

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032619\
 Data File : VN054705.D
 Acq On : 26 Mar 2019 19:07
 Operator : JC/SP
 Sample : K2106-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 27 04:09:20 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	538668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	889751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	719307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	239469	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	366943	54.77	ug/l	0.00
Spiked Amount			Recovery	=	109.54%	
35) Dibromofluoromethane	7.59	113	288277	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	10.09	98	1052198	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.40	95	302734	41.28	ug/l	0.00
Spiked Amount			Recovery	=	82.56%	

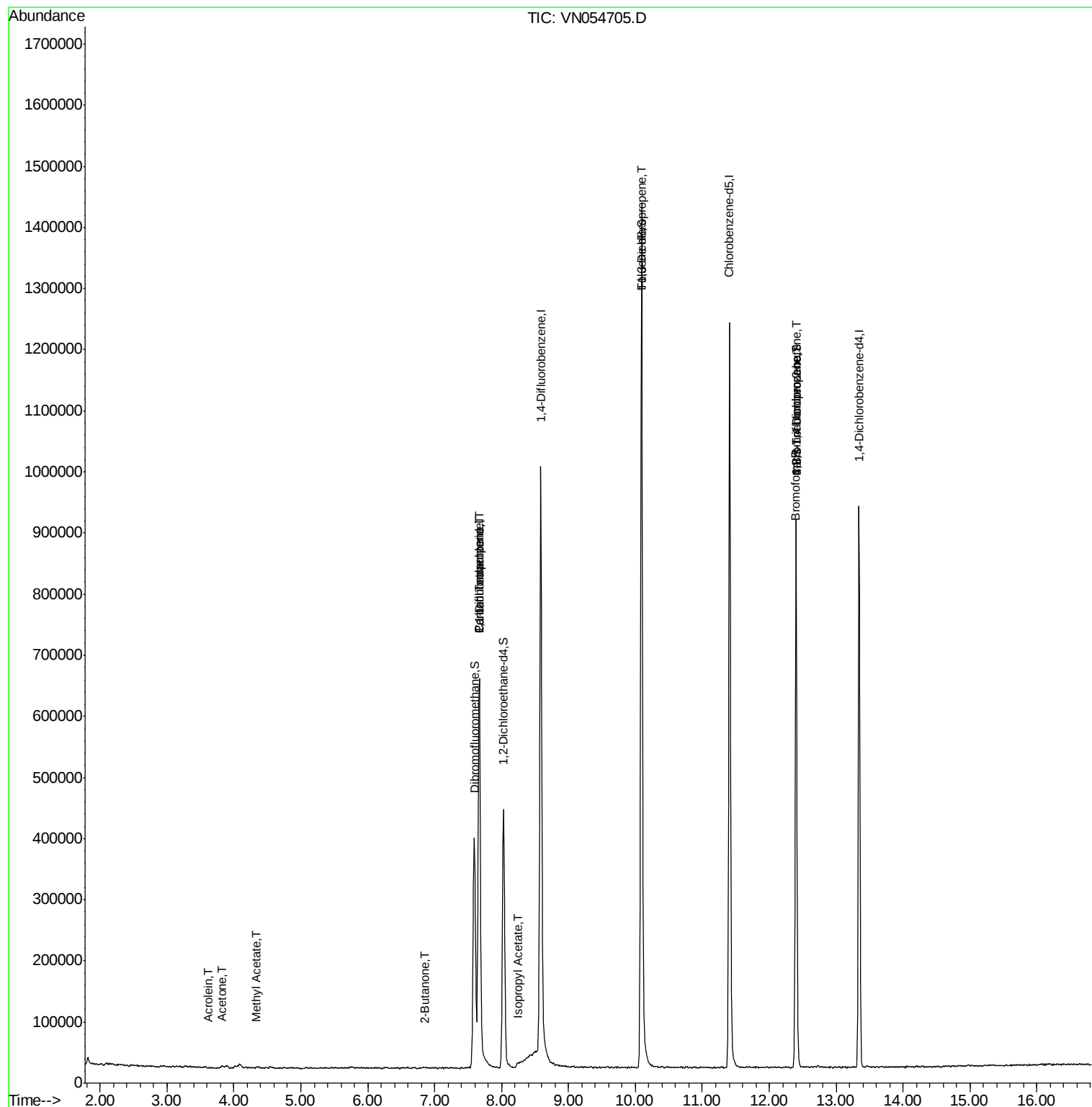
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	161	0.288	ug/l #	57
16) Acetone	3.82	43	7066	3.508	ug/l #	82
18) Methyl Acetate	4.33	43	1440	0.321	ug/l #	82
25) 2-Butanone	6.85	43	679	0.263	ug/l #	46
31) Cyclohexane	7.67	56	11543	Below Cal	#	23
36) 1,1-Dichloropropene	7.66	75	40988	4.927	ug/l #	47
38) Carbon Tetrachloride	7.67	117	51951	6.426	ug/l #	16
43) Isopropyl Acetate	8.25	43	7042	0.705	ug/l #	60
53) t-1,3-Dichloropropene	10.09	75	95	2.243	ug/l #	6
71) Bromoform	12.39	173	499	2.352	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	159713	42.030	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	159713	138.872	ug/l #	11

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054705.D

Acq: 26 Mar 2019 19:07

Instrument :

MSVOA_N

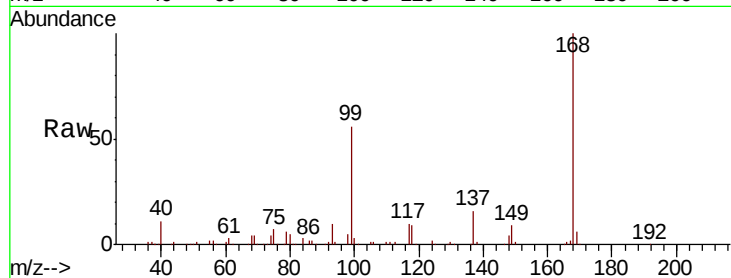
ClientSampleId :

Tot Ion:168 Resp: 538668

Ion Ratio Lower Upper

168 100

99 55.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054705.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054705.D (-1740) (-)

7.67

250000

200000

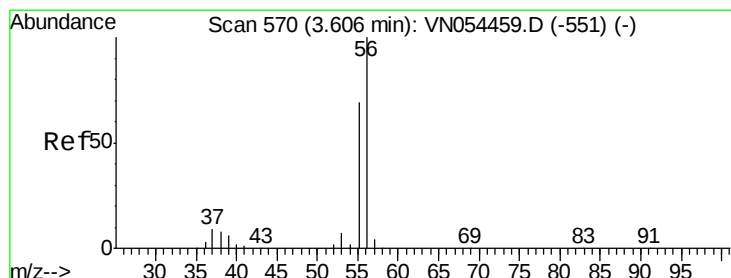
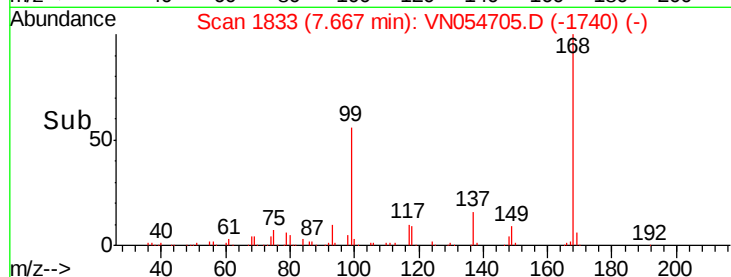
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.288 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054705.D

