

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060519\
 Data File : VN056012.D
 Acq On : 5 Jun 2019 16:48
 Operator : JC/SP
 Sample : K2640-01DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 06 01:22:47 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	367427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	555102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	526069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	199053	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	170823	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
35) Dibromofluoromethane	7.59	113	157812	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
50) Toluene-d8	10.09	98	664470	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.40	95	228721	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.82	59	17541	27.629	ug/l	97
13) Acrolein	3.81	56	209	1.141	ug/l #	1
16) Acetone	3.82	43	2574959	1475.756	ug/l	99
18) Methyl Acetate	4.33	43	5785	1.123	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	8339	0.848	ug/l #	39
20) Methylene Chloride	4.54	84	2361	0.657	ug/l	93
25) 2-Butanone	6.85	43	10537	4.780	ug/l	94
31) Cyclohexane	7.65	56	29624	5.117	ug/l #	72
36) 1,1-Dichloropropene	7.66	75	21112	4.423	ug/l #	48
37) Ethyl Acetate	6.94	43	2807	0.661	ug/l #	75
38) Carbon Tetrachloride	7.66	117	30178	6.858	ug/l #	15
39) Methylcyclohexane	9.08	83	11652	1.960	ug/l	90
40) Benzene	8.04	78	835183	57.611	ug/l	100
42) 1,2-Dichloroethane	8.04	62	6042	1.296	ug/l #	73
43) Isopropyl Acetate	8.15	43	4596	0.668	ug/l #	53
48) Methyl methacrylate	9.19	41	3403	1.011	ug/l #	76
51) 4-Methyl-2-Pentanone	9.98	43	4989	1.159	ug/l	89
52) Toluene	10.16	92	3427301	379.928	ug/l	99
53) t-1,3-Dichloropropene	10.16	75	34535	8.770	ug/l #	1
54) cis-1,3-Dichloropropene	9.90	75	3180	0.601	ug/l #	1
56) Ethyl methacrylate	10.36	69	3593	0.689	ug/l #	80
59) 2-Hexanone	10.76	43	11507	3.689	ug/l #	60
67) Ethyl Benzene	11.51	91	500633	27.499	ug/l	98
68) m/p-Xylenes	11.62	106	652435	93.813	ug/l	99
69) o-Xylene	11.95	106	318498	46.557	ug/l	100
70) Styrene	11.95	104	16001	1.472	ug/l #	1
71) Bromoform	12.40	173	1622	3.247	ug/l #	1
73) Isopropylbenzene	12.25	105	20008	Below Cal		99
75) 1,1,2,2-Tetrachloroethane	12.52	83	7326	1.585	ug/l #	30
76) 1,2,3-Trichloropropane	12.40	75	101092	27.601	ug/l #	100
78) n-propylbenzene	12.59	91	49714	2.952	ug/l	99
79) 2-Chlorotoluene	12.65	91	15983	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	54523	4.074	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	101092	91.916	ug/l #	16

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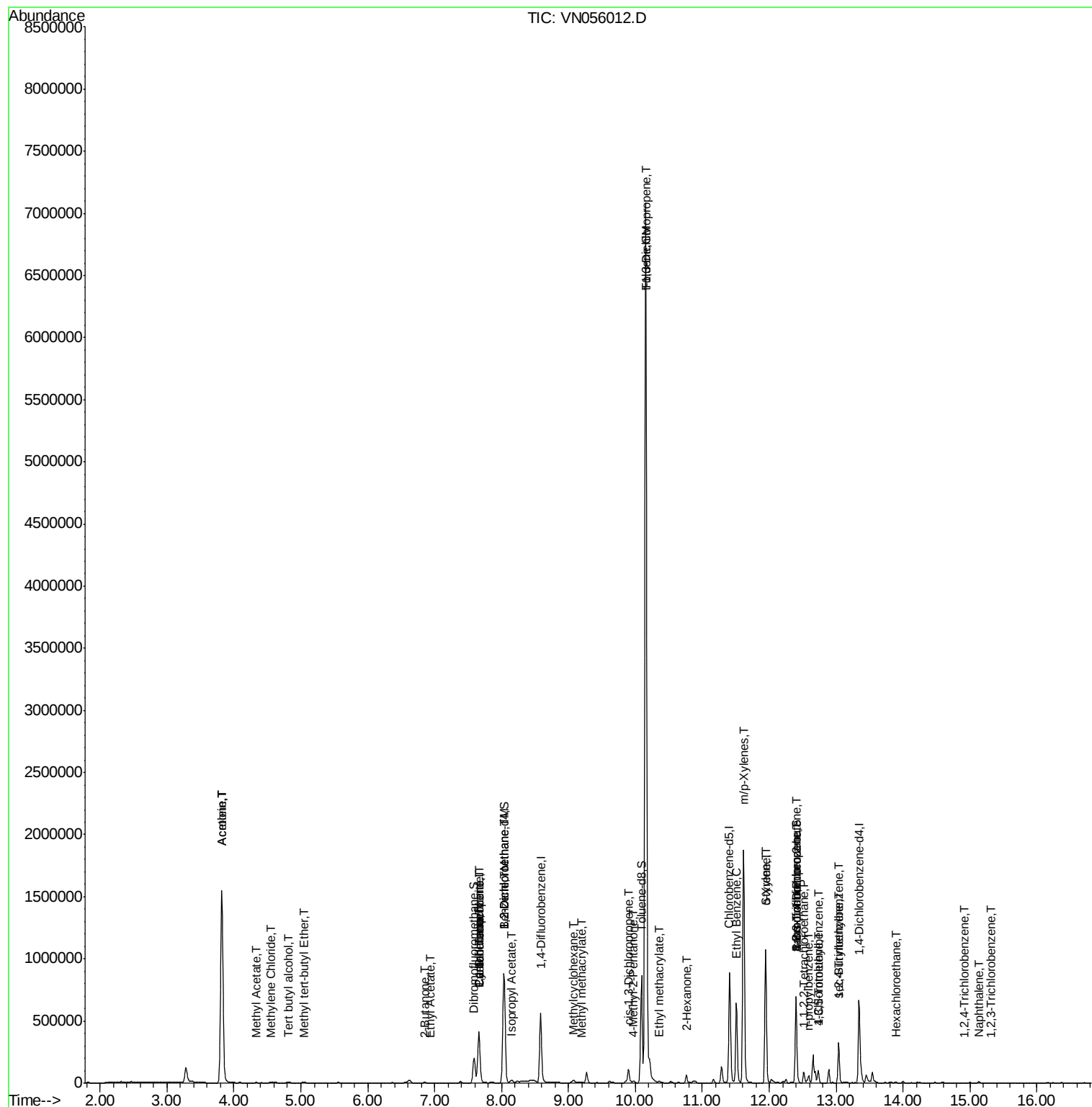
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.73	91	4777	0.485	uq/l #	39
83) tert-Butylbenzene	13.04	119	25257	Below Cal	#	74
84) 1,2,4-Trimethylbenzene	13.04	105	197066	15.527	uq/l	99
85) sec-Butylbenzene	13.04	105	197066	13.214	uq/l #	55
90) Hexachloroethane	13.89	117	505	0.251	uq/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	456	4.383	uq/l #	64
95) Naphthalene	15.13	128	9384	4.761	uq/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	422	3.137	uq/l #	81

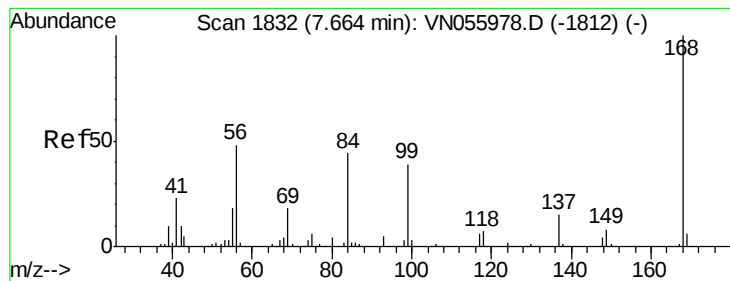
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :

MSVOA_N

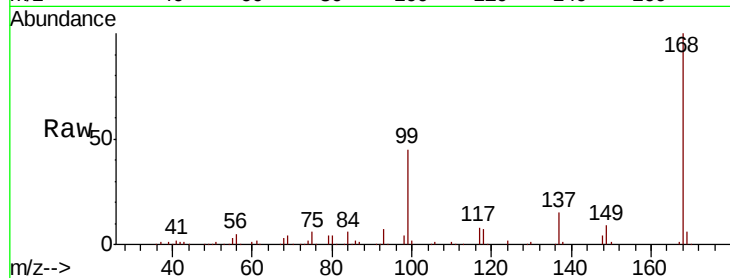
ClientSampleId :

Tot Ion:168 Resp: 367427

Ion Ratio Lower Upper

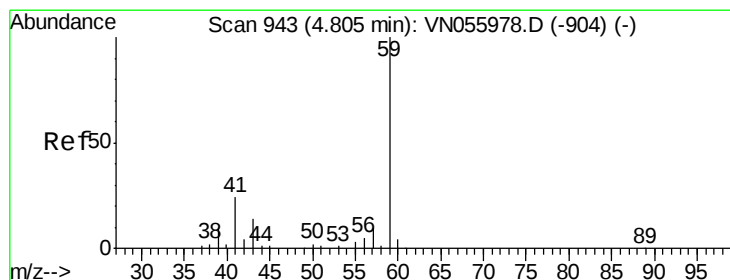
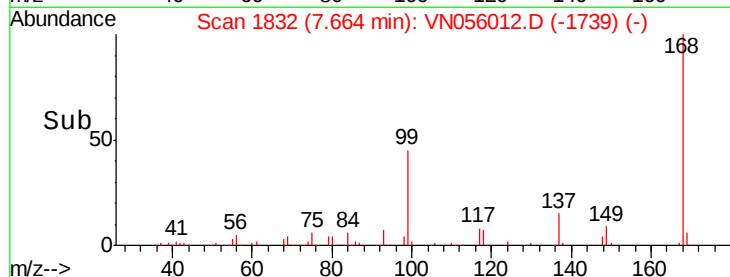
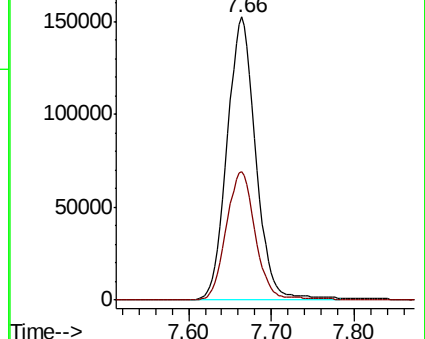
168 100

99 45.3 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: 27.629 ug/l

RT: 4.82 min Scan# 947

Delta R.T. 0.01 min

Lab File: VN056012.D

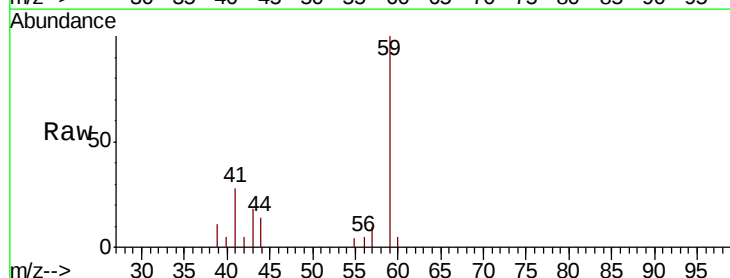
Acq: 5 Jun 2019 16:48

Tgt Ion: 59 Resp: 17541

Ion Ratio Lower Upper

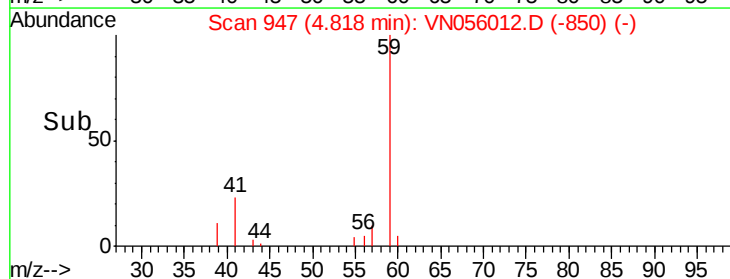
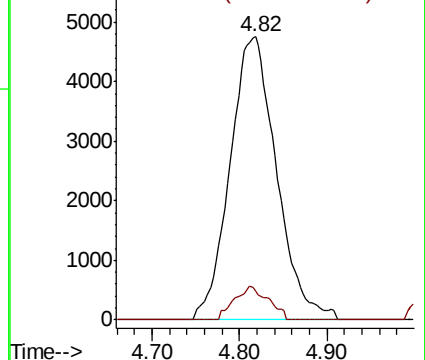
59 100

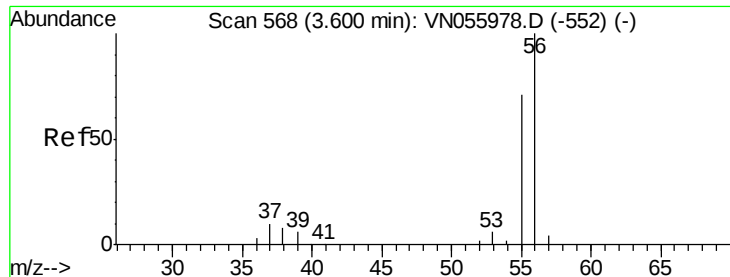
57 8.6 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

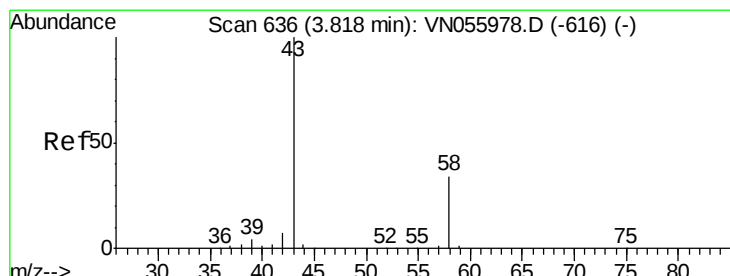
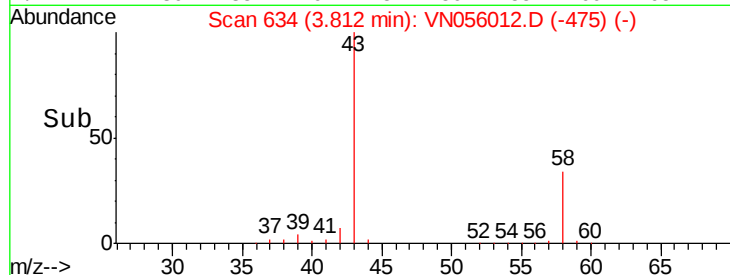
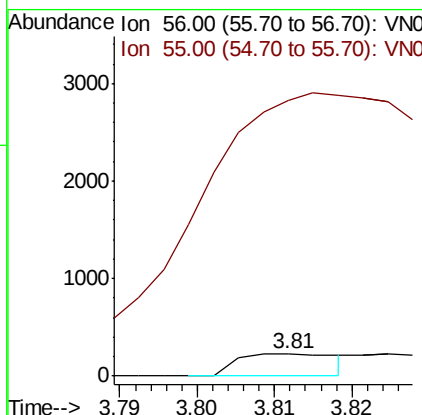
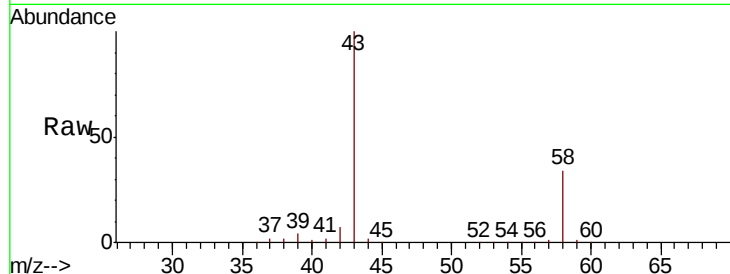




#13
Acrolein
Concen: 1.141 ug/l
RT: 3.81 min Scan# 634
Delta R.T. 0.21 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

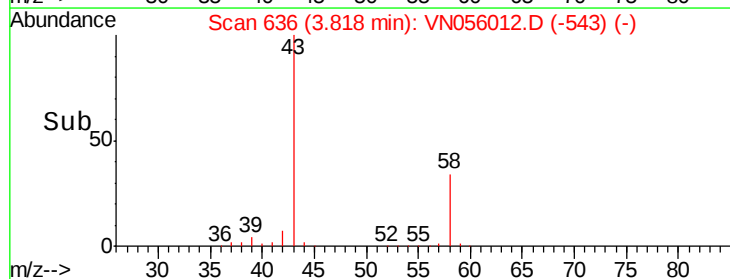
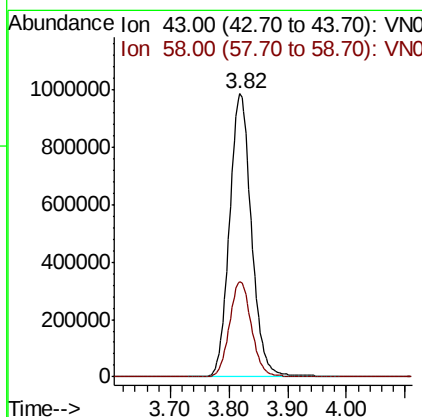
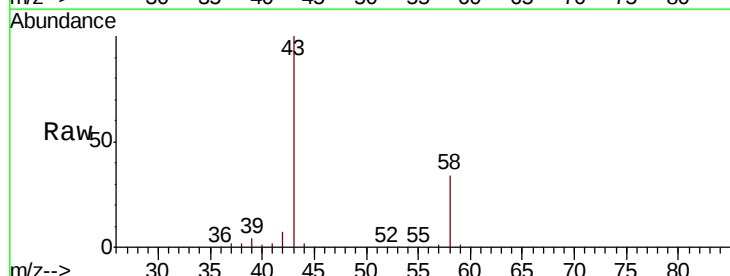
Instrument :
MSVOA_N
ClientSampled :

