

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056175.D
 Acq On : 10 Jun 2019 17:28
 Operator : JC/SP
 Sample : K3280-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 02:21:20 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	291800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	450516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	432957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	135339	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	158734	54.79	ug/l	0.00
Spiked Amount			Recovery	=	109.58%	
35) Dibromofluoromethane	7.59	113	146831	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
50) Toluene-d8	10.09	98	574969	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	
62) 4-Bromofluorobenzene	12.40	95	182042	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	

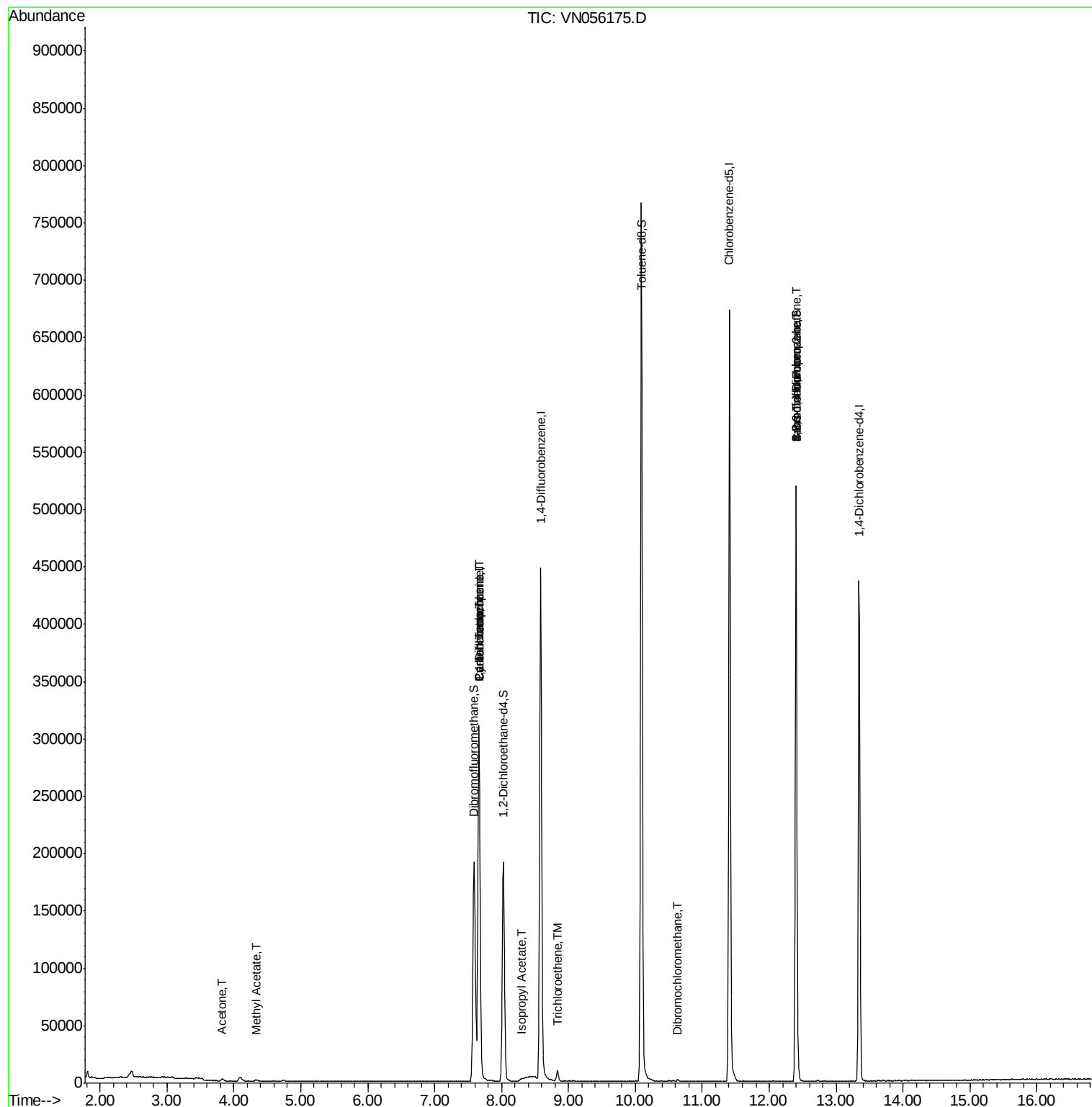
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	2753	1.987	ug/l	89
18) Methyl Acetate	4.33	43	2540	0.359	ug/l #	64
31) Cyclohexane	7.66	56	4365	0.949	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	16884	4.359	ug/l #	47
38) Carbon Tetrachloride	7.66	117	23885	6.688	ug/l #	15
43) Isopropyl Acetate	8.30	43	1821	0.326	ug/l #	53
44) Trichloroethene	8.84	130	3736	1.105	ug/l	97
60) Dibromochloromethane	10.63	129	368	2.561	ug/l #	11
71) Bromoform	12.40	173	1210	3.200	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	82942	33.306	ug/l #	100
79) 2-Chlorotoluene	12.40	91	422	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	82942	110.916	ug/l #	15

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

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QLast Update : Tue Jun 04 11:02:09 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: VN056175.D

Acq: 10 Jun 2019 17:28

Instrument :

MSVOA_N

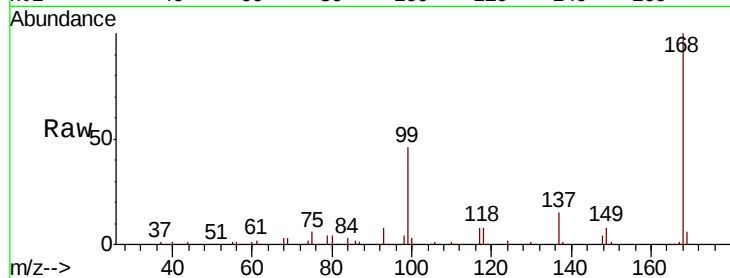
ClientSampleId :

Tot Ion:168 Resp: 291800

Ion Ratio Lower Upper

168 100

99 45.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

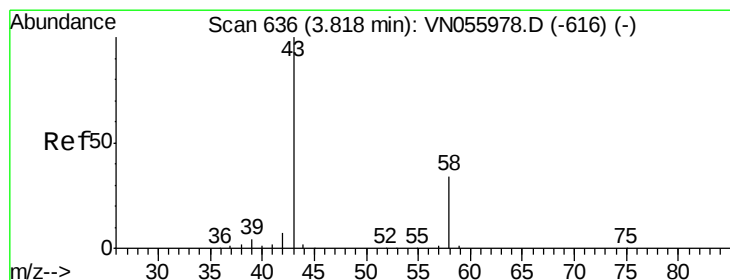
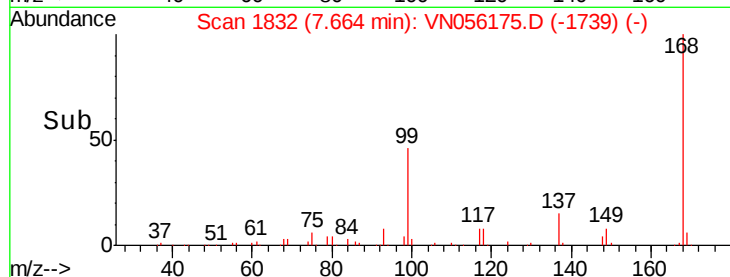
7.66

