

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055891.D
 Acq On : 30 May 2019 11:18
 Operator : JC/SP
 Sample : VN0530WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 17:13:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	301681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	451792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	397161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155696	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	167569	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	7.59	113	144889	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.09	98	548733	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.40	95	180941	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	37288	18.365	ug/l	99
3) Chloromethane	2.06	50	53211	18.705	ug/l	98
4) Vinyl Chloride	2.18	62	57916	19.088	ug/l	99
5) Bromomethane	2.52	94	40491	21.331	ug/l	99
6) Chloroethane	2.68	64	37001	20.255	ug/l	97
7) Trichlorofluoromethane	3.00	101	79831	20.069	ug/l	99
8) Diethyl Ether	3.40	74	36877	20.684	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	49752	20.036	ug/l	98
10) Methyl Iodide	3.94	142	70737	19.485	ug/l	99
11) Tert butyl alcohol	4.82	59	58751	98.696	ug/l	97
12) 1,1-Dichloroethene	3.72	96	50122	19.535	ug/l	100
13) Acrolein	3.60	56	31838	74.695	ug/l	99
14) Allyl chloride	4.31	41	85888	19.527	ug/l	99
15) Acrylonitrile	4.99	53	146941	107.500	ug/l	99
16) Acetone	3.82	43	153221	111.880	ug/l	98
17) Carbon Disulfide	4.04	76	114641	15.727	ug/l	99
18) Methyl Acetate	4.33	43	67357	23.523	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	176545	20.632	ug/l	100
20) Methylene Chloride	4.54	84	60458	20.384	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	54071	19.616	ug/l	98
22) Diisopropyl ether	5.95	45	180365	21.084	ug/l	98
23) Vinyl Acetate	5.90	43	742076	101.173	ug/l	100
24) 1,1-Dichloroethane	5.84	63	100810	20.240	ug/l	99
25) 2-Butanone	6.84	43	207164	108.313	ug/l	100
26) 2,2-Dichloropropane	6.82	77	81148	18.825	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	64839	20.162	ug/l	98
28) Bromochloromethane	7.19	49	54155	22.836	ug/l	96
29) Tetrahydrofuran	7.22	42	131792	108.809	ug/l	99
30) Chloroform	7.37	83	102202	20.575	ug/l	98
31) Cyclohexane	7.65	56	92183	19.713	ug/l	# 92
32) 1,1,1-Trichloroethane	7.57	97	86260	19.460	ug/l	99
36) 1,1-Dichloropropene	7.79	75	74008	18.797	ug/l	99
37) Ethyl Acetate	6.93	43	77502	20.367	ug/l	99
38) Carbon Tetrachloride	7.77	117	72696	17.726	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	91717	18.812	ug/l	98
40) Benzene	8.04	78	237313	20.000	ug/l	100
41) Methacrylonitrile	7.17	41	33951	17.660	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	79995	20.631	ug/l	100
43) Isopropyl Acetate	8.17	43	126278	19.751	ug/l #	92
44) Trichloroethene	8.83	130	64321	19.444	ug/l	97
45) 1,2-Dichloropropane	9.12	63	61861	20.010	ug/l	99
46) Dibromomethane	9.21	93	41145	20.293	ug/l	98
47) Bromodichloromethane	9.40	83	77705	18.691	ug/l	99
48) Methyl methacrylate	9.20	41	60725	20.608	ug/l	99
49) 1,4-Dioxane	9.20	88	25252	412.390	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	387542	102.632	ug/l	100
52) Toluene	10.16	92	149460	20.027	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	79070	17.818	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	91913	18.696	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	59588	19.931	ug/l	98
56) Ethyl methacrylate	10.43	69	90435	19.573	ug/l	97
57) 1,3-Dichloropropane	10.71	76	98805	20.332	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	168999	95.709	ug/l	99
59) 2-Hexanone	10.75	43	272344	101.668	ug/l	99
60) Dibromochloromethane	10.90	129	60714	17.432	ug/l	98
61) 1,2-Dibromoethane	11.00	107	62022	20.000	ug/l	98
64) Tetrachloroethene	10.63	164	64725	19.322	ug/l	97
65) Chlorobenzene	11.43	112	157068	19.755	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	58476	18.441	ug/l	98
67) Ethyl Benzene	11.51	91	280453	19.670	ug/l	99
68) m/p-Xylenes	11.62	106	211760	39.286	ug/l	100
69) o-Xylene	11.95	106	105972	19.816	ug/l	99
70) Styrene	11.96	104	168796	19.491	ug/l	100
71) Bromoform	12.13	173	42132	15.577	ug/l #	100
73) Isopropylbenzene	12.25	105	277616	23.661	ug/l	100
74) N-amyl acetate	12.07	43	96692	21.642	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	81272	22.988	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	97652	35.512	ug/l #	100
77) Bromobenzene	12.53	156	69082	20.793	ug/l	97
78) n-propylbenzene	12.59	91	288964	21.354	ug/l	100
79) 2-Chlorotoluene	12.67	91	179488	23.261	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	224151	22.644	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21181	18.304	ug/l	90
82) 4-Chlorotoluene	12.77	91	166628	20.948	ug/l	99
83) tert-Butylbenzene	12.99	119	201265	23.364	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	220639	22.415	ug/l	100
85) sec-Butylbenzene	13.17	105	255821	23.139	ug/l	99
86) p-Isopropyltoluene	13.29	119	227577	21.048	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	107283	20.393	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	100181	20.029	ug/l	98
89) n-Butylbenzene	13.61	91	165061	19.924	ug/l	100
90) Hexachloroethane	13.87	117	36893	17.926	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	108790	20.727	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13162	19.079	ug/l	96

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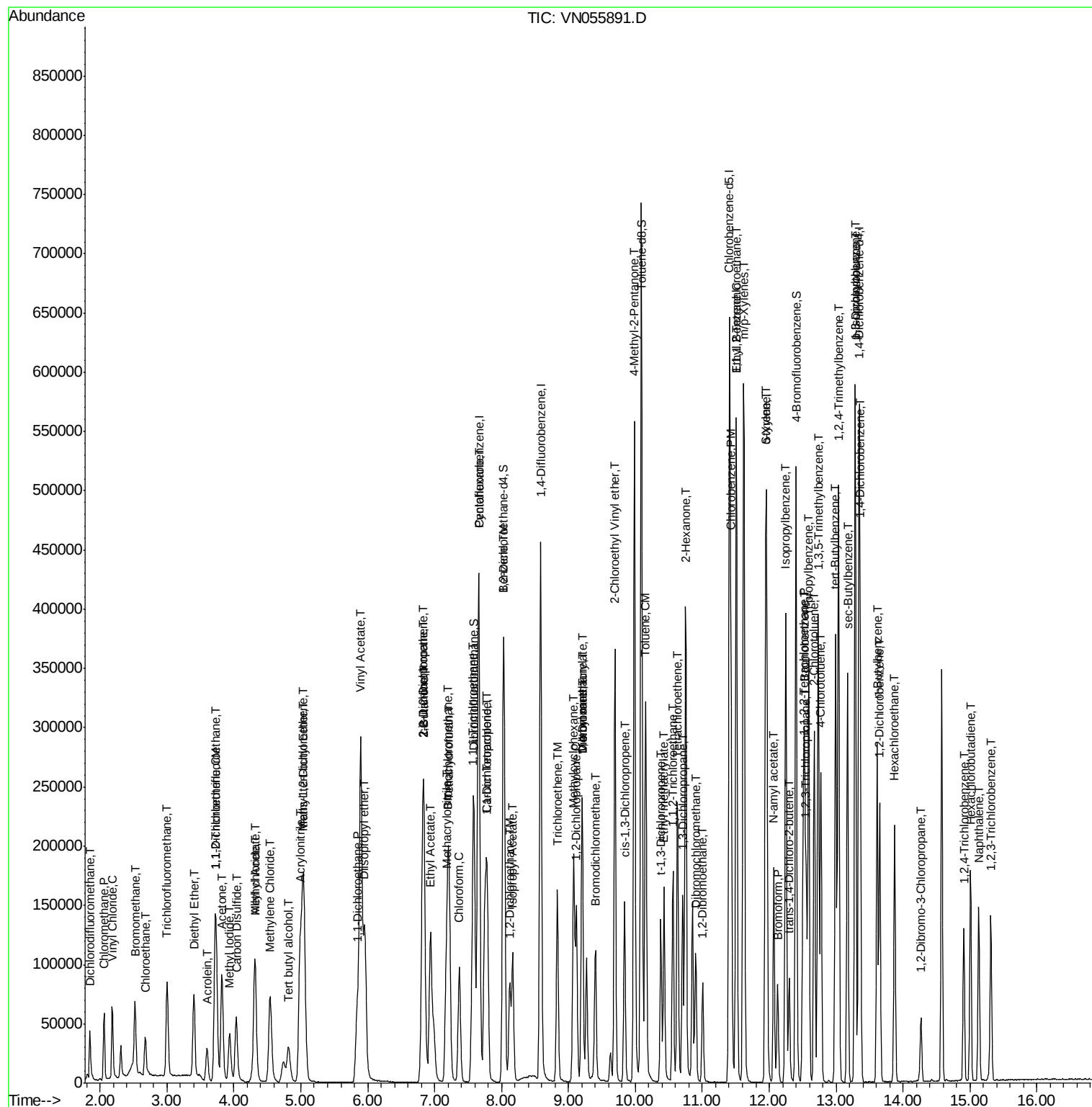
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45361	17.565	ug/l	100
94) Hexachlorobutadiene	15.01	225	38462	19.716	ug/l	98
95) Naphthalene	15.13	128	133711	18.565	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51648	18.615	ug/l	100

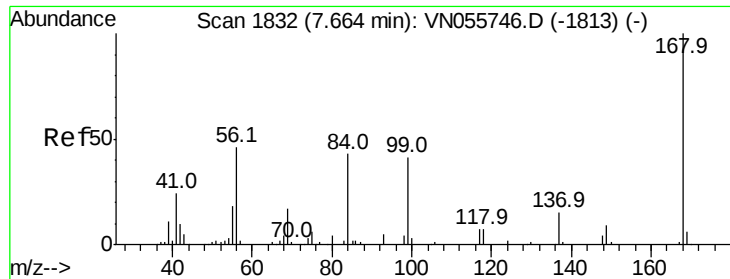
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN053019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

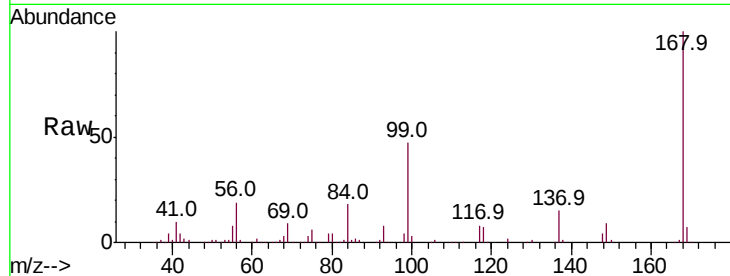
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 301681

Ion Ratio Lower Upper

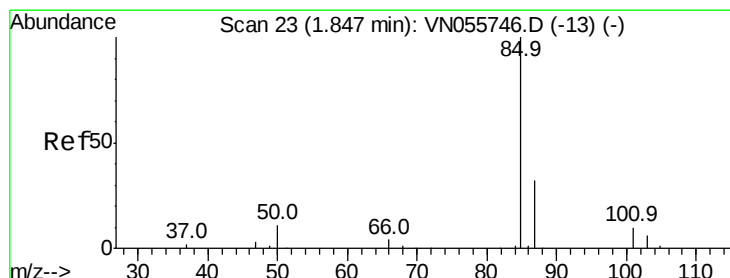
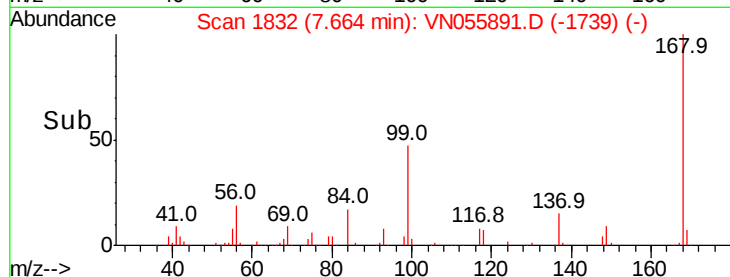
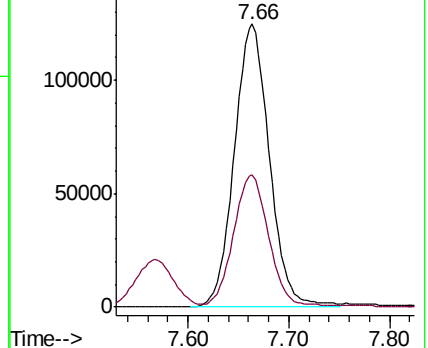
168 100

99 46.0 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.365 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055891.D

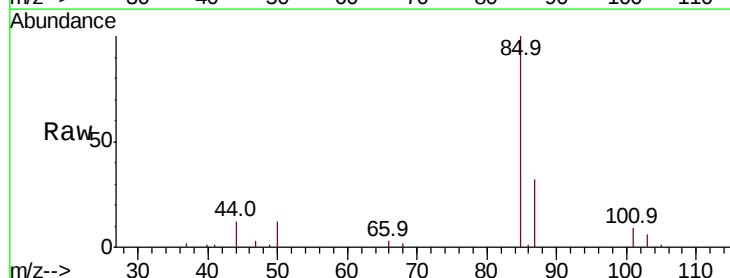
Acq: 30 May 2019 11:18

Tgt Ion: 85 Resp: 37288

Ion Ratio Lower Upper

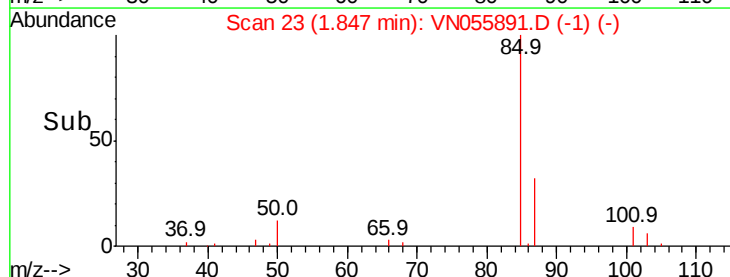
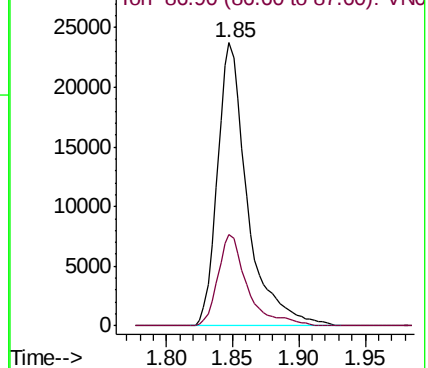
85 100

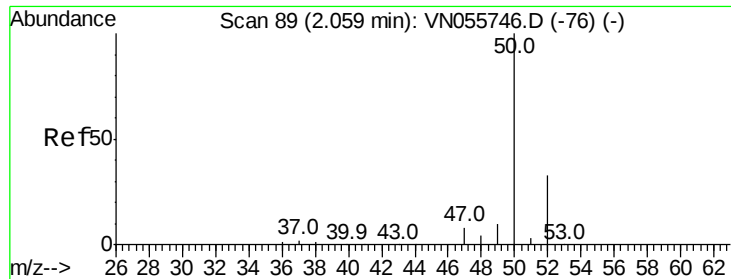
87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.705 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

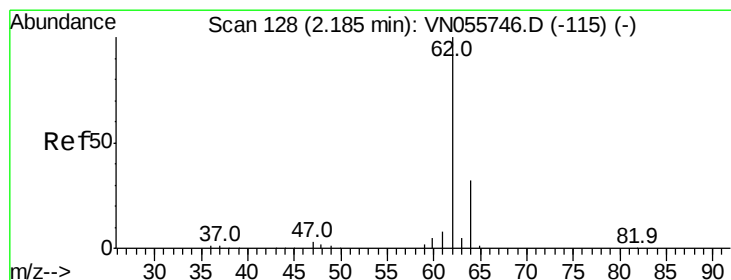
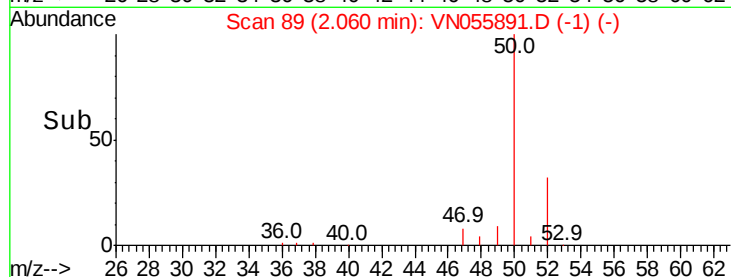
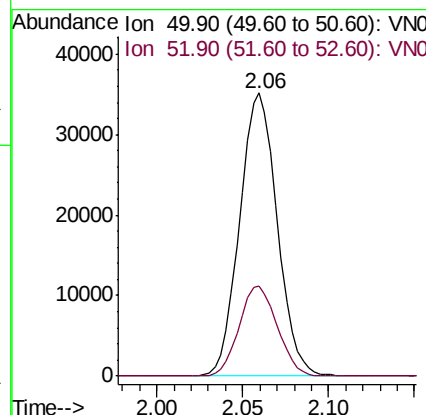
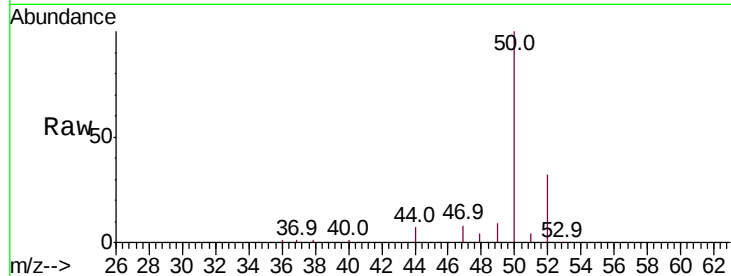
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 53211

Ion Ratio Lower Upper

50 100

52 32.0 26.6 40.0



#4

Vinyl Chloride

Concen: 19.088 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055891.D

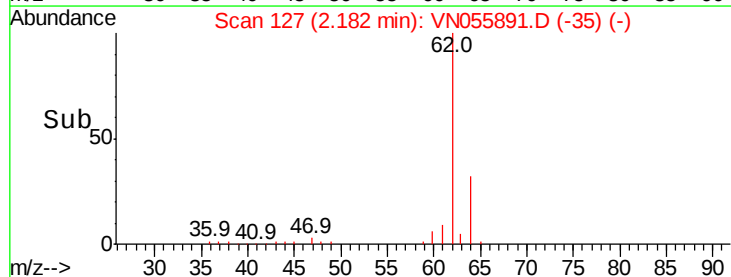
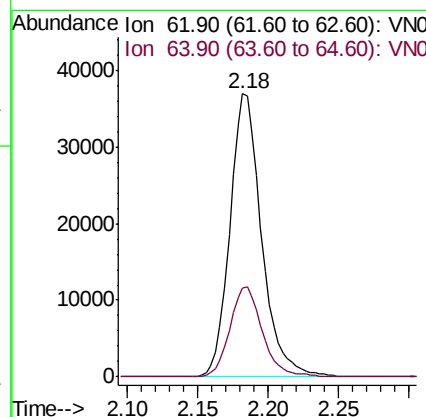
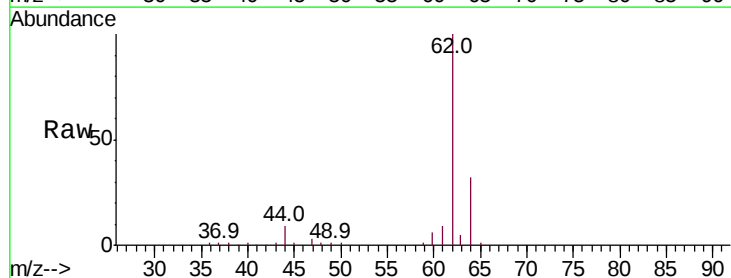
Acq: 30 May 2019 11:18

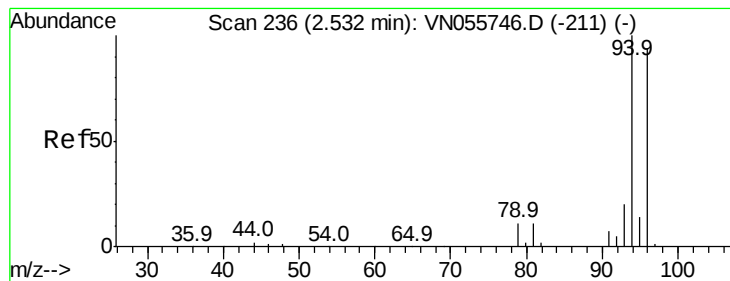
Tgt Ion: 62 Resp: 57916

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4





#5

Bromomethane

Concen: 21.331 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

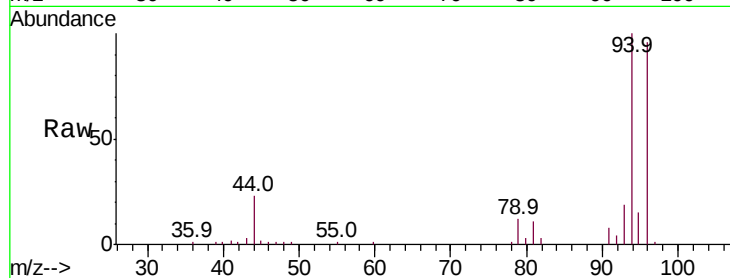
ClientSampled :

Tot Ion: 94 Resp: 40491

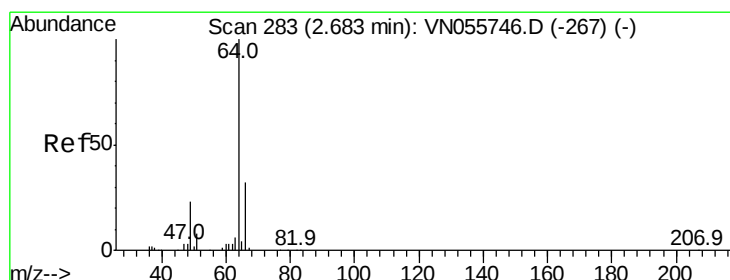
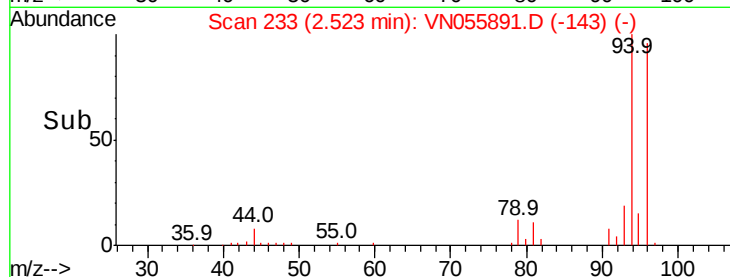
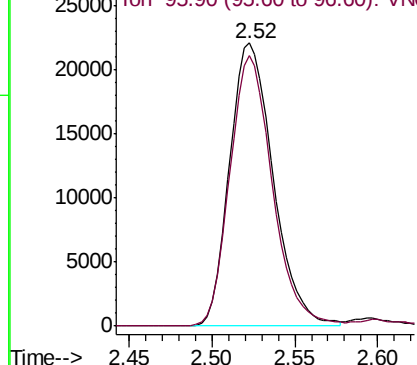
Ion Ratio Lower Upper

94 100

96 95.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.255 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN055891.D

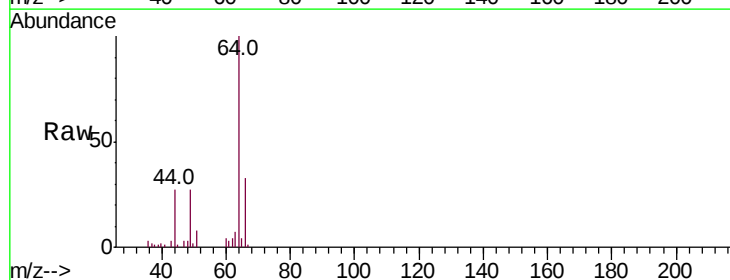
Acq: 30 May 2019 11:18

Tgt Ion: 64 Resp: 37001

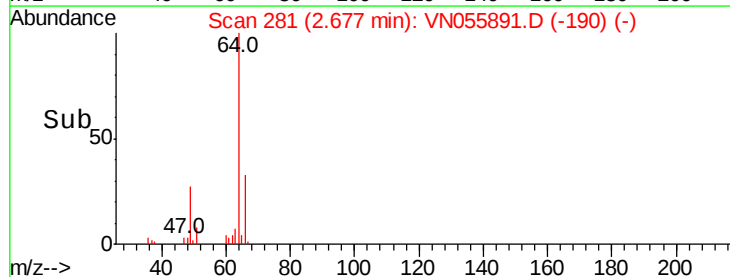
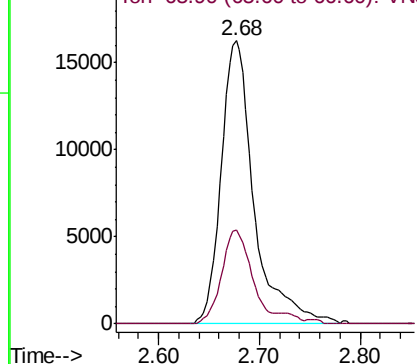
Ion Ratio Lower Upper

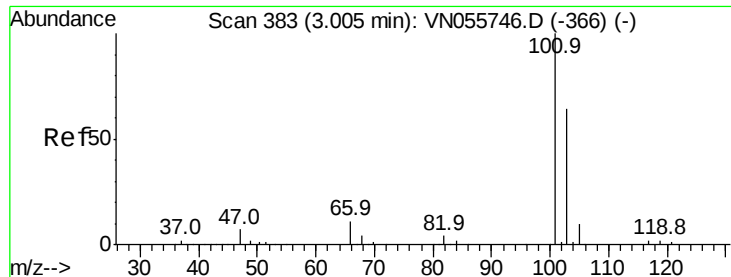
64 100

66 33.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



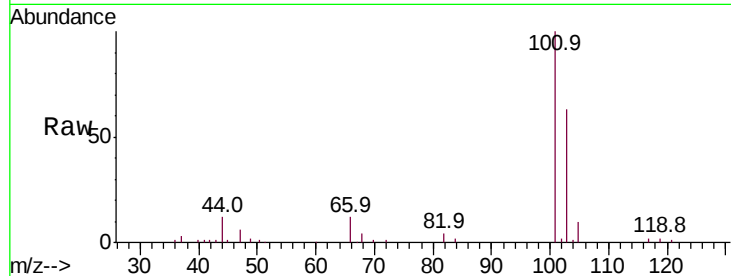


#7

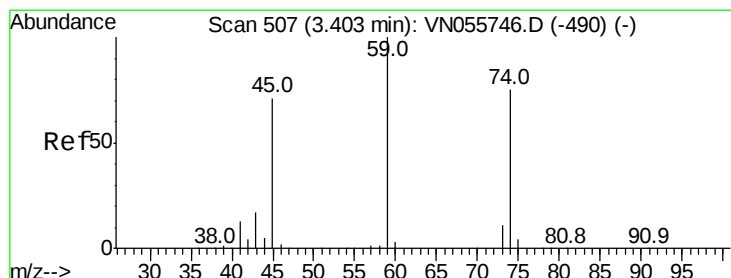
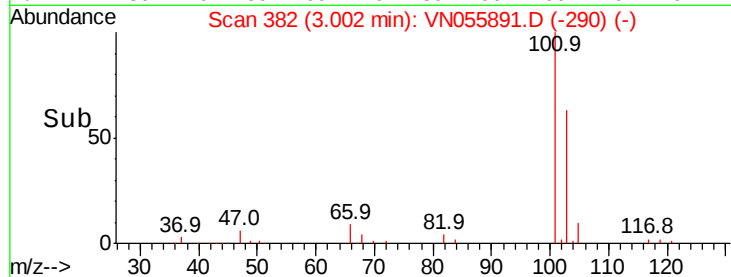
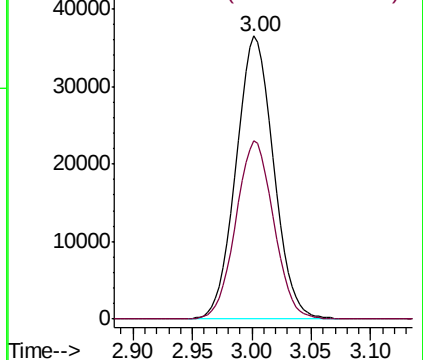
Trichlorofluoromethane
Concen: 20.069 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 79831
Ion Ratio Lower Upper
101 100
103 63.1 51.2 76.8



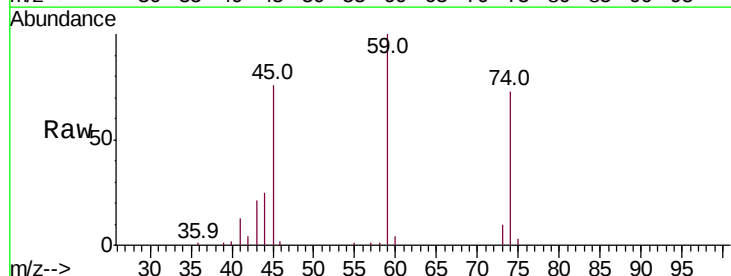
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



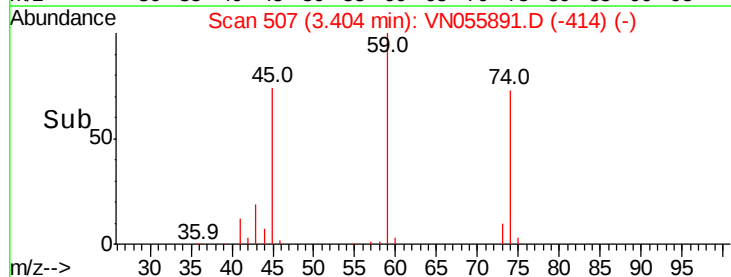
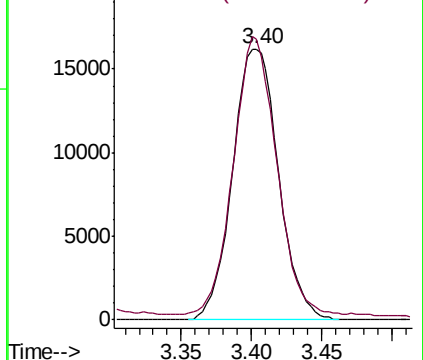
#8

