

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058334.D
 Acq On : 24 Sep 2019 8:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 24 08:41:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	466238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	831858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	752560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	367587	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	349187	53.77	ug/l	0.00
Spiked Amount			Recovery	=	107.54%	
35) Dibromofluoromethane	7.57	113	250254	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	10.09	98	974776	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.41	95	364362	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	161590	42.190	ug/l	100
3) Chloromethane	2.04	50	137153	46.383	ug/l	100
4) Vinyl Chloride	2.17	62	153608	47.537	ug/l	100
5) Bromomethane	2.54	94	49209	29.101	ug/l	98
6) Chloroethane	2.68	64	105733	51.170	ug/l	100
7) Trichlorofluoromethane	3.00	101	234706	44.896	ug/l	98
8) Diethyl Ether	3.39	74	121096	50.554	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	173849	46.124	ug/l	98
10) Methyl Iodide	3.93	142	83111	26.315	ug/l	98
11) Tert butyl alcohol	4.75	59	213273	276.099	ug/l	100
12) 1,1-Dichloroethene	3.72	96	140269	49.031	ug/l	99
13) Acrolein	3.58	56	44332	387.265	ug/l	98
14) Allyl chloride	4.30	41	282201	45.755	ug/l	98
15) Acrylonitrile	4.96	53	583323	283.438	ug/l	99
16) Acetone	3.79	43	499629	226.666	ug/l	97
17) Carbon Disulfide	4.03	76	176651	43.908	ug/l	100
18) Methyl Acetate	4.30	43	326586	56.307	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	770898	54.227	ug/l	99
20) Methylene Chloride	4.53	84	202773	52.554	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	154044	49.417	ug/l	96
22) Diisopropyl ether	5.93	45	837731	53.471	ug/l	99
23) Vinyl Acetate	5.87	43	2973523	277.373	ug/l	99
24) 1,1-Dichloroethane	5.83	63	424760	50.797	ug/l	99
25) 2-Butanone	6.82	43	815127	271.435	ug/l	98
26) 2,2-Dichloropropane	6.81	77	195821	27.604	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	237918	50.320	ug/l	94
28) Bromochloromethane	7.18	49	214285	54.172	ug/l	99
29) Tetrahydrofuran	7.19	42	510190	275.811	ug/l	100
30) Chloroform	7.36	83	460257	51.135	ug/l	99
31) Cyclohexane	7.64	56	252203	46.491	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	358705	52.350	ug/l	99
36) 1,1-Dichloropropene	7.78	75	258432	43.080	ug/l	99
37) Ethyl Acetate	6.91	43	329342	52.901	ug/l	100
38) Carbon Tetrachloride	7.76	117	280953	46.590	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	252035	43.462	ug/l	99
40) Benzene	8.03	78	859445	46.906	ug/l	99
41) Methacrylonitrile	7.19	41	491584	154.796	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	370498	48.189	ug/l	100
43) Isopropyl Acetate	8.15	43	594501	51.131	ug/l	100
44) Trichloroethene	8.82	130	211406	47.149	ug/l	98
45) 1,2-Dichloropropane	9.11	63	272731	49.842	ug/l	99
46) Dibromomethane	9.20	93	164593	49.475	ug/l	99
47) Bromodichloromethane	9.40	83	363174	52.109	ug/l	98
48) Methyl methacrylate	9.19	41	282780	53.566	ug/l	99
49) 1,4-Dioxane	9.19	88	92430	1066.420	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1854616	300.308	ug/l	99
52) Toluene	10.15	92	549821	47.881	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	347791	48.715	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	373035	47.326	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	265151	52.032	ug/l	99
56) Ethyl methacrylate	10.43	69	403939	54.939	ug/l	99
57) 1,3-Dichloropropane	10.71	76	447369	51.067	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	979569	279.701	ug/l	100
59) 2-Hexanone	10.75	43	1323994	288.663	ug/l	99
60) Dibromochloromethane	10.90	129	269322	54.935	ug/l	100
61) 1,2-Dibromoethane	11.00	107	246545	52.206	ug/l	100
64) Tetrachloroethene	10.63	164	179984	49.061	ug/l	99
65) Chlorobenzene	11.44	112	641544	48.466	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	250590	52.209	ug/l	99
67) Ethyl Benzene	11.51	91	1144326	50.452	ug/l	99
68) m/p-Xylenes	11.62	106	822241	96.253	ug/l	97
69) o-Xylene	11.95	106	420870	50.105	ug/l	99
70) Styrene	11.97	104	754668	52.144	ug/l	99
71) Bromoform	12.13	173	171889	48.425	ug/l #	99
73) Isopropylbenzene	12.25	105	1187654	51.618	ug/l	99
74) N-amyl acetate	12.07	43	549866	57.126	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	418401	54.302	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	483861	73.550	ug/l #	100
77) Bromobenzene	12.53	156	286481	49.499	ug/l	99
78) n-propylbenzene	12.60	91	1366446	52.262	ug/l	99
79) 2-Chlorotoluene	12.68	91	836928	51.219	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1004785	51.643	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	89829	41.722	ug/l	99
82) 4-Chlorotoluene	12.78	91	864375	50.323	ug/l	100
83) tert-Butylbenzene	13.00	119	910768	52.491	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1037960	53.607	ug/l	99
85) sec-Butylbenzene	13.18	105	1192849	52.573	ug/l	99
86) p-Isopropyltoluene	13.30	119	1048305	51.971	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	532229	50.348	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	534071	49.487	ug/l	100
89) n-Butylbenzene	13.62	91	949680	49.660	ug/l	99
90) Hexachloroethane	13.88	117	169311	47.987	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	548572	51.733	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	80645	58.137	ug/l	98

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Response via : Initial Calibration

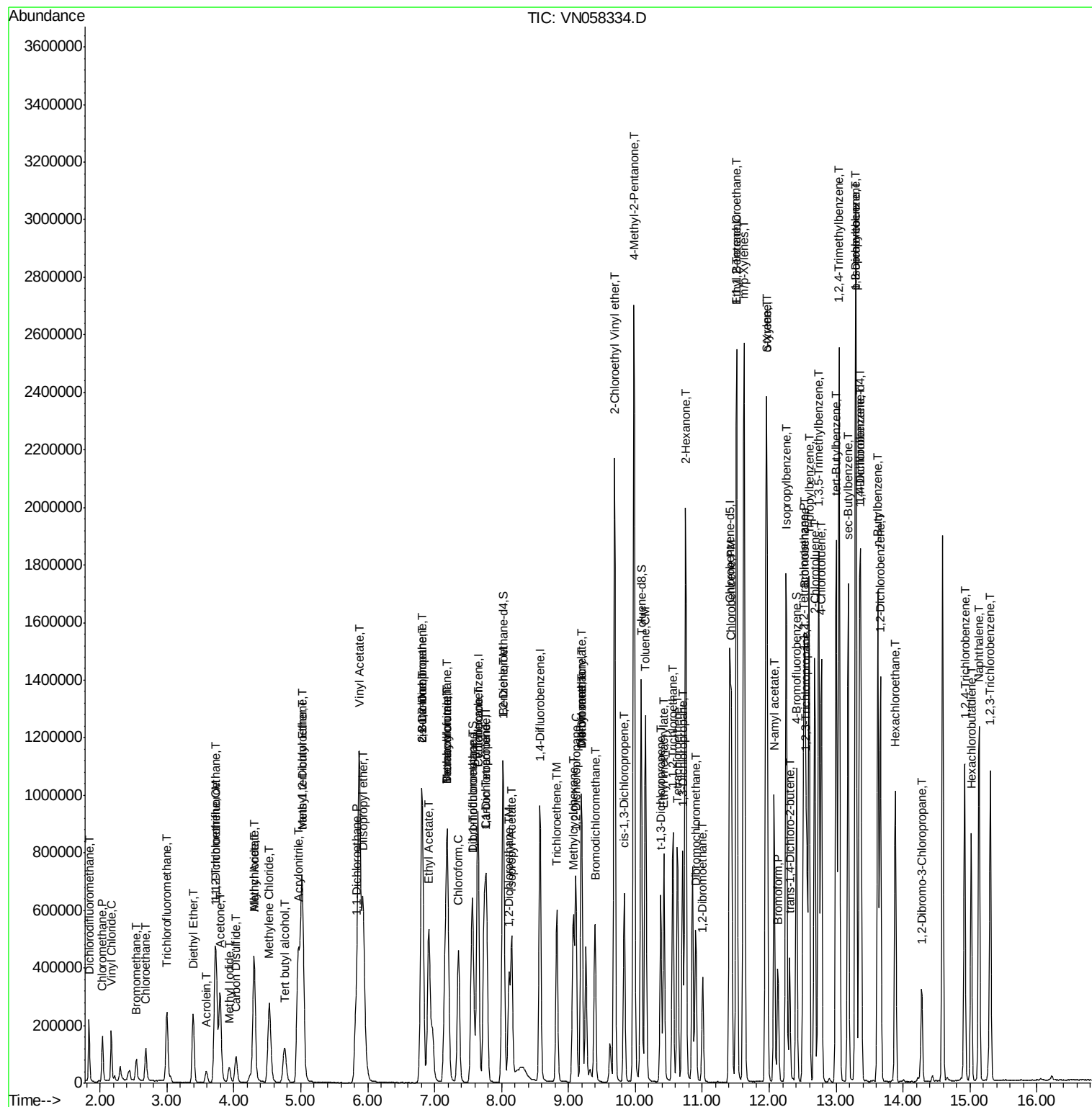
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	332997	49.150	ug/l	99
94) Hexachlorobutadiene	15.02	225	150764	46.040	ug/l	97
95) Naphthalene	15.14	128	977876	55.693	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	322112	50.301	ug/l	100

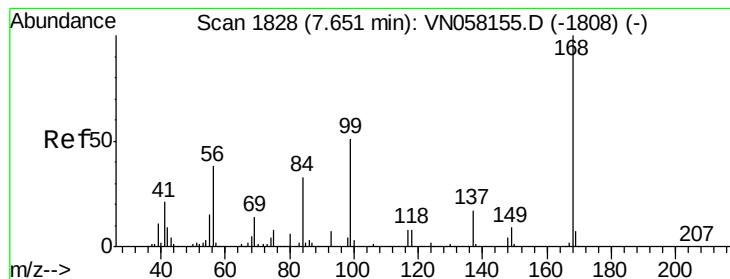
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

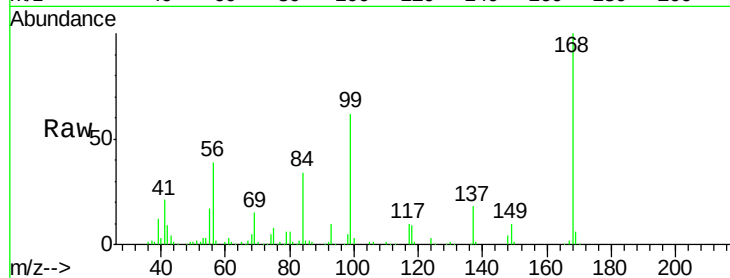
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 466238

Ion Ratio Lower Upper

168 100

99 61.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

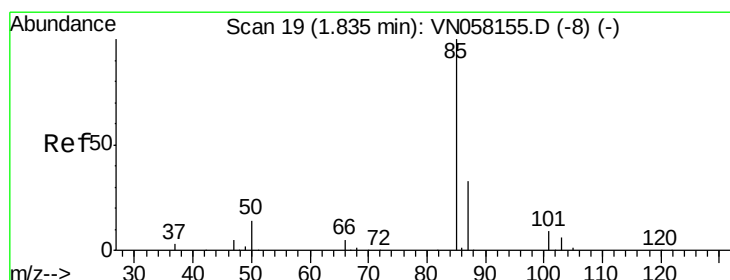
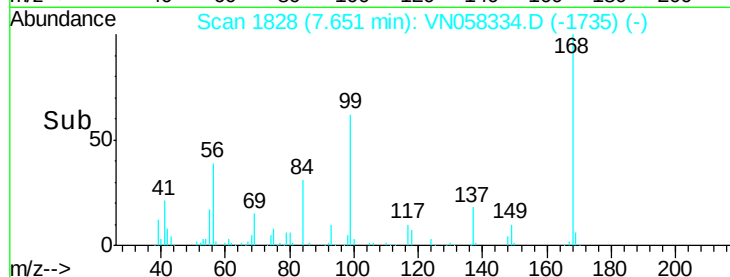
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 42.190 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058334.D

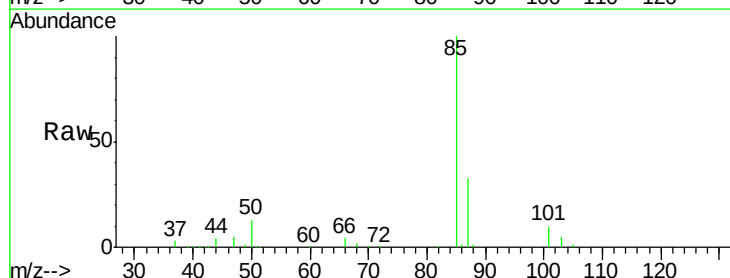
Acq: 24 Sep 2019 8:08

Tgt Ion: 85 Resp: 161590

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

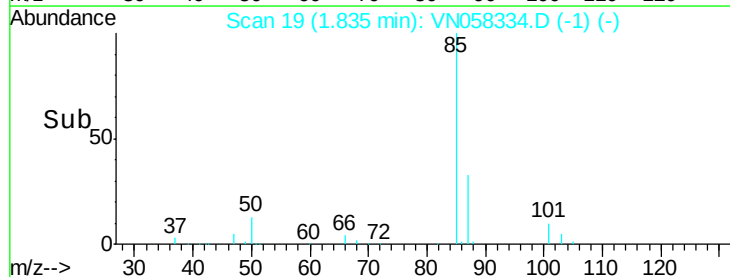
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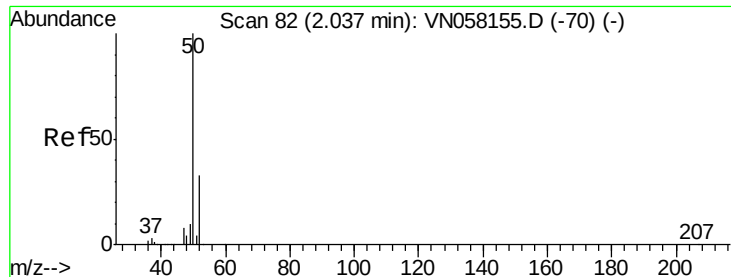
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 46.383 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

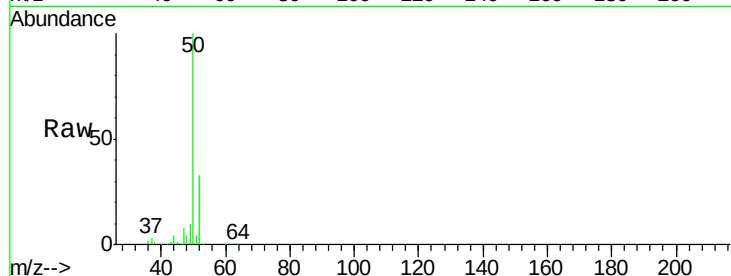
ClientSampled :

Tot Ion: 50 Resp: 137153

Ion Ratio Lower Upper

50 100

52 33.2 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

100000

80000

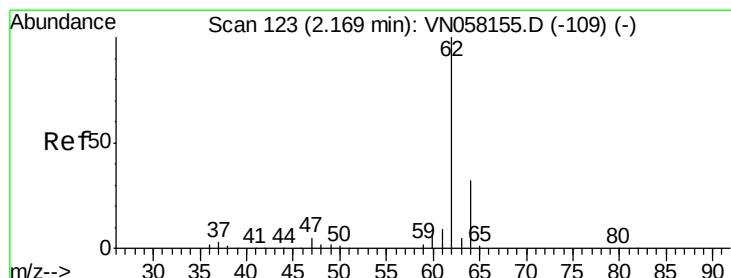
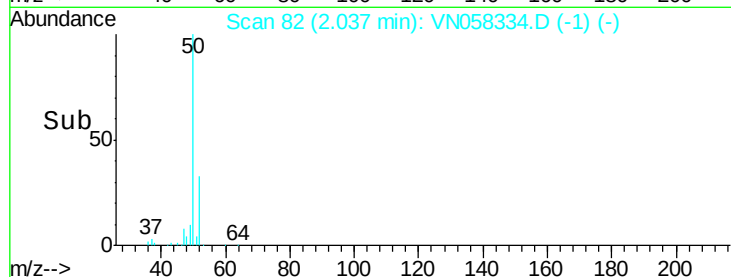
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 47.537 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058334.D

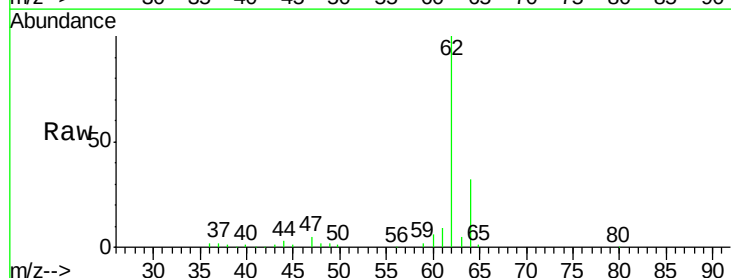
Acq: 24 Sep 2019 8:08

Tgt Ion: 62 Resp: 153608

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

120000

100000

80000

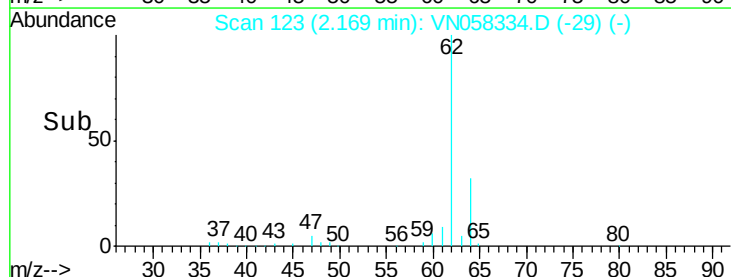
60000

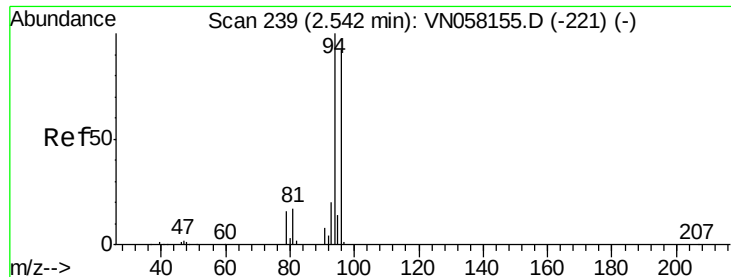
40000

20000

0

Time-->

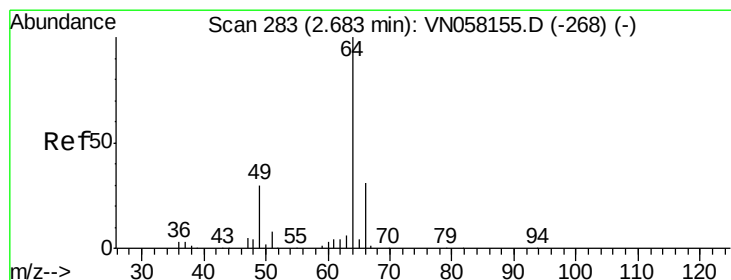
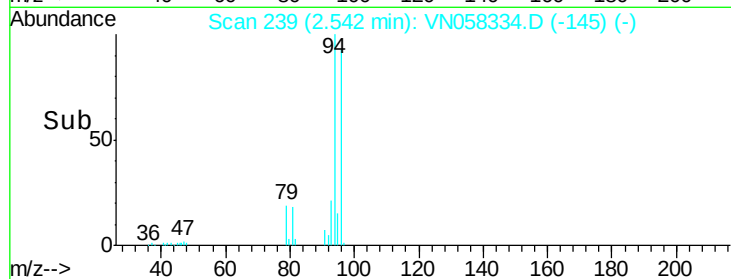
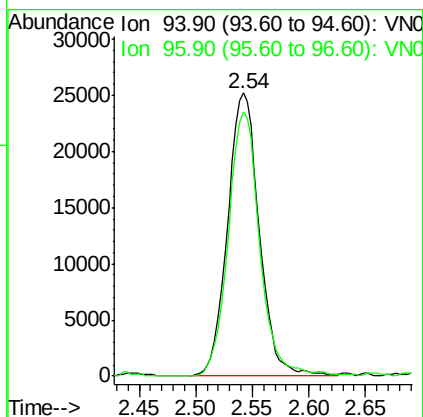
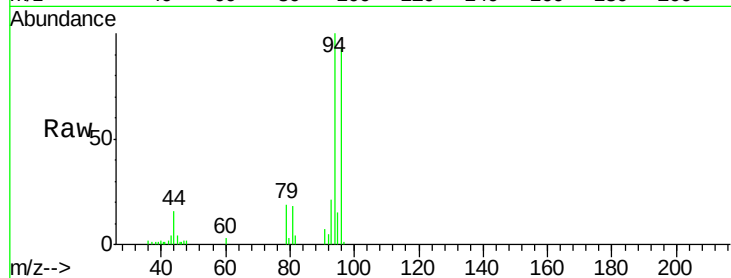




#5
Bromomethane
Concen: 29.101 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

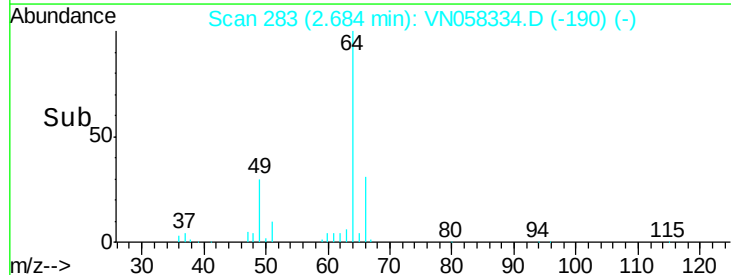
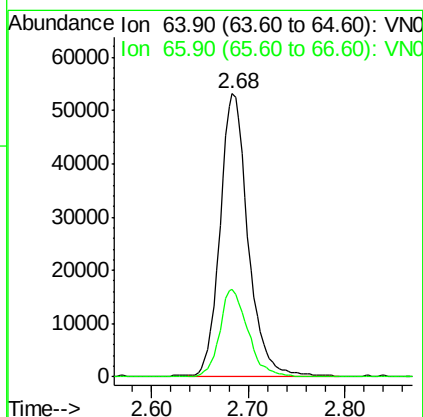
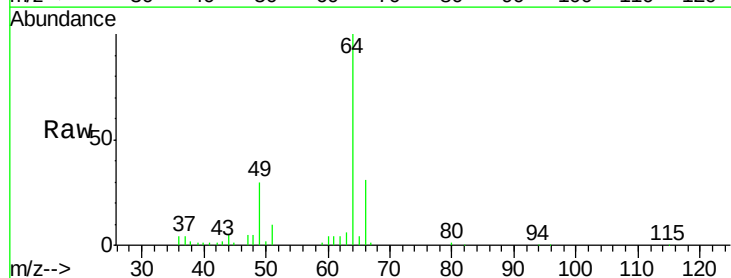
Instrument :
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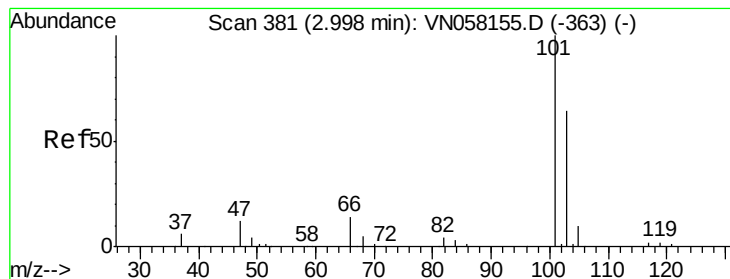
Tot Ion: 94 Resp: 49209
Ion Ratio Lower Upper
94 100
96 93.3 73.3 109.9



#6
Chloroethane
Concen: 51.170 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Tgt Ion: 64 Resp: 105733
Ion Ratio Lower Upper
64 100
66 30.8 24.6 37.0



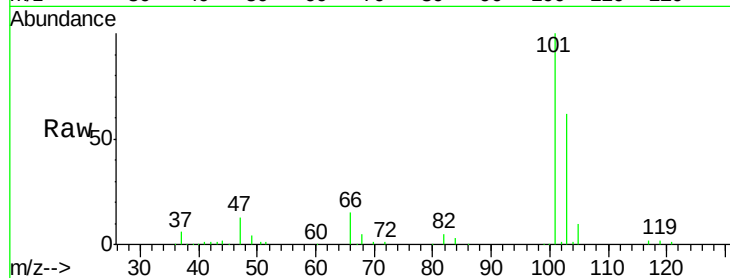


#7

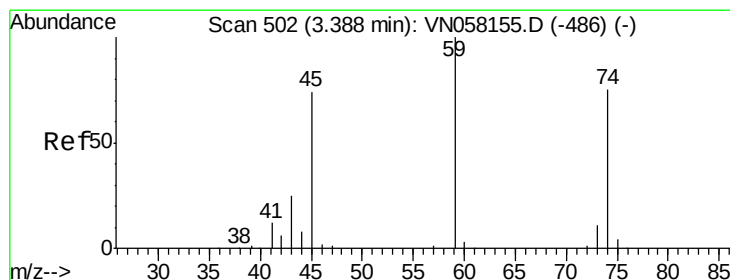
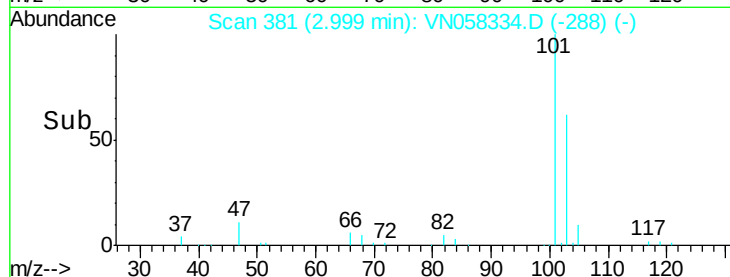
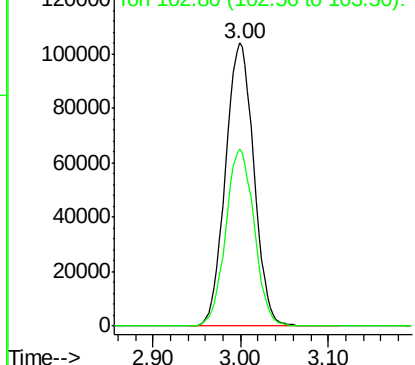
Trichlorofluoromethane
Concen: 44.896 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 101 Resp: 234706
Ion Ratio Lower Upper
101 100
103 62.4 51.0 76.6



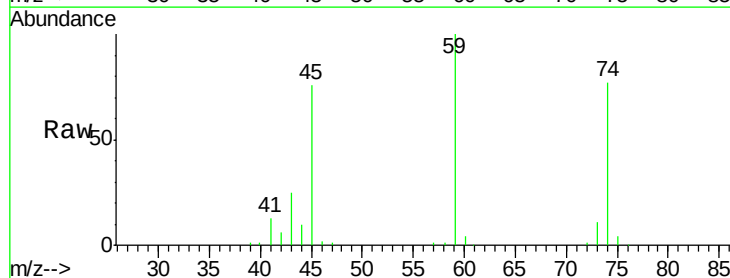
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



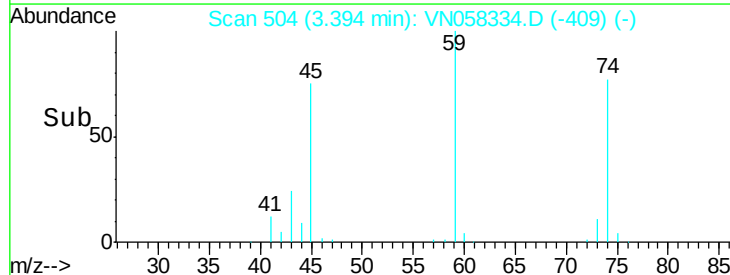
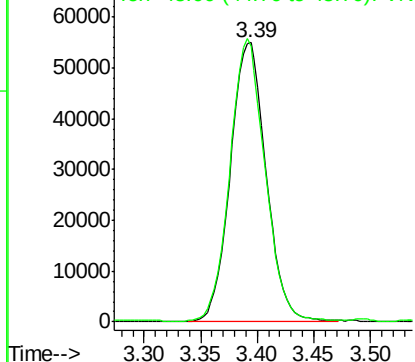
#8

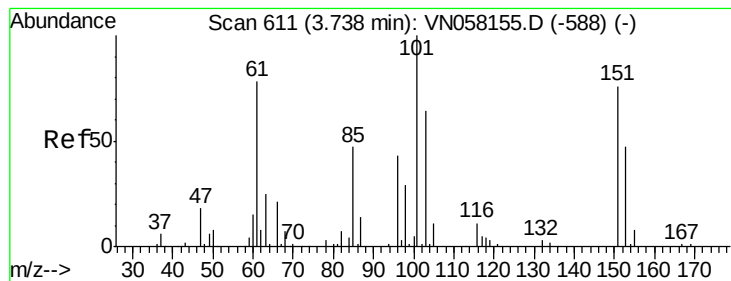
Diethyl Ether
Concen: 50.554 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.01 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Tgt Ion: 74 Resp: 121096
Ion Ratio Lower Upper
74 100
45 99.2 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.124 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

ClientSampleId :

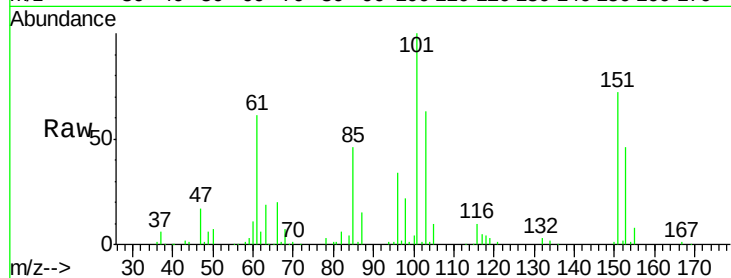
Tot Ion:101 Resp: 173849

Ion Ratio Lower Upper

101 100

85 46.1 37.3 55.9

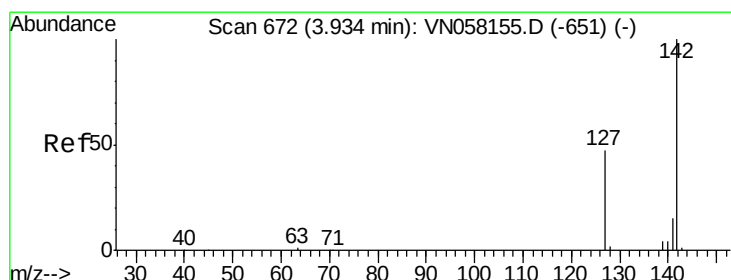
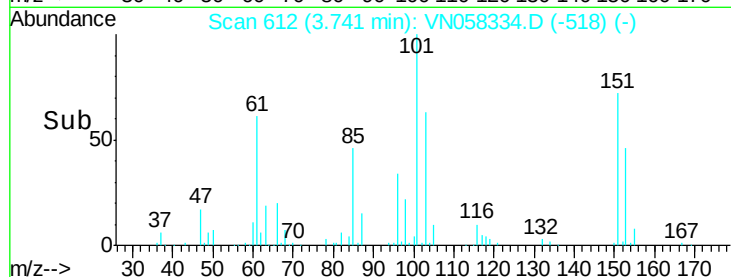
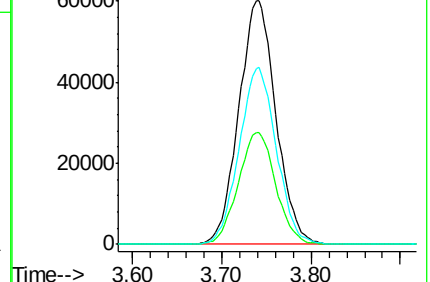
151 72.5 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 26.315 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

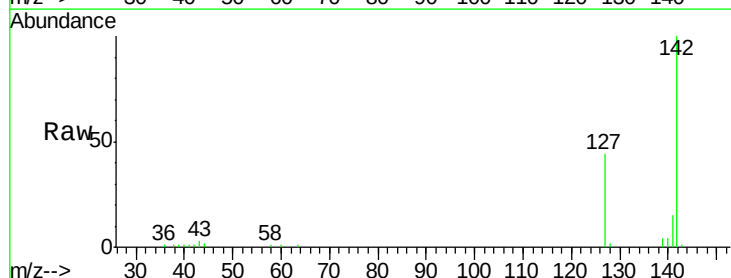
Tgt Ion:142 Resp: 83111

Ion Ratio Lower Upper

142 100

127 45.2 37.5 56.3

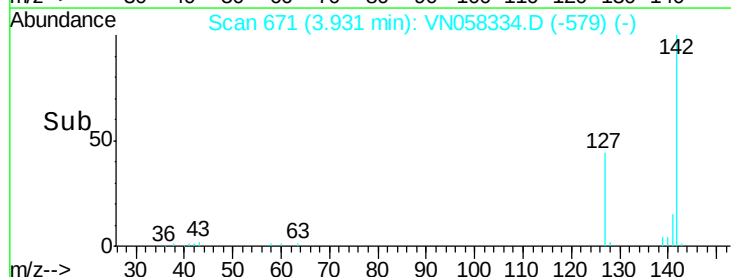
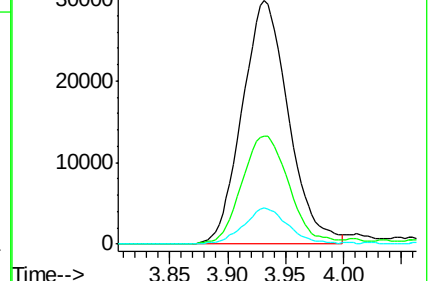
141 14.2 11.4 17.2