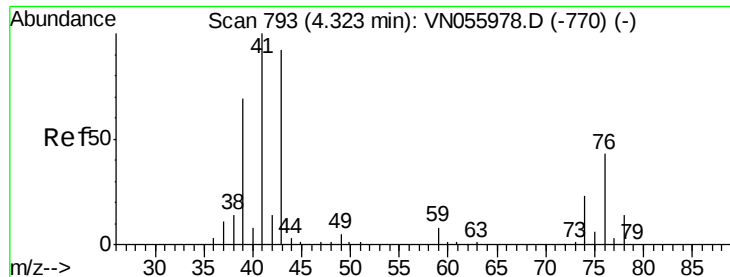
Tot Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
55 3866.0 55.4 83.2#



#16
Acetone
Concen: 1475.756 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Tgt Ion: 43 Resp: 2574959
Ion Ratio Lower Upper
43 100
58 33.8 26.6 39.8

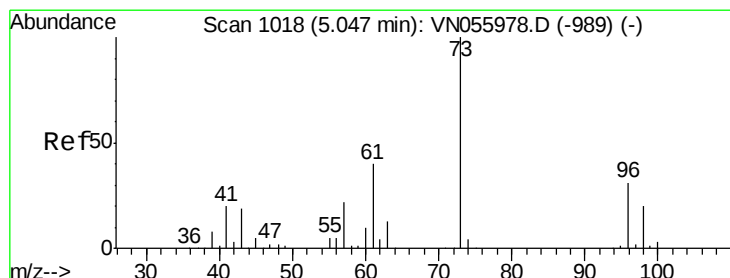
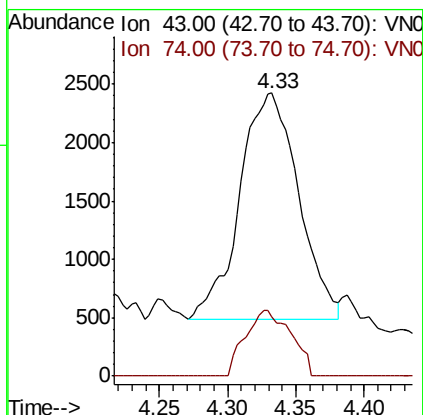
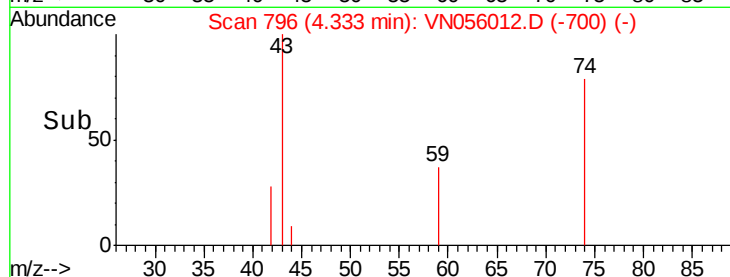
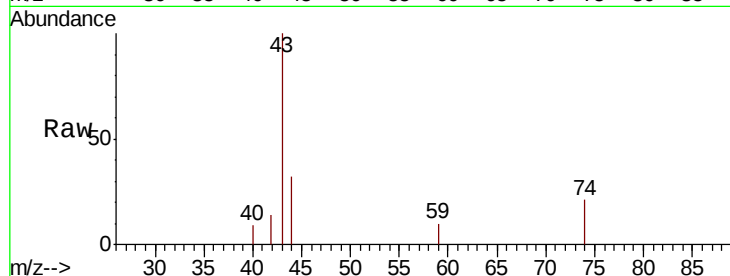




#18
Methyl Acetate
Concen: 1.123 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

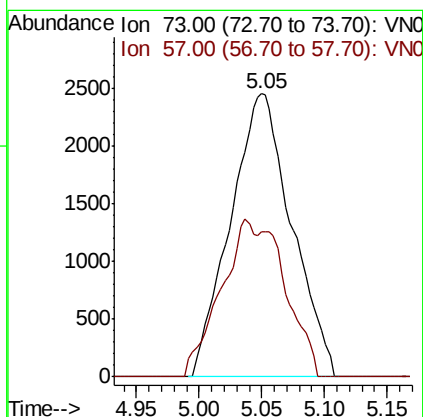
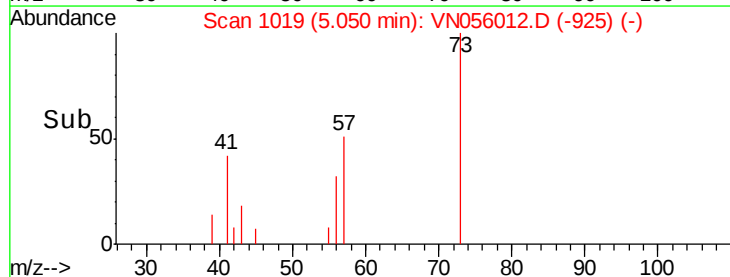
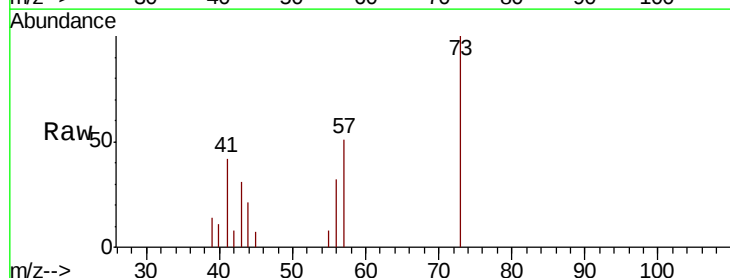
Instrument :
MSVOA_N
ClientSampled :

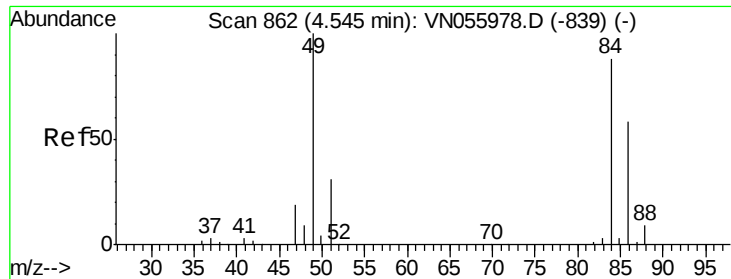
Tot Ion: 43 Resp: 5785
Ion Ratio Lower Upper
43 100
74 22.7 19.3 28.9



#19
Methyl tert-butyl Ether
Concen: 0.848 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Tgt Ion: 73 Resp: 8339
Ion Ratio Lower Upper
73 100
57 51.4 17.8 26.8#

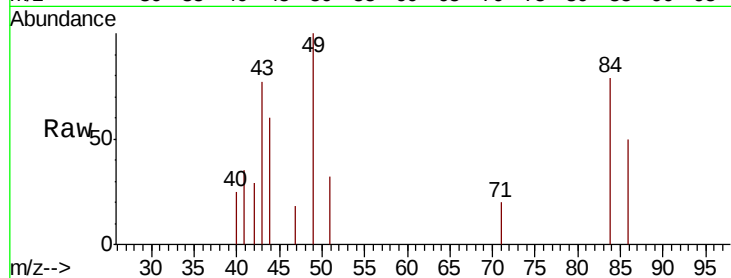




#20
Methvlene Chloride
Concen: 0.657 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	84	Resp:	2361
Ion	Ratio	Lower	Upper
84	100		
49	126.0	93.5	140.3
51	39.8	28.6	43.0
86	63.1	52.6	79.0



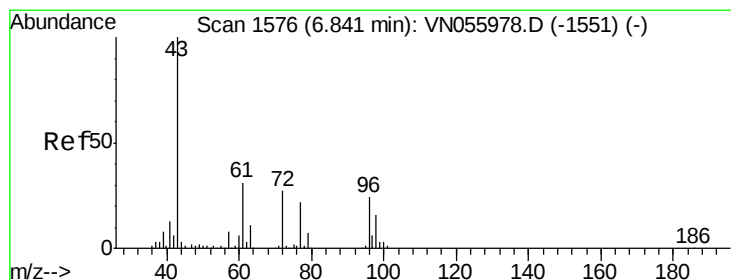
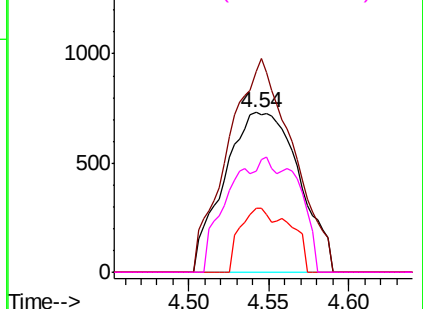
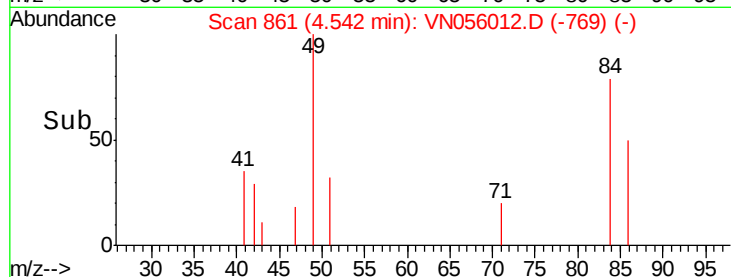
Abundance

Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

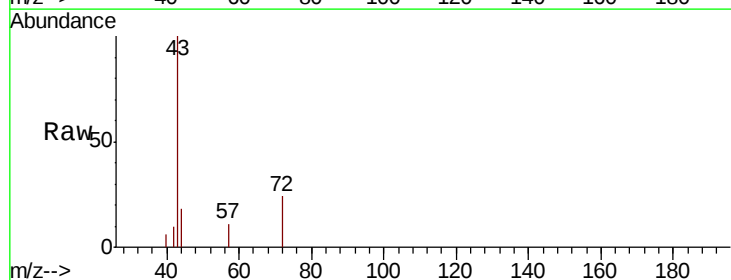
Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#25
2-Butanone
Concen: 4.780 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

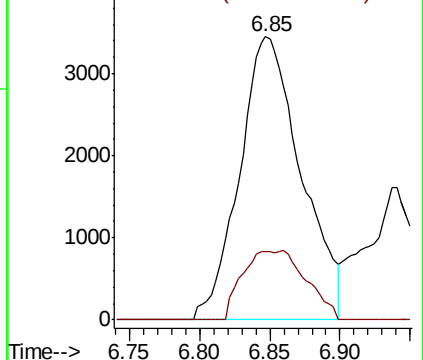
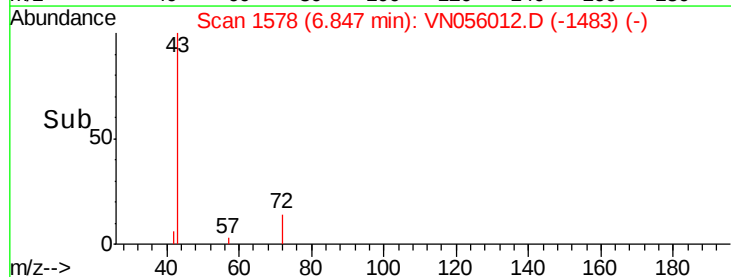
Tgt Ion:	43	Resp:	10537
Ion	Ratio	Lower	Upper
43	100		
72	24.3	21.9	32.9

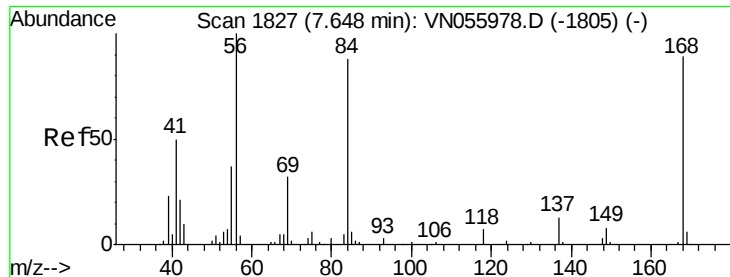


Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

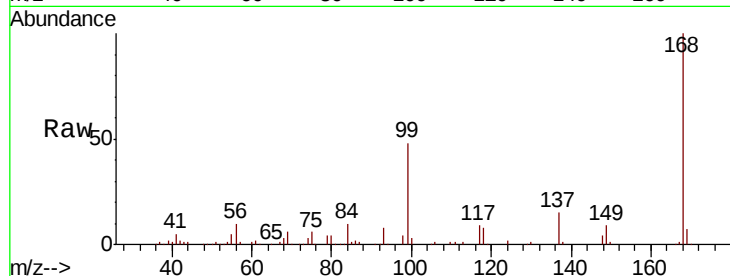




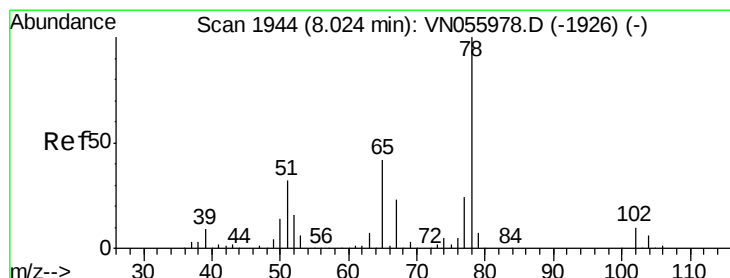
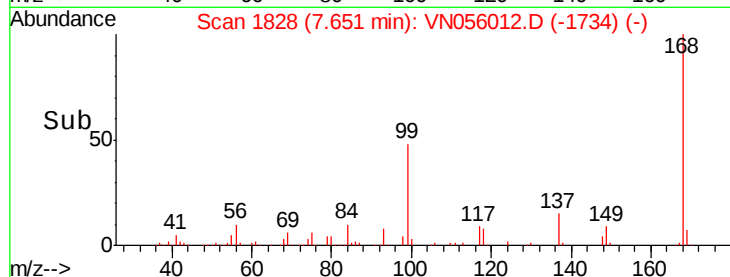
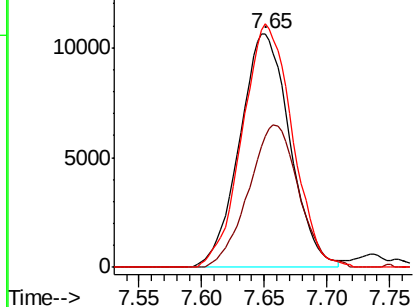
#31
Cyclohexane
Concen: 5.117 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 29624
Ion Ratio Lower Upper
56 100
69 56.1 25.6 38.4#
84 104.2 67.4 101.0#

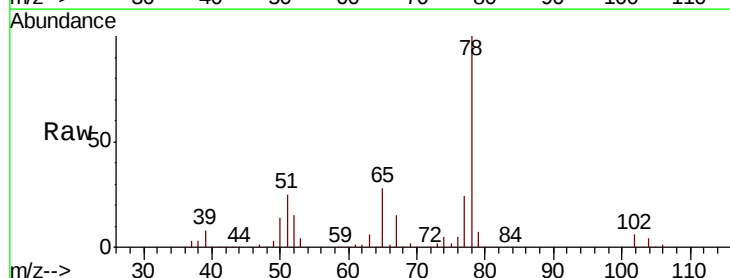


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

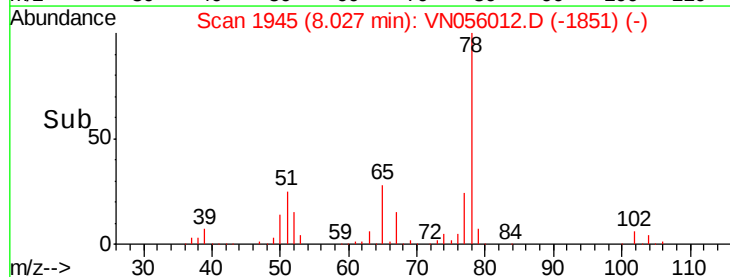
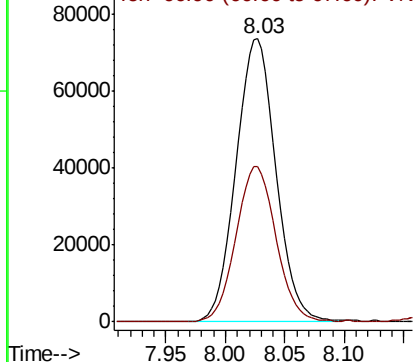


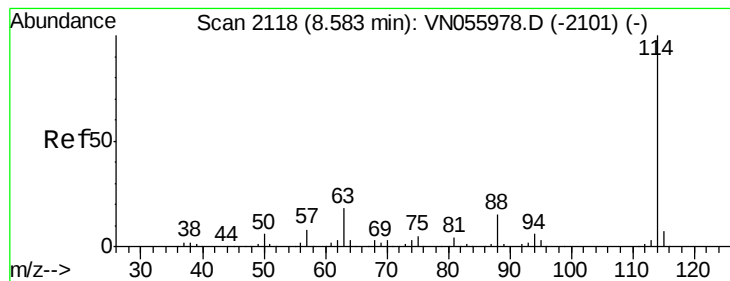
#33
1,2-Dichloroethane-d4
Concen: 46.823 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Tgt Ion: 65 Resp: 170823
Ion Ratio Lower Upper
65 100
67 55.1 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: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