100000

50000

0

Time-->



#16

Acetone

Concen: 1.987 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056175.D

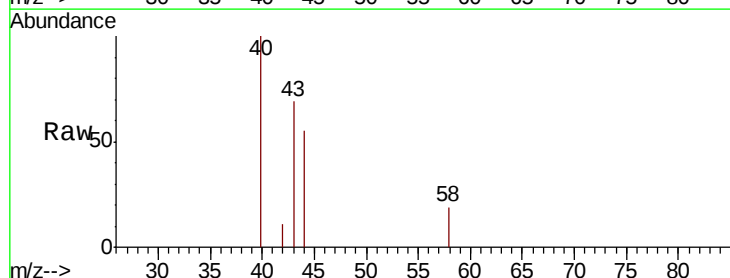
Acq: 10 Jun 2019 17:28

Tgt Ion: 43 Resp: 2753

Ion Ratio Lower Upper

43 100

58 27.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

1000

800

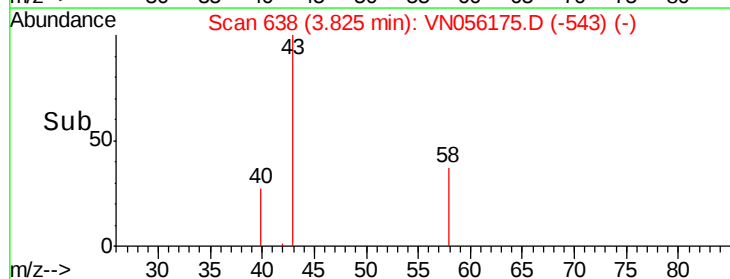
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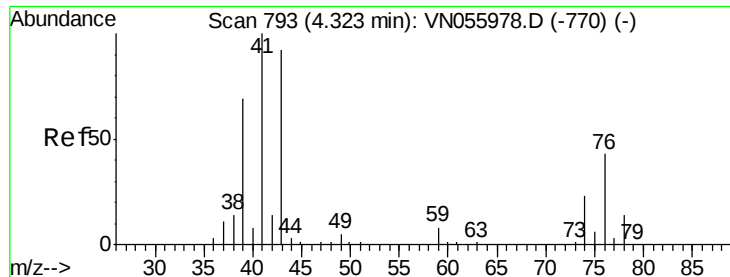
400

200

0

Time-->

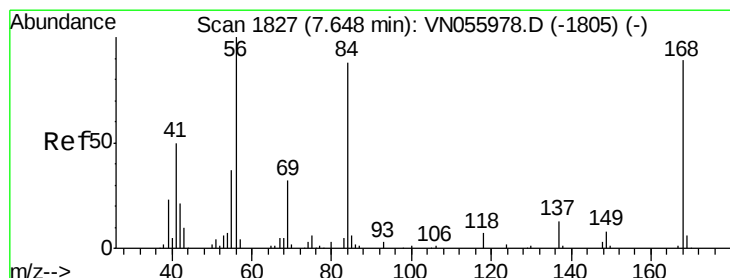
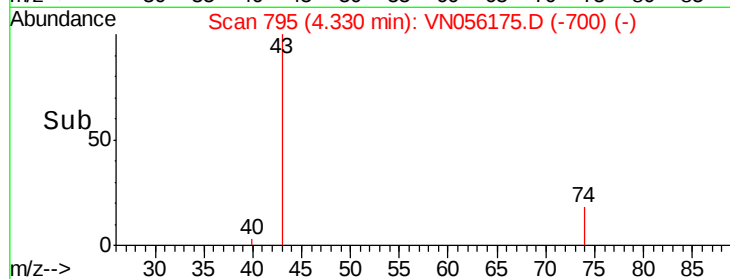
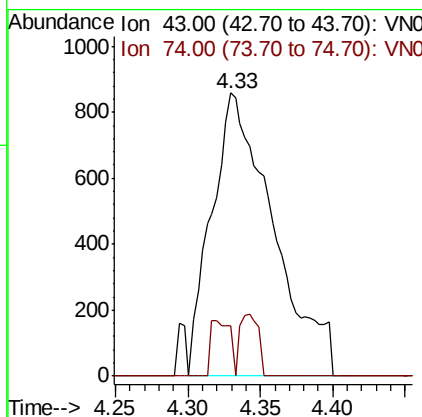
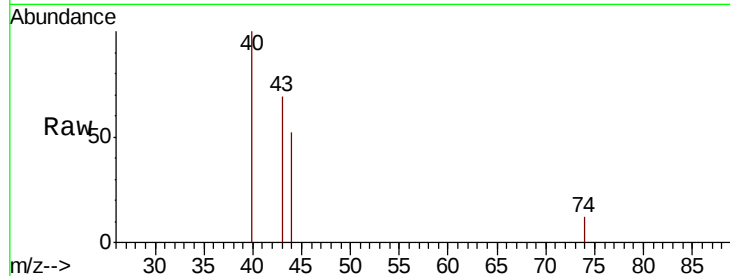




#18
Methyl Acetate
Concen: 0.359 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN056175.D
Acq: 10 Jun 2019 17:28

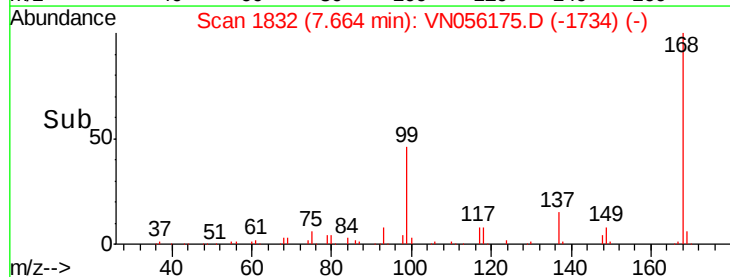
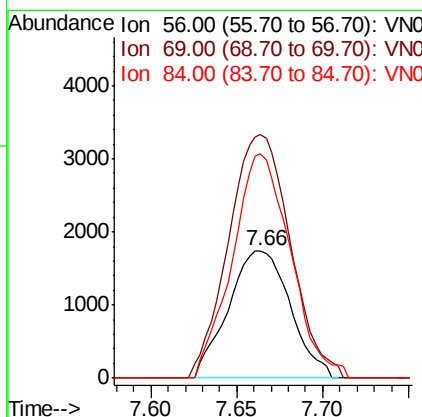
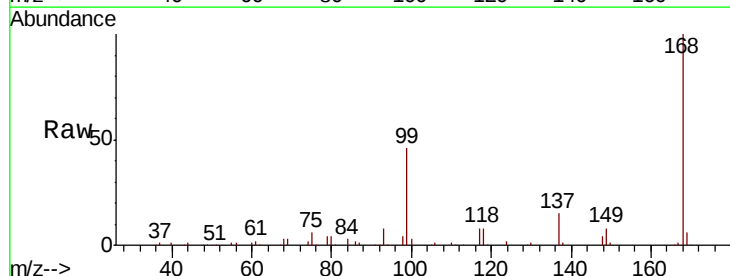
Instrument :
MSVOA_N
ClientSampleId :