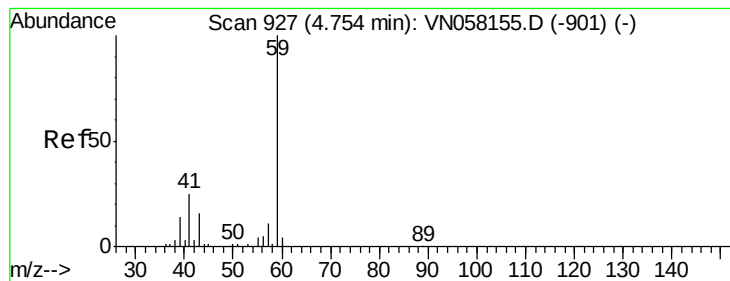


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



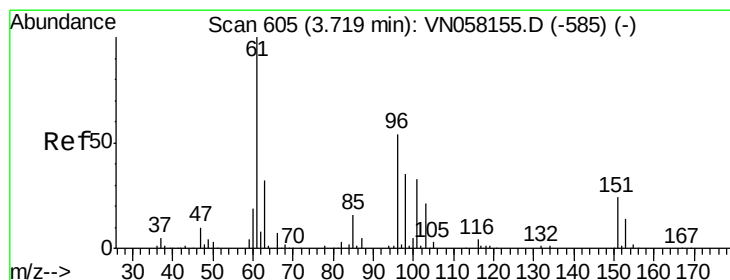
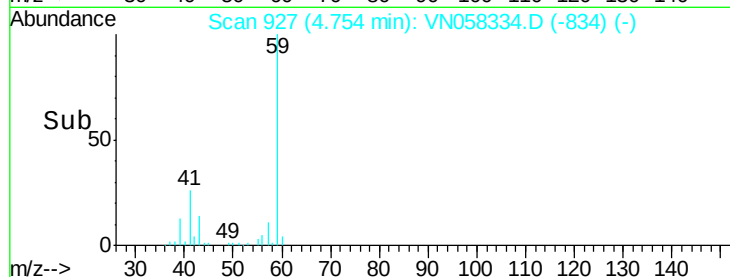
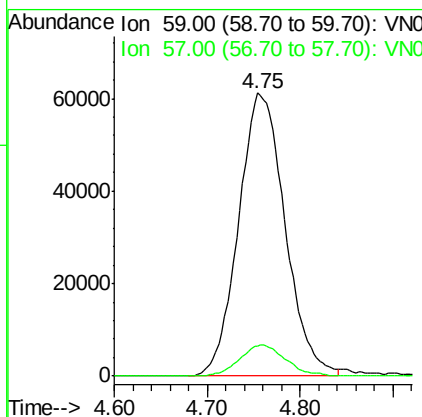
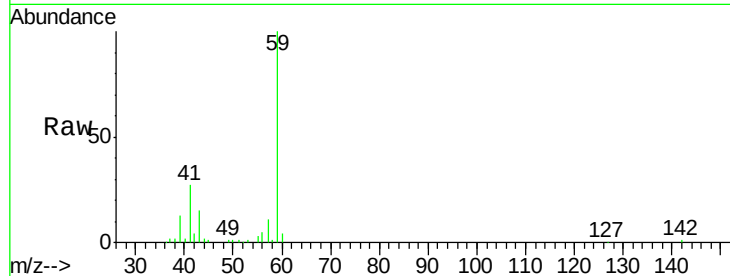


#11

Tert butyl alcohol
 Concen: 276.099 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

Instrument :
 MSVOA_N
 ClientSampleId :

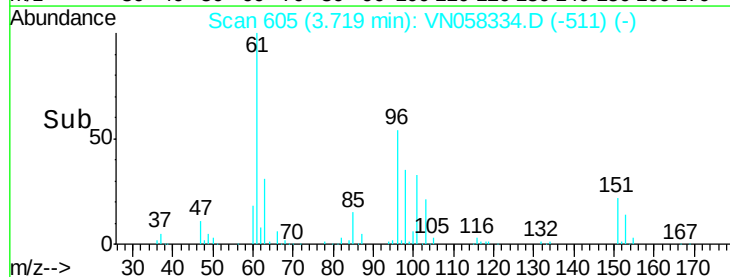
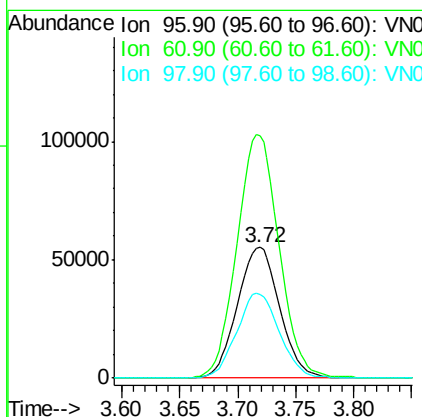
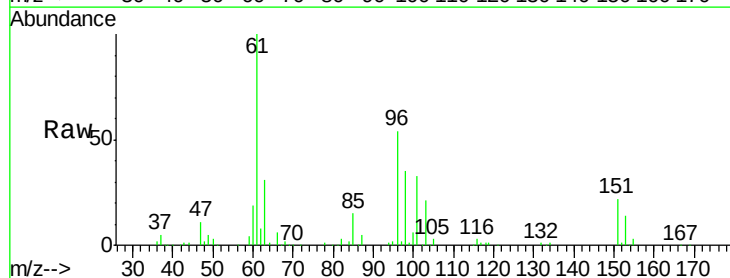
Tot Ion: 59 Resp: 213273
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.6 13.0

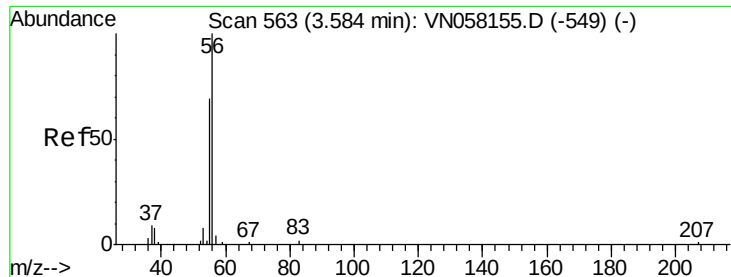


#12

1,1-Dichloroethene
 Concen: 49.031 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

Tgt Ion: 96 Resp: 140269
 Ion Ratio Lower Upper
 96 100
 61 185.3 149.5 224.3
 98 64.2 52.4 78.6





#13

Acrolein

Concen: 387.265 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

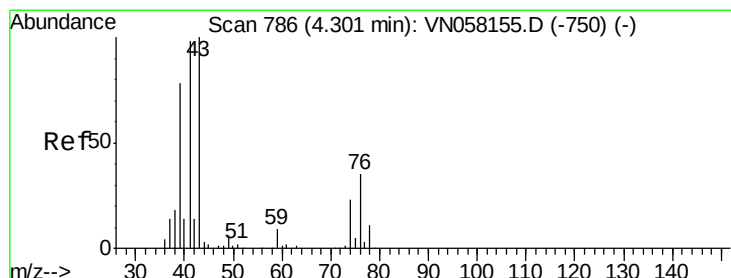
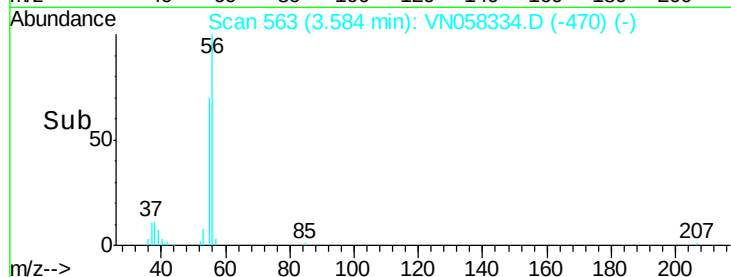
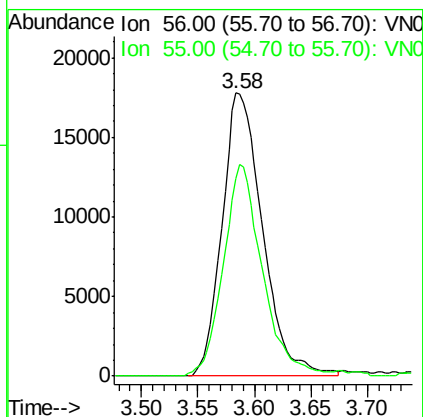
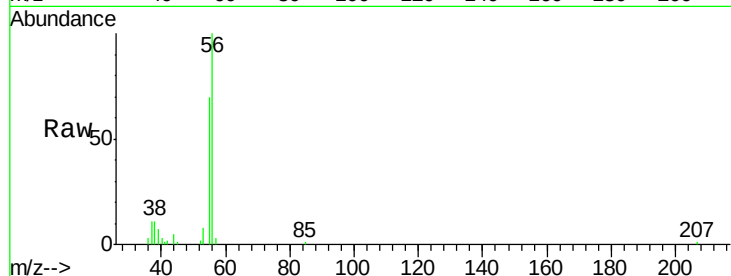
ClientSampleId :

Tot Ion: 56 Resp: 44332

Ion Ratio Lower Upper

56 100

55 71.8 56.1 84.1



#14

Allyl chloride

Concen: 45.755 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

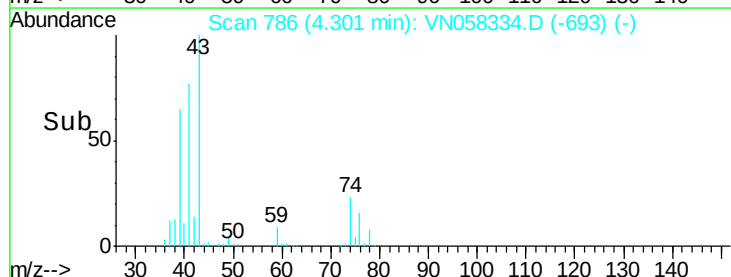
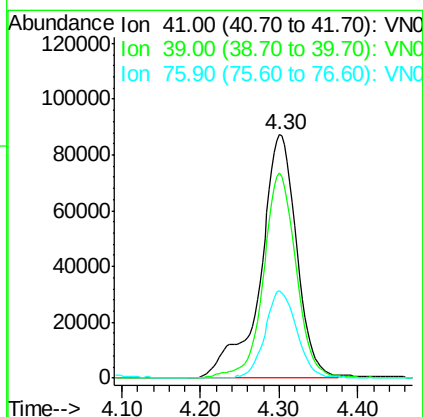
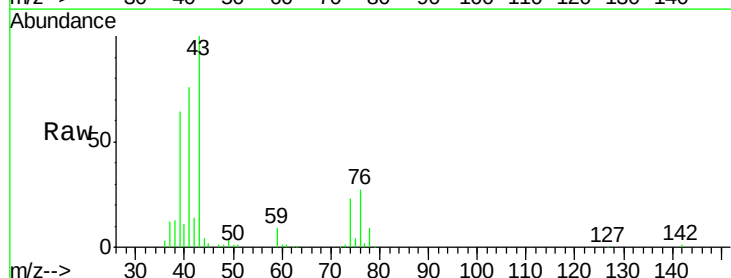
Tgt Ion: 41 Resp: 282201

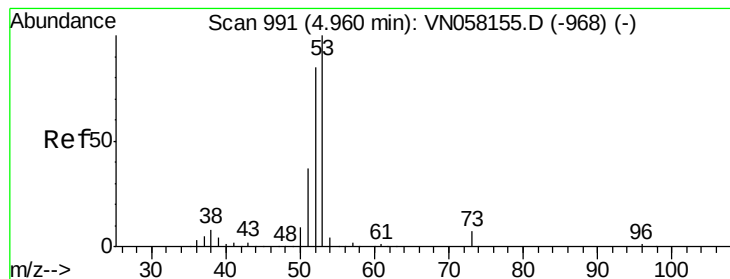
Ion Ratio Lower Upper

41 100

39 76.0 59.1 88.7

76 31.3 25.1 37.7





#15

Acrylonitrile

Concen: 283.438 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

ClientSampled :

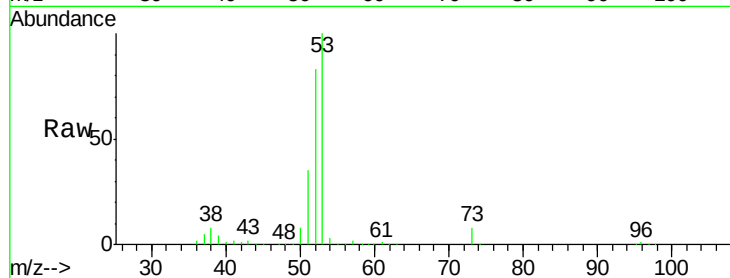
Tot Ion: 53 Resp: 583323

Ion Ratio Lower Upper

53 100

52 84.1 66.6 100.0

51 37.4 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN058155.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN058155.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN058155.D (-968) (-)

4.96

200000

150000

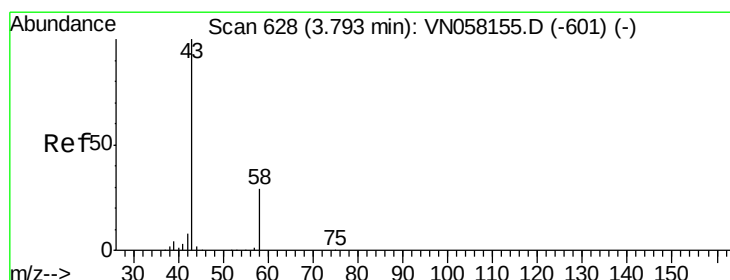
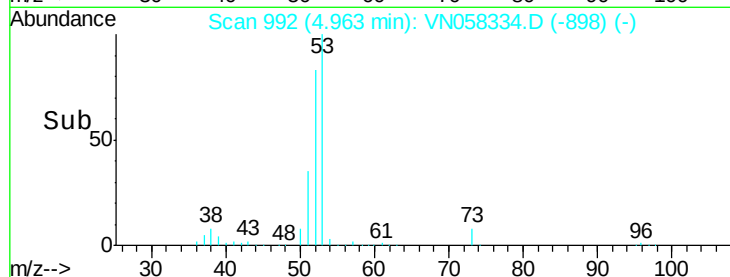
100000

50000

0

4.80 4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 226.666 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058334.D

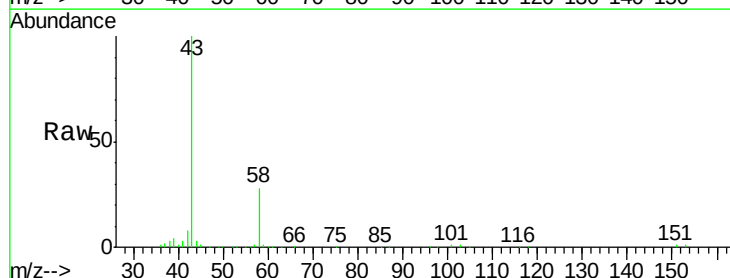
Acq: 24 Sep 2019 8:08

Tgt Ion: 43 Resp: 499629

Ion Ratio Lower Upper

43 100

58 27.8 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN058155.D (-601) (-)

3.79

200000

150000

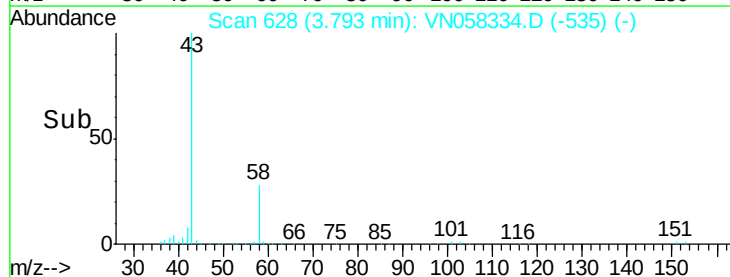
100000

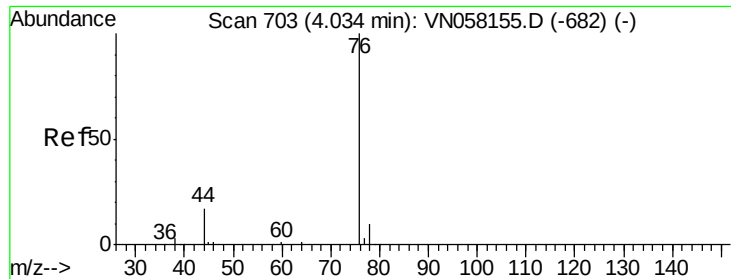
50000

0

3.70 3.80 3.90

Time-->





#17

Carbon Disulfide

Concen: 43.908 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

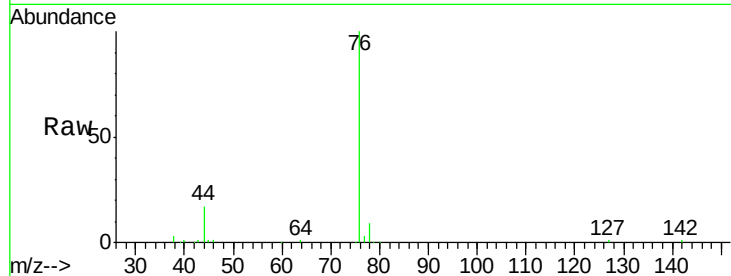
ClientSampled :

Tot Ion: 76 Resp: 176651

Ion Ratio Lower Upper

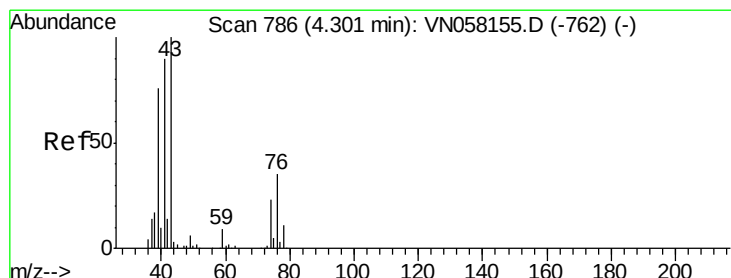
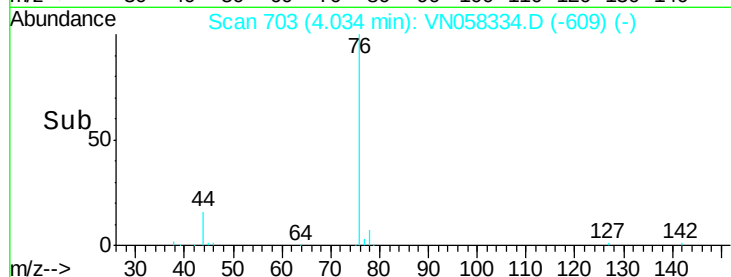
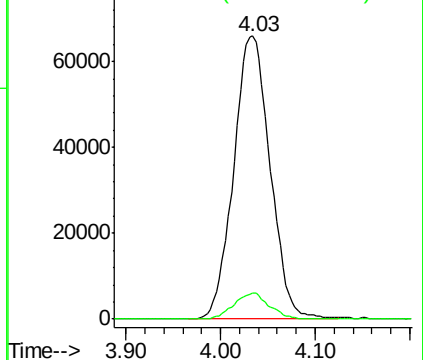
76 100

78 9.4 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 56.307 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058334.D

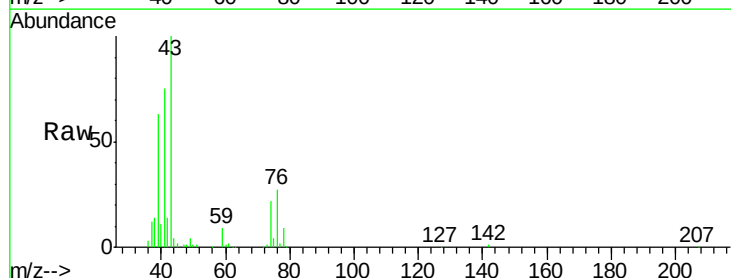
Acq: 24 Sep 2019 8:08

Tgt Ion: 43 Resp: 326586

Ion Ratio Lower Upper

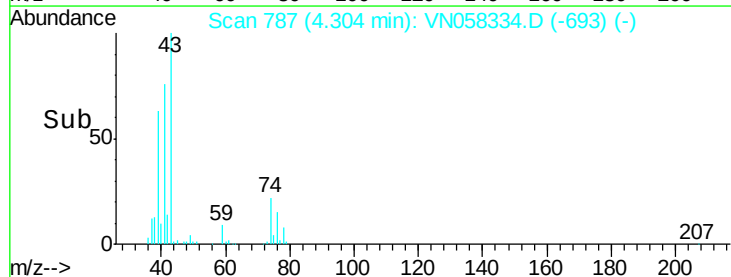
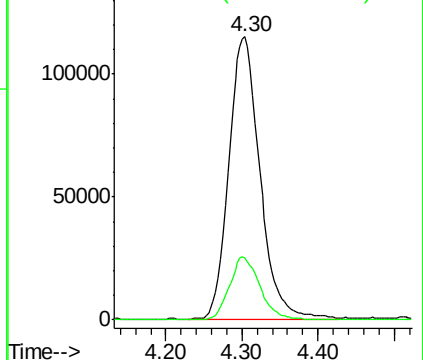
43 100

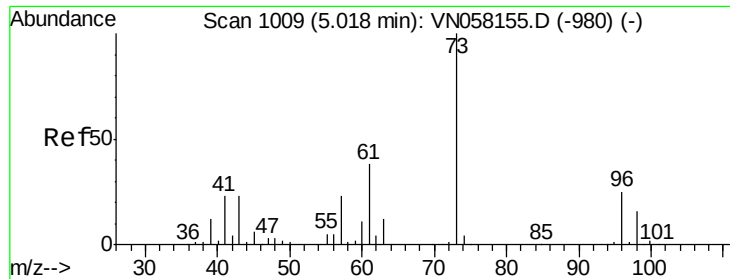
74 21.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

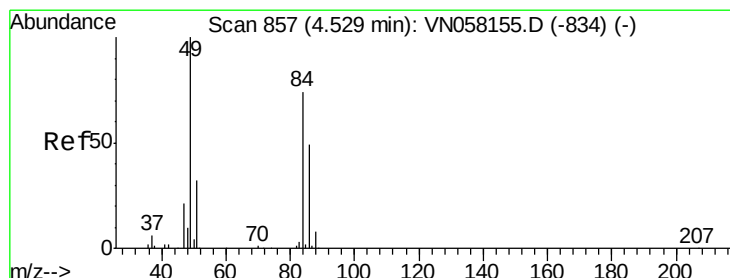
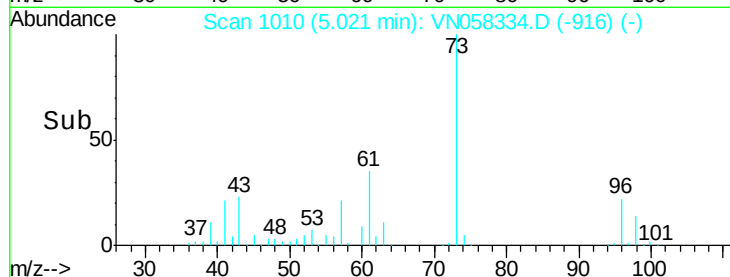
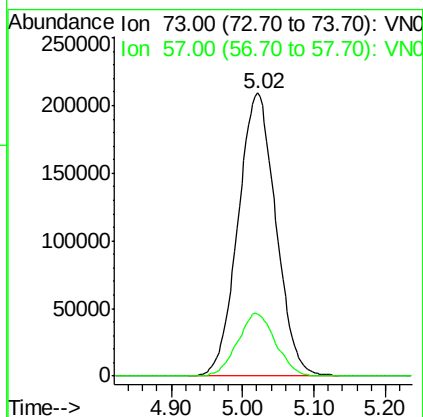
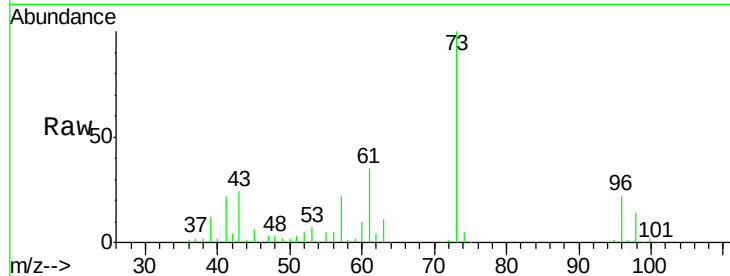




#19
Methvl tert-butyl Ether
Concen: 54.227 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

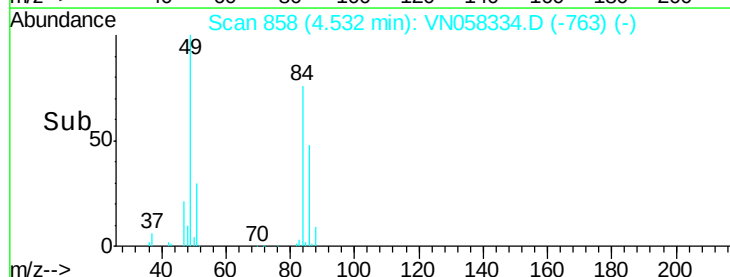
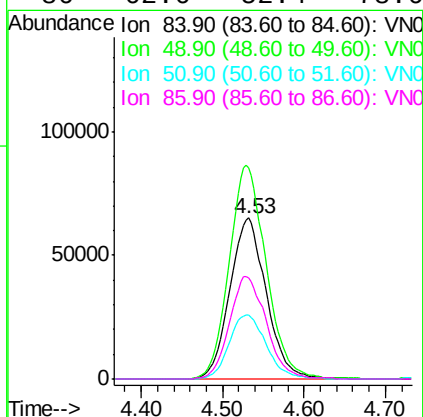
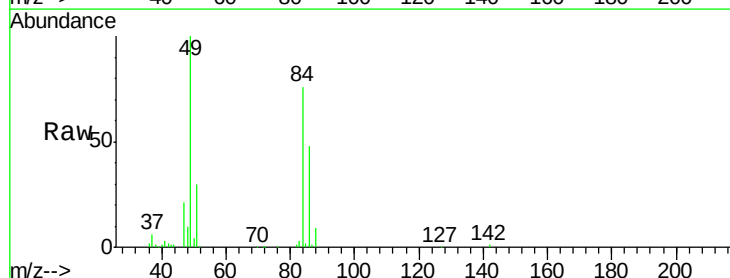
Instrument :
MSVOA_N
ClientSampleId :

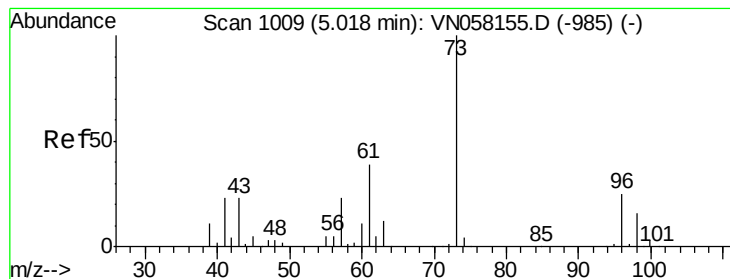
Tot Ion: 73 Resp: 770898
Ion Ratio Lower Upper
73 100
57 22.1 18.1 27.1



#20
Methylene Chloride
Concen: 52.554 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Tgt Ion: 84 Resp: 202773
Ion Ratio Lower Upper
84 100
49 131.1 107.5 161.3
51 39.5 33.9 50.9
86 62.6 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 49.417 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

ClientSampleId :

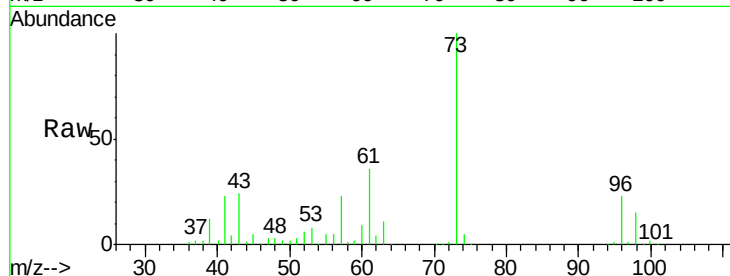
Tot Ion: 96 Resp: 154044

Ion Ratio Lower Upper

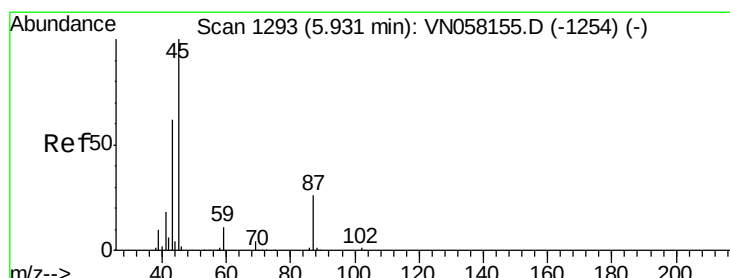
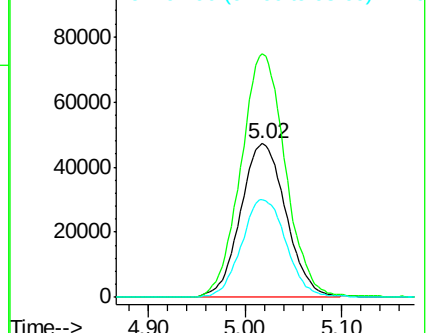
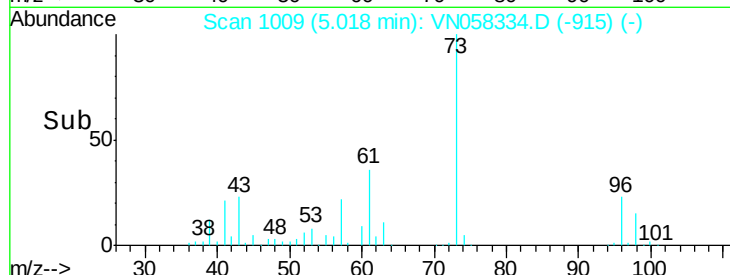
96 100

61 158.7 122.2 183.4

98 64.1 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VN058334.D (-915) (-)



#22

Diisopropyl ether

Concen: 53.471 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Tgt Ion: 45 Resp: 837731

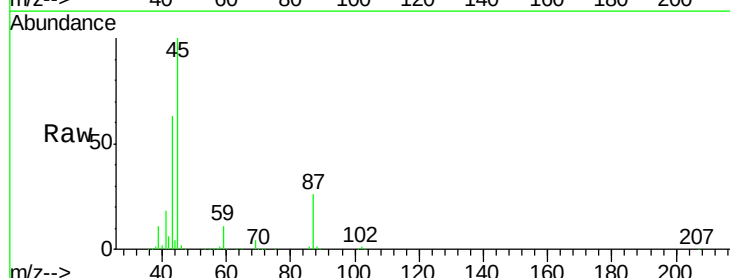
Ion Ratio Lower Upper

45 100

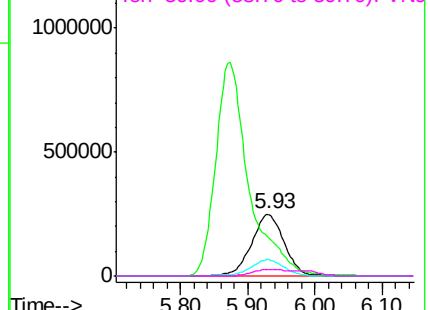
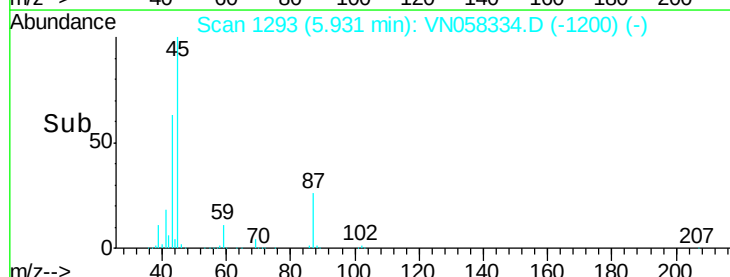
43 61.3 49.7 74.5

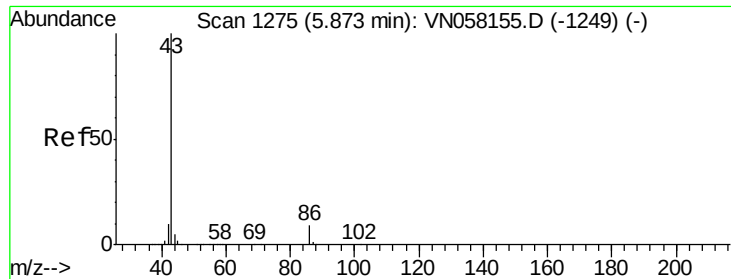
87 26.3 20.7 31.1

59 10.9 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN058334.D (-1200) (-)