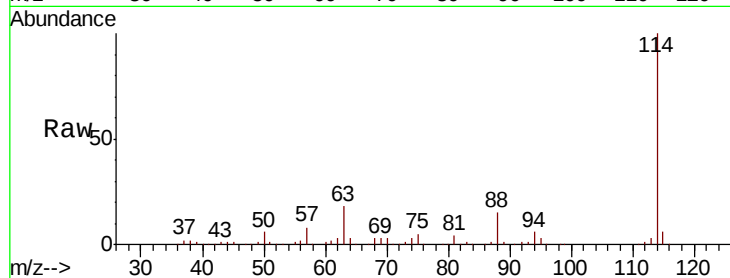
Tot Ion:114 Resp: 555102

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.2

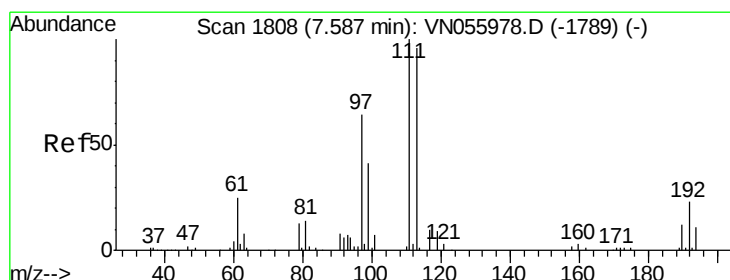
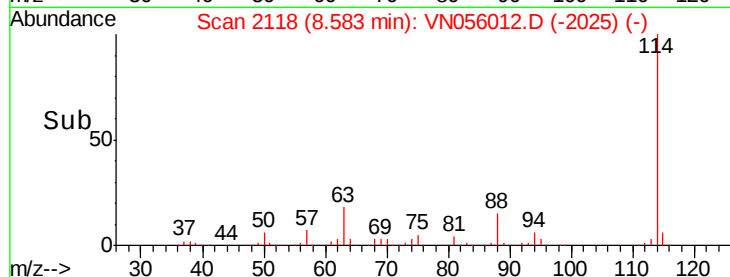
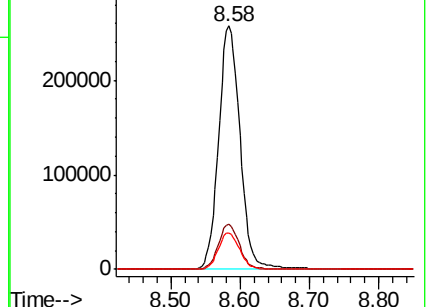
88 15.1 0.0 31.0



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



#35

Dibromofluoromethane

Concen: 46.337 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

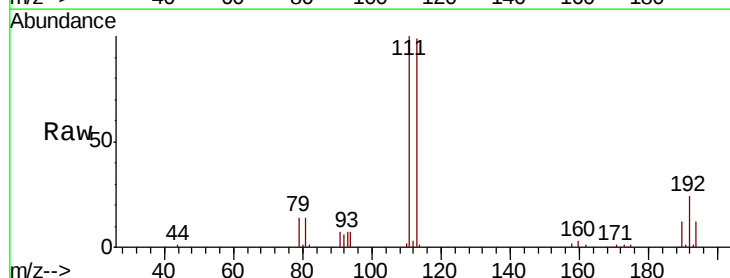
Tgt Ion:113 Resp: 157812

Ion Ratio Lower Upper

113 100

111 100.9 81.9 122.9

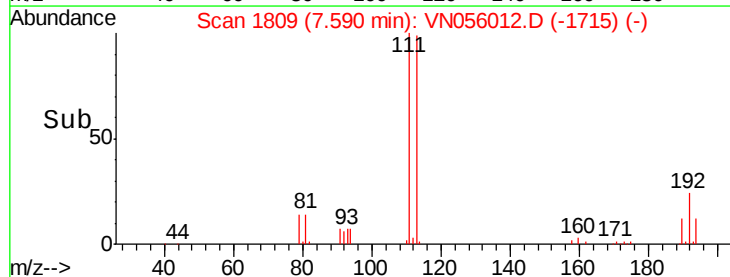
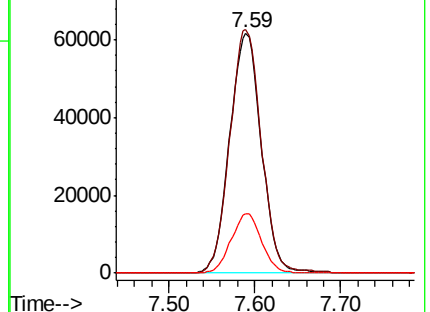
192 23.7 19.5 29.3

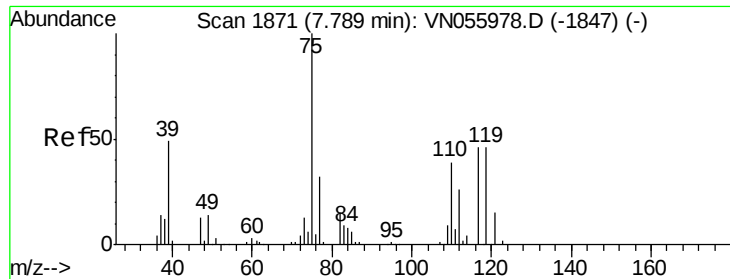


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

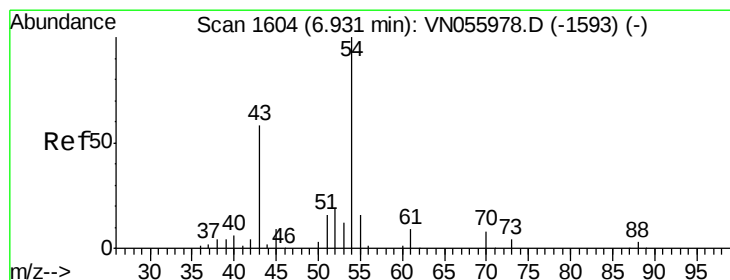
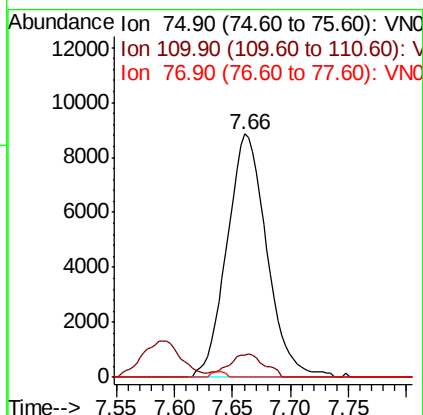
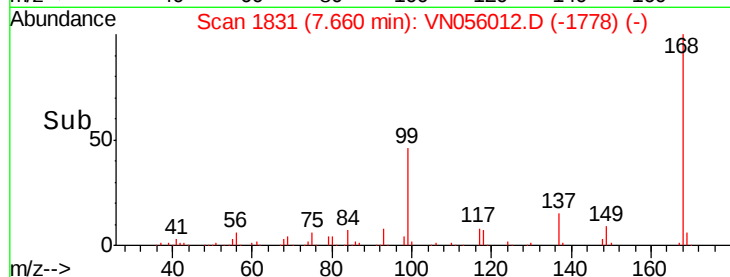
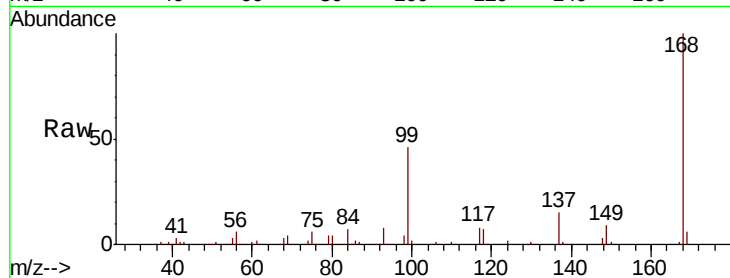




#36
 1,1-Dichloropropene
 Concen: 4.423 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056012.D
 Acq: 5 Jun 2019 16:48

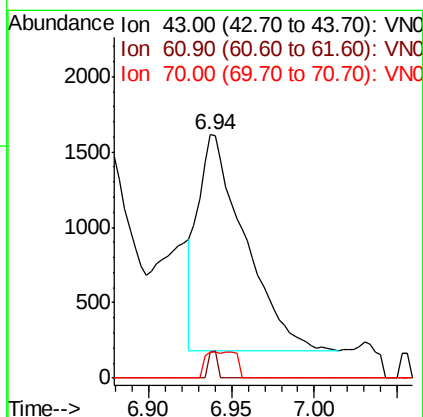
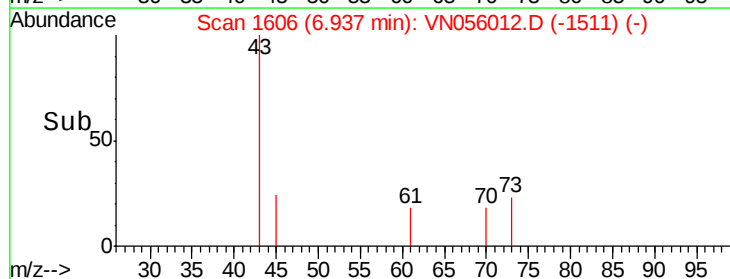
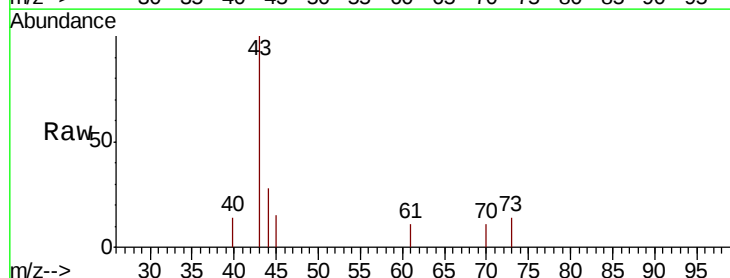
Instrument :
 MSVOA_N
 ClientSampleId :

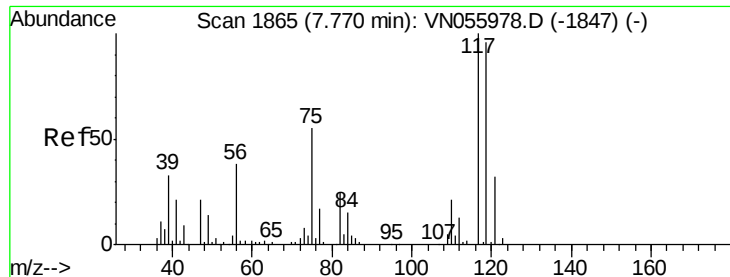
Tot Ion: 75 Resp: 21112
 Ion Ratio Lower Upper
 75 100
 110 8.6 19.0 57.0#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 0.661 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.01 min
 Lab File: VN056012.D
 Acq: 5 Jun 2019 16:48

Tgt Ion: 43 Resp: 2807
 Ion Ratio Lower Upper
 43 100
 61 2.4 12.2 18.2#
 70 4.6 8.9 13.3#

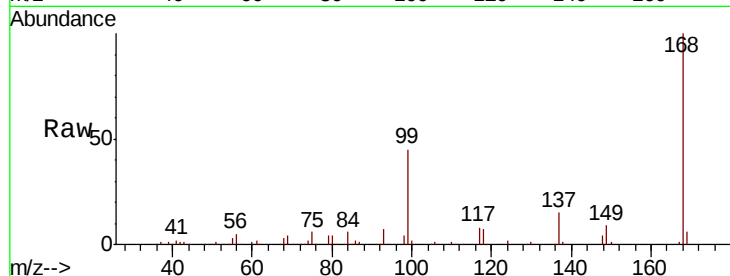




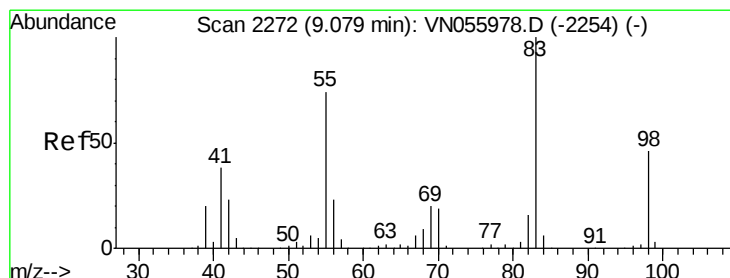
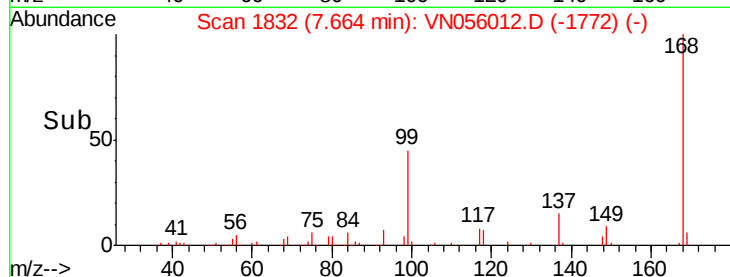
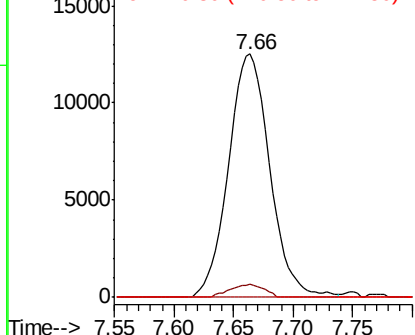
#38
Carbon Tetrachloride
Concen: 6.858 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 30178
Ion Ratio Lower Upper
117 100
119 5.3 79.0 118.6#
121 0.0 24.7 37.1#

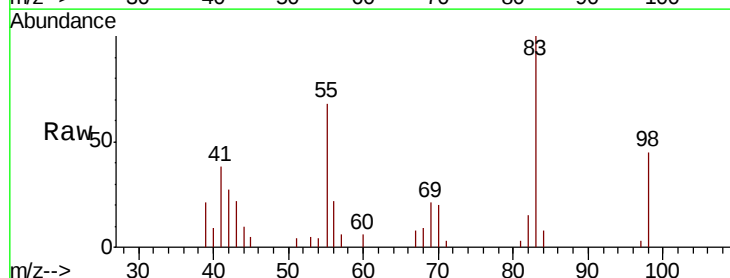


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

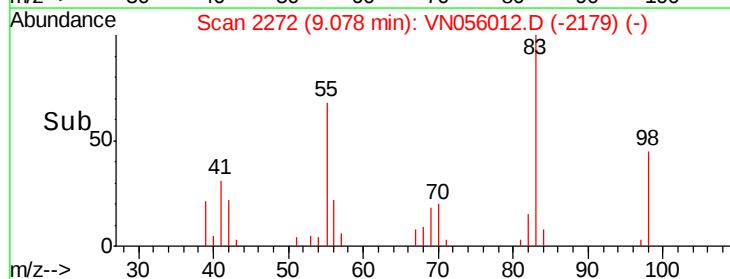
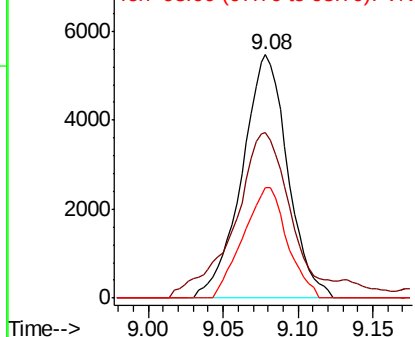


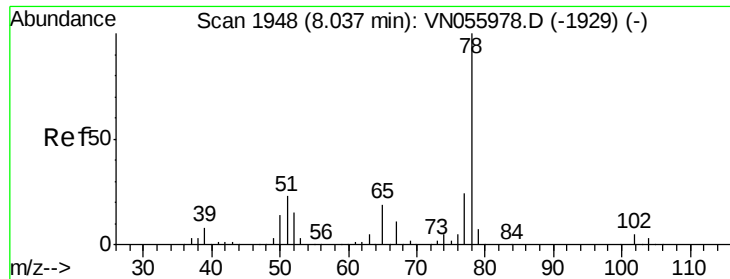
#39
Methylcyclohexane
Concen: 1.960 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Tgt Ion: 83 Resp: 11652
Ion Ratio Lower Upper
83 100
55 61.1 59.3 88.9
98 45.4 36.6 54.8



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 57.611 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

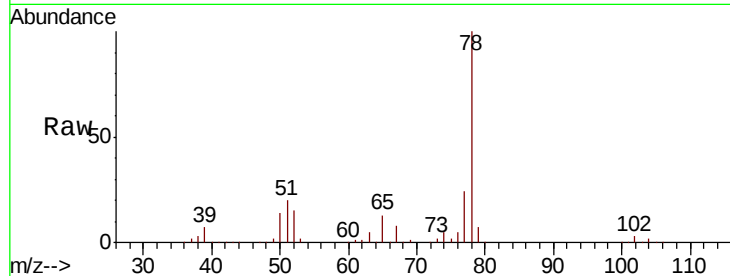
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 78 Resp: 835183

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN055978.D (-1929) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-1929) (-)

