

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
 Data File : VN053972.D
 Acq On : 27 Feb 2019 16:53
 Operator : JC/SP
 Sample : VN0227WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 28 00:09:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	535331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1001389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	972424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	345352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	365232	58.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.40%	
35) Dibromofluoromethane	7.59	113	329284	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.09	98	1266042	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	12.40	95	419052	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	

Target Compounds

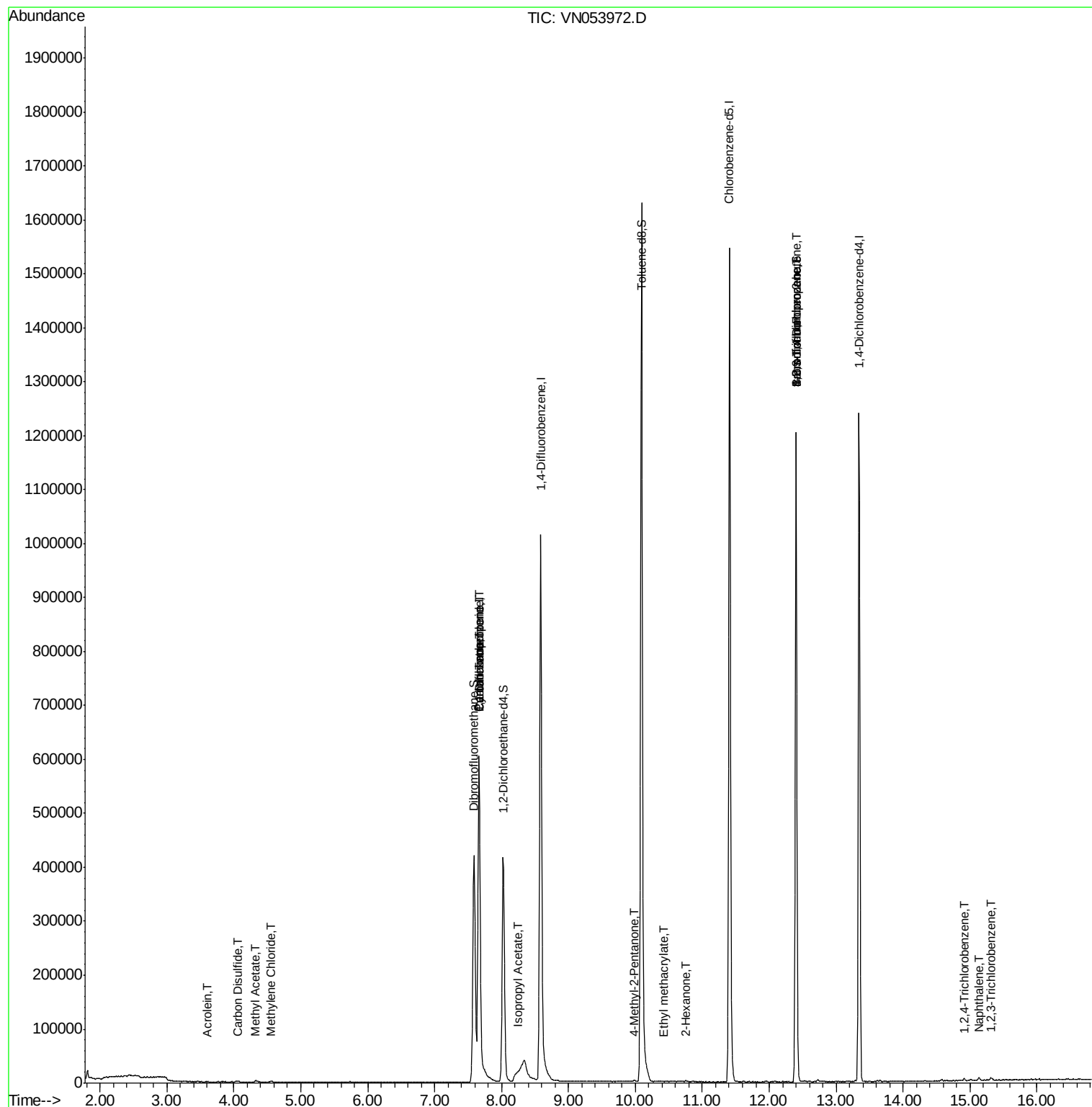
					Qvalue	
13) Acrolein	3.60	56	121	0.294	ug/l #	1
16) Acetone	3.82	43	794	Below Cal	#	40
17) Carbon Disulfide	4.05	76	4110	0.241	ug/l	97
18) Methyl Acetate	4.33	43	4193	0.956	ug/l #	87
20) Methylene Chloride	4.55	84	1246	0.201	ug/l	92
31) Cyclohexane	7.66	56	10221	0.614	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	38766	4.163	ug/l #	47
38) Carbon Tetrachloride	7.66	117	48344	4.991	ug/l #	16
43) Isopropyl Acetate	8.23	43	17906	1.595	ug/l #	60
51) 4-Methyl-2-Pentanone	9.99	43	1261	0.219	ug/l #	34
56) Ethyl methacrylate	10.43	69	65	1.963	ug/l #	1
59) 2-Hexanone	10.75	43	2220	0.592	ug/l #	59
71) Bromoform	12.40	173	3313	0.644	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	201749	36.416	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	201749	115.099	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	1575	2.460	ug/l	92
95) Naphthalene	15.14	128	4799	3.540	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.32	180	2416	1.942	ug/l	85

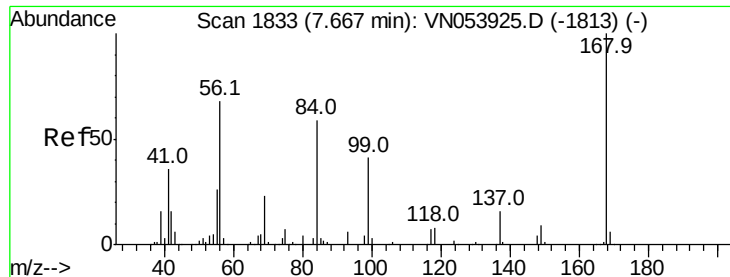
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022719\
Data File : VN053972.D
Acq On : 27 Feb 2019 16:53
Operator : JC/SP
Sample : VN0227WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Feb 28 00:09:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 05:37:40 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: VN053972.D

Acq: 27 Feb 2019 16:53

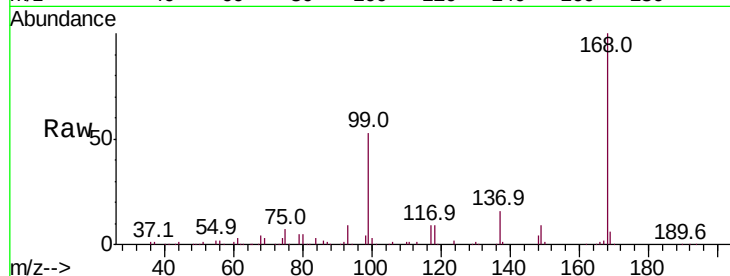
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 535331

Ion Ratio Lower Upper

168 100

99 52.5 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): VN053972.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053972.D (-1740) (-)

7.66

250000

200000

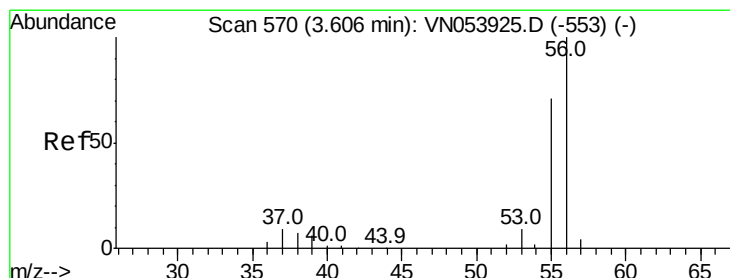
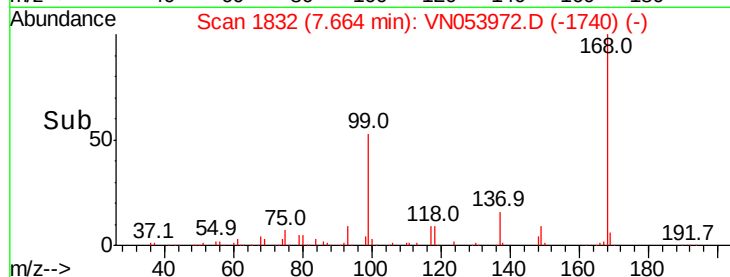
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.294 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053972.D

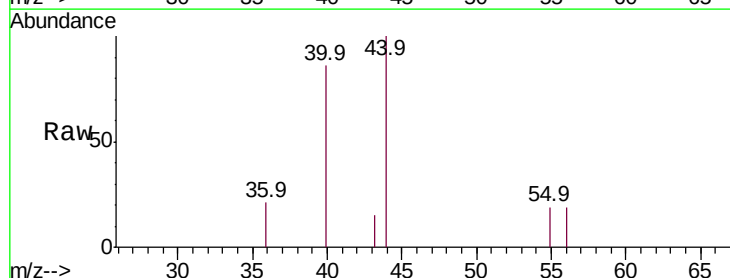
Acq: 27 Feb 2019 16:53

Tgt Ion: 56 Resp: 121

Ion Ratio Lower Upper

56 100

55 224.8 56.3 84.5#



Abundance Ion 56.00 (55.70 to 56.70): VN053972.D (-476) (-)