#23

Vinyl Acetate

Concen: 277.373 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

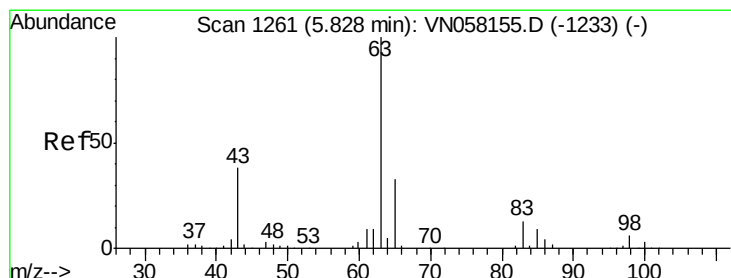
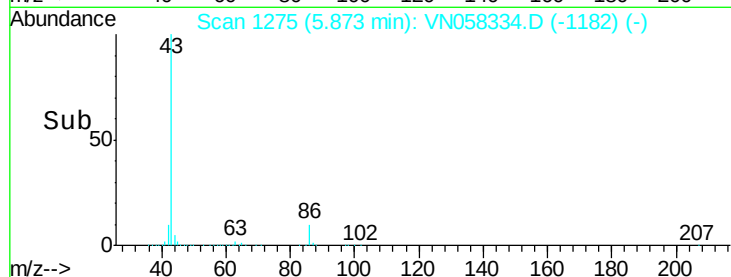
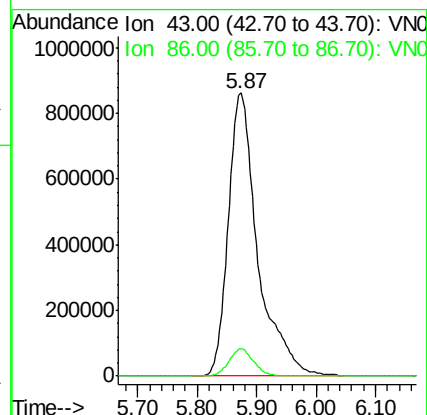
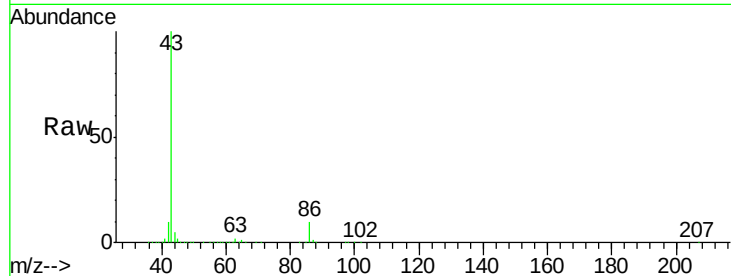
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2973523

Ion Ratio Lower Upper

43 100

86 9.7 7.4 11.2



#24

1,1-Dichloroethane

Concen: 50.797 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

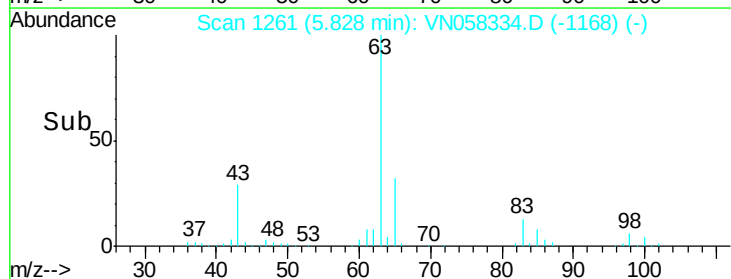
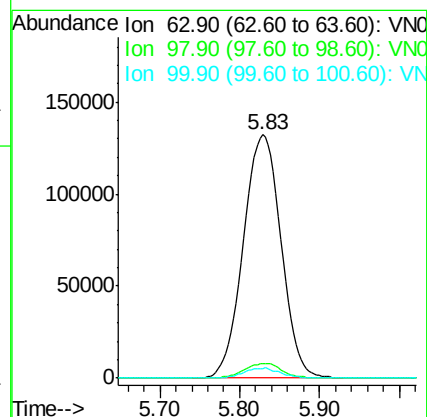
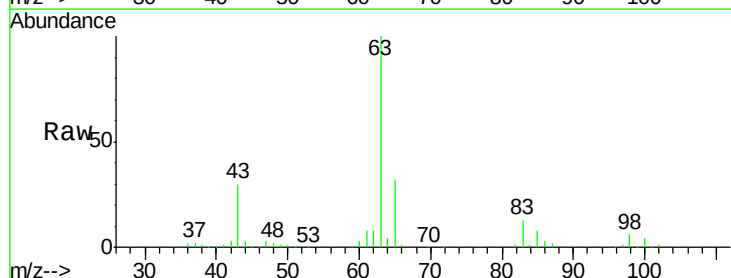
Tgt Ion: 63 Resp: 424760

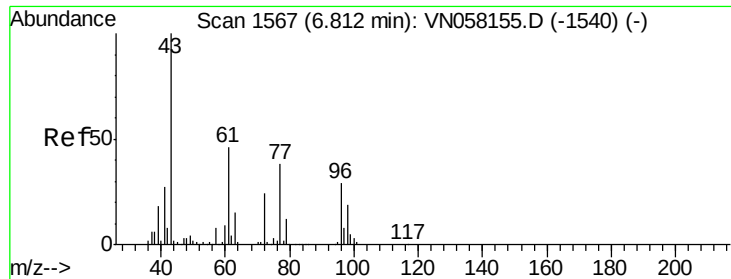
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 4.0 1.8 5.3





#25

2-Butanone

Concen: 271.435 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

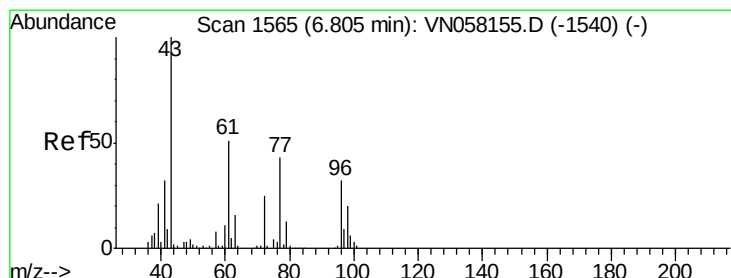
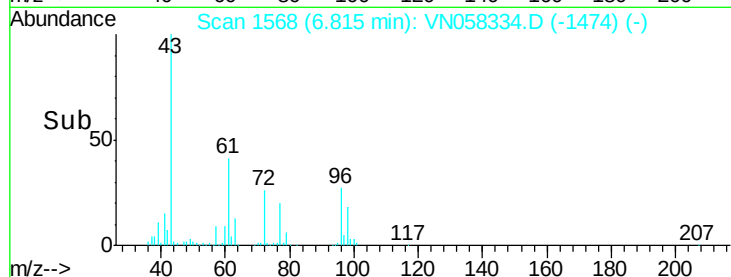
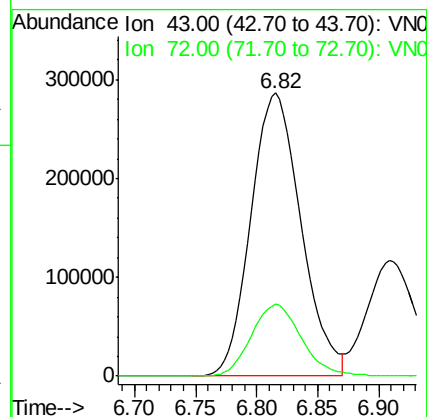
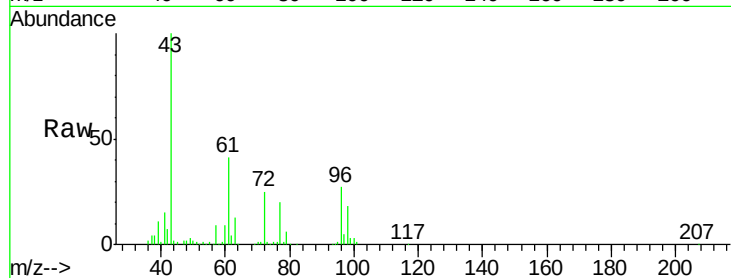
ClientSampled :

Tot Ion: 43 Resp: 815127

Ion Ratio Lower Upper

43 100

72 25.5 19.5 29.3



#26

2,2-Dichloropropane

Concen: 27.604 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058334.D

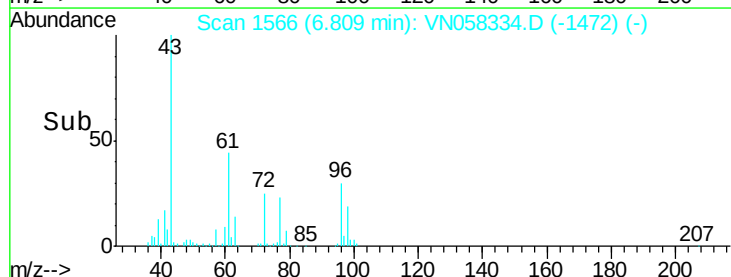
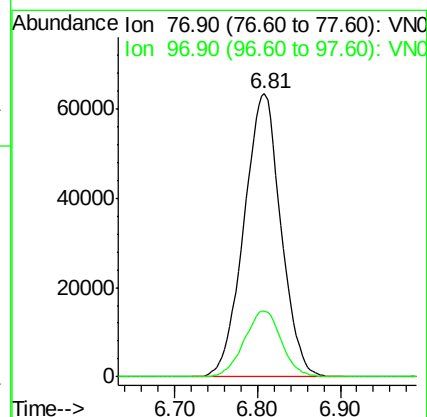
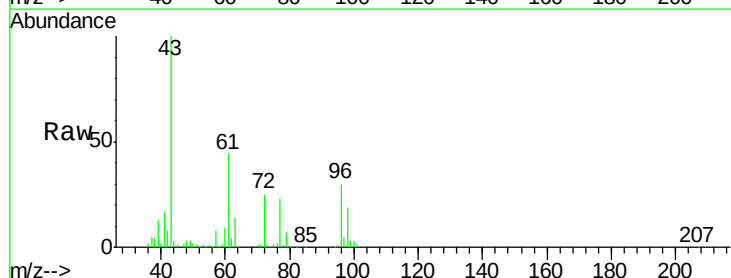
Acq: 24 Sep 2019 8:08

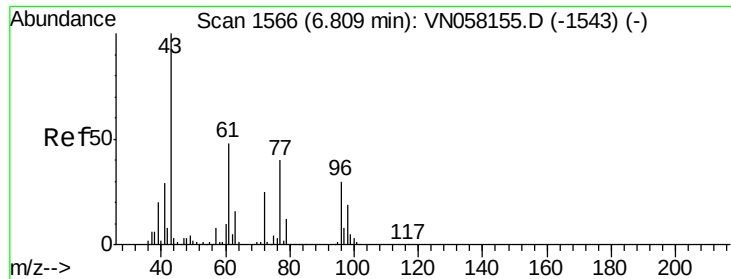
Tgt Ion: 77 Resp: 195821

Ion Ratio Lower Upper

77 100

97 23.5 10.5 31.6

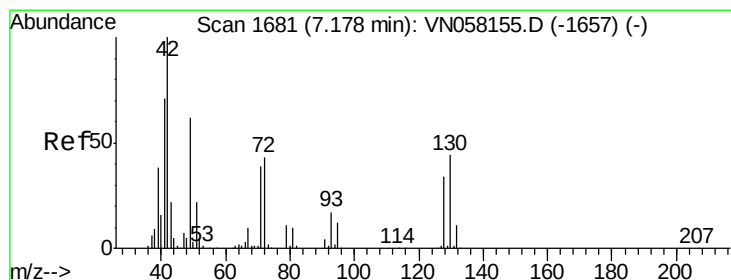
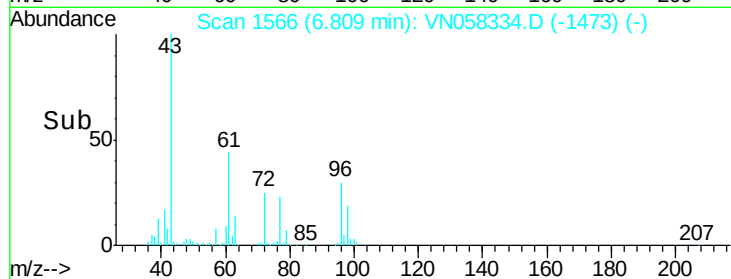
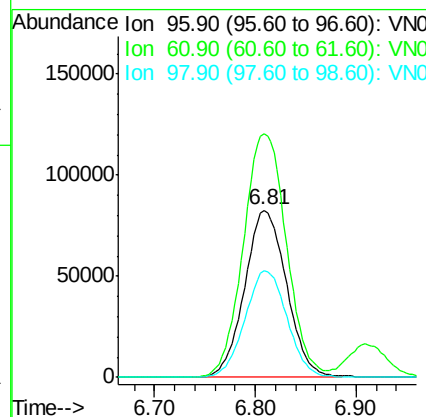
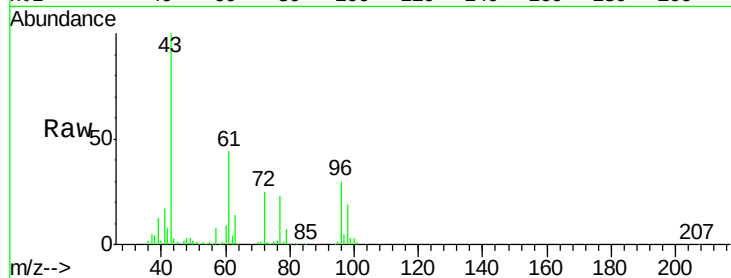




#27
 cis-1,2-Dichloroethene
 Concen: 50.320 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

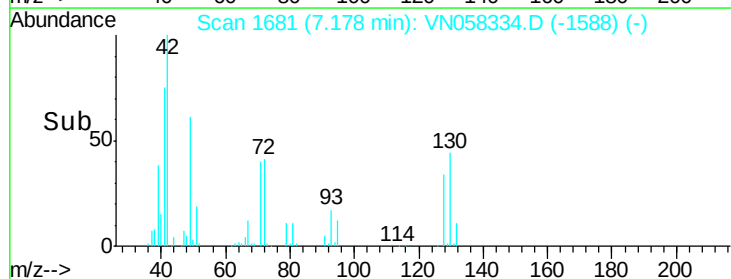
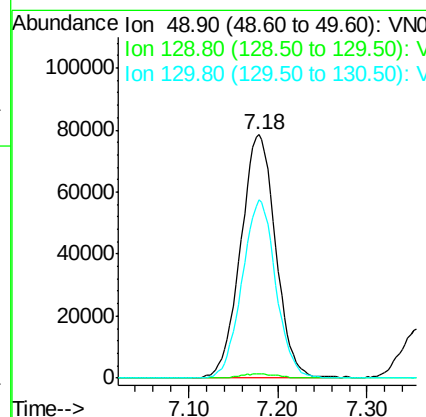
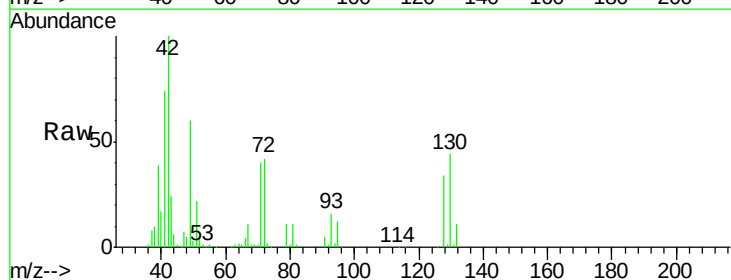
Instrument :
 MSVOA_N
 ClientSampled :

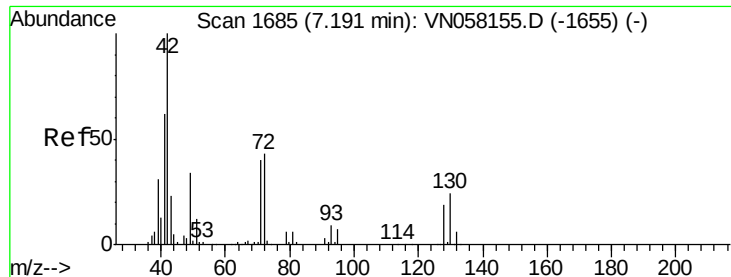
Tot Ion	96	Resp	237918
Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	319.0
98	64.3	0.0	126.6



#28
 Bromochloromethane
 Concen: 54.172 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

Tgt Ion	49	Resp	214285
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	1.8
130	70.4	55.4	83.2

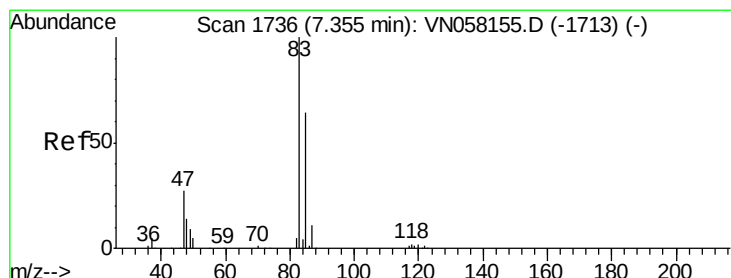
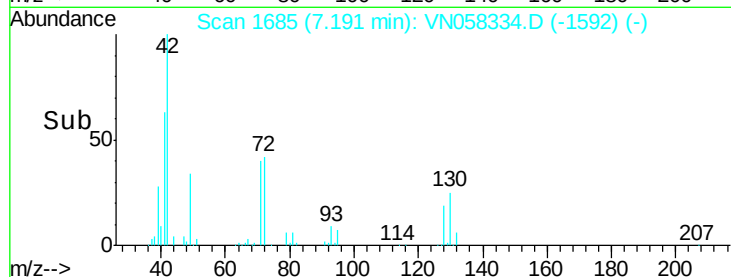
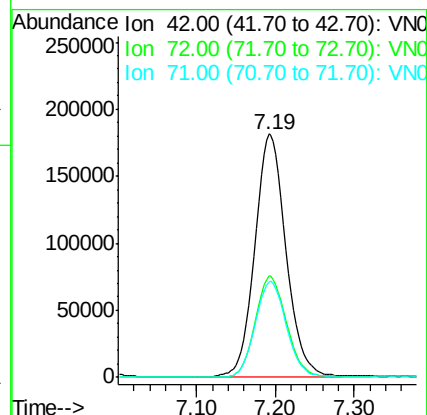
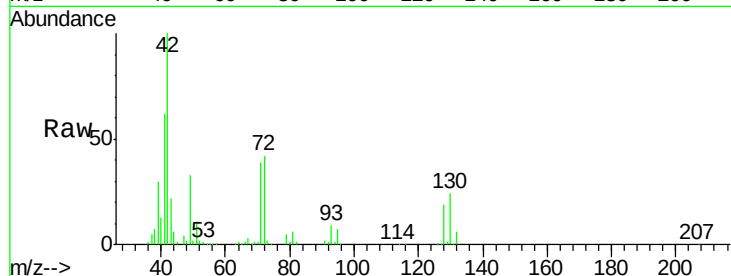




#29
Tetrahydrofuran
Concen: 275.811 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

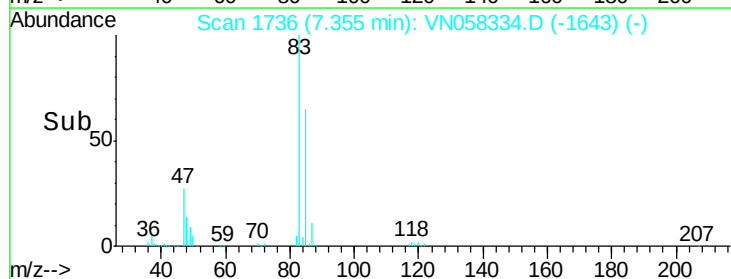
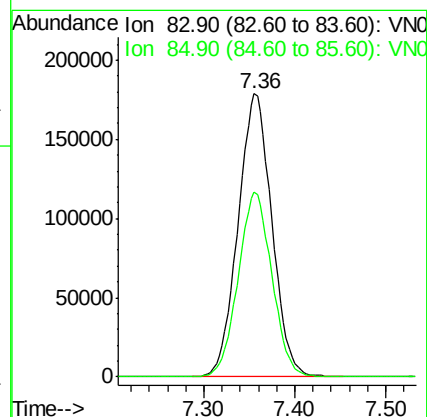
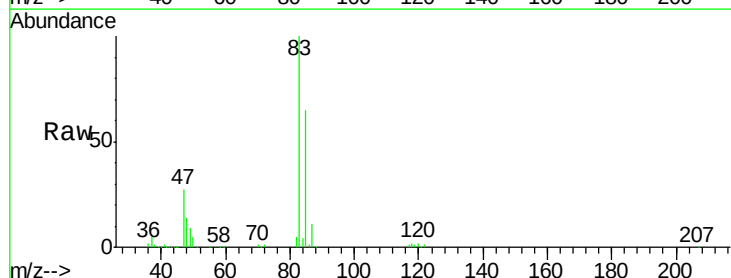
Instrument :
MSVOA_N
ClientSampled :

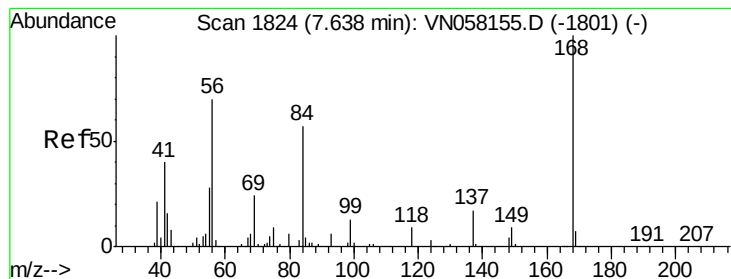
Tot Ion: 42 Resp: 510190
Ion Ratio Lower Upper
42 100
72 41.9 33.8 50.6
71 39.4 31.4 47.0



#30
Chloroform
Concen: 51.135 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Tgt Ion: 83 Resp: 460257
Ion Ratio Lower Upper
83 100
85 65.2 51.4 77.2





#31

Cyclohexane

Concen: 46.491 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :
MSVOA_N
ClientSampled :

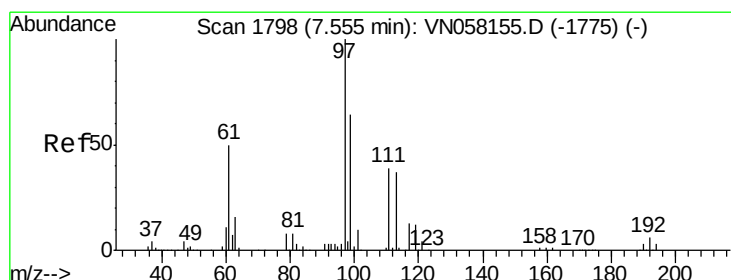
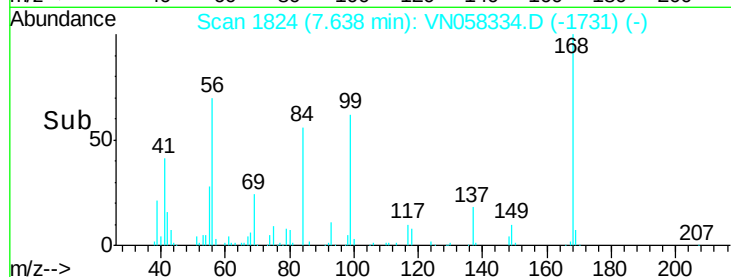
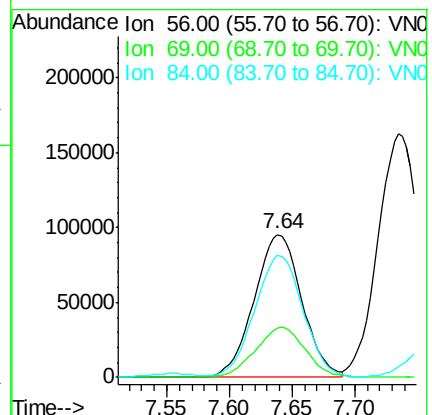
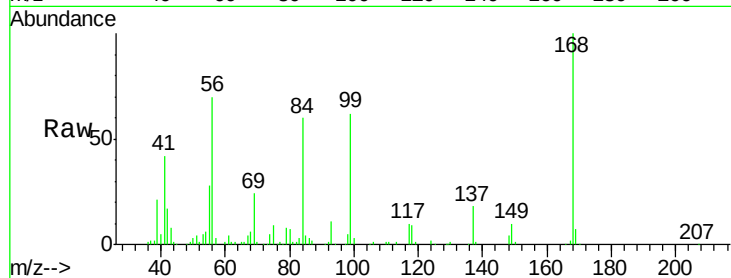
Tot Ion: 56 Resp: 252203

Ion Ratio Lower Upper

56 100

69 34.8 27.3 40.9

84 83.6 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 52.350 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

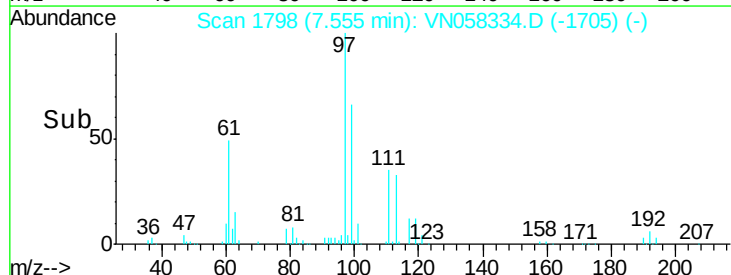
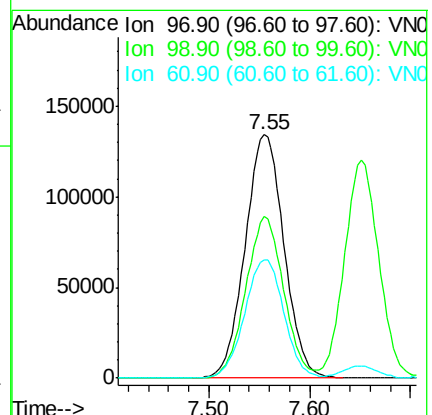
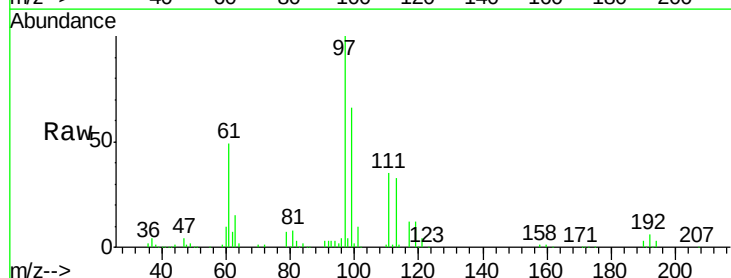
Tgt Ion: 97 Resp: 358705

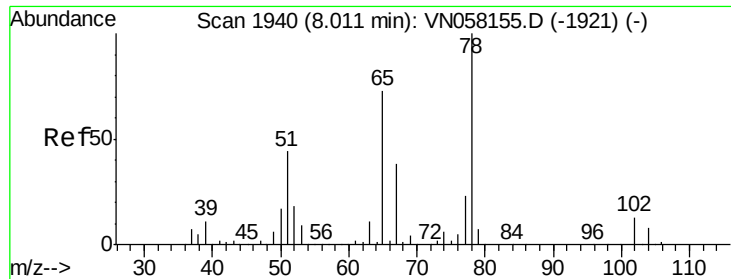
Ion Ratio Lower Upper

97 100

99 64.7 50.9 76.3

61 49.1 39.2 58.8

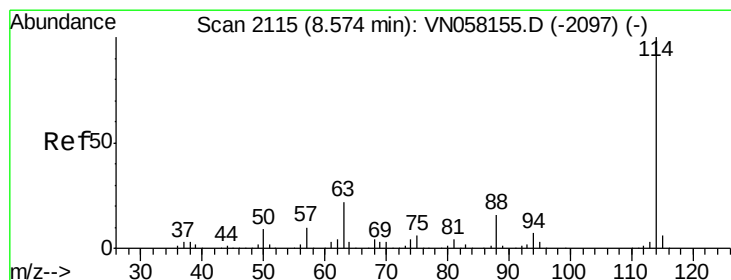
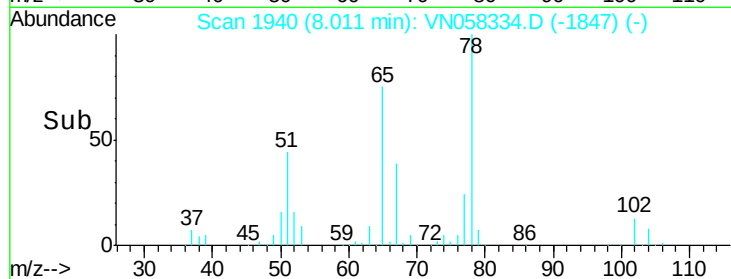
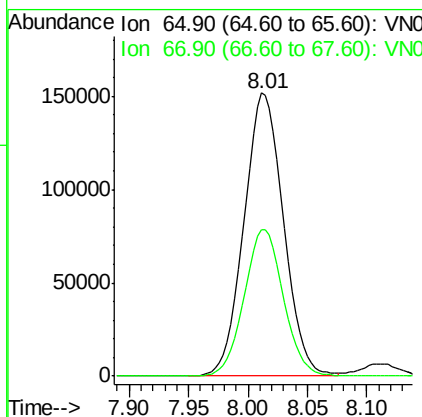
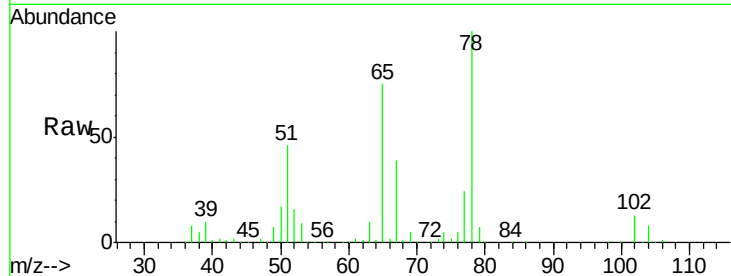




#33
 1,2-Dichloroethane-d4
 Concen: 53.773 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

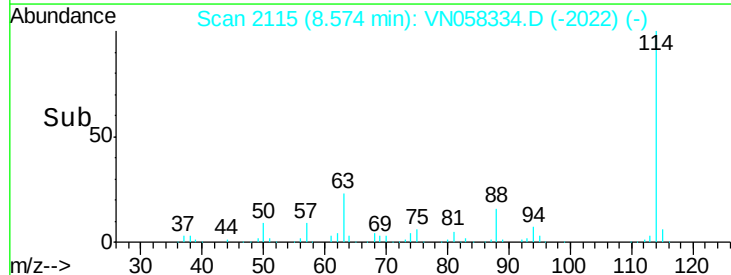
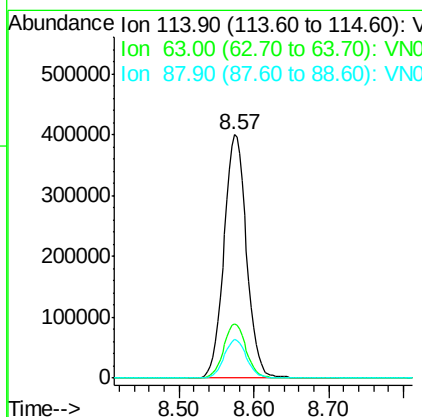
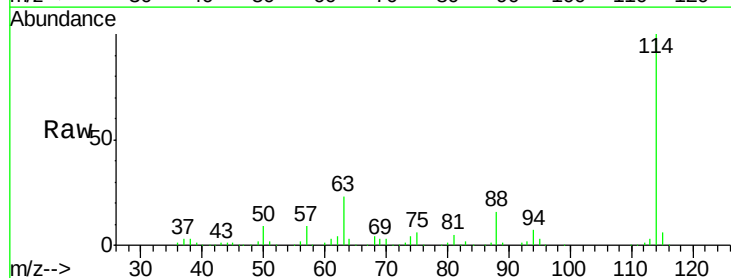
Instrument :
 MSVOA_N
 ClientSampleId :

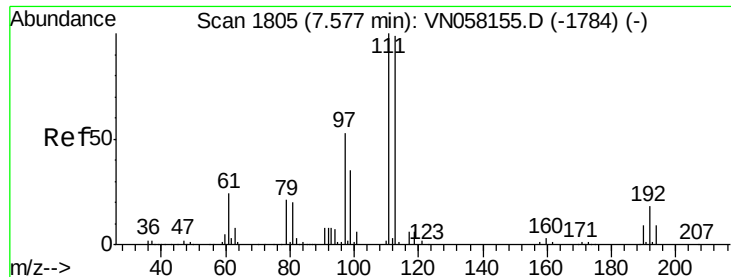
Tot Ion: 65 Resp: 349187
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