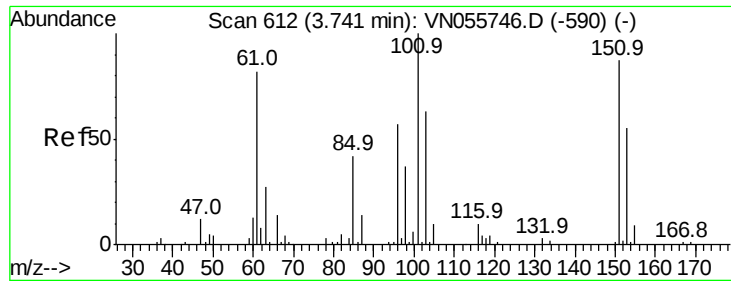
Diethyl Ether
Concen: 20.684 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion: 74 Resp: 36877
Ion Ratio Lower Upper
74 100
45 97.5 48.6 145.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.036 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

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ClientSampleId :

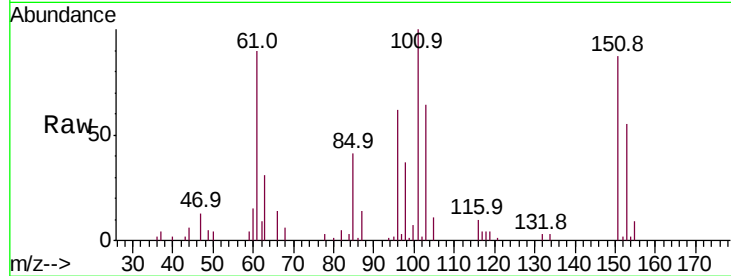
Tot Ion:101 Resp: 49752

Ion Ratio Lower Upper

101 100

85 42.4 33.4 50.2

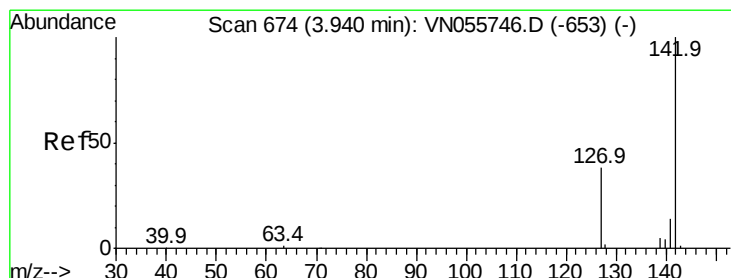
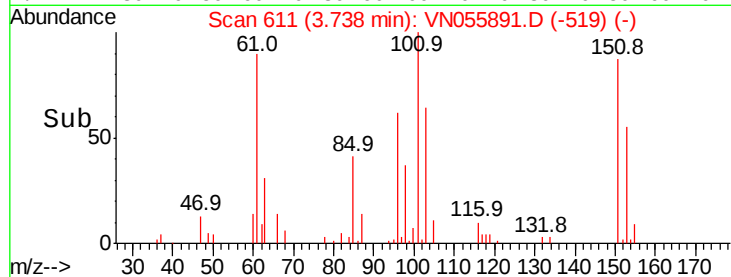
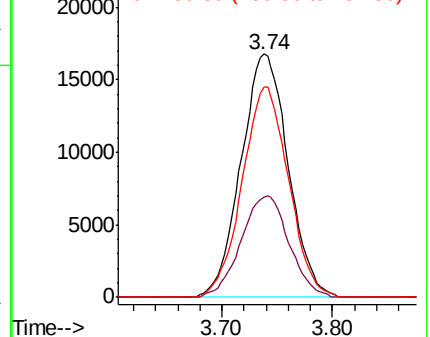
151 85.0 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.485 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

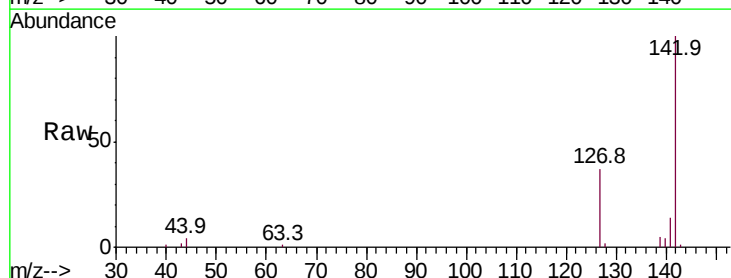
Tgt Ion:142 Resp: 70737

Ion Ratio Lower Upper

142 100

127 37.9 31.0 46.4

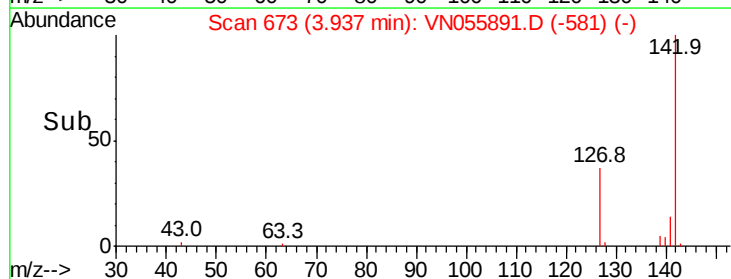
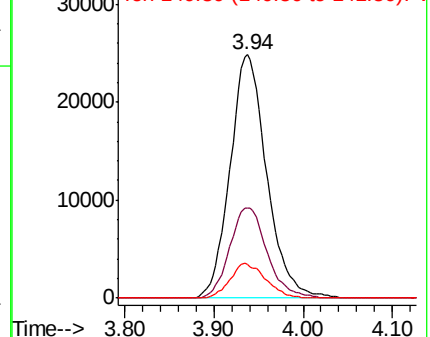
141 13.8 11.4 17.0

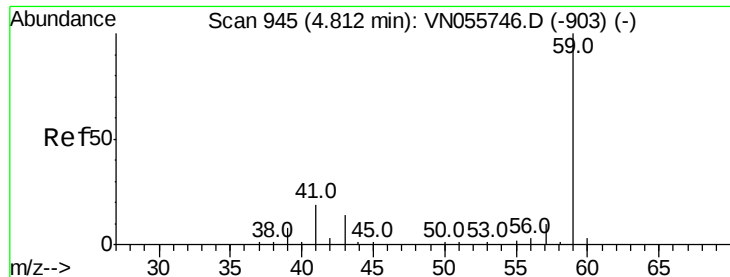


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



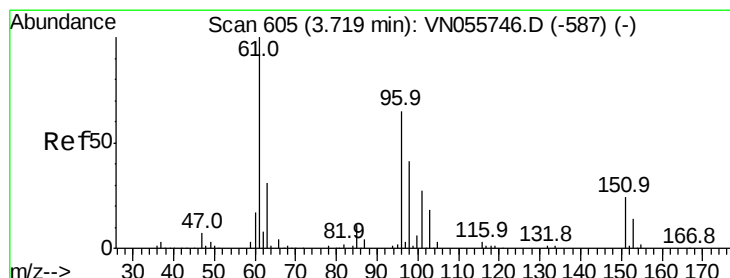
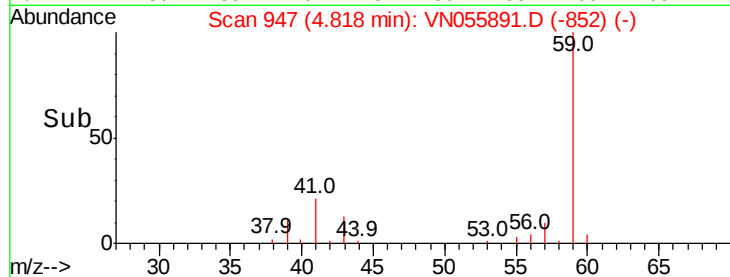
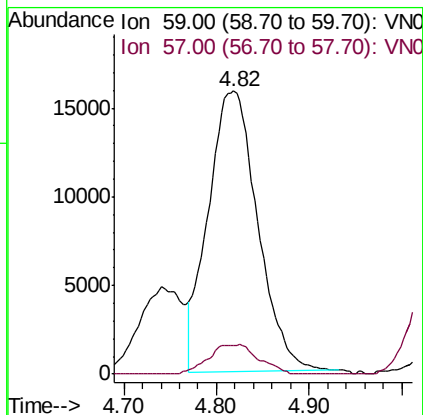
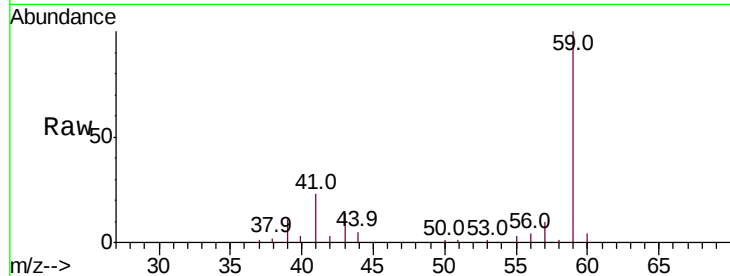


#11

Tert butyl alcohol
 Concen: 98.696 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampleId :

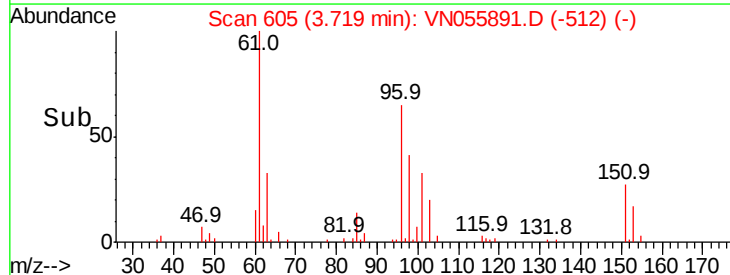
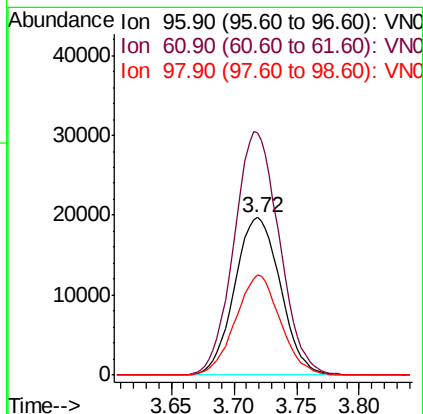
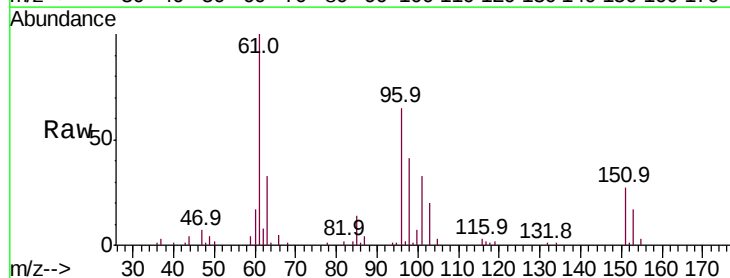
Tot Ion: 59 Resp: 58751
 Ion Ratio Lower Upper
 59 100
 57 10.7 7.8 11.6

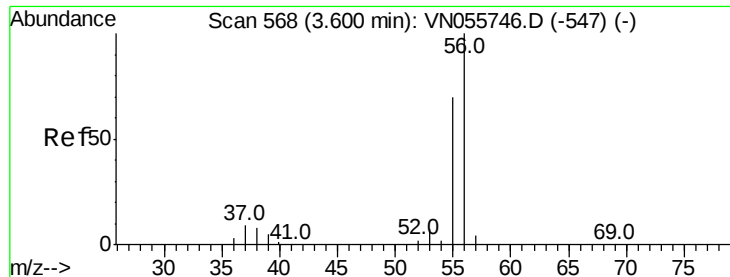


#12

1,1-Dichloroethene
 Concen: 19.535 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion: 96 Resp: 50122
 Ion Ratio Lower Upper
 96 100
 61 154.1 123.2 184.8
 98 63.9 50.4 75.6





#13

Acrolein

Concen: 74.695 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

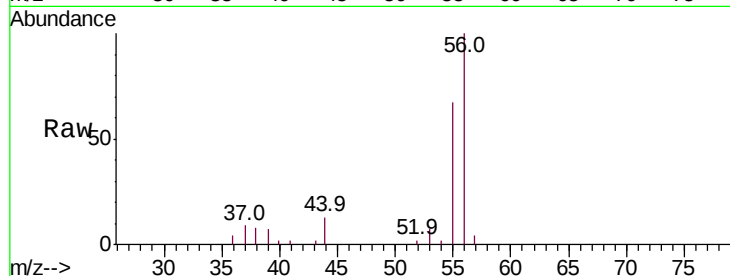
ClientSampled :

Tot Ion: 56 Resp: 31838

Ion Ratio Lower Upper

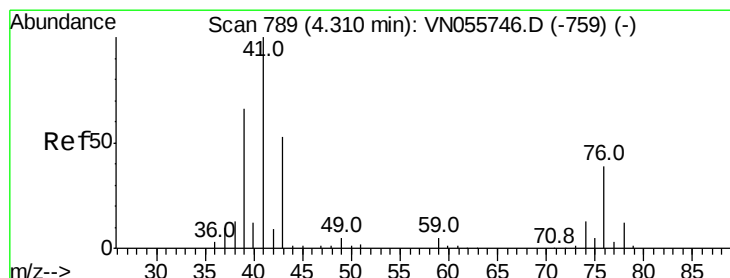
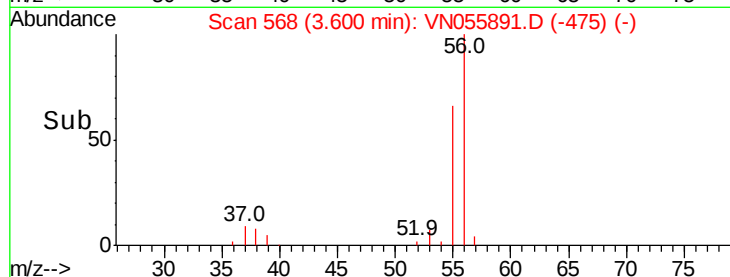
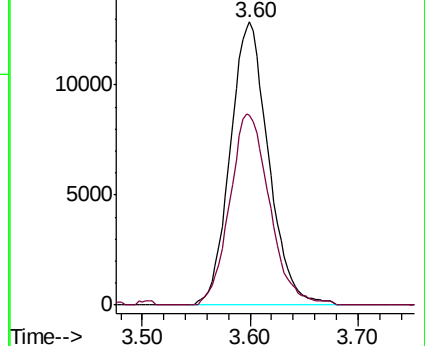
56 100

55 70.3 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN055891.D (-696) (-)

Ion 55.00 (54.70 to 55.70): VN055891.D (-696) (-)



#14

Allyl chloride

Concen: 19.527 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

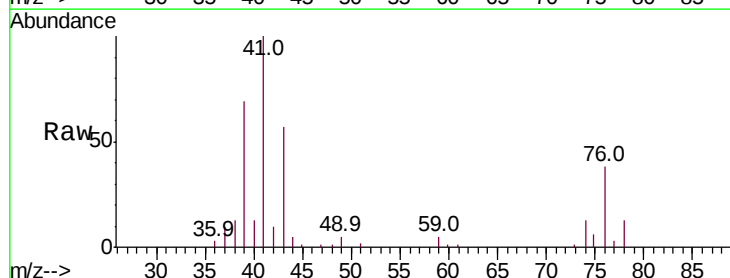
Tgt Ion: 41 Resp: 85888

Ion Ratio Lower Upper

41 100

39 63.5 50.0 75.0

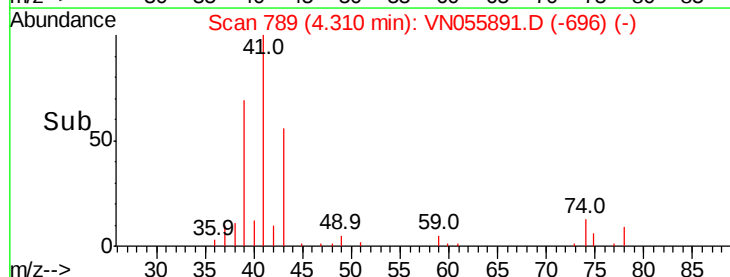
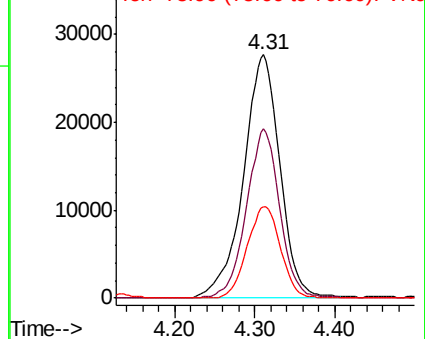
76 34.2 28.2 42.2

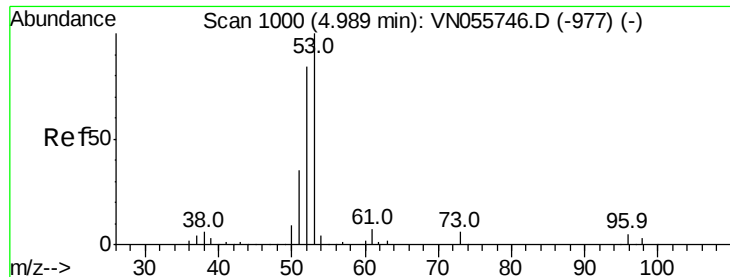


Abundance Ion 41.00 (40.70 to 41.70): VN055891.D (-696) (-)

Ion 39.00 (38.70 to 39.70): VN055891.D (-696) (-)

Ion 75.90 (75.60 to 76.60): VN055891.D (-696) (-)





#15

Acrylonitrile

Concen: 107.500 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampled :

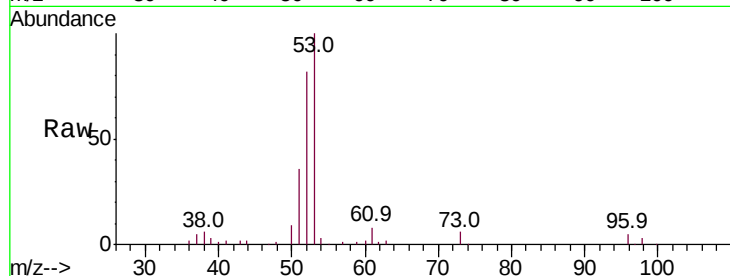
Tot Ion: 53 Resp: 146941

Ion Ratio Lower Upper

53 100

52 81.4 65.8 98.8

51 35.7 28.2 42.4



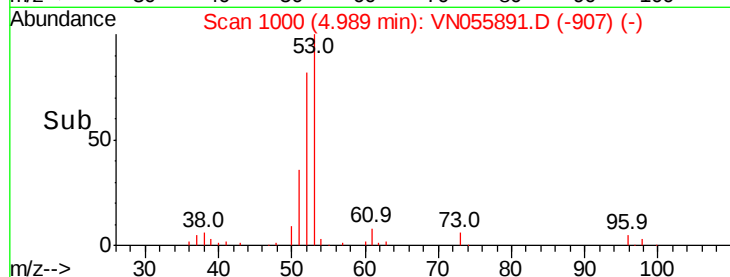
Abundance Ion 53.00 (52.70 to 53.70): VN055891.D (-543) (-)

Ion 52.00 (51.70 to 52.70): VN055891.D (-543) (-)

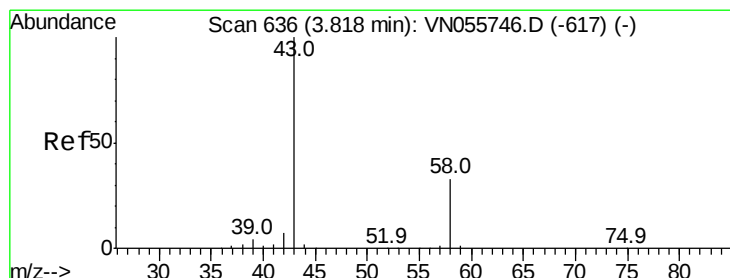
Ion 51.00 (50.70 to 51.70): VN055891.D (-543) (-)

4.99

Time-->



Time-->



#16

Acetone

Concen: 111.880 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055891.D

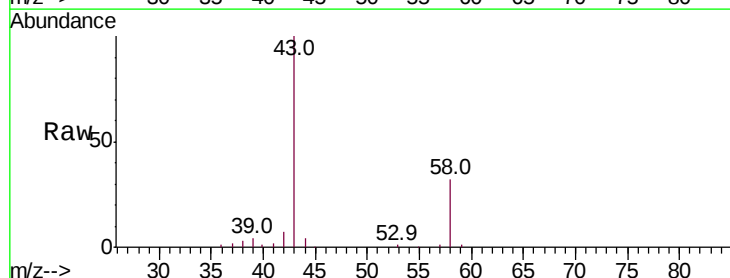
Acq: 30 May 2019 11:18

Tgt Ion: 43 Resp: 153221

Ion Ratio Lower Upper

43 100

58 32.1 26.6 39.8

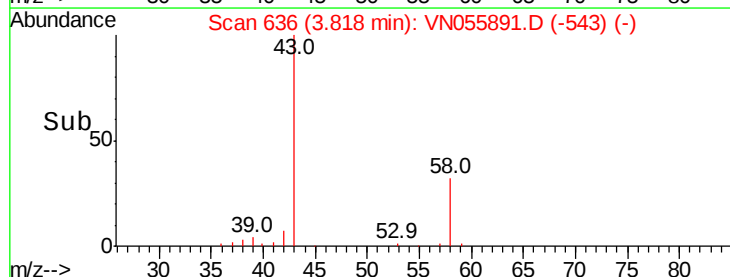


Abundance Ion 43.00 (42.70 to 43.70): VN055891.D (-543) (-)

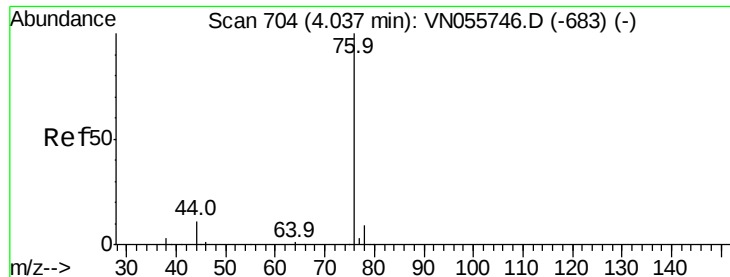
Ion 58.00 (57.70 to 58.70): VN055891.D (-543) (-)

3.82

Time-->



Time-->



#17

Carbon Disulfide

Concen: 15.727 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

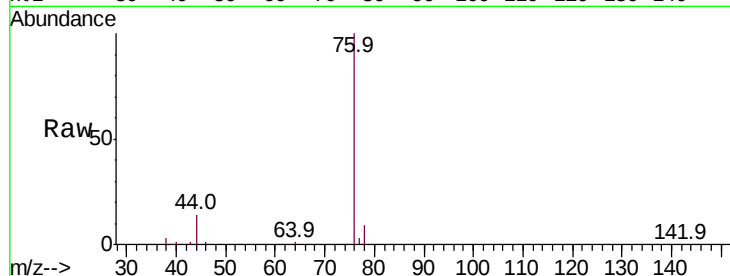
ClientSampleId :

Tot Ion: 76 Resp: 114641

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

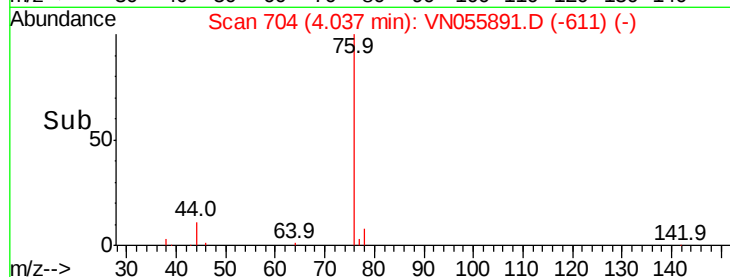


Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

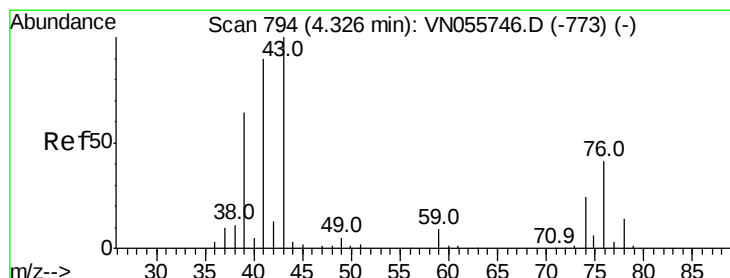
4.04

Time-->



4.04

Time-->



#18

Methyl Acetate

Concen: 23.523 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055891.D

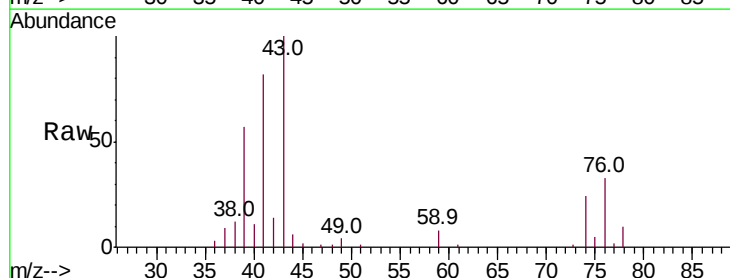
Acq: 30 May 2019 11:18

Tgt Ion: 43 Resp: 67357

Ion Ratio Lower Upper

43 100

74 23.2 19.3 28.9

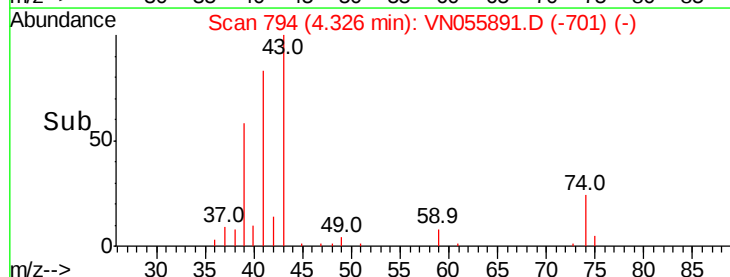


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

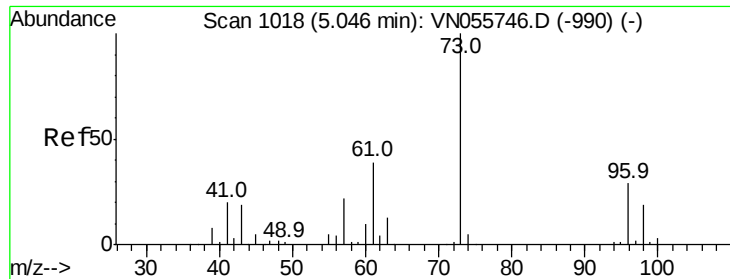
4.33

Time-->



4.33

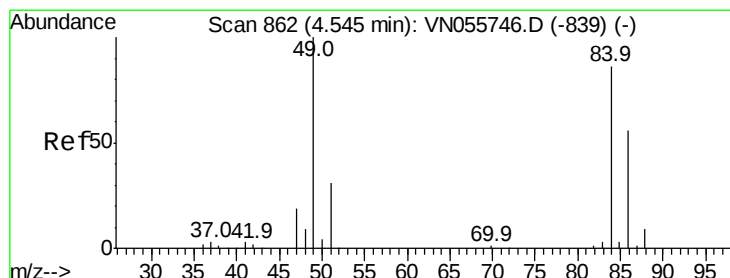
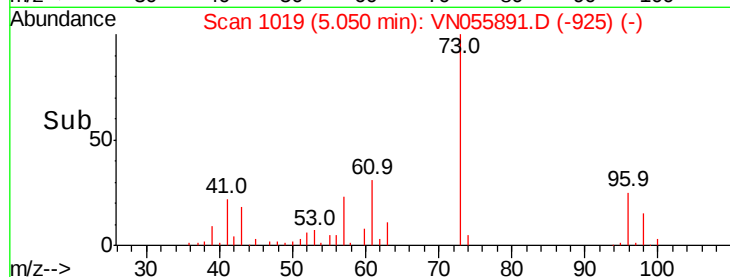
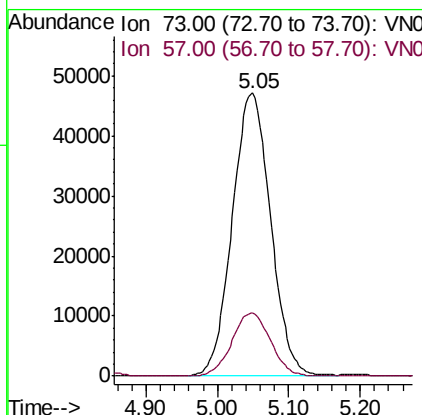
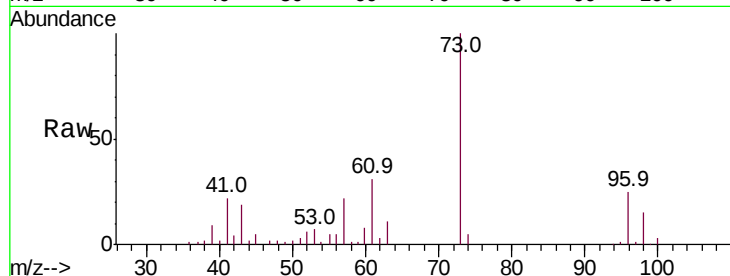
Time-->



#19
Methvl tert-butvl Ether
Concen: 20.632 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

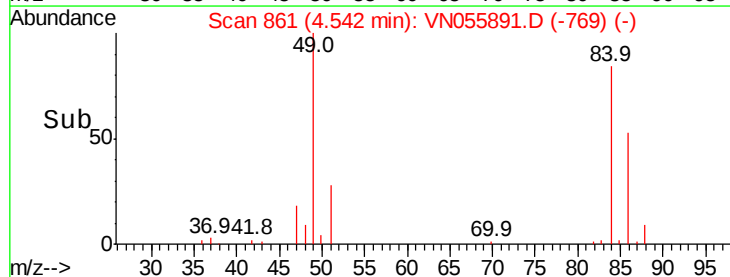
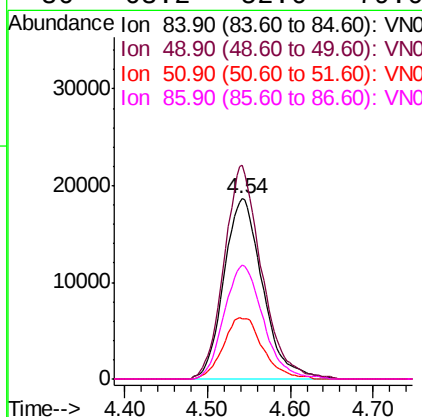
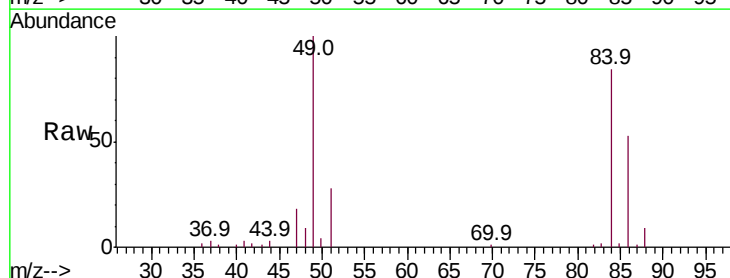
Instrument :
MSVOA_N
ClientSampled :

