

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059176.D
 Acq On : 12 Nov 2019 9:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 13 05:35:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	452909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	699501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	646100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	316648	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	283846	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
35) Dibromofluoromethane	7.56	113	221793	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.08	98	849205	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.40	95	316974	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	207755	45.528	ug/l	99
3) Chloromethane	2.04	50	276805	44.624	ug/l	100
4) Vinyl Chloride	2.17	62	281105	46.742	ug/l	100
5) Bromomethane	2.53	94	164586	47.557	ug/l	97
6) Chloroethane	2.68	64	169360	47.606	ug/l	98
7) Trichlorofluoromethane	2.99	101	346465	48.165	ug/l	98
8) Diethyl Ether	3.38	74	136102	46.565	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	205606	47.406	ug/l	99
10) Methyl Iodide	3.92	142	255037	47.506	ug/l	99
11) Tert butyl alcohol	4.75	59	243849	229.823	ug/l	99
12) 1,1-Dichloroethene	3.71	96	193405	45.777	ug/l	97
13) Acrolein	3.58	56	140790	257.365	ug/l	100
14) Allyl chloride	4.29	41	398873	45.961	ug/l	99
15) Acrylonitrile	4.95	53	648798	245.707	ug/l	99
16) Acetone	3.79	43	804123	277.747	ug/l	99
17) Carbon Disulfide	4.02	76	555916	42.387	ug/l	100
18) Methyl Acetate	4.29	43	338896	49.316	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	716779	49.277	ug/l	99
20) Methylene Chloride	4.52	84	235543	46.699	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	216118	47.655	ug/l	98
22) Diisopropyl ether	5.92	45	819650	50.001	ug/l	99
23) Vinyl Acetate	5.86	43	3370764	265.320	ug/l	100
24) 1,1-Dichloroethane	5.82	63	443259	48.414	ug/l	99
25) 2-Butanone	6.81	43	990300	259.536	ug/l	99
26) 2,2-Dichloropropane	6.80	77	381705	47.678	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	254421	48.356	ug/l	100
28) Bromochloromethane	7.17	49	137524	49.926	ug/l	99
29) Tetrahydrofuran	7.18	42	596096	245.867	ug/l	100
30) Chloroform	7.35	83	430136	48.975	ug/l	100
31) Cyclohexane	7.63	56	380044	43.847	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	365415	49.487	ug/l	99
36) 1,1-Dichloropropene	7.77	75	320924	49.084	ug/l	100
37) Ethyl Acetate	6.90	43	363023	49.909	ug/l	100
38) Carbon Tetrachloride	7.75	117	320888	49.309	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	370490	48.824	ug/l	99
40) Benzene	8.02	78	978150	49.680	ug/l	100
41) Methacrylonitrile	7.18	41	521527	164.889	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	343830	50.916	ug/l	99
43) Isopropyl Acetate	8.14	43	573775	49.480	ug/l	99
44) Trichloroethene	8.81	130	237798	49.133	ug/l	99
45) 1,2-Dichloropropane	9.10	63	267034	49.932	ug/l	99
46) Dibromomethane	9.19	93	164781	49.446	ug/l	99
47) Bromodichloromethane	9.39	83	342124	51.412	ug/l	95
48) Methyl methacrylate	9.18	41	263876	50.874	ug/l	99
49) 1,4-Dioxane	9.18	88	96996	1052.263	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1828234	278.638	ug/l	99
52) Toluene	10.14	92	597413	50.624	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	389039	50.602	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	420701	50.871	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	240453	50.346	ug/l	99
56) Ethyl methacrylate	10.42	69	377583	47.498	ug/l	99
57) 1,3-Dichloropropane	10.70	76	421481	51.275	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	661900	249.025	ug/l	100
59) 2-Hexanone	10.74	43	1429734	283.896	ug/l	99
60) Dibromochloromethane	10.90	129	265576	52.593	ug/l	100
61) 1,2-Dibromoethane	11.00	107	245603	50.799	ug/l	99
64) Tetrachloroethene	10.62	164	209785	47.750	ug/l	99
65) Chlorobenzene	11.43	112	628986	49.939	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	239317	50.653	ug/l	98
67) Ethyl Benzene	11.51	91	1152346	51.567	ug/l	98
68) m/p-Xylenes	11.62	106	859277	102.653	ug/l	100
69) o-Xylene	11.94	106	412418	50.982	ug/l	98
70) Styrene	11.96	104	686526	53.962	ug/l	100
71) Bromoform	12.12	173	192598	52.407	ug/l #	99
73) Isopropylbenzene	12.25	105	1117447	48.515	ug/l	99
74) N-amyl acetate	12.07	43	495359	50.754	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	377766	48.161	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	499882	69.341	ug/l #	100
77) Bromobenzene	12.53	156	271484	46.914	ug/l	99
78) n-propylbenzene	12.59	91	1328306	50.366	ug/l	100
79) 2-Chlorotoluene	12.67	91	787222	48.117	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	959894	49.182	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	134117	49.139	ug/l	100
82) 4-Chlorotoluene	12.77	91	806534	49.151	ug/l	100
83) tert-Butylbenzene	12.99	119	818623	48.570	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	952763	50.457	ug/l	100
85) sec-Butylbenzene	13.17	105	1091731	49.805	ug/l	99
86) p-Isopropyltoluene	13.29	119	999263	51.629	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	489072	49.354	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	485455	48.963	ug/l	99
89) n-Butylbenzene	13.62	91	871261	51.432	ug/l	100
90) Hexachloroethane	13.88	117	186146	47.896	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	478151	49.051	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	74061	47.327	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	271419	46.142	ug/l	100
94) Hexachlorobutadiene	15.01	225	165438	49.220	ug/l	99
95) Naphthalene	15.13	128	734801	45.099	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	273165	50.003	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

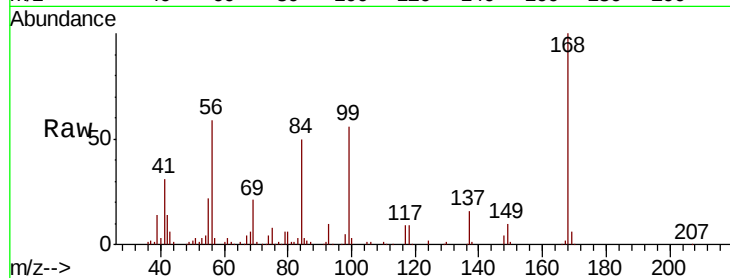
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 452909

Ion Ratio Lower Upper

168 100

99 56.3 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

100000

50000

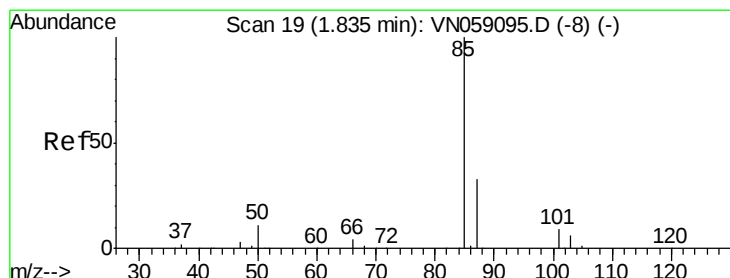
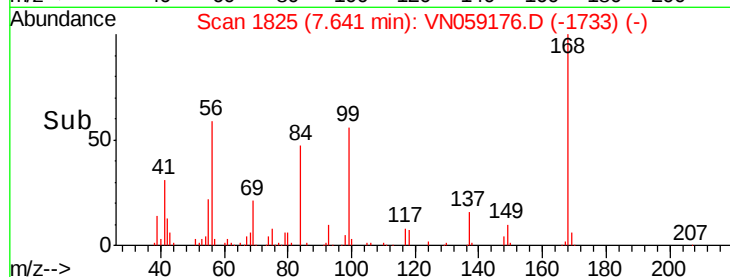
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.528 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059176.D

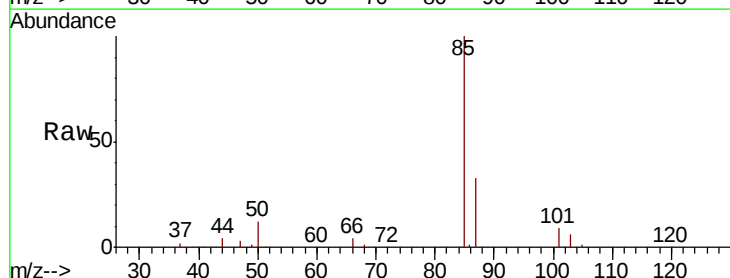
Acq: 12 Nov 2019 9:24

Tgt Ion: 85 Resp: 207755

Ion Ratio Lower Upper

85 100

87 33.0 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

150000

100000

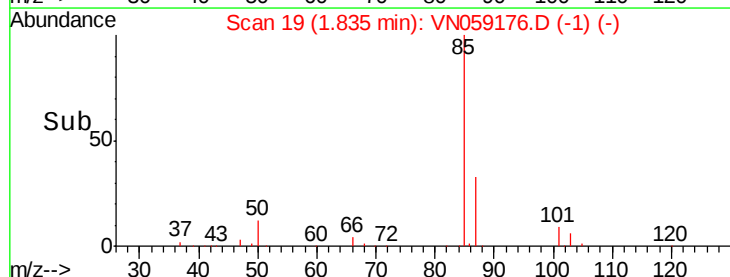
50000

0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 44.624 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

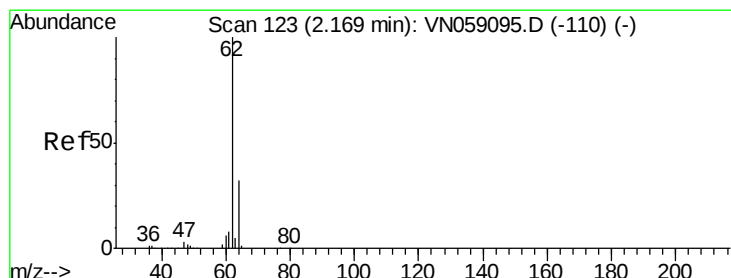
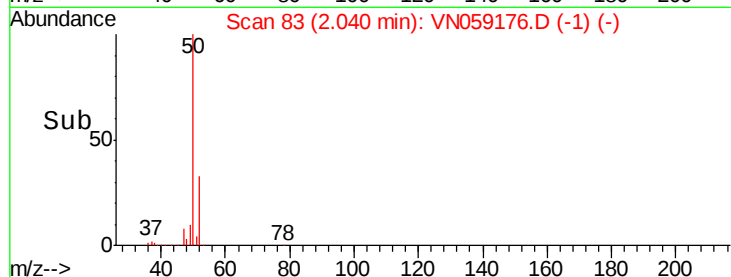
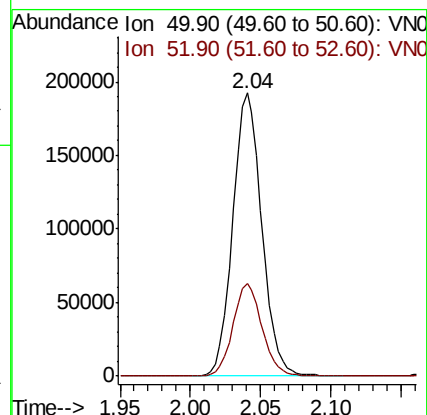
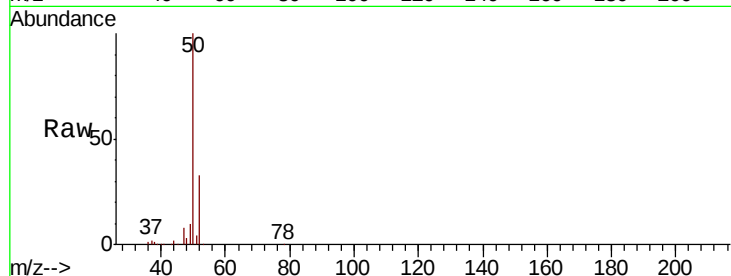
ClientSampleId :

Tot Ion: 50 Resp: 276805

Ion Ratio Lower Upper

50 100

52 32.6 26.0 39.0



#4

Vinyl Chloride

Concen: 46.742 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059176.D

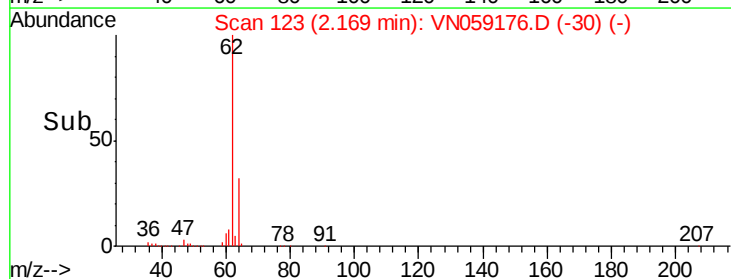
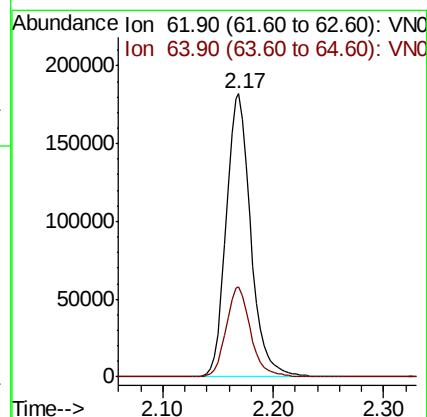
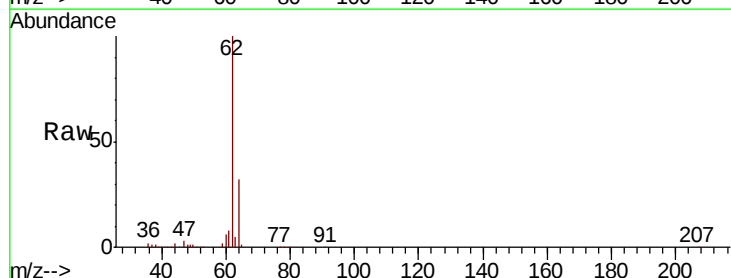
Acq: 12 Nov 2019 9:24

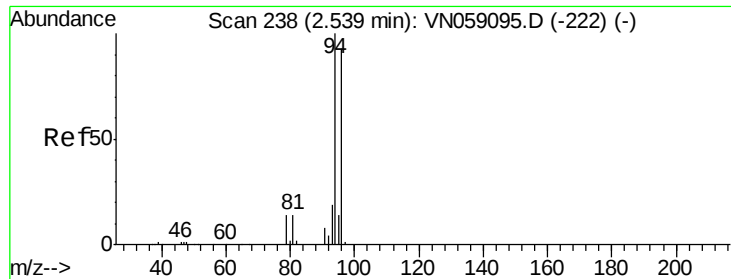
Tgt Ion: 62 Resp: 281105

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 47.557 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

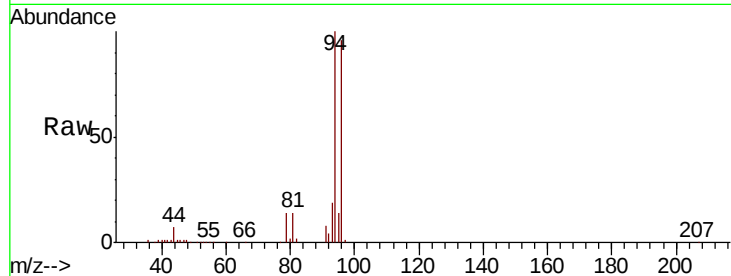
ClientSampled :

Tot Ion: 94 Resp: 164586

Ion Ratio Lower Upper

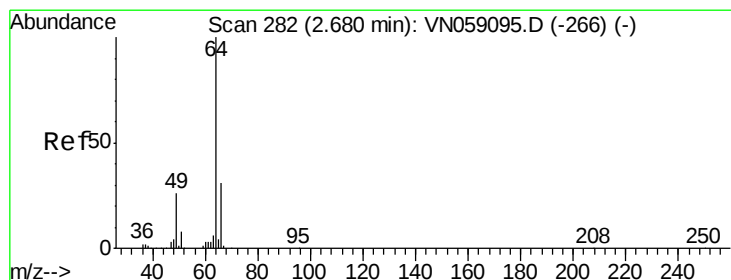
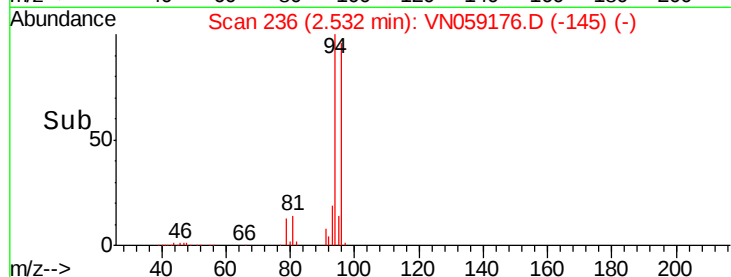
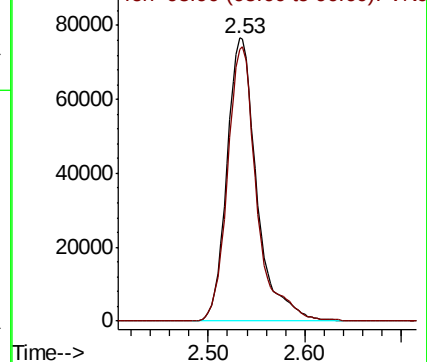
94 100

96 96.0 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.606 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059176.D

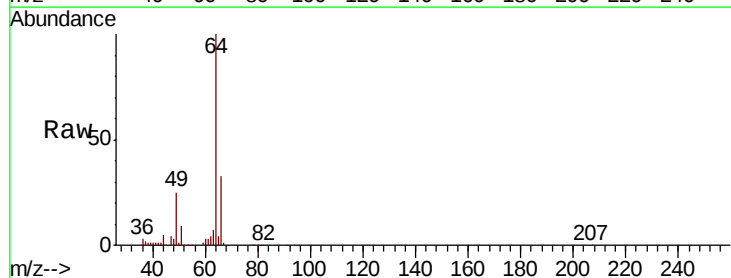
Acq: 12 Nov 2019 9:24

Tgt Ion: 64 Resp: 169360

Ion Ratio Lower Upper

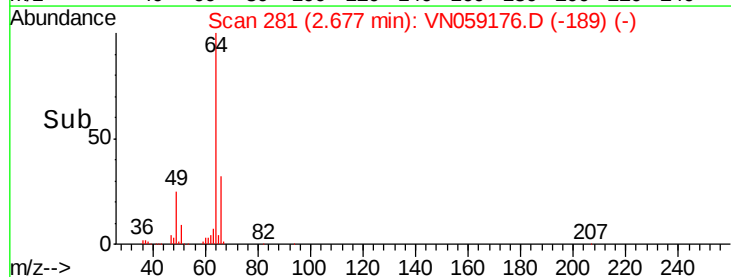
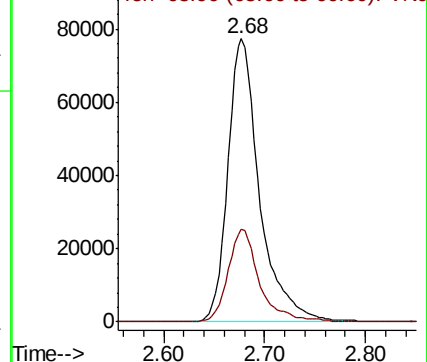
64 100

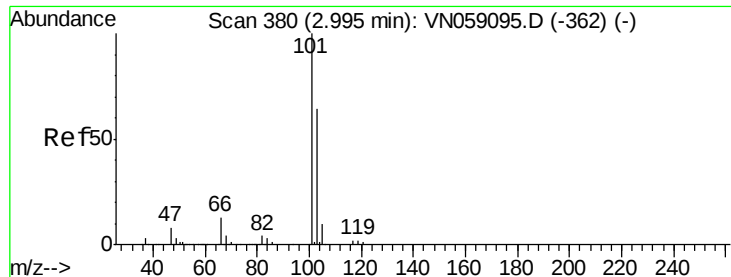
66 32.3 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



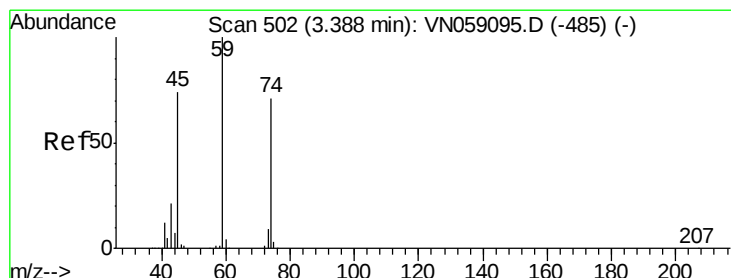
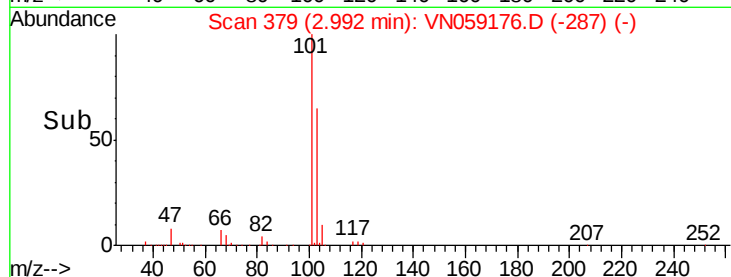
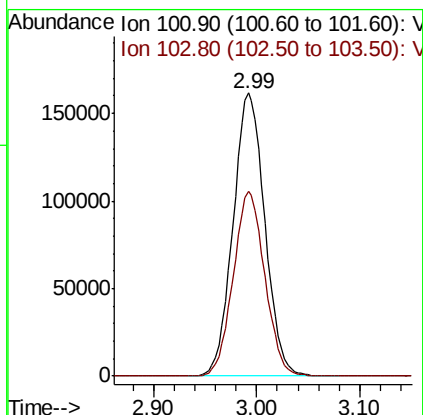
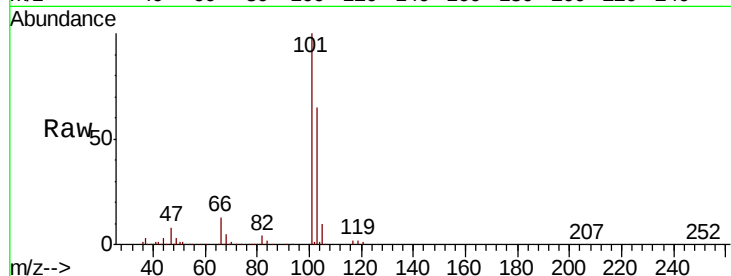


#7

Trichlorofluoromethane
 Concen: 48.165 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

Instrument :
 MSVOA_N
 ClientSampled :

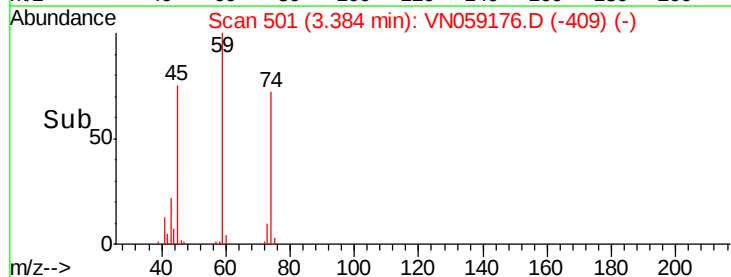
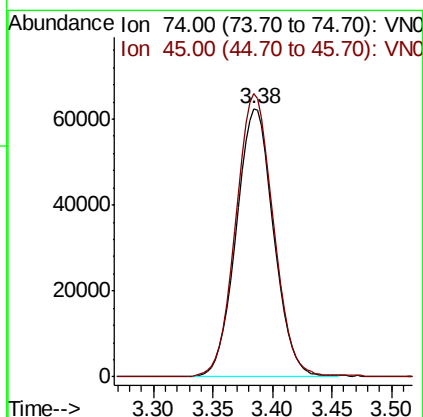
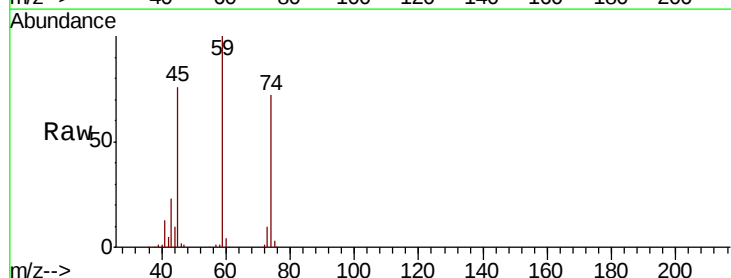
Tot Ion:101 Resp: 346465
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.2 76.8

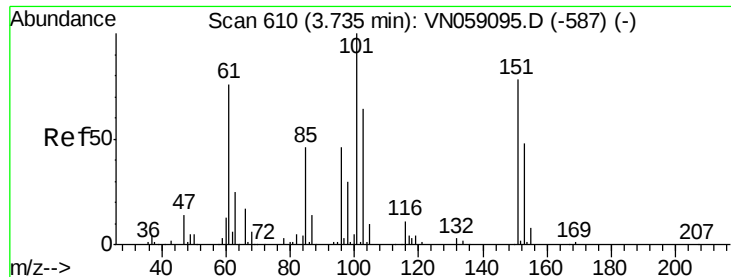


#8

Diethyl Ether
 Concen: 46.565 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

Tgt Ion: 74 Resp: 136102
 Ion Ratio Lower Upper
 74 100
 45 105.9 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.406 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

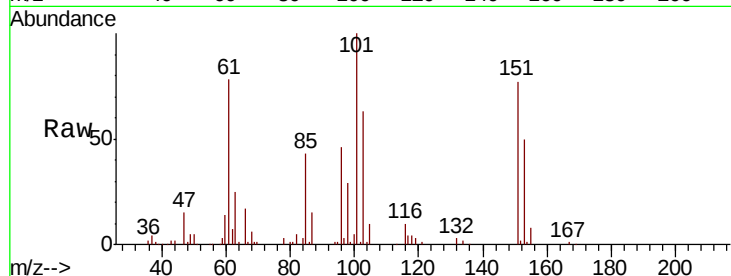
Tot Ion:101 Resp: 205606

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

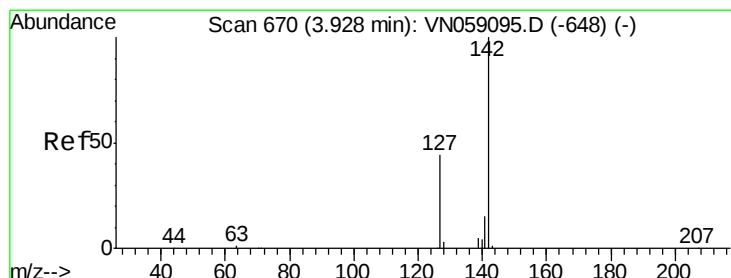
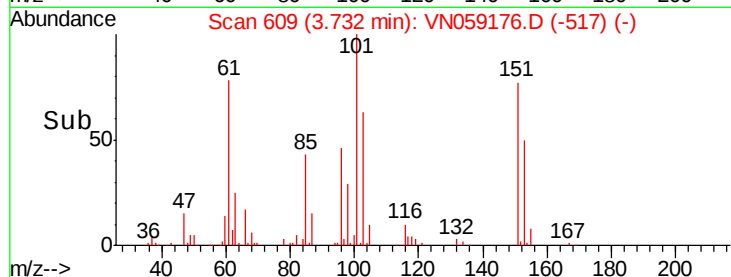
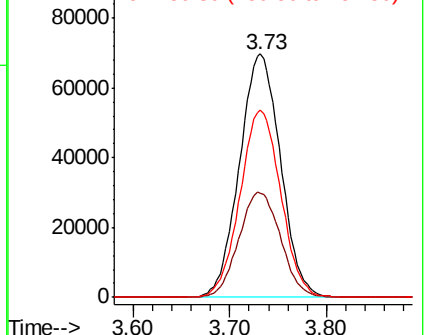
151 76.5 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.506 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

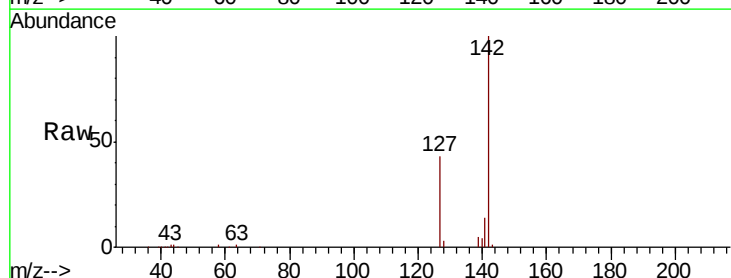
Tgt Ion:142 Resp: 255037

Ion Ratio Lower Upper

142 100

127 43.3 34.2 51.2

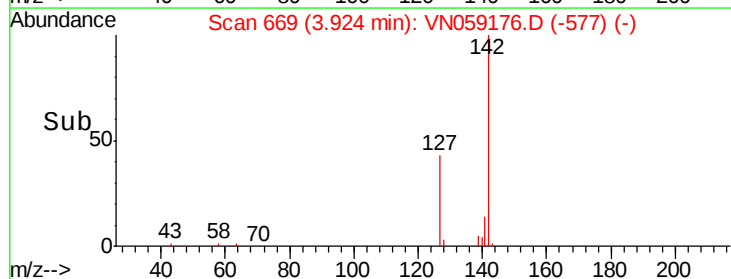
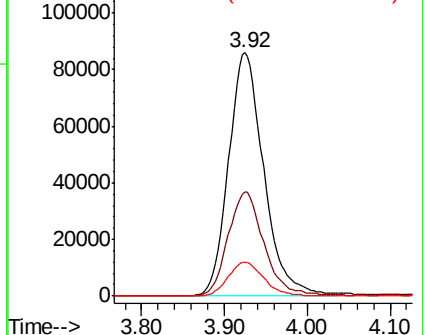
141 14.2 11.4 17.0

