

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056168.D
 Acq On : 10 Jun 2019 14:32
 Operator : JC/SP
 Sample : K3255-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 02:20:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	307043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	466881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145136	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	166549	54.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.26%	
35) Dibromofluoromethane	7.59	113	152414	53.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.42%	
50) Toluene-d8	10.09	98	606255	55.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.00%	
62) 4-Bromofluorobenzene	12.40	95	191451	51.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.14%	

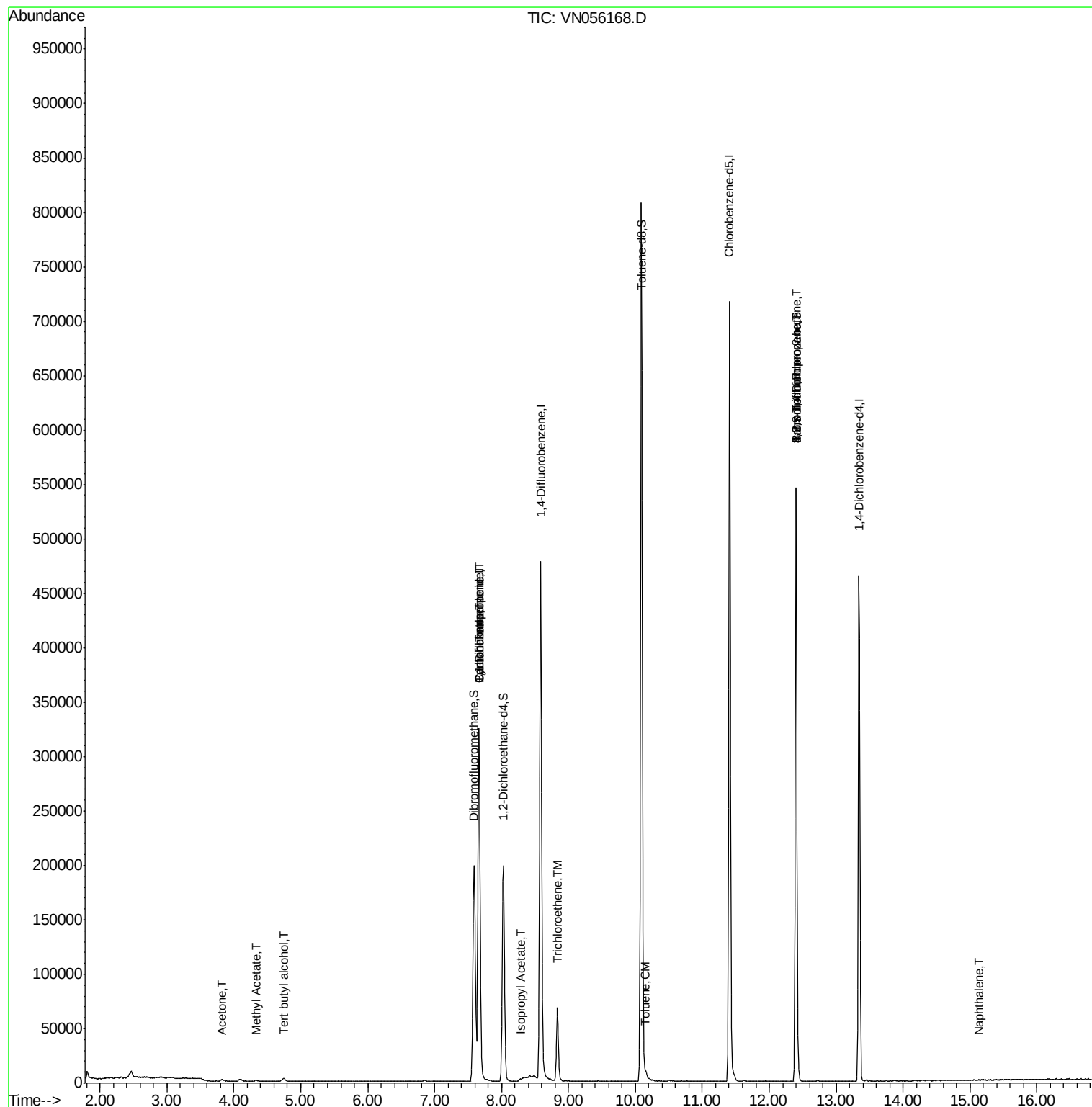
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	1574	2.967	ug/l #	74
16) Acetone	3.83	43	2984	2.047	ug/l #	88
18) Methyl Acetate	4.33	43	2517	0.304	ug/l #	67
31) Cyclohexane	7.66	56	4411	0.912	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18288	4.555	ug/l #	45
38) Carbon Tetrachloride	7.66	117	25173	6.801	ug/l #	15
43) Isopropyl Acetate	8.28	43	1789	0.309	ug/l #	53
44) Trichloroethene	8.83	130	26433	7.544	ug/l	97
52) Toluene	10.16	92	1593	0.210	ug/l	99
71) Bromoform	12.40	173	1419	3.251	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	87633	32.814	ug/l #	100
79) 2-Chlorotoluene	12.60	91	173	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	87633	109.278	ug/l #	15
95) Naphthalene	15.13	128	300	3.891	ug/l #	69

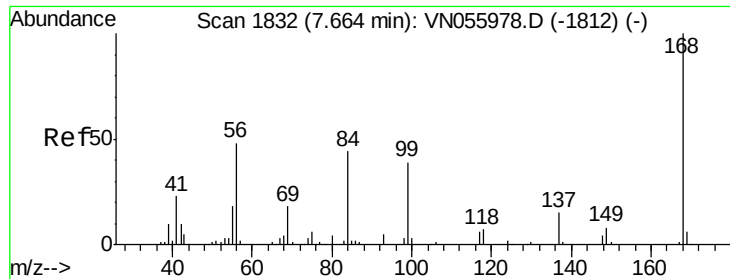
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056168.D

Acq: 10 Jun 2019 14:32

Instrument :

MSVOA_N

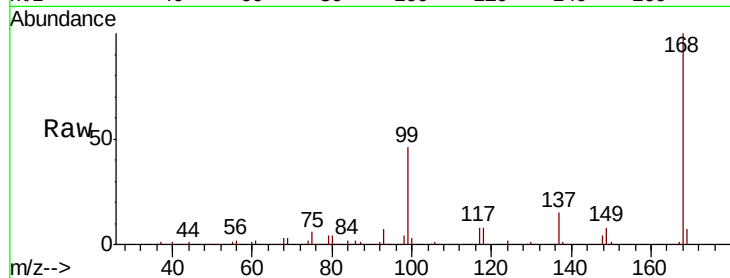
ClientSampled :

Tot Ion:168 Resp: 307043

Ion Ratio Lower Upper

168 100

99 46.0 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

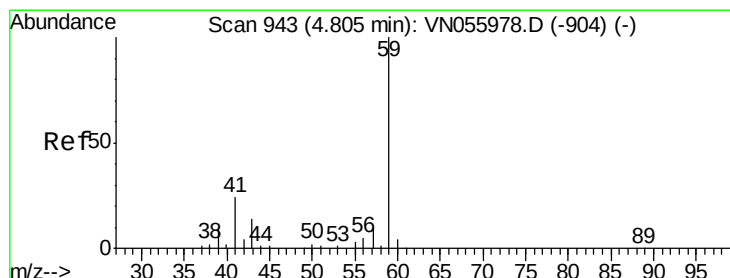
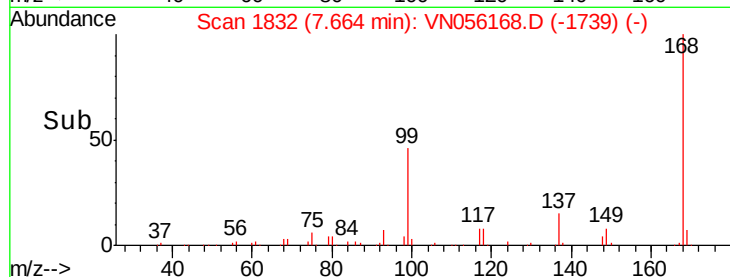
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 2.967 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.07 min

