

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056294.D
 Acq On : 13 Jun 2019 20:17
 Operator : JC/SP
 Sample : K3345-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 14 01:15:12 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	353872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	589137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	582940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	184007	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	200903	57.18	ug/l	0.00
Spiked Amount			Recovery	=	114.36%	
35) Dibromofluoromethane	7.59	113	182642	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
50) Toluene-d8	10.09	98	731807	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
62) 4-Bromofluorobenzene	12.40	95	238882	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	

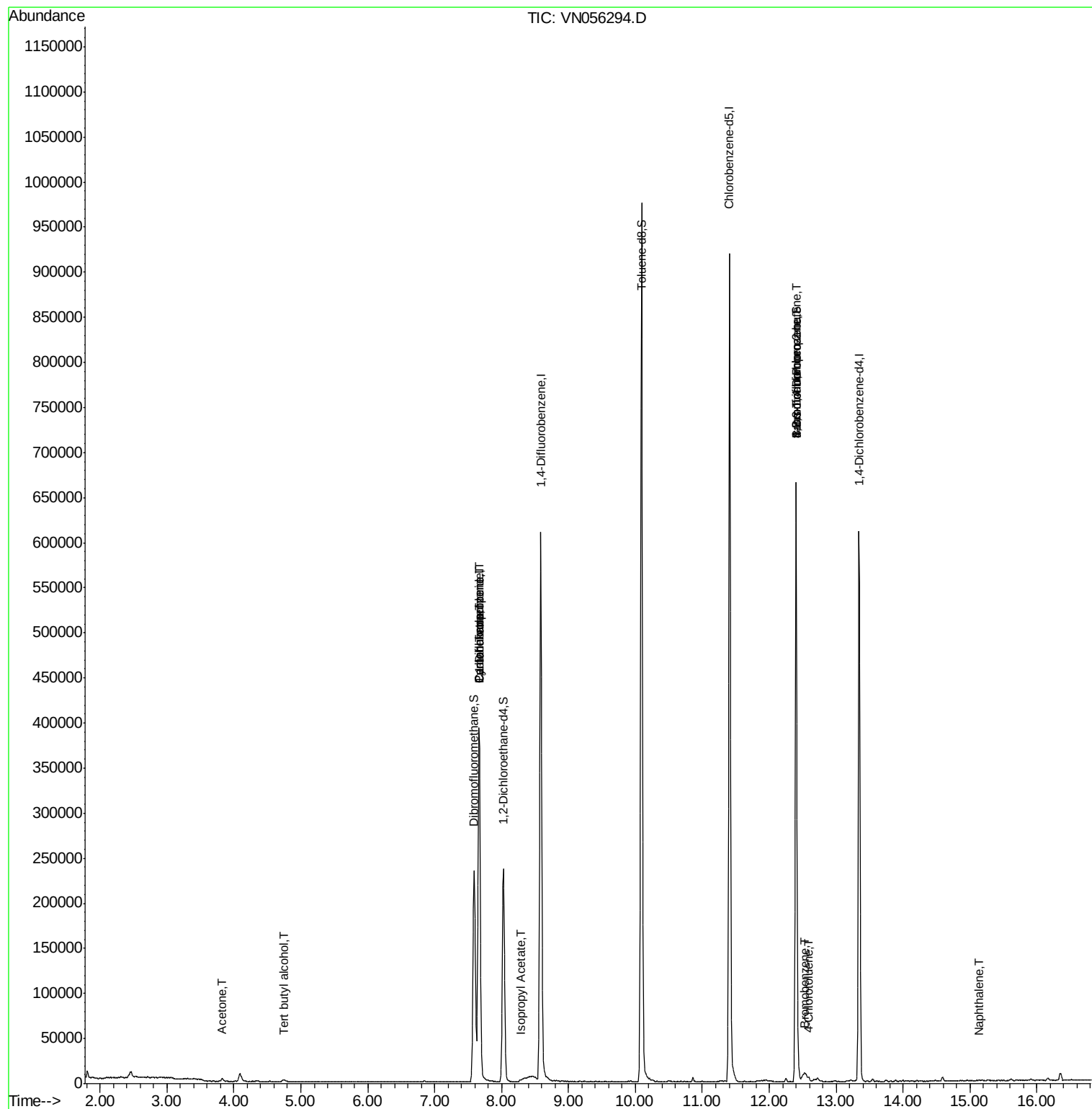
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	2468	4.036	ug/l #	74
16) Acetone	3.83	43	4804	2.859	ug/l	97
31) Cyclohexane	7.66	56	5805	1.041	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	23346	4.609	ug/l #	47
38) Carbon Tetrachloride	7.66	117	30283	6.484	ug/l #	15
43) Isopropyl Acetate	8.29	43	1910	0.262	ug/l #	53
71) Bromoform	12.40	173	1546	3.177	ug/l #	1
73) Isopropylbenzene	12.25	105	3148	Below Cal		90
76) 1,2,3-Trichloropropane	12.40	75	111474	32.924	ug/l #	100
77) Bromobenzene	12.53	156	10246	2.601	ug/l #	1
79) 2-Chlorotoluene	12.59	91	2313	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	111474	109.643	ug/l #	15
82) 4-Chlorotoluene	12.59	91	2313	0.254	ug/l #	39
95) Naphthalene	15.14	128	1433	4.002	ug/l #	69

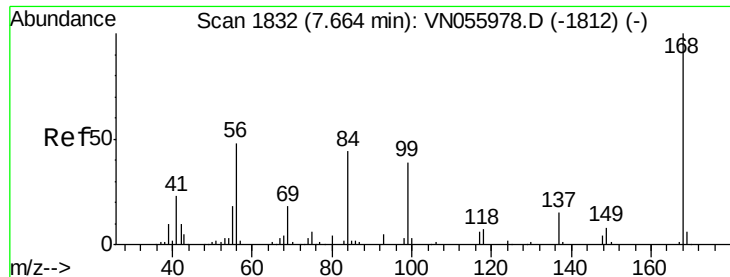
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056294.D

Acq: 13 Jun 2019 20:17

Instrument :

MSVOA_N

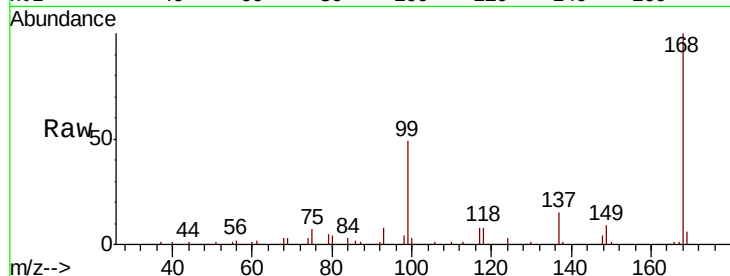
ClientSampleId :

Tot Ion:168 Resp: 353872

Ion Ratio Lower Upper

168 100

99 49.0 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

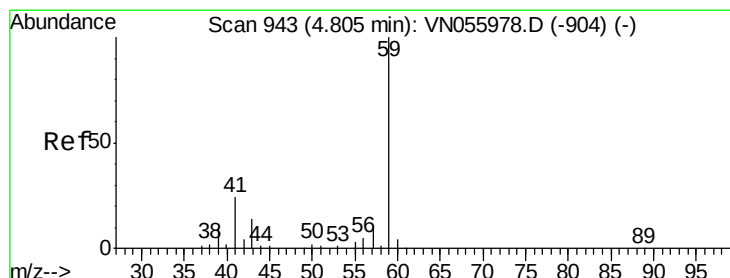
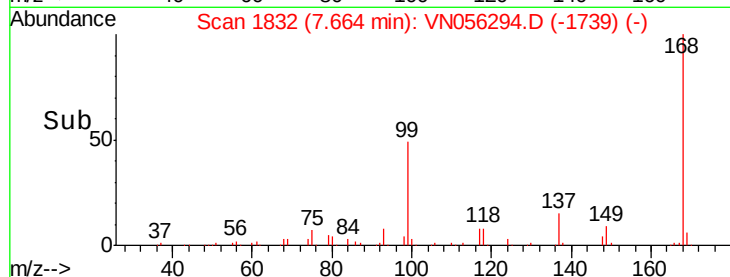
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.036 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.06 min

