

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
 Data File : VN059104.D
 Acq On : 6 Nov 2019 13:56
 Operator : JC/SP
 Sample : K5671-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:06:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	443709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	686033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	602171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	215359	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	272340	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	7.57	113	210227	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
50) Toluene-d8	10.08	98	840460	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.40	95	267036	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	937	0.276	ug/l #	79
13) Acrolein	3.59	56	228	0.425	ug/l #	14
14) Allyl chloride	4.53	41	39398	4.634	ug/l #	28
16) Acetone	3.80	43	18178	6.409	ug/l	96
17) Carbon Disulfide	4.03	76	5004	0.389	ug/l #	91
18) Methyl Acetate	4.31	43	4367	0.649	ug/l #	66
20) Methylene Chloride	4.53	84	1002065	202.791	ug/l	98
29) Tetrahydrofuran	7.20	42	904	0.381	ug/l #	41
31) Cyclohexane	7.64	56	9278	1.093	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	33531	5.229	ug/l #	49
38) Carbon Tetrachloride	7.64	117	42068	6.591	ug/l #	16
43) Isopropyl Acetate	8.15	43	108226	9.516	ug/l #	92
45) 1,2-Dichloropropane	9.26	63	2324	0.443	ug/l #	44
48) Methyl methacrylate	9.17	41	6351	1.248	ug/l #	14
49) 1,4-Dioxane	9.26	88	141	1.560	ug/l #	1
51) 4-Methyl-2-Pentanone	9.97	43	8305	1.291	ug/l	95
52) Toluene	10.14	92	2822	0.244	ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	44882	5.534	ug/l #	63
56) Ethyl methacrylate	10.42	69	188	1.896	ug/l #	25
59) 2-Hexanone	10.76	43	114737	23.230	ug/l #	53
68) m/p-Xylenes	11.62	106	2940	0.377	ug/l	98
74) N-amyl acetate	12.03	43	3326	0.501	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	132854	27.096	ug/l #	100
78) n-propylbenzene	12.60	91	3660	0.204	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	6146	0.463	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	132854	71.569	ug/l #	13
82) 4-Chlorotoluene	12.78	91	2596	0.233	ug/l	85
84) 1,2,4-Trimethylbenzene	13.04	105	5603	0.436	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	1979	0.294	ug/l	95
88) 1,4-Dichlorobenzene	13.29	146	1979	0.293	ug/l	94
89) n-Butylbenzene	13.62	91	3558	0.309	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	1917	0.289	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	14.27	75	452	0.451	ug/l #	40
93) 1,2,4-Trichlorobenzene	14.91	180	3233	3.801	ug/l #	80

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Response via : Initial Calibration

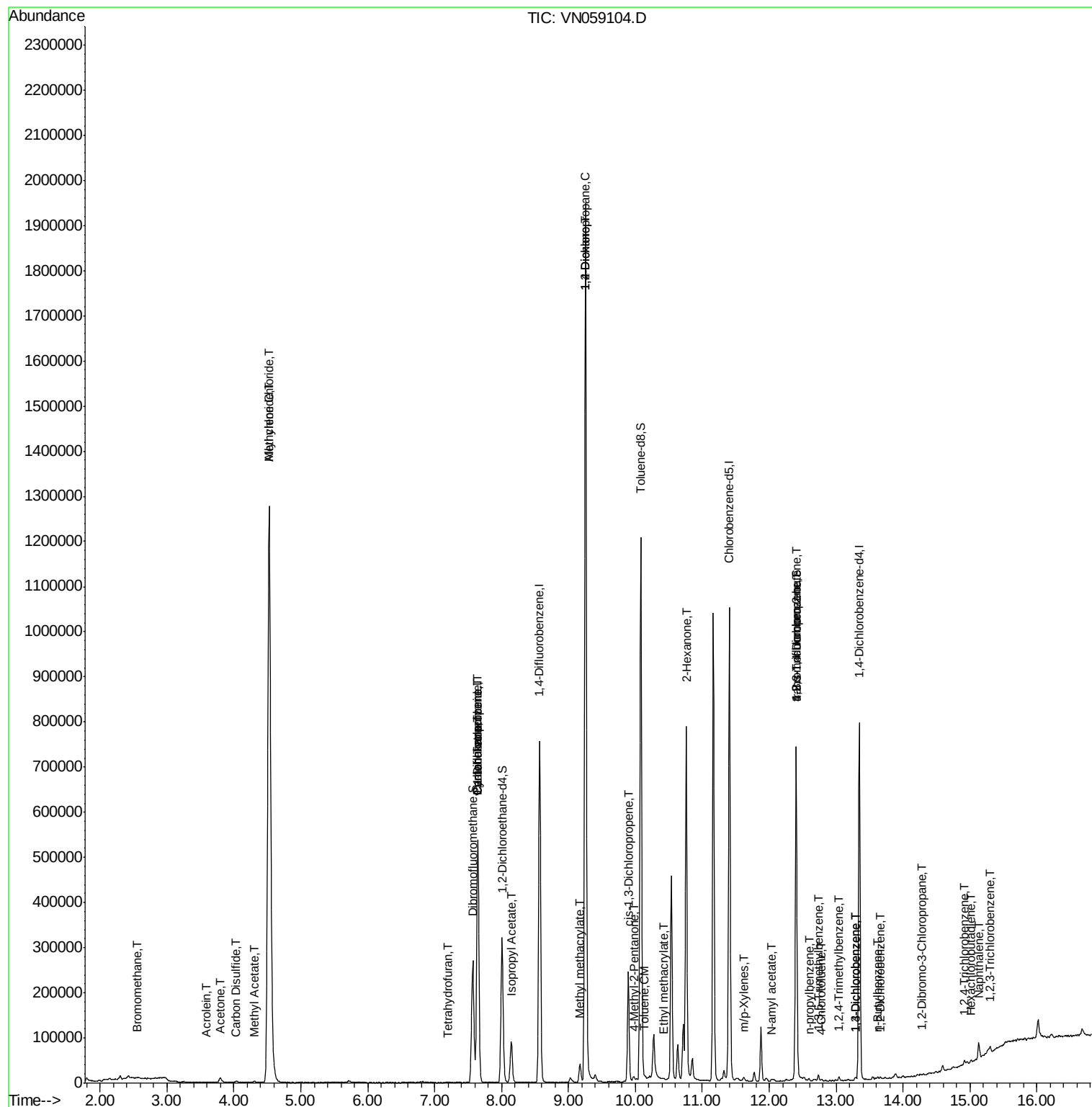
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	1060	0.464	ug/l	92
95) Naphthalene	15.13	128	28277	5.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	4301	1.158	ug/l	93

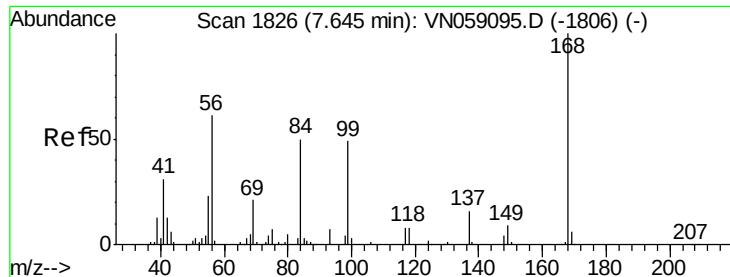
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110619\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

Instrument :

MSVOA_N

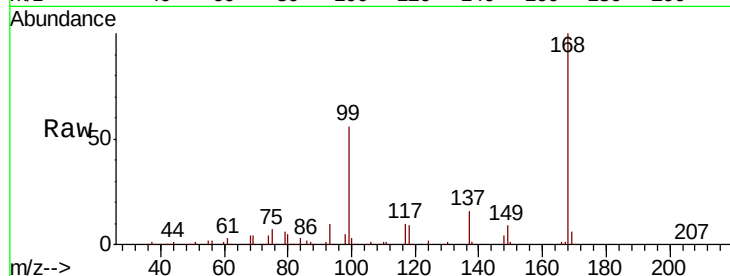
ClientSampleId :

Tot Ion:168 Resp: 443709

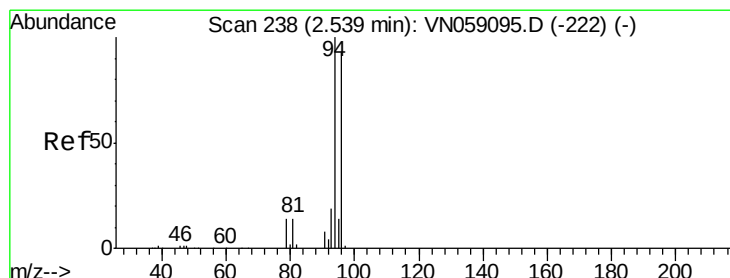
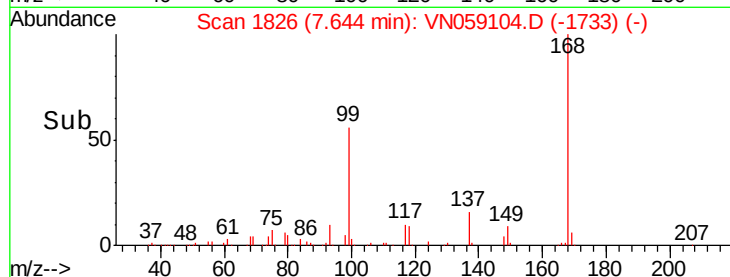
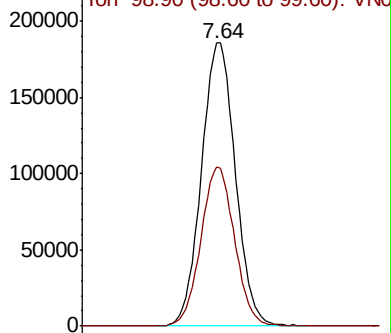
Ion Ratio Lower Upper

168 100

99 56.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059104.D (-1733) (-)



#5

Bromomethane

Concen: 0.276 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.02 min

Lab File: VN059104.D

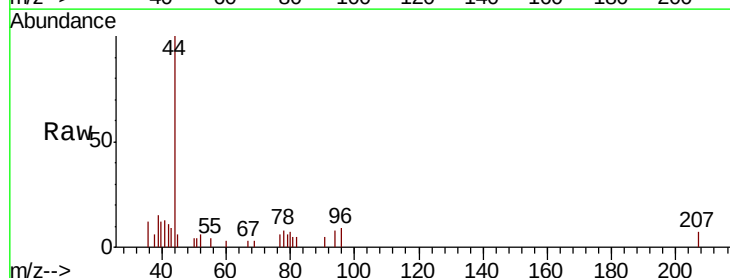
Acq: 6 Nov 2019 13:56

Tgt Ion: 94 Resp: 937

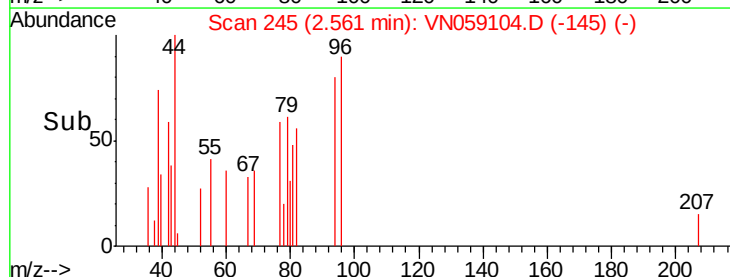
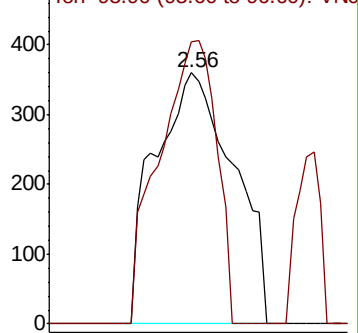
Ion Ratio Lower Upper

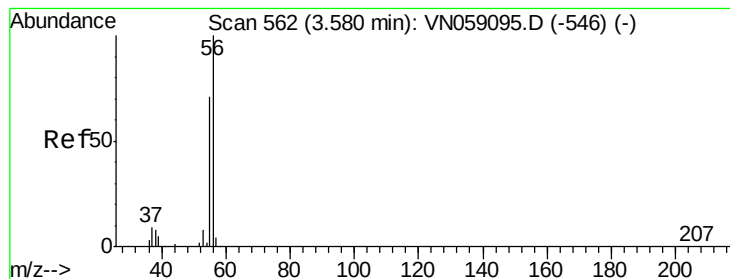
94 100

96 112.5 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VN059104.D (-145) (-)





#13

Acrolein

Concen: 0.425 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

Instrument :

MSVOA_N

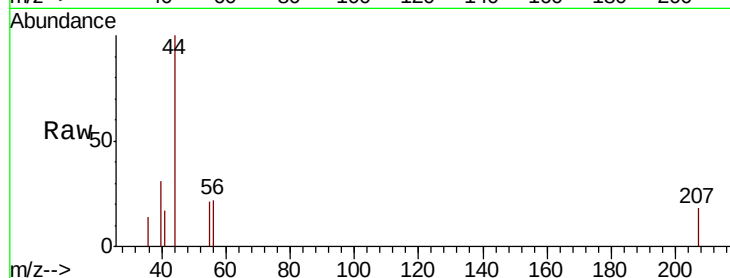
ClientSampleId :

Tot Ion: 56 Resp: 228

Ion Ratio Lower Upper

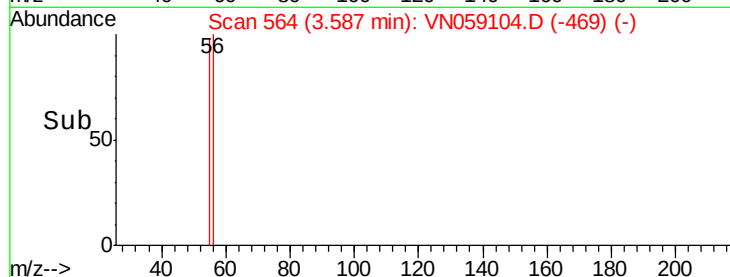
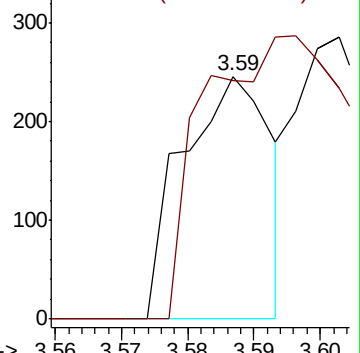
56 100

55 0.0 56.4 84.6#

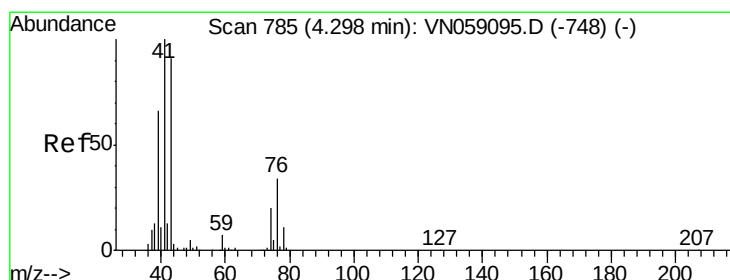


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 4.634 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.23 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

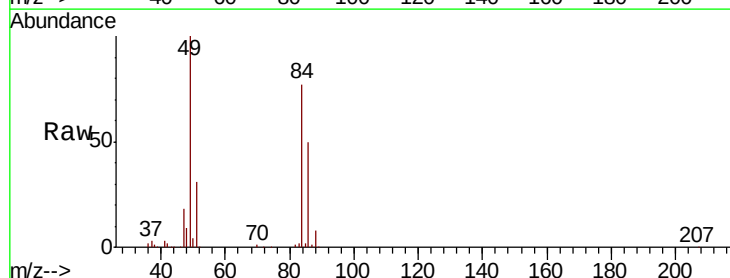
Tgt Ion: 41 Resp: 39398

Ion Ratio Lower Upper

41 100

39 0.6 49.1 73.7#

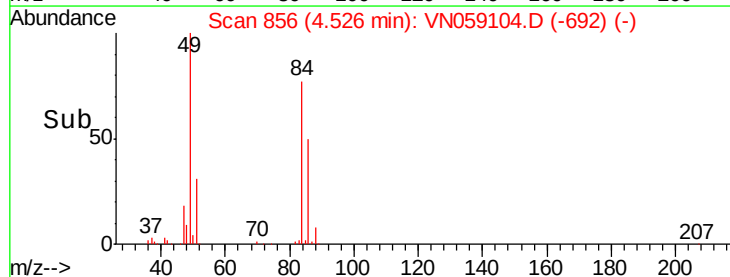
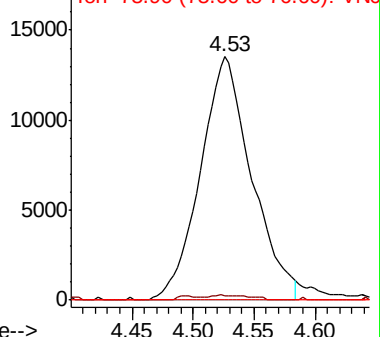
76 0.0 24.9 37.3#