Ion 55.00 (54.70 to 55.70): VN053972.D (-476) (-)

3.60

250

200

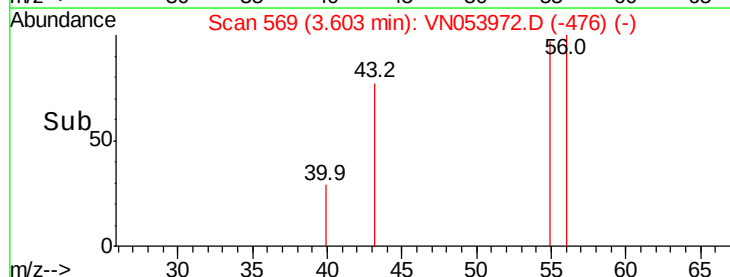
150

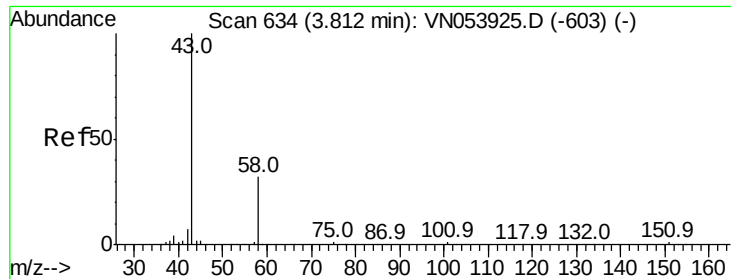
100

50

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053972.D

Acq: 27 Feb 2019 16:53

Instrument :

MSVOA_N

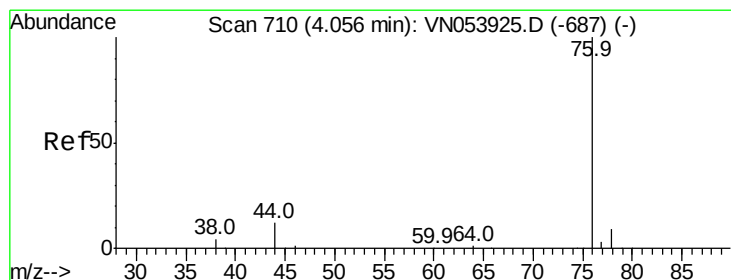
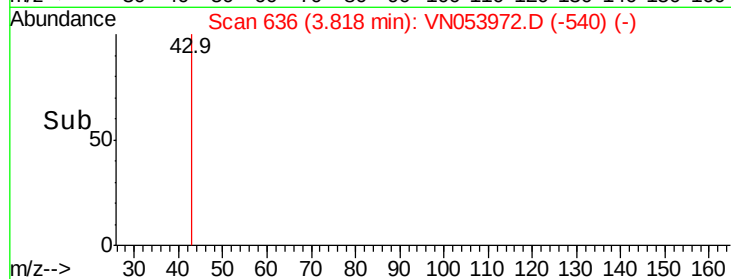
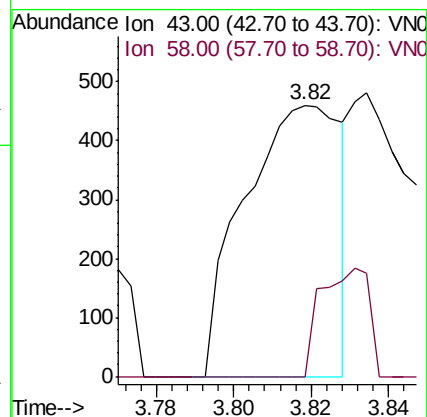
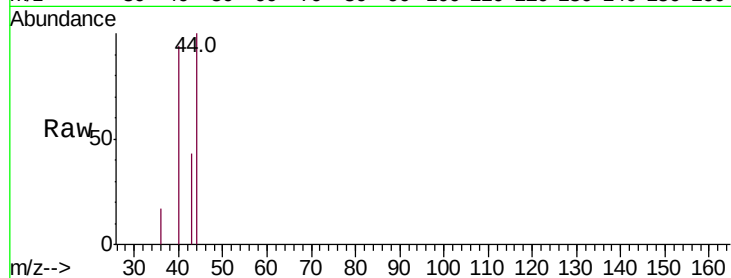
ClientSampleId :

Tot Ion: 43 Resp: 794

Ion Ratio Lower Upper

43 100

58 0.0 27.6 41.4#



#17

Carbon Disulfide

Concen: 0.241 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN053972.D

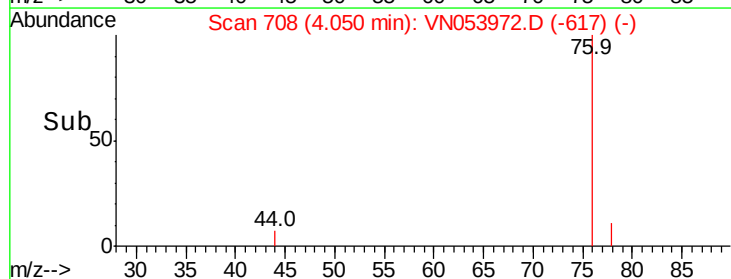
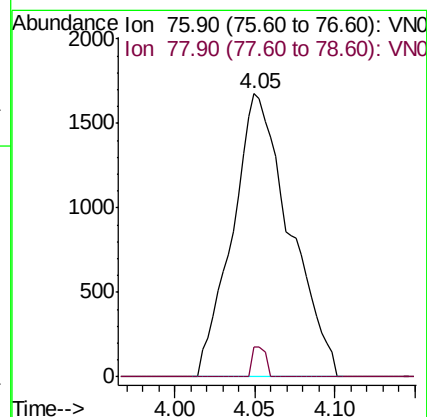
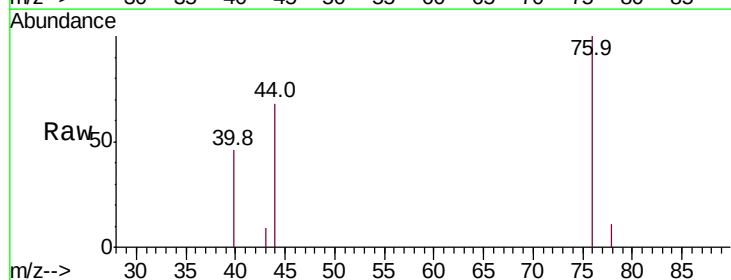
Acq: 27 Feb 2019 16:53

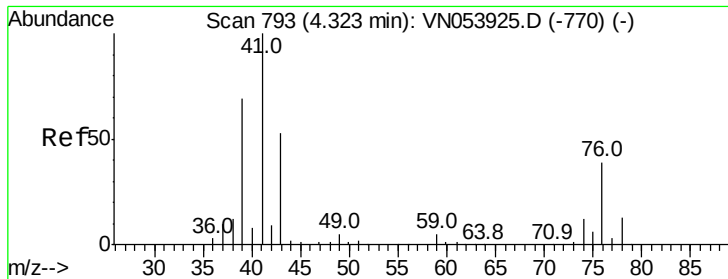
Tgt Ion: 76 Resp: 4110

Ion Ratio Lower Upper

76 100

78 10.6 7.5 11.3





#18

Methyl Acetate

Concen: 0.956 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN053972.D

Acq: 27 Feb 2019 16:53

Instrument :

MSVOA_N

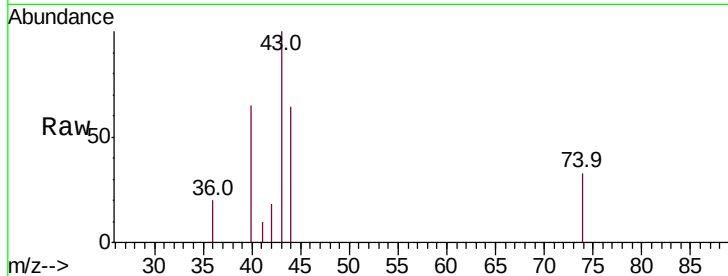
ClientSampleId :

Tot Ion: 43 Resp: 4193

Ion Ratio Lower Upper

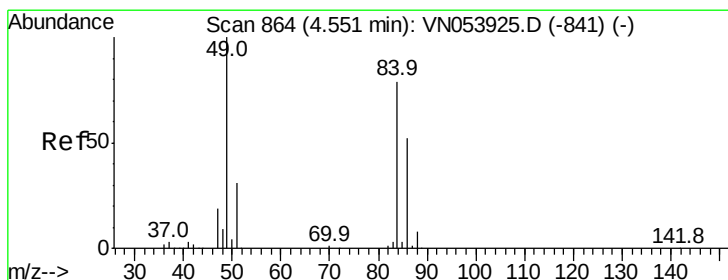
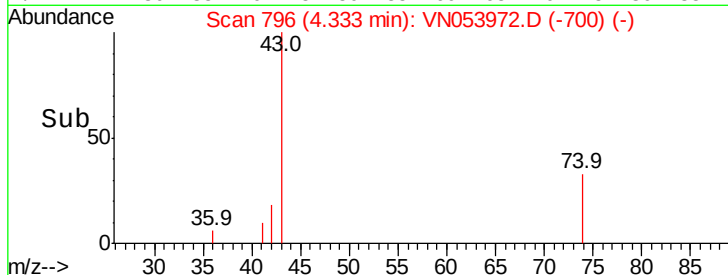
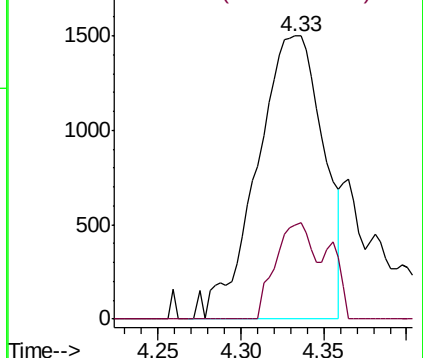
43 100