Tgt Ion: 114 Resp: 831858
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.2
 88 15.8 0.0 31.6

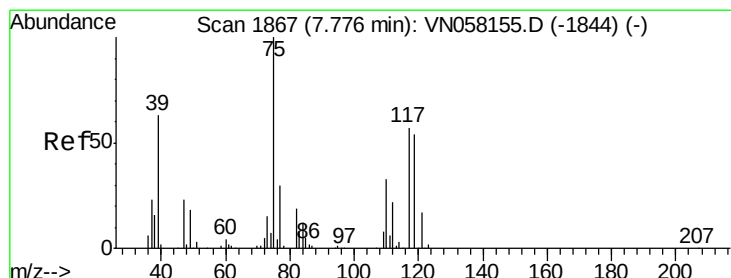
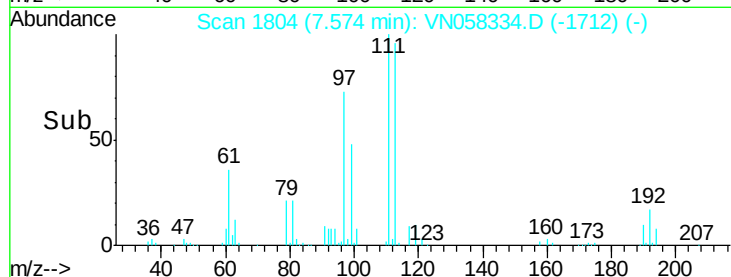
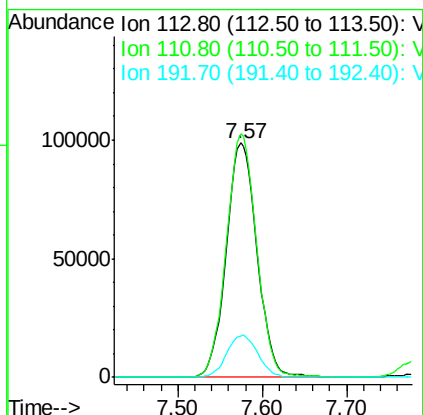
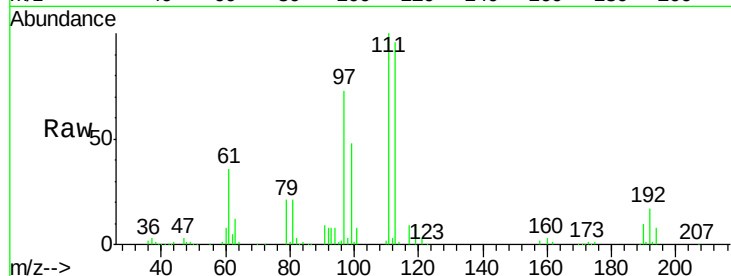




#35
 Dibromofluoromethane
 Concen: 49.487 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

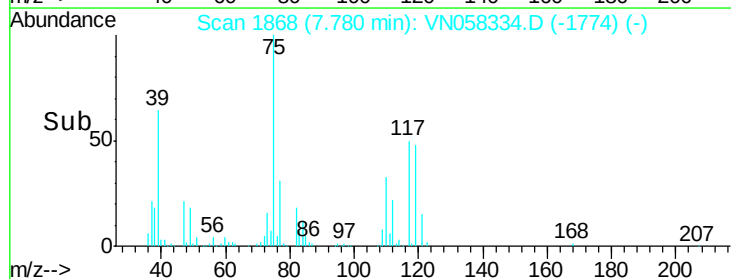
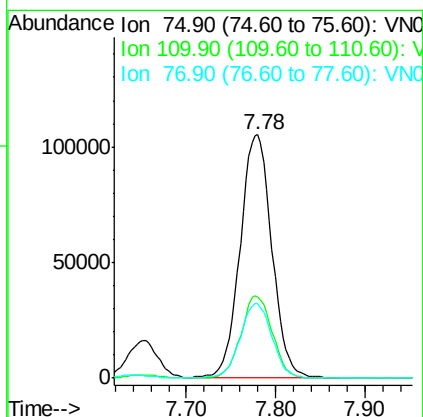
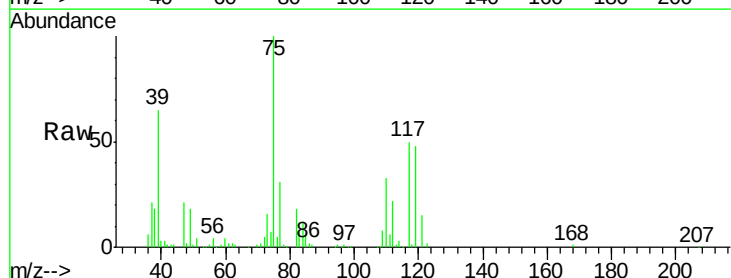
Instrument :
 MSVOA_N
 ClientSampleId :

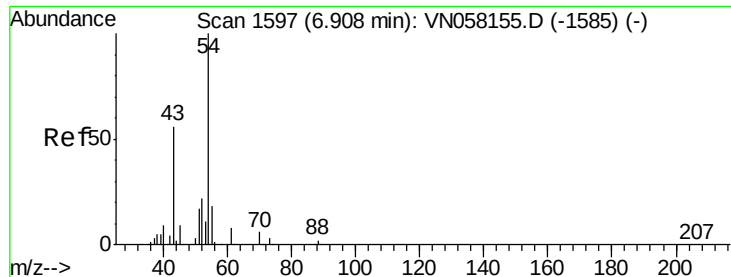
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	18.3	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 43.080 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.6	49.7
77	30.9	24.3	36.5

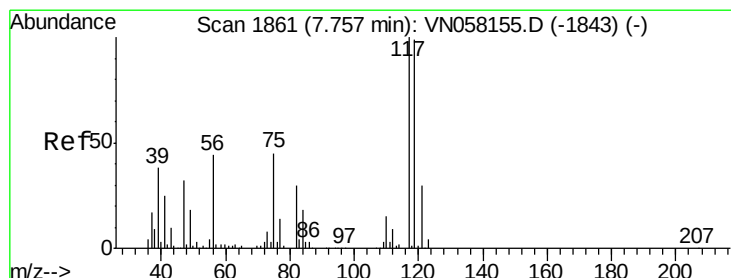
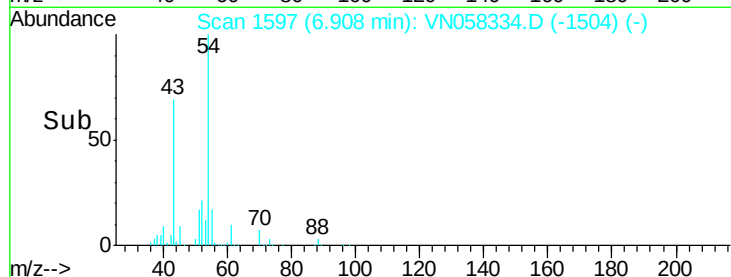
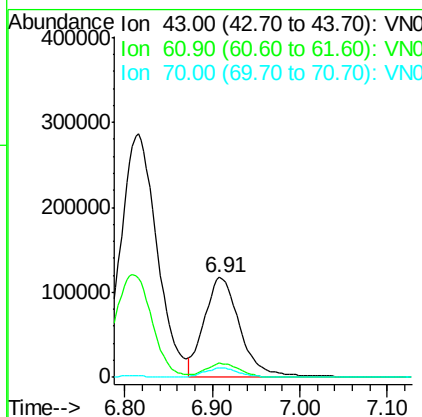
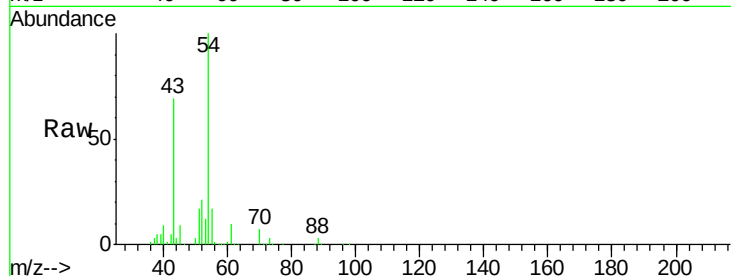




#37
Ethyl Acetate
Concen: 52.901 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

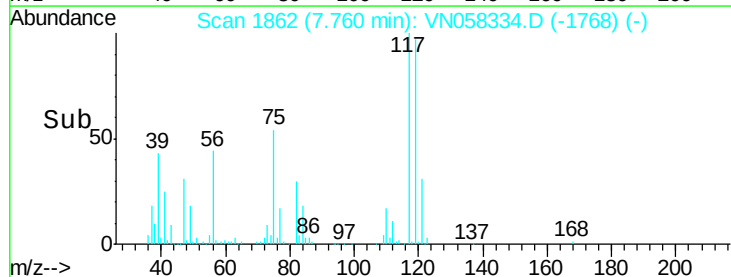
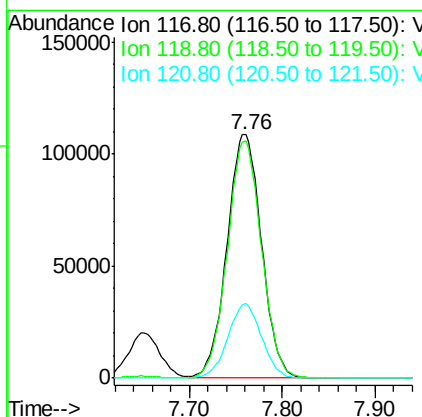
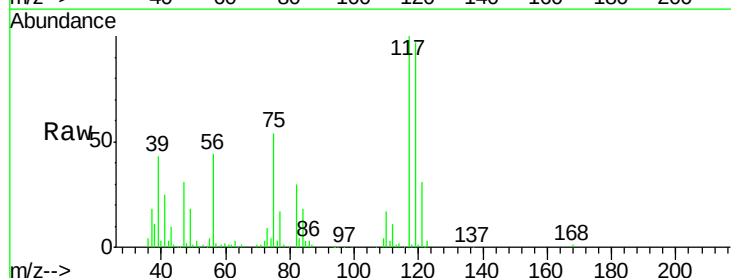
Instrument :
MSVOA_N
ClientSampleId :

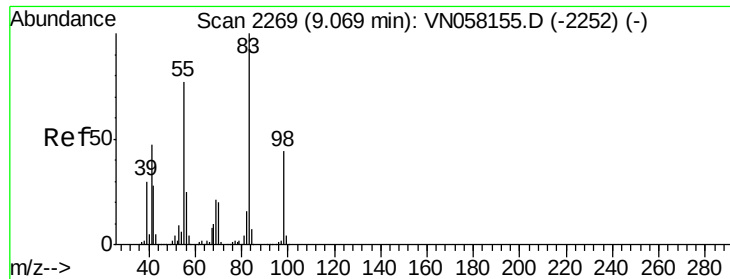
Tot Ion: 43 Resp: 329342
Ion Ratio Lower Upper
43 100
61 13.7 10.7 16.1
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 46.590 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Tgt Ion: 117 Resp: 280953
Ion Ratio Lower Upper
117 100
119 97.3 78.6 117.8
121 30.6 24.1 36.1

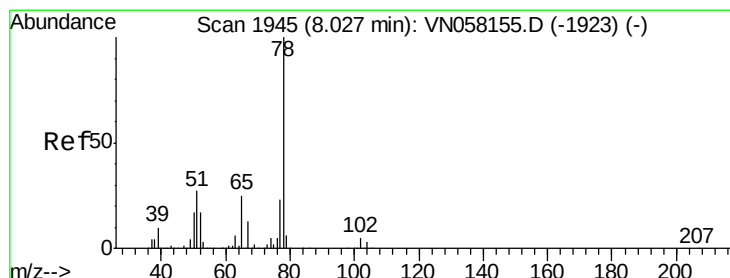
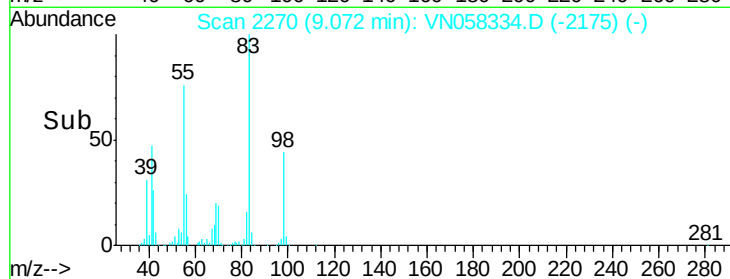
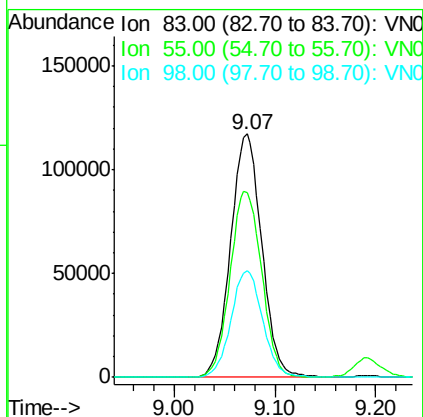
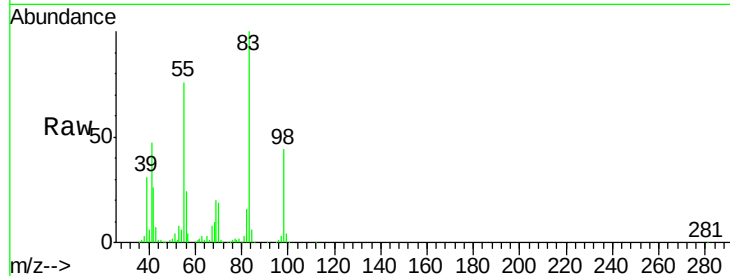




#39
Methylvlcyclohexane
Concen: 43.462 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

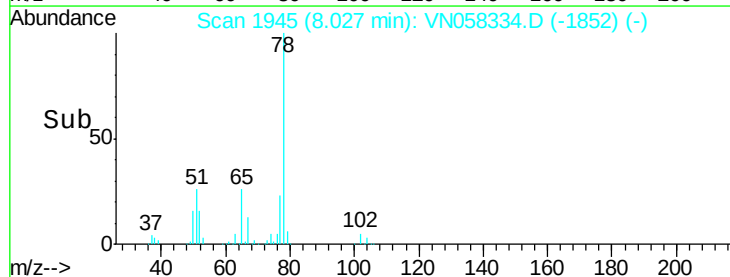
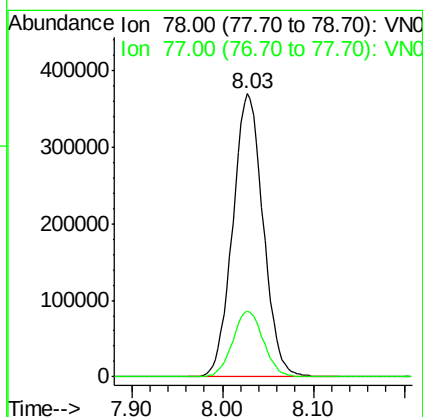
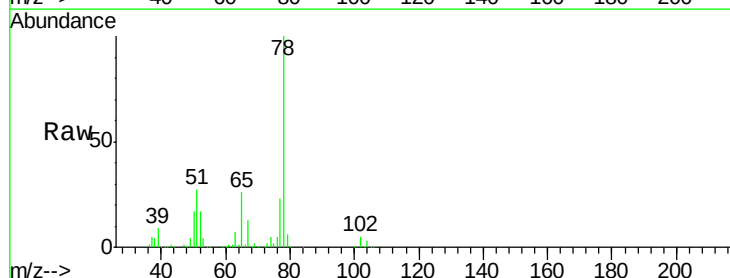
Instrument :
MSVOA_N
ClientSampled :

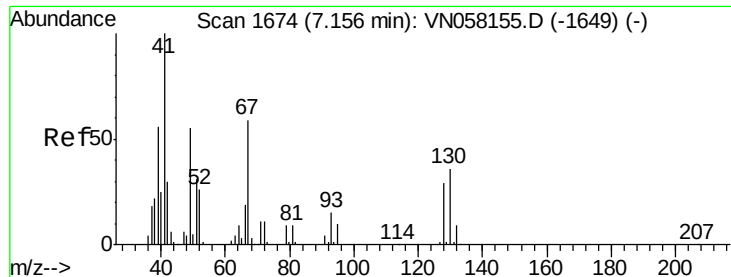
Tot Ion: 83 Resp: 252035
Ion Ratio Lower Upper
83 100
55 76.1 61.9 92.9
98 43.7 35.4 53.2



#40
Benzene
Concen: 46.906 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Tgt Ion: 78 Resp: 859445
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

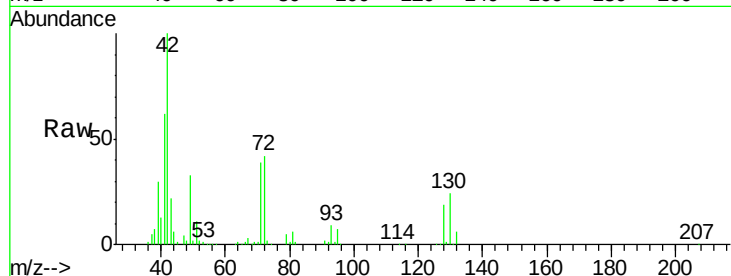




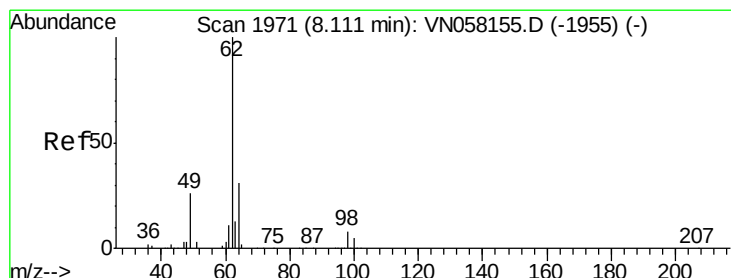
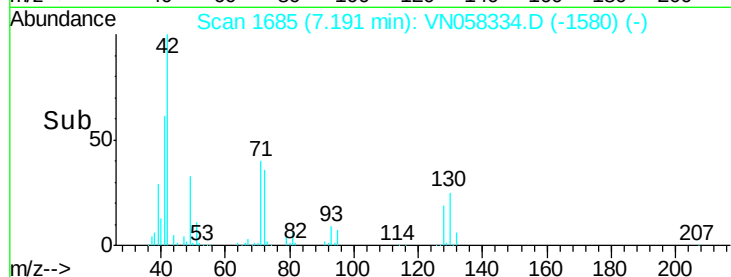
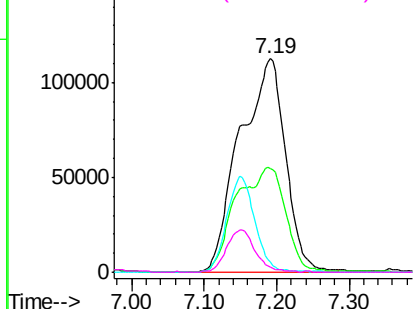
#41
Methacrylonitrile
Concen: 154.796 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	491584
Ion	Ratio	Lower	Upper
41	100		
39	53.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

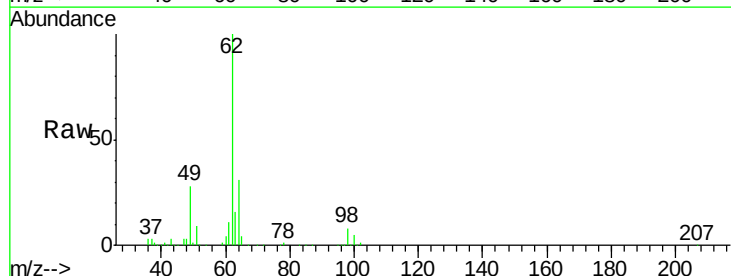


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

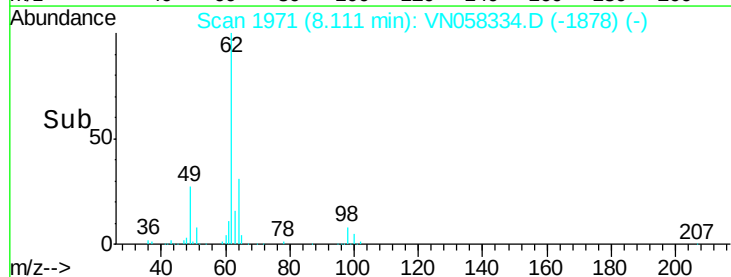
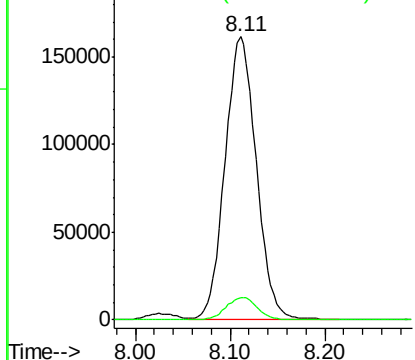


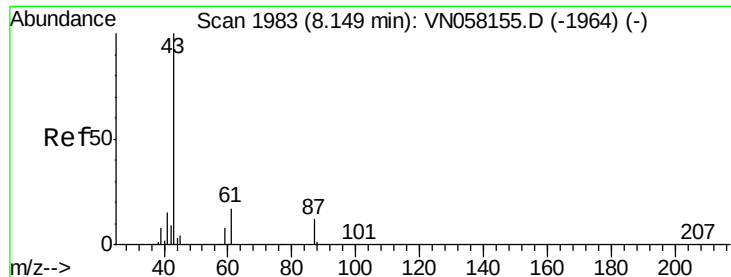
#42
1,2-Dichloroethane
Concen: 48.189 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Tgt Ion:	62	Resp:	370498
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

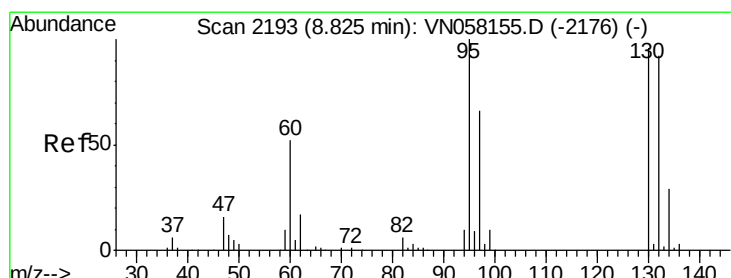
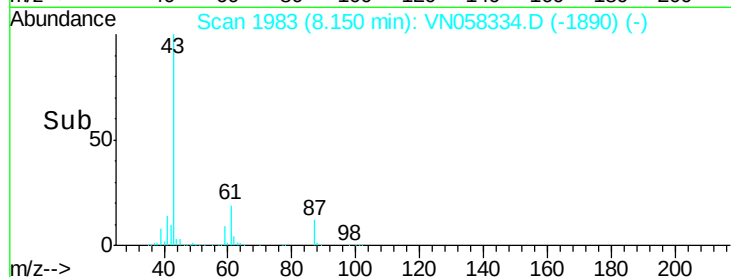
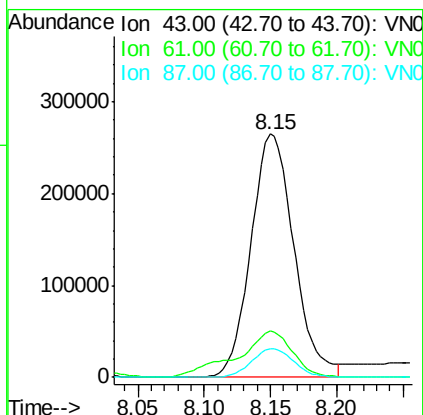
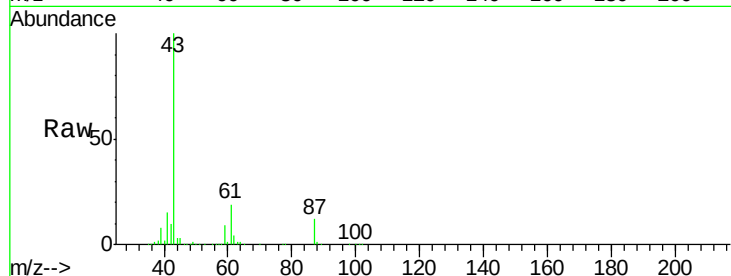




#43
Isopropyl Acetate
Concen: 51.131 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

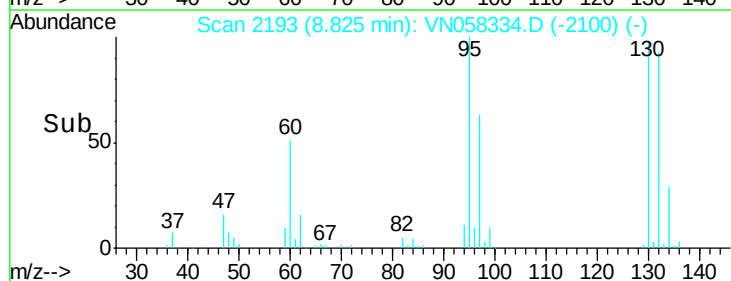
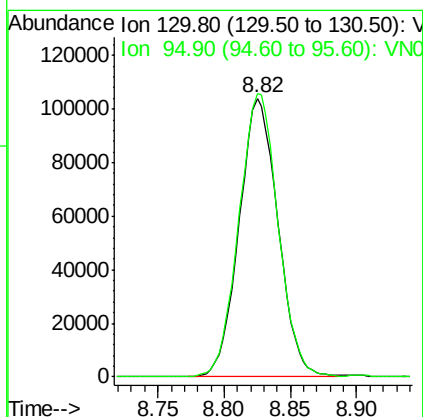
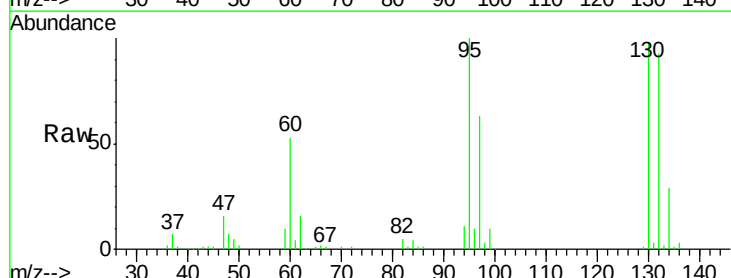
Instrument :
MSVOA_N
ClientSampleId :

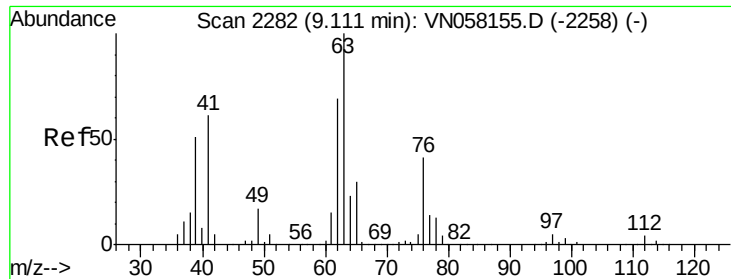
Tot Ion: 43 Resp: 594501
Ion Ratio Lower Upper
43 100
61 24.3 19.7 29.5
87 11.7 9.4 14.2



#44
Trichloroethene
Concen: 47.149 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Tgt Ion: 130 Resp: 211406
Ion Ratio Lower Upper
130 100
95 101.6 0.0 207.8

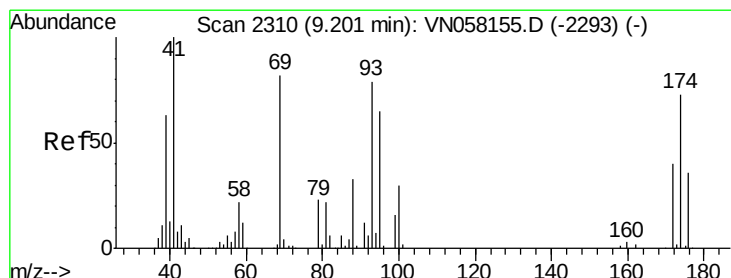
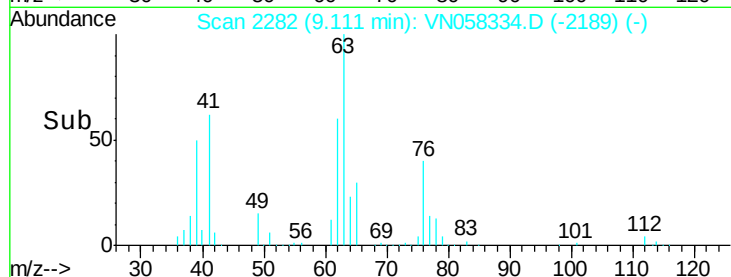
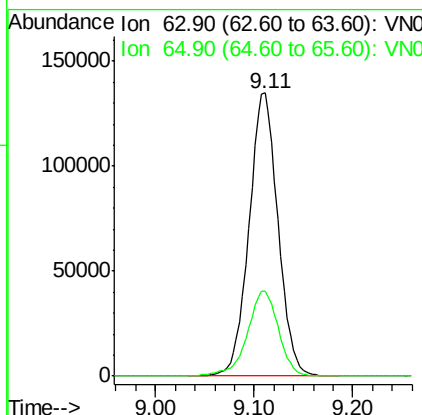
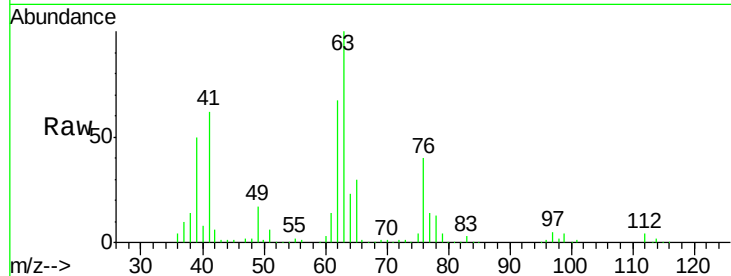




#45
 1,2-Dichloropropane
 Concen: 49.842 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

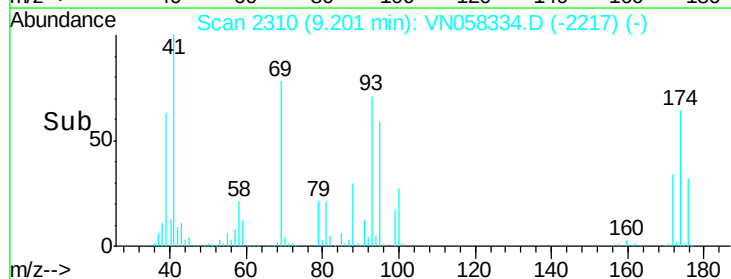
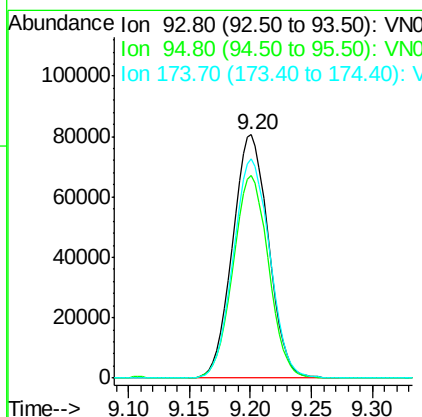
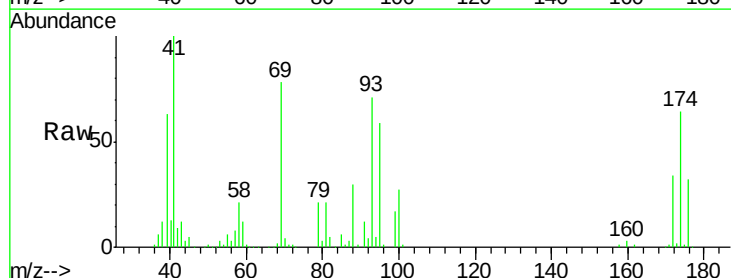
Instrument :
 MSVOA_N
 ClientSampleId :

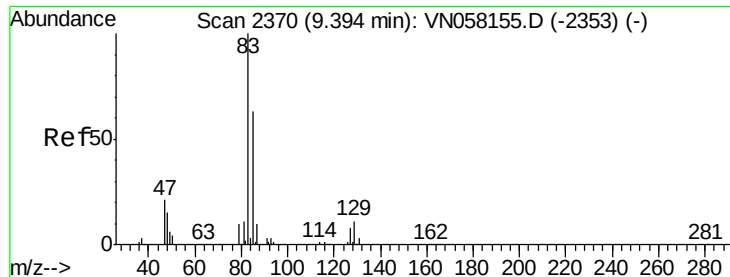
Tot Ion: 63 Resp: 272731
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.8 35.6



#46
 Dibromomethane
 Concen: 49.475 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

Tgt Ion: 93 Resp: 164593
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.8 100.2
 174 91.5 73.8 110.8





#47

Bromodichloromethane

Concen: 52.109 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

ClientSampled :

