

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056174.D
 Acq On : 10 Jun 2019 17:03
 Operator : JC/SP
 Sample : K3280-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 02:21:12 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	313506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	481162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	458889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	139235	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	169989	54.61	ug/l	0.00
Spiked Amount			Recovery	=	109.22%	
35) Dibromofluoromethane	7.59	113	157502	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
50) Toluene-d8	10.09	98	608675	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.40	95	187317	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	

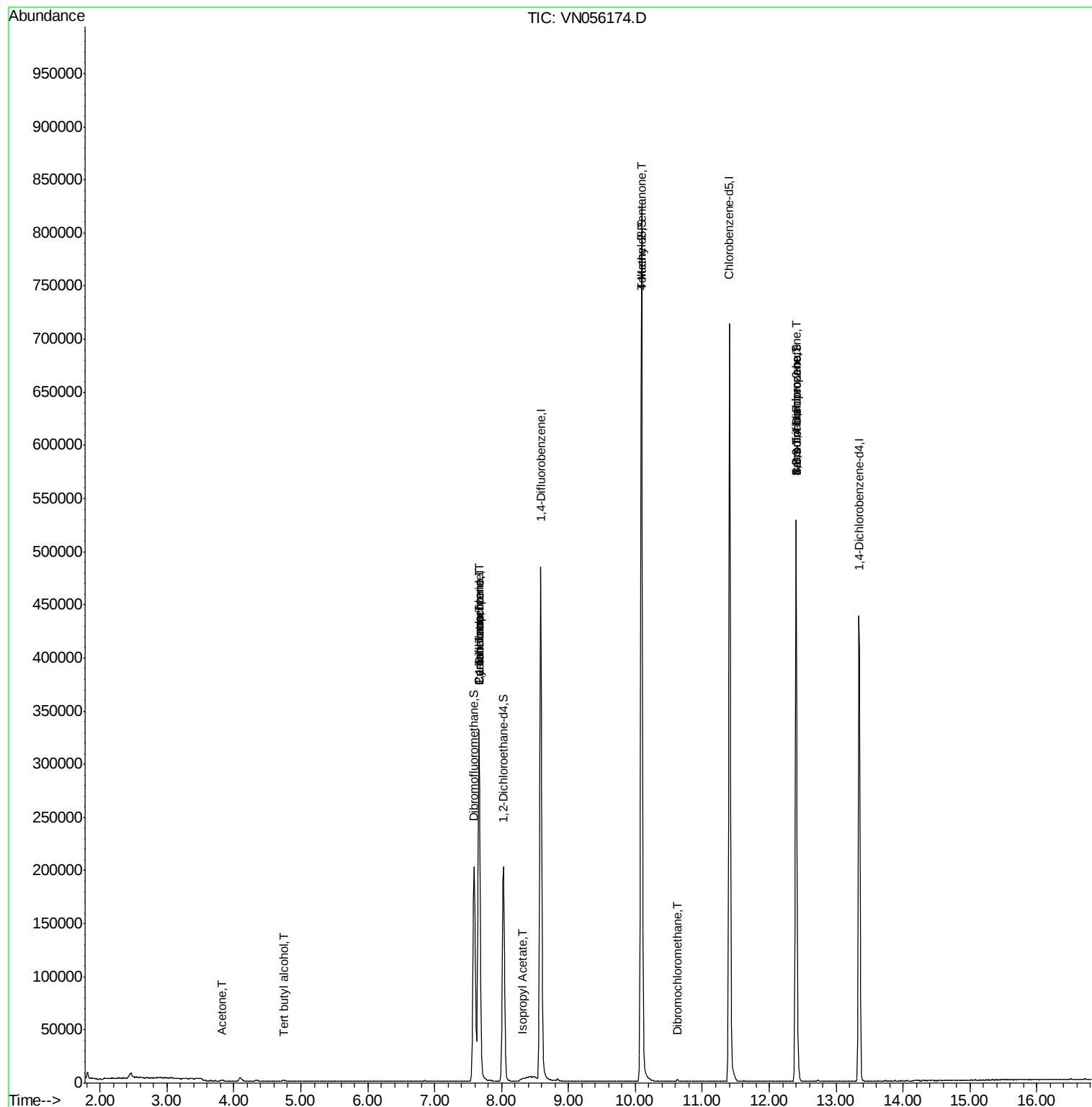
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	542	1.001	ug/l #	74
16) Acetone	3.83	43	1948	1.308	ug/l	90
18) Methyl Acetate	4.33	43	1005	Below Cal	#	72
31) Cyclohexane	7.66	56	4407	0.892	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18034	4.359	ug/l #	48
38) Carbon Tetrachloride	7.66	117	25313	6.636	ug/l #	14
43) Isopropyl Acetate	8.31	43	2299	0.385	ug/l #	53
51) 4-Methyl-2-Pentanone	10.09	43	2514	0.674	ug/l #	1
60) Dibromochloromethane	10.63	129	412	2.567	ug/l #	11
71) Bromoform	12.40	173	1385	3.237	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	86630	33.814	ug/l #	100
79) 2-Chlorotoluene	12.40	91	482	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	86630	112.606	ug/l #	15

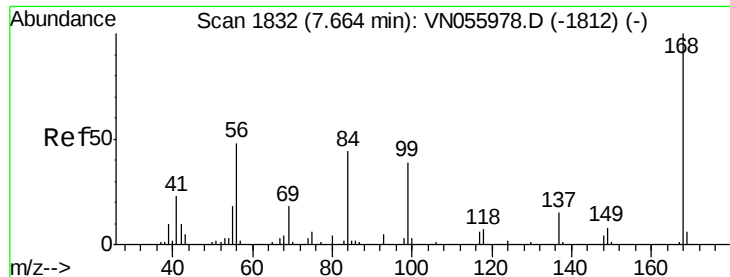
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056174.D

Acq: 10 Jun 2019 17:03

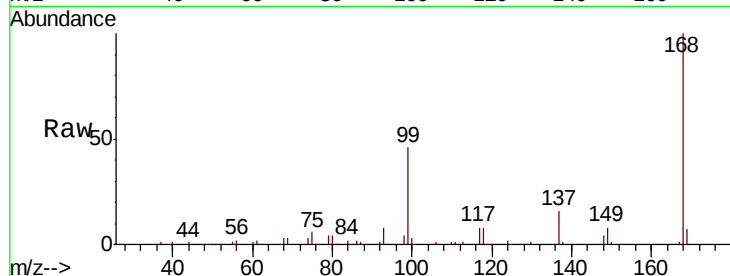
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 313506