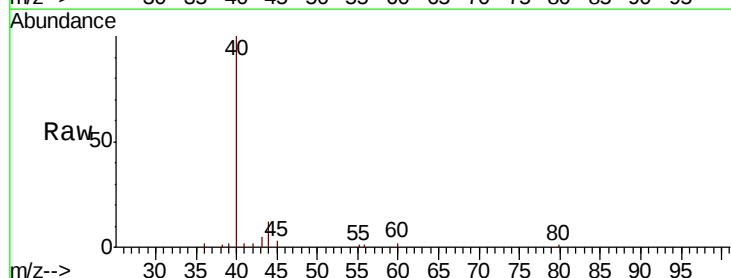
Acq: 26 Mar 2019 19:07

Tgt Ion: 56 Resp: 161

Ion Ratio Lower Upper

56 100

55 35.4 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN054705.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN054705.D (-477) (-)

3.61

300

250

200

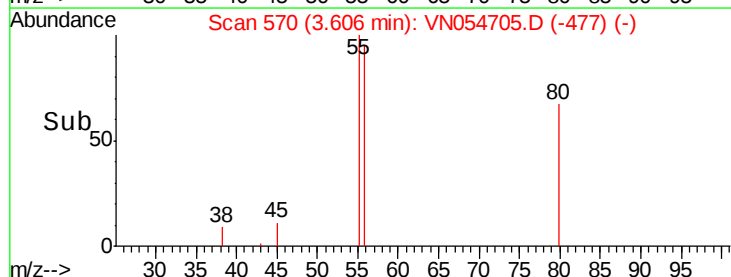
150

100

50

0

Time-->

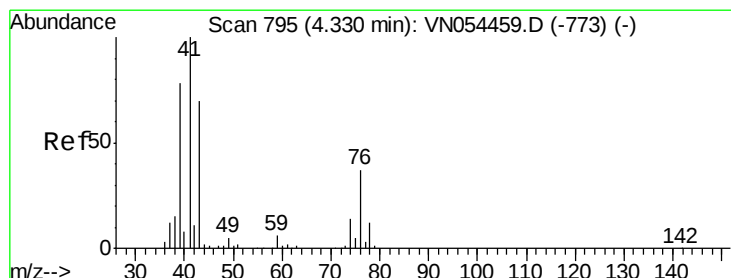
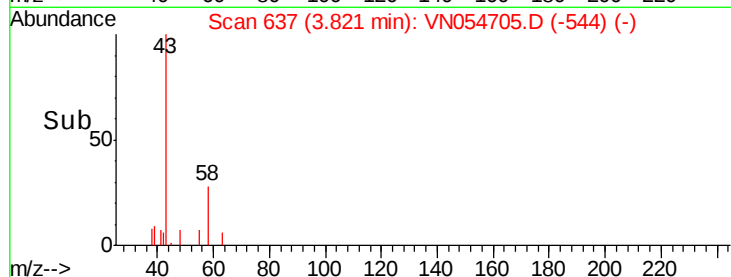
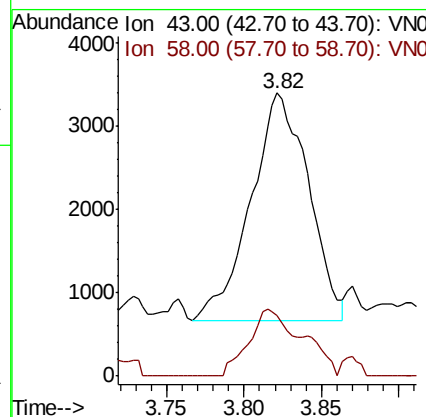
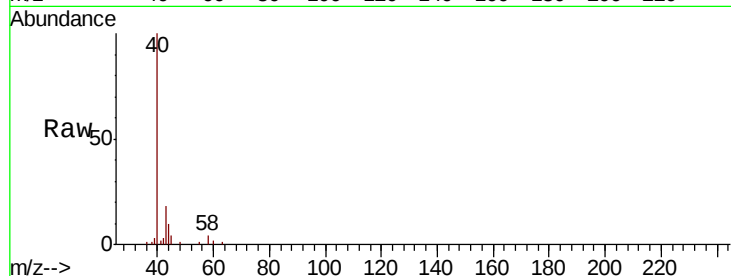




#16
Acetone
Concen: 3.508 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN054705.D
Acq: 26 Mar 2019 19:07

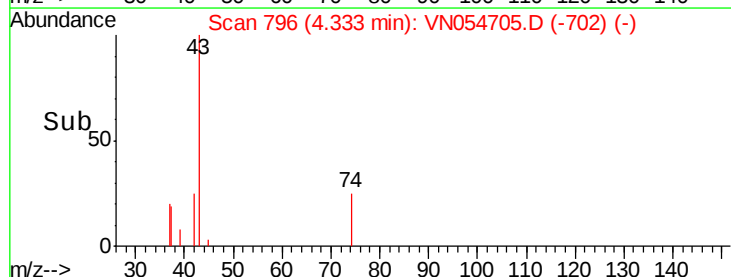
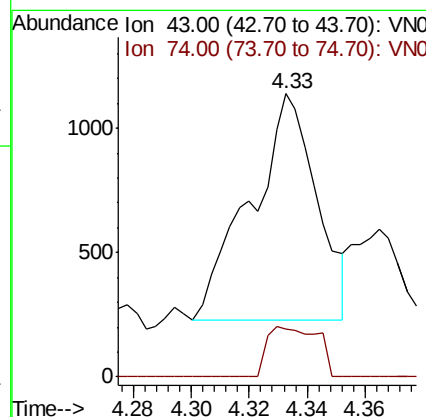
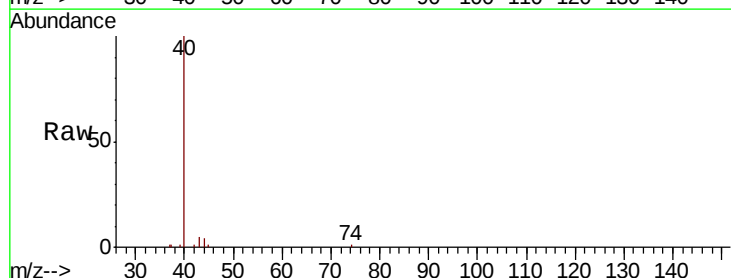
Instrument :
MSVOA_N
ClientSampleId :

