

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032619\
 Data File : VN054703.D
 Acq On : 26 Mar 2019 18:15
 Operator : JC/SP
 Sample : K2106-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 27 04:08:57 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	546483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	866141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	726289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	245153	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	345298	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
35) Dibromofluoromethane	7.59	113	275269	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	10.09	98	1040479	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.40	95	311859	43.69	ug/l	0.00
Spiked Amount			Recovery	=	87.38%	

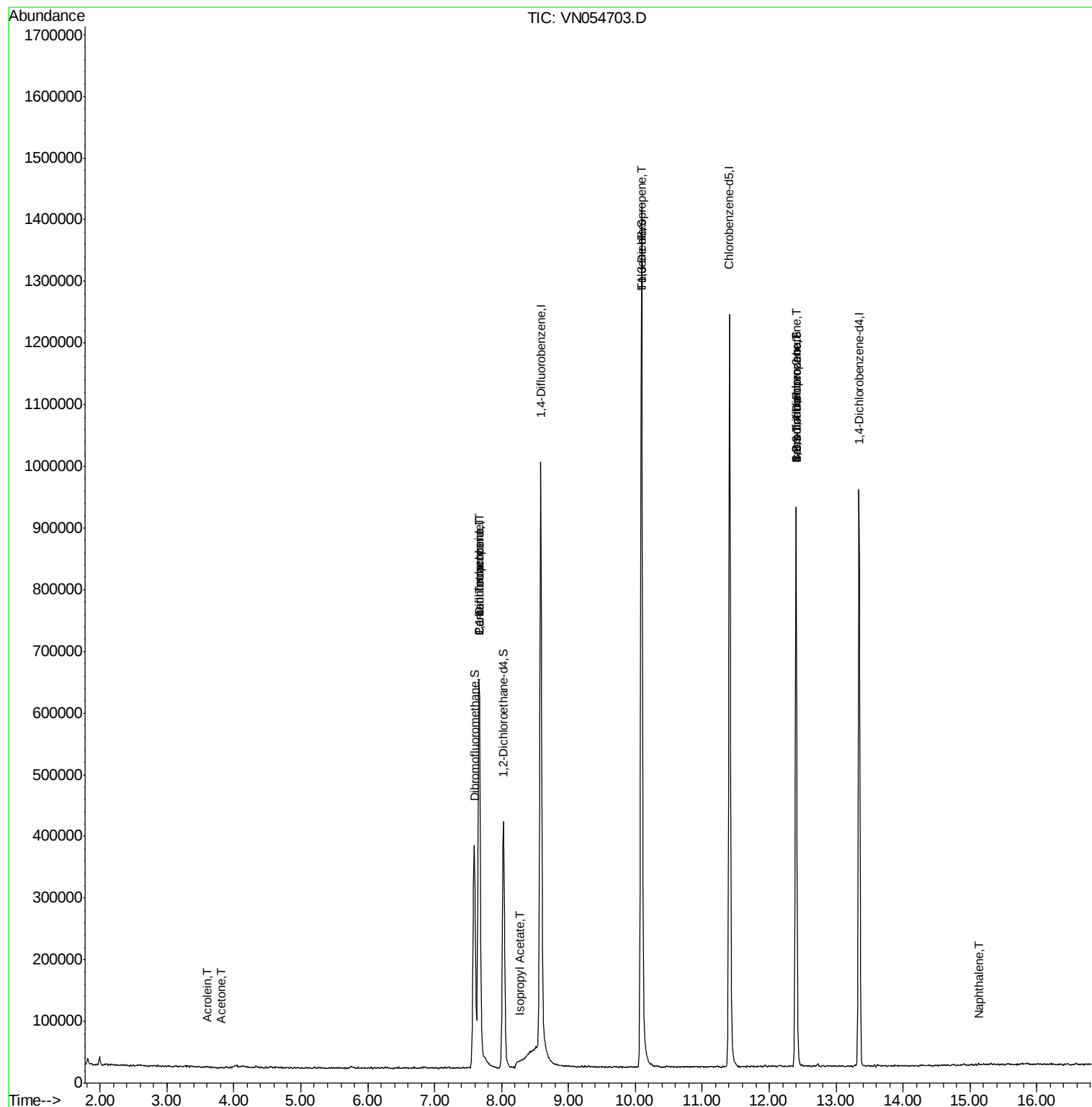
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	328	0.578	ug/l #	49
16) Acetone	3.81	43	455	0.223	ug/l #	38
31) Cyclohexane	7.66	56	12341	Below Cal	#	32
36) 1,1-Dichloropropene	7.67	75	41120	5.077	ug/l #	43
38) Carbon Tetrachloride	7.67	117	51527	6.547	ug/l #	16
43) Isopropyl Acetate	8.27	43	15700	1.614	ug/l #	60
53) t-1,3-Dichloropropene	10.10	75	71	2.240	ug/l #	1
71) Bromoform	12.40	173	1491	2.610	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	161761	41.582	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	161761	137.425	ug/l #	11
94) Hexachlorobutadiene	15.00	225	109	Below Cal	#	19
95) Naphthalene	15.13	128	2020	0.231	ug/l #	78

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

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QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054703.D

Acq: 26 Mar 2019 18:15

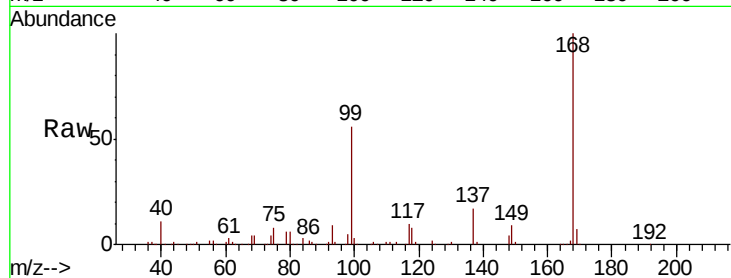
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 546483

Ion Ratio Lower Upper

168 100

99 55.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054703.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054703.D (-1740) (-)

7.67

250000

200000

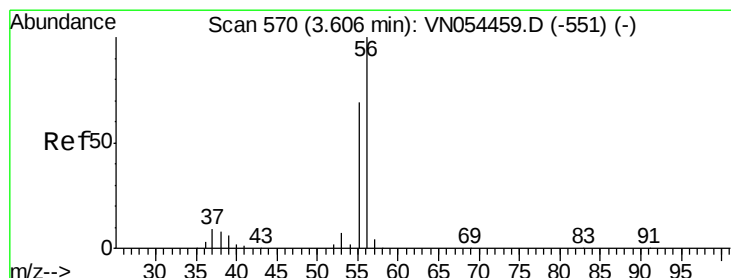
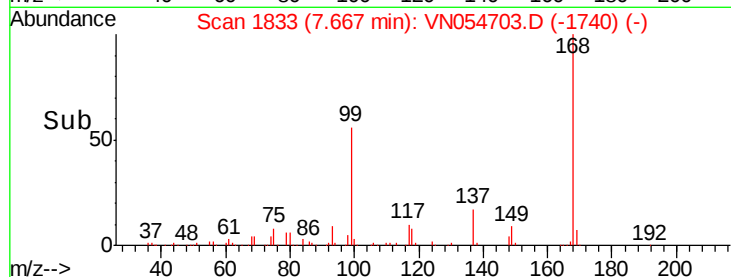
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#13