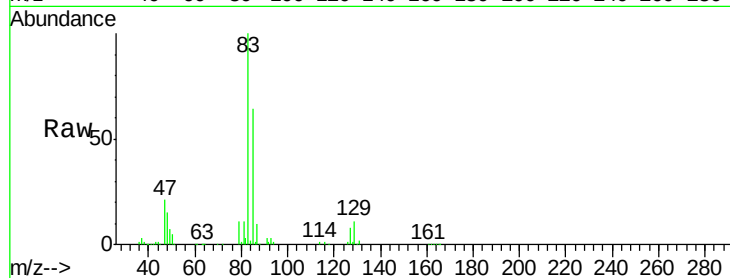
Tot Ion: 83 Resp: 363174

Ion Ratio Lower Upper

83 100

85 64.0 50.1 75.1

127 8.4 6.4 9.6

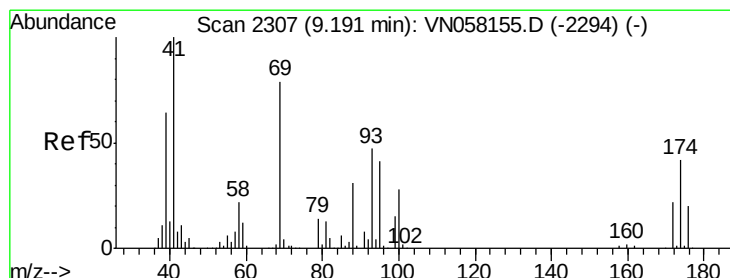
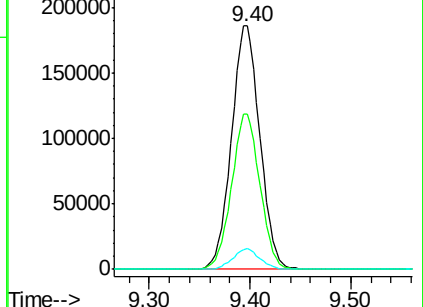
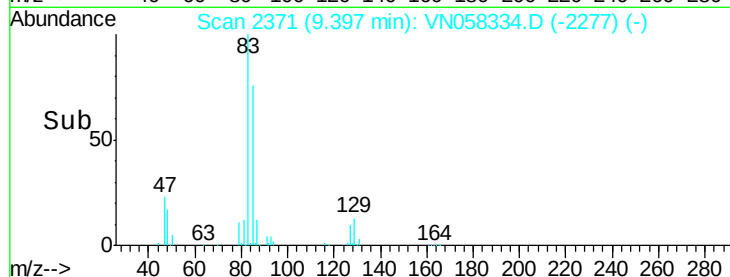


Abundance Ion 82.90 (82.60 to 83.60): VN058334.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058334.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058334.D (-2277) (-)

Time-->



#48

Methyl methacrylate

Concen: 53.566 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

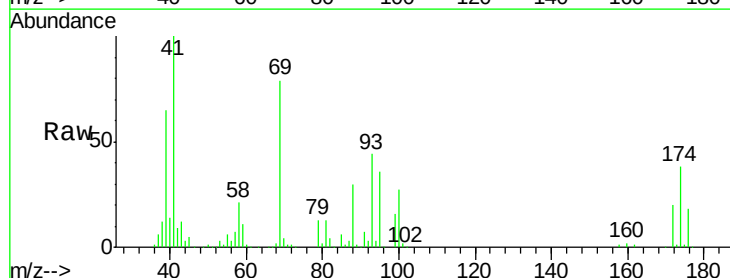
Tgt Ion: 41 Resp: 282780

Ion Ratio Lower Upper

41 100

69 79.2 62.5 93.7

39 64.2 52.3 78.5

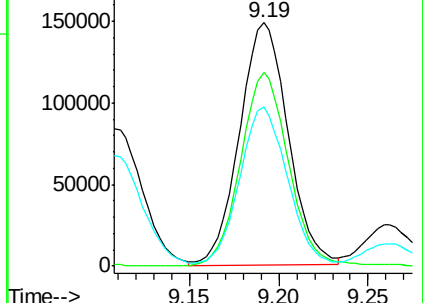
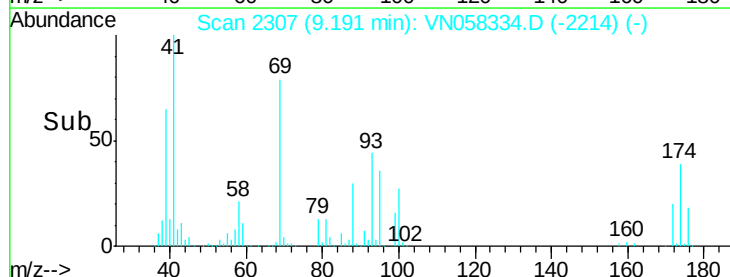


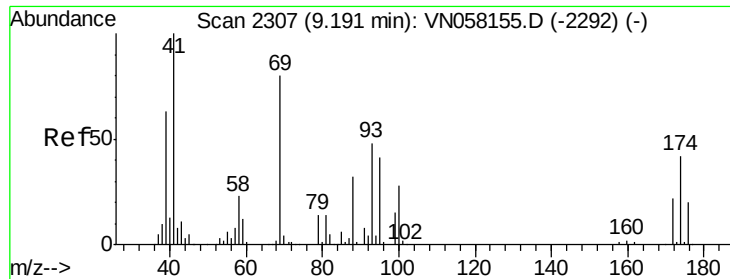
Abundance Ion 41.00 (40.70 to 41.70): VN058334.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058334.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058334.D (-2214) (-)

Time-->

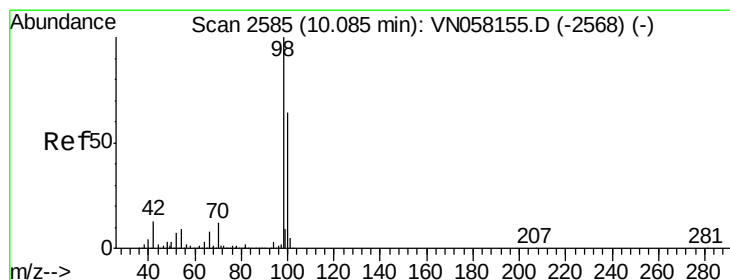
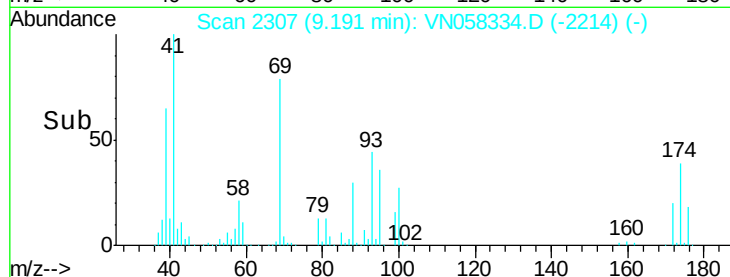
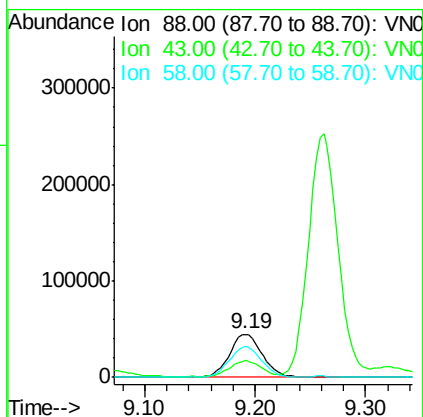
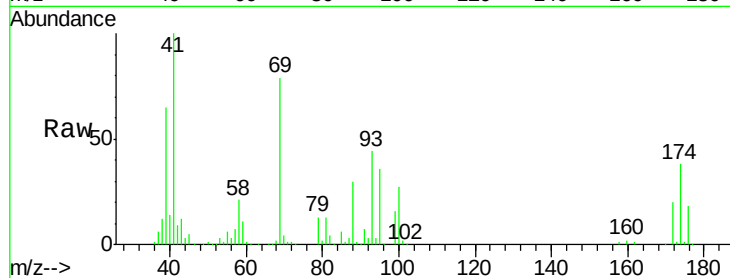




#49
 1,4-Dioxane
 Concen: 1066.420 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

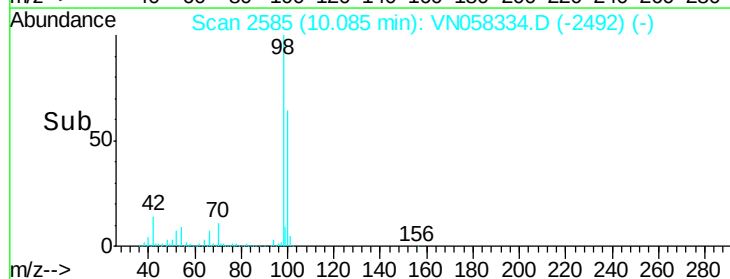
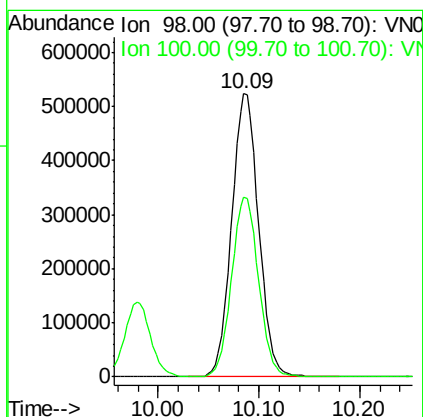
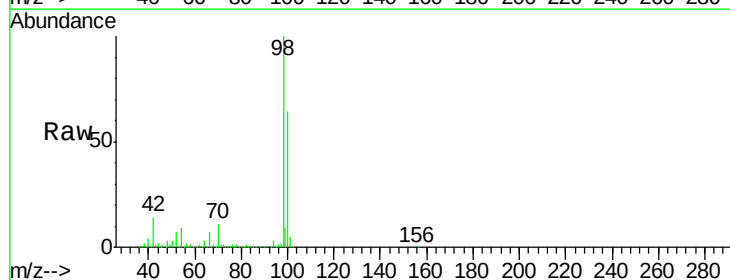
Instrument :
 MSVOA_N
 ClientSampled :

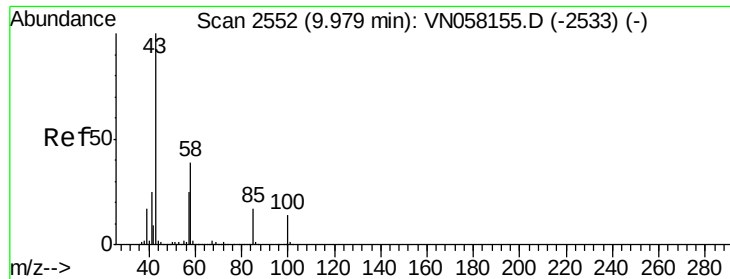
Tot Ion: 88 Resp: 92430
 Ion Ratio Lower Upper
 88 100
 43 34.4 27.8 41.8
 58 70.4 55.0 82.4



#50
 Toluene-d8
 Concen: 49.473 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

Tgt Ion: 98 Resp: 974776
 Ion Ratio Lower Upper
 98 100
 100 63.3 51.1 76.7

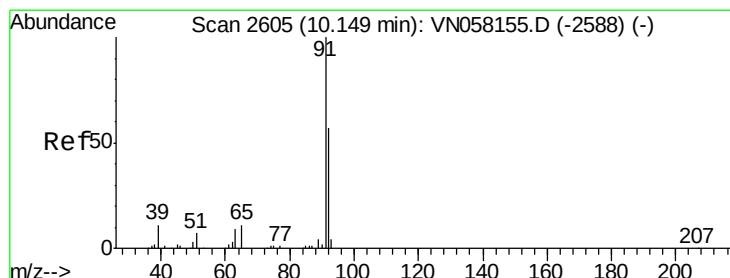
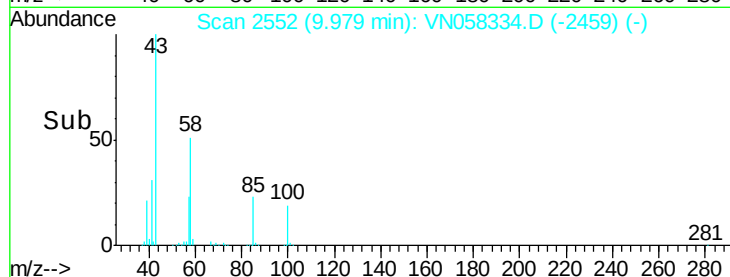
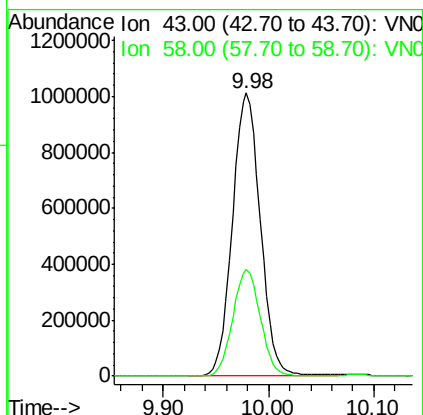
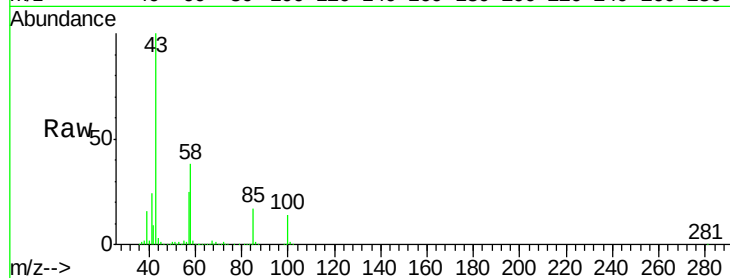




#51
 4-Methyl-2-Pentanone
 Concen: 300.308 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

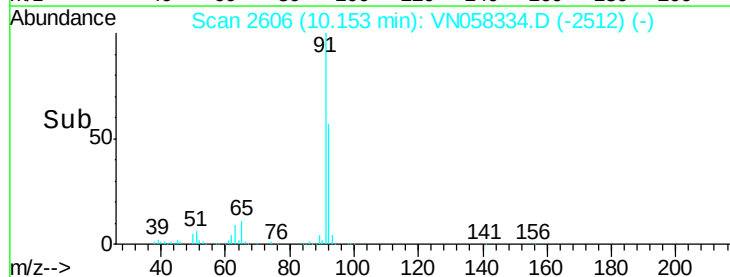
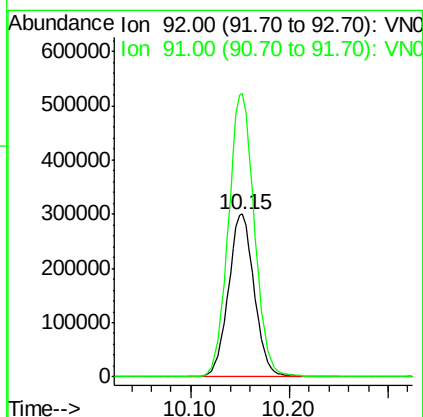
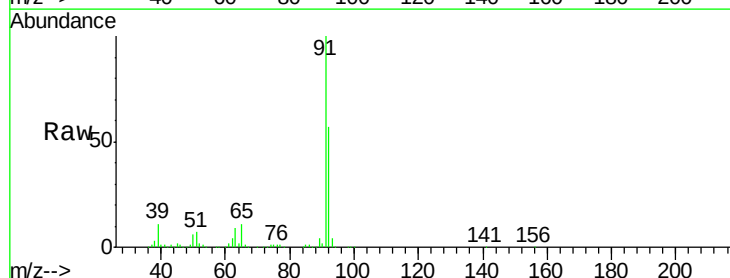
Instrument :
 MSVOA_N
 ClientSampleId :

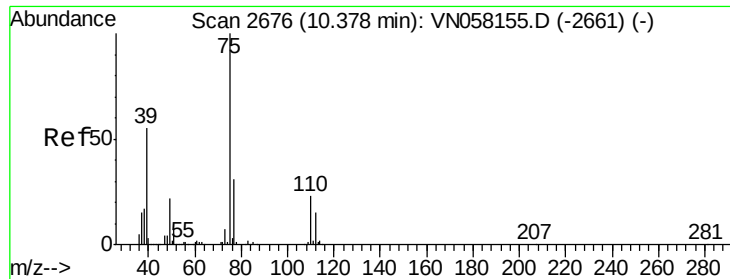
Tot Ion: 43 Resp: 1854616
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.2 45.4



#52
 Toluene
 Concen: 47.881 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

Tgt Ion: 92 Resp: 549821
 Ion Ratio Lower Upper
 92 100
 91 175.6 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 48.715 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

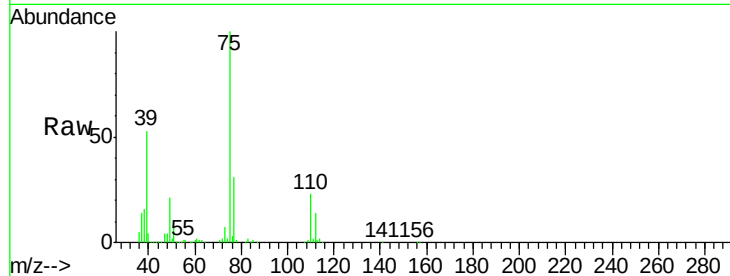
ClientSampleId :

Tot Ion: 75 Resp: 347791

Ion Ratio Lower Upper

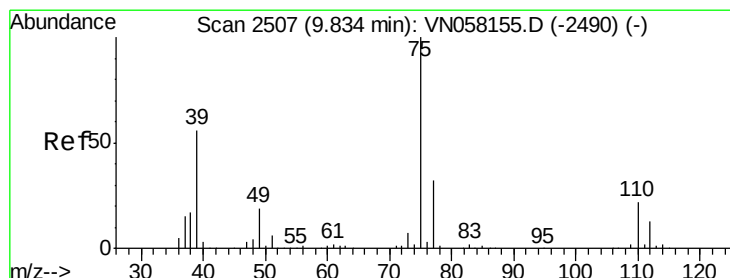
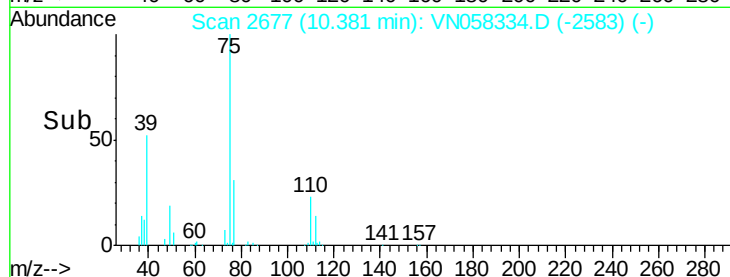
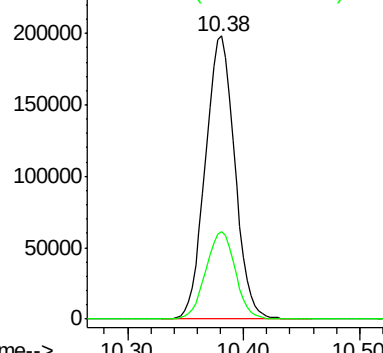
75 100

77 30.9 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 47.326 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

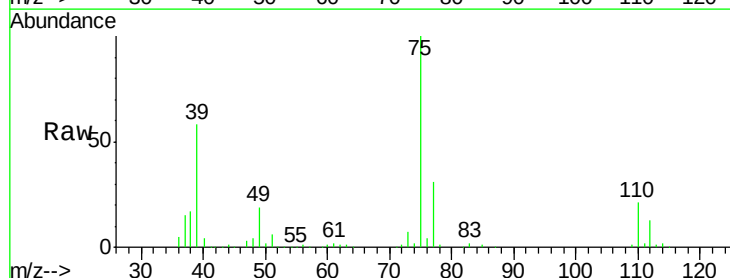
Tgt Ion: 75 Resp: 373035

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

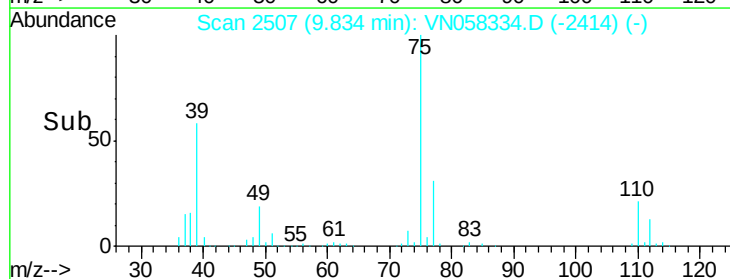
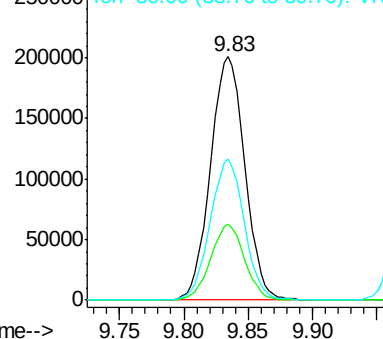
39 57.7 45.0 67.6

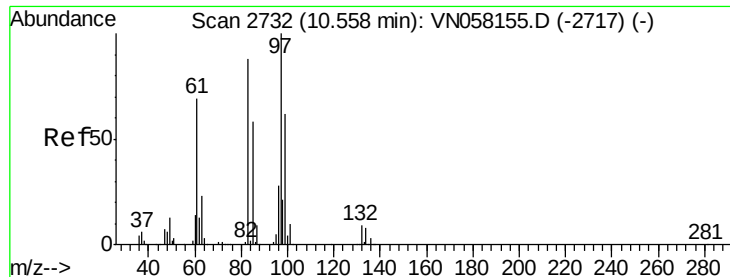


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

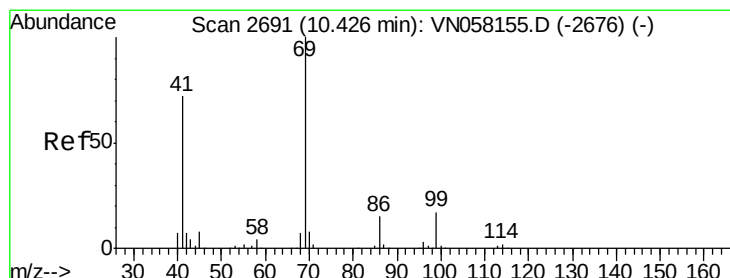
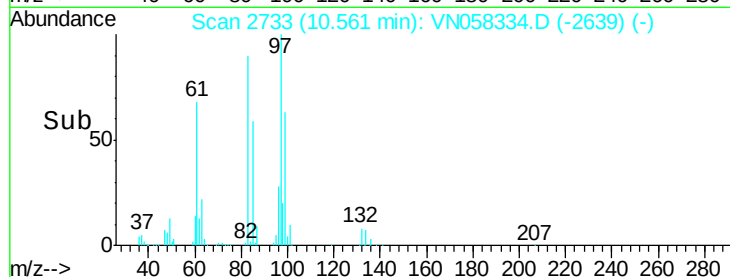
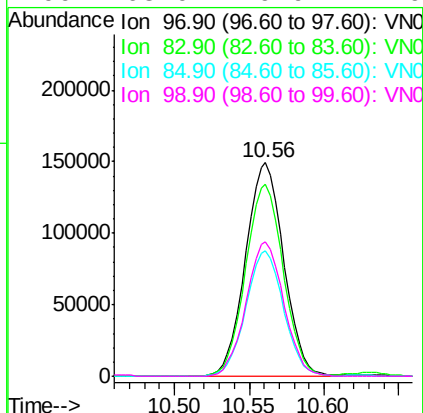
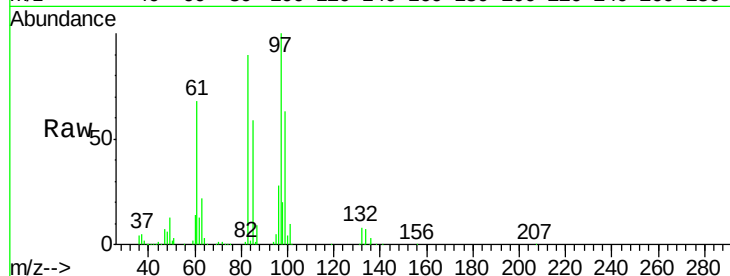




#55
 1,1,2-Trichloroethane
 Concen: 52.032 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

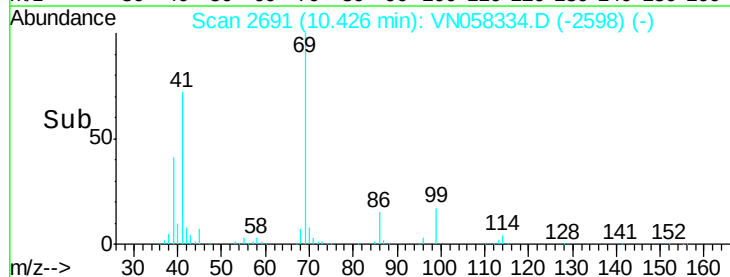
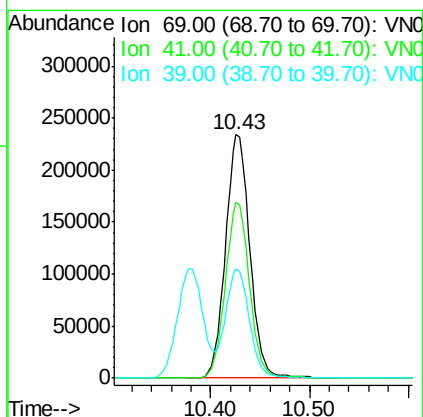
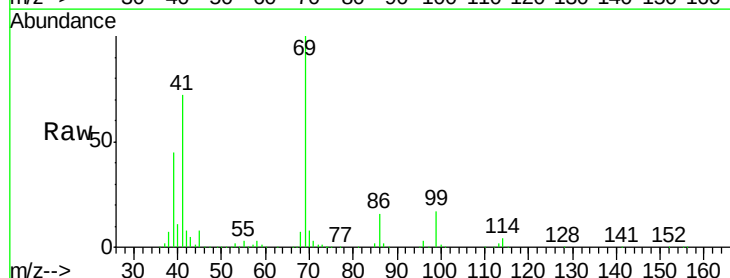
Instrument :
 MSVOA_N
 ClientSampleId :

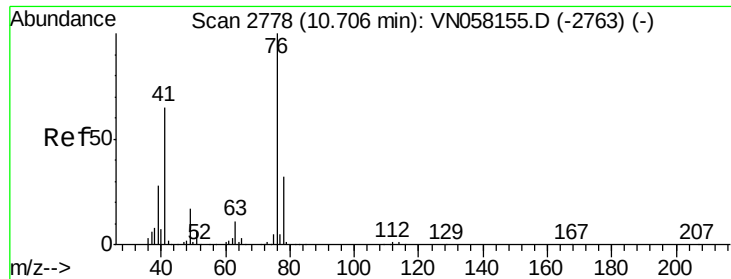
Tot Ion: 97 Resp: 265151
 Ion Ratio Lower Upper
 97 100
 83 89.7 70.4 105.6
 85 58.6 46.8 70.2
 99 63.0 49.9 74.9



#56
 Ethyl methacrylate
 Concen: 54.939 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

Tgt Ion: 69 Resp: 403939
 Ion Ratio Lower Upper
 69 100
 41 71.1 57.5 86.3
 39 43.9 36.1 54.1





#57

1,3-Dichloropropane

Concen: 51.067 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

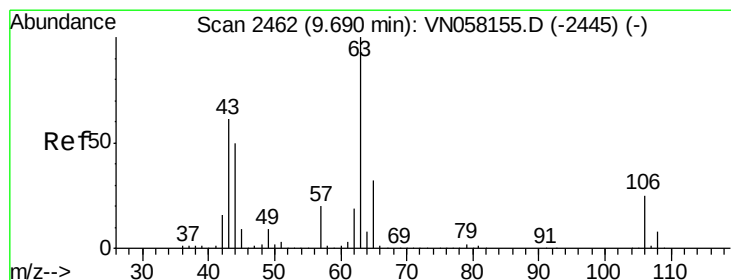
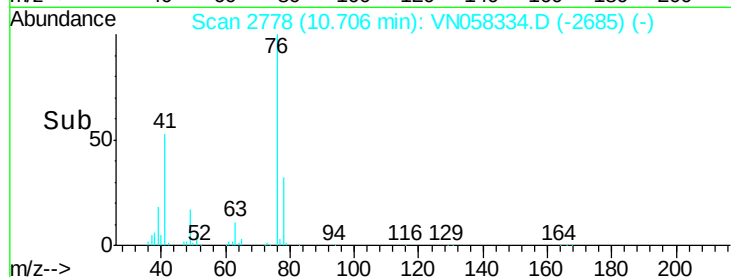
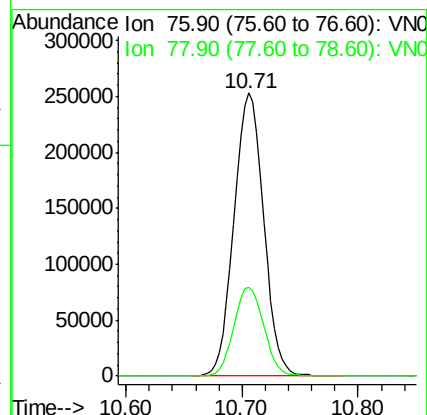
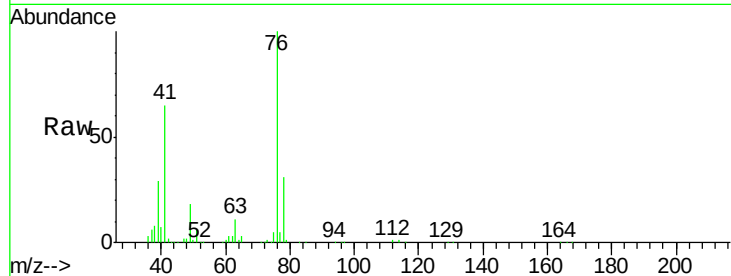
ClientSampled :

Tot Ion: 76 Resp: 447369

Ion Ratio Lower Upper

76 100

78 31.8 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 279.701 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058334.D

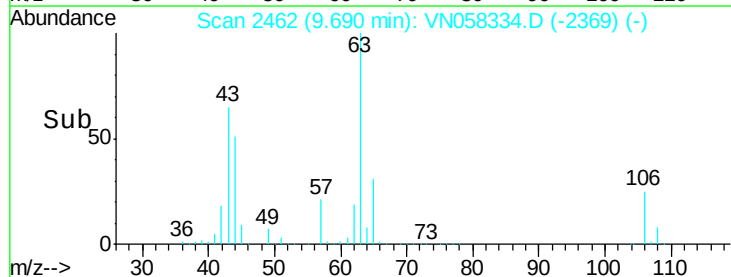
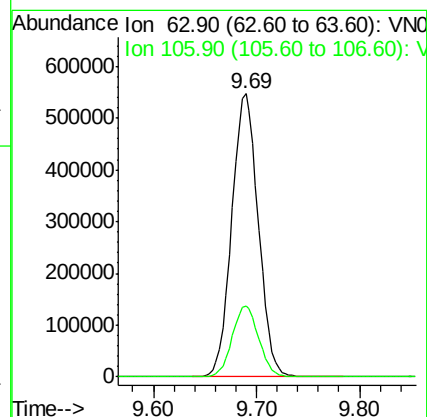
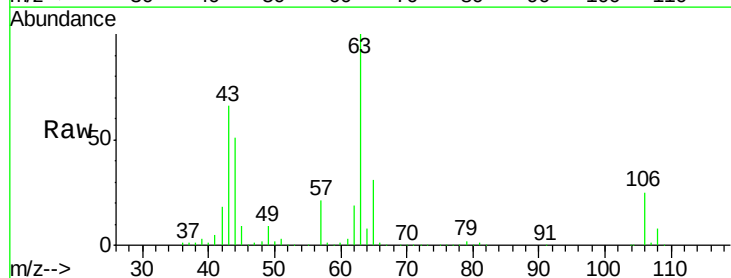
Acq: 24 Sep 2019 8:08