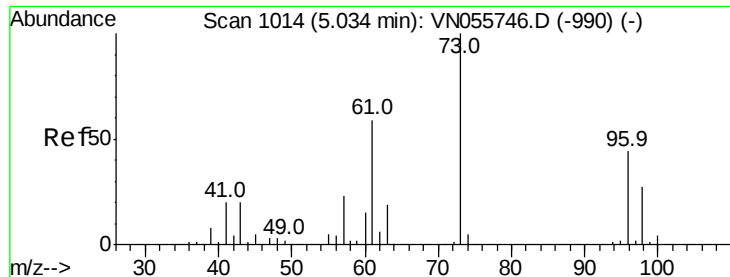
Tot Ion: 73 Resp: 176545
Ion Ratio Lower Upper
73 100
57 22.5 17.8 26.8



#20
Methylene Chloride
Concen: 20.384 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion: 84 Resp: 60458
Ion Ratio Lower Upper
84 100
49 118.6 93.5 140.3
51 33.6 28.6 43.0
86 63.2 52.6 79.0

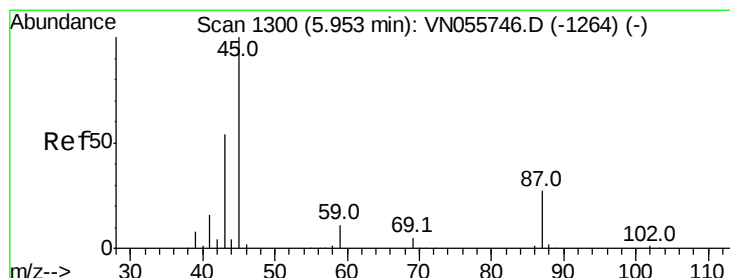
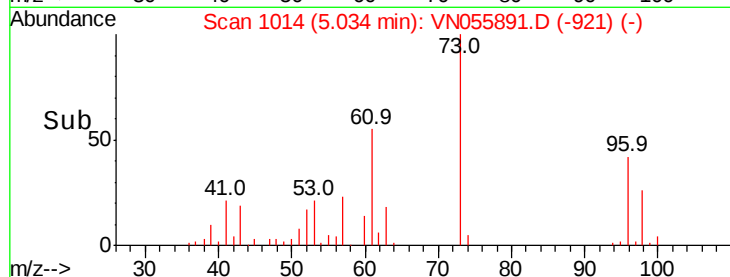
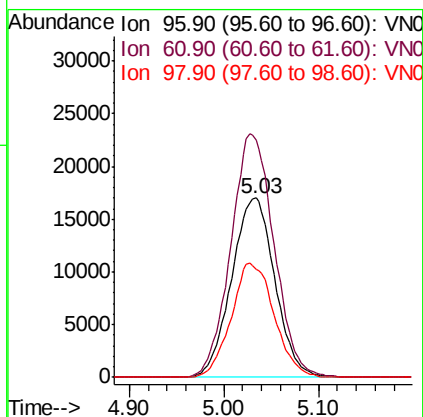
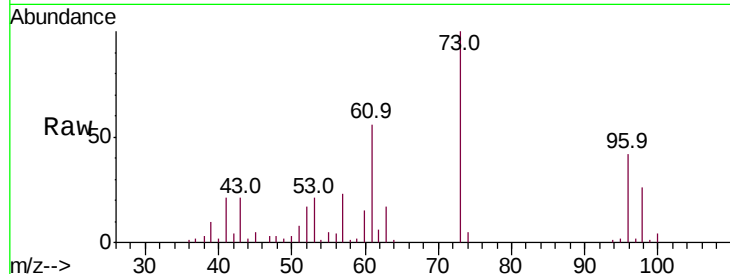




#21
trans-1,2-Dichloroethene
Concen: 19.616 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

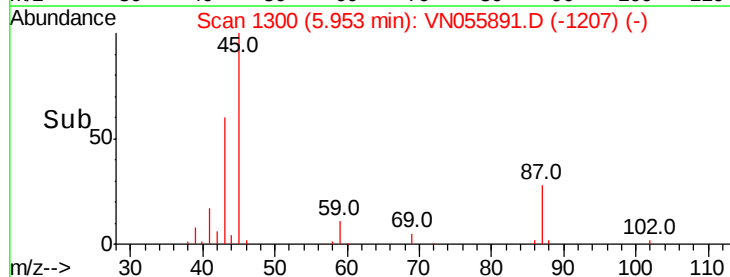
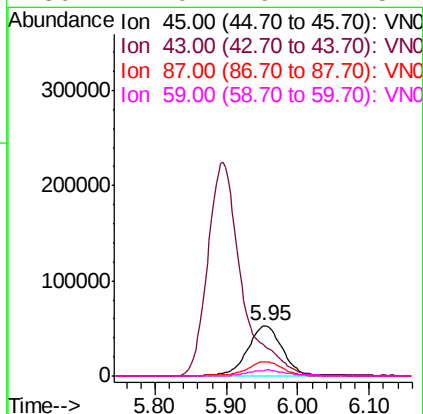
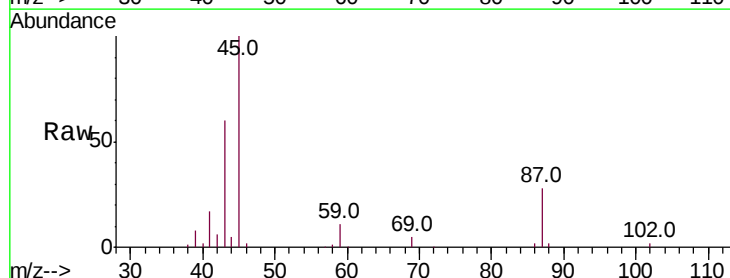
Instrument :
MSVOA_N
ClientSampleId :

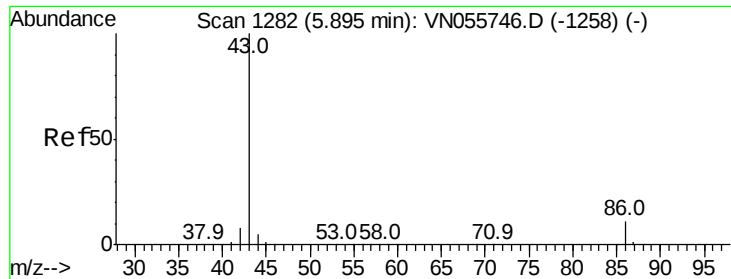
Tot Ion: 96 Resp: 54071
Ion Ratio Lower Upper
96 100
61 132.3 107.8 161.8
98 60.6 49.8 74.8



#22
Diisopropyl ether
Concen: 21.084 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion: 45 Resp: 180365
Ion Ratio Lower Upper
45 100
43 58.0 45.0 67.6
87 27.4 22.2 33.4
59 11.0 9.1 13.7





#23

Vinyl Acetate

Concen: 101.173 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

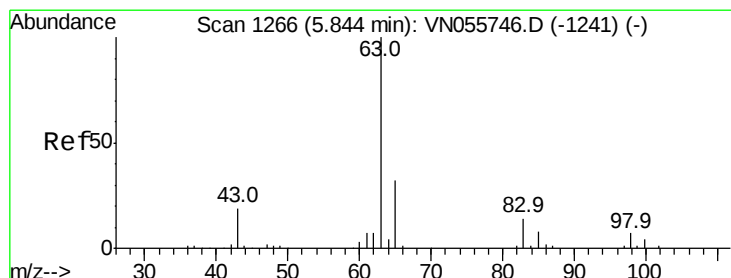
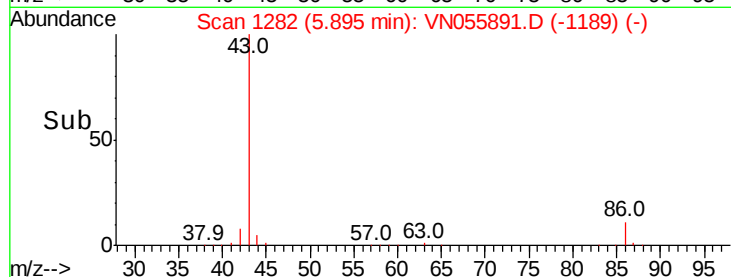
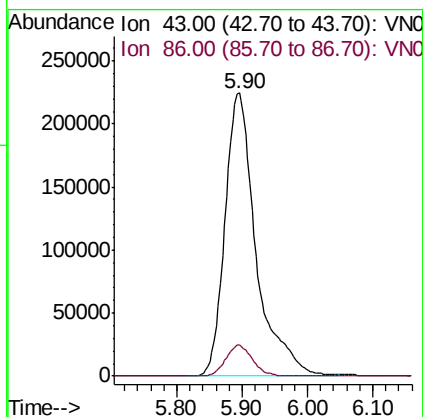
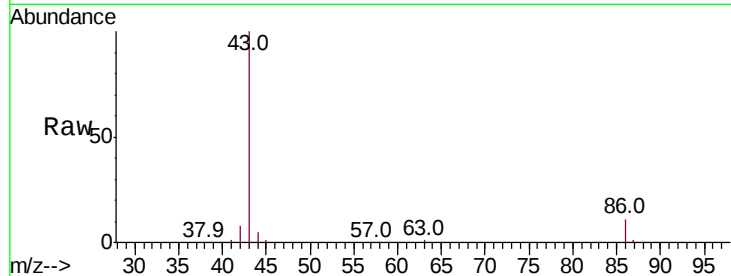
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 742076

Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0



#24

1,1-Dichloroethane

Concen: 20.240 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

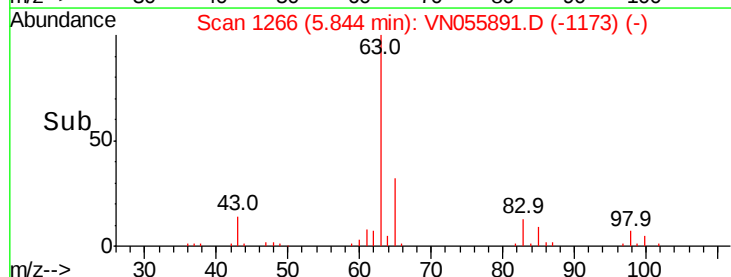
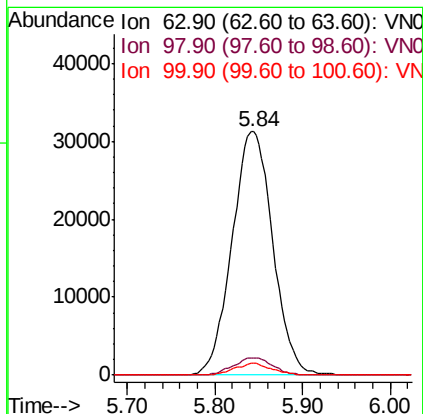
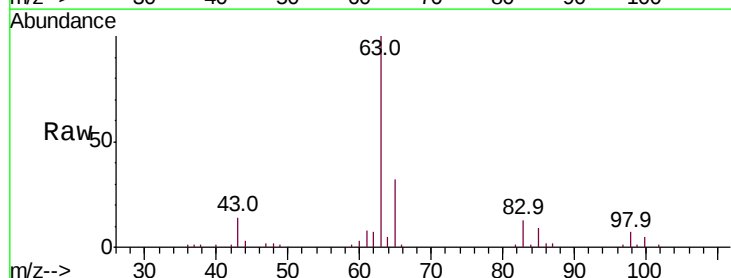
Tgt Ion: 63 Resp: 100810

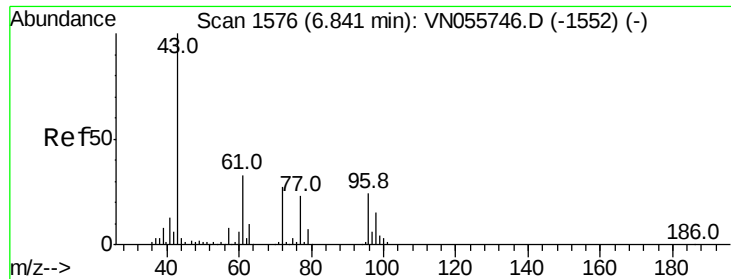
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 5.0 2.2 6.6





#25

2-Butanone

Concen: 108.313 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

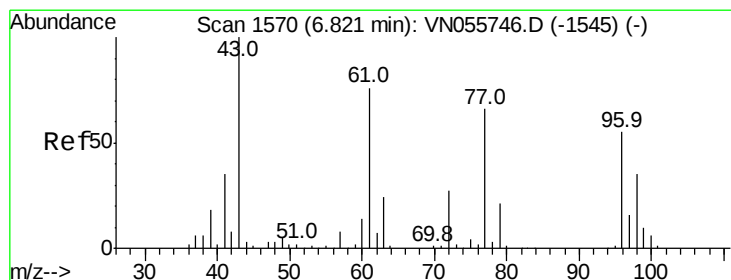
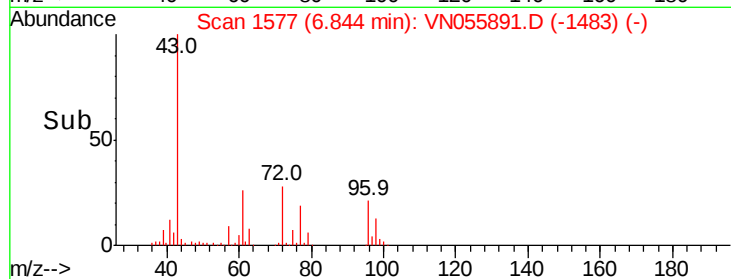
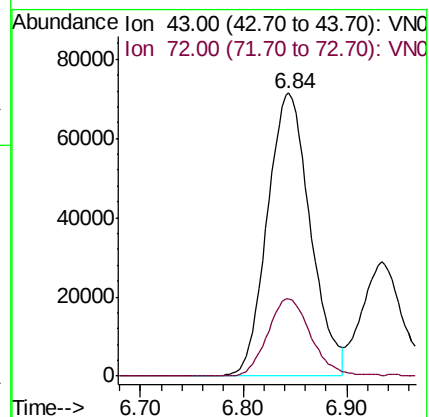
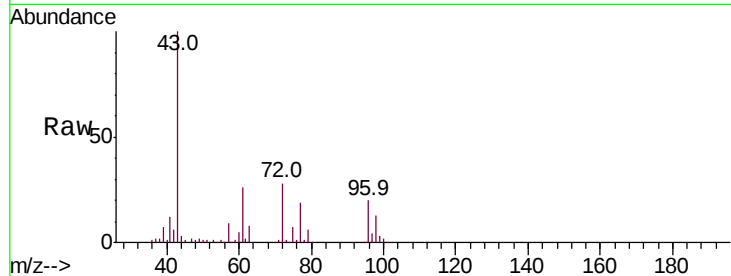
ClientSampleId :

Tot Ion: 43 Resp: 207164

Ion Ratio Lower Upper

43 100

72 27.5 21.9 32.9



#26

2,2-Dichloropropane

Concen: 18.825 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN055891.D

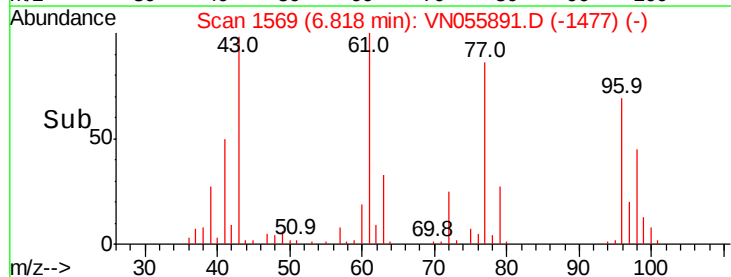
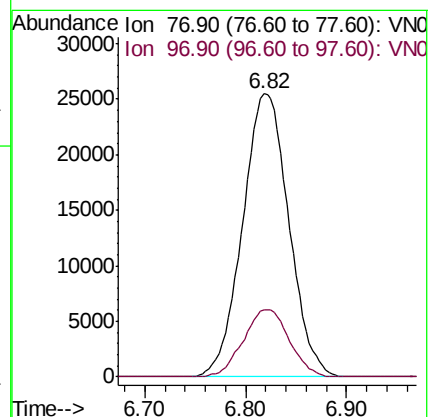
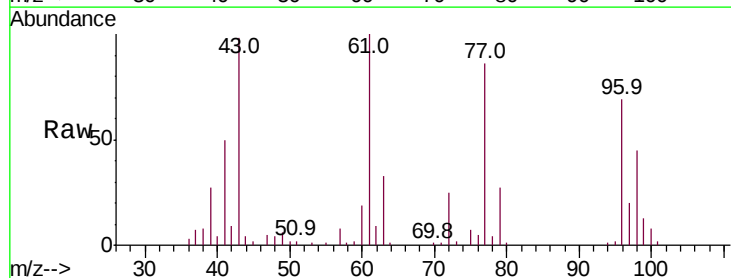
Acq: 30 May 2019 11:18

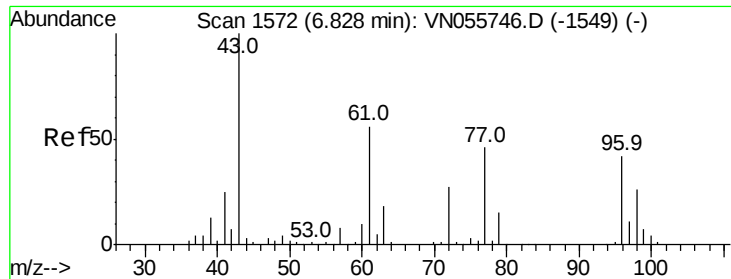
Tgt Ion: 77 Resp: 81148

Ion Ratio Lower Upper

77 100

97 23.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.162 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampled :

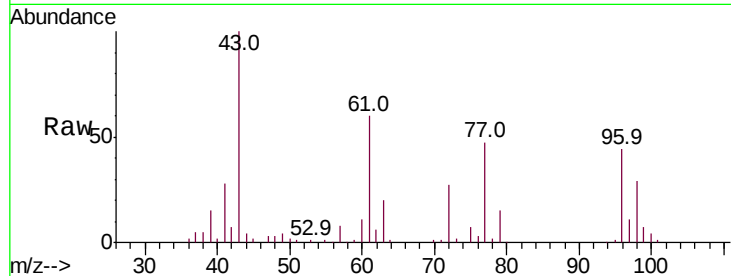
Tot Ion: 96 Resp: 64839

Ion Ratio Lower Upper

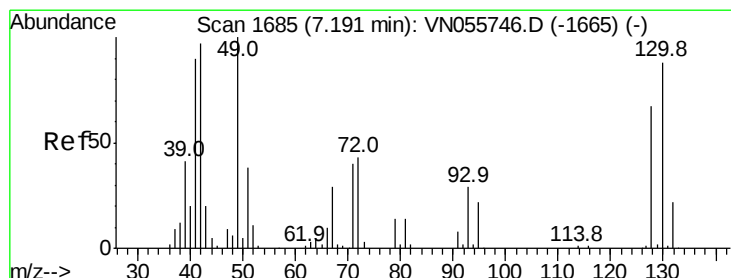
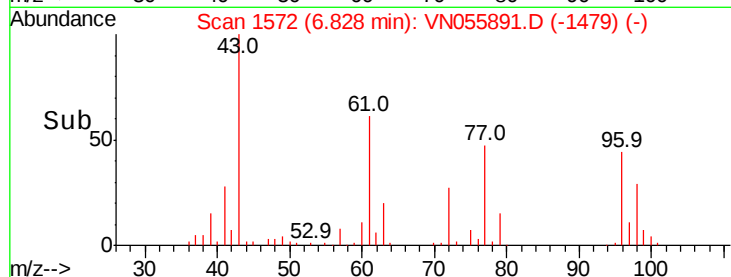
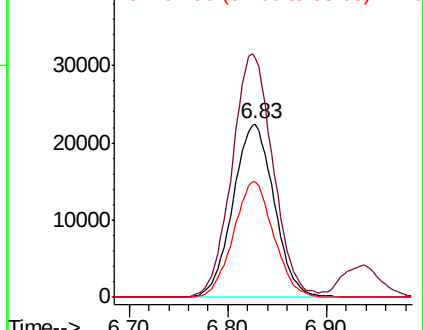
96 100

61 140.4 0.0 275.8

98 65.5 0.0 128.4



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



#28

Bromochloromethane

Concen: 22.836 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

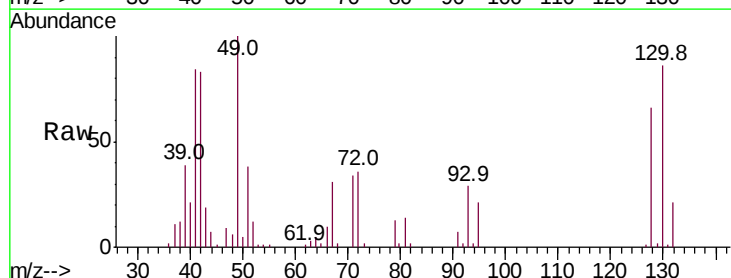
Tgt Ion: 49 Resp: 54155

Ion Ratio Lower Upper

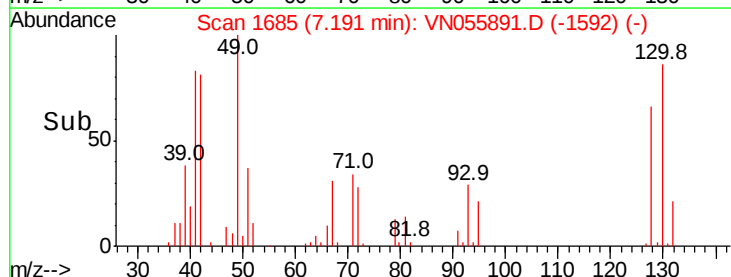
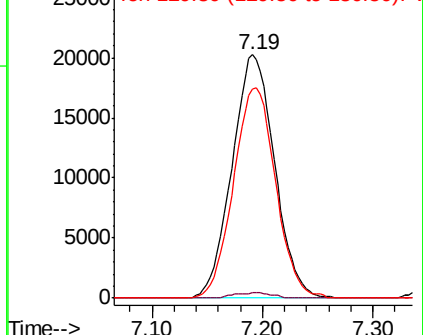
49 100

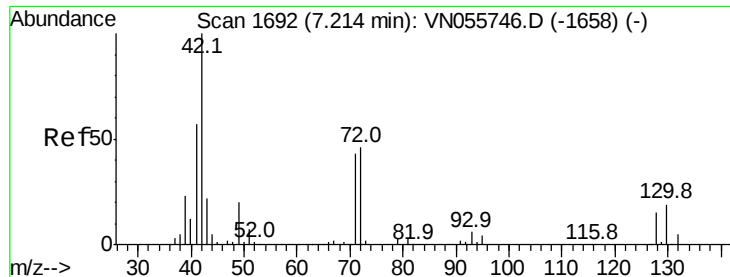
129 1.9 0.0 4.4

130 85.6 71.2 106.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 108.809 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampled :

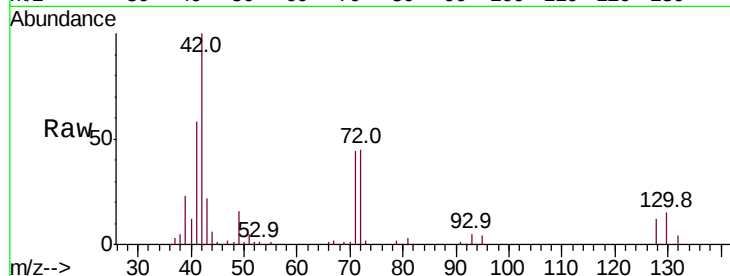
Tot Ion: 42 Resp: 131792

Ion Ratio Lower Upper

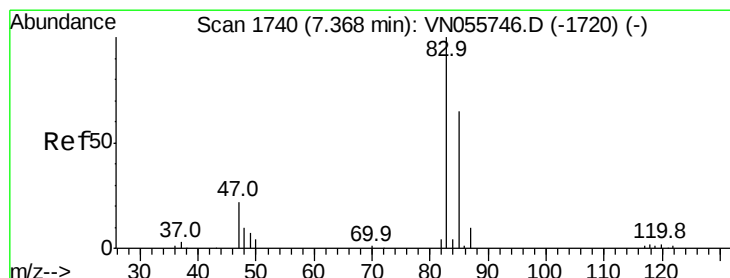
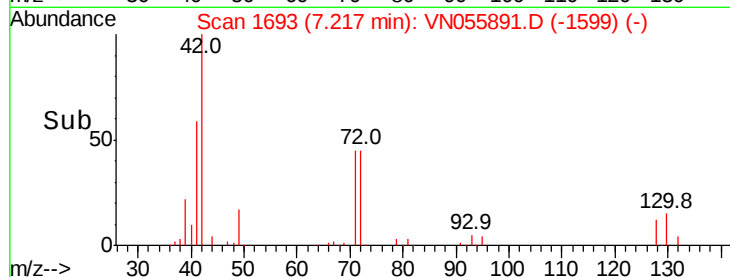
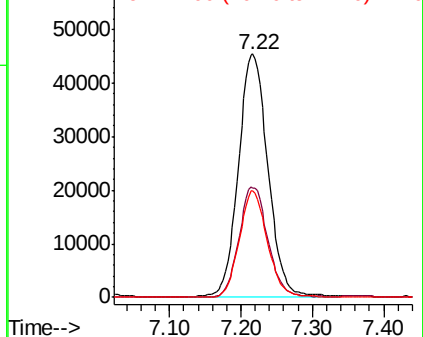
42 100

72 44.0 35.9 53.9

71 41.5 34.0 51.0



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: 20.575 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VN055891.D

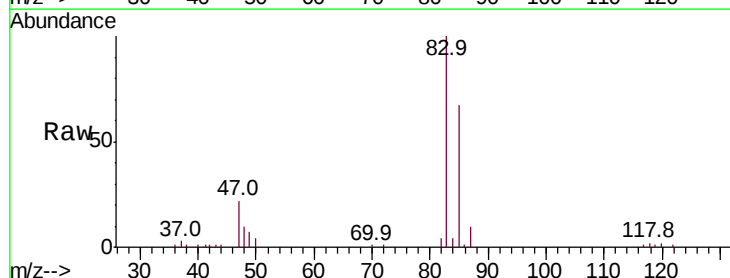
Acq: 30 May 2019 11:18

Tgt Ion: 83 Resp: 102202

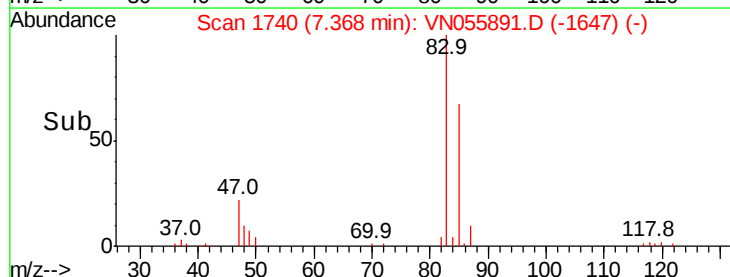
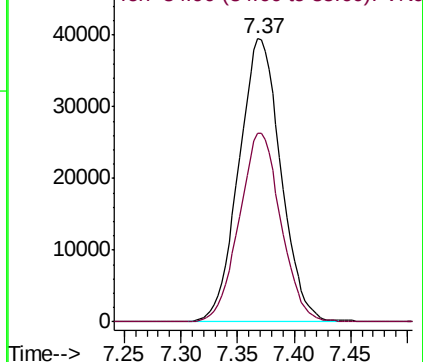
Ion Ratio Lower Upper

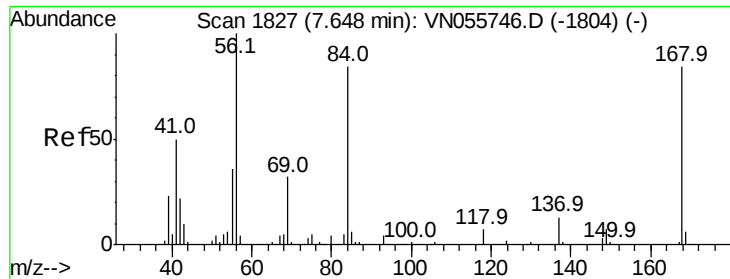
83 100

85 66.7 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: 19.713 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

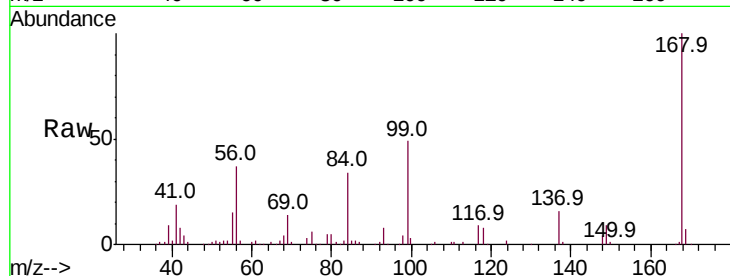
Lab File: VN055891.D

Acq: 30 May 2019 11:18

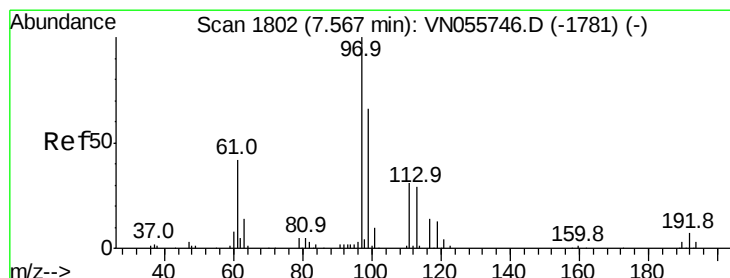
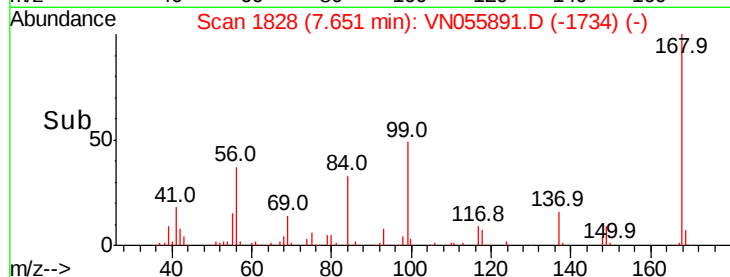
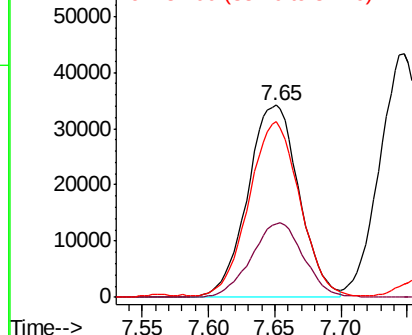
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 92183