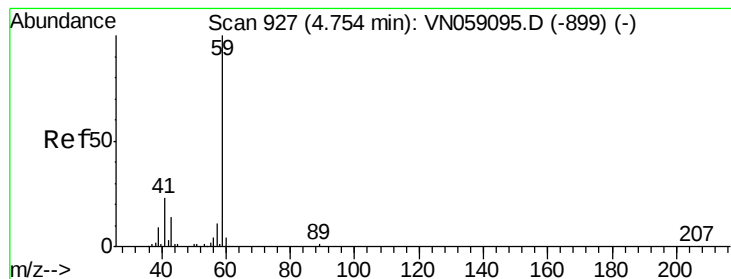


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



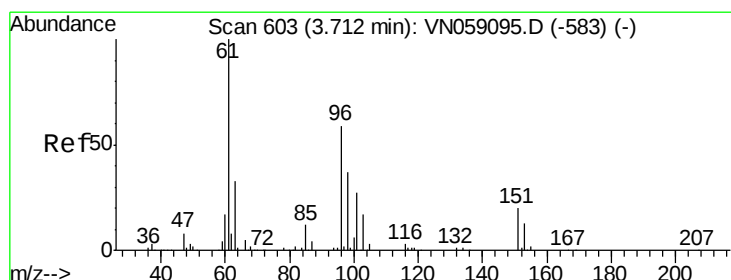
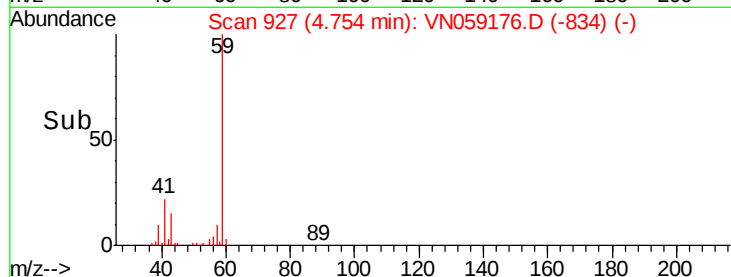
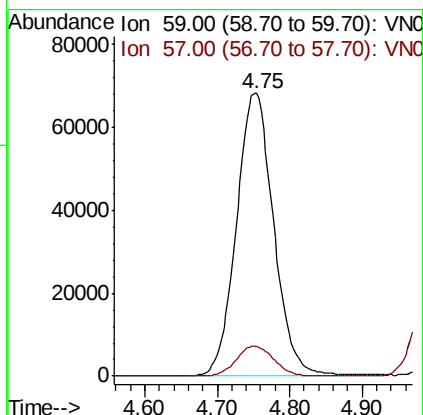
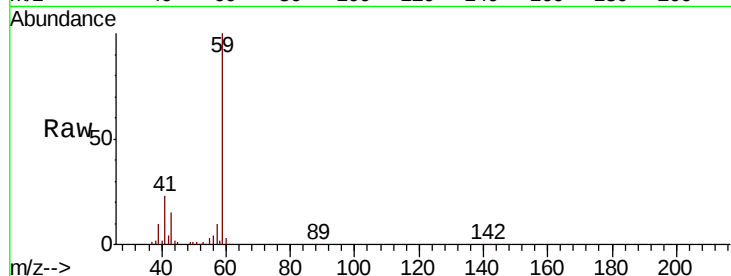


#11

Tert butyl alcohol
Concen: 229.823 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :

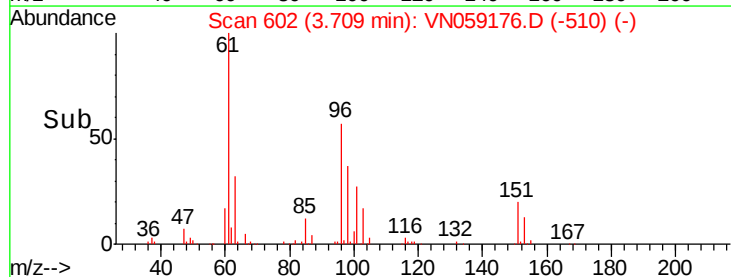
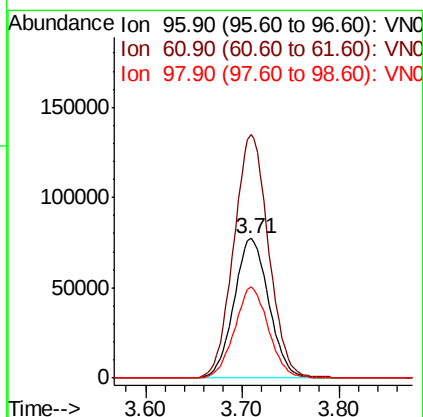
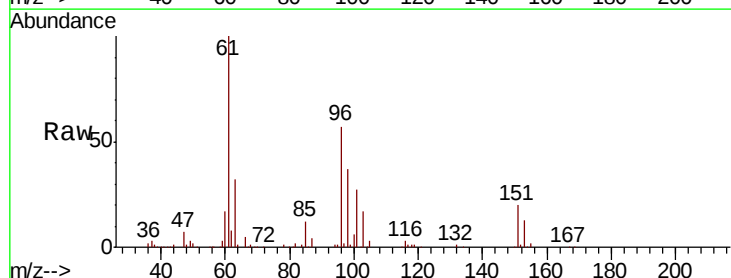
Tot Ion: 59 Resp: 243849
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5



#12

1,1-Dichloroethene
Concen: 45.777 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion: 96 Resp: 193405
Ion Ratio Lower Upper
96 100
61 174.7 136.5 204.7
98 65.2 50.2 75.4





#13

Acrolein

Concen: 257.365 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

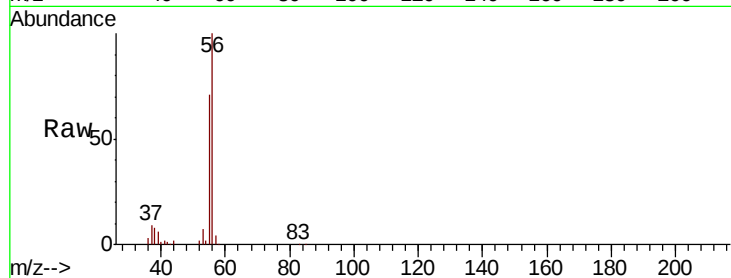
ClientSampleId :

Tot Ion: 56 Resp: 140790

Ion Ratio Lower Upper

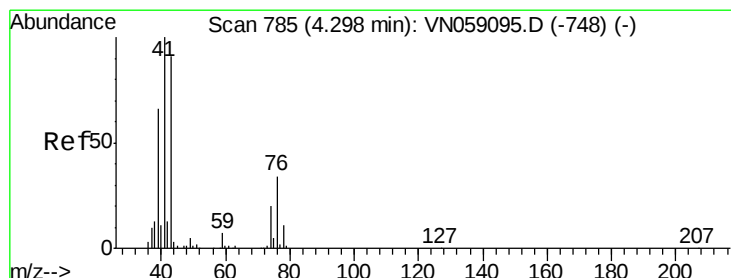
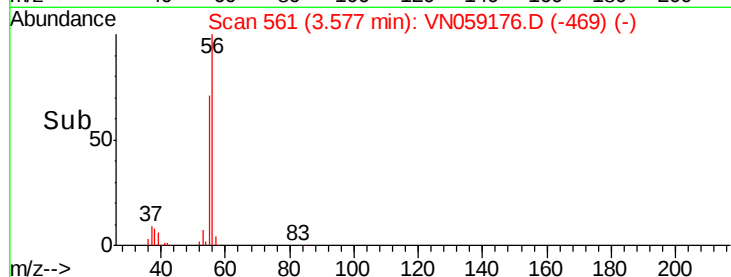
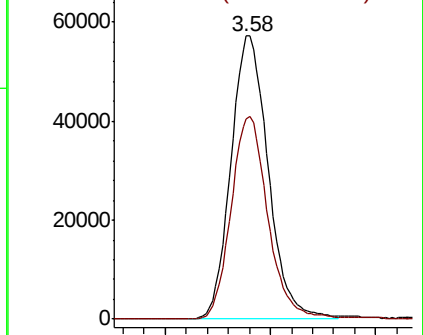
56 100

55 70.5 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.961 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

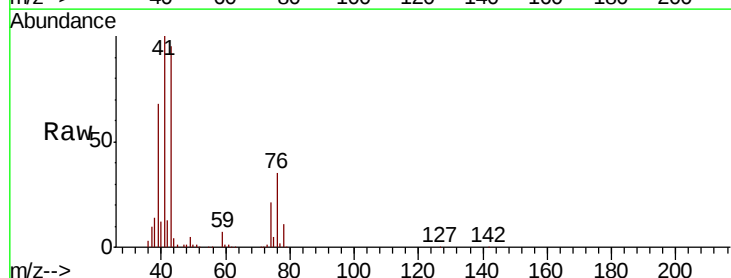
Tgt Ion: 41 Resp: 398873

Ion Ratio Lower Upper

41 100

39 62.5 49.1 73.7

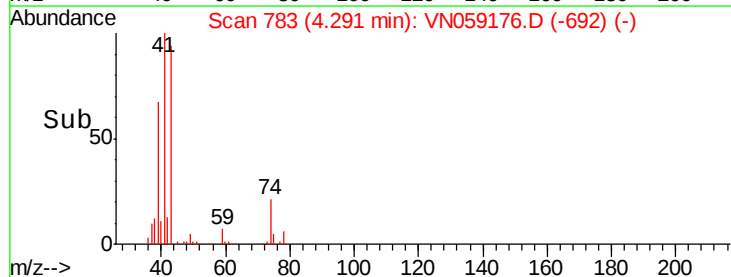
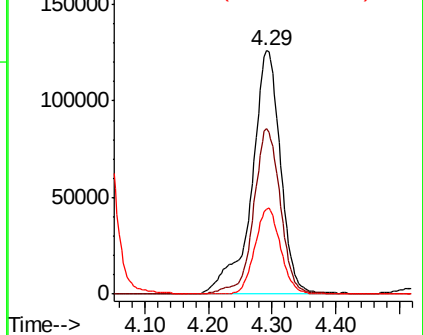
76 31.4 24.9 37.3

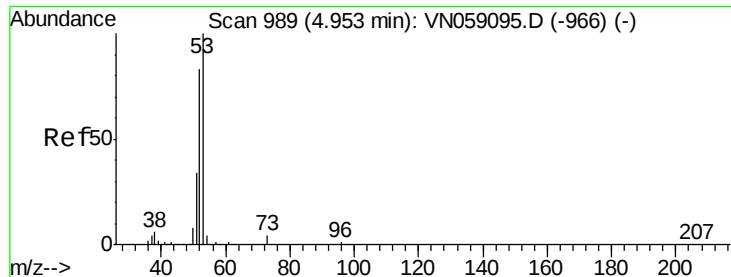


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 245.707 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

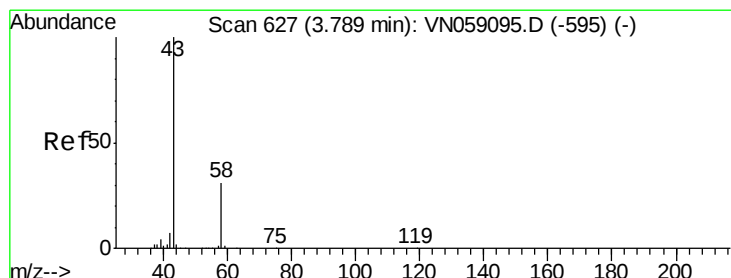
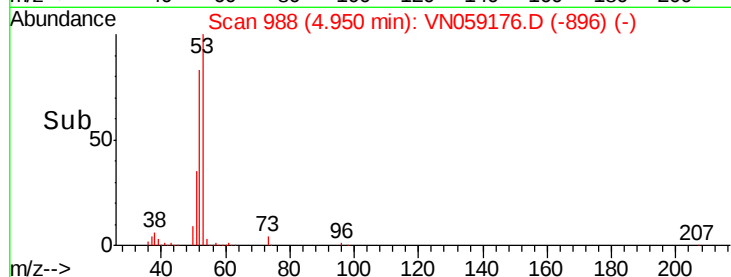
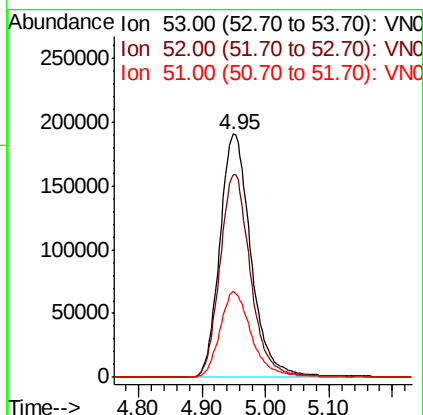
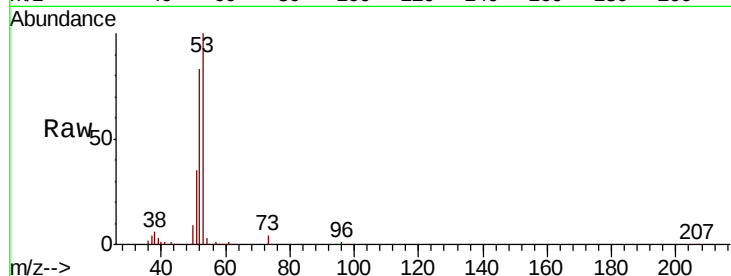
Tot Ion: 53 Resp: 648798

Ion Ratio Lower Upper

53 100

52 81.9 65.0 97.6

51 35.7 28.0 42.0



#16

Acetone

Concen: 277.747 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059176.D

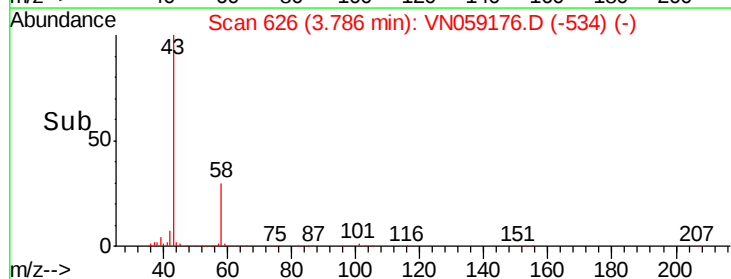
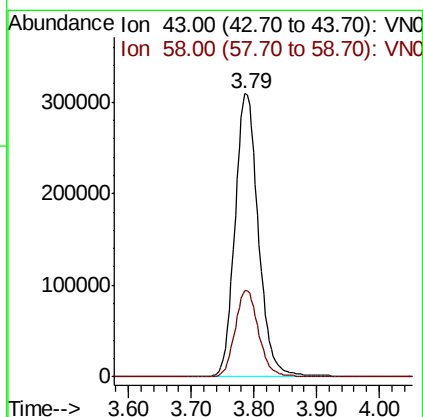
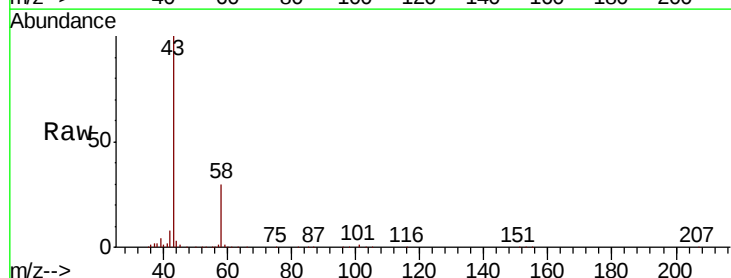
Acq: 12 Nov 2019 9:24

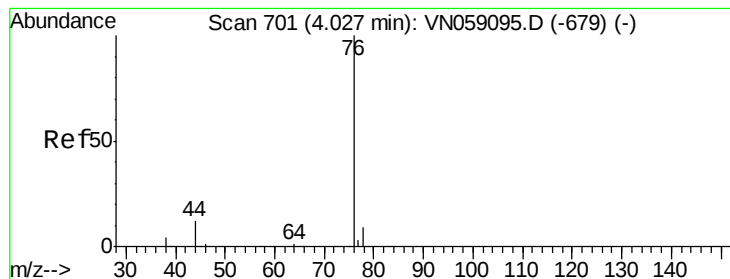
Tgt Ion: 43 Resp: 804123

Ion Ratio Lower Upper

43 100

58 30.4 24.9 37.3





#17

Carbon Disulfide

Concen: 42.387 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

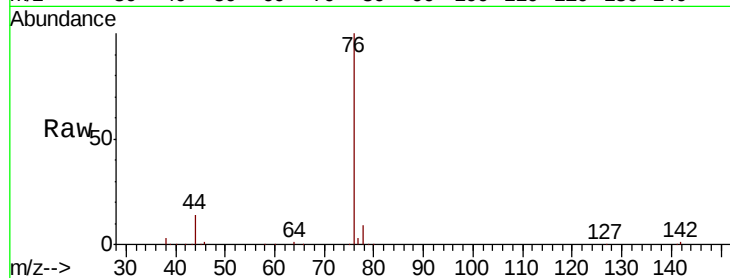
ClientSampled :

Tot Ion: 76 Resp: 555916

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

200000

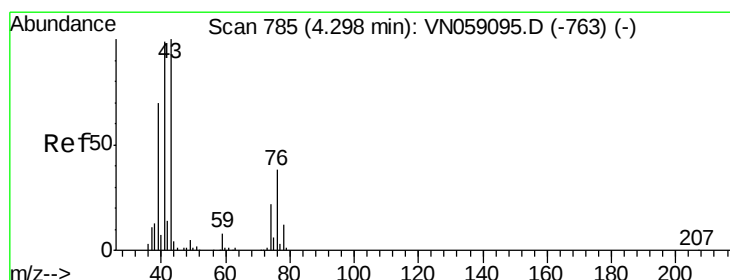
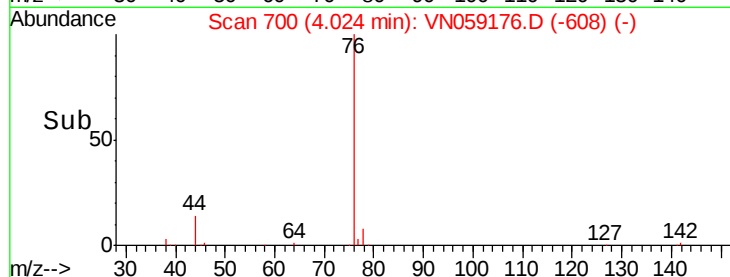
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.316 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059176.D

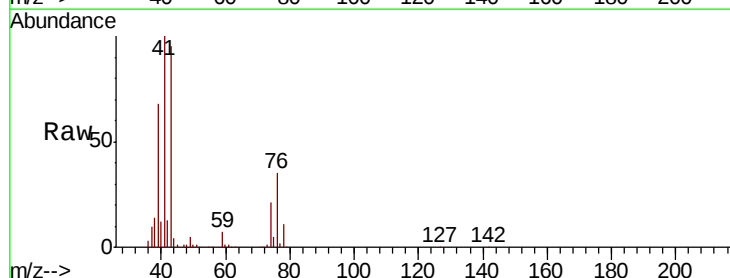
Acq: 12 Nov 2019 9:24

Tgt Ion: 43 Resp: 338896

Ion Ratio Lower Upper

43 100

74 22.1 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

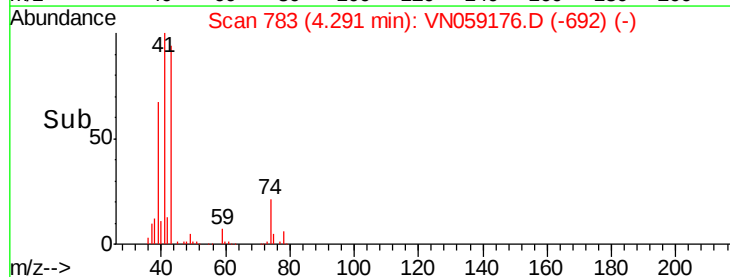
4.29

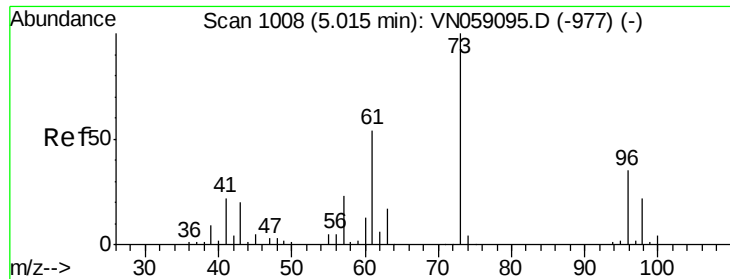
100000

50000

0

Time-->

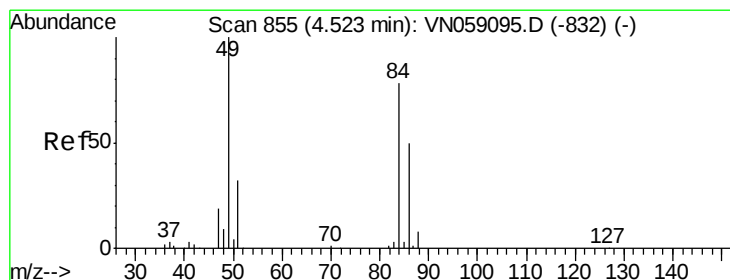
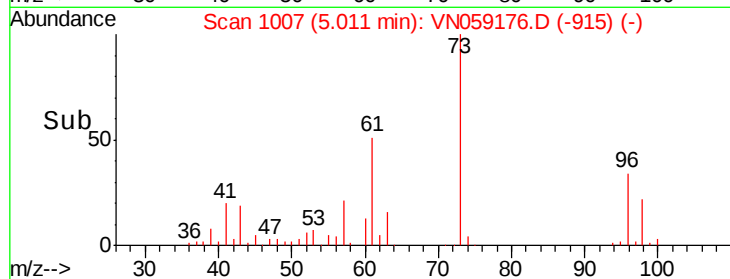
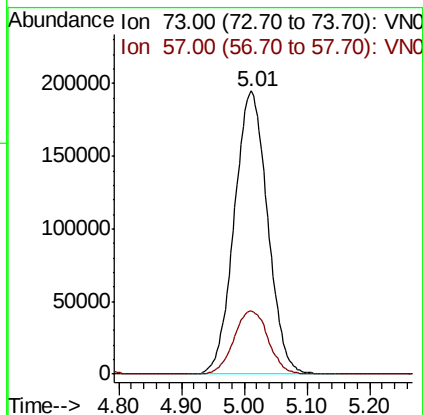
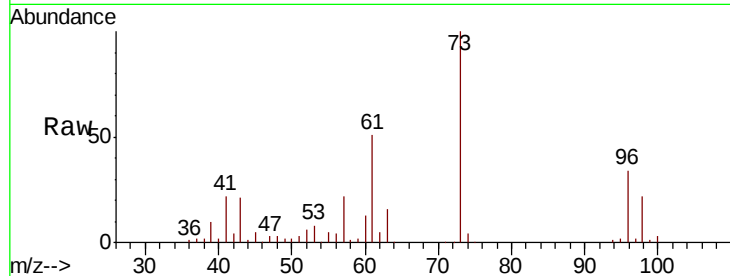




#19
Methvl tert-butvl Ether
Concen: 49.277 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

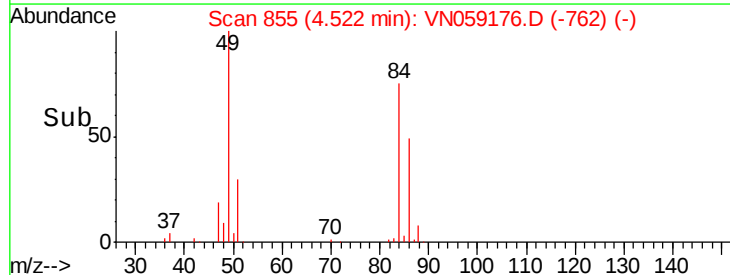
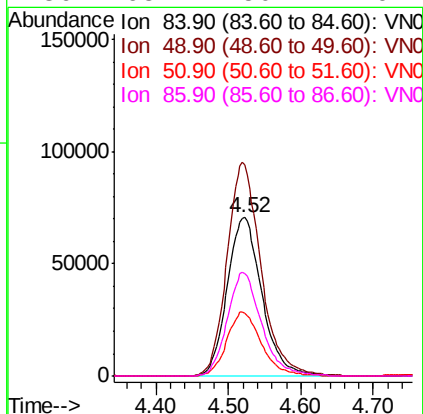
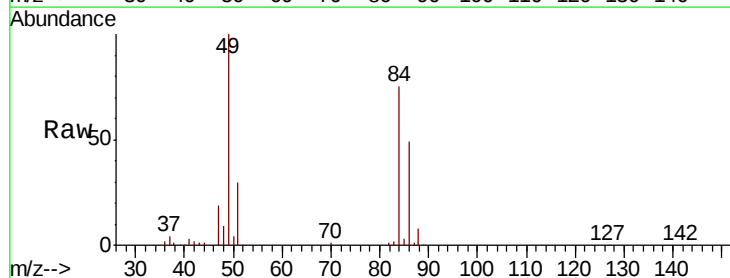
Instrument :
MSVOA_N
ClientSampled :

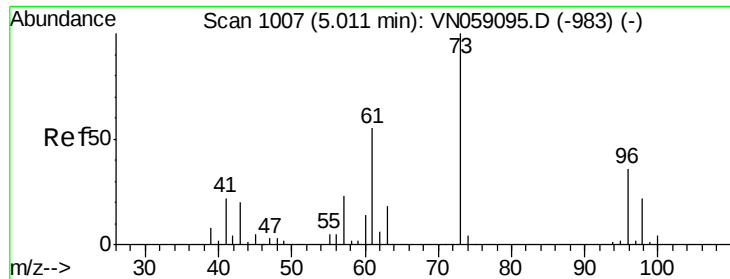
Tot Ion: 73 Resp: 716779
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6



#20
Methylene Chloride
Concen: 46.699 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion: 84 Resp: 235543
Ion Ratio Lower Upper
84 100
49 133.5 102.0 153.0
51 39.8 32.2 48.2
86 65.1 50.7 76.1

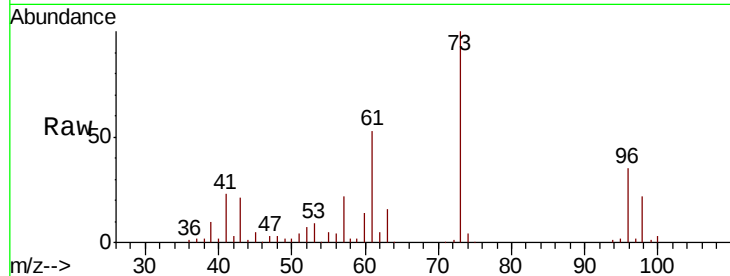




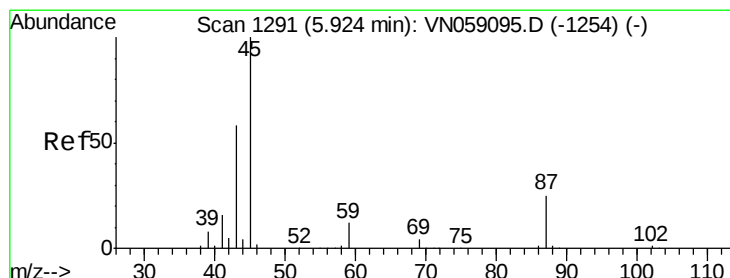
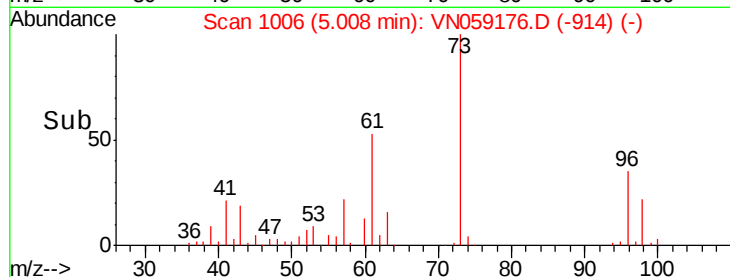
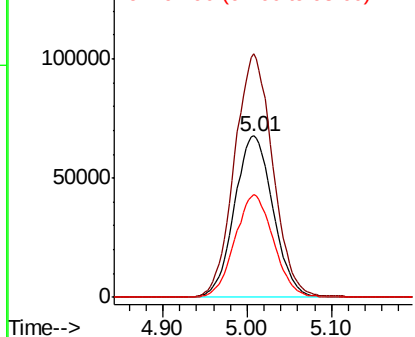
#21
trans-1,2-Dichloroethene
Concen: 47.655 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 216118
Ion Ratio Lower Upper
96 100
61 150.9 122.6 183.8
98 63.5 50.3 75.5

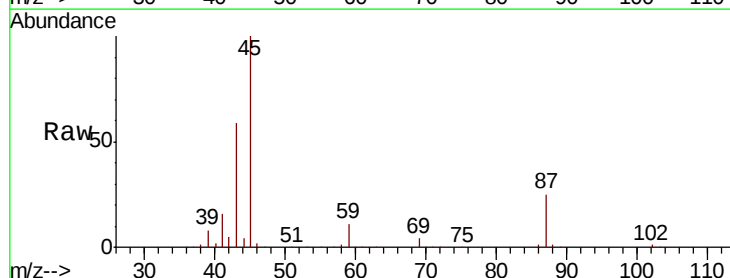


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

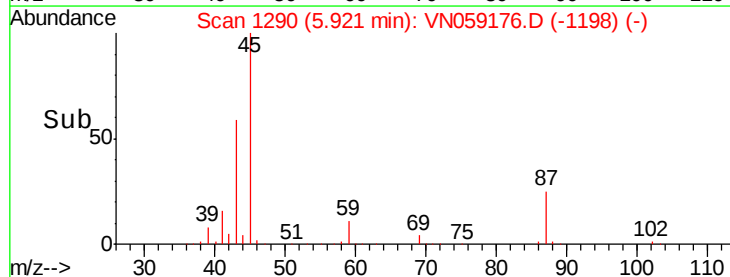
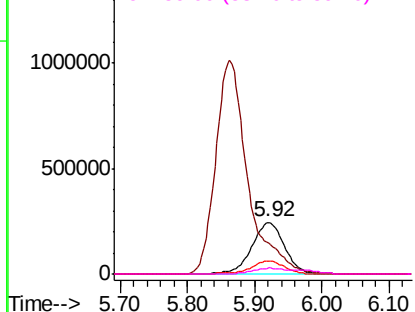


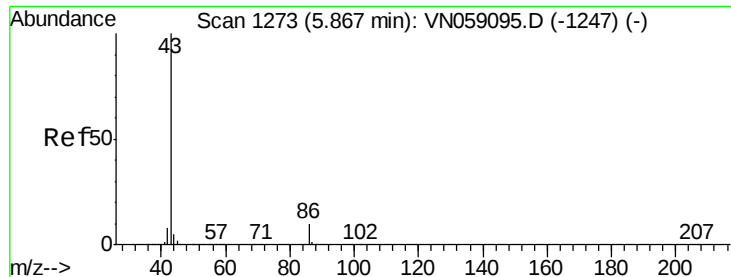
#22
Diisopropyl ether
Concen: 50.001 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion: 45 Resp: 819650
Ion Ratio Lower Upper
45 100
43 58.1 46.7 70.1
87 25.1 20.5 30.7
59 11.1 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

