

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032619\
 Data File : VN054687.D
 Acq On : 26 Mar 2019 10:09
 Operator : JC/SP
 Sample : VN0326WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

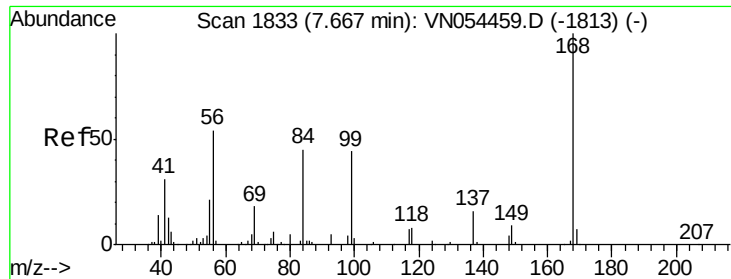
Quant Time: Mar 27 04:04:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	521942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	846572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	714098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	258302	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	347678	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	7.59	113	267216	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	10.09	98	1016745	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	311700	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	345	0.636	ug/l #	14
18) Methyl Acetate	4.33	43	1244	0.286	ug/l #	60
31) Cyclohexane	7.66	56	11779	Below Cal	#	43
36) 1,1-Dichloropropene	7.66	75	41606	5.256	ug/l #	48
38) Carbon Tetrachloride	7.66	117	52089	6.772	ug/l #	17
53) t-1,3-Dichloropropene	10.09	75	182	2.254	ug/l #	52
71) Bromoform	12.38	173	141	2.258	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	164297	40.084	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	164297	132.589	ug/l #	11
94) Hexachlorobutadiene	15.01	225	457	Below Cal		84
95) Naphthalene	15.14	128	2092	0.227	ug/l #	86

(#) = 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: VN054687.D

Acq: 26 Mar 2019 10:09

Instrument :

MSVOA_N

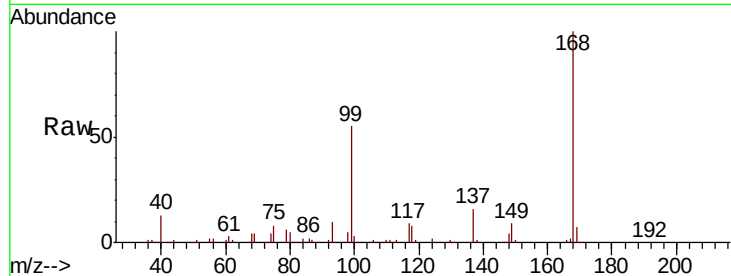
ClientSampled :

Tot Ion:168 Resp: 521942

Ion Ratio Lower Upper

168 100

99 54.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054459.D

Ion 98.90 (98.60 to 99.60): VN054459.D

7.66

250000

200000

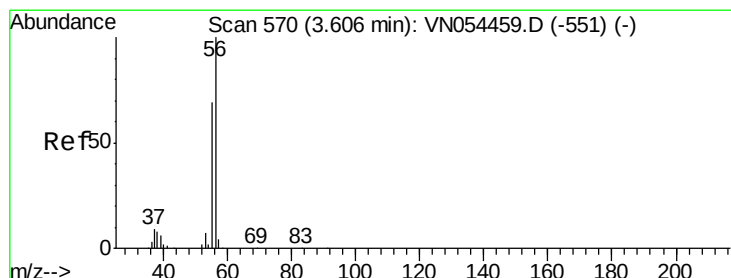
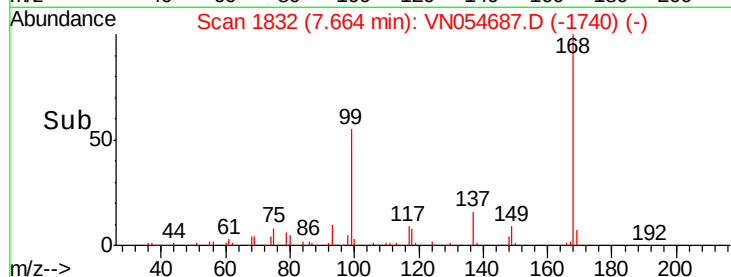
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.636 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054687.D