Lab File: VN056294.D

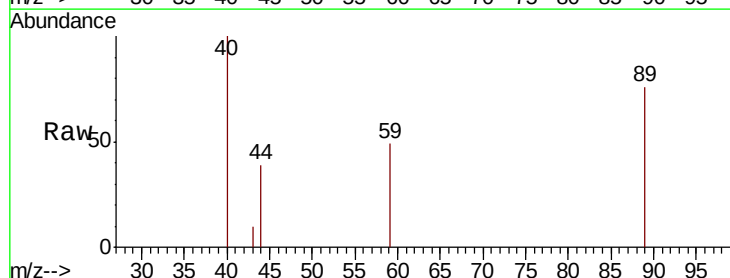
Acq: 13 Jun 2019 20:17

Tgt Ion: 59 Resp: 2468

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.74

800

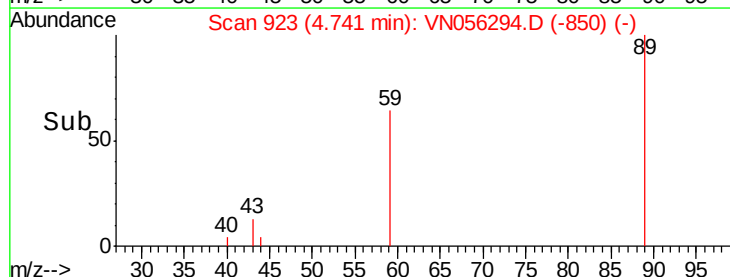
600

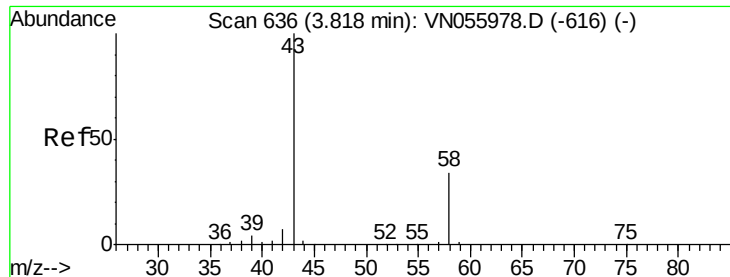
400

200

0

Time-->





#16

Acetone

Concen: 2.859 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN056294.D

Acq: 13 Jun 2019 20:17

Instrument :

MSVOA_N

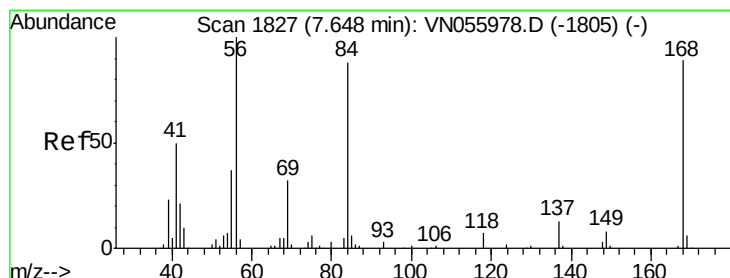
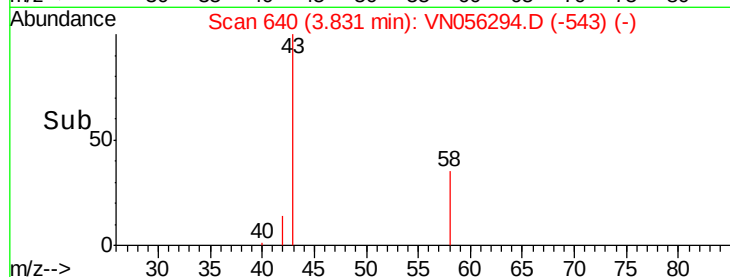
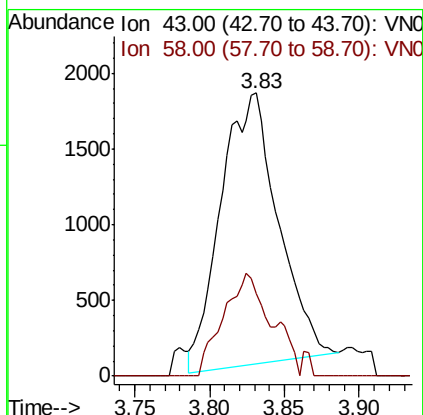
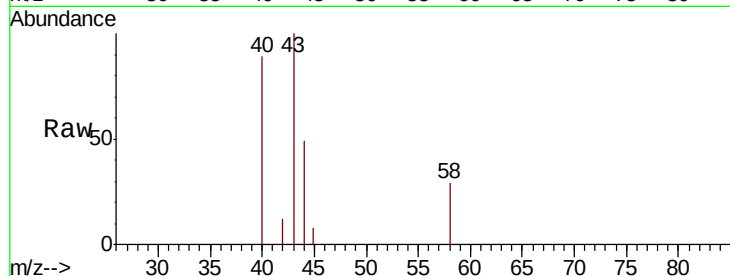
ClientSampleId :

Tot Ion: 43 Resp: 4804

Ion Ratio Lower Upper

43 100

58 31.5 26.6 39.8



#31

Cyclohexane

Concen: 1.041 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN056294.D

Acq: 13 Jun 2019 20:17

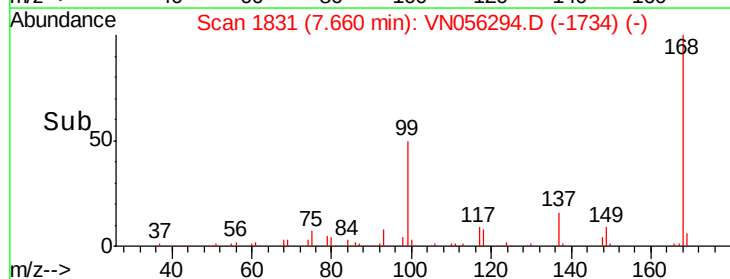
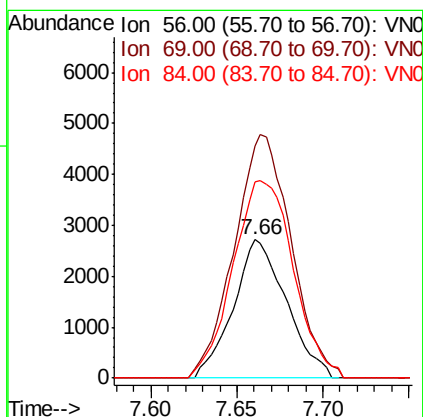
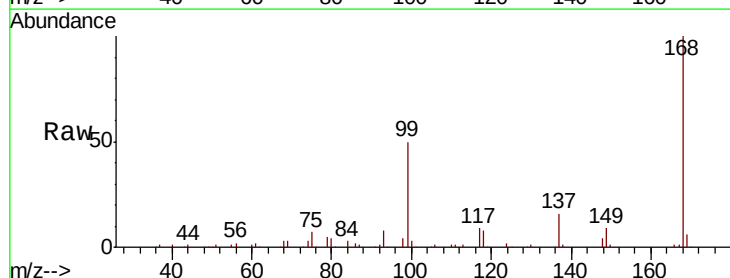
Tgt Ion: 56 Resp: 5805