74 18.9 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#20

Methylene Chloride

Concen: 0.201 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053972.D

Acq: 27 Feb 2019 16:53

Tgt Ion: 84 Resp: 1246

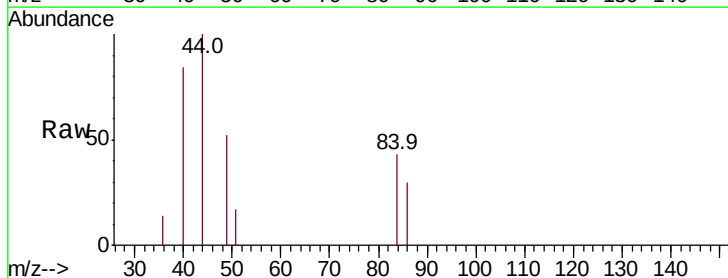
Ion Ratio Lower Upper

84 100

49 121.6 89.7 134.5

51 40.4 27.8 41.8

86 69.3 51.3 76.9

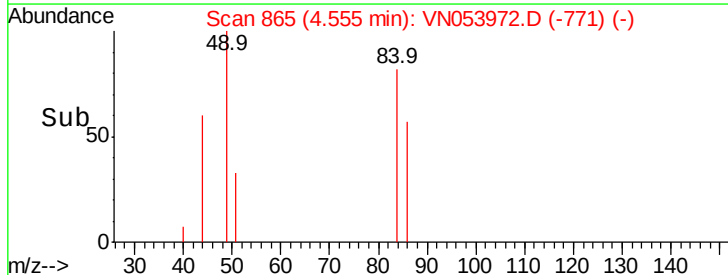
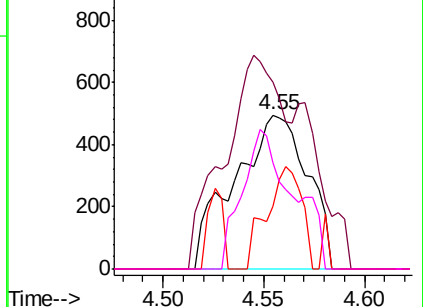


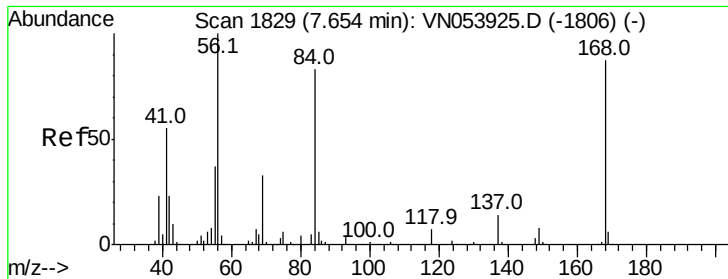
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

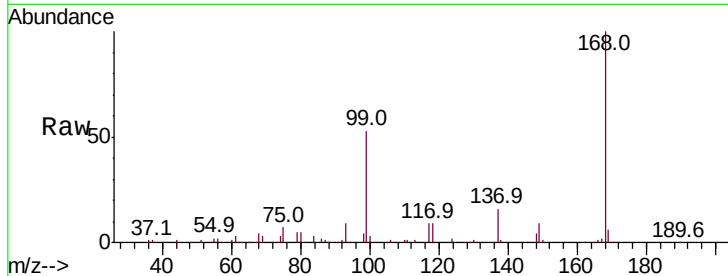




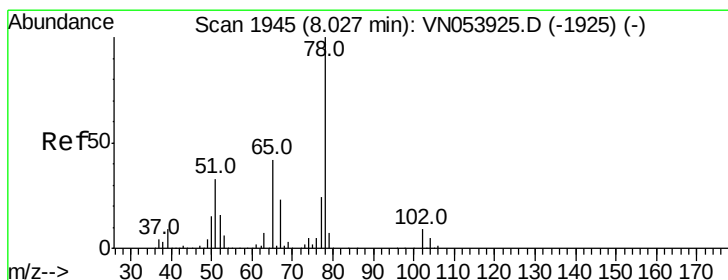
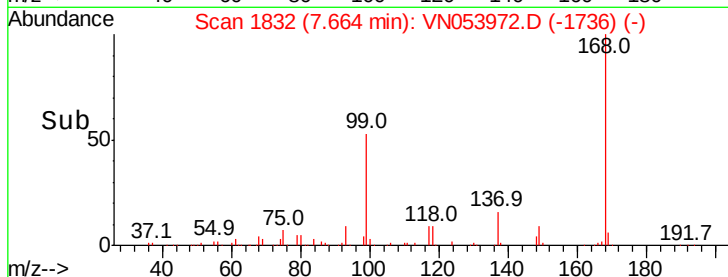
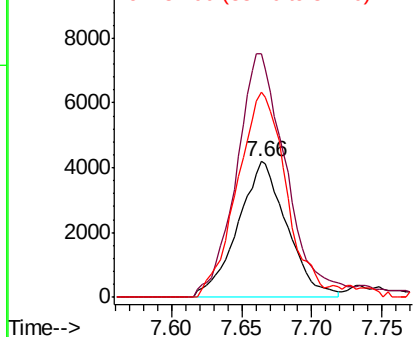
#31
Cyclohexane
Concen: 0.614 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053972.D
Acq: 27 Feb 2019 16:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 10221
Ion Ratio Lower Upper
56 100
69 179.3 26.0 39.0#
84 151.1 69.1 103.7#

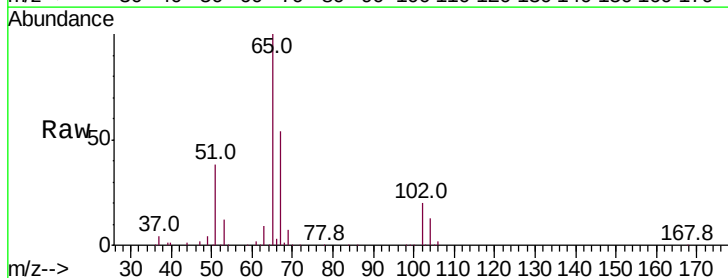


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

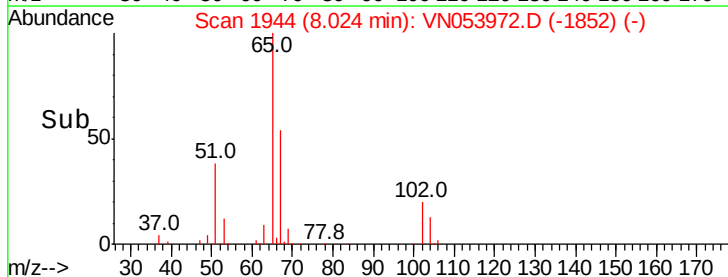
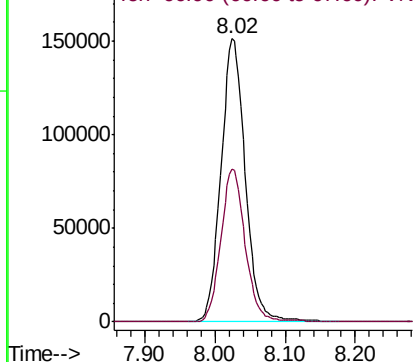


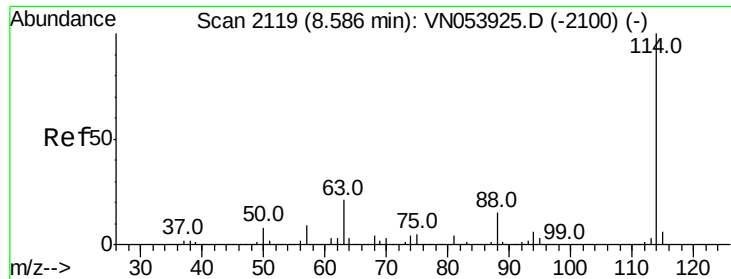
#33
1,2-Dichloroethane-d4
Concen: 58.202 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN053972.D
Acq: 27 Feb 2019 16:53

Tgt Ion: 65 Resp: 365232
Ion Ratio Lower Upper
65 100
67 54.0 0.0 111.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN053972.D