8.04

400000

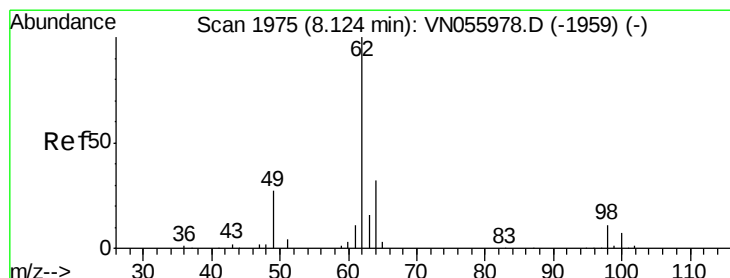
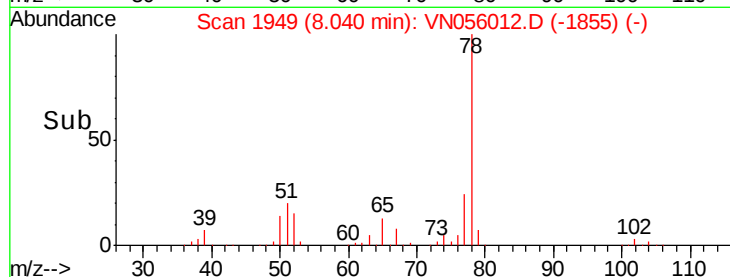
300000

200000

100000

0

Time-->



#42

1,2-Dichloroethane

Concen: 1.296 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.08 min

Lab File: VN056012.D

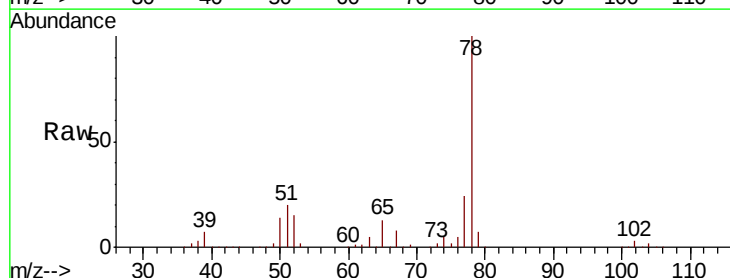
Acq: 5 Jun 2019 16:48

Tgt Ion: 62 Resp: 6042

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VN055978.D (-1959) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1959) (-)

8.04

3000

2500

2000

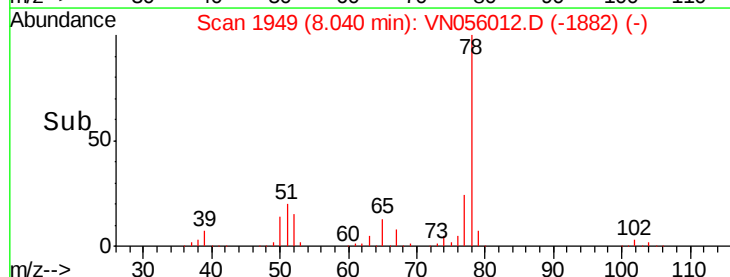
1500

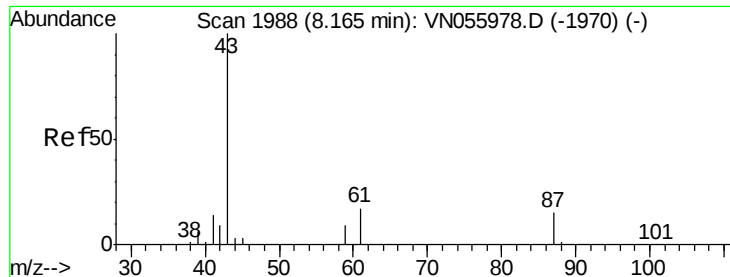
1000

500

0

Time-->





#43

Isopropyl Acetate

Concen: 0.668 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.01 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :
MSVOA_N
ClientSampleId :

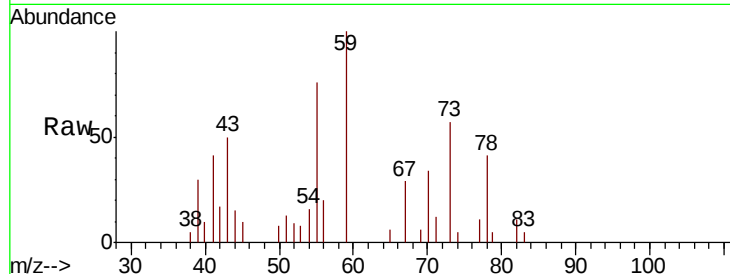
Tot Ion: 43 Resp: 4596

Ion Ratio Lower Upper

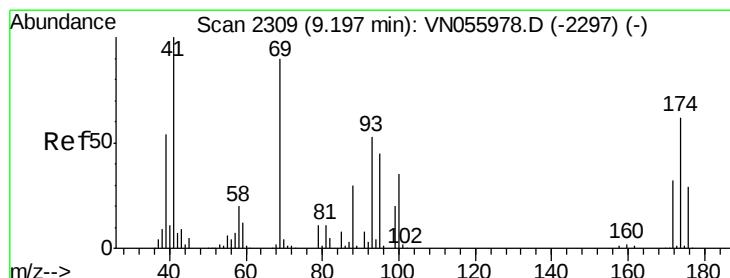
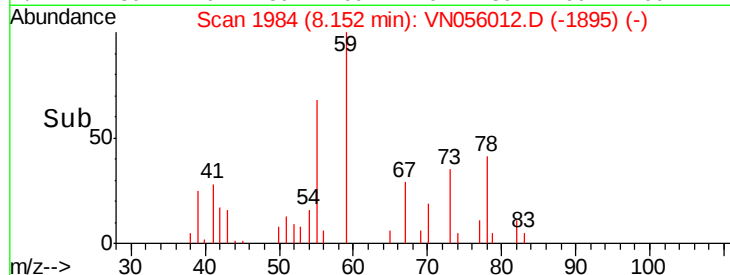
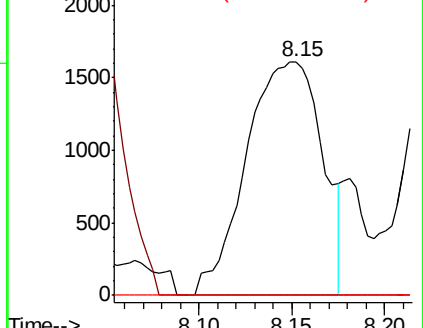
43 100

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



#48

Methyl methacrylate

Concen: 1.011 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

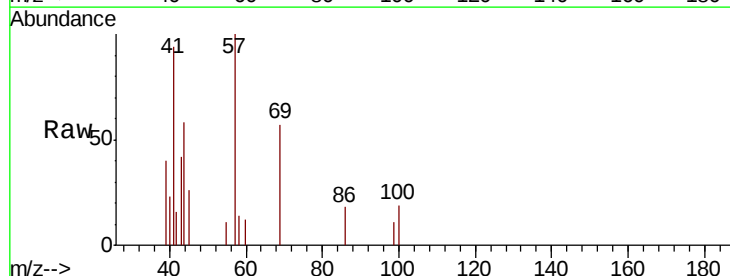
Tgt Ion: 41 Resp: 3403

Ion Ratio Lower Upper

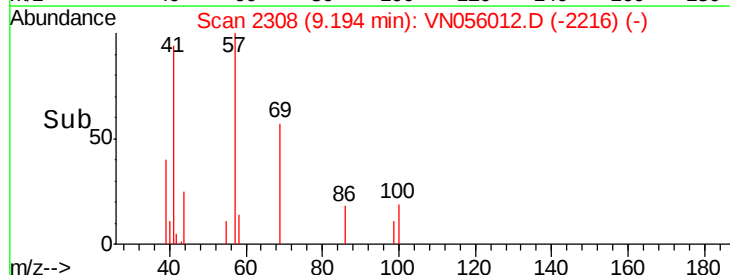
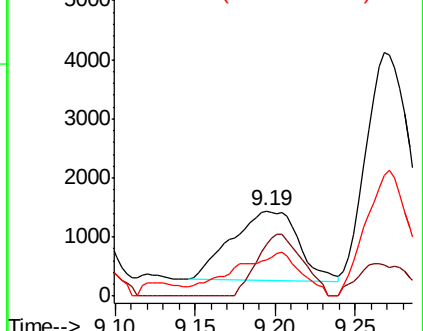
41 100

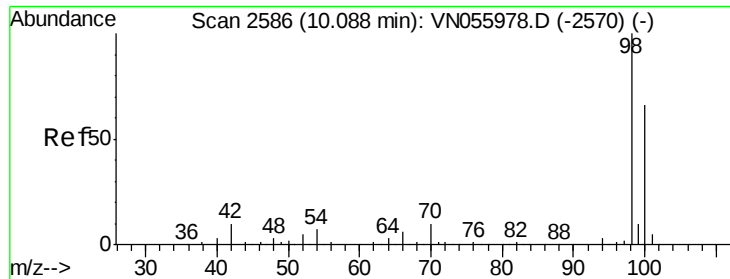
69 59.7 71.0 106.6#

39 63.4 44.2 66.2



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 50.702 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :

MSVOA_N

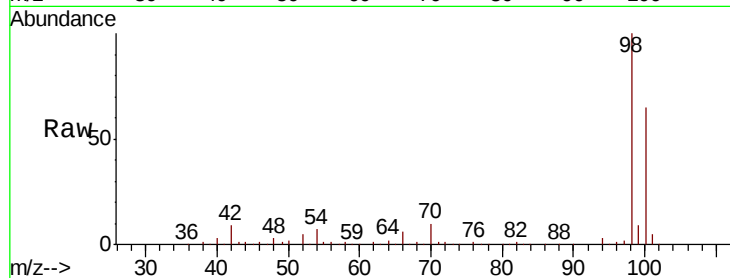
ClientSampled :

Tot Ion: 98 Resp: 664470

Ion Ratio Lower Upper

98 100

100 64.4 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

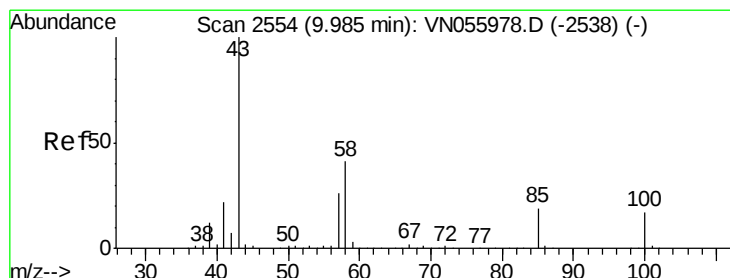
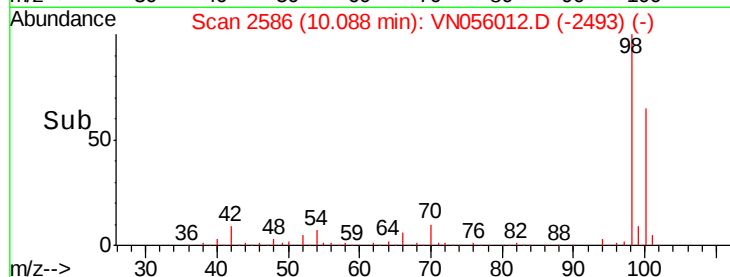
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.159 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056012.D

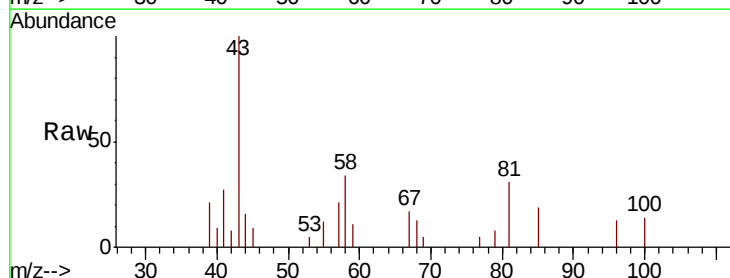
Acq: 5 Jun 2019 16:48

Tgt Ion: 43 Resp: 4989

Ion Ratio Lower Upper

43 100

58 46.6 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) (-)

9.98

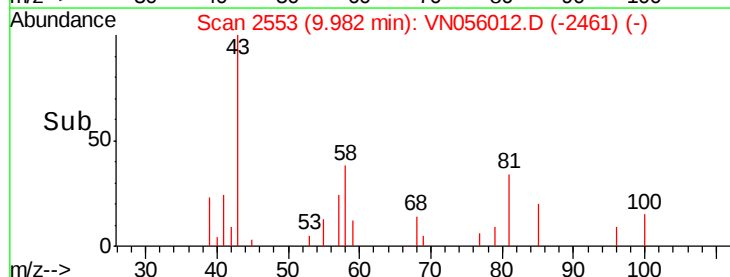
3000

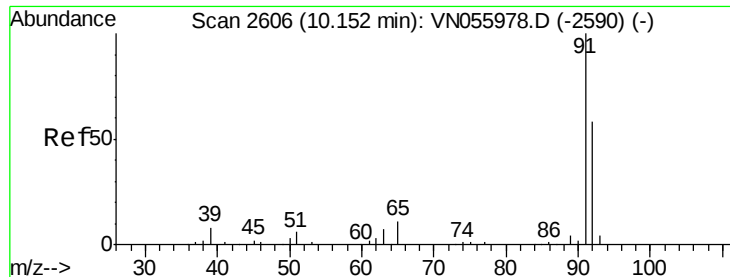
2000

1000

0

Time-->





#52

Toluene

Concen: 379.928 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :

MSVOA_N

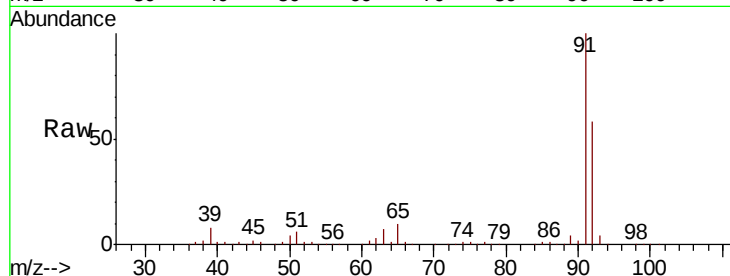
ClientSampleId :

Tot Ion: 92 Resp: 3427301

Ion Ratio Lower Upper

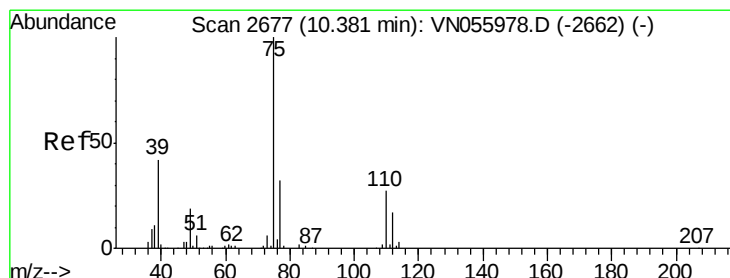
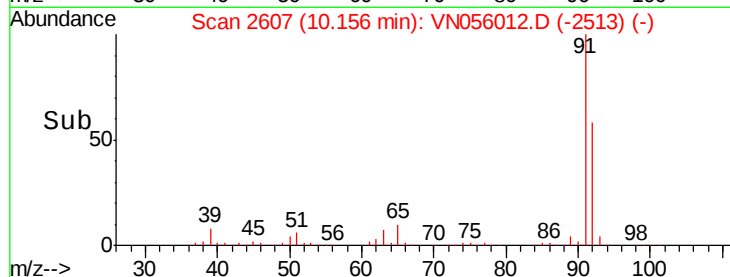
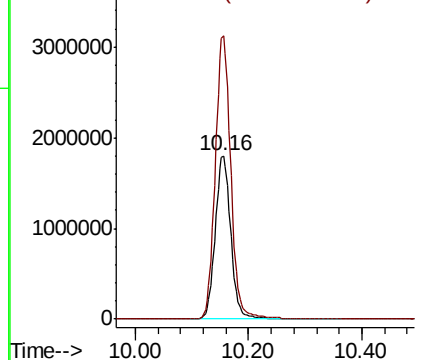
92 100

91 173.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 8.770 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.22 min

Lab File: VN056012.D

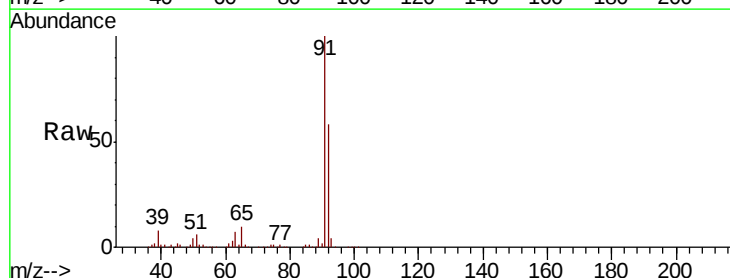
Acq: 5 Jun 2019 16:48

Tgt Ion: 75 Resp: 34535

Ion Ratio Lower Upper

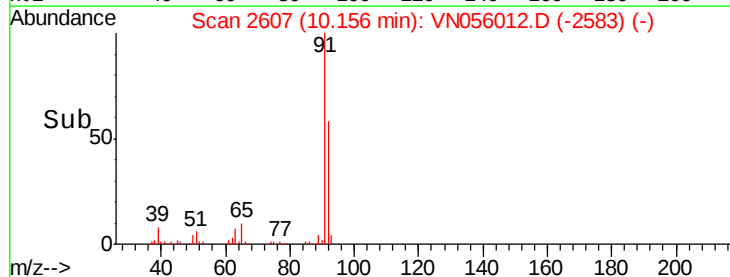
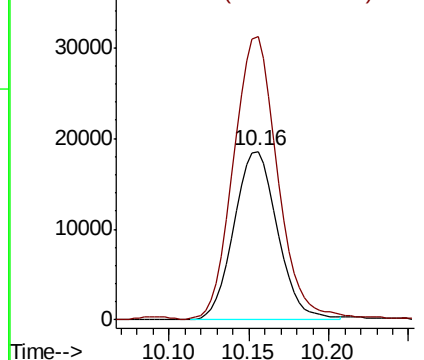
75 100

