

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032619\
 Data File : VN054704.D
 Acq On : 26 Mar 2019 18:41
 Operator : JC/SP
 Sample : K2106-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

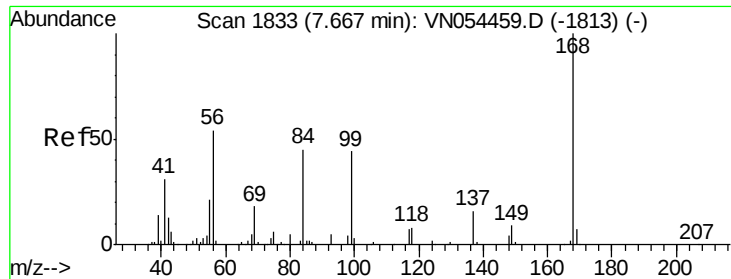
Quant Time: Mar 27 04:09:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	555411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	892844	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	739358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	254247	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	377313	54.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.24%	
35) Dibromofluoromethane	7.59	113	288405	50.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.28%	
50) Toluene-d8	10.09	98	1058524	48.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.40	95	315694	42.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	278	0.482	ug/l #	24
16) Acetone	3.83	43	7289	3.509	ug/l	95
18) Methyl Acetate	4.33	43	1142	0.247	ug/l	99
25) 2-Butanone	6.86	43	642	0.241	ug/l #	46
31) Cyclohexane	7.66	56	11523	Below Cal	#	5
36) 1,1-Dichloropropene	7.66	75	43158	5.170	ug/l #	44
38) Carbon Tetrachloride	7.67	117	51365	6.332	ug/l #	16
43) Isopropyl Acetate	8.25	43	7391	0.737	ug/l #	60
71) Bromoform	12.39	173	205	2.273	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	165604	41.047	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	165604	135.699	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

Lab File: VN054704.D

Acq: 26 Mar 2019 18:41

Instrument :

MSVOA_N

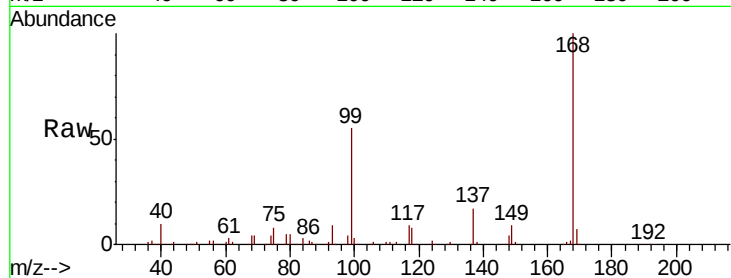
ClientSampleId :

Tot Ion:168 Resp: 555411

Ion Ratio Lower Upper

168 100

99 54.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054704.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054704.D (-1740) (-)

7.67

250000

200000

150000

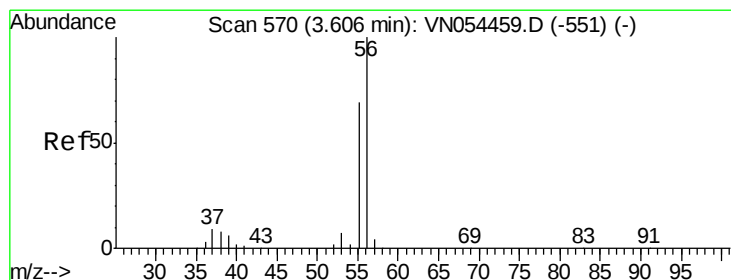
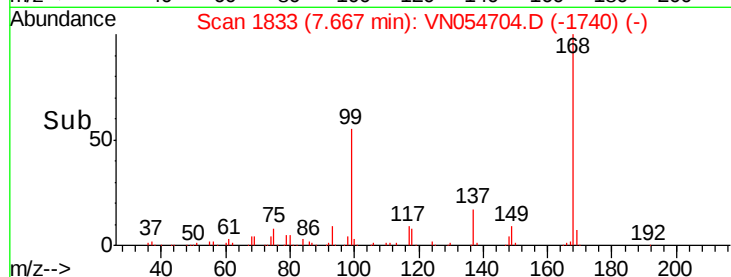
100000

50000

0

7.60 7.70 7.80

Time-->



#13

Acrolein

Concen: 0.482 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN054704.D

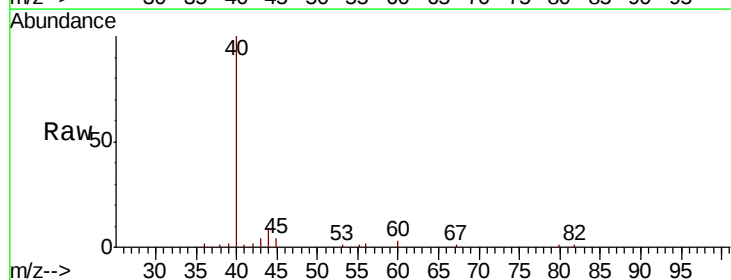
Acq: 26 Mar 2019 18:41

Tgt Ion: 56 Resp: 278

Ion Ratio Lower Upper

56 100

55 133.5 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN054704.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN054704.D (-477) (-)

3.62

300

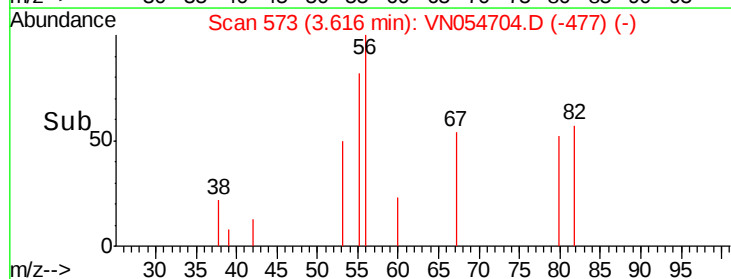
200

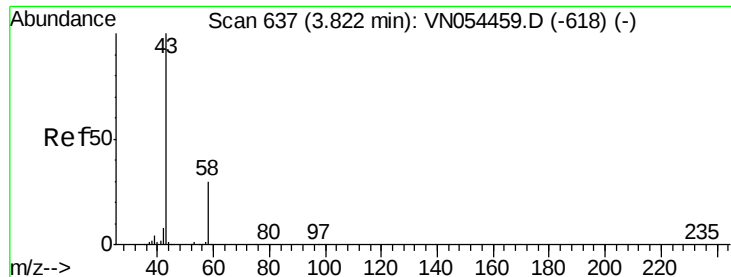
100

0

3.60 3.62

Time-->





#16

Acetone

Concen: 3.509 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN054704.D

Acq: 26 Mar 2019 18:41

Instrument :