Acq: 27 Feb 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

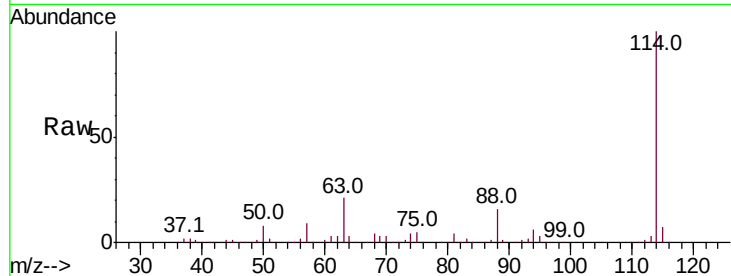
Tot Ion:114 Resp: 1001389

Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

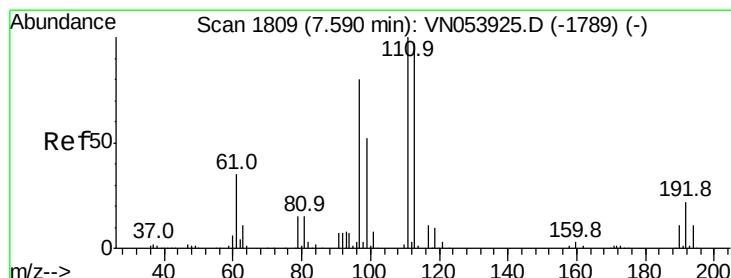
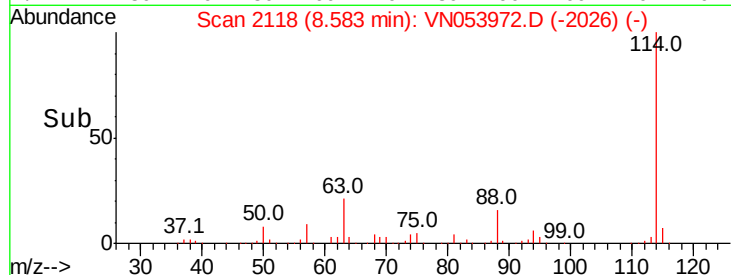
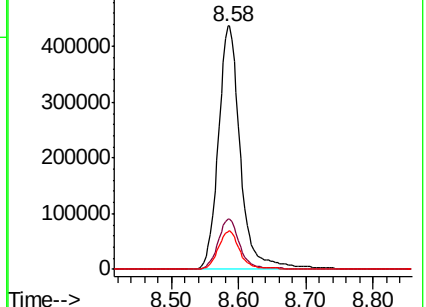
88 15.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.850 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053972.D

Acq: 27 Feb 2019 16:53

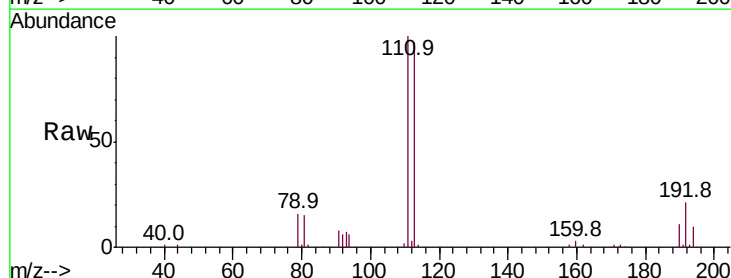
Tgt Ion:113 Resp: 329284

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

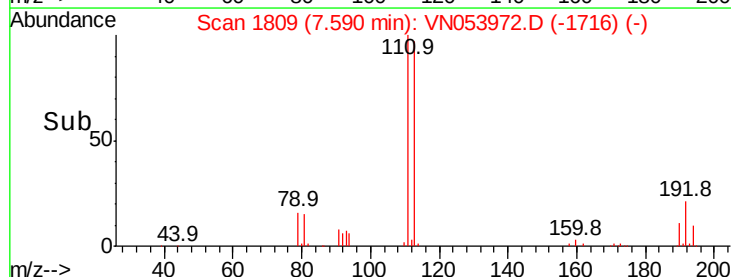
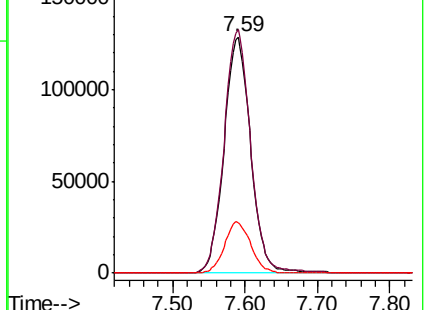
192 21.5 18.8 28.2

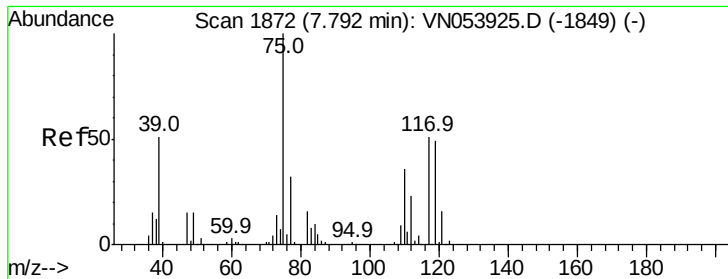


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

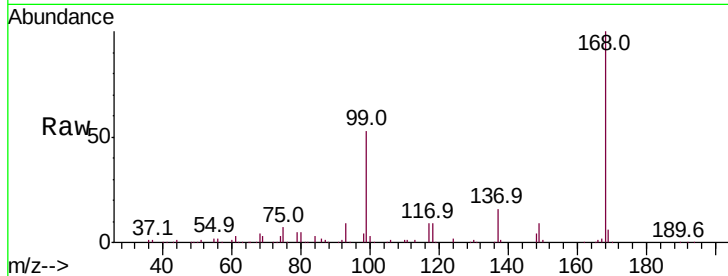




#36
 1,1-Dichloropropene
 Concen: 4.163 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053972.D
 Acq: 27 Feb 2019 16:53

Instrument :
 MSVOA_N
 ClientSampled :

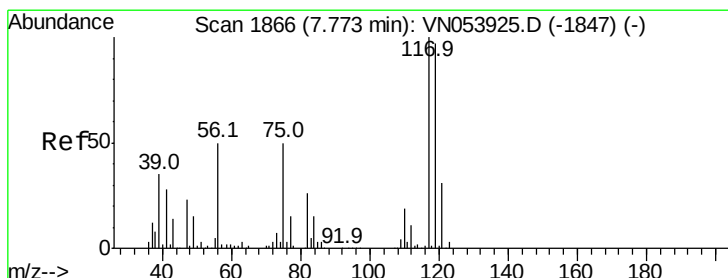
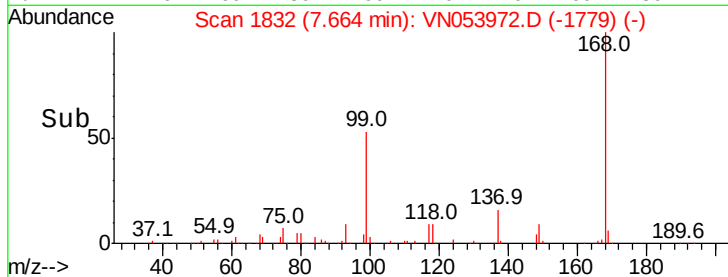
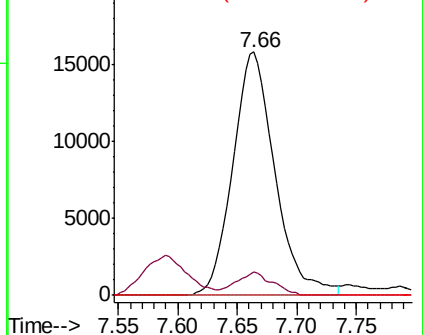
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	19.0	57.0#
77	0.0	25.4	38.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053972.D (-1779) (-)

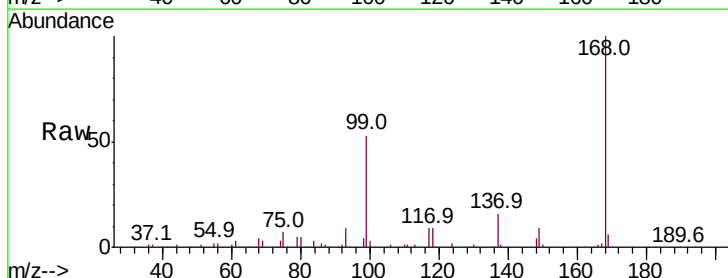
Ion 109.90 (109.60 to 110.60): VN053972.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN053972.D (-1779) (-)



#38
 Carbon Tetrachloride
 Concen: 4.991 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN053972.D
 Acq: 27 Feb 2019 16:53

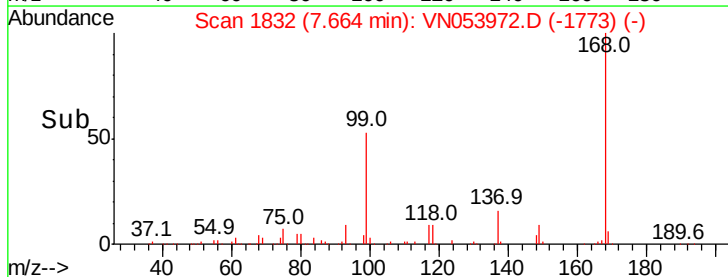
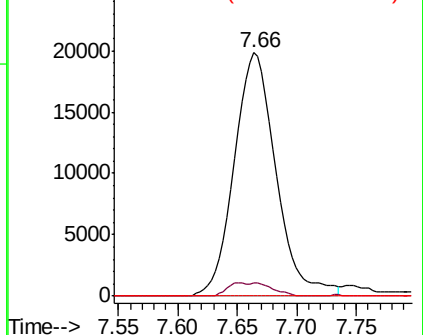
Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.2	114.2#
121	0.0	24.6	36.8#