Ion Ratio Lower Upper

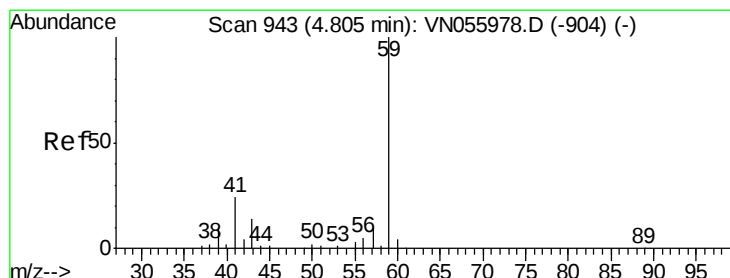
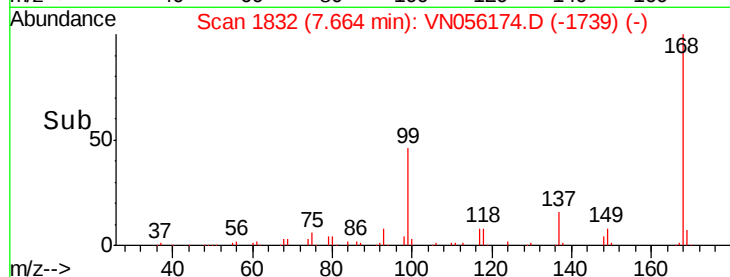
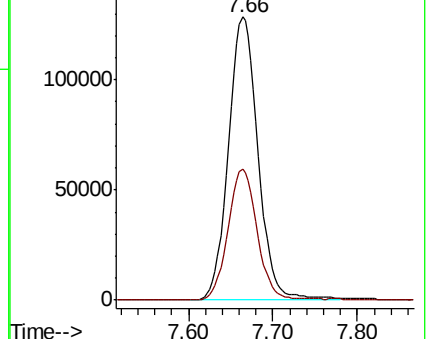
168 100

99 46.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 1.001 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.06 min

Lab File: VN056174.D

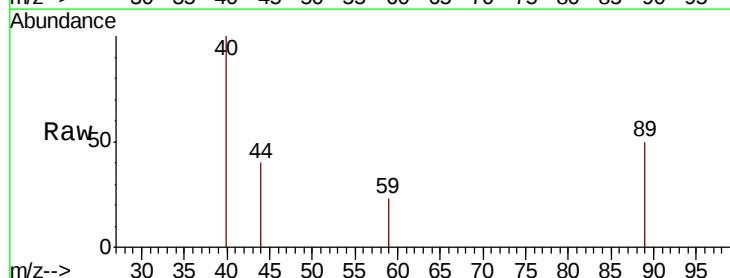
Acq: 10 Jun 2019 17:03

Tgt Ion: 59 Resp: 542

Ion Ratio Lower Upper

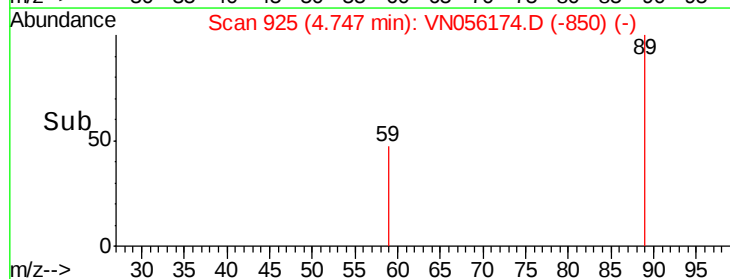
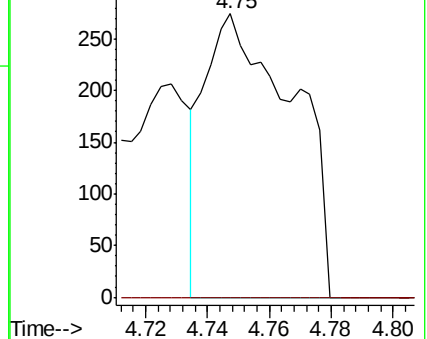
59 100

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





#16

Acetone

Concen: 1.308 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056174.D

Acq: 10 Jun 2019 17:03

Instrument :

MSVOA_N

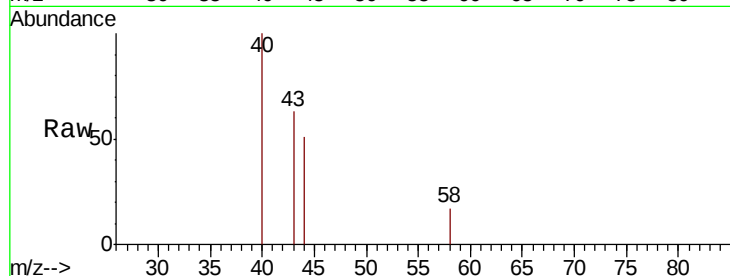
ClientSampled :

Tot Ion: 43 Resp: 1948

Ion Ratio Lower Upper

43 100

58 27.7 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

800

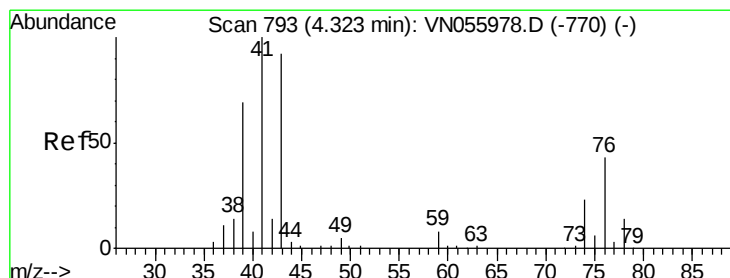
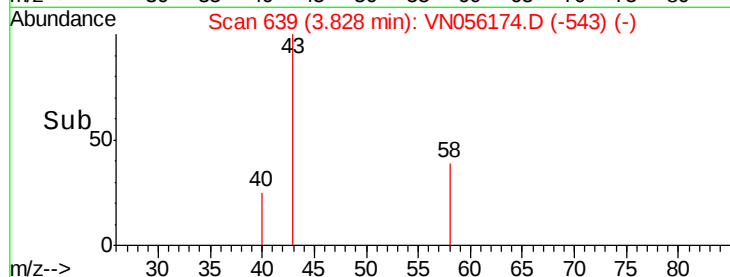
600

