

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056289.D
 Acq On : 13 Jun 2019 18:18
 Operator : JC/SP
 Sample : K3345-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 14 01:14:22 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	7.67	168	341009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	557994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	548384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	156935	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	191523	56.56	ug/l	0.00
Spiked Amount			Recovery	=	113.12%	
35) Dibromofluoromethane	7.59	113	175385	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
50) Toluene-d8	10.09	98	688087	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.40	95	214843	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	

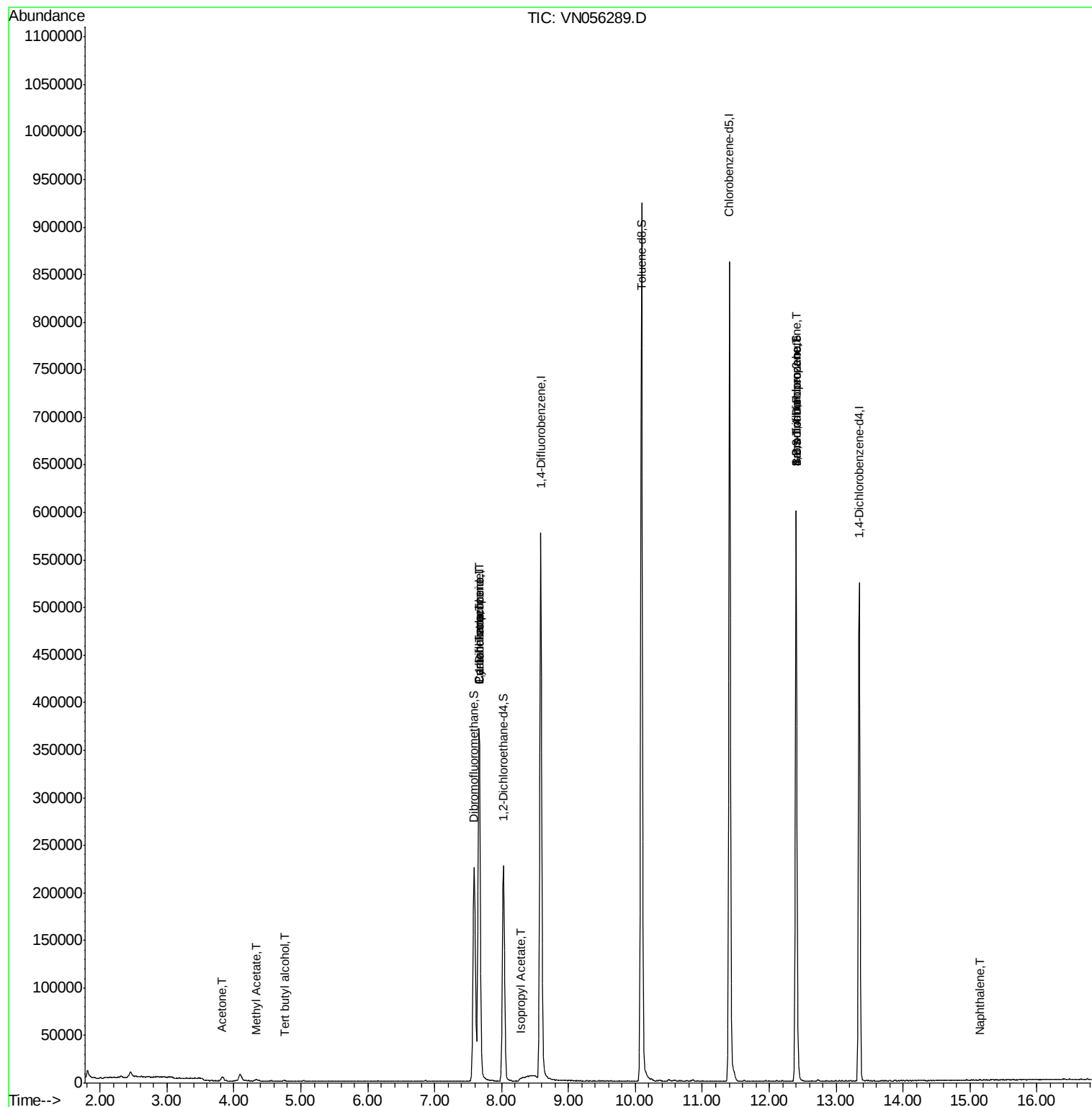
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	405	0.687	ug/l #	74
16) Acetone	3.82	43	7975	4.925	ug/l	93
18) Methyl Acetate	4.33	43	2819	0.312	ug/l #	86
31) Cyclohexane	7.66	56	5652	1.052	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	21315	4.443	ug/l #	47
38) Carbon Tetrachloride	7.67	117	28715	6.491	ug/l #	15
43) Isopropyl Acetate	8.29	43	2009	0.290	ug/l #	53
71) Bromoform	12.40	173	1617	3.225	ug/l #	1
73) Isopropylbenzene	12.40	105	240	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	100780	34.900	ug/l #	100
79) 2-Chlorotoluene	12.40	91	583	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	100780	116.224	ug/l #	15
95) Naphthalene	15.14	128	329	3.892	ug/l #	69

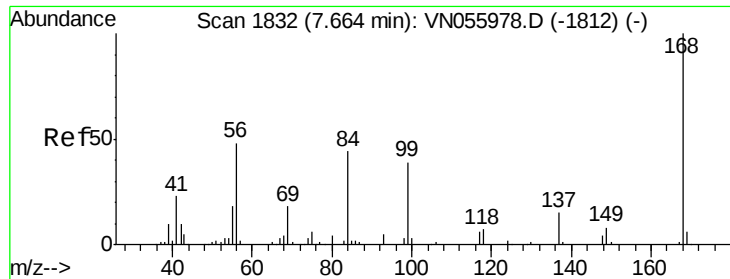
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056289.D

Acq: 13 Jun 2019 18:18

Instrument :

MSVOA_N

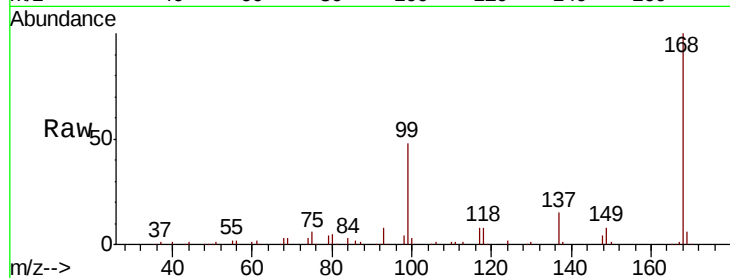
ClientSampleId :

Tot Ion:168 Resp: 341009

Ion Ratio Lower Upper

168 100

99 48.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

150000

100000

50000

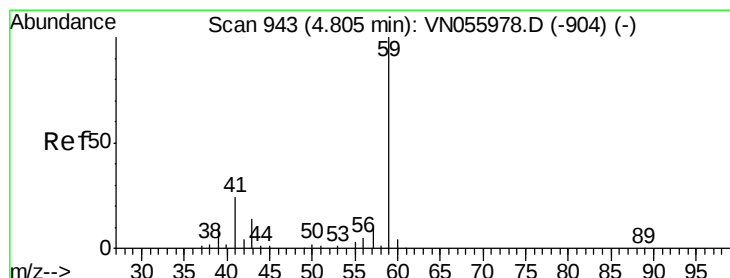
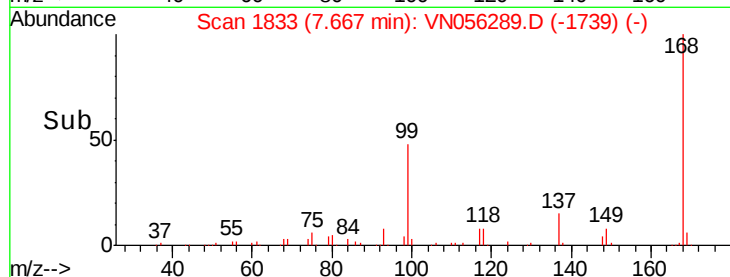
0