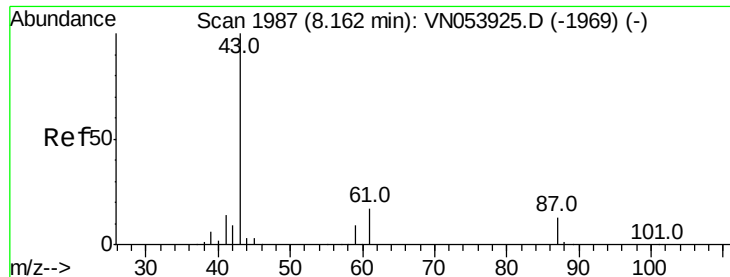


Abundance Ion 116.80 (116.50 to 117.50): VN053972.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053972.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053972.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 1.595 ug/l

RT: 8.23 min Scan# 2009

Delta R.T. 0.07 min

Lab File: VN053972.D

Acq: 27 Feb 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

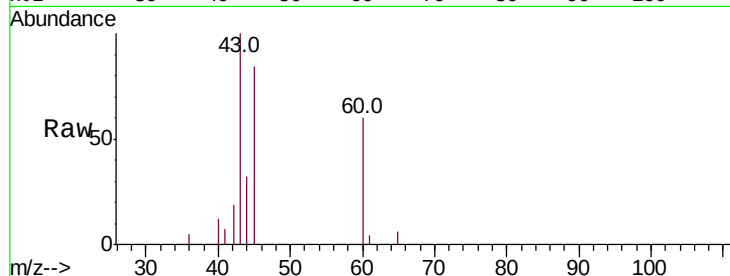
Tot Ion: 43 Resp: 17906

Ion Ratio Lower Upper

43 100

61 1.4 17.4 26.0#

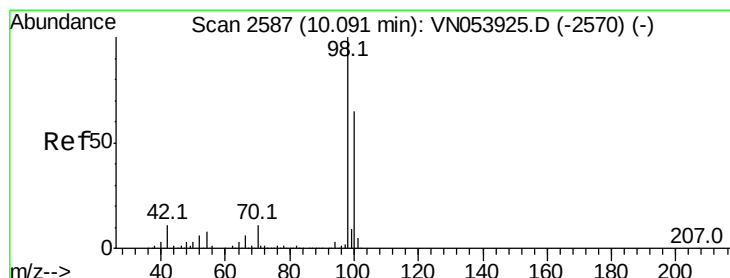
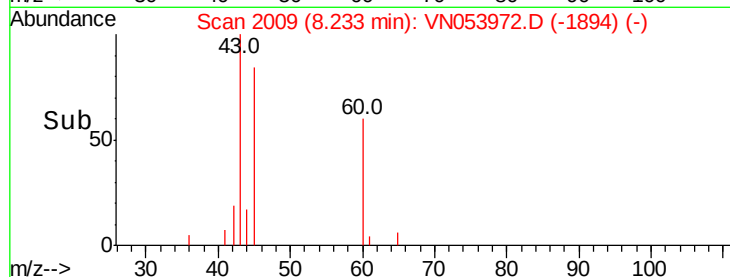
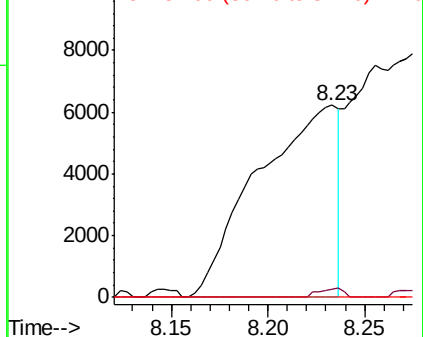
87 0.0 11.5 17.3#



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: 52.520 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053972.D

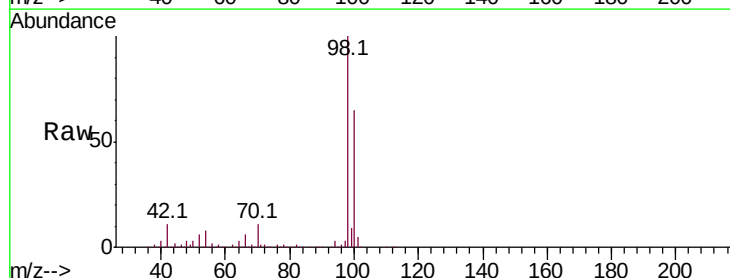
Acq: 27 Feb 2019 16:53

Tgt Ion: 98 Resp: 1266042

Ion Ratio Lower Upper

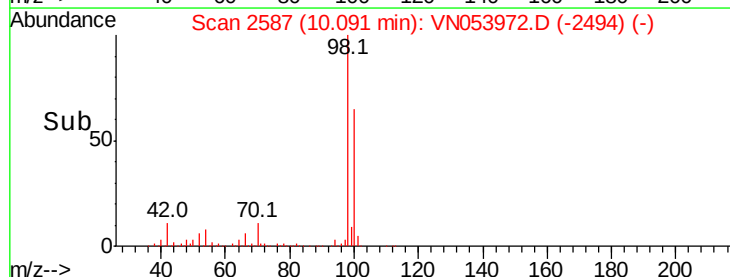
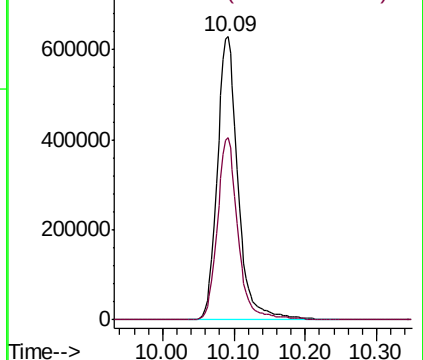
98 100

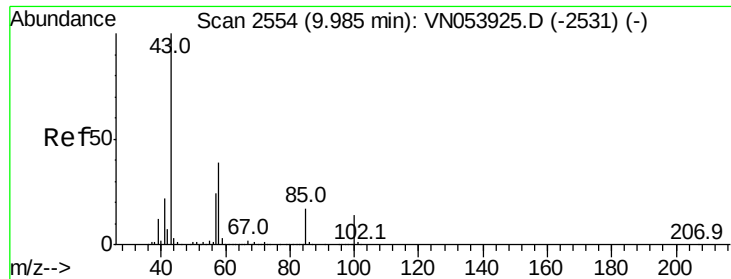
100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.219 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053972.D

Acq: 27 Feb 2019 16:53

Instrument :

MSVOA_N

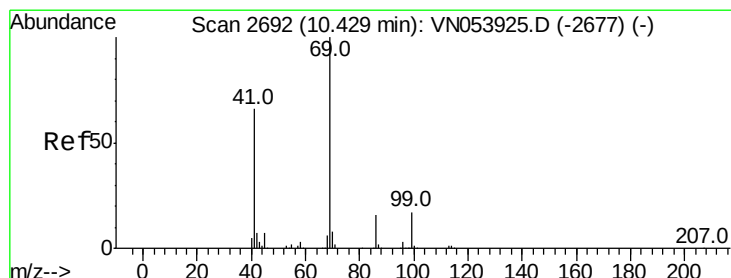
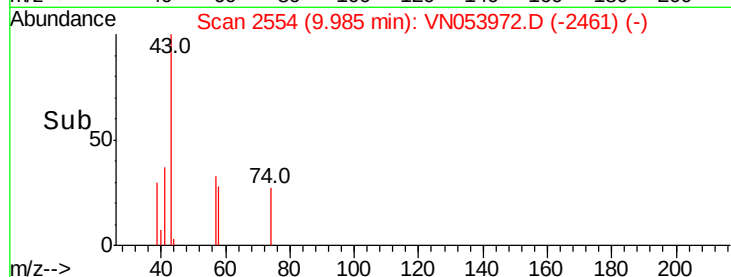
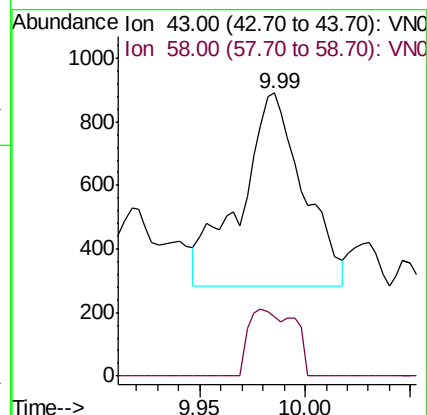
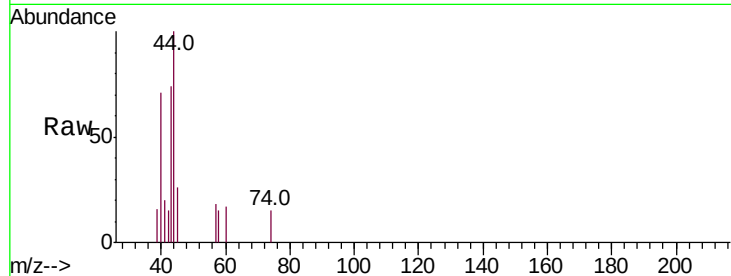
ClientSampled :