Acrolein

Concen: 0.578 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054703.D

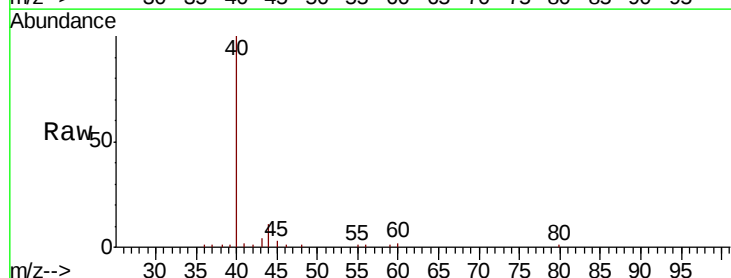
Acq: 26 Mar 2019 18:15

Tgt Ion: 56 Resp: 328

Ion Ratio Lower Upper

56 100

55 28.4 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN054703.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN054703.D (-477) (-)

3.61

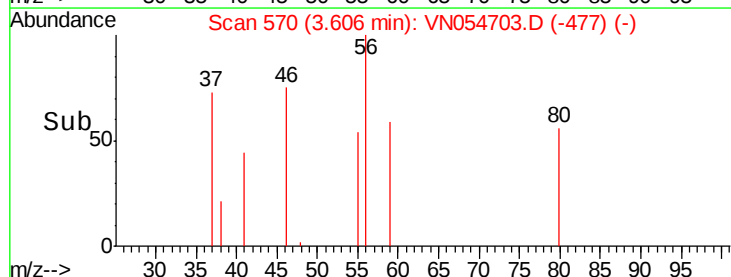
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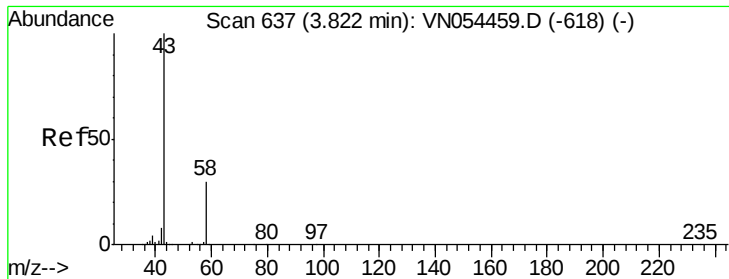
200

100

0

Time--> 3.58 3.60 3.62





#16

Acetone

Concen: 0.223 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN054703.D

Acq: 26 Mar 2019 18:15

Instrument :

MSVOA_N

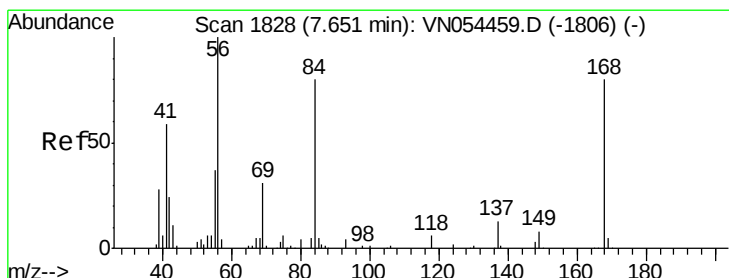
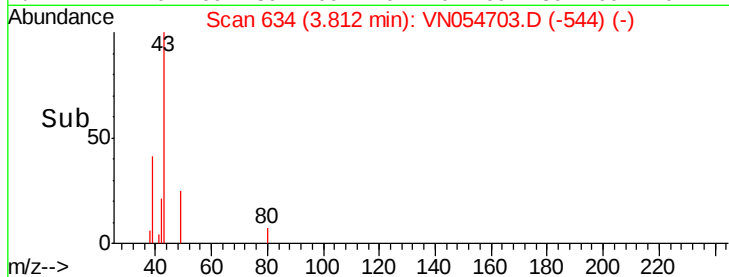
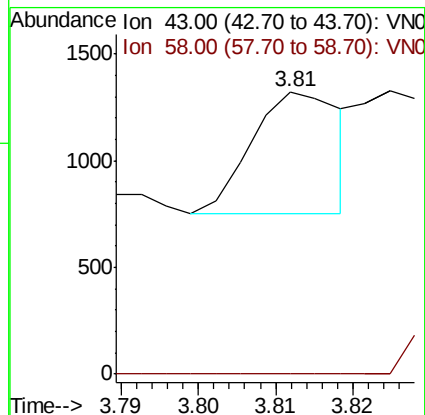
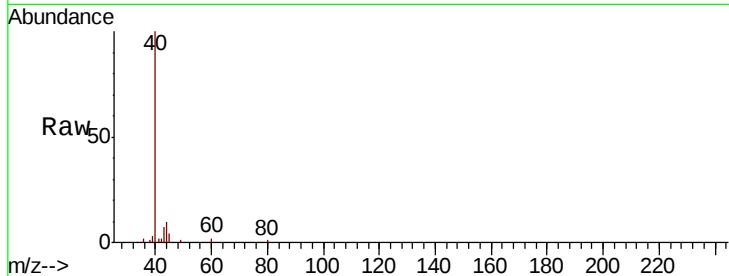
ClientSampleId :

Tot Ion: 43 Resp: 455

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054703.D

Acq: 26 Mar 2019 18:15

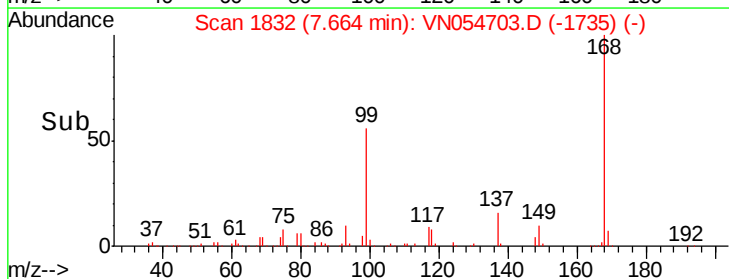
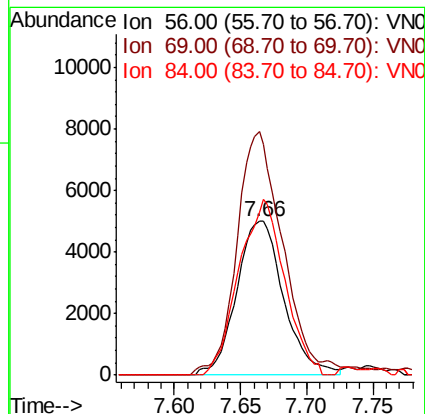
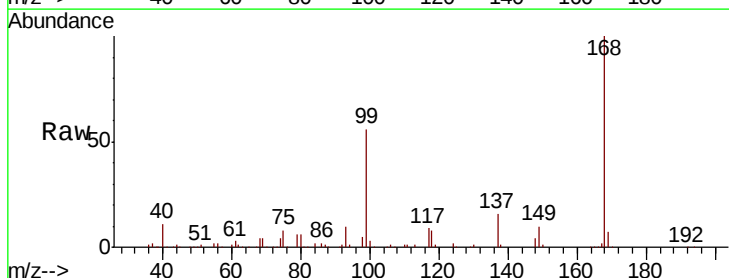
Tgt Ion: 56 Resp: 12341