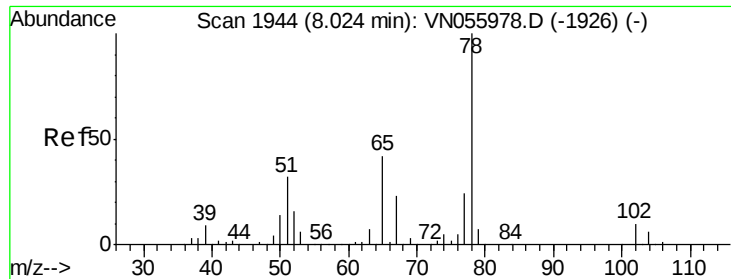
Tot Ion: 43 Resp: 2540
Ion Ratio Lower Upper
43 100
74 6.3 19.3 28.9#



#31
Cyclohexane
Concen: 0.949 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056175.D
Acq: 10 Jun 2019 17:28

Tgt Ion: 56 Resp: 4365
Ion Ratio Lower Upper
56 100
69 190.8 25.6 38.4#
84 176.3 67.4 101.0#

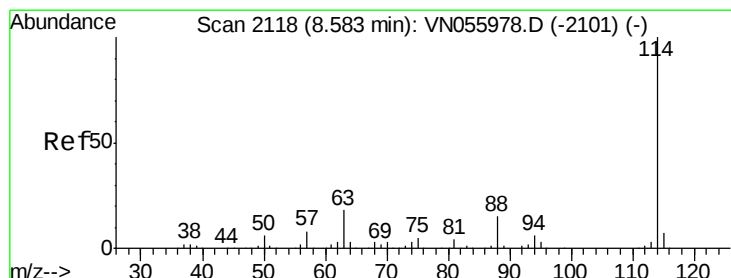
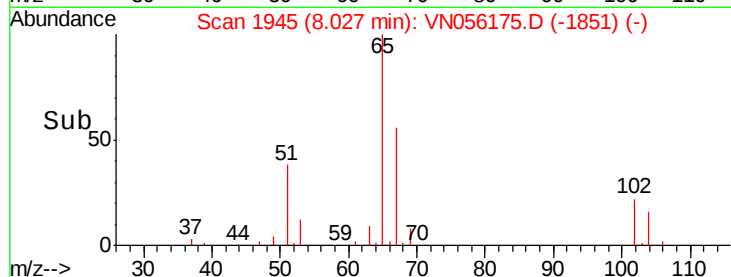
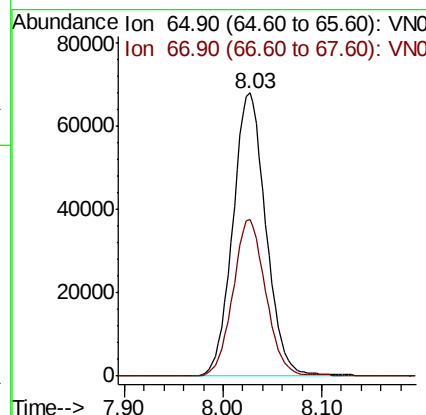
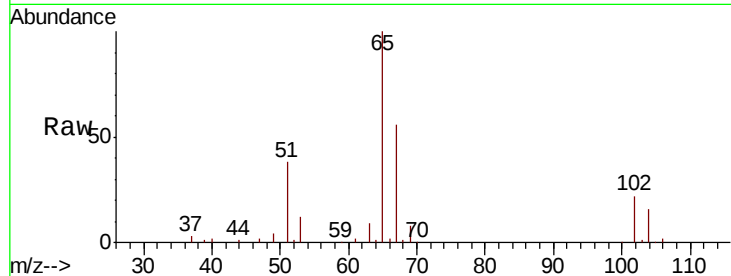




#33
 1,2-Dichloroethane-d4
 Concen: 54.786 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056175.D
 Acq: 10 Jun 2019 17:28

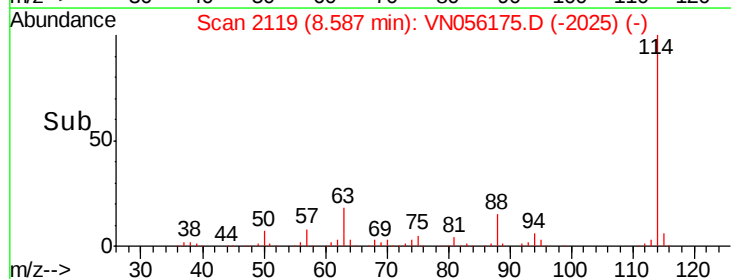
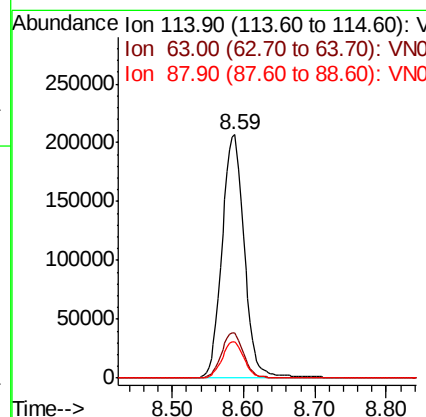
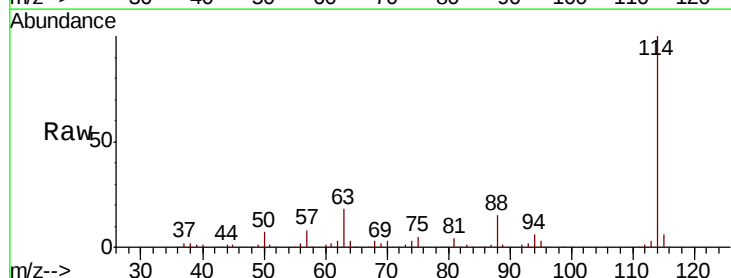
Instrument :
 MSVOA_N
 ClientSampleId :

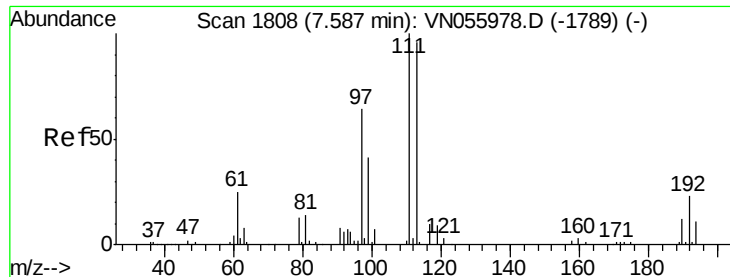
Tot Ion: 65 Resp: 158734
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056175.D
 Acq: 10 Jun 2019 17:28