MSVOA_N

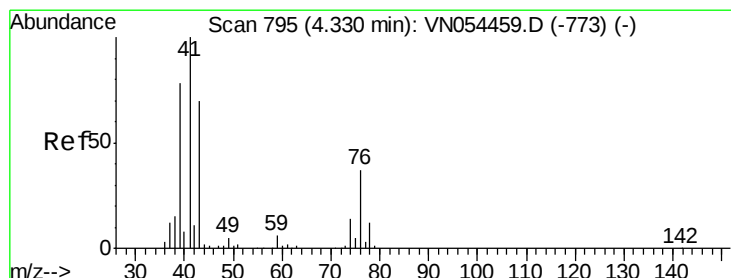
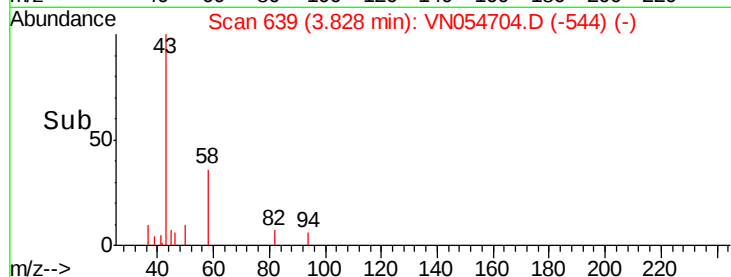
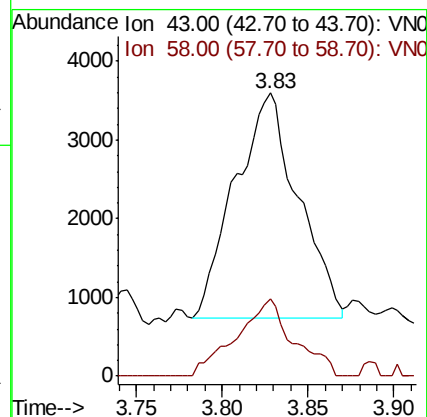
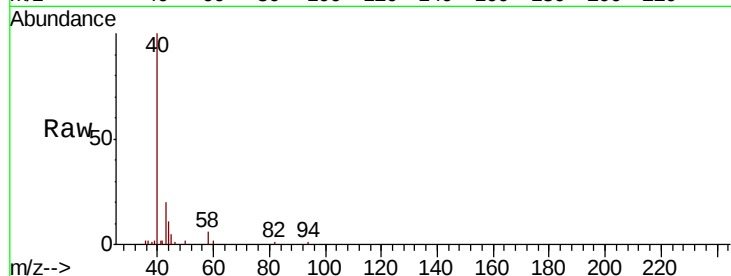
ClientSampleId :

Tot Ion: 43 Resp: 7289

Ion Ratio Lower Upper

43 100

58 34.3 29.9 44.9



#18

Methyl Acetate

Concen: 0.247 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054704.D

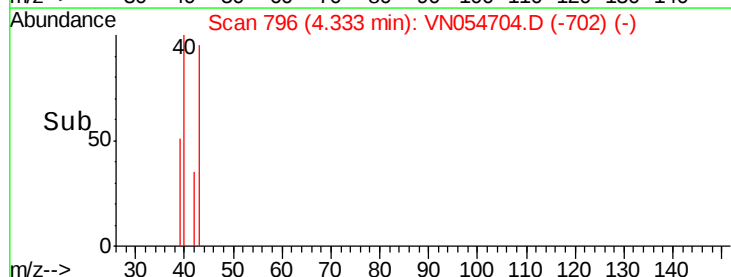
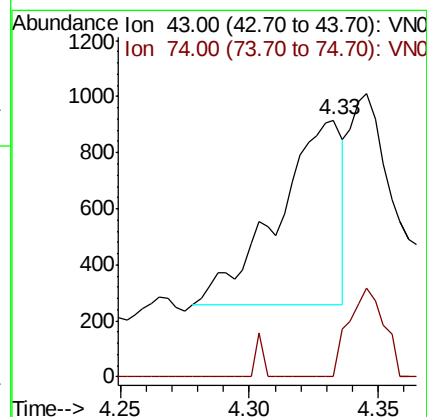
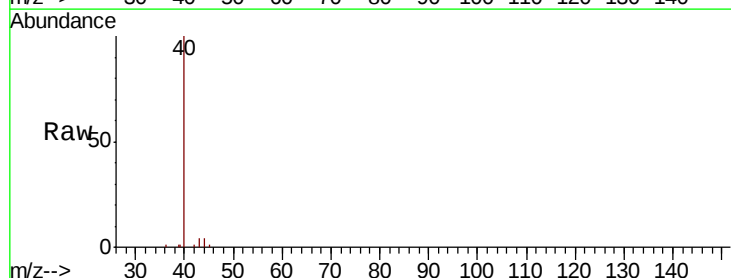
Acq: 26 Mar 2019 18:41