Lab File: VN056168.D

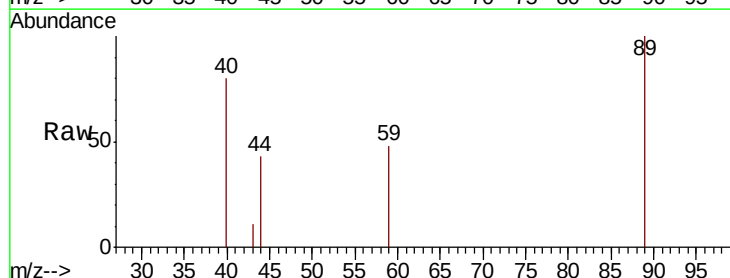
Acq: 10 Jun 2019 14:32

Tgt Ion: 59 Resp: 1574

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.74

800

600

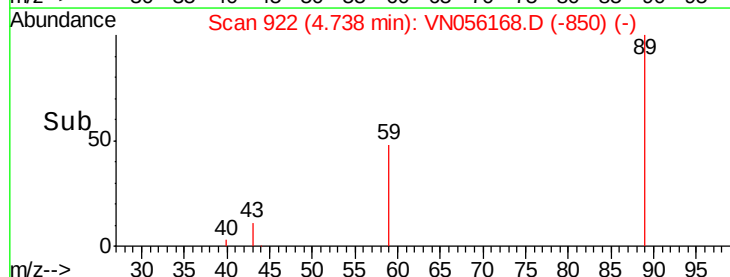
400

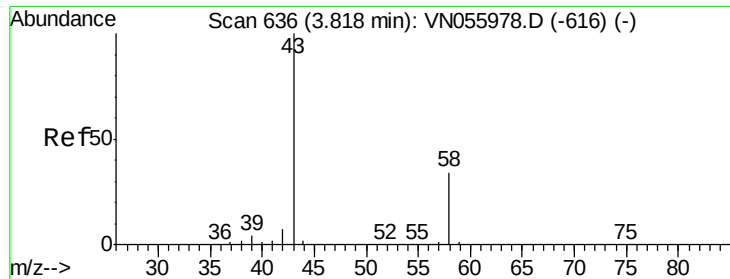
200

0

Time-->

4.70 4.75





#16

Acetone

Concen: 2.047 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056168.D

Acq: 10 Jun 2019 14:32

Instrument :

MSVOA_N

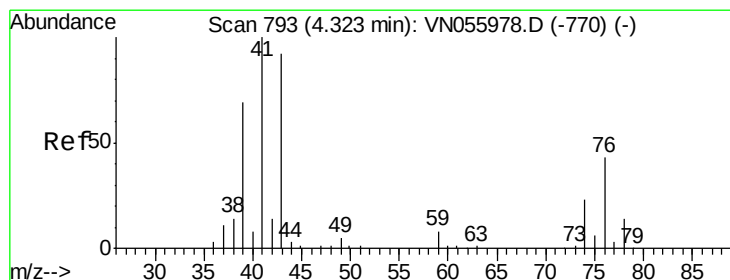
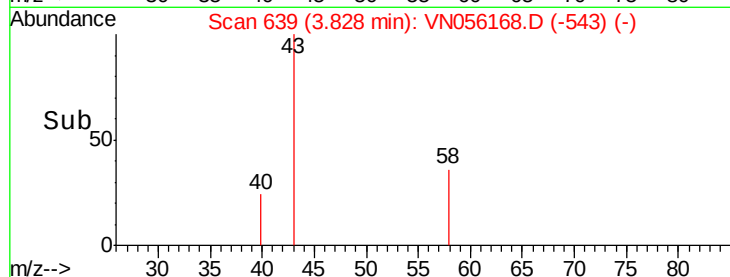
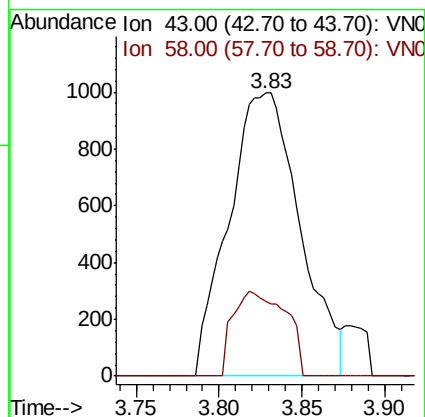
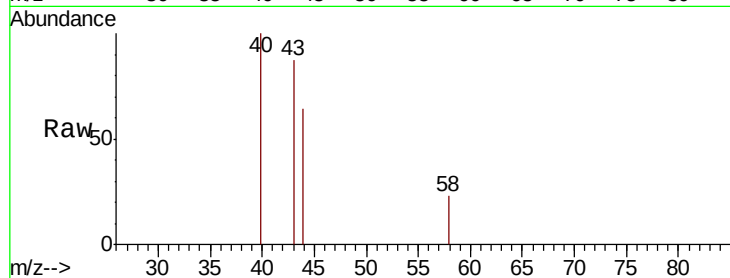
ClientSampleId :

Tot Ion: 43 Resp: 2984

Ion Ratio Lower Upper

43 100

58 26.5 26.6 39.8#



#18

Methyl Acetate

Concen: 0.304 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056168.D

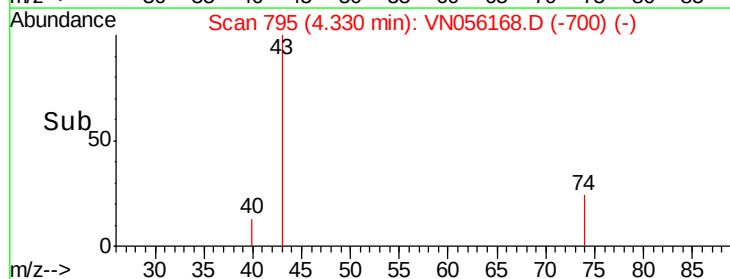
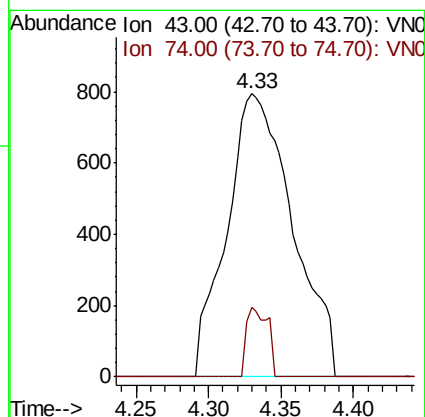
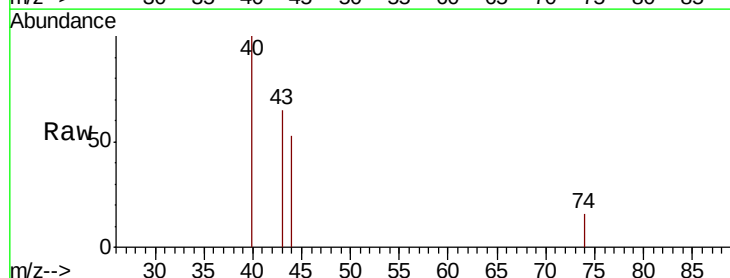
Acq: 10 Jun 2019 14:32

