

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\
 Data File : VN055308.D
 Acq On : 30 Apr 2019 15:11
 Operator : JC/SP
 Sample : K2194-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 01 05:19:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	349660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	612254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174413	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	245154	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
35) Dibromofluoromethane	7.59	113	196987	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
50) Toluene-d8	10.09	98	759461	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.40	95	248612	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	

Target Compounds					Qvalue	
14) Allyl chloride	4.55	41	24903	3.481	ug/l #	27
16) Acetone	3.82	43	18673	13.101	ug/l	99
17) Carbon Disulfide	4.05	76	4224	0.469	ug/l #	74
18) Methyl Acetate	4.33	43	6243	0.778	ug/l #	77
20) Methylene Chloride	4.55	84	490393	112.721	ug/l	98
25) 2-Butanone	6.85	43	2737	1.502	ug/l #	84
29) Tetrahydrofuran	7.21	42	635	0.544	ug/l #	56
30) Chloroform	7.38	83	4886	0.681	ug/l	96
31) Cyclohexane	7.67	56	8108	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	27243	4.645	ug/l #	50
38) Carbon Tetrachloride	7.67	117	32475	5.741	ug/l #	16
41) Methacrylonitrile	7.19	41	29	0.752	ug/l #	33
43) Isopropyl Acetate	8.17	43	17361	2.404	ug/l #	86
48) Methyl methacrylate	9.18	41	8828	2.486	ug/l #	18
51) 4-Methyl-2-Pentanone	9.99	43	6676	1.642	ug/l	99
52) Toluene	10.16	92	3173	0.320	ug/l	95
54) cis-1,3-Dichloropropene	9.90	75	54642	8.634	ug/l #	69
57) 1,3-Dichloropropane	10.76	76	10807	1.672	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.91	63	155	12.510	ug/l #	52
59) 2-Hexanone	10.76	43	173685	68.259	ug/l #	54
67) Ethyl Benzene	11.51	91	40839	2.041	ug/l	99
68) m/p-Xylenes	11.62	106	66011	9.241	ug/l	97
69) o-Xylene	11.95	106	29997	4.237	ug/l	100
70) Styrene	11.96	104	4084	0.376	ug/l #	1
71) Bromoform	12.39	173	518	0.215	ug/l #	29
73) Isopropylbenzene	12.25	105	3597	Below Cal		94
74) N-amyl acetate	12.07	43	1310	0.293	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.50	83	329	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	127788	38.856	ug/l #	100
77) Bromobenzene	12.52	156	312	Below Cal		72
78) n-propylbenzene	12.59	91	12324	0.688	ug/l	95
79) 2-Chlorotoluene	12.77	91	1467	Below Cal		96
80) 1,3,5-Trimethylbenzene	12.73	105	40809	2.985	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	127788	138.847	ug/l #	7

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\
 Data File : VN055308.D
 Acq On : 30 Apr 2019 15:11
 Operator : JC/SP
 Sample : K2194-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 01 05:19:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

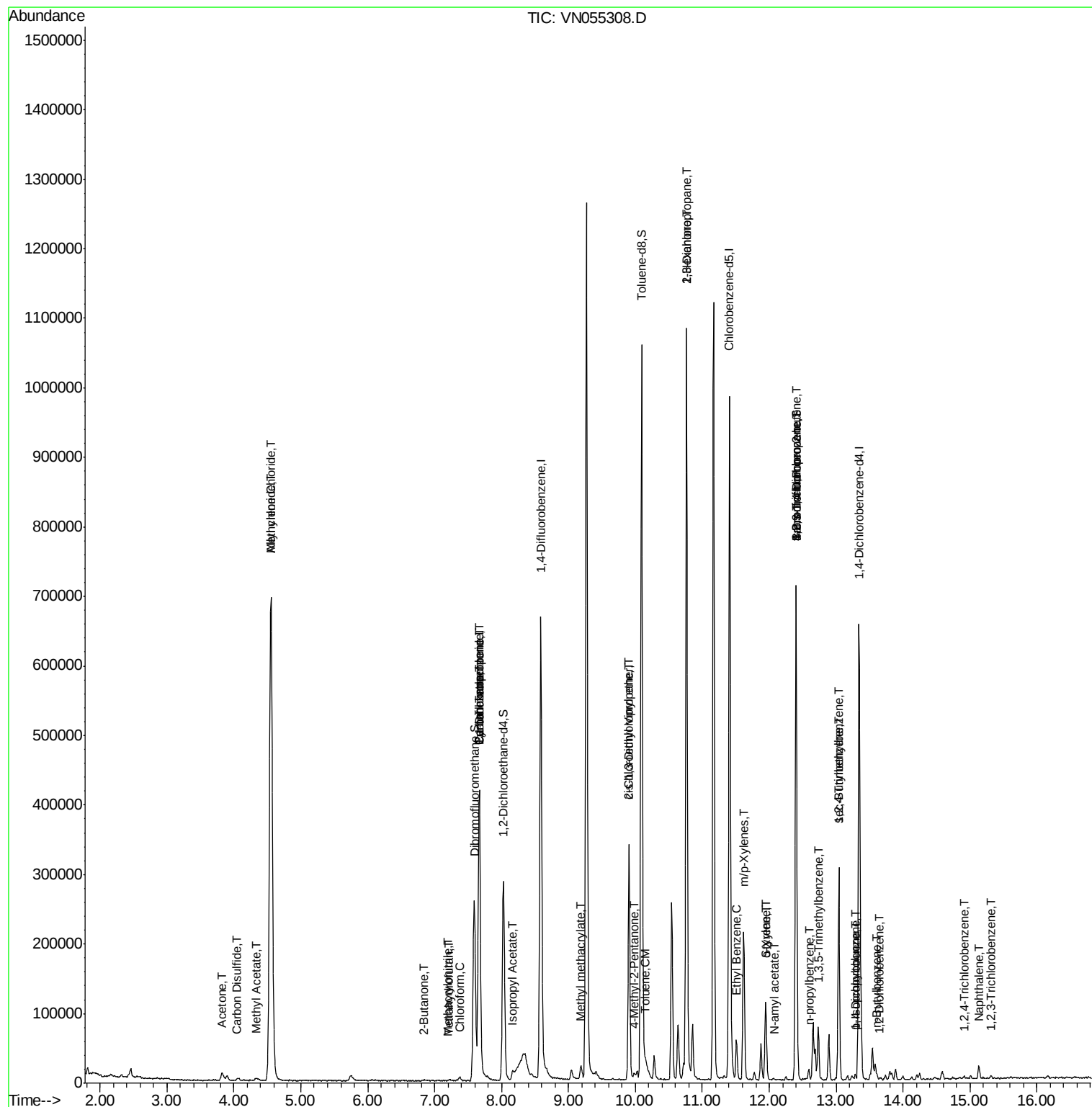
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
83) tert-Butylbenzene	12.99	119	1131	Below Cal #	85
84) 1,2,4-Trimethylbenzene	13.04	105	173475	14.186 ug/l	100
85) sec-Butylbenzene	13.04	105	173475	11.673 ug/l #	58
86) p-Isopropyltoluene	13.29	119	3462	0.283 ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	1115	0.203 ug/l	76
89) n-Butylbenzene	13.61	91	4014	0.462 ug/l #	80
90) Hexachloroethane	13.89	117	909	Below Cal #	7
91) 1,2-Dichlorobenzene	13.65	146	1199	0.207 ug/l	84
93) 1,2,4-Trichlorobenzene	14.91	180	1371	3.872 ug/l	88
94) Hexachlorobutadiene	15.01	225	776	Below Cal	87
95) Naphthalene	15.13	128	16792	6.561 ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	1767	3.358 ug/l	84

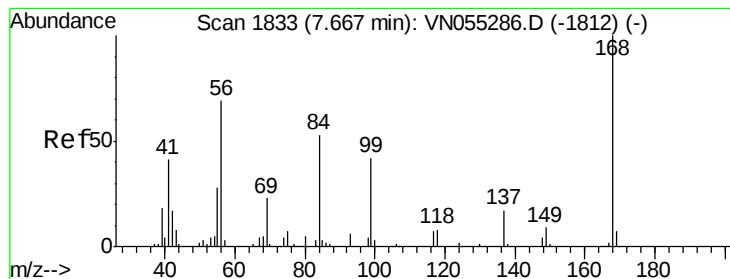
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\
Data File : VN055308.D
Acq On : 30 Apr 2019 15:11
Operator : JC/SP
Sample : K2194-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 01 05:19:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
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: VN055308.D

Acq: 30 Apr 2019 15:11

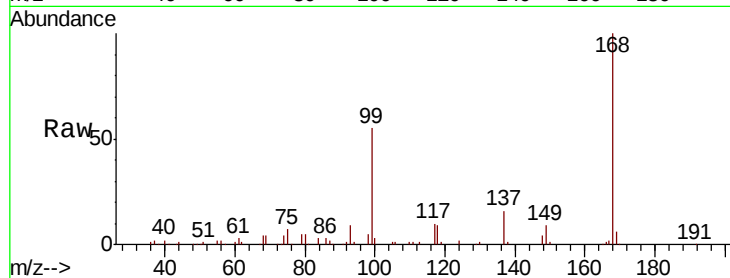
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 349660

Ion Ratio Lower Upper

168 100

99 55.5 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

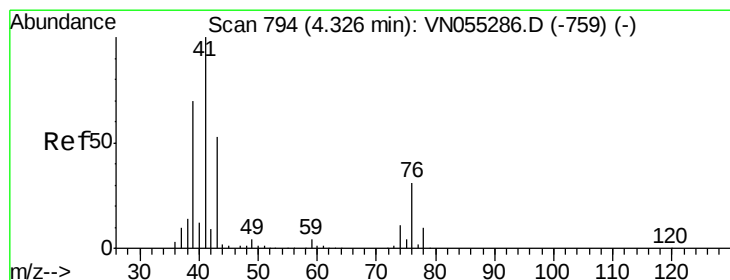
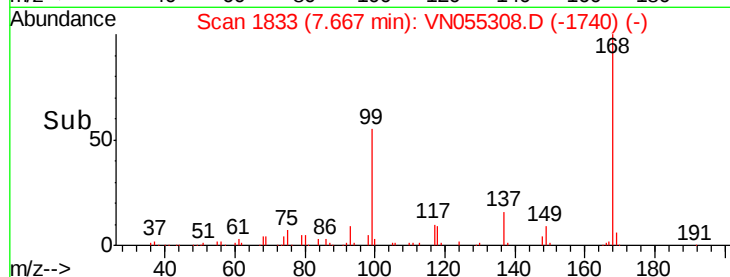
100000

50000

0

Time-->

7.60 7.70 7.80



#14

Allyl chloride

Concen: 3.481 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.22 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

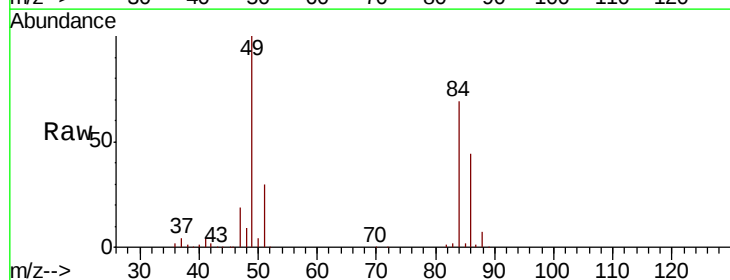
Tgt Ion: 41 Resp: 24903

Ion Ratio Lower Upper

41 100

39 1.0 53.0 79.6#

76 0.0 22.7 34.1#



Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

4.55

10000

8000

6000

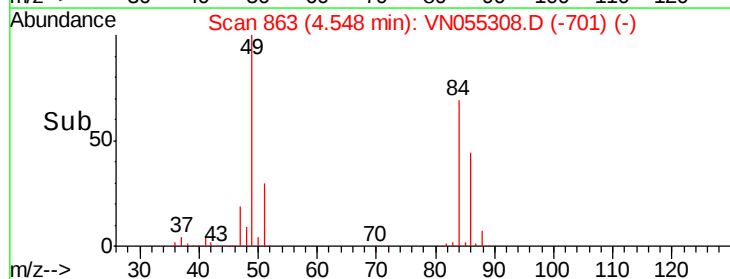
4000

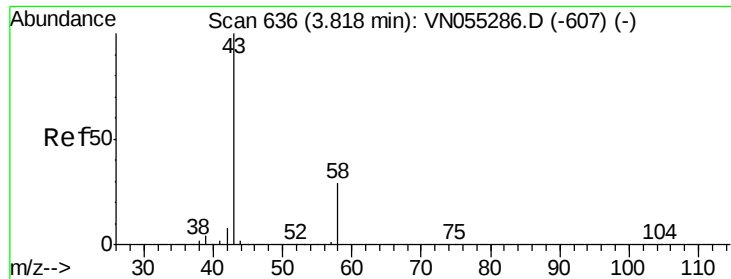
2000

0

Time-->

4.45 4.50 4.55 4.60 4.65





#16

Acetone

Concen: 13.101 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Instrument :

MSVOA_N

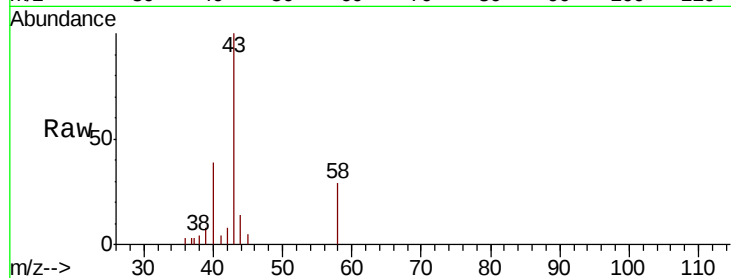
ClientSampleId :

Tot Ion: 43 Resp: 18673

Ion Ratio Lower Upper

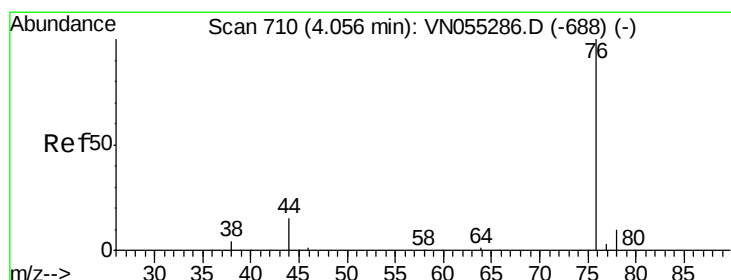
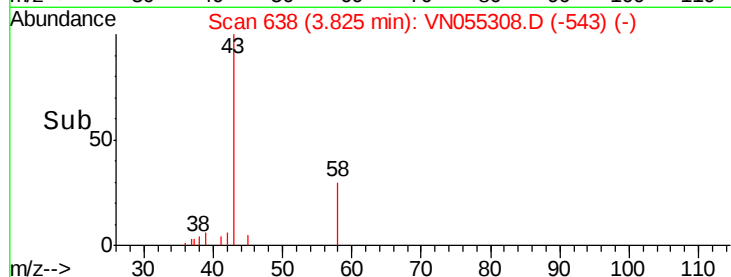
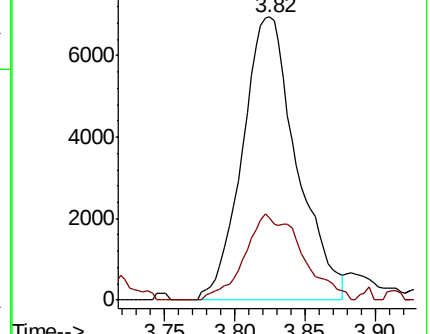
43 100

58 29.0 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.469 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN055308.D

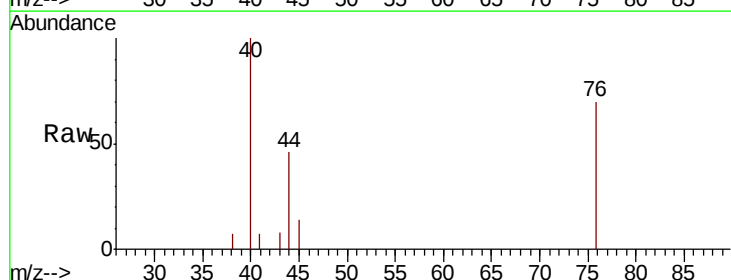
Acq: 30 Apr 2019 15:11

Tgt Ion: 76 Resp: 4224

Ion Ratio Lower Upper

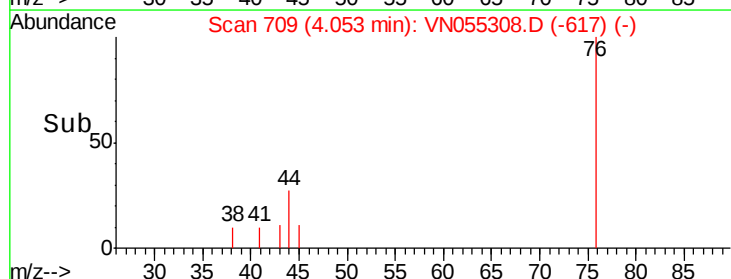
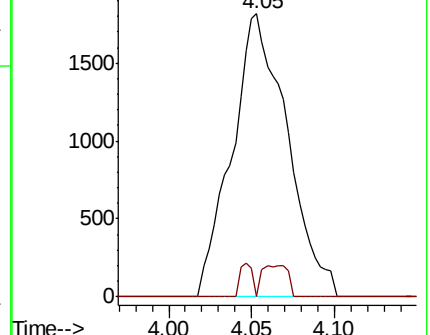
76 100

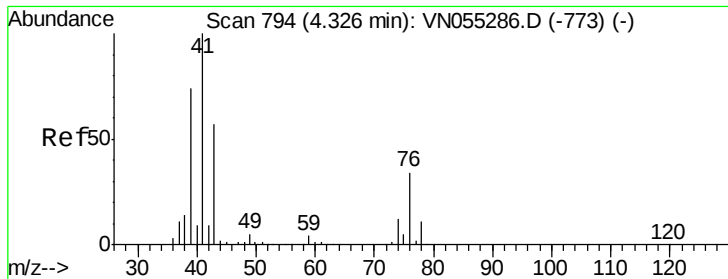
78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