400

200

0

Time--> 3.75 3.80 3.85



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056174.D

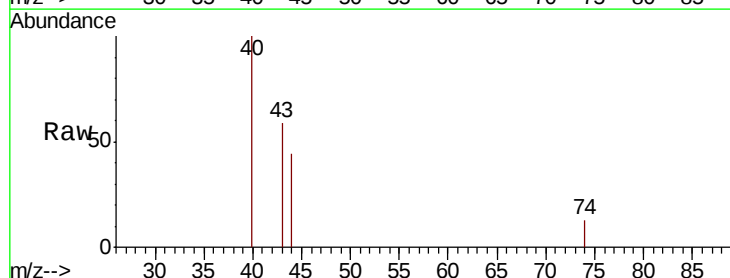
Acq: 10 Jun 2019 17:03

Tgt Ion: 43 Resp: 1005

Ion Ratio Lower Upper

43 100

74 10.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

800

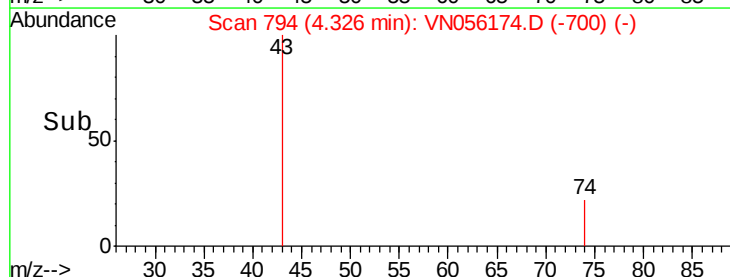
600

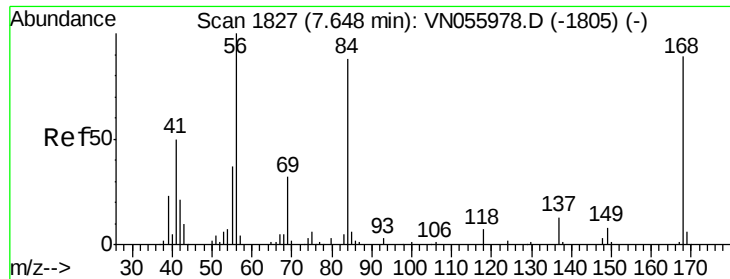
400

200

0

Time--> 4.28 4.30 4.32 4.34

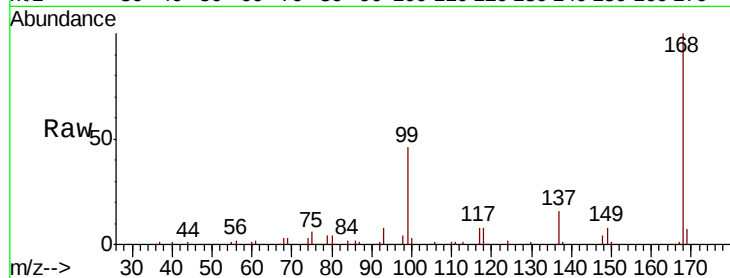




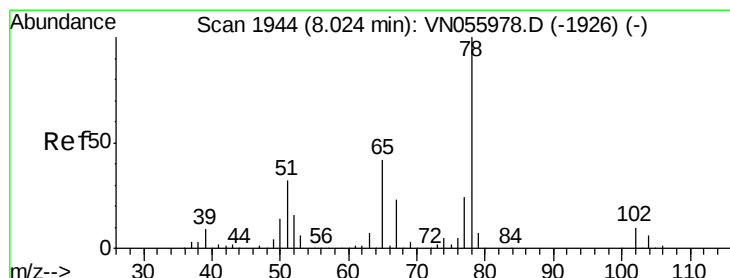
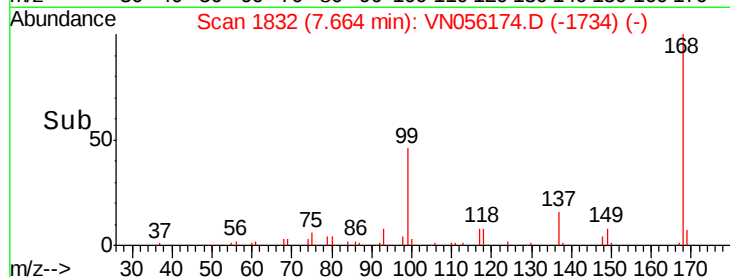
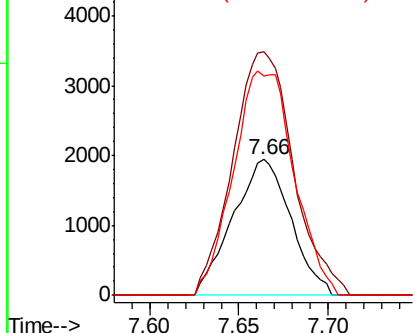
#31
Cyclohexane
Concen: 0.892 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056174.D
Acq: 10 Jun 2019 17:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4407
Ion Ratio Lower Upper
56 100
69 179.2 25.6 38.4#
84 161.0 67.4 101.0#

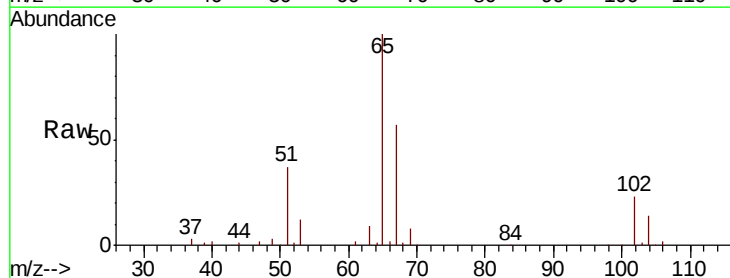


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

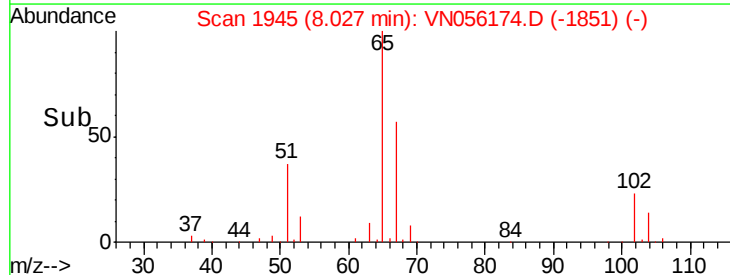
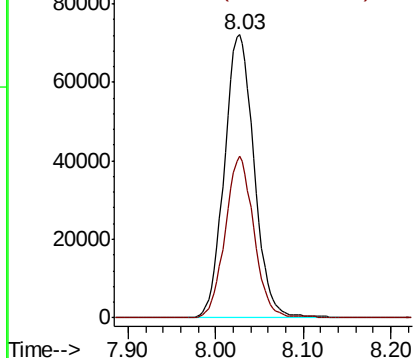


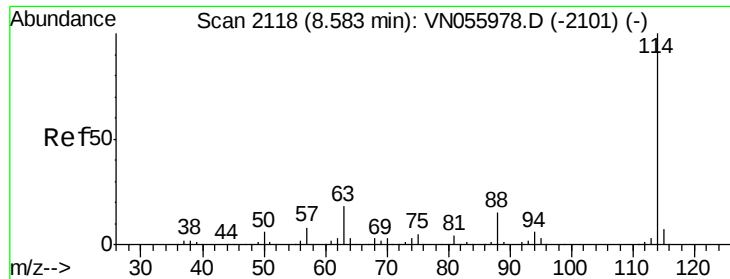
#33
1,2-Dichloroethane-d4
Concen: 54.609 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056174.D
Acq: 10 Jun 2019 17:03

Tgt Ion: 65 Resp: 169989
Ion Ratio Lower Upper
65 100
67 55.0 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: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056174.D

Acq: 10 Jun 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

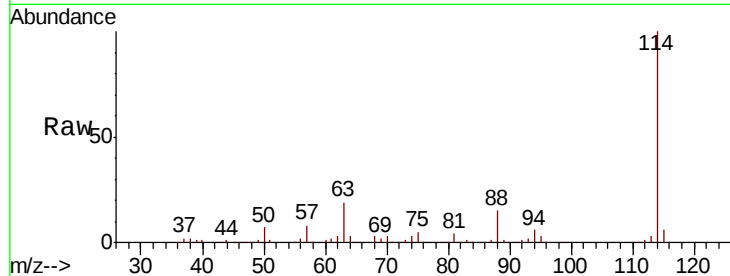
Tot Ion:114 Resp: 481162

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.2

88 14.8 0.0 31.0



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

8.59

250000

200000

150000

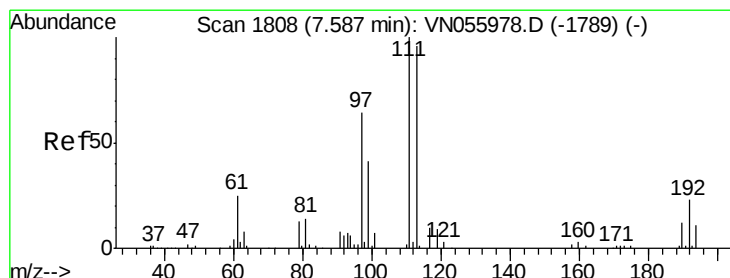
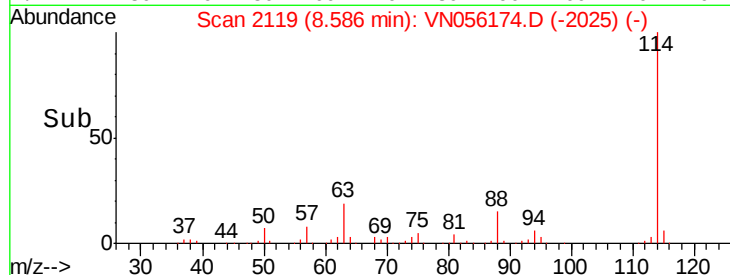
100000