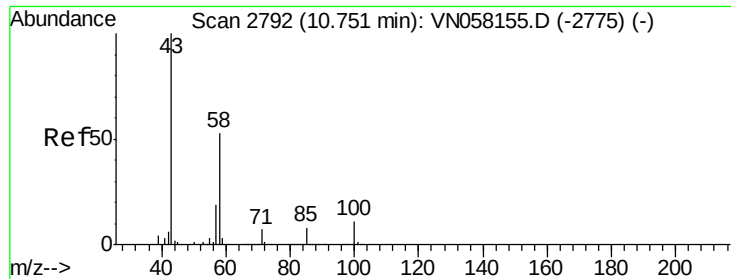
Tgt Ion: 63 Resp: 979569

Ion Ratio Lower Upper

63 100

106 25.0 19.9 29.9

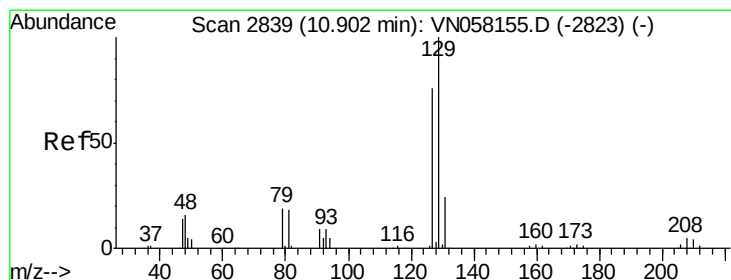
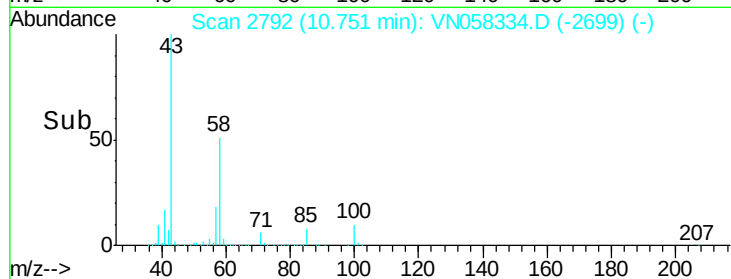
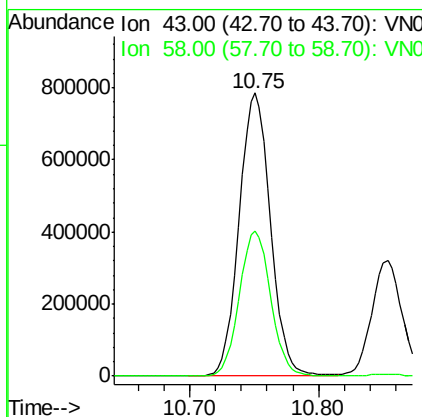
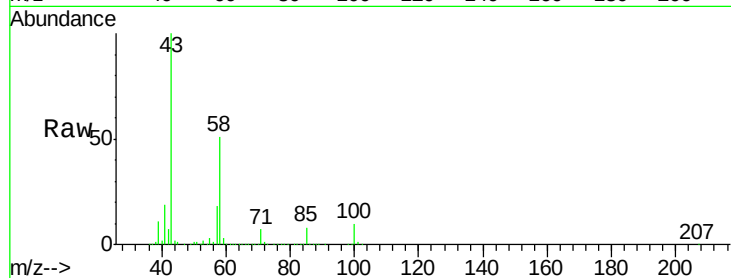




#59
2-Hexanone
Concen: 288.663 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

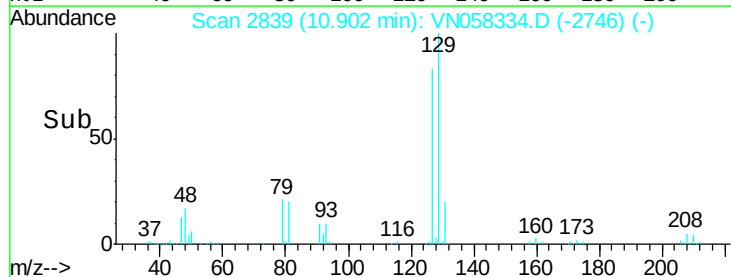
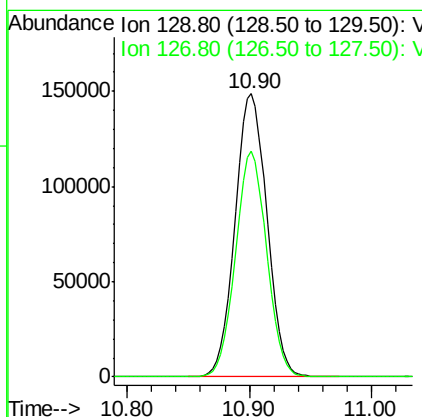
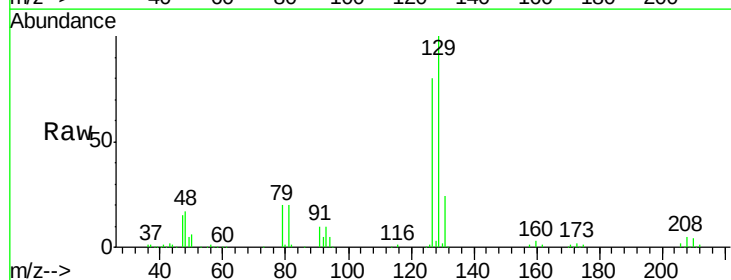
Instrument :
MSVOA_N
ClientSampleId :

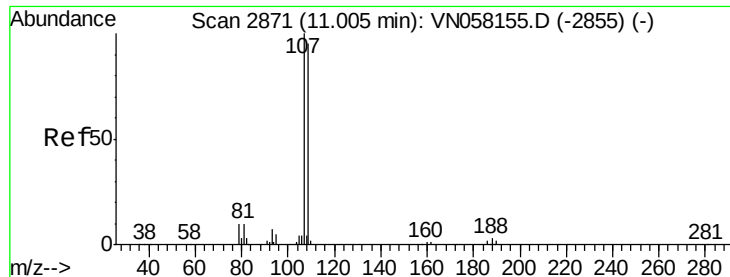
Tot Ion: 43 Resp: 1323994
Ion Ratio Lower Upper
43 100
58 51.5 26.0 78.0



#60
Dibromochloromethane
Concen: 54.935 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Tgt Ion: 129 Resp: 269322
Ion Ratio Lower Upper
129 100
127 77.6 38.7 116.1





#61

1,2-Dibromoethane

Concen: 52.206 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

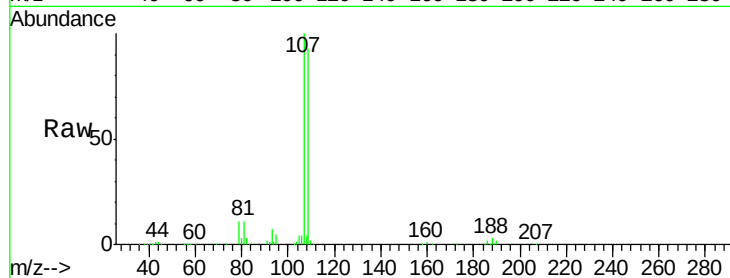
ClientSampleId :

Tot Ion: 107 Resp: 246545

Ion Ratio Lower Upper

107 100

109 93.9 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

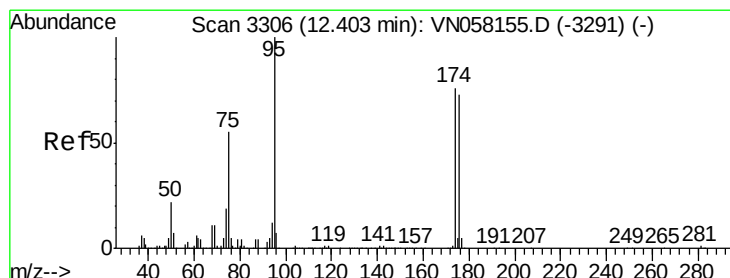
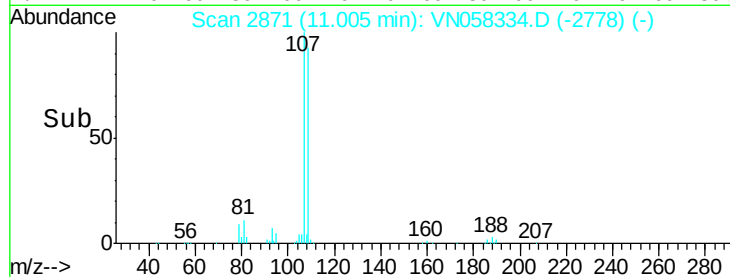
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.783 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

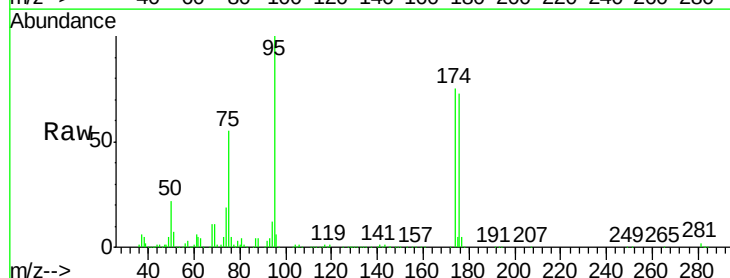
Tgt Ion: 95 Resp: 364362

Ion Ratio Lower Upper

95 100

174 75.2 0.0 152.2

176 73.4 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

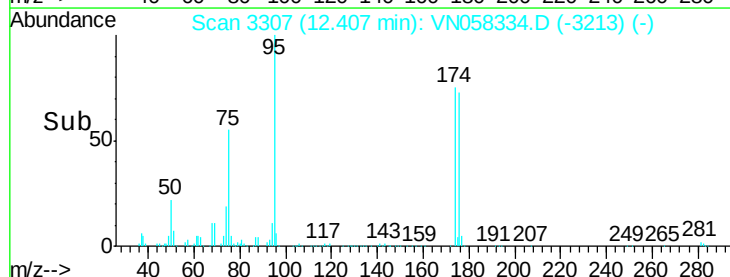
150000

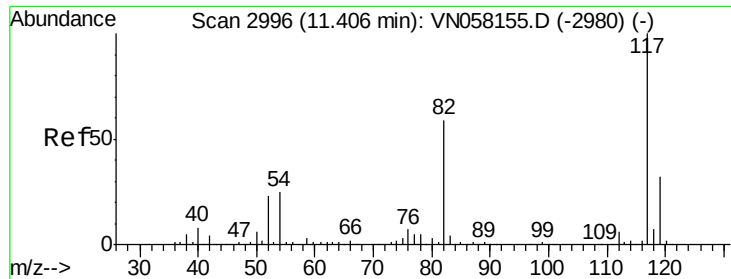
100000

50000

0

Time-->

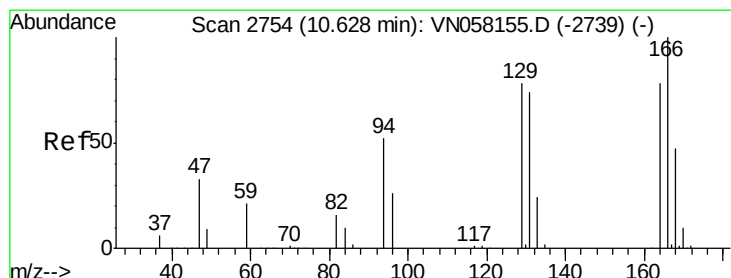
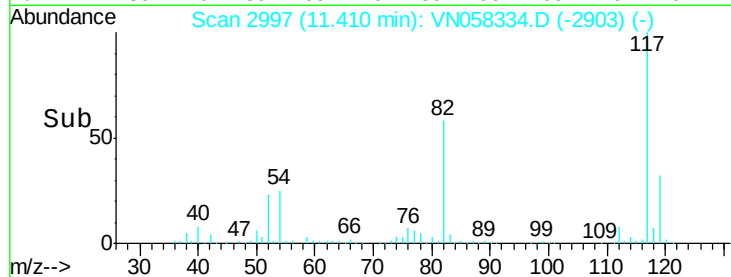
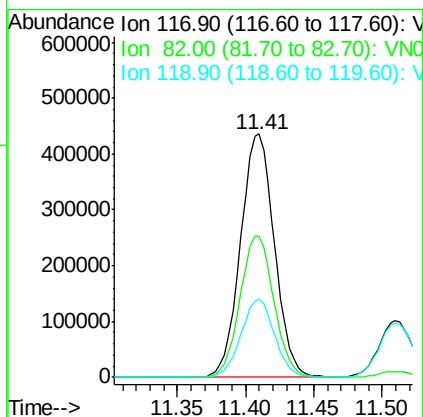
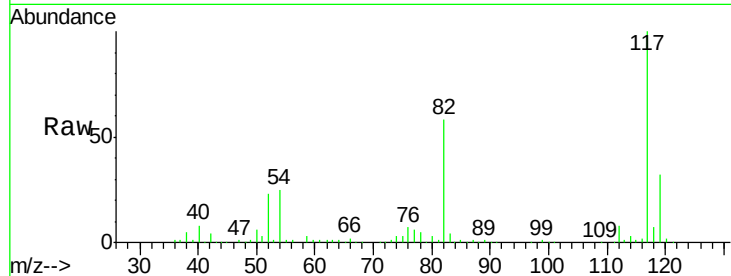




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

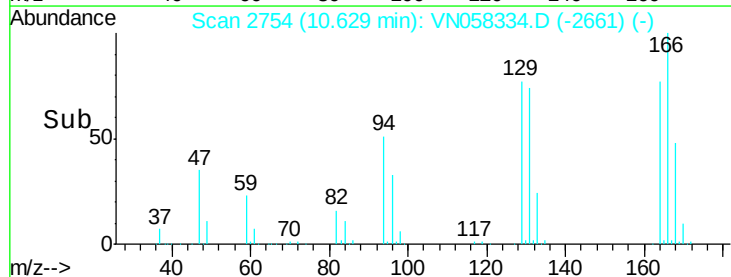
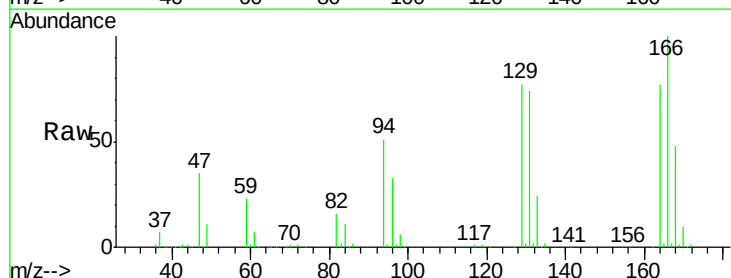
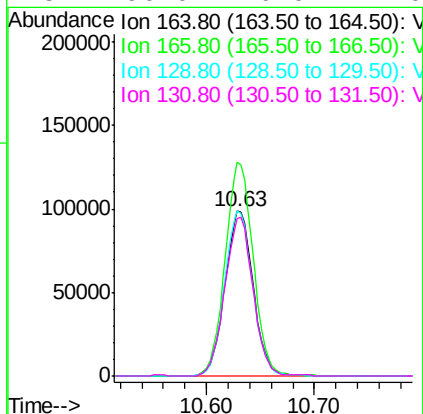
Instrument :
MSVOA_N
ClientSampled :

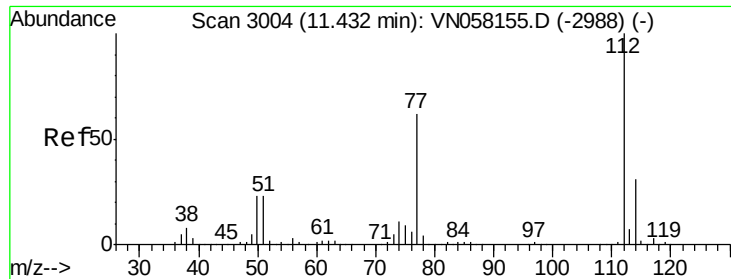
Tot Ion:117 Resp: 752560
Ion Ratio Lower Upper
117 100
82 57.9 46.9 70.3
119 32.1 25.3 37.9



#64
Tetrachloroethene
Concen: 49.061 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Tgt Ion:164 Resp: 179984
Ion Ratio Lower Upper
164 100
166 129.7 102.2 153.4
129 100.3 79.6 119.4
131 96.0 76.0 114.0

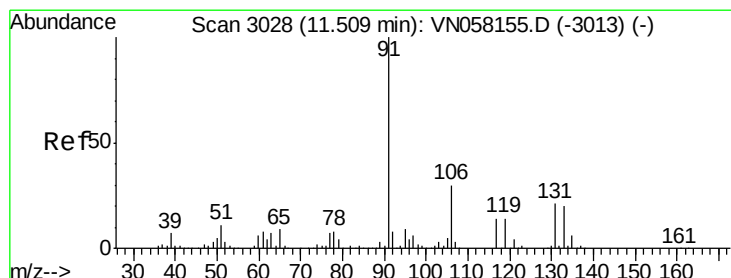
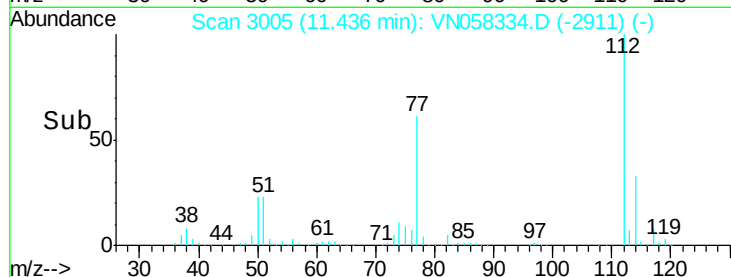
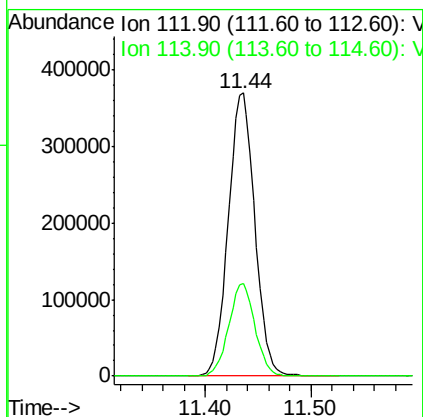
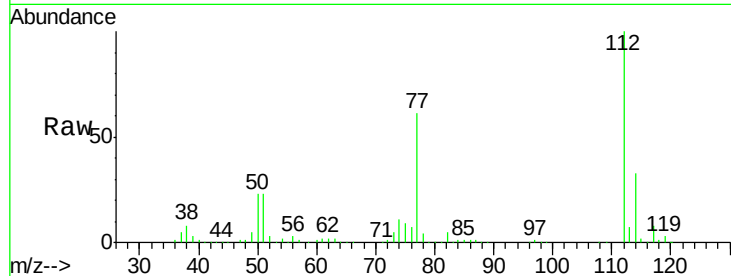




#65
Chlorobenzene
Concen: 48.466 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

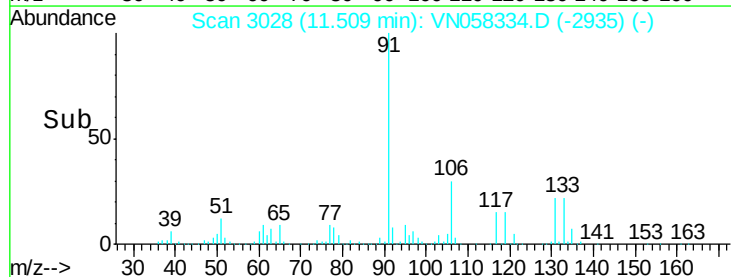
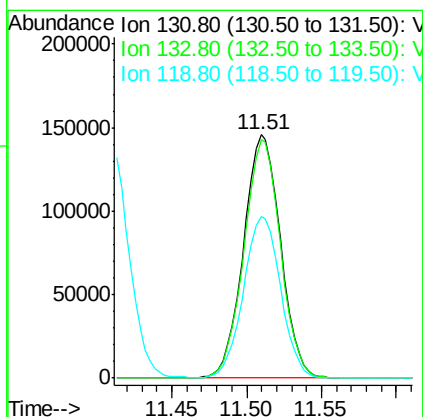
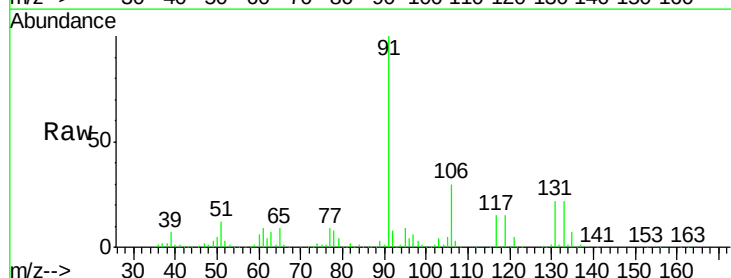
Instrument :
MSVOA_N
ClientSampled :

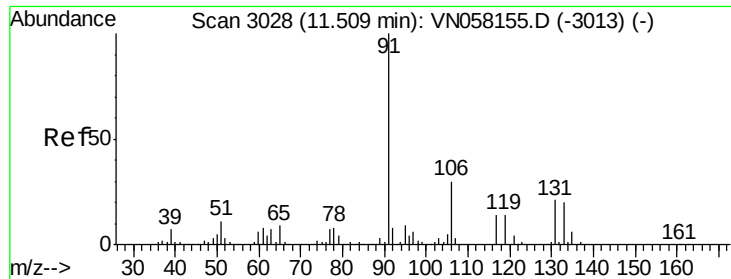
Tot Ion:112 Resp: 641544
Ion Ratio Lower Upper
112 100
114 32.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.209 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Tgt Ion:131 Resp: 250590
Ion Ratio Lower Upper
131 100
133 97.0 47.8 143.3
119 66.9 33.1 99.3

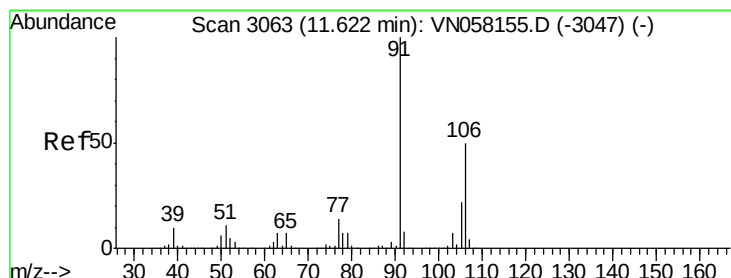
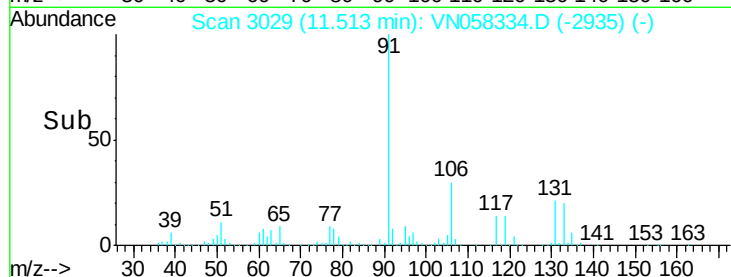
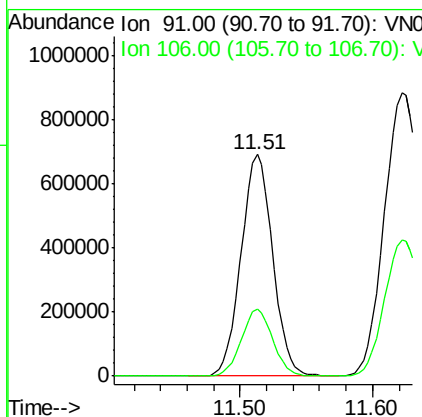
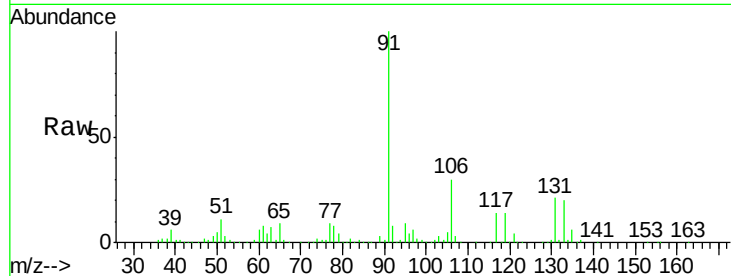




#67
Ethyl Benzene
Concen: 50.452 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

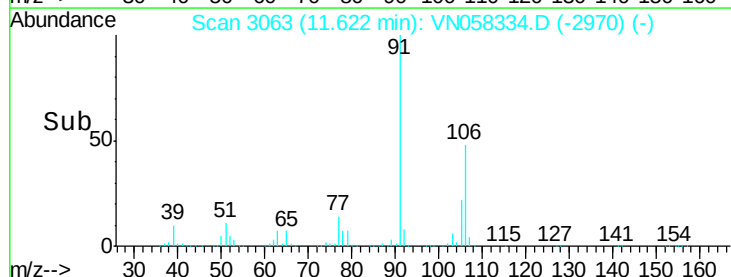
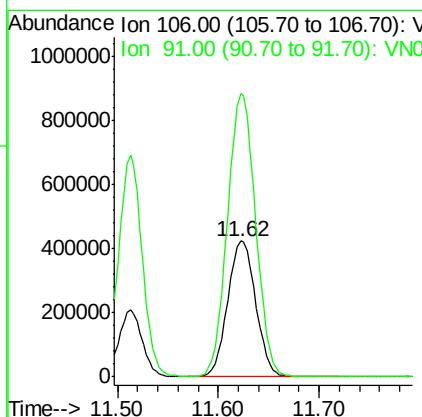
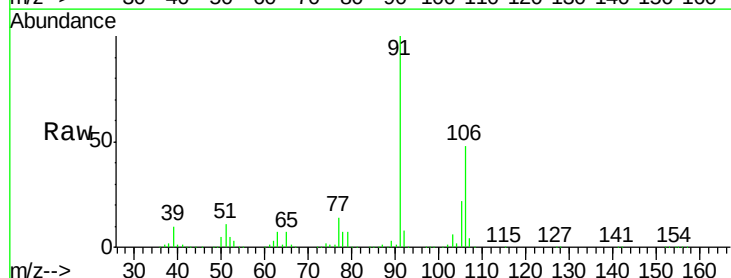
Instrument :
MSVOA_N
ClientSampled :

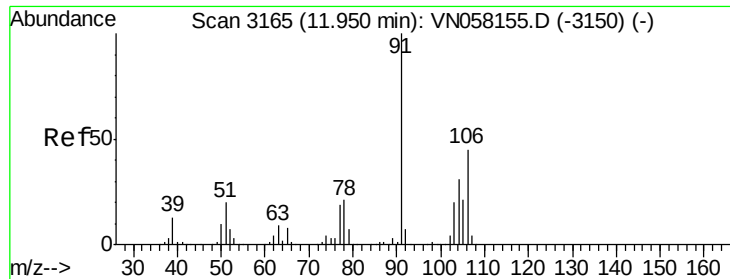
Tot Ion: 91 Resp: 1144326
Ion Ratio Lower Upper
91 100
106 30.3 24.0 36.0



#68
m/p-Xylenes
Concen: 96.253 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Tgt Ion: 106 Resp: 822241
Ion Ratio Lower Upper
106 100
91 208.8 163.6 245.4

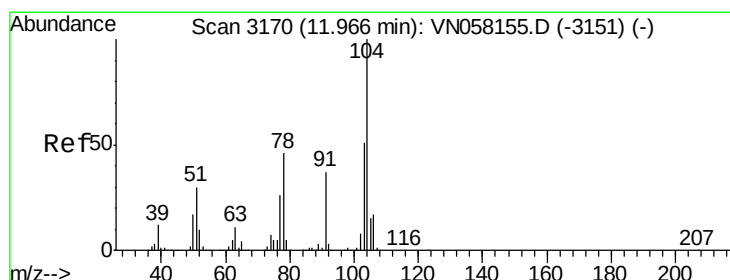
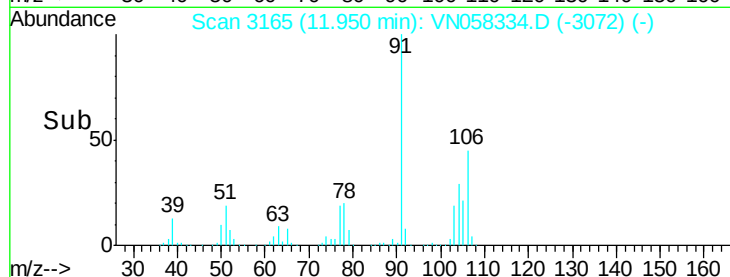
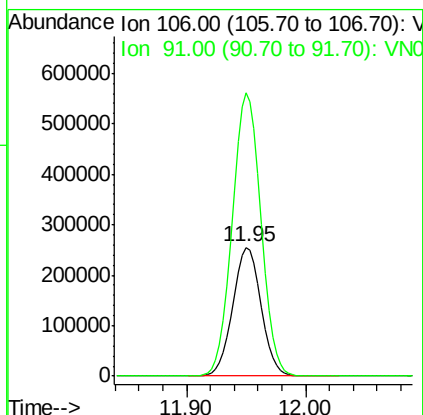
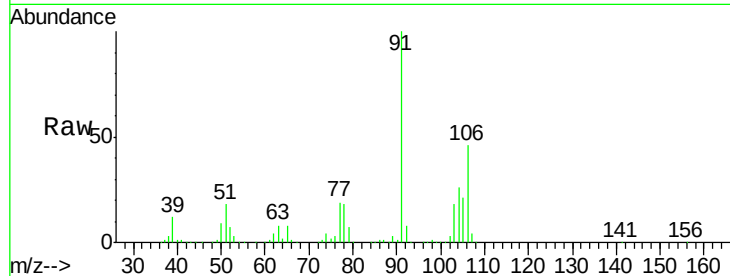




#69
o-Xylene
Concen: 50.105 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

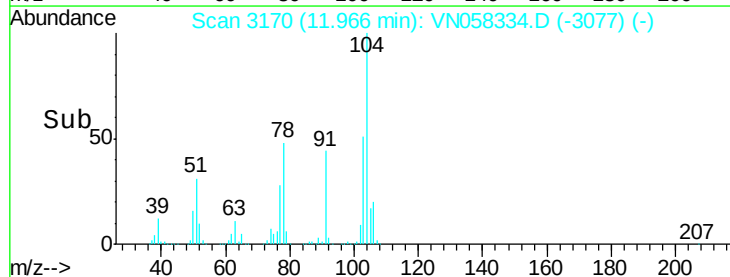
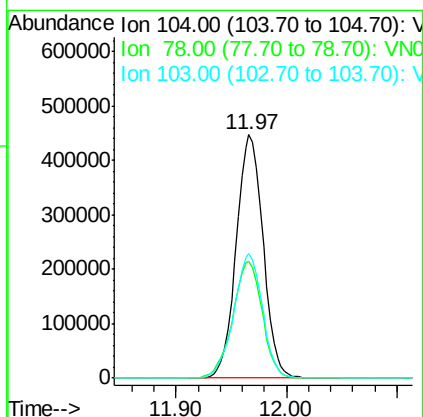
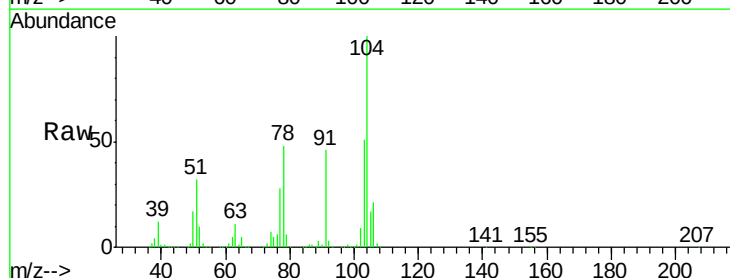
Instrument :
MSVOA_N
ClientSampled :

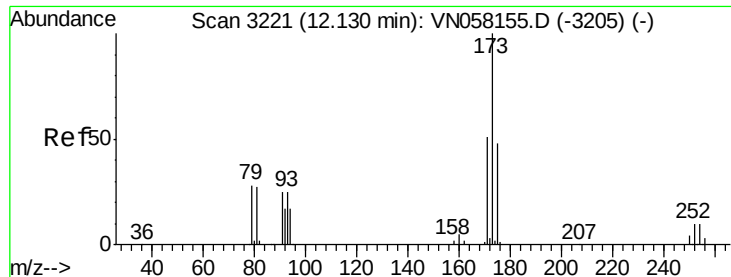
Tot Ion:106 Resp: 420870
Ion Ratio Lower Upper
106 100
91 221.8 111.8 335.3



#70
Styrene
Concen: 52.144 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Tgt Ion:104 Resp: 754668
Ion Ratio Lower Upper
104 100
78 52.6 41.8 62.8
103 54.5 44.2 66.2





#71

Bromoform

Concen: 48.425 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

ClientSampleId :

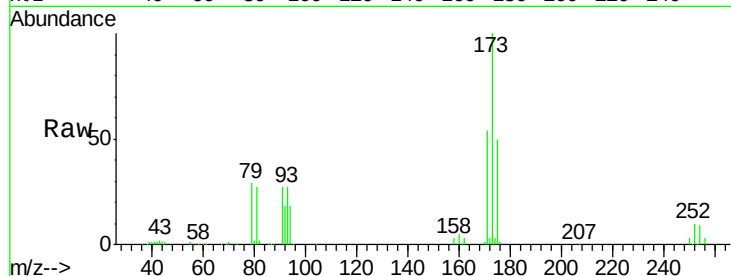
Tot Ion:173 Resp: 171889

Ion Ratio Lower Upper

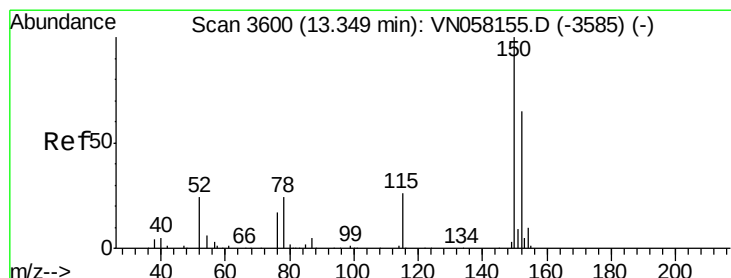
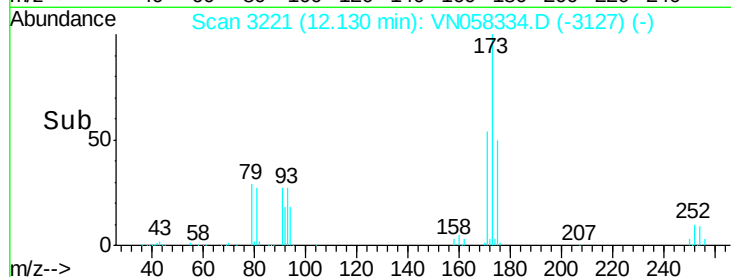
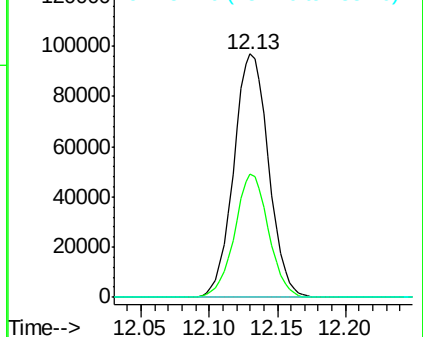
173 100