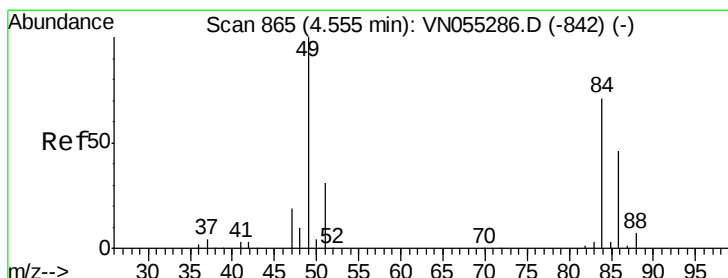
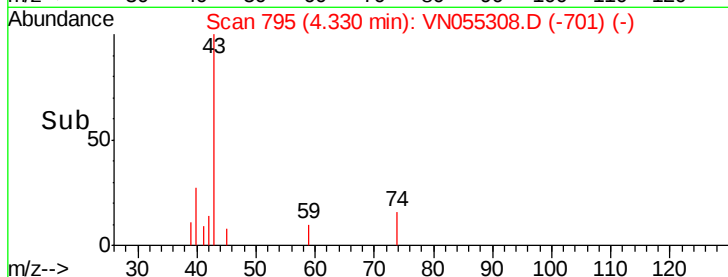
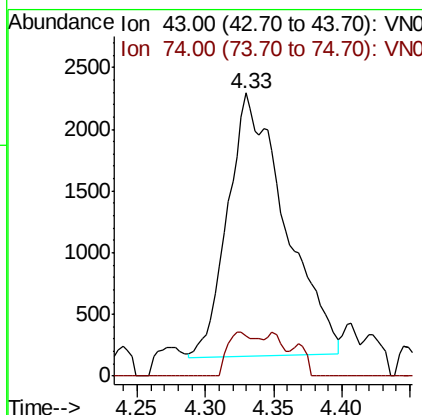
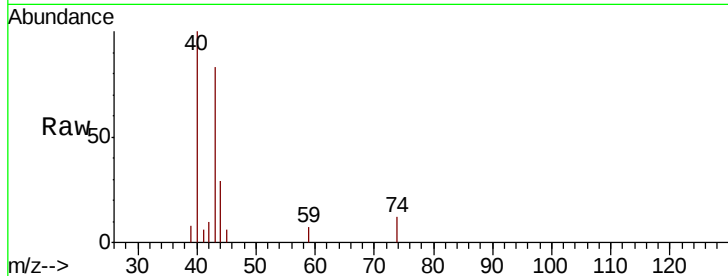




#18
Methyl Acetate
Concen: 0.778 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055308.D
Acq: 30 Apr 2019 15:11

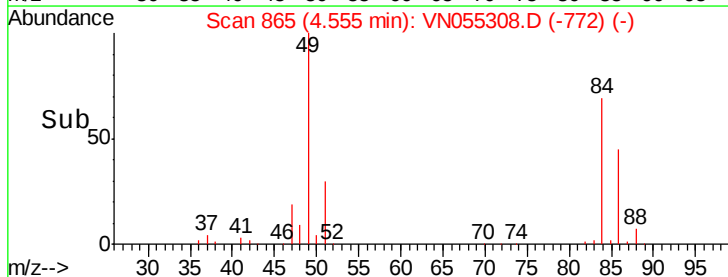
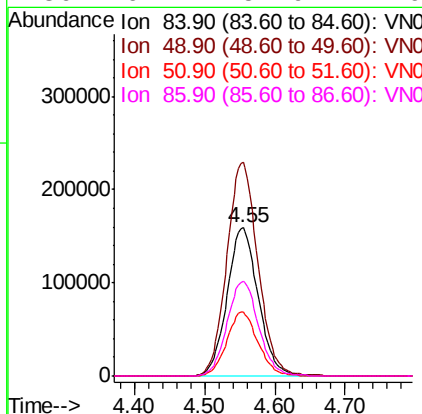
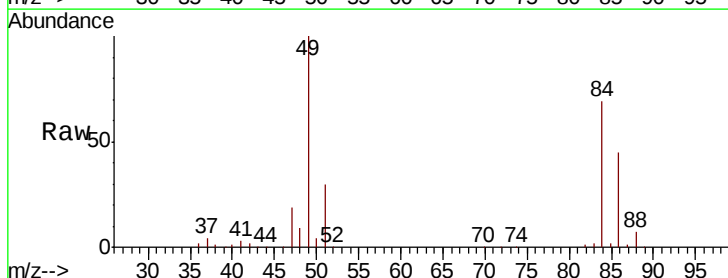
Instrument :
MSVOA_N
ClientSampled :

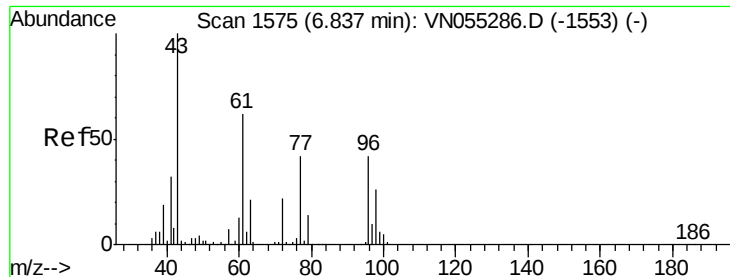
Tot Ion: 43 Resp: 6243
Ion Ratio Lower Upper
43 100
74 9.3 15.8 23.8#



#20
Methylene Chloride
Concen: 112.721 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055308.D
Acq: 30 Apr 2019 15:11

Tgt Ion: 84 Resp: 490393
Ion Ratio Lower Upper
84 100
49 144.2 112.4 168.6
51 42.8 34.6 51.8
86 64.2 51.9 77.9





#25

2-Butanone

Concen: 1.502 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Instrument :

MSVOA_N

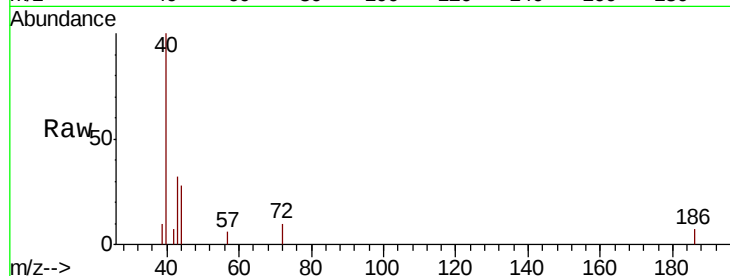
ClientSampled :

Tot Ion: 43 Resp: 2737

Ion Ratio Lower Upper

43 100

72 30.2 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

800

600

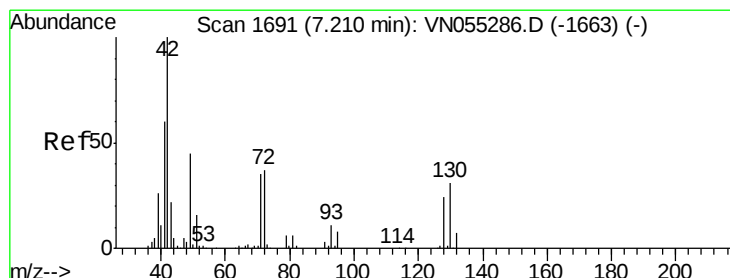
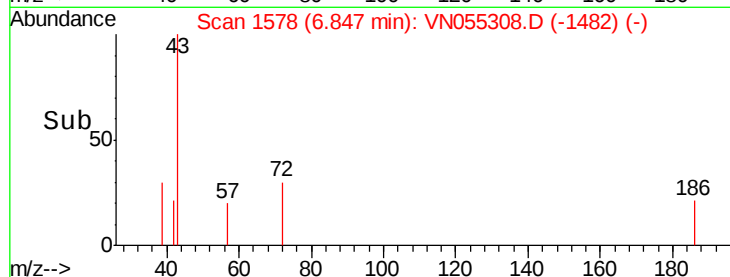
400

200

0

6.80 6.85 6.90 6.95

Time-->



#29

Tetrahydrofuran

Concen: 0.544 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

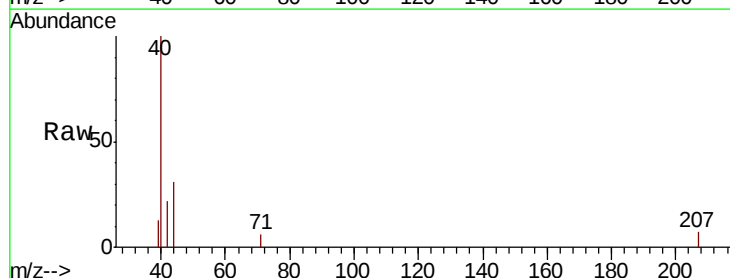
Tgt Ion: 42 Resp: 635

Ion Ratio Lower Upper

42 100

72 0.0 29.0 43.6#

71 19.4 27.1 40.7#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

1000

800

600

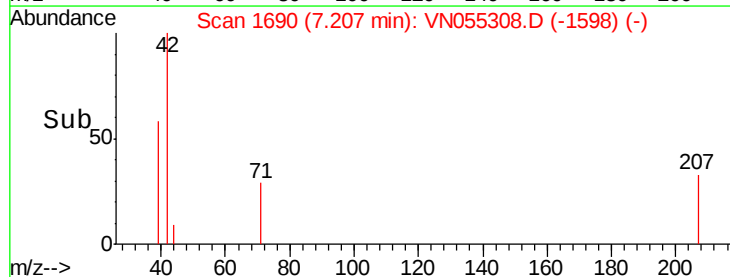
400

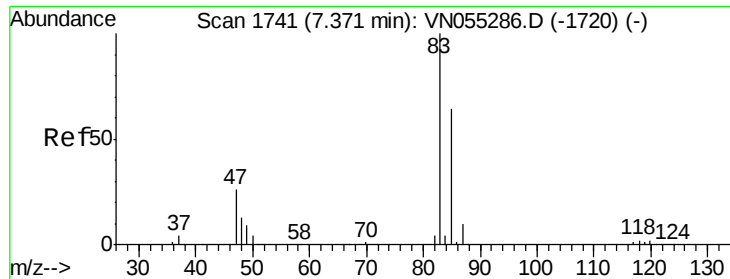
200

0

7.18 7.20 7.22

Time-->

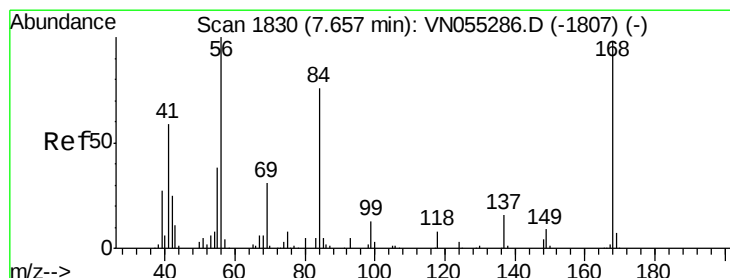
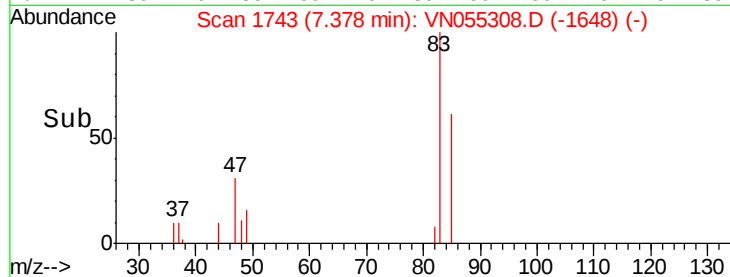
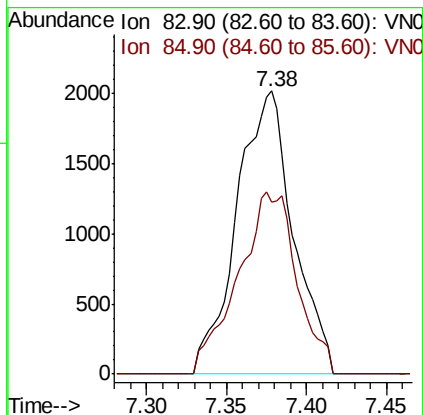
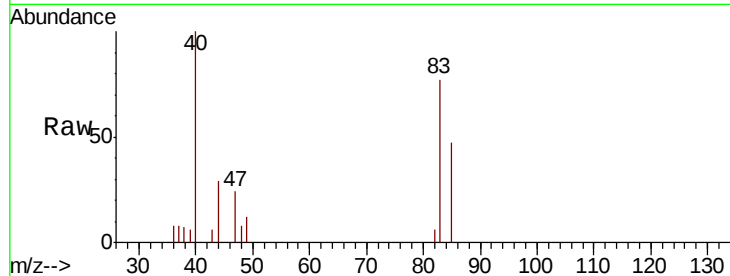




#30
Chloroform
Concen: 0.681 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN055308.D
Acq: 30 Apr 2019 15:11

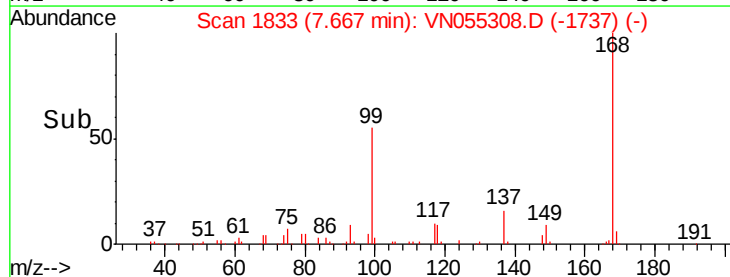
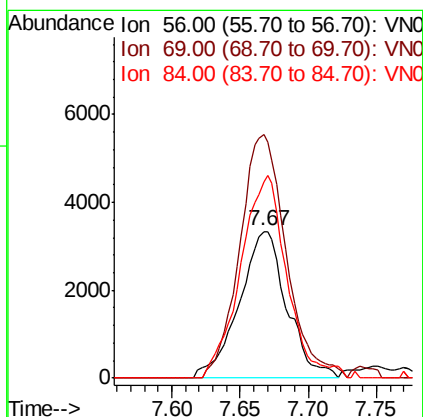
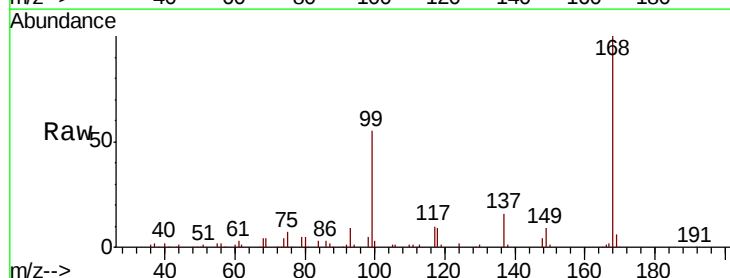
Instrument :
MSVOA_N
ClientSampleId :

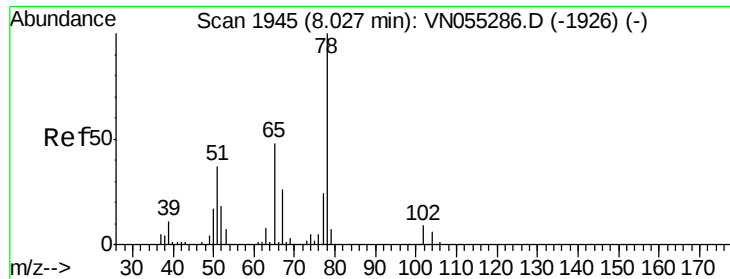
Tot Ion: 83 Resp: 4886
Ion Ratio Lower Upper
83 100
85 60.9 51.4 77.2



#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055308.D
Acq: 30 Apr 2019 15:11

Tgt Ion: 56 Resp: 8108
Ion Ratio Lower Upper
56 100
69 166.1 25.2 37.8#
84 133.5 61.1 91.7#

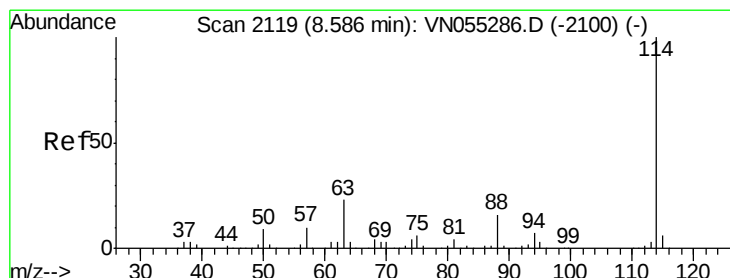
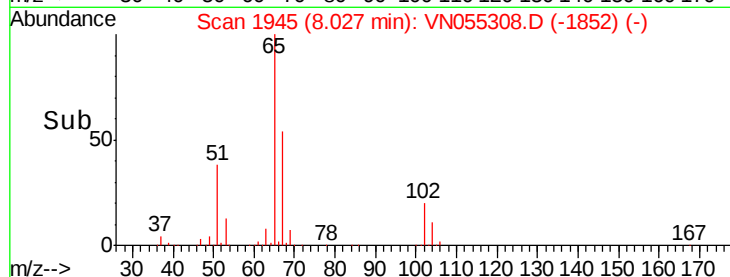
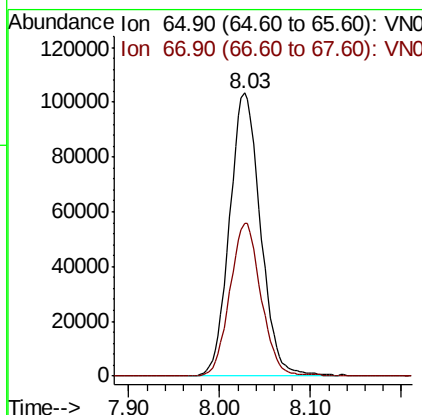
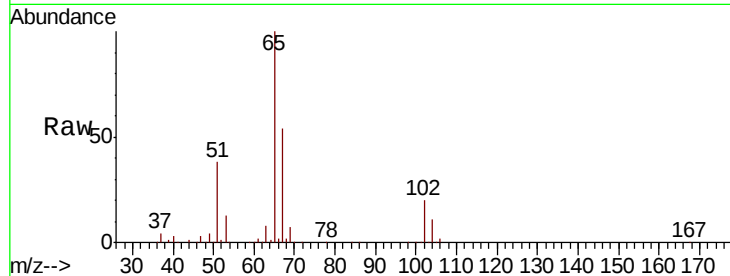




#33
 1,2-Dichloroethane-d4
 Concen: 53.593 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055308.D
 Acq: 30 Apr 2019 15:11

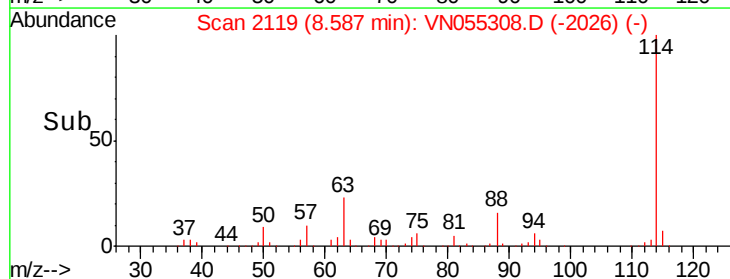
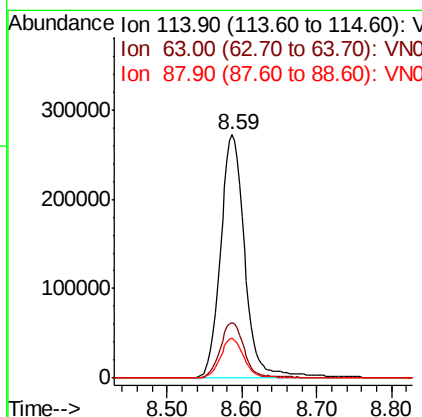
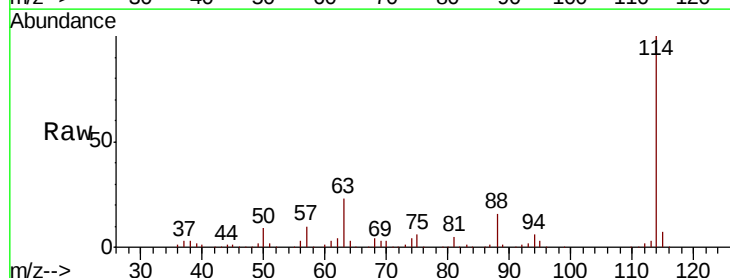
Instrument :
 MSVOA_N
 ClientSampleId :