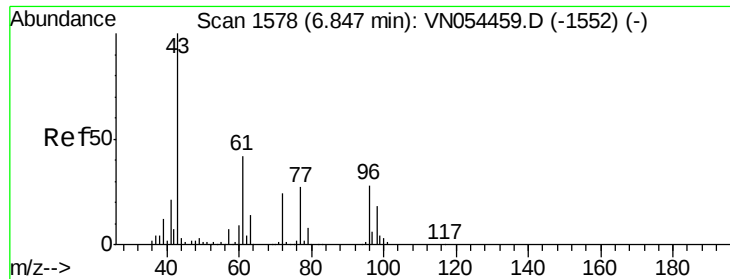
Tot Ion: 43 Resp: 7066
Ion Ratio Lower Upper
43 100
58 26.6 29.9 44.9#



#18
Methyl Acetate
Concen: 0.321 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054705.D
Acq: 26 Mar 2019 19:07

Tgt Ion: 43 Resp: 1440
Ion Ratio Lower Upper
43 100
74 16.9 20.8 31.2#

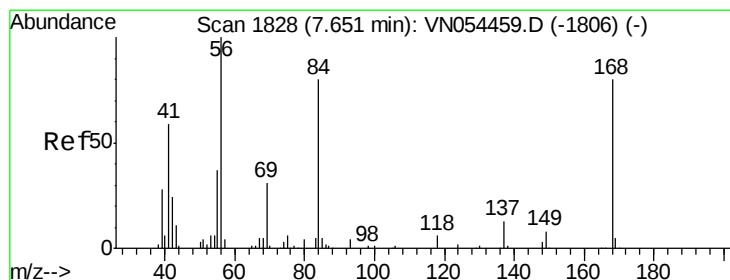
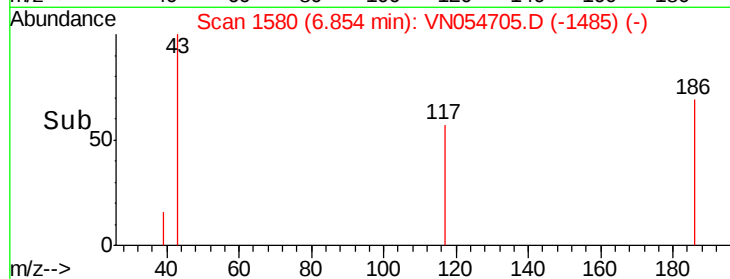
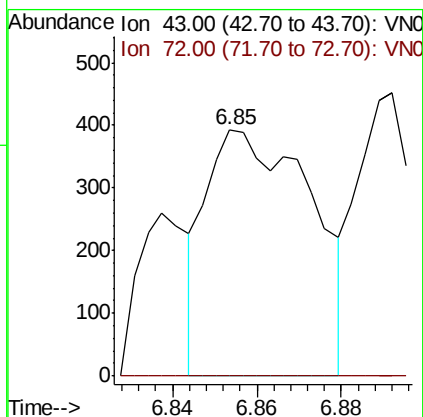
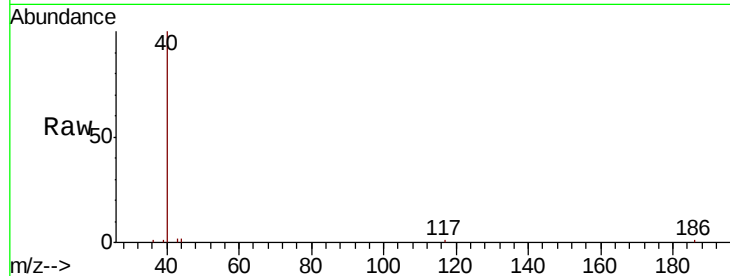




#25
2-Butanone
Concen: 0.263 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054705.D
Acq: 26 Mar 2019 19:07

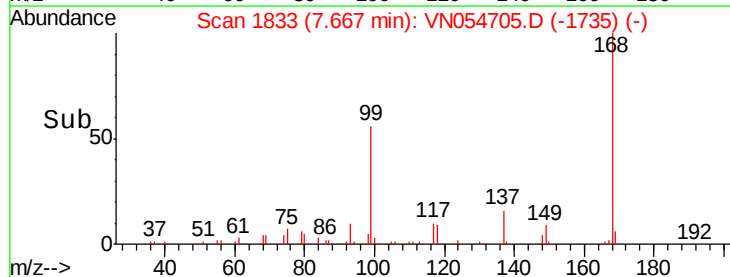
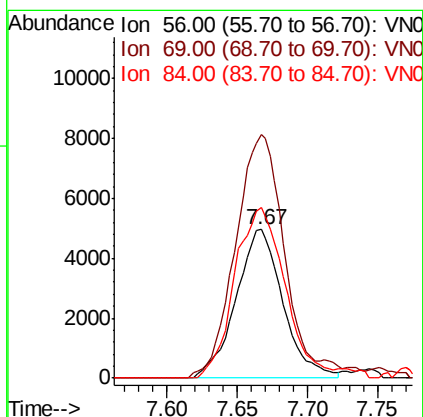
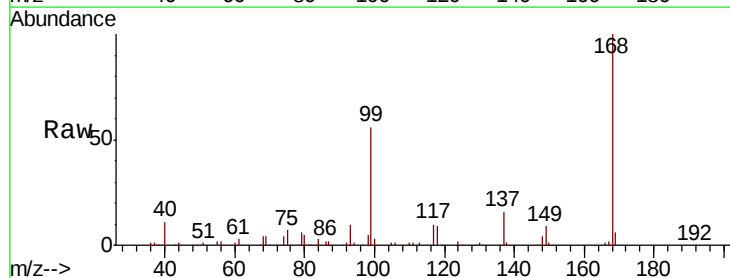
Instrument :
MSVOA_N
ClientSampled :

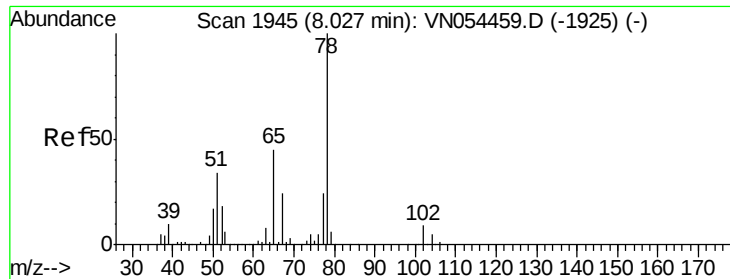
Tot Ion: 43 Resp: 679
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054705.D
Acq: 26 Mar 2019 19:07

Tgt Ion: 56 Resp: 11543
Ion Ratio Lower Upper
56 100
69 163.8 27.8 41.6#
84 115.1 74.6 111.8#