50000

0

8.50 8.60 8.70 8.80

Time-->



#35

Dibromofluoromethane

Concen: 53.353 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056174.D

Acq: 10 Jun 2019 17:03

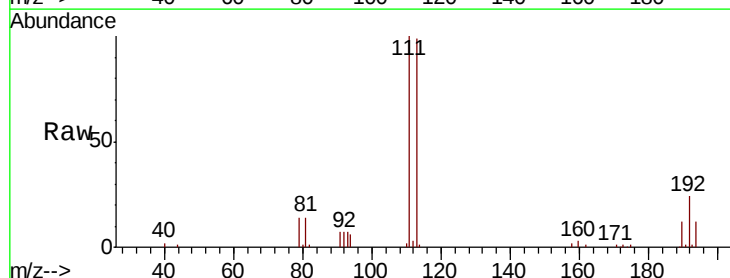
Tgt Ion:113 Resp: 157502

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

192 23.7 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

7.59

80000

60000

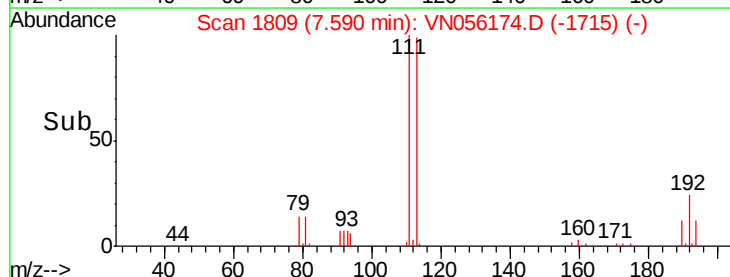
40000

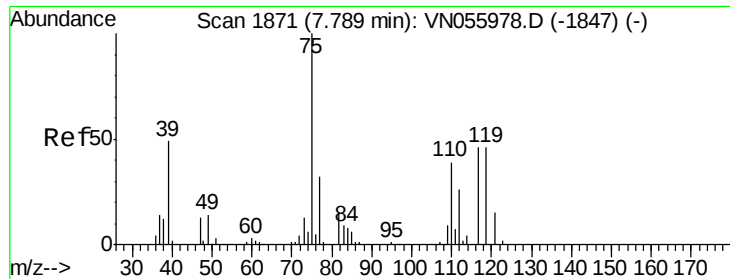
20000

0

7.50 7.60 7.70

Time-->

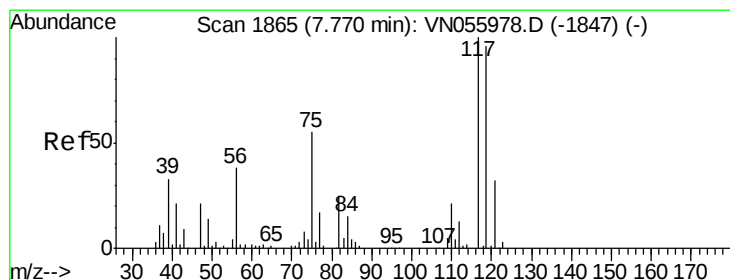
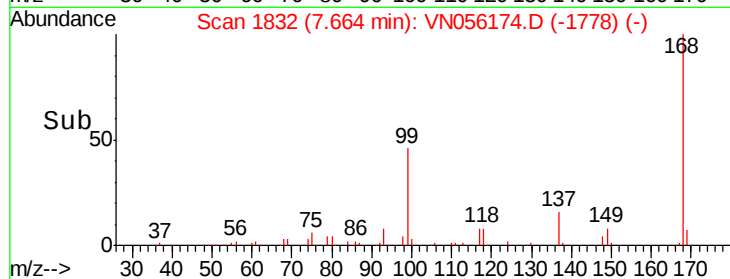
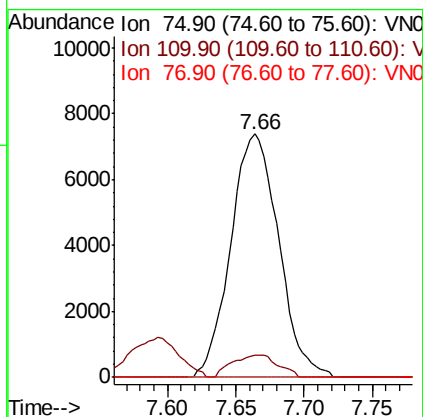
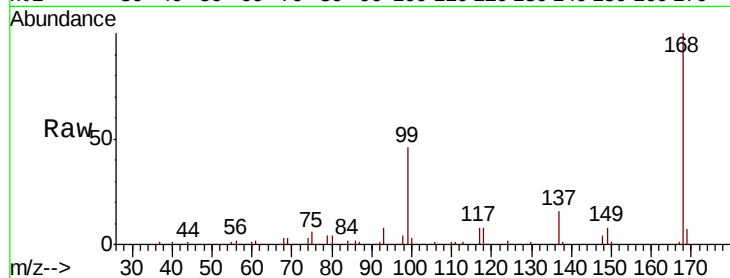




#36
 1,1-Dichloropropene
 Concen: 4.359 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056174.D
 Acq: 10 Jun 2019 17:03

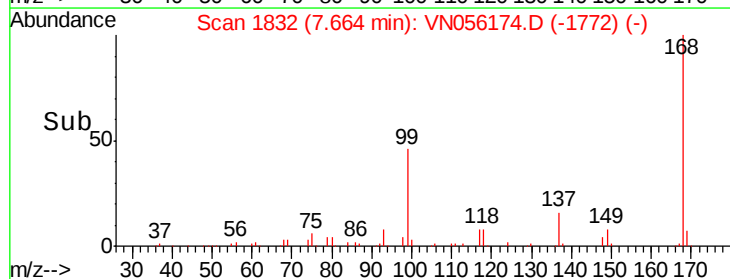
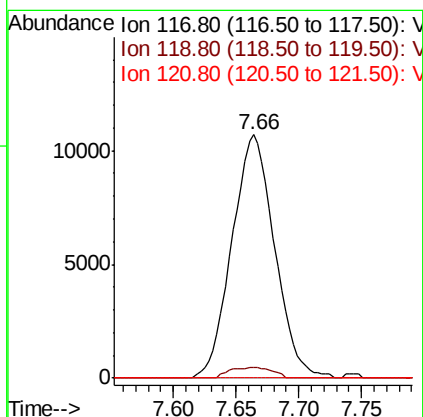
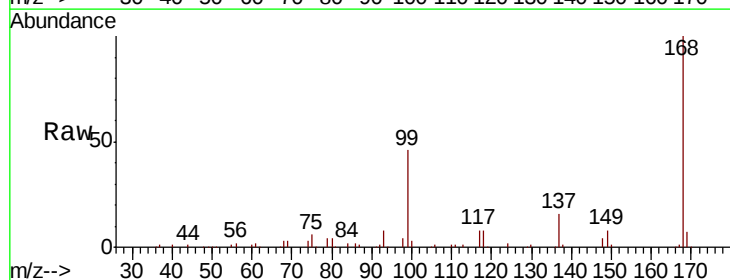
Instrument :
 MSVOA_N
 ClientSampleId :