Tgt Ion: 114 Resp: 450516
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 39.2
 88 15.0 0.0 31.0

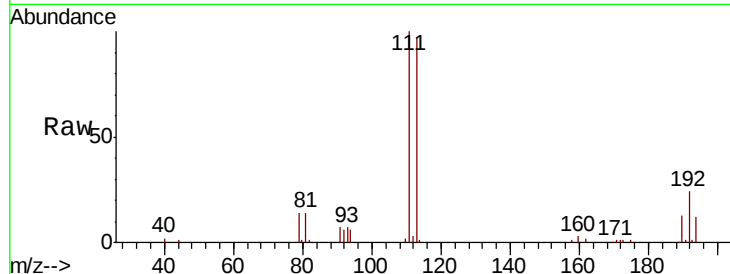




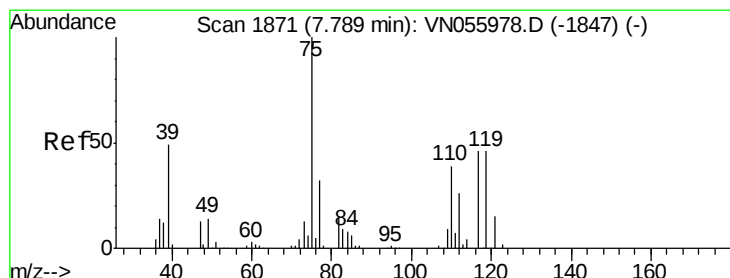
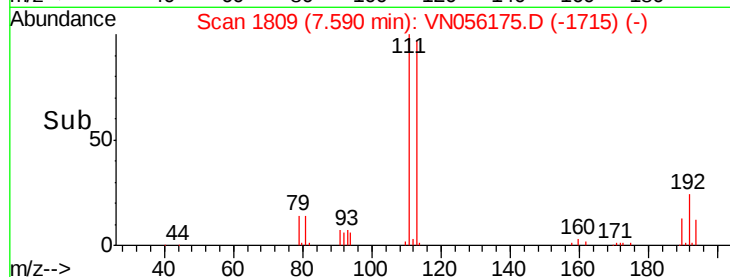
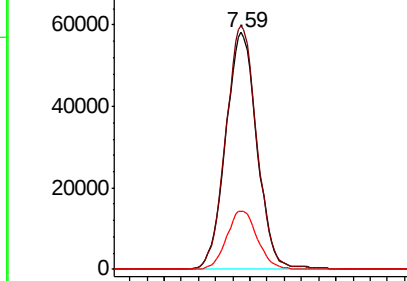
#35
 Dibromofluoromethane
 Concen: 53.121 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056175.D
 Acq: 10 Jun 2019 17:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	24.2	19.5	29.3

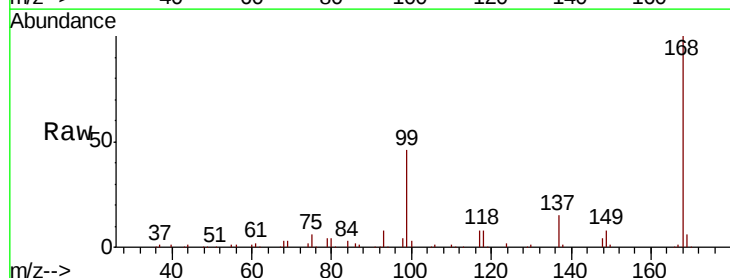


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

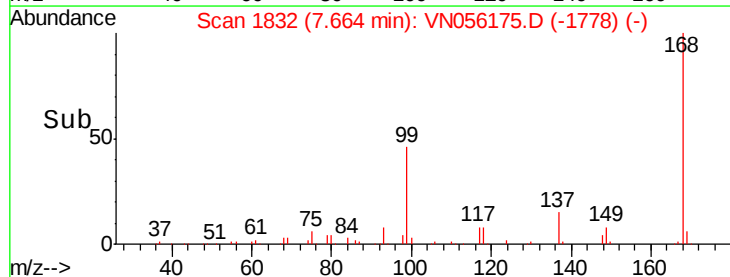
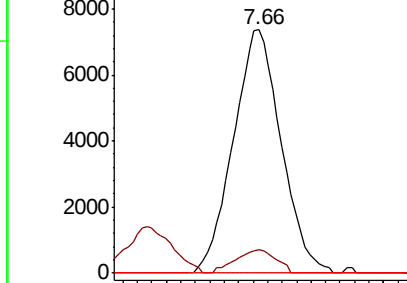


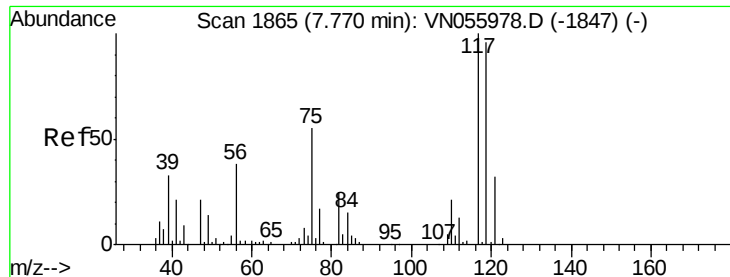
#36
 1,1-Dichloropropene
 Concen: 4.359 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056175.D
 Acq: 10 Jun 2019 17:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	19.0	57.0#
77	0.0	25.1	37.7#