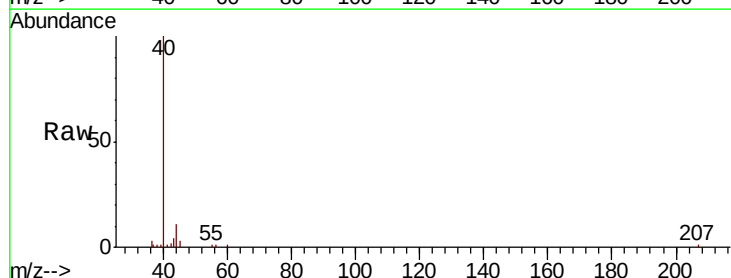
Acq: 26 Mar 2019 10:09

Tgt Ion: 56 Resp: 345

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN054459.D

Ion 55.00 (54.70 to 55.70): VN054459.D

3.61

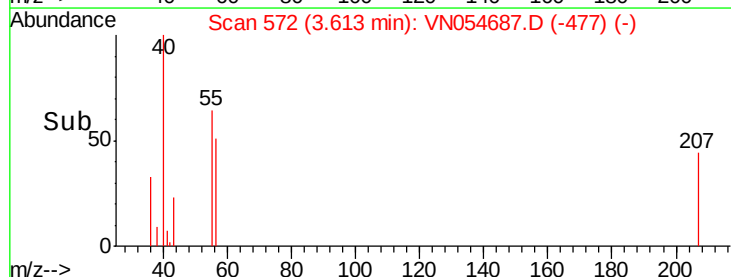
300

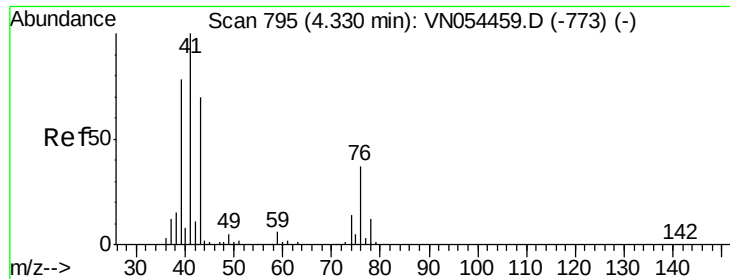
200

100

0

Time-->

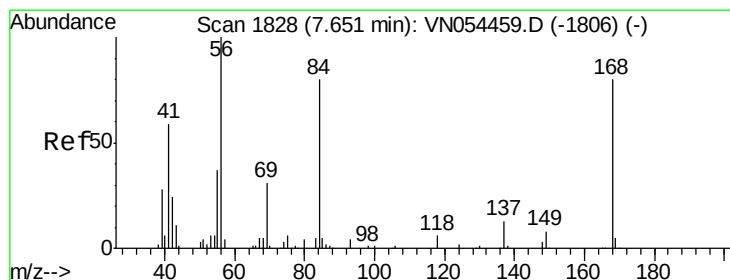
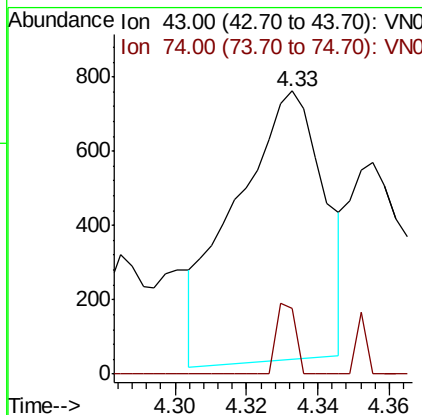
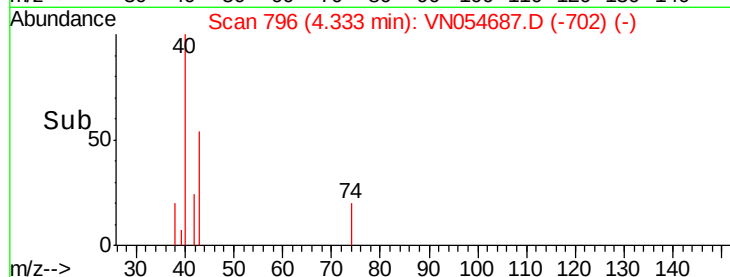
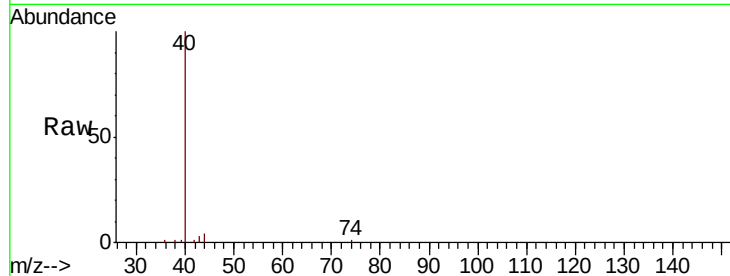




#18
Methyl Acetate
Concen: 0.286 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054687.D
Acq: 26 Mar 2019 10:09

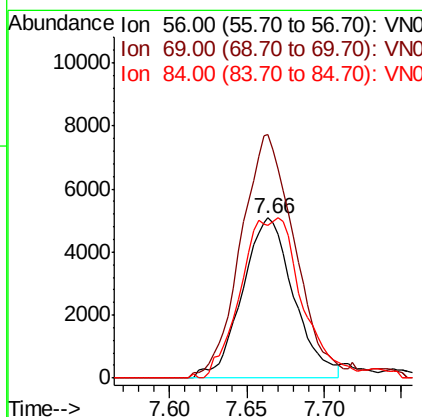
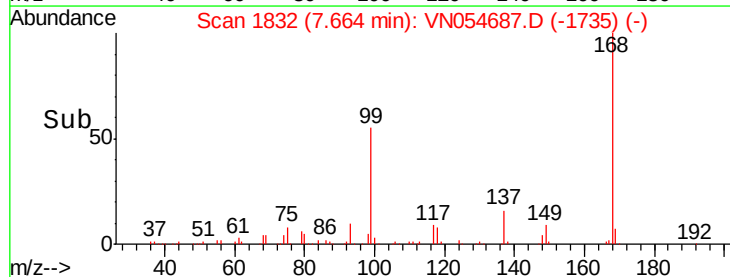
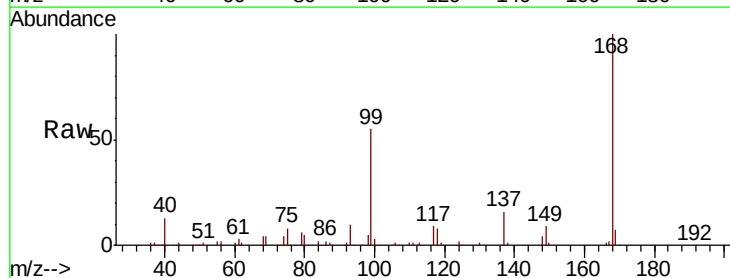
Instrument :
MSVOA_N
ClientSampled :

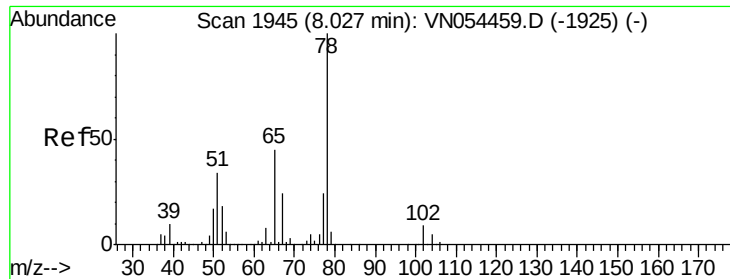
Tot Ion: 43 Resp: 1244
Ion Ratio Lower Upper
43 100
74 5.6 20.8 31.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054687.D
Acq: 26 Mar 2019 10:09

Tgt Ion: 56 Resp: 11779
Ion Ratio Lower Upper
56 100
69 152.1 27.8 41.6#
84 95.6 74.6 111.8