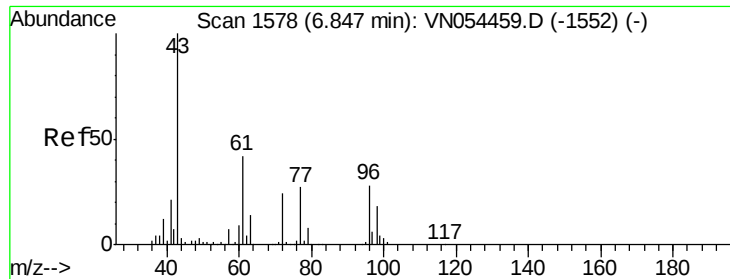
Tgt Ion: 43 Resp: 1142

Ion Ratio Lower Upper

43 100

74 26.4 20.8 31.2





#25

2-Butanone

Concen: 0.241 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VN054704.D

Acq: 26 Mar 2019 18:41

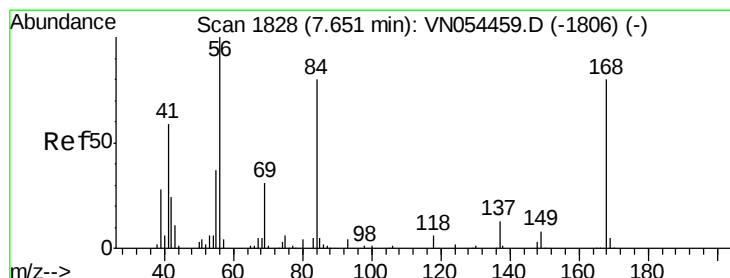
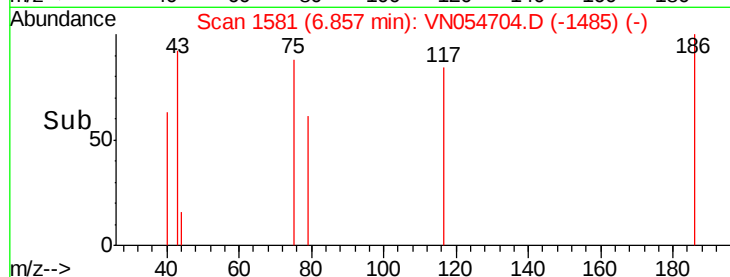
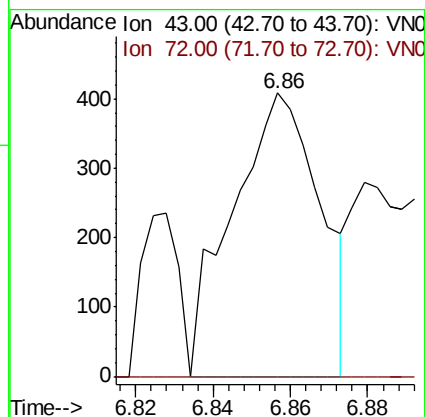
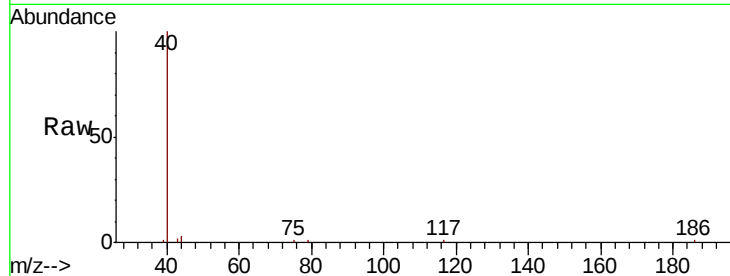
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 642

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054704.D

Acq: 26 Mar 2019 18:41

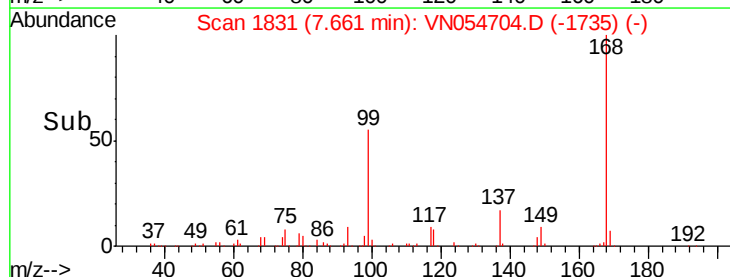
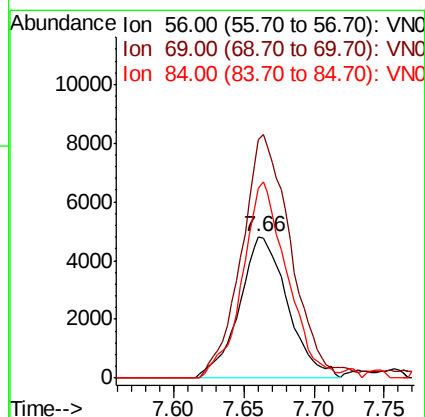
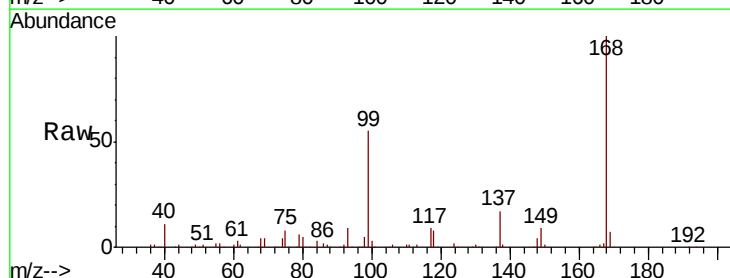
Tgt Ion: 56 Resp: 11523