Ion	Ratio	Lower	Upper
56	100		
69	38.5	25.6	38.4#
84	90.4	67.4	101.0



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



#32

1,1,1-Trichloroethane

Concen: 19.460 ug/l

RT: 7.57 min Scan# 1802

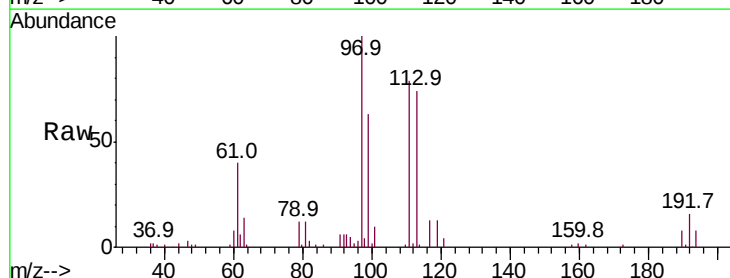
Delta R.T. 0.00 min

Lab File: VN055891.D

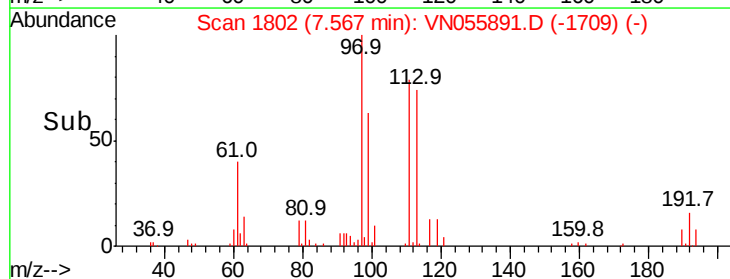
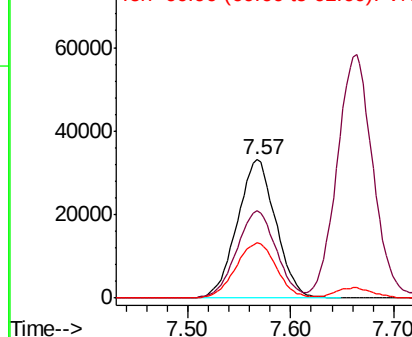
Acq: 30 May 2019 11:18

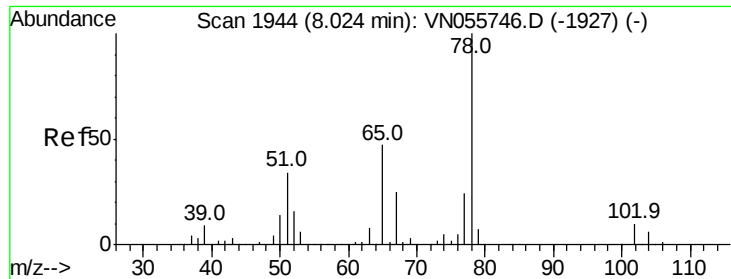
Tgt Ion: 97 Resp: 86260

Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.0	78.0
61	41.9	32.9	49.3



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





#33

1,2-Dichloroethane-d4

Concen: 53.785 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

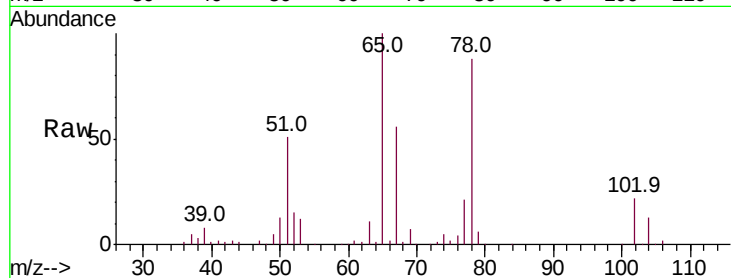
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 167569

Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055891.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN055891.D (-1927) (-)

8.02

60000

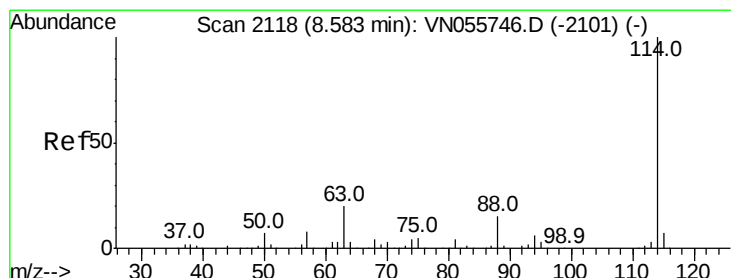
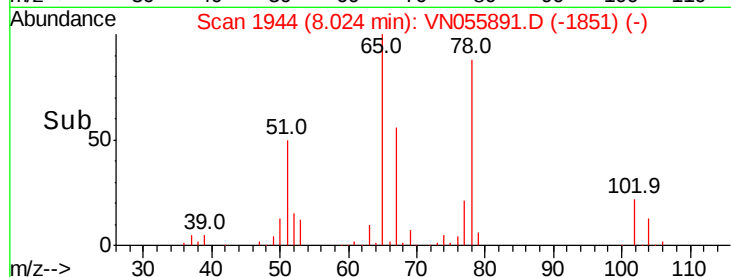
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

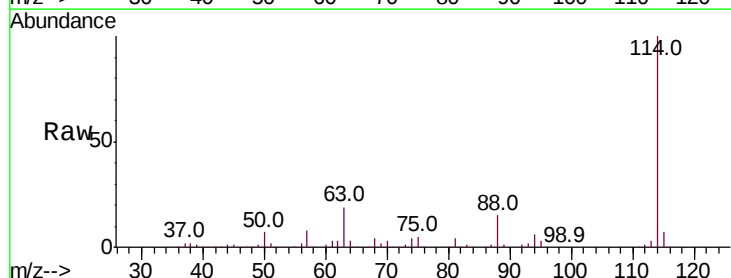
Tgt Ion: 114 Resp: 451792

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

88 15.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN055891.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN055891.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN055891.D (-2101) (-)

8.58

250000

200000

150000

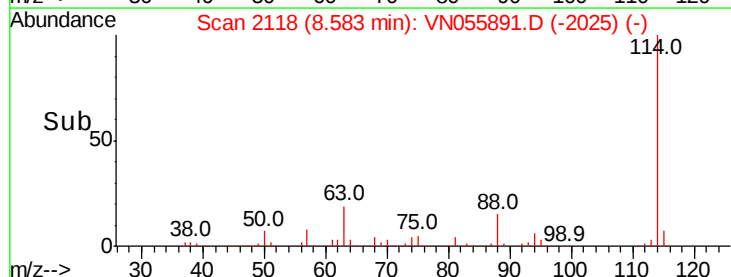
100000

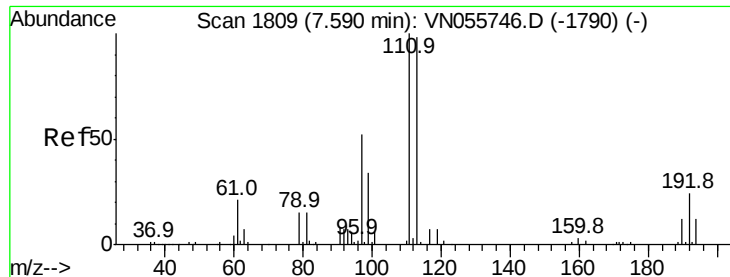
50000

0

8.50 8.60 8.70

Time-->

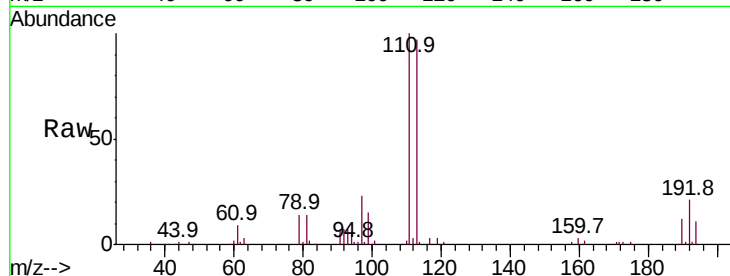




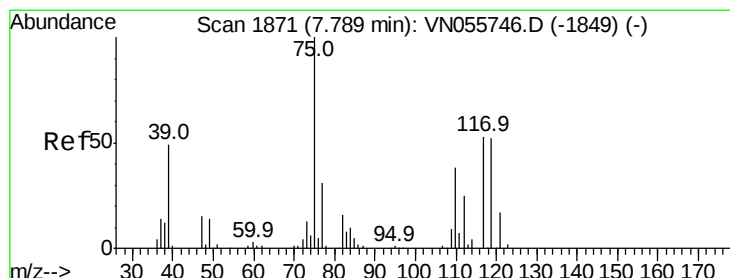
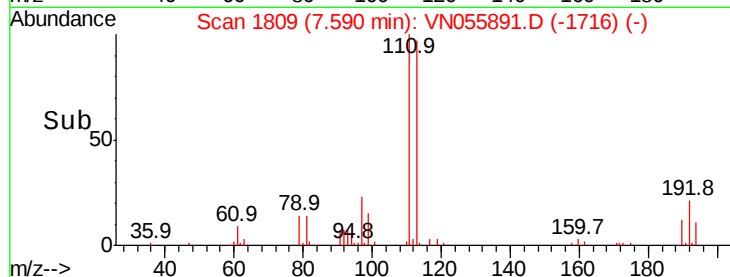
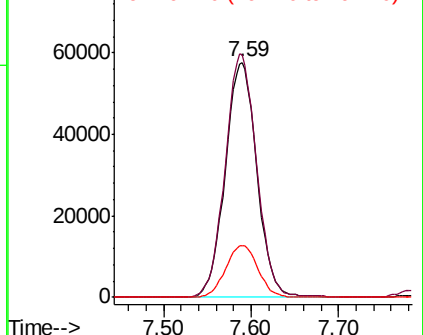
#35
 Dibromofluoromethane
 Concen: 50.725 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.9	122.9
192	22.4	19.5	29.3

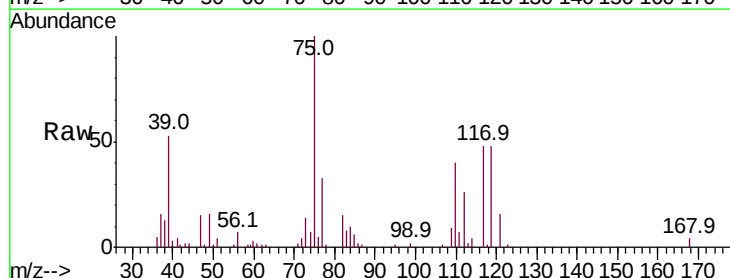


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

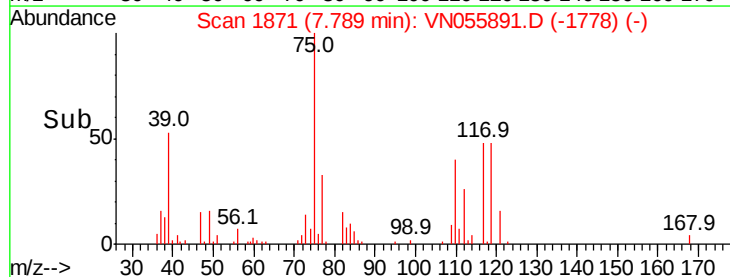
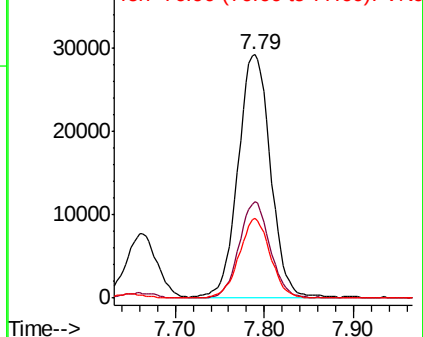


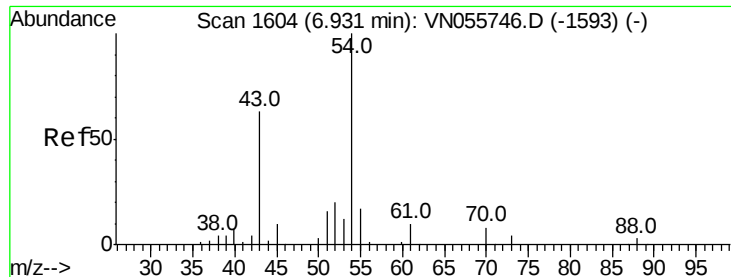
#36
 1,1-Dichloropropene
 Concen: 18.797 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	19.0	57.0
77	31.0	25.1	37.7



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

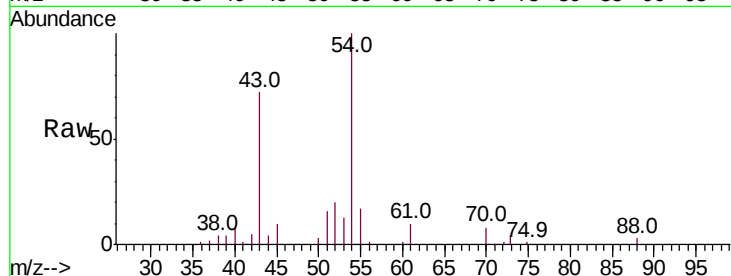




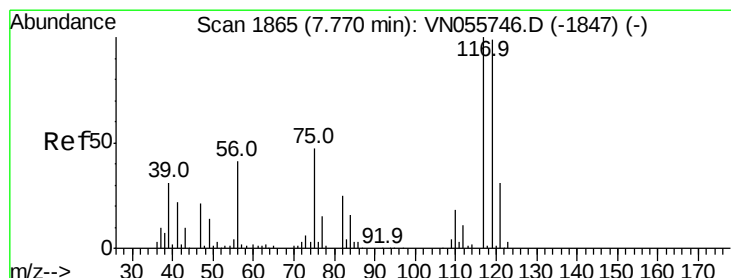
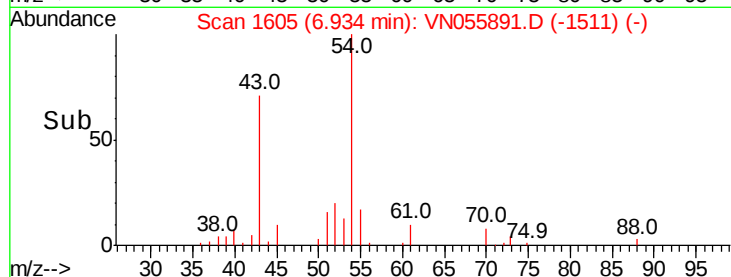
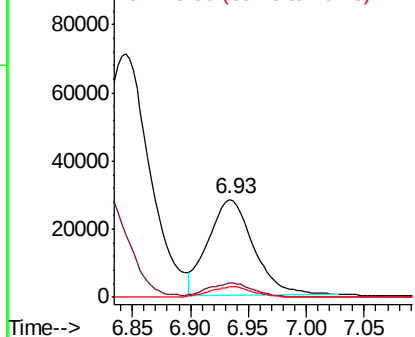
#37
Ethyl Acetate
Concen: 20.367 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 77502
Ion Ratio Lower Upper
43 100
61 15.0 12.2 18.2
70 10.6 8.9 13.3

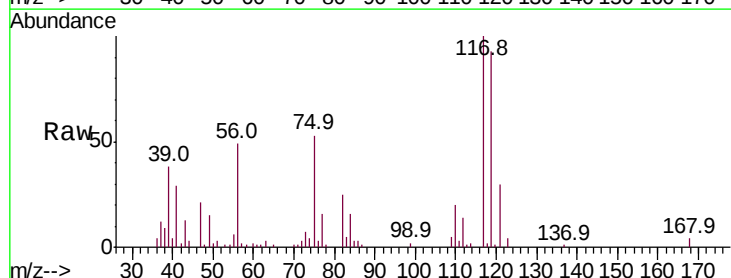


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

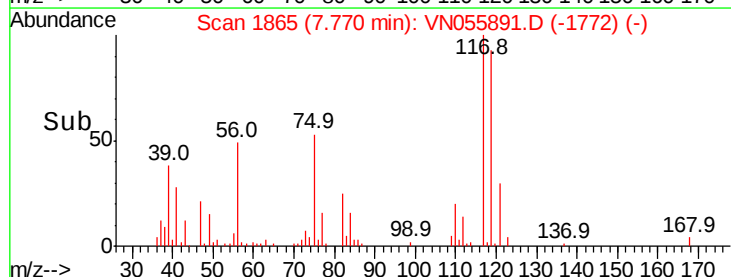
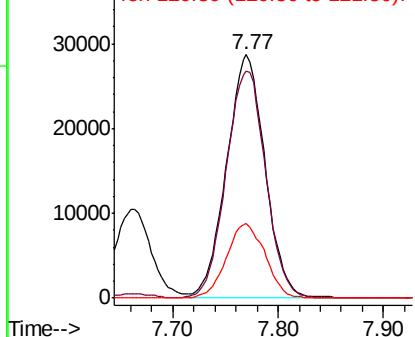


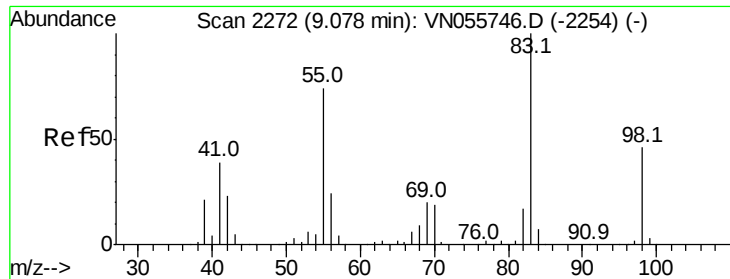
#38
Carbon Tetrachloride
Concen: 17.726 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion: 117 Resp: 72696
Ion Ratio Lower Upper
117 100
119 93.3 79.0 118.6
121 30.4 24.7 37.1



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

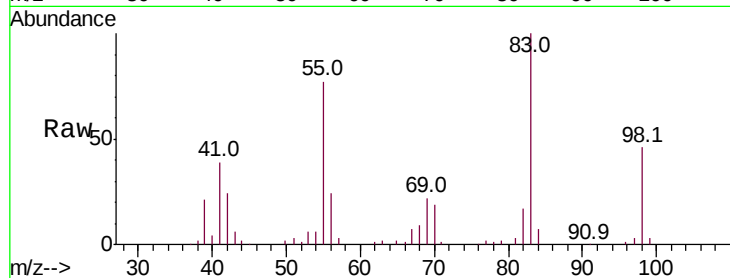




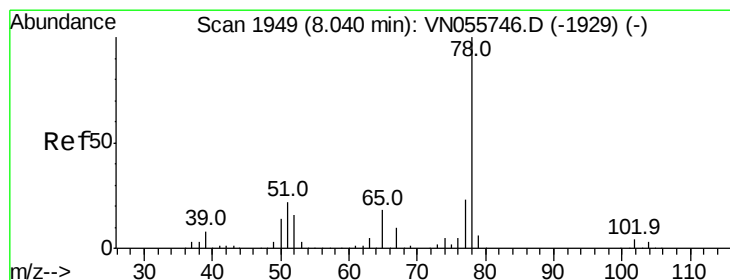
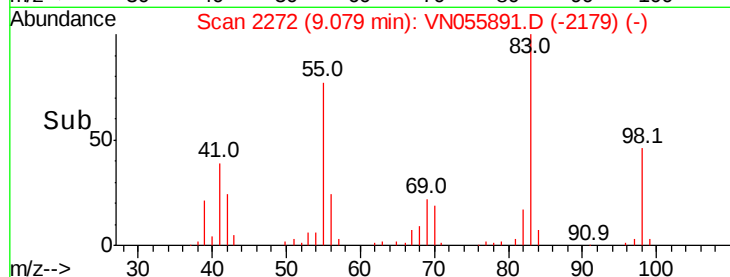
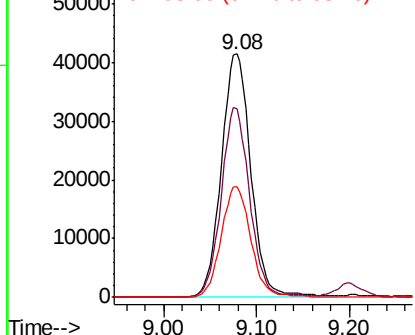
#39
Methvlcvclohexane
Concen: 18.812 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 91717
Ion Ratio Lower Upper
83 100
55 77.3 59.3 88.9
98 45.5 36.6 54.8

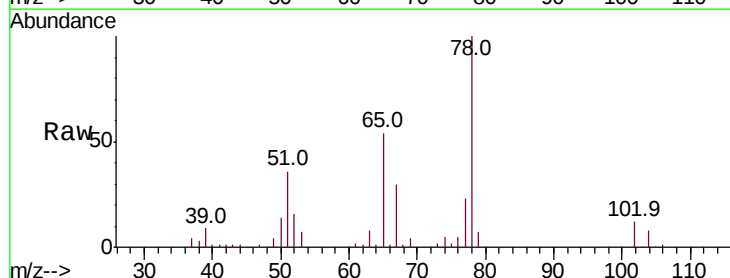


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

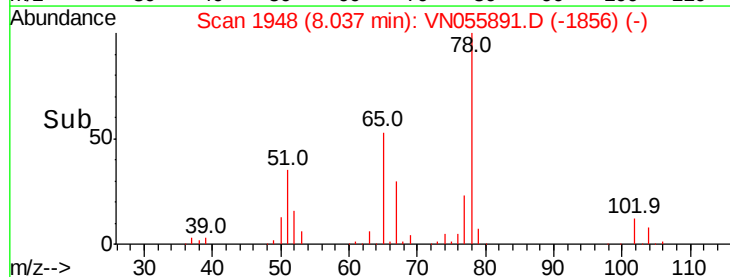
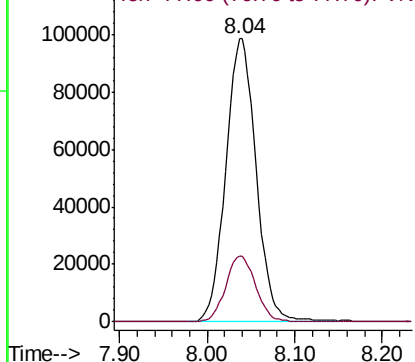


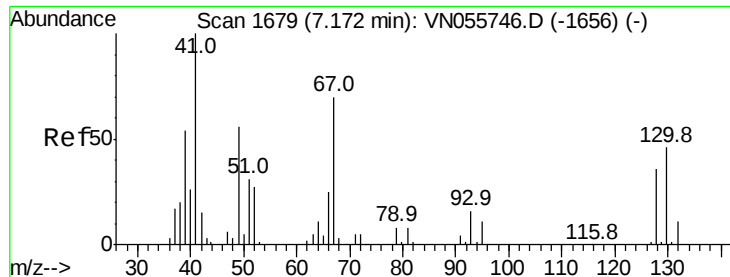
#40
Benzene
Concen: 20.000 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion: 78 Resp: 237313
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 17.660 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

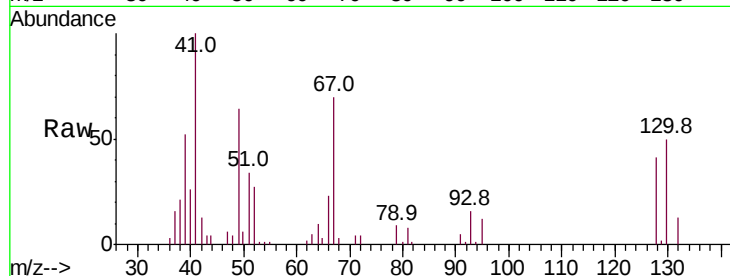
Lab File: VN055891.D

Acq: 30 May 2019 11:18

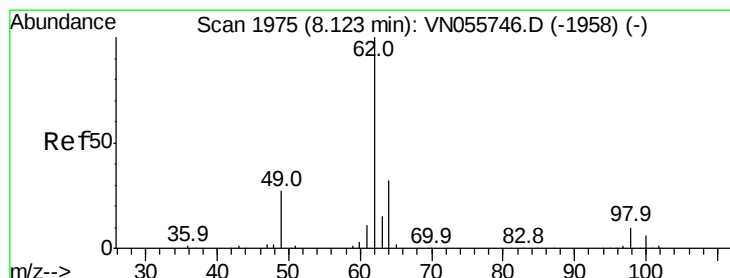
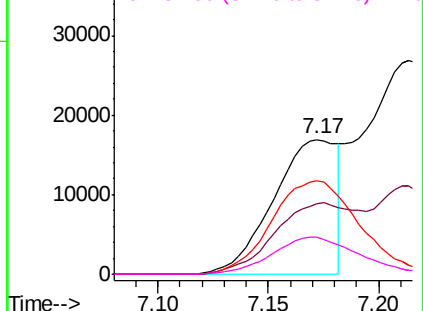
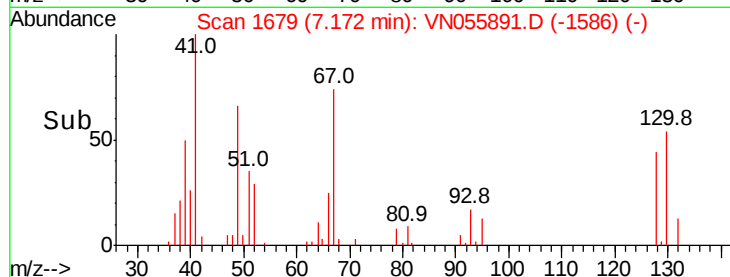
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 33951

Ion	Ratio	Lower	Upper
41	100		
39	70.5	45.6	68.4#
67	96.2	67.7	101.5
52	37.9	26.6	40.0



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



#42

1,2-Dichloroethane

Concen: 20.631 ug/l

RT: 8.12 min Scan# 1975

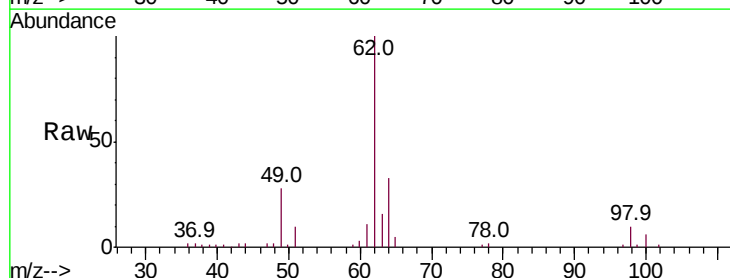
Delta R.T. 0.00 min

Lab File: VN055891.D

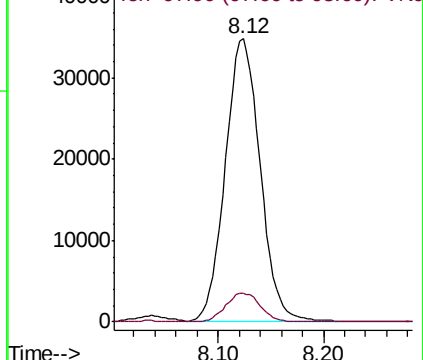
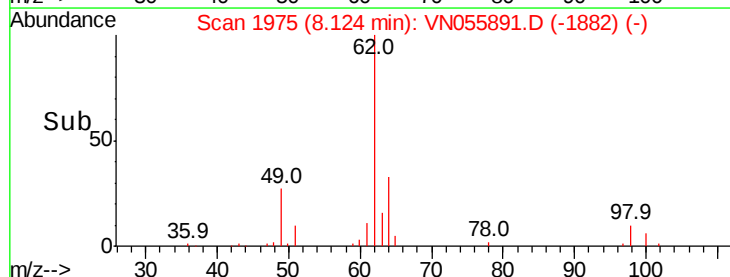
Acq: 30 May 2019 11:18

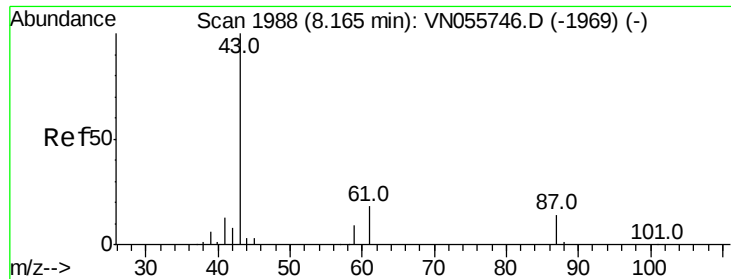
Tgt Ion: 62 Resp: 79995

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 19.751 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