Tot Ion: 43 Resp: 1261

Ion Ratio Lower Upper

43 100

58 0.0 32.7 49.1#



#56

Ethyl methacrylate

Concen: 1.963 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN053972.D

Acq: 27 Feb 2019 16:53

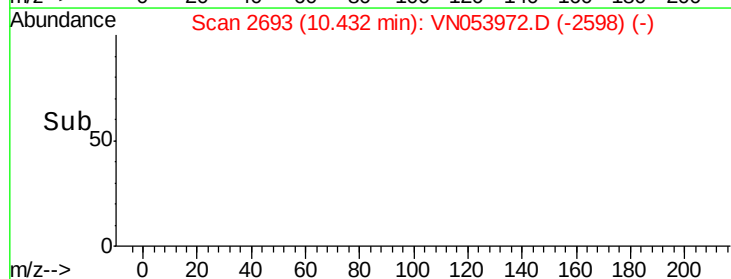
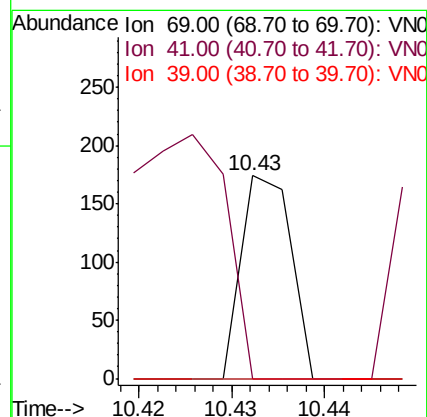
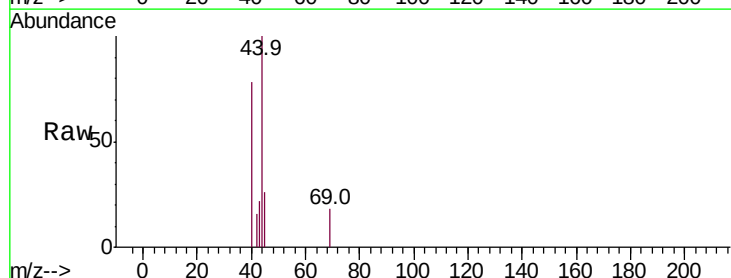
Tgt Ion: 69 Resp: 65

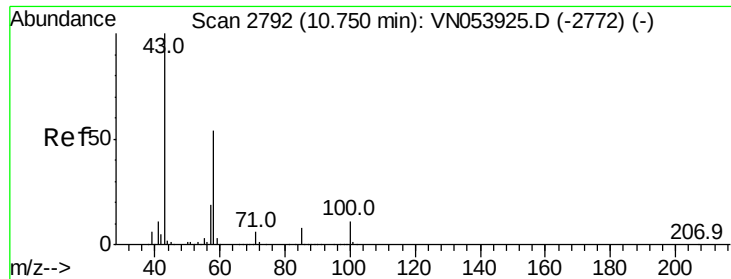
Ion Ratio Lower Upper

69 100

41 269.2 47.5 71.3#

39 0.0 23.4 35.0#

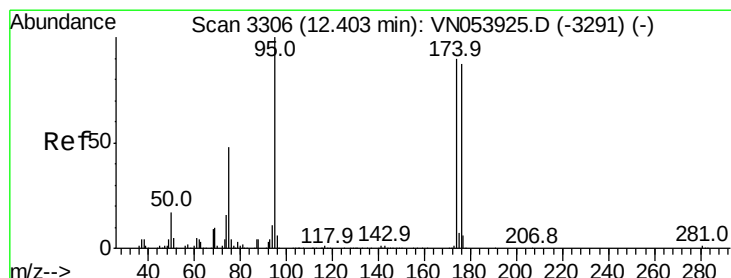
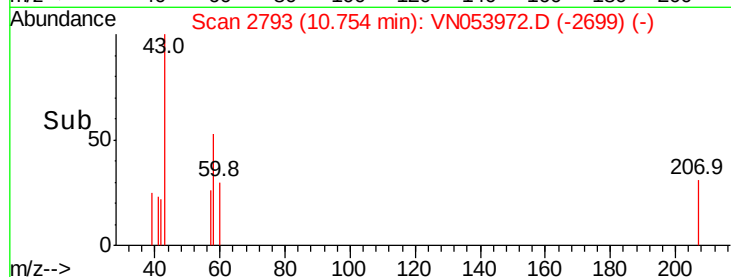
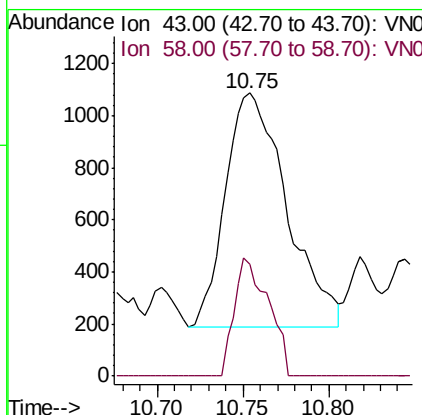
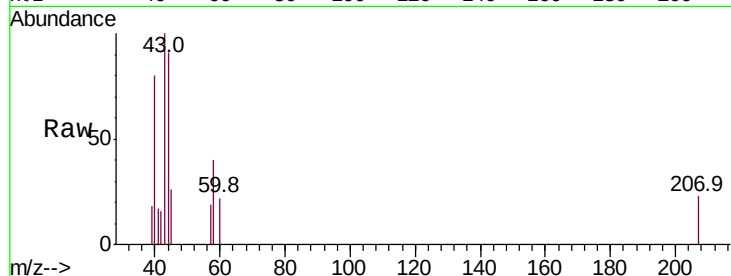




#59
2-Hexanone
Concen: 0.592 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053972.D
Acq: 27 Feb 2019 16:53

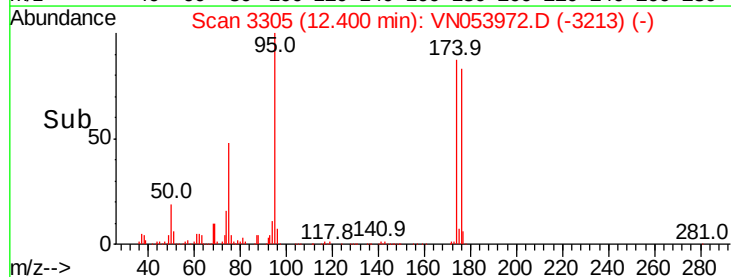
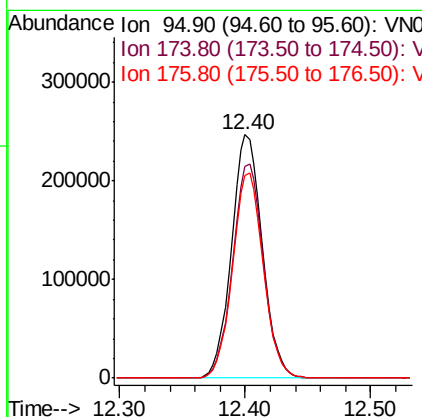
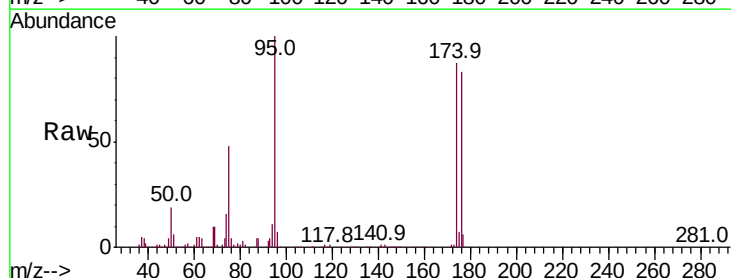
Instrument :
MSVOA_N
ClientSampled :

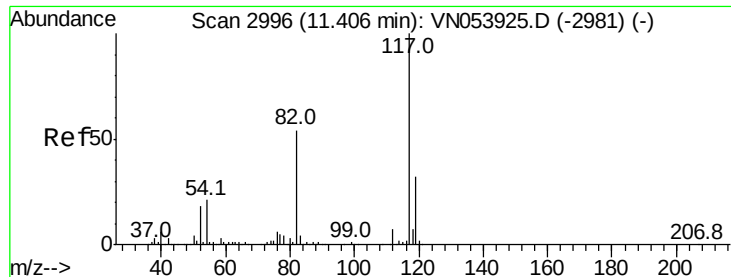
Tot Ion: 43 Resp: 2220
Ion Ratio Lower Upper
43 100
58 28.1 29.1 87.4#



#62
4-Bromofluorobenzene
Concen: 52.177 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053972.D
Acq: 27 Feb 2019 16:53

Tgt Ion: 95 Resp: 419052
Ion Ratio Lower Upper
95 100
174 88.0 0.0 188.8
176 84.2 0.0 182.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053972.D