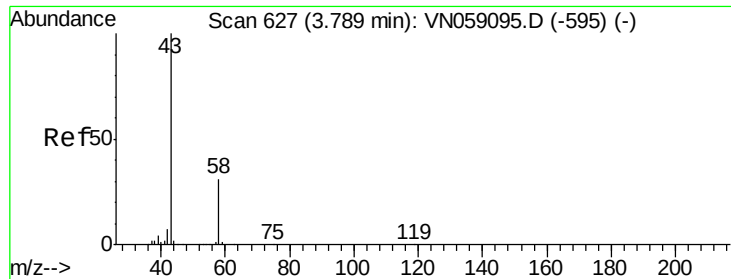
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->



#16

Acetone

Concen: 6.409 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

Instrument :

MSVOA_N

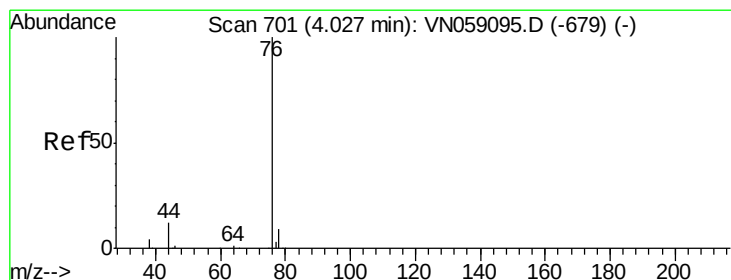
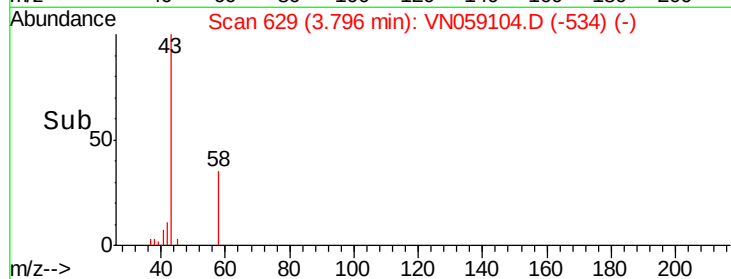
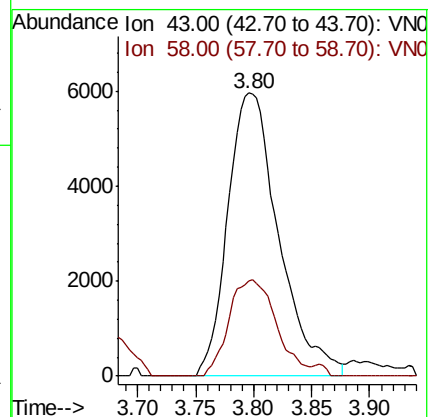
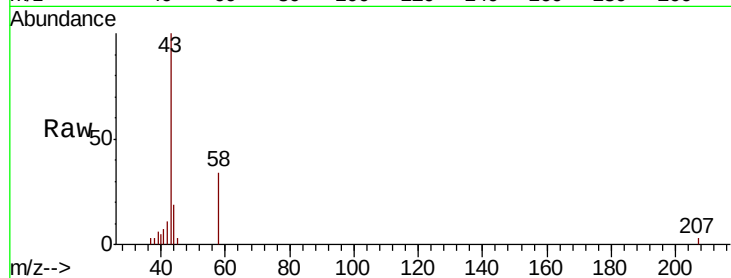
ClientSampled :

Tot Ion: 43 Resp: 18178

Ion Ratio Lower Upper

43 100

58 33.6 24.9 37.3



#17

Carbon Disulfide

Concen: 0.389 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059104.D

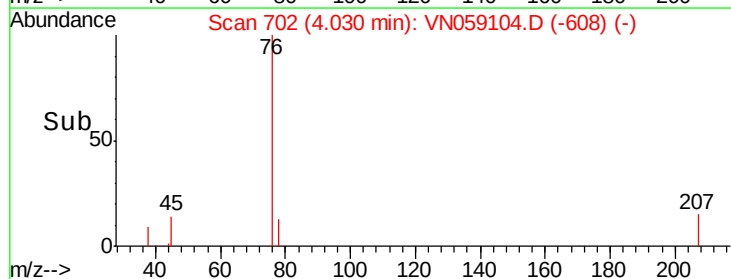
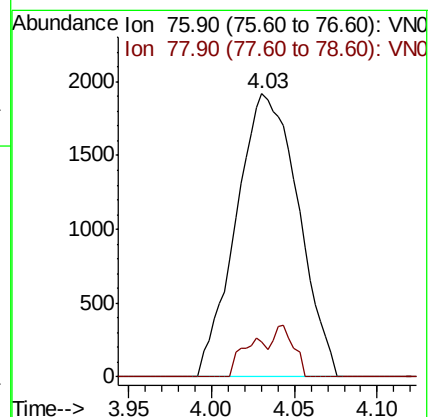
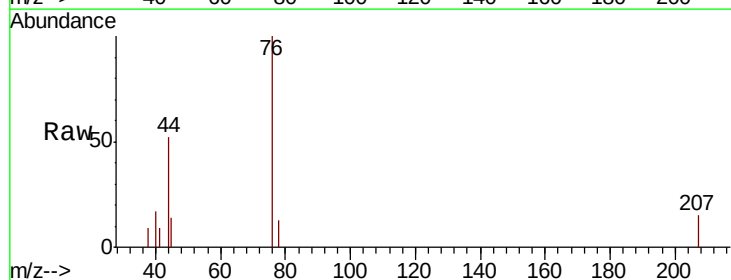
Acq: 6 Nov 2019 13:56

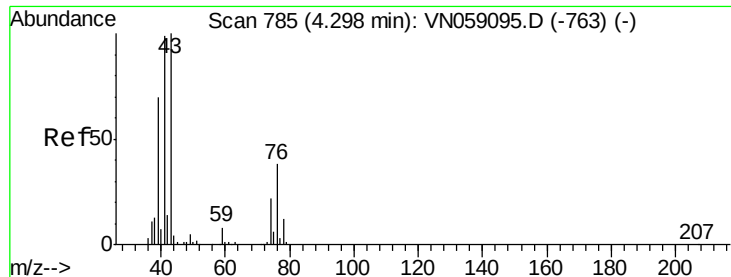
Tgt Ion: 76 Resp: 5004

Ion Ratio Lower Upper

76 100

78 12.6 7.4 11.0#

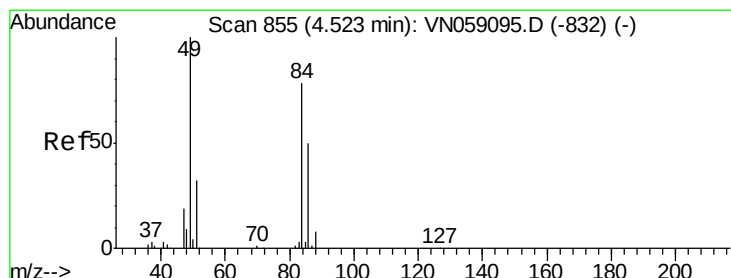
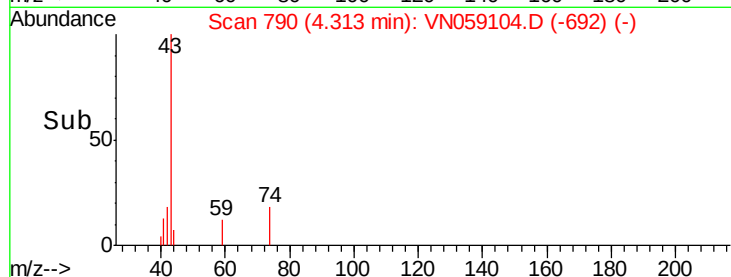
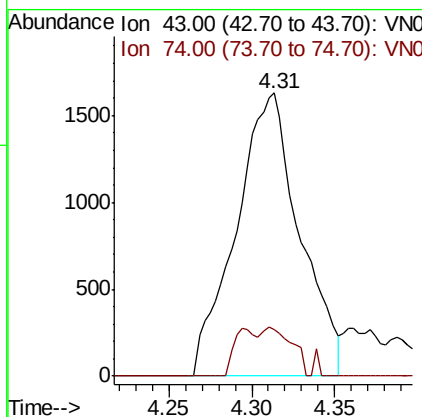
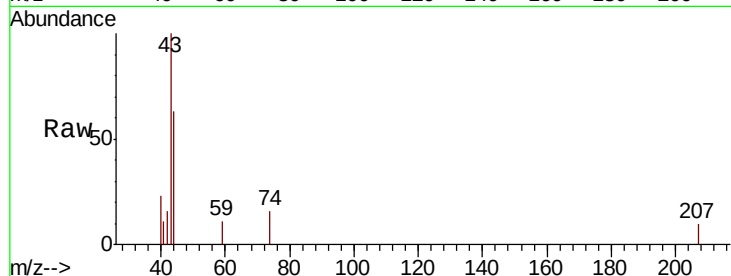




#18
Methyl Acetate
Concen: 0.649 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.02 min
Lab File: VN059104.D
Acq: 6 Nov 2019 13:56

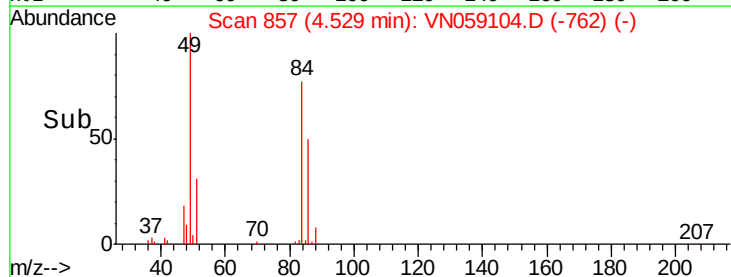
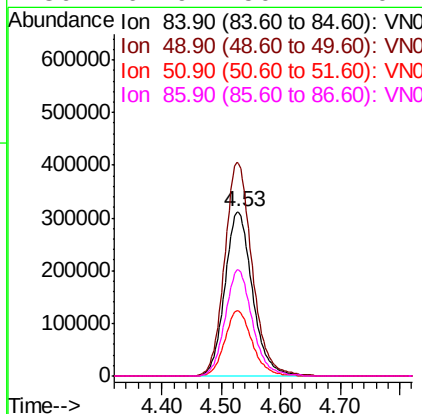
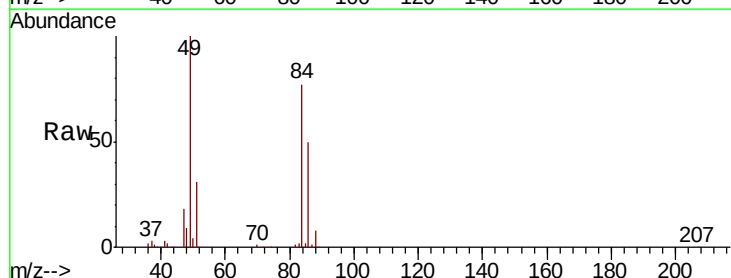
Instrument :
MSVOA_N
ClientSampleId :

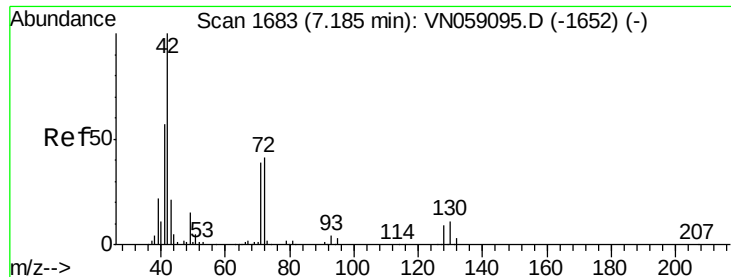
Tot Ion: 43 Resp: 4367
Ion Ratio Lower Upper
43 100
74 6.1 17.8 26.8#



#20
Methylene Chloride
Concen: 202.791 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059104.D
Acq: 6 Nov 2019 13:56

Tgt Ion: 84 Resp: 1002065
Ion Ratio Lower Upper
84 100
49 129.5 102.0 153.0
51 39.7 32.2 48.2
86 64.9 50.7 76.1

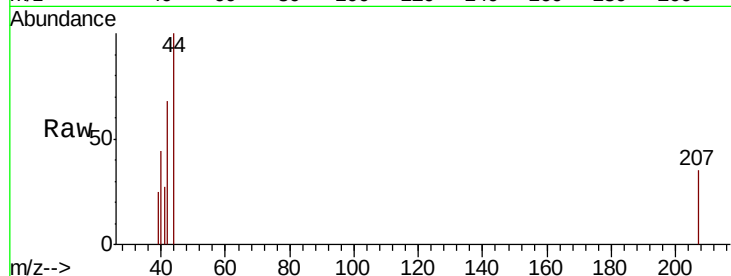




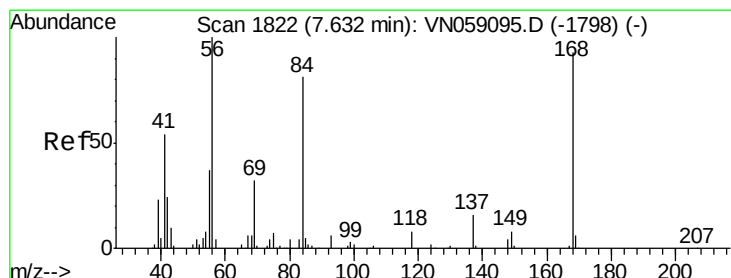
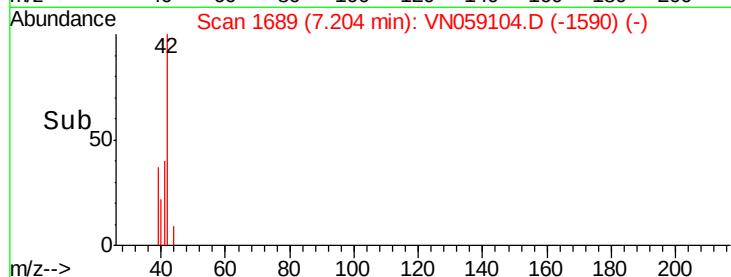
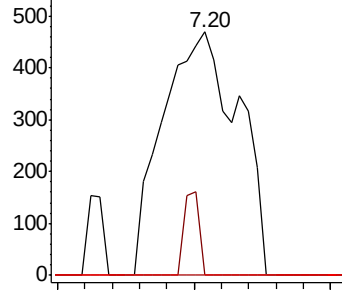
#29
Tetrahydrofuran
Concen: 0.381 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.02 min
Lab File: VN059104.D
Acq: 6 Nov 2019 13:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	6.7	33.1	49.7#
71	0.0	30.9	46.3#