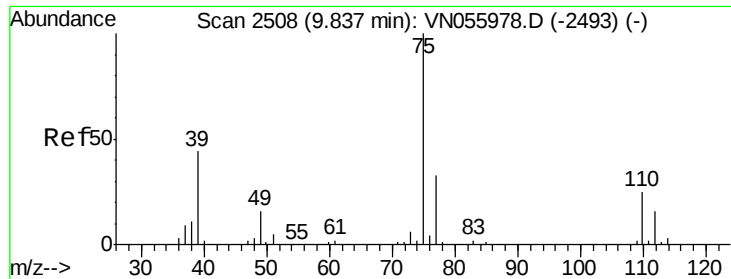
77 167.1 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



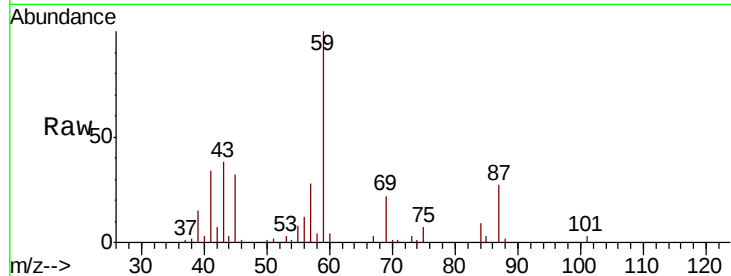


#54

cis-1,3-Dichloropropene
Concen: 0.601 ug/l
RT: 9.90 min Scan# 2529
Delta R.T. 0.07 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.4	38.0#
39	184.8	36.3	54.5#

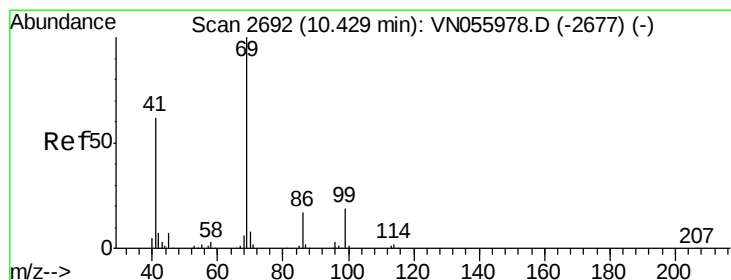
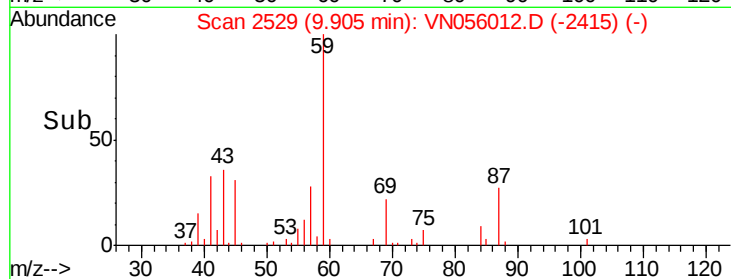
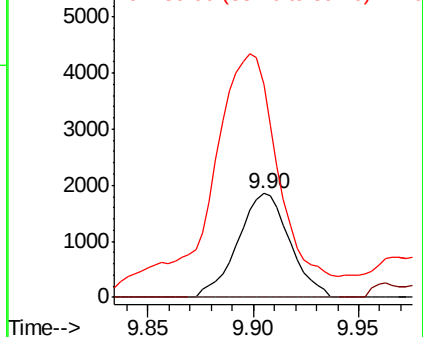


Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

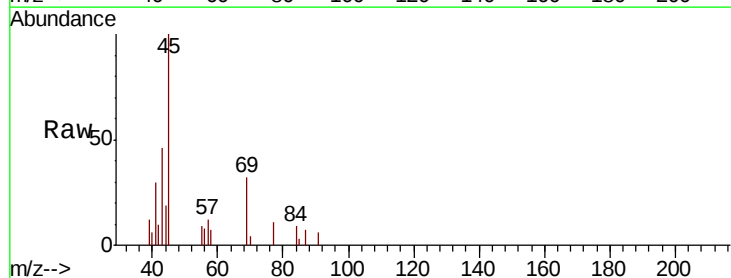
Ion 39.00 (38.70 to 39.70): VNO



#56

Ethyl methacrylate
Concen: 0.689 ug/l
RT: 10.36 min Scan# 2670
Delta R.T. -0.07 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.7	74.5
39	0.0	24.7	37.1#

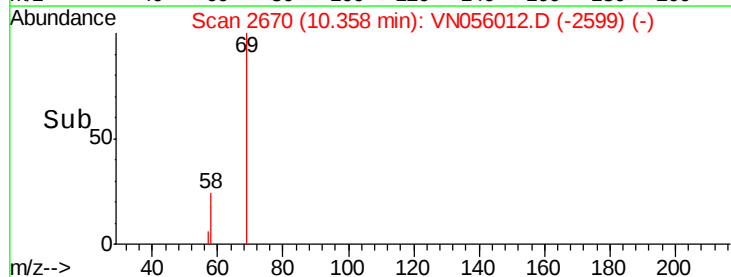
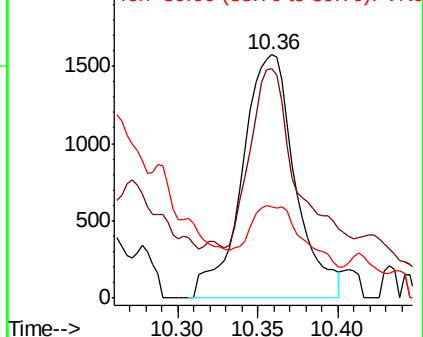


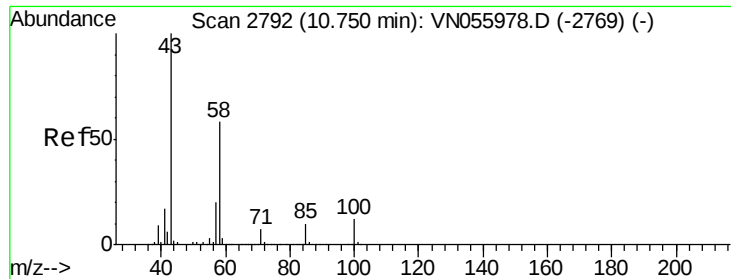
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

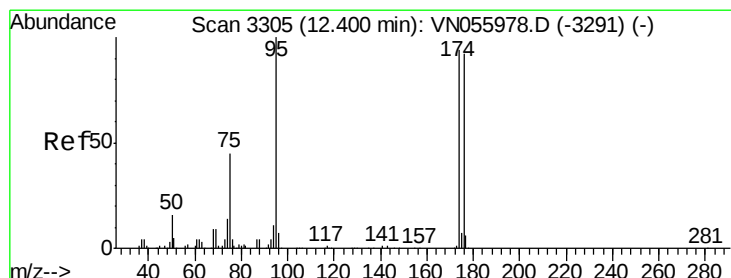
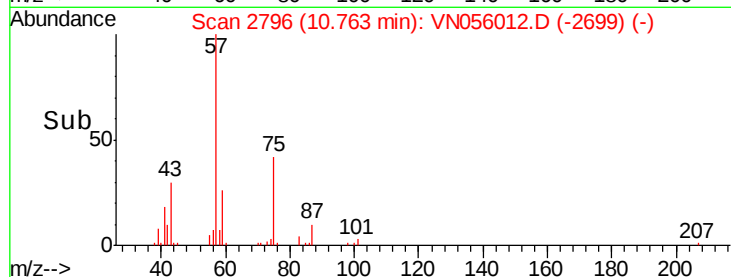
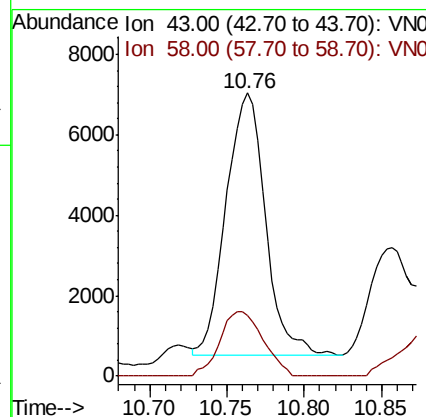
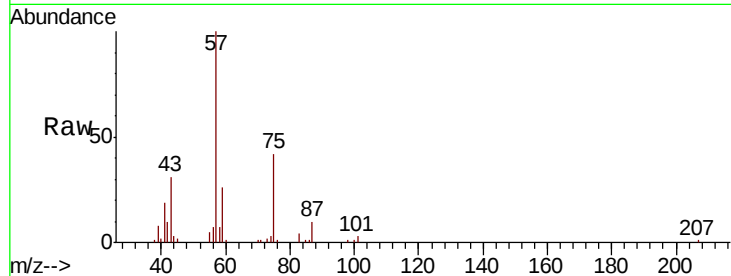




#59
2-Hexanone
Concen: 3.689 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

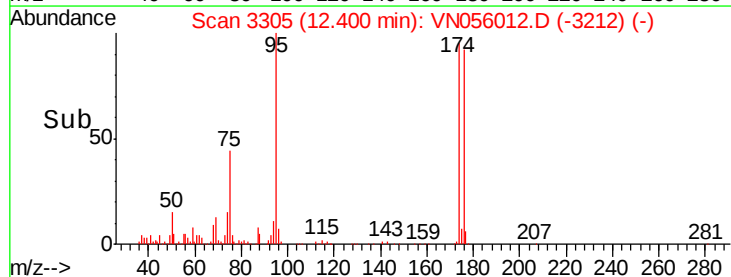
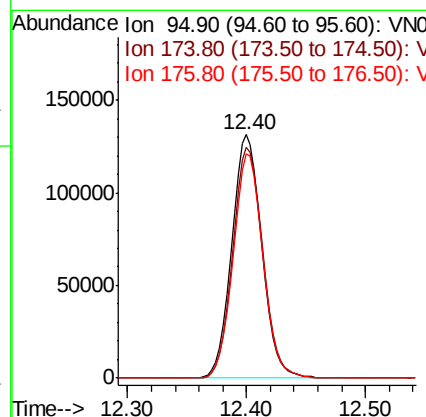
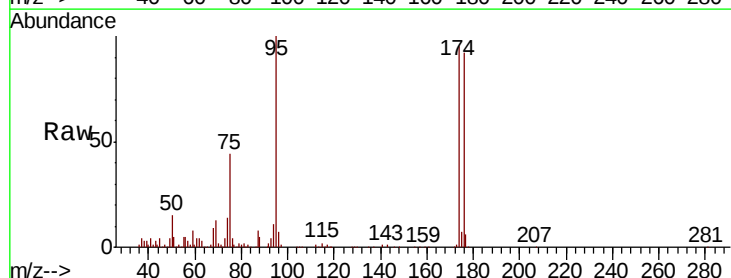
Instrument :
MSVOA_N
ClientSampleId :

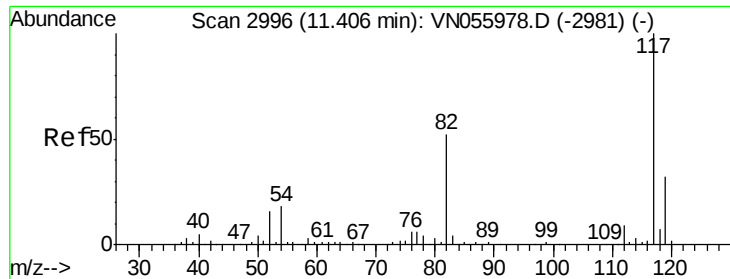
Tot Ion: 43 Resp: 11507
Ion Ratio Lower Upper
43 100
58 27.1 28.2 84.7#



#62
4-Bromofluorobenzene
Concen: 51.320 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Tgt Ion: 95 Resp: 228721
Ion Ratio Lower Upper
95 100
174 95.4 0.0 191.0
176 91.6 0.0 185.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :

MSVOA_N

ClientSampled :

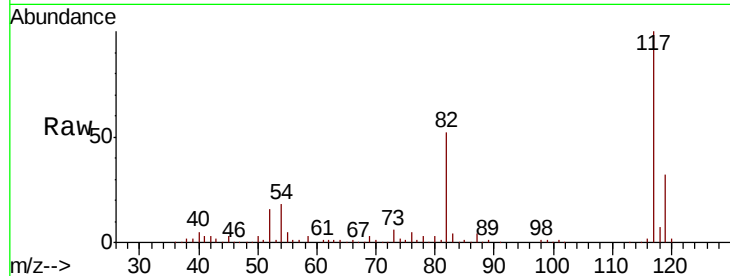
Tot Ion:117 Resp: 526069

Ion Ratio Lower Upper

117 100

82 51.6 41.8 62.8

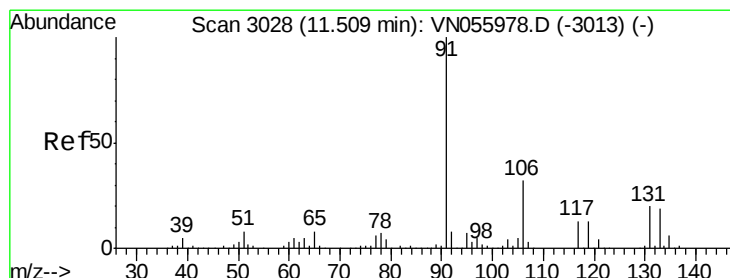
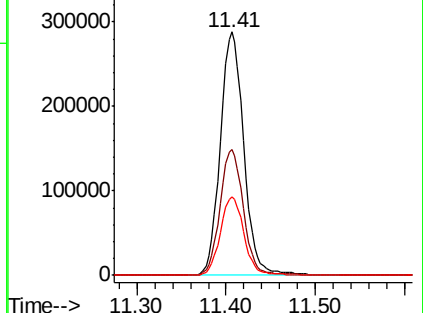
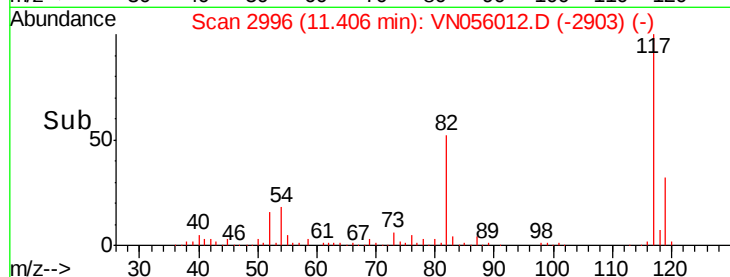
119 32.2 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 27.499 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056012.D

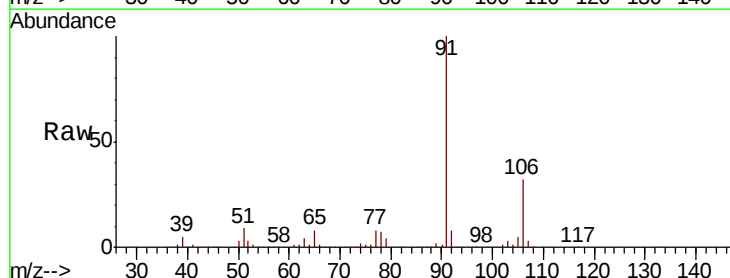
Acq: 5 Jun 2019 16:48

Tgt Ion: 91 Resp: 500633

Ion Ratio Lower Upper

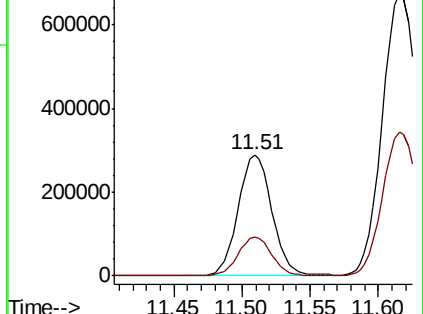
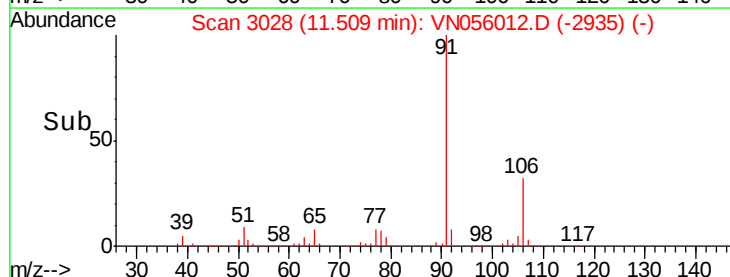
91 100

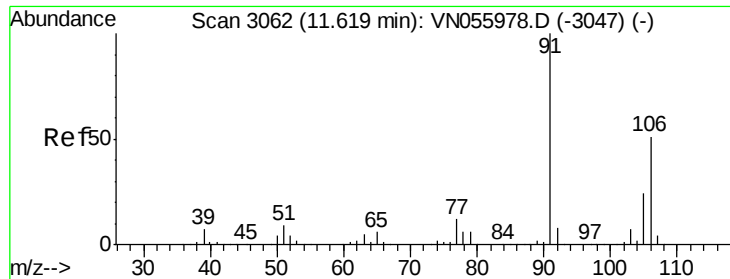
106 32.4 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V