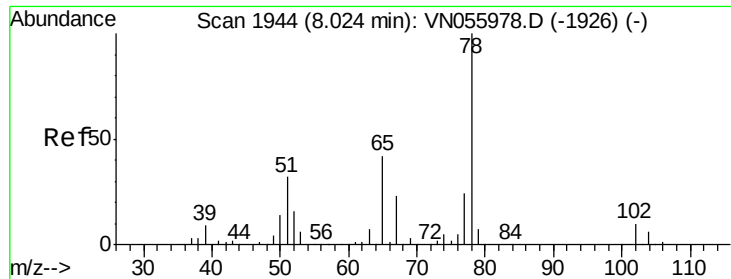
Ion Ratio Lower Upper

56 100

69 167.3 25.6 38.4#

84 142.0 67.4 101.0#

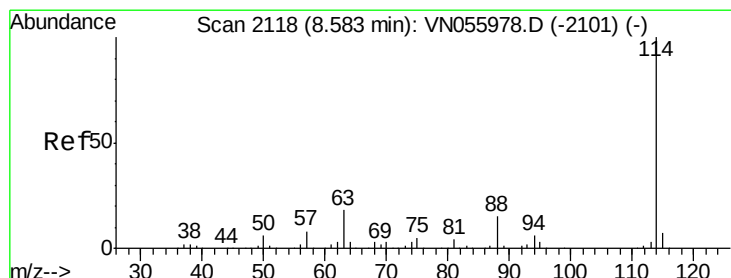
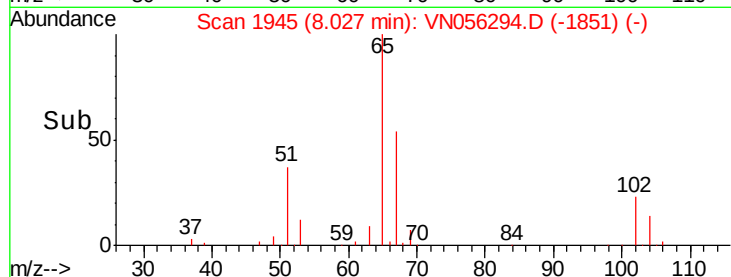
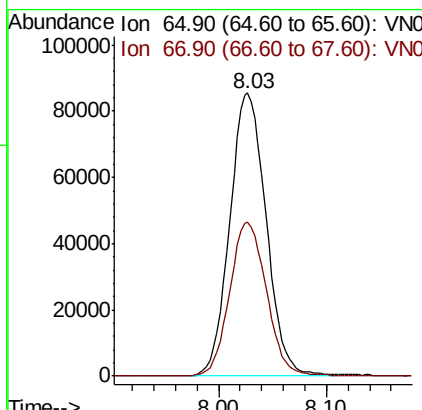
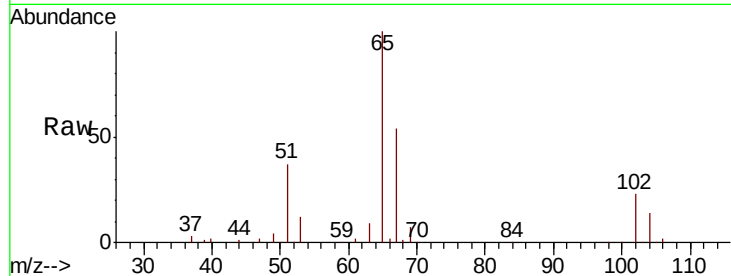




#33
 1,2-Dichloroethane-d4
 Concen: 57.178 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056294.D
 Acq: 13 Jun 2019 20:17

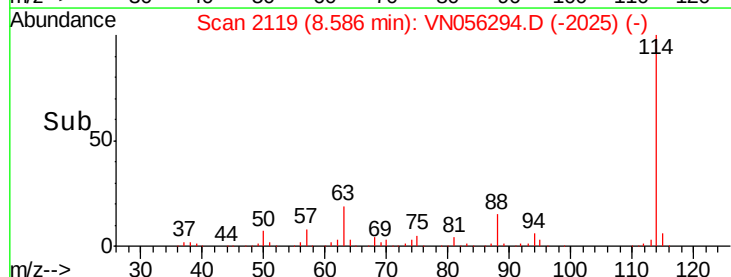
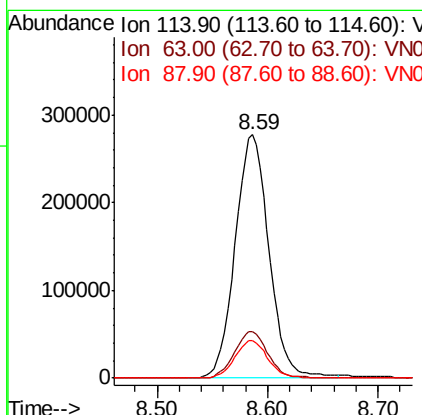
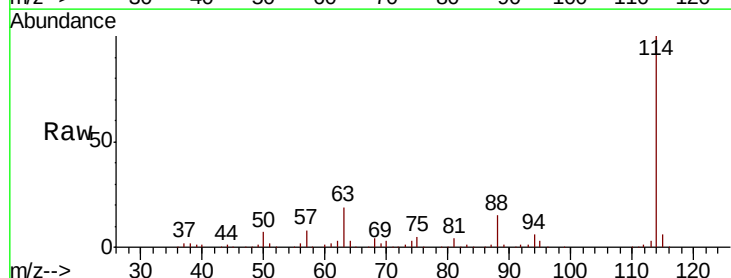
Instrument :
 MSVOA_N
 ClientSampleId :

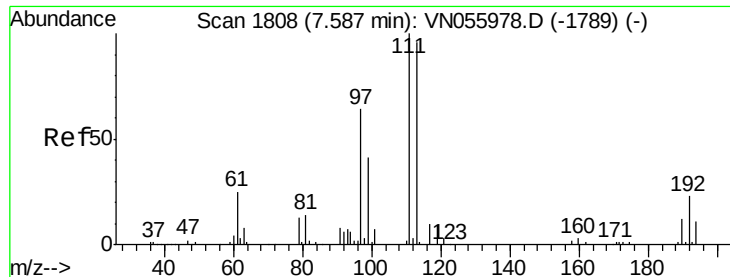
Tot Ion: 65 Resp: 200903
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056294.D
 Acq: 13 Jun 2019 20:17

Tgt Ion: 114 Resp: 589137
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.2
 88 15.2 0.0 31.0

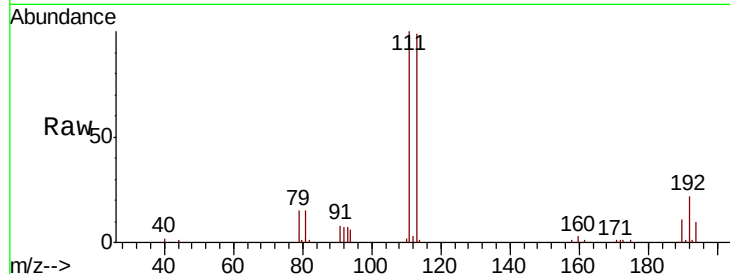




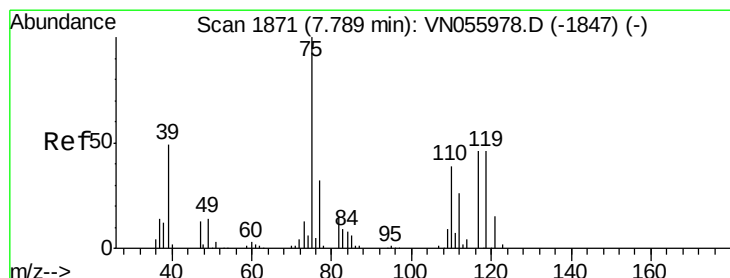
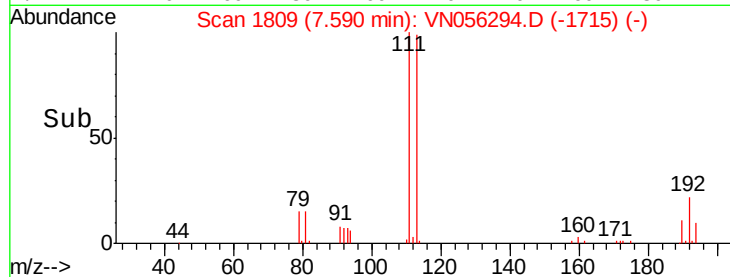
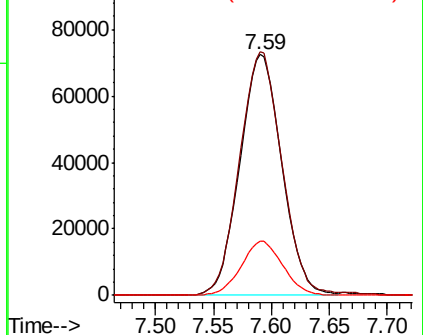
#35
 Dibromofluoromethane
 Concen: 50.530 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056294.D
 Acq: 13 Jun 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 182642
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.9 122.9
 192 22.4 19.5 29.3