Acq: 27 Feb 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

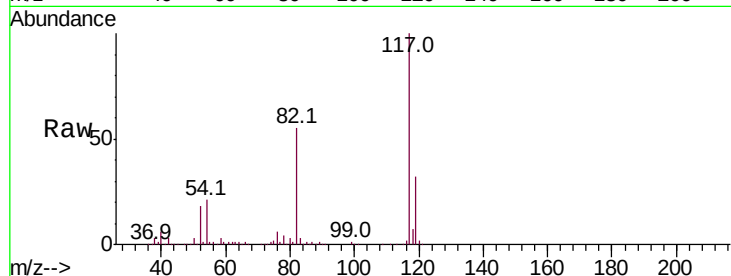
Tot Ion:117 Resp: 972424

Ion Ratio Lower Upper

117 100

82 54.9 41.4 62.2

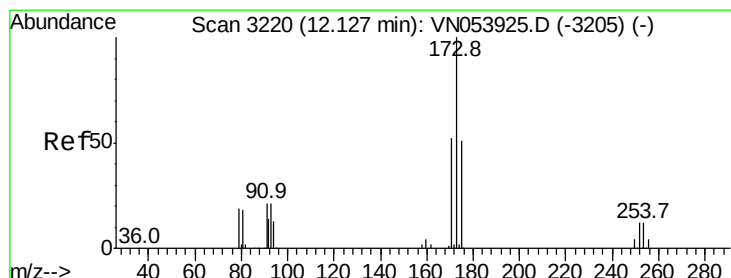
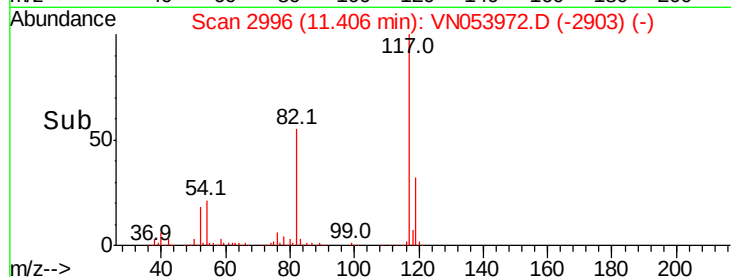
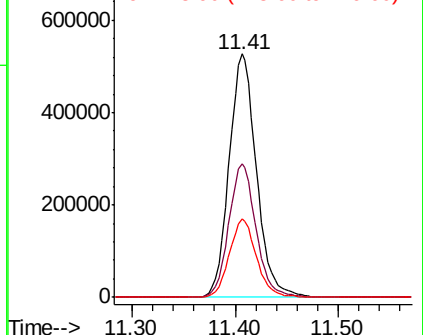
119 32.0 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.644 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053972.D

Acq: 27 Feb 2019 16:53

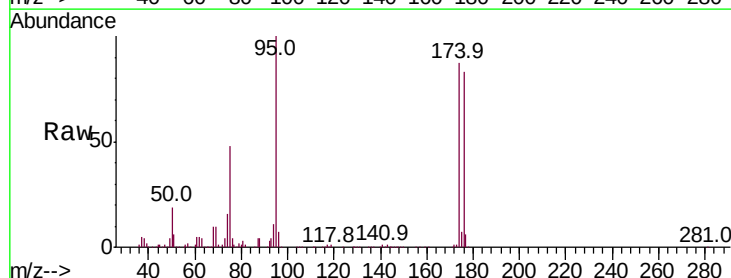
Tgt Ion:173 Resp: 3313

Ion Ratio Lower Upper

173 100

175 745.8 24.3 72.8#

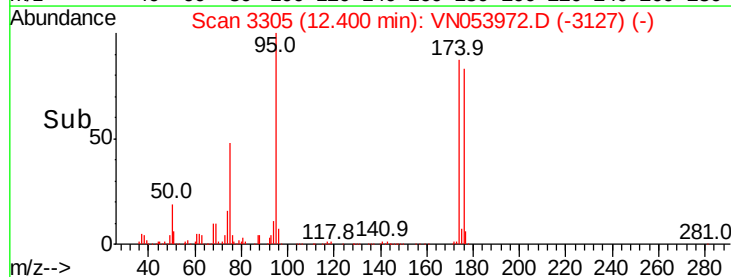
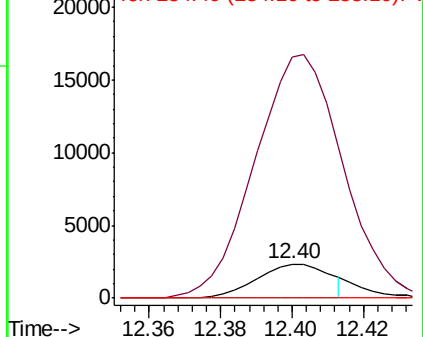
254 0.0 0.2 0.2#

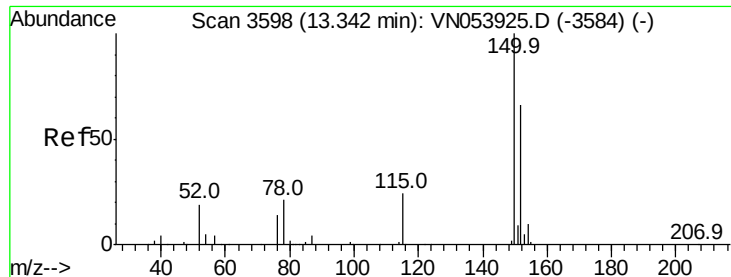


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



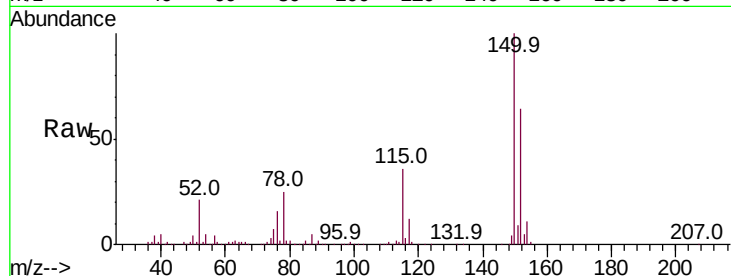


#72

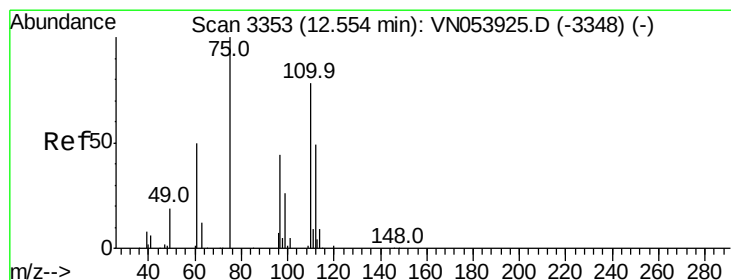
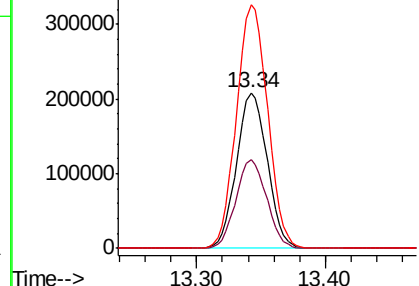
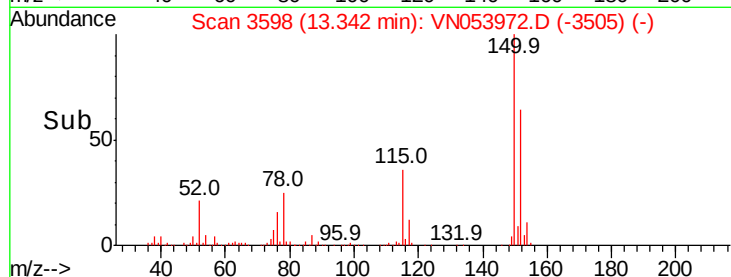
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053972.D
Acq: 27 Feb 2019 16:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 345352
Ion Ratio Lower Upper
152 100
115 57.1 27.2 81.6
150 158.8 0.0 348.2



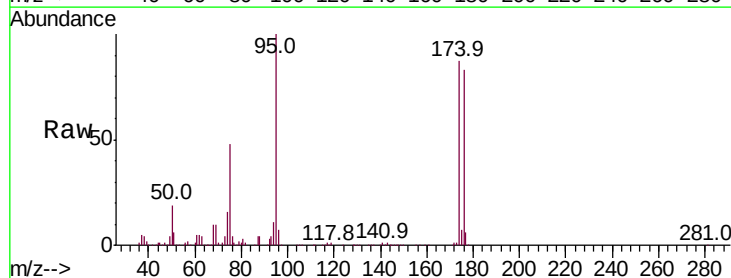
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



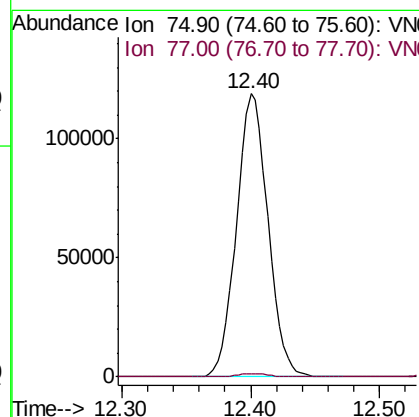
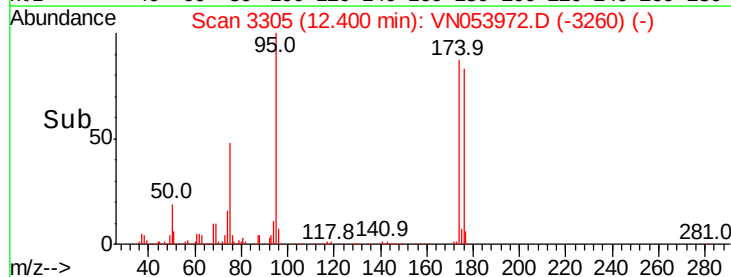
#76

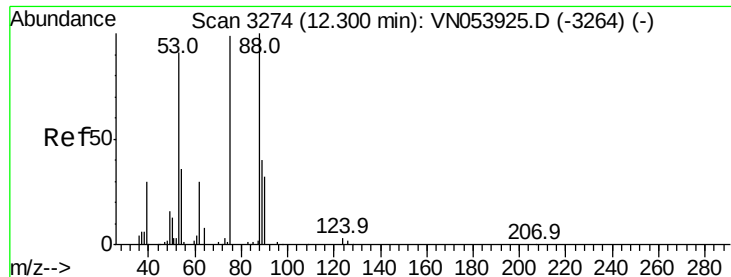
1,2,3-Trichloropropane
Concen: 36.416 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN053972.D
Acq: 27 Feb 2019 16:53