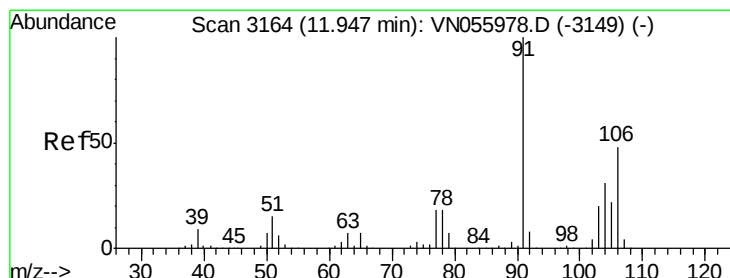
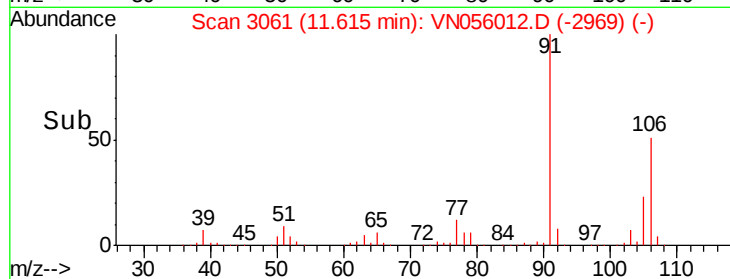
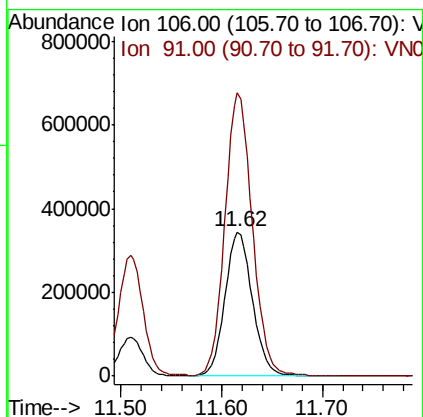
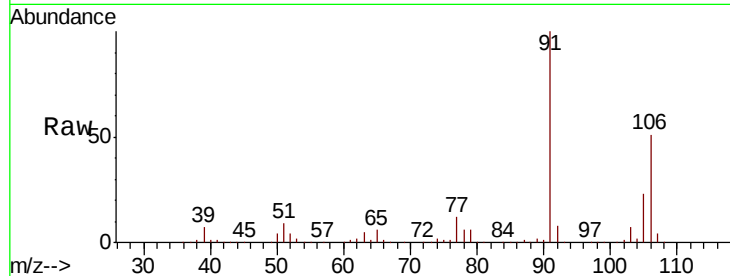




#68
m/p-Xylenes
Concen: 93.813 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

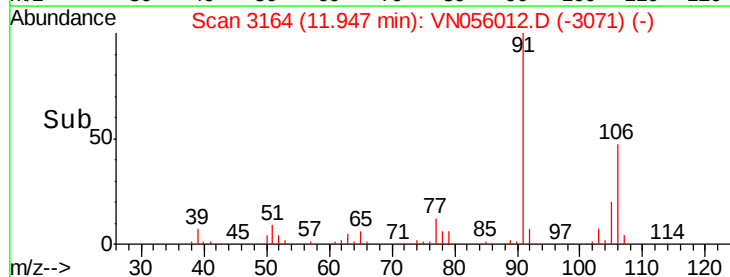
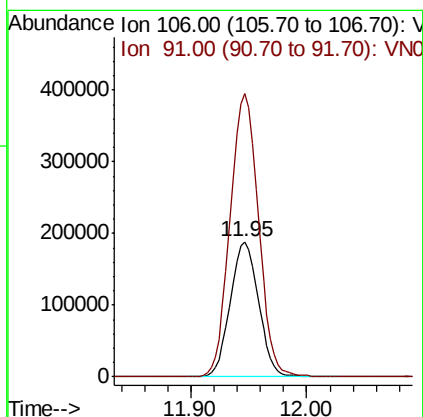
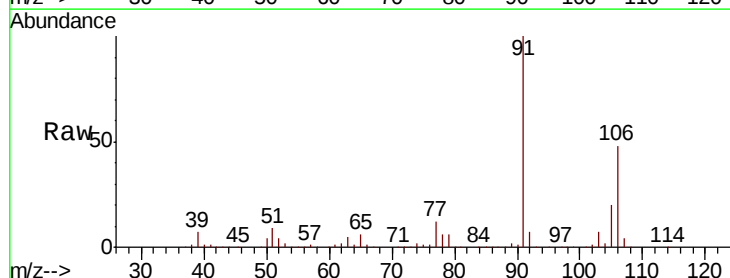
Instrument :
MSVOA_N
ClientSampleId :

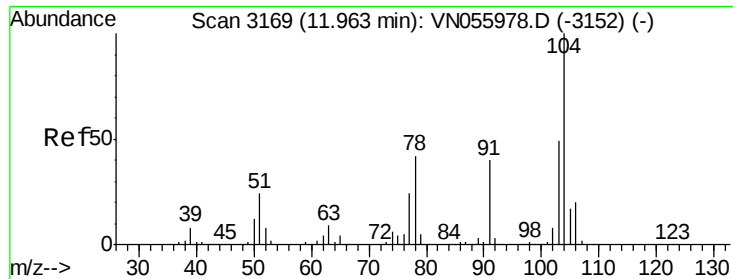
Tot Ion:106 Resp: 652435
Ion Ratio Lower Upper
106 100
91 197.1 159.3 238.9



#69
o-Xylene
Concen: 46.557 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Tgt Ion:106 Resp: 318498
Ion Ratio Lower Upper
106 100
91 210.0 104.7 314.1

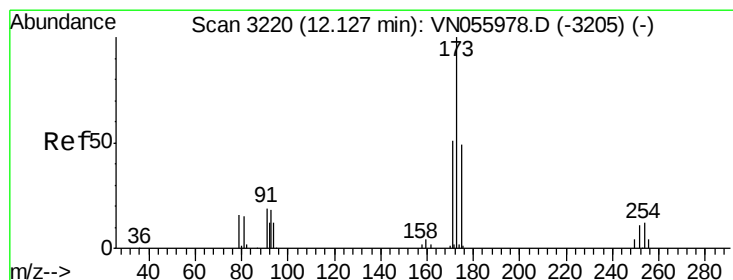
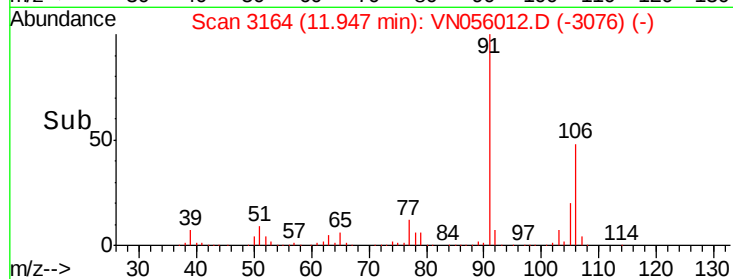
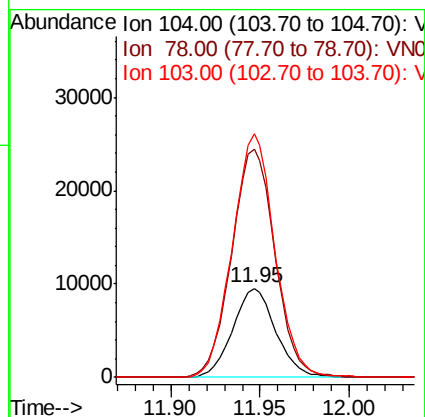
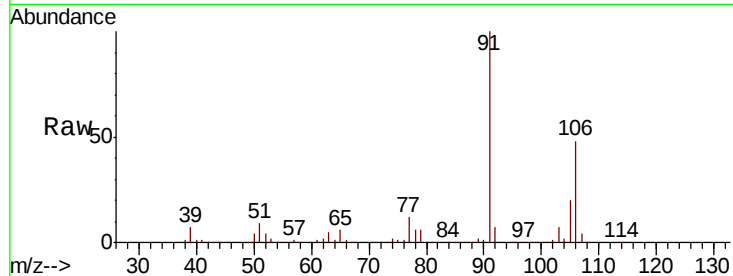




#70
Stvrene
Concen: 1.472 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

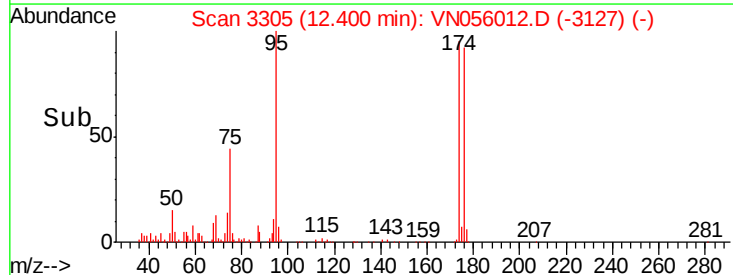
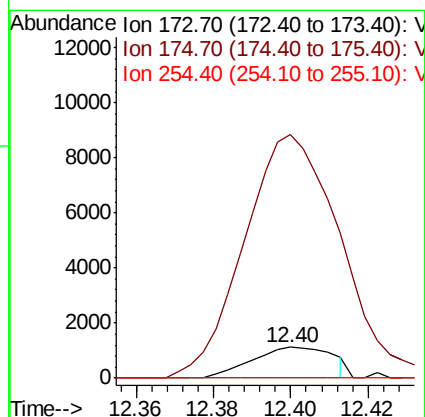
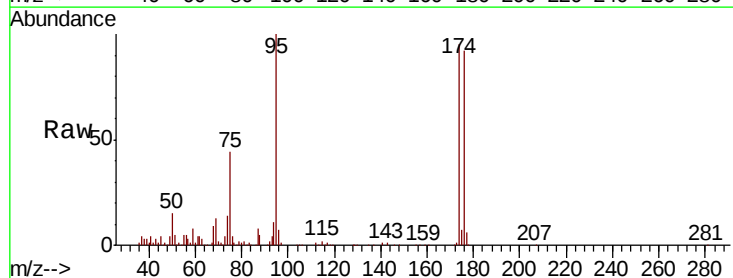
Instrument :
MSVOA_N
ClientSampleId :

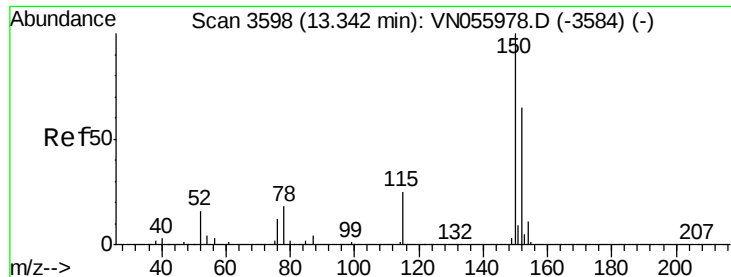
Tot Ion:104 Resp: 16001
Ion Ratio Lower Upper
104 100
78 258.8 37.8 56.6#
103 270.3 44.2 66.2#



#71
Bromoform
Concen: 3.247 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Tgt Ion:173 Resp: 1622
Ion Ratio Lower Upper
173 100
175 828.6 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: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

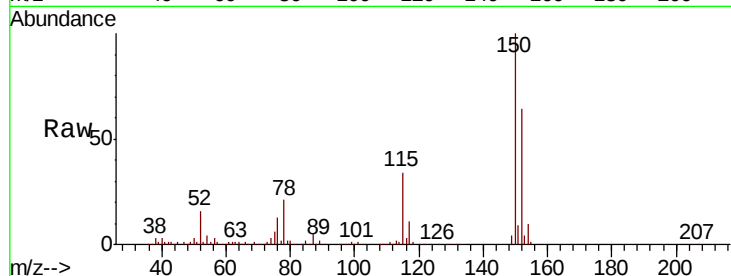
Tot Ion:152 Resp: 199053

Ion Ratio Lower Upper

152 100

115 53.7 27.0 81.0

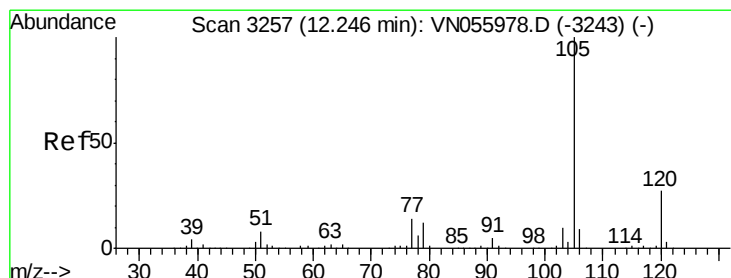
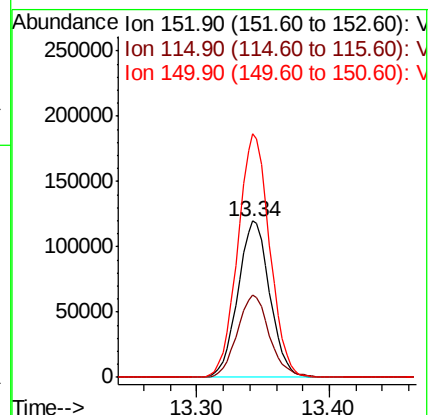
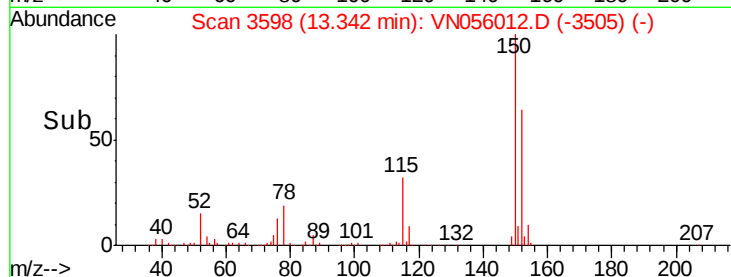
150 156.3 0.0 343.2



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056012.D

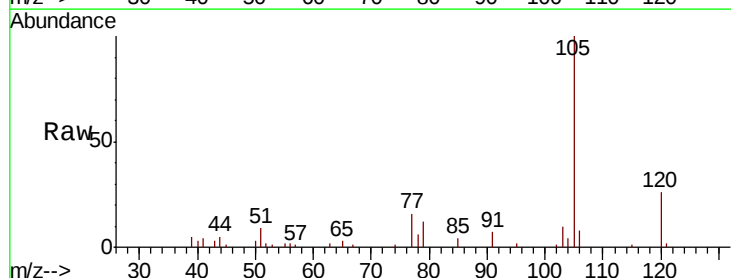
Acq: 5 Jun 2019 16:48

Tgt Ion:105 Resp: 20008

Ion Ratio Lower Upper

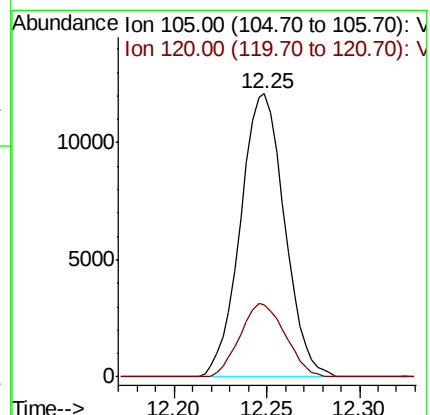
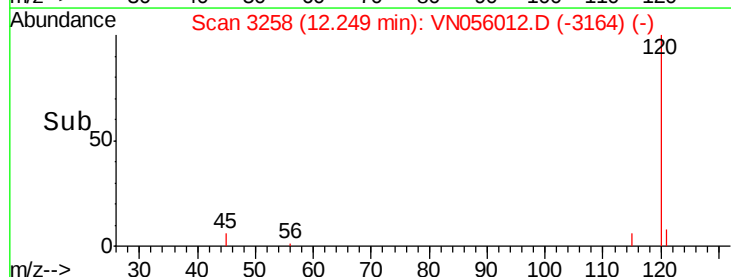
105 100

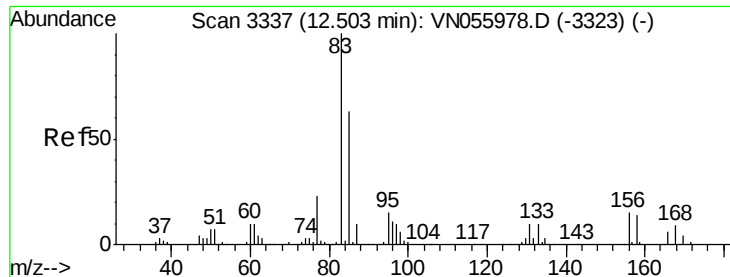
120 26.5 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.585 ug/l