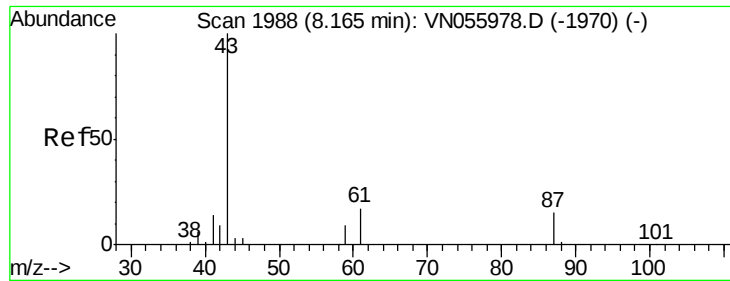
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.636 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056174.D
 Acq: 10 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.385 ug/l

RT: 8.31 min Scan# 2032

Delta R.T. 0.14 min

Lab File: VN056174.D

Acq: 10 Jun 2019 17:03

Instrument :

MSVOA_N

ClientSampled :

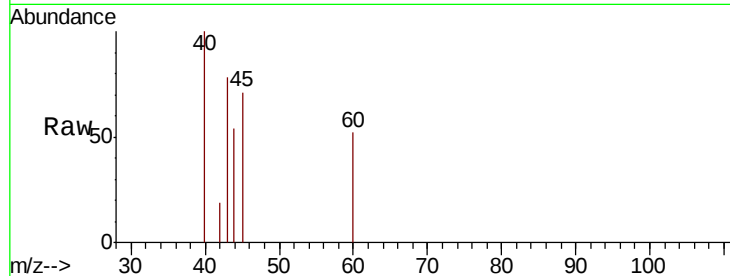
Tot Ion: 43 Resp: 2299

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

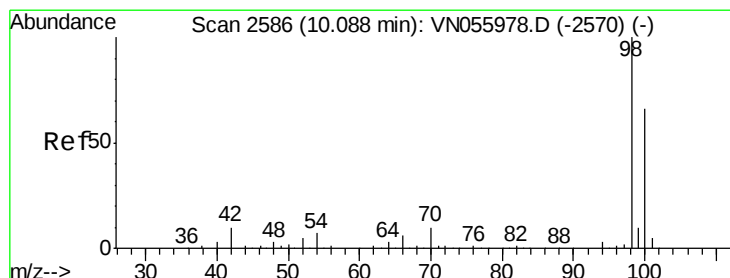
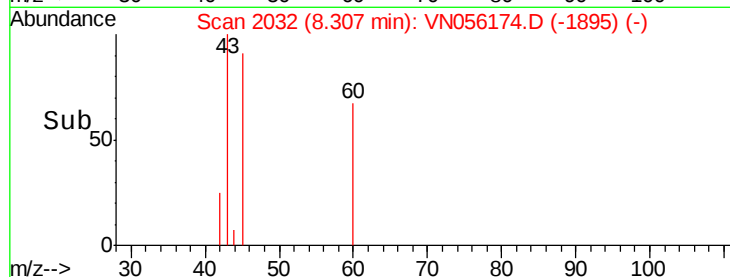
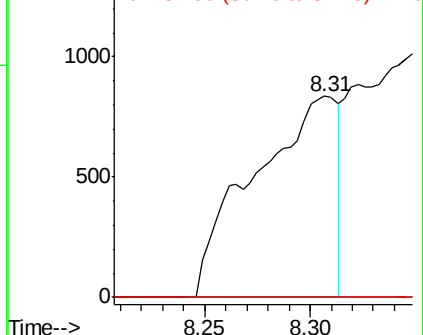
87 0.0 11.4 17.2#



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



#50

Toluene-d8

Concen: 53.582 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056174.D

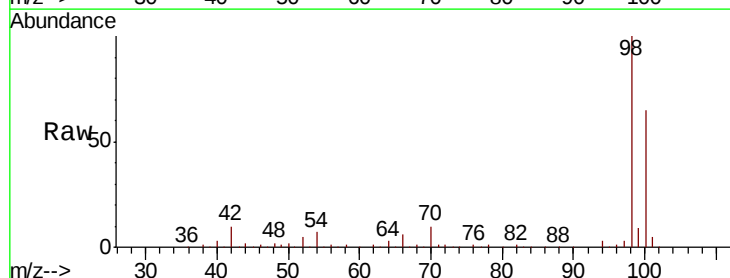
Acq: 10 Jun 2019 17:03

Tgt Ion: 98 Resp: 608675

Ion Ratio Lower Upper

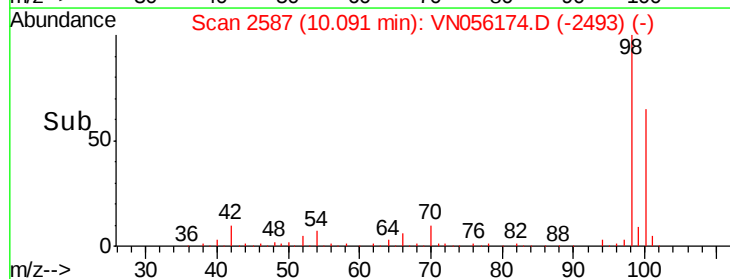
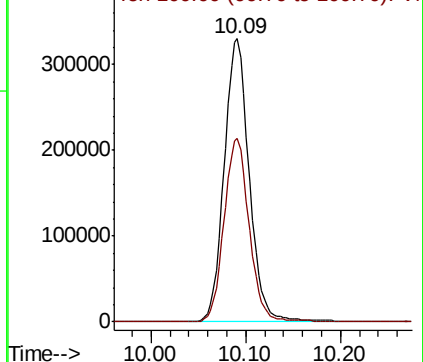
98 100

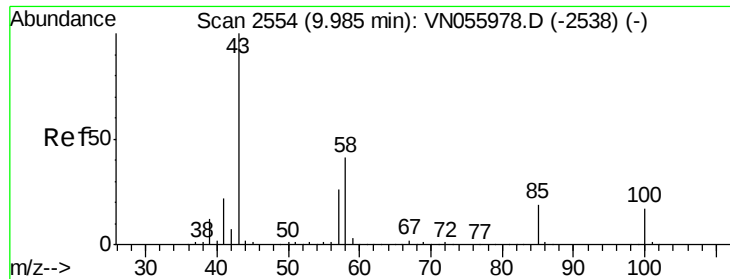
100 65.4 51.9 77.9



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: 0.674 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN056174.D

Acq: 10 Jun 2019 17:03

Instrument :