175 49.0 24.2 72.6

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

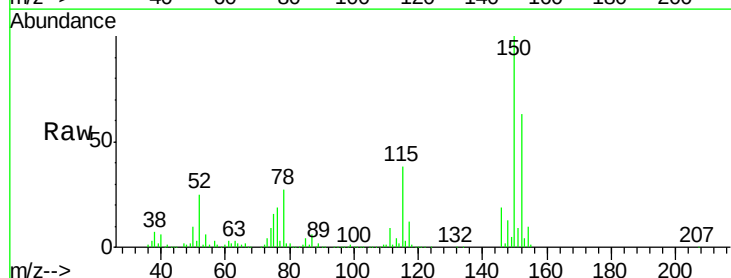
Tgt Ion:152 Resp: 367587

Ion Ratio Lower Upper

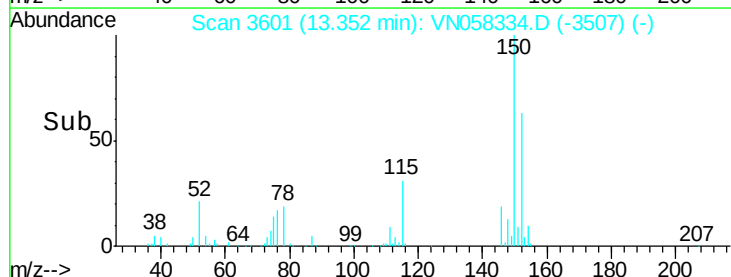
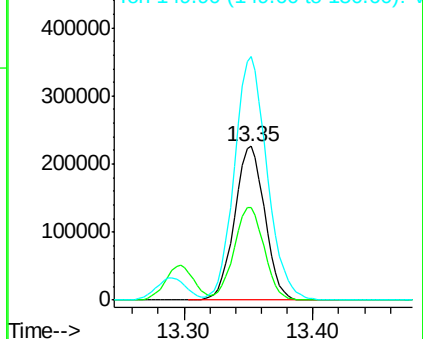
152 100

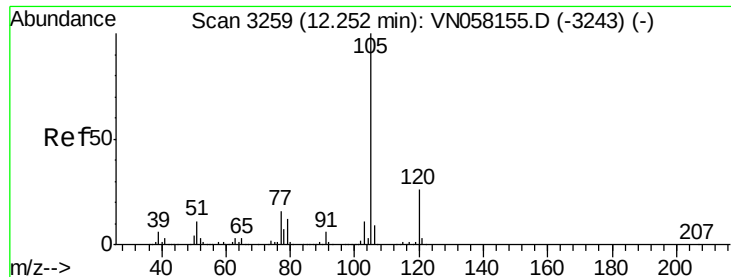
115 60.3 30.1 90.3

150 171.4 0.0 346.4



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: 51.618 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

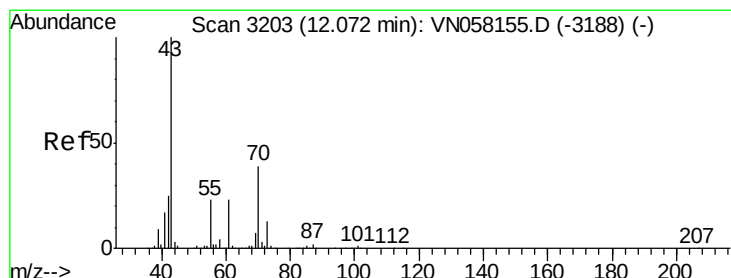
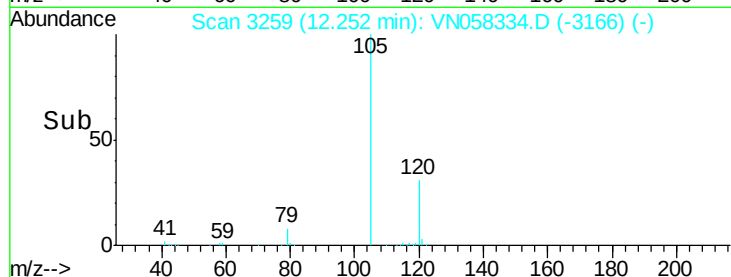
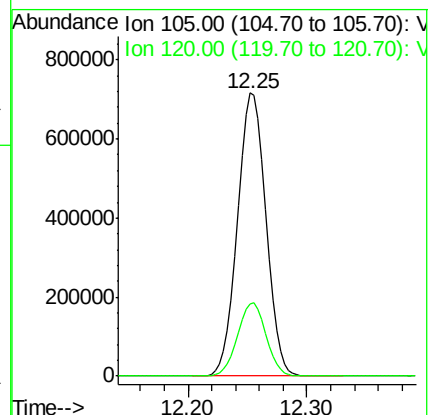
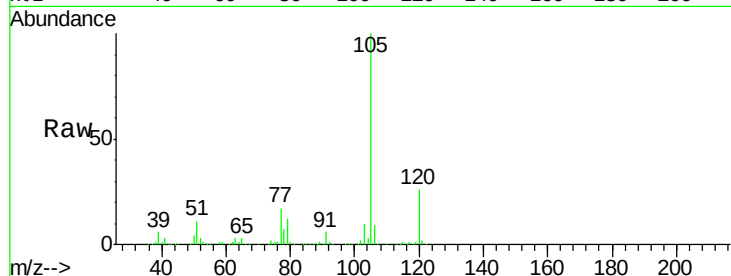
ClientSampled :

Tot Ion:105 Resp: 1187654

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3



#74

N-ethyl acetate

Concen: 57.126 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Tgt Ion: 43 Resp: 549866

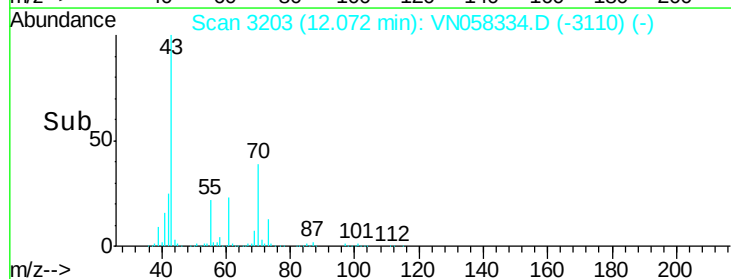
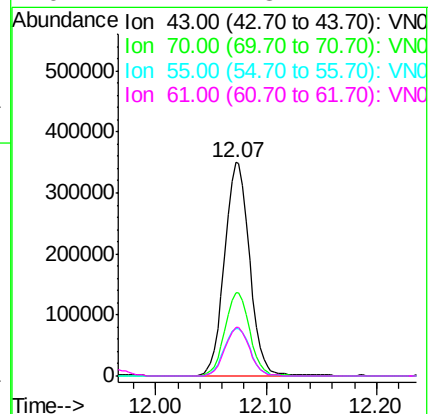
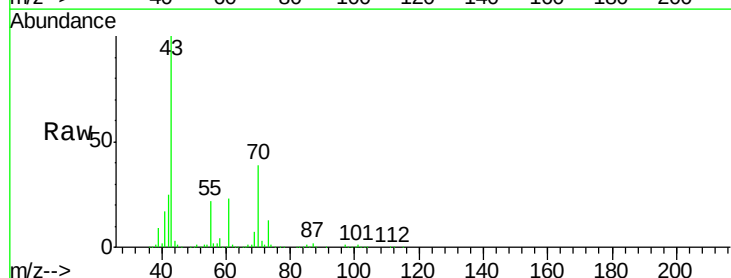
Ion Ratio Lower Upper

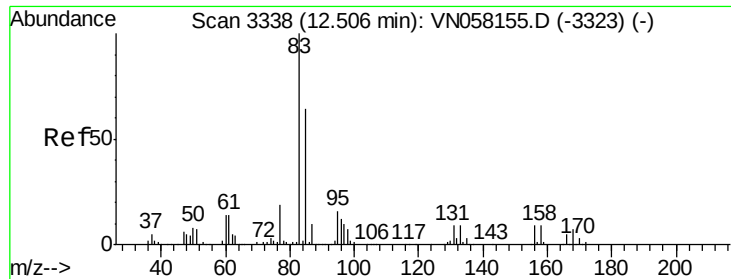
43 100

70 38.9 31.0 46.6

55 23.3 18.5 27.7

61 22.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 54.302 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

ClientSampleId :

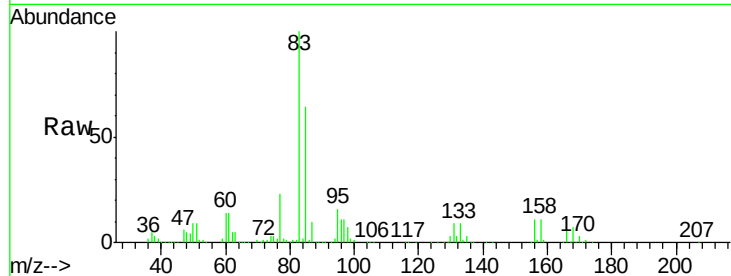
Tot Ion: 83 Resp: 418401

Ion Ratio Lower Upper

83 100

131 10.0 4.8 14.3

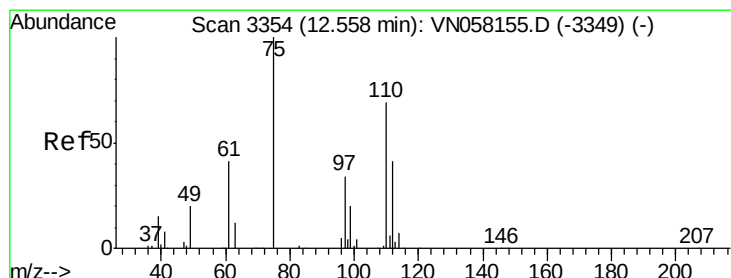
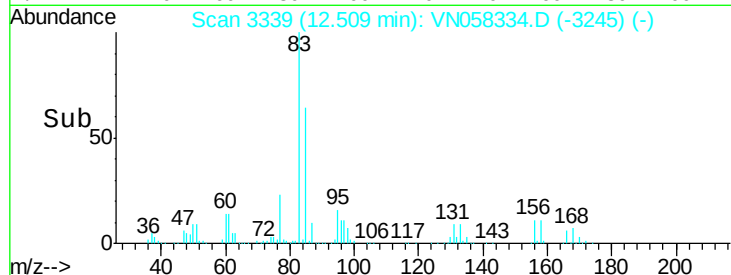
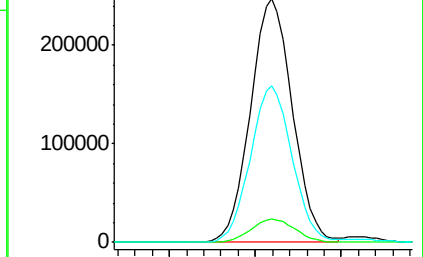
85 63.9 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 73.550 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058334.D

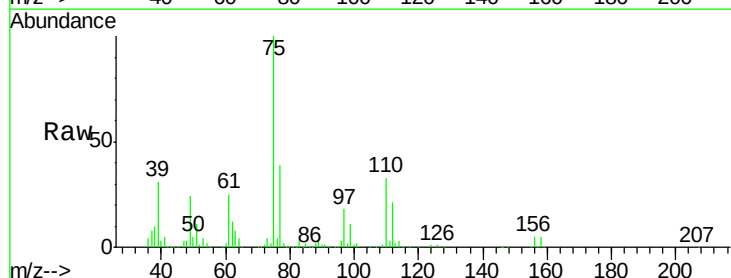
Acq: 24 Sep 2019 8:08

Tgt Ion: 75 Resp: 483861

Ion Ratio Lower Upper

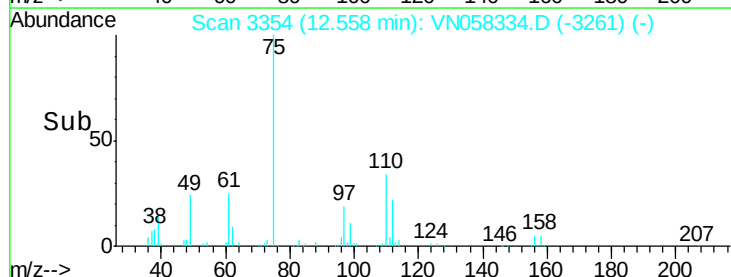
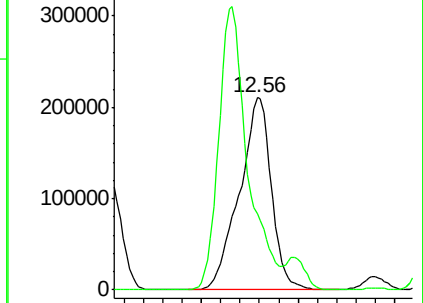
75 100

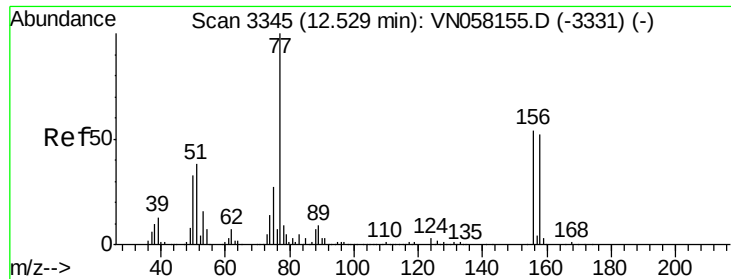
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.499 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

ClientSampled :

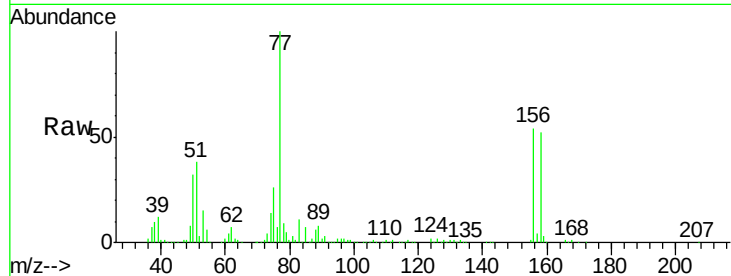
Tot Ion:156 Resp: 286481

Ion Ratio Lower Upper

156 100

77 225.3 111.7 335.1

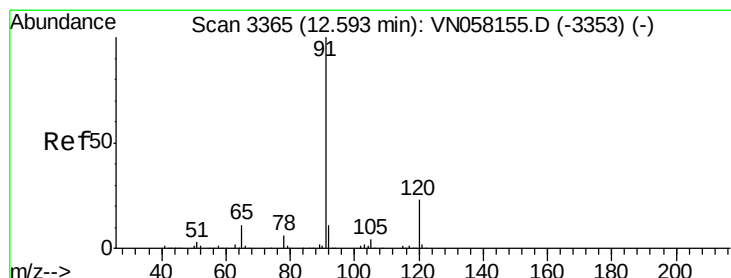
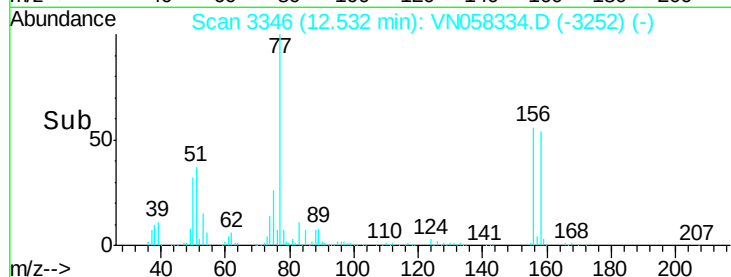
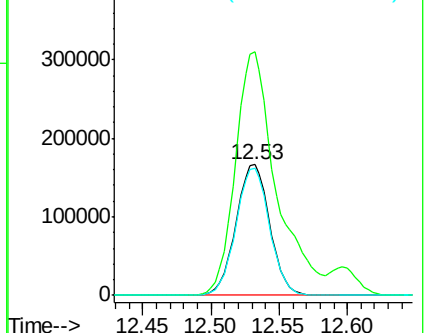
158 96.3 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.262 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058334.D

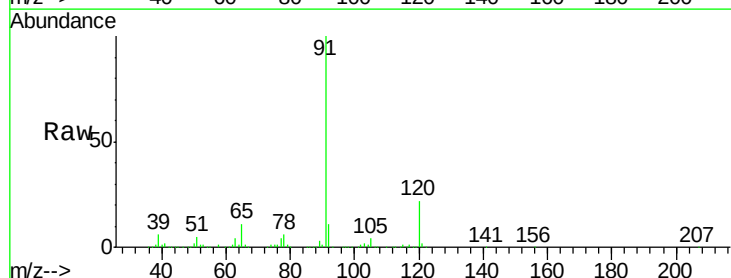
Acq: 24 Sep 2019 8:08

Tgt Ion: 91 Resp: 1366446

Ion Ratio Lower Upper

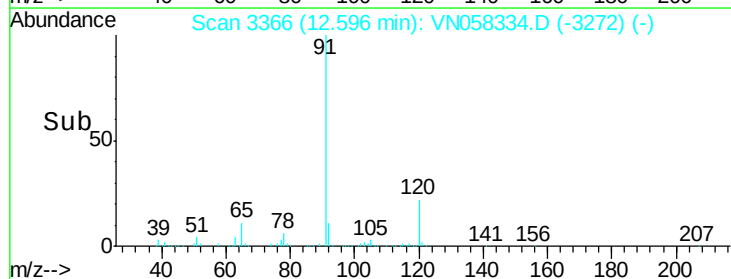
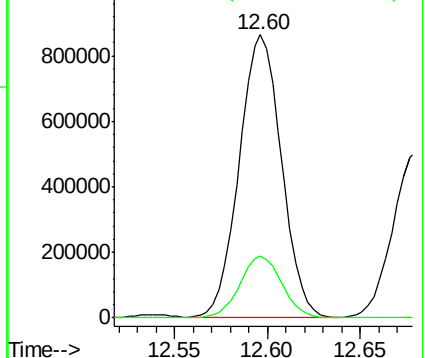
91 100

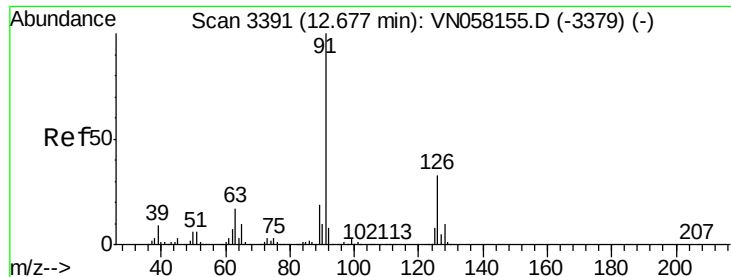
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.219 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

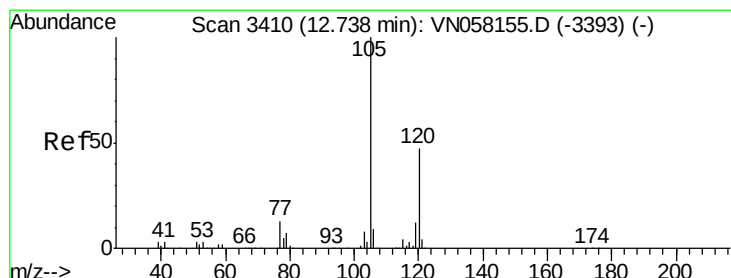
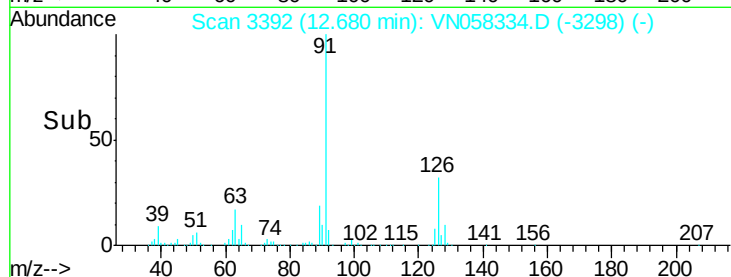
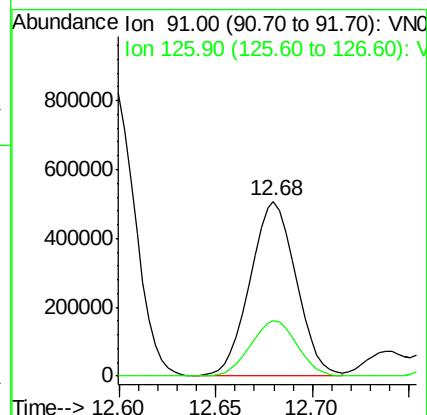
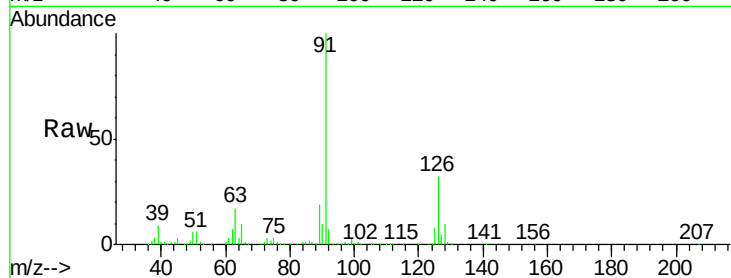
ClientSampled :

Tot Ion: 91 Resp: 836928

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 51.643 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058334.D

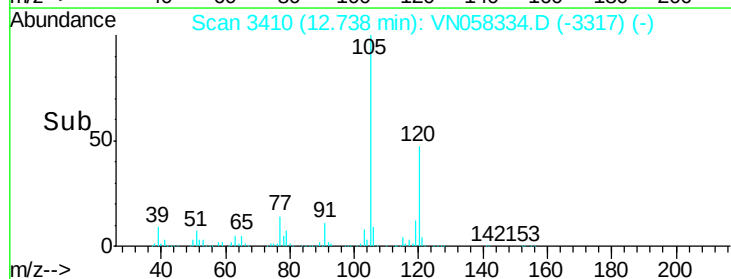
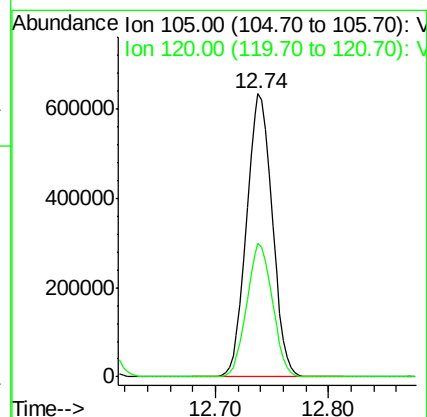
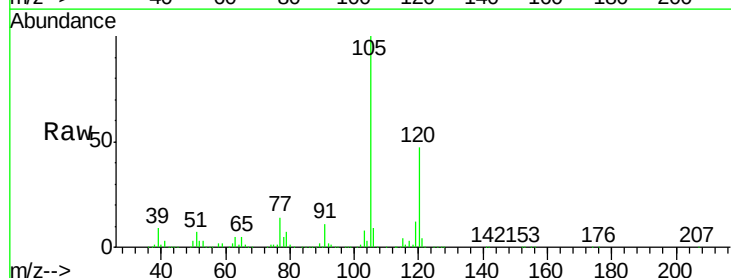
Acq: 24 Sep 2019 8:08

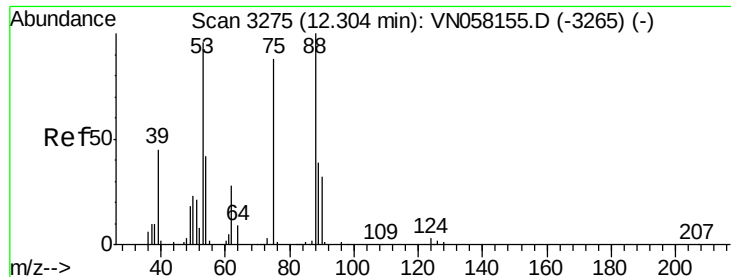
Tgt Ion: 105 Resp: 1004785

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 41.722 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

ClientSampled :

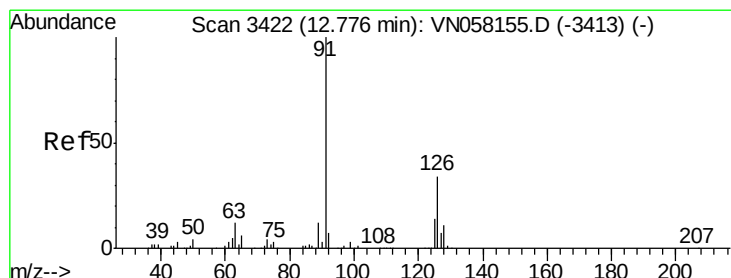
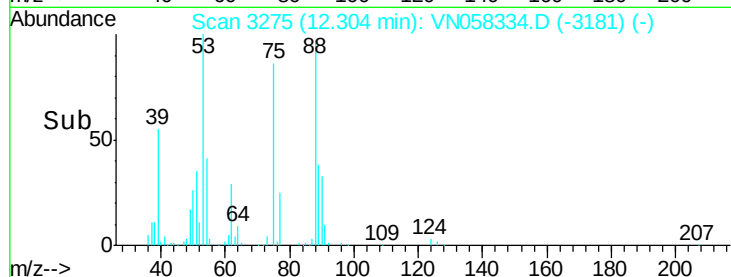
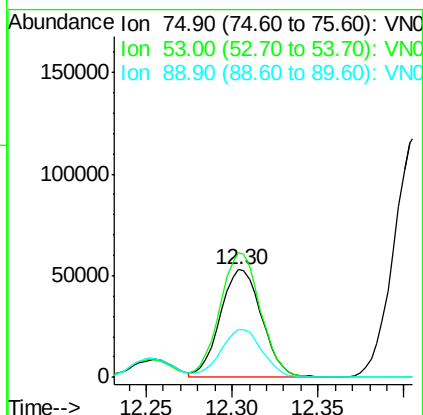
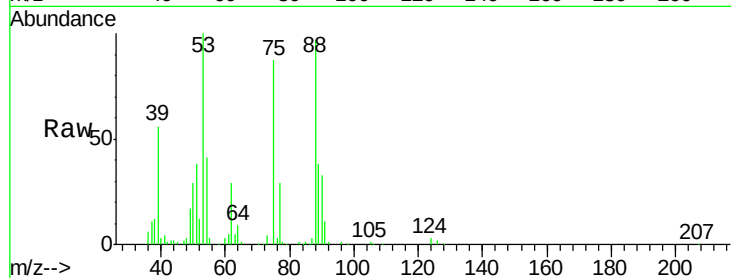
Tot Ion: 75 Resp: 89829

Ion Ratio Lower Upper

75 100

53 112.7 90.1 135.1

89 44.2 36.2 54.2



#82

4-Chlorotoluene

Concen: 50.323 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058334.D

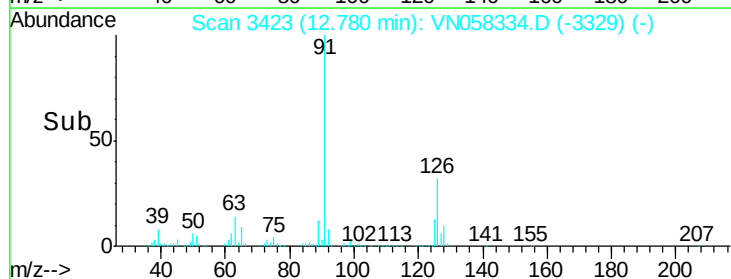
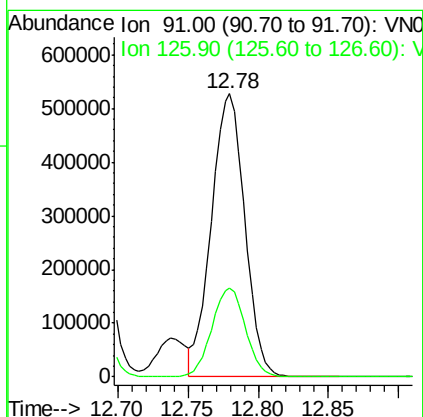
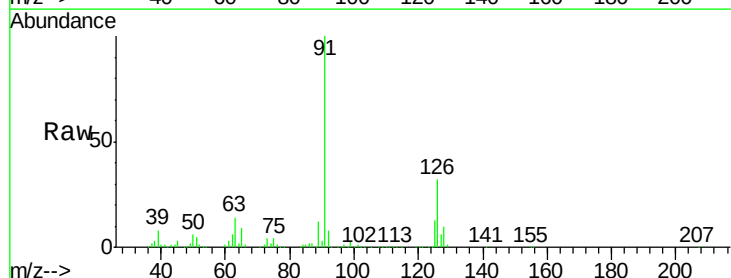
Acq: 24 Sep 2019 8:08

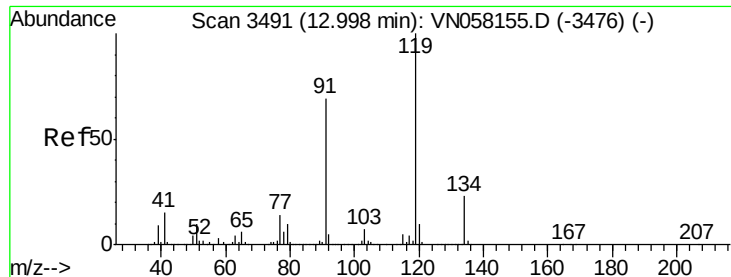
Tgt Ion: 91 Resp: 864375

Ion Ratio Lower Upper

91 100

126 31.6 15.7 47.1

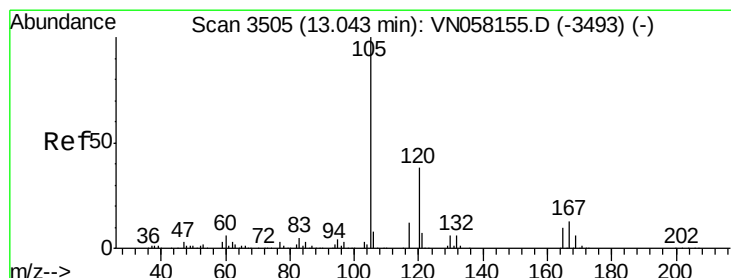
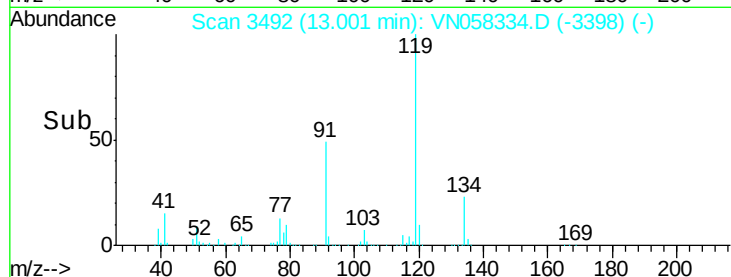
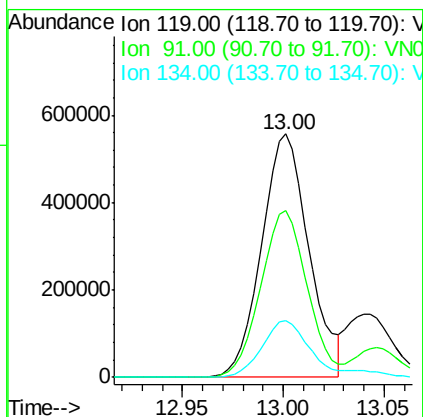
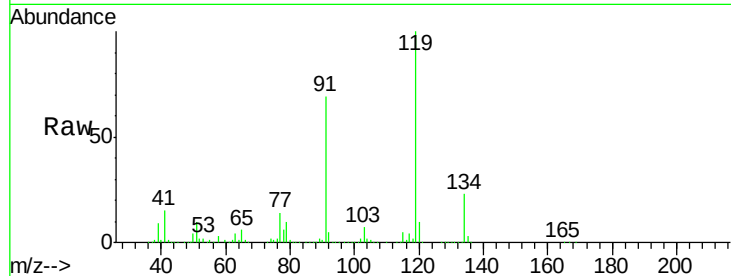




#83
 tert-Butylbenzene
 Concen: 52.491 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