RT: 12.52 min Scan# 3341

Delta R.T. 0.01 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

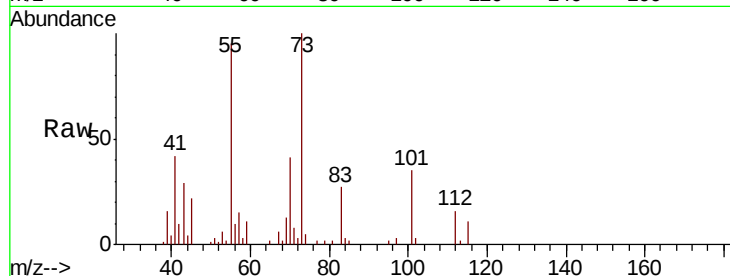
Tot Ion: 83 Resp: 7326

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

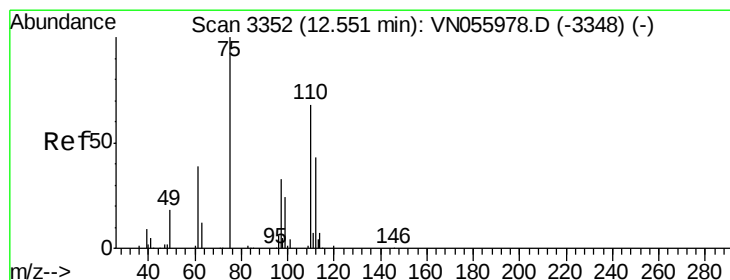
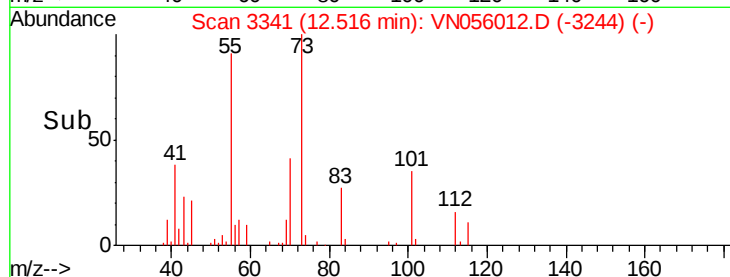
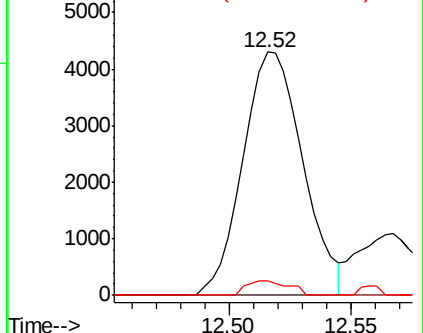
85 4.2 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.601 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056012.D

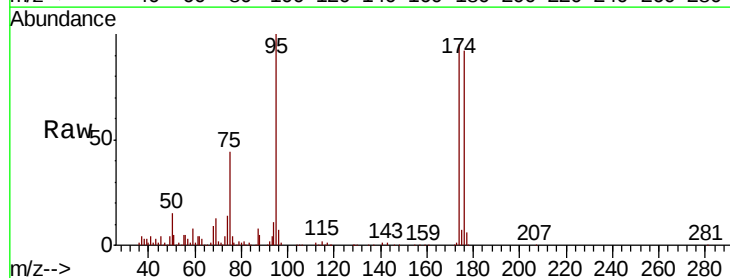
Acq: 5 Jun 2019 16:48

Tgt Ion: 75 Resp: 101092

Ion Ratio Lower Upper

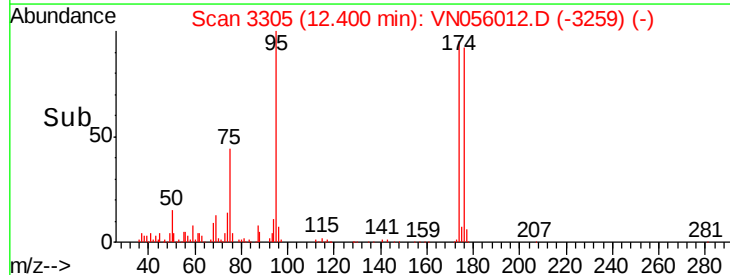
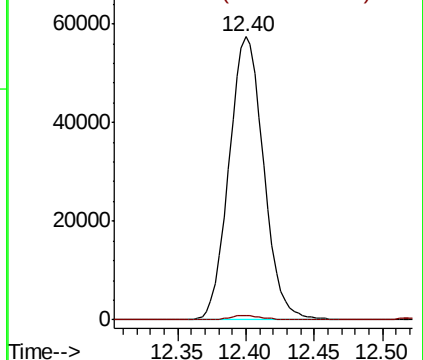
75 100

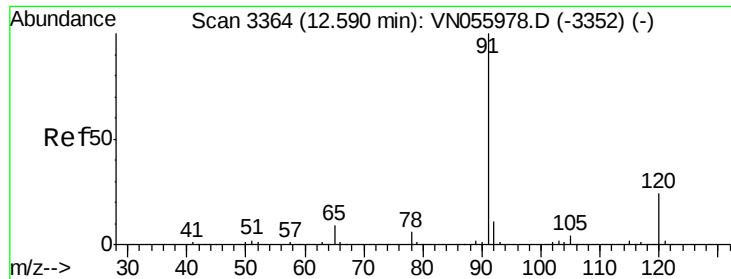
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

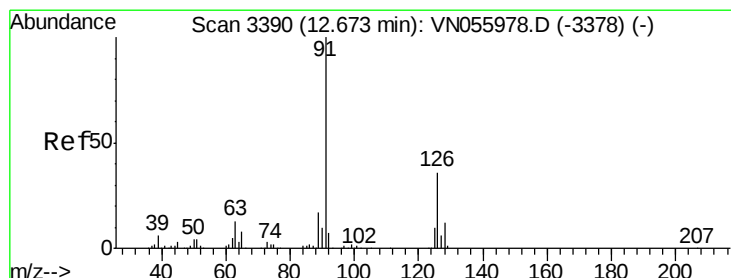
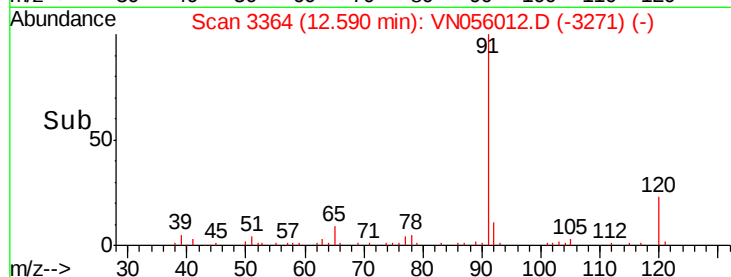
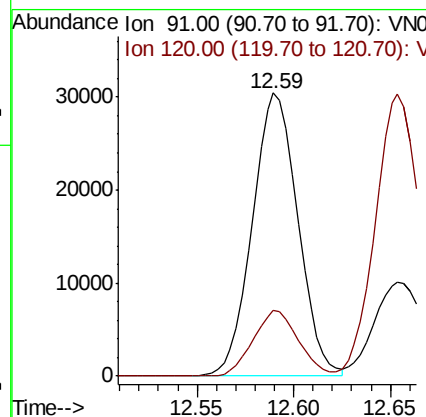
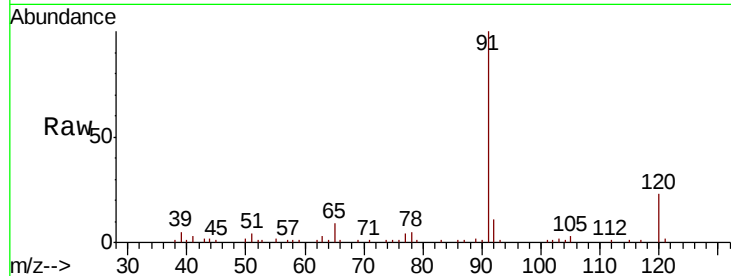




#78
n-propylbenzene
Concen: 2.952 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

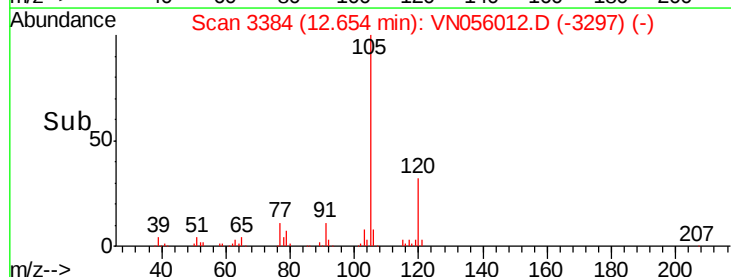
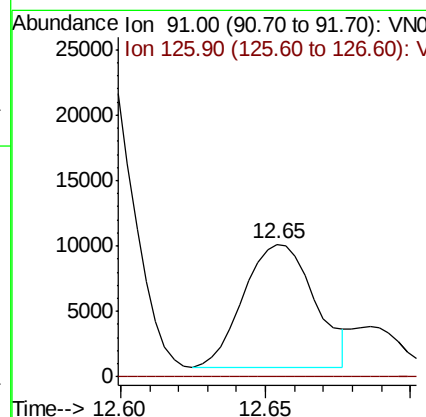
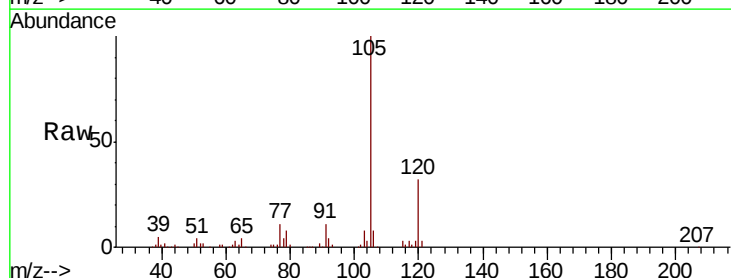
Instrument :
MSVOA_N
ClientSampleId :

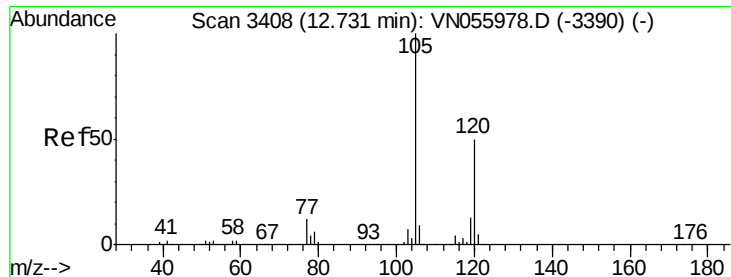
Tot Ion: 91 Resp: 49714
Ion Ratio Lower Upper
91 100
120 23.3 12.0 36.0



#79
2-Chlorotoluene
Concen: Below Cal
RT: 12.65 min Scan# 3384
Delta R.T. -0.02 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Tgt Ion: 91 Resp: 15983
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.4#





#80

1,3,5-Trimethylbenzene

Concen: 4.074 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :

MSVOA_N

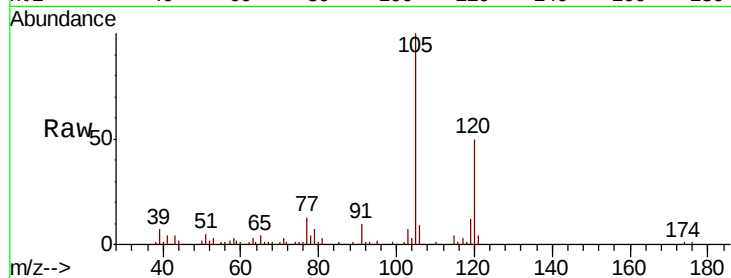
ClientSampled :

Tot Ion:105 Resp: 54523

Ion Ratio Lower Upper

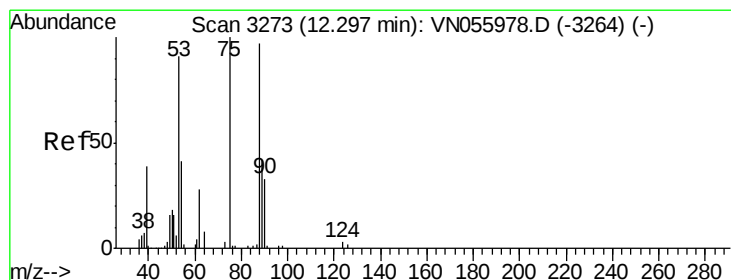
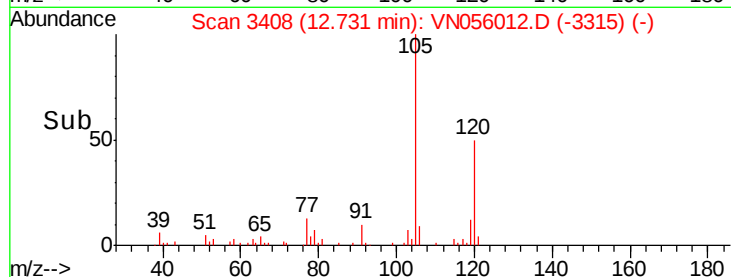
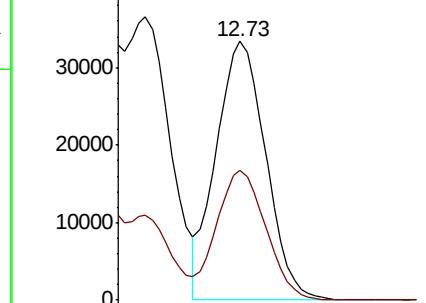
105 100

120 49.8 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 91.916 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

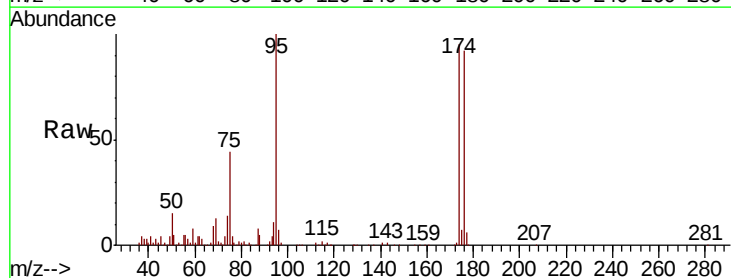
Tgt Ion: 75 Resp: 101092

Ion Ratio Lower Upper

75 100

53 1.6 68.1 102.1#

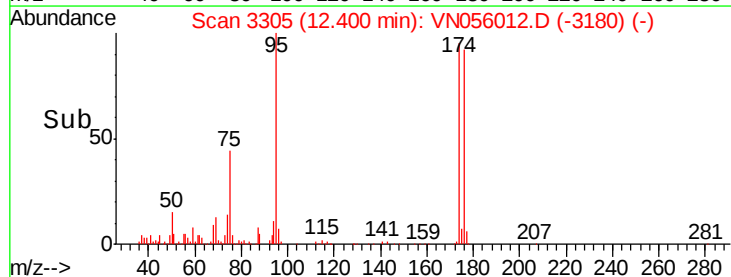
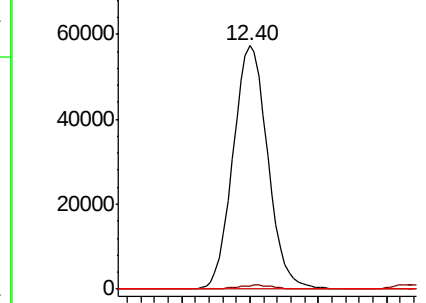
89 0.0 36.9 55.3#

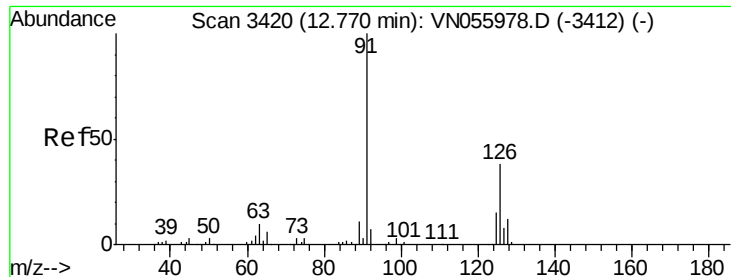


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.485 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :

MSVOA_N

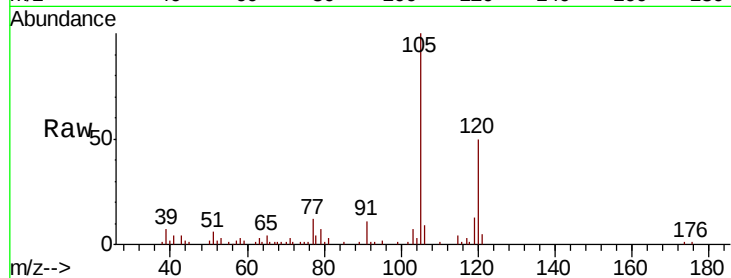
ClientSampleId :

Tot Ion: 91 Resp: 4777

Ion Ratio Lower Upper

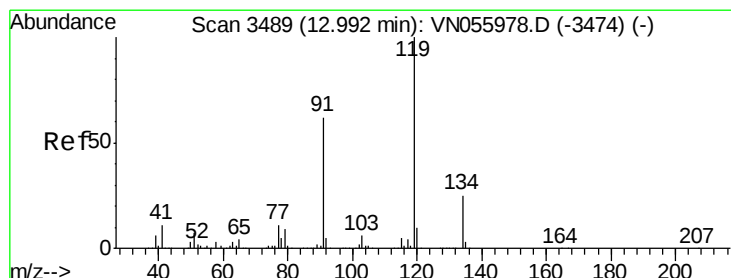
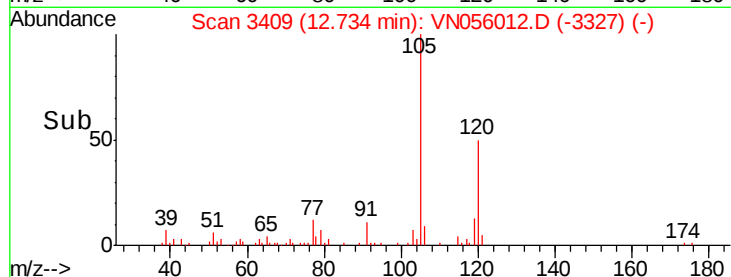
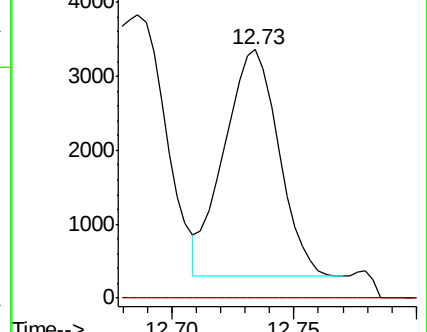
91 100