MSVOA_N

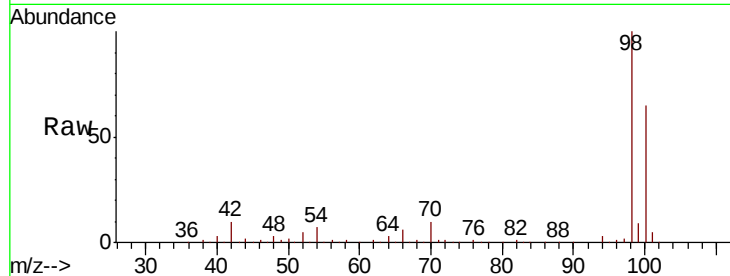
ClientSampled :

Tot Ion: 43 Resp: 2514

Ion Ratio Lower Upper

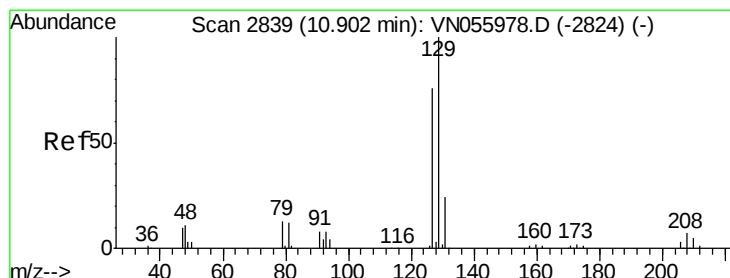
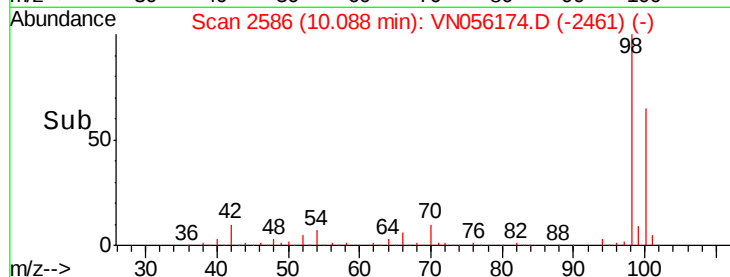
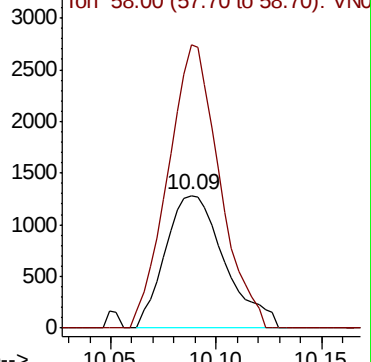
43 100

58 185.1 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)



#60

Dibromochloromethane

Concen: 2.567 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN056174.D

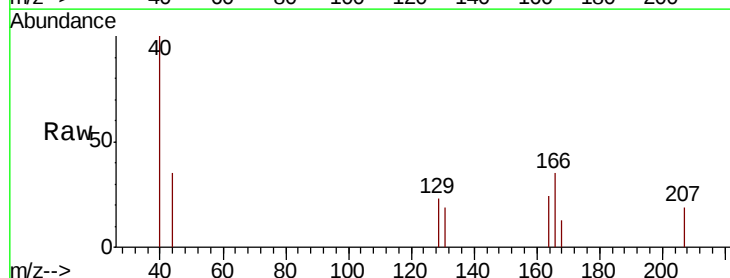
Acq: 10 Jun 2019 17:03

Tgt Ion: 129 Resp: 412

Ion Ratio Lower Upper

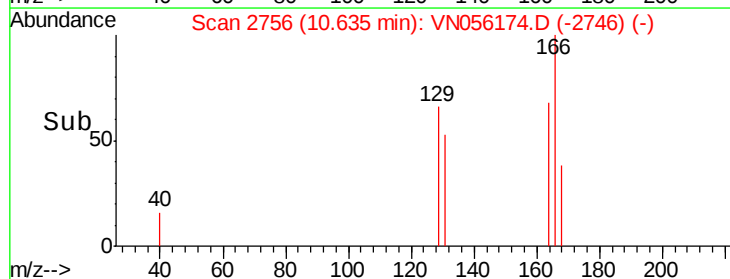
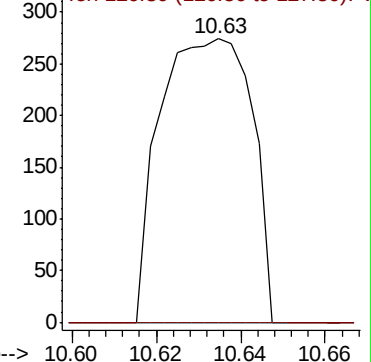
129 100

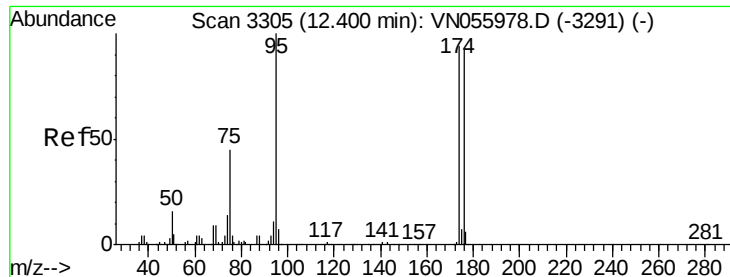
127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): VN055978.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2824) (-)

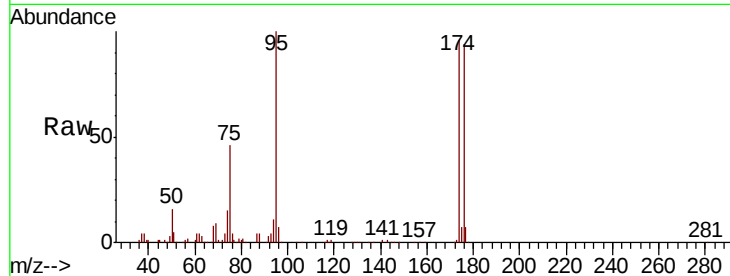




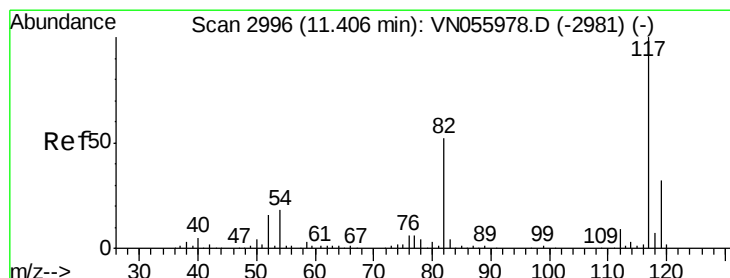
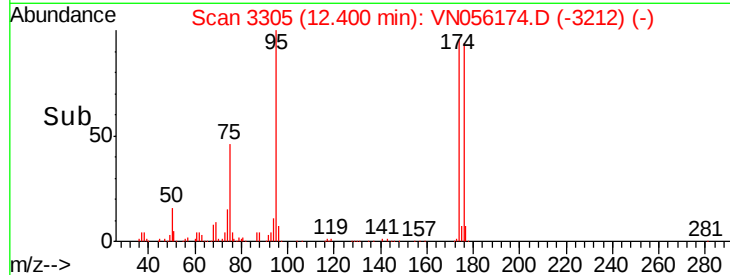
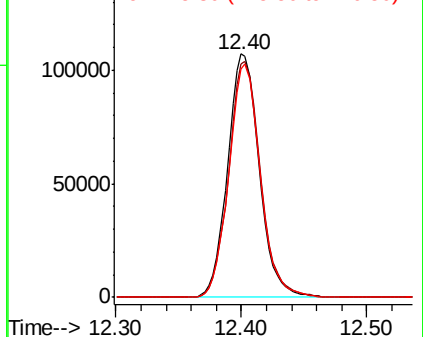
#62
4-Bromofluorobenzene
Concen: 48.488 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056174.D
Acq: 10 Jun 2019 17:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	95	Resp	187317
Ion Ratio	Lower	Upper	
95	100		
174	97.3	0.0	191.0
176	95.3	0.0	185.2