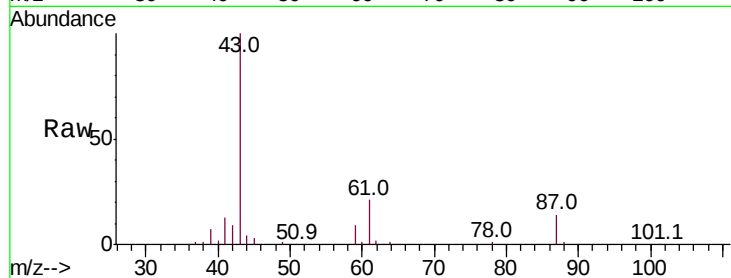
Tot Ion: 43 Resp: 126278

Ion Ratio Lower Upper

43 100

61 21.7 22.2 33.4#

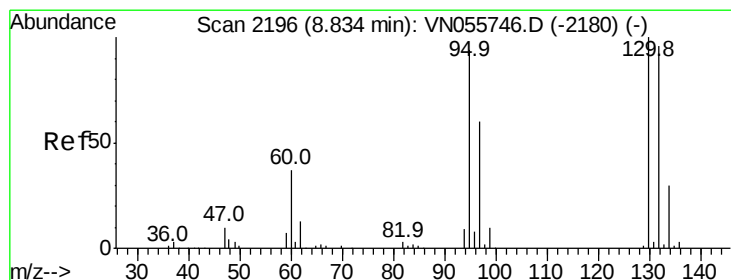
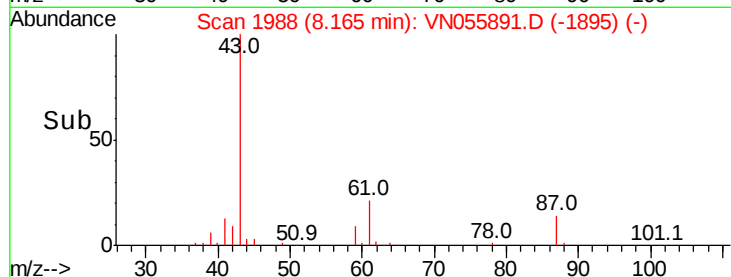
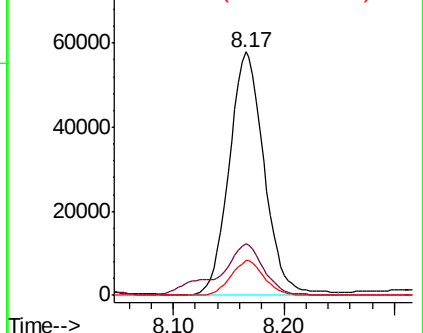
87 13.7 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055891.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN055891.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN055891.D (-2103) (-)



#44

Trichloroethene

Concen: 19.444 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055891.D

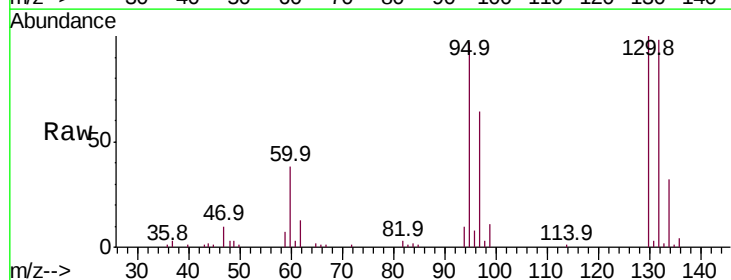
Acq: 30 May 2019 11:18

Tgt Ion:130 Resp: 64321

Ion Ratio Lower Upper

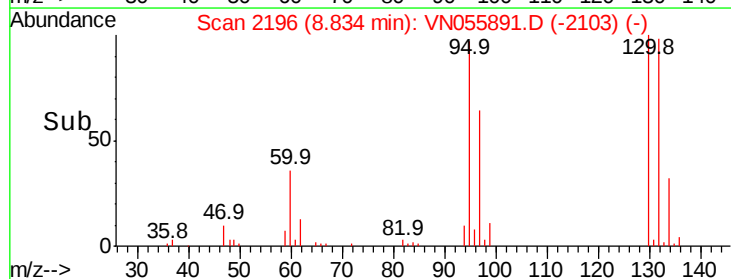
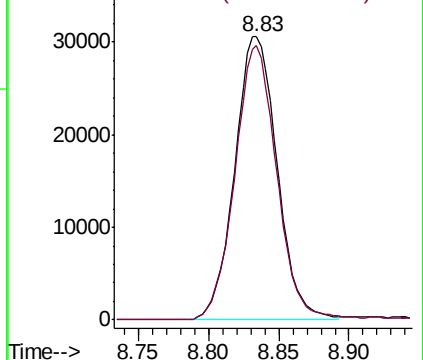
130 100

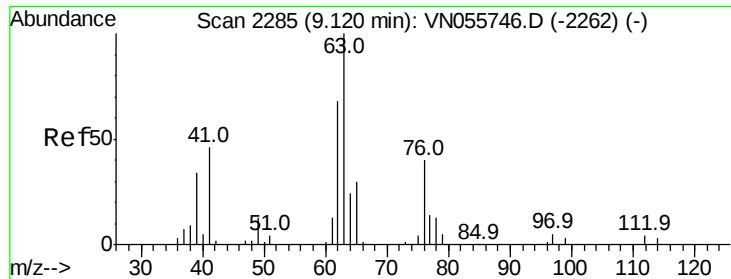
95 97.1 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055891.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055891.D (-2103) (-)

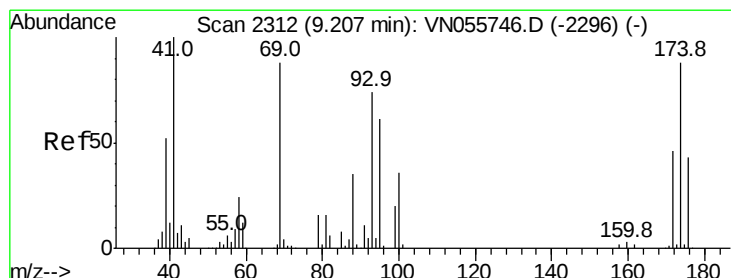
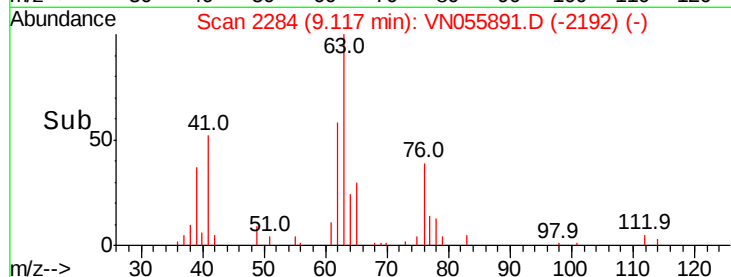
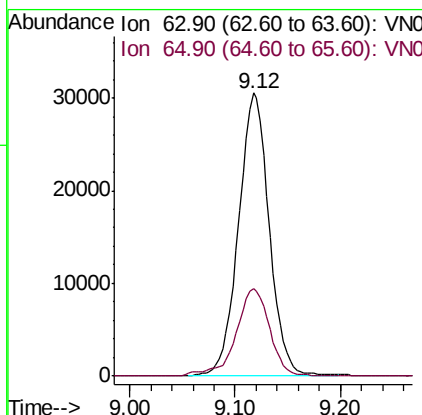
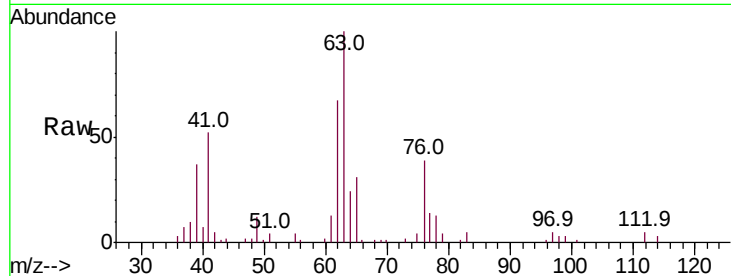




#45
1,2-Dichloropropane
Concen: 20.010 ug/l
RT: 9.12 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

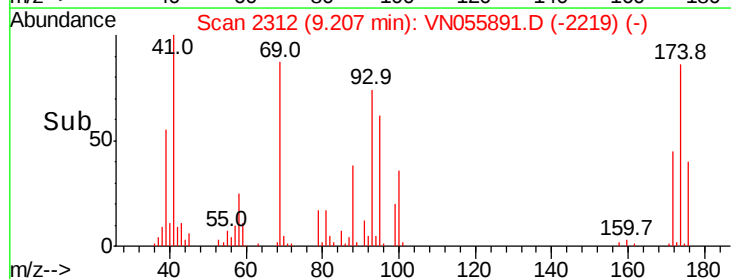
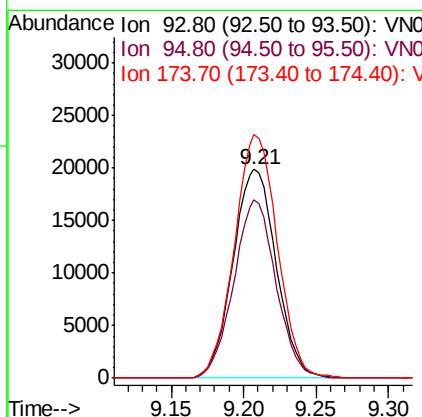
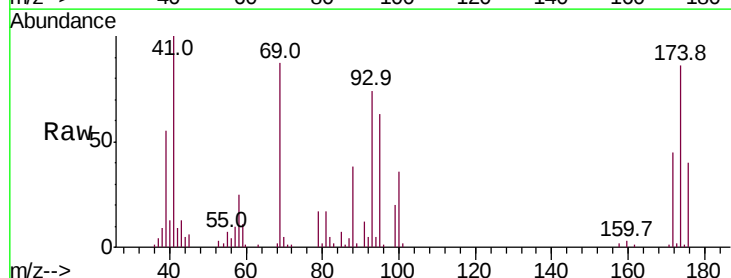
Instrument :
MSVOA_N
ClientSampleId :

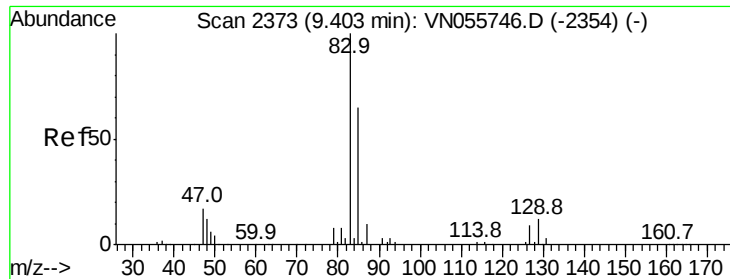
Tot Ion: 63 Resp: 61861
Ion Ratio Lower Upper
63 100
65 31.0 24.6 36.8



#46
Dibromomethane
Concen: 20.293 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion: 93 Resp: 41145
Ion Ratio Lower Upper
93 100
95 83.1 66.7 100.1
174 116.3 96.4 144.6





#47

Bromodichloromethane

Concen: 18.691 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :

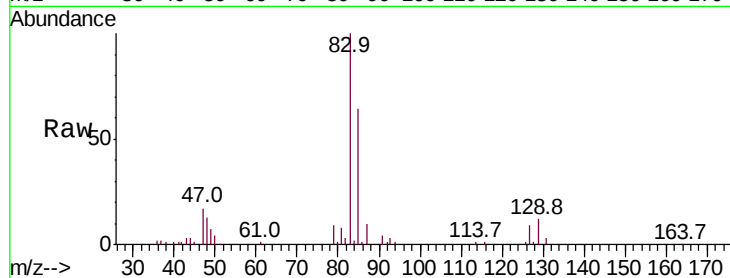
Tot Ion: 83 Resp: 77705

Ion Ratio Lower Upper

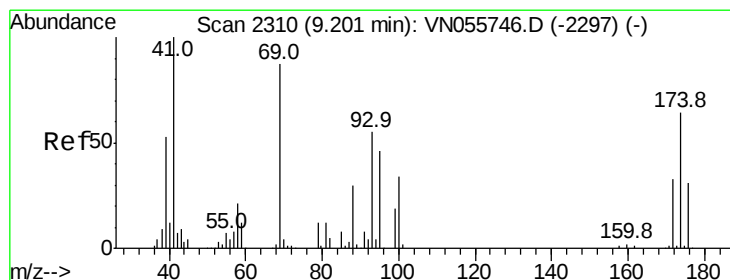
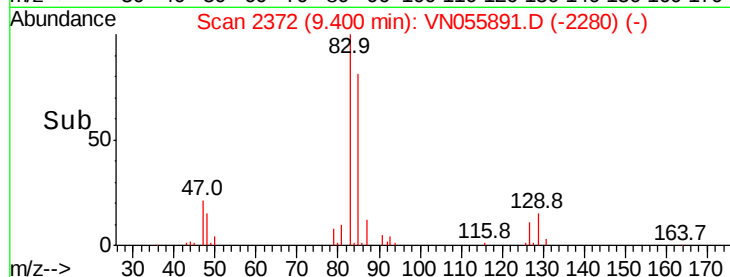
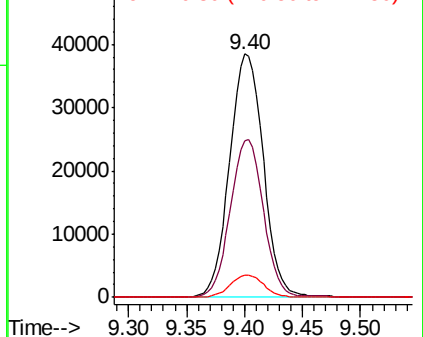
83 100

85 64.4 52.2 78.2

127 8.9 7.4 11.0



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



#48

Methyl methacrylate

Concen: 20.608 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

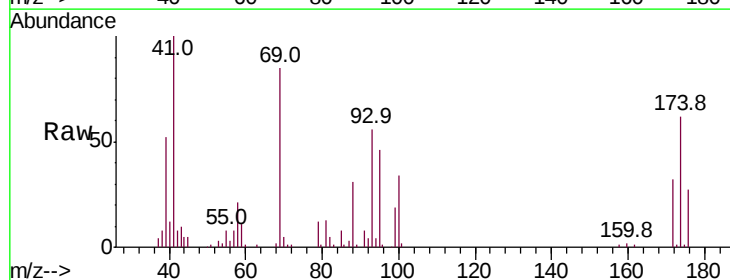
Tgt Ion: 41 Resp: 60725

Ion Ratio Lower Upper

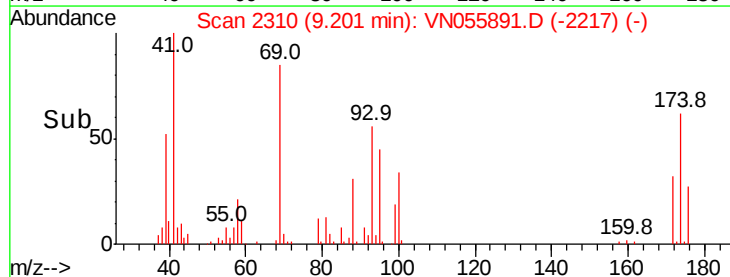
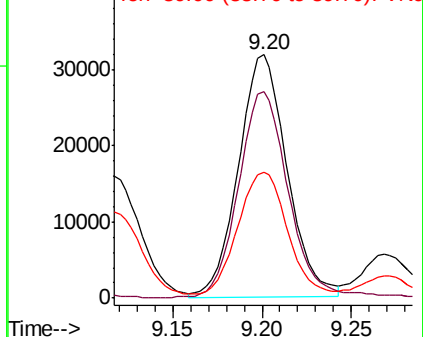
41 100

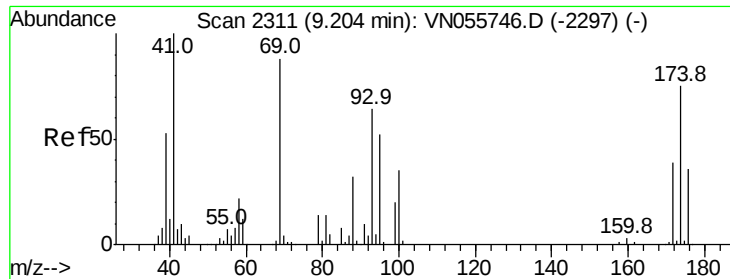
69 88.4 71.0 106.6

39 53.4 44.2 66.2



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





#49

1,4-Dioxane

Concen: 412.390 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :

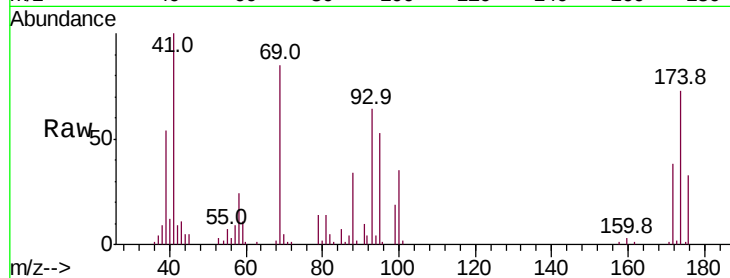
Tot Ion: 88 Resp: 25252

Ion Ratio Lower Upper

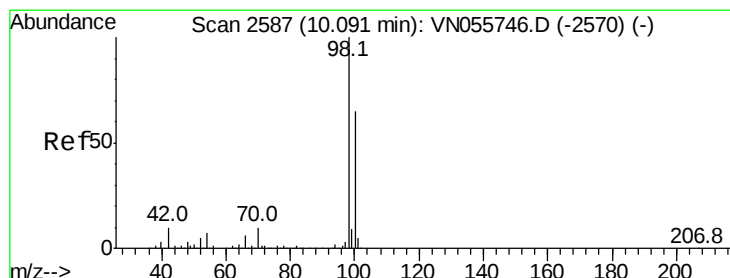
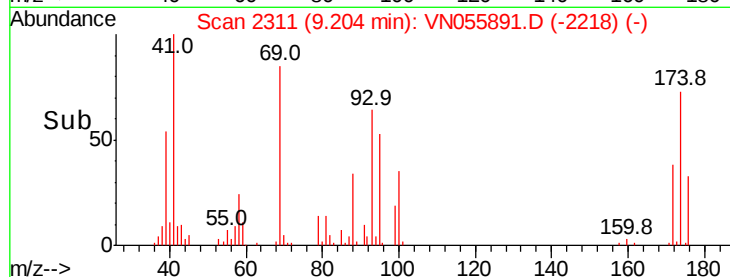
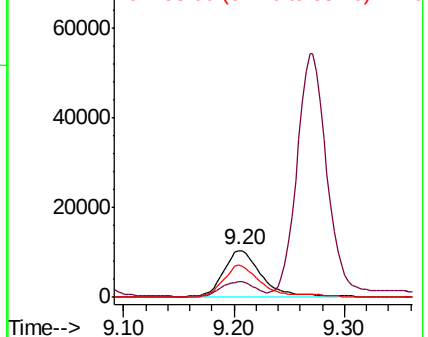
88 100

43 28.3 20.5 30.7

58 64.1 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.081 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055891.D

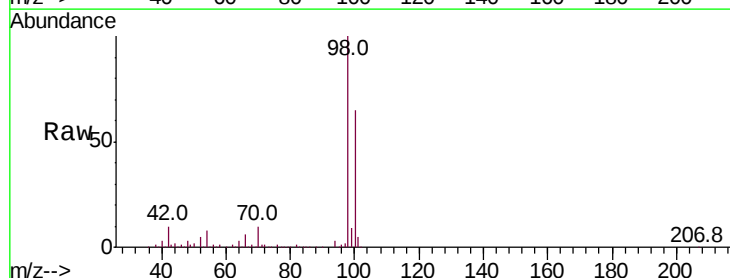
Acq: 30 May 2019 11:18

Tgt Ion: 98 Resp: 548733

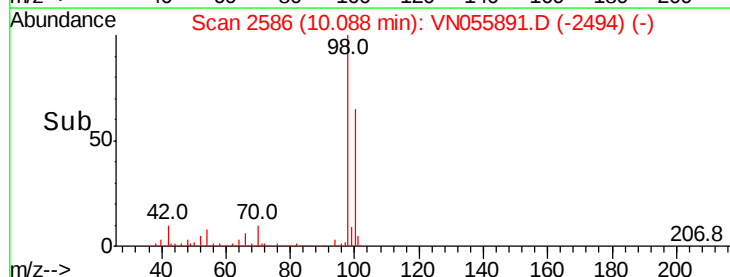
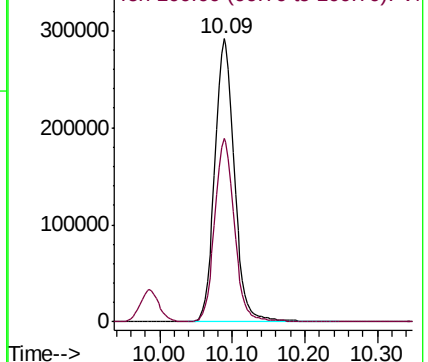
Ion Ratio Lower Upper

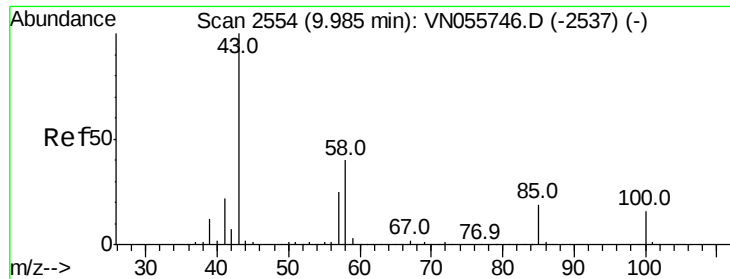
98 100

100 64.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 102.632 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

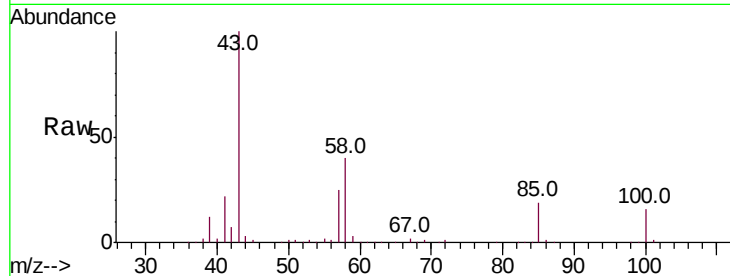
ClientSampled :

Tot Ion: 43 Resp: 387542

Ion Ratio Lower Upper

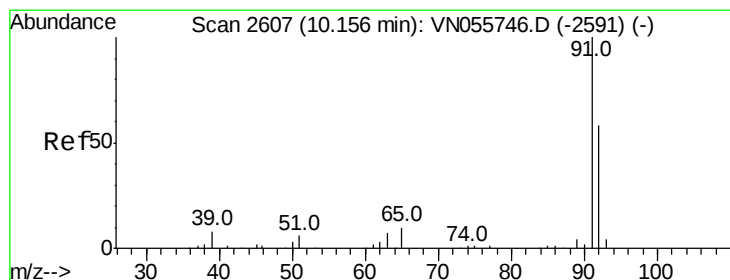
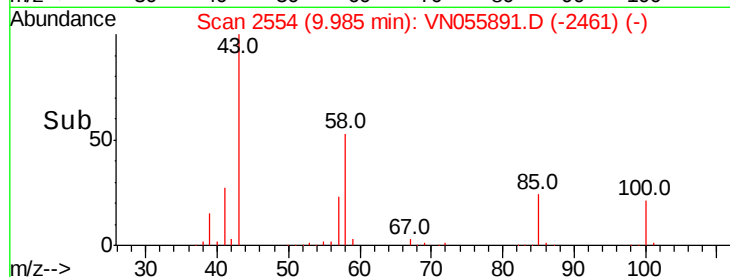
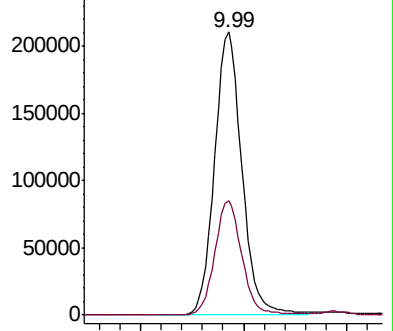
43 100

58 40.2 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.027 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055891.D

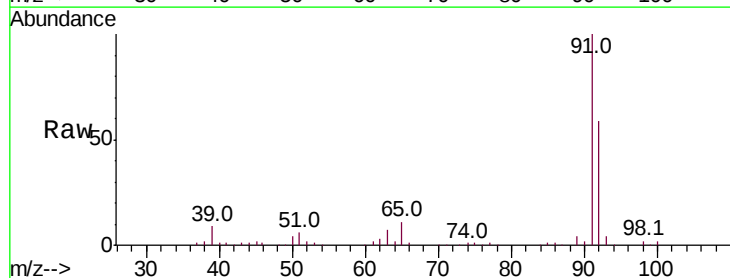
Acq: 30 May 2019 11:18

Tgt Ion: 92 Resp: 149460

Ion Ratio Lower Upper

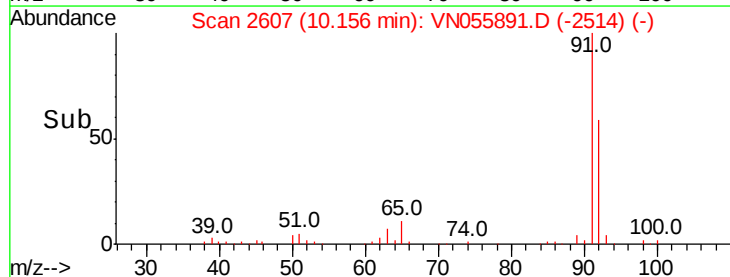
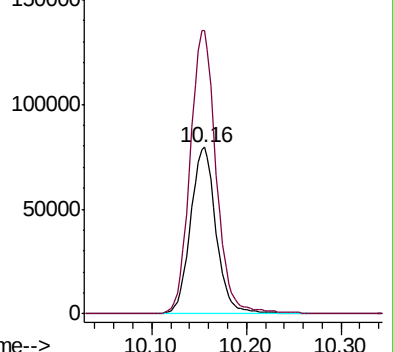
92 100

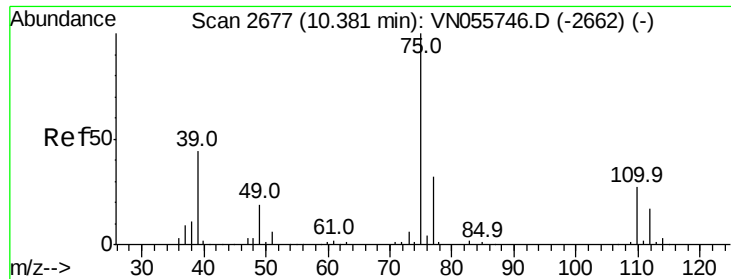
91 173.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 17.818 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

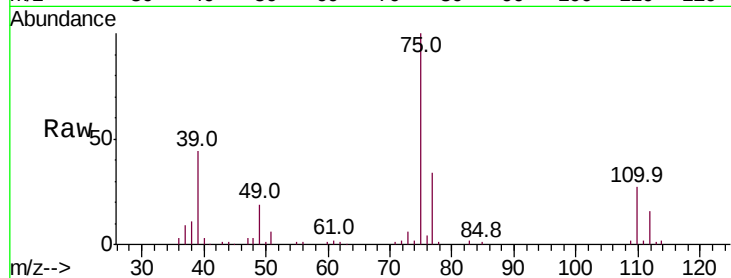
ClientSampleId :

Tot Ion: 75 Resp: 79070

Ion Ratio Lower Upper

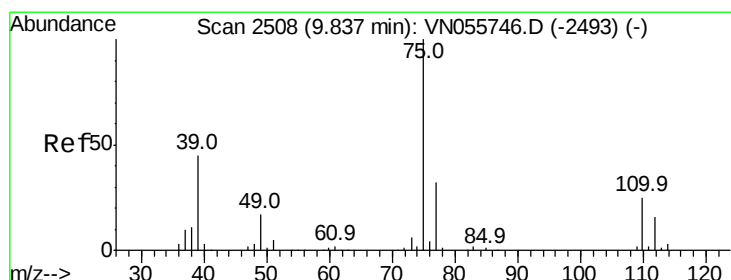
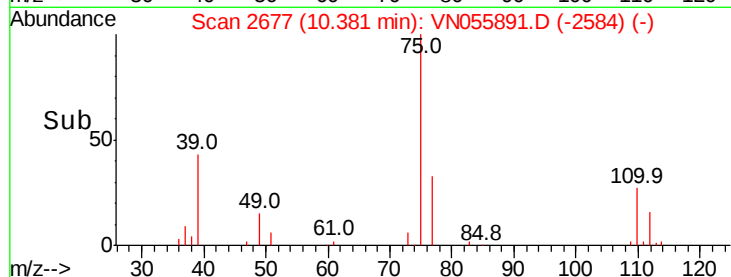
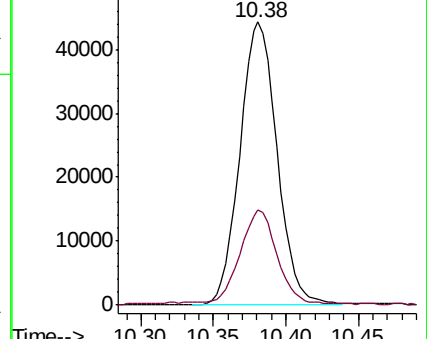
75 100

77 33.3 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.696 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

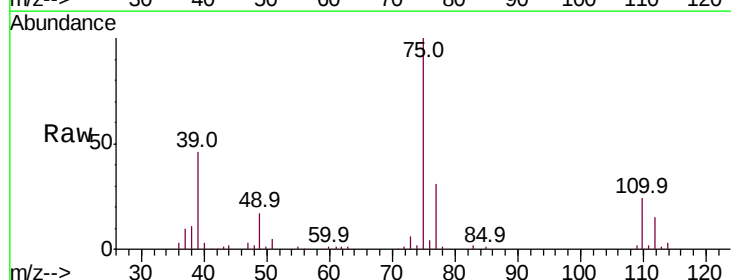
Tgt Ion: 75 Resp: 91913

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

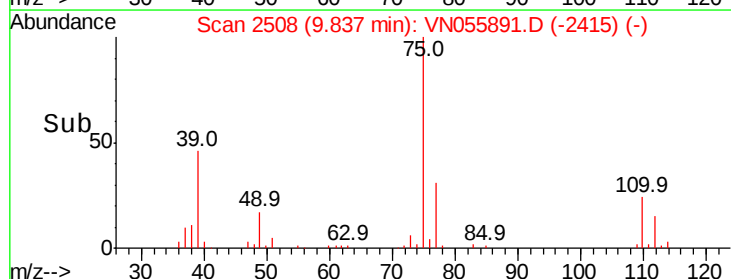
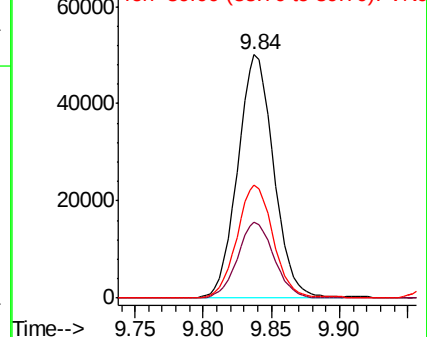
39 46.4 36.3 54.5