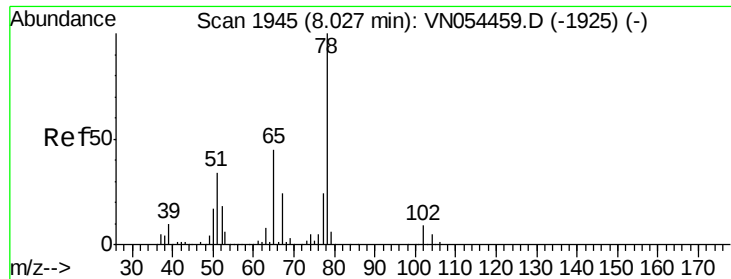
Ion Ratio Lower Upper

56 100

69 158.2 27.8 41.6#

84 105.9 74.6 111.8

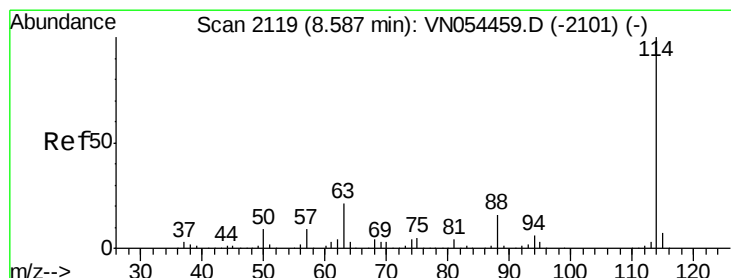
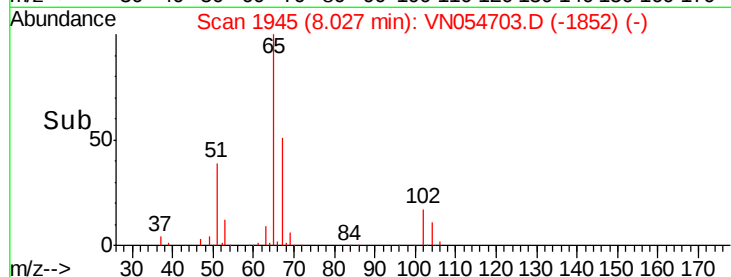
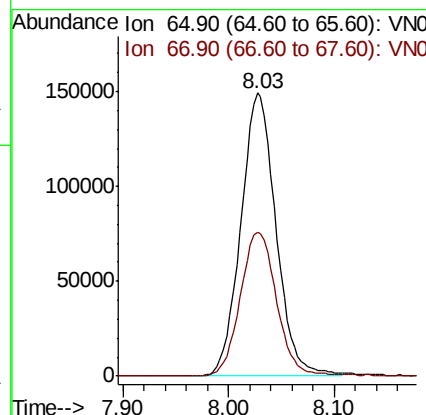
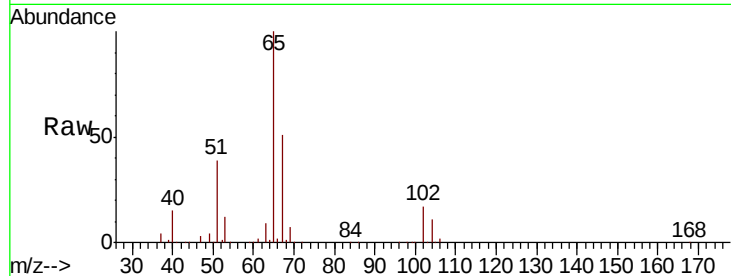




#33
 1,2-Dichloroethane-d4
 Concen: 50.799 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054703.D
 Acq: 26 Mar 2019 18:15

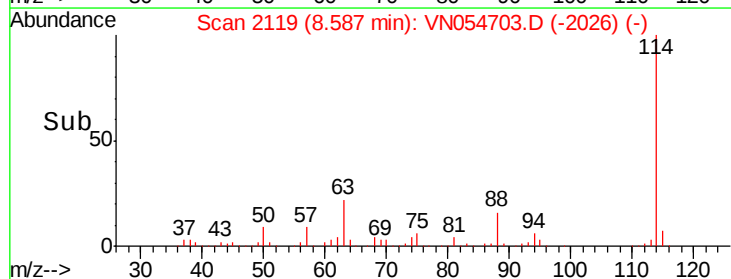
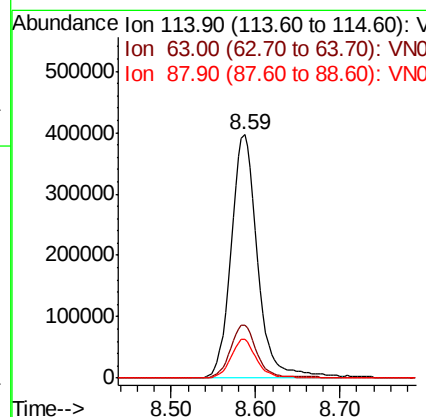
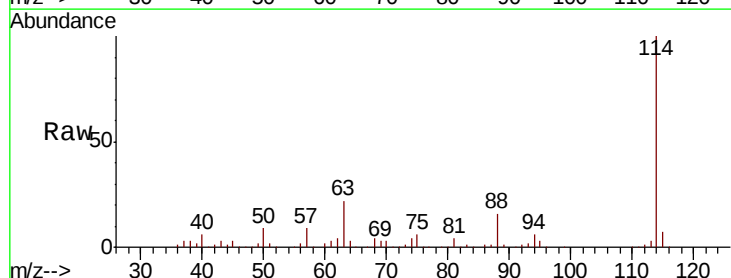
Instrument :
 MSVOA_N
 ClientSampleId :

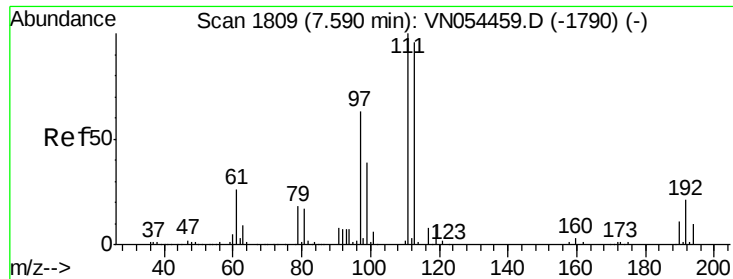
Tot Ion: 65 Resp: 345298
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054703.D
 Acq: 26 Mar 2019 18:15

Tgt Ion: 114 Resp: 866141
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 35.2
 88 16.1 0.0 30.2