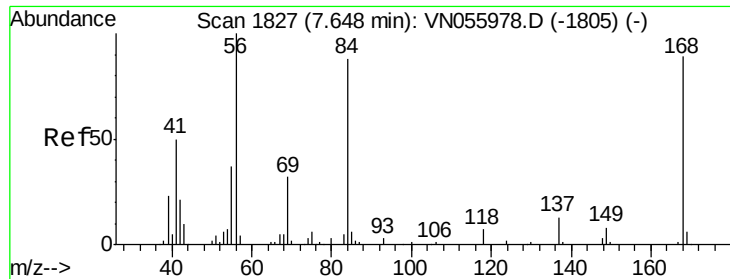
Tgt Ion: 43 Resp: 2517

Ion Ratio Lower Upper

43 100

74 7.8 19.3 28.9#

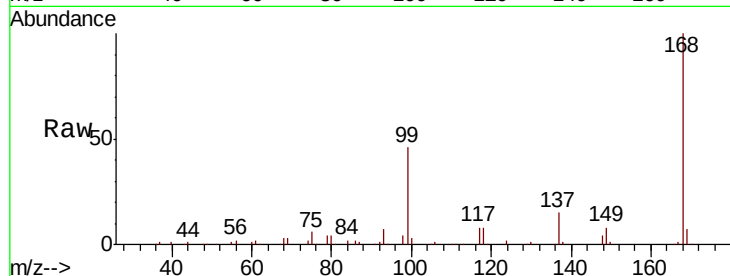




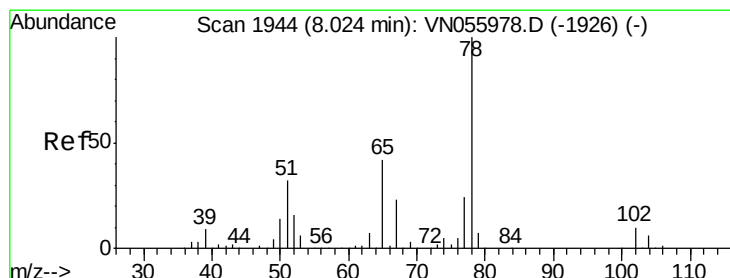
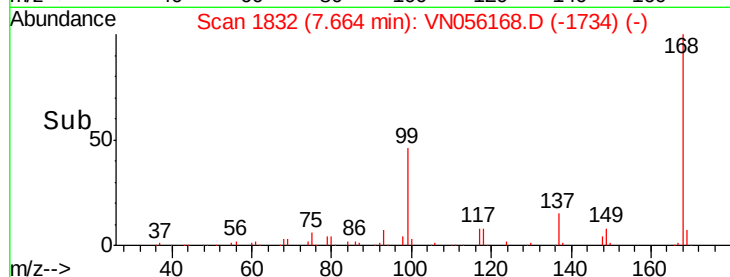
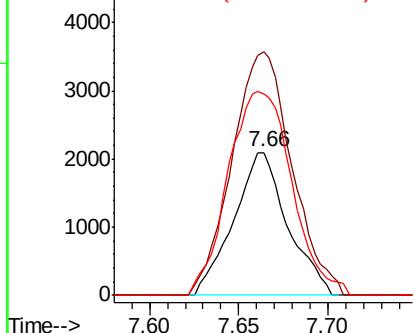
#31
Cyclohexane
Concen: 0.912 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056168.D
Acq: 10 Jun 2019 14:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4411
Ion Ratio Lower Upper
56 100
69 170.8 25.6 38.4#
84 141.1 67.4 101.0#

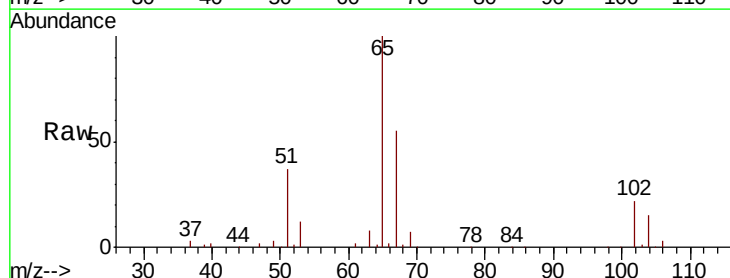


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

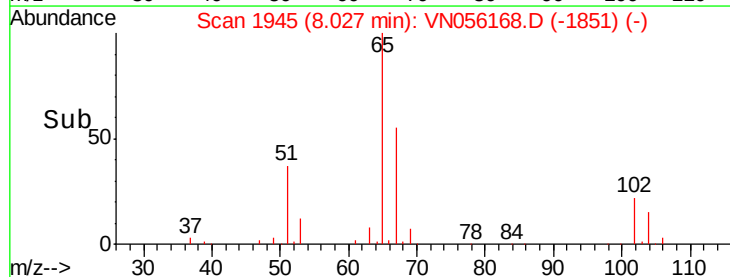
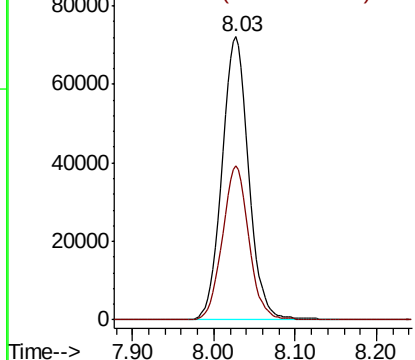


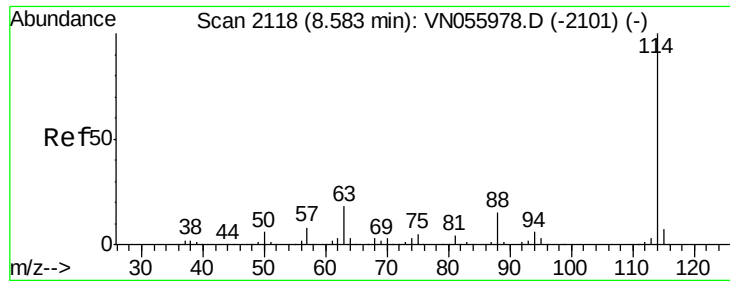
#33
1,2-Dichloroethane-d4
Concen: 54.630 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056168.D
Acq: 10 Jun 2019 14:32

Tgt Ion: 65 Resp: 166549
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

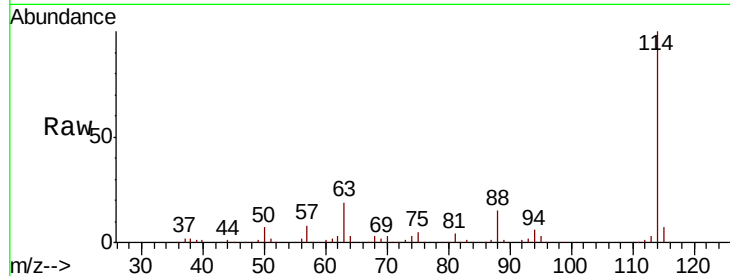




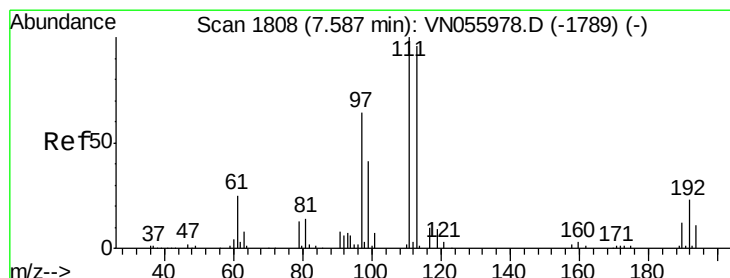
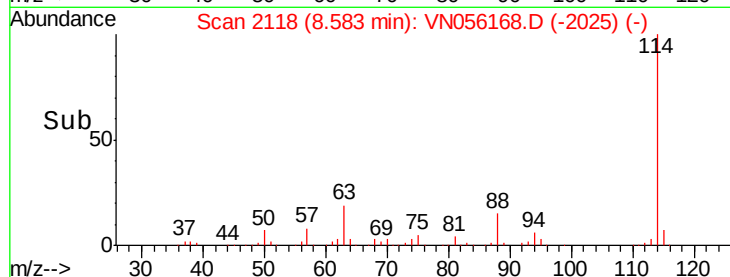
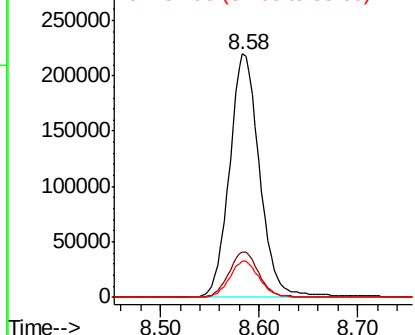
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056168.D
Acq: 10 Jun 2019 14:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:114 Resp: 466881
Ion Ratio Lower Upper
114 100
63 18.7 0.0 39.2
88 15.0 0.0 31.0