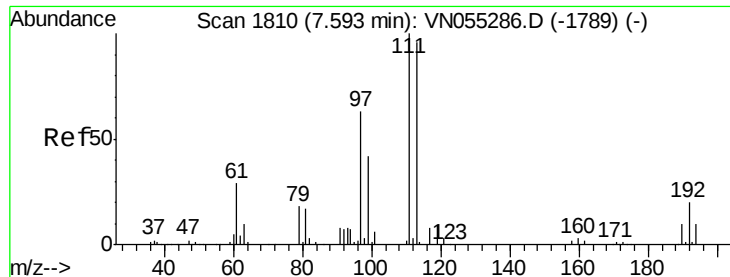
Tot Ion: 65 Resp: 245154
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055308.D
 Acq: 30 Apr 2019 15:11

Tgt Ion: 114 Resp: 612254
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.2
 88 16.3 0.0 31.6

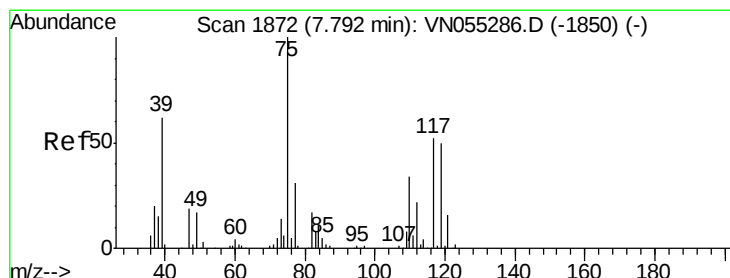
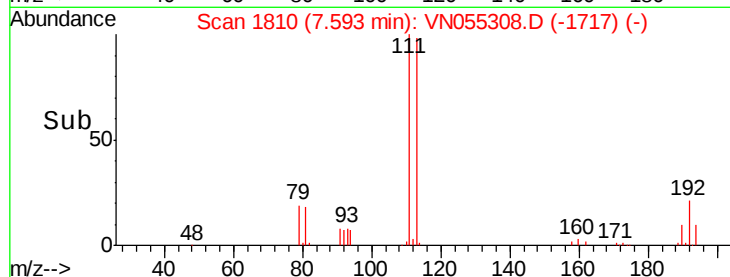
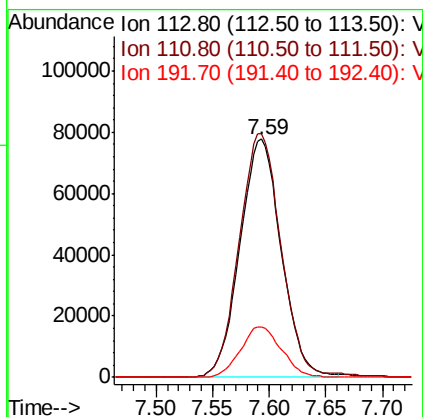
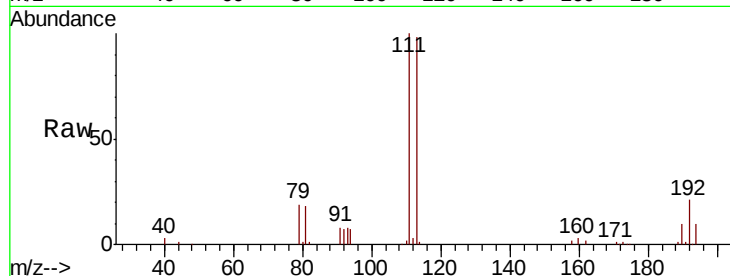




#35
 Dibromofluoromethane
 Concen: 49.018 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055308.D
 Acq: 30 Apr 2019 15:11

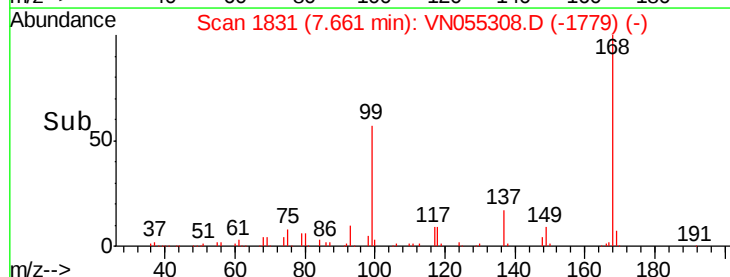
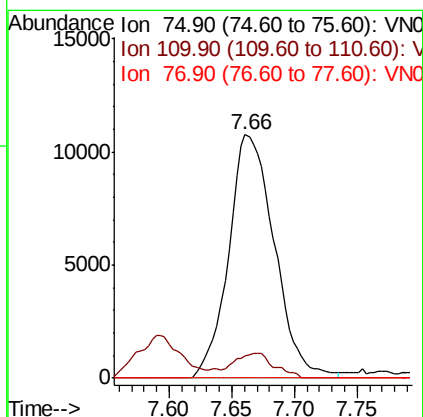
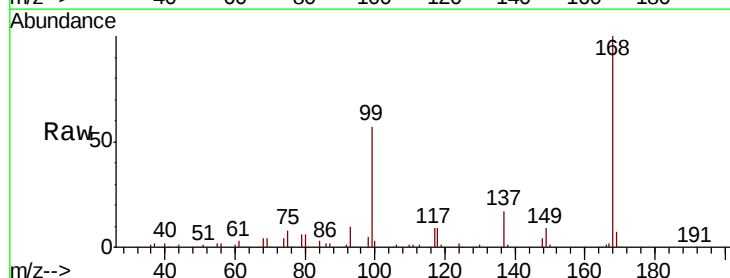
Instrument :
 MSVOA_N
 ClientSampleId :

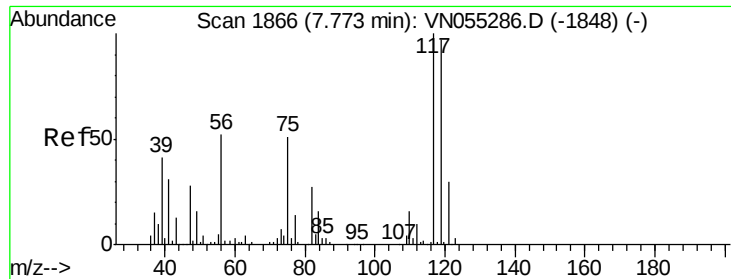
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.3	123.5
192	21.2	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.645 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN055308.D
 Acq: 30 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.8	50.4#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.741 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

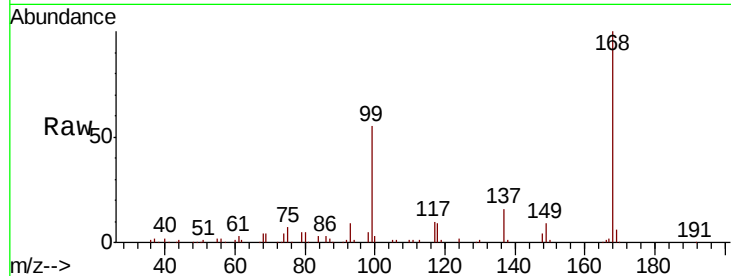
Tot Ion:117 Resp: 32475

Ion Ratio Lower Upper

117 100

119 5.4 77.0 115.6#

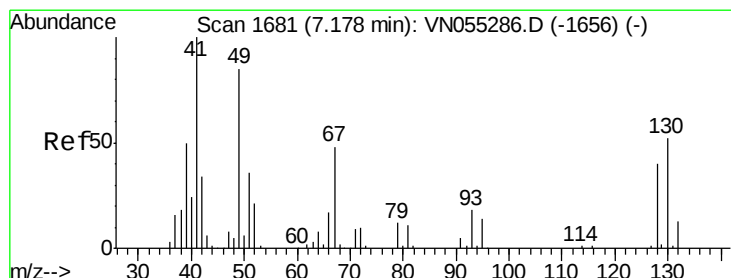
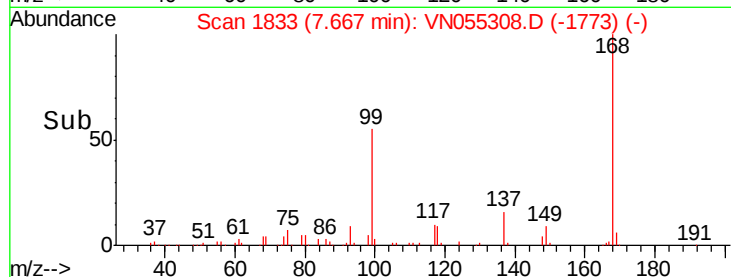
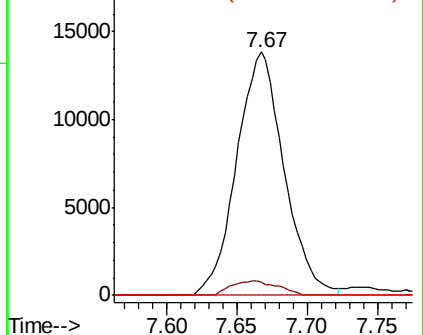
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 0.752 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Tgt Ion: 41 Resp: 29

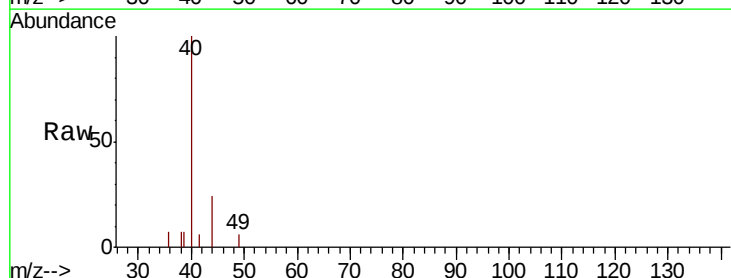
Ion Ratio Lower Upper

41 100

39 100.0 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#

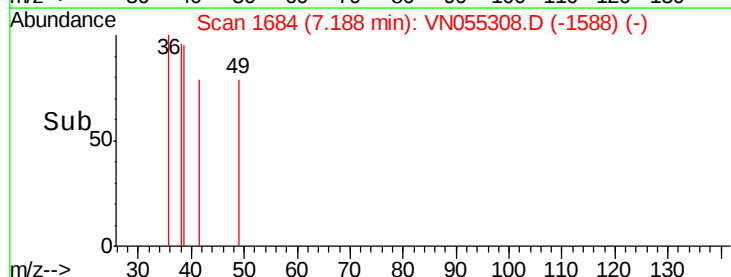
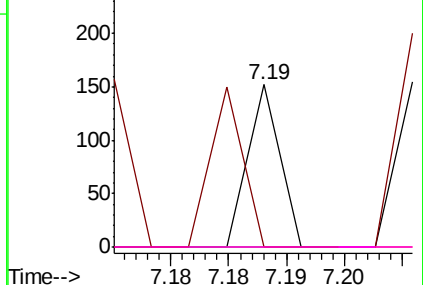


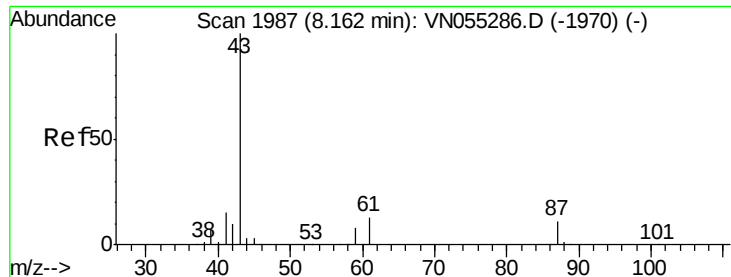
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 2.404 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

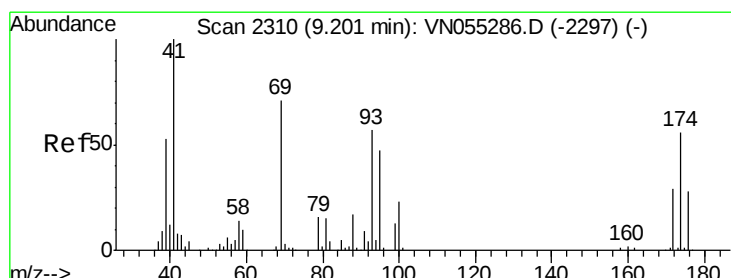
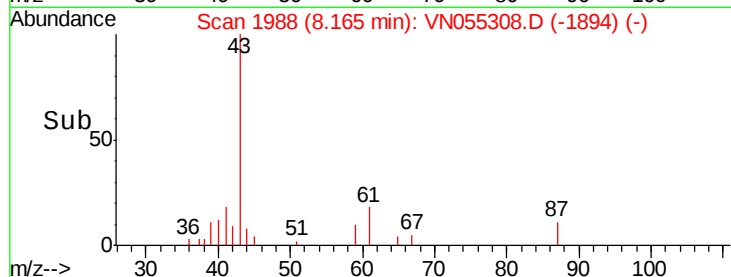
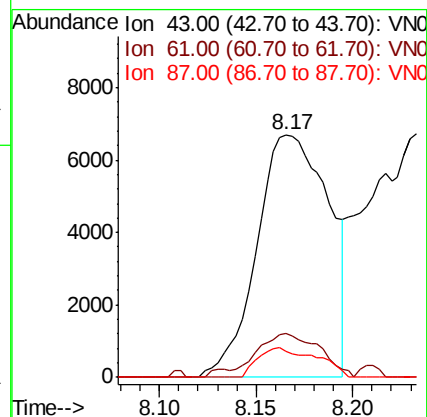
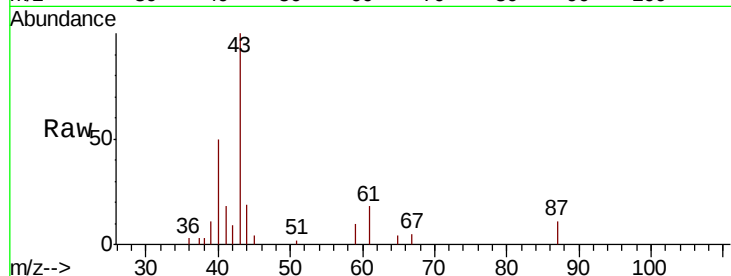
Tot Ion: 43 Resp: 17361

Ion Ratio Lower Upper

43 100

61 16.4 20.8 31.2#

87 10.0 8.5 12.7



#48

Methyl methacrylate

Concen: 2.486 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

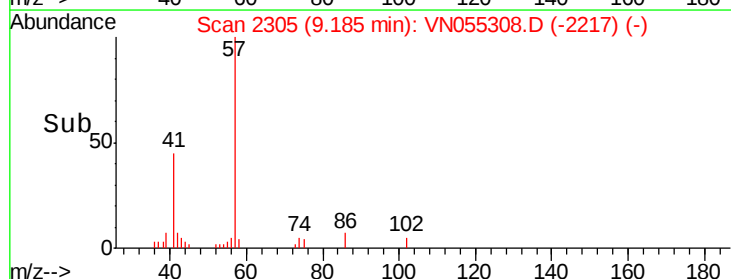
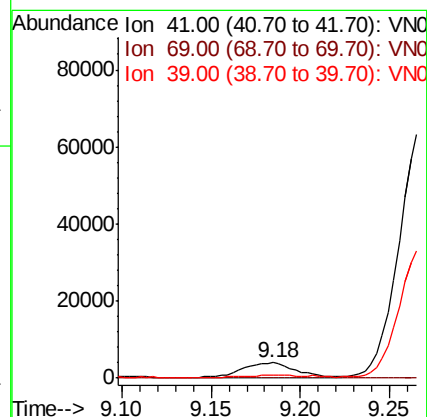
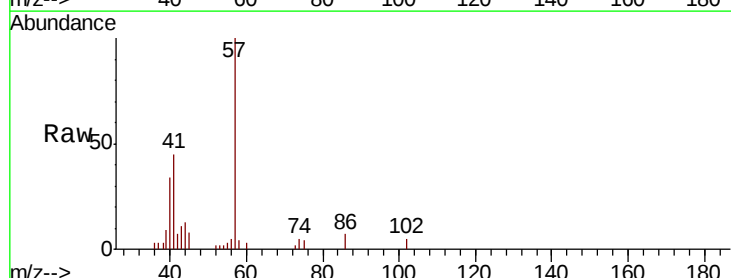
Tgt Ion: 41 Resp: 8828

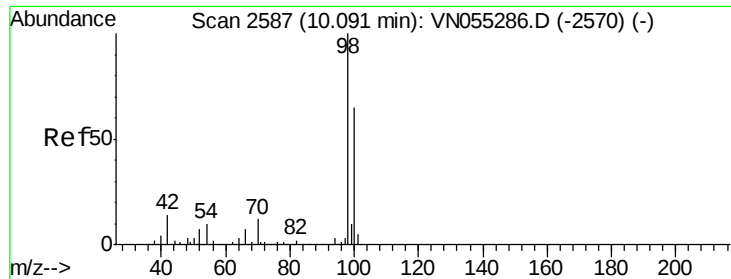
Ion Ratio Lower Upper

41 100

69 0.0 58.6 87.8#

39 0.0 43.8 65.6#





#50

Toluene-d8

Concen: 52.338 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Instrument :

MSVOA_N

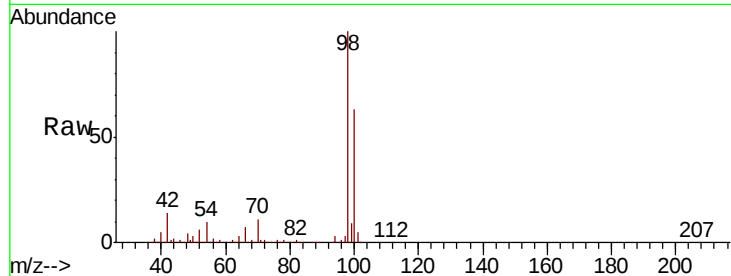
ClientSampled :

Tot Ion: 98 Resp: 759461

Ion Ratio Lower Upper

98 100

100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055286.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055286.D (-2570) (-)