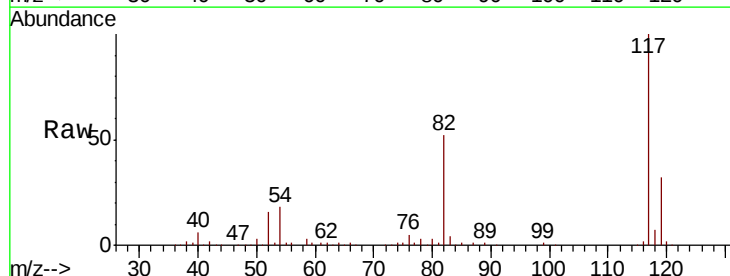


Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)
Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)
Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)

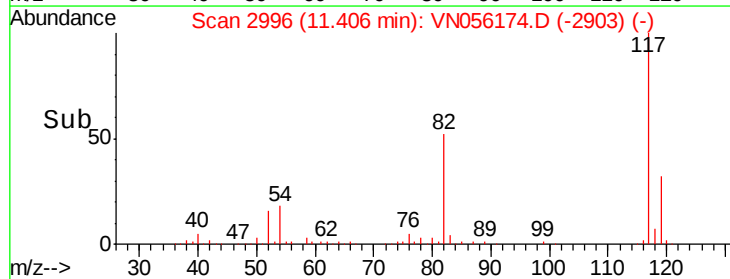
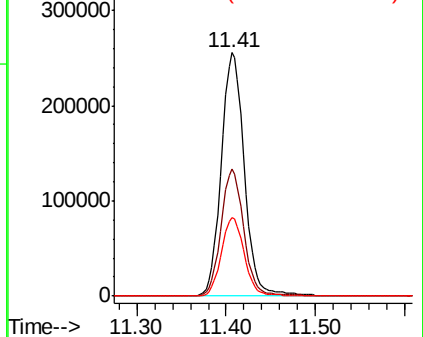


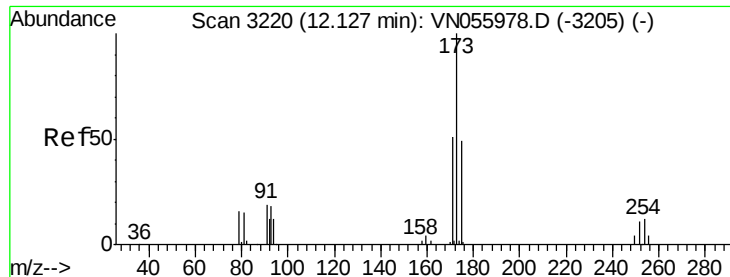
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056174.D
Acq: 10 Jun 2019 17:03

Tgt Ion	117	Resp	458889
Ion Ratio	Lower	Upper	
117	100		
82	52.0	41.8	62.8
119	32.3	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) (-)

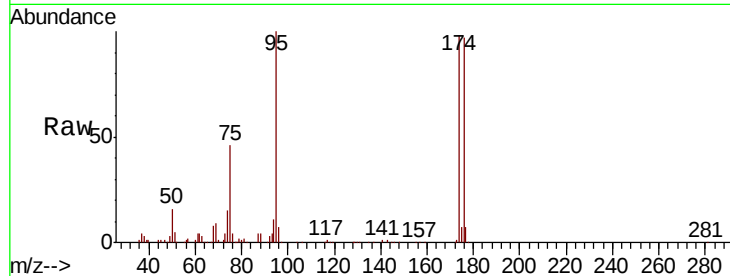




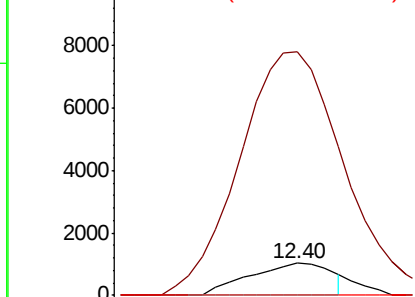
#71
Bromoform
Concen: 3.237 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056174.D
Acq: 10 Jun 2019 17:03

Instrument :
MSVOA_N
ClientSampled :

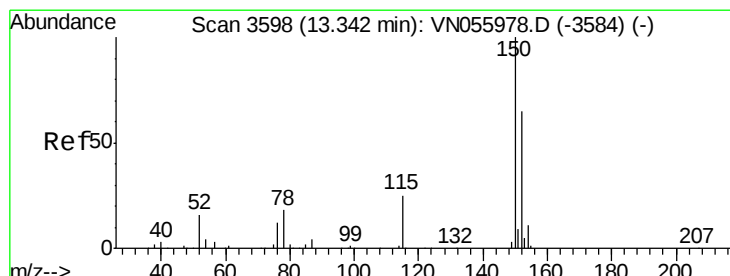
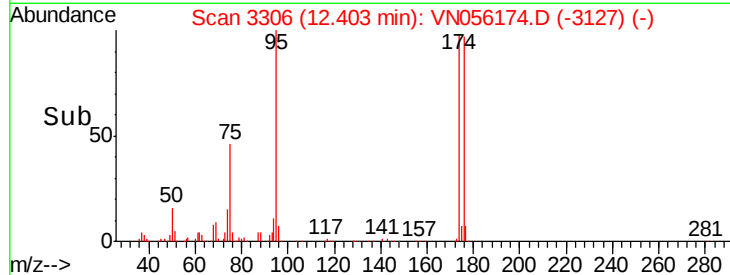
Tot Ion:173 Resp: 1385
Ion Ratio Lower Upper
173 100
175 827.4 24.3 72.8#
254 0.0 0.0 0.0



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

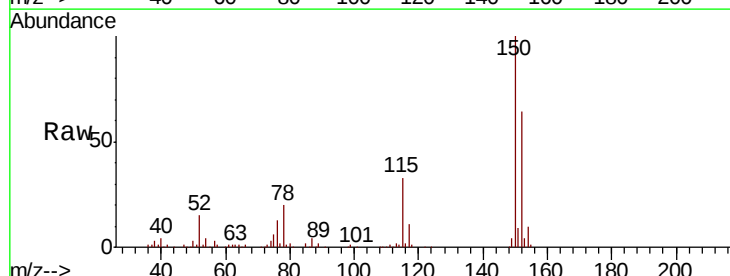


Time--> 12.36 12.38 12.40 12.42

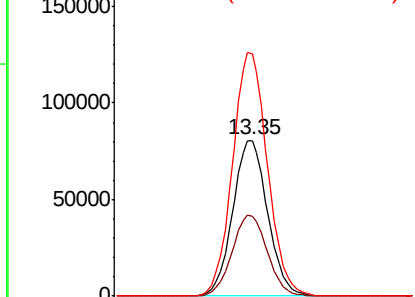


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN056174.D
Acq: 10 Jun 2019 17:03