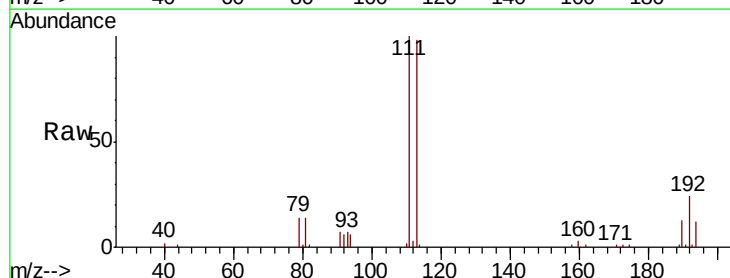


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

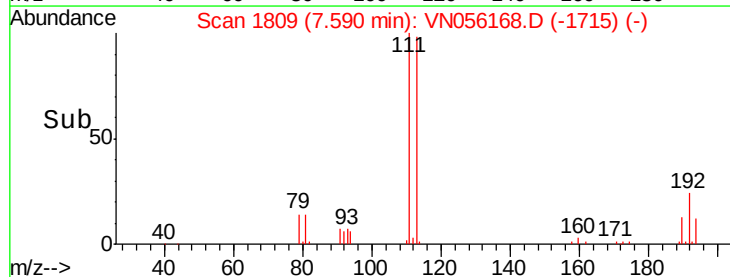
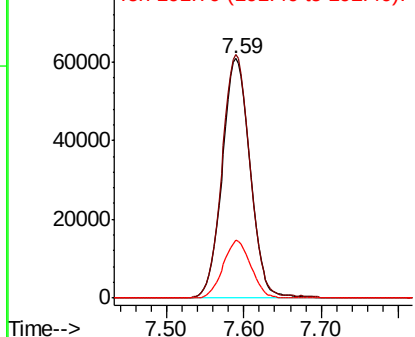


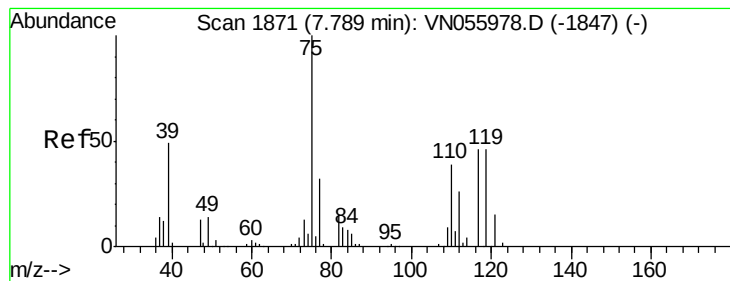
#35
Dibromofluoromethane
Concen: 53.208 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056168.D
Acq: 10 Jun 2019 14:32

Tgt Ion:113 Resp: 152414
Ion Ratio Lower Upper
113 100
111 101.3 81.9 122.9
192 24.0 19.5 29.3



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: 4.555 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056168.D

Acq: 10 Jun 2019 14:32

Instrument :

MSVOA_N

ClientSampled :

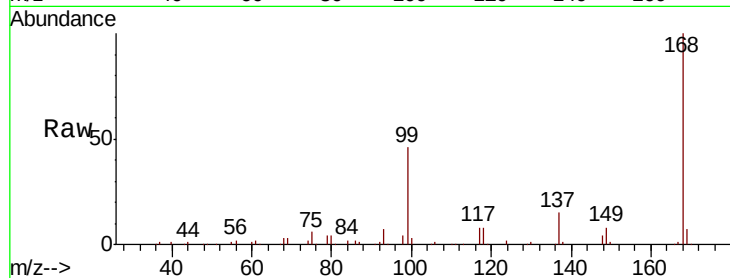
Tot Ion: 75 Resp: 18288

Ion Ratio Lower Upper

75 100

110 5.3 19.0 57.0#

77 0.0 25.1 37.7#

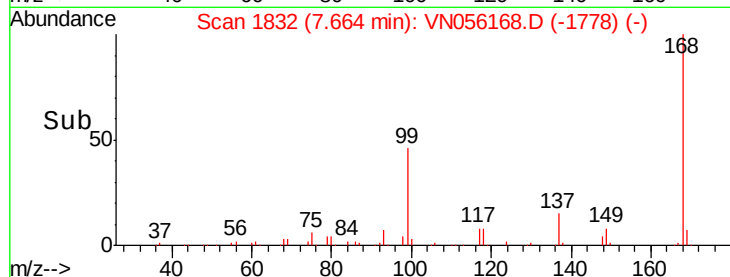


Abundance Ion 74.90 (74.60 to 75.60): VN056168.D (-1778) (-)

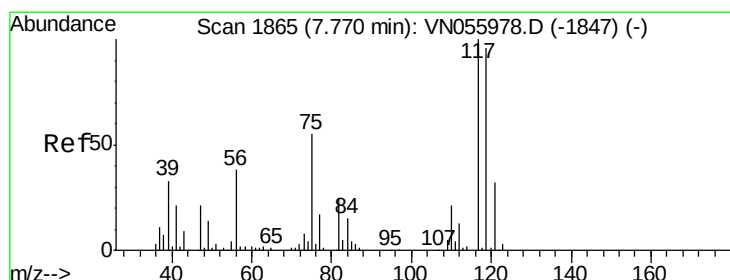
Ion 109.90 (109.60 to 110.60): VN056168.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN056168.D (-1778) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 6.801 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN056168.D

Acq: 10 Jun 2019 14:32

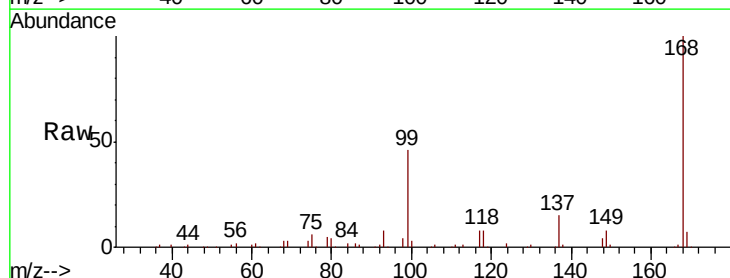
Tgt Ion: 117 Resp: 25173

Ion Ratio Lower Upper

117 100

119 5.0 79.0 118.6#

121 0.0 24.7 37.1#

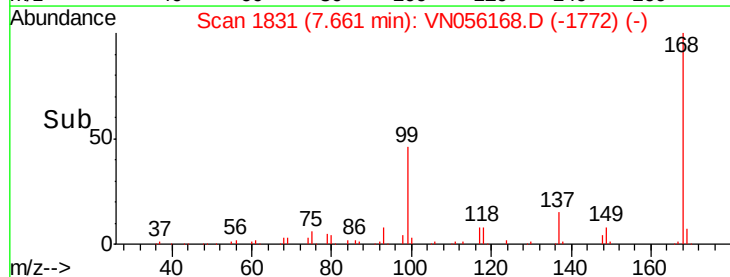


Abundance Ion 116.80 (116.50 to 117.50): VN056168.D (-1772) (-)