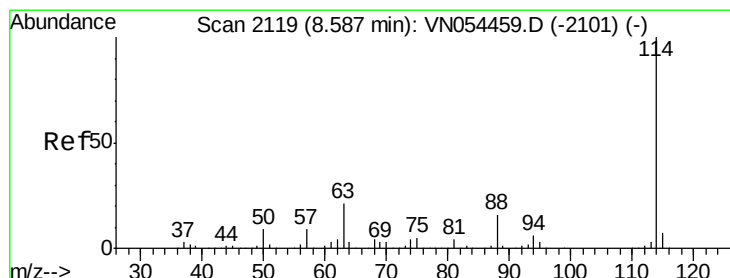
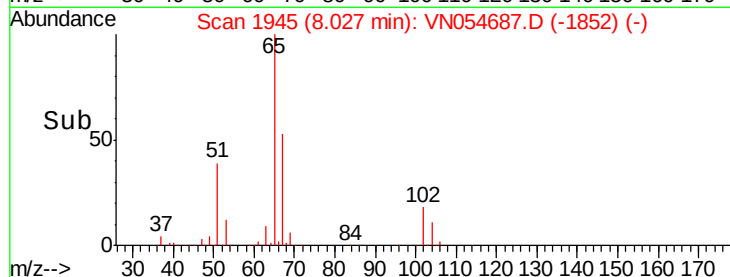
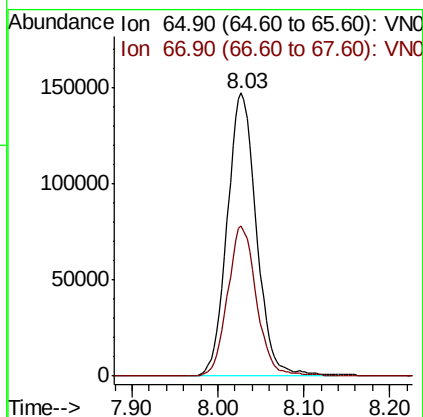
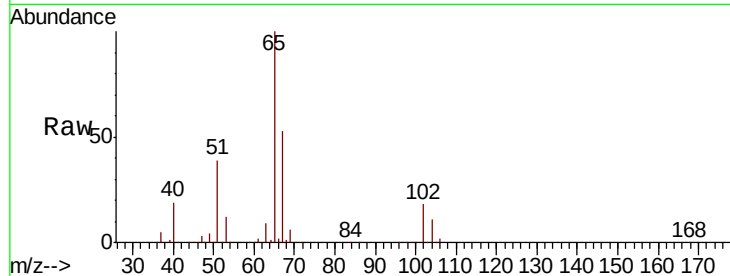




#33
 1,2-Dichloroethane-d4
 Concen: 53.554 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054687.D
 Acq: 26 Mar 2019 10:09

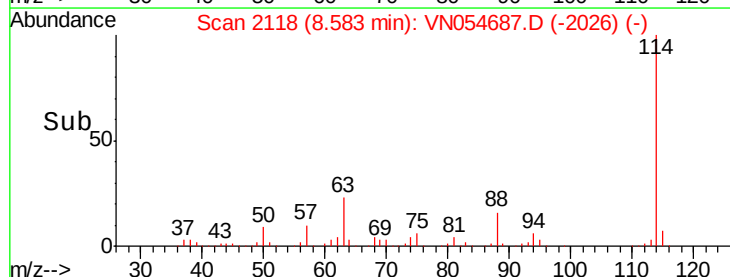
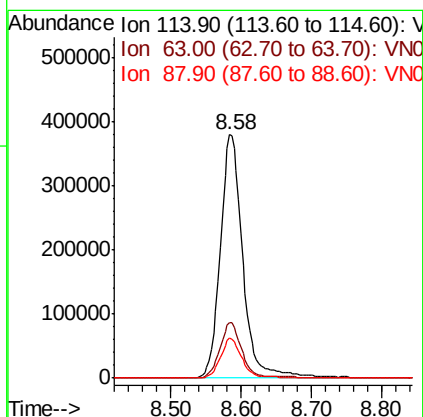
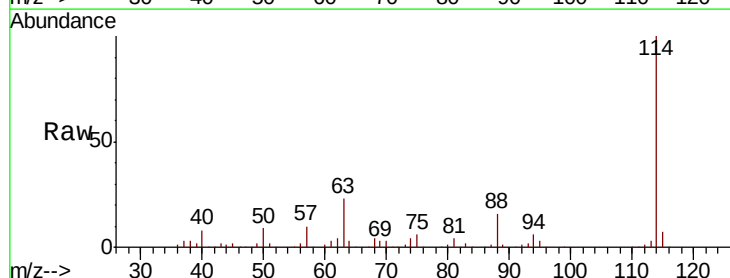
Instrument :
 MSVOA_N
 ClientSampleId :

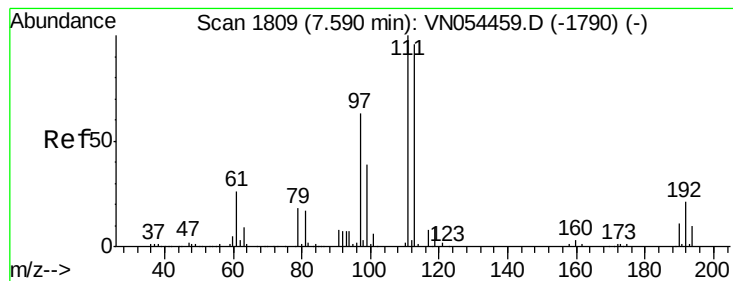
Tot Ion: 65 Resp: 347678
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054687.D
 Acq: 26 Mar 2019 10:09

Tgt Ion: 114 Resp: 846572
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 35.2
 88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.994 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054687.D

Acq: 26 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

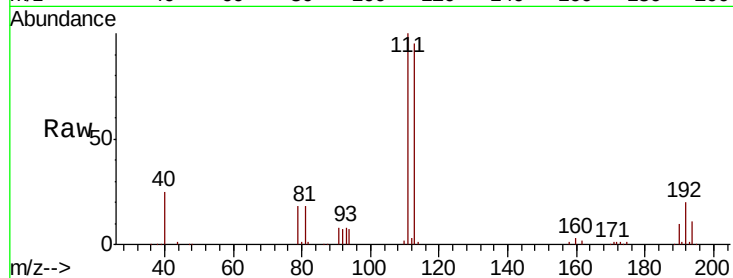
Tot Ion:113 Resp: 267216

Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.4

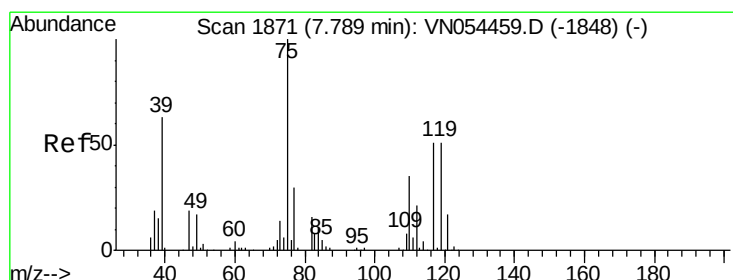
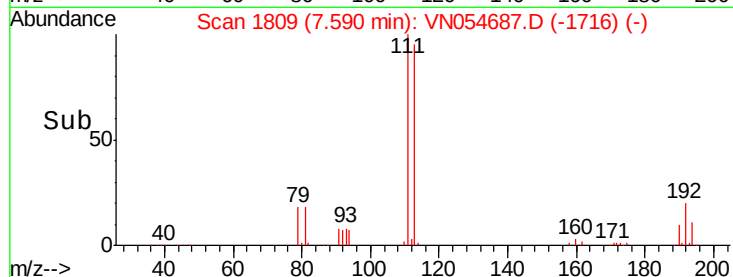
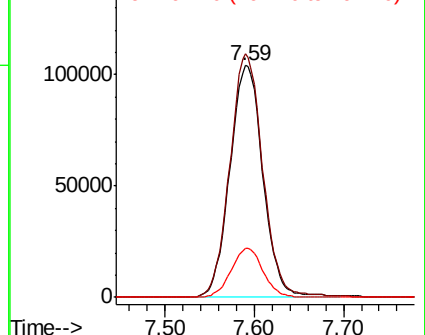
192 20.6 19.2 28.8