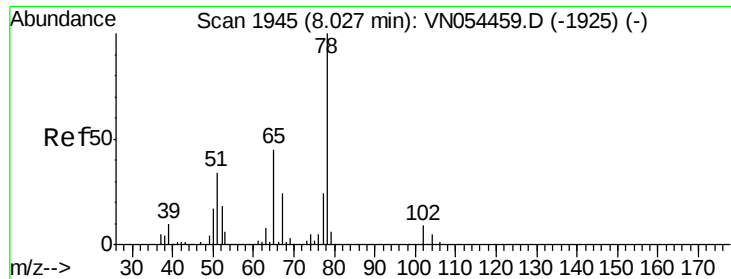
Ion Ratio Lower Upper

56 100

69 169.0 27.8 41.6#

84 134.8 74.6 111.8#

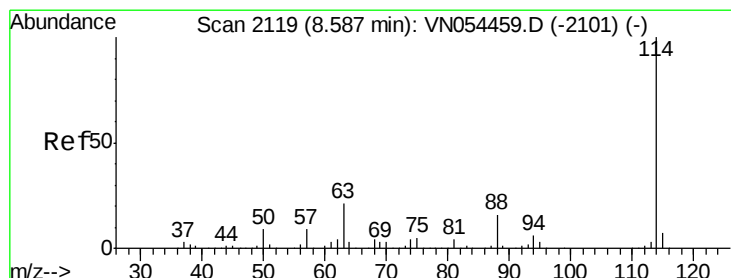
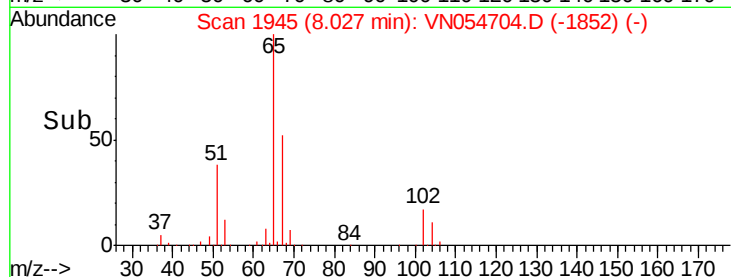
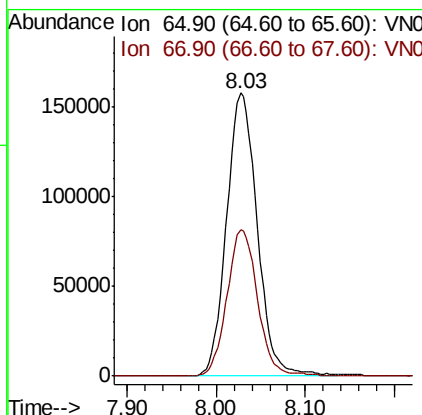
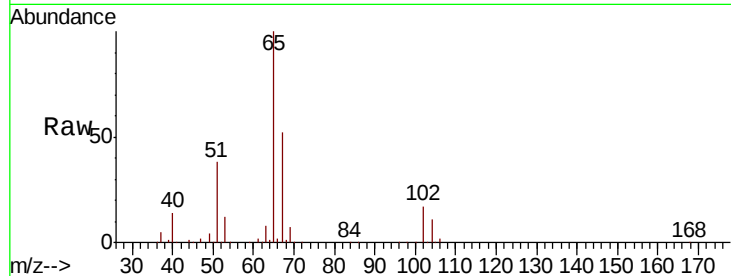




#33
 1,2-Dichloroethane-d4
 Concen: 54.616 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054704.D
 Acq: 26 Mar 2019 18:41

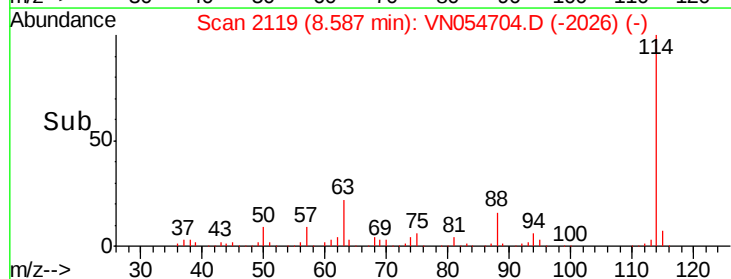
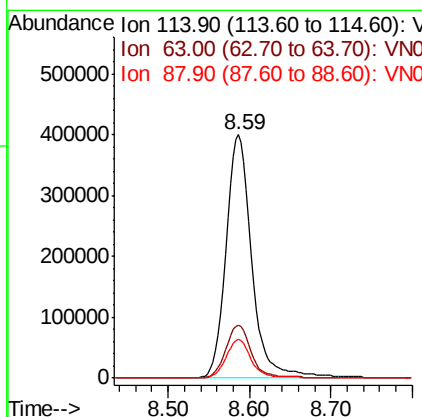
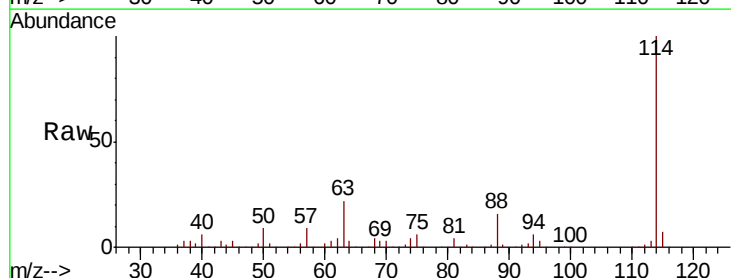
Instrument :
 MSVOA_N
 ClientSampleId :

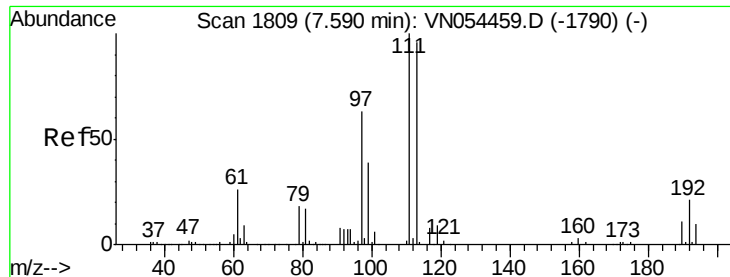
Tot Ion: 65 Resp: 377313
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054704.D
 Acq: 26 Mar 2019 18:41

Tgt Ion: 114 Resp: 892844
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 35.2
 88 15.8 0.0 30.2