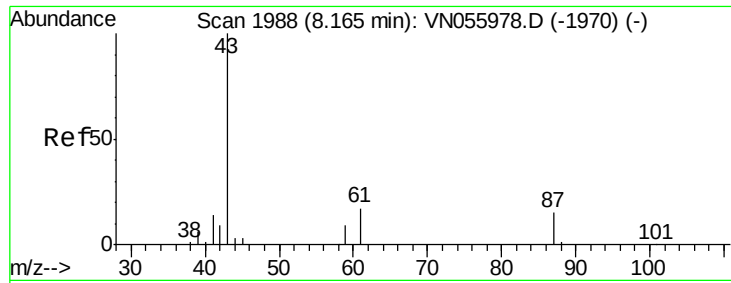
Ion 118.80 (118.50 to 119.50): VN056168.D (-1772) (-)

Ion 120.80 (120.50 to 121.50): VN056168.D (-1772) (-)

Time-->



Time-->



#43

Isopropyl Acetate

Concen: 0.309 ug/l

RT: 8.28 min Scan# 2024

Delta R.T. 0.12 min

Lab File: VN056168.D

Acq: 10 Jun 2019 14:32

Instrument :

MSVOA_N

ClientSampleId :

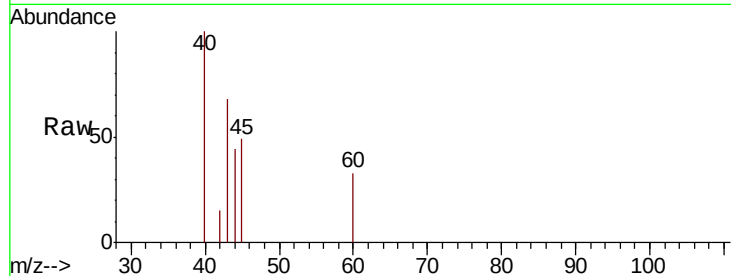
Tot Ion: 43 Resp: 1789

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

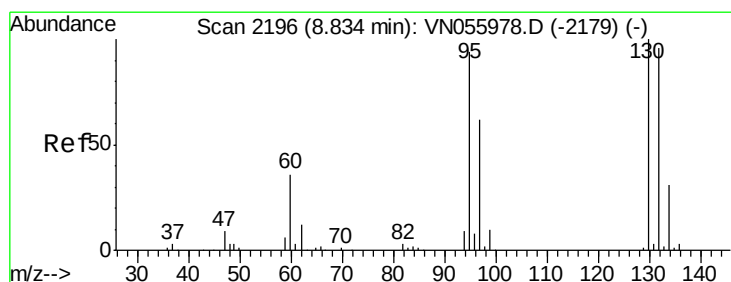
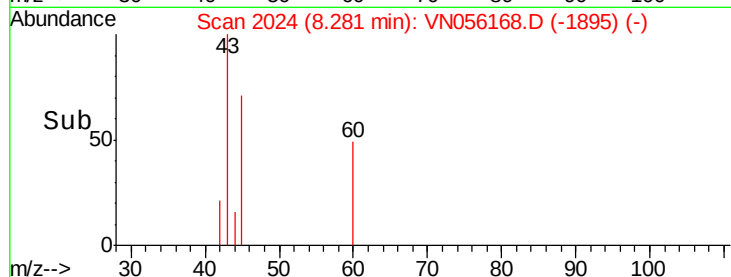
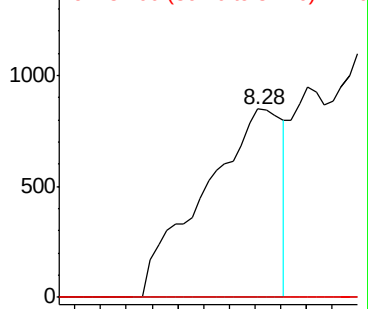
87 0.0 11.4 17.2#



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



#44

Trichloroethene

Concen: 7.544 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056168.D

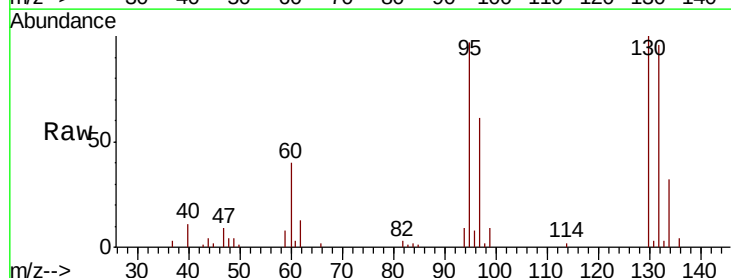
Acq: 10 Jun 2019 14:32

Tgt Ion: 130 Resp: 26433

Ion Ratio Lower Upper

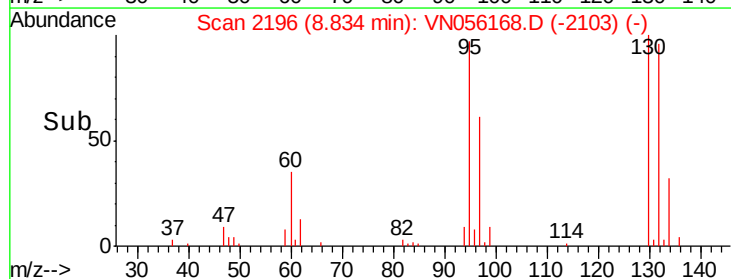
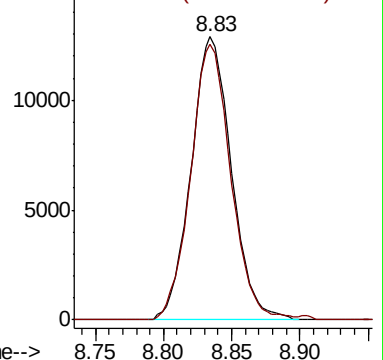
130 100

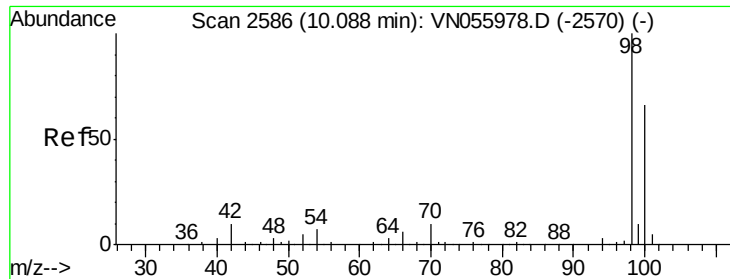
95 97.3 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

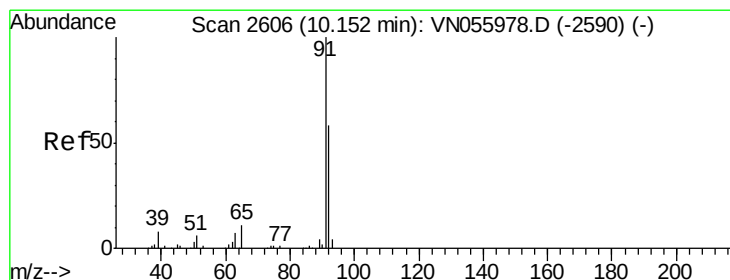
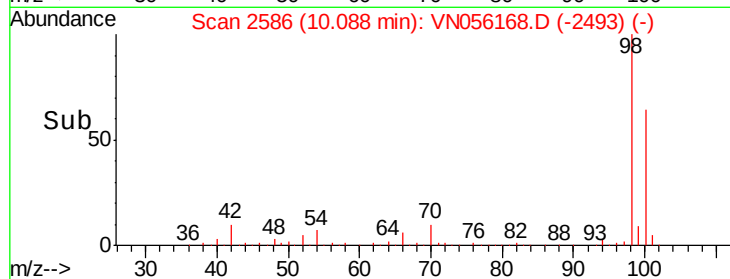
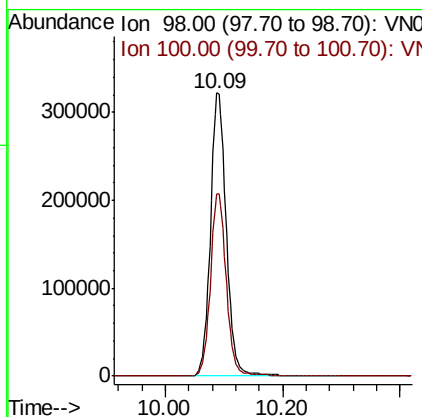
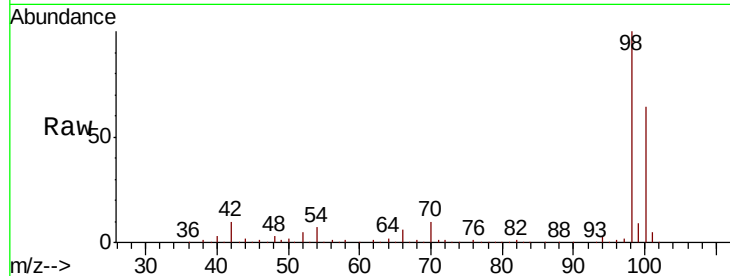