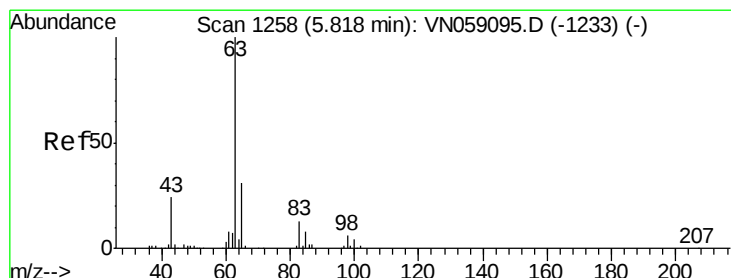
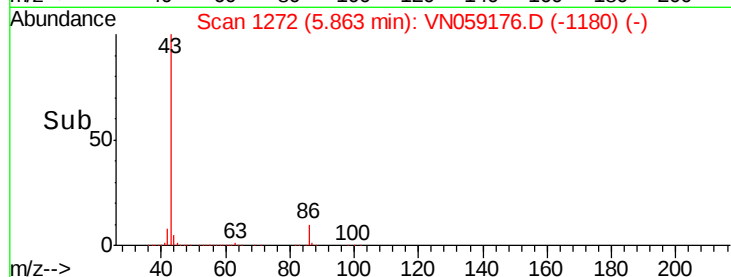
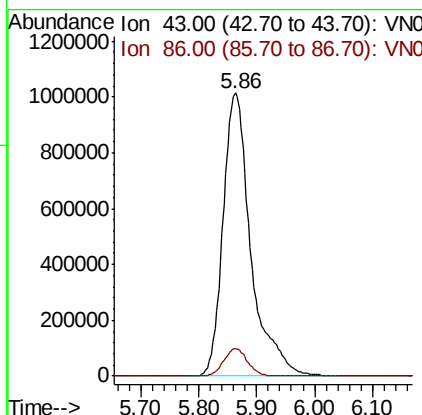
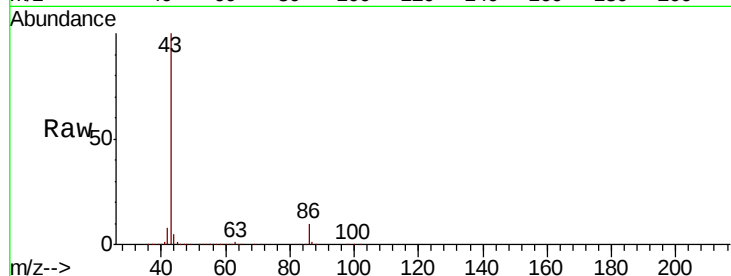




#23
 Vinyl Acetate
 Concen: 265.320 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

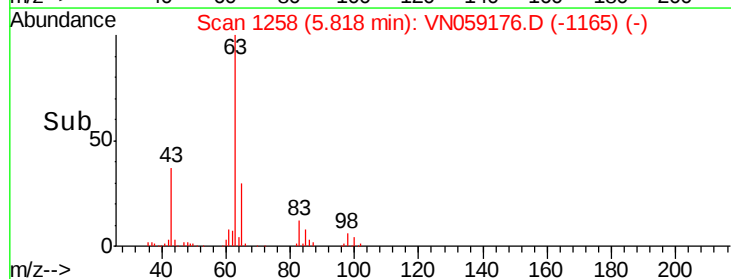
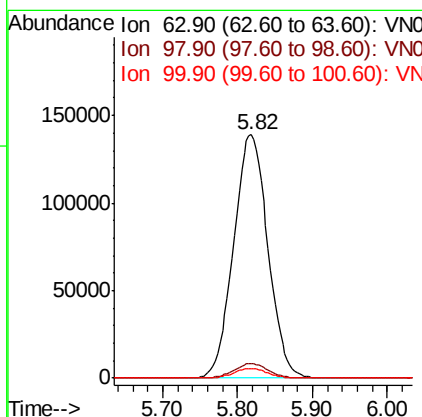
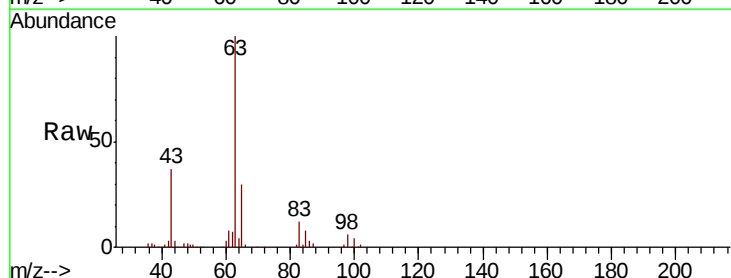
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 3370764
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 48.414 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

Tgt Ion: 63 Resp: 443259
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.8 8.4
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 259.536 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

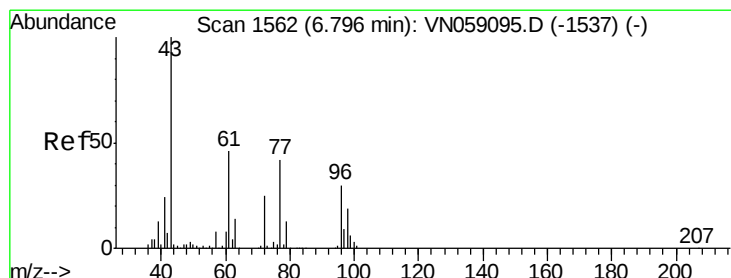
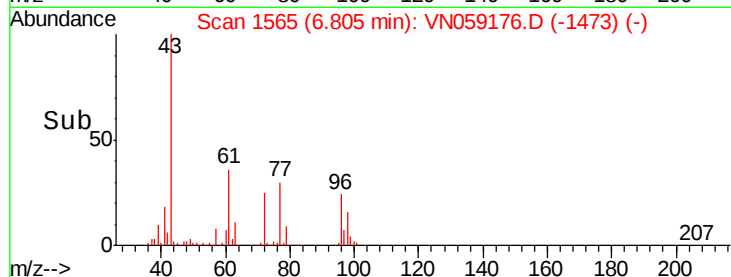
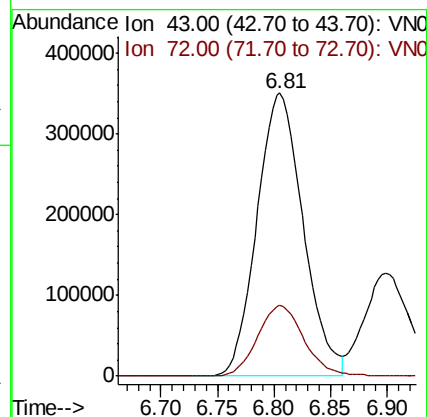
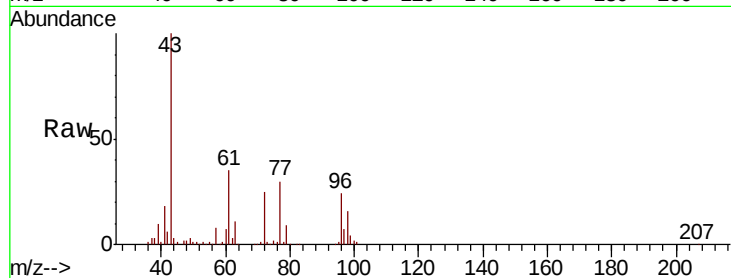
ClientSampled :

Tot Ion: 43 Resp: 990300

Ion Ratio Lower Upper

43 100

72 25.1 20.3 30.5



#26

2,2-Dichloropropane

Concen: 47.678 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059176.D

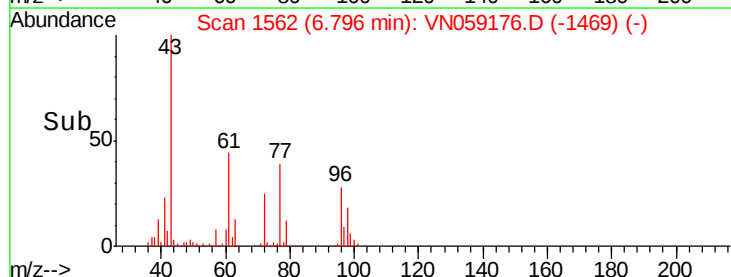
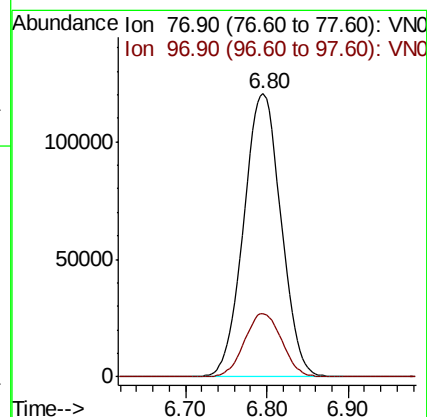
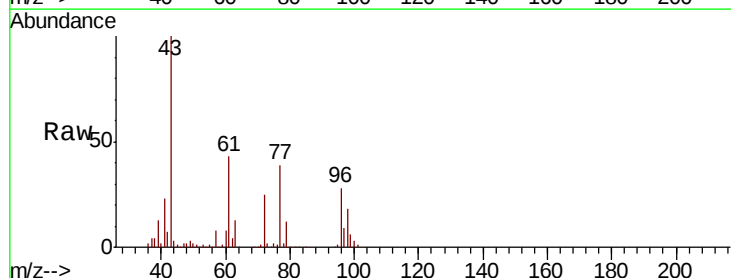
Acq: 12 Nov 2019 9:24

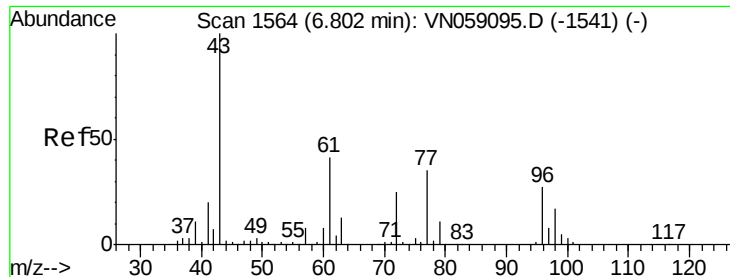
Tgt Ion: 77 Resp: 381705

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 48.356 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

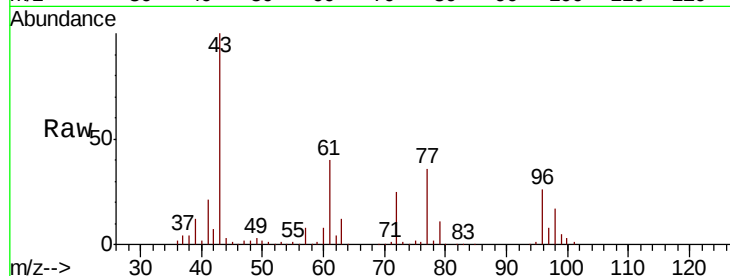
Tot Ion: 96 Resp: 254421

Ion Ratio Lower Upper

96 100

61 156.0 0.0 311.6

98 64.1 0.0 129.8

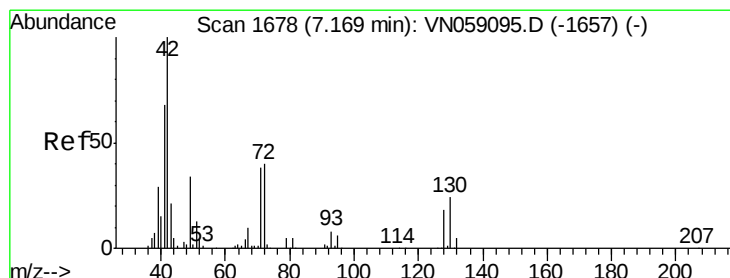
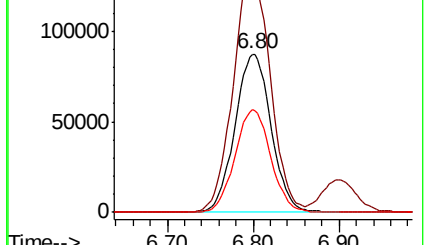
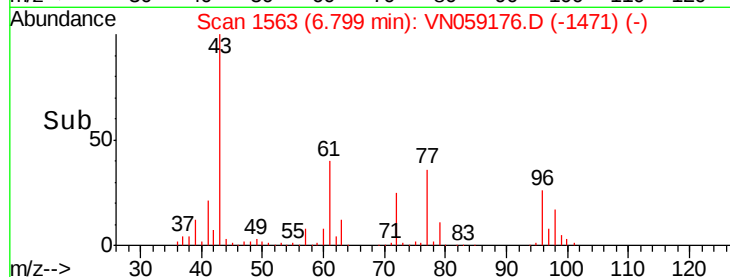


Abundance Ion 95.90 (95.60 to 96.60): VN059095.D (-1541) (-)

Ion 60.90 (60.60 to 61.60): VN059095.D (-1541) (-)

Ion 97.90 (97.60 to 98.60): VN059095.D (-1541) (-)

6.80



#28

Bromochloromethane

Concen: 49.926 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

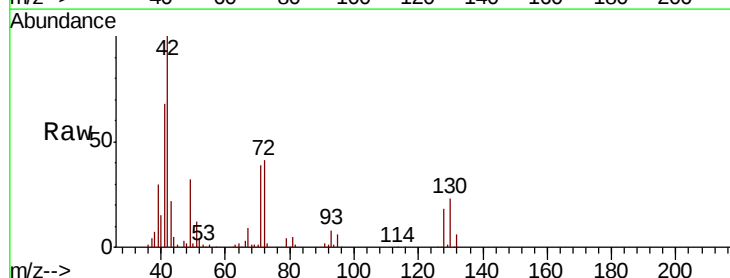
Tgt Ion: 49 Resp: 137524

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.8

130 70.2 55.6 83.4

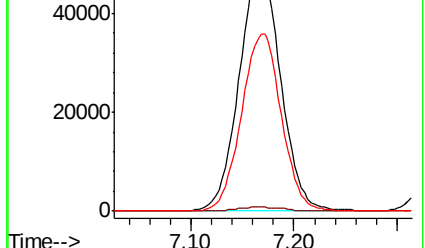
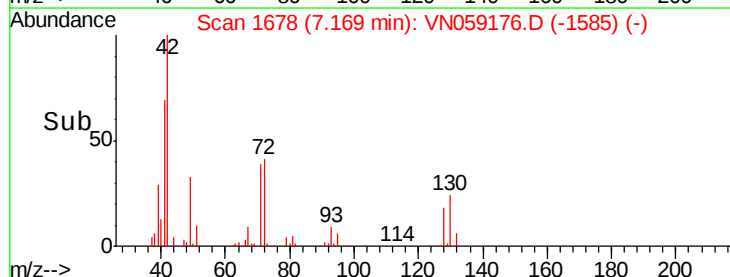


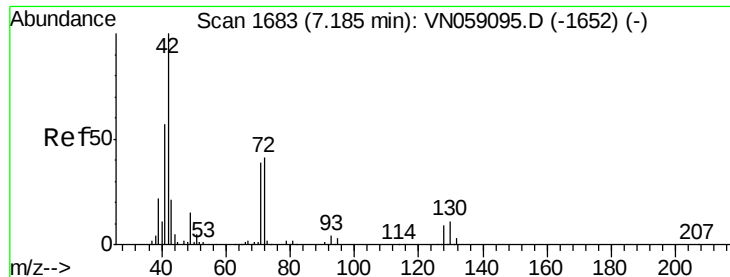
Abundance Ion 48.90 (48.60 to 49.60): VN059095.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059095.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059095.D (-1657) (-)

7.17





#29

Tetrahydrofuran

Concen: 245.867 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampled :

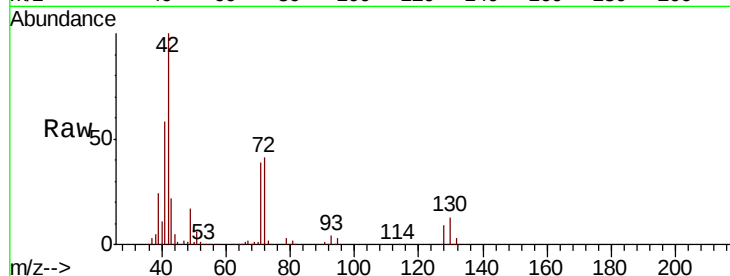
Tot Ion: 42 Resp: 596096

Ion Ratio Lower Upper

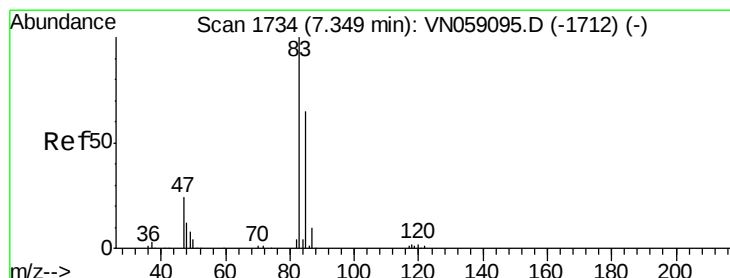
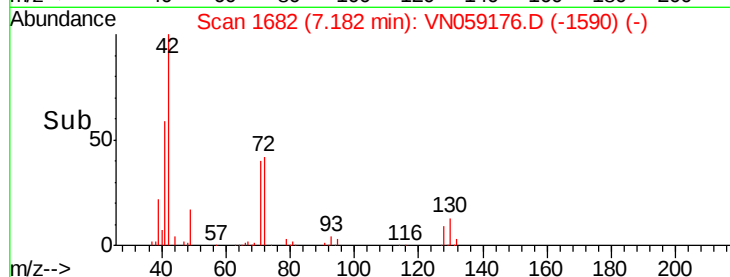
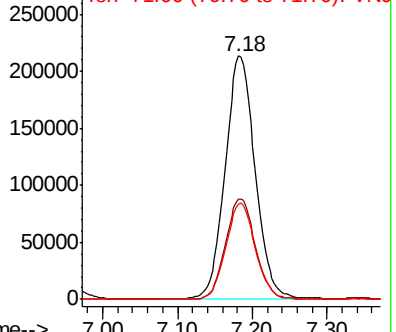
42 100

72 41.2 33.1 49.7

71 38.8 30.9 46.3



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 48.975 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059176.D

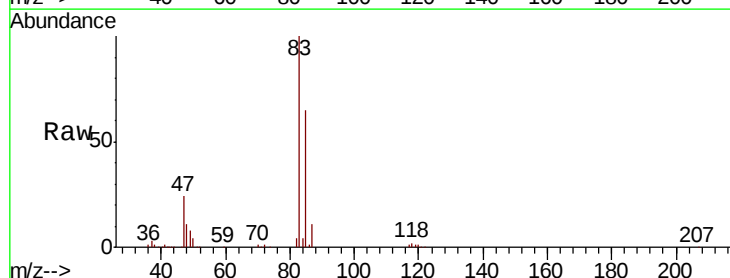
Acq: 12 Nov 2019 9:24

Tgt Ion: 83 Resp: 430136

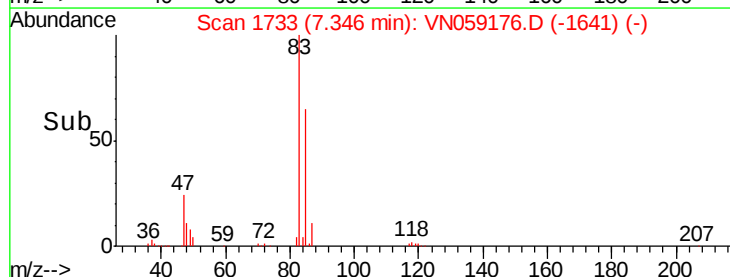
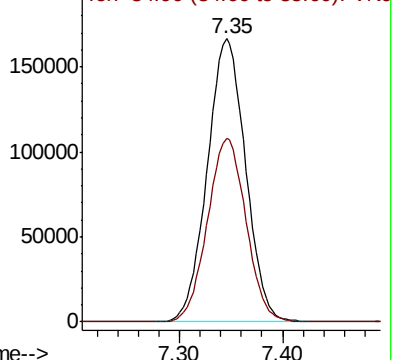
Ion Ratio Lower Upper

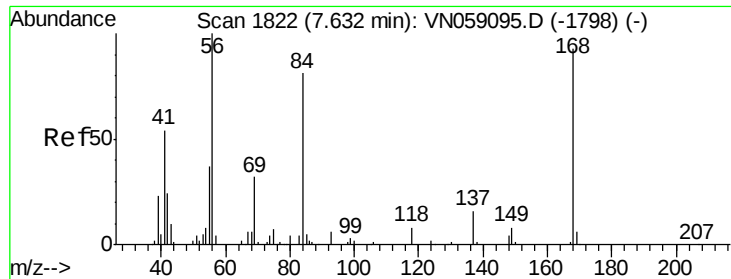
83 100

85 64.9 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

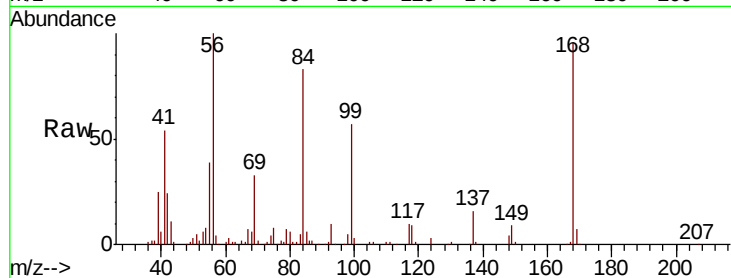




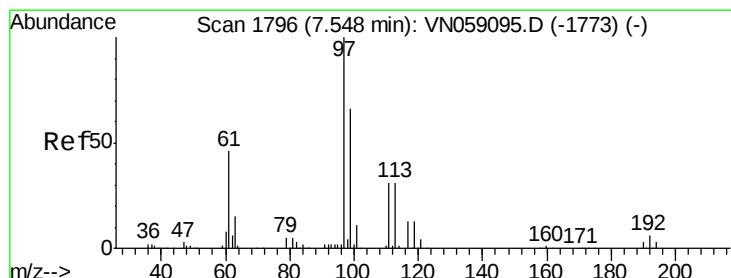
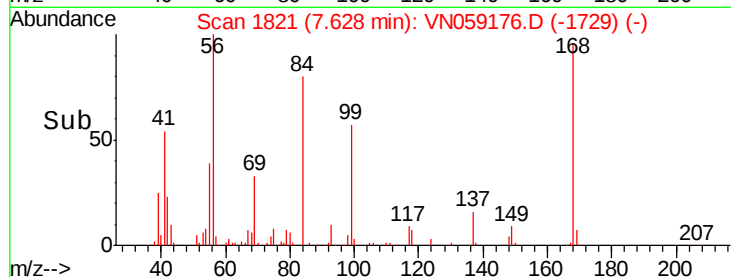
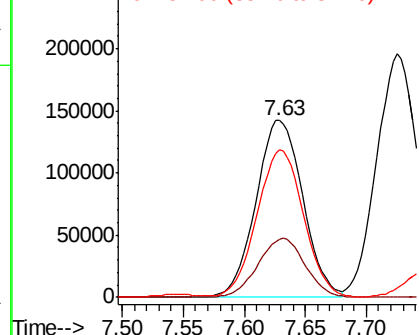
#31
Cyclohexane
Concen: 43.847 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 380044
Ion Ratio Lower Upper
56 100
69 32.7 25.8 38.8
84 82.1 65.0 97.4

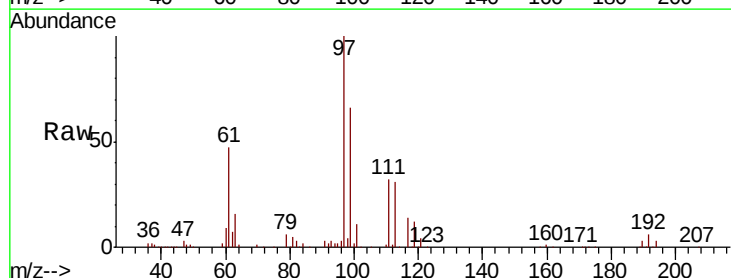


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

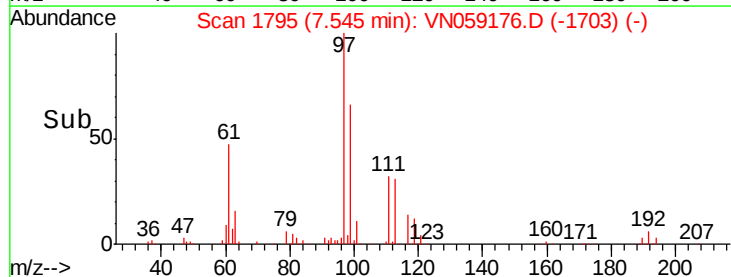
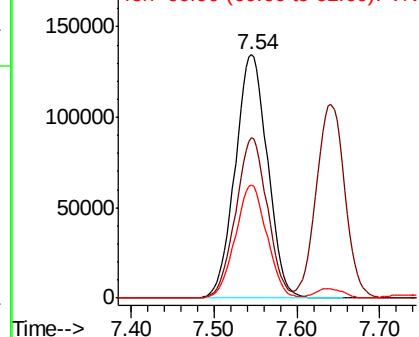


#32
1,1,1-Trichloroethane
Concen: 49.487 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion: 97 Resp: 365415
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.6
61 45.6 35.8 53.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 50.983 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

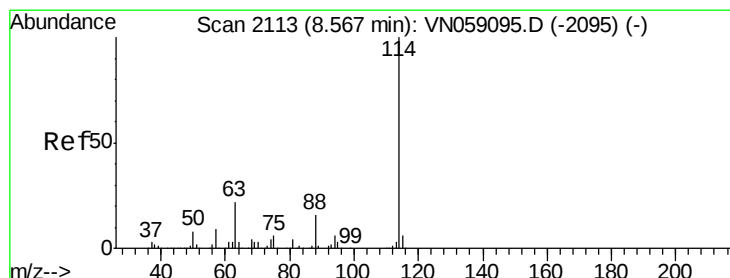
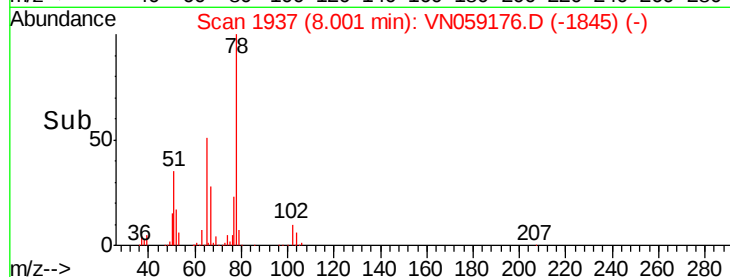
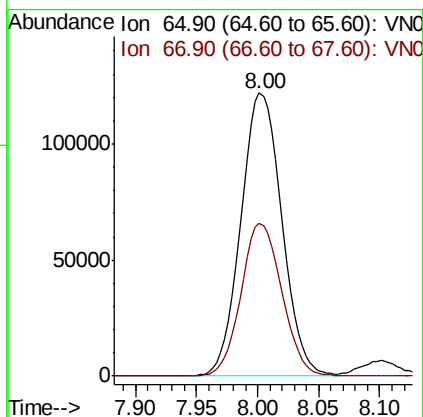
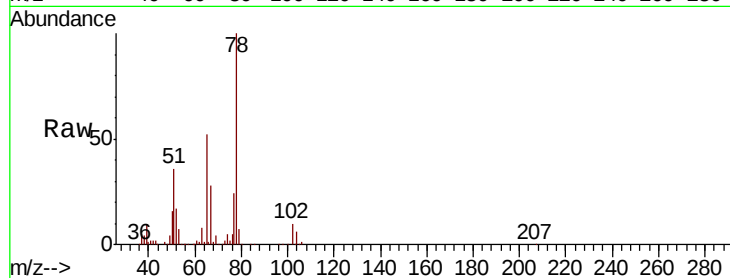
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 283846

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

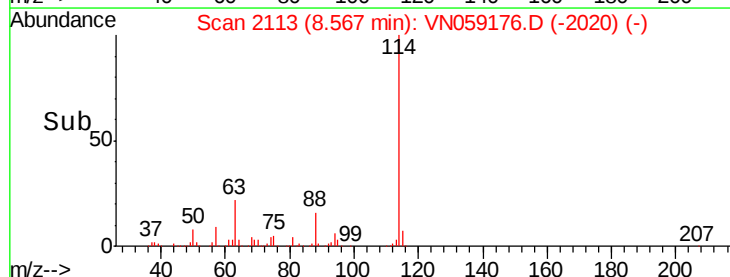
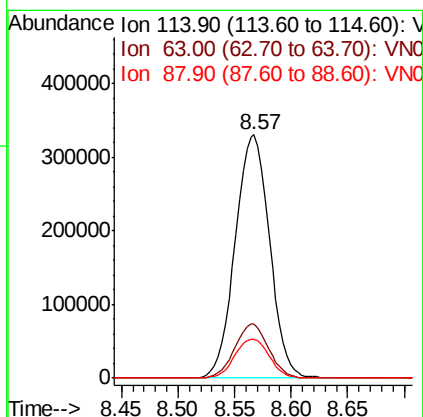
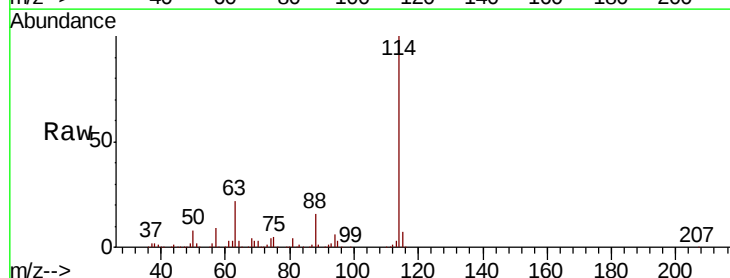
Tgt Ion: 114 Resp: 699501

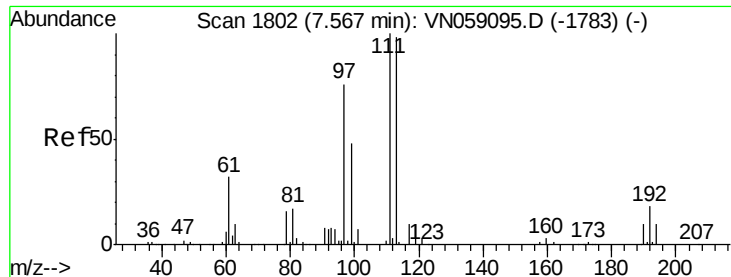
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.4

88 16.0 0.0 32.2

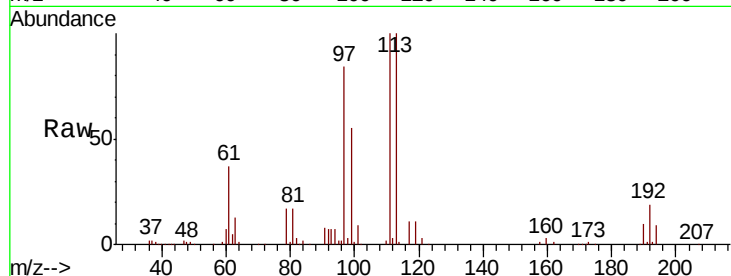




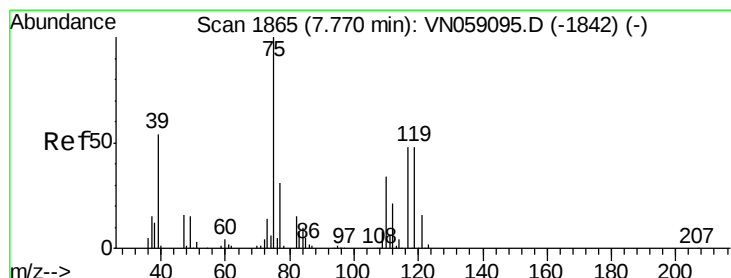
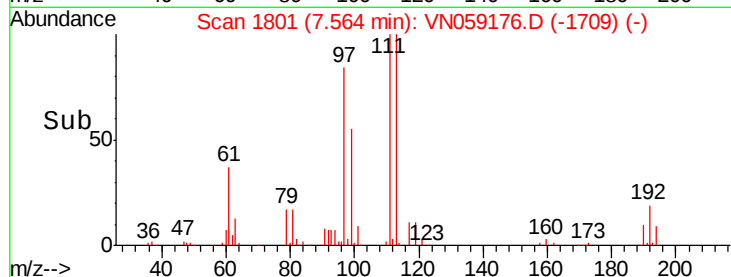
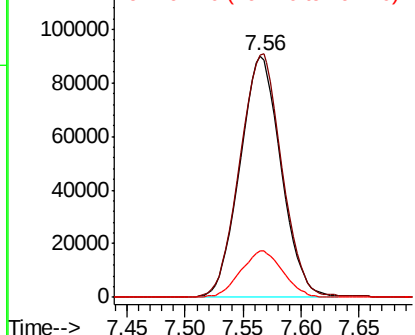
#35
Dibromofluoromethane
Concen: 53.102 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 221793
Ion Ratio Lower Upper
113 100
111 103.6 82.8 124.2
192 19.8 16.1 24.1