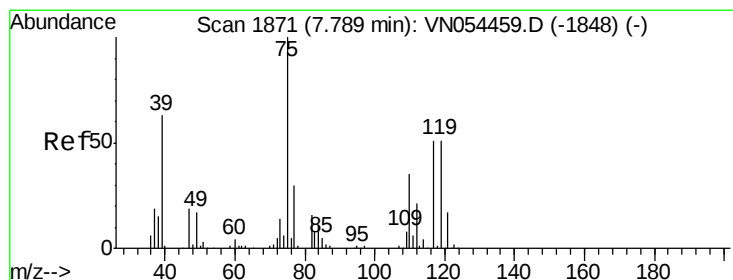
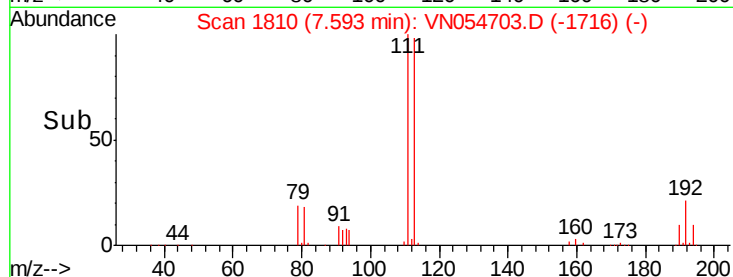
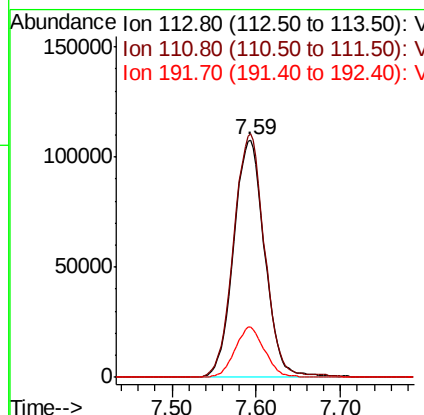
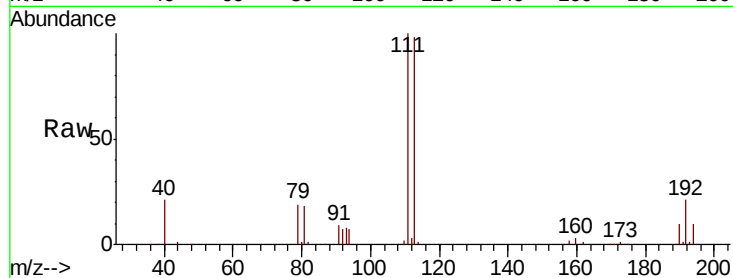




#35
 Dibromofluoromethane
 Concen: 49.330 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054703.D
 Acq: 26 Mar 2019 18:15

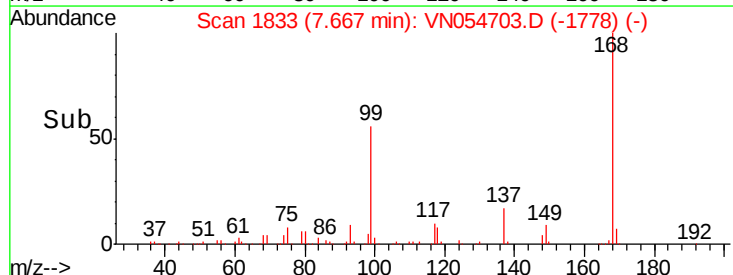
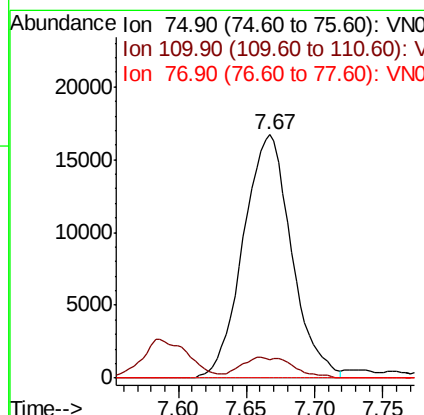
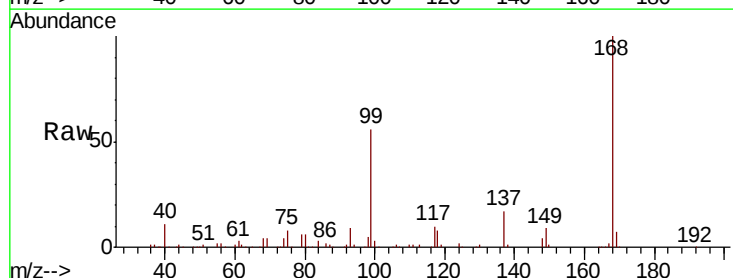
Instrument :
 MSVOA_N
 ClientSampled :

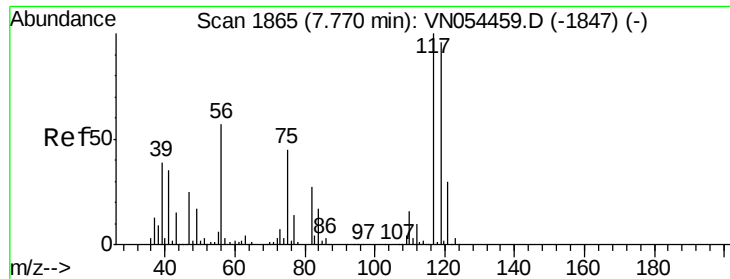
Tot Ion:113 Resp: 275269
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.4
 192 20.3 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 5.077 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054703.D
 Acq: 26 Mar 2019 18:15

Tgt Ion: 75 Resp: 41120
 Ion Ratio Lower Upper
 75 100
 110 3.9 19.1 57.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.547 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.10 min

Lab File: VN054703.D

Acq: 26 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampleId :

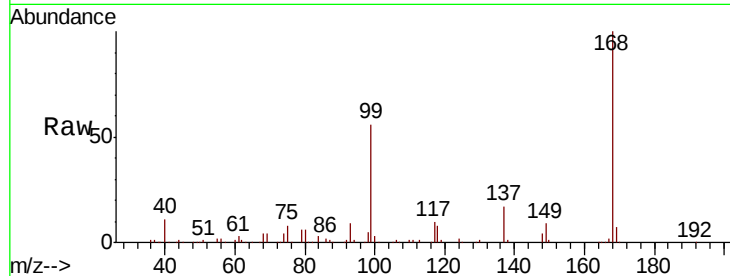
Tot Ion:117 Resp: 51527

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

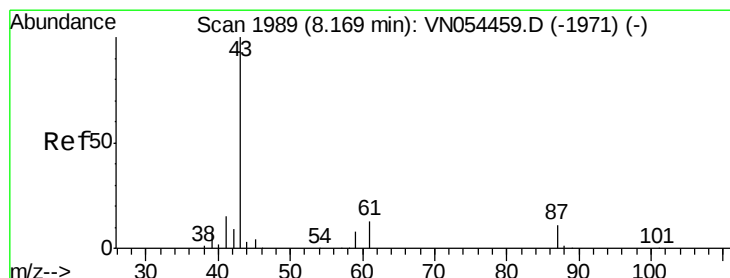
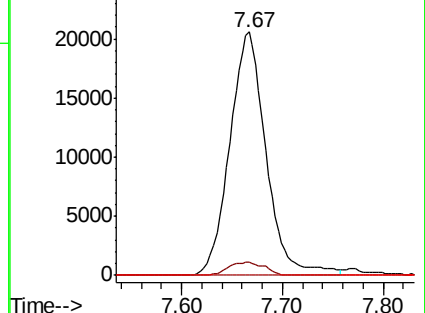
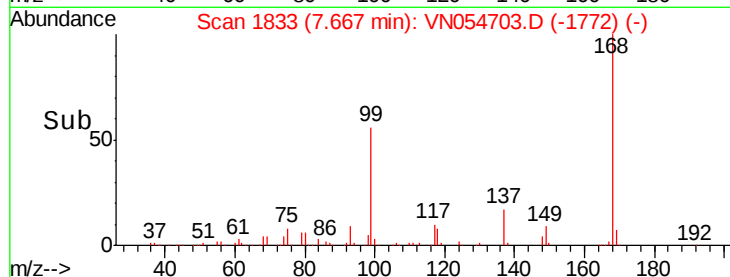
121 0.0 24.6 36.8#