Time-->

7.60

7.70

7.80



#11

Tert butyl alcohol

Concen: 0.687 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.06 min

Lab File: VN056289.D

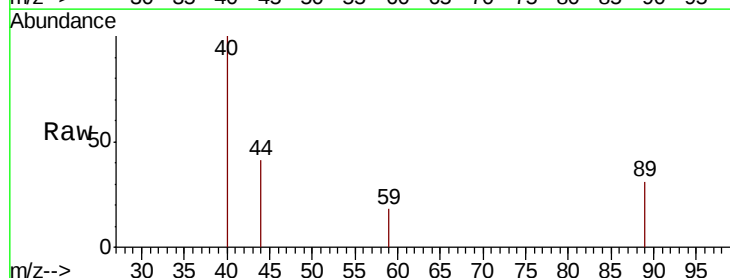
Acq: 13 Jun 2019 18:18

Tgt Ion: 59 Resp: 405

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

300

200

100

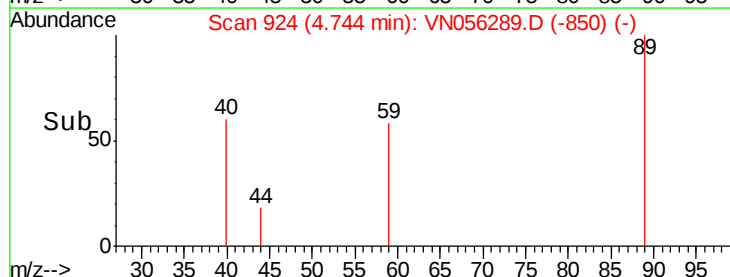
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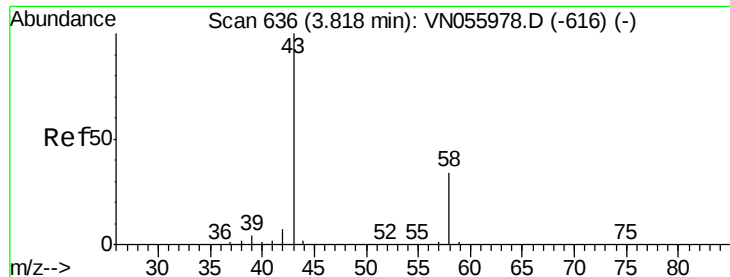
Time-->

4.72

4.74

4.76





#16

Acetone

Concen: 4.925 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056289.D

Acq: 13 Jun 2019 18:18

Instrument :

MSVOA_N

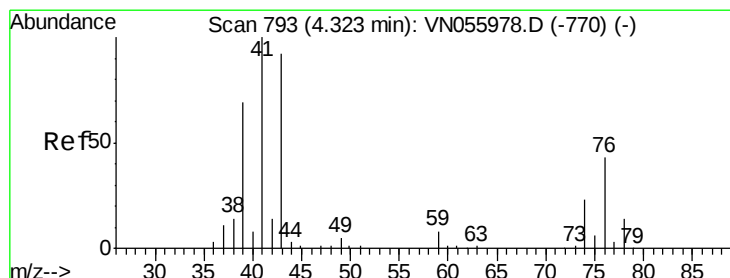
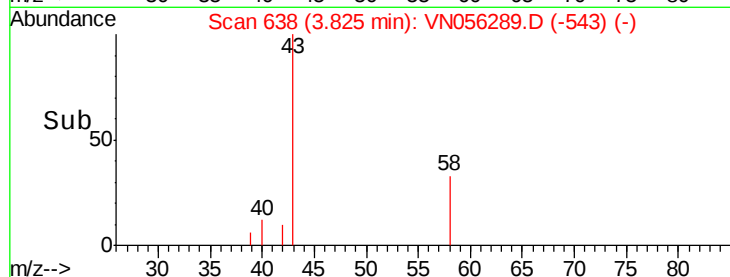
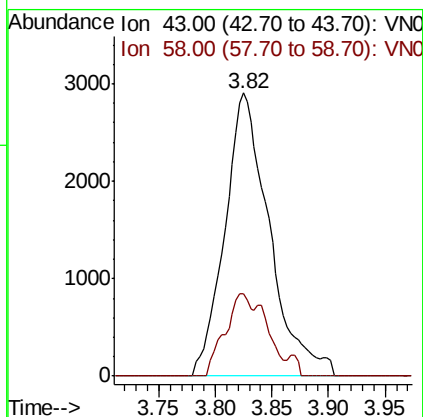
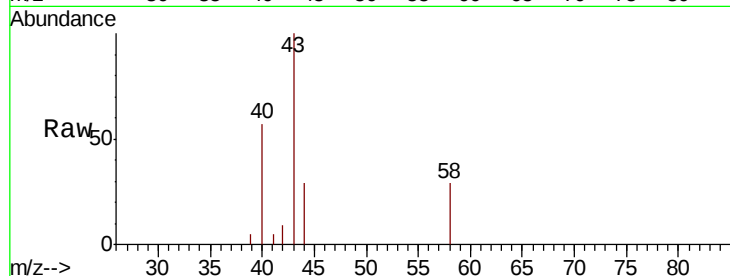
ClientSampled :

Tot Ion: 43 Resp: 7975

Ion Ratio Lower Upper

43 100

58 29.0 26.6 39.8



#18

Methyl Acetate

Concen: 0.312 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056289.D

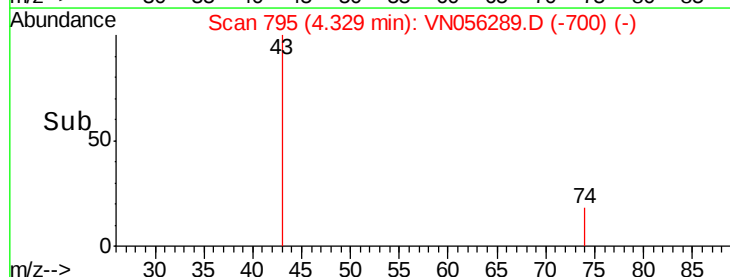
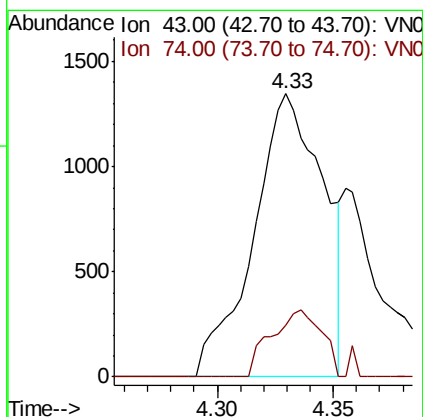
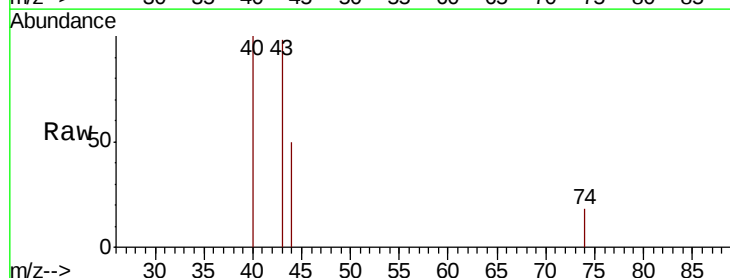
Acq: 13 Jun 2019 18:18