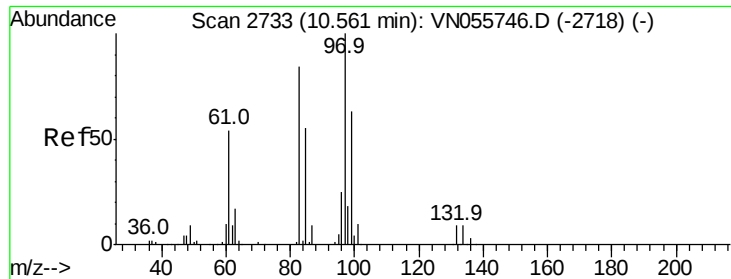


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

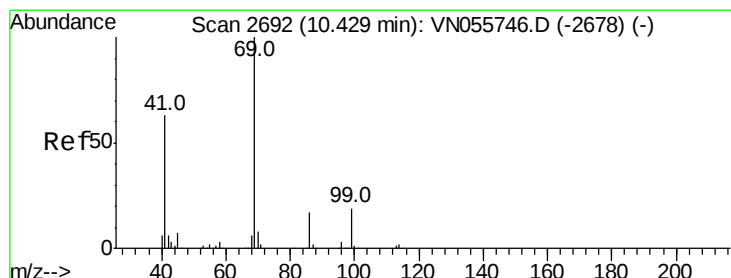
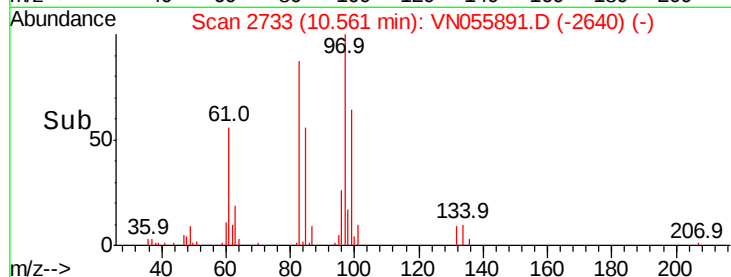
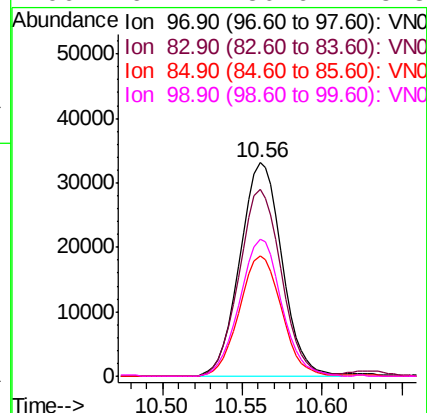
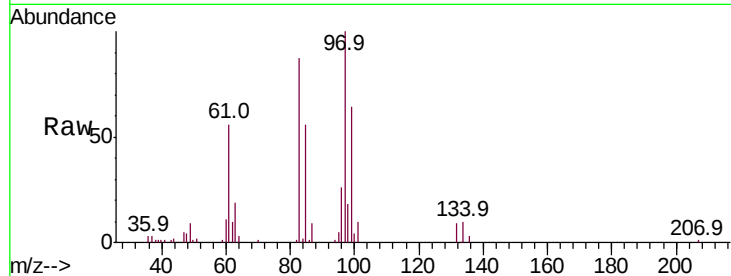




#55
 1,1,2-Trichloroethane
 Concen: 19.931 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

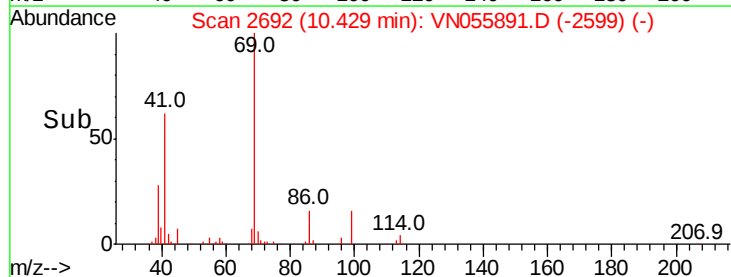
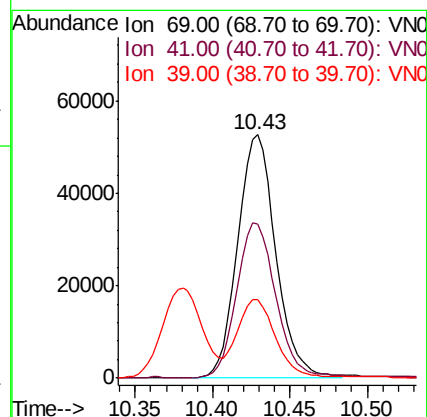
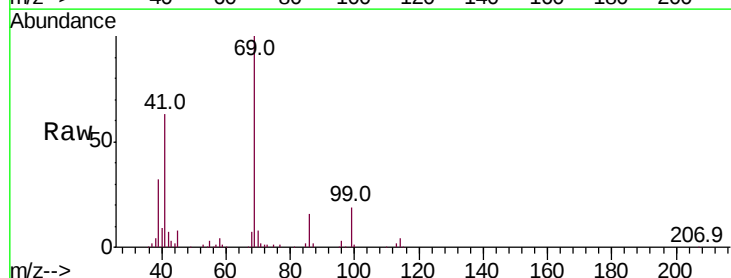
Instrument :
 MSVOA_N
 ClientSampleId :

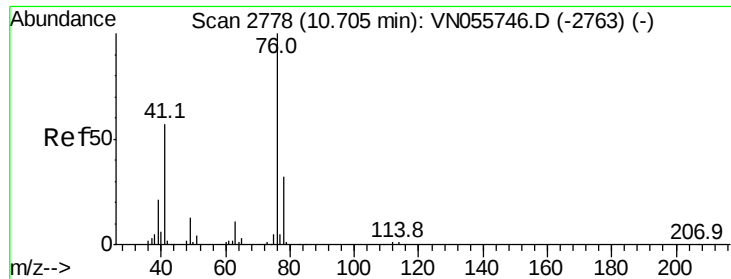
Tot Ion:	97	Resp:	59588
Ion	Ratio	Lower	Upper
97	100		
83	87.4	67.0	100.6
85	56.1	44.0	66.0
99	64.2	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 19.573 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion:	69	Resp:	90435
Ion	Ratio	Lower	Upper
69	100		
41	64.7	49.7	74.5
39	31.8	24.7	37.1





#57

1,3-Dichloropropane

Concen: 20.332 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

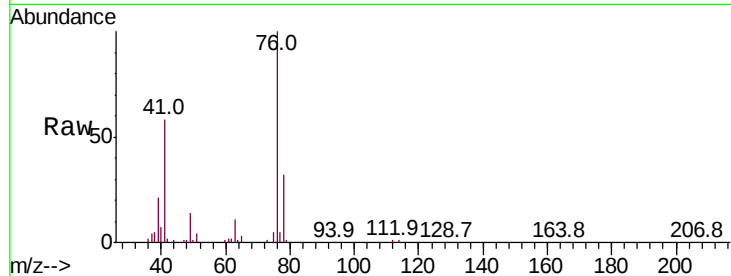
ClientSampled :

Tot Ion: 76 Resp: 98805

Ion Ratio Lower Upper

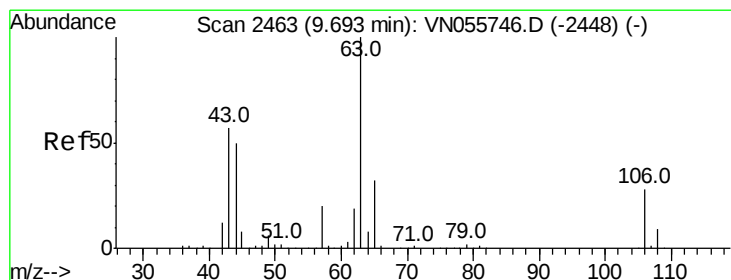
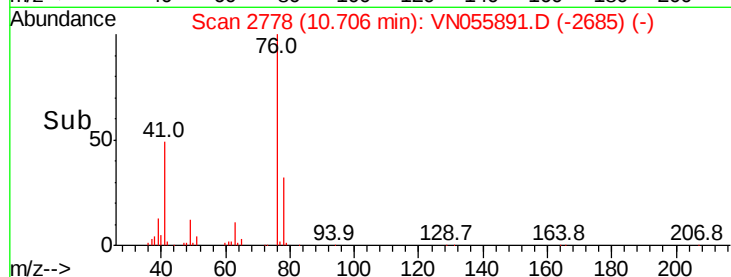
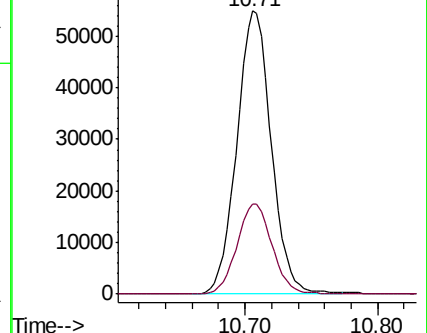
76 100

78 32.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN055891.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN055891.D (-2763) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 95.709 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055891.D

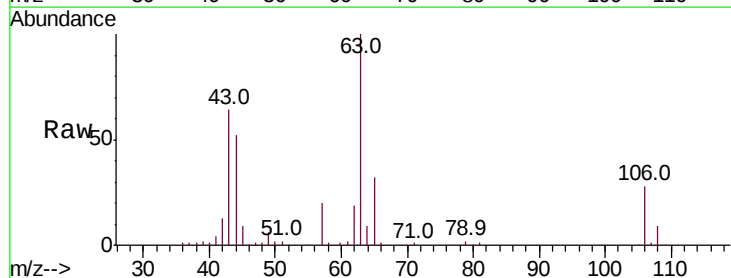
Acq: 30 May 2019 11:18

Tgt Ion: 63 Resp: 168999

Ion Ratio Lower Upper

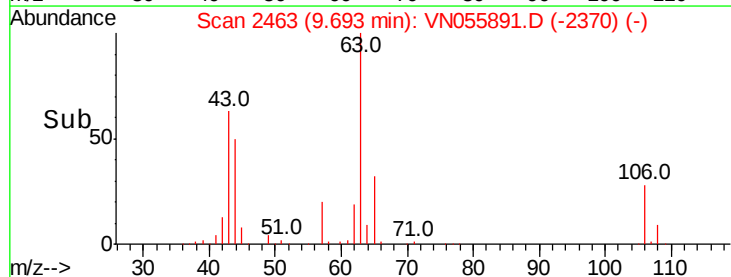
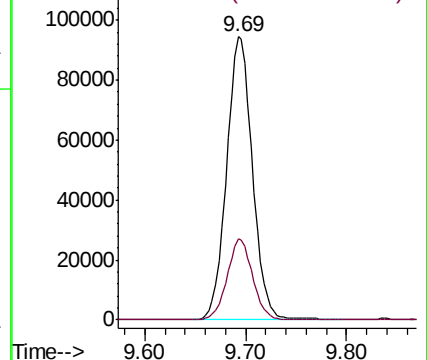
63 100

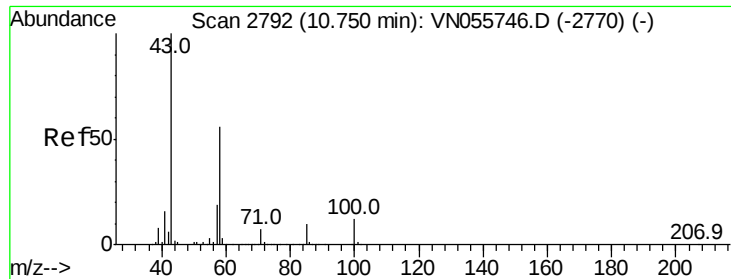
106 28.0 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN055891.D (-2370) (-)

Ion 105.90 (105.60 to 106.60): VN055891.D (-2370) (-)

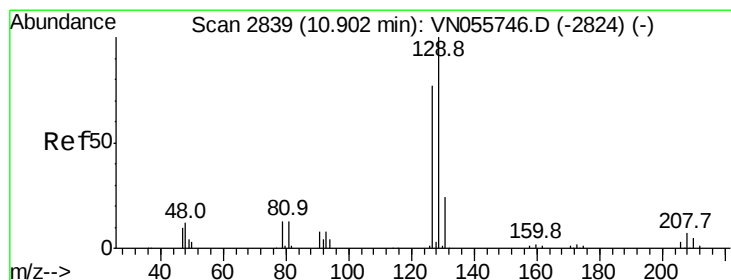
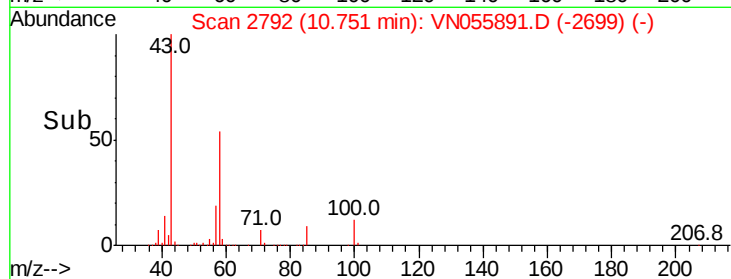
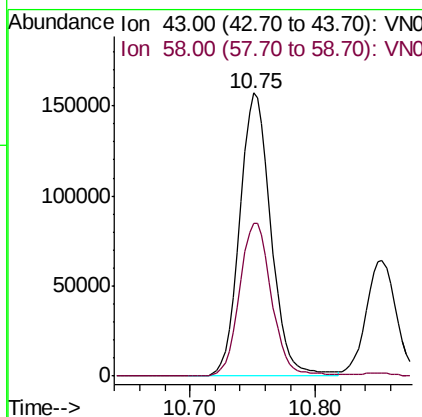
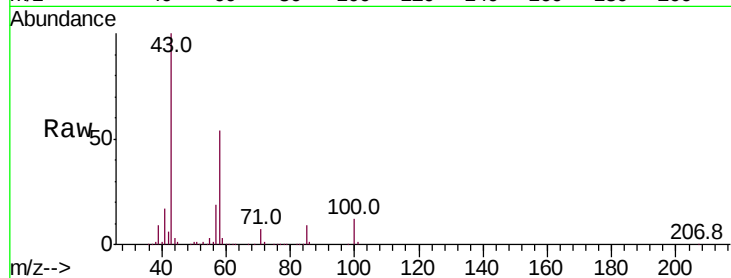




#59
2-Hexanone
Concen: 101.668 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

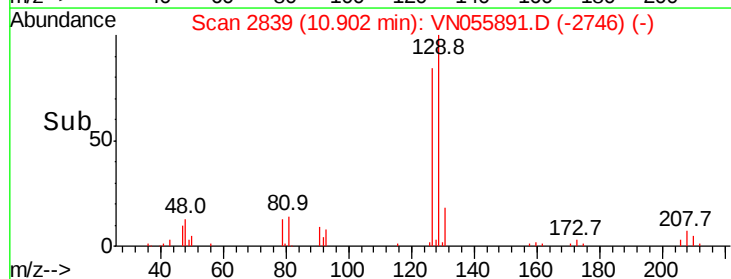
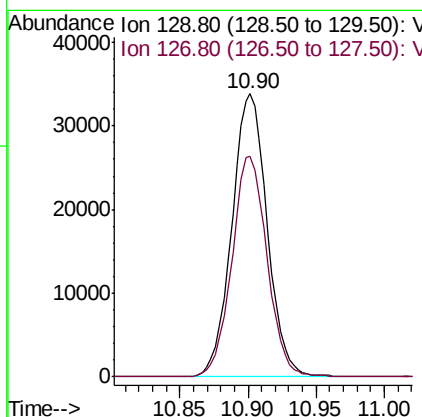
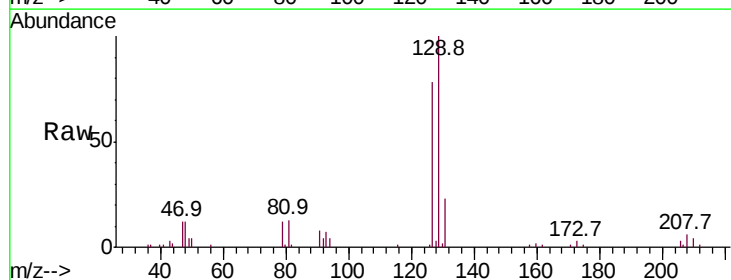
Instrument :
MSVOA_N
ClientSampleId :

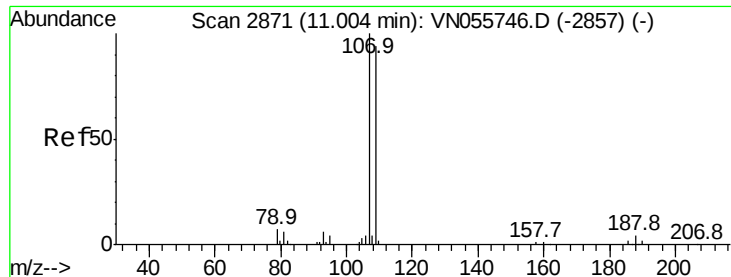
Tot Ion: 43 Resp: 272344
Ion Ratio Lower Upper
43 100
58 55.6 28.2 84.7



#60
Dibromochloromethane
Concen: 17.432 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion: 129 Resp: 60714
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.3

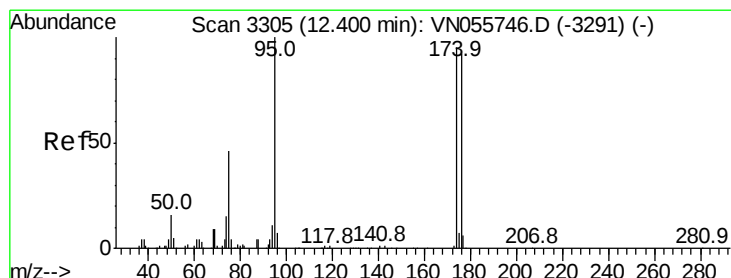
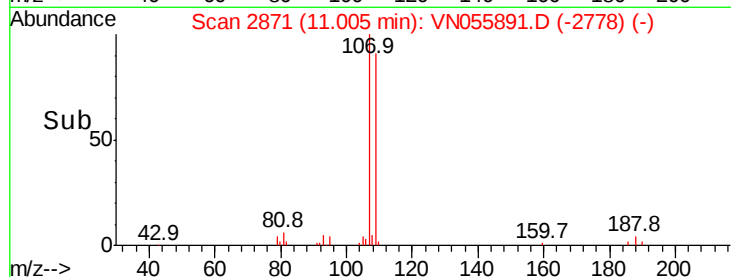
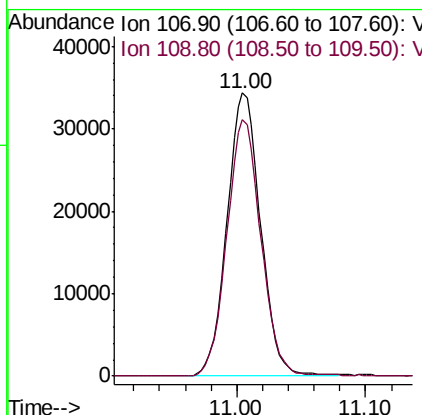
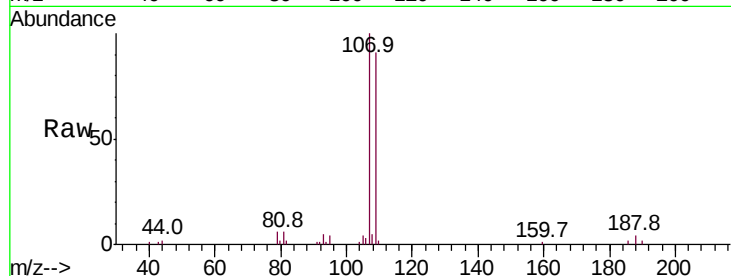




#61
 1,2-Dibromoethane
 Concen: 20.000 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

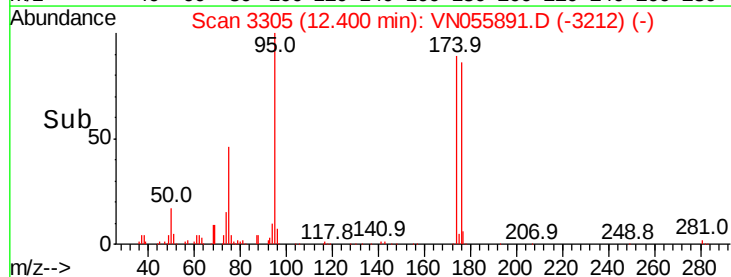
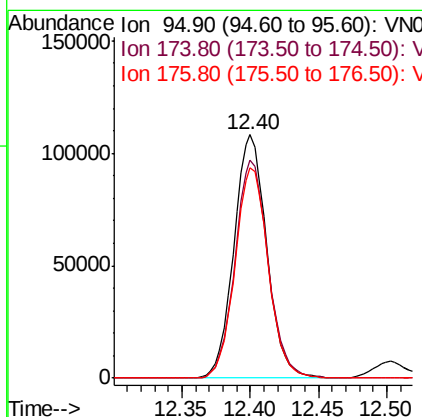
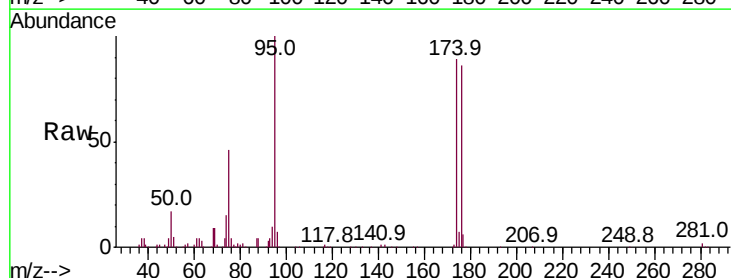
Instrument :
 MSVOA_N
 ClientSampleId :

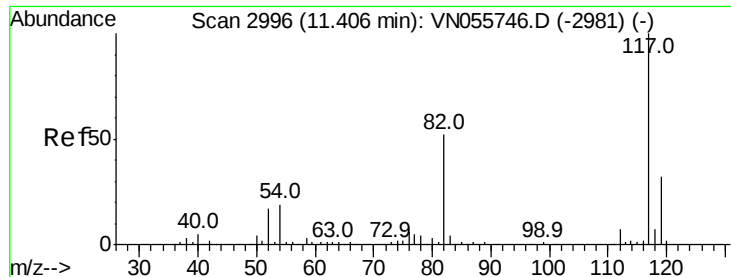
Tot Ion:107 Resp: 62022
 Ion Ratio Lower Upper
 107 100
 109 91.9 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 48.161 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion: 95 Resp: 180941
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 191.0
 176 87.3 0.0 185.2

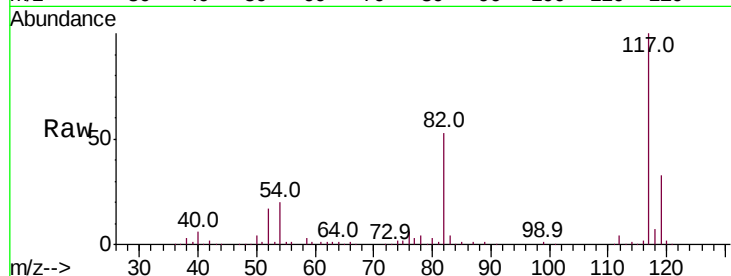




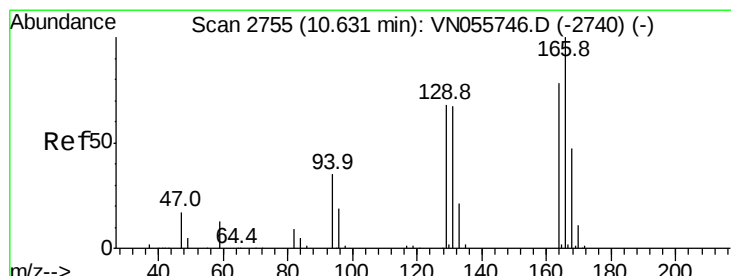
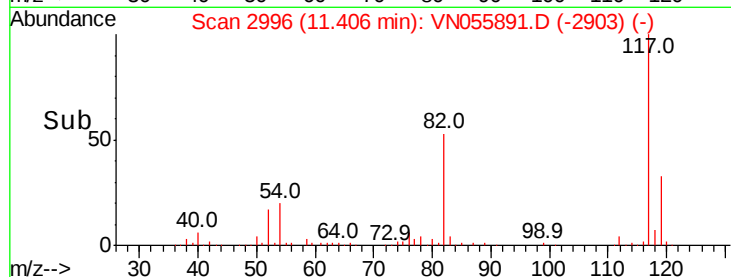
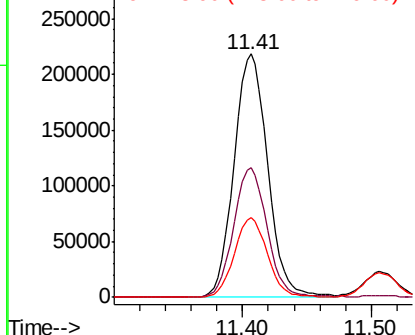
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 397161
Ion Ratio Lower Upper
117 100
82 53.2 41.8 62.8
119 32.8 25.4 38.0

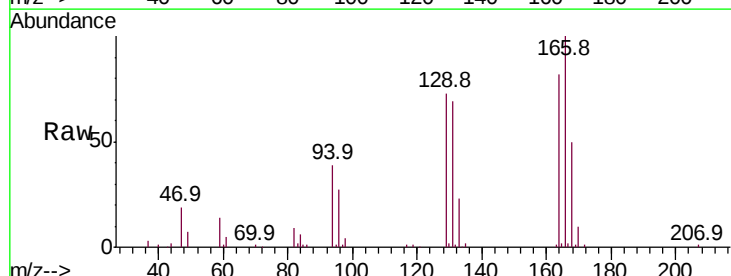


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

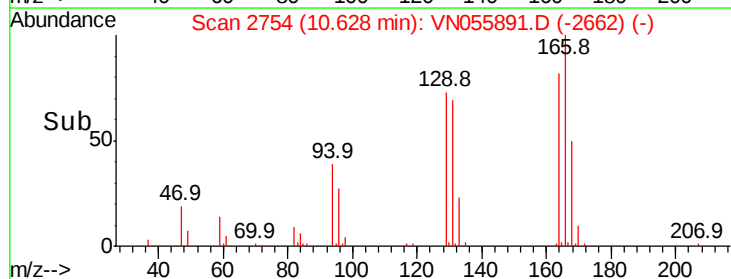
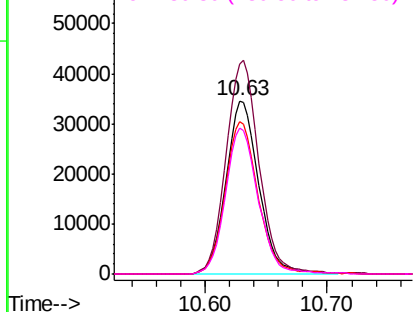


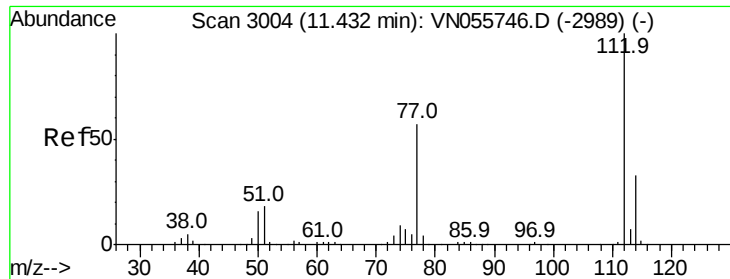
#64
Tetrachloroethene
Concen: 19.322 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion:164 Resp: 64725
Ion Ratio Lower Upper
164 100
166 121.7 103.0 154.6
129 88.3 70.6 105.8
131 84.2 68.6 102.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

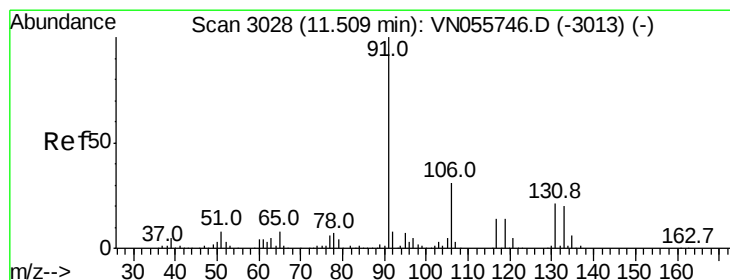
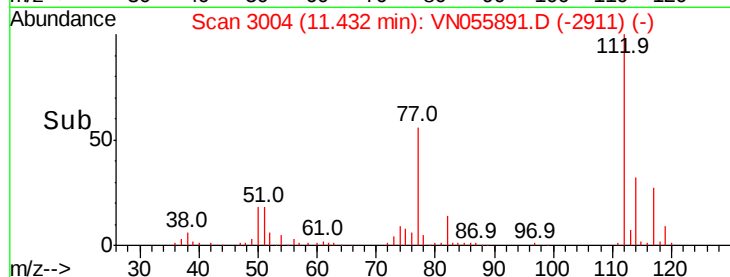
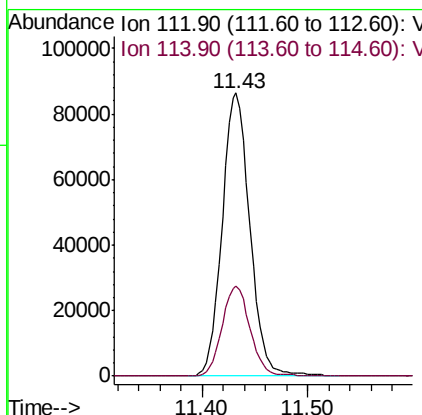
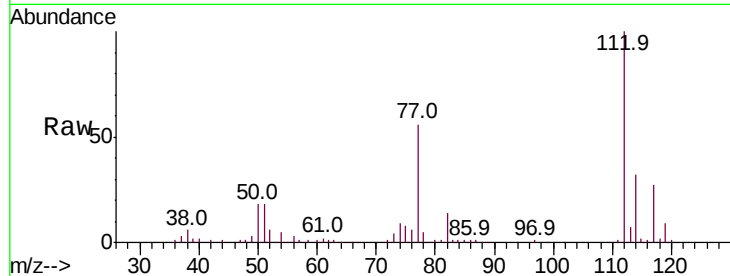




#65
Chlorobenzene
Concen: 19.755 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