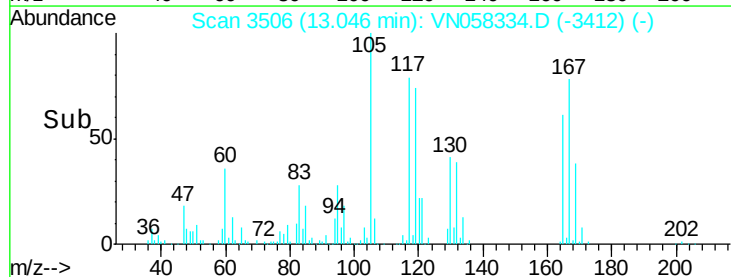
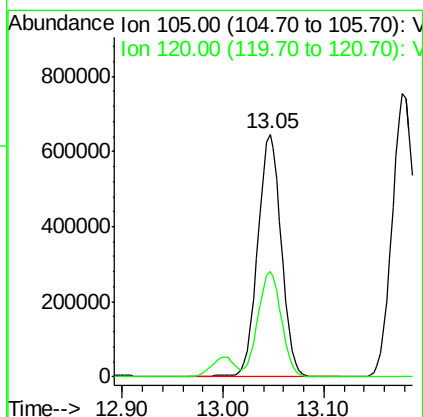
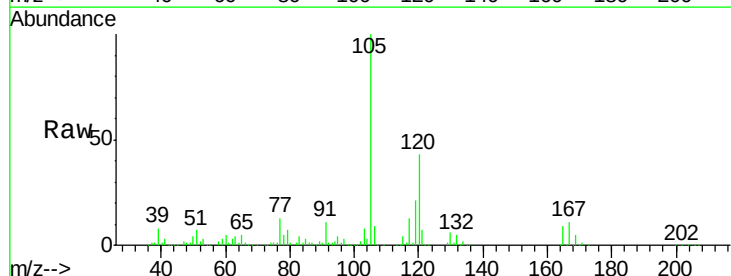
Instrument :
 MSVOA_N
 ClientSampled :

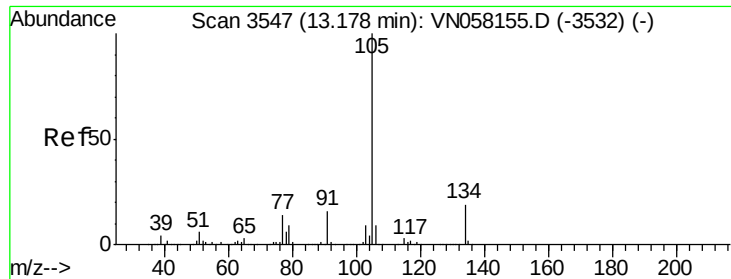
Tot Ion:119 Resp: 910768
 Ion Ratio Lower Upper
 119 100
 91 66.9 33.8 101.3
 134 23.2 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 53.607 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

Tgt Ion:105 Resp: 1037960
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 52.573 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

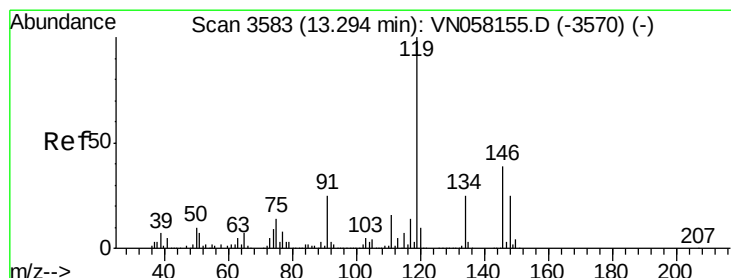
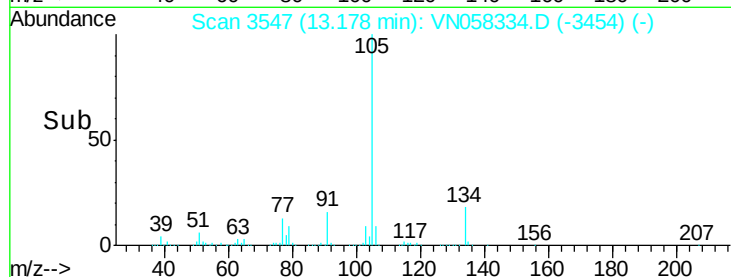
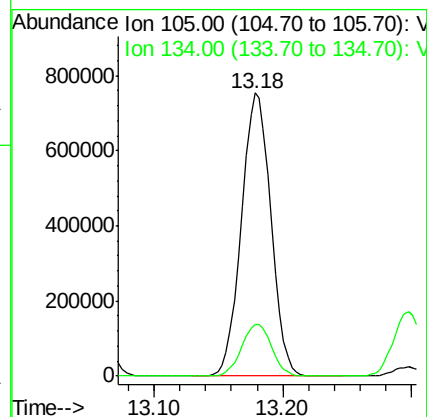
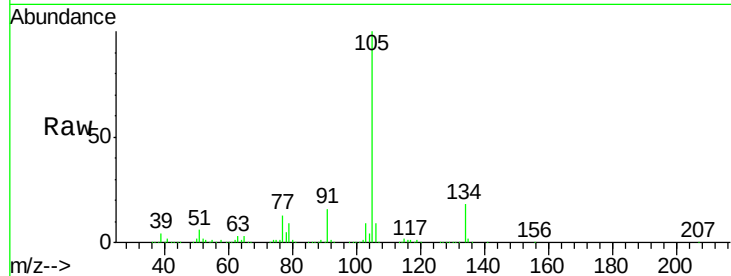
ClientSampleId :

Tot Ion:105 Resp: 1192849

Ion Ratio Lower Upper

105 100

134 18.7 9.5 28.5



#86

p-Isopropyltoluene

Concen: 51.971 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

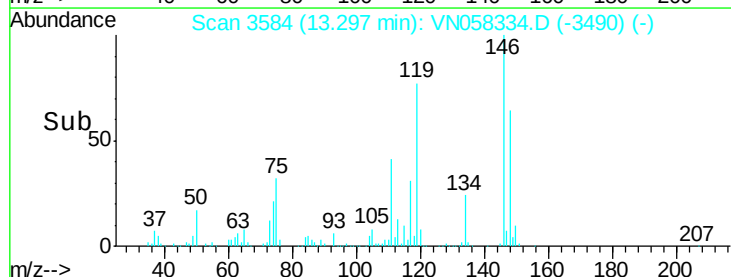
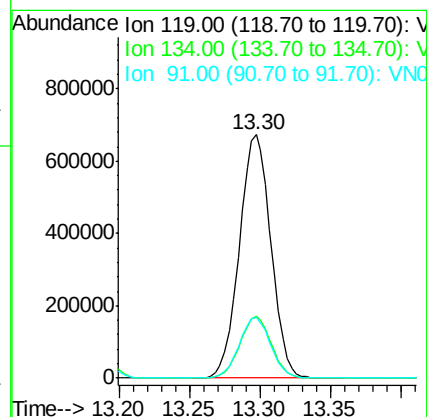
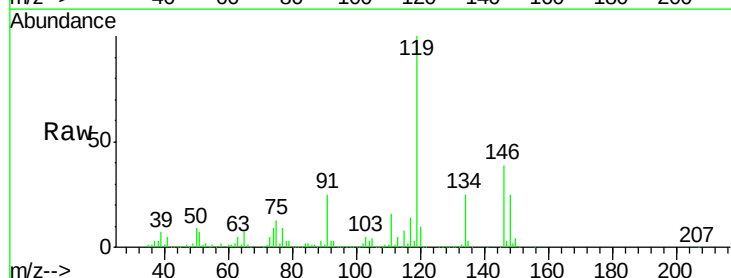
Tgt Ion:119 Resp: 1048305

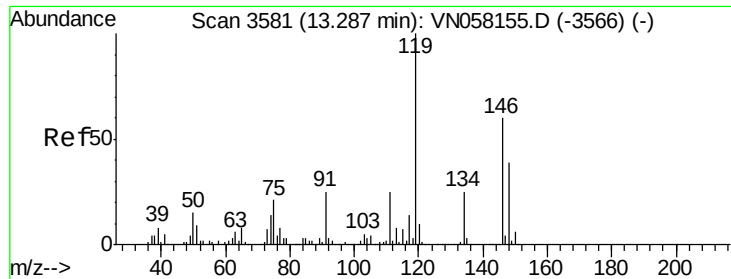
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.0

91 24.9 12.3 36.8

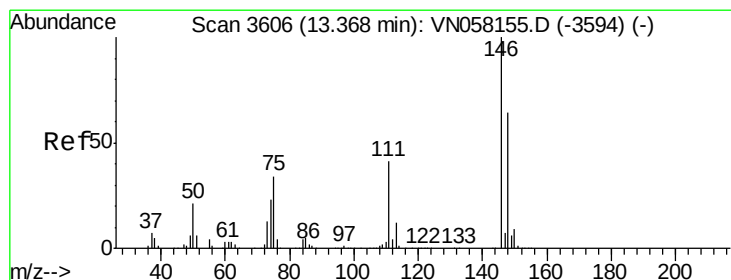
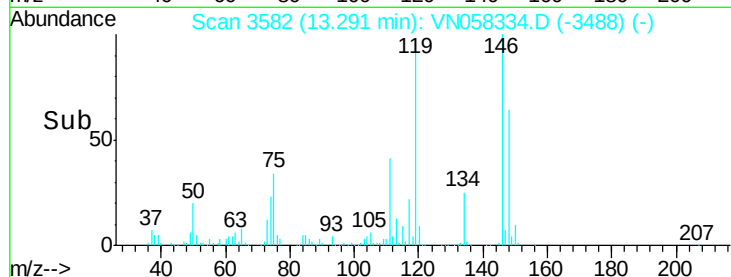
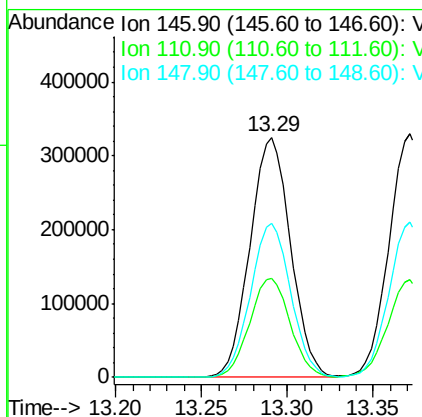
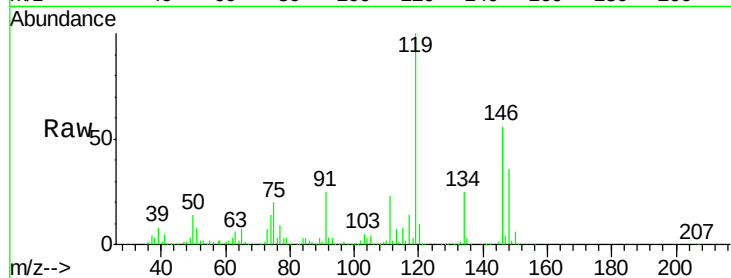




#87
 1,3-Dichlorobenzene
 Concen: 50.348 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

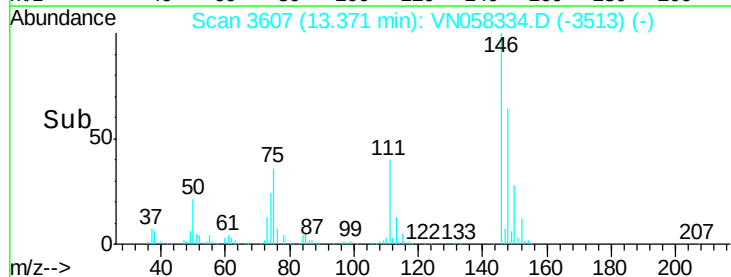
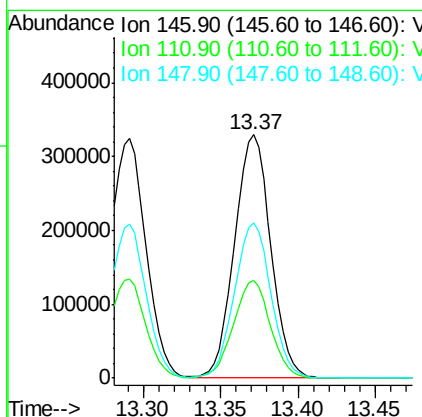
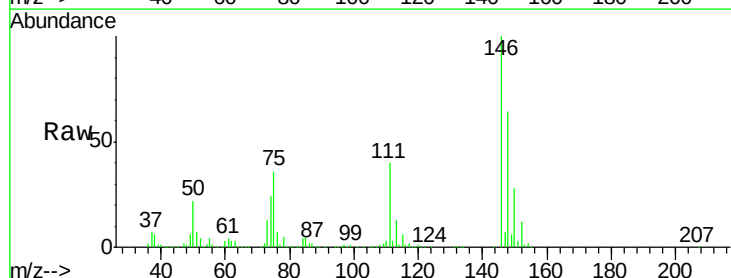
Instrument :
 MSVOA_N
 ClientSampleId :

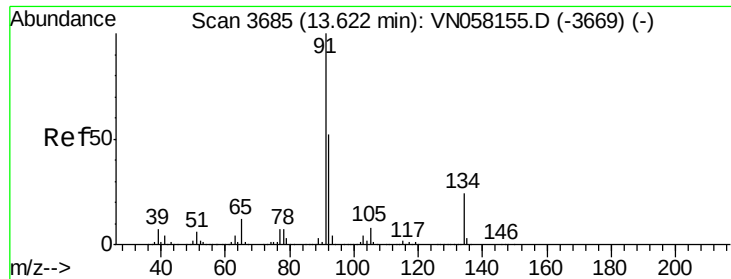
Tot Ion:146 Resp: 532229
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.9 62.8
 148 63.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.487 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

Tgt Ion:146 Resp: 534071
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.5 61.5
 148 64.1 31.9 95.5

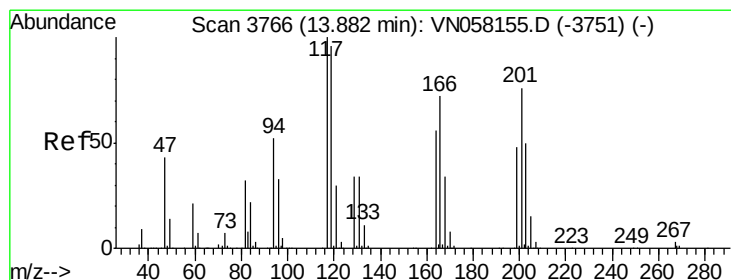
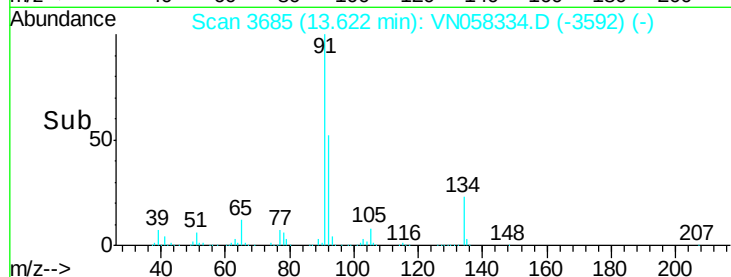
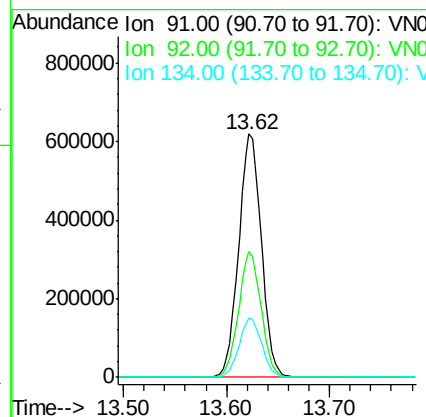
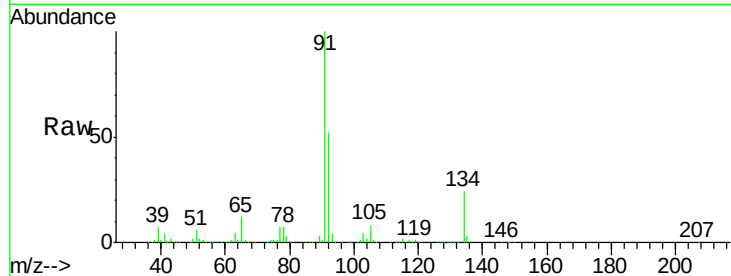




#89
n-Butylbenzene
Concen: 49.660 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

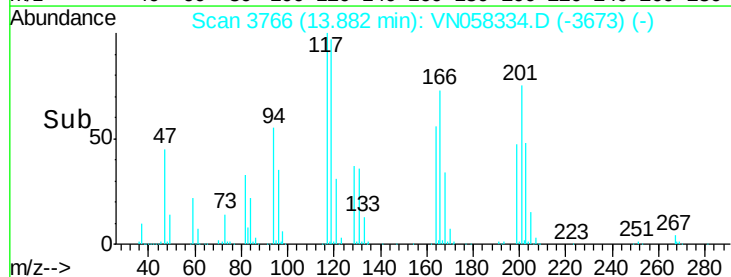
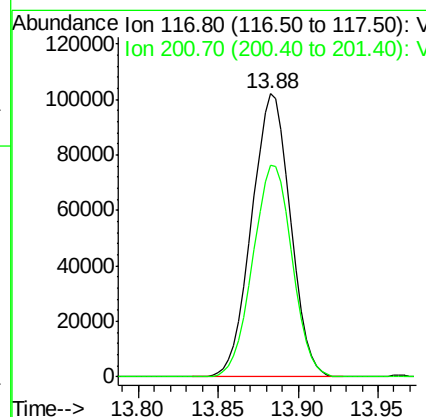
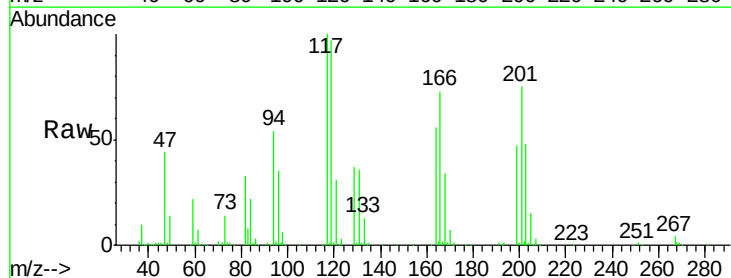
Instrument :
MSVOA_N
ClientSampled :

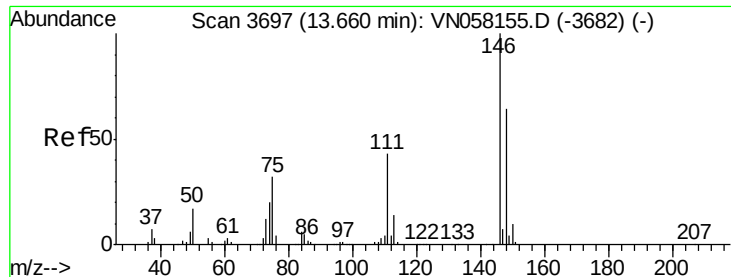
Tot Ion: 91 Resp: 949680
Ion Ratio Lower Upper
91 100
92 51.4 25.7 77.0
134 24.4 11.8 35.4



#90
Hexachloroethane
Concen: 47.987 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:08

Tgt Ion: 117 Resp: 169311
Ion Ratio Lower Upper
117 100
201 75.8 37.5 112.5

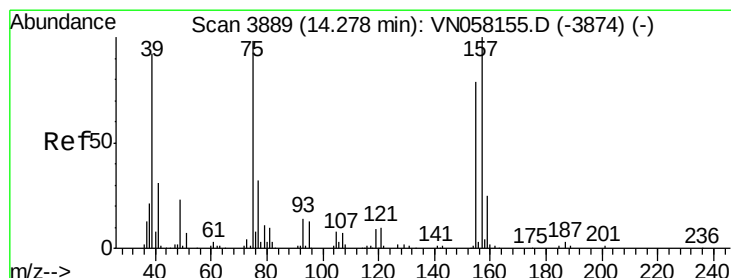
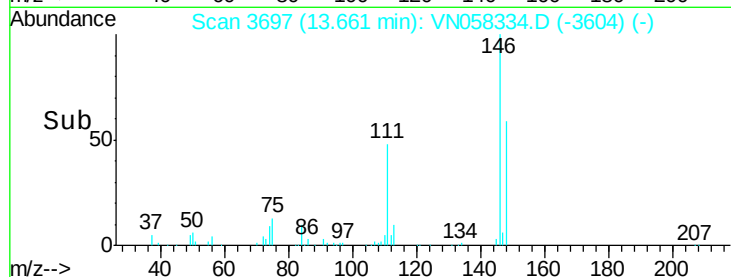
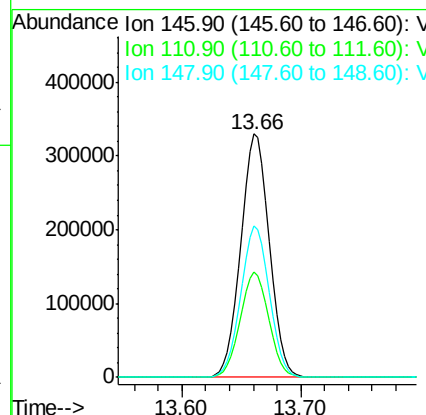
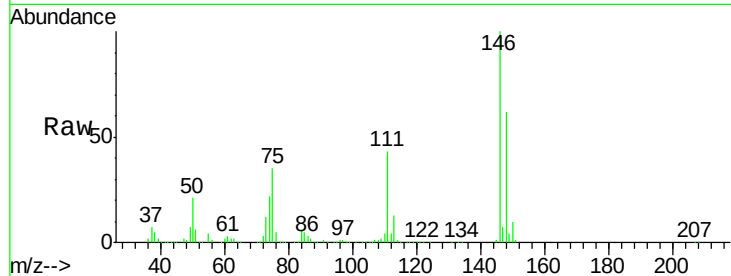




#91
 1,2-Dichlorobenzene
 Concen: 51.733 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

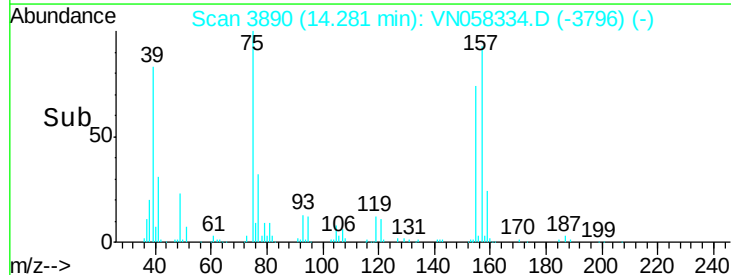
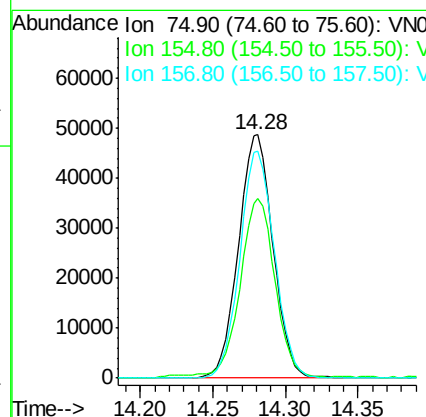
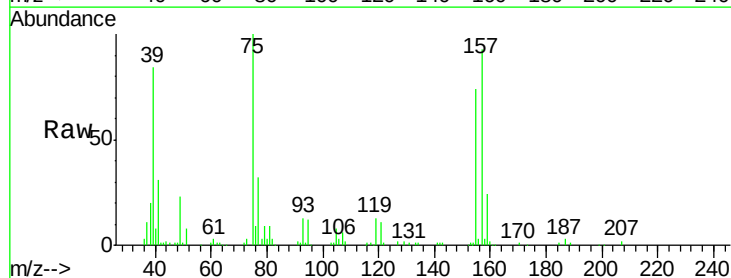
Instrument :
 MSVOA_N
 ClientSampled :

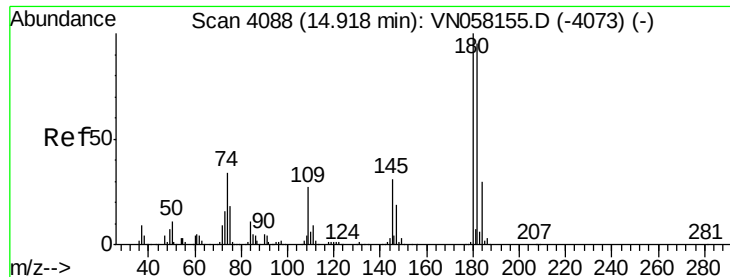
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.1
148	62.2	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.137 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.8	38.3	114.8
157	93.3	48.0	144.0

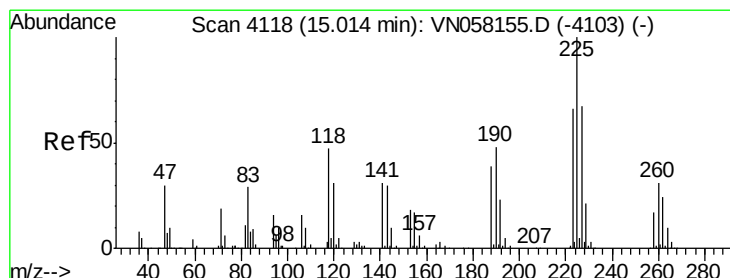
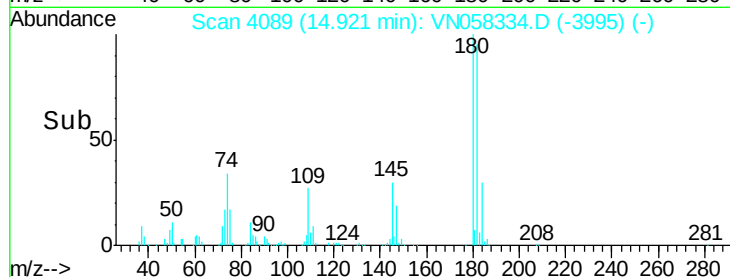
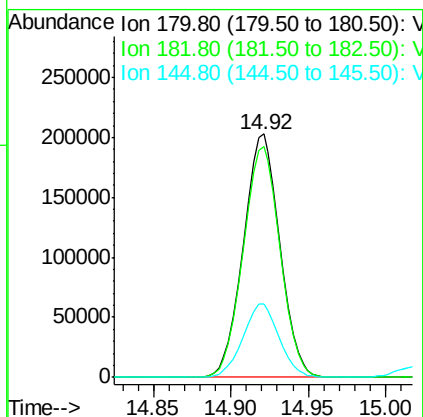
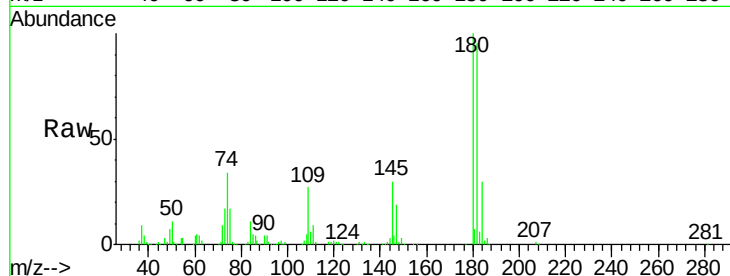




#93
 1,2,4-Trichlorobenzene
 Concen: 49.150 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

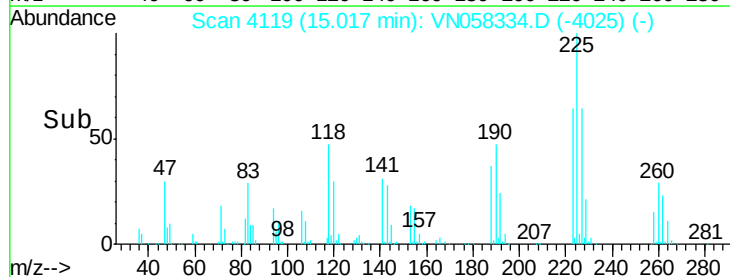
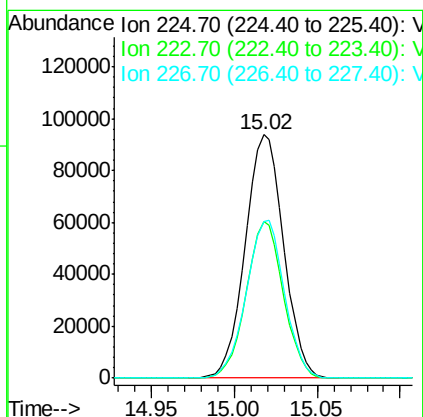
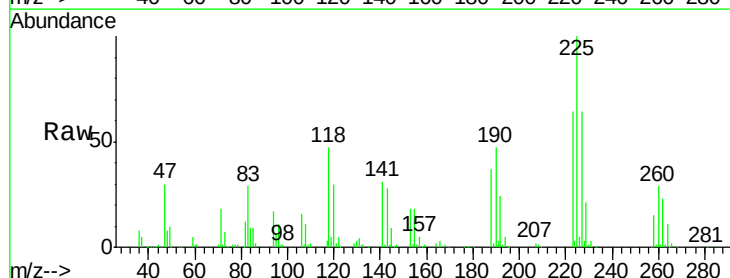
Instrument :
 MSVOA_N
 ClientSampled :

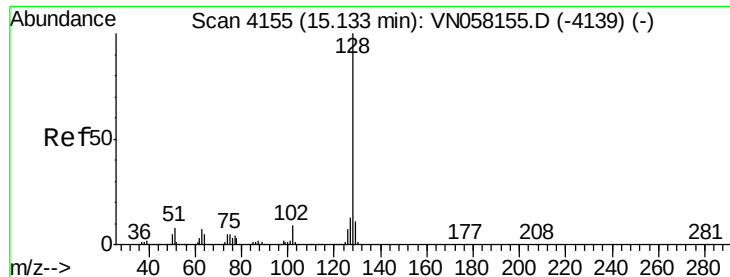
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.3
145	30.1	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 46.040 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	32.6	97.7
227	64.5	33.0	99.0





#95

Naphthalene

Concen: 55.693 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

Instrument :

MSVOA_N

ClientSampleId :

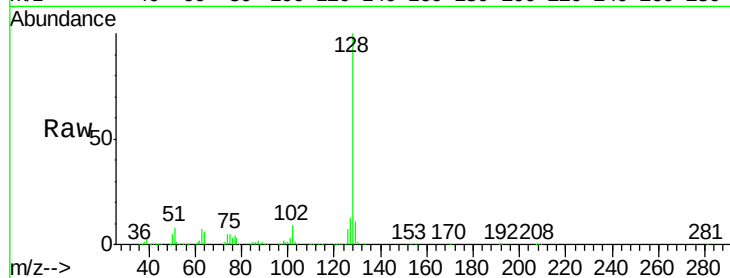
Tot Ion:128 Resp: 977876

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

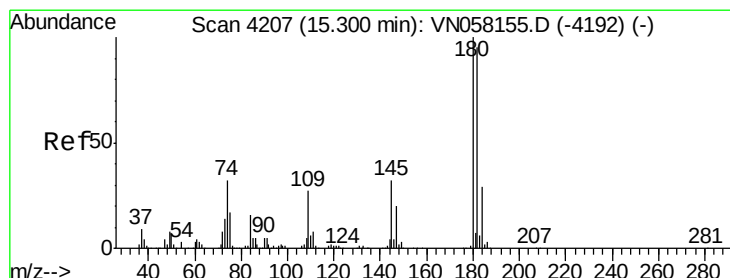
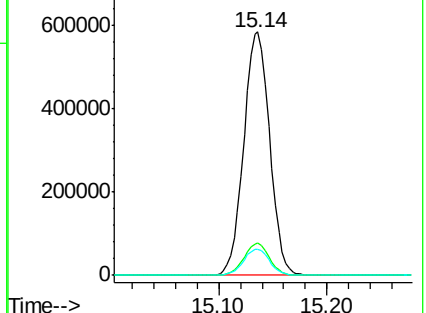
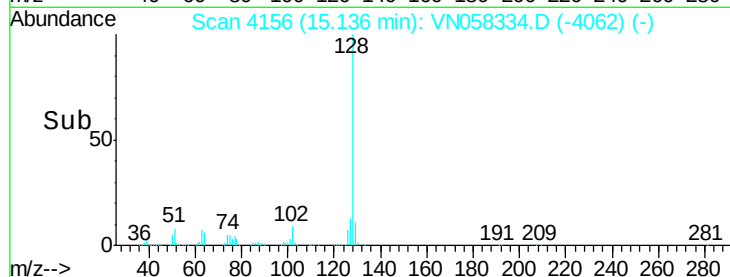
129 10.8 8.6 12.8



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: 50.301 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:08

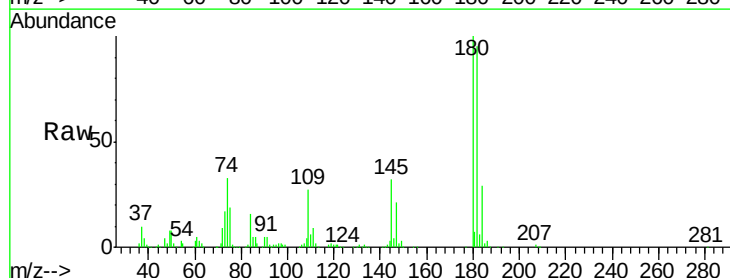
Tgt Ion:180 Resp: 322112

Ion Ratio Lower Upper

180 100

182 94.9 47.4 142.2

145 31.9 16.1 48.2



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