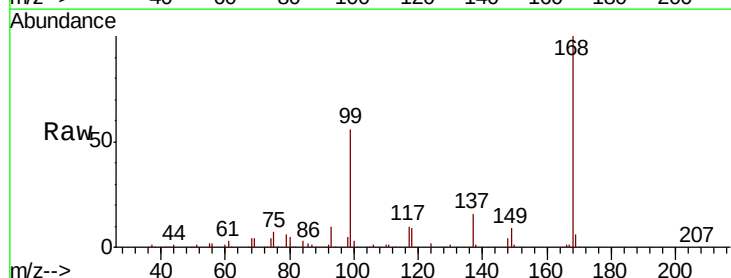


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

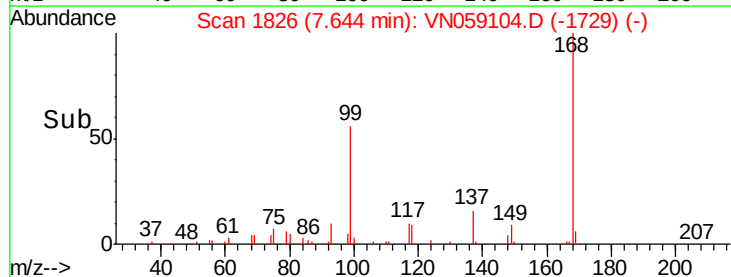
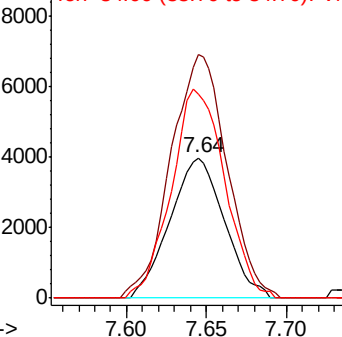


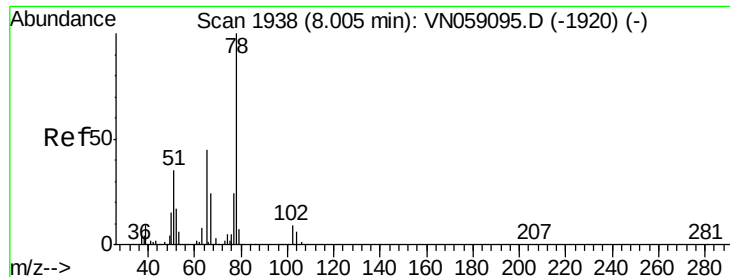
#31
Cyclohexane
Concen: 1.093 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059104.D
Acq: 6 Nov 2019 13:56

Tgt Ion	Ratio	Lower	Upper
56	100		
69	169.3	25.8	38.8#
84	145.7	65.0	97.4#



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

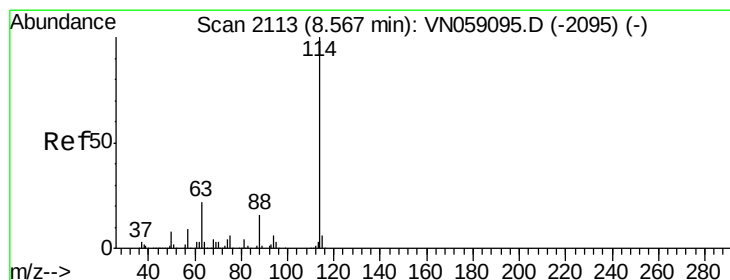
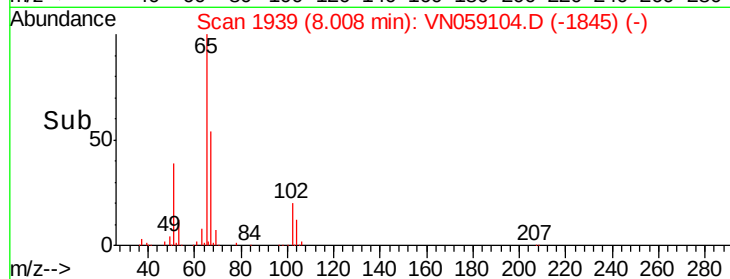
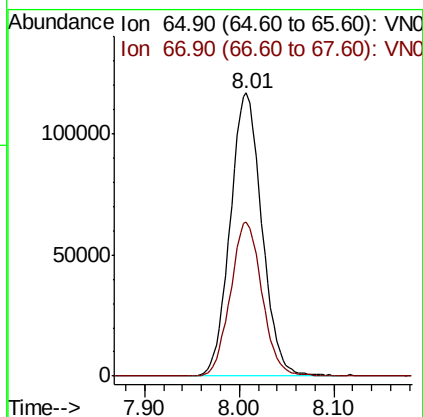
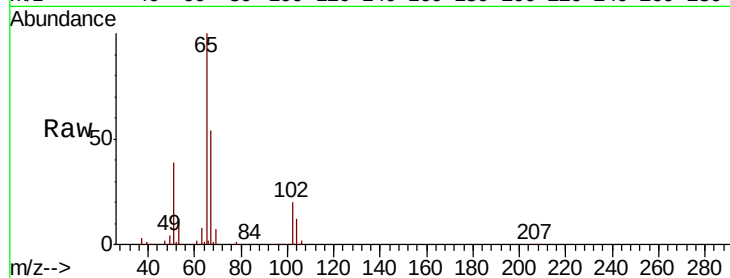




#33
 1,2-Dichloroethane-d4
 Concen: 49.931 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059104.D
 Acq: 6 Nov 2019 13:56

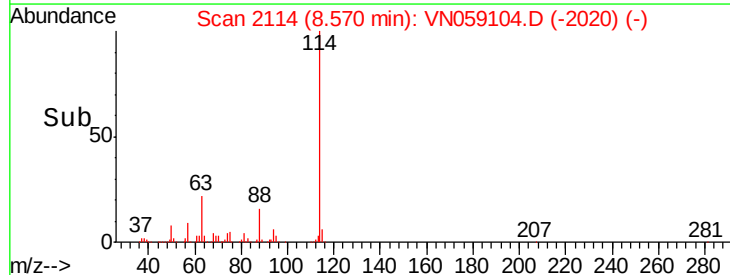
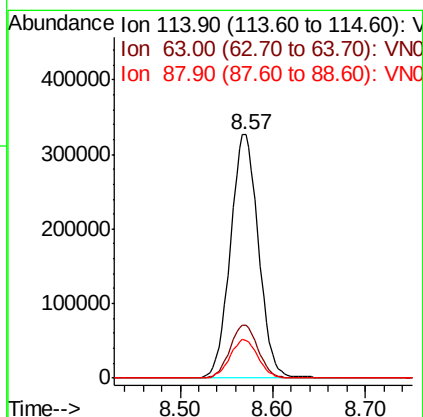
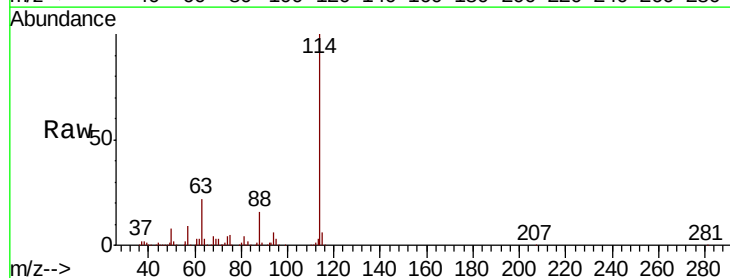
Instrument :
 MSVOA_N
 ClientSampled :

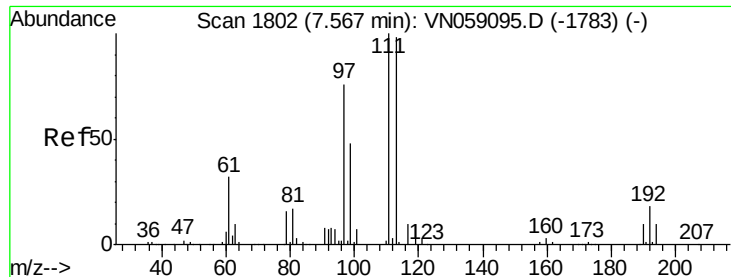
Tot Ion: 65 Resp: 272340
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059104.D
 Acq: 6 Nov 2019 13:56

Tgt Ion: 114 Resp: 686033
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.4
 88 15.7 0.0 32.2

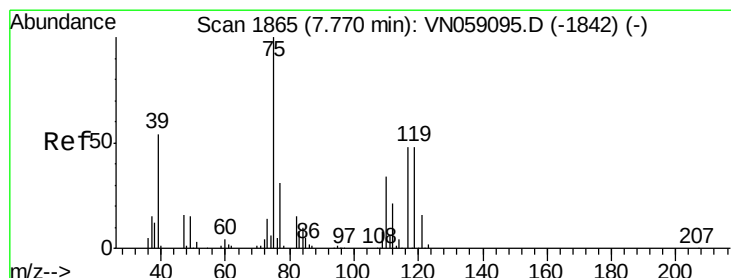
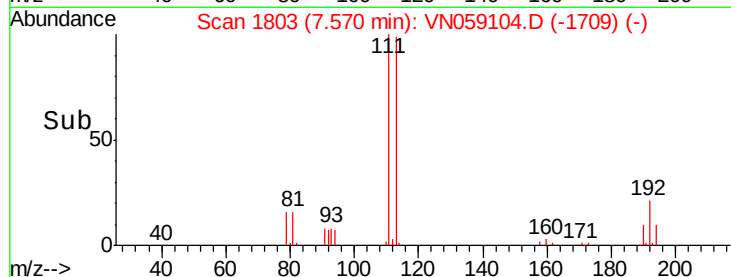
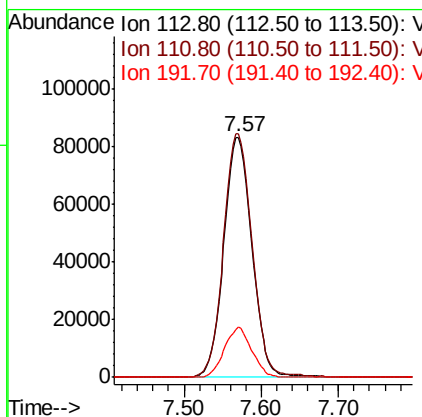
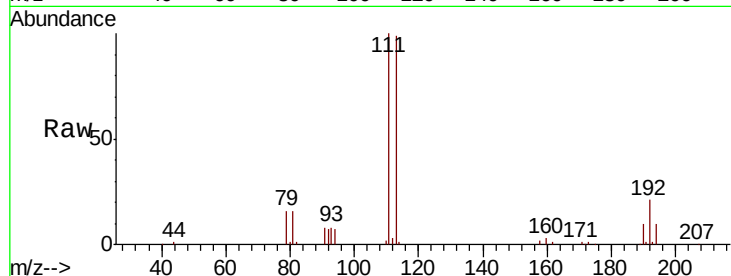




#35
 Dibromofluoromethane
 Concen: 51.321 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059104.D
 Acq: 6 Nov 2019 13:56

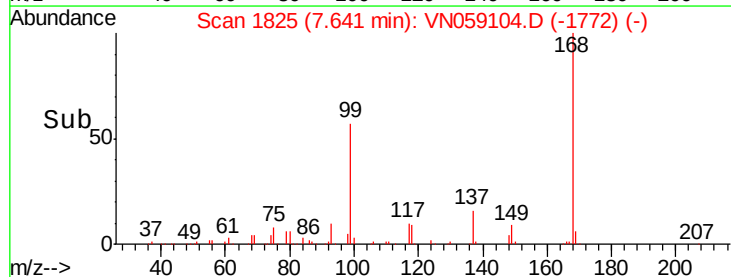
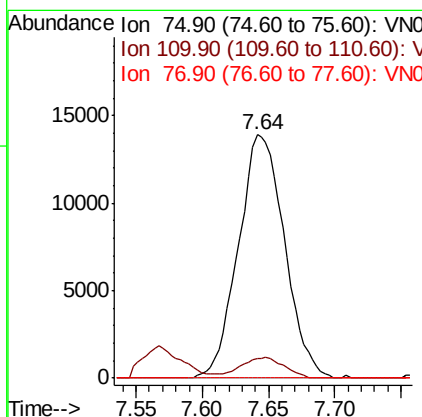
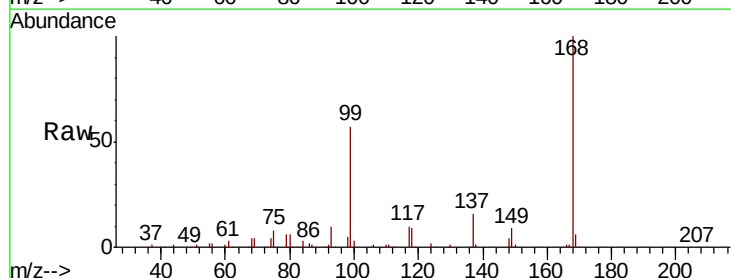
Instrument :
 MSVOA_N
 ClientSampleId :

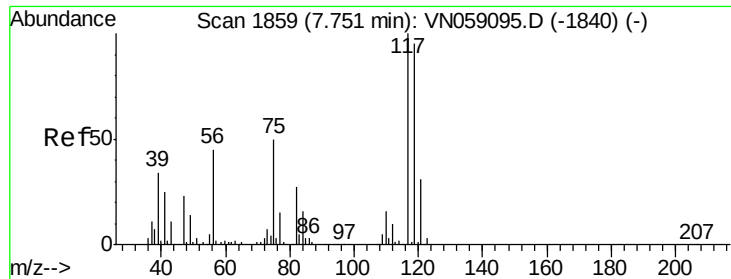
Tot Ion:113 Resp: 210227
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 20.1 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.229 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059104.D
 Acq: 6 Nov 2019 13:56

Tgt Ion: 75 Resp: 33531
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.1 51.2#
 77 0.0 24.8 37.2#

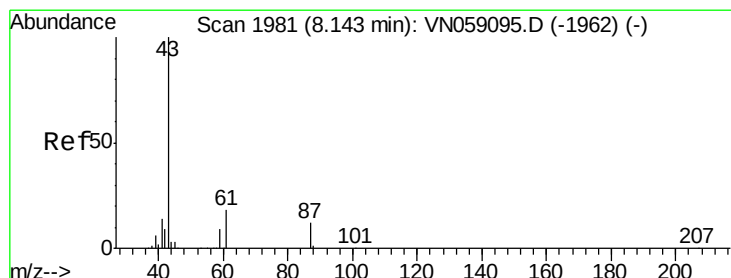
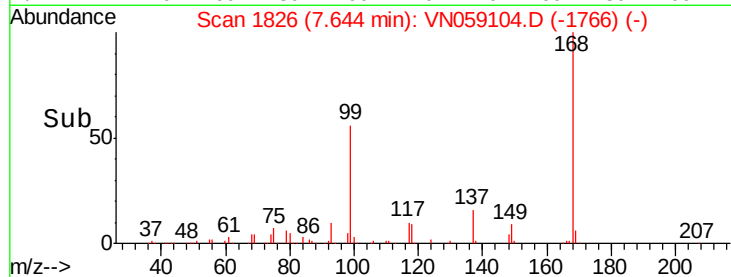
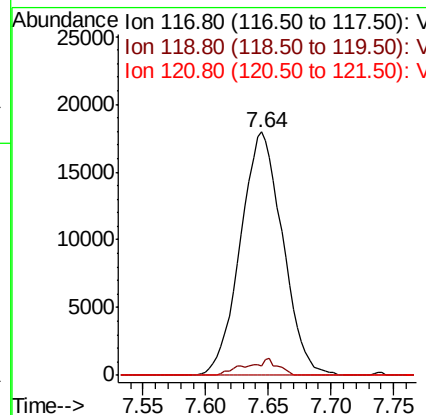
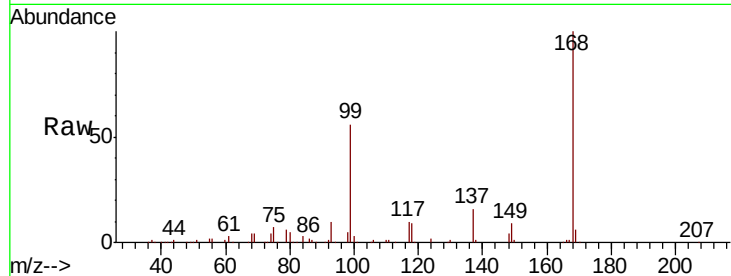




#38
Carbon Tetrachloride
Concen: 6.591 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059104.D
Acq: 6 Nov 2019 13:56