10.09

400000

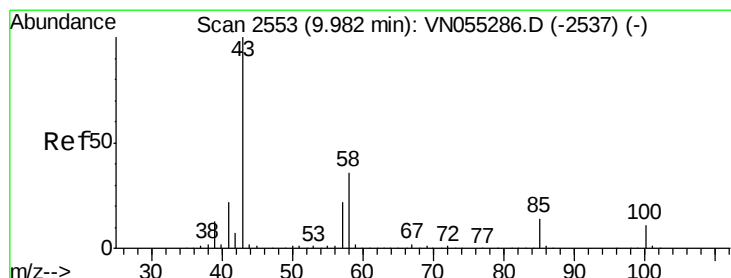
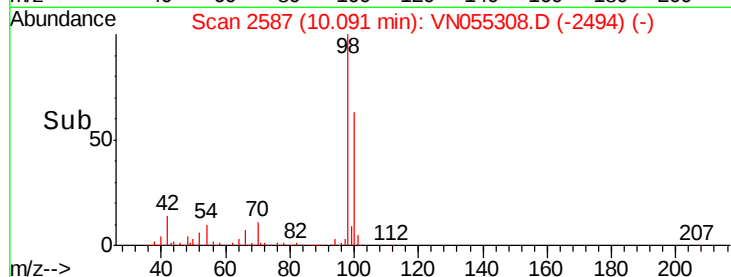
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.642 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055308.D

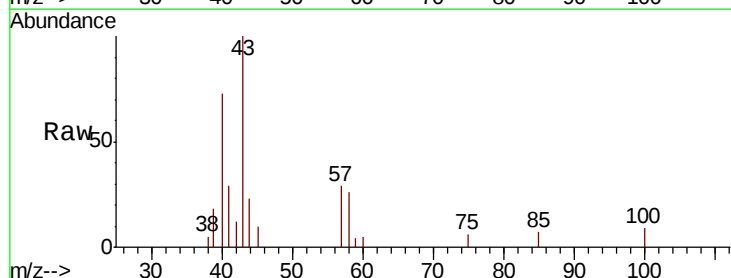
Acq: 30 Apr 2019 15:11

Tgt Ion: 43 Resp: 6676

Ion Ratio Lower Upper

43 100

58 35.2 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-2537) (-)

9.99

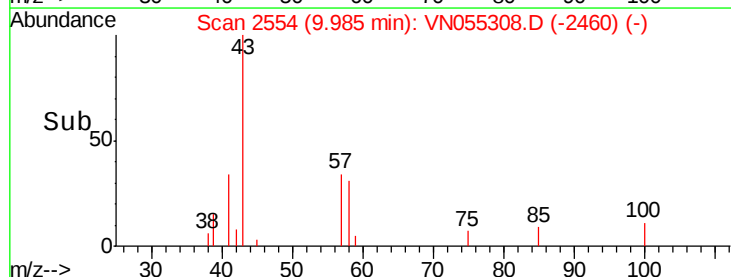
6000

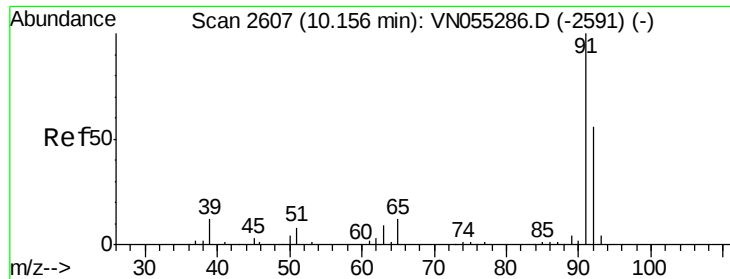
4000

2000

0

Time-->





#52

Toluene

Concen: 0.320 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Instrument :

MSVOA_N

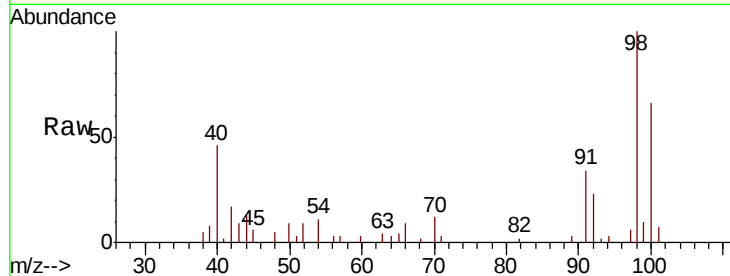
ClientSampled :

Tot Ion: 92 Resp: 3173

Ion Ratio Lower Upper

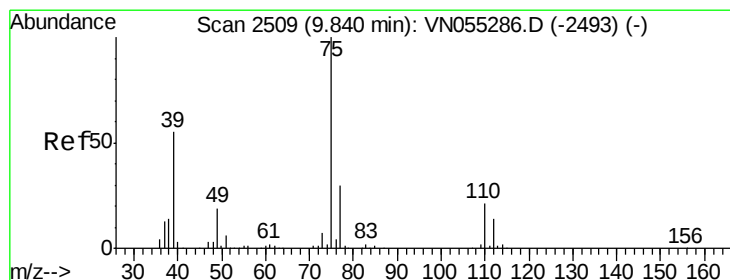
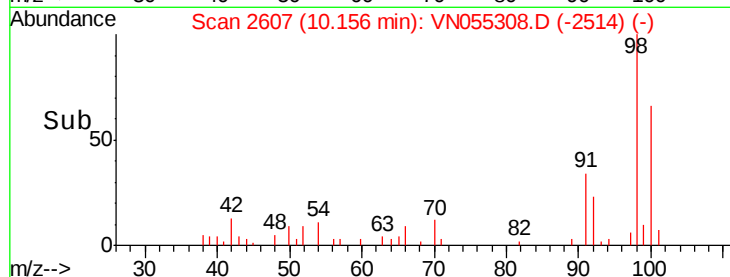
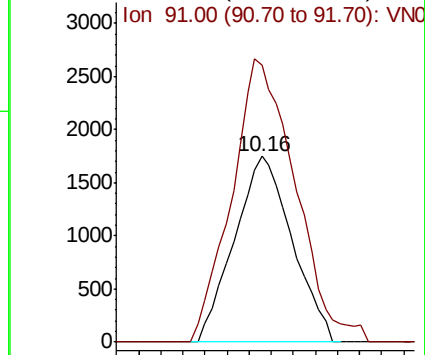
92 100

91 168.2 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 8.634 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

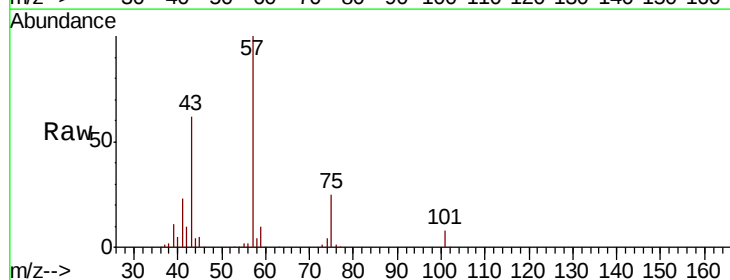
Tgt Ion: 75 Resp: 54642

Ion Ratio Lower Upper

75 100

77 0.7 24.2 36.2#

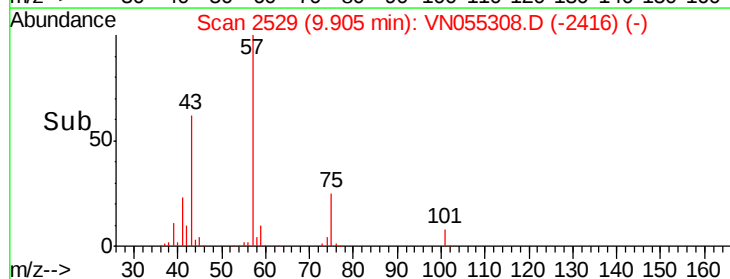
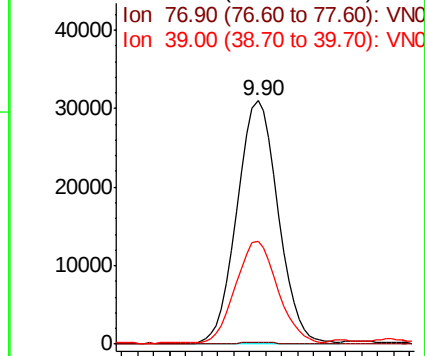
39 41.7 44.2 66.2#

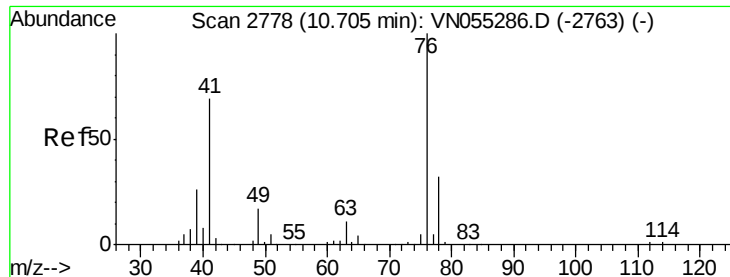


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.672 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Instrument :

MSVOA_N

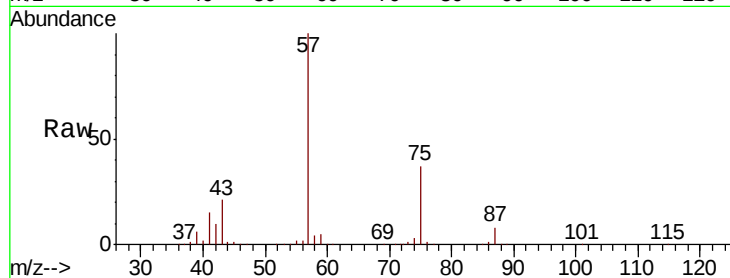
ClientSampleId :

Tot Ion: 76 Resp: 10807

Ion Ratio Lower Upper

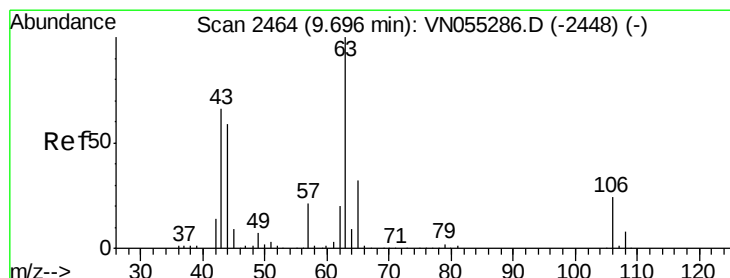
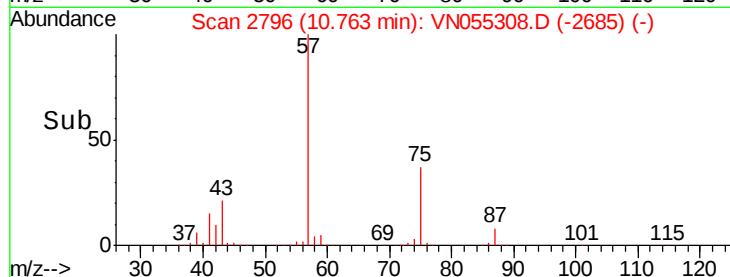
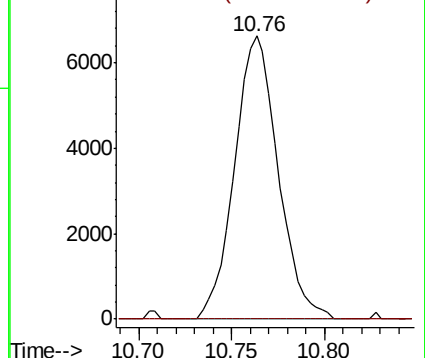
76 100

78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 12.510 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.21 min

Lab File: VN055308.D

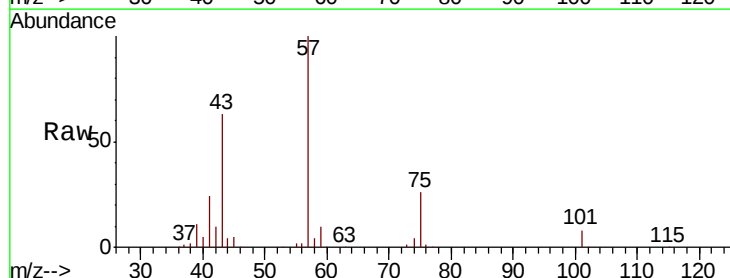
Acq: 30 Apr 2019 15:11

Tgt Ion: 63 Resp: 155

Ion Ratio Lower Upper

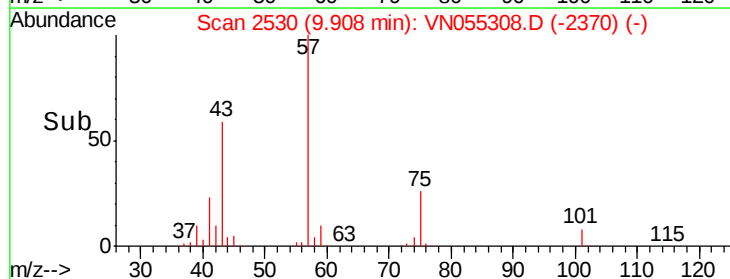
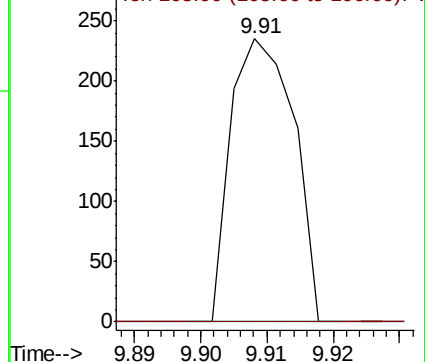
63 100

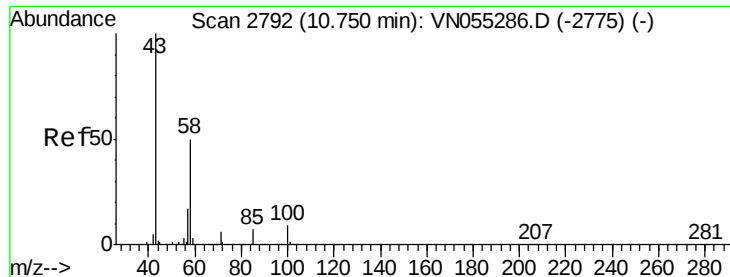
106 0.0 19.0 28.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

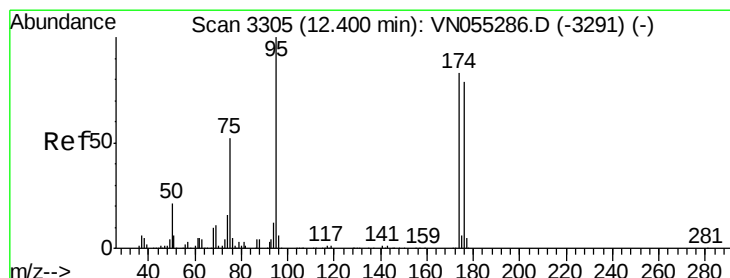
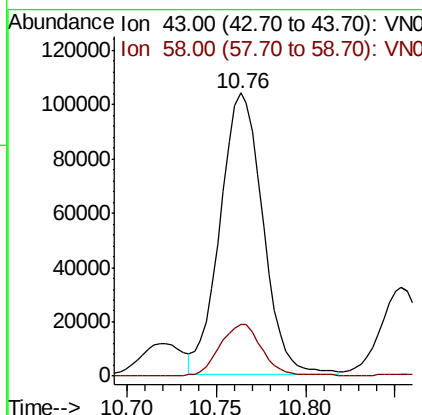
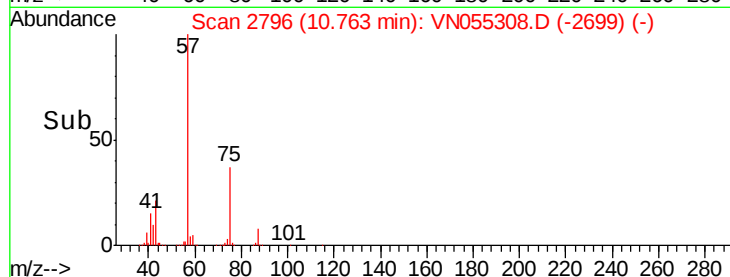
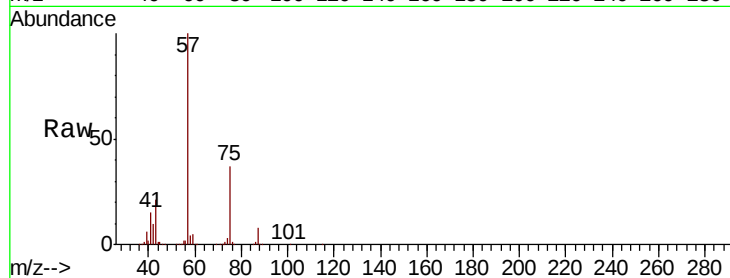




#59
2-Hexanone
Concen: 68.259 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN055308.D
Acq: 30 Apr 2019 15:11

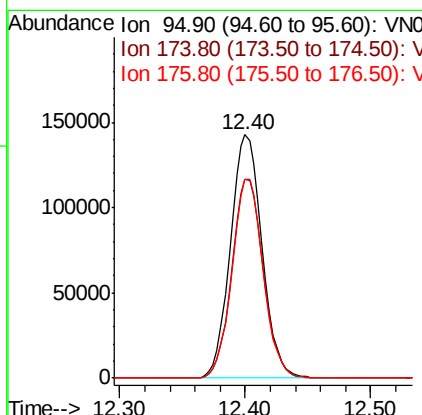
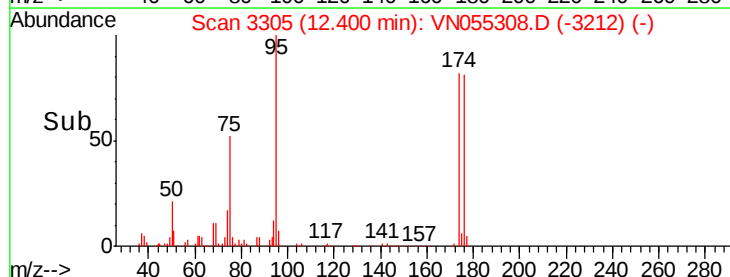
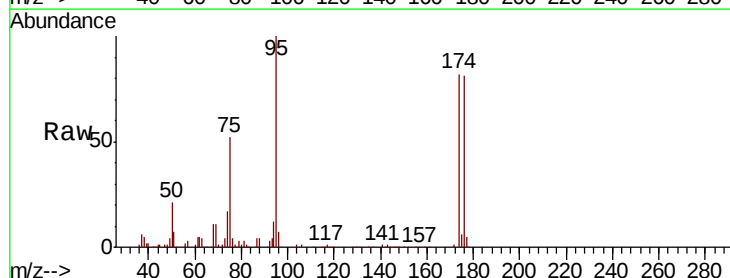
Instrument :
MSVOA_N
ClientSampled :