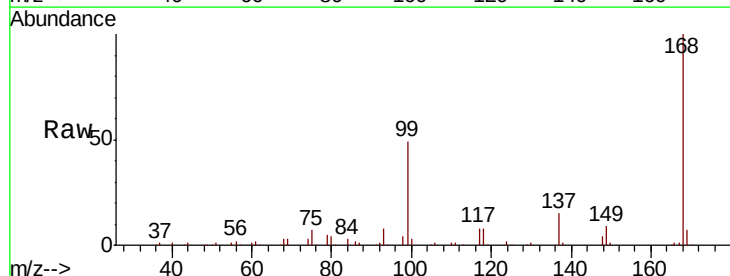


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

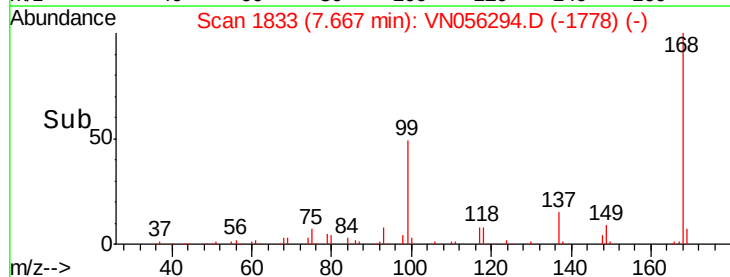
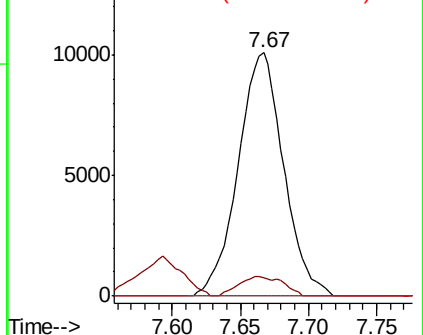


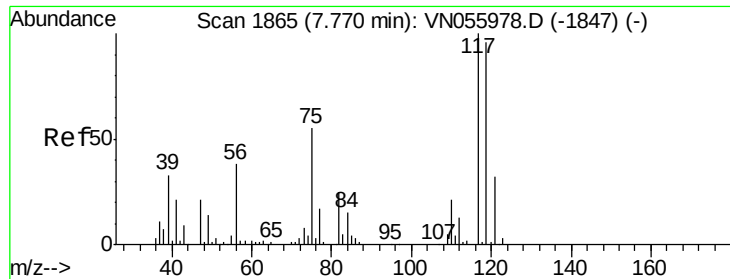
#36
 1,1-Dichloropropene
 Concen: 4.609 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN056294.D
 Acq: 13 Jun 2019 20:17

Tgt Ion: 75 Resp: 23346
 Ion Ratio Lower Upper
 75 100
 110 7.7 19.0 57.0#
 77 0.0 25.1 37.7#



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





#38

Carbon Tetrachloride

Concen: 6.484 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056294.D

Acq: 13 Jun 2019 20:17

Instrument :

MSVOA_N

ClientSampled :

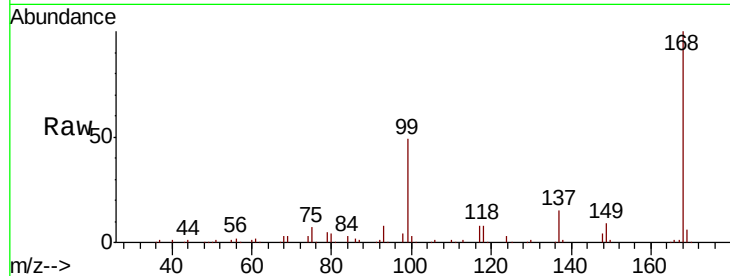
Tot Ion:117 Resp: 30283

Ion Ratio Lower Upper

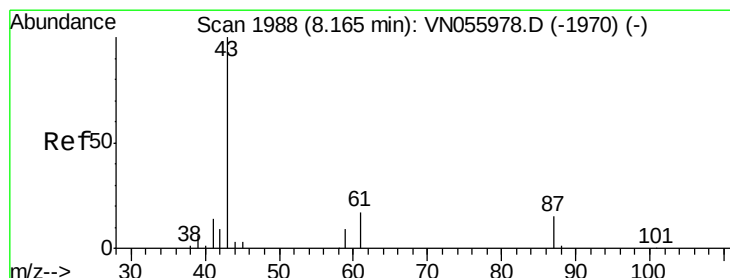
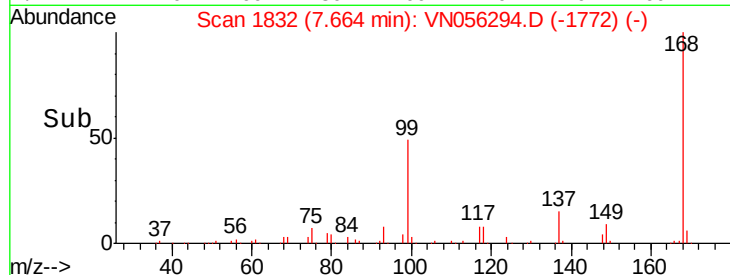
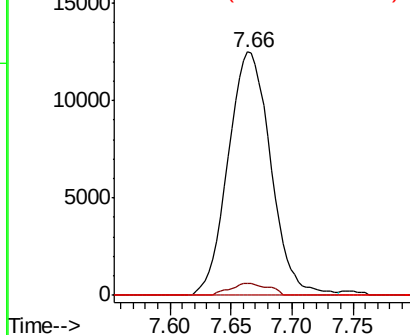
117 100

119 5.0 79.0 118.6#

121 0.0 24.7 37.1#



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



#43

Isopropyl Acetate

Concen: 0.262 ug/l

RT: 8.29 min Scan# 2027

Delta R.T. 0.13 min

Lab File: VN056294.D

Acq: 13 Jun 2019 20:17

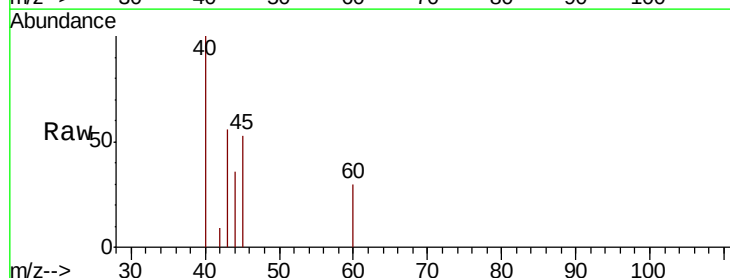
Tgt Ion: 43 Resp: 1910

Ion Ratio Lower Upper

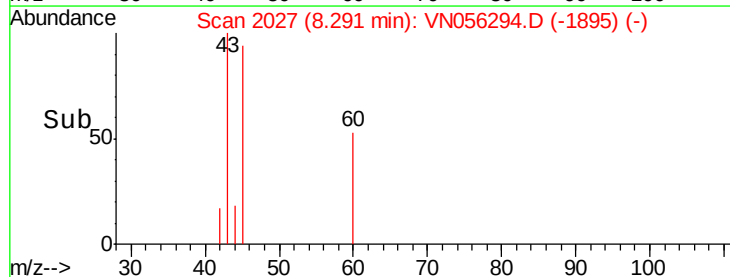
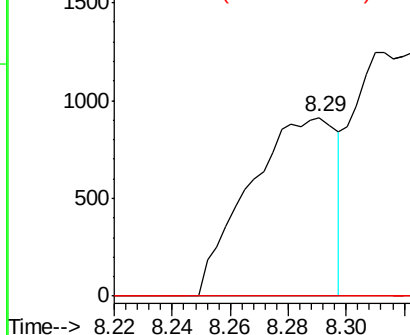
43 100