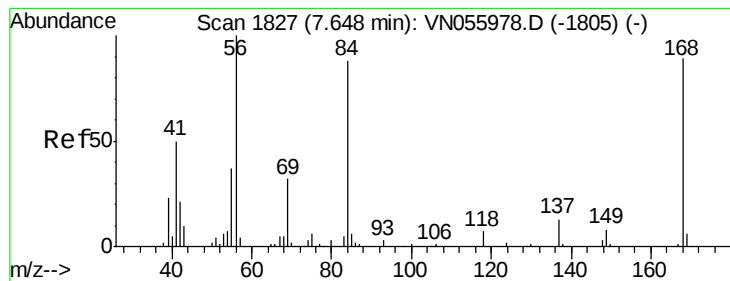
Tgt Ion: 43 Resp: 2819

Ion Ratio Lower Upper

43 100

74 17.2 19.3 28.9#





#31

Cyclohexane

Concen: 1.052 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056289.D

Acq: 13 Jun 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

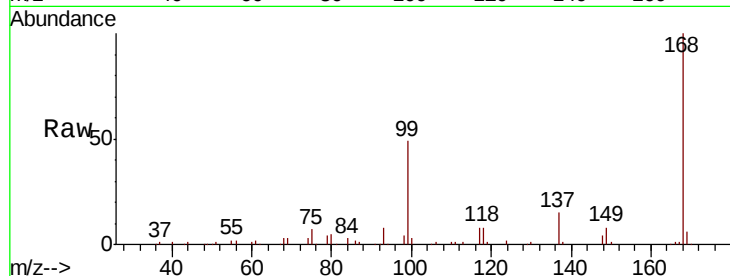
Tot Ion: 56 Resp: 5652

Ion Ratio Lower Upper

56 100

69 180.6 25.6 38.4#

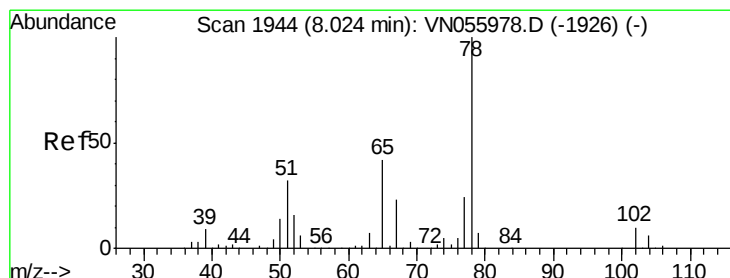
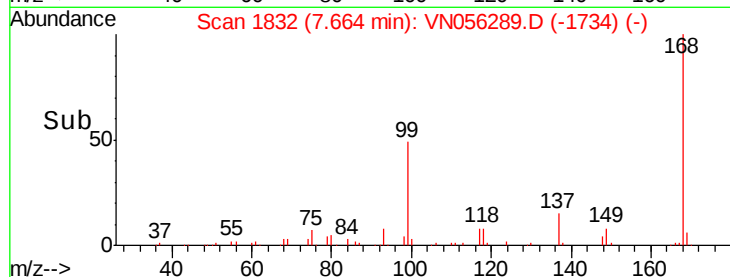
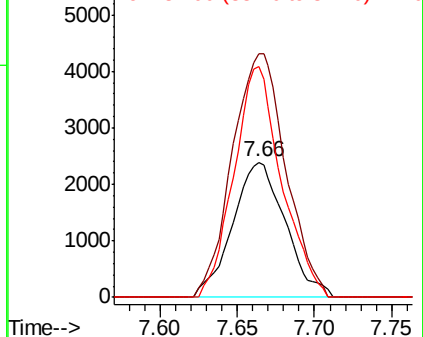
84 171.3 67.4 101.0#



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: 56.564 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056289.D

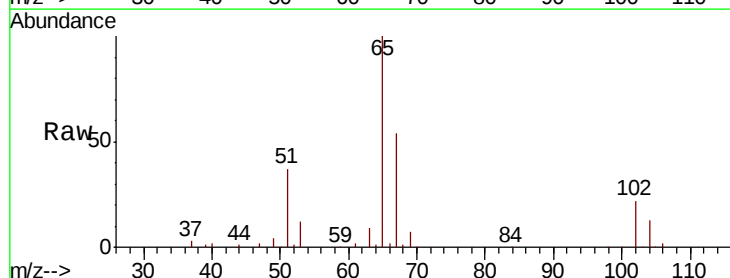
Acq: 13 Jun 2019 18:18

Tgt Ion: 65 Resp: 191523

Ion Ratio Lower Upper

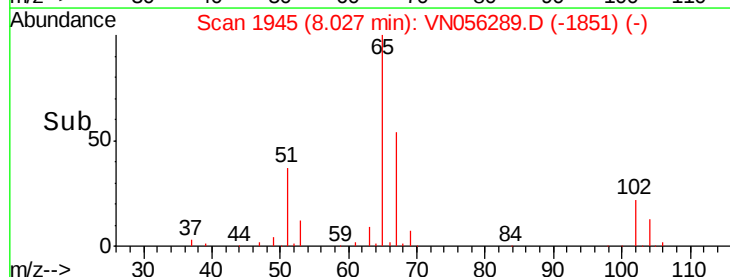
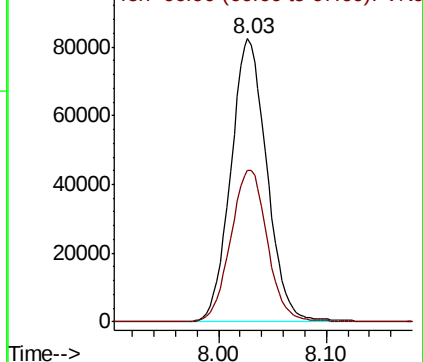
65 100

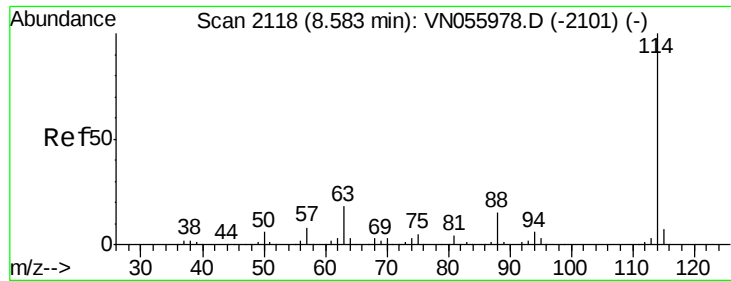
67 54.8 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