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

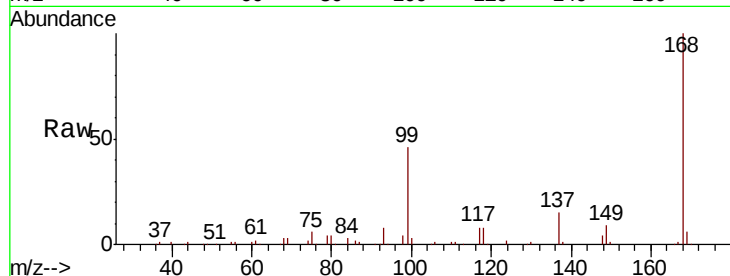




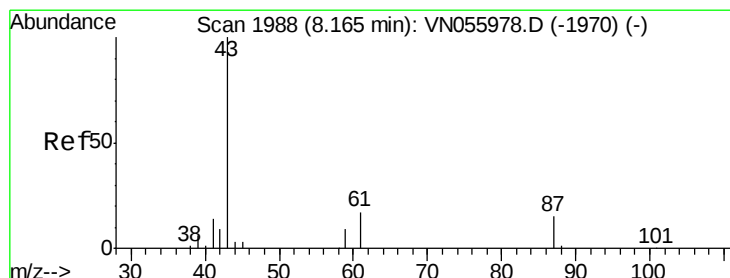
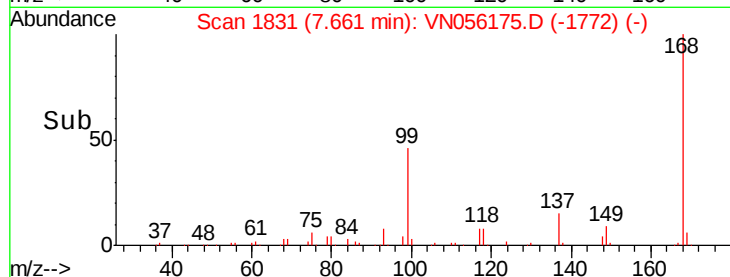
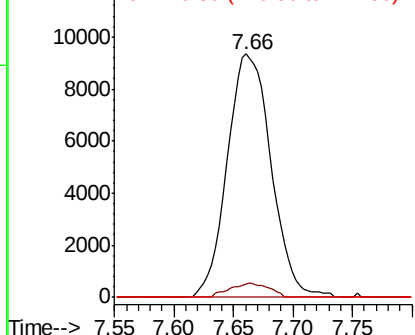
#38
Carbon Tetrachloride
Concen: 6.688 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN056175.D
Acq: 10 Jun 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 23885
Ion Ratio Lower Upper
117 100
119 5.6 79.0 118.6#
121 0.0 24.7 37.1#

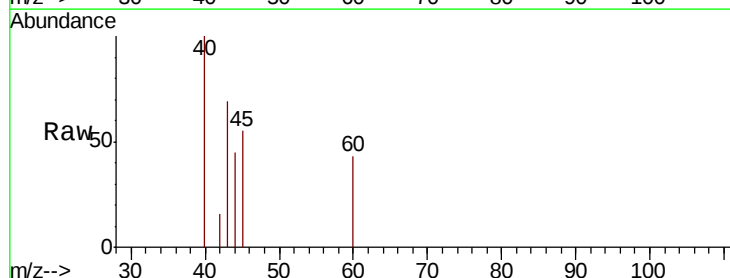


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

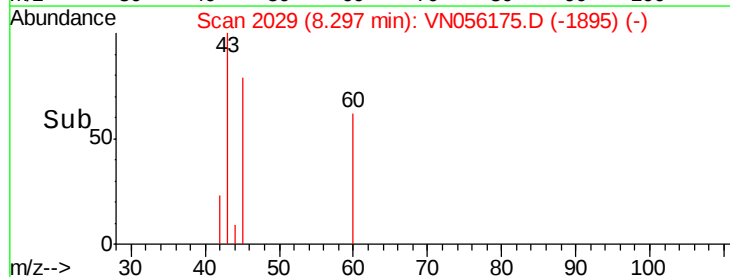
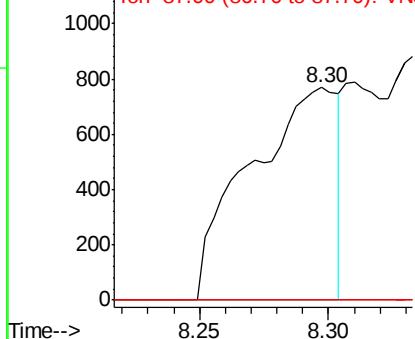


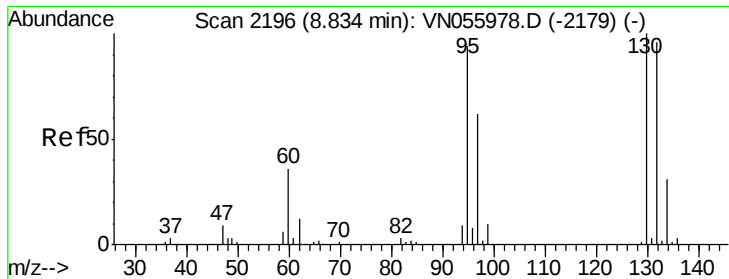
#43
Isopropyl Acetate
Concen: 0.326 ug/l
RT: 8.30 min Scan# 2029
Delta R.T. 0.13 min
Lab File: VN056175.D
Acq: 10 Jun 2019 17:28

Tgt Ion: 43 Resp: 1821
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): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#44

Trichloroethene

Concen: 1.105 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056175.D

Acq: 10 Jun 2019 17:28

Instrument :

MSVOA_N

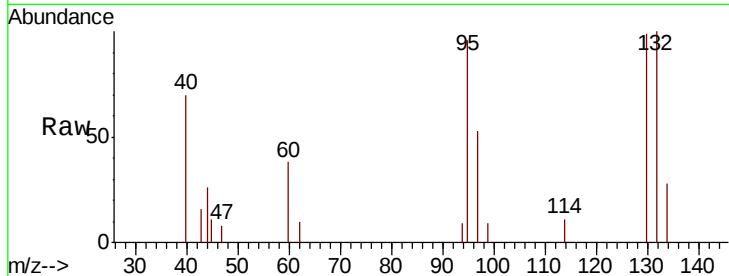
ClientSampleId :

Tot Ion:130 Resp: 3736

Ion Ratio Lower Upper

130 100

95 96.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

8.84

2000

1500

1000

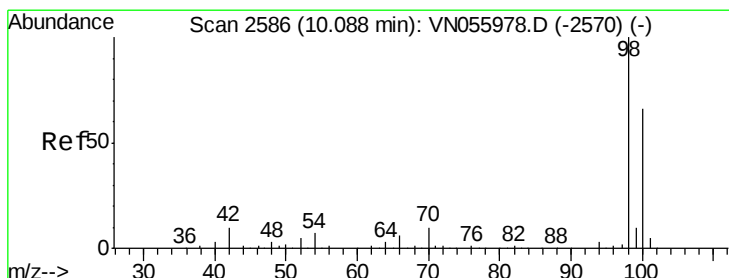
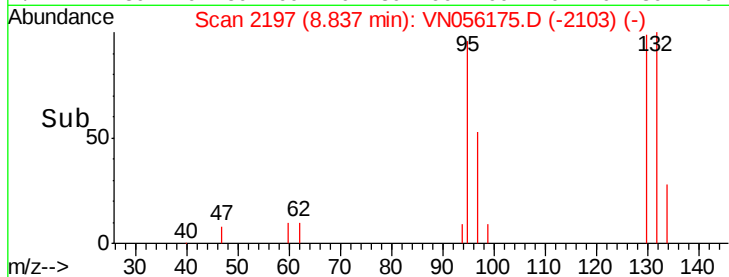
500