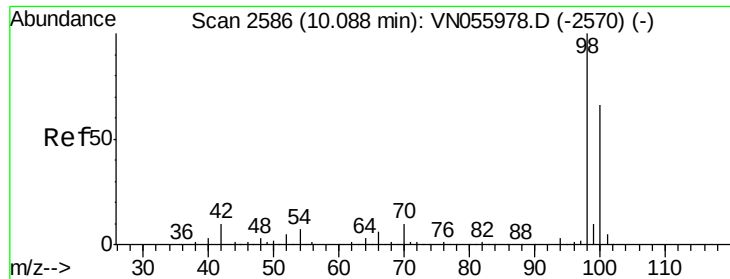
61 0.0 22.2 33.4#

87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 52.615 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056294.D

Acq: 13 Jun 2019 20:17

Instrument :

MSVOA_N

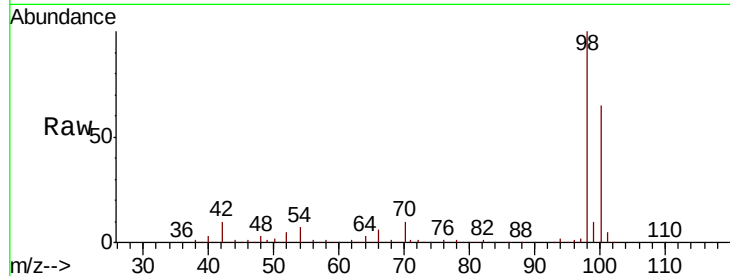
ClientSampled :

Tot Ion: 98 Resp: 731807

Ion Ratio Lower Upper

98 100

100 64.1 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

400000

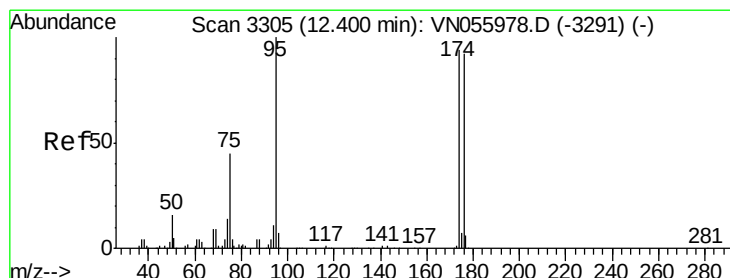
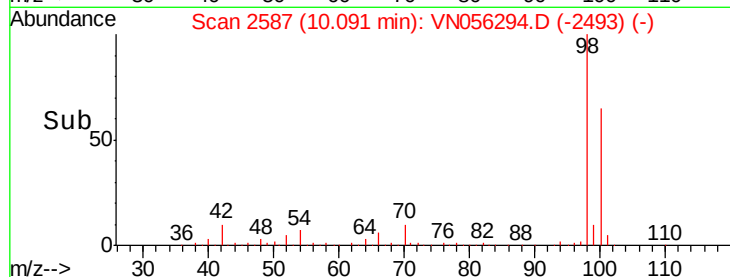
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.503 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056294.D

Acq: 13 Jun 2019 20:17

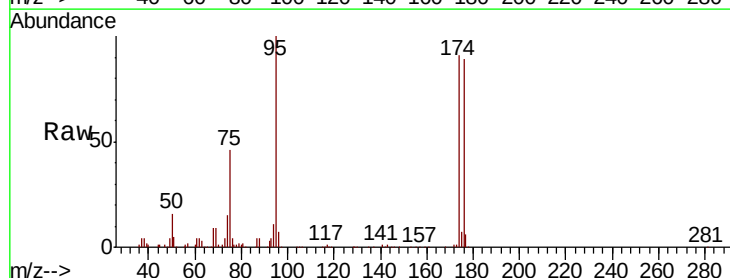
Tgt Ion: 95 Resp: 238882

Ion Ratio Lower Upper

95 100

174 92.3 0.0 191.0

176 88.7 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) (-)

12.40

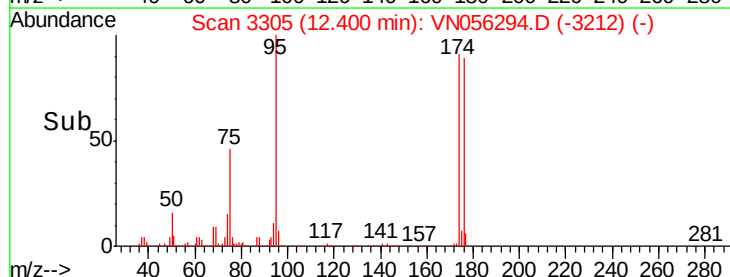
150000

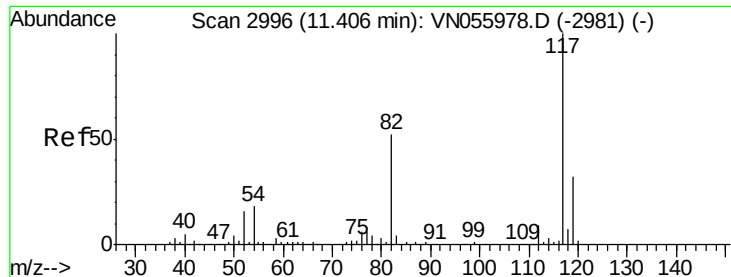
100000

50000

0

Time-->

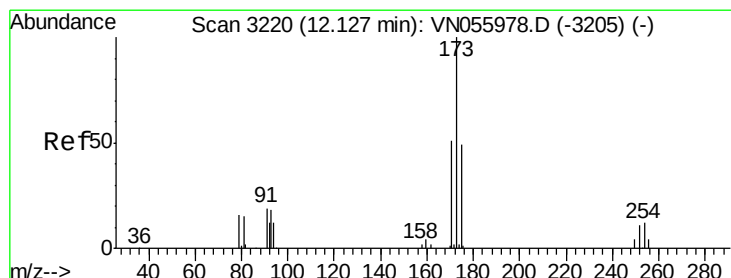
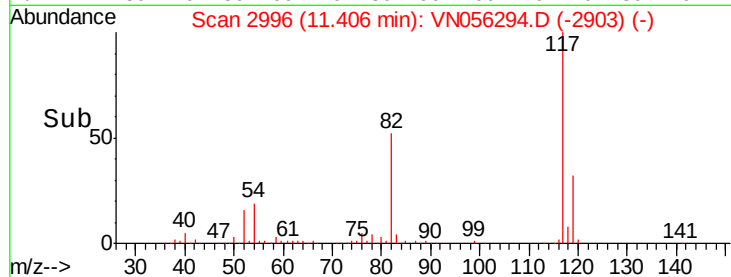
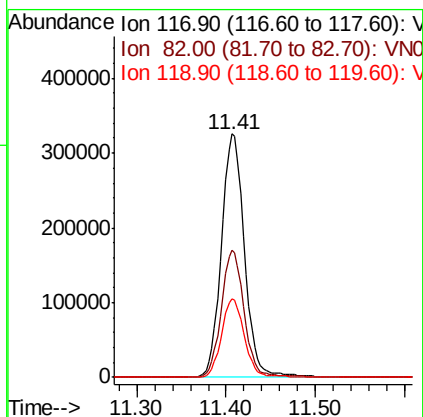
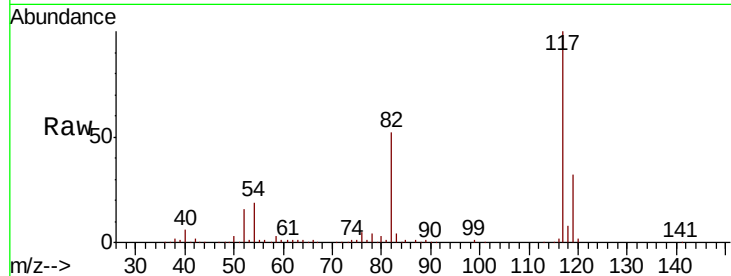