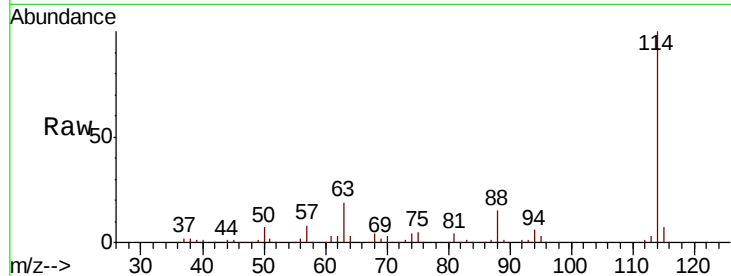




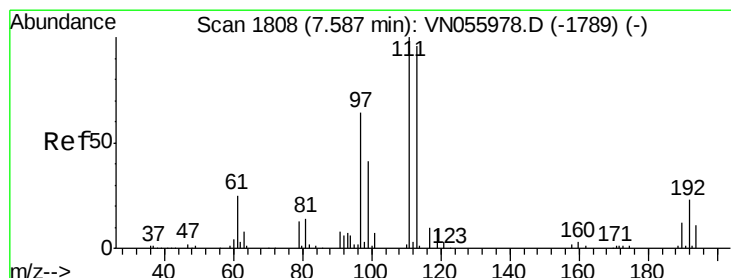
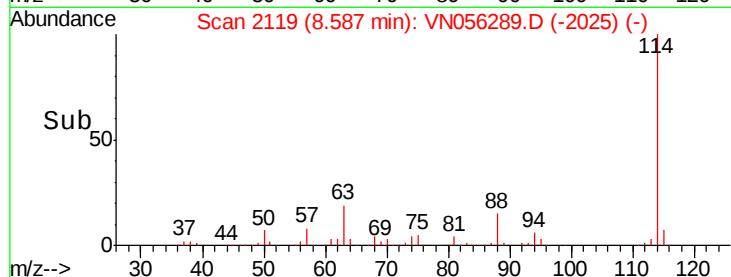
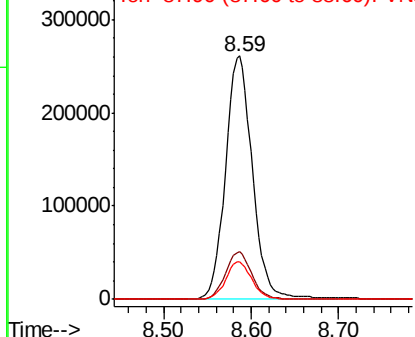
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056289.D
Acq: 13 Jun 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 557994
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.2
88 15.3 0.0 31.0

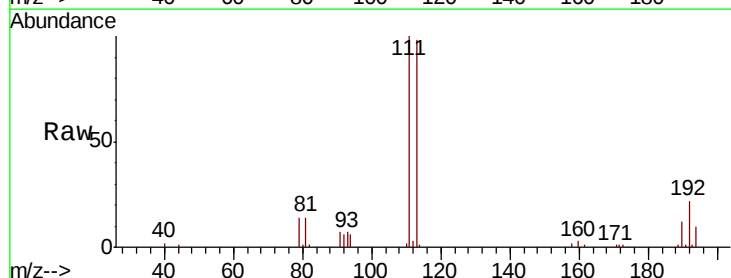


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

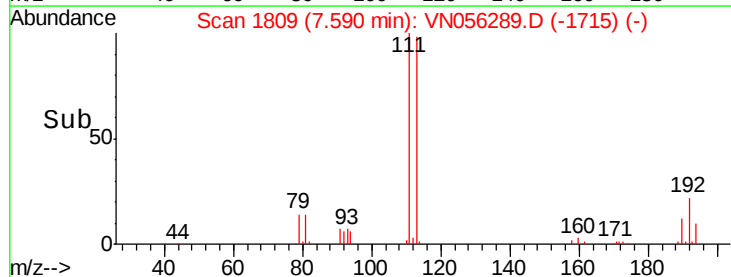
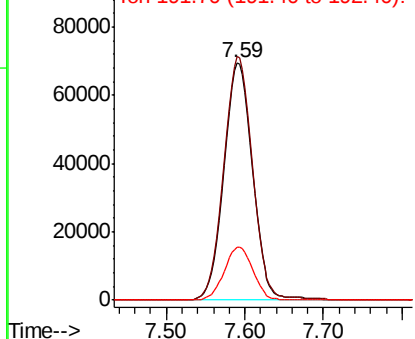


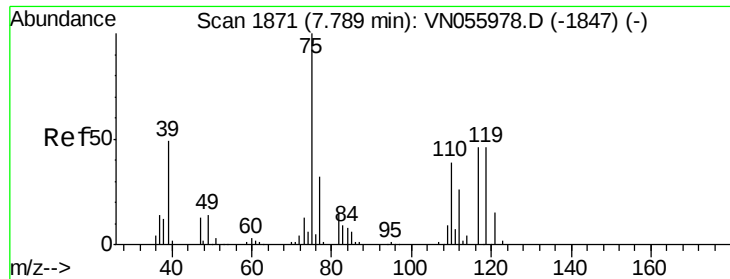
#35
Dibromofluoromethane
Concen: 51.230 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056289.D
Acq: 13 Jun 2019 18:18

Tgt Ion:113 Resp: 175385
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 22.3 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

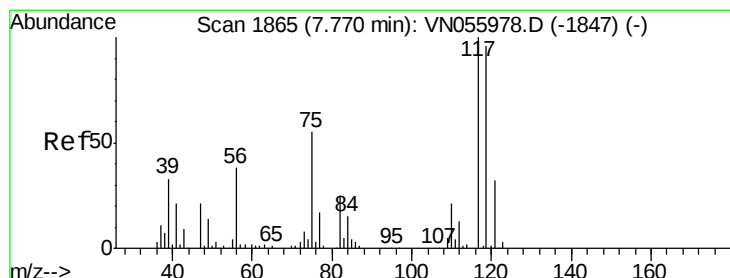
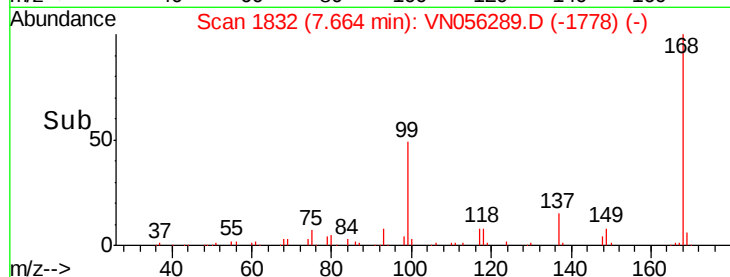
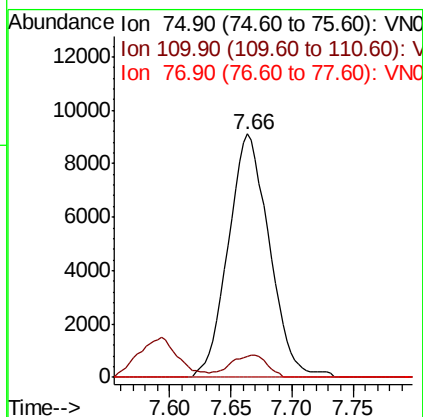
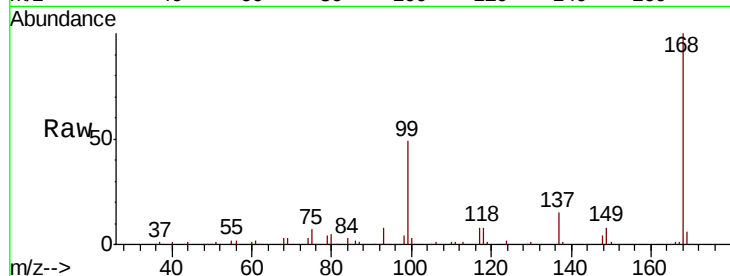