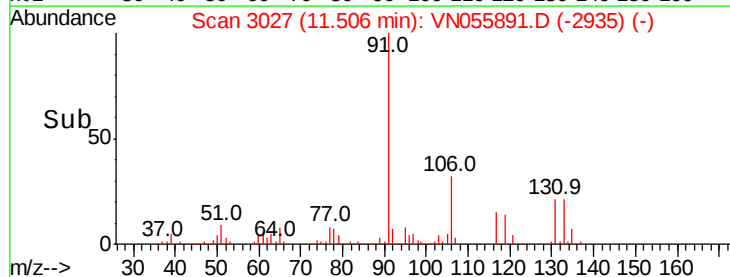
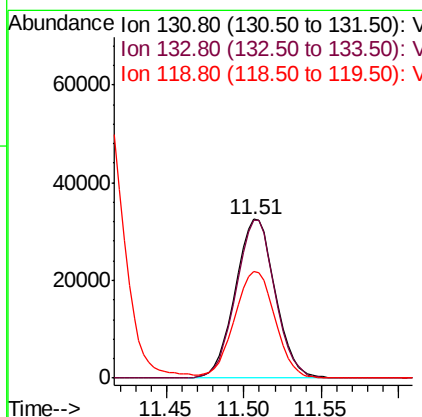
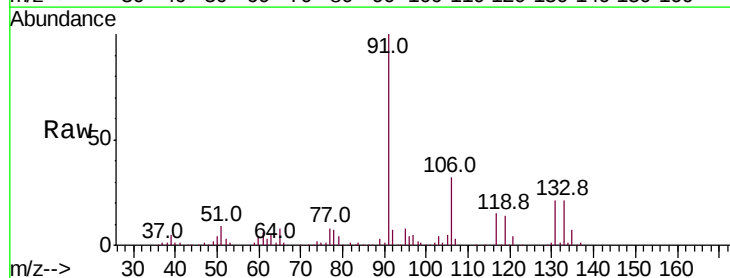
Instrument :
MSVOA_N
ClientSampled :

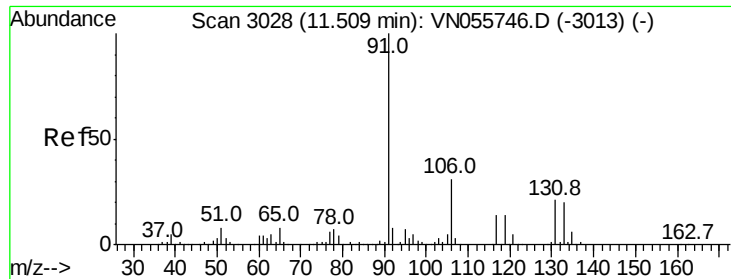
Tot Ion:112 Resp: 157068
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.441 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion:131 Resp: 58476
Ion Ratio Lower Upper
131 100
133 97.3 48.0 144.0
119 68.1 33.1 99.5





#67

Ethyl Benzene

Concen: 19.670 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

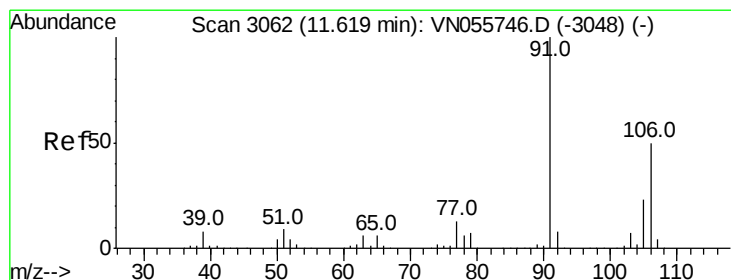
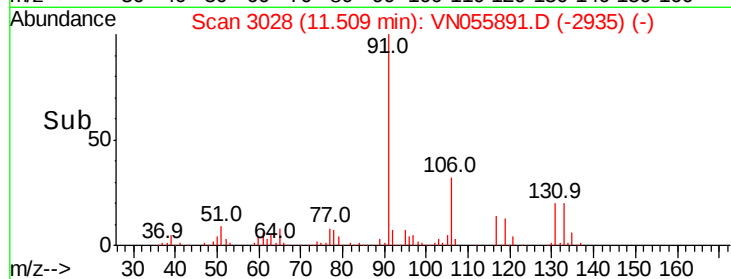
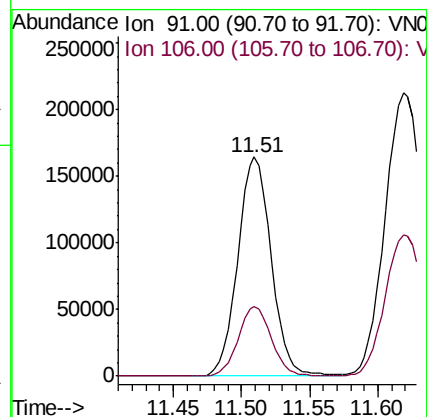
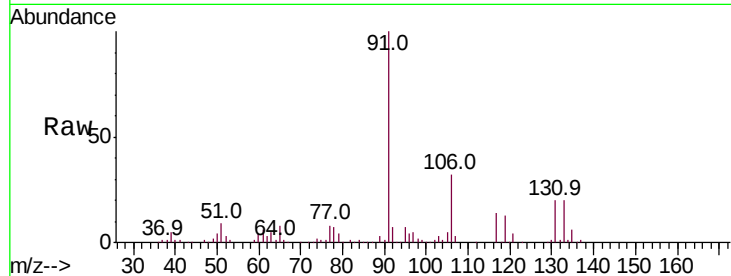
ClientSampled :

Tot Ion: 91 Resp: 280453

Ion Ratio Lower Upper

91 100

106 31.8 25.1 37.7



#68

m/p-Xylenes

Concen: 39.286 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055891.D

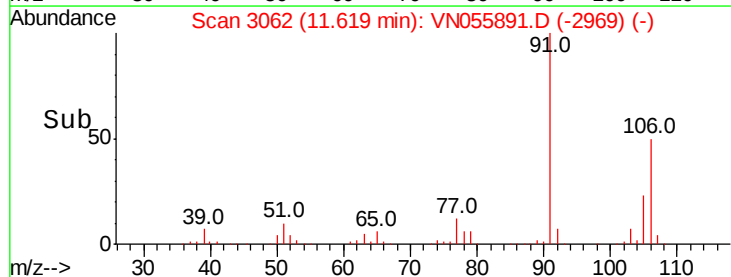
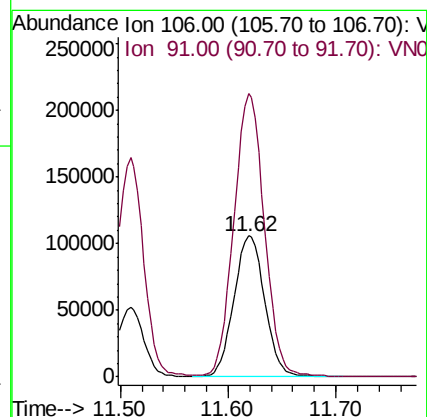
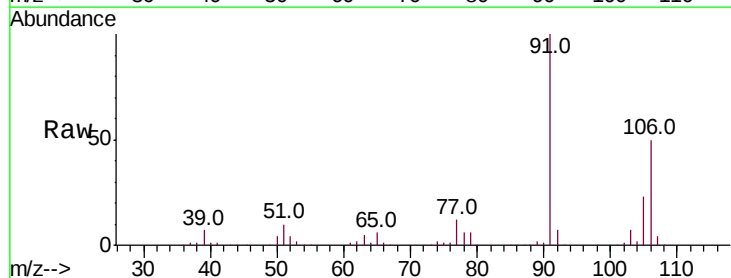
Acq: 30 May 2019 11:18

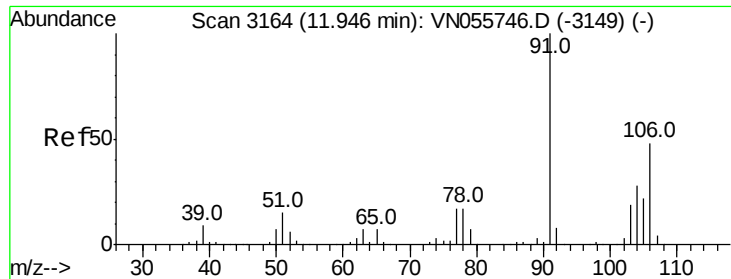
Tgt Ion: 106 Resp: 211760

Ion Ratio Lower Upper

106 100

91 198.6 159.3 238.9

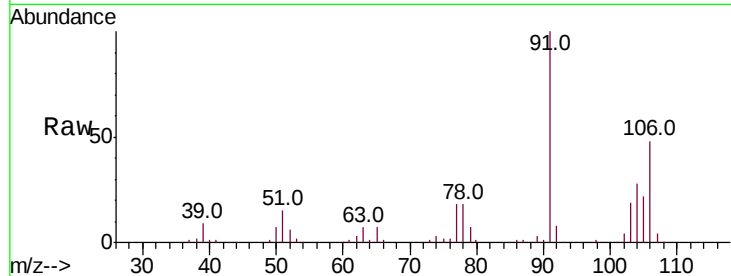




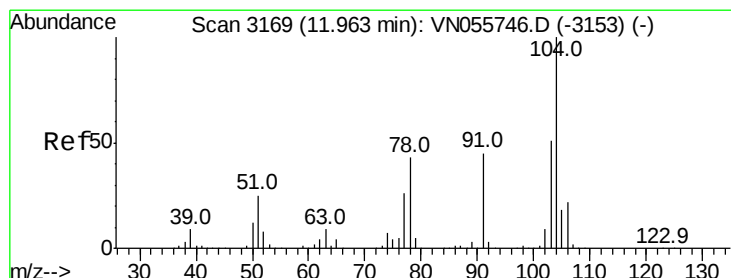
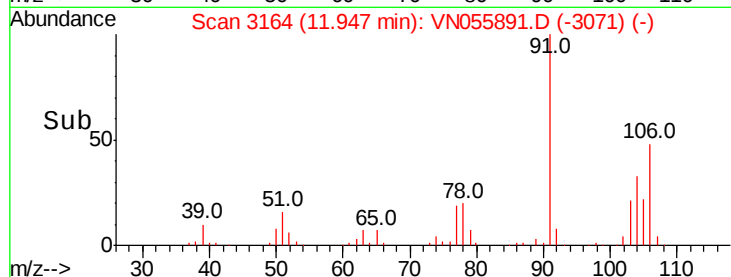
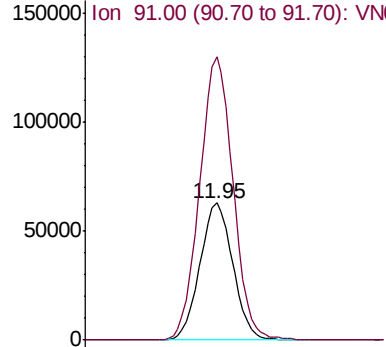
#69
o-Xylene
Concen: 19.816 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 105972
Ion Ratio Lower Upper
106 100
91 208.4 104.7 314.1

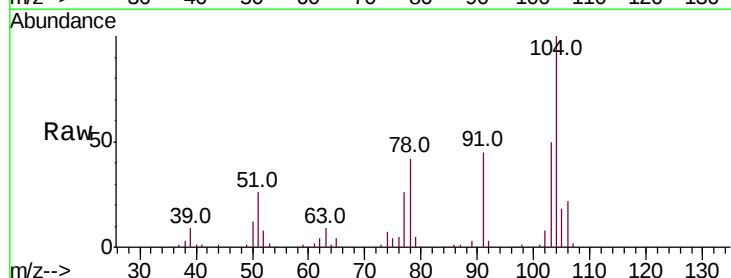


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

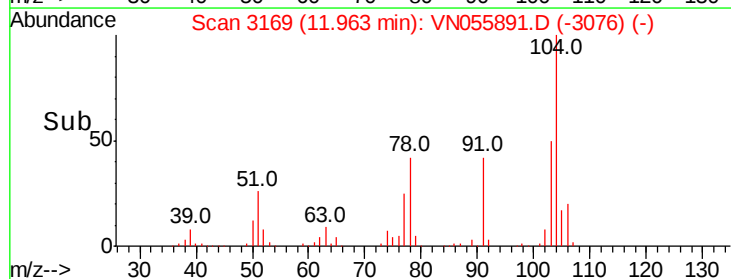
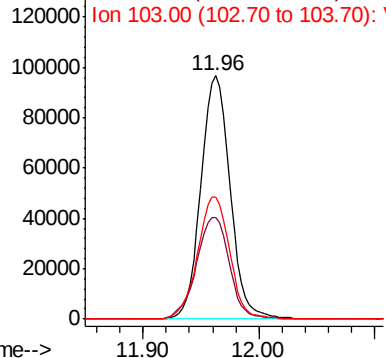


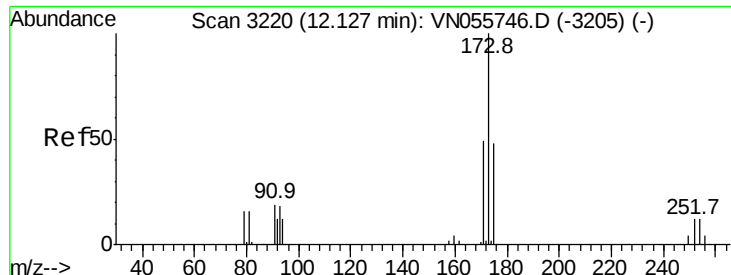
#70
Styrene
Concen: 19.491 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion:104 Resp: 168796
Ion Ratio Lower Upper
104 100
78 47.3 37.8 56.6
103 55.2 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 15.577 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

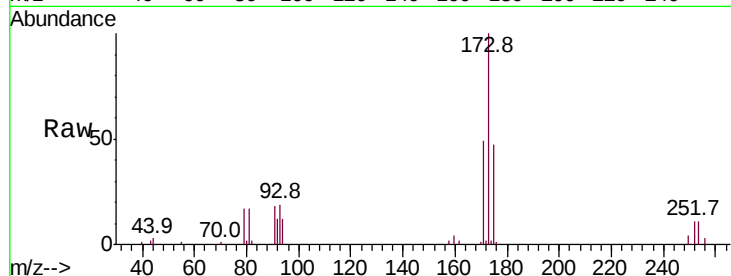
Tot Ion:173 Resp: 42132

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.8

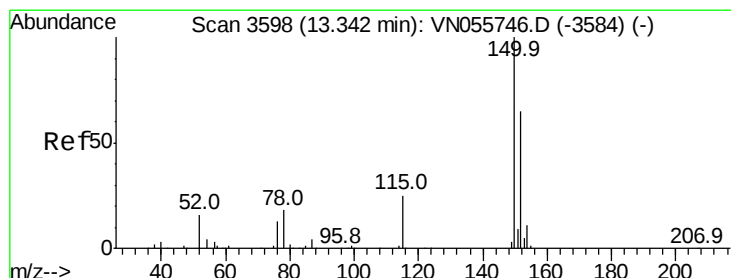
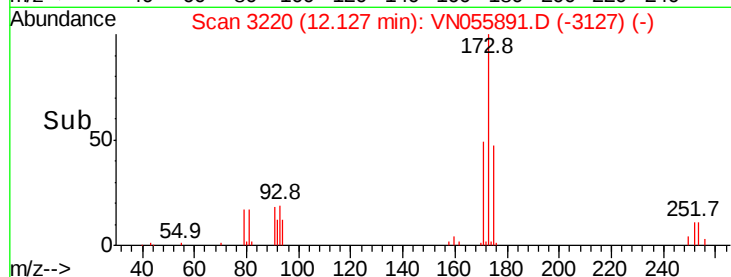
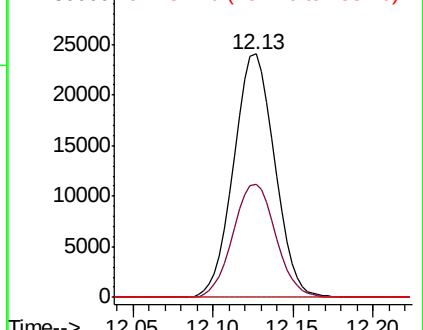
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

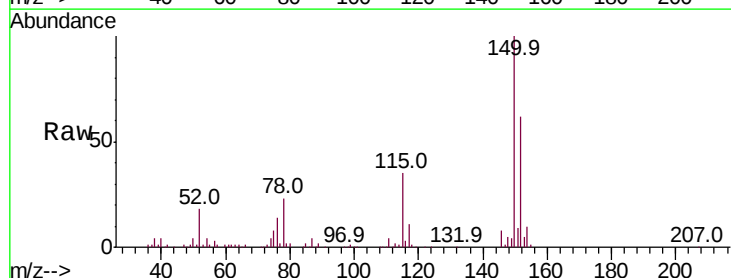
Tgt Ion:152 Resp: 155696

Ion Ratio Lower Upper

152 100

115 55.7 27.0 81.0

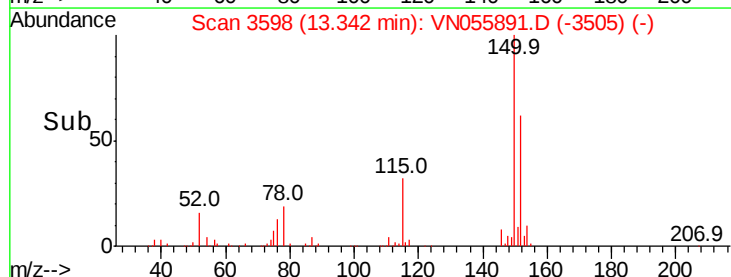
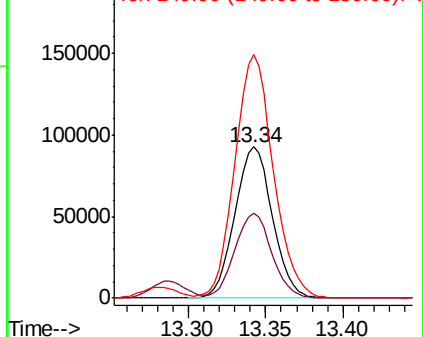
150 165.4 0.0 343.2

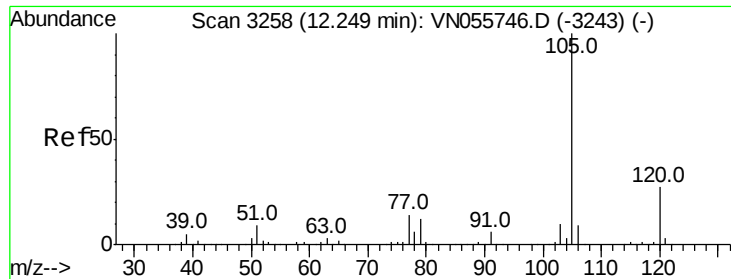


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.661 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

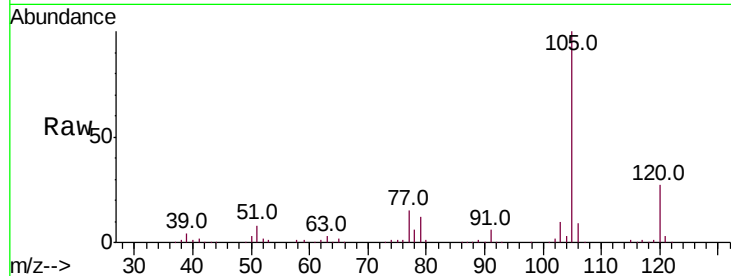
ClientSampled :

Tot Ion:105 Resp: 277616

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

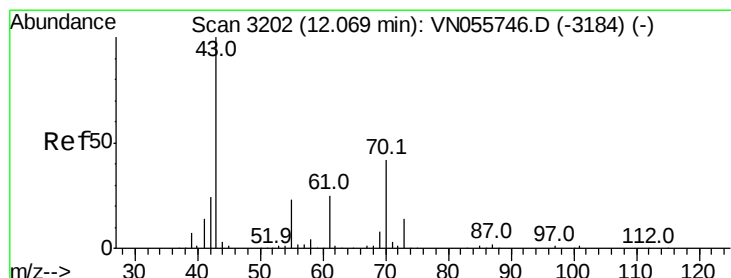
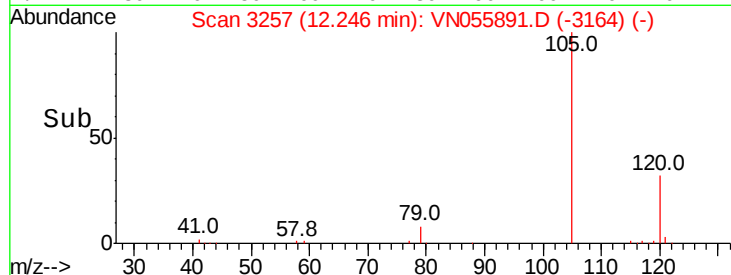
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 21.642 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Tgt Ion: 43 Resp: 96692

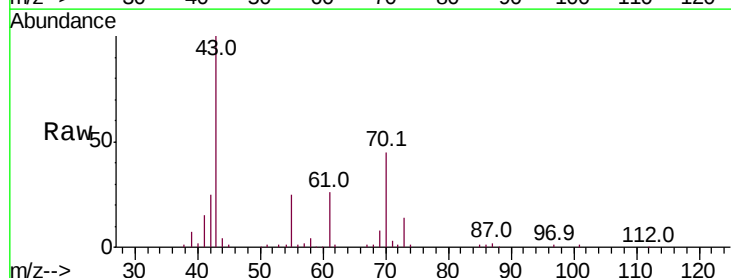
Ion Ratio Lower Upper

43 100

70 43.7 34.0 51.0

55 24.6 18.6 28.0

61 25.0 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

40000

20000

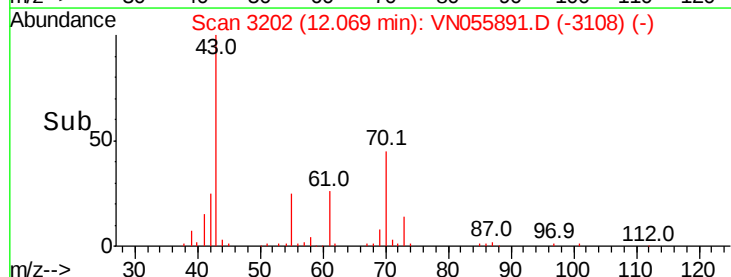
0

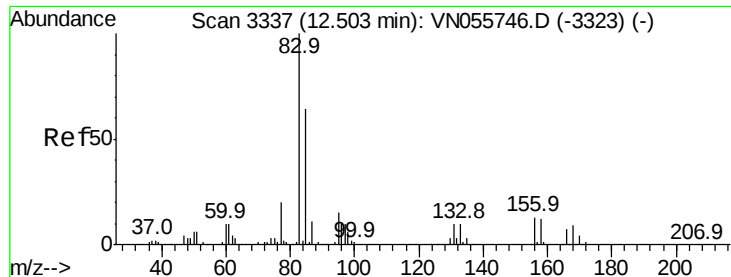
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.988 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampled :

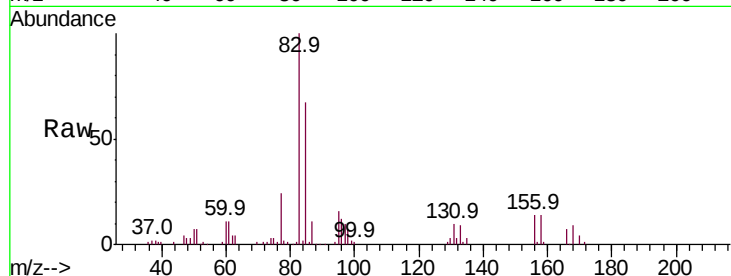
Tot Ion: 83 Resp: 81272

Ion Ratio Lower Upper

83 100

131 10.5 5.4 16.2

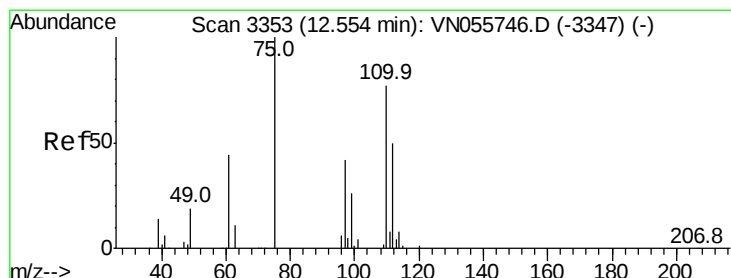
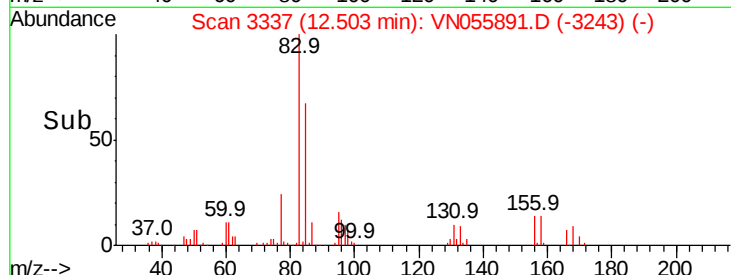
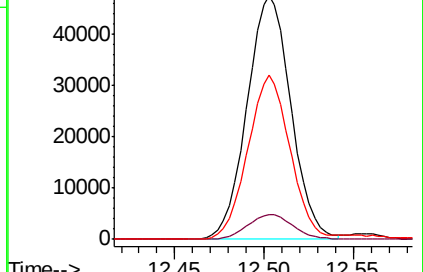
85 65.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055891.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055891.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055891.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 35.512 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055891.D

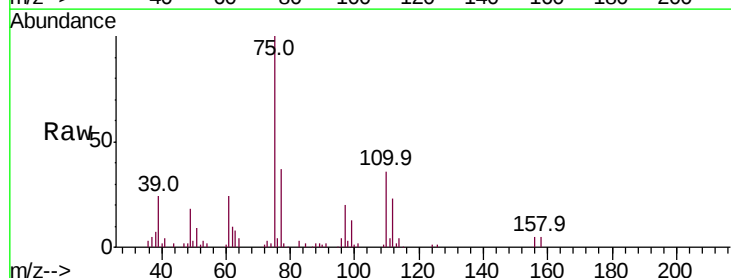
Acq: 30 May 2019 11:18

Tgt Ion: 75 Resp: 97652

Ion Ratio Lower Upper

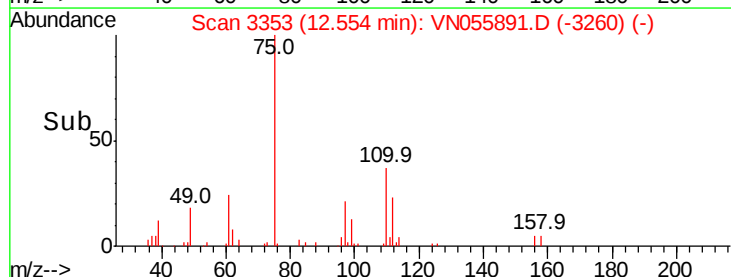
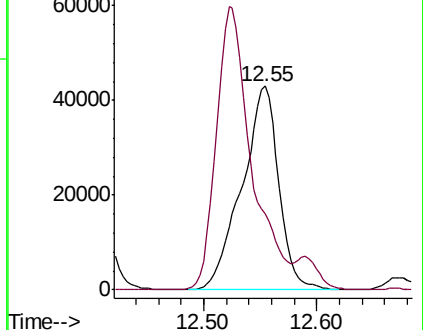
75 100

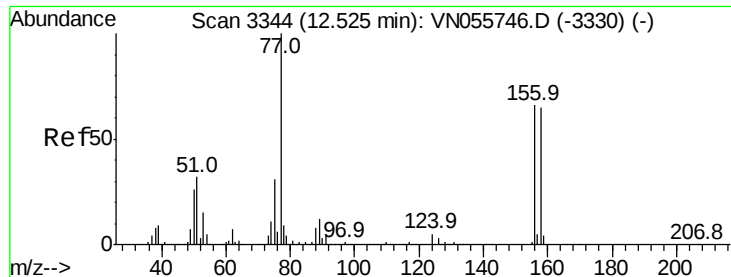
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055891.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055891.D (-3260) (-)





#77

Bromobenzene

Concen: 20.793 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampled :

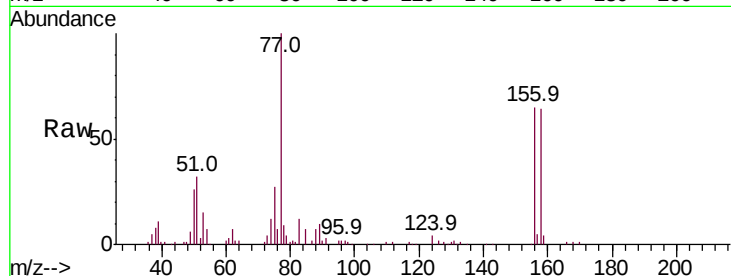
Tot Ion:156 Resp: 69082

Ion Ratio Lower Upper

156 100

77 186.5 90.8 272.5

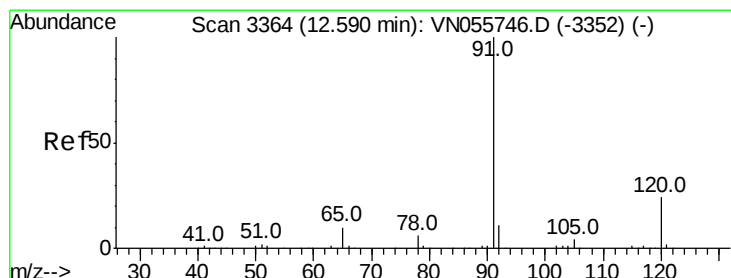
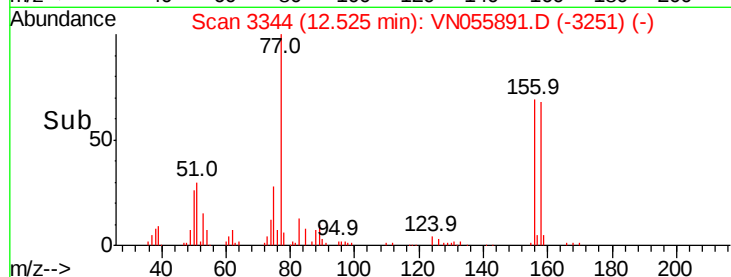
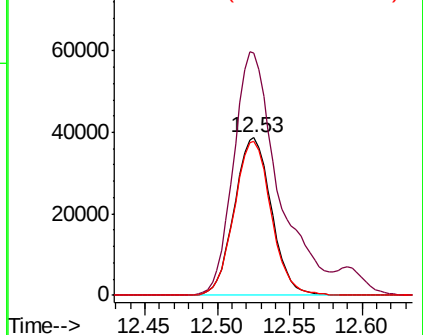
158 97.1 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.354 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055891.D