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056294.D
Acq: 13 Jun 2019 20:17

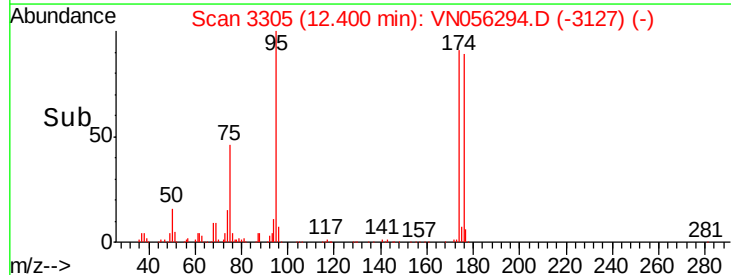
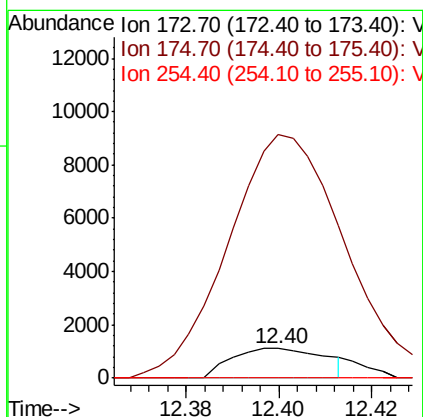
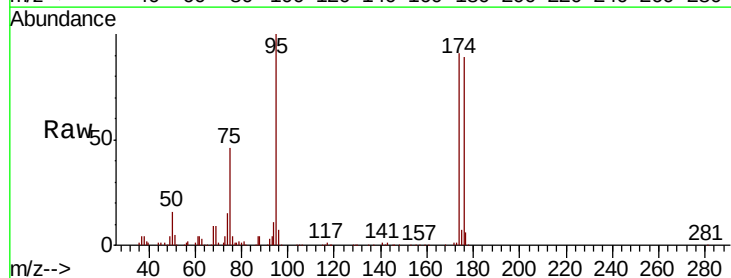
Instrument :
MSVOA_N
ClientSampleId :

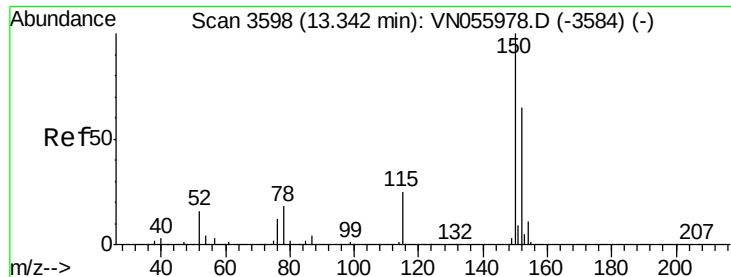
Tot Ion:117 Resp: 582940
Ion Ratio Lower Upper
117 100
82 52.5 41.8 62.8
119 32.3 25.4 38.0



#71
Bromoform
Concen: 3.177 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056294.D
Acq: 13 Jun 2019 20:17

Tgt Ion:173 Resp: 1546
Ion Ratio Lower Upper
173 100
175 883.4 24.3 72.8#
254 0.0 0.0 0.0



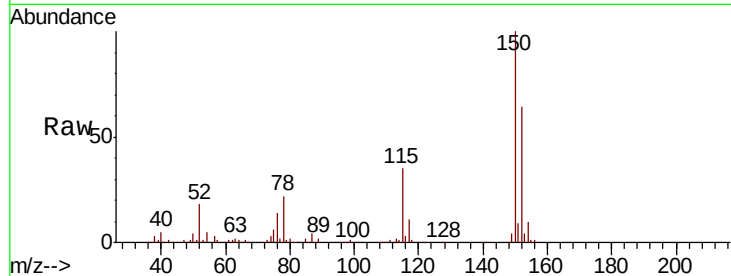


#72

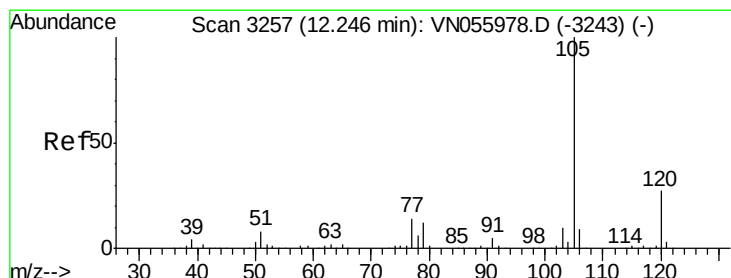
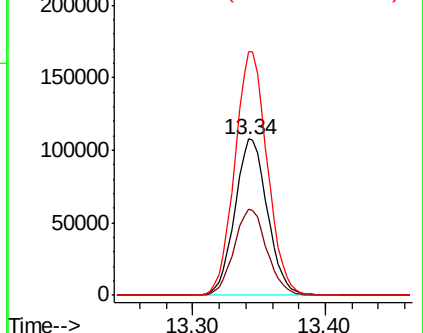
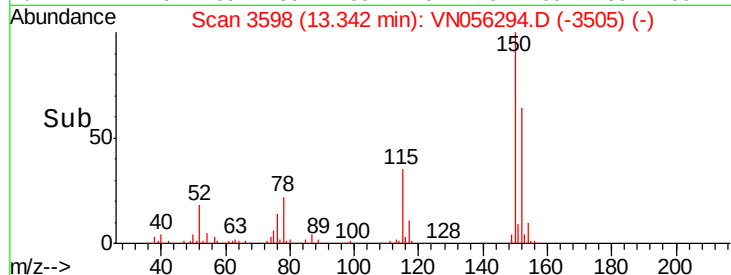
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056294.D
Acq: 13 Jun 2019 20:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.0	81.0
150	155.5	0.0	343.2



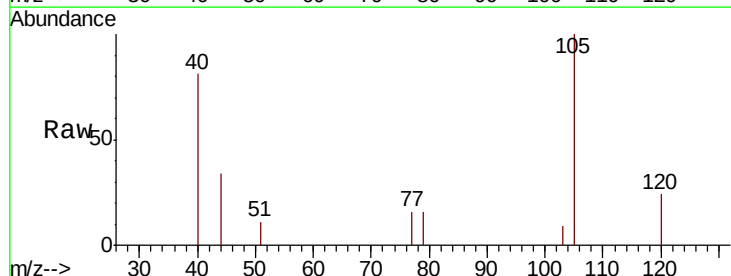
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



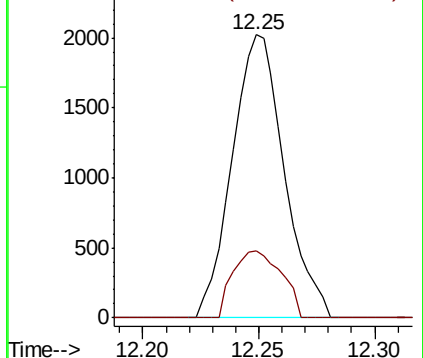
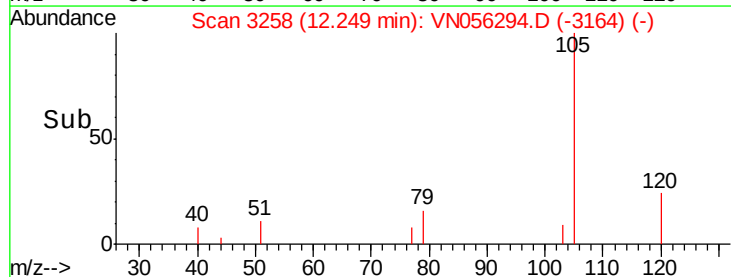
#73