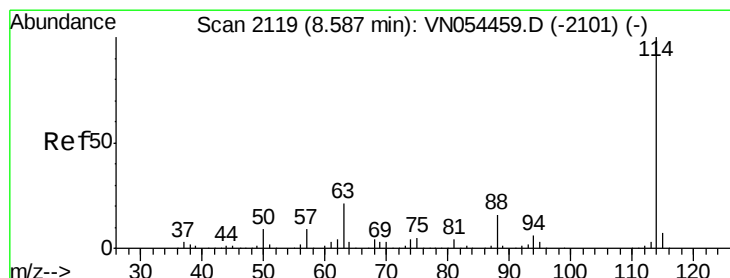
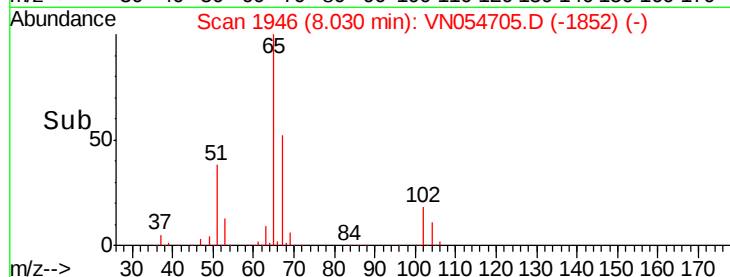
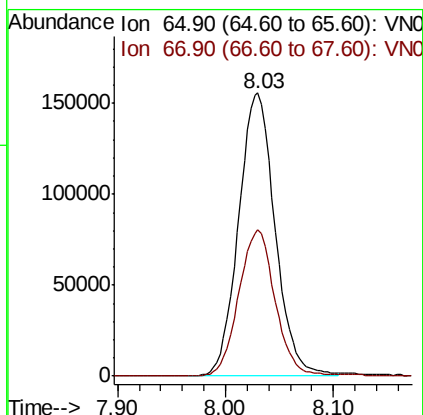
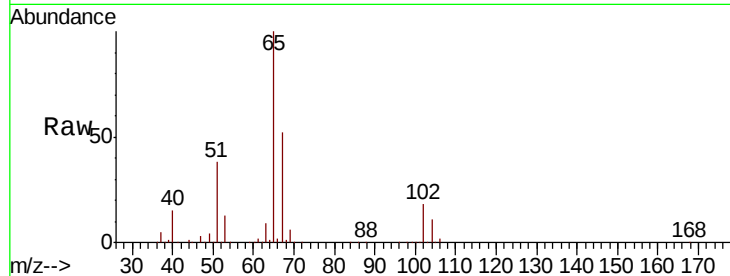




#33
 1,2-Dichloroethane-d4
 Concen: 54.766 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054705.D
 Acq: 26 Mar 2019 19:07

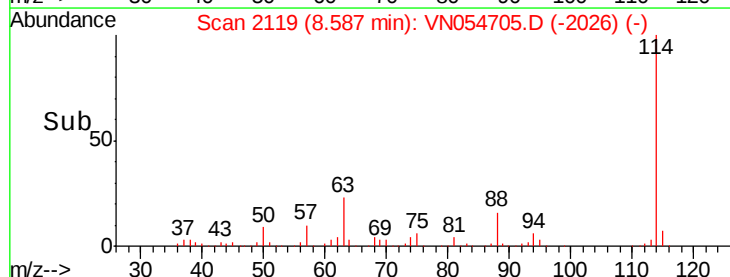
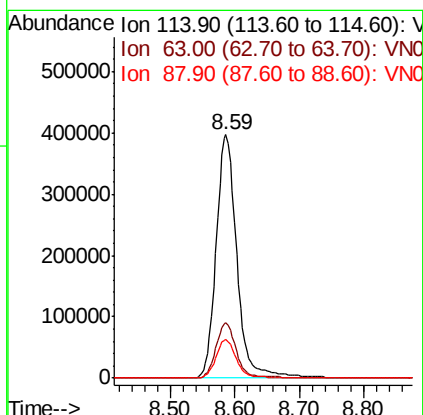
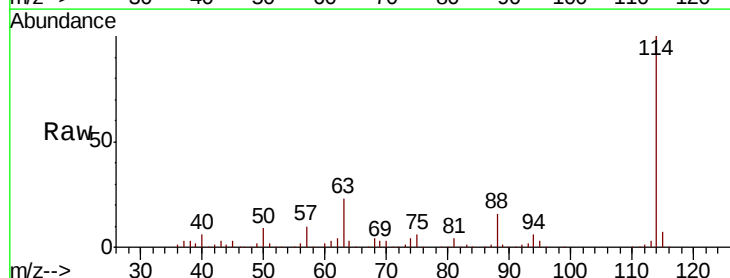
Instrument :
 MSVOA_N
 ClientSampleId :

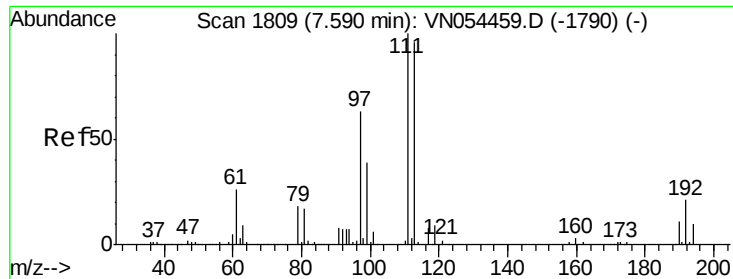
Tot Ion: 65 Resp: 366943
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054705.D
 Acq: 26 Mar 2019 19:07

Tgt Ion: 114 Resp: 889751
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 35.2
 88 15.7 0.0 30.2

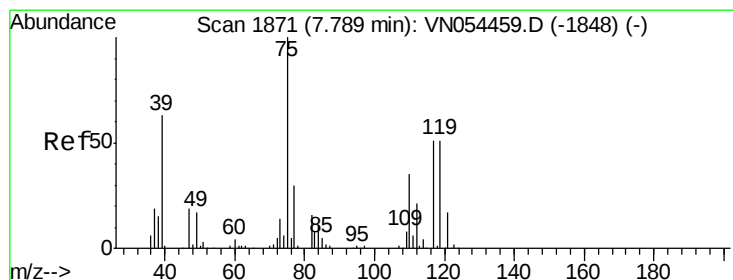
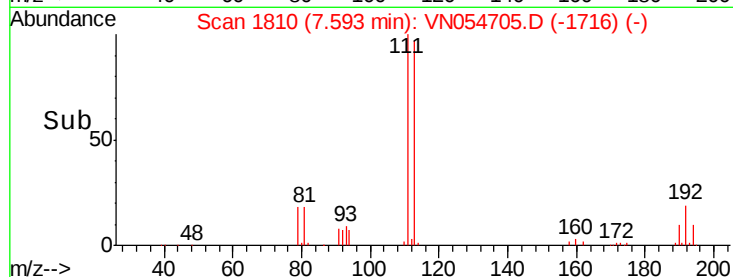
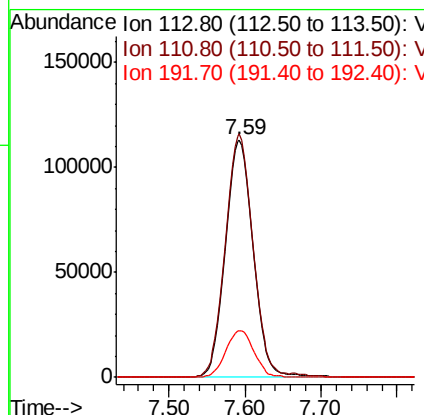
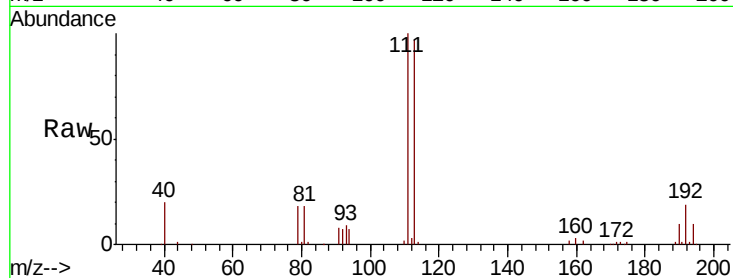