0

8.80

8.85

Time-->



#50

Toluene-d8

Concen: 54.058 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056175.D

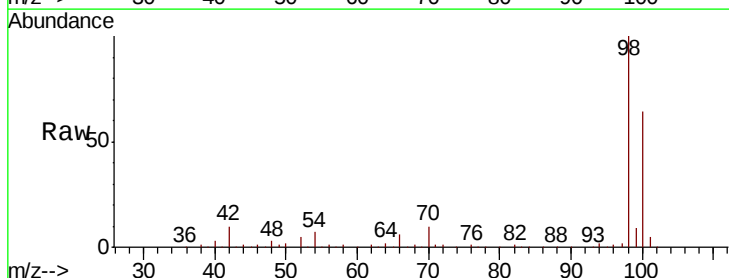
Acq: 10 Jun 2019 17:28

Tgt Ion: 98 Resp: 574969

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

300000

200000

100000

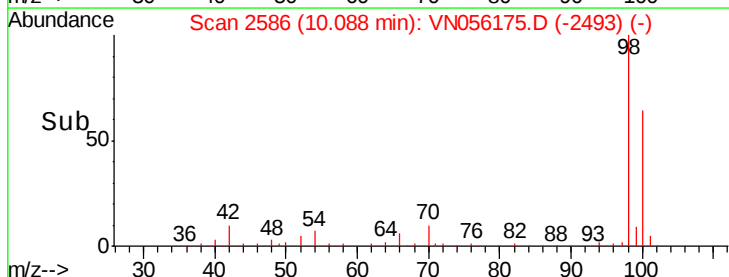
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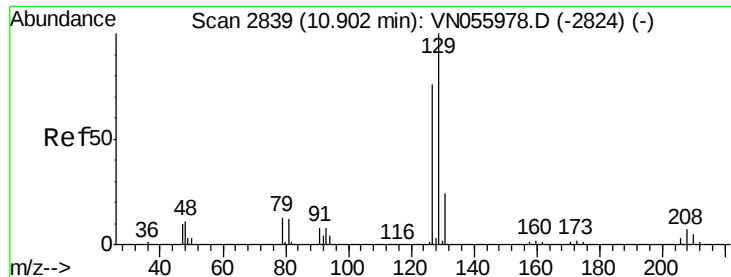
10.00

10.10

10.20

Time-->





#60

Dibromochloromethane

Concen: 2.561 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN056175.D

Acq: 10 Jun 2019 17:28

Instrument :

MSVOA_N

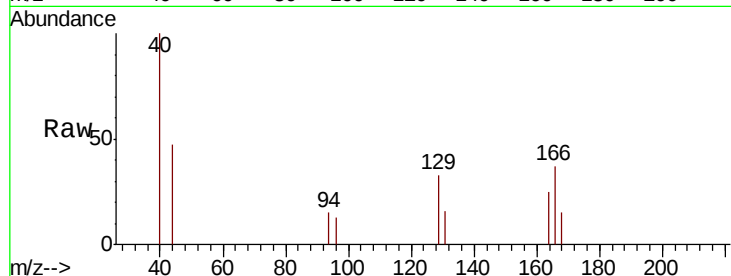
ClientSampleId :

Tot Ion:129 Resp: 368

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

400

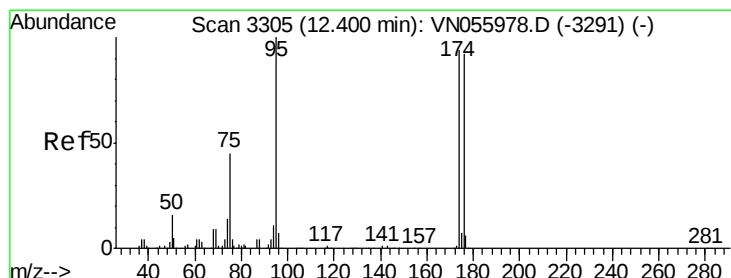
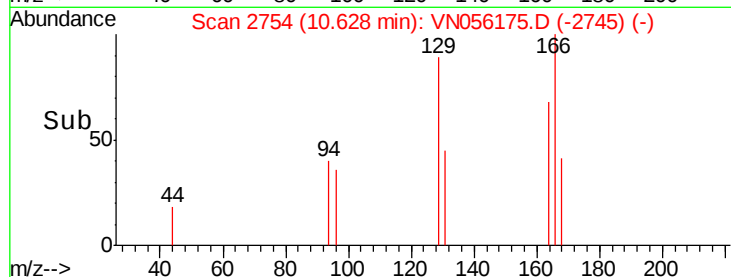
300

200

100

0

Time--> 10.60 10.62 10.64



#62

4-Bromofluorobenzene

Concen: 50.328 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056175.D

Acq: 10 Jun 2019 17:28

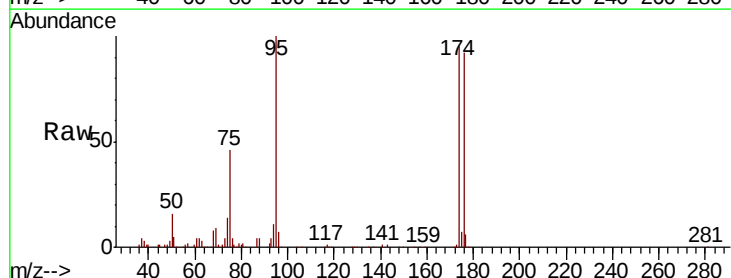
Tgt Ion: 95 Resp: 182042

Ion Ratio Lower Upper

95 100

174 96.8 0.0 191.0

176 93.9 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

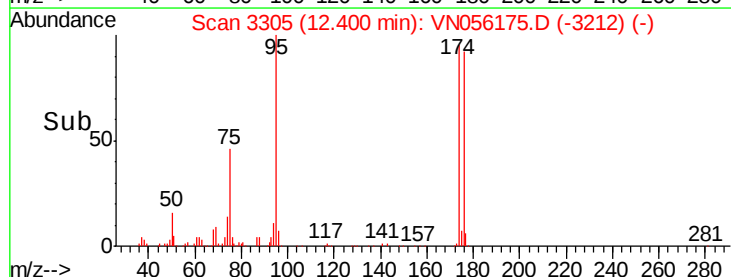
12.40

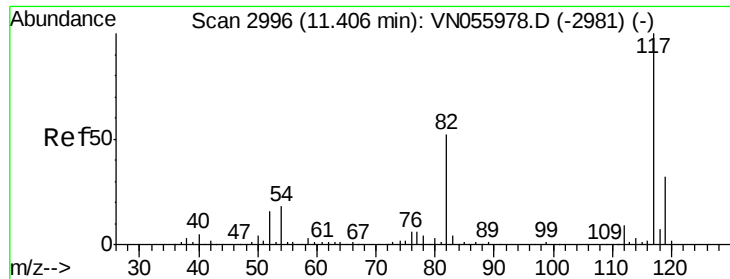
100000

50000

0

Time--> 12.30 12.40 12.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056175.D