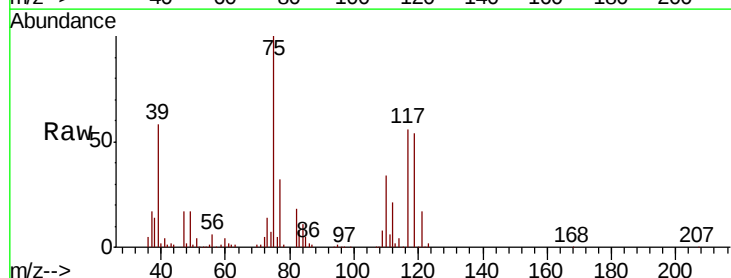


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

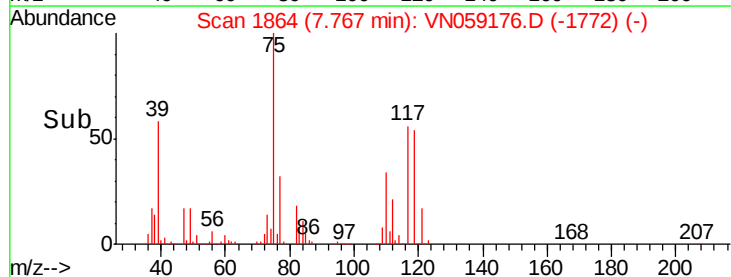
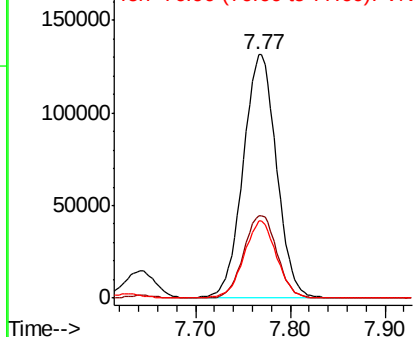


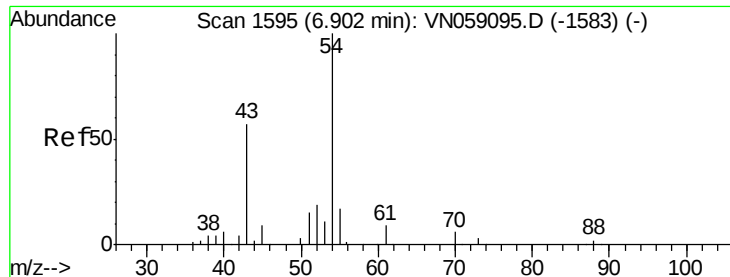
#36
1,1-Dichloropropene
Concen: 49.084 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion: 75 Resp: 320924
Ion Ratio Lower Upper
75 100
110 33.9 17.1 51.2
77 31.3 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

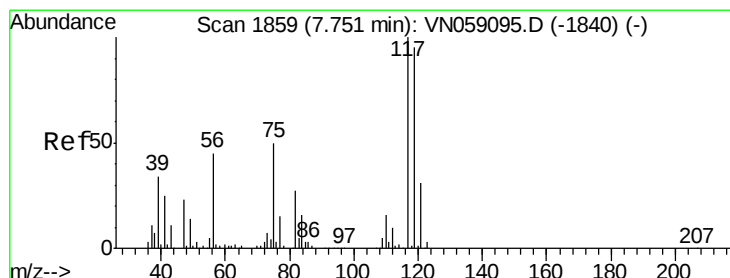
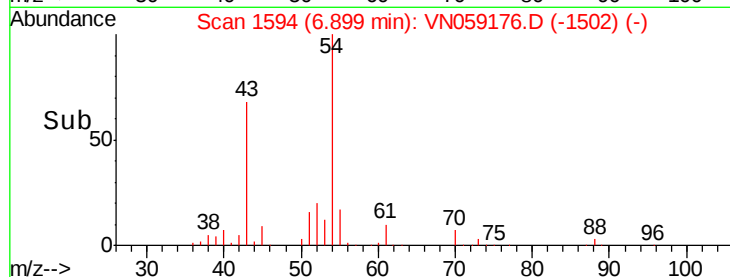
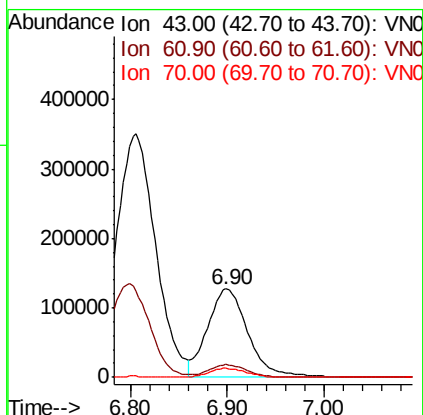
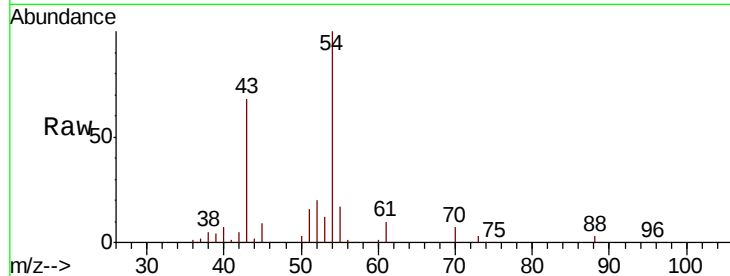




#37
Ethyl Acetate
Concen: 49.909 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

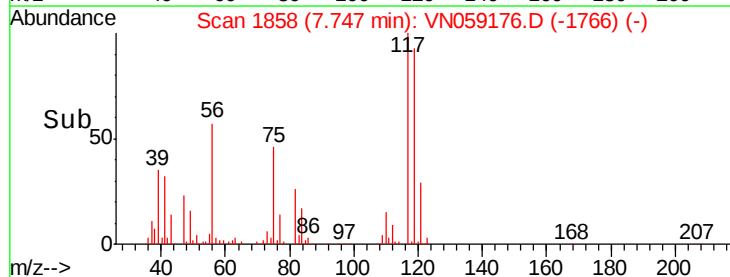
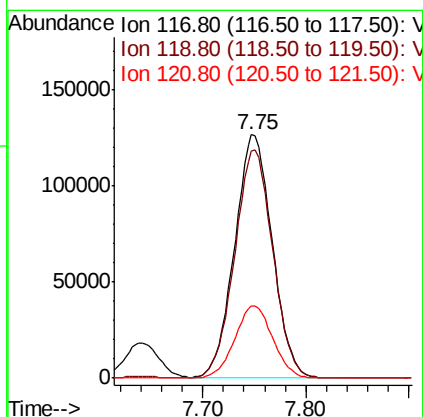
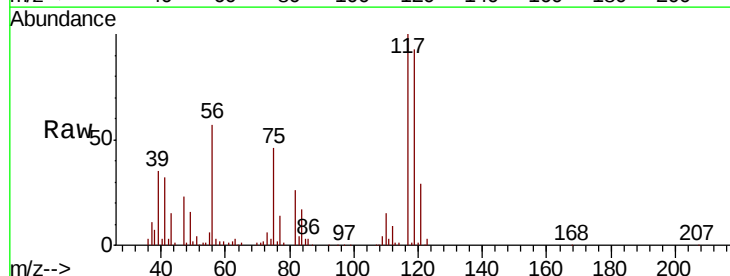
Instrument :
MSVOA_N
ClientSampled :

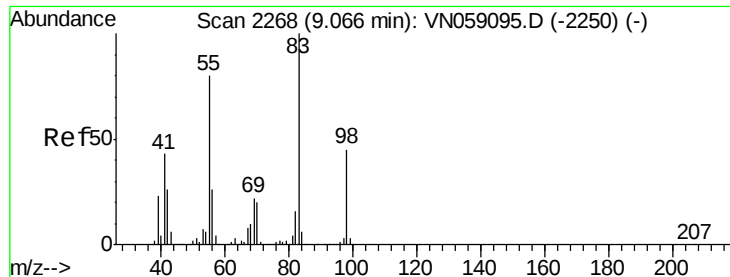
Tot Ion: 43 Resp: 363023
Ion Ratio Lower Upper
43 100
61 13.7 11.2 16.8
70 9.9 7.8 11.8



#38
Carbon Tetrachloride
Concen: 49.309 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion: 117 Resp: 320888
Ion Ratio Lower Upper
117 100
119 93.5 75.6 113.4
121 29.4 24.6 36.8

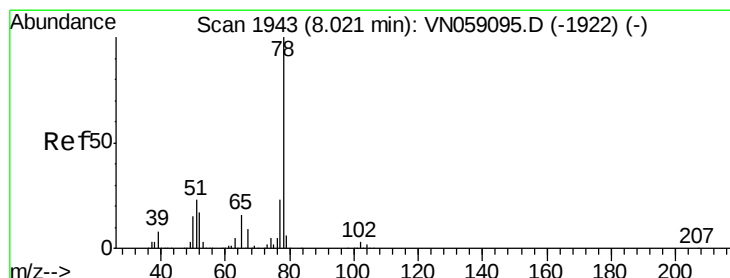
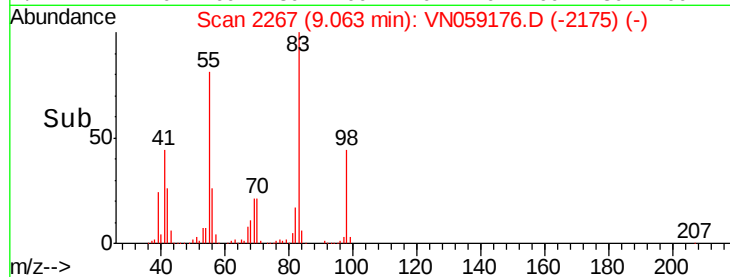
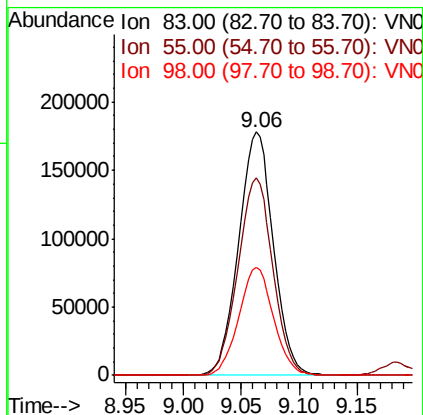
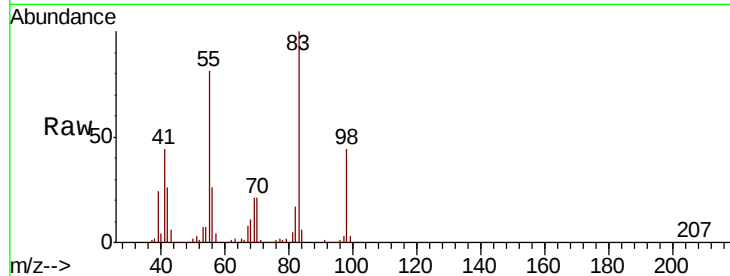




#39
Methvlcvclohexane
Concen: 48.824 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

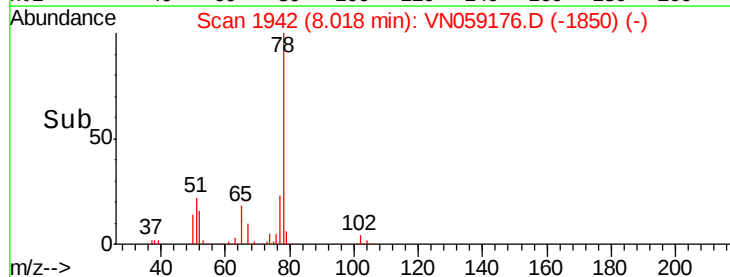
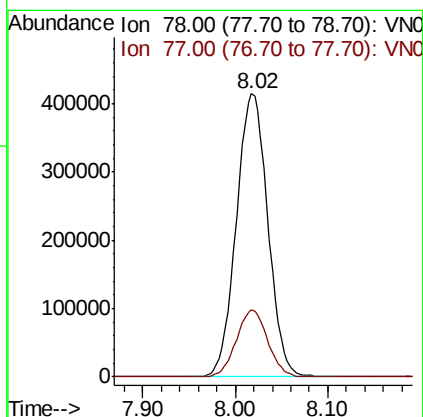
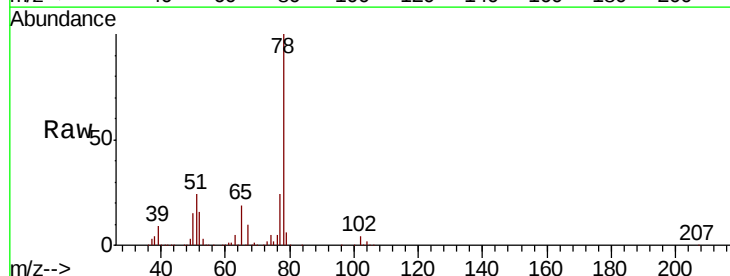
Instrument :
MSVOA_N
ClientSampleId :

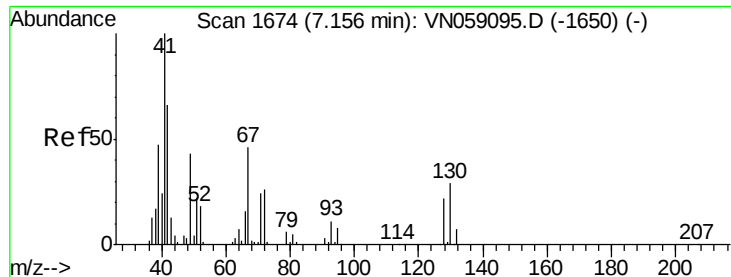
Tot Ion: 83 Resp: 370490
Ion Ratio Lower Upper
83 100
55 80.9 63.9 95.9
98 44.3 35.6 53.4



#40
Benzene
Concen: 49.680 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion: 78 Resp: 978150
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

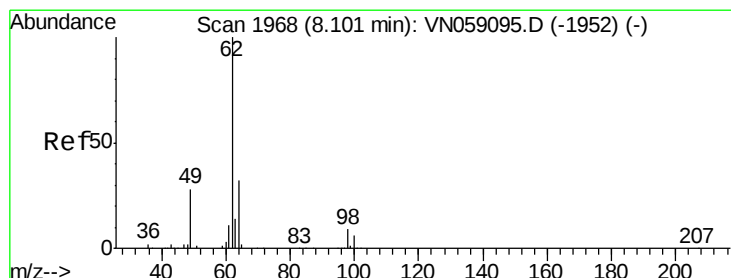
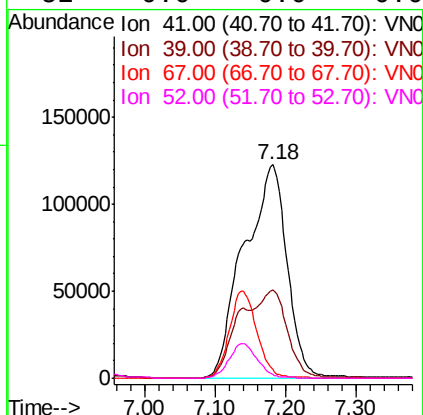
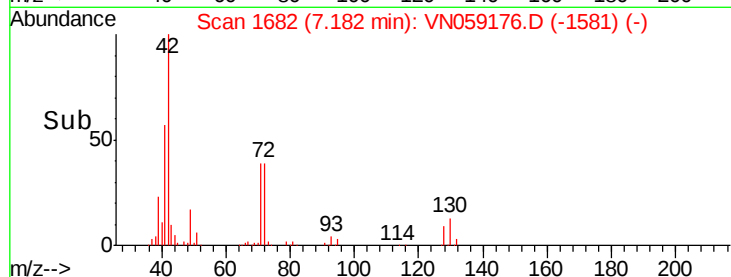
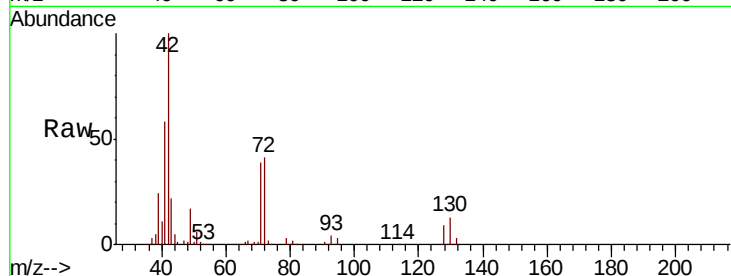




#41
Methacrylonitrile
Concen: 164.889 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

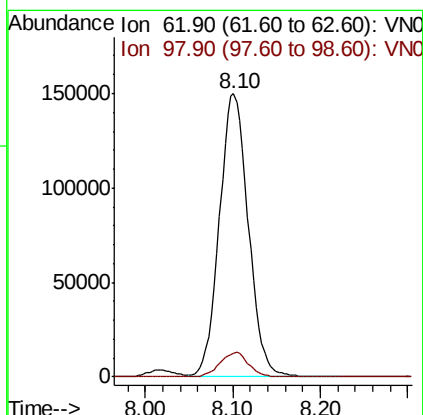
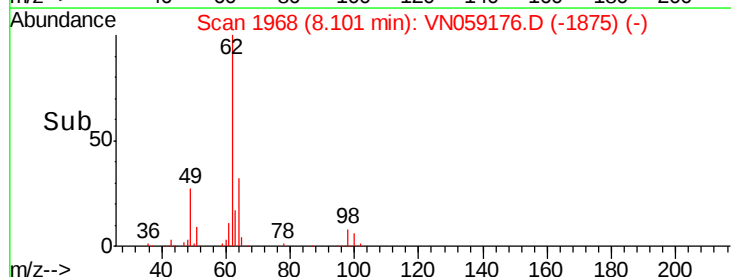
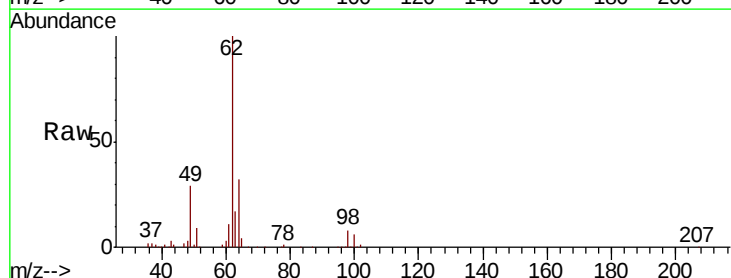
Instrument :
MSVOA_N
ClientSampled :

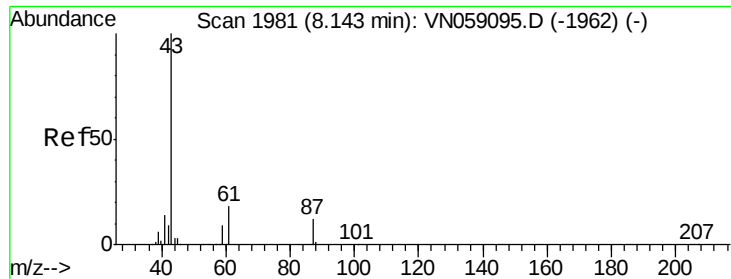
Tot Ion:	41	Resp:	521527
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 50.916 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion:	62	Resp:	343830
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8

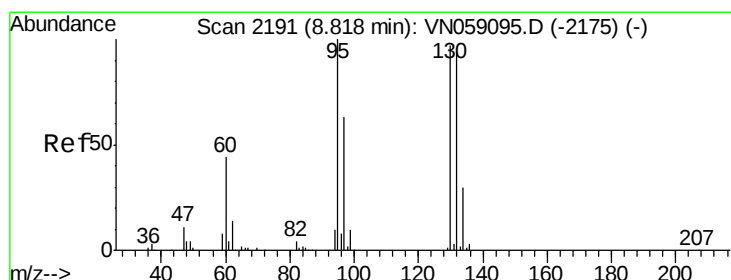
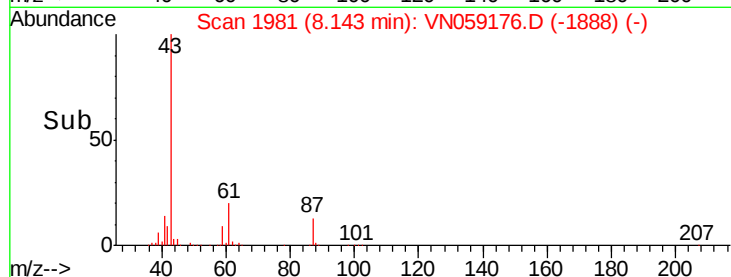
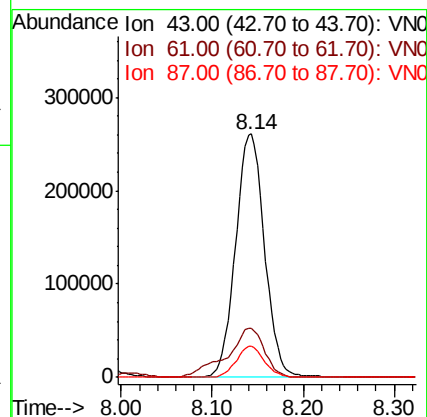
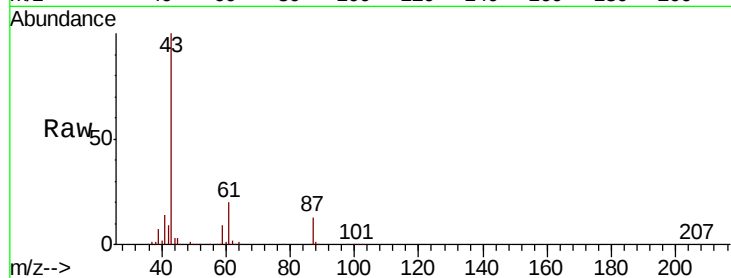




#43
Isopropyl Acetate
Concen: 49.480 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

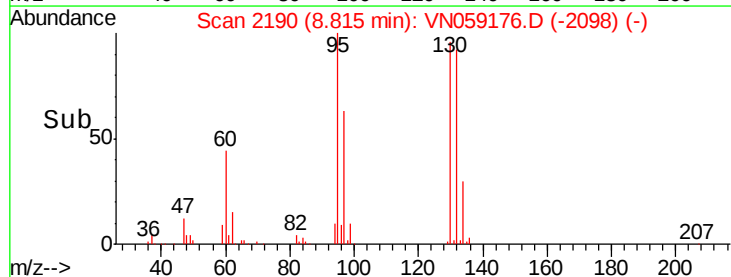
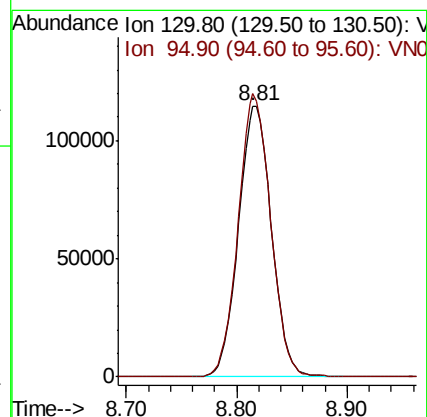
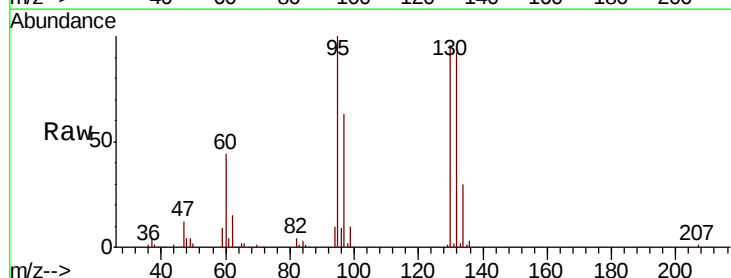
Instrument :
MSVOA_N
ClientSampleId :

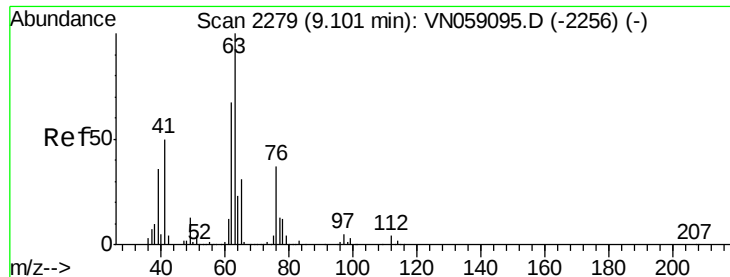
Tot Ion: 43 Resp: 573775
Ion Ratio Lower Upper
43 100
61 26.0 21.0 31.6
87 12.5 9.8 14.6



#44
Trichloroethene
Concen: 49.133 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion: 130 Resp: 237798
Ion Ratio Lower Upper
130 100
95 104.5 0.0 206.4





#45

1,2-Dichloropropane

Concen: 49.932 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

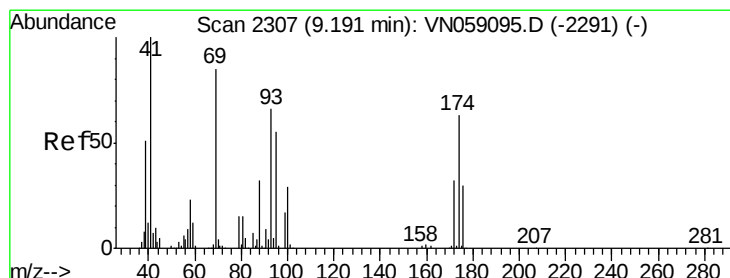
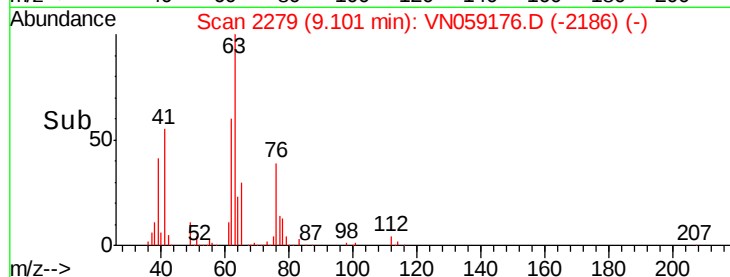
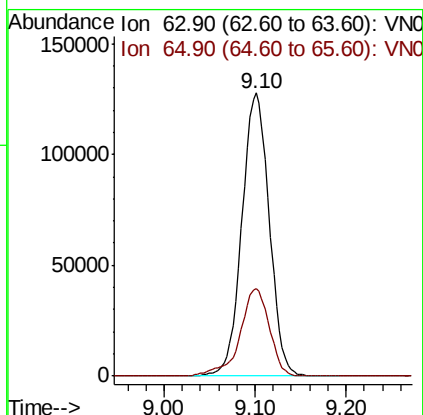
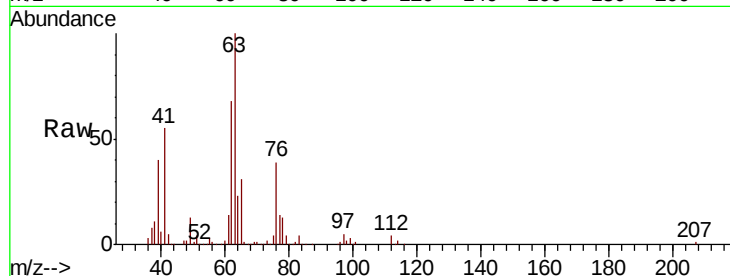
ClientSampled :

Tot Ion: 63 Resp: 267034

Ion Ratio Lower Upper

63 100

65 31.1 24.6 37.0



#46

Dibromomethane

Concen: 49.446 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

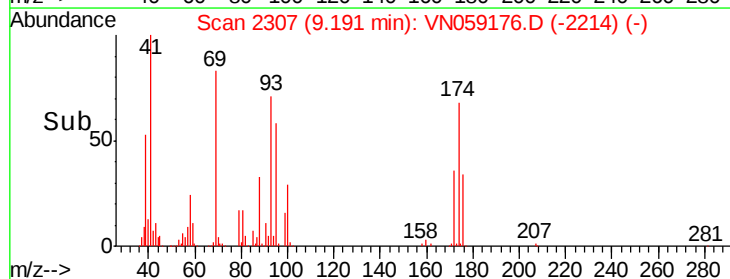
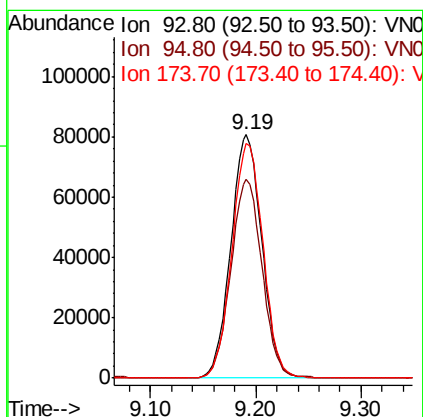
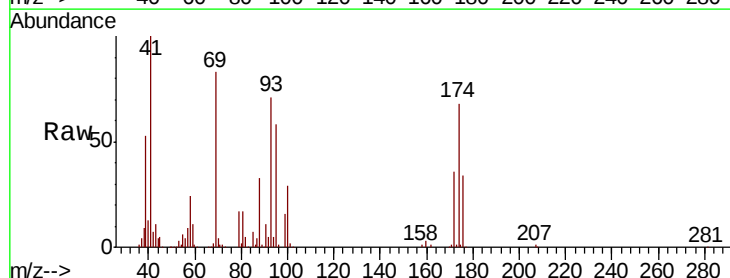
Tgt Ion: 93 Resp: 164781