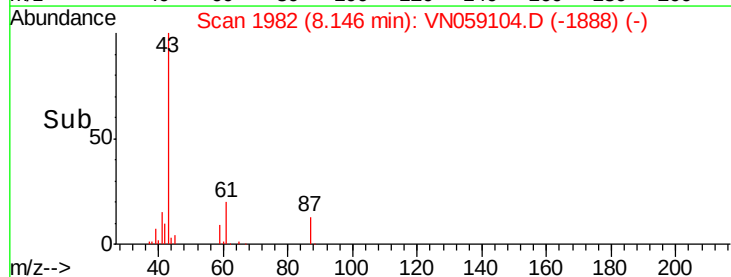
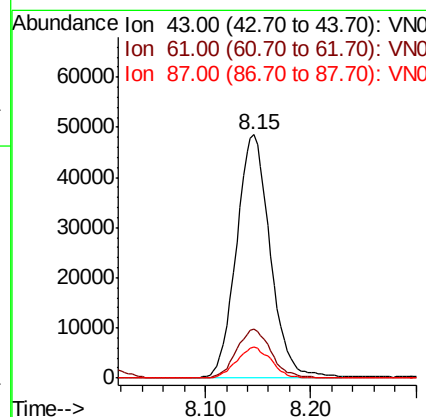
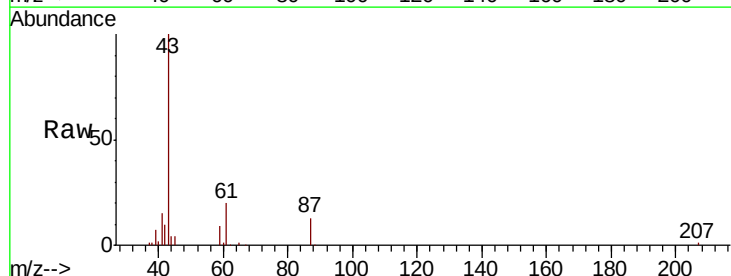
Instrument :
MSVOA_N
ClientSampled :

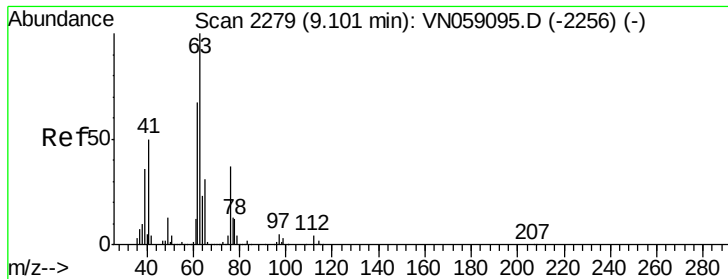
Tot Ion:117 Resp: 42068
Ion Ratio Lower Upper
117 100
119 3.8 75.6 113.4#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 9.516 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059104.D
Acq: 6 Nov 2019 13:56

Tgt Ion: 43 Resp: 108226
Ion Ratio Lower Upper
43 100
61 20.4 21.0 31.6#
87 12.7 9.8 14.6





#45

1,2-Dichloropropane

Concen: 0.443 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

Instrument :

MSVOA_N

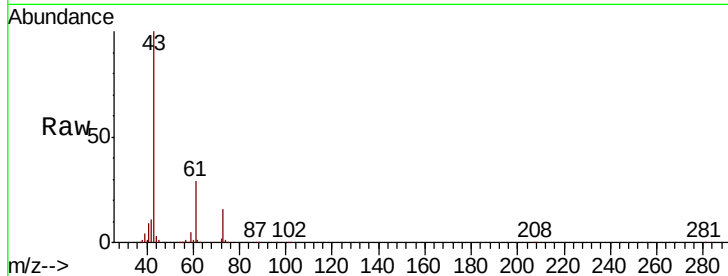
ClientSampleId :

Tot Ion: 63 Resp: 2324

Ion Ratio Lower Upper

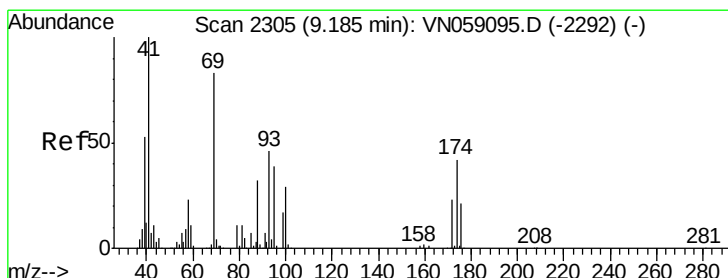
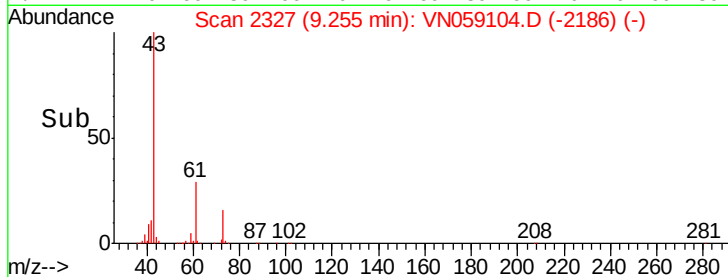
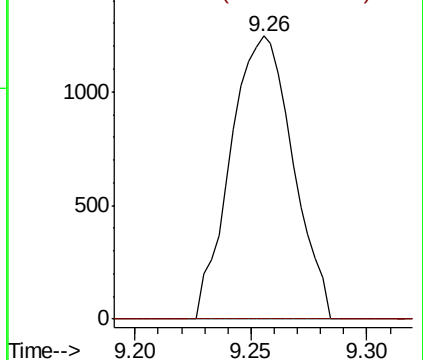
63 100

65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#48

Methyl methacrylate

Concen: 1.248 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.02 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

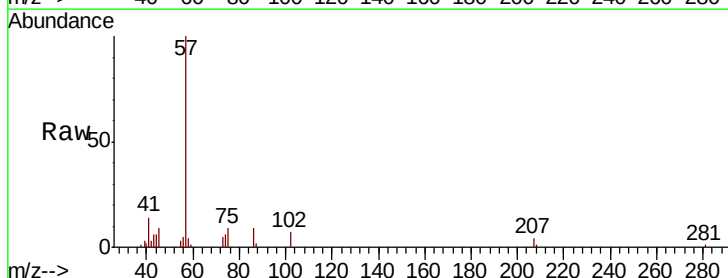
Tgt Ion: 41 Resp: 6351

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

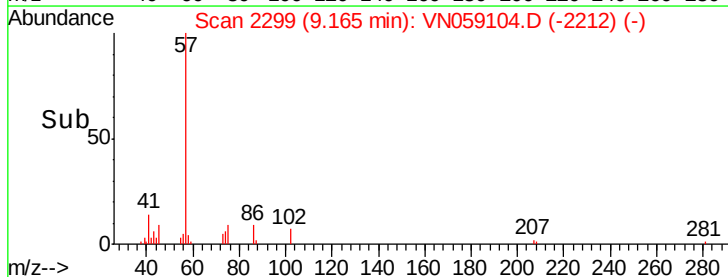
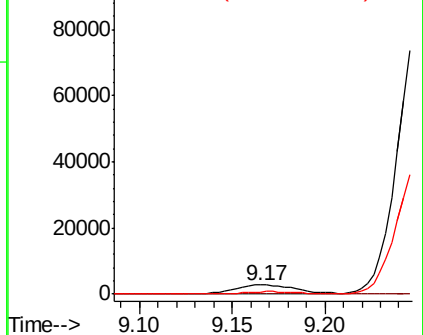
39 0.0 43.3 64.9#

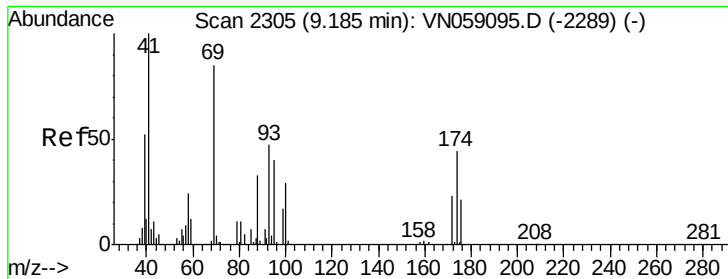


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#49

1,4-Dioxane

Concen: 1.560 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.07 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

Instrument :
MSVOA_N
ClientSampled :

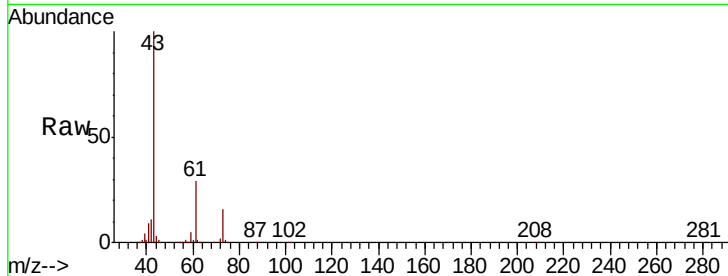
Tot Ion: 88 Resp: 141

Ion Ratio Lower Upper

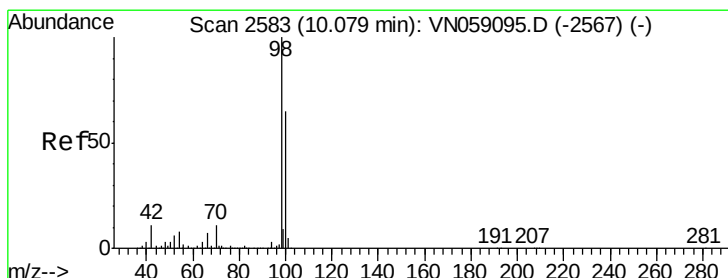
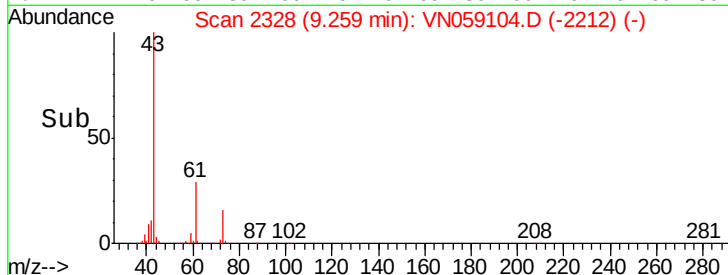
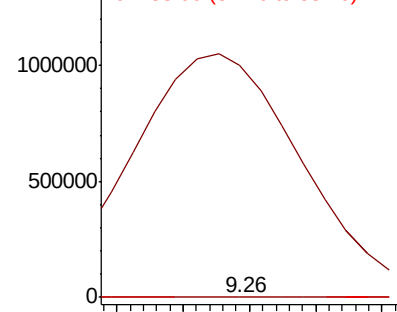
88 100

43 1396266.7 26.3 39.5#

58 6294.3 60.6 90.8#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



#50

Toluene-d8

Concen: 52.090 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059104.D

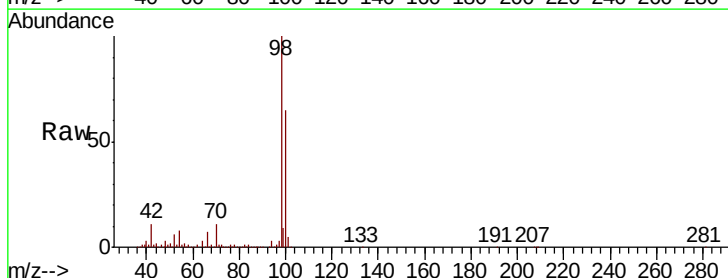
Acq: 6 Nov 2019 13:56

Tgt Ion: 98 Resp: 840460

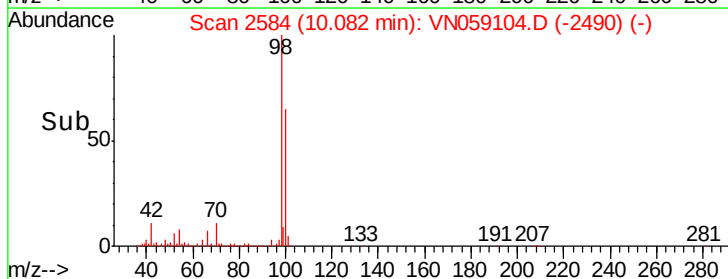
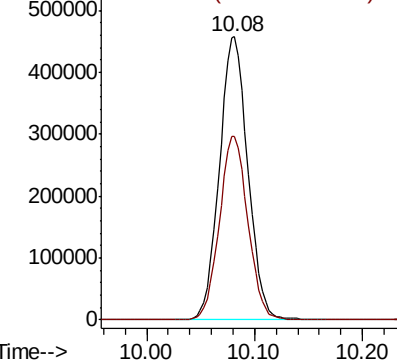
Ion Ratio Lower Upper

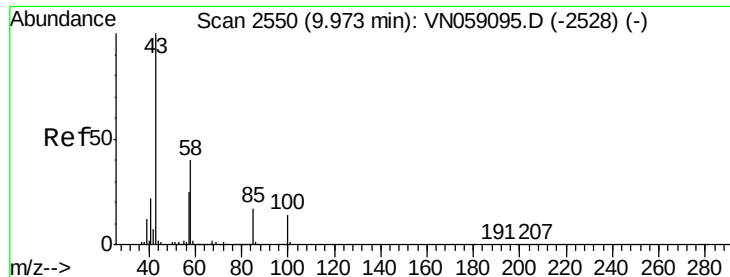
98 100

100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO

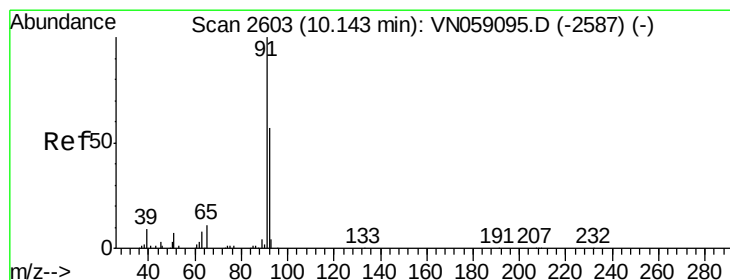
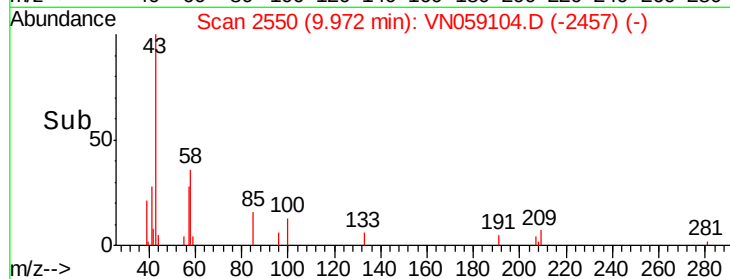
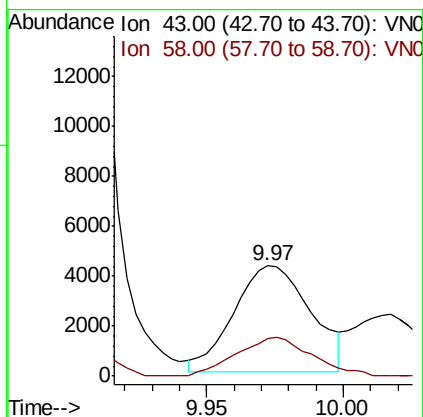
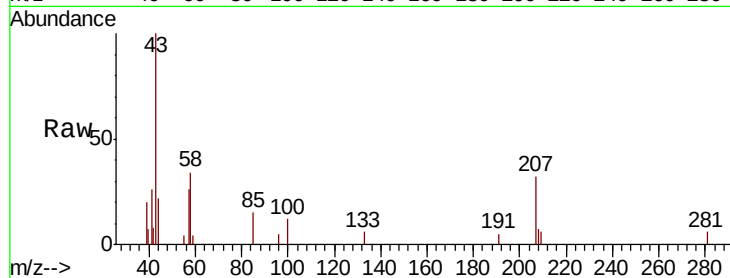




#51
 4-Methyl-2-Pentanone
 Concen: 1.291 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059104.D
 Acq: 6 Nov 2019 13:56