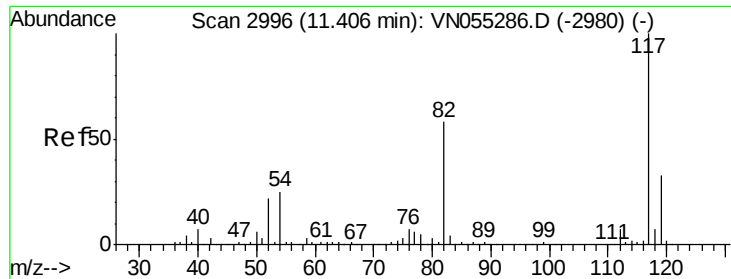
Tot Ion: 43 Resp: 173685
Ion Ratio Lower Upper
43 100
58 18.2 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 54.819 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055308.D
Acq: 30 Apr 2019 15:11

Tgt Ion: 95 Resp: 248612
Ion Ratio Lower Upper
95 100
174 81.9 0.0 166.6
176 80.6 0.0 157.8

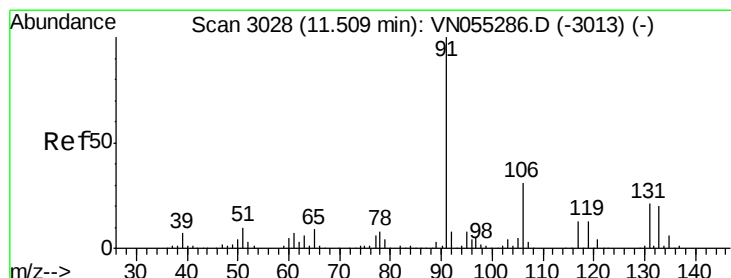
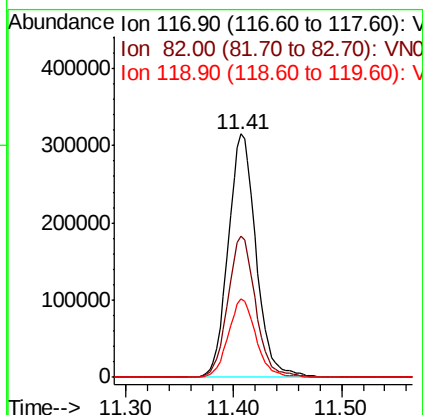
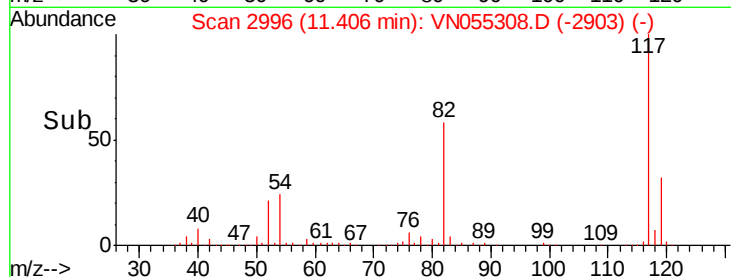
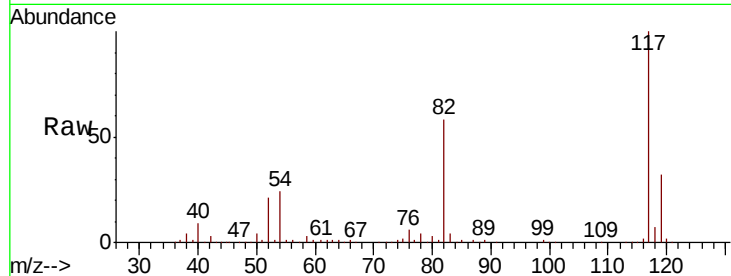




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055308.D
Acq: 30 Apr 2019 15:11

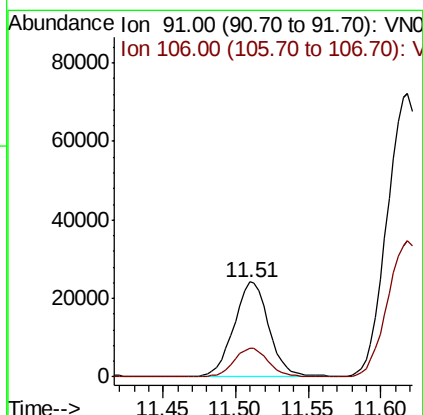
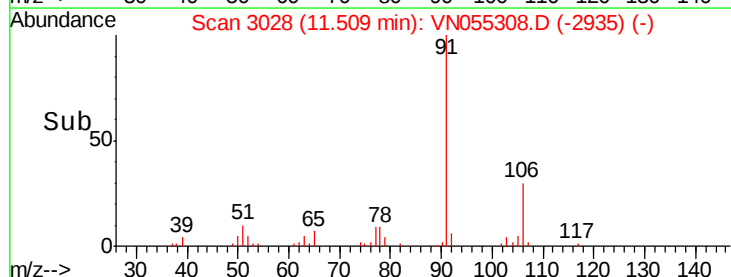
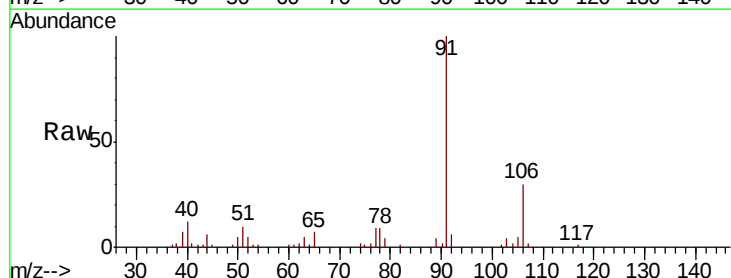
Instrument :
MSVOA_N
ClientSampled :

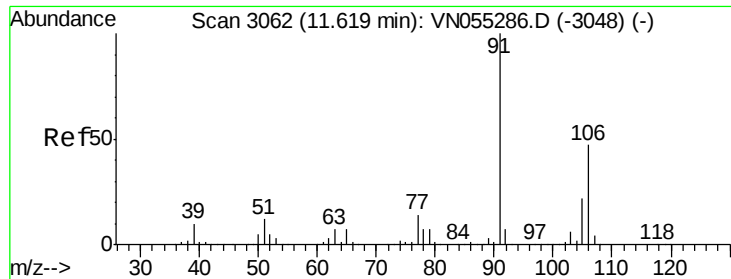
Tot Ion:117 Resp: 566809
Ion Ratio Lower Upper
117 100
82 58.1 46.2 69.4
119 32.0 26.6 40.0



#67
Ethyl Benzene
Concen: 2.041 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055308.D
Acq: 30 Apr 2019 15:11

Tgt Ion: 91 Resp: 40839
Ion Ratio Lower Upper
91 100
106 30.2 24.6 36.8

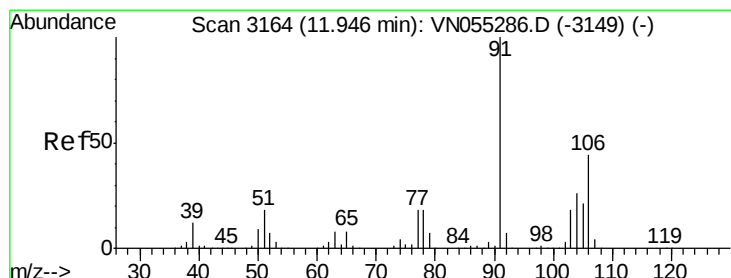
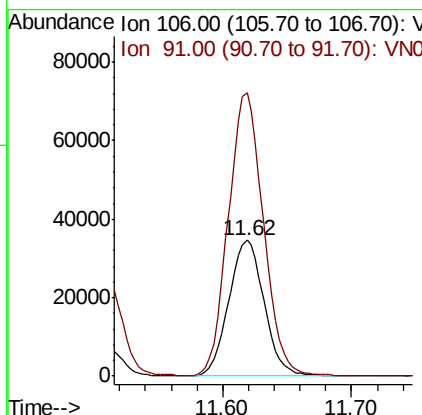
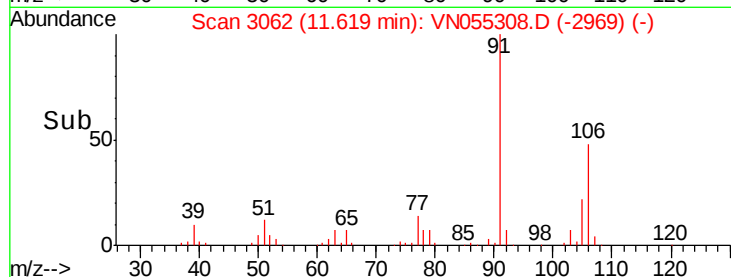
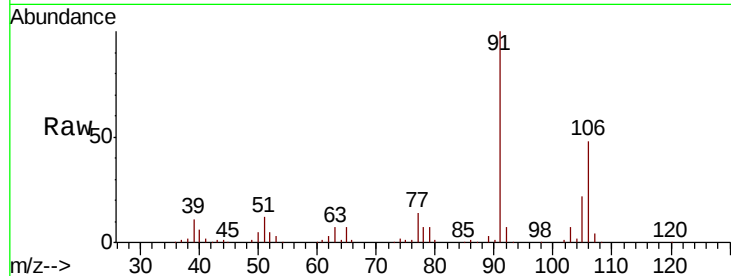




#68
m/p-Xylenes
Concen: 9.241 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055308.D
Acq: 30 Apr 2019 15:11

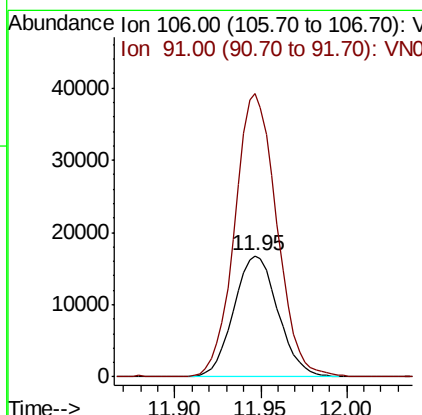
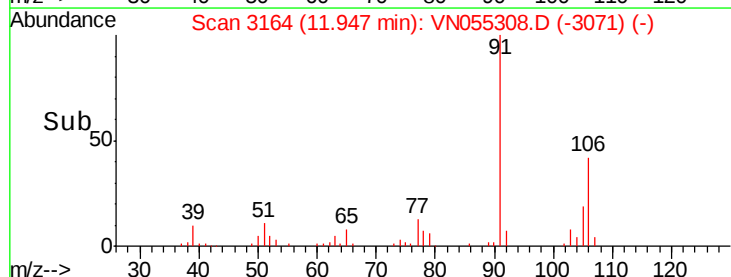
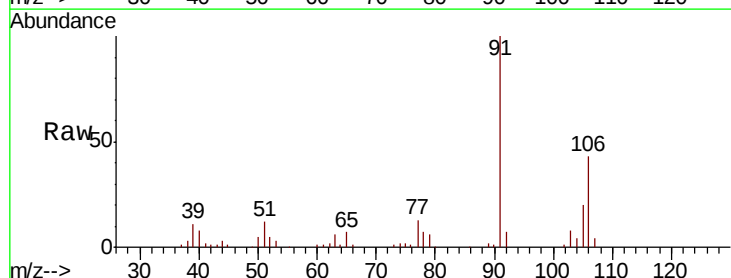
Instrument :
MSVOA_N
ClientSampled :

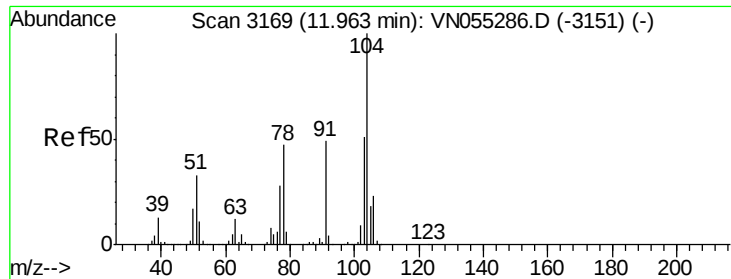
Tot Ion:106 Resp: 66011
Ion Ratio Lower Upper
106 100
91 207.5 169.5 254.3



#69
o-Xylene
Concen: 4.237 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055308.D
Acq: 30 Apr 2019 15:11

Tgt Ion:106 Resp: 29997
Ion Ratio Lower Upper
106 100
91 222.9 111.5 334.5





#70

Stvrene

Concen: 0.376 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.01 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

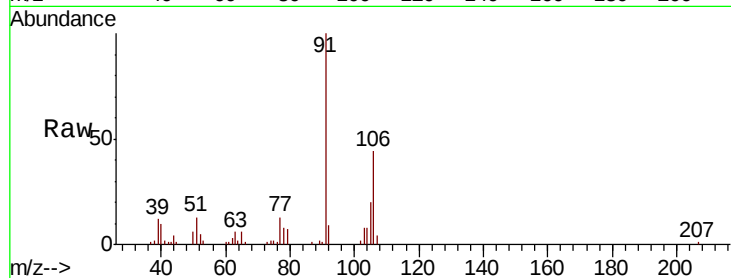
Tot Ion:104 Resp: 4084

Ion Ratio Lower Upper

104 100

78 139.1 42.2 63.2#

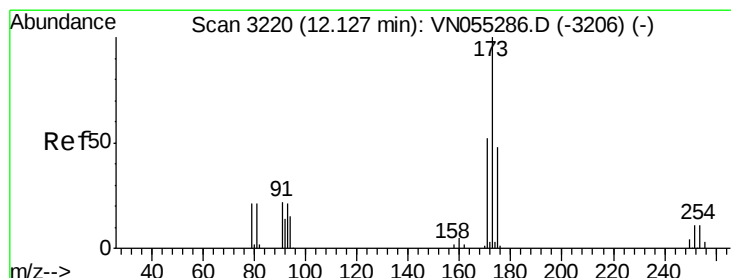
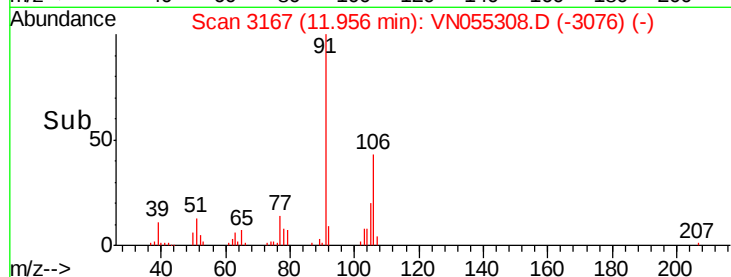
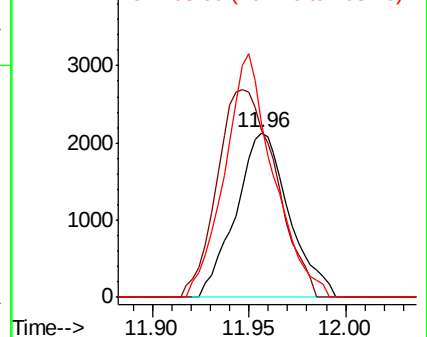
103 134.5 44.6 67.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.215 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

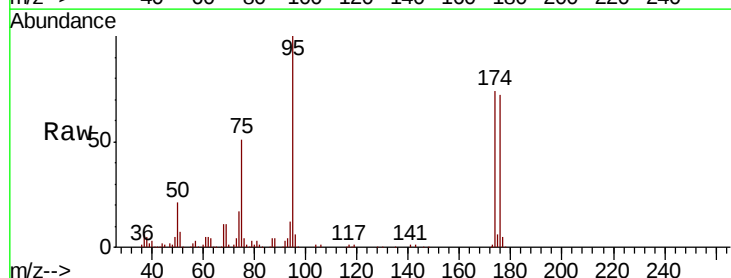
Tgt Ion:173 Resp: 518

Ion Ratio Lower Upper

173 100

175 0.0 23.6 71.0#

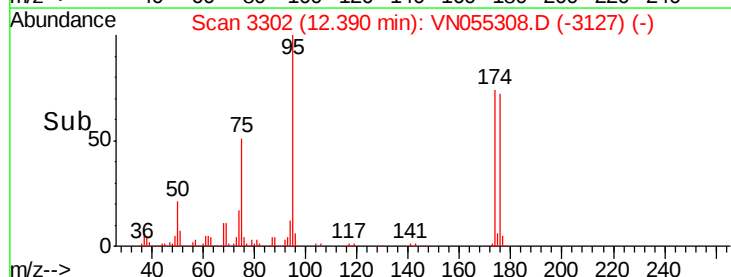
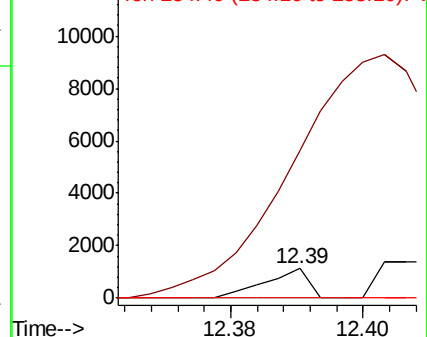
254 0.0 0.0 0.0

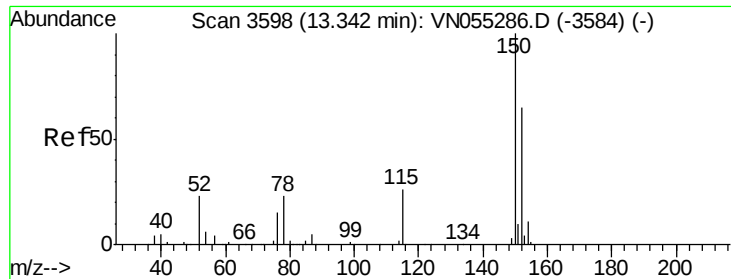


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampled :

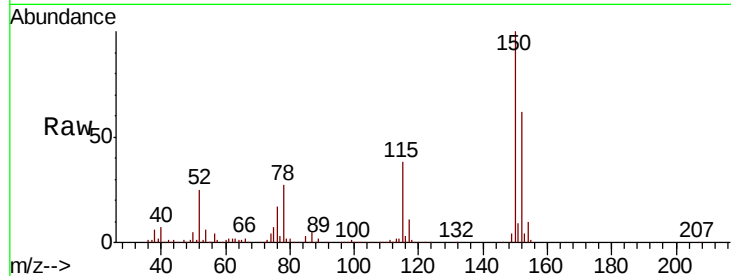
Tot Ion:152 Resp: 174413

Ion Ratio Lower Upper

152 100

115 60.7 29.0 87.0

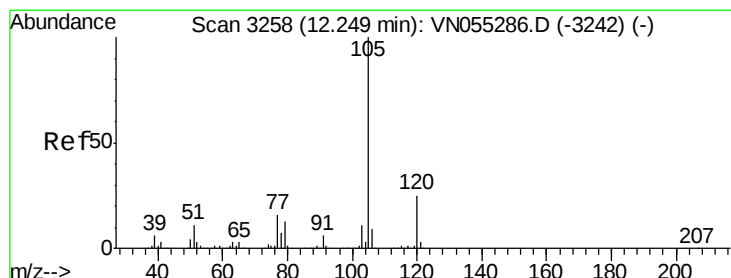
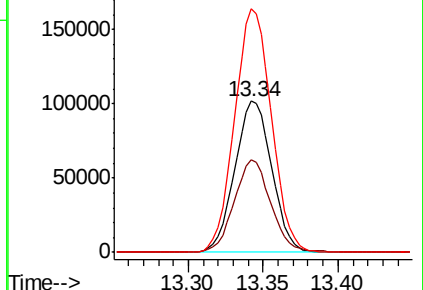
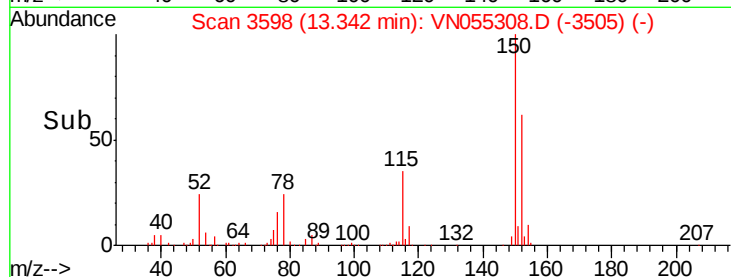
150 160.8 0.0 345.6



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: VN055308.D

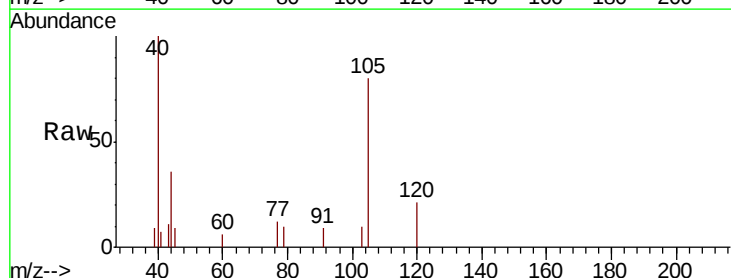
Acq: 30 Apr 2019 15:11

Tgt Ion:105 Resp: 3597

Ion Ratio Lower Upper

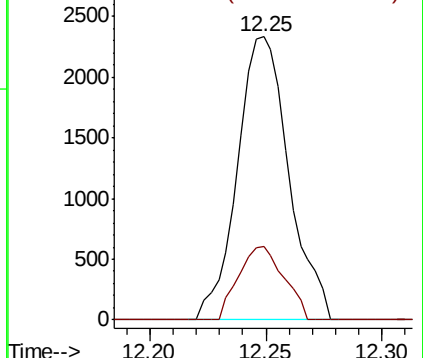
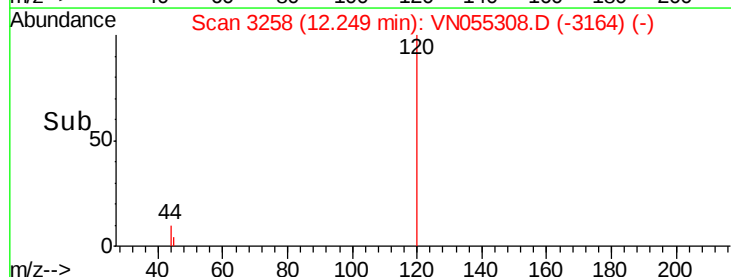
105 100

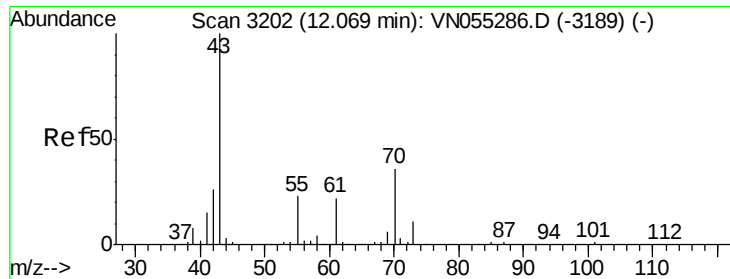
120 22.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.293 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN055308.D

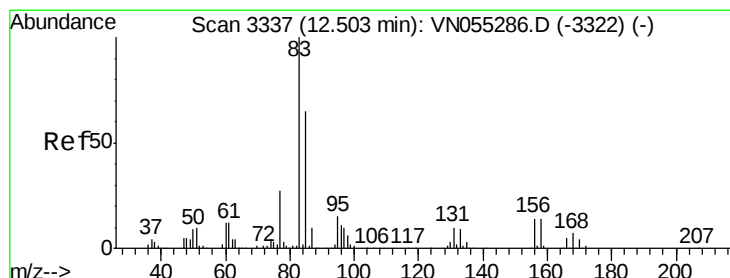
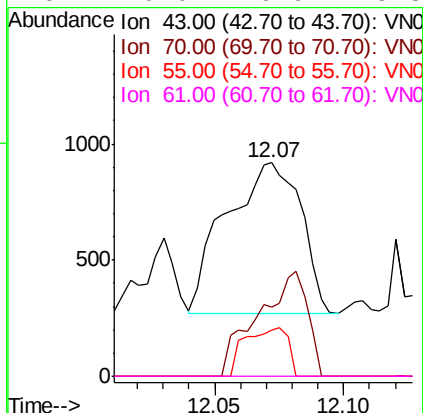
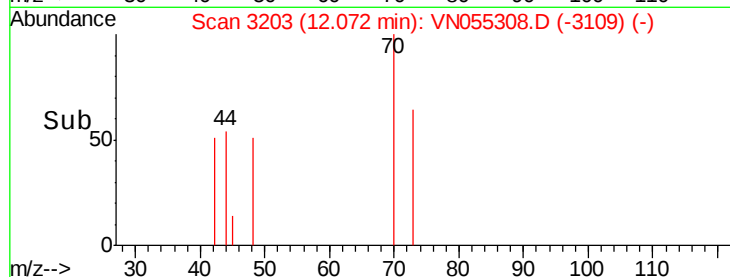
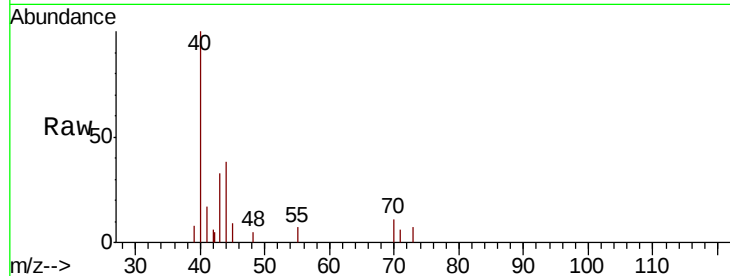
Acq: 30 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	43	Resp:	1310
Ion	Ratio	Lower	Upper
43	100		
70	46.3	27.9	41.9#
55	18.5	18.2	27.2
61	0.0	16.9	25.3#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

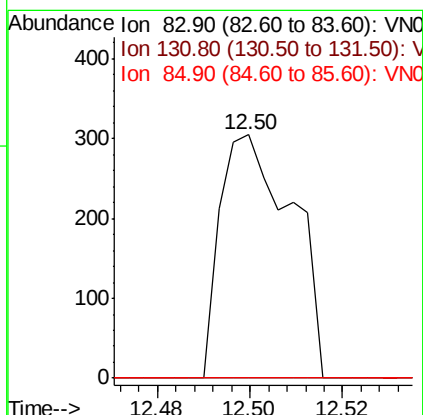
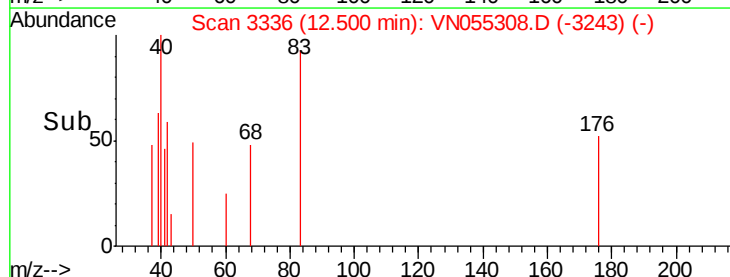
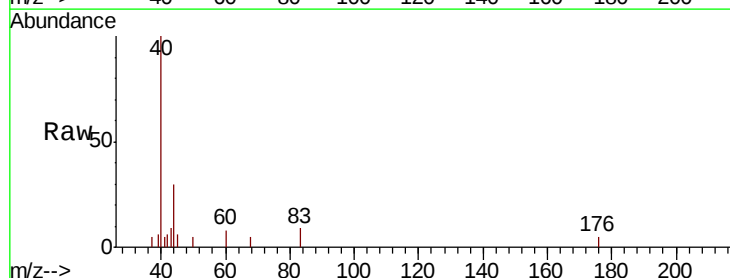
RT: 12.50 min Scan# 3336

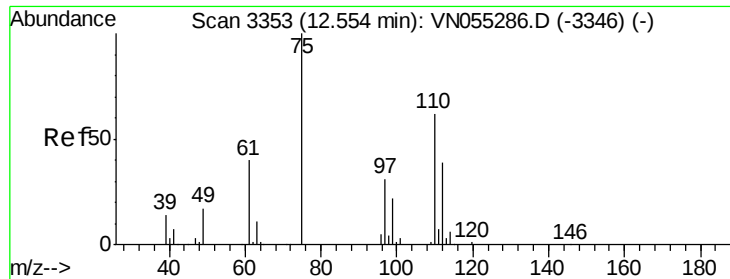
Delta R.T. -0.00 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Tgt Ion:	83	Resp:	329
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.1	15.2#
85	0.0	32.3	96.8#

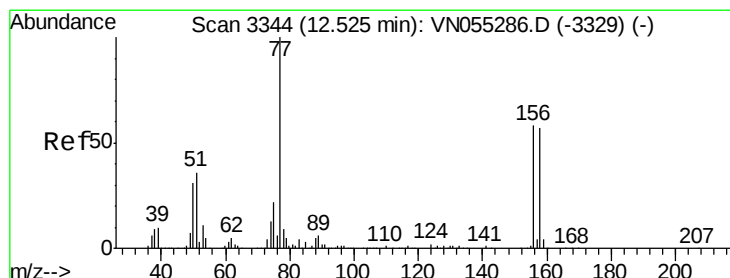
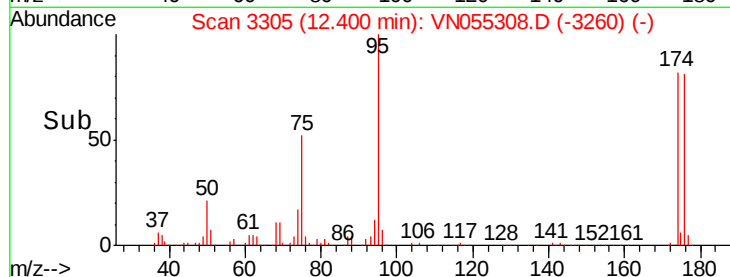
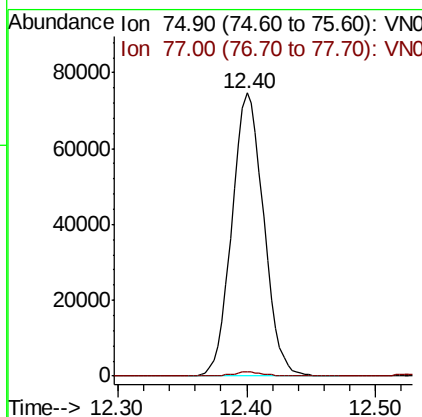
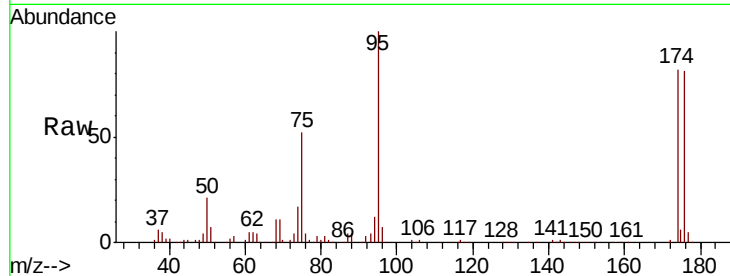




#76
 1,2,3-Trichloropropane
 Concen: 38.856 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN055308.D
 Acq: 30 Apr 2019 15:11

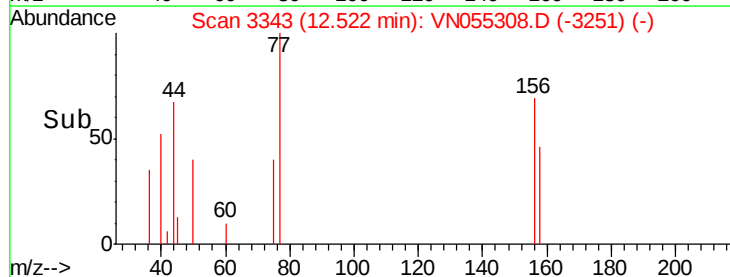
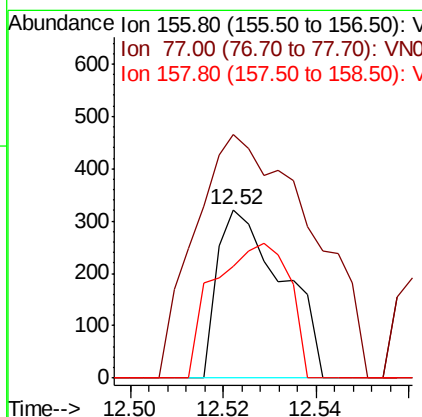
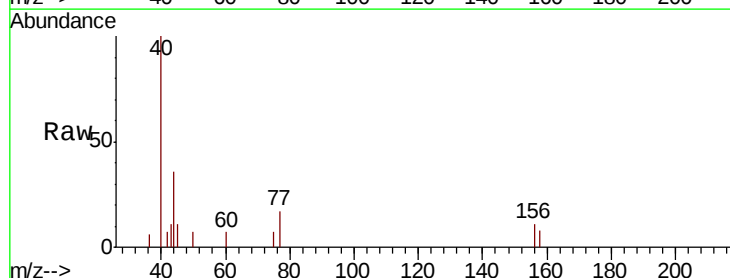
Instrument :
 MSVOA_N
 ClientSampleId :

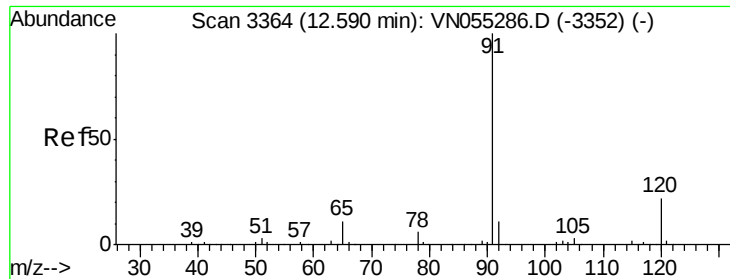
Tot Ion: 75 Resp: 127788
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#77
 Bromobenzene
 Concen: Below Cal
 RT: 12.52 min Scan# 3343
 Delta R.T. -0.00 min
 Lab File: VN055308.D
 Acq: 30 Apr 2019 15:11

Tgt Ion: 156 Resp: 312
 Ion Ratio Lower Upper
 156 100
 77 259.3 99.6 298.8
 158 92.9 49.3 147.8





#78

n-propylbenzene

Concen: 0.688 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Instrument :

MSVOA_N

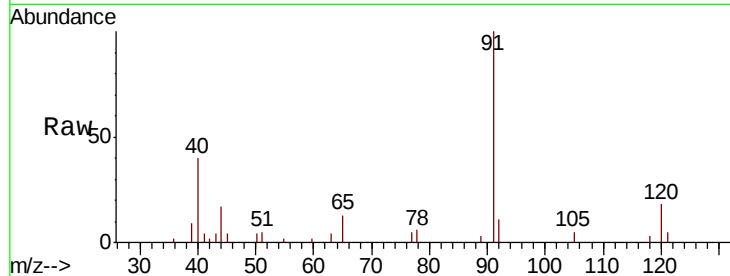
ClientSampleId :

Tot Ion: 91 Resp: 12324

Ion Ratio Lower Upper

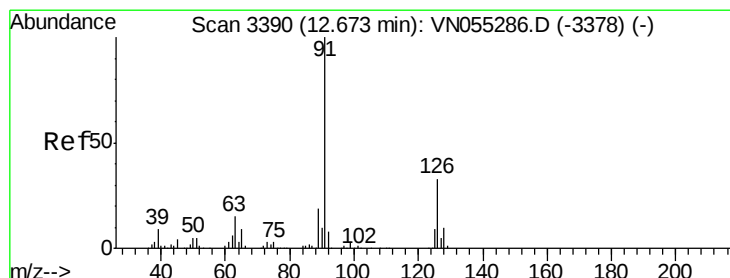
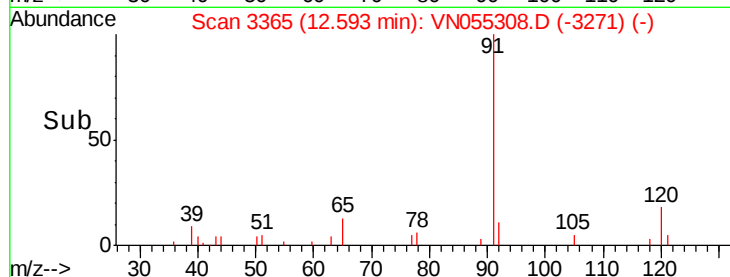
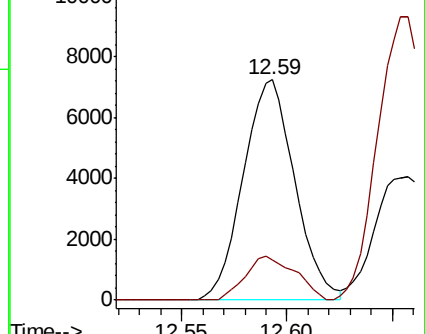
91 100