#50
Toluene-d8
Concen: 55.002 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056168.D
Acq: 10 Jun 2019 14:32

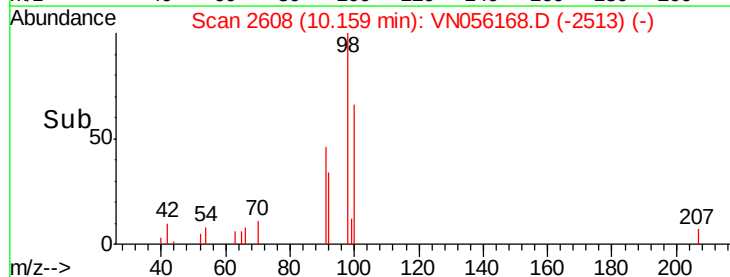
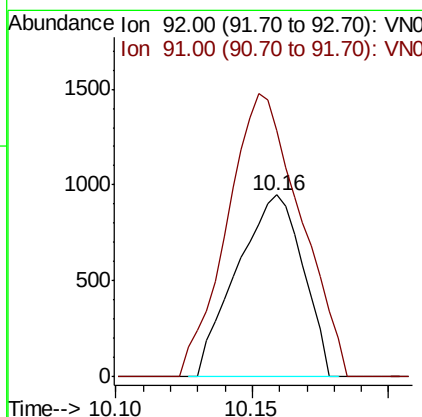
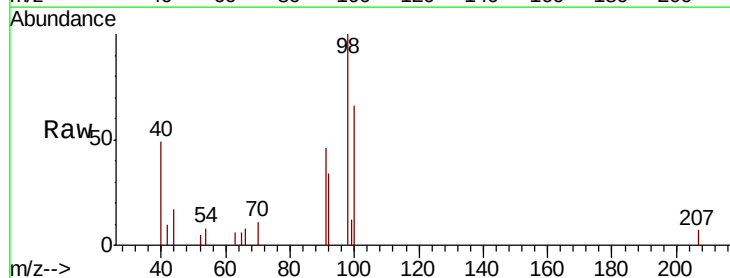
Instrument :
MSVOA_N
ClientSampled :

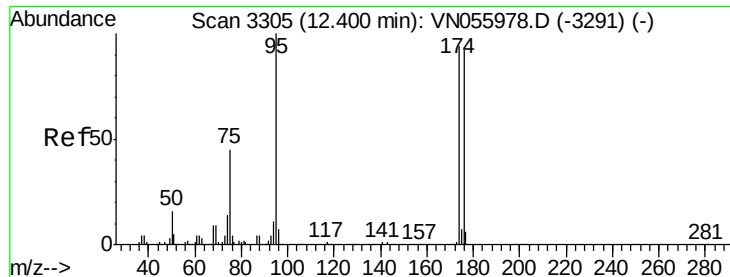
Tot Ion: 98 Resp: 606255
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#52
Toluene
Concen: 0.210 ug/l
RT: 10.16 min Scan# 2608
Delta R.T. 0.01 min
Lab File: VN056168.D
Acq: 10 Jun 2019 14:32

Tgt Ion: 92 Resp: 1593
Ion Ratio Lower Upper
92 100
91 172.9 139.4 209.2





#62

4-Bromofluorobenzene

Concen: 51.074 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056168.D

Acq: 10 Jun 2019 14:32

Instrument :

MSVOA_N

ClientSampled :

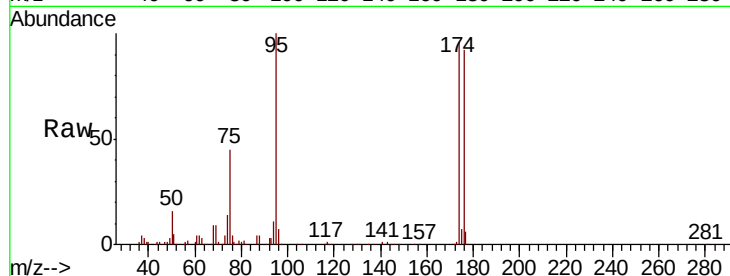
Tot Ion: 95 Resp: 191451

Ion Ratio Lower Upper

95 100

174 97.5 0.0 191.0

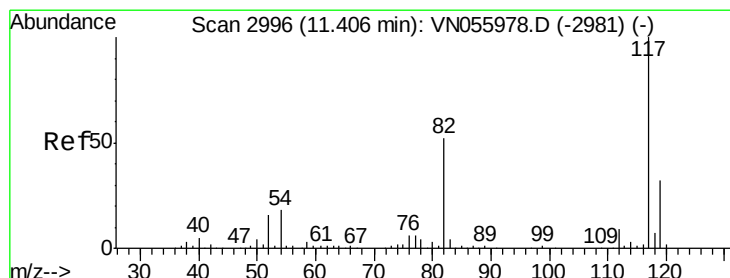
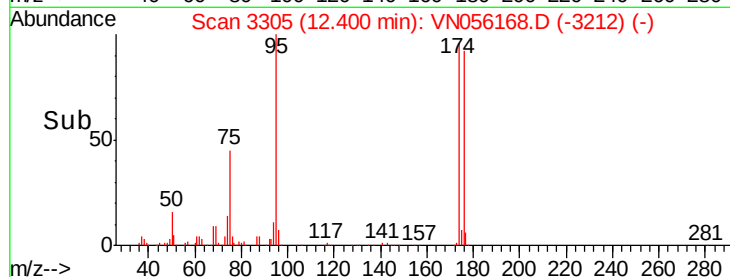
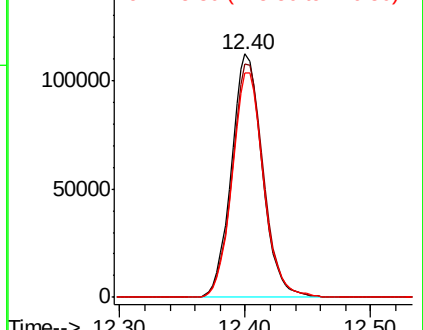
176 93.8 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056168.D