#35
 Dibromofluoromethane
 Concen: 50.291 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054705.D
 Acq: 26 Mar 2019 19:07

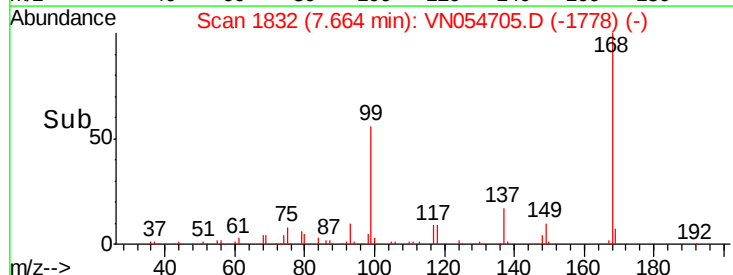
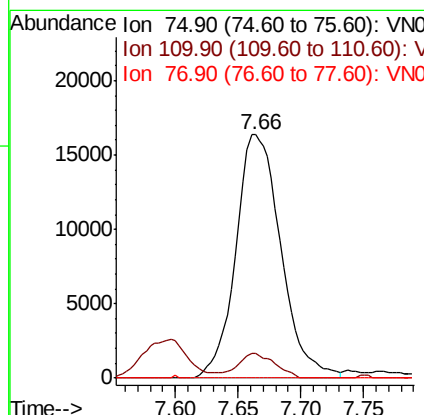
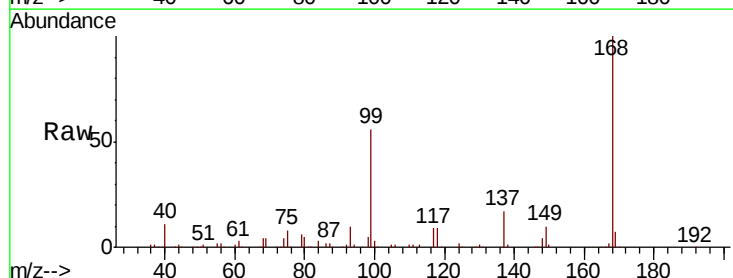
Instrument :
 MSVOA_N
 ClientSampleId :

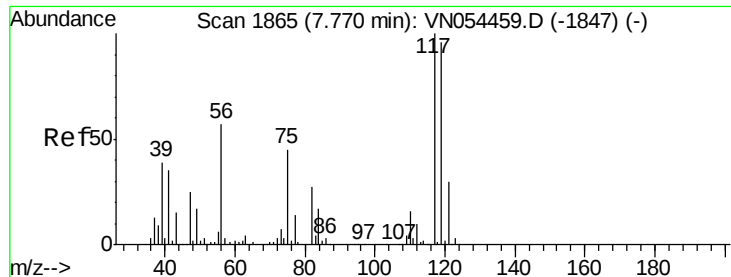
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.2	123.4
192	20.1	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.927 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054705.D
 Acq: 26 Mar 2019 19:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.426 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.10 min

Lab File: VN054705.D

Acq: 26 Mar 2019 19:07

Instrument :

MSVOA_N

ClientSampled :

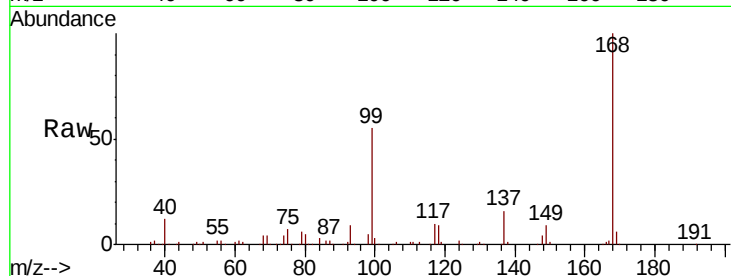
Tot Ion:117 Resp: 51951

Ion Ratio Lower Upper

117 100

119 5.5 76.3 114.5#

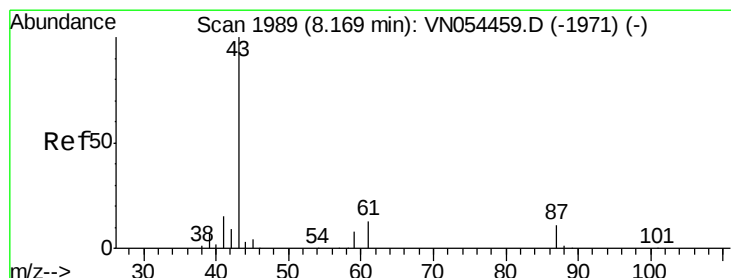
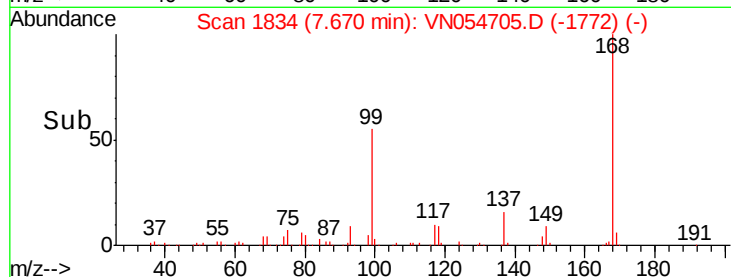
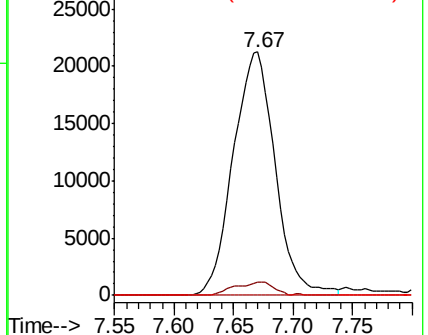
121 0.0 24.6 36.8#



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: 0.705 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.08 min