#36
 1,1-Dichloropropene
 Concen: 4.443 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056289.D
 Acq: 13 Jun 2019 18:18

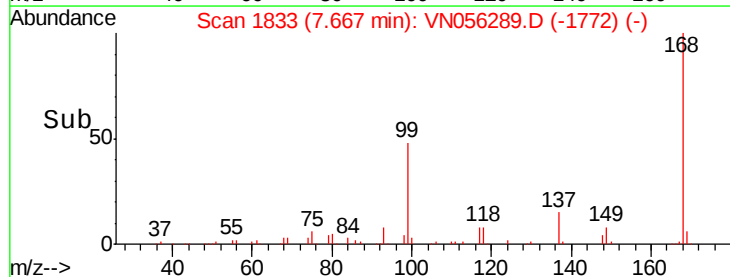
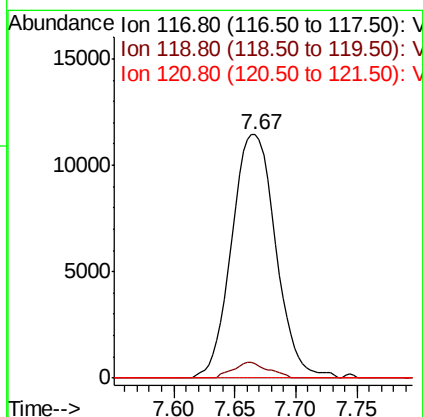
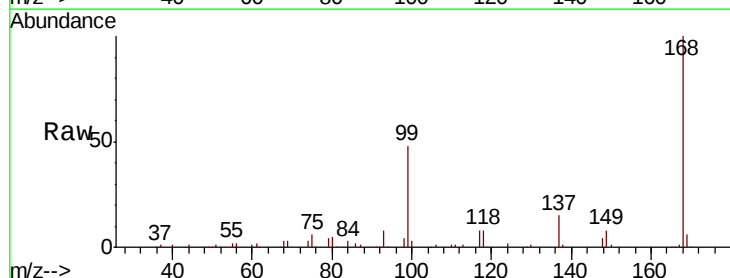
Instrument :
 MSVOA_N
 ClientSampleId :

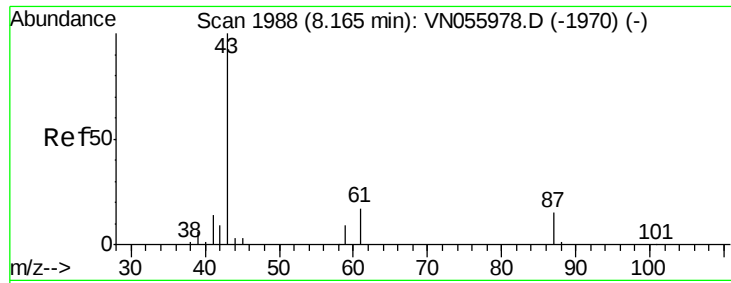
Tot Ion	75	Resp	21315
Ion Ratio	Lower	Upper	
75	100		
110	8.1	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.491 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN056289.D
 Acq: 13 Jun 2019 18:18

Tgt Ion	117	Resp	28715
Ion Ratio	Lower	Upper	
117	100		
119	5.9	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.290 ug/l

RT: 8.29 min Scan# 2027

Delta R.T. 0.13 min

Lab File: VN056289.D

Acq: 13 Jun 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

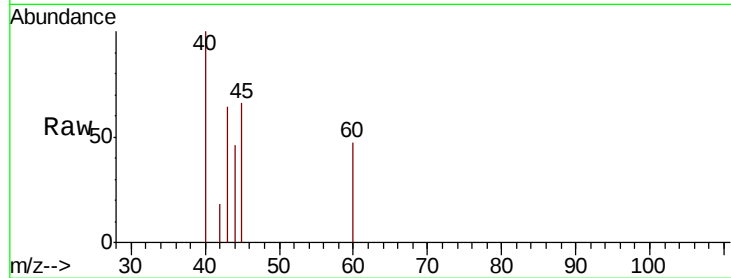
Tot Ion: 43 Resp: 2009

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

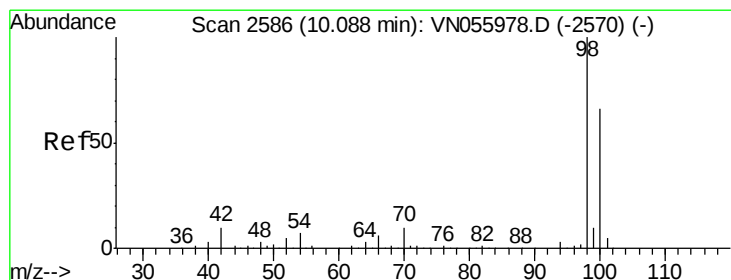
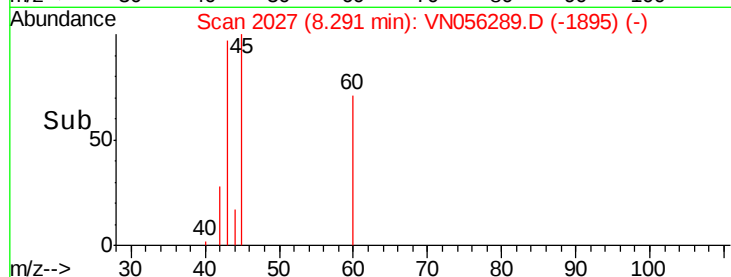
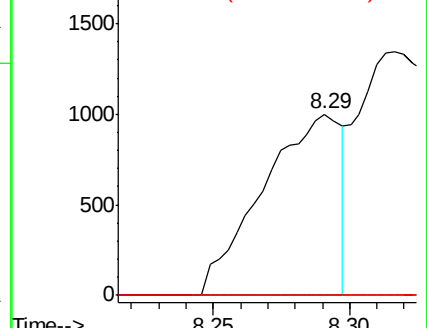
87 0.0 11.4 17.2#



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: 52.232 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056289.D

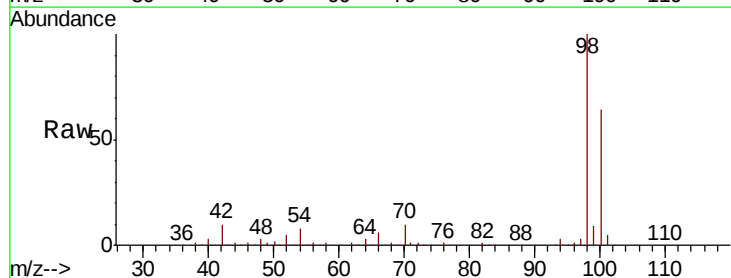
Acq: 13 Jun 2019 18:18

Tgt Ion: 98 Resp: 688087

Ion Ratio Lower Upper

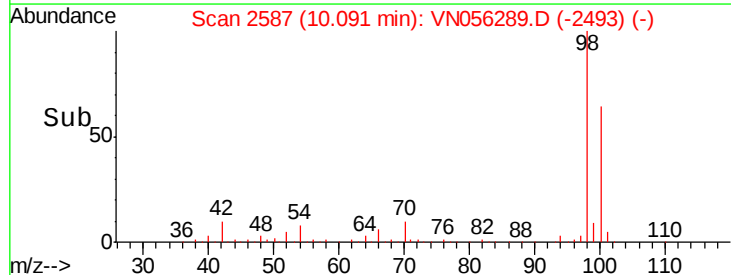
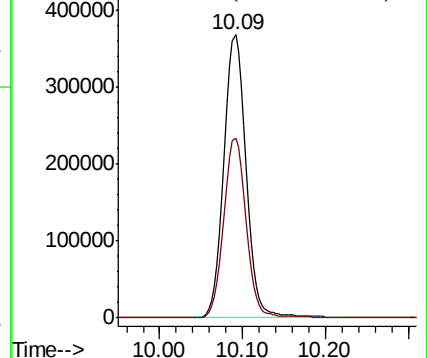
98 100