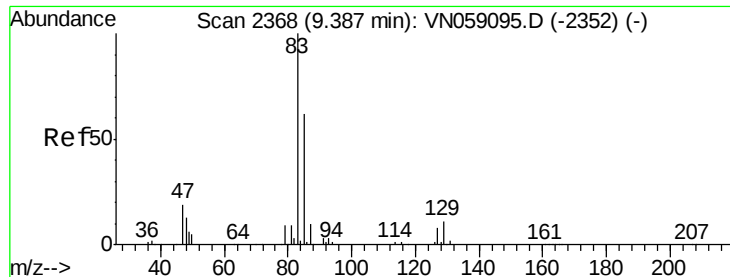
Ion Ratio Lower Upper

93 100

95 82.1 66.6 100.0

174 96.6 78.2 117.2

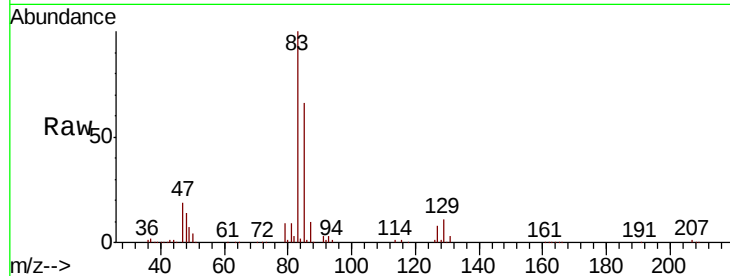




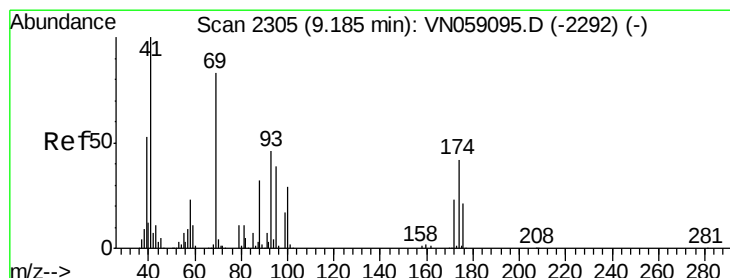
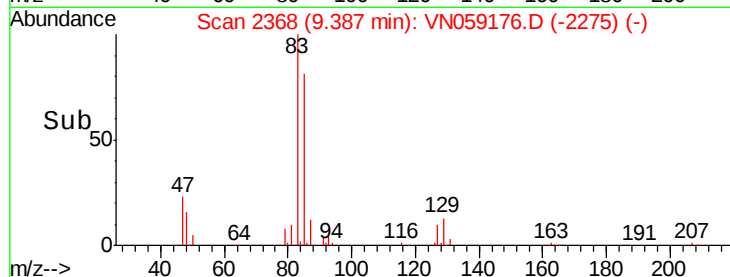
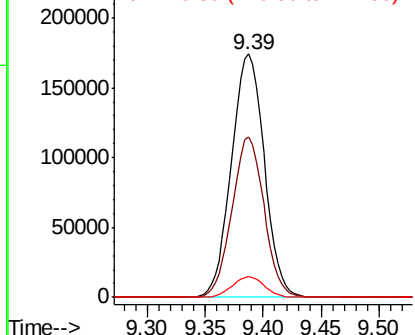
#47
Bromodichloromethane
Concen: 51.412 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	83	Resp	342124
Ion Ratio	100		
85	66.0	49.7	74.5
127	8.3	6.4	9.6

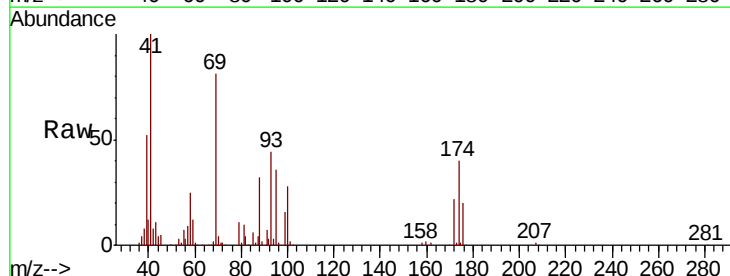


Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): V

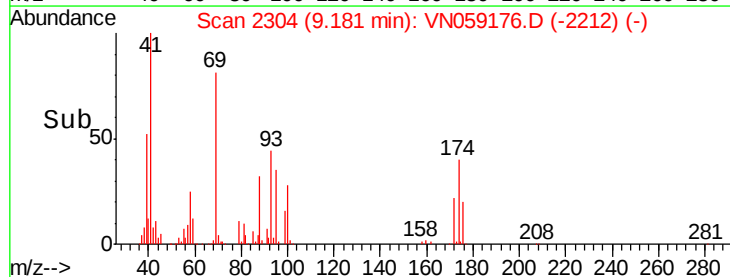
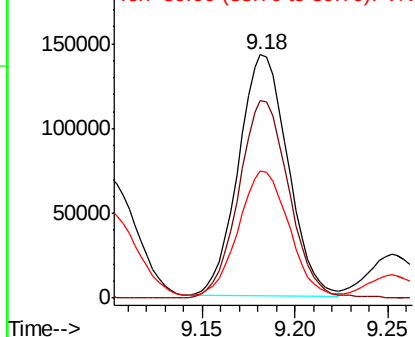


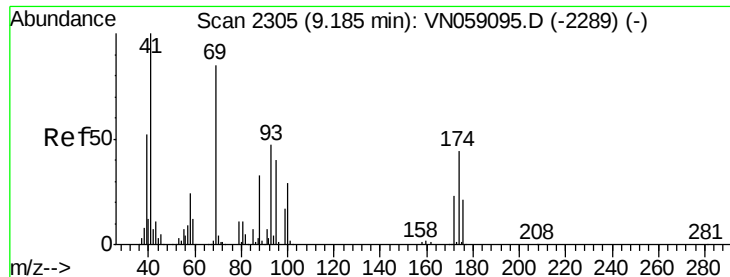
#48
Methyl methacrylate
Concen: 50.874 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	41	Resp	263876
Ion Ratio	100		
69	83.3	67.3	100.9
39	54.3	43.3	64.9



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

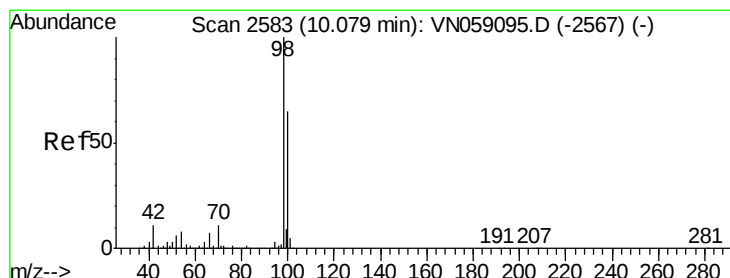
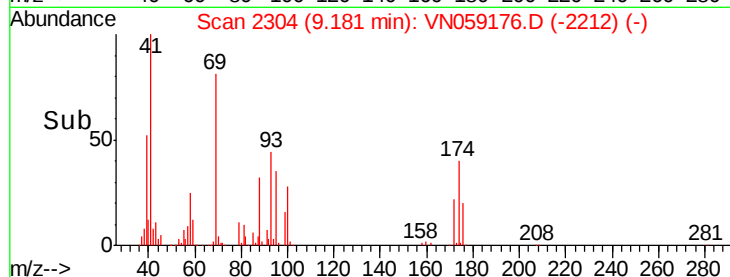
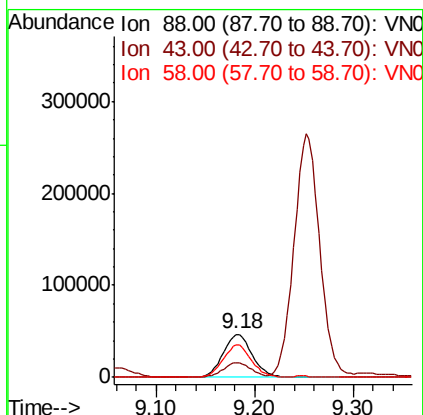
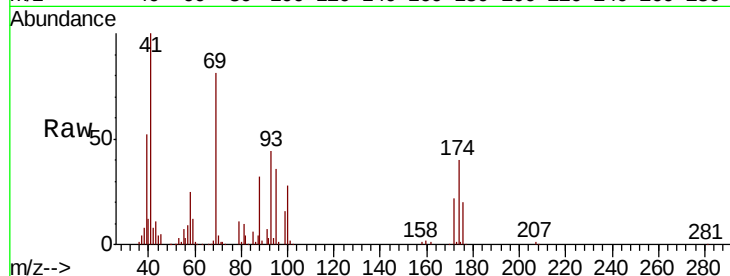




#49
1,4-Dioxane
Concen: 1052.263 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

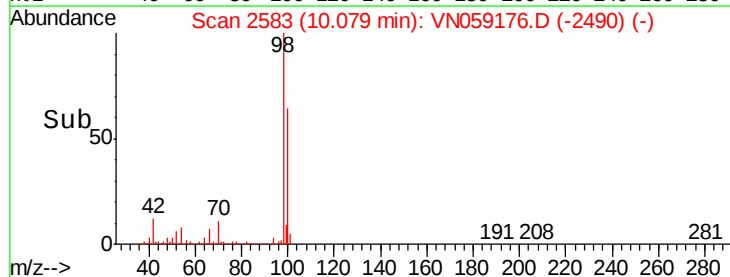
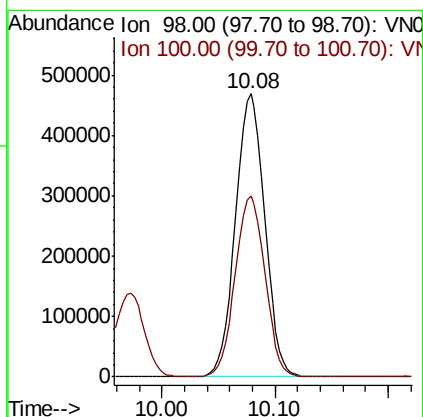
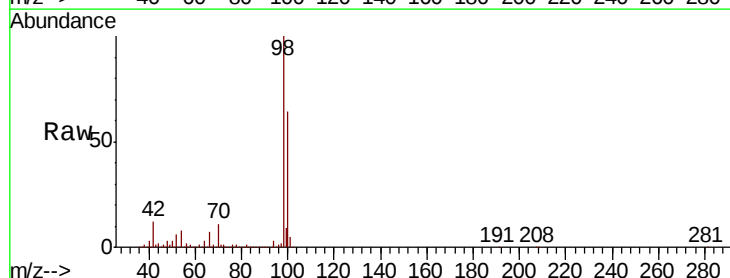
Instrument :
MSVOA_N
ClientSampleId :

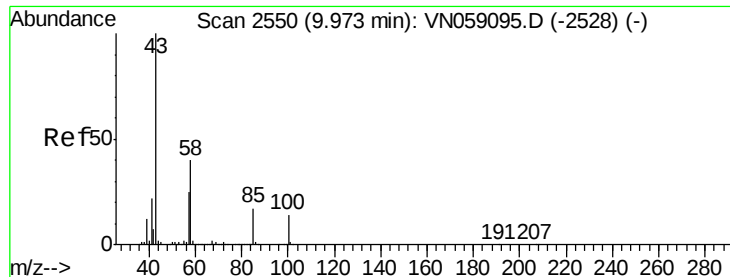
Tot Ion: 88 Resp: 96996
Ion Ratio Lower Upper
88 100
43 32.3 26.3 39.5
58 73.7 60.6 90.8



#50
Toluene-d8
Concen: 51.618 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion: 98 Resp: 849205
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 278.638 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

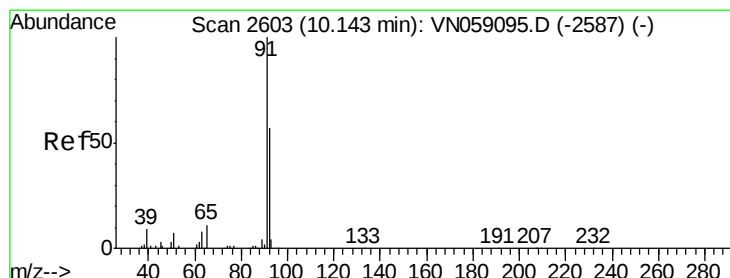
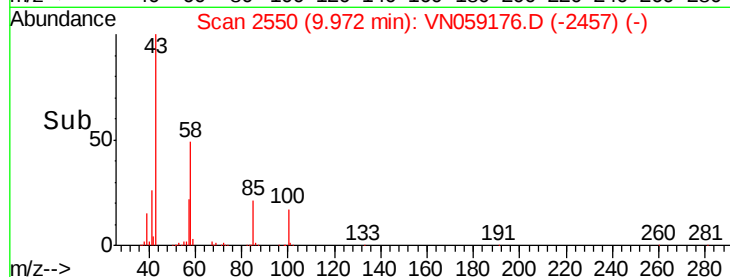
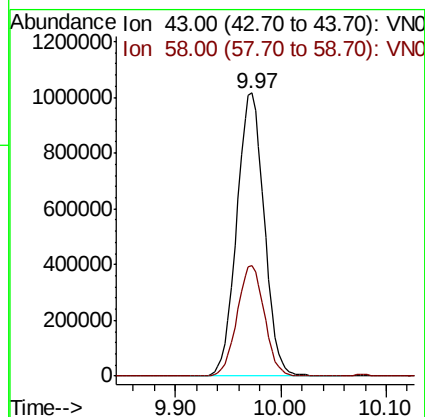
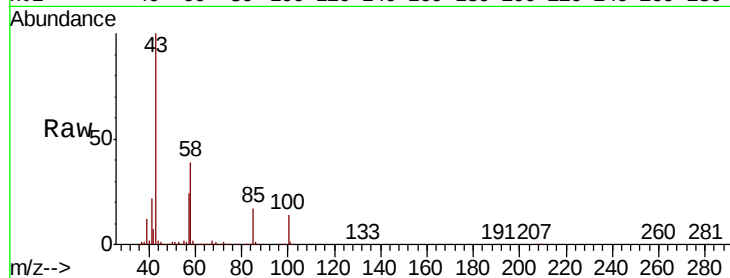
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1828234

Ion Ratio Lower Upper

43 100

58 38.9 31.5 47.3



#52

Toluene

Concen: 50.624 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059176.D

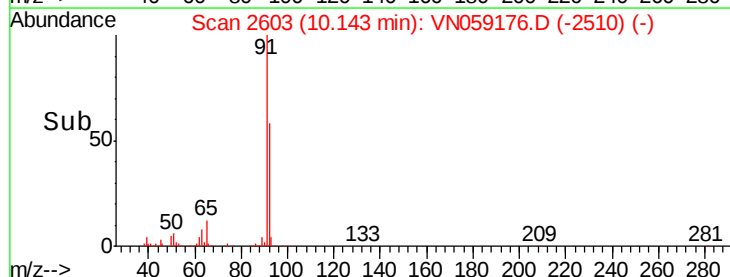
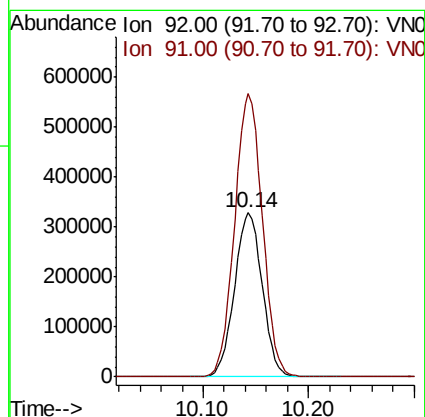
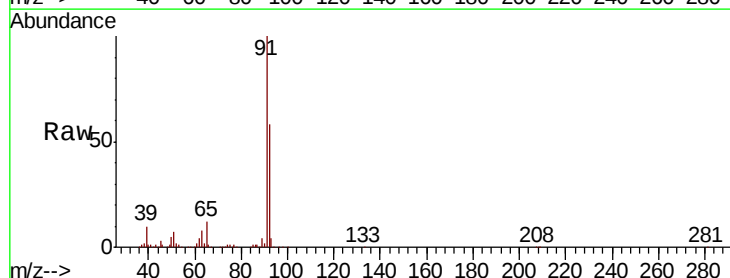
Acq: 12 Nov 2019 9:24

Tgt Ion: 92 Resp: 597413

Ion Ratio Lower Upper

92 100

91 172.9 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 50.602 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

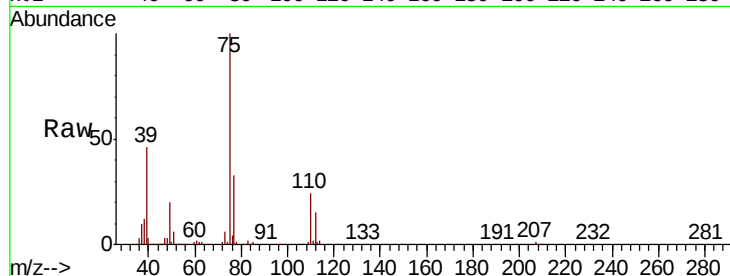
ClientSampled :

Tot Ion: 75 Resp: 389039

Ion Ratio Lower Upper

75 100

77 32.6 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

250000

200000

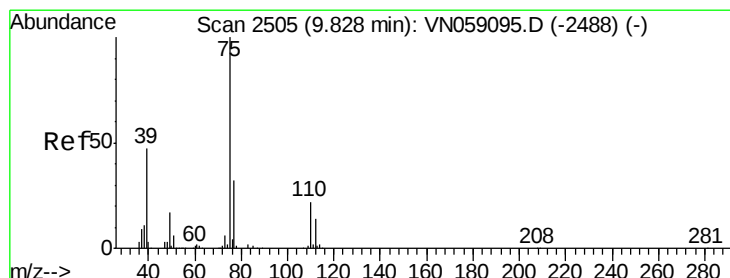
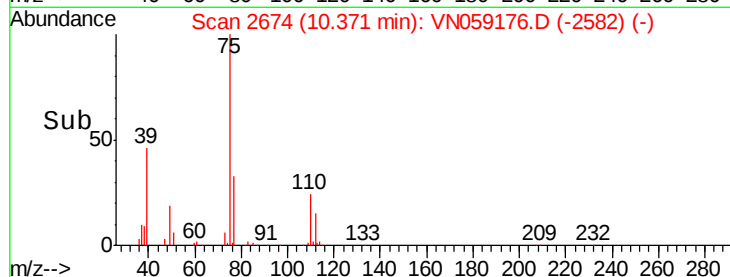
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.871 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

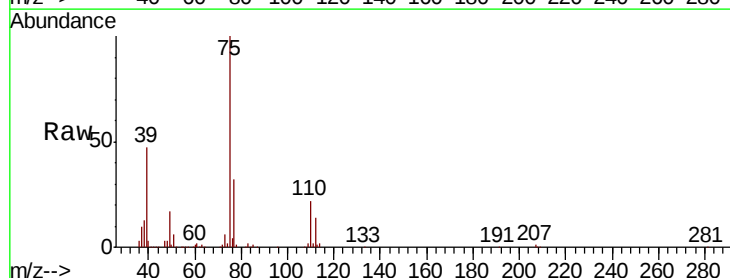
Tgt Ion: 75 Resp: 420701

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

39 47.2 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

300000

250000

200000

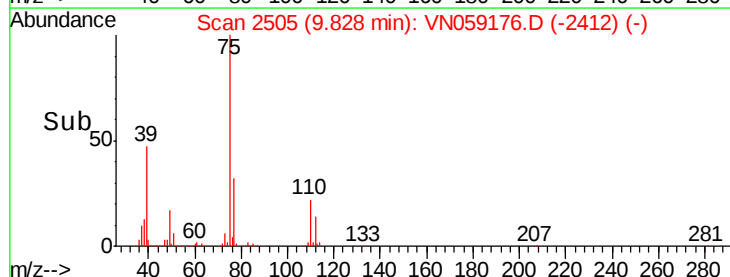
150000

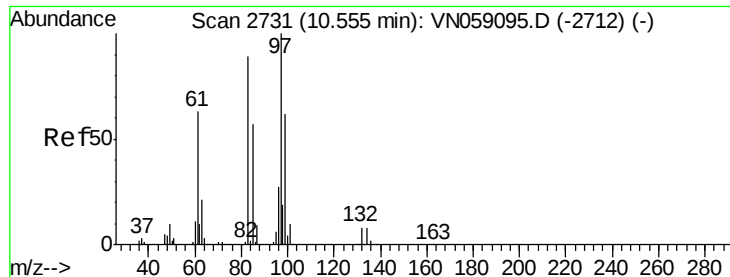
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 50.346 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 240453

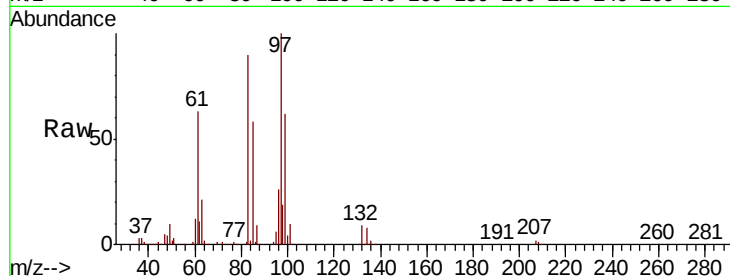
Ion Ratio Lower Upper

97 100

83 90.1 71.0 106.4

85 57.9 45.8 68.8

99 62.1 49.4 74.0

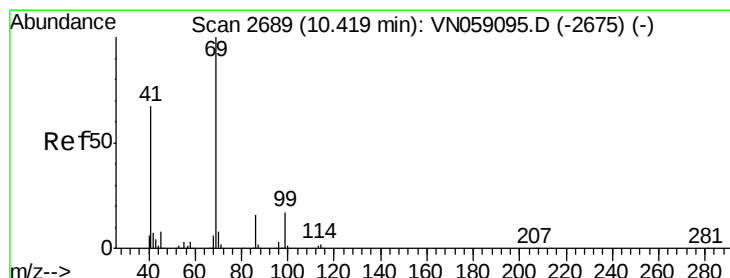
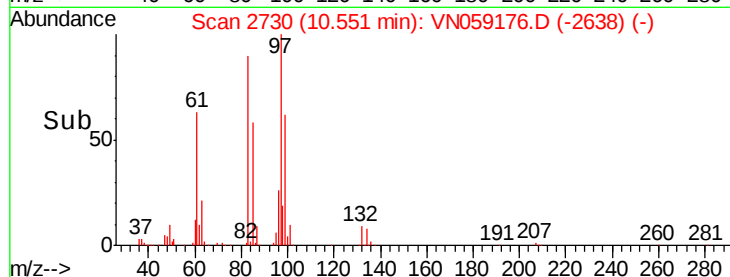
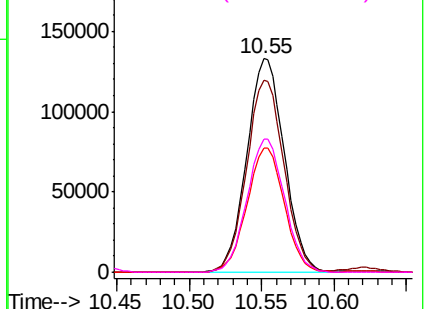


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 47.498 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

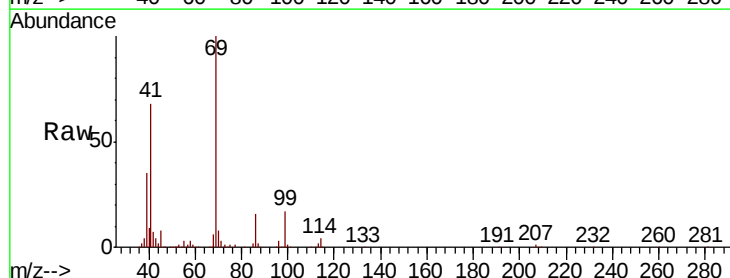
Tgt Ion: 69 Resp: 377583

Ion Ratio Lower Upper

69 100

41 67.3 53.6 80.4

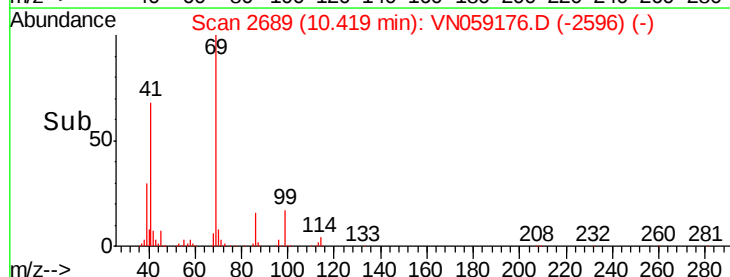
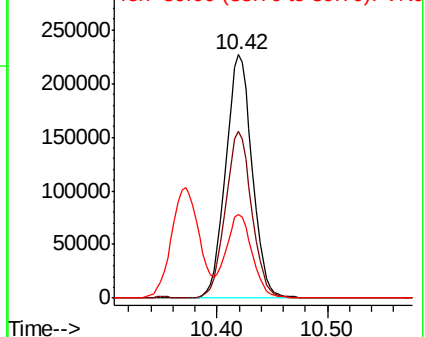
39 34.0 26.2 39.4

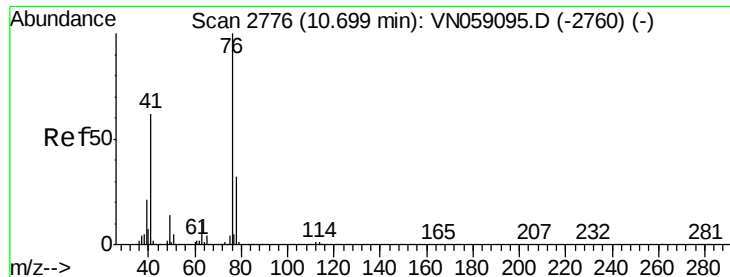


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.275 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

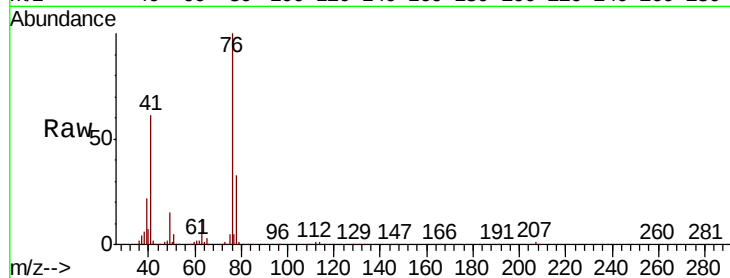
ClientSampleId :

Tot Ion: 76 Resp: 421481

Ion Ratio Lower Upper

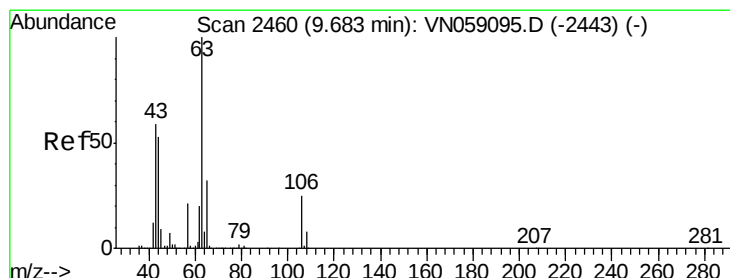
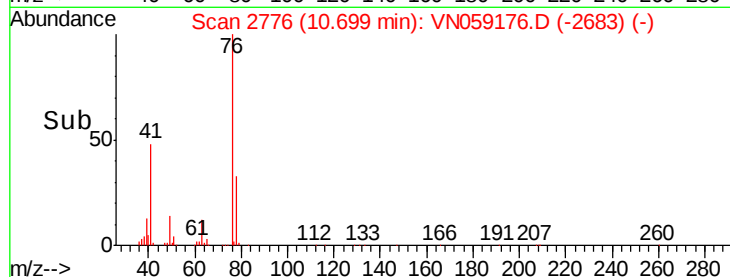
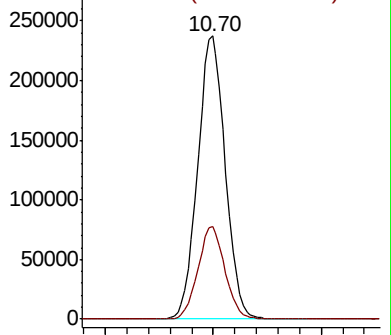
76 100

78 32.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 249.025 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059176.D

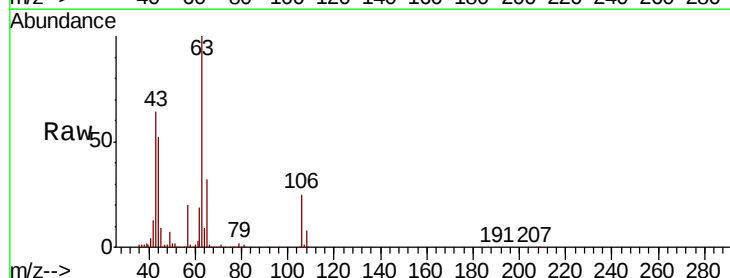
Acq: 12 Nov 2019 9:24

Tgt Ion: 63 Resp: 661900

Ion Ratio Lower Upper

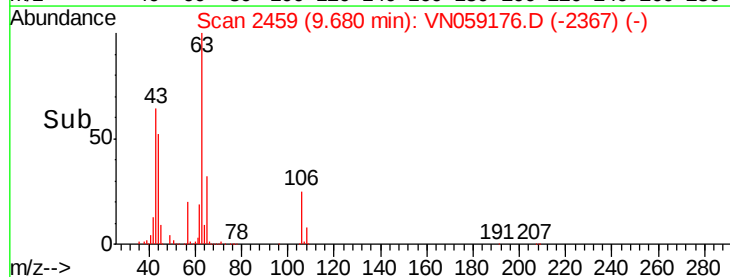
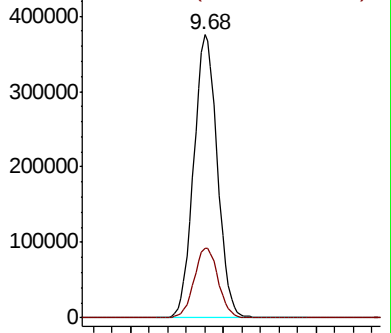
63 100

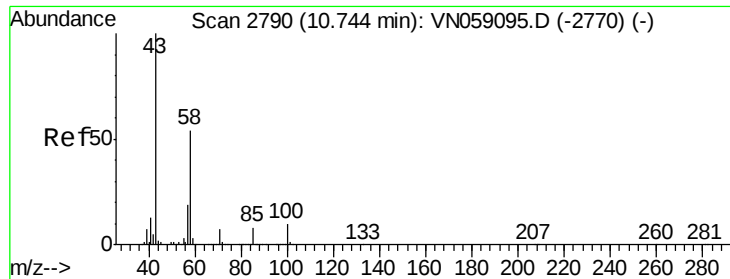
106 25.2 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