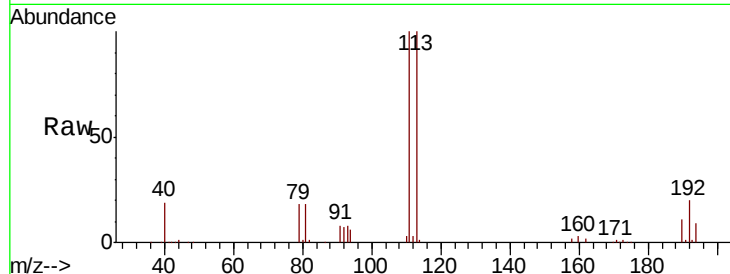




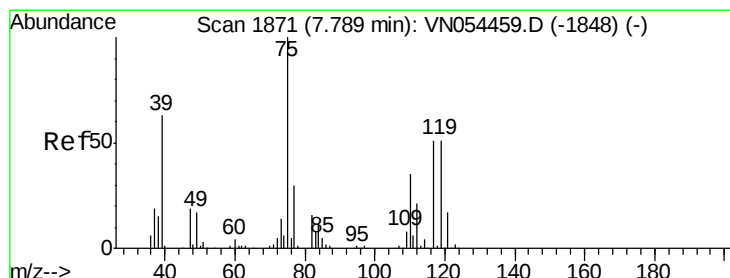
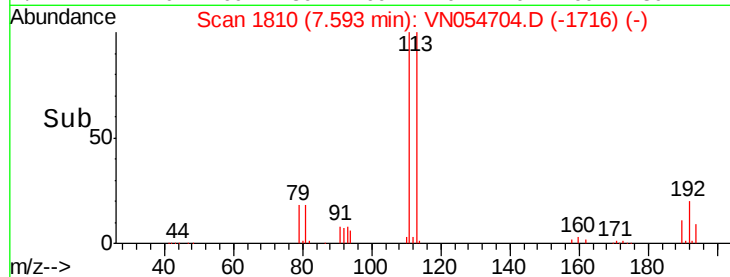
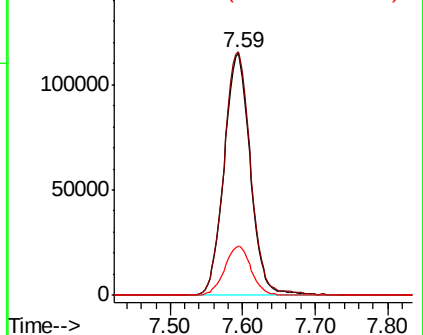
#35
 Dibromofluoromethane
 Concen: 50.139 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054704.D
 Acq: 26 Mar 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	20.5	19.2	28.8

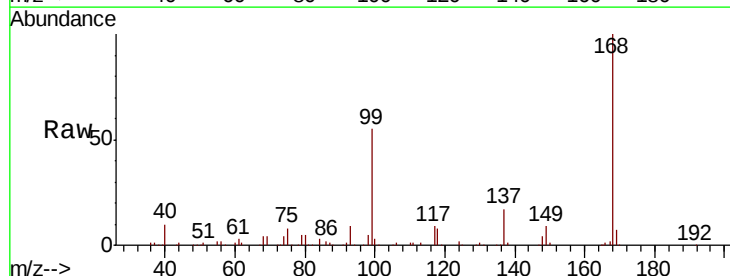


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

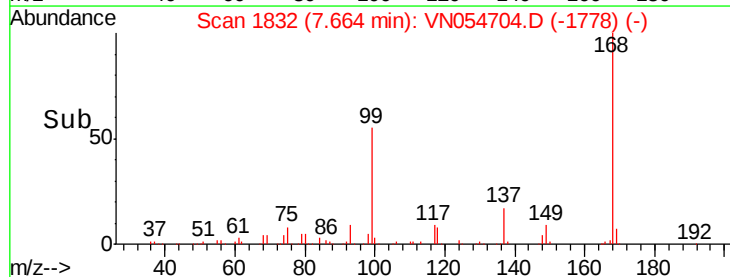
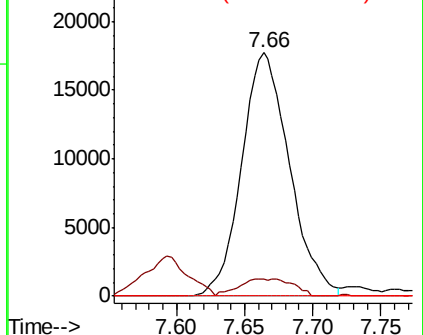


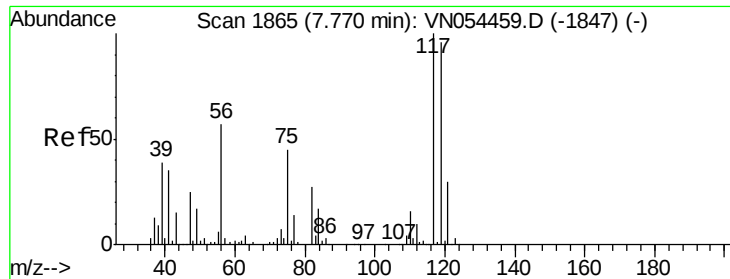
#36
 1,1-Dichloropropene
 Concen: 5.170 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054704.D
 Acq: 26 Mar 2019 18:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.4	19.1	57.5#
77	0.0	25.0	37.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.332 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.10 min

Lab File: VN054704.D

Acq: 26 Mar 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

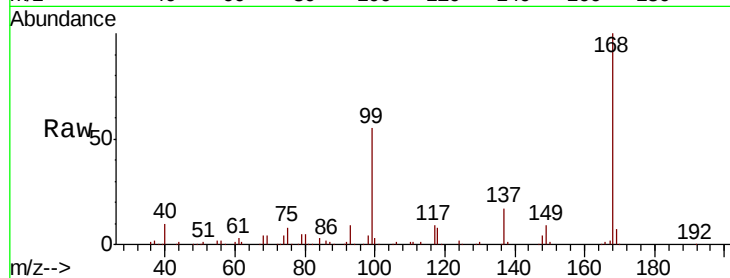
Tot Ion:117 Resp: 51365

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

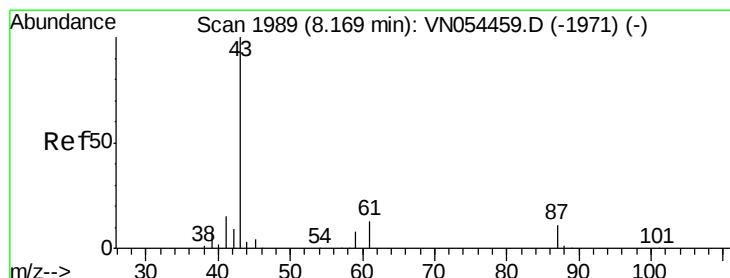
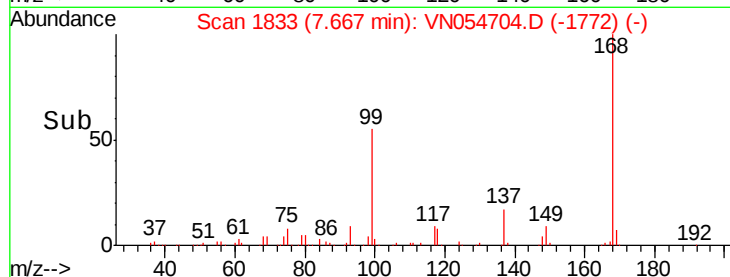
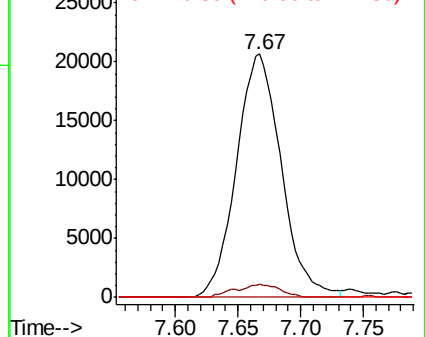
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 0.737 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.08 min

