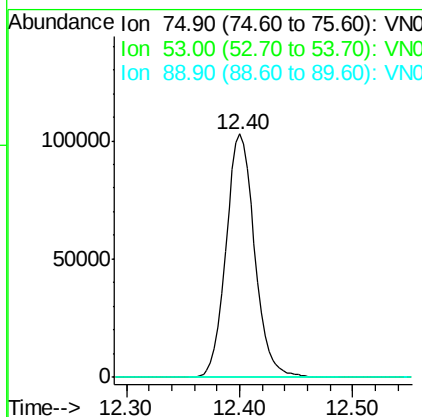
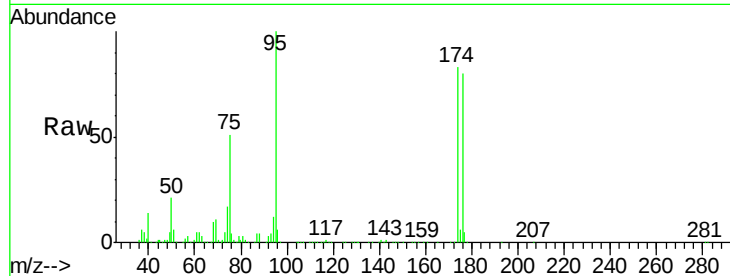




#81
trans-1,4-Dichloro-2-butene
Concen: 124.602 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

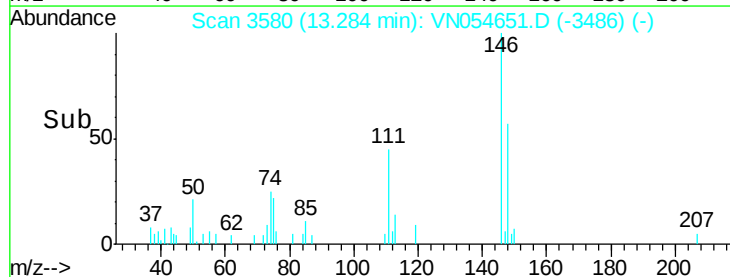
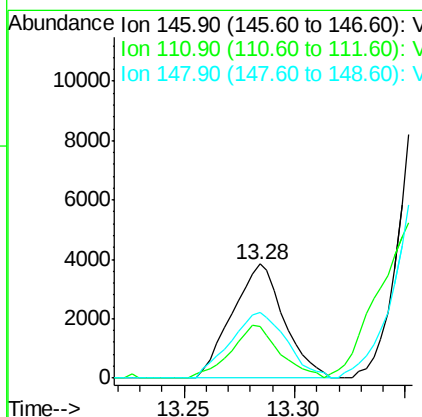
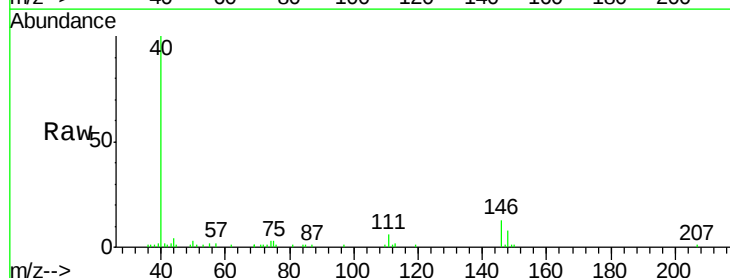
Instrument :
MSVOA_N
ClientSampled :

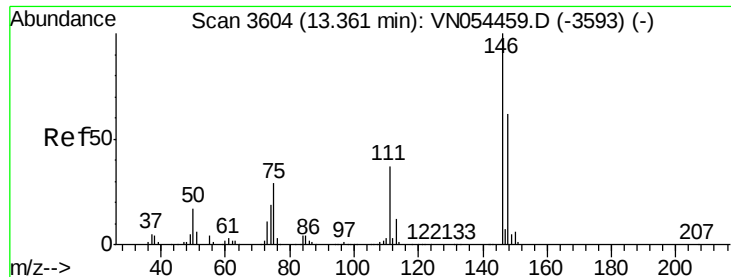
Tot Ion: 75 Resp: 180397
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.1 39.2 58.8#



#87
1,3-Dichlorobenzene
Concen: 0.625 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN054651.D
Acq: 24 Mar 2019 16:34

Tgt Ion:146 Resp: 6253
Ion Ratio Lower Upper
146 100
111 43.5 18.8 56.3
148 61.8 32.2 96.6