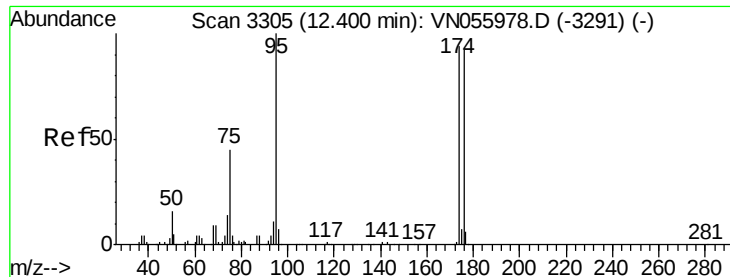
100 63.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 47.956 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056289.D

Acq: 13 Jun 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

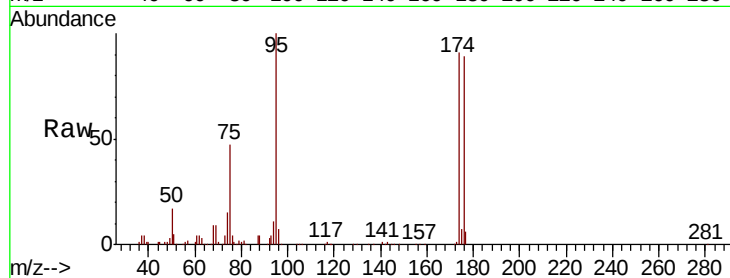
Tot Ion: 95 Resp: 214843

Ion Ratio Lower Upper

95 100

174 92.6 0.0 191.0

176 89.9 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

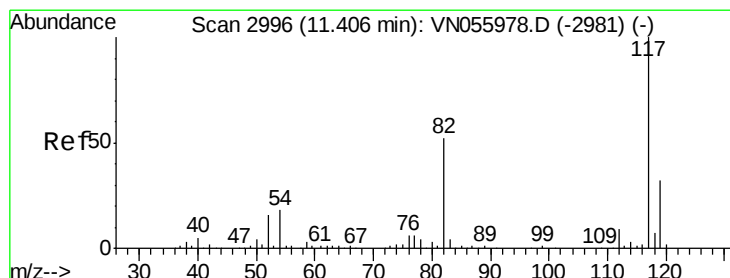
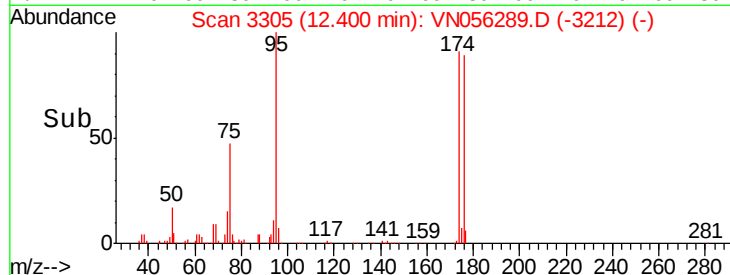
150000

100000

50000

0

Time--> 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: VN056289.D

Acq: 13 Jun 2019 18:18

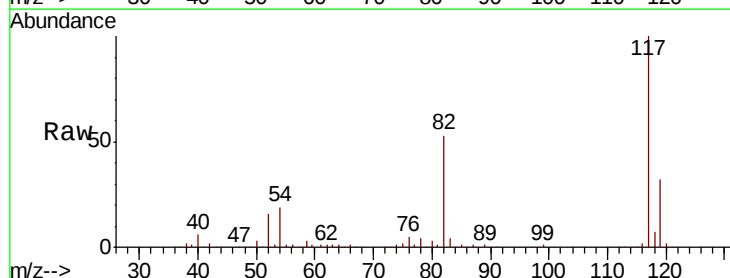
Tgt Ion: 117 Resp: 548384

Ion Ratio Lower Upper

117 100

82 52.6 41.8 62.8

119 31.8 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) (-)

11.41

400000

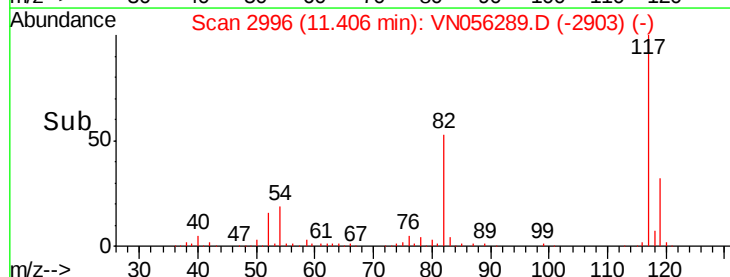
300000

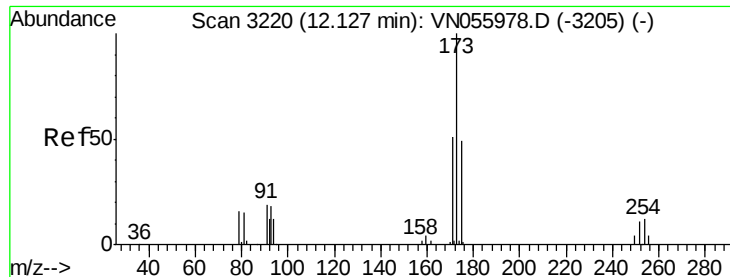
200000

100000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 3.225 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056289.D