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: 1.614 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.11 min

Lab File: VN054703.D

Acq: 26 Mar 2019 18:15

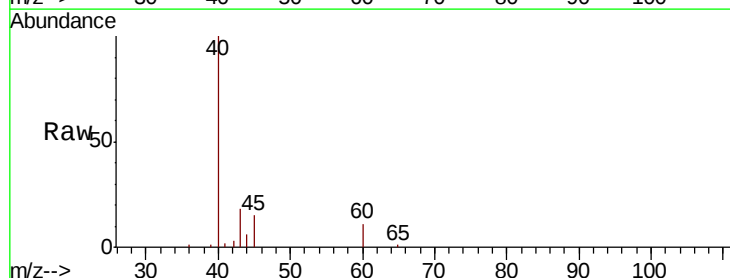
Tgt Ion: 43 Resp: 15700

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

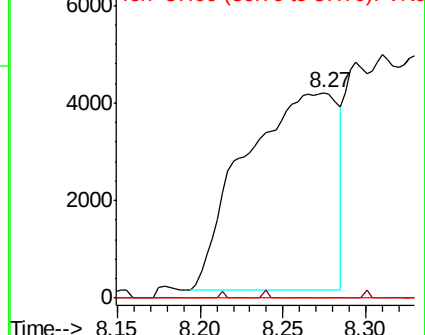
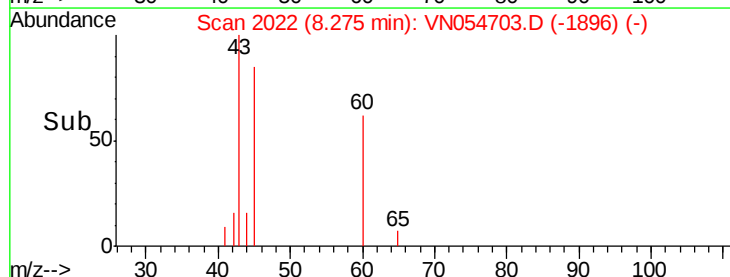
87 0.0 12.0 18.0#

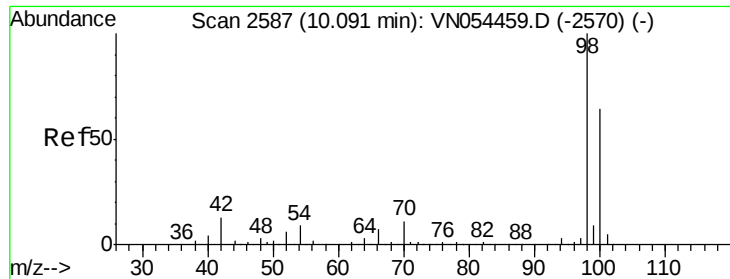


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 49.599 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054703.D

Acq: 26 Mar 2019 18:15

Instrument :

MSVOA_N

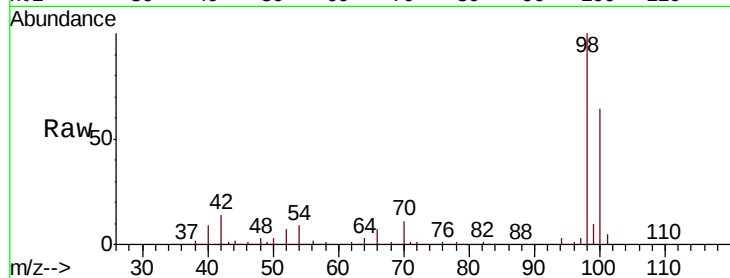
ClientSampled :

Tot Ion: 98 Resp: 1040479

Ion Ratio Lower Upper

98 100

100 63.9 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

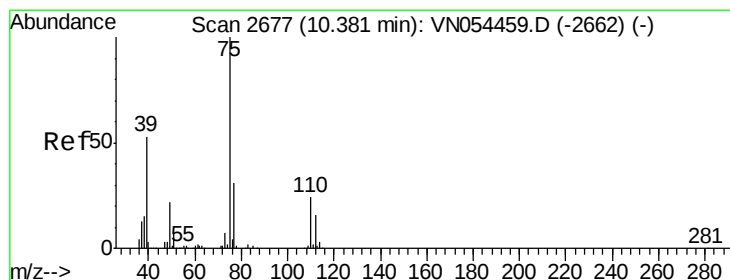
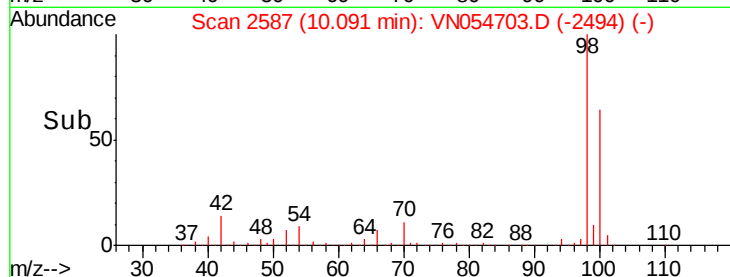
300000

200000

100000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.240 ug/l

RT: 10.10 min Scan# 2591

Delta R.T. -0.28 min

Lab File: VN054703.D

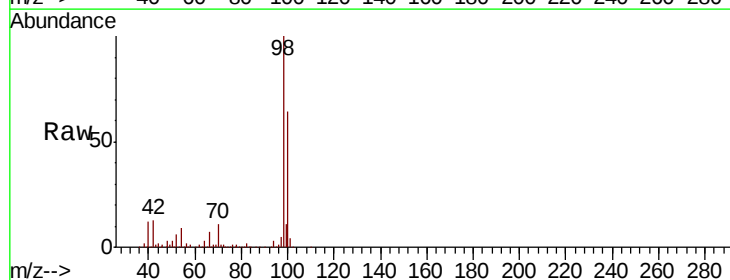
Acq: 26 Mar 2019 18:15

Tgt Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

77 150.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-2662) (-)

Ion 76.90 (76.60 to 77.60): VN054459.D (-2662) (-)