126 0.0 17.8 53.3#



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3412) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

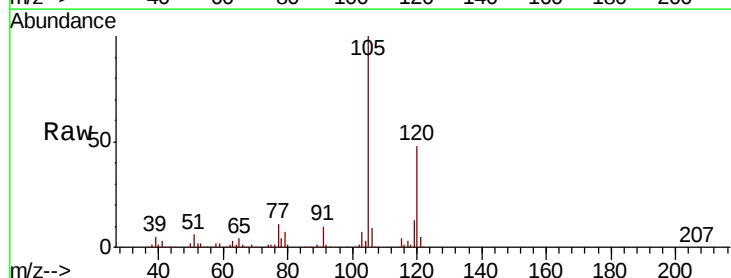
Tgt Ion: 119 Resp: 25257

Ion Ratio Lower Upper

119 100

91 73.8 30.9 92.8

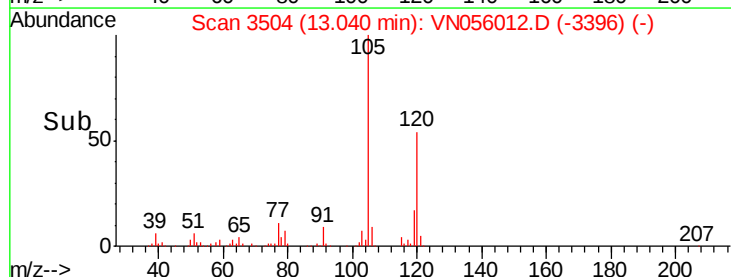
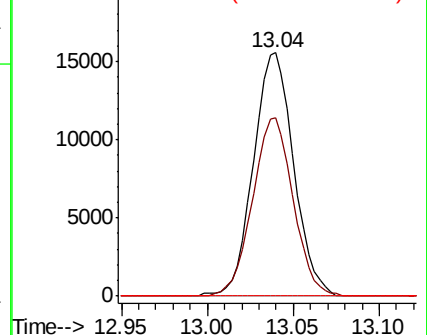
134 0.0 13.3 39.8#

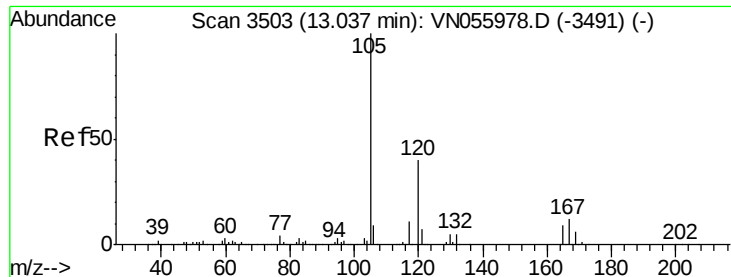


Abundance Ion 119.00 (118.70 to 119.70): VN055978.D (-3474) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3474) (-)

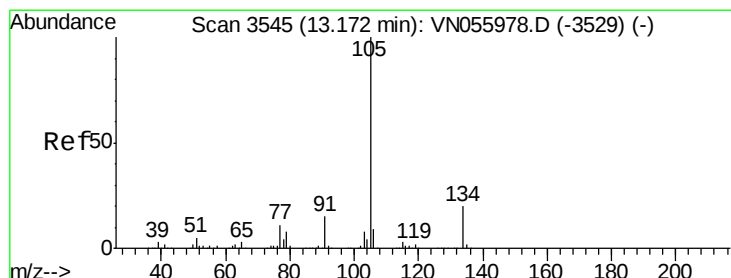
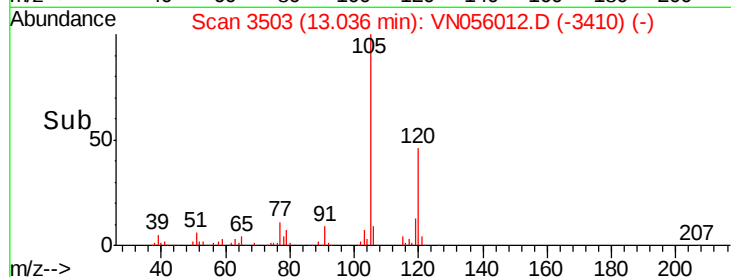
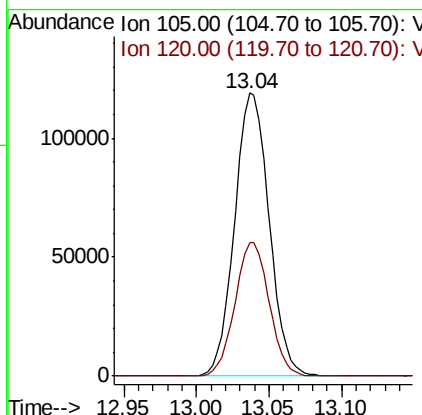
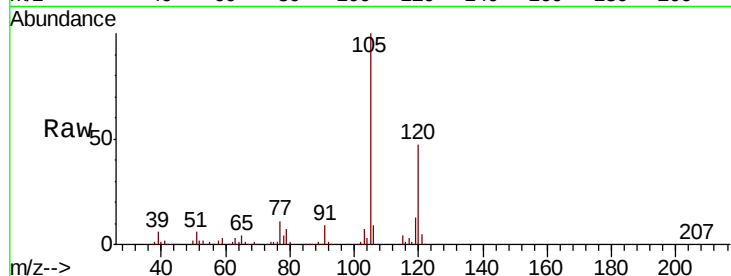




#84
 1,2,4-Trimethylbenzene
 Concen: 15.527 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056012.D
 Acq: 5 Jun 2019 16:48

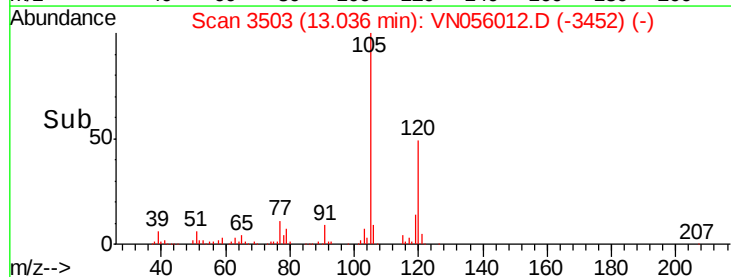
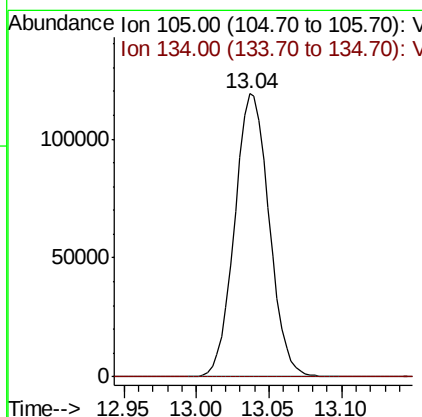
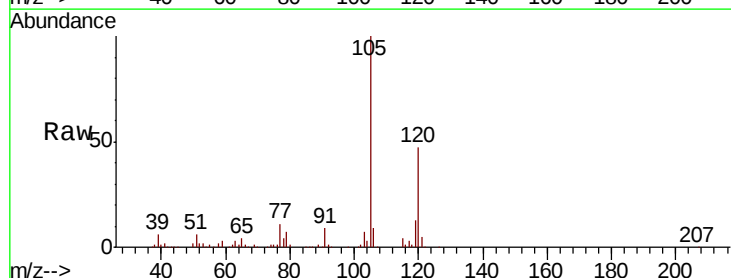
Instrument :
 MSVOA_N
 ClientSampleId :

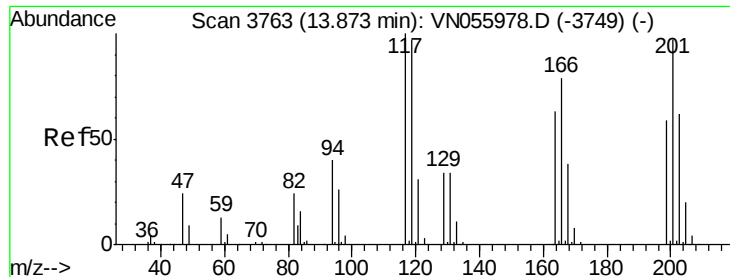
Tot Ion:105 Resp: 197066
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 13.214 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.14 min
 Lab File: VN056012.D
 Acq: 5 Jun 2019 16:48

Tgt Ion:105 Resp: 197066
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#

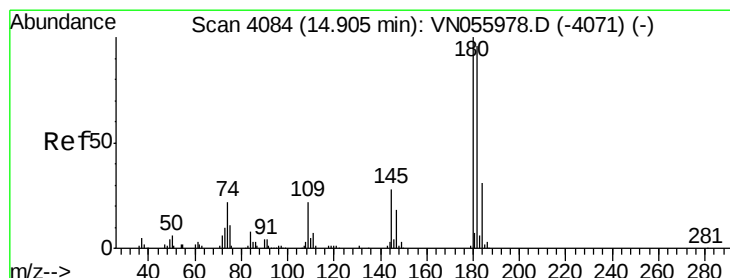
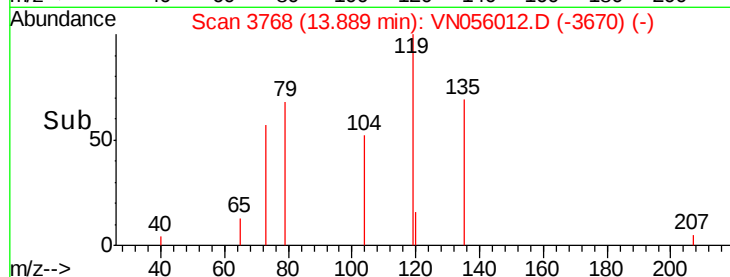
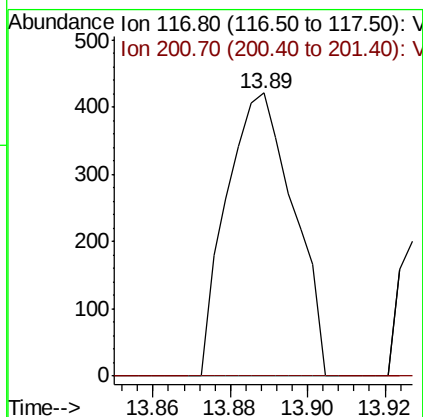
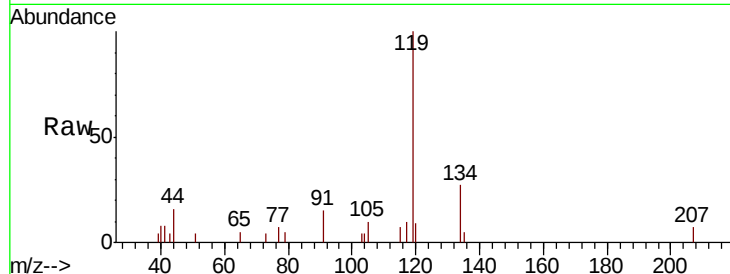




#90
Hexachloroethane
Concen: 0.251 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.02 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

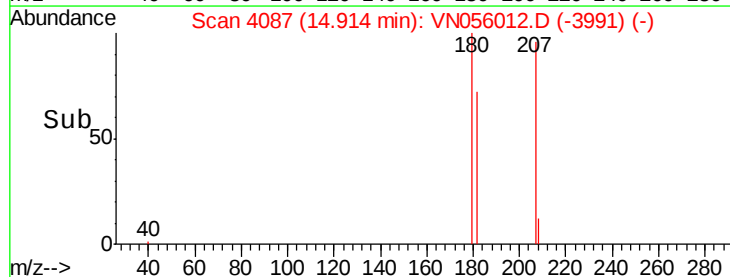
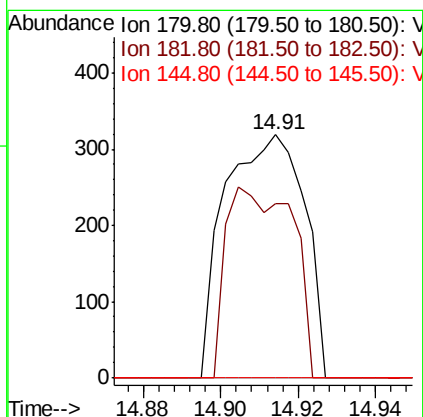
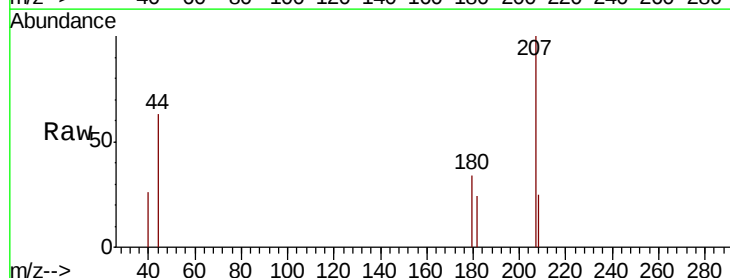
Instrument :
MSVOA_N
ClientSampled :

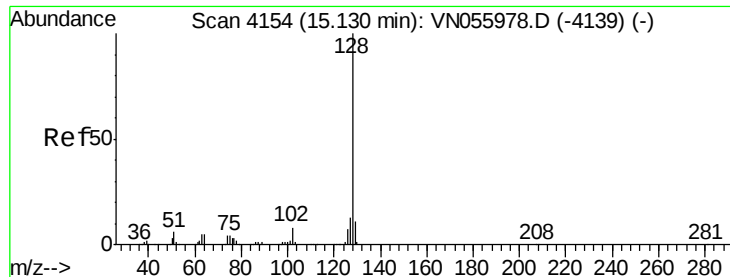
Tot Ion:117 Resp: 505
Ion Ratio Lower Upper
117 100
201 0.0 50.0 150.0#



#93
1,2,4-Trichlorobenzene
Concen: 4.383 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.01 min
Lab File: VN056012.D
Acq: 5 Jun 2019 16:48

Tgt Ion:180 Resp: 456
Ion Ratio Lower Upper
180 100
182 65.6 48.3 144.9
145 0.0 14.0 41.9#





#95

Naphthalene

Concen: 4.761 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

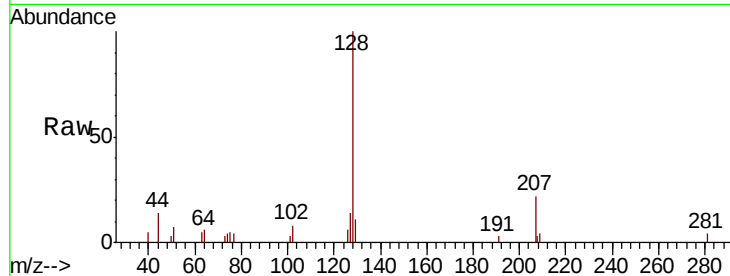
Tot Ion:128 Resp: 9384

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

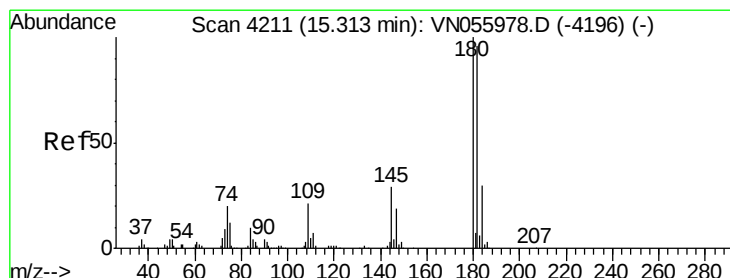
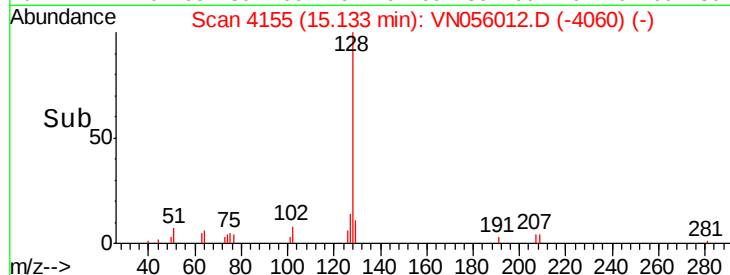
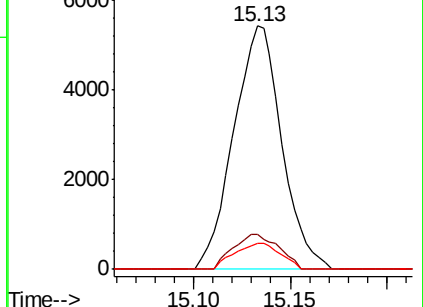
129 10.1 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 3.137 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056012.D

Acq: 5 Jun 2019 16:48

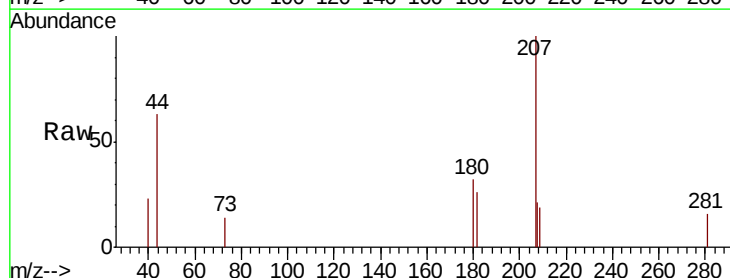
Tgt Ion:180 Resp: 422

Ion Ratio Lower Upper

180 100

182 87.9 47.9 143.7

145 0.0 14.9 44.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