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: 5.256 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN054687.D

Acq: 26 Mar 2019 10:09

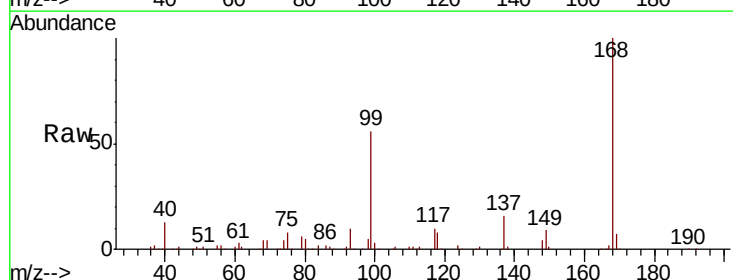
Tgt Ion: 75 Resp: 41606

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.5#

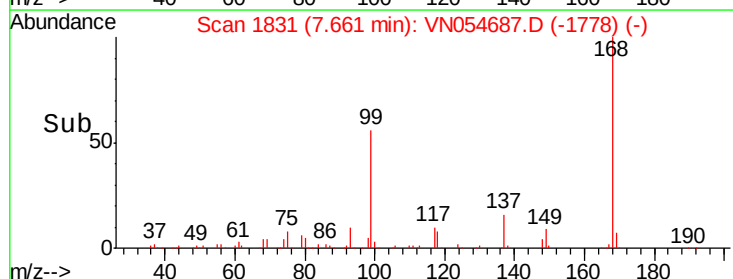
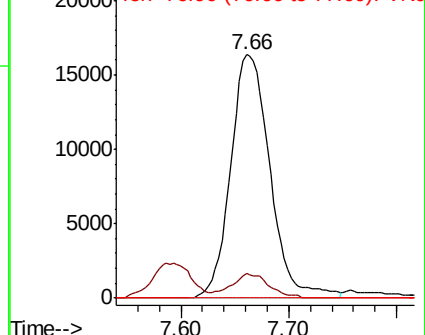
77 0.0 25.0 37.4#

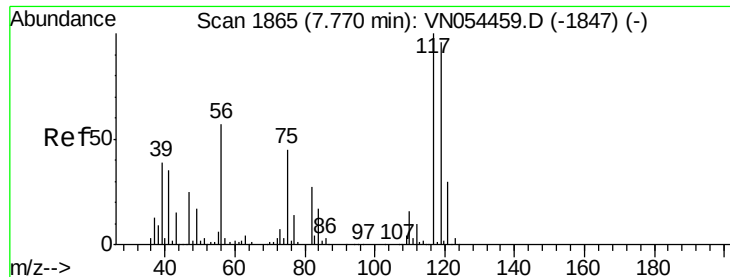


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.772 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054687.D

Acq: 26 Mar 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

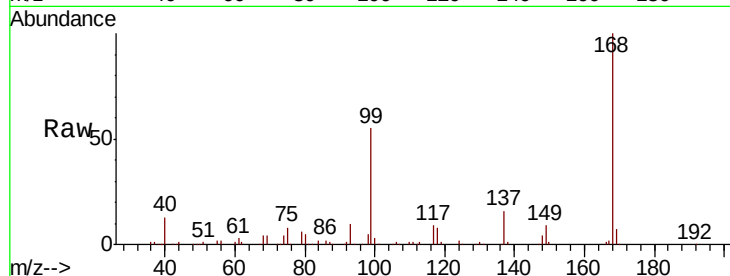
Tot Ion:117 Resp: 52089

Ion Ratio Lower Upper

117 100

119 5.8 76.3 114.5#

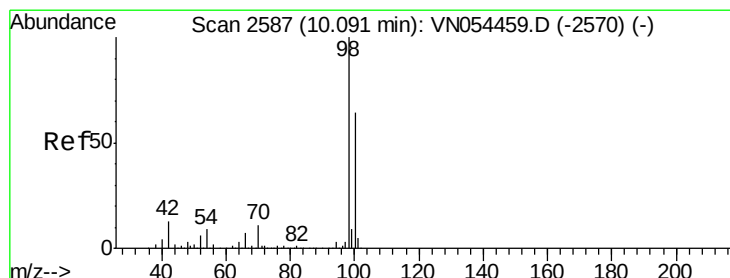
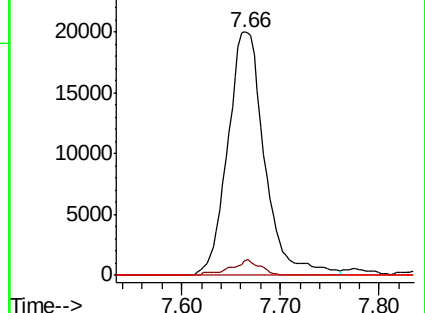
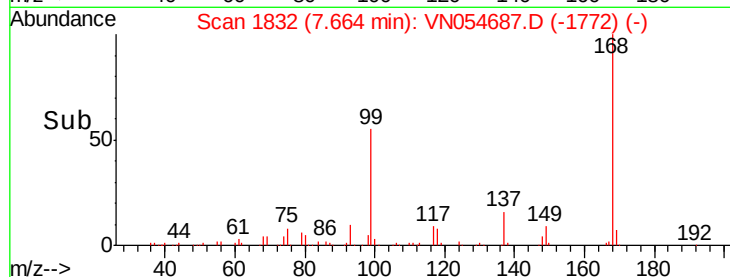
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.588 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054687.D