Lab File: VN054705.D

Acq: 26 Mar 2019 19:07

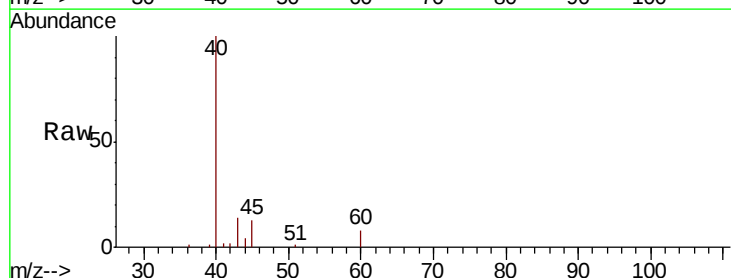
Tgt Ion: 43 Resp: 7042

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

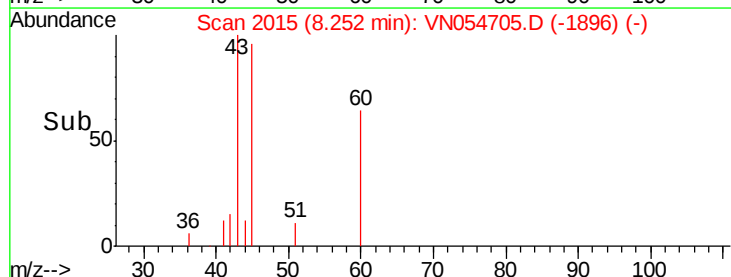
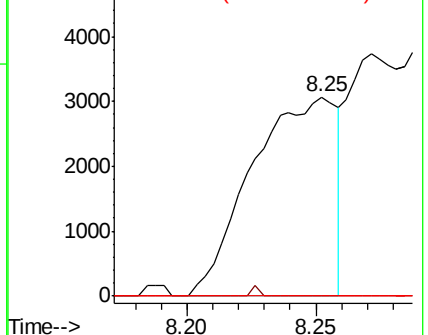
87 0.0 12.0 18.0#

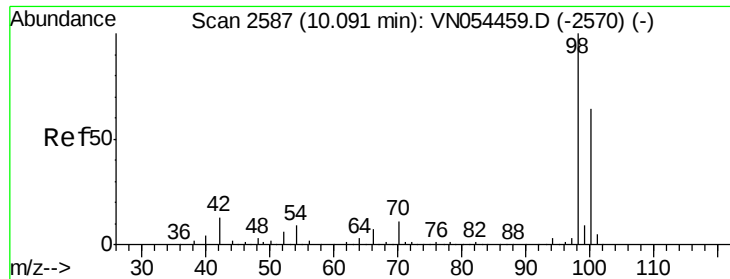


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 48.827 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054705.D

Acq: 26 Mar 2019 19:07

Instrument :

MSVOA_N

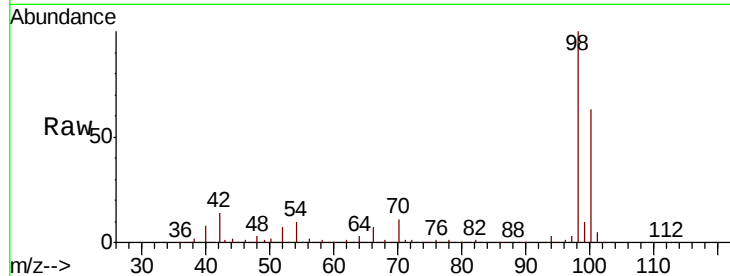
ClientSampleId :

Tot Ion: 98 Resp: 1052198

Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

500000

400000

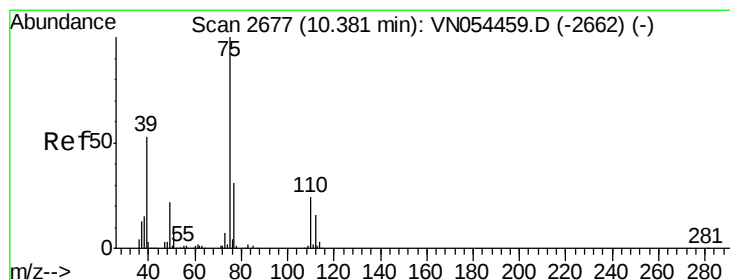
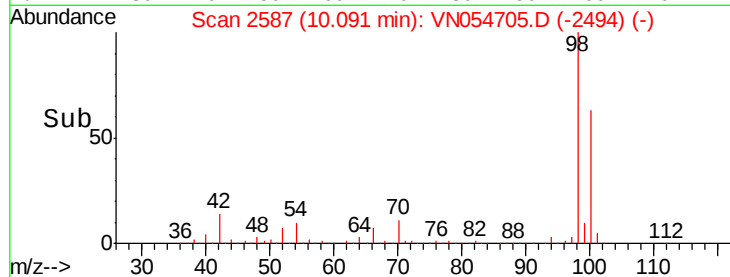
300000

200000

100000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.243 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.29 min

Lab File: VN054705.D

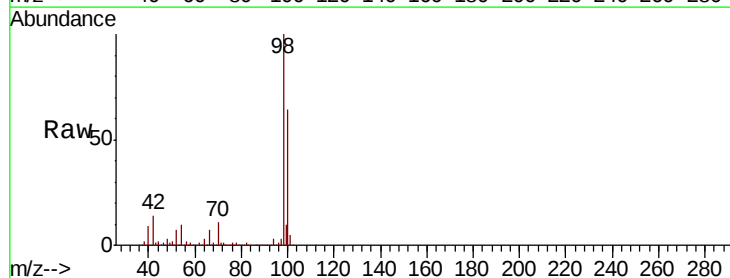
Acq: 26 Mar 2019 19:07

Tgt Ion: 75 Resp: 95

Ion Ratio Lower Upper

75 100

77 85.1 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

500

400

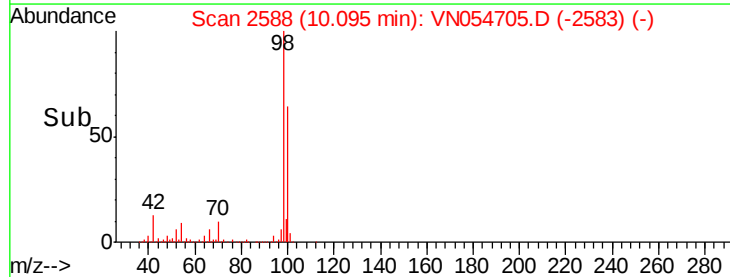
300

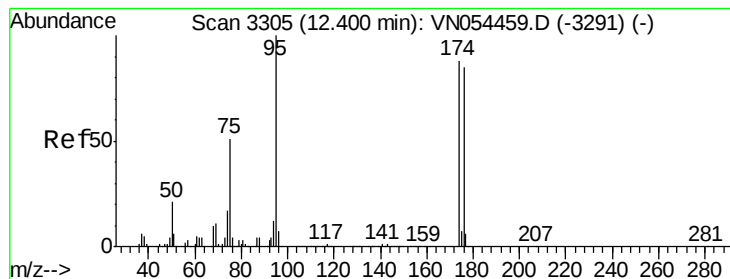
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 41.284 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054705.D