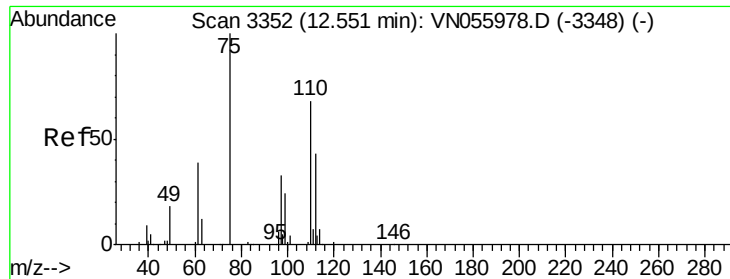
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056294.D
Acq: 13 Jun 2019 20:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	22.1	13.6	40.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

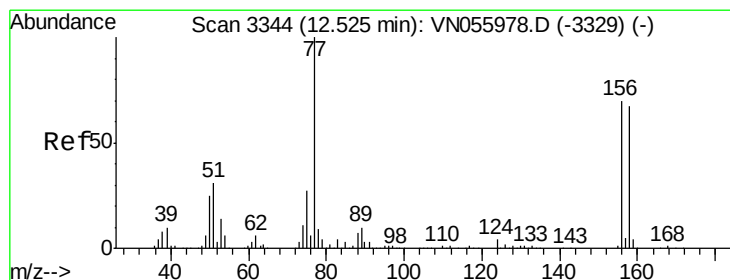
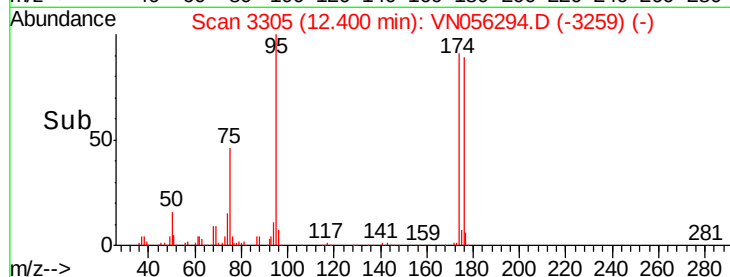
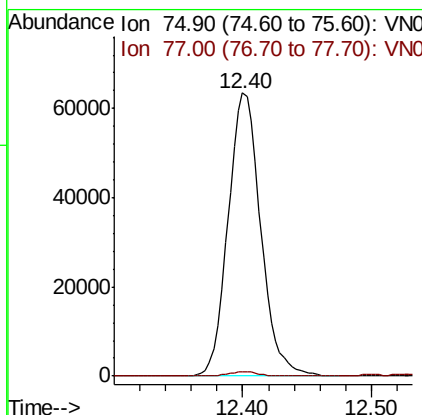
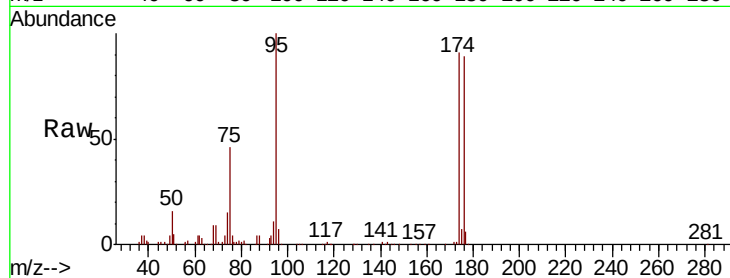




#76
 1,2,3-Trichloropropane
 Concen: 32.924 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN056294.D
 Acq: 13 Jun 2019 20:17

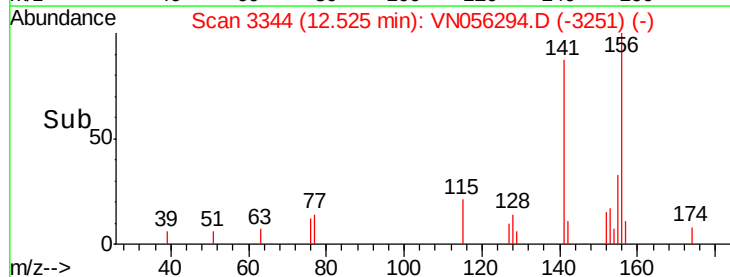
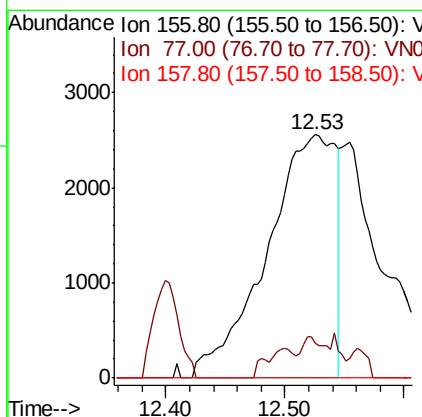
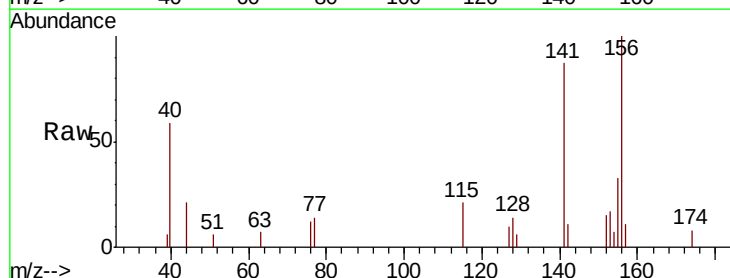
Instrument :
 MSVOA_N
 ClientSampled :

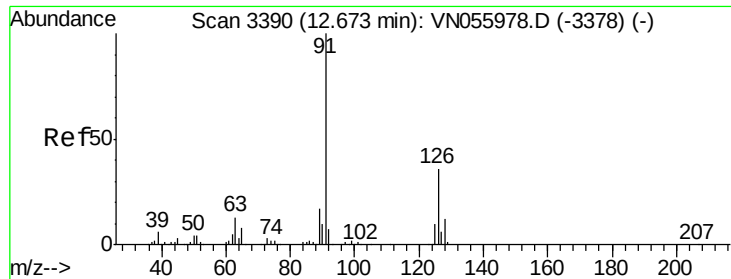
Tot Ion: 75 Resp: 111474
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#77
 Bromobenzene
 Concen: 2.601 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN056294.D
 Acq: 13 Jun 2019 20:17

Tgt Ion: 156 Resp: 10246
 Ion Ratio Lower Upper
 156 100
 77 2.1 90.8 272.5#
 158 0.0 49.3 147.8#