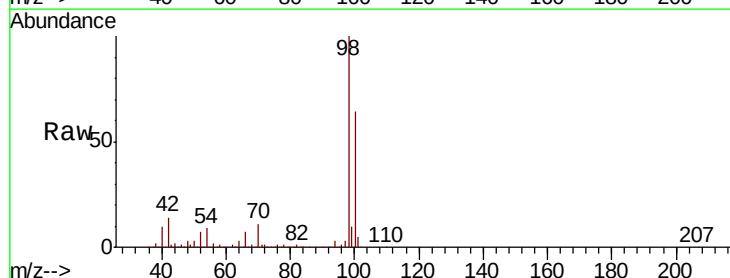
Acq: 26 Mar 2019 10:09

Tgt Ion: 98 Resp: 1016745

Ion Ratio Lower Upper

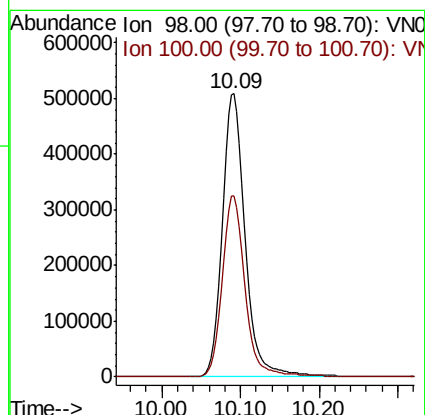
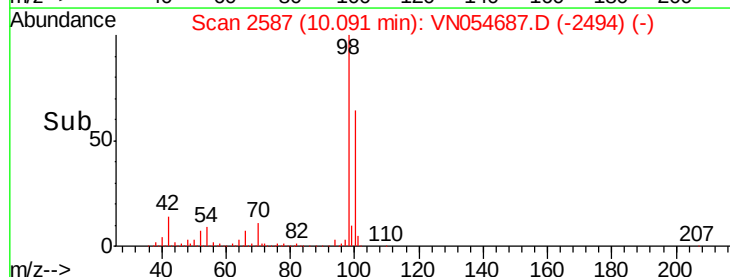
98 100

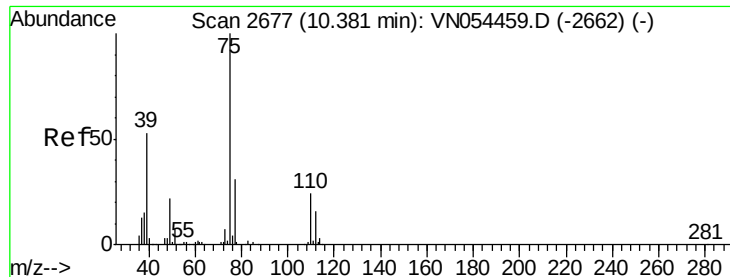
100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#53

t-1,3-Dichloropropene

Concen: 2.254 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.29 min

Lab File: VN054687.D

Acq: 26 Mar 2019 10:09

Instrument :

MSVOA_N

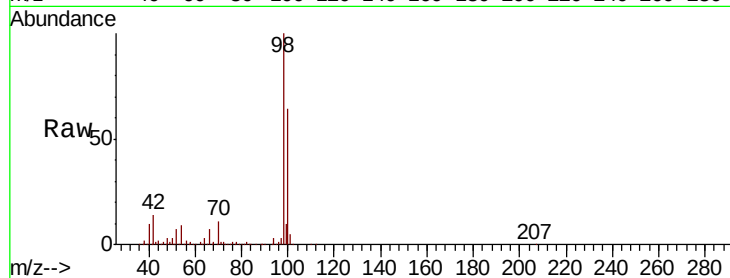
ClientSampled :

Tot Ion: 75 Resp: 182

Ion Ratio Lower Upper

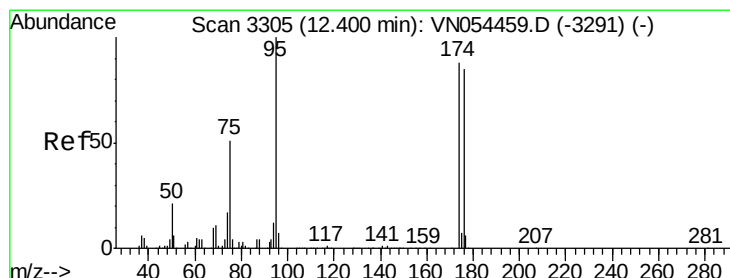
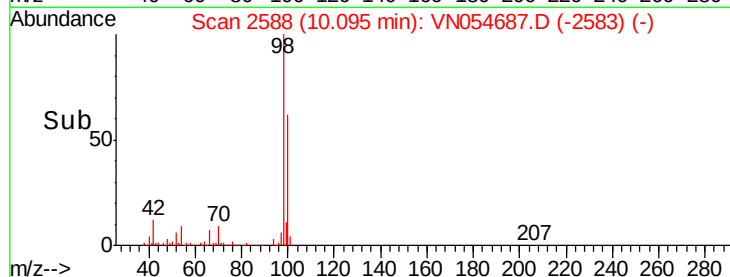
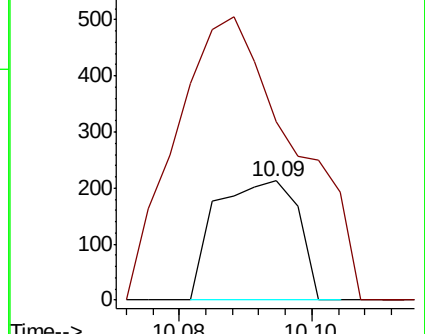
75 100

77 59.2 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: 44.675 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054687.D