Acq: 13 Jun 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

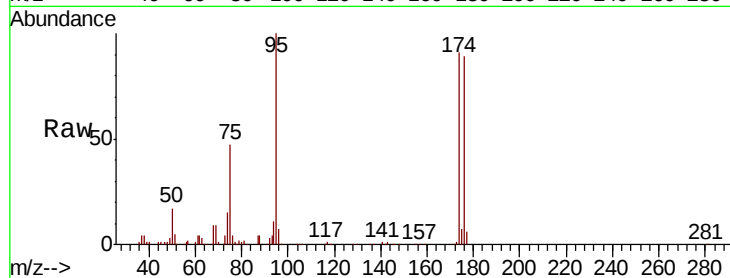
Tot Ion:173 Resp: 1617

Ion Ratio Lower Upper

173 100

175 757.5 24.3 72.8#

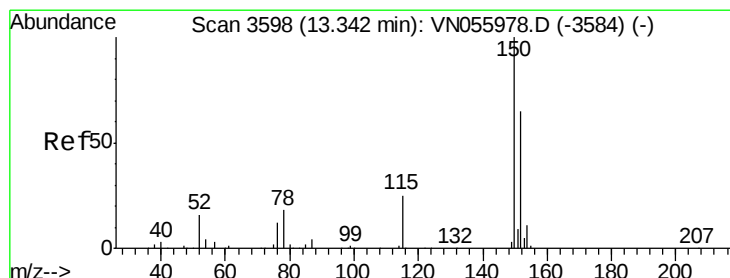
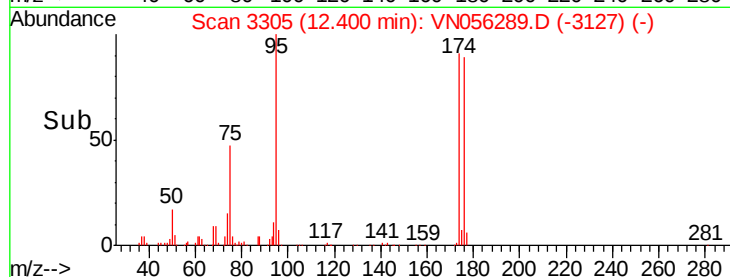
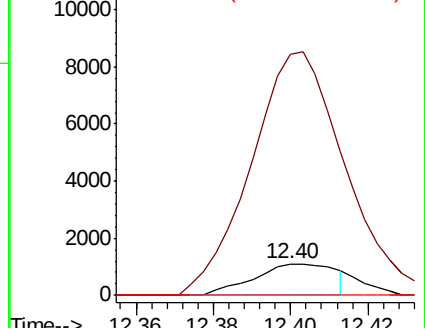
254 0.0 0.0 0.0



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: VN056289.D

Acq: 13 Jun 2019 18:18

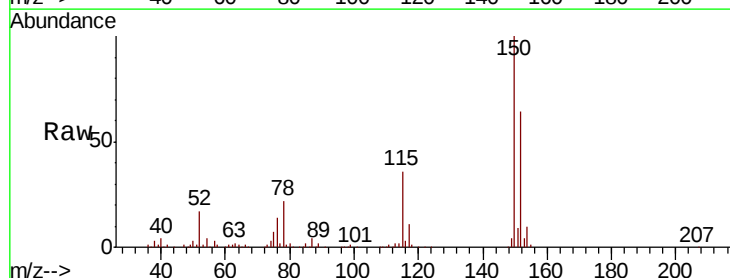
Tgt Ion:152 Resp: 156935

Ion Ratio Lower Upper

152 100

115 56.4 27.0 81.0

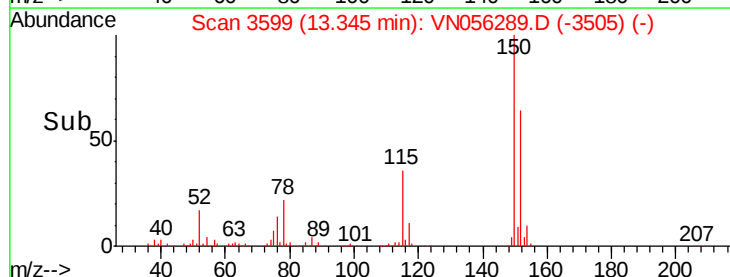
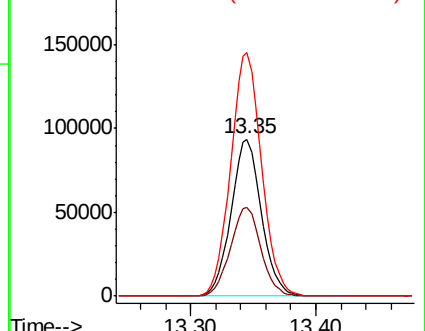
150 158.0 0.0 343.2

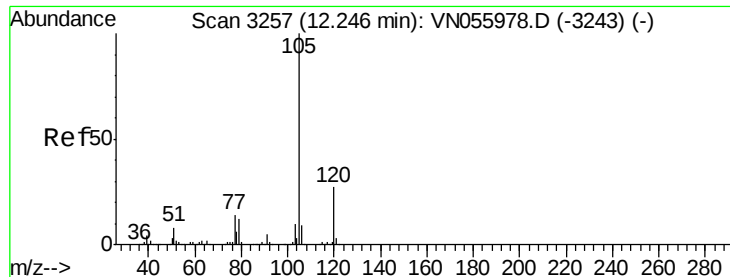


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. 0.15 min

Lab File: VN056289.D

Acq: 13 Jun 2019 18:18

Instrument :

MSVOA_N

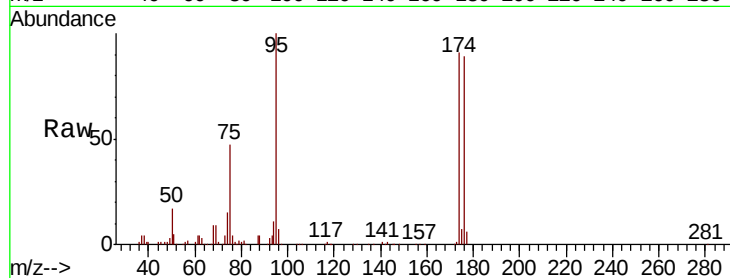
ClientSampled :

Tot Ion: 105 Resp: 240

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.40

250

200

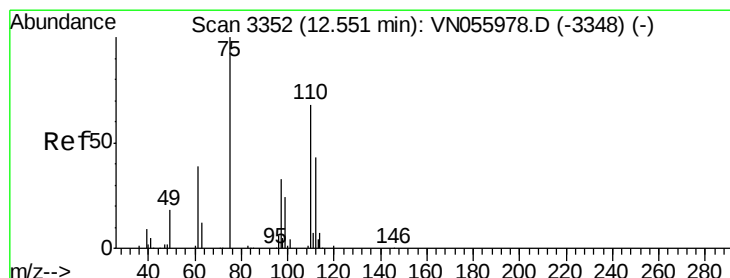
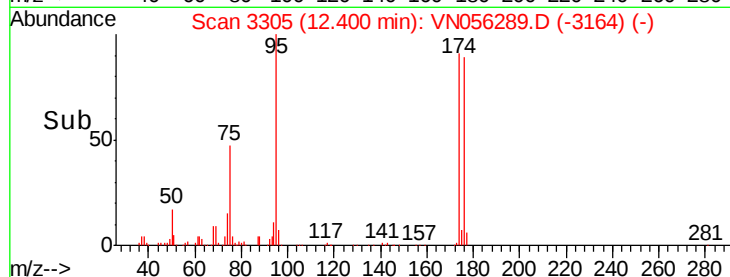
150

100

50

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 34.900 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056289.D