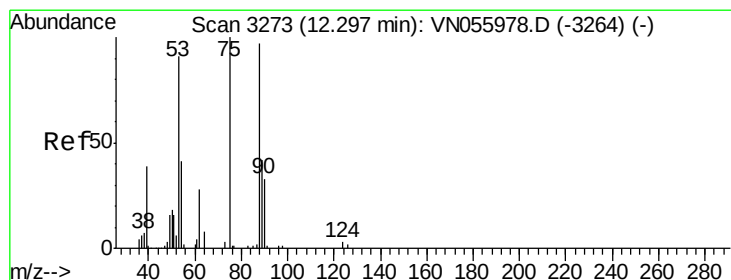
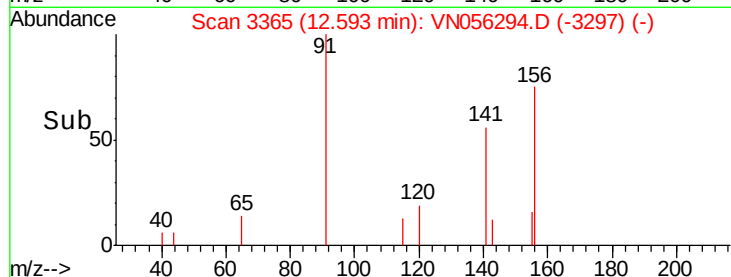
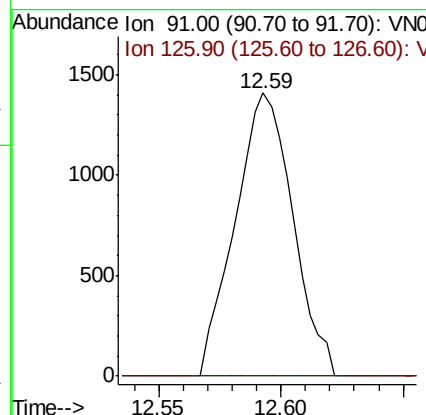
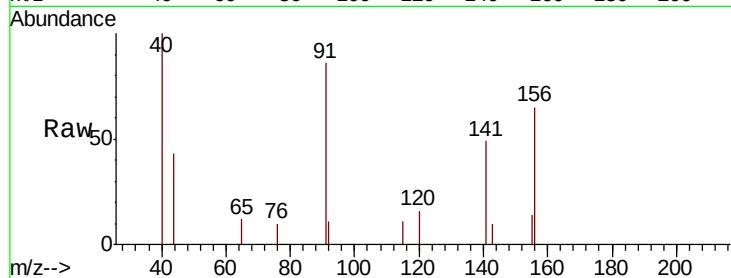




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.59 min Scan# 3365
 Delta R.T. -0.08 min
 Lab File: VN056294.D
 Acq: 13 Jun 2019 20:17

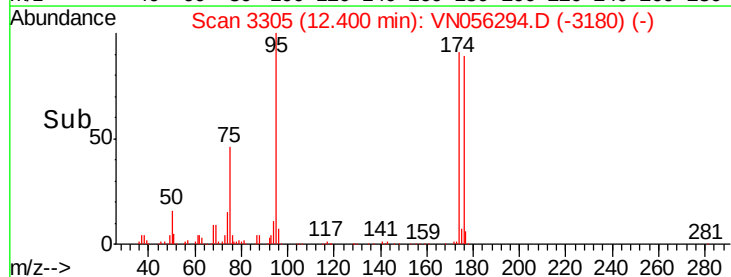
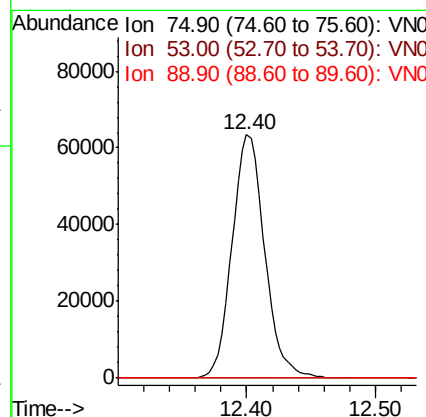
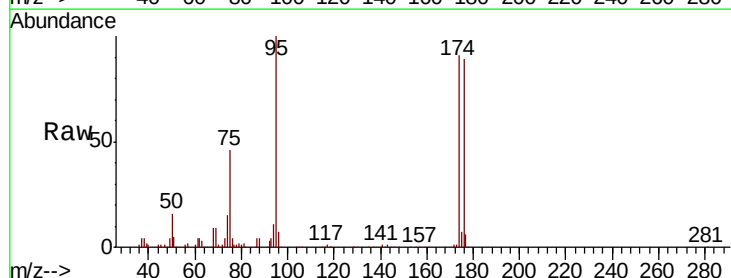
Instrument :
 MSVOA_N
 ClientSampleId :

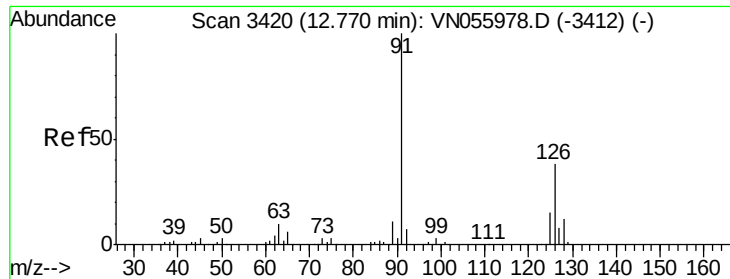
Tot Ion: 91 Resp: 2313
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.643 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056294.D
 Acq: 13 Jun 2019 20:17

Tgt Ion: 75 Resp: 111474
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.1 102.1#
 89 0.0 36.9 55.3#

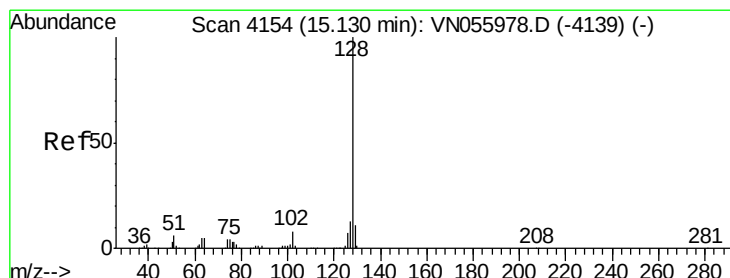
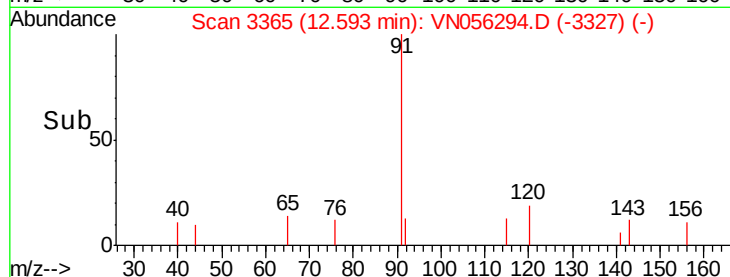
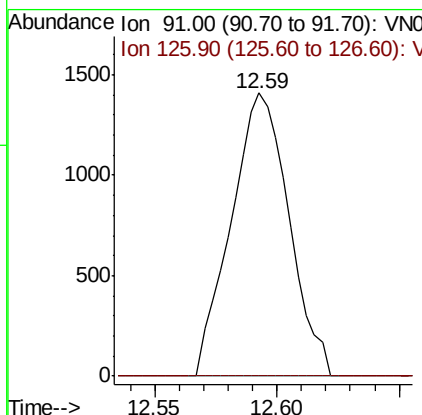
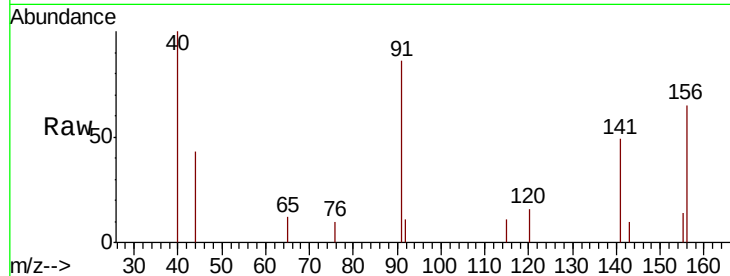




#82
 4-Chlorotoluene
 Concen: 0.254 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. -0.18 min
 Lab File: VN056294.D
 Acq: 13 Jun 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 91.00 Resp: 2313
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.8 53.3#



#95
 Naphthalene
 Concen: 4.002 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN056294.D
 Acq: 13 Jun 2019 20:17

Tgt Ion: 128 Resp: 1433
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.7 13.1#