Acq: 26 Mar 2019 10:09

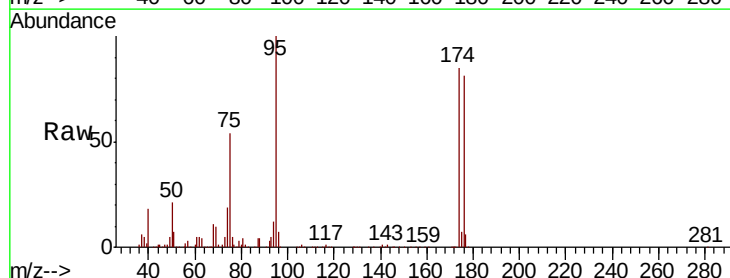
Tgt Ion: 95 Resp: 311700

Ion Ratio Lower Upper

95 100

174 84.9 0.0 191.0

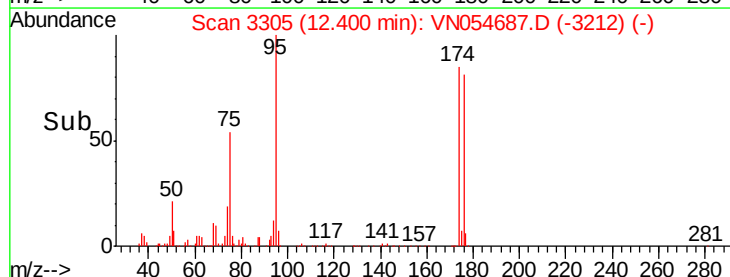
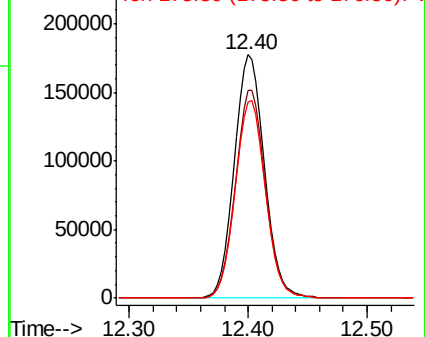
176 81.1 0.0 187.4

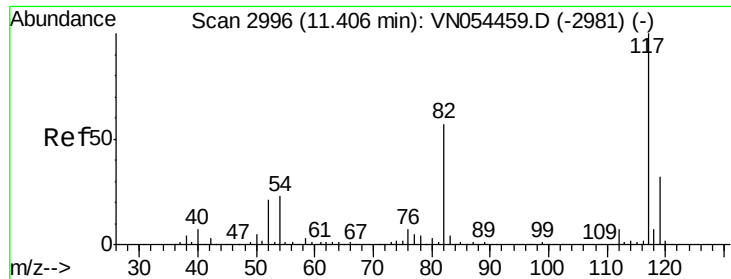


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

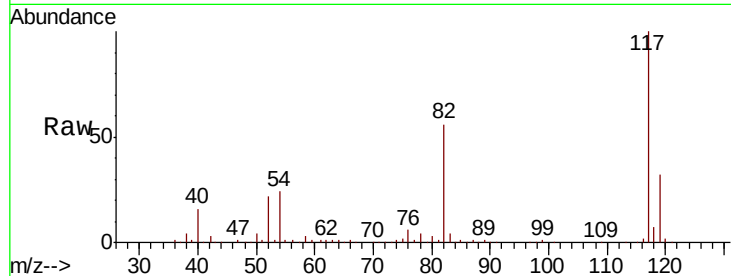




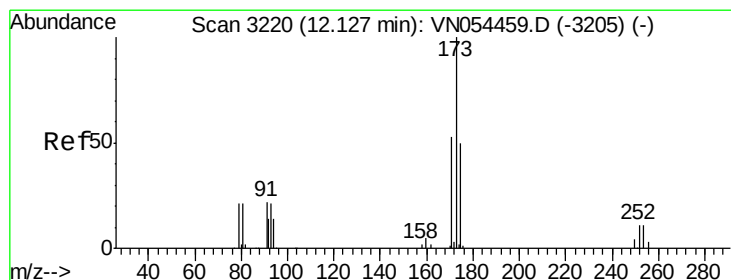
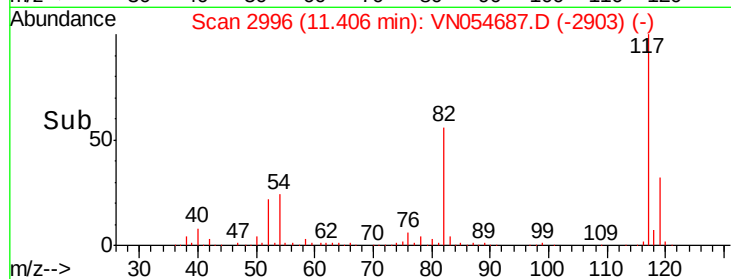
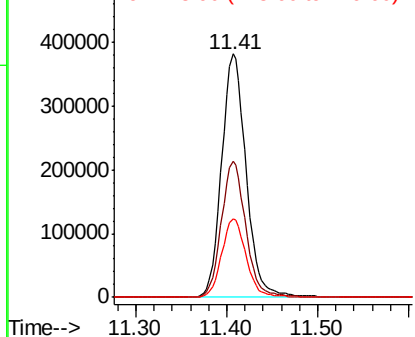
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054687.D
Acq: 26 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 714098
Ion Ratio Lower Upper
117 100
82 56.0 40.0 60.0
119 32.4 25.8 38.6

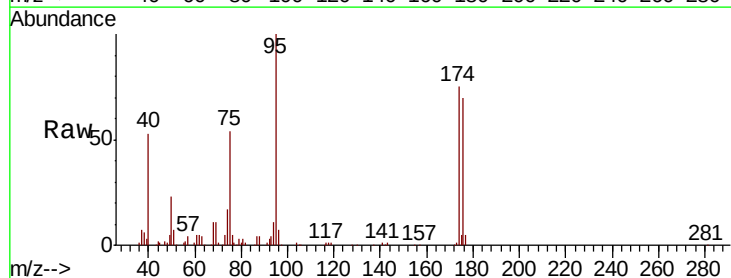


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

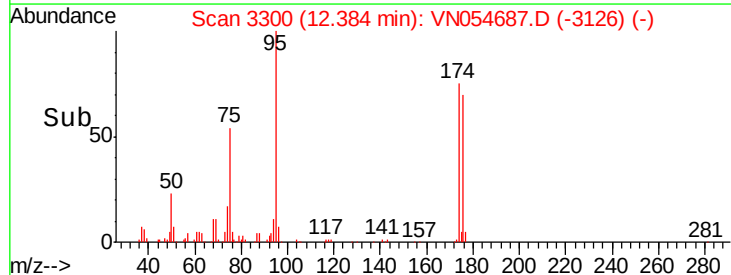
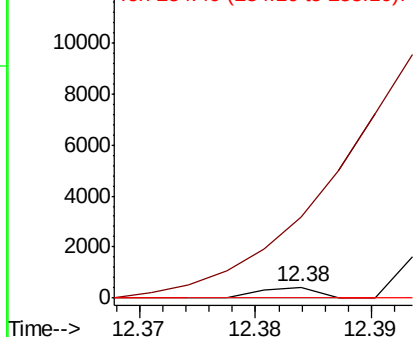