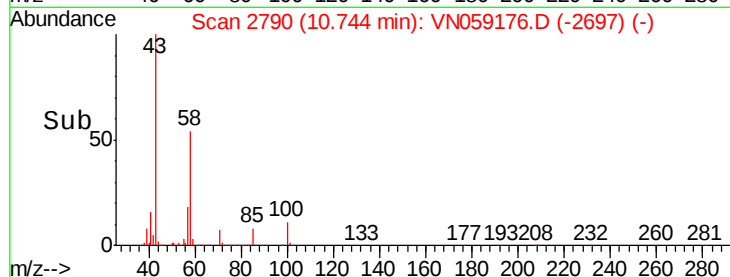
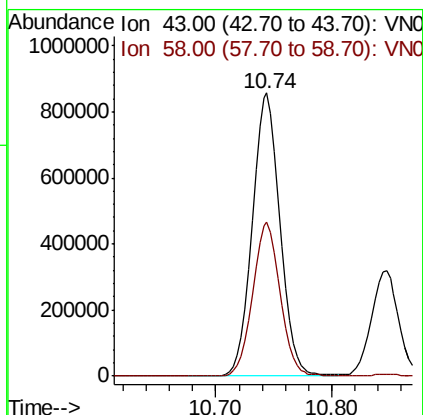
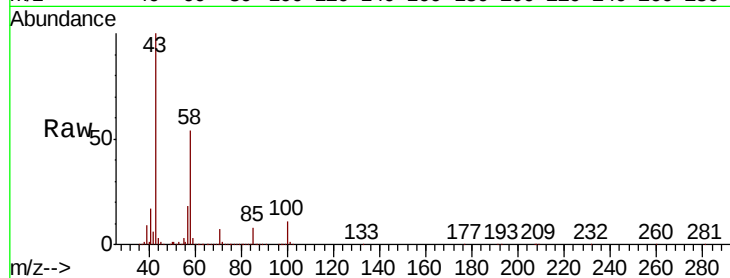




#59
2-Hexanone
Concen: 283.896 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

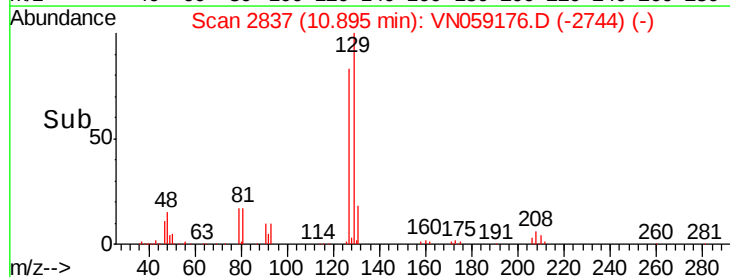
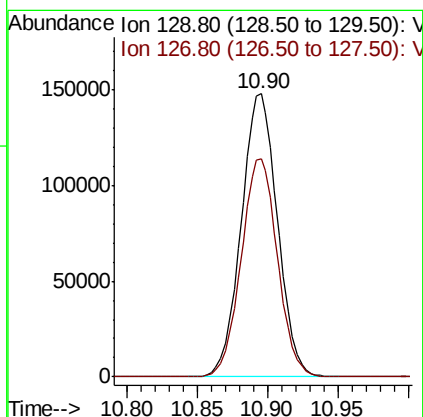
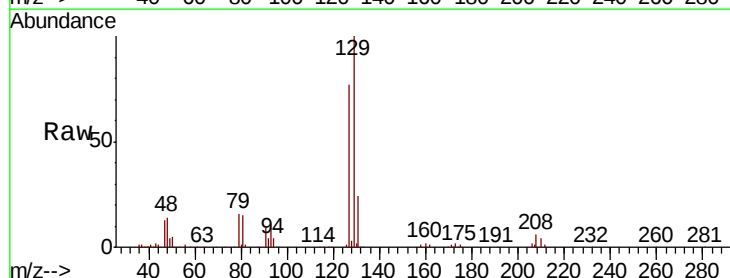
Instrument :
MSVOA_N
ClientSampled :

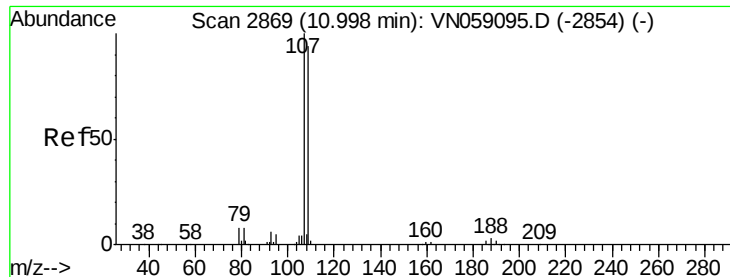
Tot Ion: 43 Resp: 1429734
Ion Ratio Lower Upper
43 100
58 54.1 27.3 81.8



#60
Dibromochloromethane
Concen: 52.593 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion: 129 Resp: 265576
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

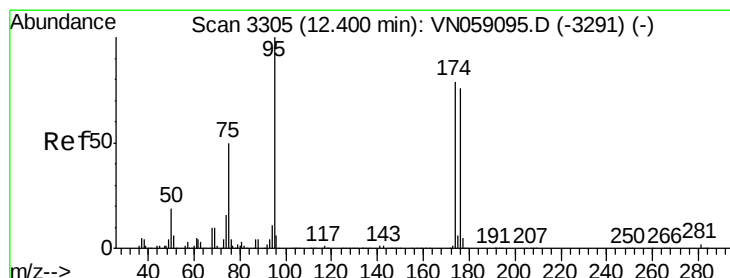
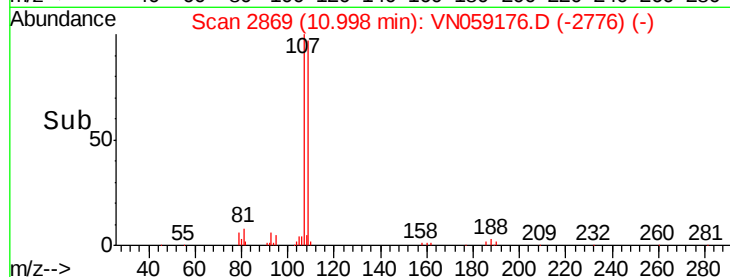
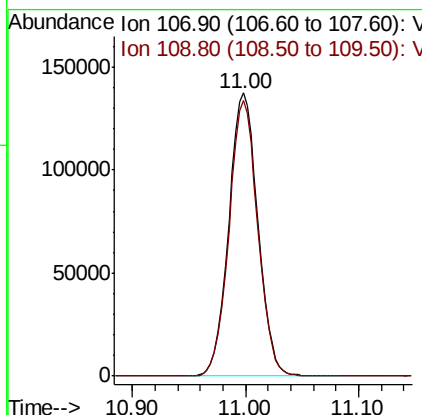
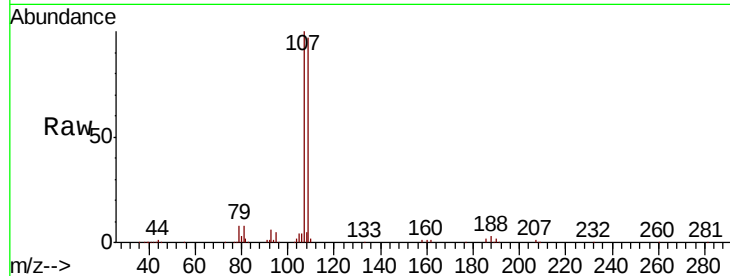




#61
 1,2-Dibromoethane
 Concen: 50.799 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

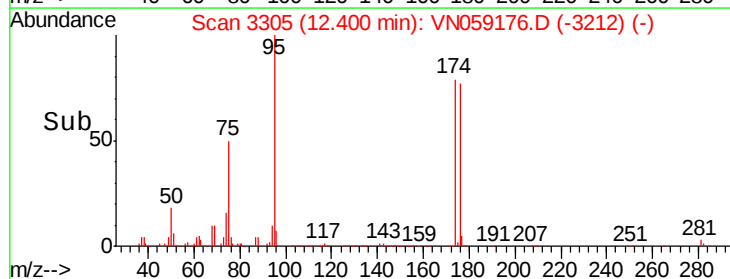
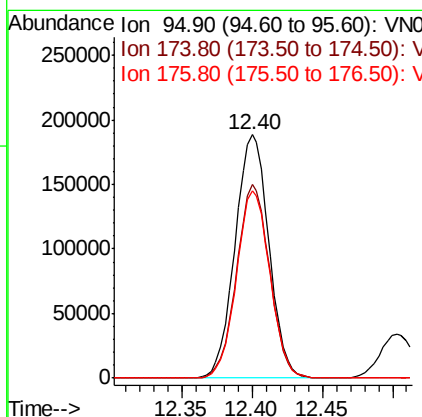
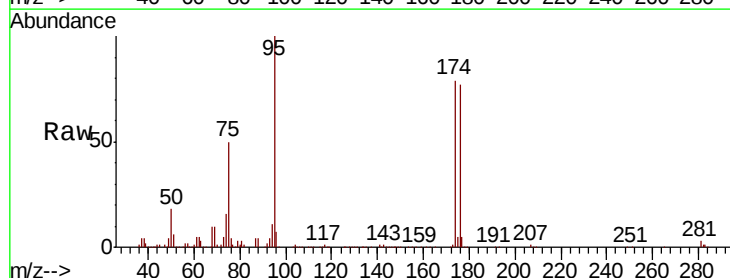
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 245603
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 53.436 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

Tgt Ion: 95 Resp: 316974
 Ion Ratio Lower Upper
 95 100
 174 78.0 0.0 158.2
 176 76.0 0.0 151.8

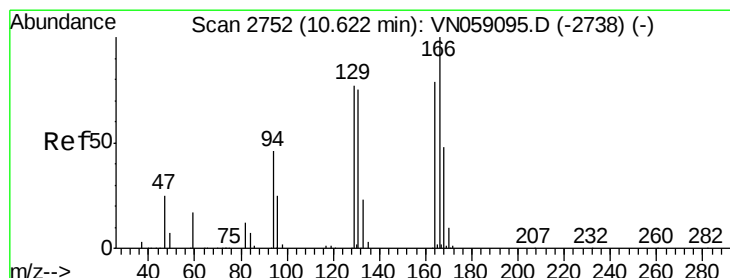
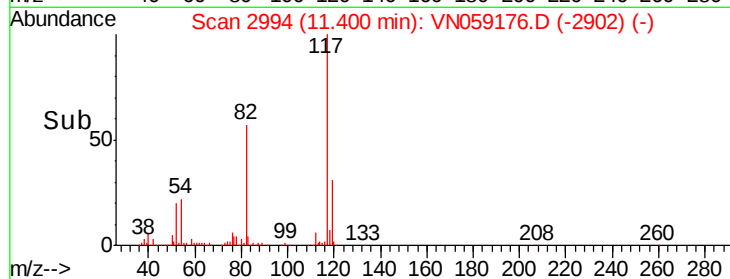
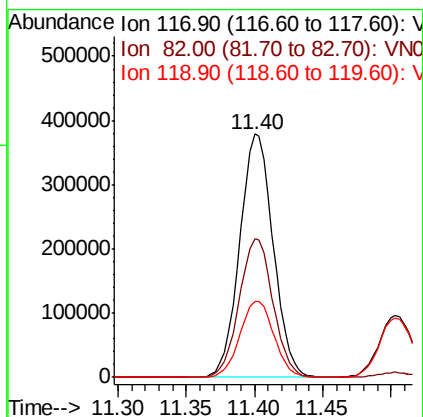
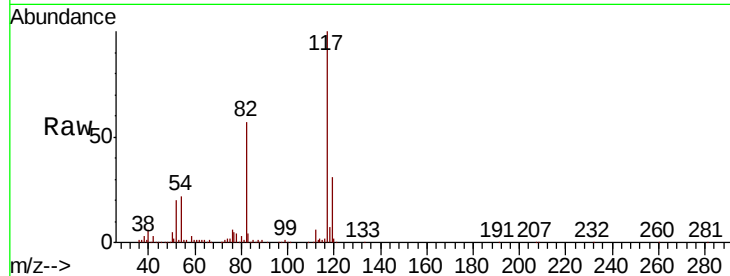




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

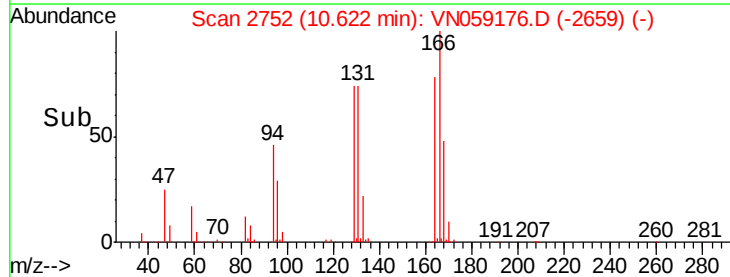
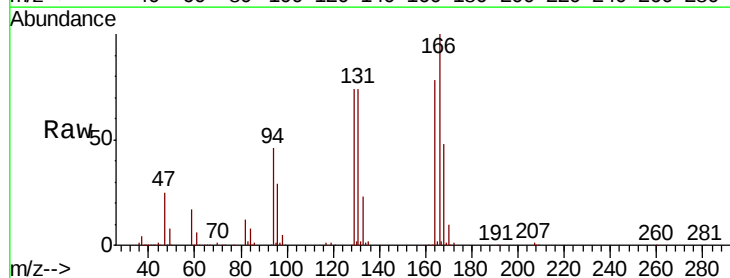
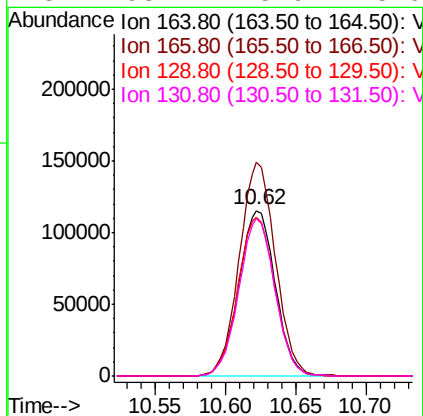
Instrument :
MSVOA_N
ClientSampleId :

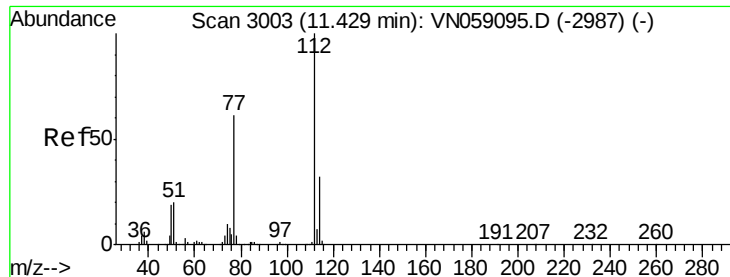
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.8	68.8
119	31.2	25.8	38.6



#64
Tetrachloroethene
Concen: 47.750 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.5	152.3
129	96.1	78.3	117.5
131	95.1	75.9	113.9





#65

Chlorobenzene

Concen: 49.939 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

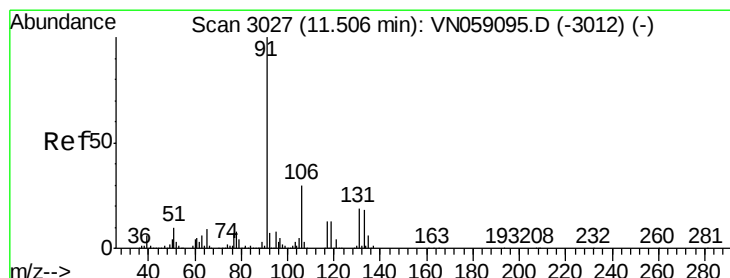
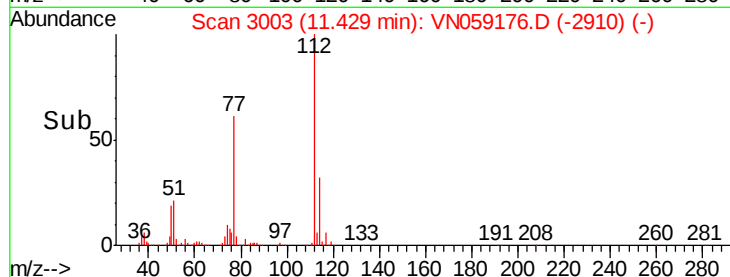
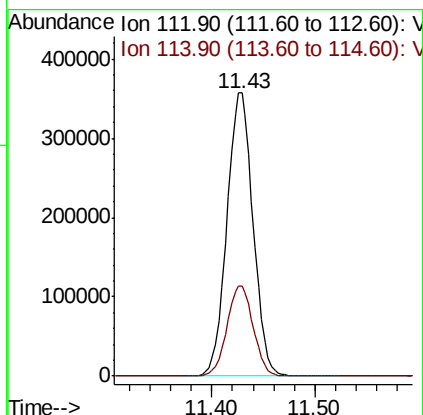
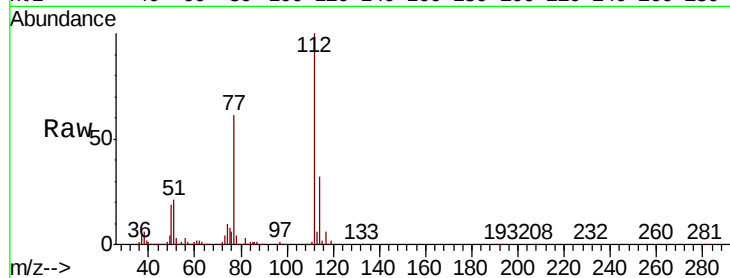
ClientSampleId :

Tot Ion:112 Resp: 628986

Ion Ratio Lower Upper

112 100

114 31.7 25.2 37.8



#66

1,1,1,2-Tetrachloroethane

Concen: 50.653 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

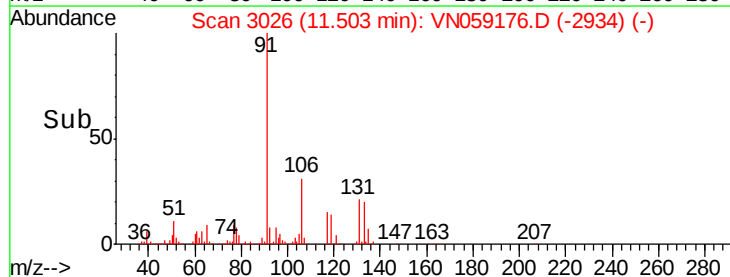
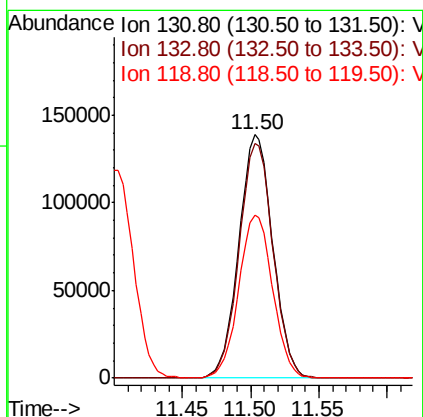
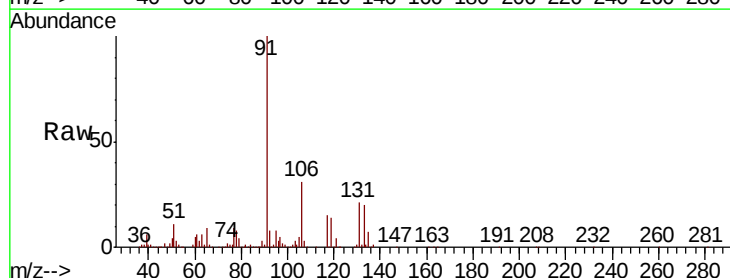
Tgt Ion:131 Resp: 239317

Ion Ratio Lower Upper

131 100

133 96.9 47.4 142.3

119 67.0 33.2 99.6

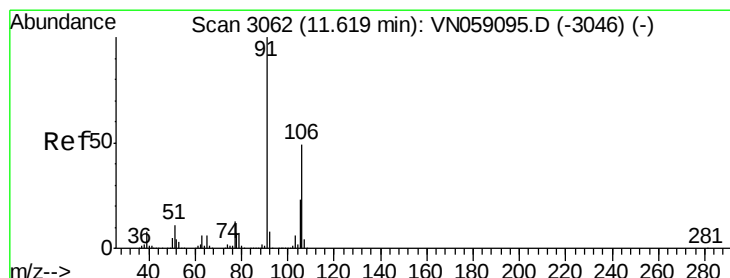
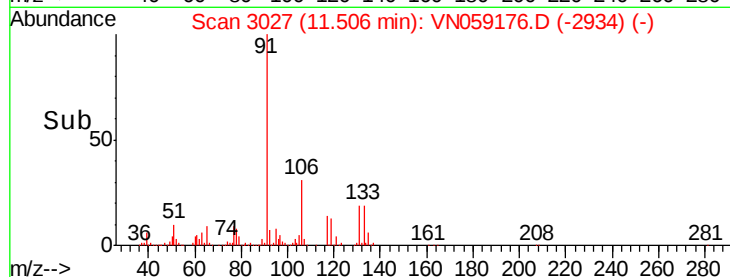
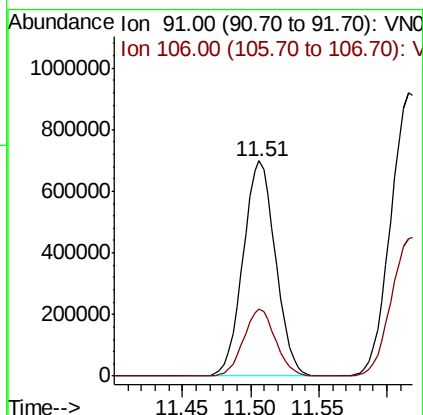
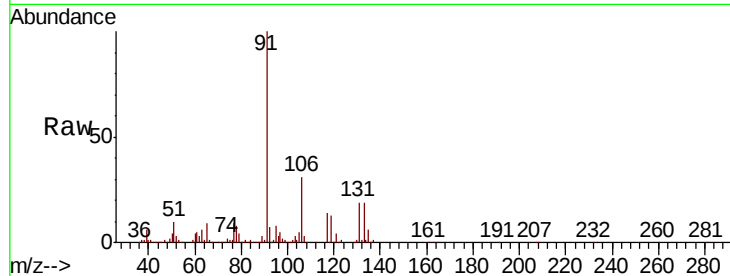




#67
Ethyl Benzene
Concen: 51.567 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

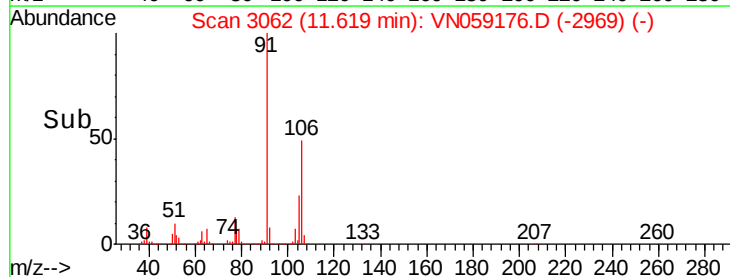
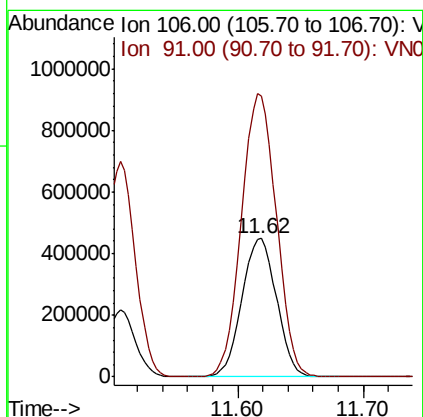
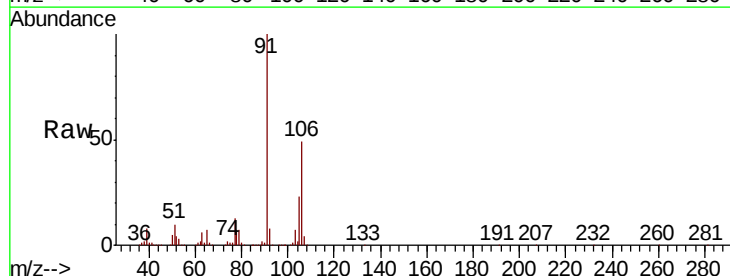
Instrument :
MSVOA_N
ClientSampled :

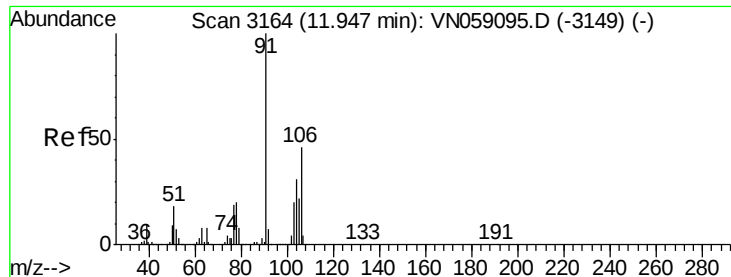
Tot Ion: 91 Resp: 1152346
Ion Ratio Lower Upper
91 100
106 30.9 24.1 36.1



#68
m/p-Xylenes
Concen: 102.653 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion: 106 Resp: 859277
Ion Ratio Lower Upper
106 100
91 206.4 164.7 247.1





#69

o-Xylene

Concen: 50.982 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

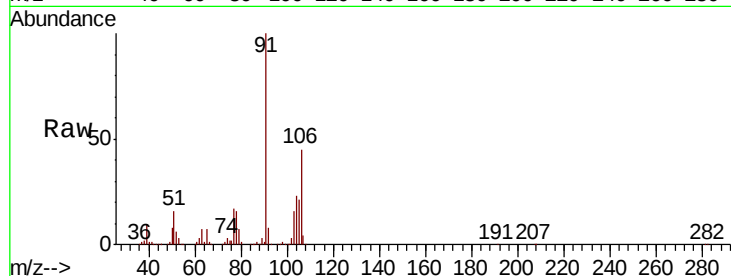
ClientSampled :

Tot Ion:106 Resp: 412418

Ion Ratio Lower Upper

106 100

91 217.5 110.1 330.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

500000

400000

300000

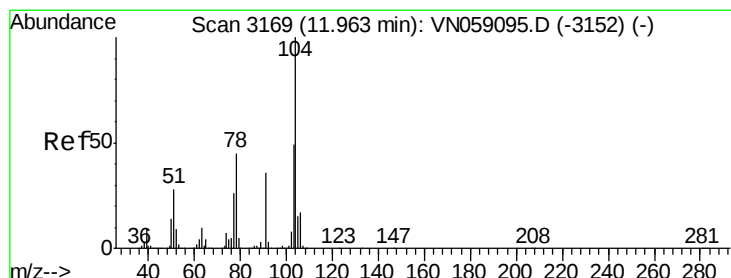
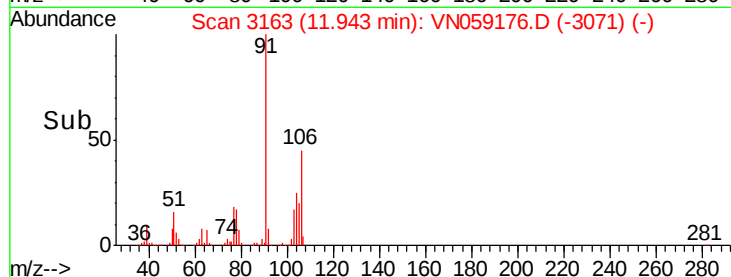
200000

100000

0

11.94

Time-->



#70

Styrene

Concen: 53.962 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

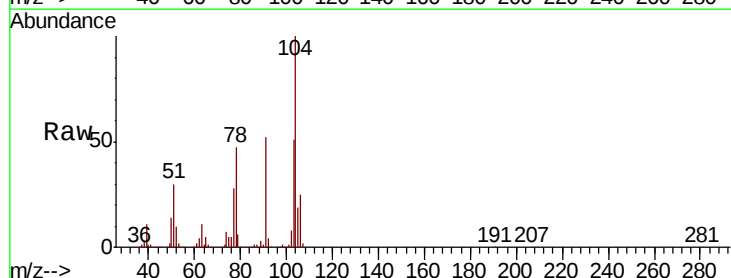
Tgt Ion:104 Resp: 686526

Ion Ratio Lower Upper

104 100

78 51.2 41.2 61.8

103 54.9 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

500000

400000

300000

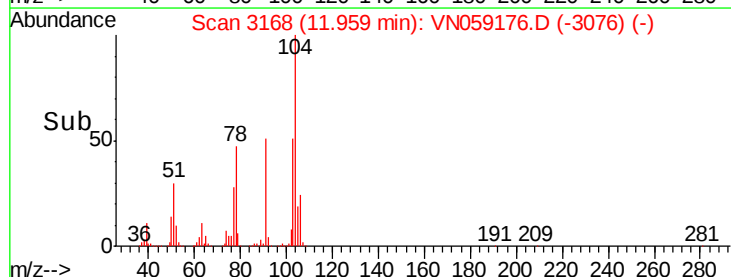
200000

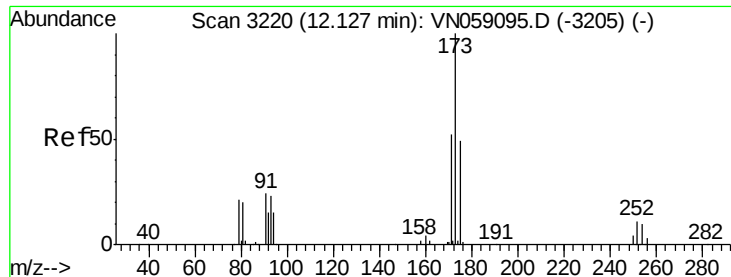
100000

0

11.96

Time-->





#71

Bromoform

Concen: 52.407 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

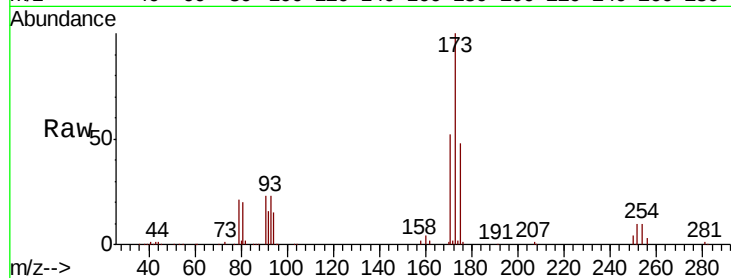
Tot Ion:173 Resp: 192598

Ion Ratio Lower Upper

173 100

175 49.1 24.2 72.6

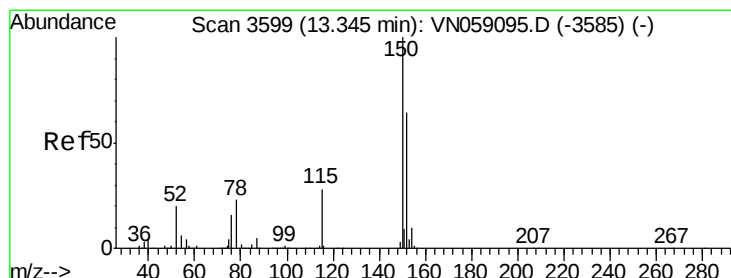
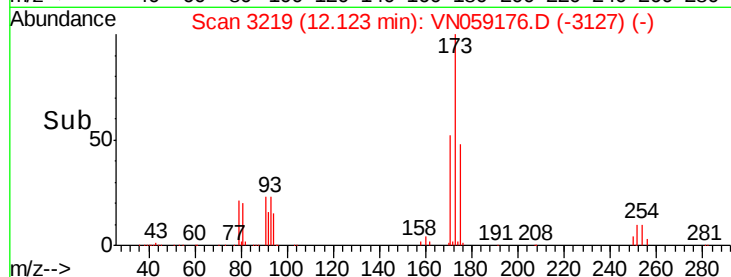
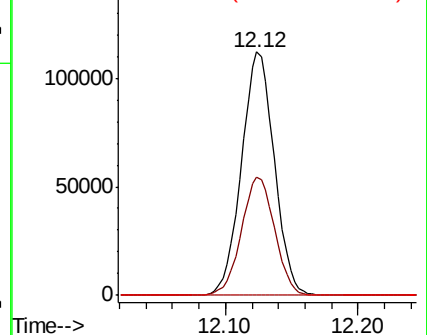
254 0.0 0.1 0.1#