Acq: 26 Mar 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

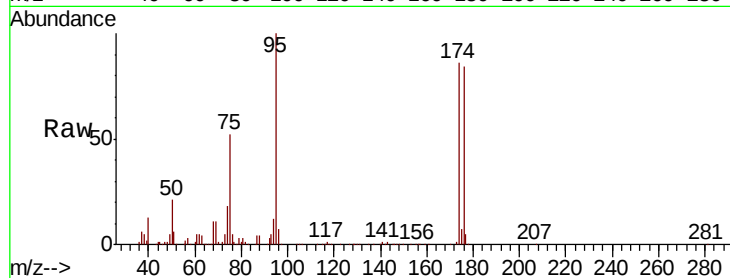
Tot Ion: 95 Resp: 302734

Ion Ratio Lower Upper

95 100

174 86.2 0.0 191.0

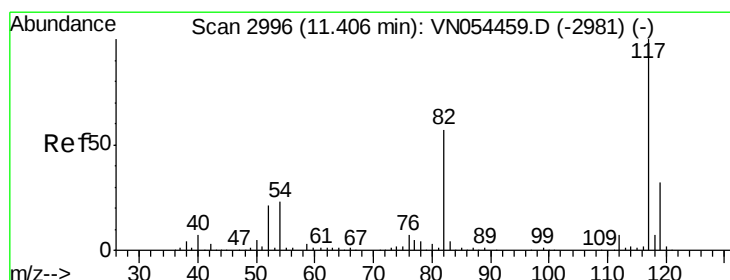
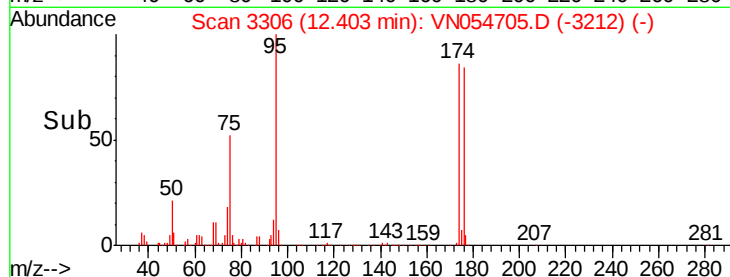
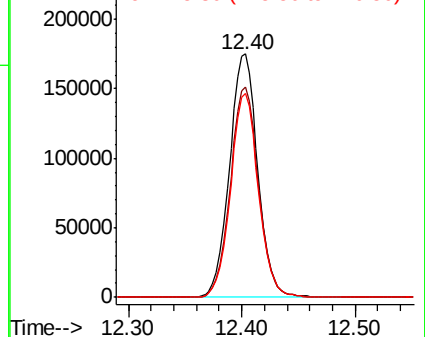
176 82.7 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054705.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054705.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054705.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054705.D

Acq: 26 Mar 2019 19:07

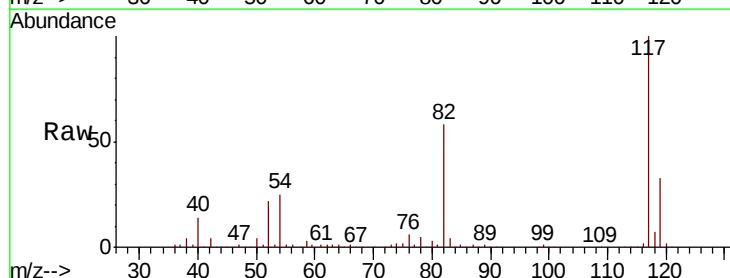
Tgt Ion: 117 Resp: 719307

Ion Ratio Lower Upper

117 100

82 57.8 40.0 60.0

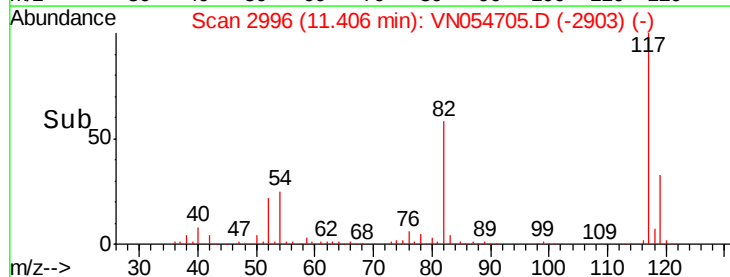
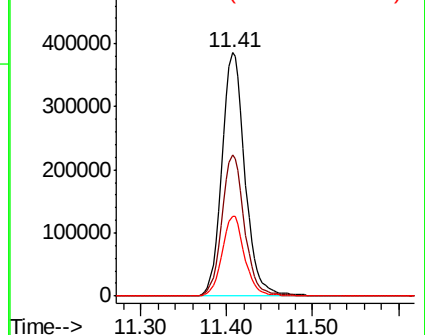
119 32.8 25.8 38.6

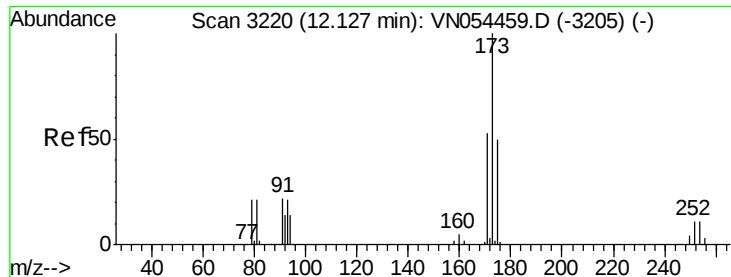


Abundance Ion 116.90 (116.60 to 117.60): VN054705.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054705.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054705.D (-2903) (-)