Tgt Ion: 75 Resp: 201749
Ion Ratio Lower Upper
75 100
77 1.2 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: 115.099 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053972.D

Acq: 27 Feb 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

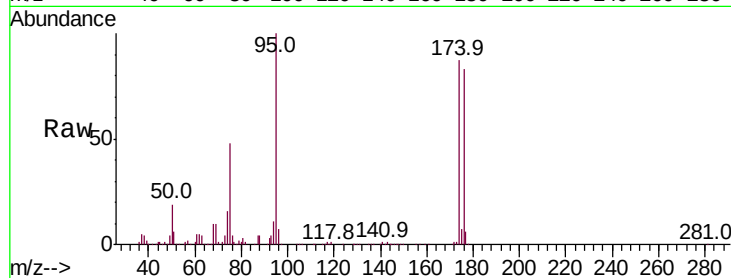
Tot Ion: 75 Resp: 201749

Ion Ratio Lower Upper

75 100

53 0.1 68.6 102.8#

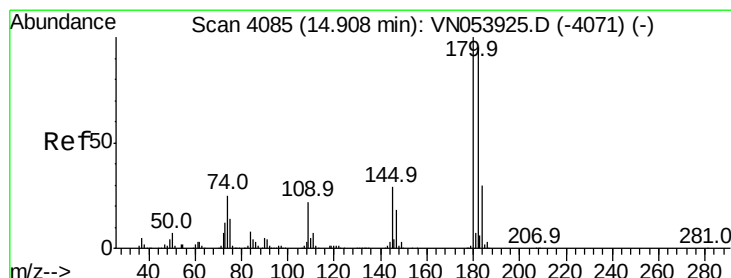
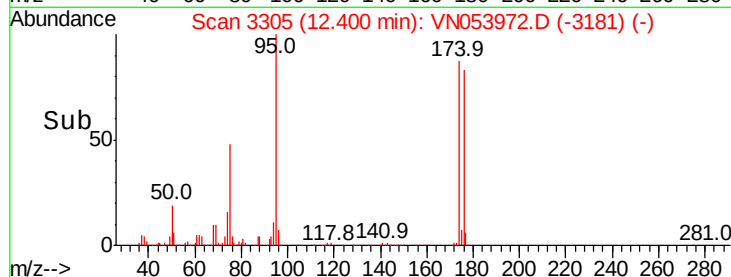
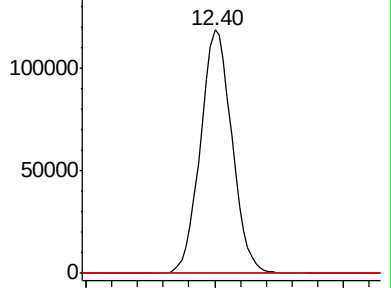
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN053972.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN053972.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN053972.D (-3305) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.460 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053972.D

Acq: 27 Feb 2019 16:53

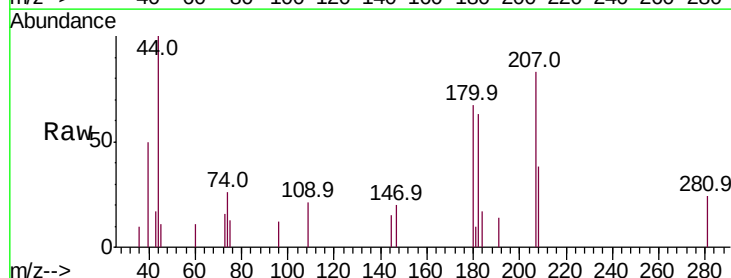
Tgt Ion:180 Resp: 1575

Ion Ratio Lower Upper

180 100

182 92.3 48.6 145.9

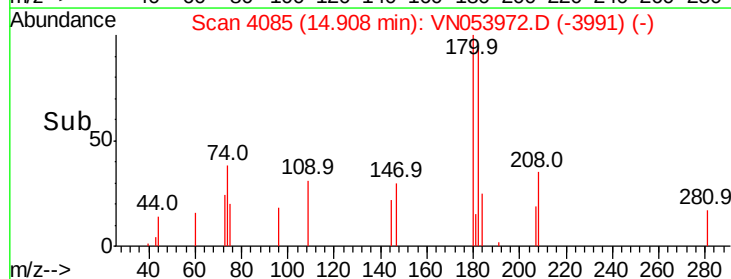
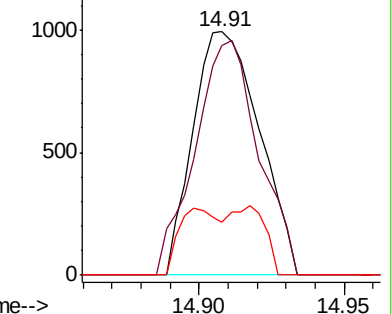
145 17.0 13.8 41.3

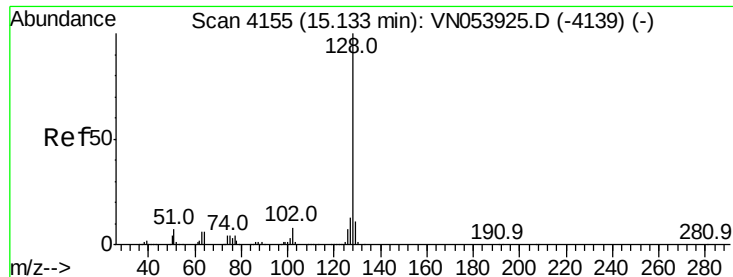


Abundance Ion 179.80 (179.50 to 180.50): VN053972.D (-4085) (-)

Ion 181.80 (181.50 to 182.50): VN053972.D (-4085) (-)

Ion 144.80 (144.50 to 145.50): VN053972.D (-4085) (-)





#95

Naphthalene

Concen: 3.540 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053972.D

Acq: 27 Feb 2019 16:53

Instrument :

MSVOA_N

ClientSampleId :

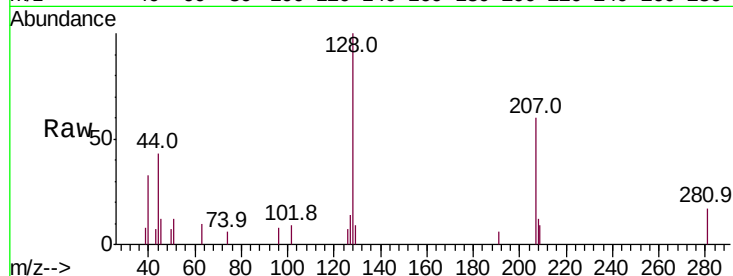
Tot Ion:128 Resp: 4799

Ion Ratio Lower Upper

128 100

127 8.6 10.2 15.2#

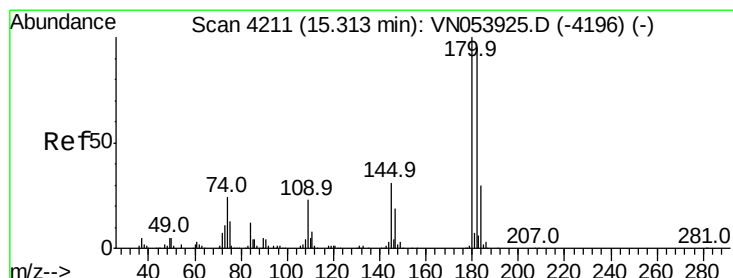
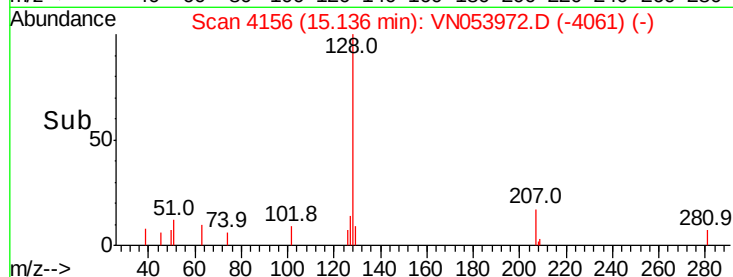
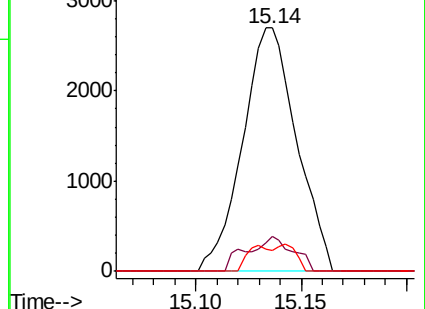
129 4.8 8.6 12.8#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.942 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053972.D

Acq: 27 Feb 2019 16:53

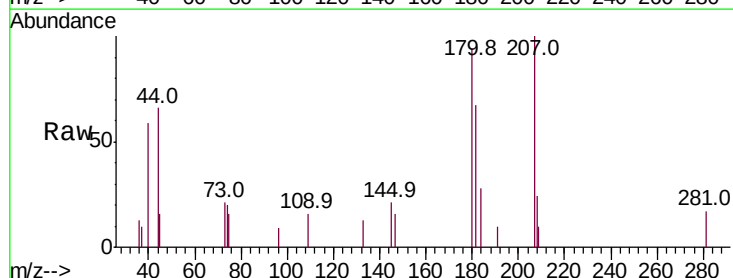
Tgt Ion:180 Resp: 2416

Ion Ratio Lower Upper

180 100

182 77.9 47.3 141.8

145 25.4 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