Acq: 10 Jun 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

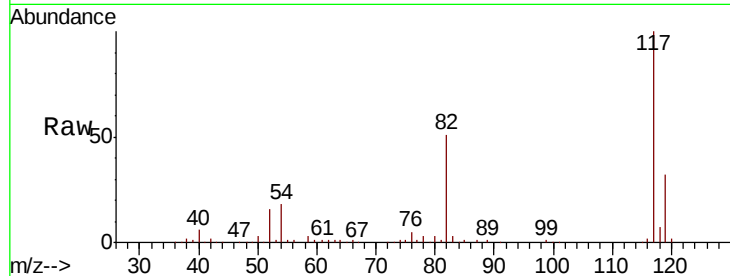
Tot Ion:117 Resp: 432957

Ion Ratio Lower Upper

117 100

82 51.4 41.8 62.8

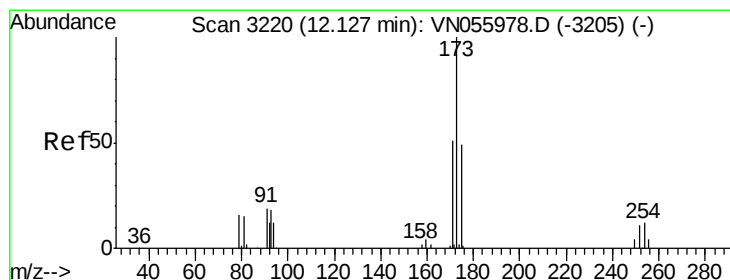
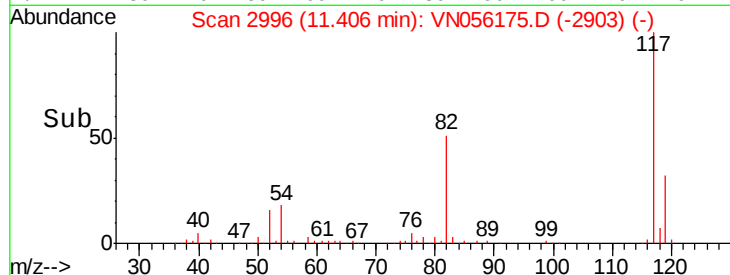
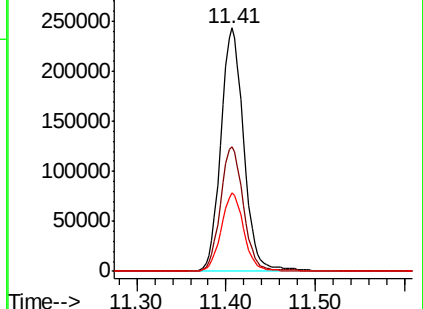
119 32.0 25.4 38.0



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: 3.200 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056175.D

Acq: 10 Jun 2019 17:28

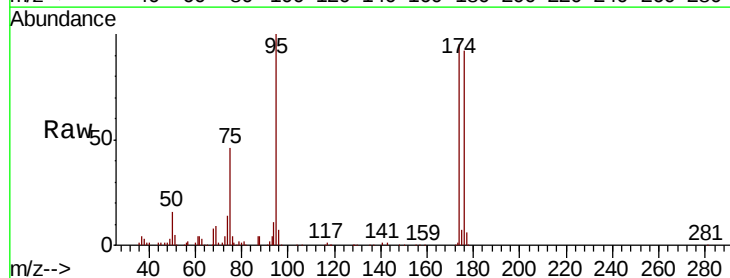
Tgt Ion:173 Resp: 1210

Ion Ratio Lower Upper

173 100

175 919.7 24.3 72.8#

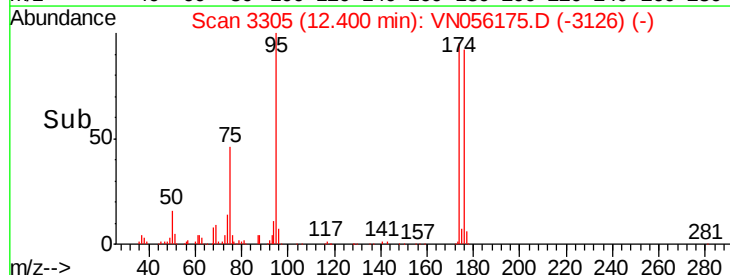
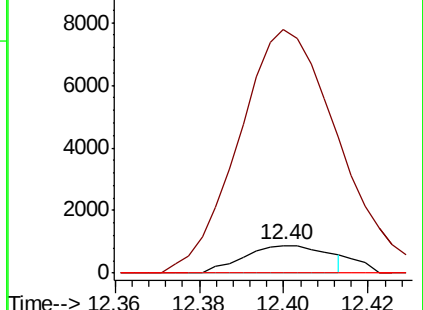
254 0.0 0.0 0.0