Lab File: VN054704.D

Acq: 26 Mar 2019 18:41

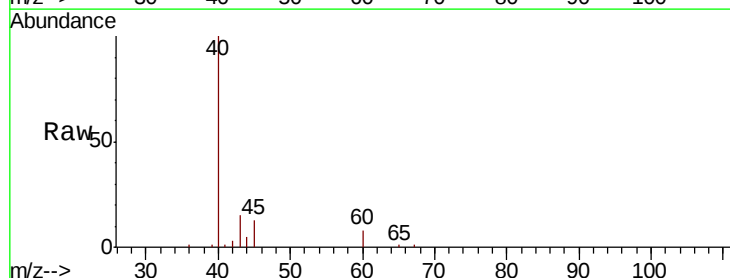
Tgt Ion: 43 Resp: 7391

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

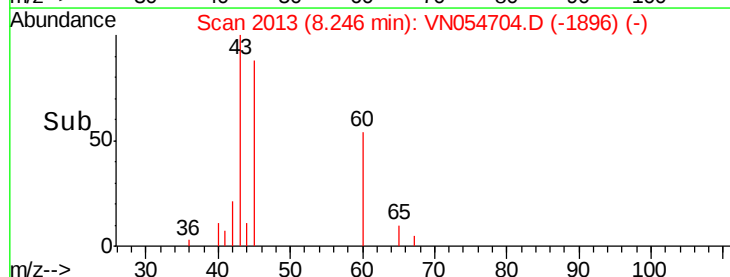
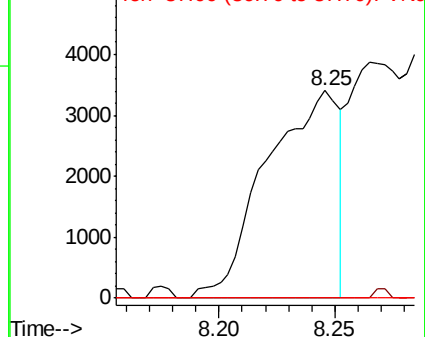
87 0.0 12.0 18.0#

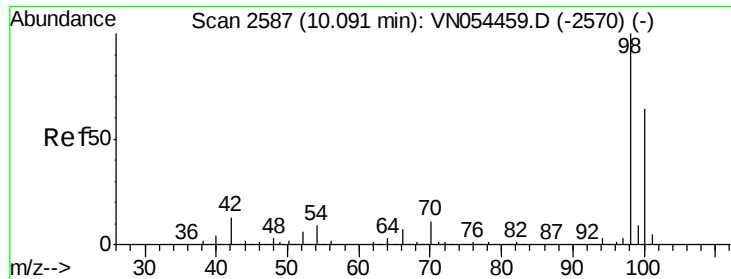


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 48.950 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054704.D

Acq: 26 Mar 2019 18:41

Instrument :

MSVOA_N

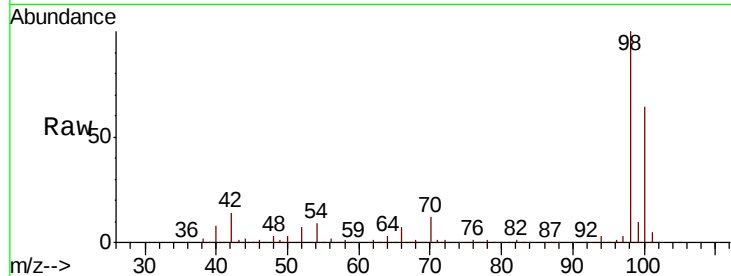
ClientSampleId :

Tot Ion: 98 Resp: 1058524

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)

10.09

600000

500000

400000

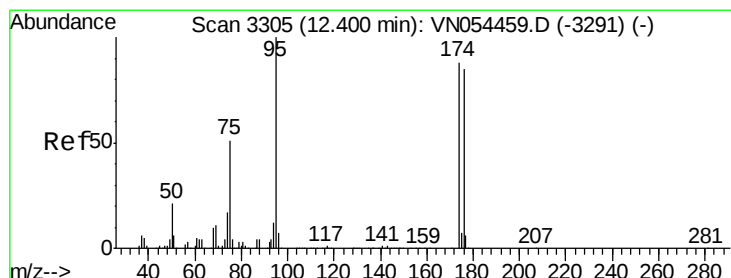
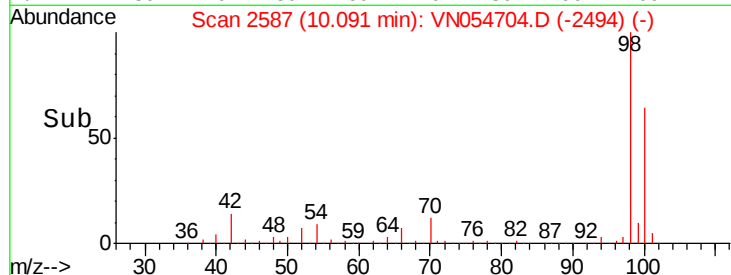
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.902 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054704.D

Acq: 26 Mar 2019 18:41

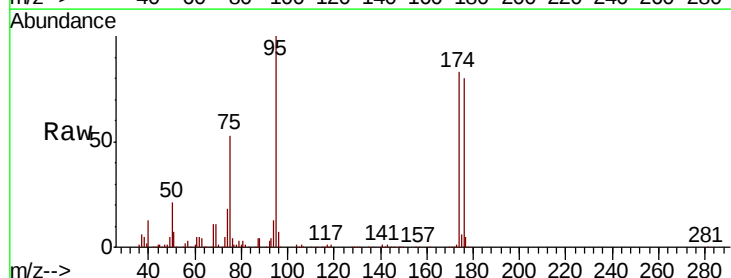
Tgt Ion: 95 Resp: 315694

Ion Ratio Lower Upper

95 100

174 83.5 0.0 191.0

176 81.1 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) (-)