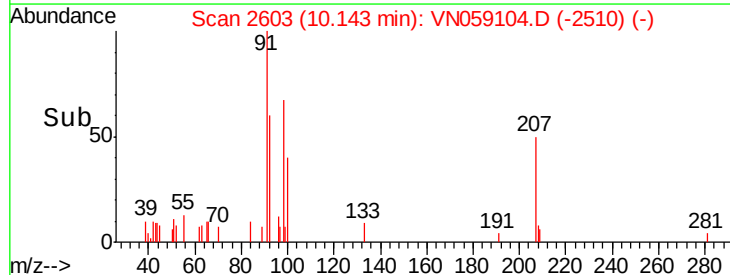
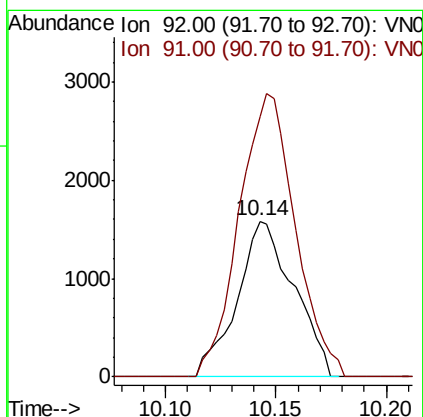
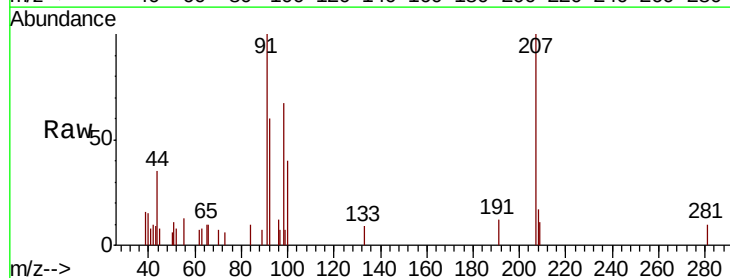
Instrument :
 MSVOA_N
 ClientSampleId :

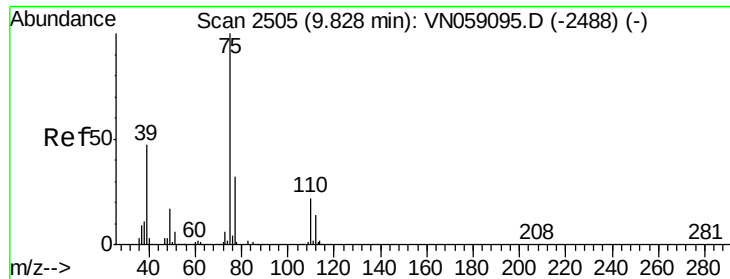
Tot Ion: 43 Resp: 8305
 Ion Ratio Lower Upper
 43 100
 58 36.1 31.5 47.3



#52
 Toluene
 Concen: 0.244 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059104.D
 Acq: 6 Nov 2019 13:56

Tgt Ion: 92 Resp: 2822
 Ion Ratio Lower Upper
 92 100
 91 180.2 139.5 209.3





#54

cis-1,3-Dichloropropene

Concen: 5.534 ug/l

RT: 9.90 min Scan# 2526

Delta R.T. 0.07 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

Instrument :

MSVOA_N

ClientSampleId :

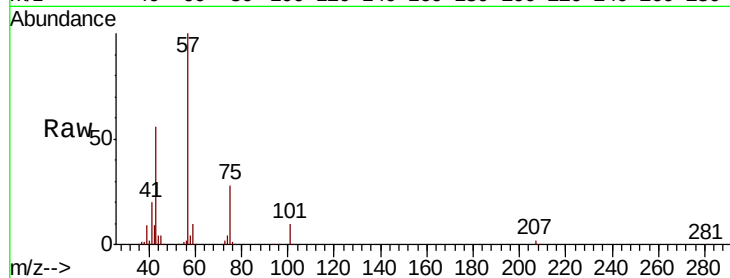
Tot Ion: 75 Resp: 44882

Ion Ratio Lower Upper

75 100

77 0.7 25.5 38.3#

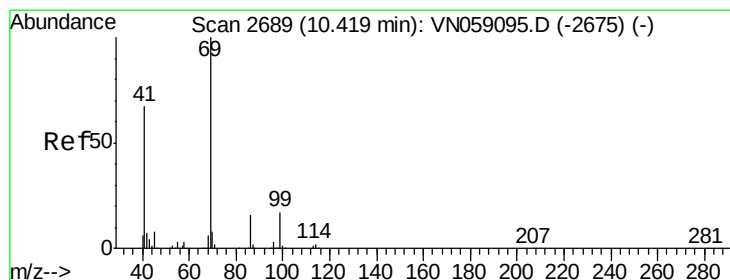
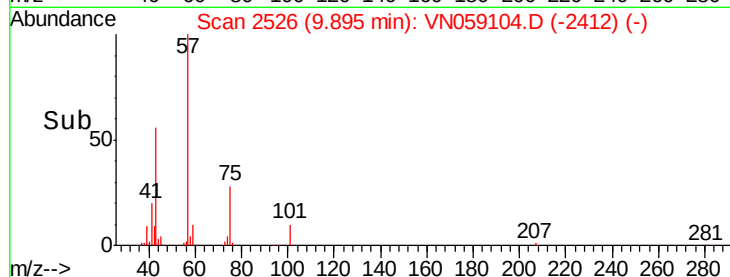
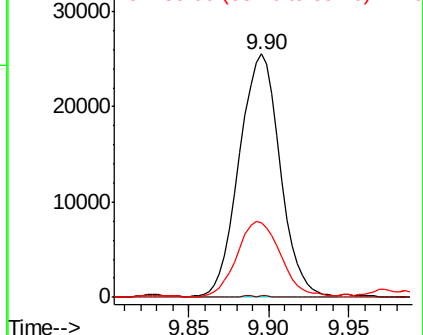
39 30.8 37.3 55.9#



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



#56

Ethyl methacrylate

Concen: 1.896 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

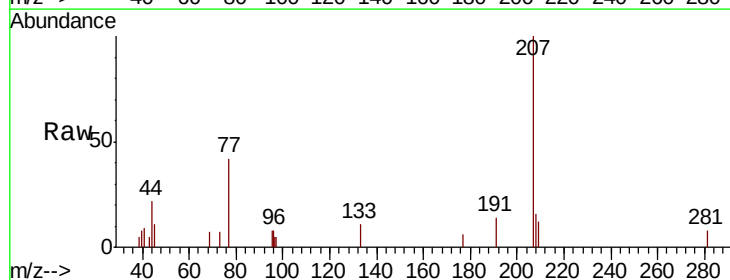
Tgt Ion: 69 Resp: 188

Ion Ratio Lower Upper

69 100

41 0.0 53.6 80.4#

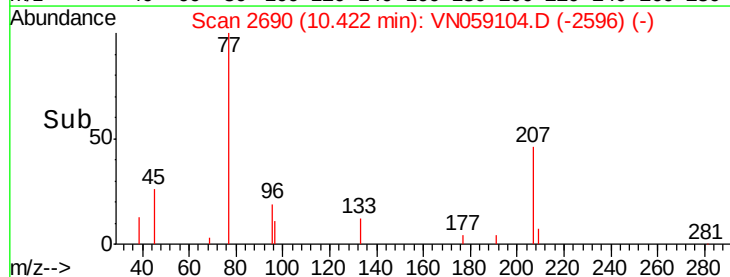
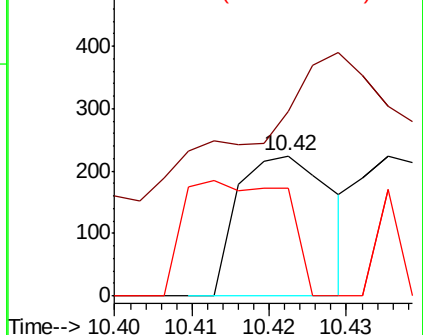
39 0.0 26.2 39.4#

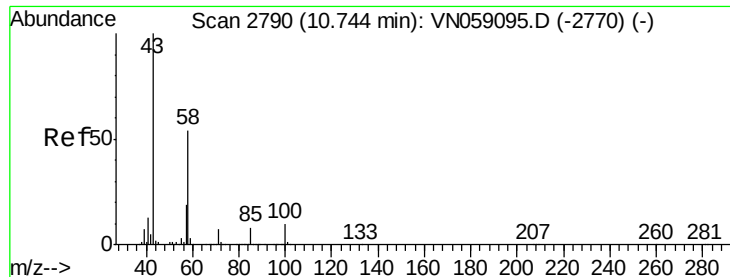


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

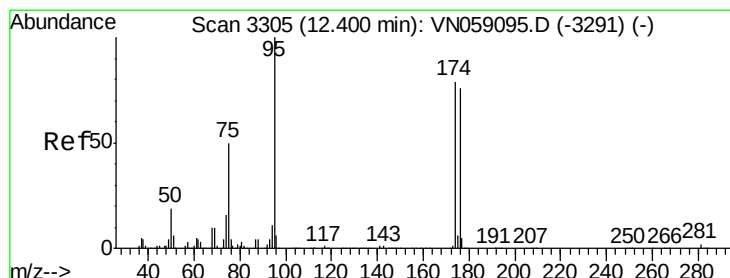
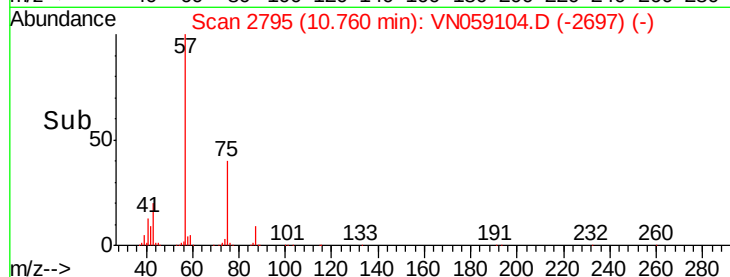
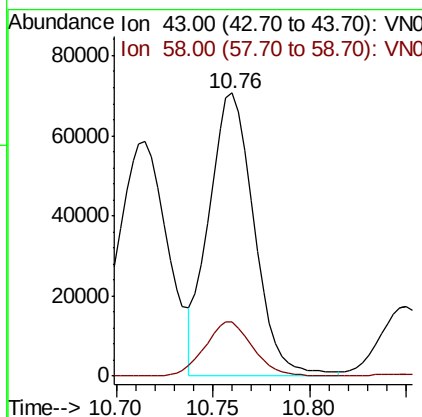
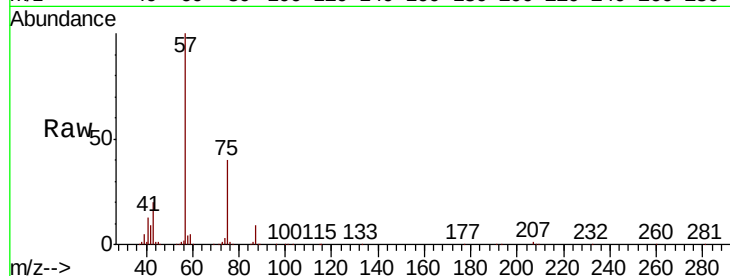




#59
2-Hexanone
Concen: 23.230 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.02 min
Lab File: VN059104.D
Acq: 6 Nov 2019 13:56

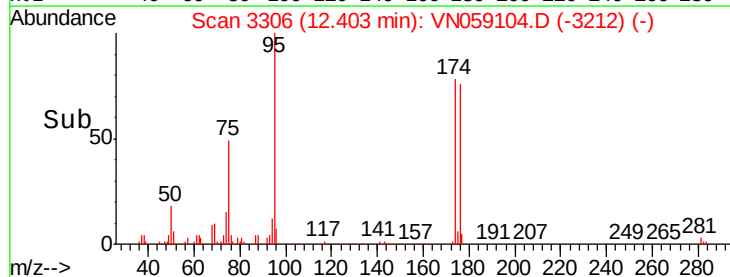
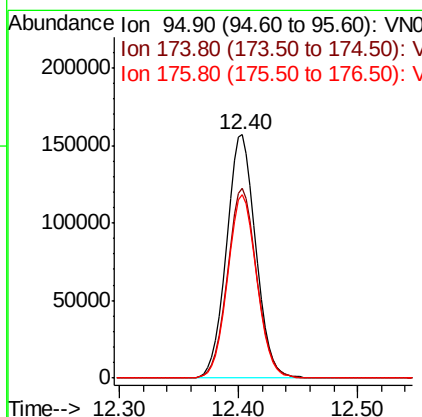
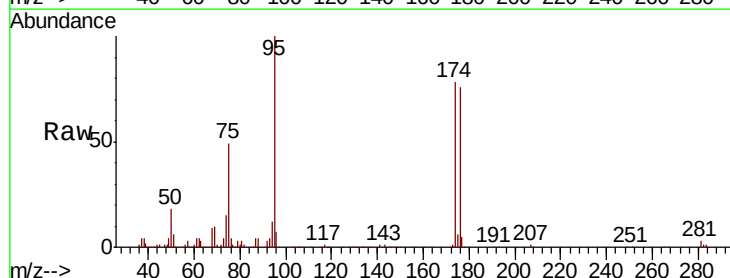
Instrument :
MSVOA_N
ClientSampled :

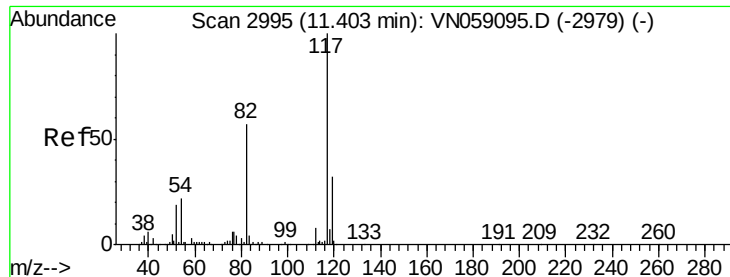
Tot Ion: 43 Resp: 114737
Ion Ratio Lower Upper
43 100
58 20.4 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 45.901 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059104.D
Acq: 6 Nov 2019 13:56

Tgt Ion: 95 Resp: 267036
Ion Ratio Lower Upper
95 100
174 78.4 0.0 158.2
176 75.1 0.0 151.8

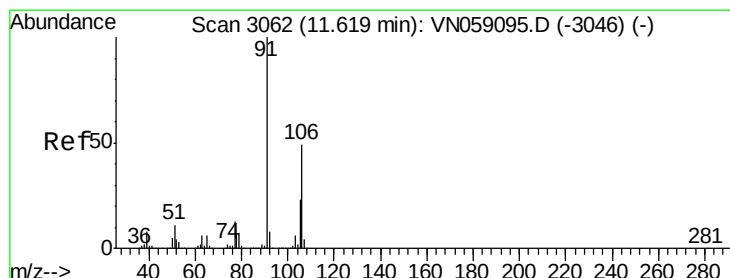
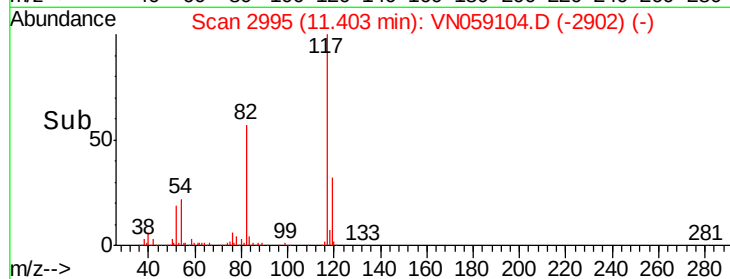
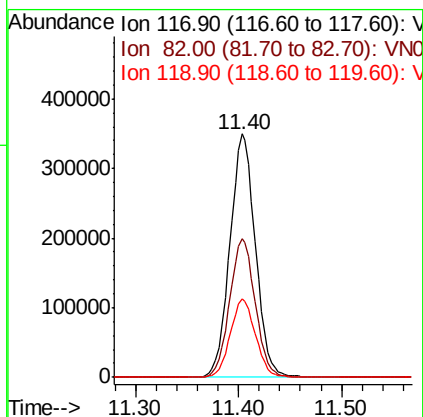
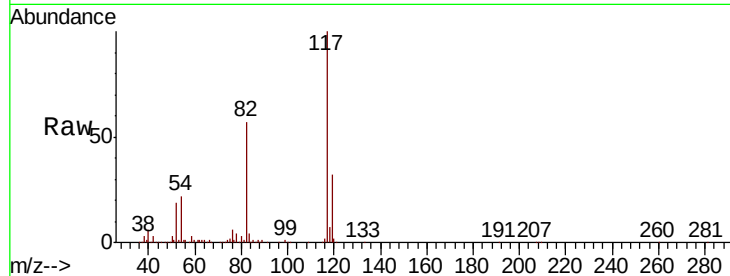