600

500

400

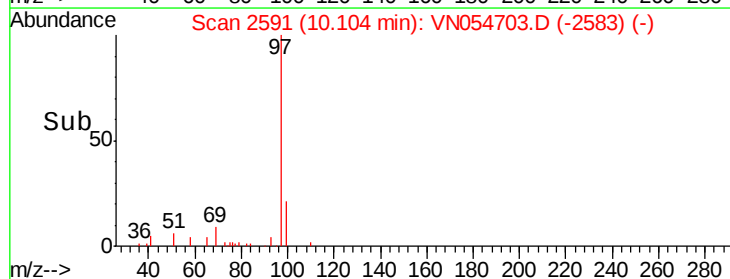
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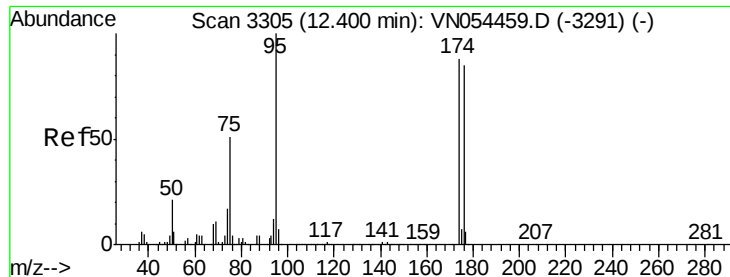
200

100

0

Time-->

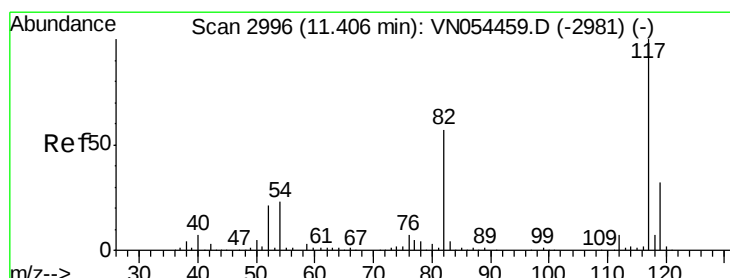
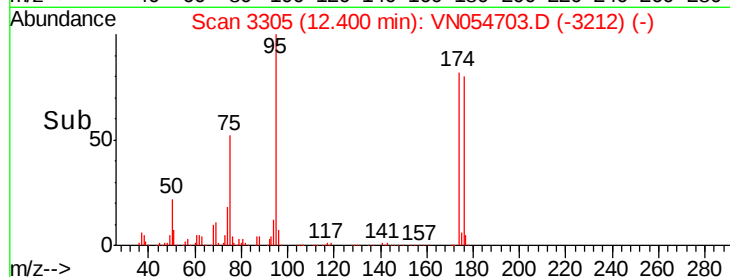
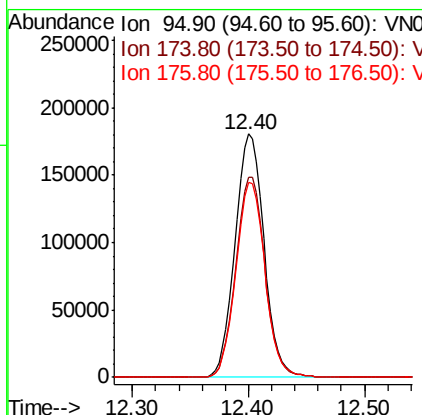
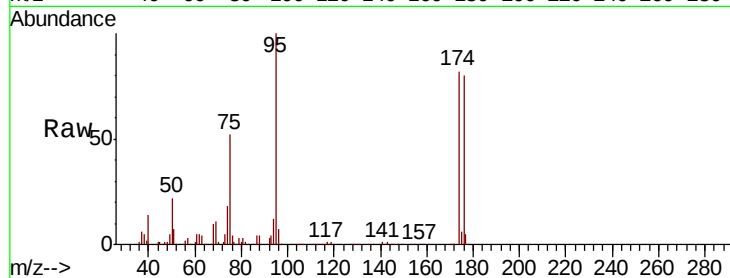




#62
4-Bromofluorobenzene
Concen: 43.688 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054703.D
Acq: 26 Mar 2019 18:15

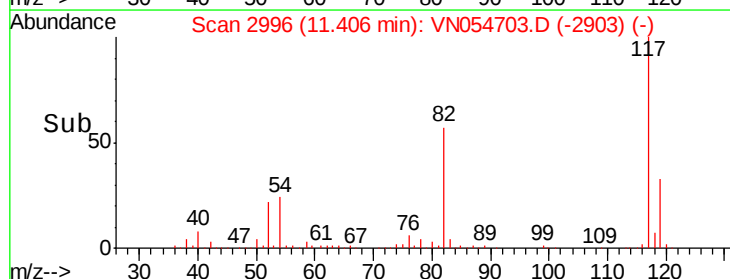
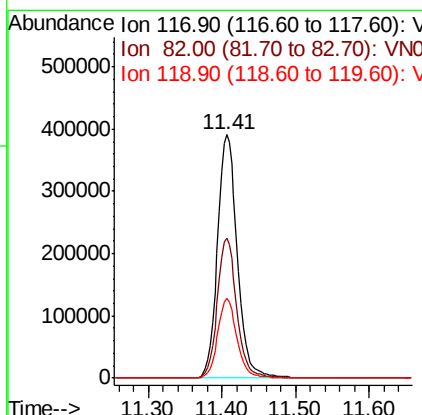
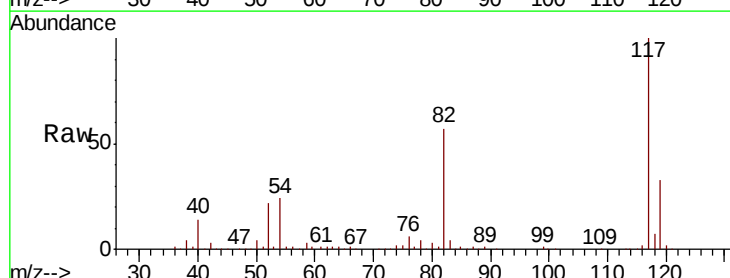
Instrument :
MSVOA_N
ClientSampleId :

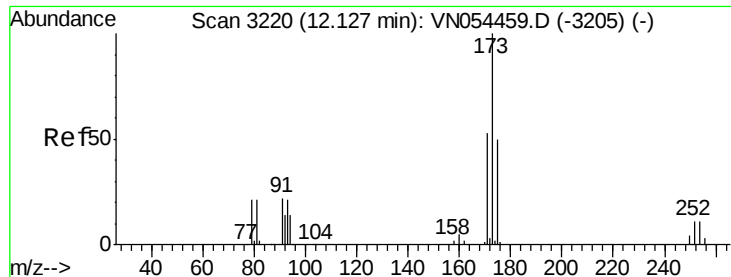
Tot Ion: 95 Resp: 311859
Ion Ratio Lower Upper
95 100
174 82.9 0.0 191.0
176 80.5 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054703.D
Acq: 26 Mar 2019 18:15

Tgt Ion: 117 Resp: 726289
Ion Ratio Lower Upper
117 100
82 57.5 40.0 60.0
119 32.5 25.8 38.6





#71

Bromoform

Concen: 2.610 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN054703.D

Acq: 26 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampled :

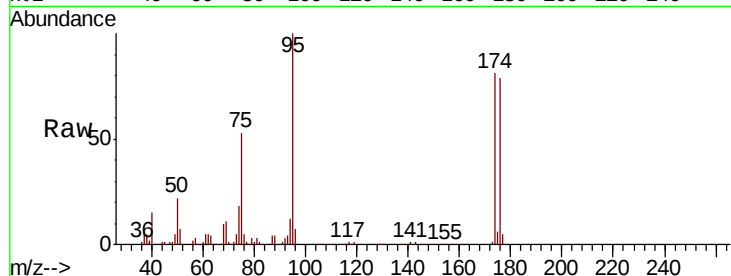
Tot Ion:173 Resp: 1491

Ion Ratio Lower Upper

173 100

175 1127.9 24.4 73.2#

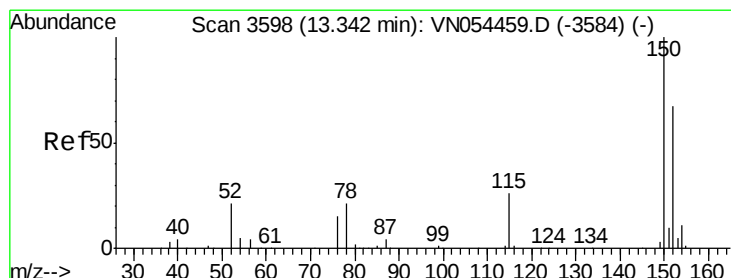
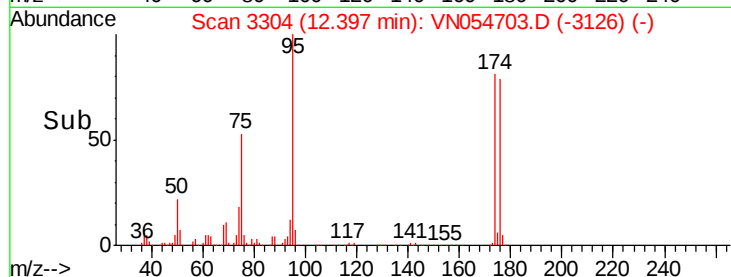
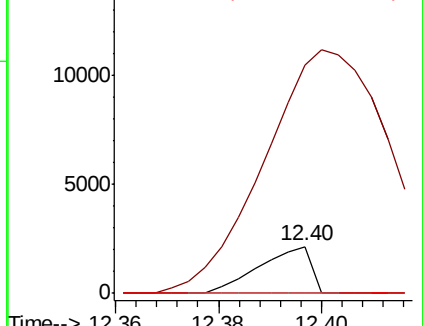
254 0.0 0.1 0.1#



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: VN054703.D

Acq: 26 Mar 2019 18:15

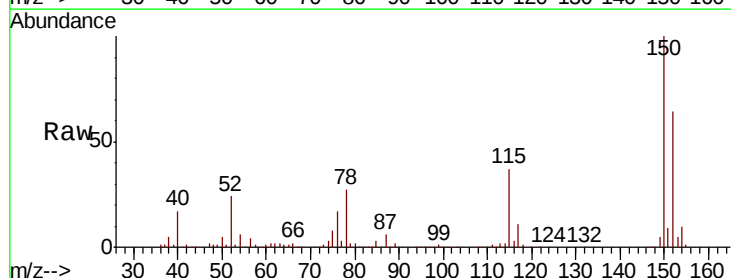
Tgt Ion:152 Resp: 245153

Ion Ratio Lower Upper

152 100

115 58.3 27.2 81.6

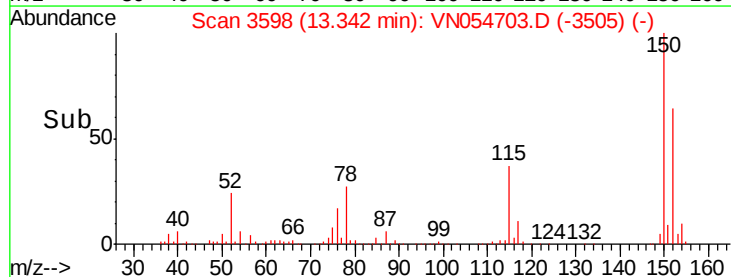
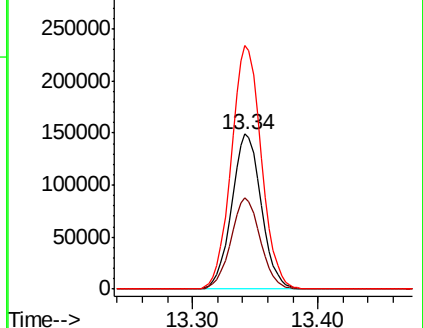
150 158.9 0.0 349.2

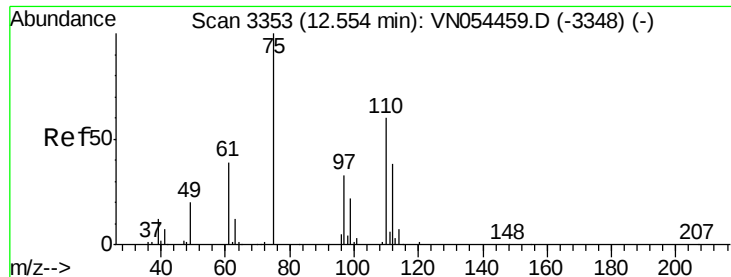


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 41.582 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054703.D

Acq: 26 Mar 2019 18:15

Instrument :

MSVOA_N

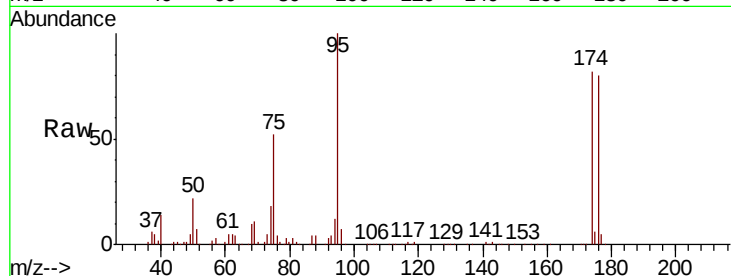
ClientSampled :

Tot Ion: 75 Resp: 161761

Ion Ratio Lower Upper

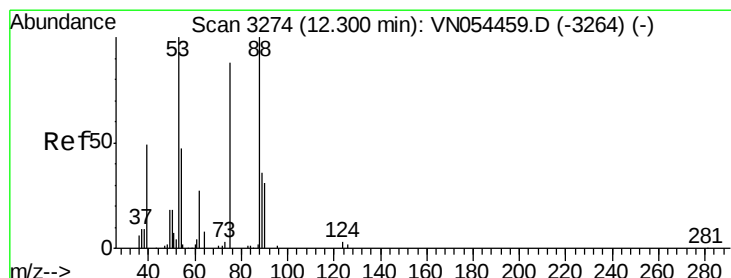
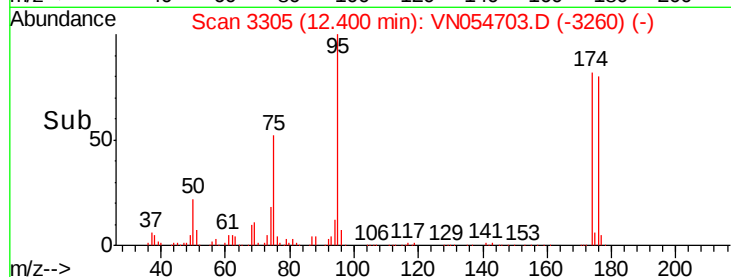
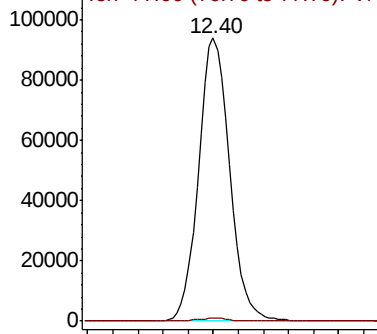
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 137.425 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054703.D