#71

Bromoform

Concen: 2.352 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.26 min

Lab File: VN054705.D

Acq: 26 Mar 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

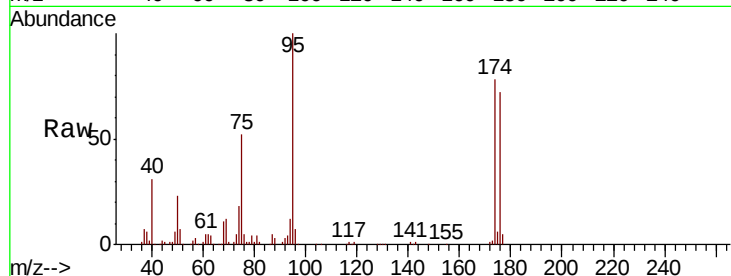
Tot Ion:173 Resp: 499

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

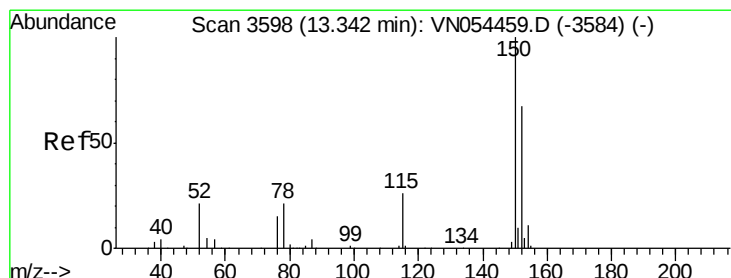
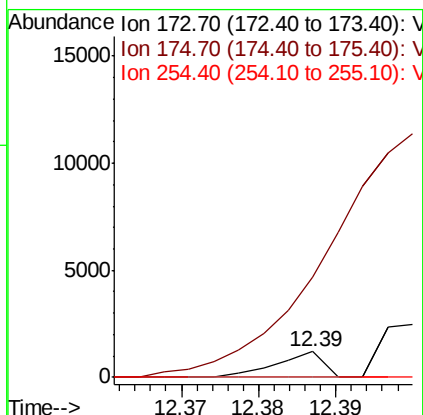
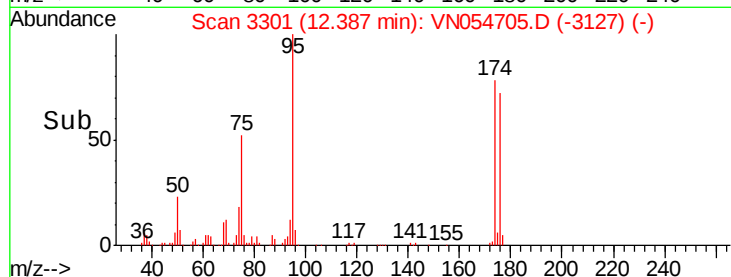
254 0.0 0.1 0.1#



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: VN054705.D

Acq: 26 Mar 2019 19:07

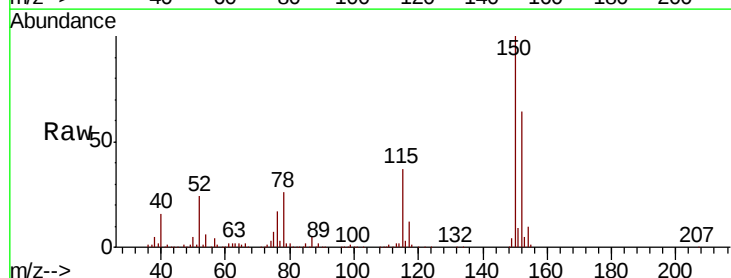
Tgt Ion:152 Resp: 239469

Ion Ratio Lower Upper

152 100

115 58.1 27.2 81.6

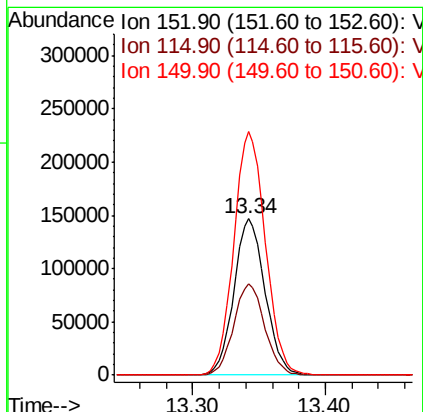
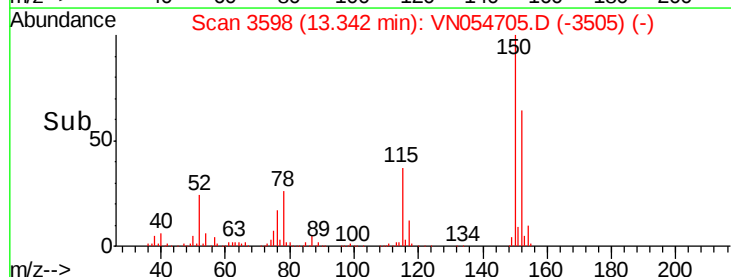
150 157.5 0.0 349.2

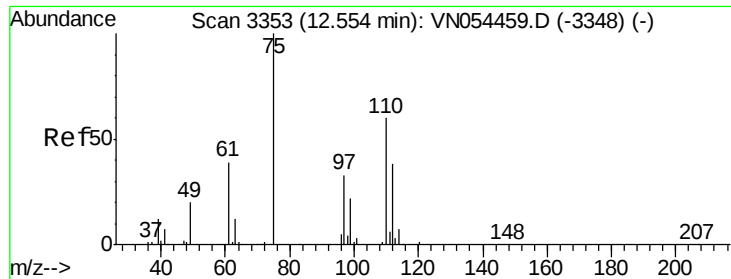


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 42.030 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054705.D

Acq: 26 Mar 2019 19:07

Instrument :

MSVOA_N

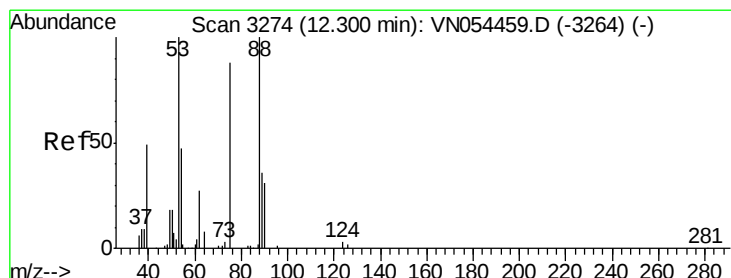
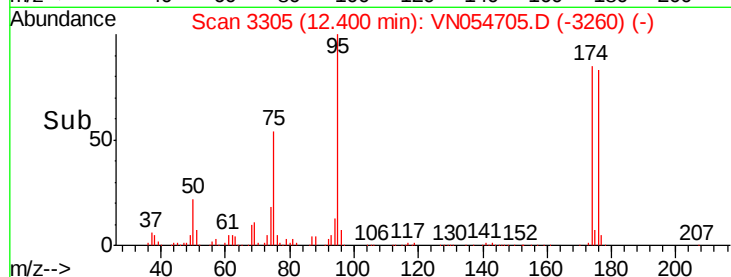
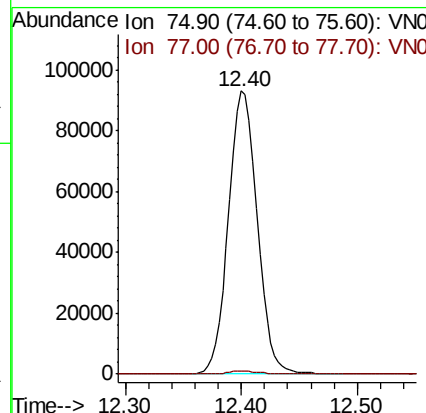
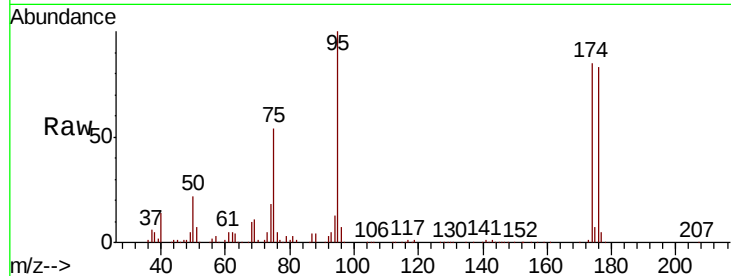
ClientSampled :

Tot Ion: 75 Resp: 159713

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.872 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054705.D

Acq: 26 Mar 2019 19:07

Tgt Ion: 75 Resp: 159713

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#