12.40

250000

200000

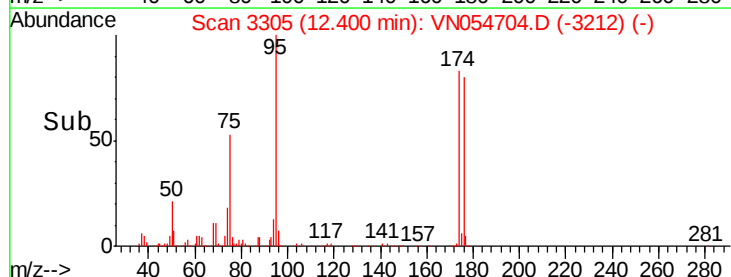
150000

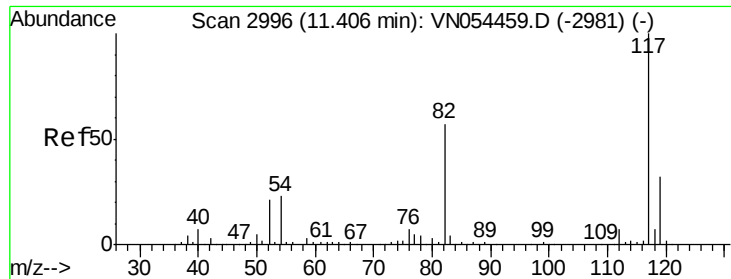
100000

50000

0

Time-->

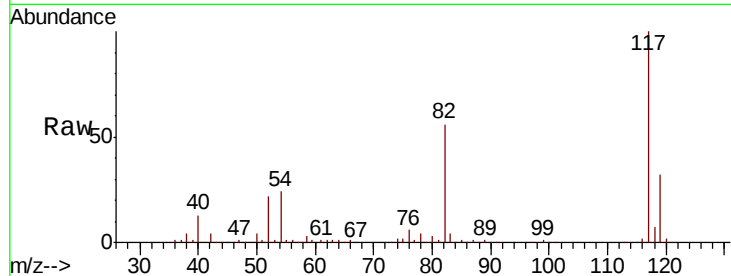




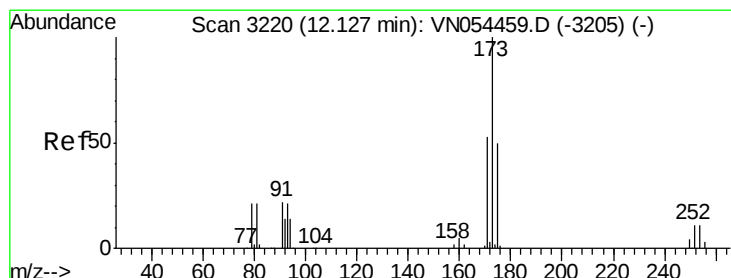
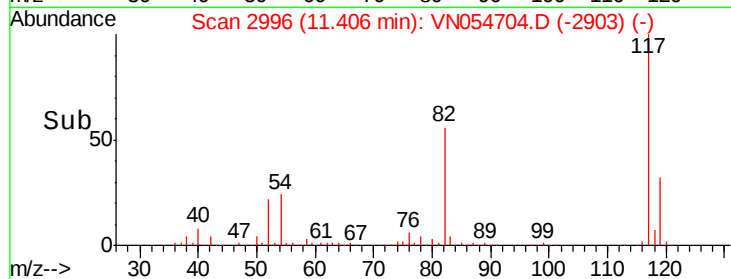
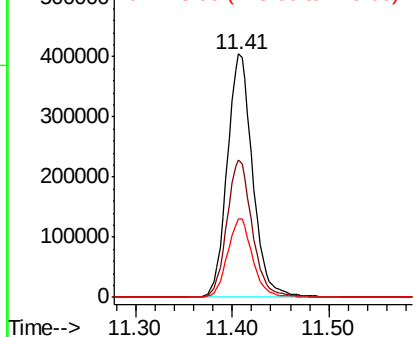
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054704.D
Acq: 26 Mar 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 739358
Ion Ratio Lower Upper
117 100
82 56.4 40.0 60.0
119 32.2 25.8 38.6

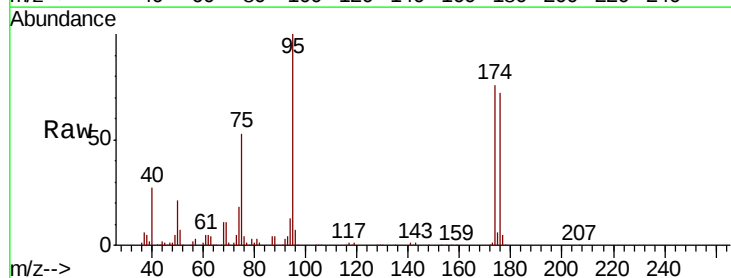


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

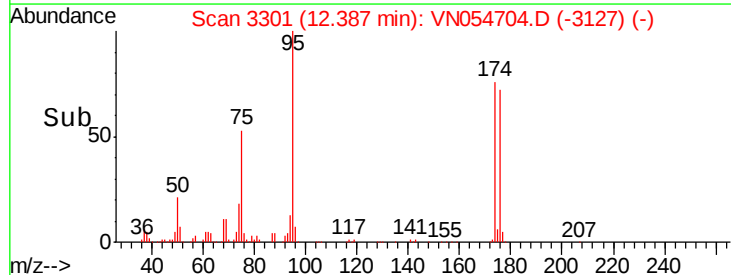
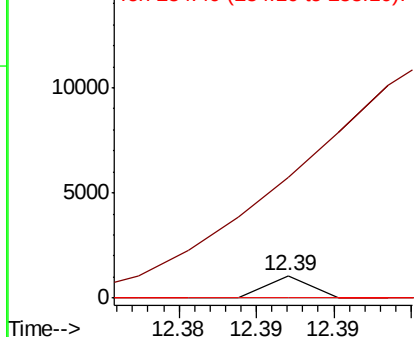