Acq: 26 Mar 2019 18:15

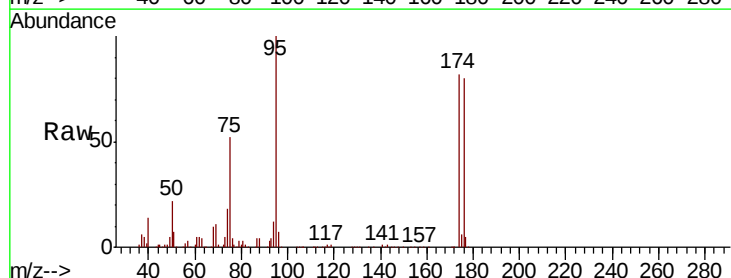
Tgt Ion: 75 Resp: 161761

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

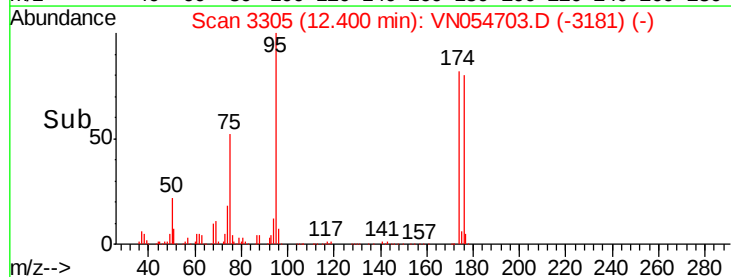
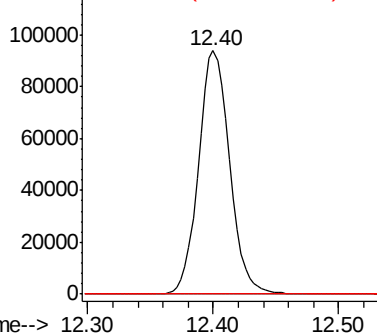
89 0.0 39.2 58.8#

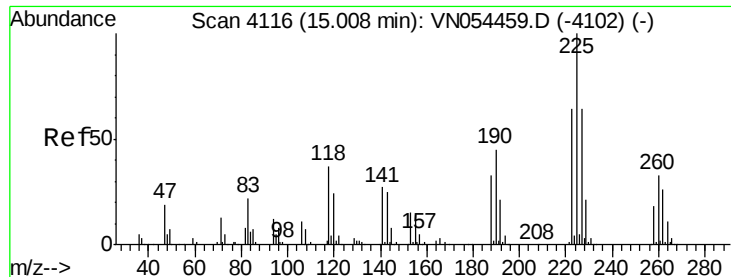


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN054703.D

Acq: 26 Mar 2019 18:15

Instrument :

MSVOA_N

ClientSampled :

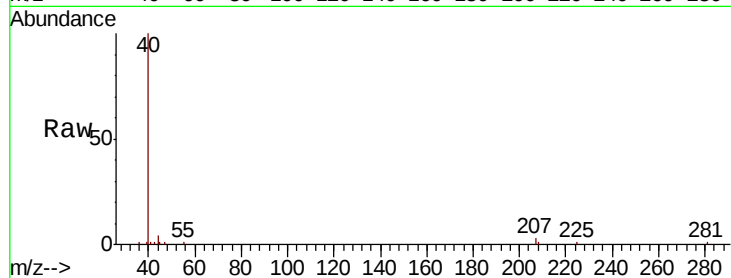
Tot Ion:225 Resp: 109

Ion Ratio Lower Upper

225 100

223 0.0 31.1 93.5#

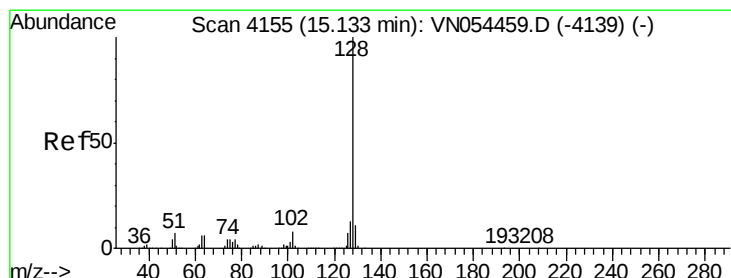
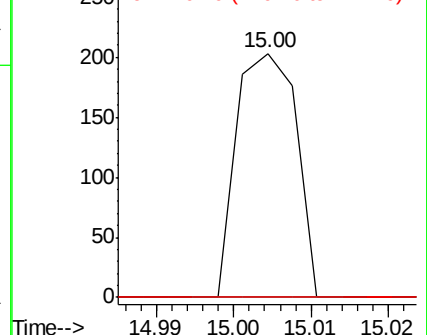
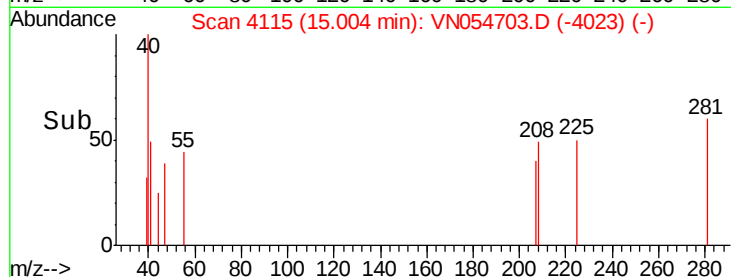
227 0.0 31.9 95.9#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.231 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054703.D

Acq: 26 Mar 2019 18:15

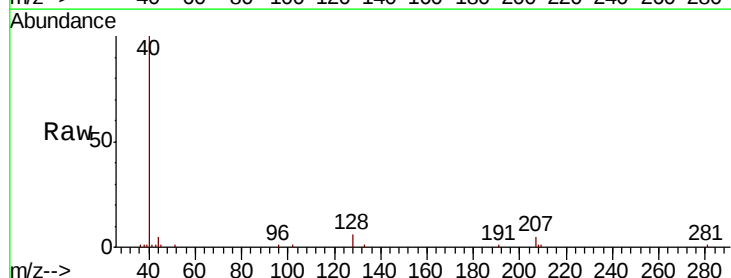
Tgt Ion:128 Resp: 2020

Ion Ratio Lower Upper

128 100

127 3.3 10.1 15.1#

129 3.0 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