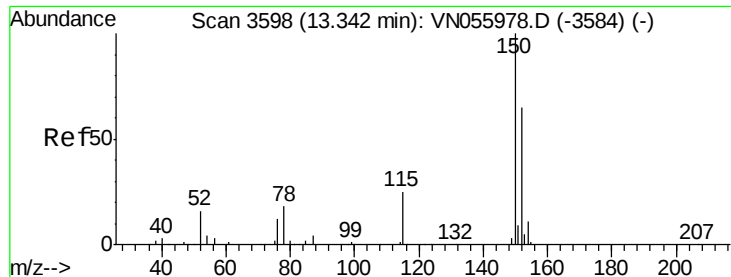


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN056175.D

Acq: 10 Jun 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

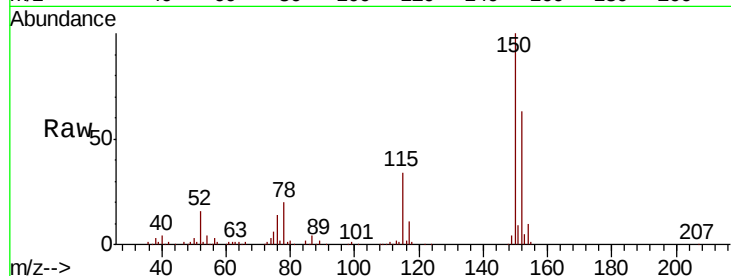
Tot Ion:152 Resp: 135339

Ion Ratio Lower Upper

152 100

115 53.2 27.0 81.0

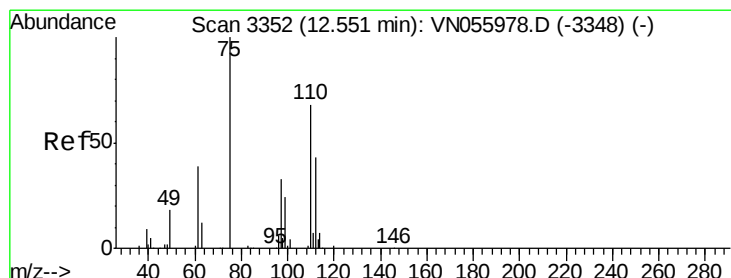
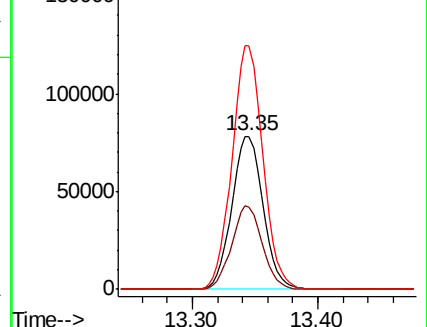
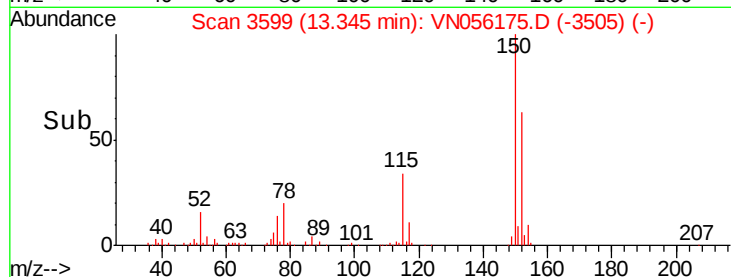
150 157.2 0.0 343.2



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: 33.306 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056175.D

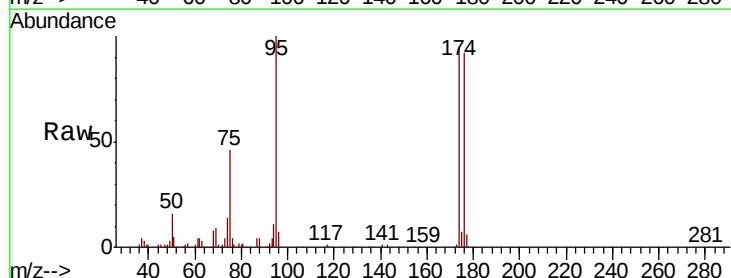
Acq: 10 Jun 2019 17:28

Tgt Ion: 75 Resp: 82942

Ion Ratio Lower Upper

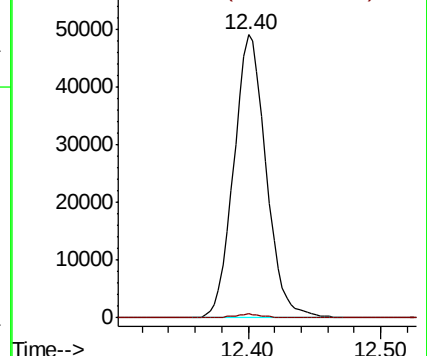
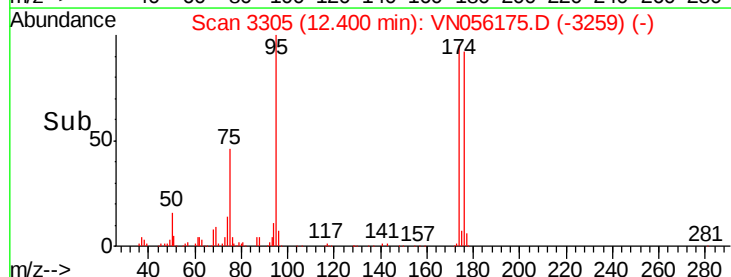
75 100

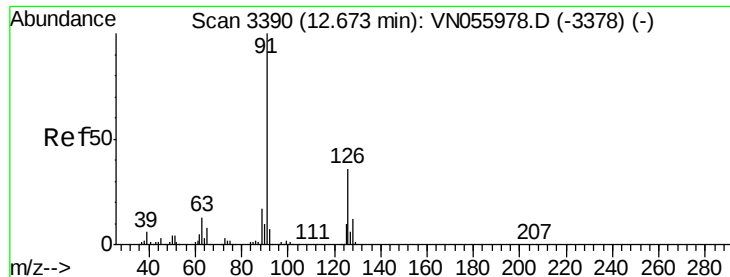
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.27 min

Lab File: VN056175.D

Acq: 10 Jun 2019 17:28

Instrument :

MSVOA_N

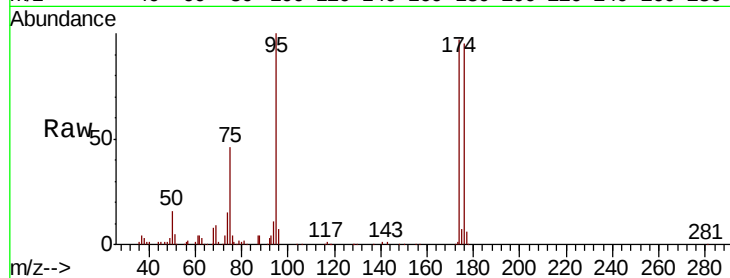
ClientSampleId :

Tot Ion: 91 Resp: 422

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

12.40

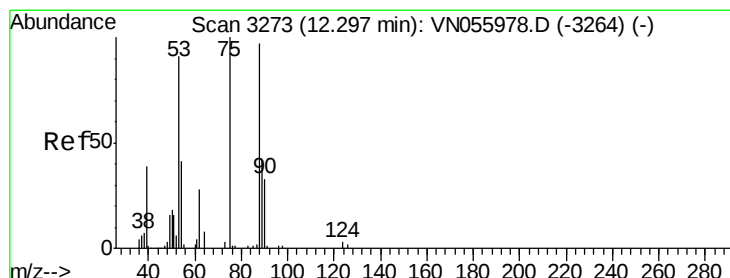
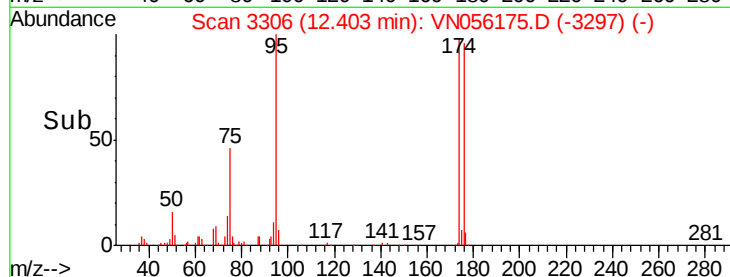
300

200

100

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 110.916 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056175.D

Acq: 10 Jun 2019 17:28

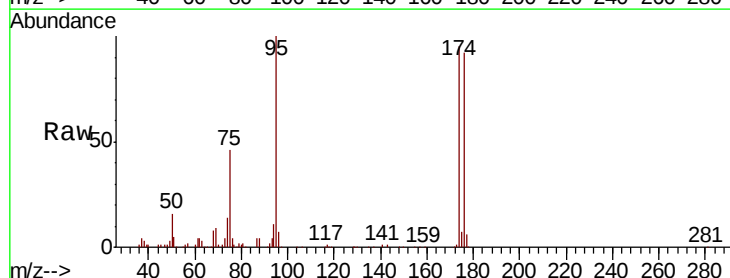
Tgt Ion: 75 Resp: 82942

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

60000

40000

20000

0

Time-->