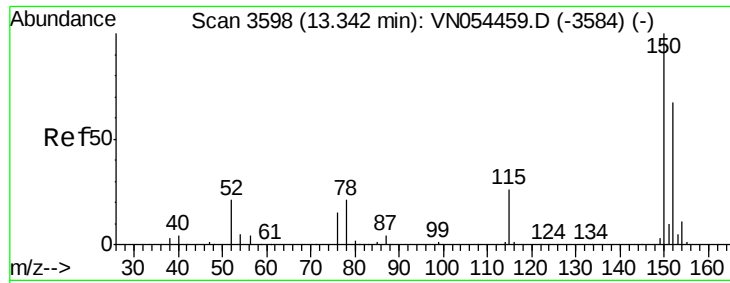
#71
Bromoform
Concen: 2.273 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.26 min
Lab File: VN054704.D
Acq: 26 Mar 2019 18:41

Tgt Ion:173 Resp: 205
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: VN054704.D

Acq: 26 Mar 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

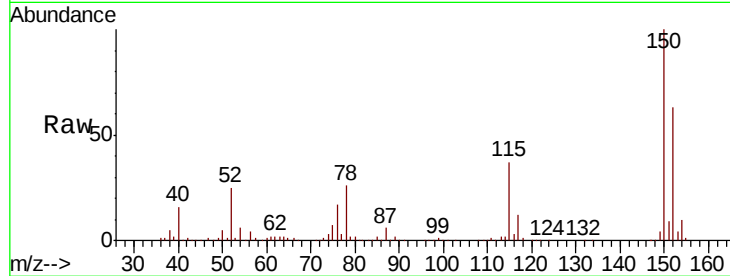
Tot Ion:152 Resp: 254247

Ion Ratio Lower Upper

152 100

115 58.5 27.2 81.6

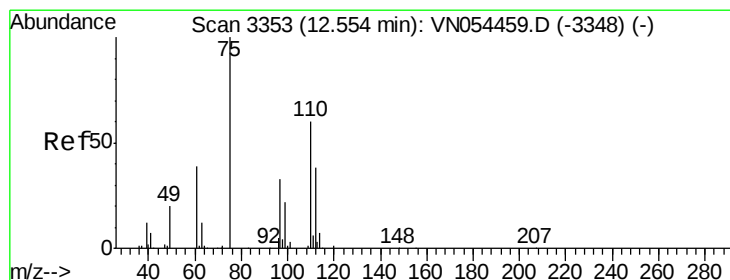
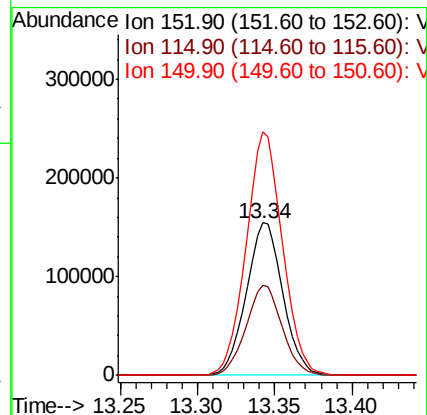
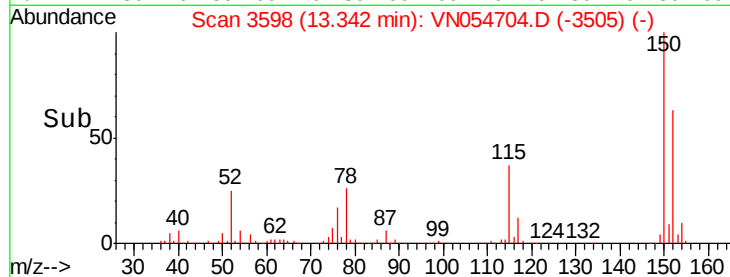
150 158.4 0.0 349.2



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: 41.047 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054704.D

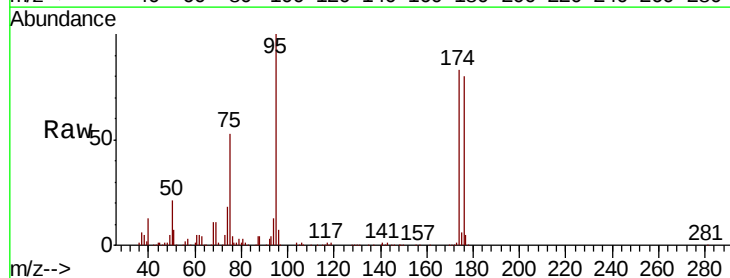
Acq: 26 Mar 2019 18:41

Tgt Ion: 75 Resp: 165604

Ion Ratio Lower Upper

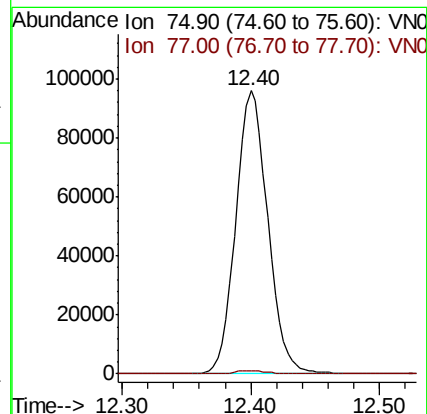
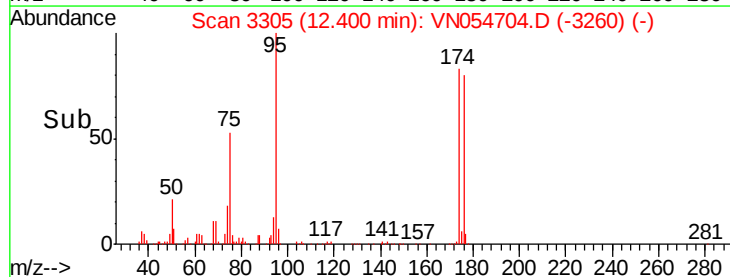
75 100

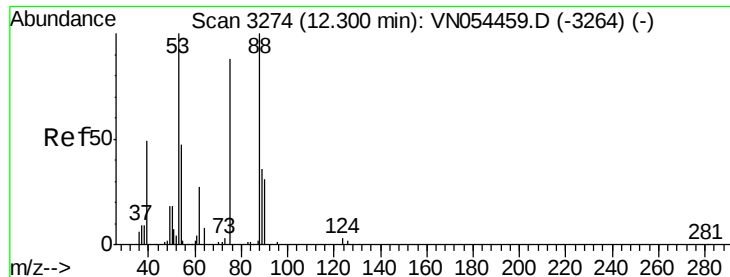
77 1.0 0.0 0.0#



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: 135.699 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054704.D

Acq: 26 Mar 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 165604

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#