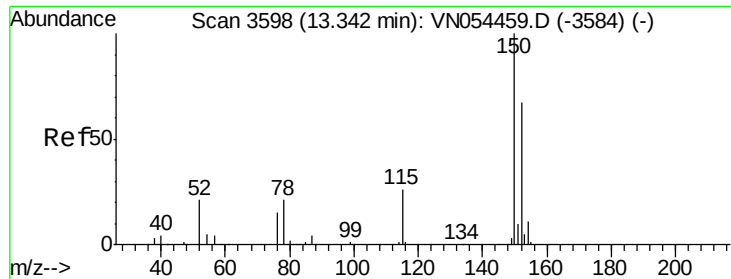
#71
Bromoform
Concen: 2.258 ug/l
RT: 12.38 min Scan# 3300
Delta R.T. 0.26 min
Lab File: VN054687.D
Acq: 26 Mar 2019 10:09

Tgt Ion:173 Resp: 141
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



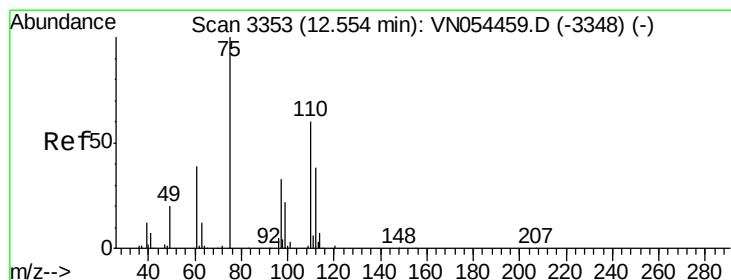
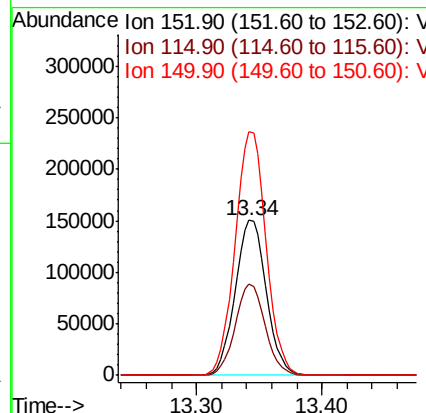
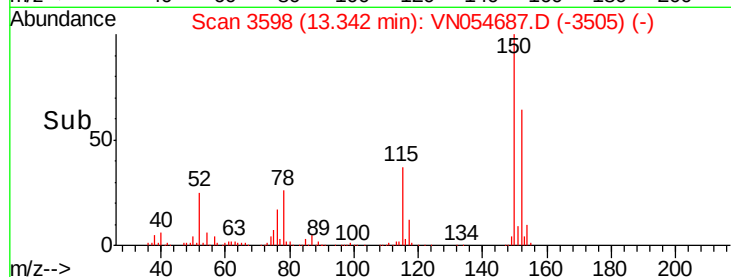
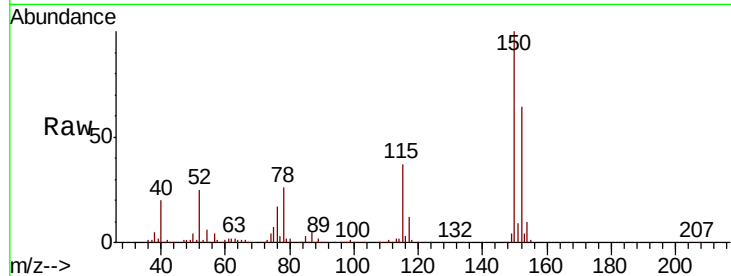


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054687.D
Acq: 26 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampled :

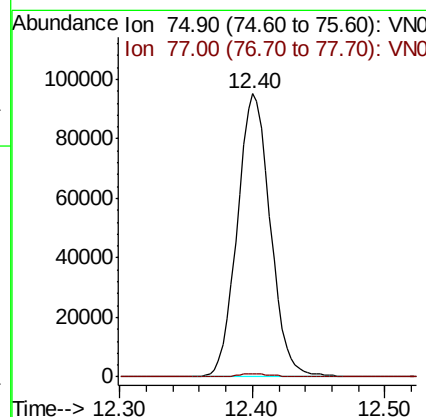
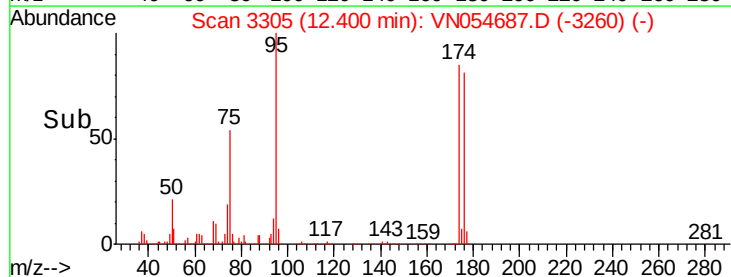
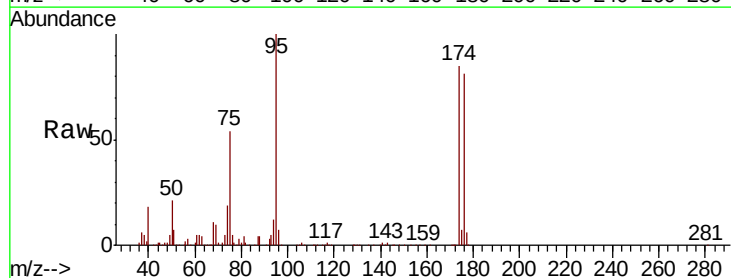
Tot Ion:152 Resp: 258302
Ion Ratio Lower Upper
152 100
115 56.8 27.2 81.6
150 156.2 0.0 349.2

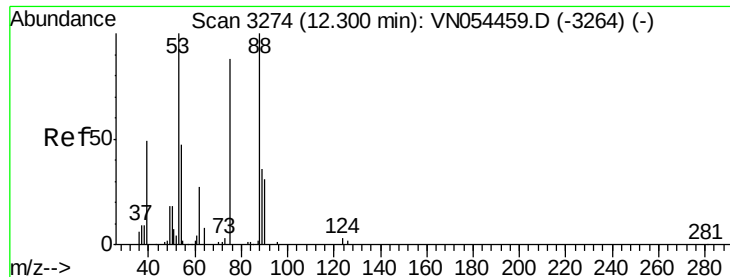


#76

1,2,3-Trichloropropane
Concen: 40.084 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN054687.D
Acq: 26 Mar 2019 10:09