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059104.D
Acq: 6 Nov 2019 13:56

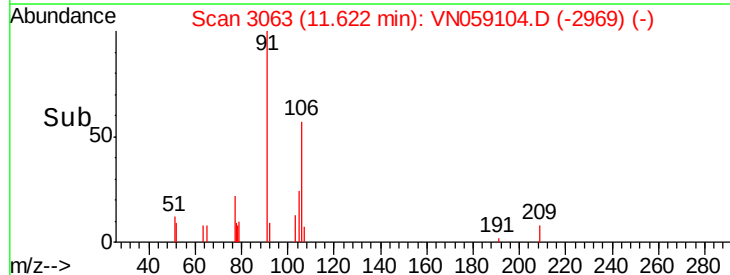
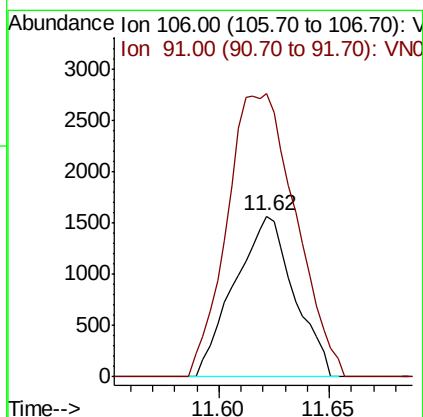
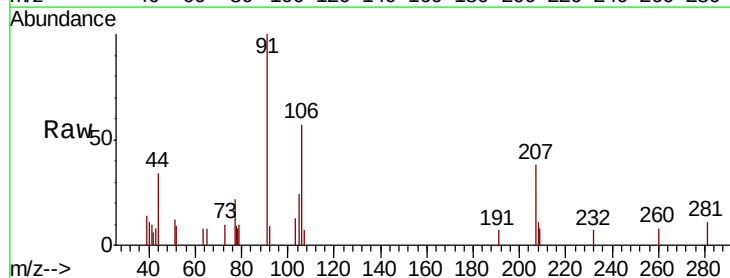
Instrument :
MSVOA_N
ClientSampleId :

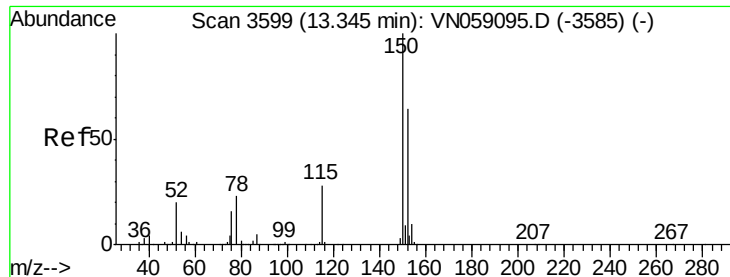
Tot Ion:117 Resp: 602171
Ion Ratio Lower Upper
117 100
82 56.9 45.8 68.8
119 32.1 25.8 38.6



#68
m/p-Xylenes
Concen: 0.377 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN059104.D
Acq: 6 Nov 2019 13:56

Tgt Ion:106 Resp: 2940
Ion Ratio Lower Upper
106 100
91 203.1 164.7 247.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

Instrument :

MSVOA_N

ClientSampleId :

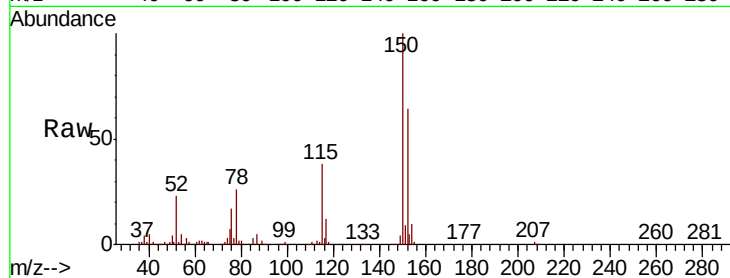
Tot Ion:152 Resp: 215359

Ion Ratio Lower Upper

152 100

115 59.5 29.4 88.2

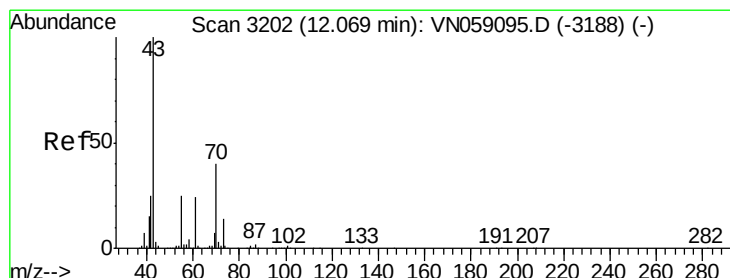
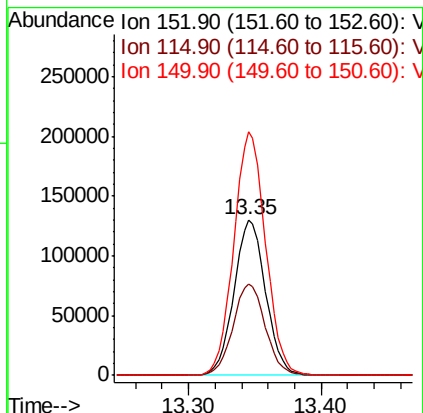
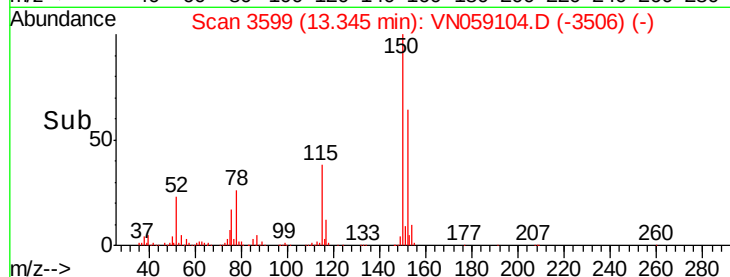
150 157.0 0.0 345.8



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



#74

N-ethyl acetate

Concen: 0.501 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

Tgt Ion: 43 Resp: 3326

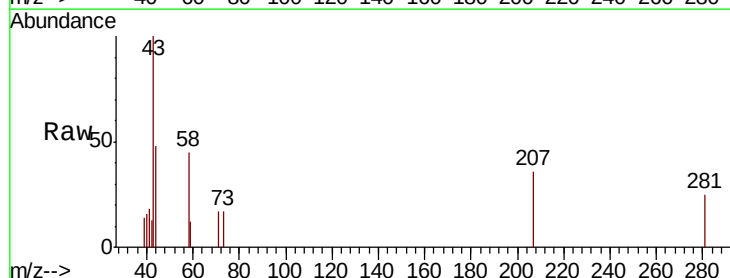
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.4#

55 4.2 20.4 30.6#

61 0.0 19.3 28.9#

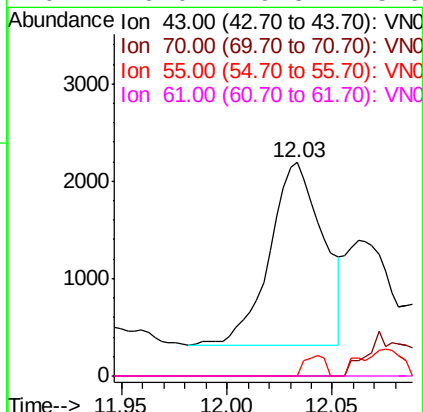
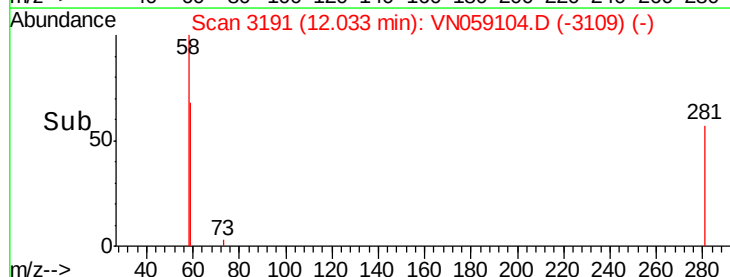


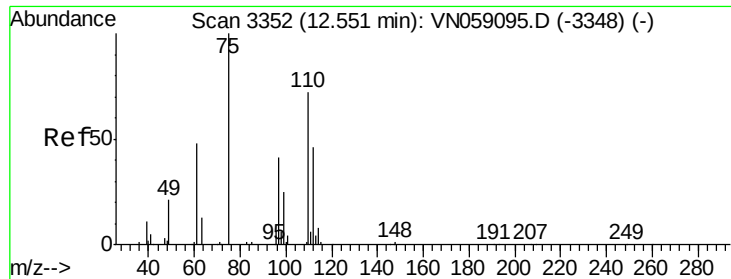
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 27.096 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

Instrument :

MSVOA_N

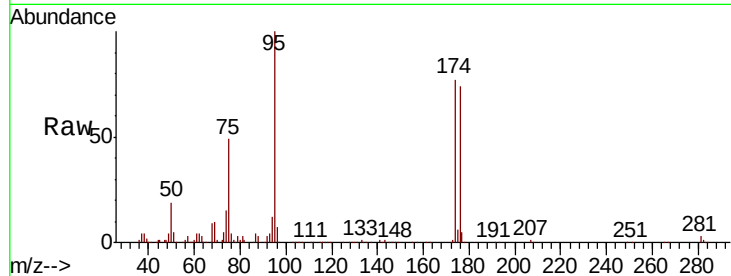
ClientSampled :

Tot Ion: 75 Resp: 132854

Ion Ratio Lower Upper

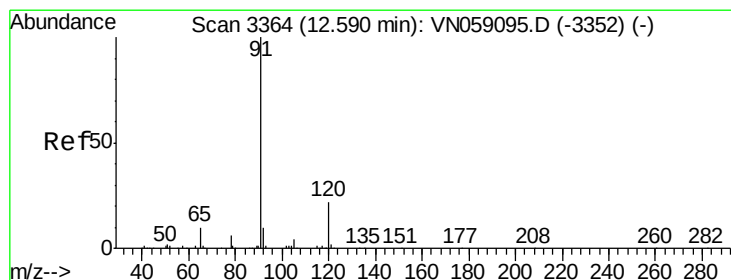
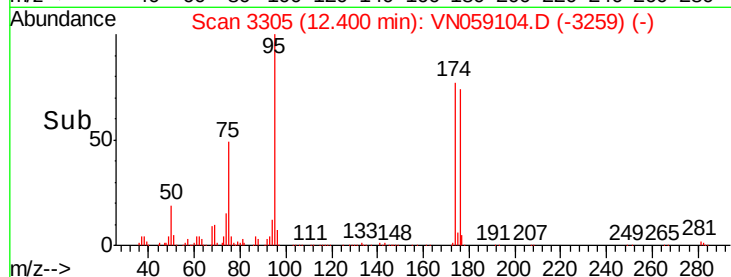
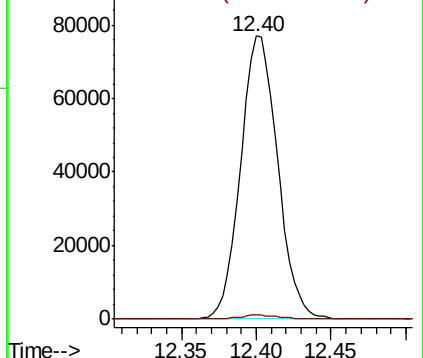
75 100

77 1.5 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: 0.204 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.01 min

Lab File: VN059104.D

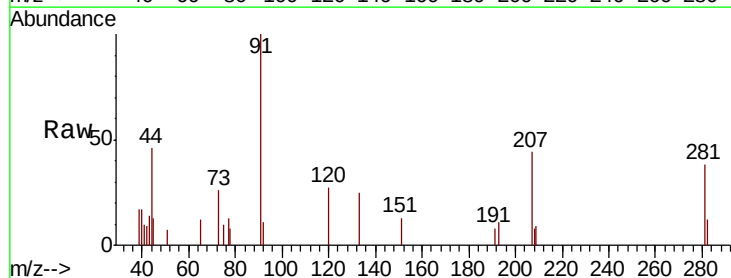
Acq: 6 Nov 2019 13:56

Tgt Ion: 91 Resp: 3660

Ion Ratio Lower Upper

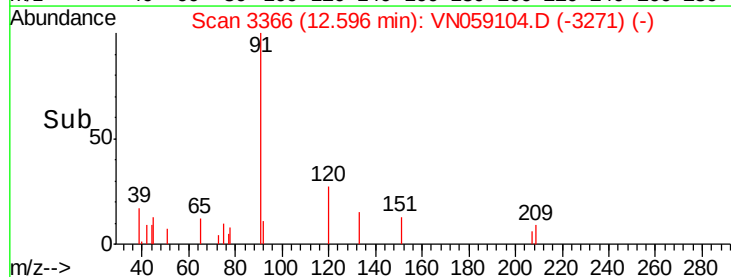
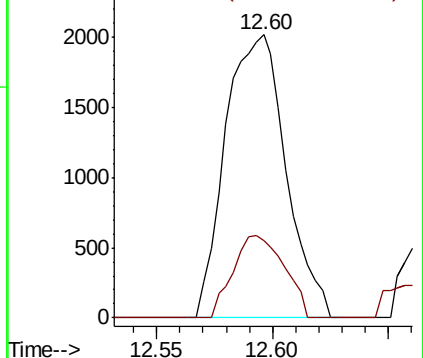
91 100

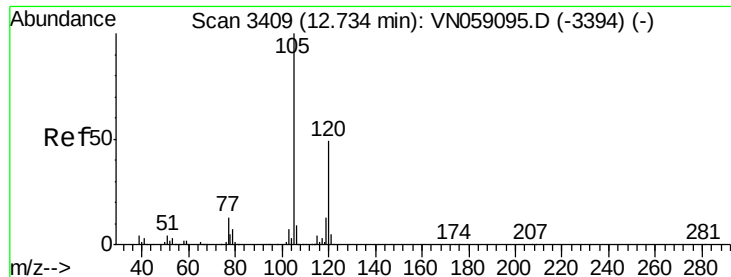
120 24.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.463 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

Instrument :

MSVOA_N

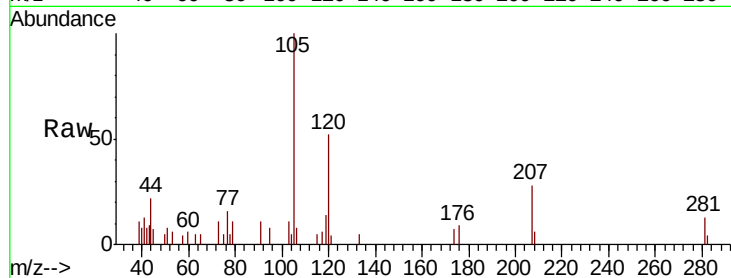
ClientSampled :

Tot Ion:105 Resp: 6146

Ion Ratio Lower Upper

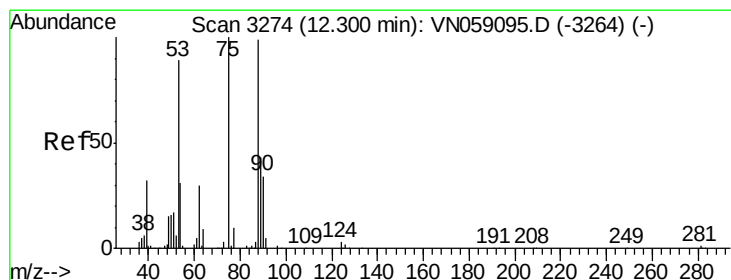
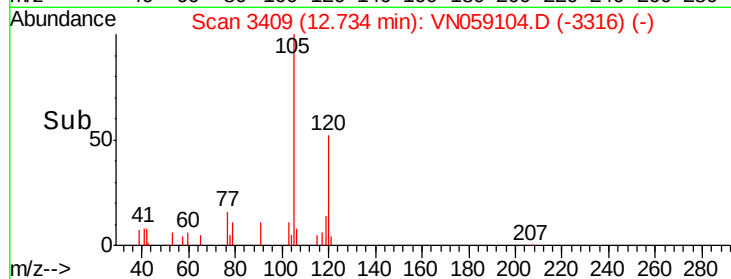
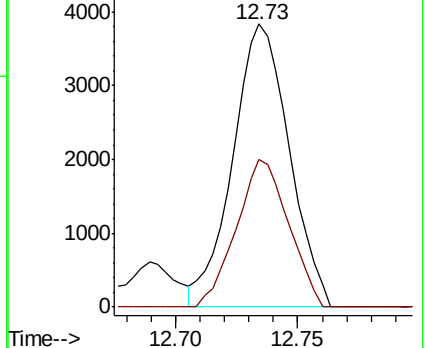
105 100