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# 3599

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

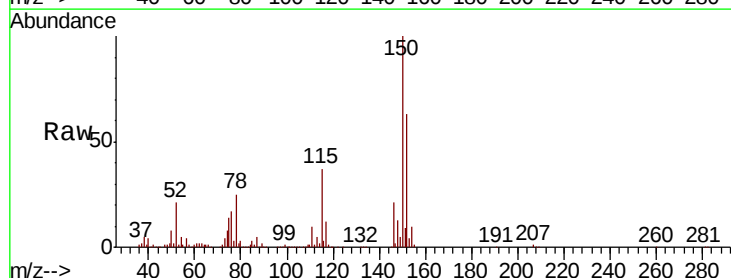
Tgt Ion:152 Resp: 316648

Ion Ratio Lower Upper

152 100

115 58.8 29.4 88.2

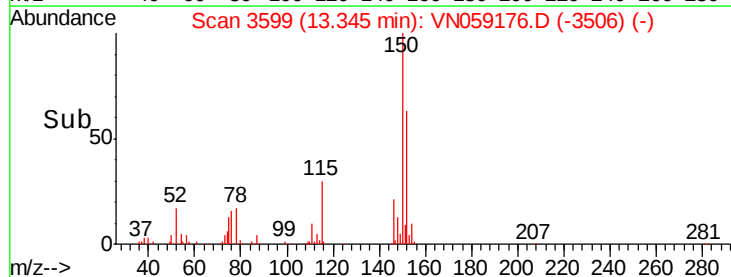
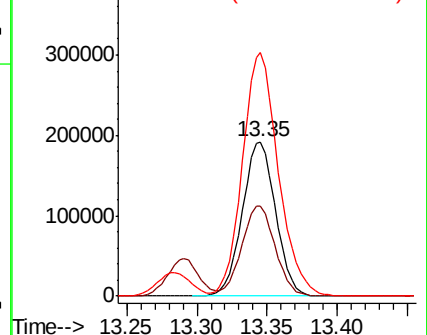
150 170.2 0.0 345.8

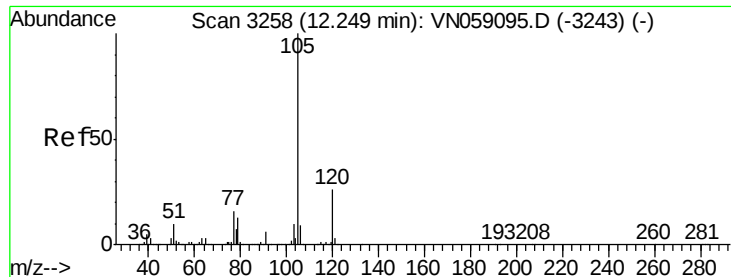


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.515 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

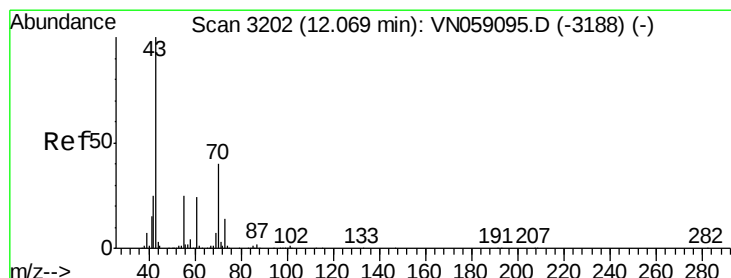
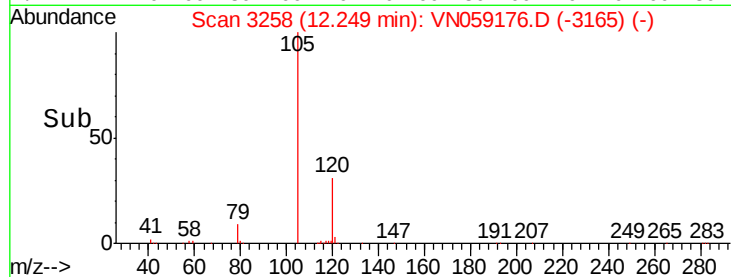
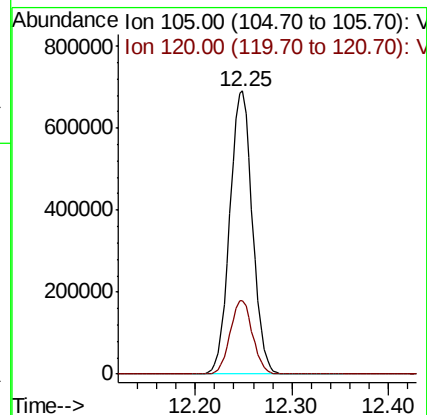
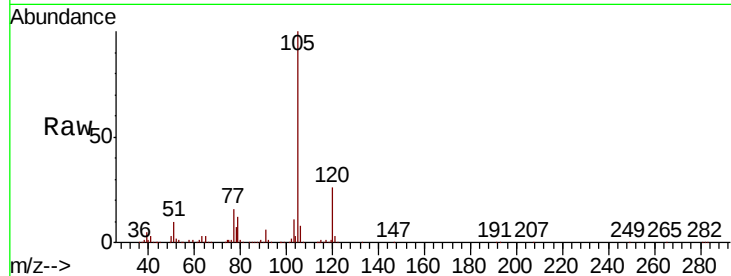
ClientSampled :

Tot Ion:105 Resp: 1117447

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3



#74

N-ethyl acetate

Concen: 50.754 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Tgt Ion: 43 Resp: 495359

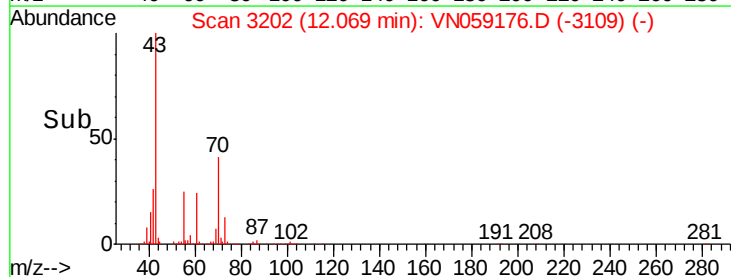
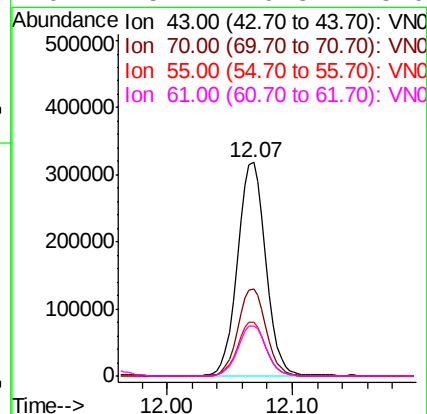
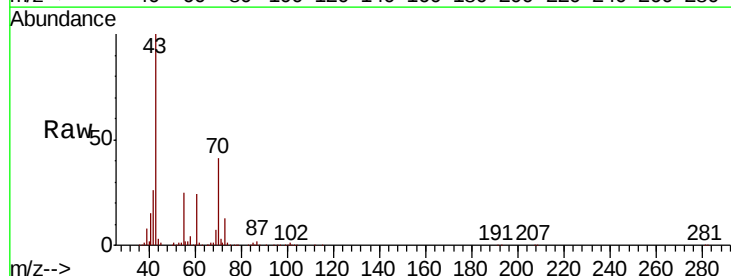
Ion Ratio Lower Upper

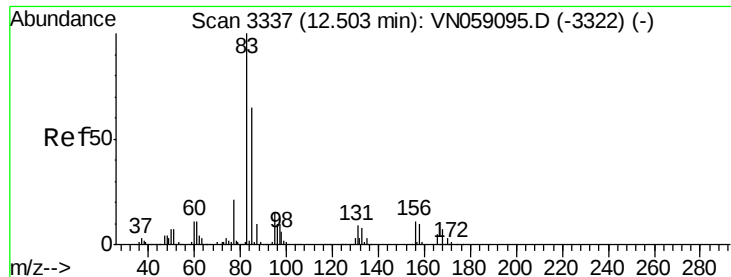
43 100

70 40.9 32.2 48.4

55 25.4 20.4 30.6

61 23.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.161 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

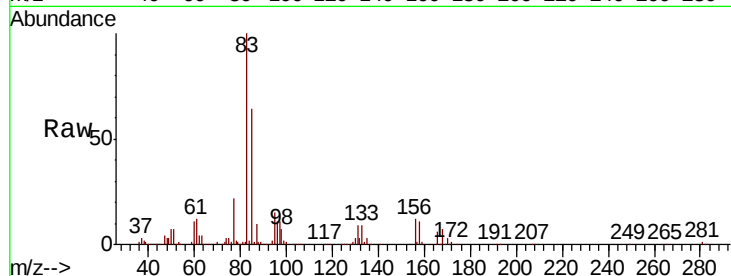
Tot Ion: 83 Resp: 377766

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.6

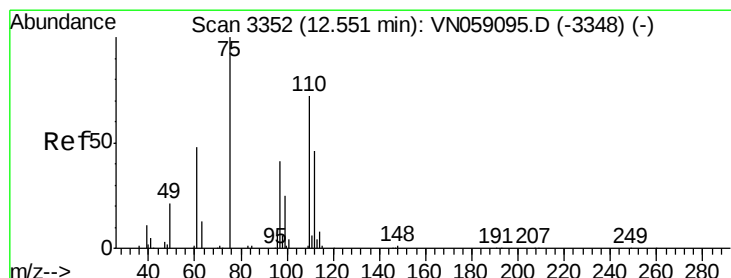
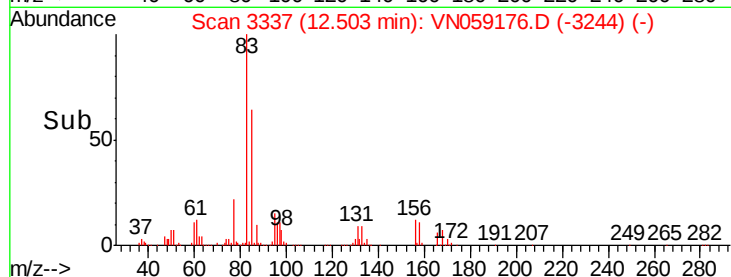
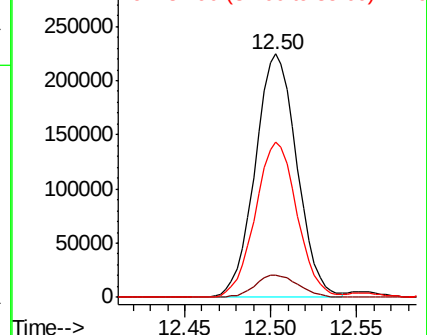
85 63.9 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 69.341 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059176.D

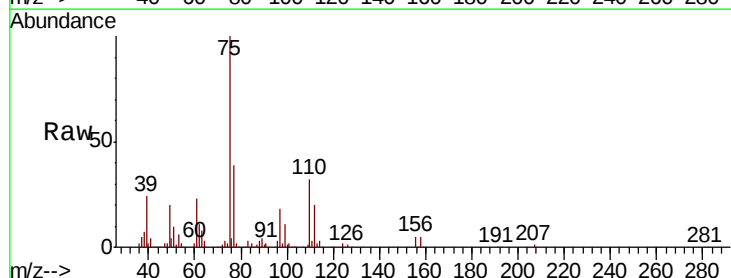
Acq: 12 Nov 2019 9:24

Tgt Ion: 75 Resp: 499882

Ion Ratio Lower Upper

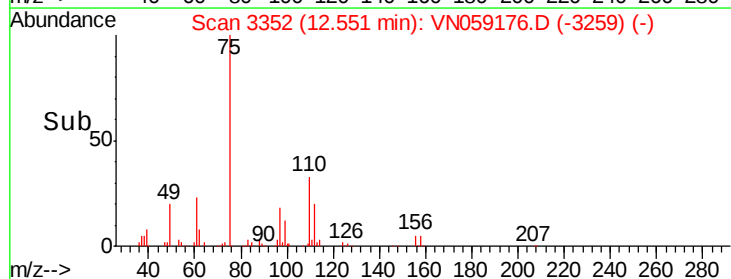
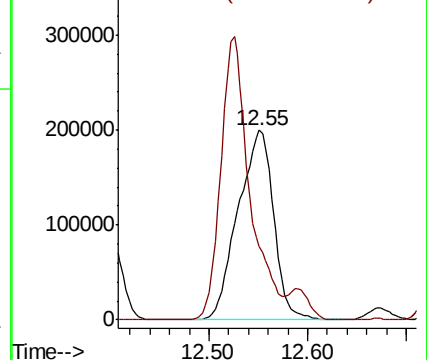
75 100

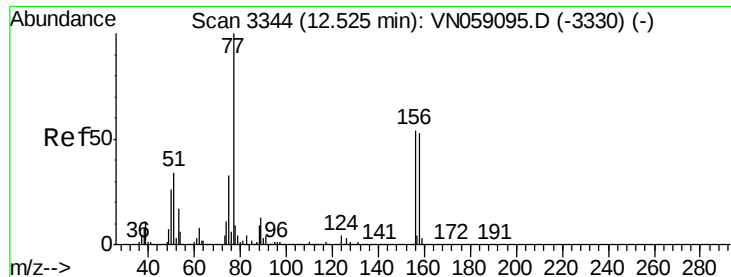
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 46.914 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

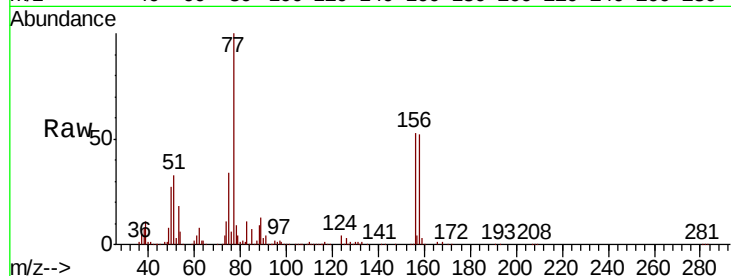
Tot Ion:156 Resp: 271484

Ion Ratio Lower Upper

156 100

77 226.7 112.8 338.3

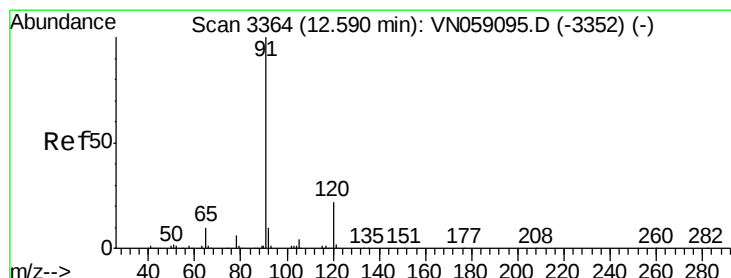
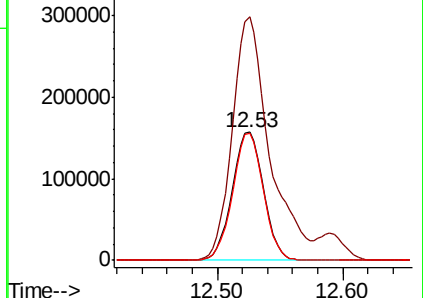
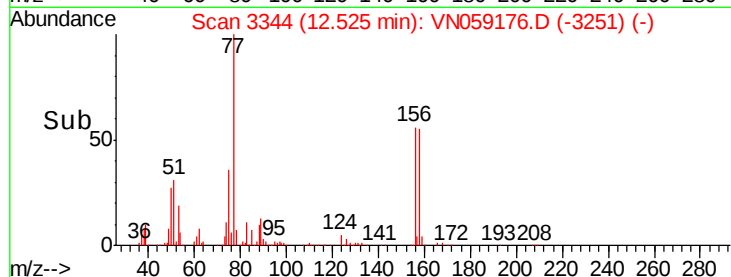
158 97.2 48.4 145.3



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: 50.366 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059176.D

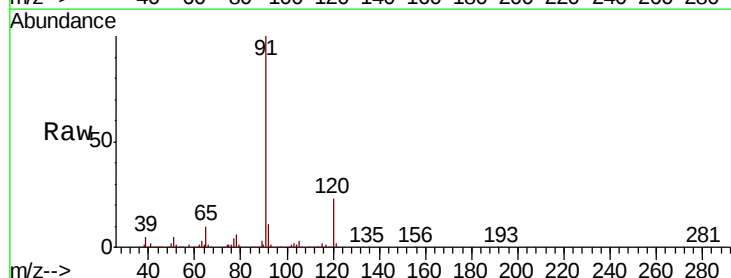
Acq: 12 Nov 2019 9:24

Tgt Ion: 91 Resp: 1328306

Ion Ratio Lower Upper

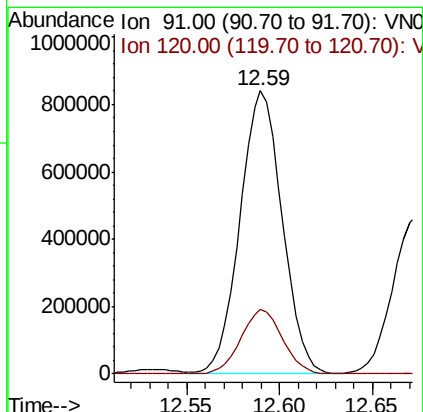
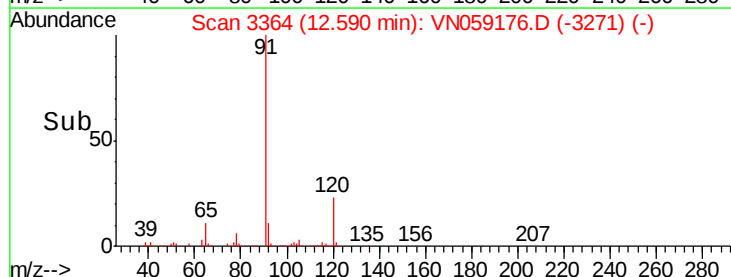
91 100

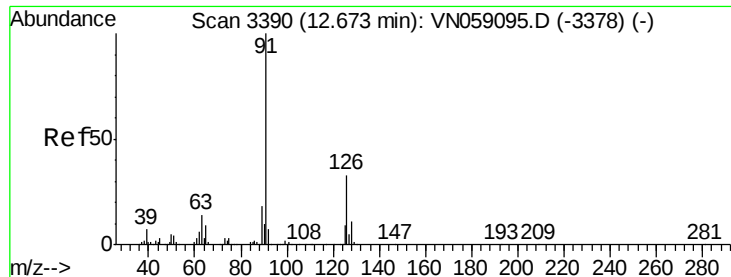
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.117 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

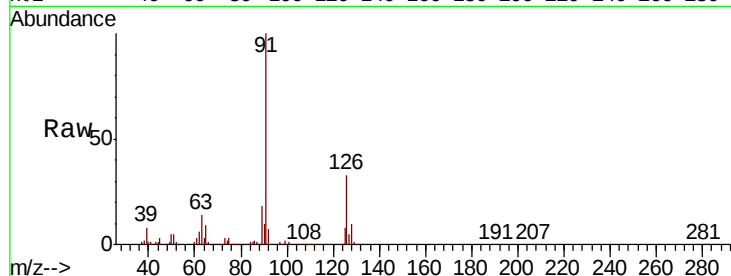
ClientSampled :

Tot Ion: 91 Resp: 787222

Ion Ratio Lower Upper

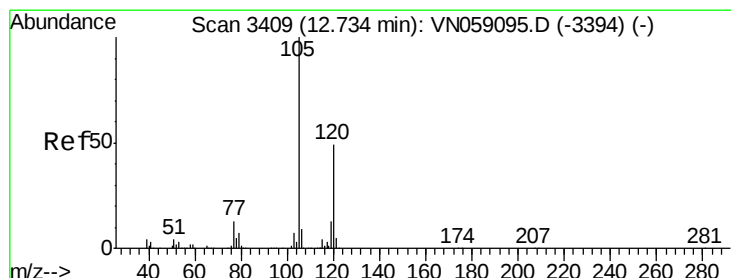
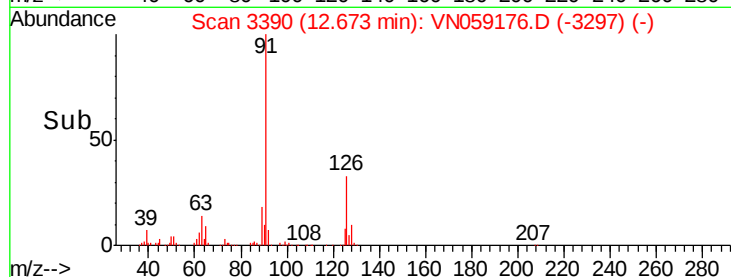
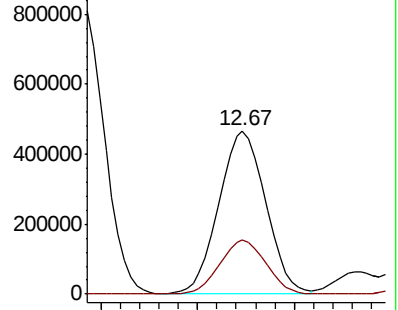
91 100

126 32.7 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059095.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.182 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059176.D

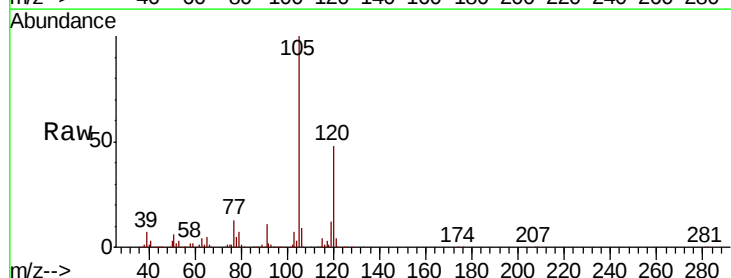
Acq: 12 Nov 2019 9:24

Tgt Ion: 105 Resp: 959894

Ion Ratio Lower Upper

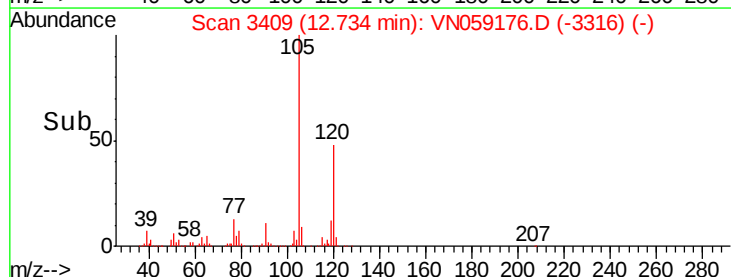
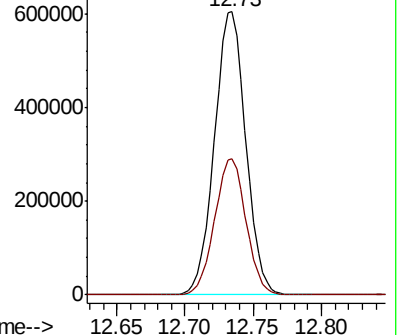
105 100

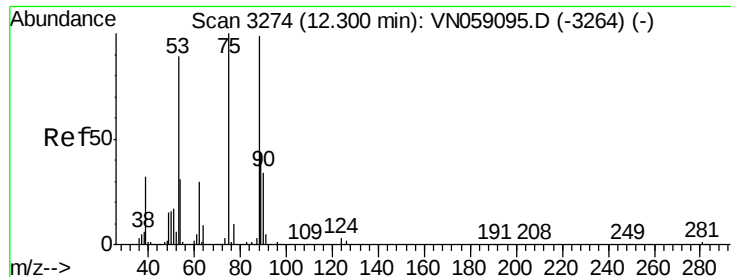
120 48.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059095.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059095.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.139 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

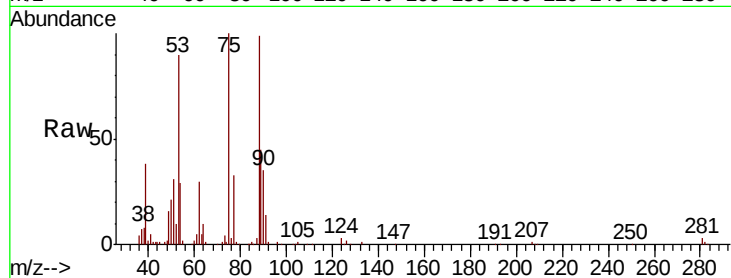
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 134117

Ion	Ratio	Lower	Upper
75	100		
53	90.5	72.2	108.2
89	44.5	35.8	53.8

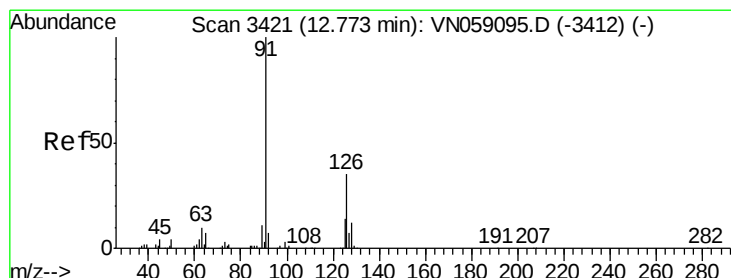
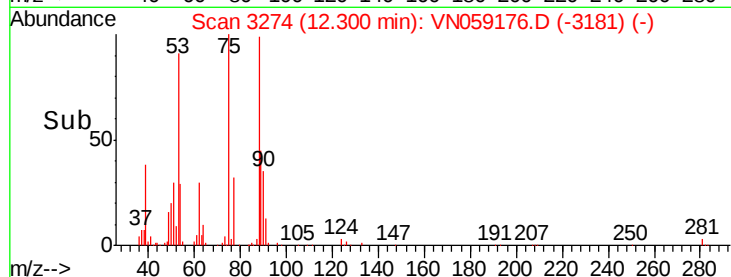
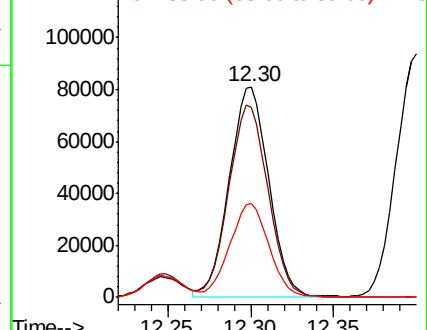


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.151 ug/l

RT: 12.77 min Scan# 3421

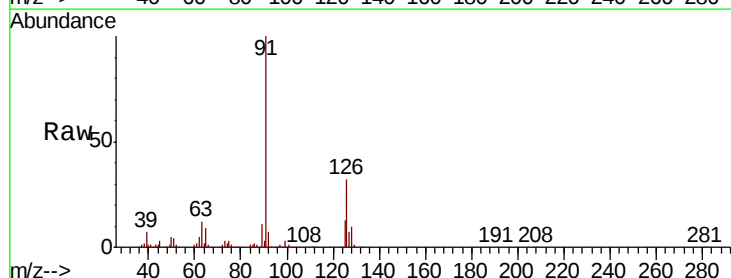
Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Tgt Ion: 91 Resp: 806534

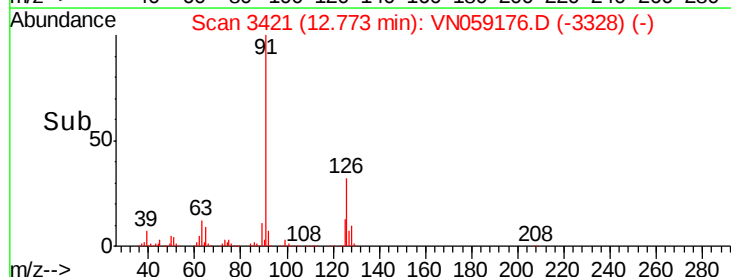
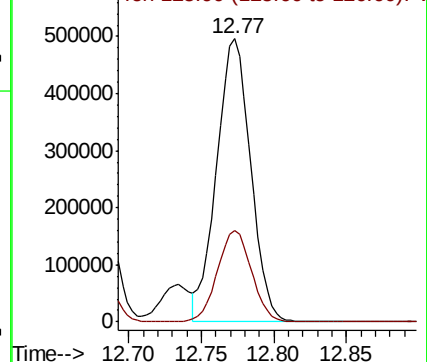
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.2

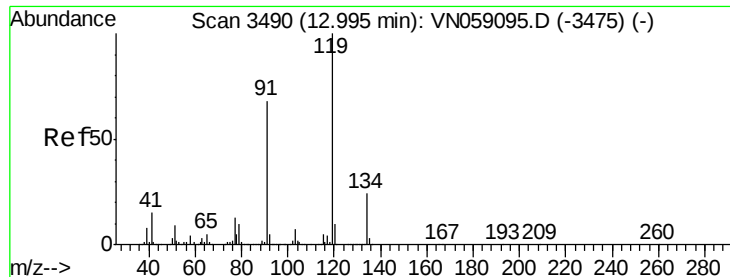


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 48.570 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

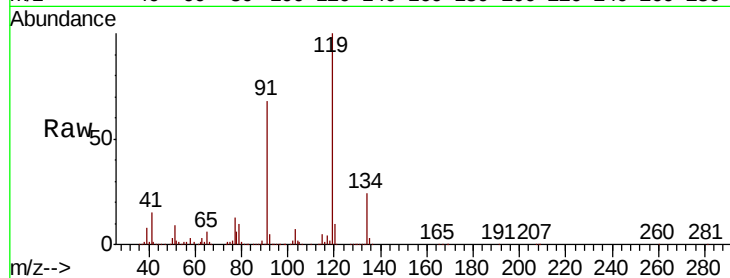
Tot Ion:119 Resp: 818623

Ion Ratio Lower Upper

119 100

91 66.2 33.2 99.6

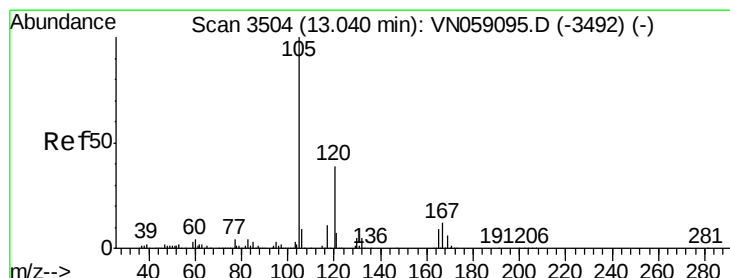
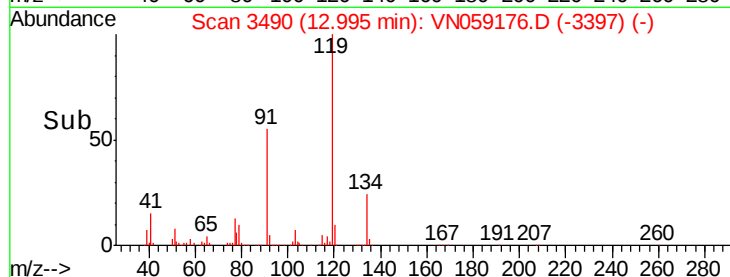
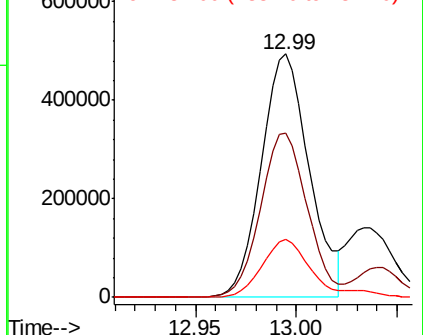
134 23.3 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.457 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059176.D