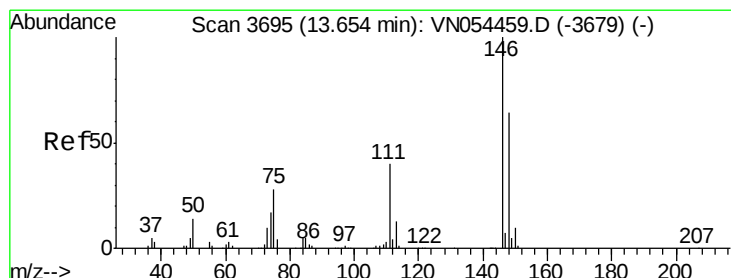
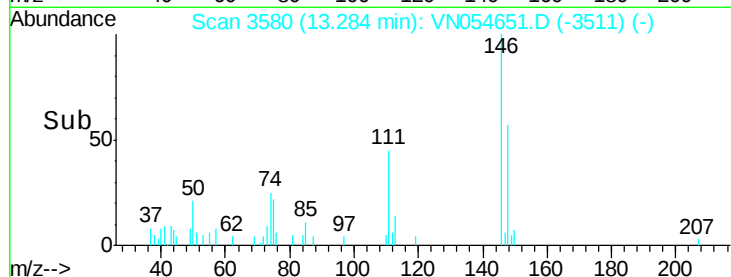
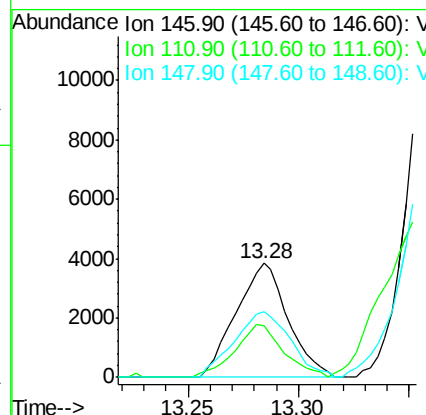
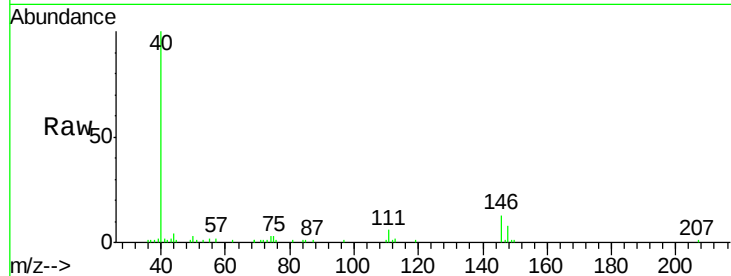




#88
 1,4-Dichlorobenzene
 Concen: 0.642 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN054651.D
 Acq: 24 Mar 2019 16:34

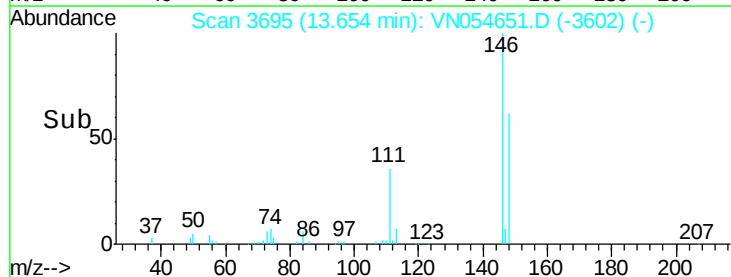
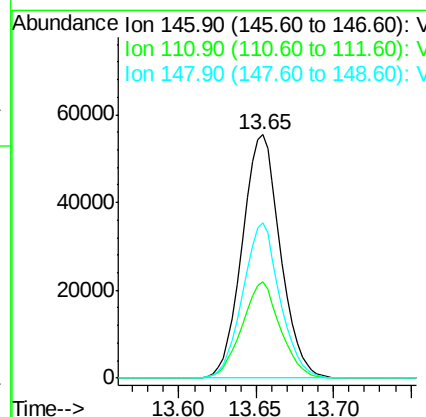
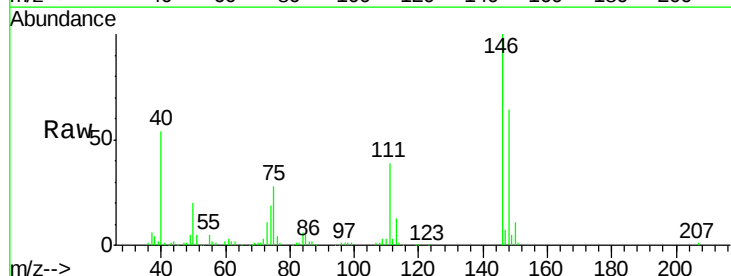
Instrument :
 MSVOA_N
 ClientSampled :