120 48.1 24.0 72.0



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: 71.569 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

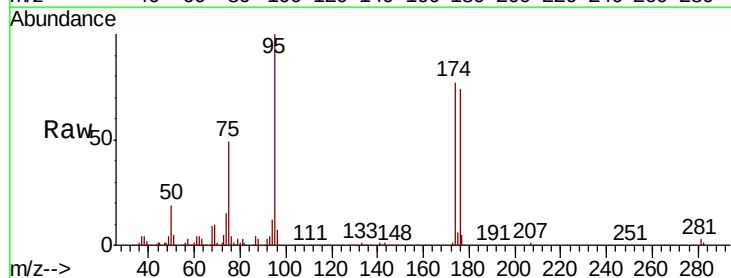
Tgt Ion: 75 Resp: 132854

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

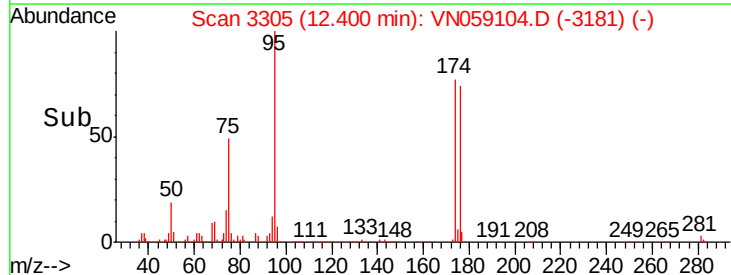
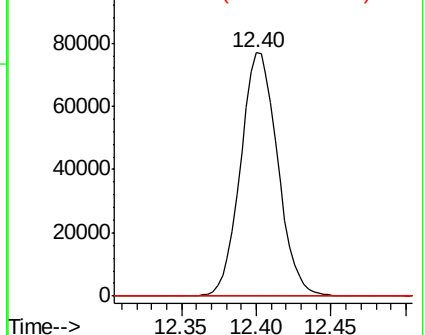
89 0.0 35.8 53.8#

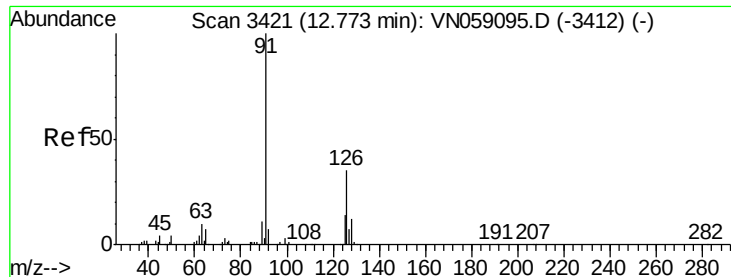


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.233 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.01 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

Instrument :

MSVOA_N

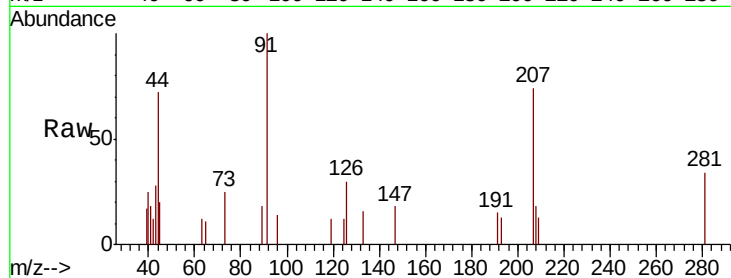
ClientSampled :

Tot Ion: 91 Resp: 2596

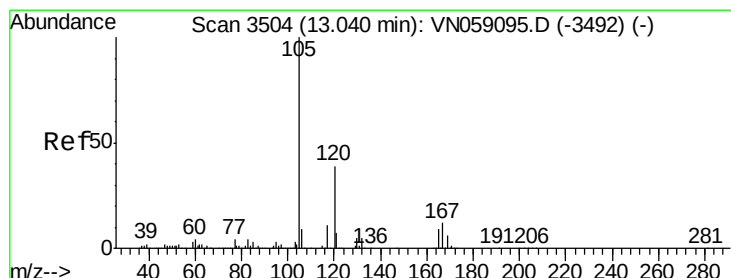
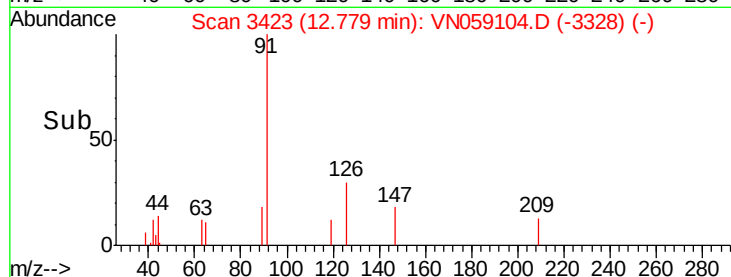
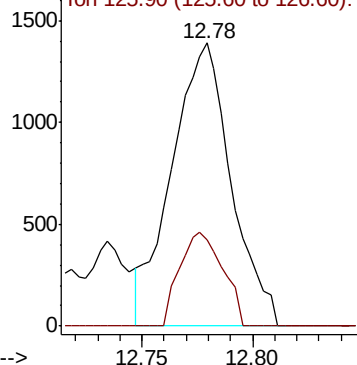
Ion Ratio Lower Upper

91 100

126 24.0 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN059104.D (-3421) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.436 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059104.D

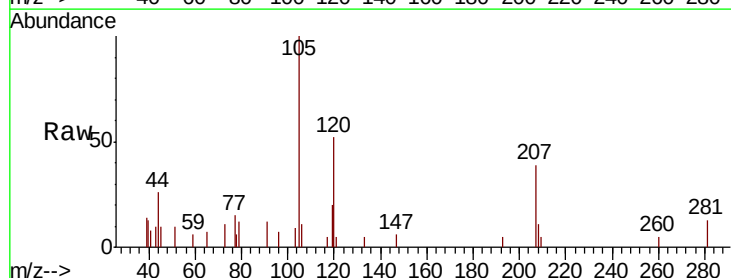
Acq: 6 Nov 2019 13:56

Tgt Ion: 105 Resp: 5603

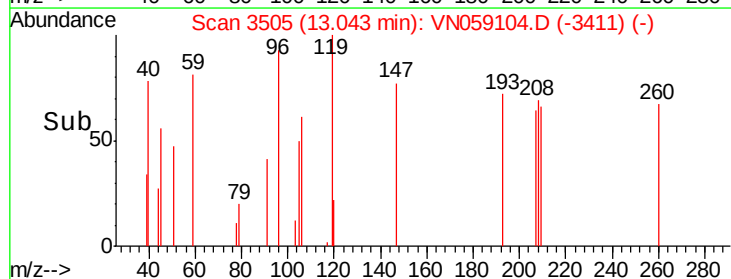
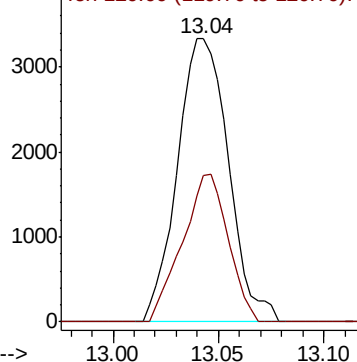
Ion Ratio Lower Upper

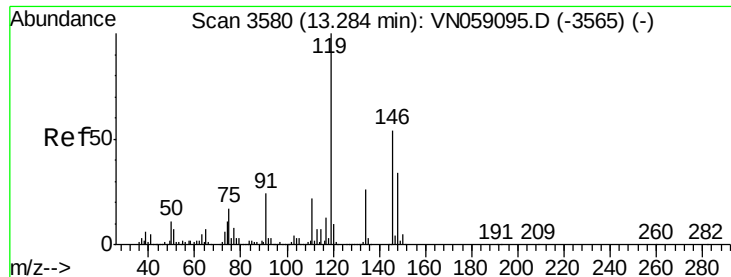
105 100

120 46.7 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): VN059104.D (-3504) (-)

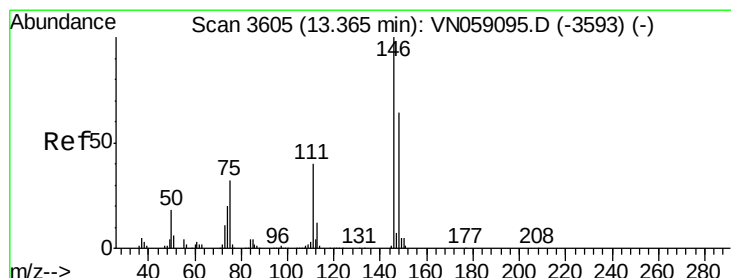
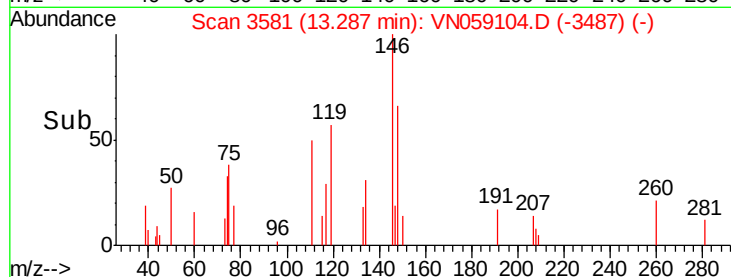
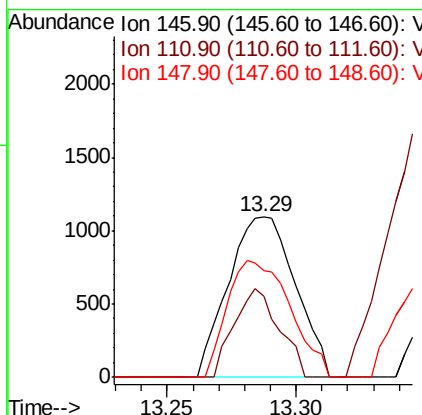
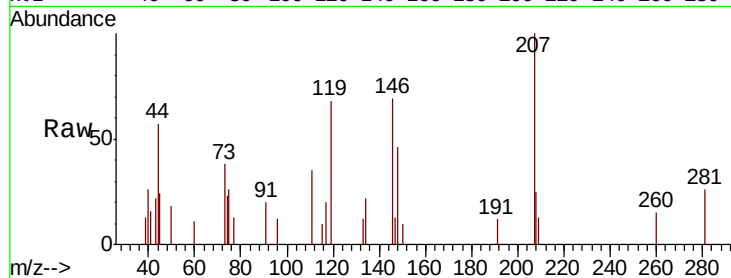




#87
 1,3-Dichlorobenzene
 Concen: 0.294 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059104.D
 Acq: 6 Nov 2019 13:56

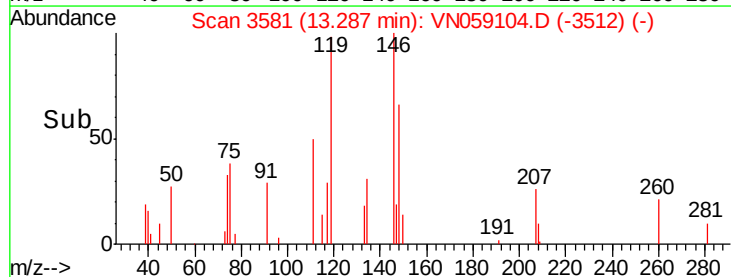
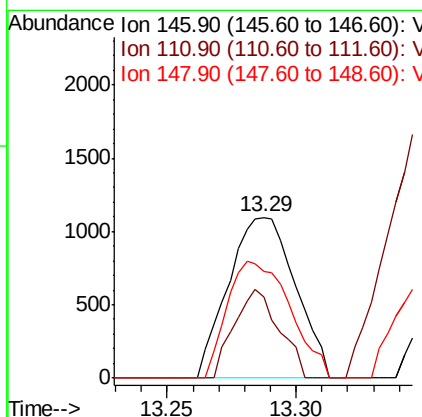
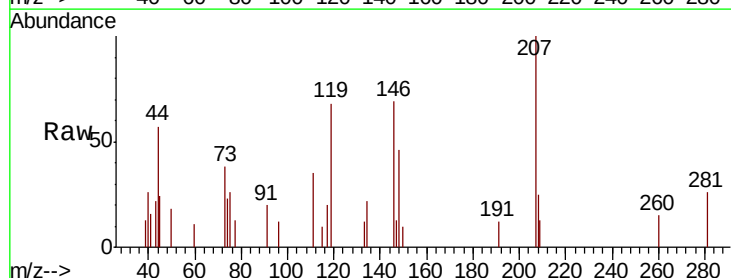
Instrument :
 MSVOA_N
 ClientSampled :

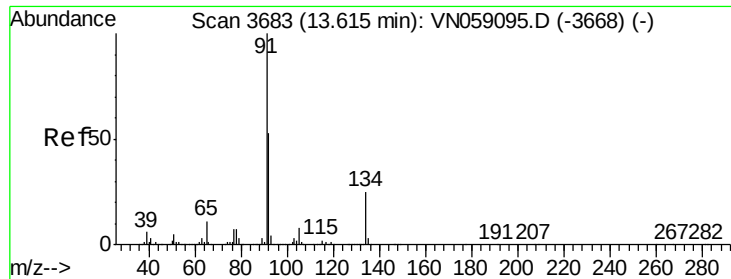
Tot Ion:146 Resp: 1979
 Ion Ratio Lower Upper
 146 100
 111 37.1 20.4 61.3
 148 68.3 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 0.293 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.08 min
 Lab File: VN059104.D
 Acq: 6 Nov 2019 13:56

Tgt Ion:146 Resp: 1979
 Ion Ratio Lower Upper
 146 100
 111 37.1 20.3 60.9
 148 68.3 31.9 95.7

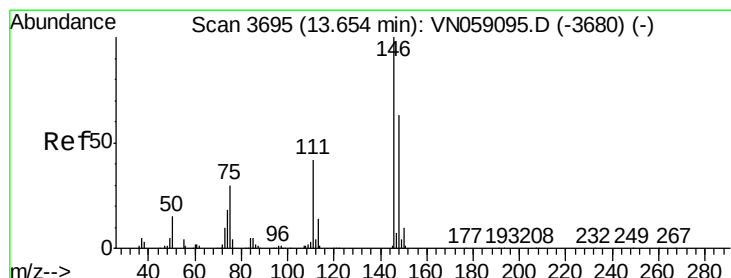
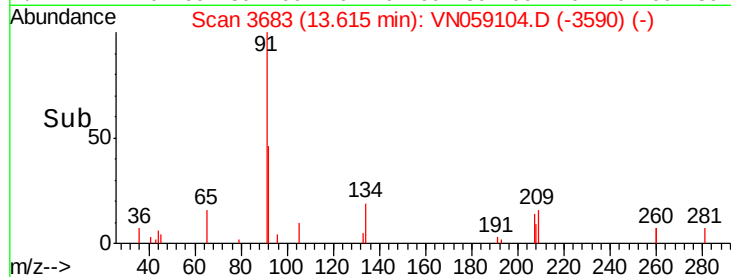
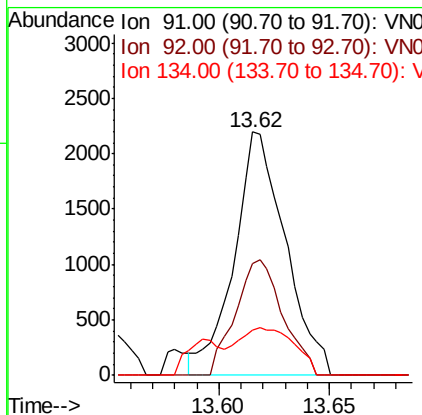
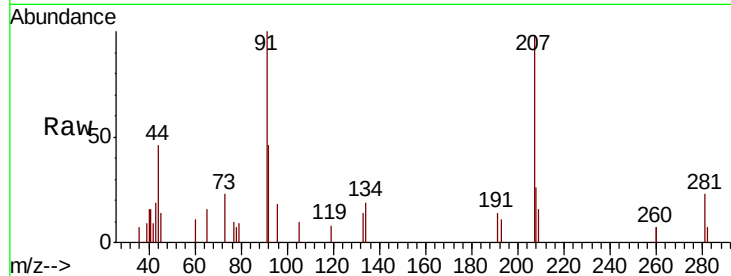