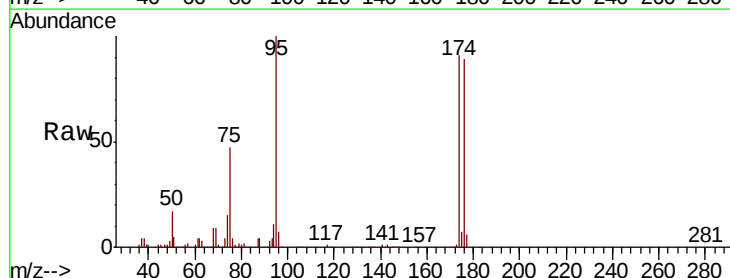
Acq: 13 Jun 2019 18:18

Tgt Ion: 75 Resp: 100780

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

12.40

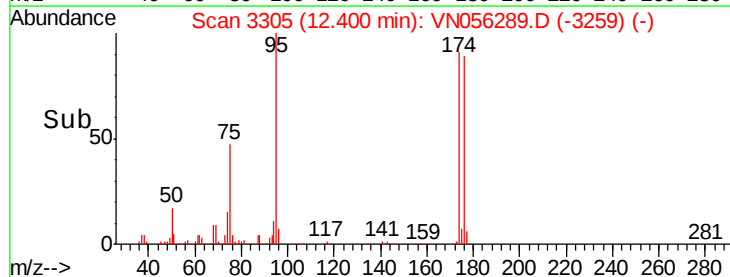
60000

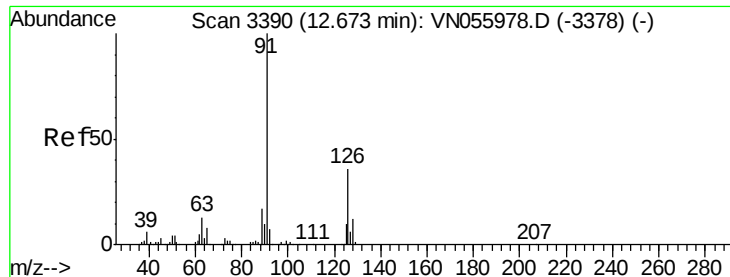
40000

20000

0

Time-->

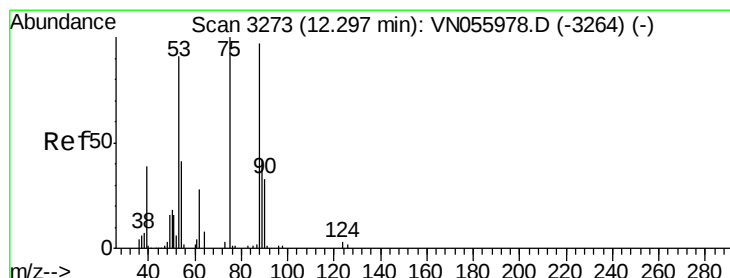
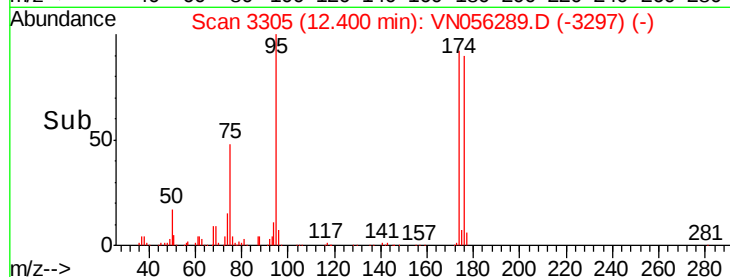
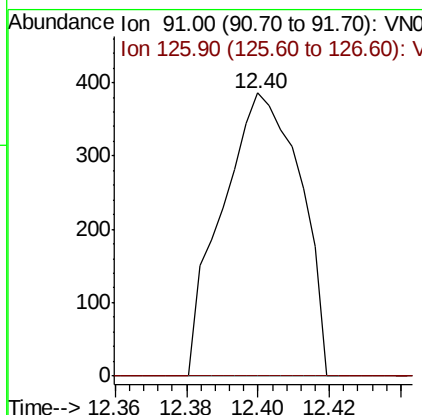
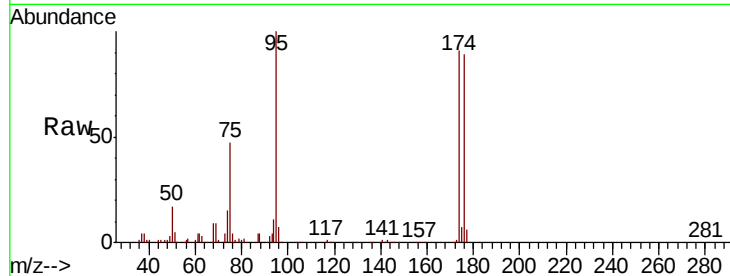




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.27 min
 Lab File: VN056289.D
 Acq: 13 Jun 2019 18:18

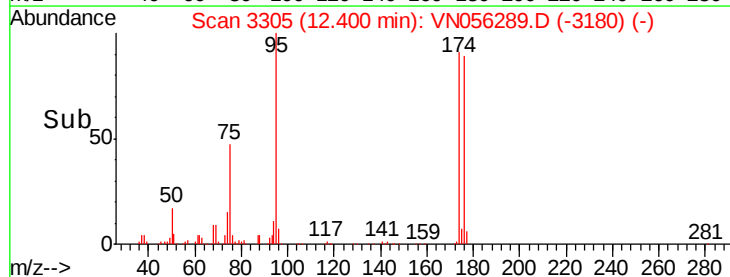
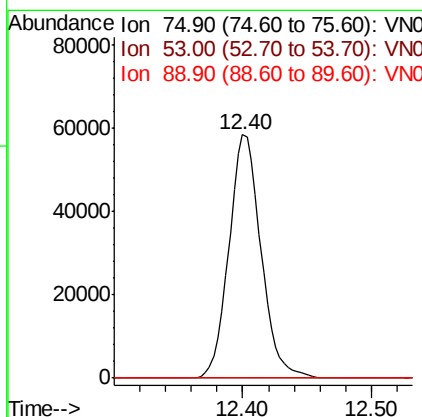
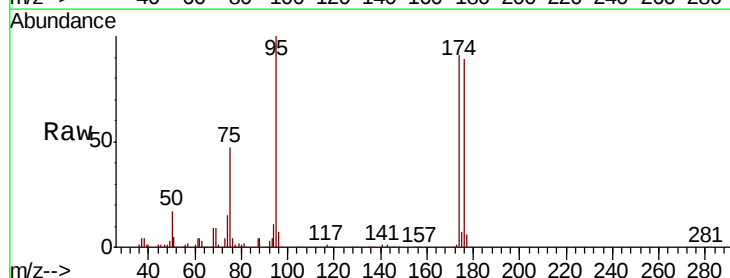
Instrument :
 MSVOA_N
 ClientSampled :

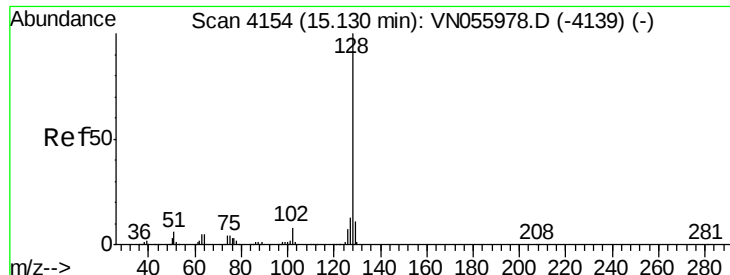
Tot Ion: 91 Resp: 583
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.224 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056289.D
 Acq: 13 Jun 2019 18:18

Tgt Ion: 75 Resp: 100780
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.1 102.1#
 89 0.0 36.9 55.3#

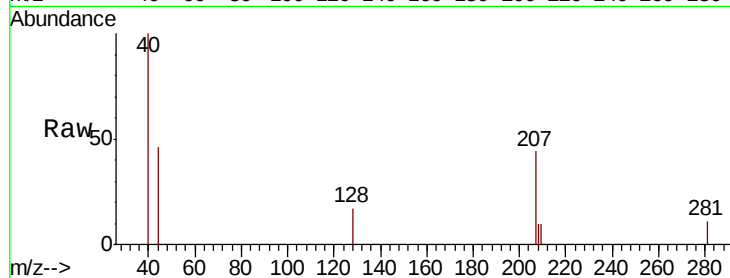




#95
Naphthalene
Concen: 3.892 ug/l
RT: 15.14 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN056289.D
Acq: 13 Jun 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :

Tot 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