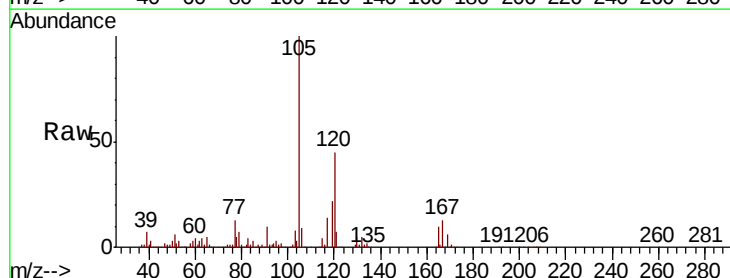
Acq: 12 Nov 2019 9:24

Tgt Ion:105 Resp: 952763

Ion Ratio Lower Upper

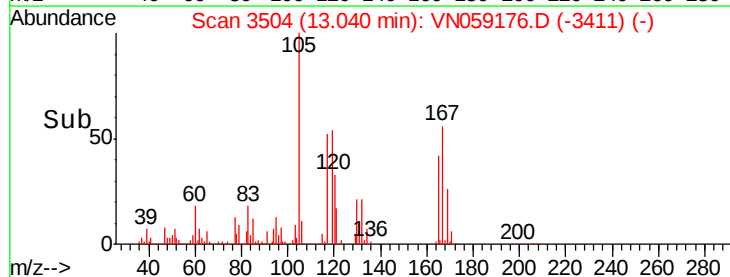
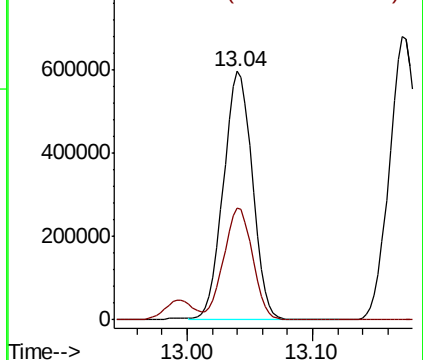
105 100

120 45.3 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.805 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

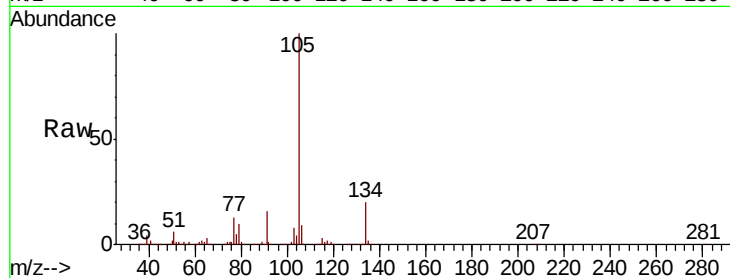
ClientSampleId :

Tot Ion:105 Resp: 1091731

Ion Ratio Lower Upper

105 100

134 19.8 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

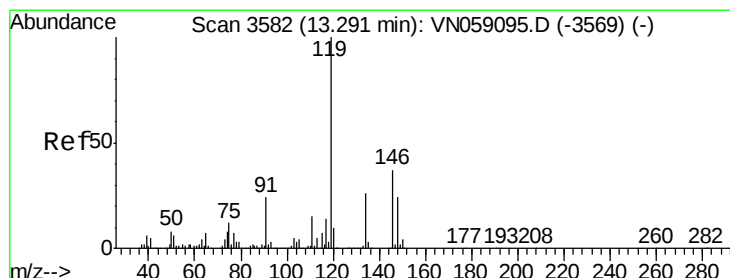
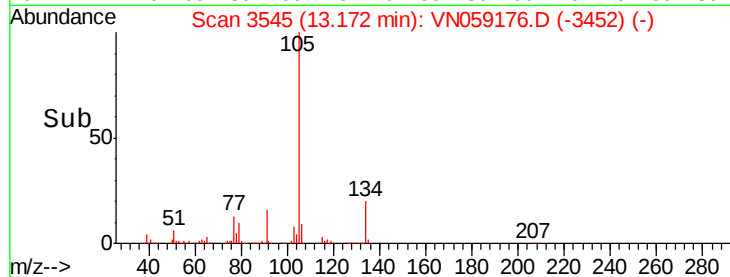
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.629 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

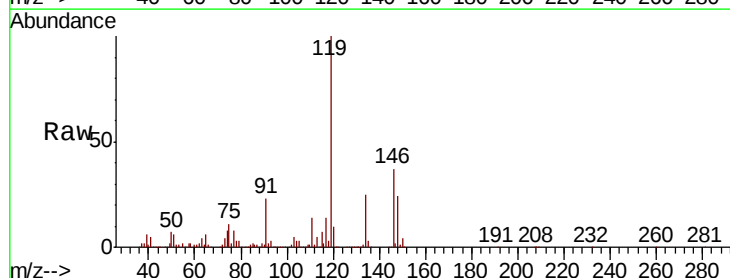
Tgt Ion:119 Resp: 999263

Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 23.4 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

800000

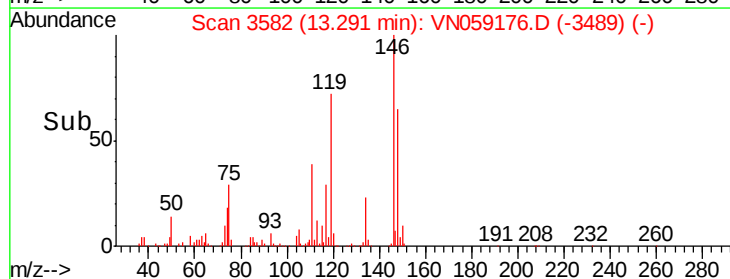
600000

400000

200000

0

Time-->

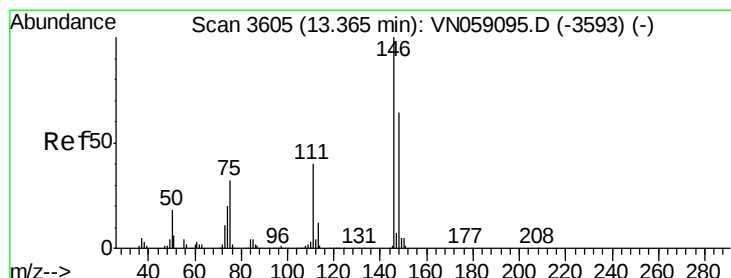
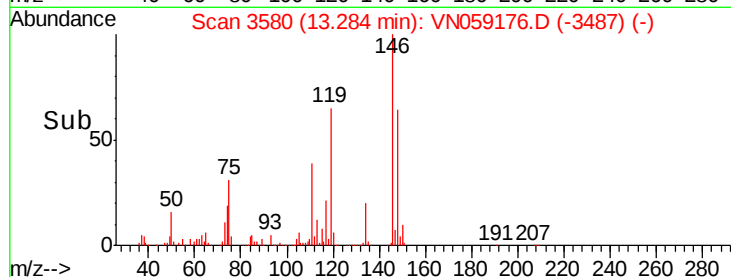
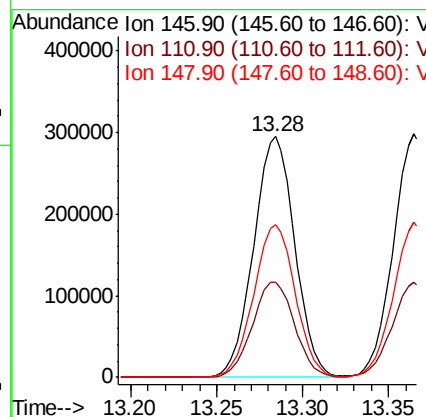
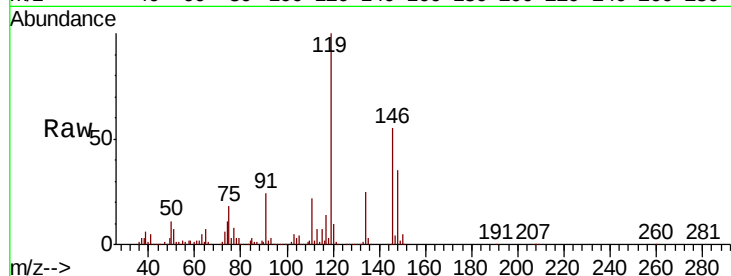




#87
 1,3-Dichlorobenzene
 Concen: 49.354 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

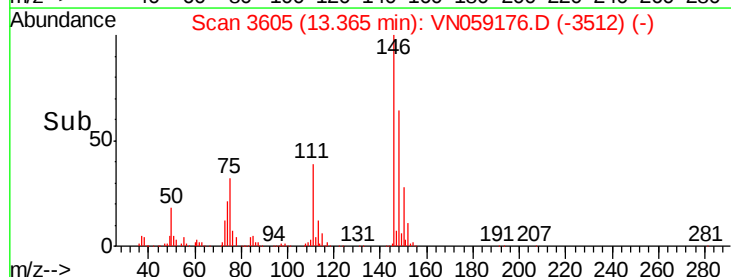
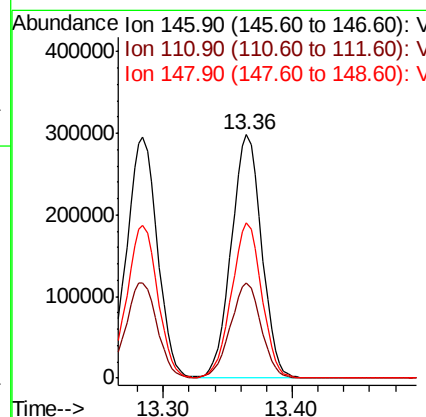
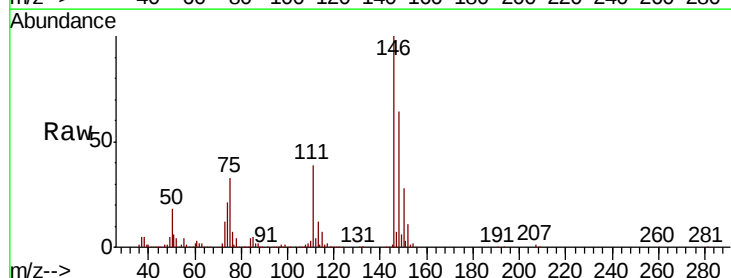
Instrument :
 MSVOA_N
 ClientSampled :

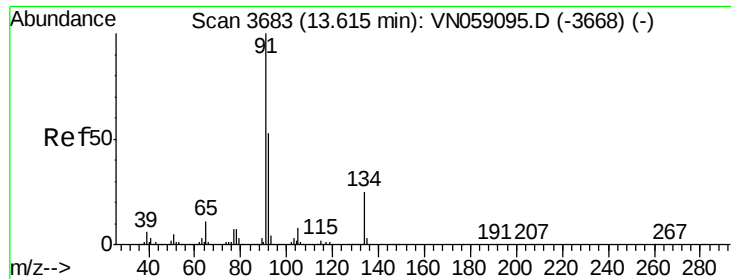
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.3
148	64.0	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 48.963 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.3	60.9
148	63.8	31.9	95.7

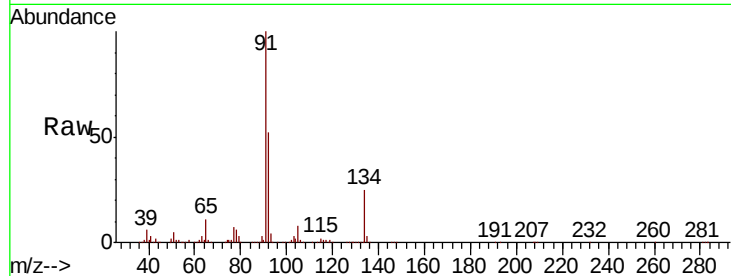




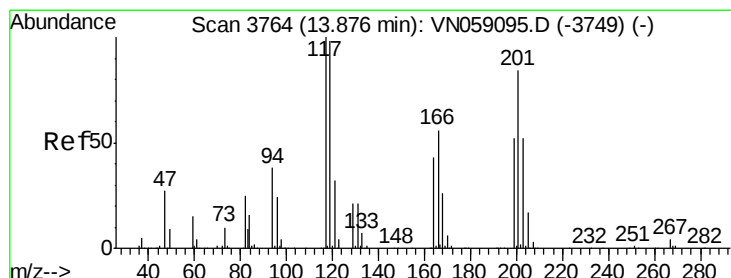
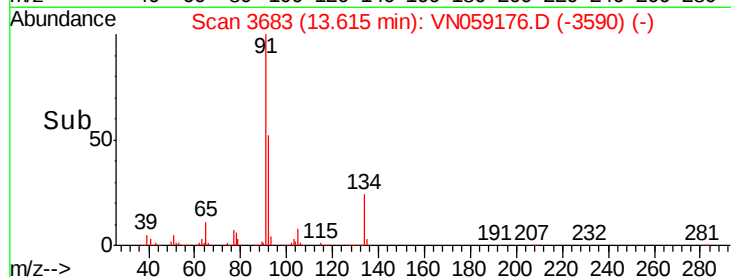
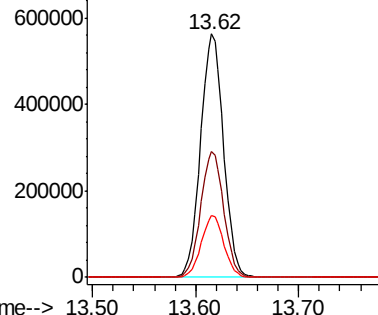
#89
n-Butylbenzene
Concen: 51.432 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 871261
Ion Ratio Lower Upper
91 100
92 51.8 26.1 78.3
134 25.1 12.6 37.8

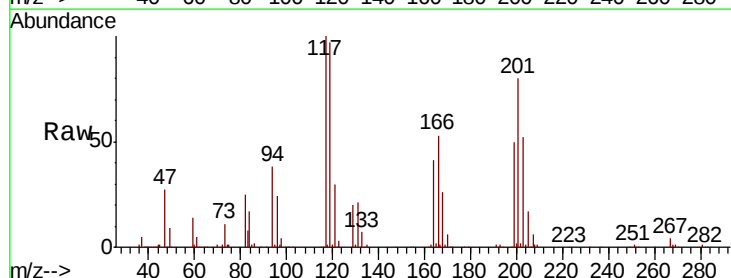


Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN059095.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN059095.D (-3668) (-)

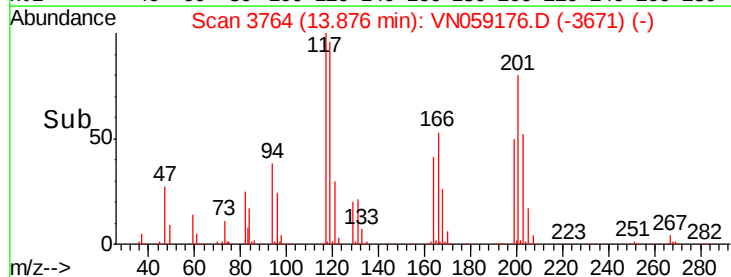
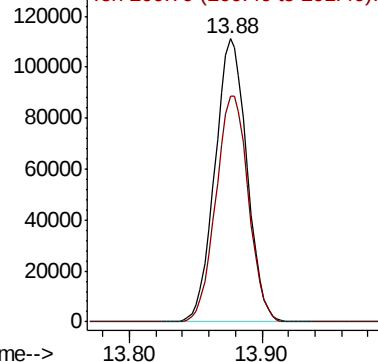


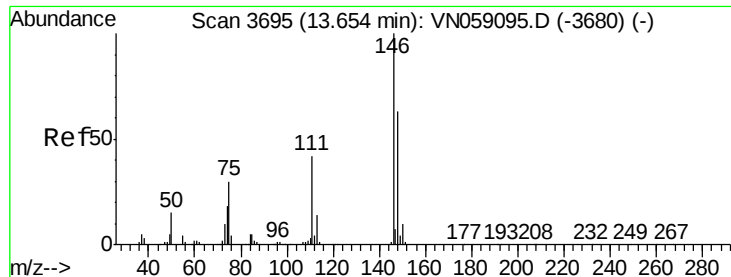
#90
Hexachloroethane
Concen: 47.896 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059176.D
Acq: 12 Nov 2019 9:24

Tgt Ion: 117 Resp: 186146
Ion Ratio Lower Upper
117 100
201 81.3 41.8 125.3



Abundance Ion 116.80 (116.50 to 117.50): VN059095.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN059095.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 49.051 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

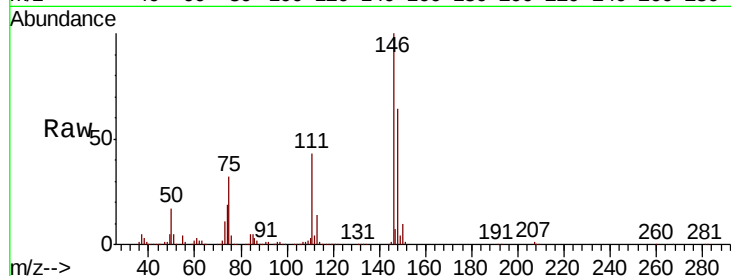
Tot Ion:146 Resp: 478151

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

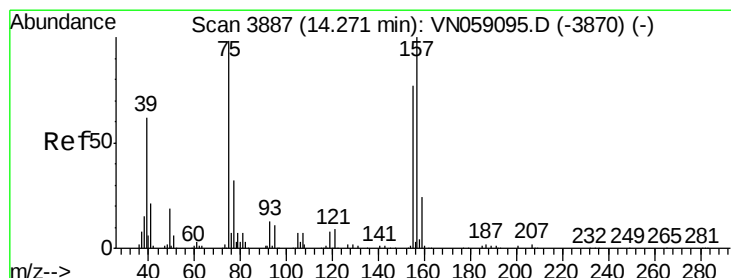
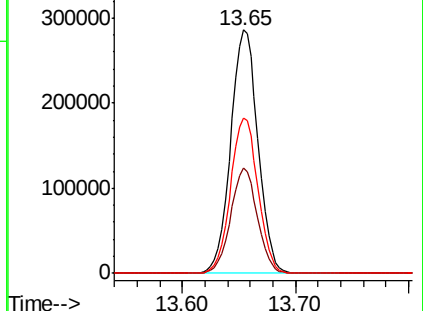
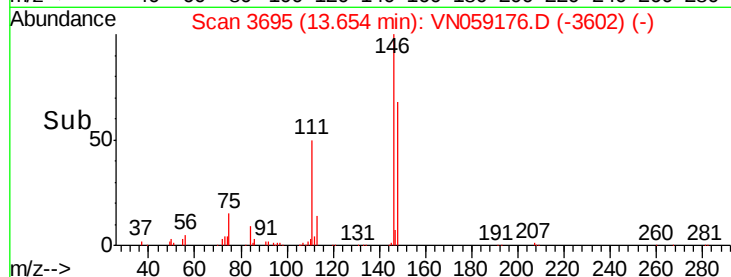
148 64.3 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.327 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

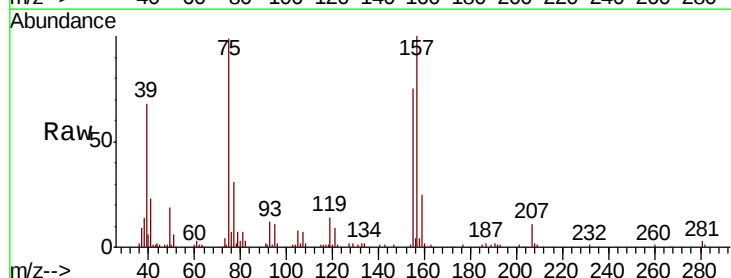
Tgt Ion: 75 Resp: 74061

Ion Ratio Lower Upper

75 100

155 79.6 40.2 120.6

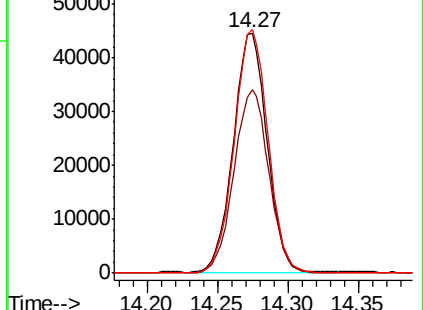
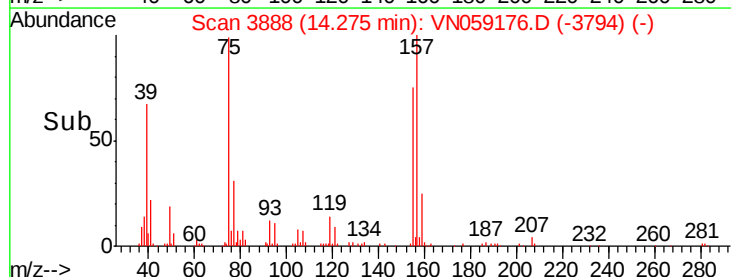
157 102.6 51.8 155.5



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

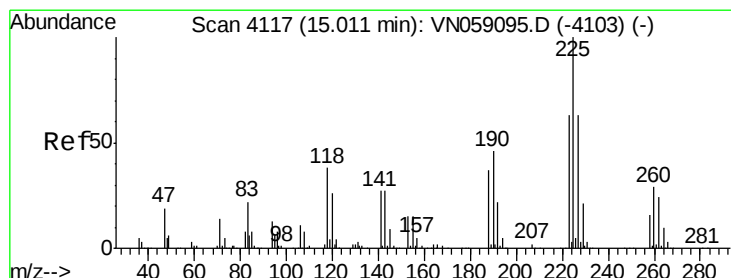
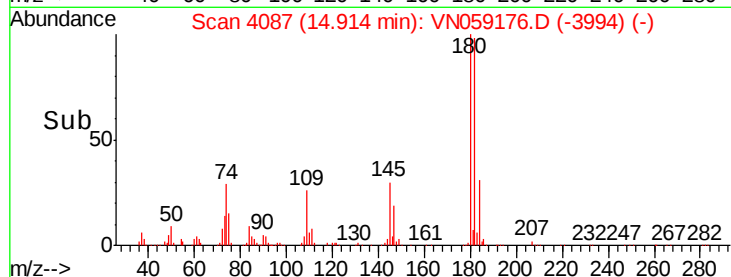
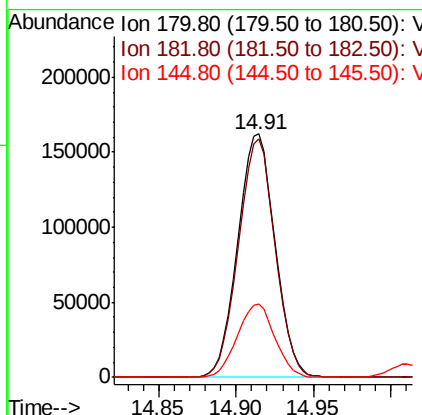
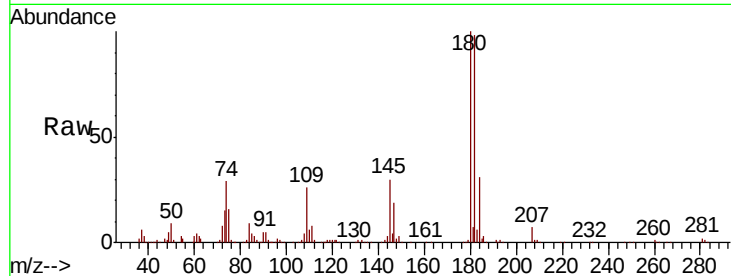




#93
 1,2,4-Trichlorobenzene
 Concen: 46.142 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

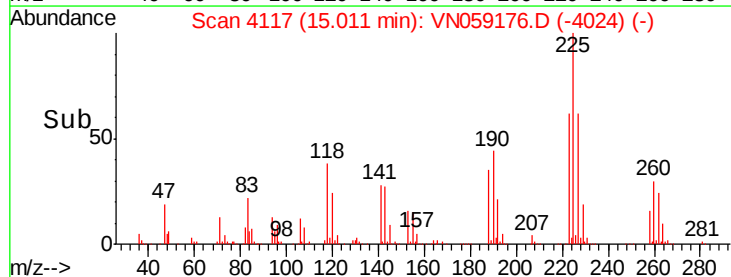
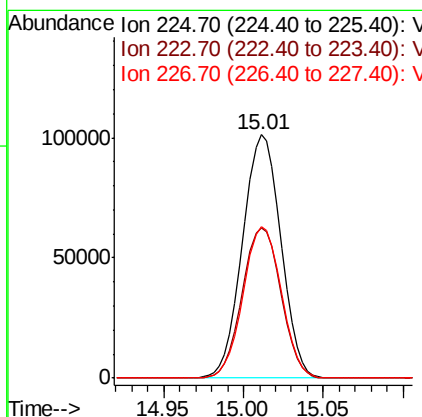
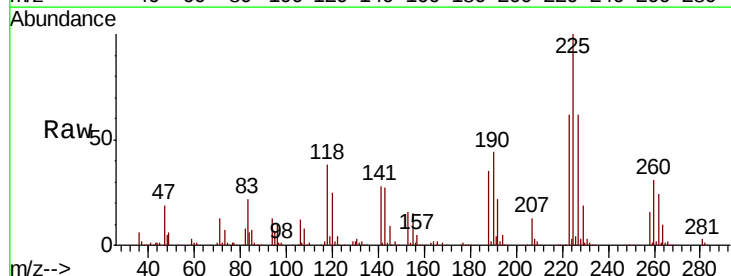
Instrument :
 MSVOA_N
 ClientSampled :

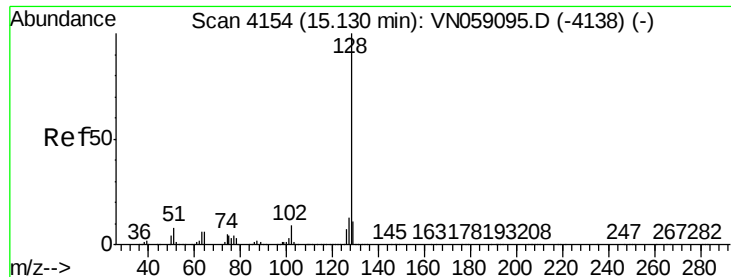
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.1	144.3
145	30.4	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 49.220 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059176.D
 Acq: 12 Nov 2019 9:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.3	93.9
227	62.0	31.5	94.5





#95

Naphthalene

Concen: 45.099 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

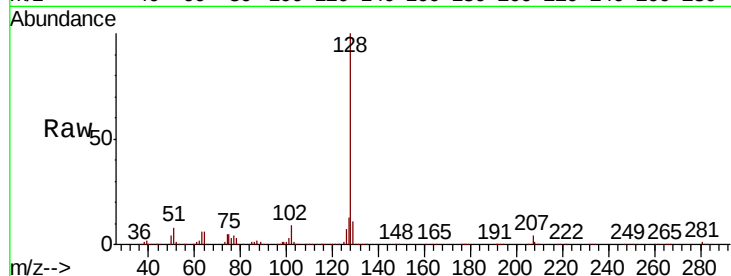
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 734801

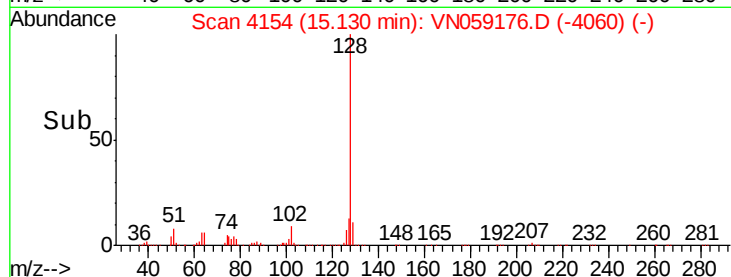
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.0	8.6	12.8



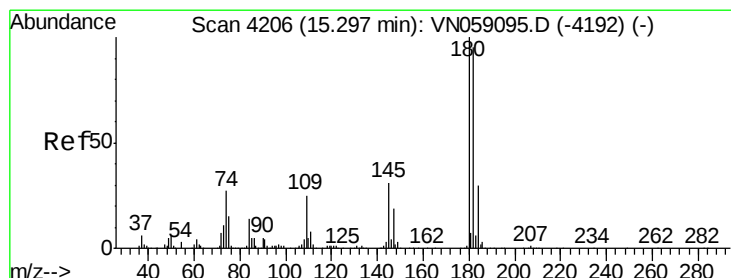
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 50.003 ug/l

RT: 15.30 min Scan# 4206

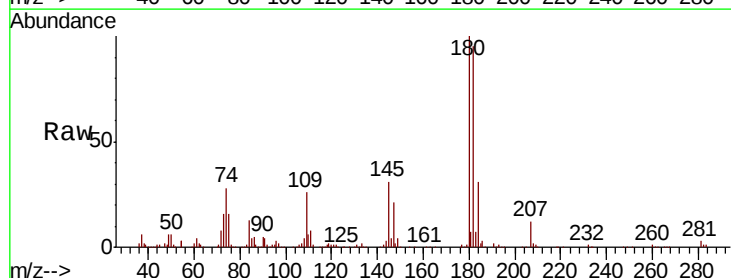
Delta R.T. -0.00 min

Lab File: VN059176.D

Acq: 12 Nov 2019 9:24

Tgt Ion:180 Resp: 273165

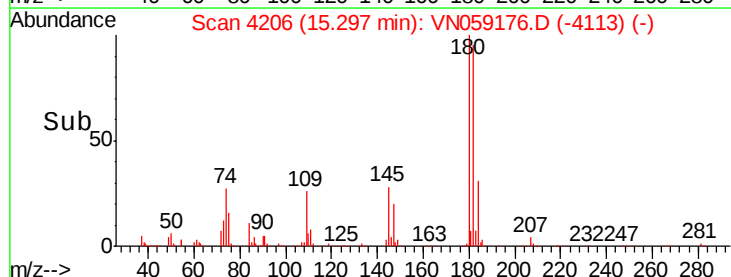
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.8
145	31.6	15.8	47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->