Tgt Ion: 75 Resp: 164297
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

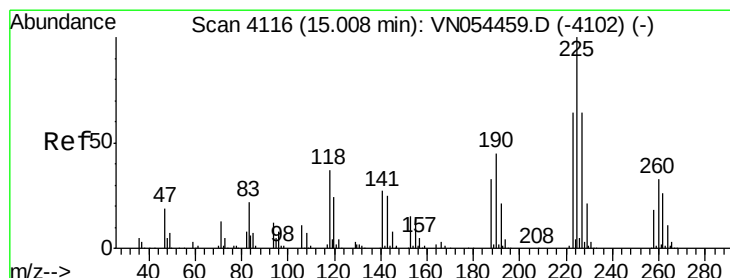
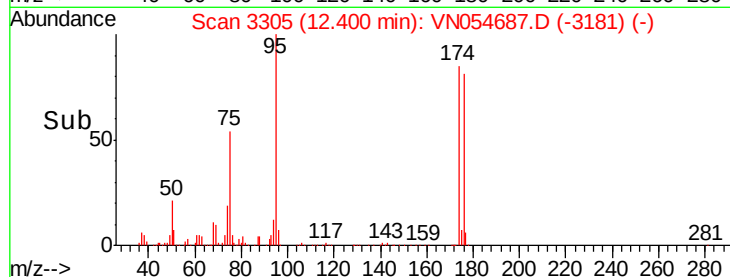
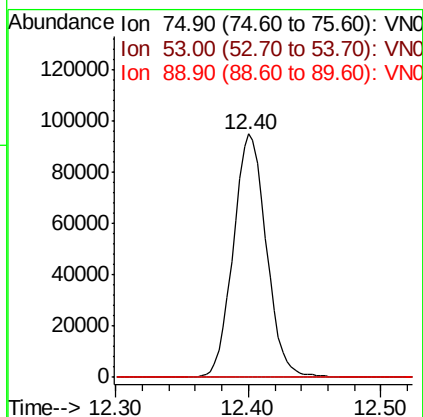
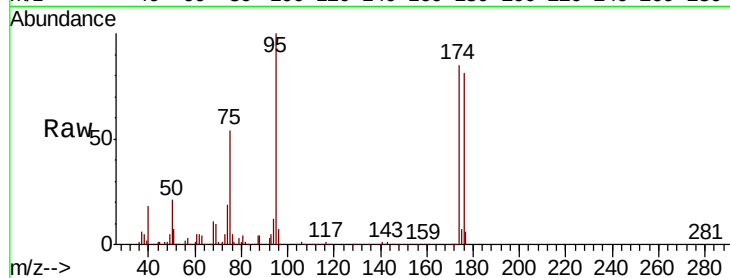




#81
trans-1,4-Dichloro-2-butene
Concen: 132.589 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054687.D
Acq: 26 Mar 2019 10:09

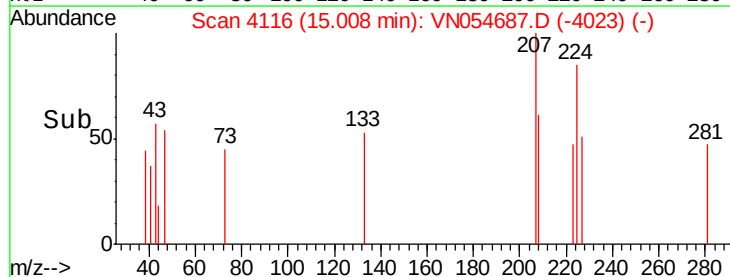
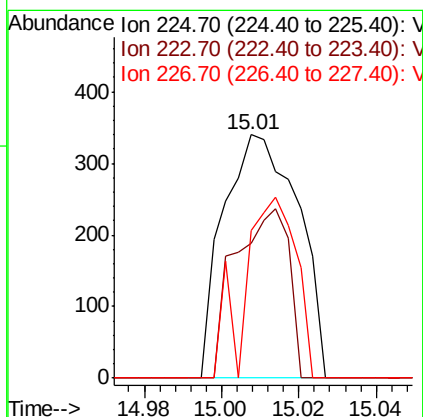
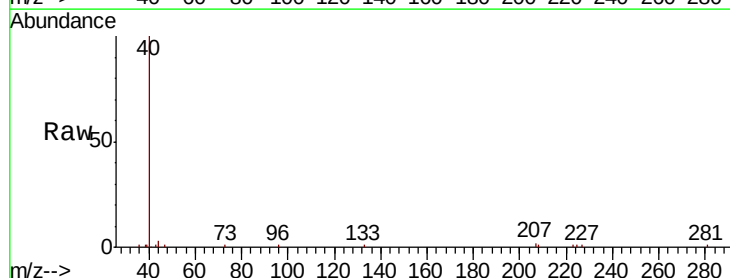
Instrument :
MSVOA_N
ClientSampled :

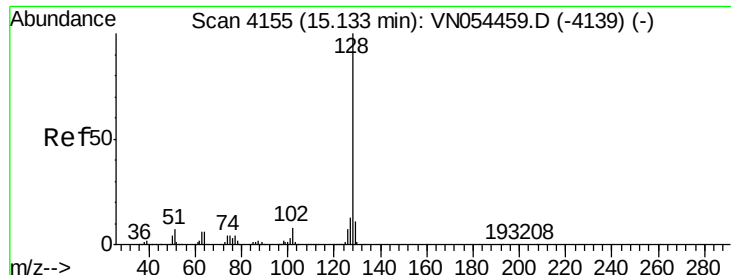
Tot Ion: 75 Resp: 164297
Ion Ratio Lower Upper
75 100
53 0.1 76.2 114.2#
89 0.0 39.2 58.8#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN054687.D
Acq: 26 Mar 2019 10:09

Tgt Ion: 225 Resp: 457
Ion Ratio Lower Upper
225 100
223 50.1 31.1 93.5
227 51.6 31.9 95.9

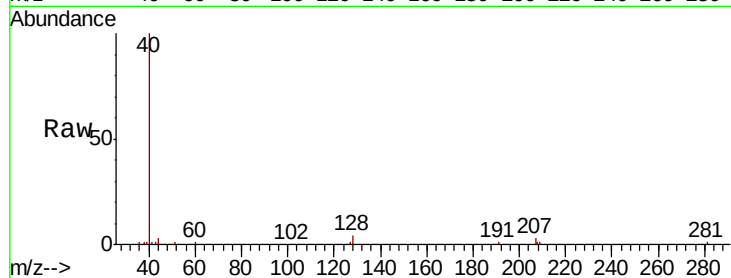




#95
Naphthalene
Concen: 0.227 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN054687.D
Acq: 26 Mar 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.1	15.1
129	0.0	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