120 19.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.77 min Scan# 3421

Delta R.T. 0.10 min

Lab File: VN055308.D

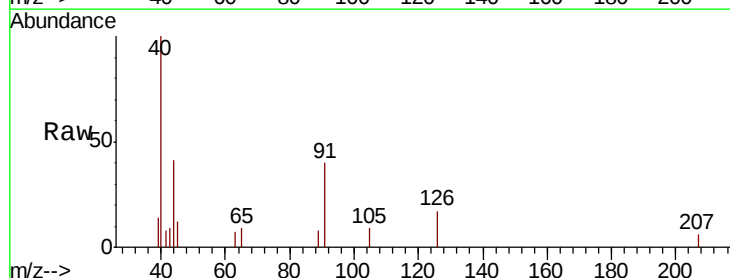
Acq: 30 Apr 2019 15:11

Tgt Ion: 91 Resp: 1467

Ion Ratio Lower Upper

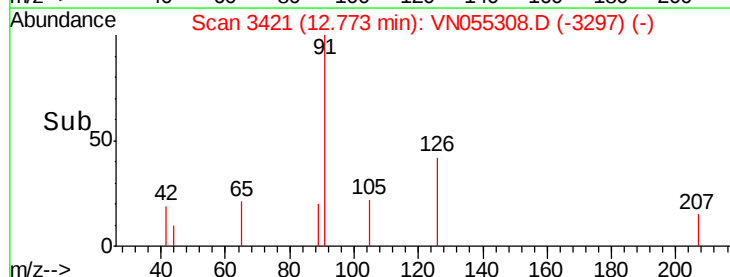
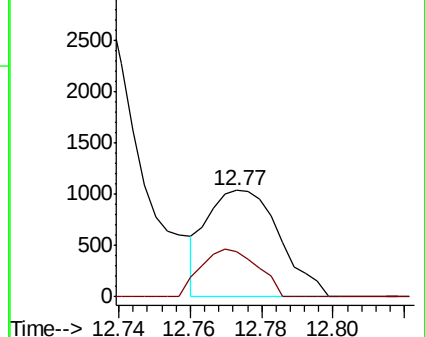
91 100

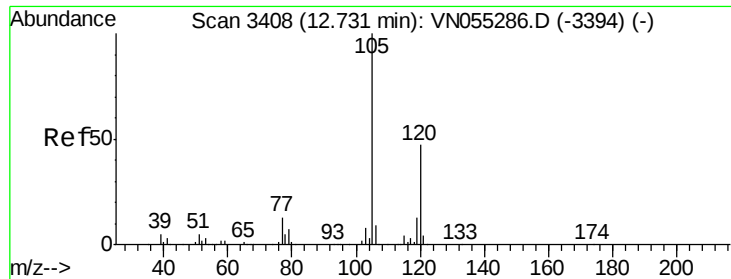
126 35.1 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 2.985 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Instrument :

MSVOA_N

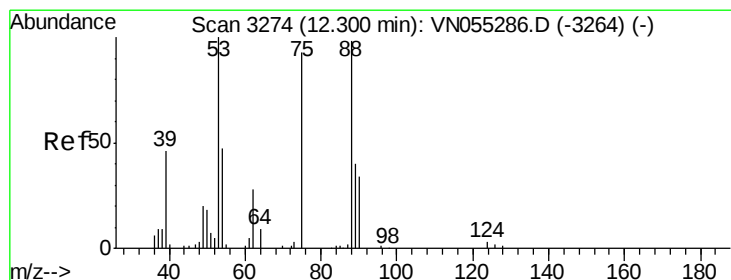
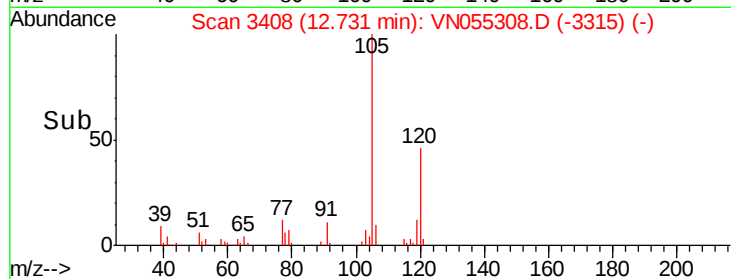
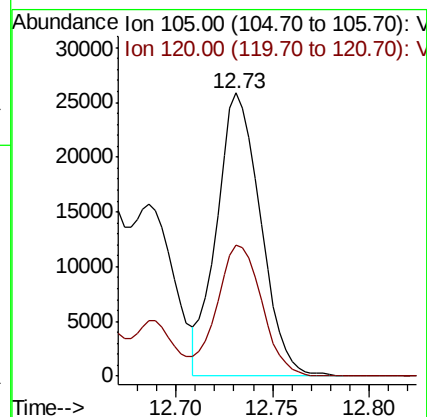
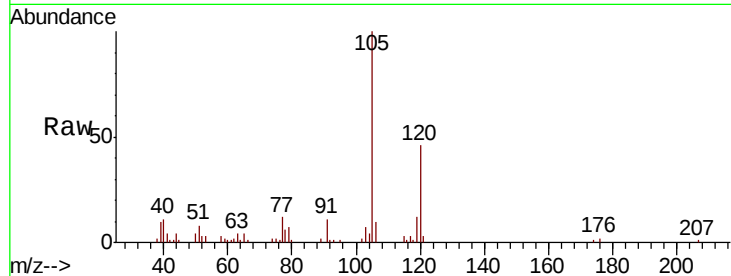
ClientSampled :

Tot Ion:105 Resp: 40809

Ion Ratio Lower Upper

105 100

120 47.9 23.4 70.0



#81

trans-1,4-Dichloro-2-butene

Concen: 138.847 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

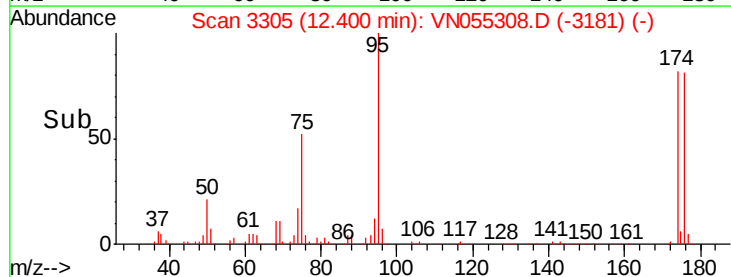
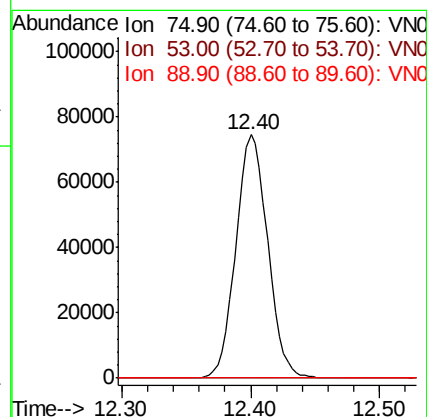
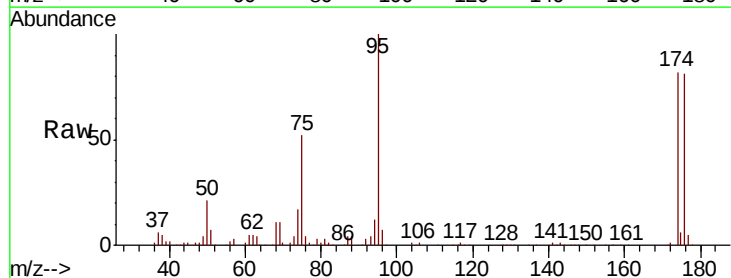
Tgt Ion: 75 Resp: 127788

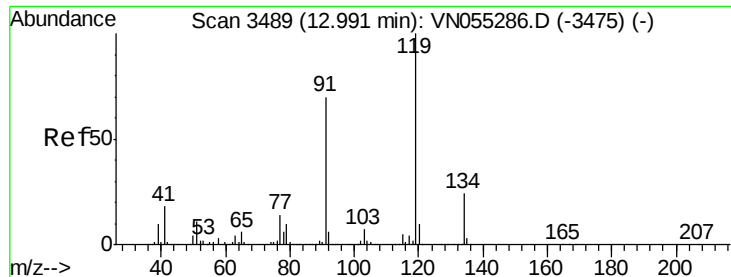
Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

89 0.0 34.6 51.8#

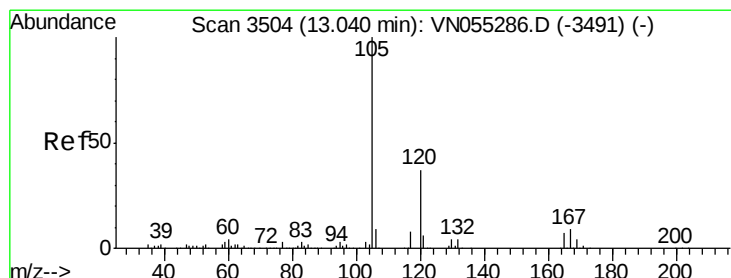
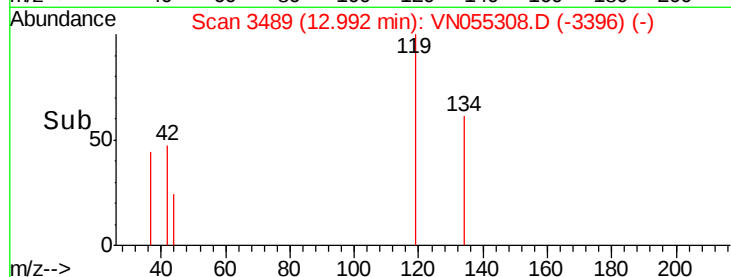
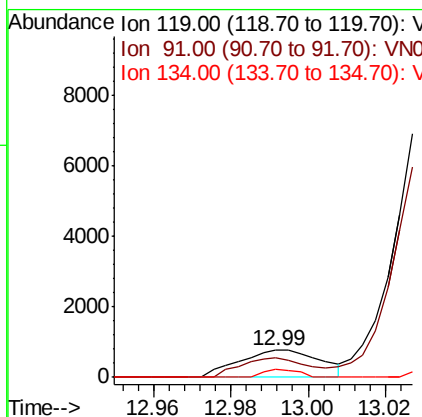
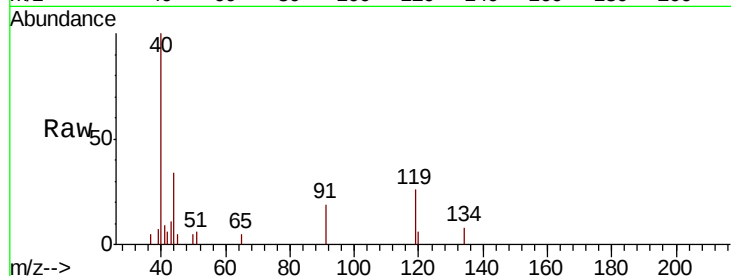




#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055308.D
Acq: 30 Apr 2019 15:11

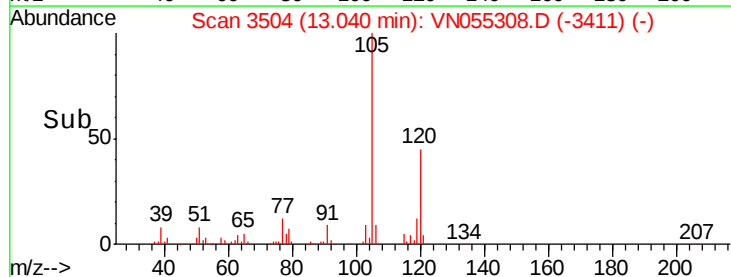
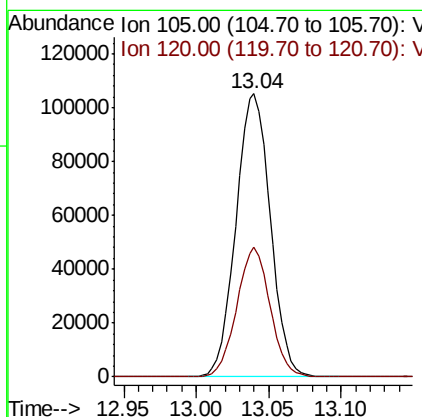
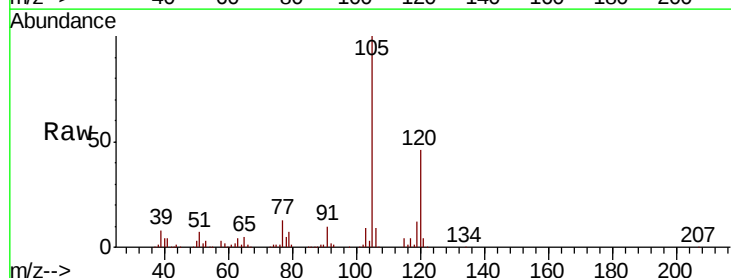
Instrument :
MSVOA_N
ClientSampled :

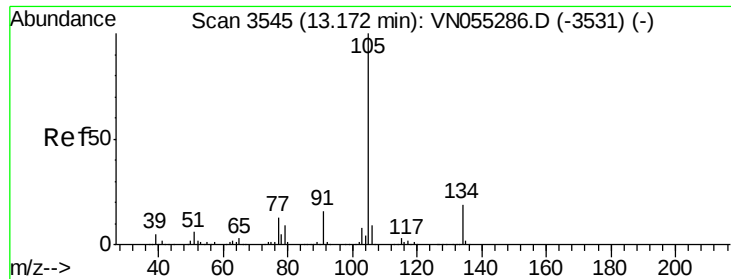
Tot Ion:119 Resp: 1131
Ion Ratio Lower Upper
119 100
91 59.9 34.3 102.9
134 12.7 13.1 39.3#



#84
1,2,4-Trimethylbenzene
Concen: 14.186 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055308.D
Acq: 30 Apr 2019 15:11

Tgt Ion:105 Resp: 173475
Ion Ratio Lower Upper
105 100
120 44.2 22.1 66.5

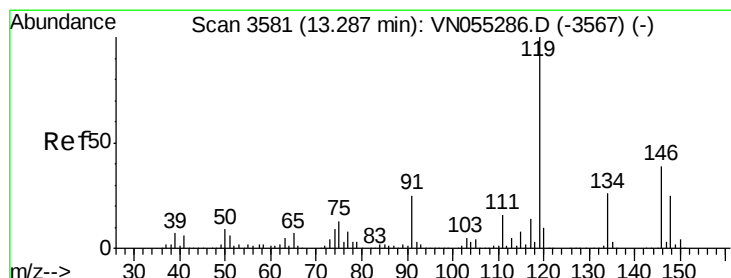
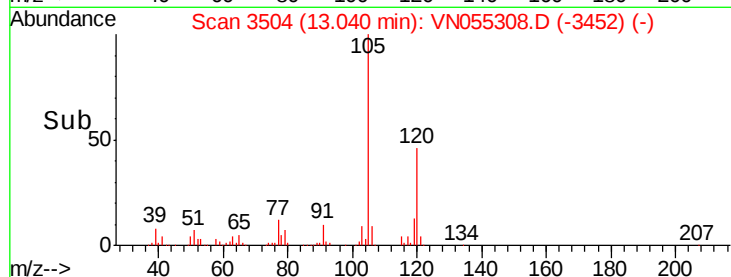
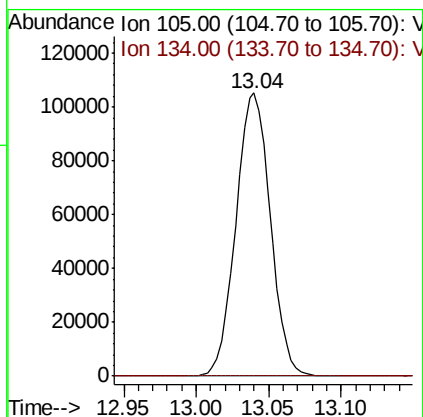
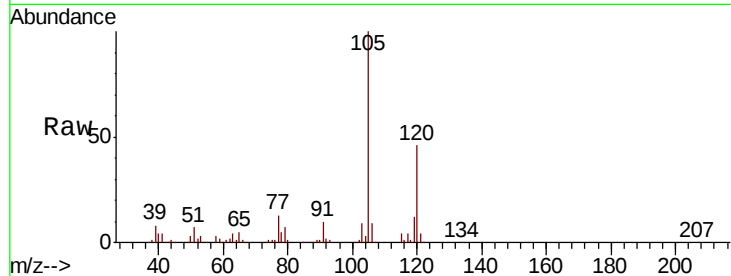




#85
 sec-Butylbenzene
 Concen: 11.673 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN055308.D
 Acq: 30 Apr 2019 15:11

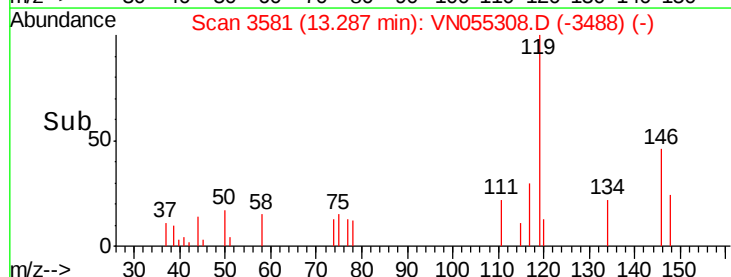
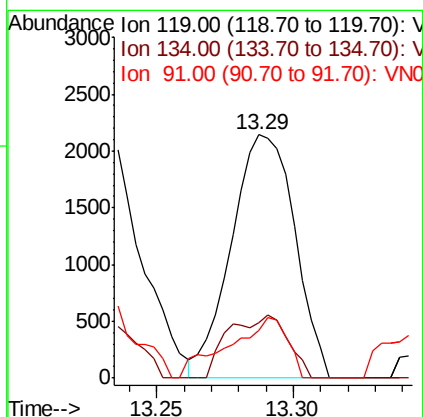
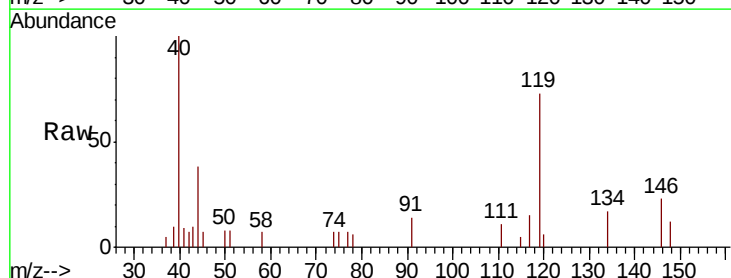
Instrument :
 MSVOA_N
 ClientSampleId :

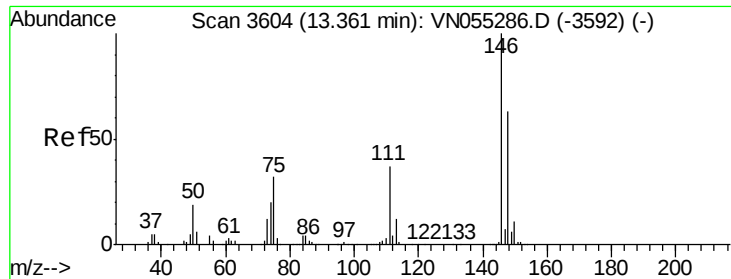
Tot Ion:105 Resp: 173475
 Ion Ratio Lower Upper
 105 100
 134 0.1 9.6 28.8#