Acq: 10 Jun 2019 14:32

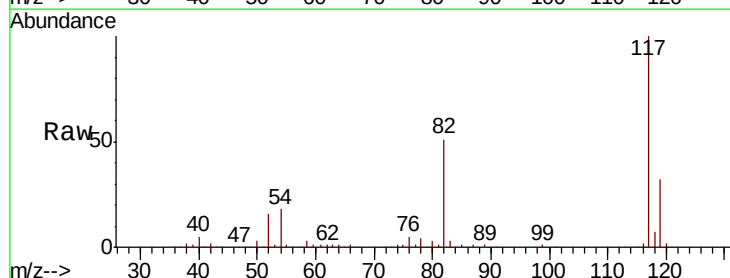
Tgt Ion: 117 Resp: 456644

Ion Ratio Lower Upper

117 100

82 51.3 41.8 62.8

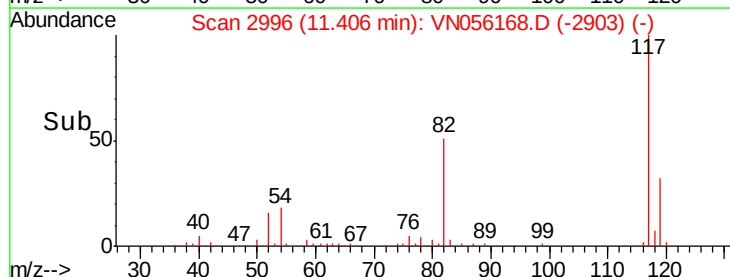
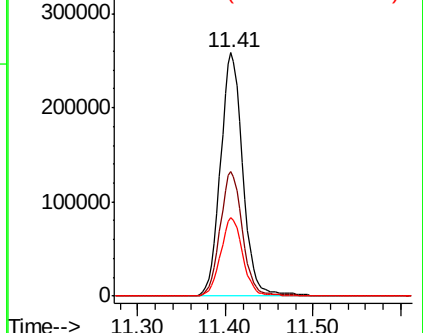
119 32.1 25.4 38.0

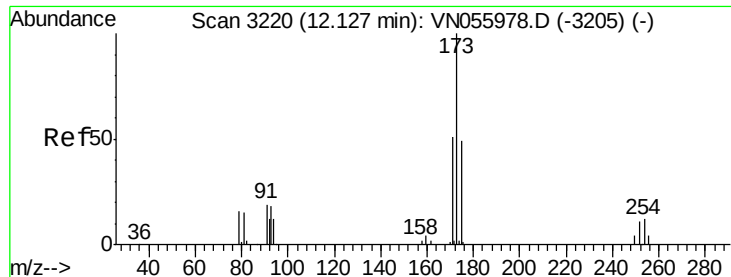


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)





#71

Bromoform

Concen: 3.251 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056168.D

Acq: 10 Jun 2019 14:32

Instrument :

MSVOA_N

ClientSampled :

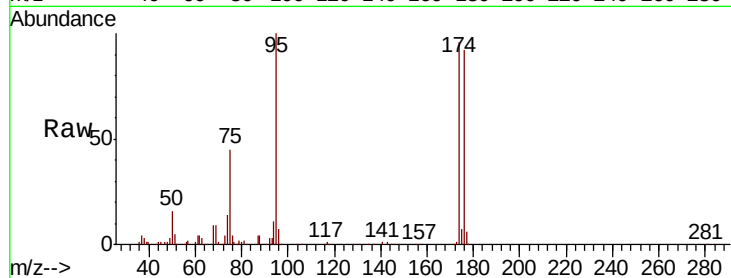
Tot Ion:173 Resp: 1419

Ion Ratio Lower Upper

173 100

175 803.2 24.3 72.8#

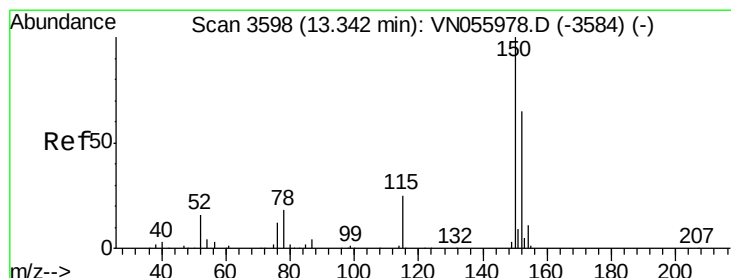
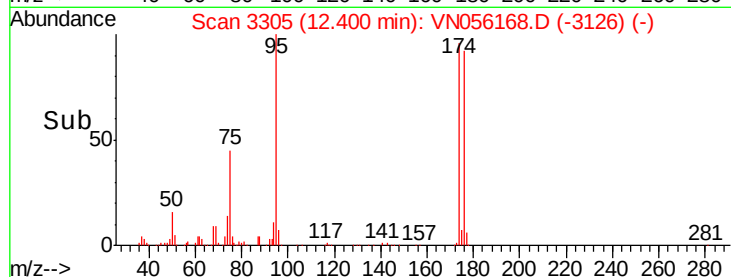
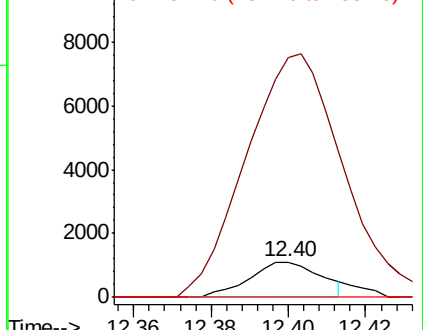
254 0.0 0.0 0.0



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: VN056168.D

Acq: 10 Jun 2019 14:32

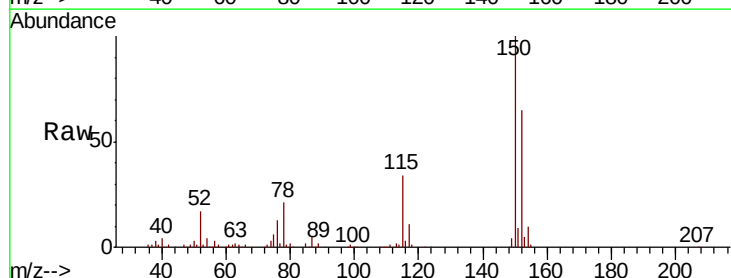
Tgt Ion:152 Resp: 145136

Ion Ratio Lower Upper

152 100

115 52.1 27.0 81.0

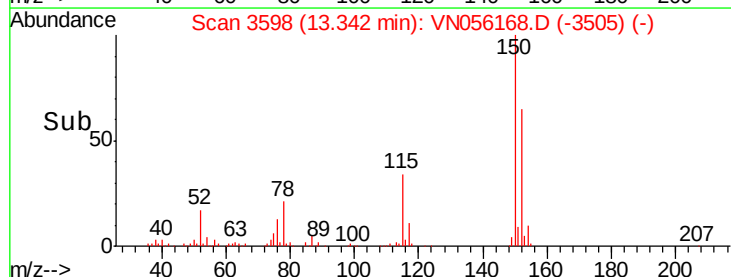
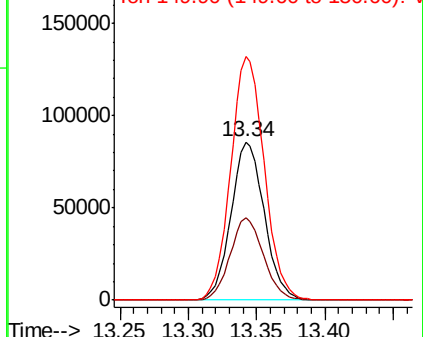
150 155.3 0.0 343.2

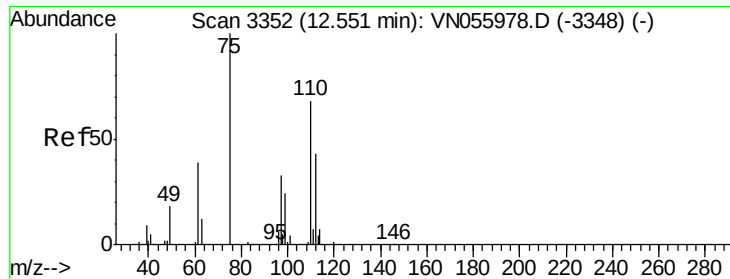


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 32.814 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056168.D

Acq: 10 Jun 2019 14:32

Instrument :