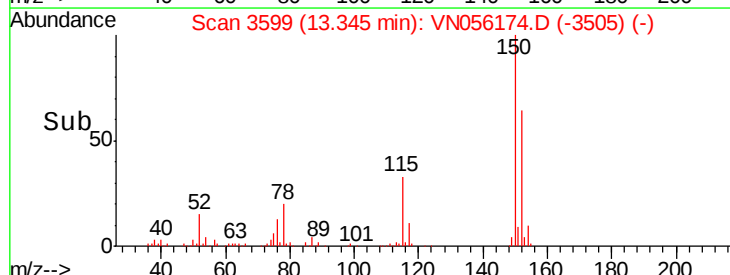
Tgt Ion:152 Resp: 139235
Ion Ratio Lower Upper
152 100
115 52.7 27.0 81.0
150 156.6 0.0 343.2

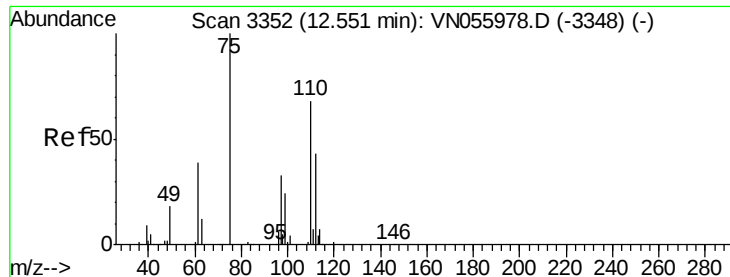


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time--> 13.25 13.30 13.35 13.40





#76

1,2,3-Trichloropropane

Concen: 33.814 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056174.D

Acq: 10 Jun 2019 17:03

Instrument :

MSVOA_N

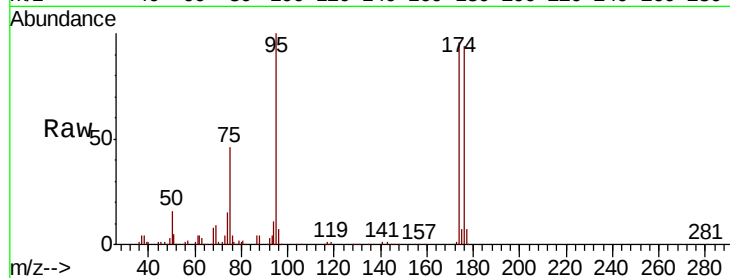
ClientSampleId :

Tot Ion: 75 Resp: 86630

Ion Ratio Lower Upper

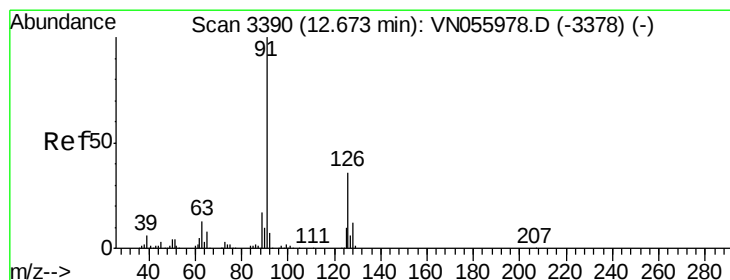
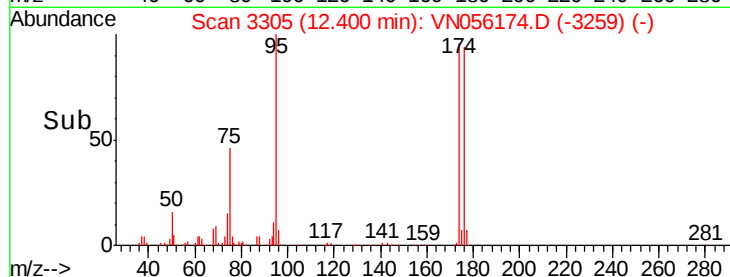
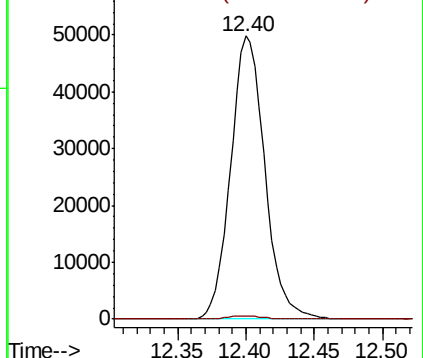
75 100

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



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.28 min

Lab File: VN056174.D

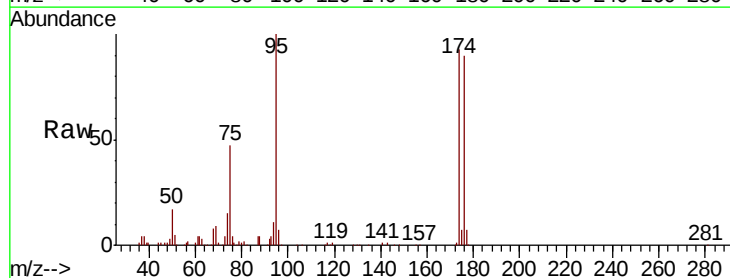
Acq: 10 Jun 2019 17:03

Tgt Ion: 91 Resp: 482

Ion Ratio Lower Upper

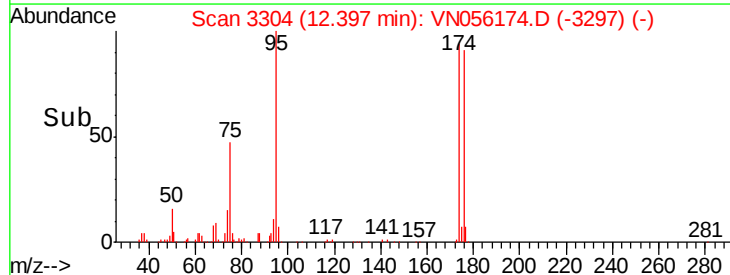
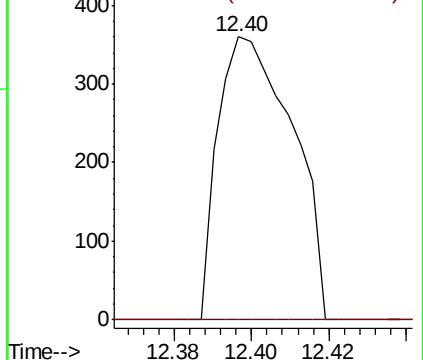
91 100

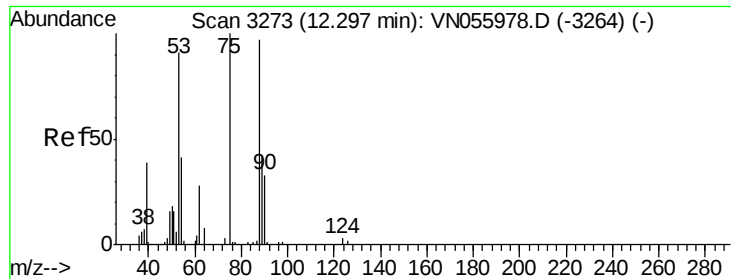
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 112.606 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056174.D

Acq: 10 Jun 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 86630

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