#86
 p-Isopropyltoluene
 Concen: 0.283 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055308.D
 Acq: 30 Apr 2019 15:11

Tgt Ion:119 Resp: 3462
 Ion Ratio Lower Upper
 119 100
 134 24.3 13.0 38.9
 91 22.8 12.2 36.6

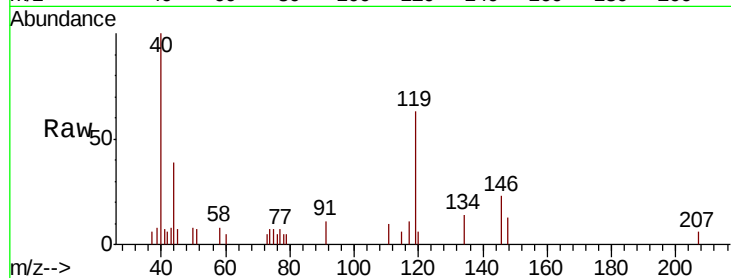




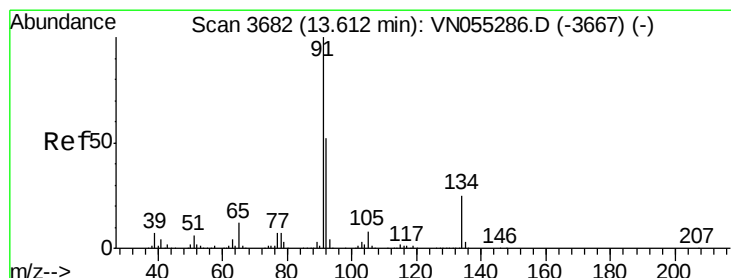
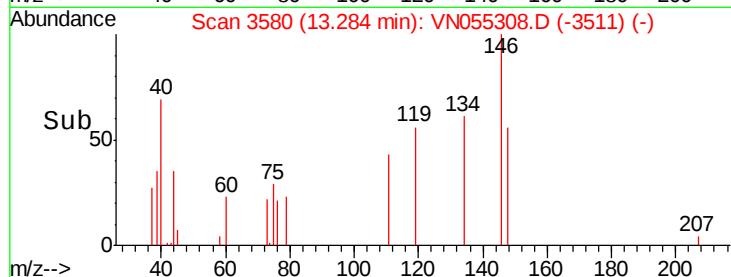
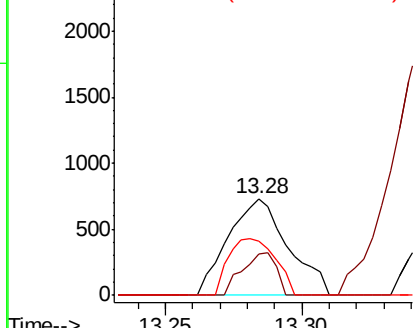
#88
 1,4-Dichlorobenzene
 Concen: 0.203 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN055308.D
 Acq: 30 Apr 2019 15:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 1115
 Ion Ratio Lower Upper
 146 100
 111 24.7 19.5 58.5
 148 45.7 32.5 97.4

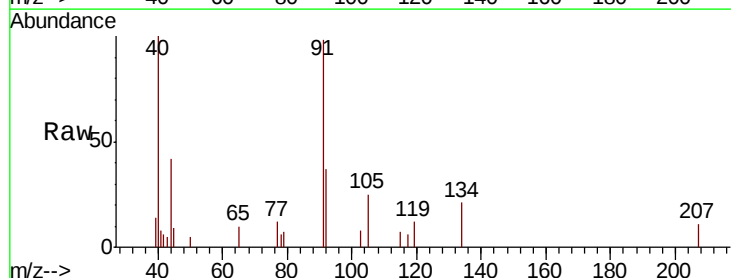


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

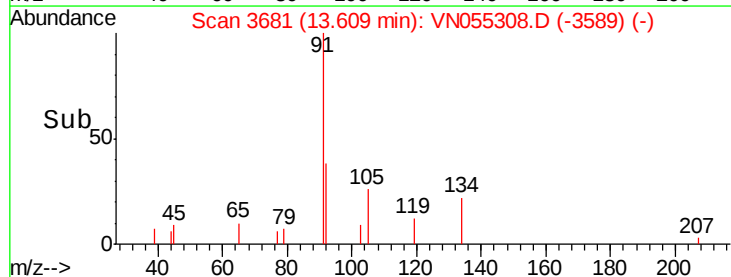
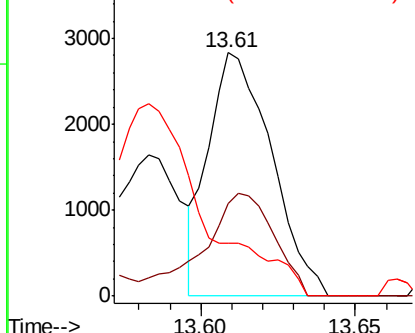


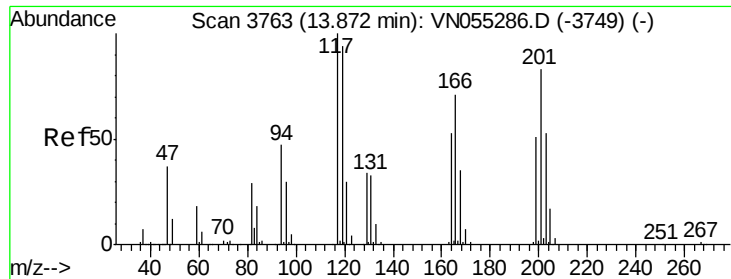
#89
 n-Butylbenzene
 Concen: 0.462 ug/l
 RT: 13.61 min Scan# 3681
 Delta R.T. -0.00 min
 Lab File: VN055308.D
 Acq: 30 Apr 2019 15:11

Tgt Ion: 91 Resp: 4014
 Ion Ratio Lower Upper
 91 100
 92 47.7 26.1 78.3
 134 0.0 12.4 37.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0
 Ion 92.00 (91.70 to 92.70): VN0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Instrument :

MSVOA_N

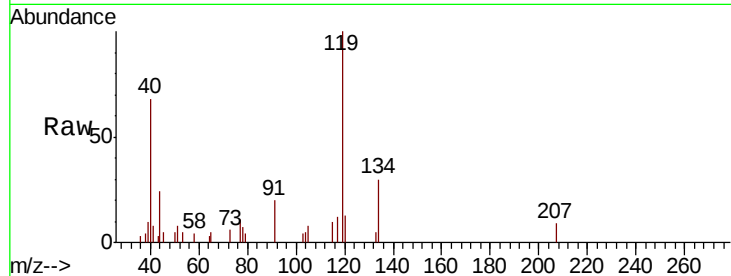
ClientSampled :

Tot Ion:117 Resp: 909

Ion Ratio Lower Upper

117 100

201 0.0 41.9 125.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

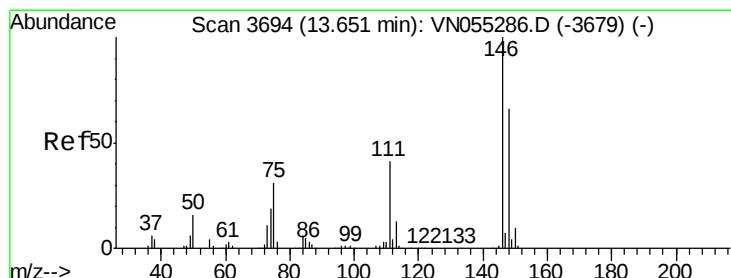
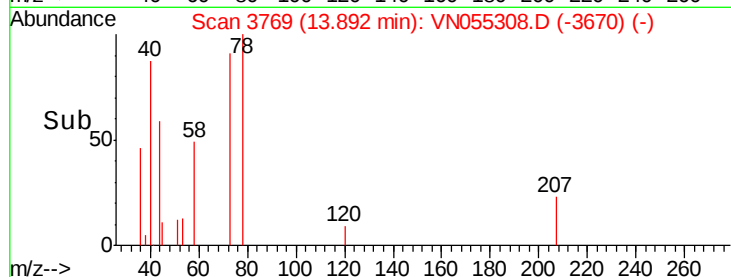
600

400

200

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.207 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

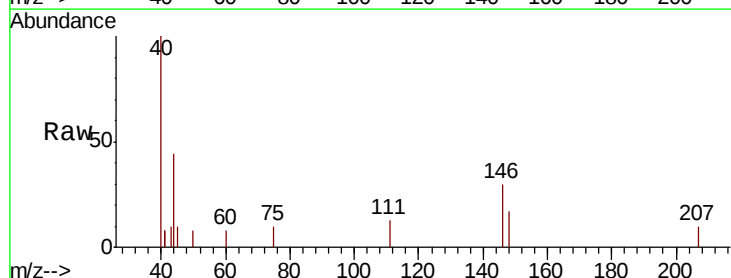
Tgt Ion:146 Resp: 1199

Ion Ratio Lower Upper

146 100

111 48.2 20.3 61.0

148 50.4 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.65

1000

800

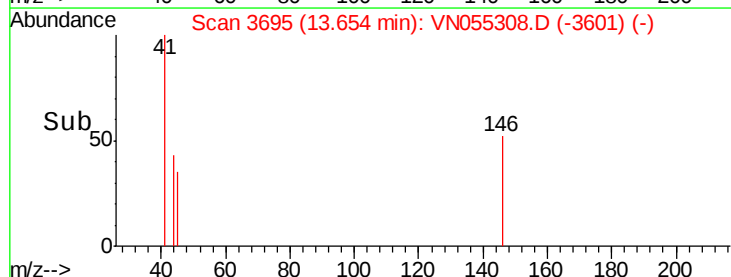
600

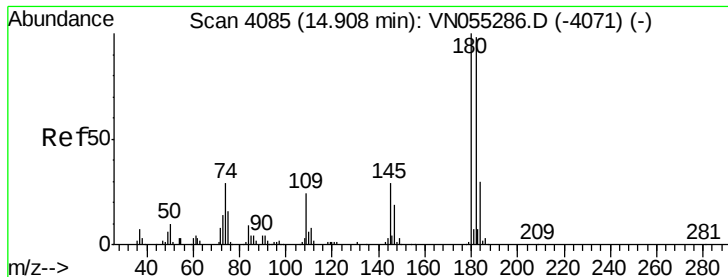
400

200

0

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 3.872 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampled :

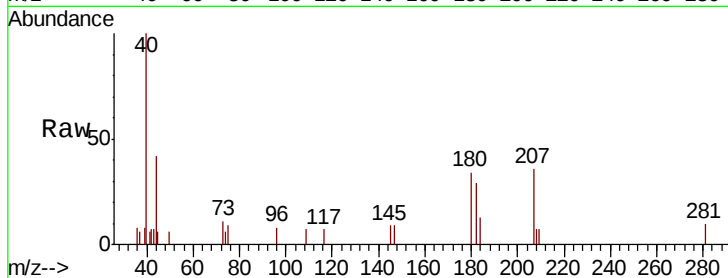
Tot Ion:180 Resp: 1371

Ion Ratio Lower Upper

180 100

182 104.6 48.3 144.9

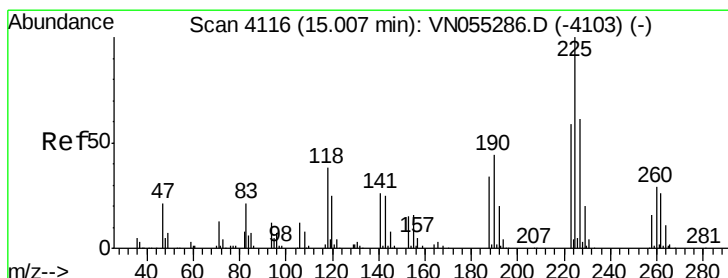
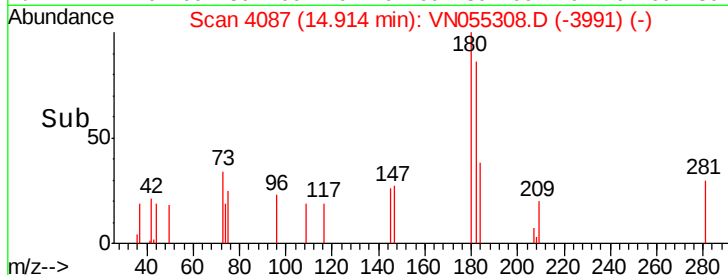
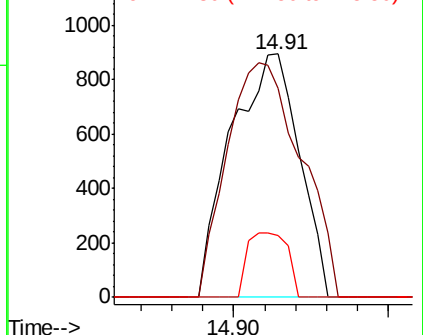
145 15.5 14.2 42.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

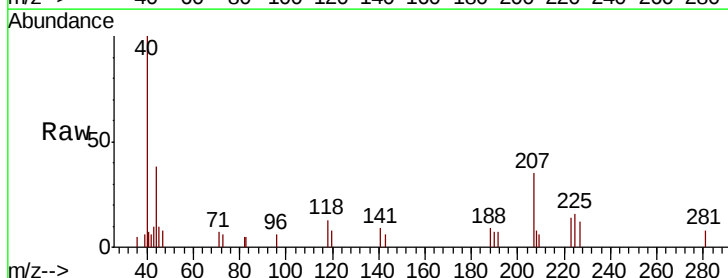
Tgt Ion:225 Resp: 776

Ion Ratio Lower Upper

225 100

223 65.5 30.3 90.8

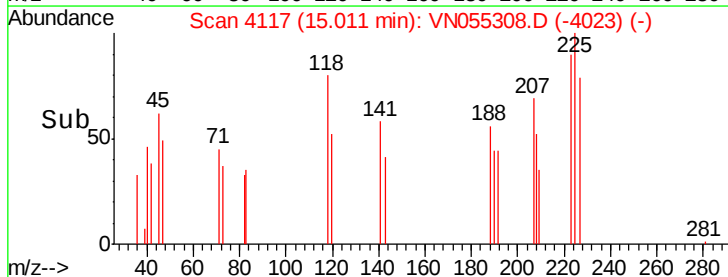
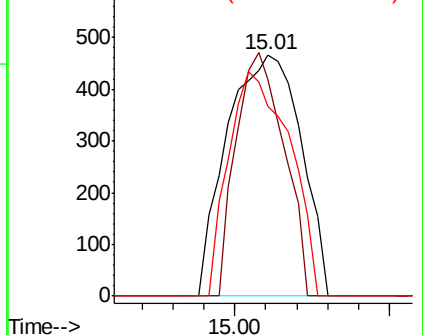
227 77.1 30.9 92.7

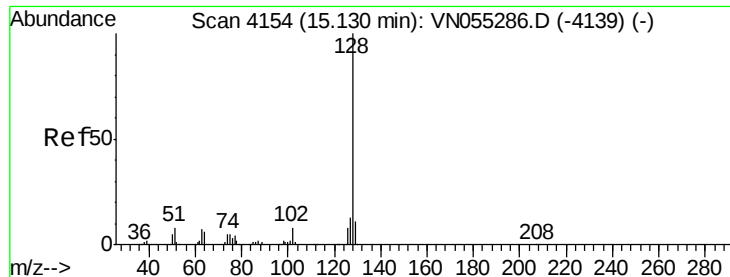


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 6.561 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampled :

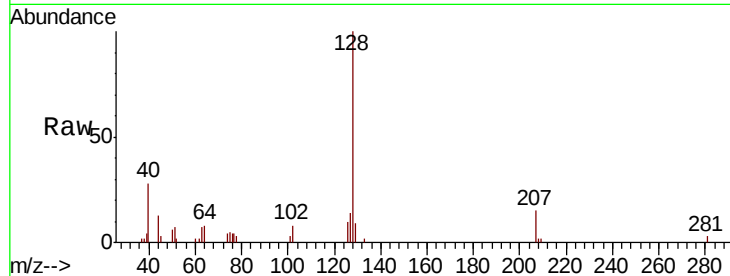
Tot Ion:128 Resp: 16792

Ion Ratio Lower Upper

128 100

127 12.4 10.7 16.1

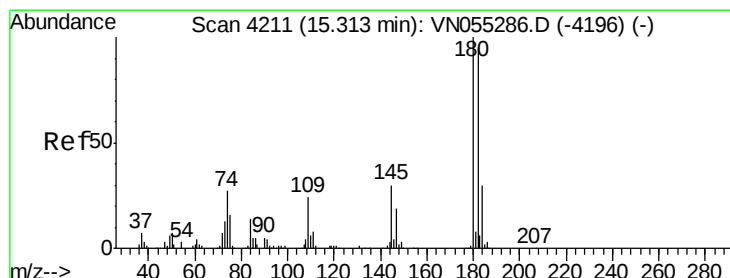
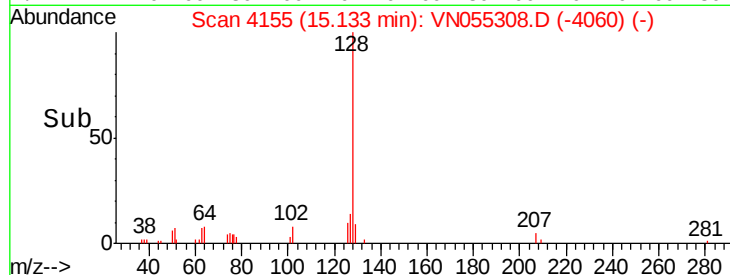
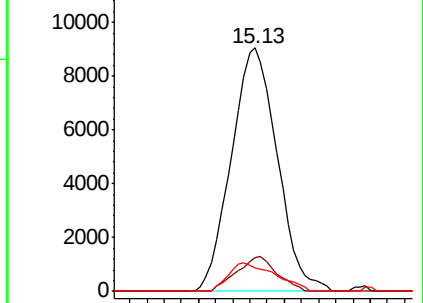
129 11.9 8.6 13.0



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: 3.358 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055308.D

Acq: 30 Apr 2019 15:11

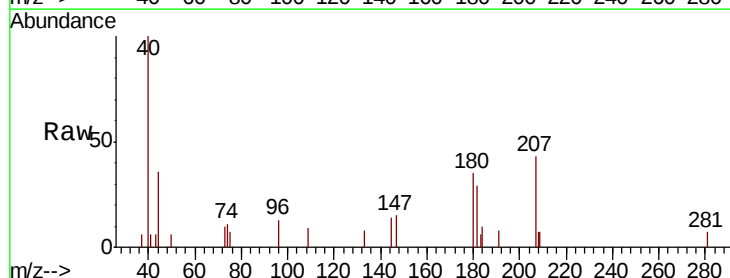
Tgt Ion:180 Resp: 1767

Ion Ratio Lower Upper

180 100

182 82.6 48.3 144.9

145 41.3 15.2 45.6



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