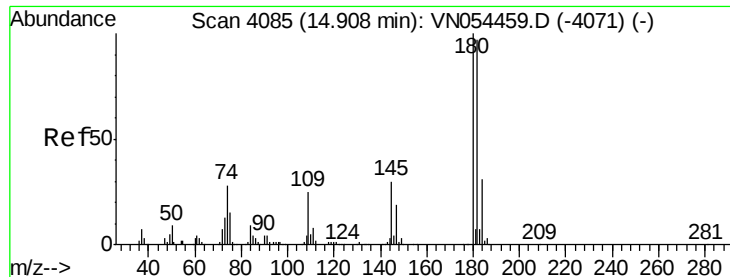
Tot Ion:146 Resp: 6253
 Ion Ratio Lower Upper
 146 100
 111 43.5 18.1 54.1
 148 61.8 32.0 96.0



#91
 1,2-Dichlorobenzene
 Concen: 9.794 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054651.D
 Acq: 24 Mar 2019 16:34

Tgt Ion:146 Resp: 94969
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.1 57.3
 148 62.0 32.4 97.0

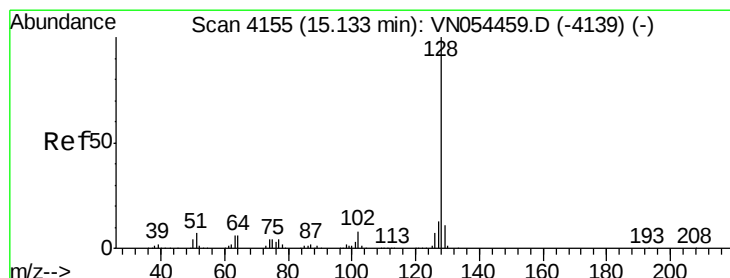
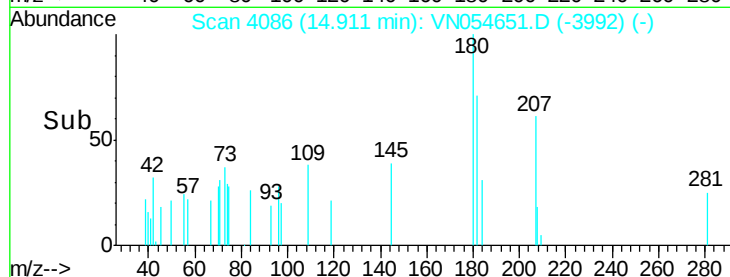
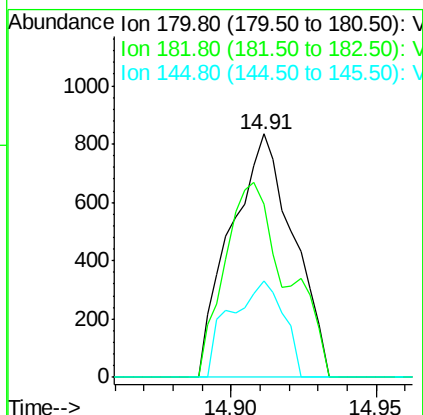
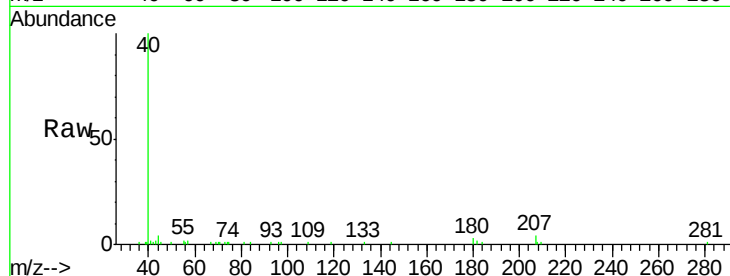




#93
 1,2,4-Trichlorobenzene
 Concen: 0.259 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054651.D
 Acq: 24 Mar 2019 16:34

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1253
 Ion Ratio Lower Upper
 180 100
 182 79.2 48.0 144.2
 145 33.8 14.2 42.8



#95
 Naphthalene
 Concen: 0.201 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN054651.D
 Acq: 24 Mar 2019 16:34

Tgt Ion:128 Resp: 2164
 Ion Ratio Lower Upper
 128 100
 127 7.0 10.1 15.1#
 129 3.0 8.7 13.1#