MSVOA_N

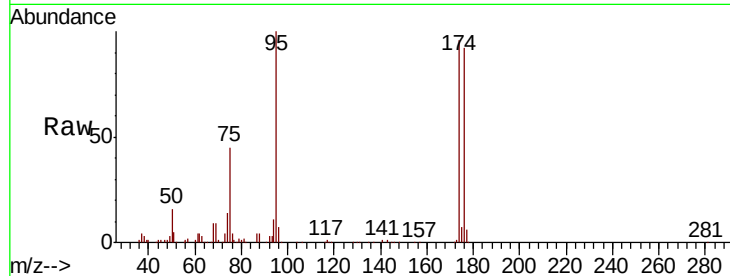
ClientSampleId :

Tot Ion: 75 Resp: 87633

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

50000

40000

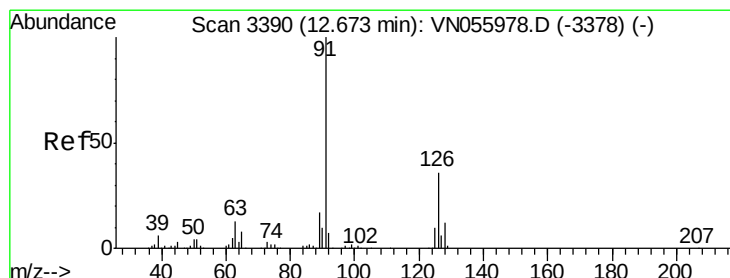
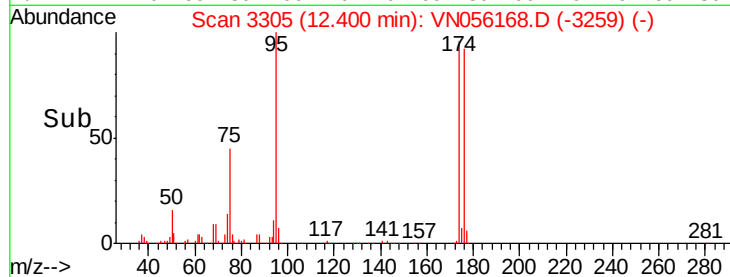
30000

20000

10000

0

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN056168.D

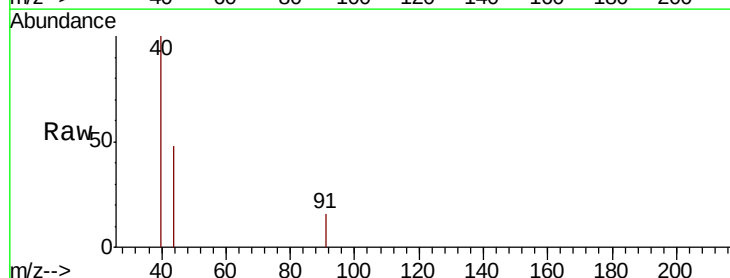
Acq: 10 Jun 2019 14:32

Tgt Ion: 91 Resp: 173

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.60

200

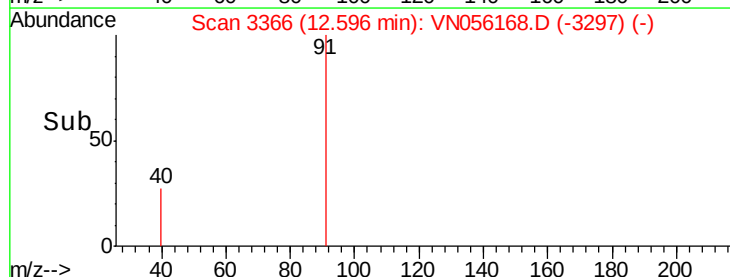
150

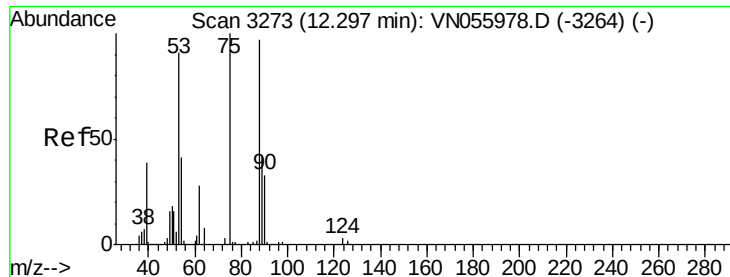
100

50

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 109.278 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056168.D

Acq: 10 Jun 2019 14:32

Instrument :

MSVOA_N

ClientSampleId :

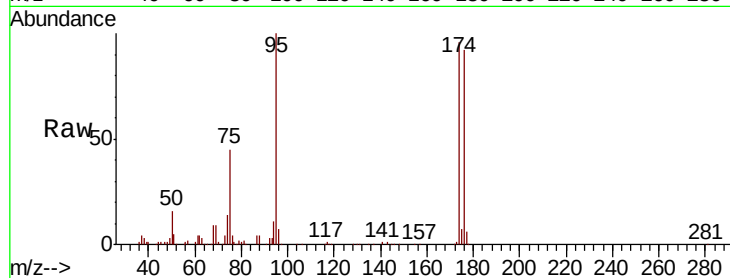
Tot Ion: 75 Resp: 87633

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

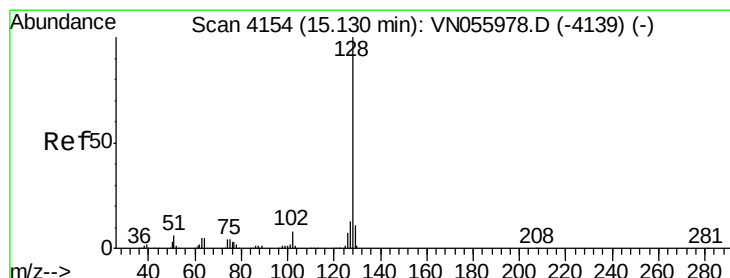
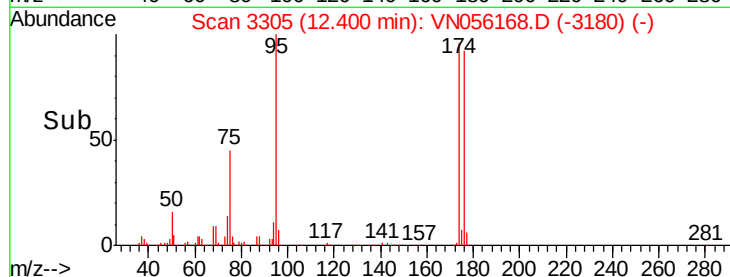
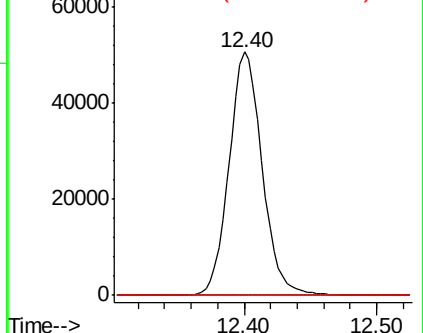
89 0.0 36.9 55.3#



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



#95

Naphthalene

Concen: 3.891 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN056168.D

Acq: 10 Jun 2019 14:32

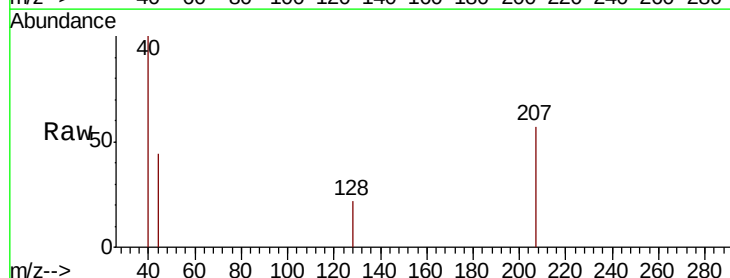
Tgt Ion: 128 Resp: 300

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

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