#89
n-Butylbenzene
Concen: 0.309 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059104.D
Acq: 6 Nov 2019 13:56

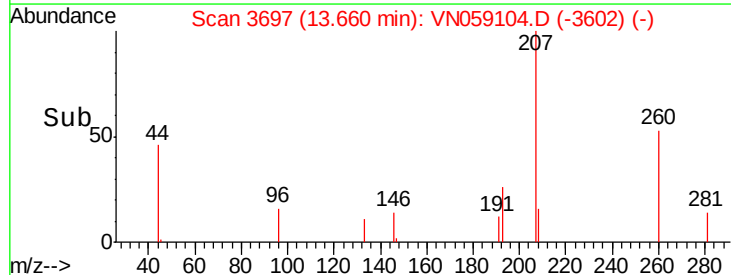
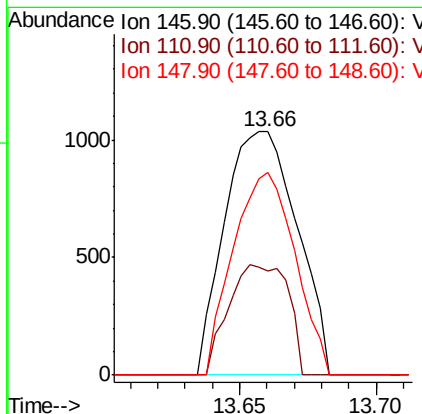
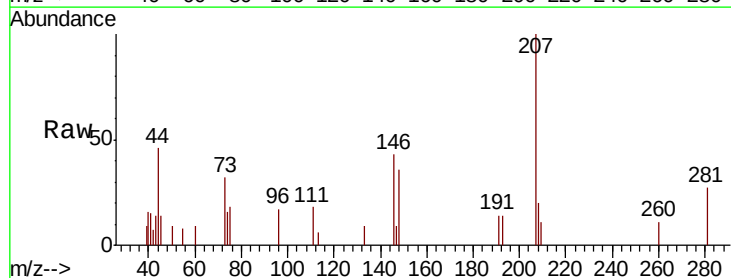
Instrument :
MSVOA_N
ClientSampled :

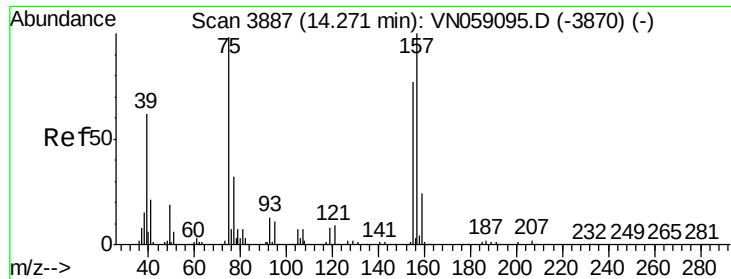
Tot Ion: 91 Resp: 3558
Ion Ratio Lower Upper
91 100
92 43.8 26.1 78.3
134 21.6 12.6 37.8



#91
1,2-Dichlorobenzene
Concen: 0.289 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. 0.01 min
Lab File: VN059104.D
Acq: 6 Nov 2019 13:56

Tgt Ion: 146 Resp: 1917
Ion Ratio Lower Upper
146 100
111 36.9 21.2 63.6
148 70.7 31.6 94.7

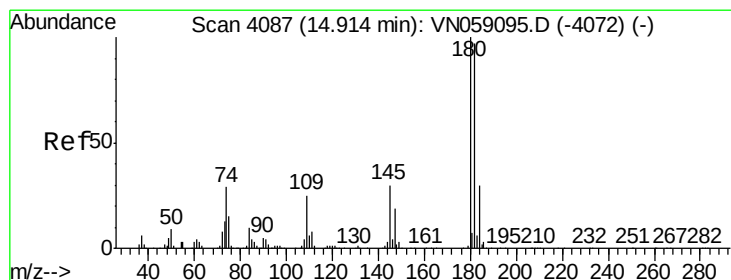
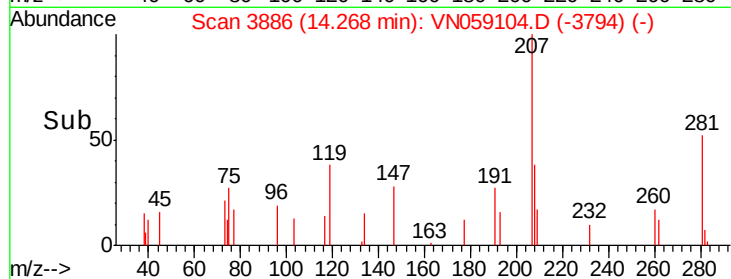
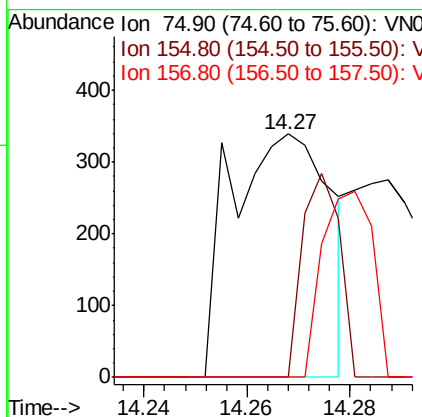
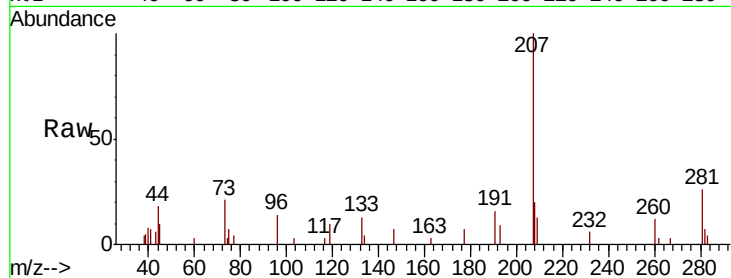




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.451 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059104.D
 Acq: 6 Nov 2019 13:56

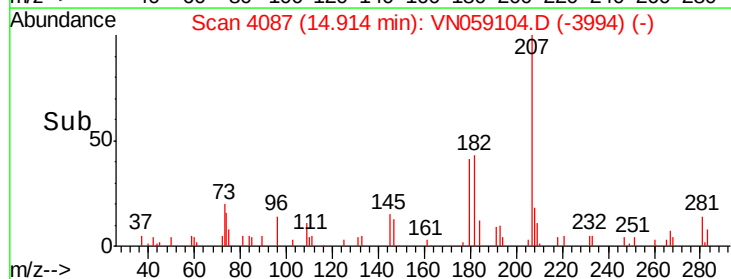
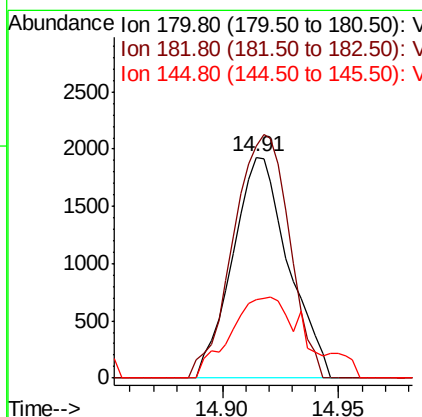
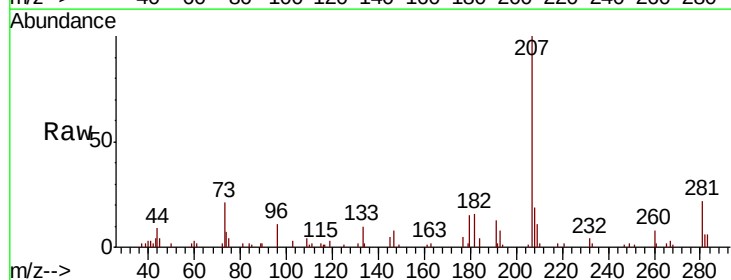
Instrument :
 MSVOA_N
 ClientSampled :

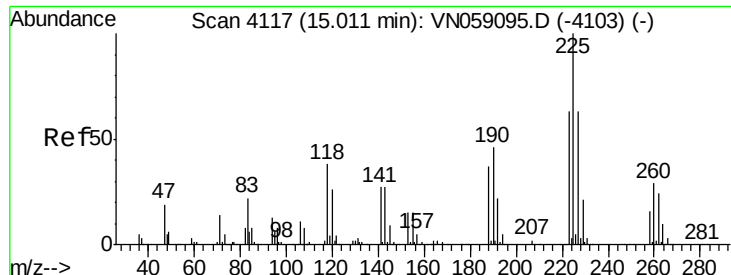
Tot Ion: 75 Resp: 452
 Ion Ratio Lower Upper
 75 100
 155 31.4 40.2 120.6#
 157 38.7 51.8 155.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.801 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059104.D
 Acq: 6 Nov 2019 13:56

Tgt Ion: 180 Resp: 3233
 Ion Ratio Lower Upper
 180 100
 182 110.3 48.1 144.3
 145 49.8 15.1 45.3#





#94

Hexachlorobutadiene

Concen: 0.464 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

Instrument :

MSVOA_N

ClientSampled :

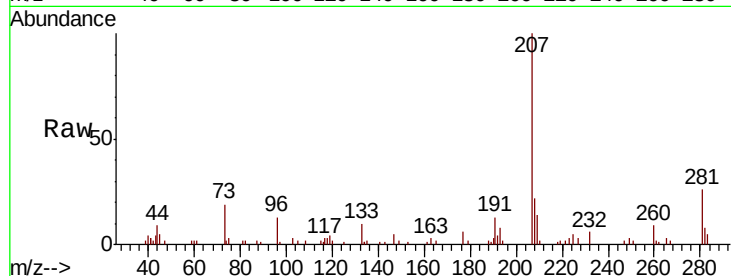
Tot Ion:225 Resp: 1060

Ion Ratio Lower Upper

225 100

223 65.8 31.3 93.9

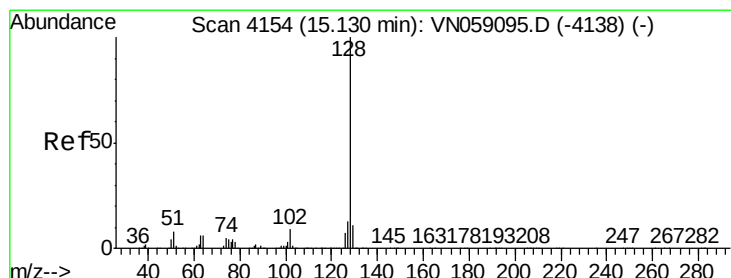
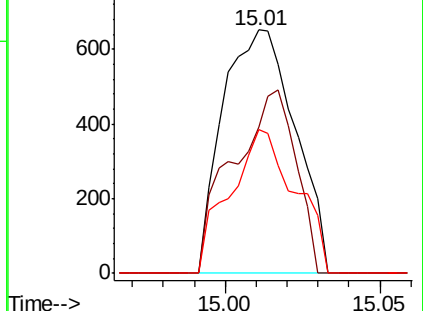
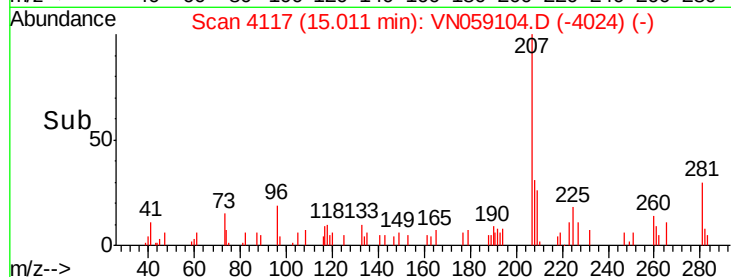
227 53.9 31.5 94.5



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: 5.424 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

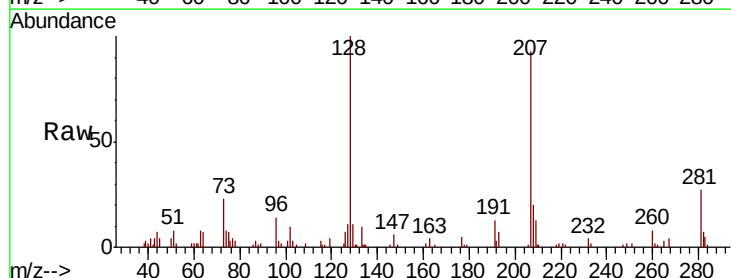
Tgt Ion:128 Resp: 28277

Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.2

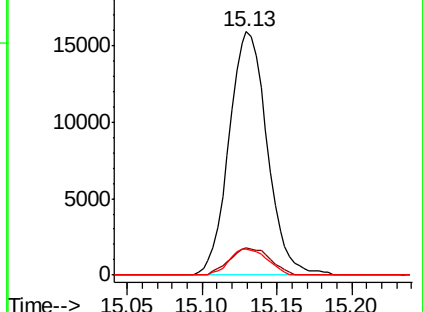
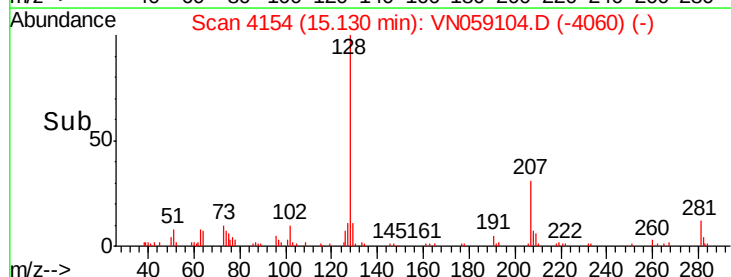
129 10.5 8.6 12.8

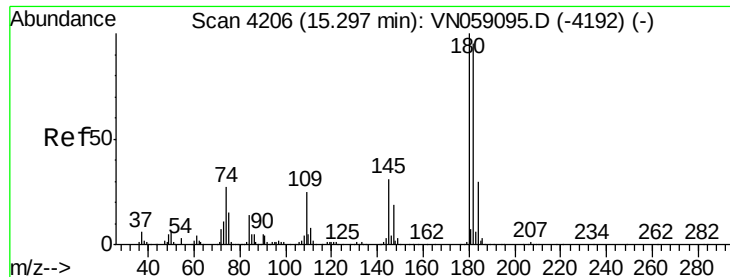


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 1.158 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059104.D

Acq: 6 Nov 2019 13:56

Instrument :

MSVOA_N

ClientSampleId :

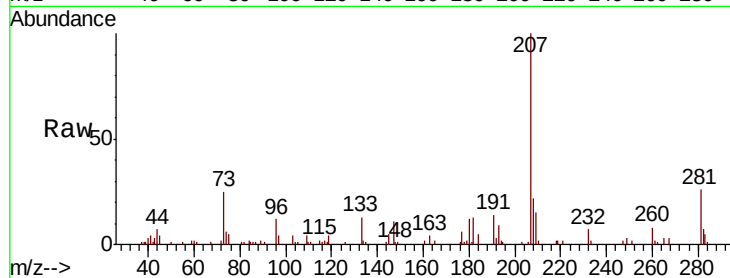
Tot Ion:180 Resp: 4301

Ion Ratio Lower Upper

180 100

182 95.0 47.3 141.8

145 45.2 15.8 47.3



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