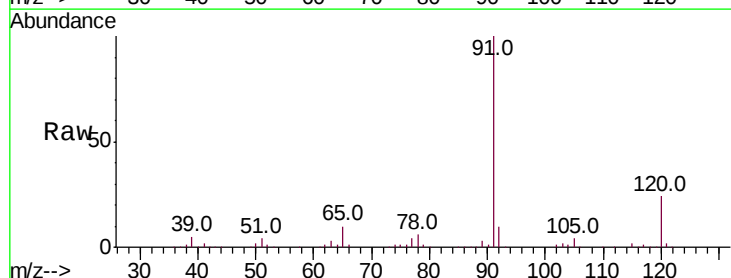
Acq: 30 May 2019 11:18

Tgt Ion: 91 Resp: 288964

Ion Ratio Lower Upper

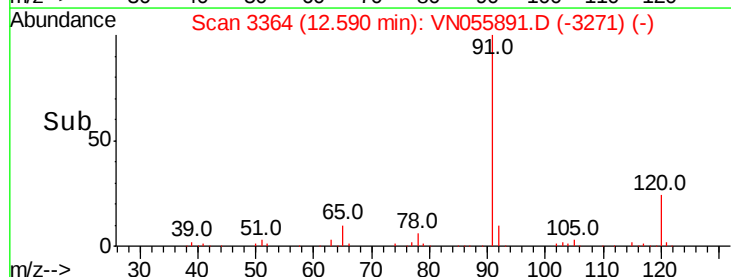
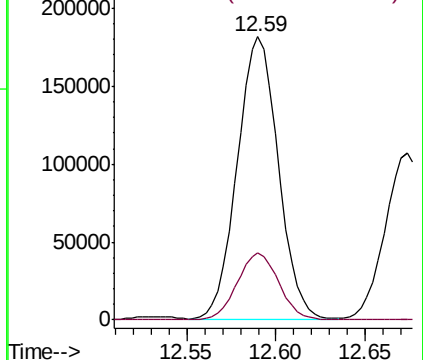
91 100

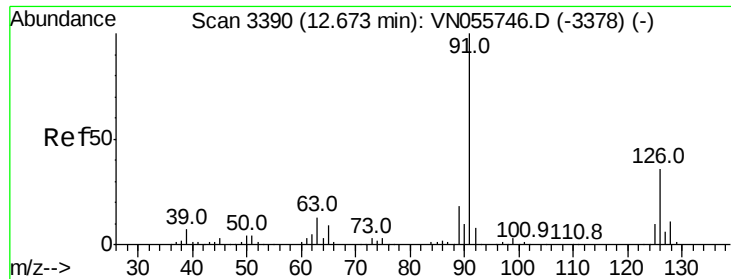
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

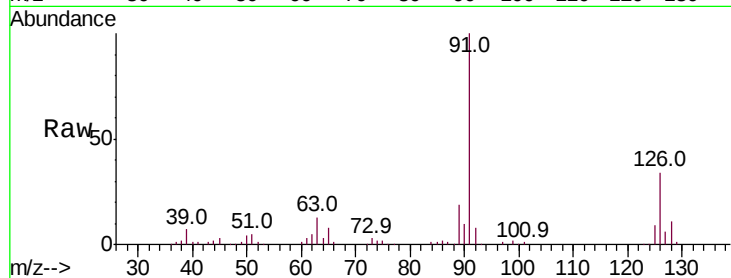




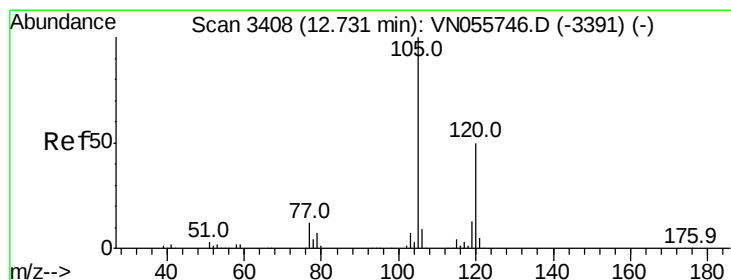
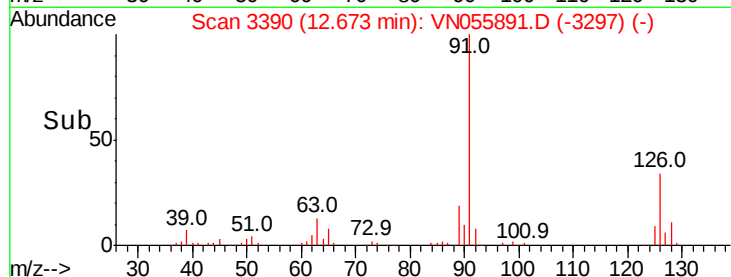
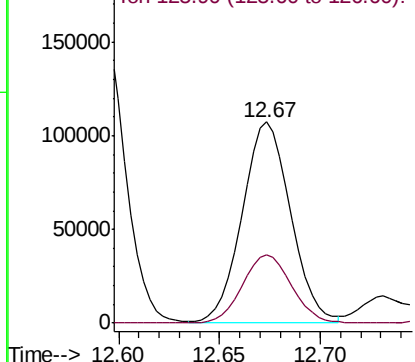
#79
2-Chlorotoluene
Concen: 23.261 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 179488
Ion Ratio Lower Upper
91 100
126 34.8 18.1 54.4

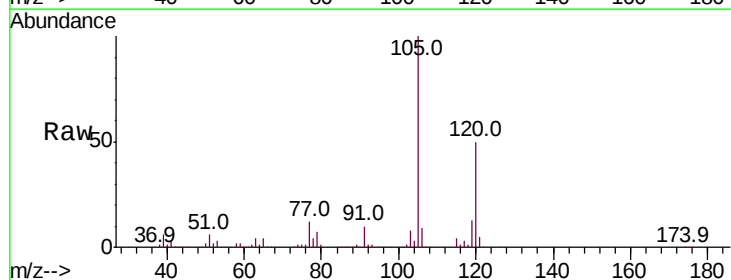


Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)
Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)

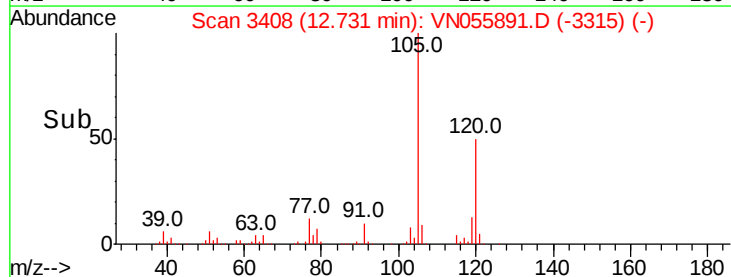
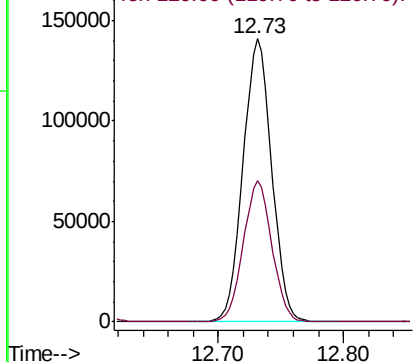


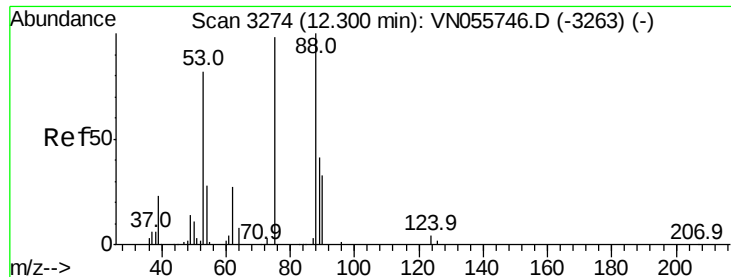
#80
1,3,5-Trimethylbenzene
Concen: 22.644 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion:105 Resp: 224151
Ion Ratio Lower Upper
105 100
120 49.7 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)
Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.304 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

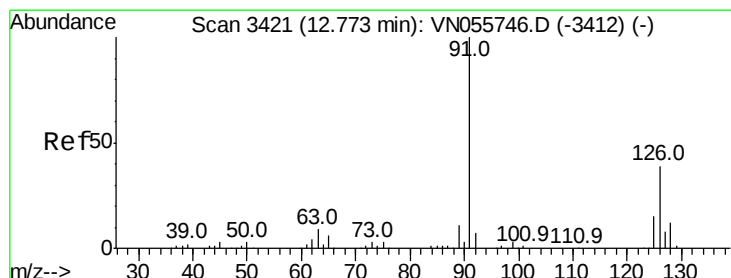
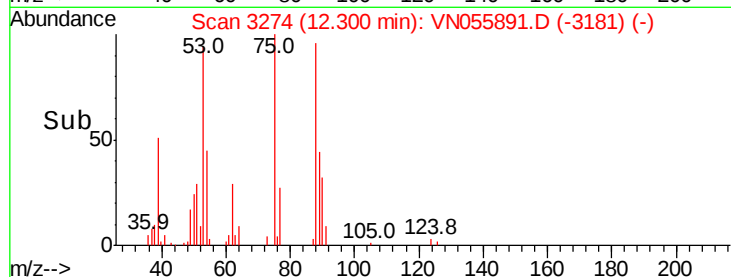
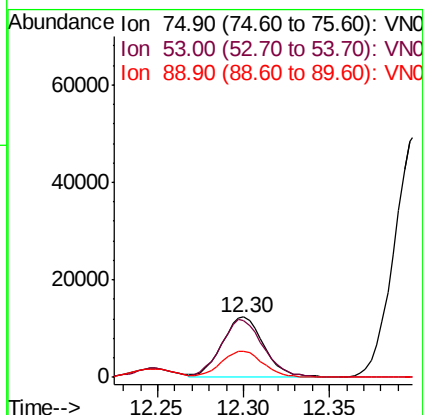
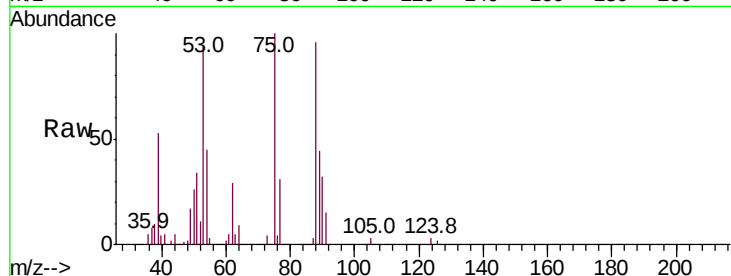
Tot Ion: 75 Resp: 21181

Ion Ratio Lower Upper

75 100

53 96.5 68.1 102.1

89 43.4 36.9 55.3



#82

4-Chlorotoluene

Concen: 20.948 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055891.D

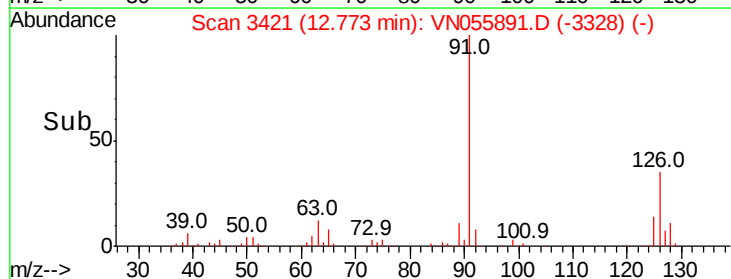
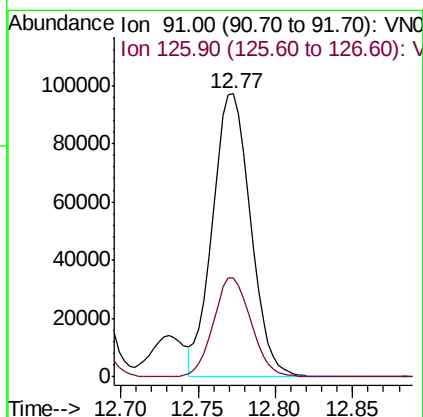
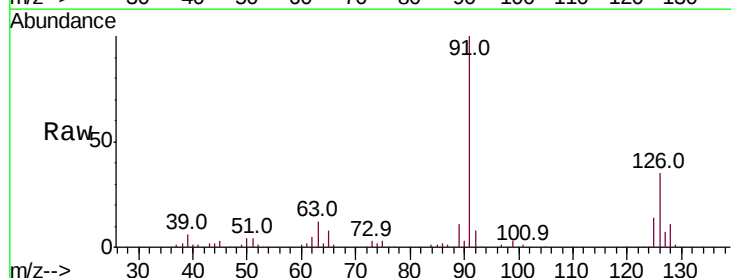
Acq: 30 May 2019 11:18

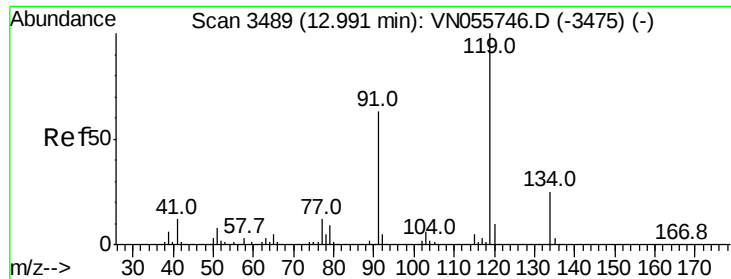
Tgt Ion: 91 Resp: 166628

Ion Ratio Lower Upper

91 100

126 34.6 17.8 53.3

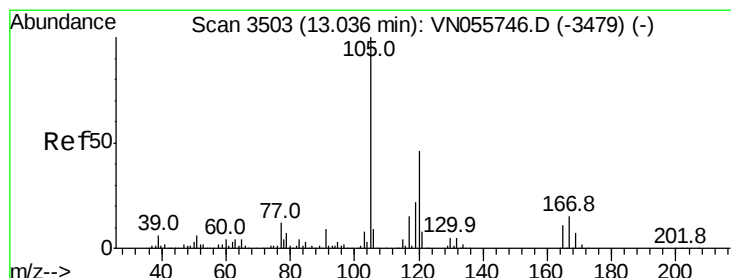
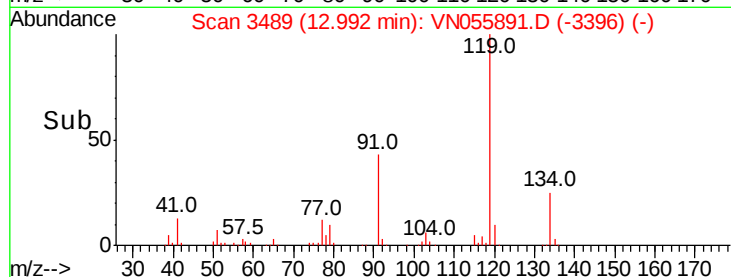
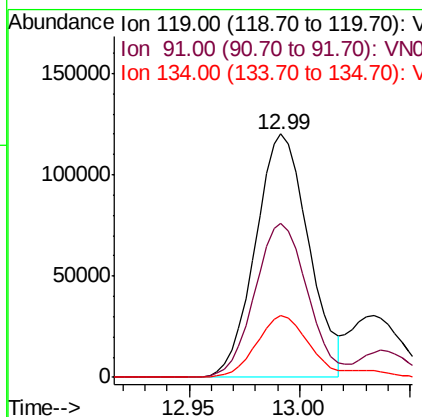
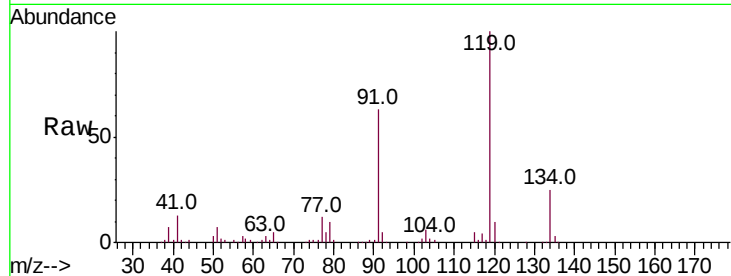




#83
tert-Butylbenzene
Concen: 23.364 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

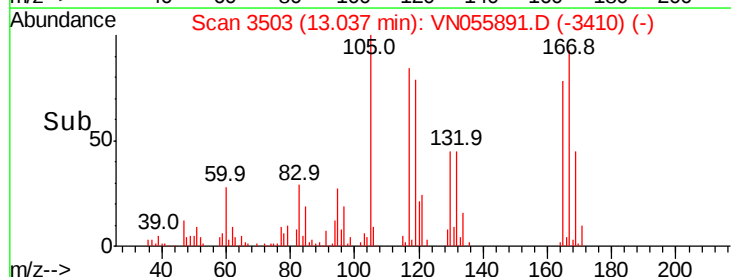
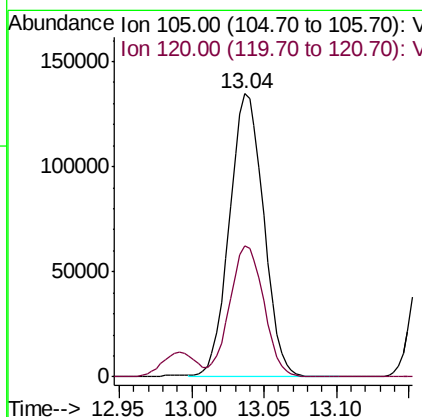
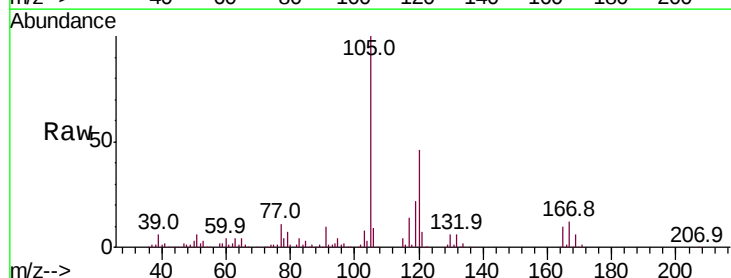
Instrument :
MSVOA_N
ClientSampleId :

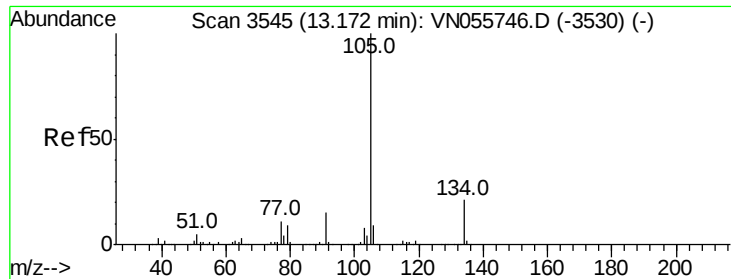
Tot Ion:119 Resp: 201265
Ion Ratio Lower Upper
119 100
91 62.7 30.9 92.8
134 24.9 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 22.415 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion:105 Resp: 220639
Ion Ratio Lower Upper
105 100
120 46.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 23.139 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

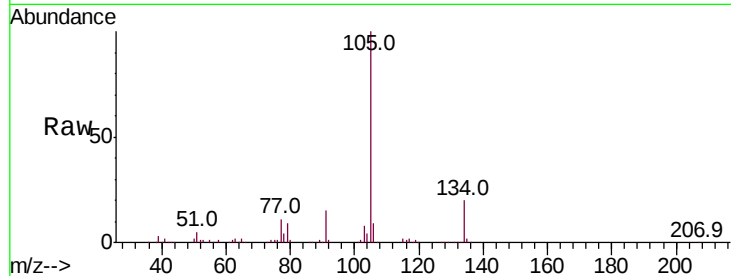
ClientSampleId :

Tot Ion:105 Resp: 255821

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

150000

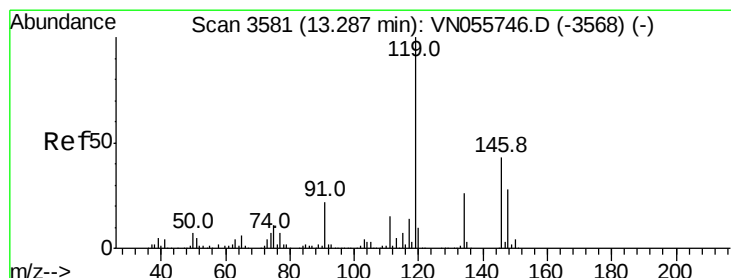
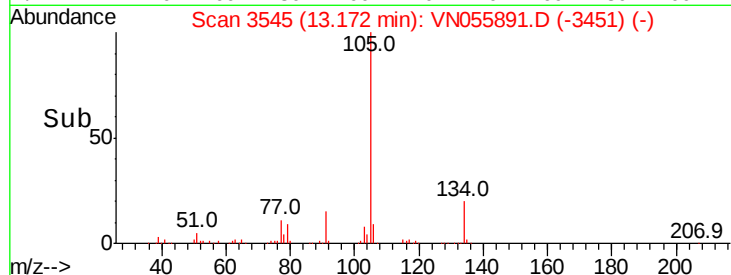
100000

50000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 21.048 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

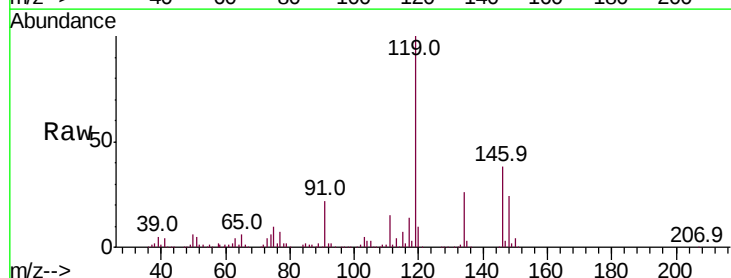
Tgt Ion:119 Resp: 227577

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 22.1 10.9 32.9



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

200000

150000

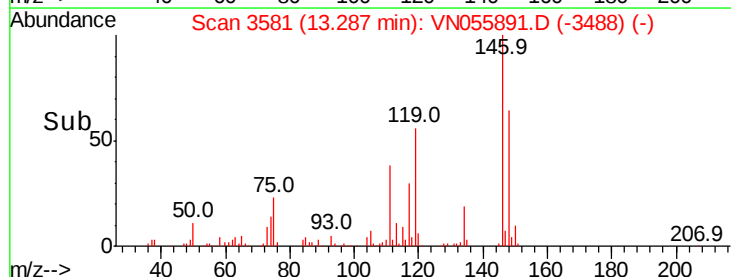
100000

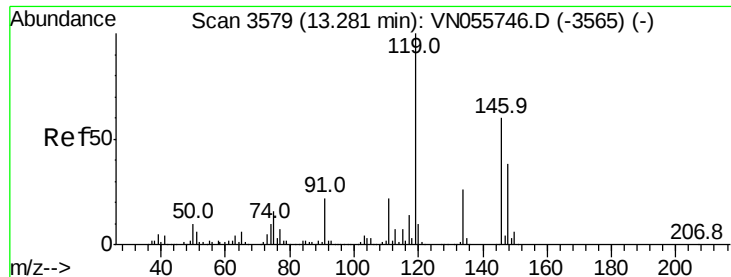
50000

0

Time-->

13.20 13.25 13.30 13.35

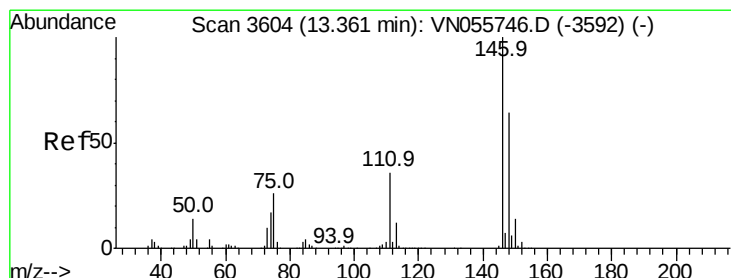
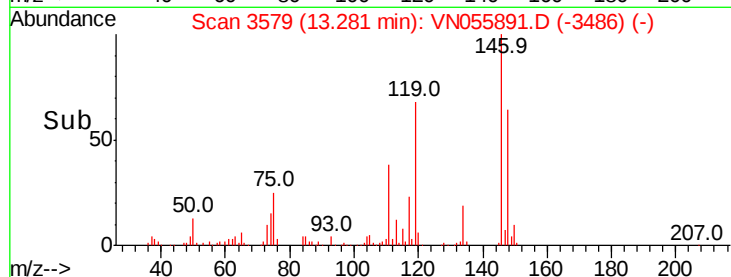
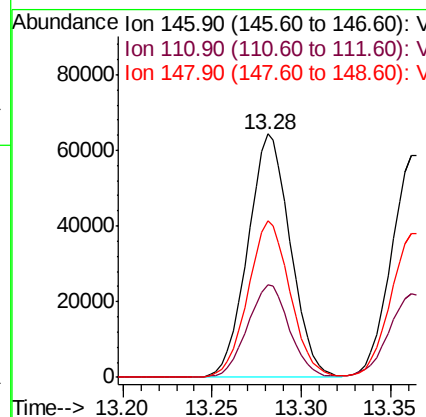
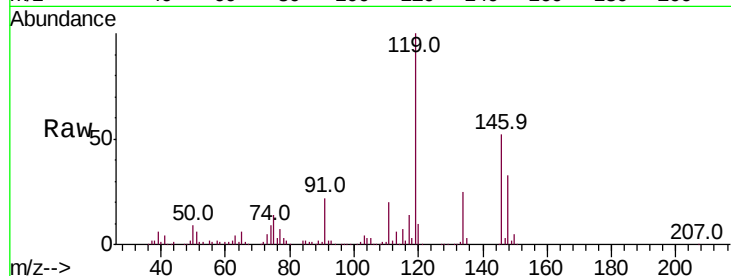




#87
 1,3-Dichlorobenzene
 Concen: 20.393 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

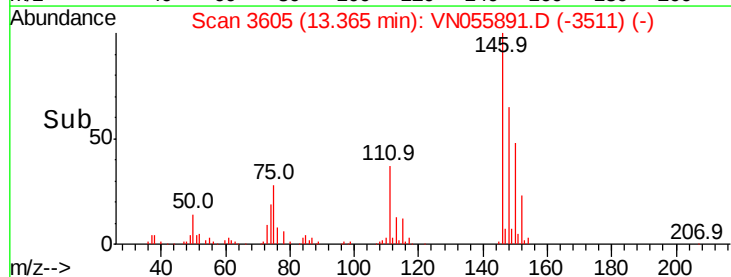
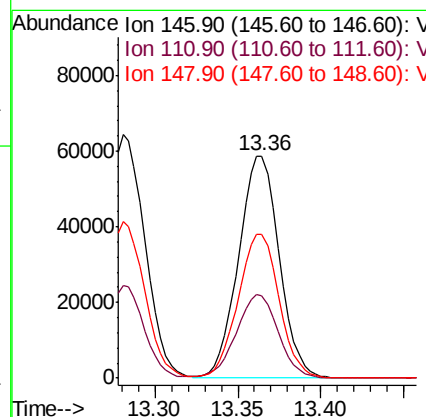
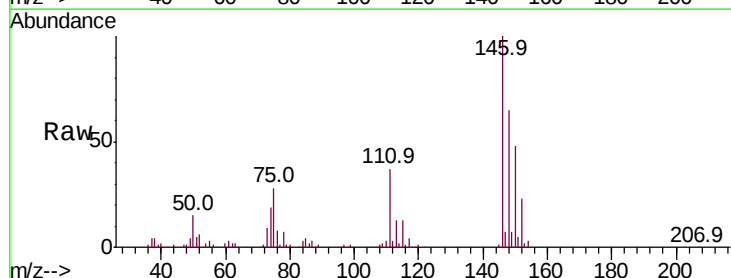
Instrument :
 MSVOA_N
 ClientSampleId :

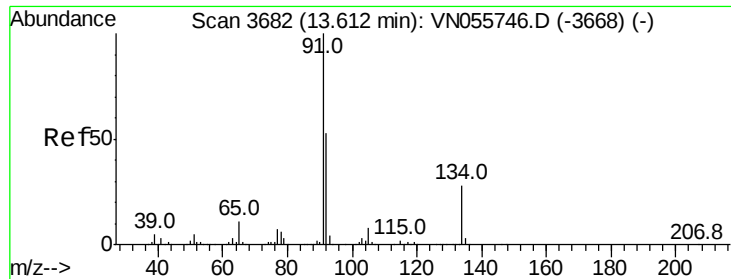
Tot Ion:146 Resp: 107283
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.5 55.5
 148 63.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.029 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion:146 Resp: 100181
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.1 54.4
 148 65.5 32.1 96.5

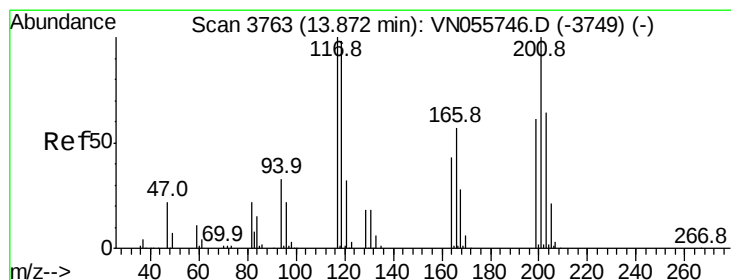
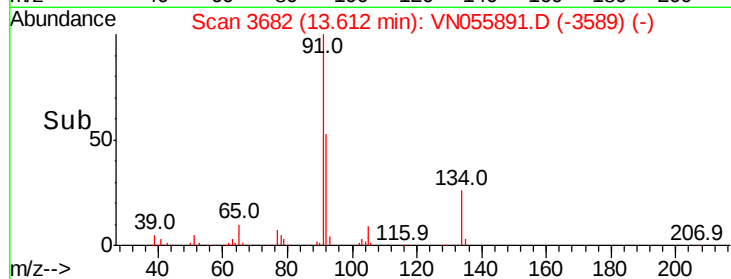
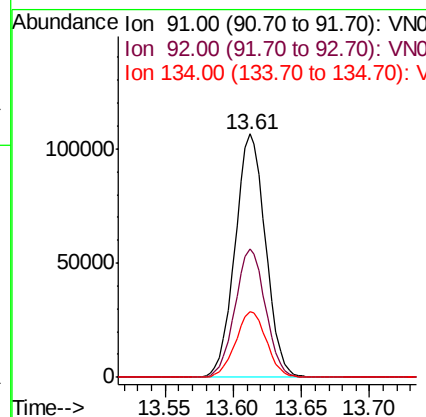
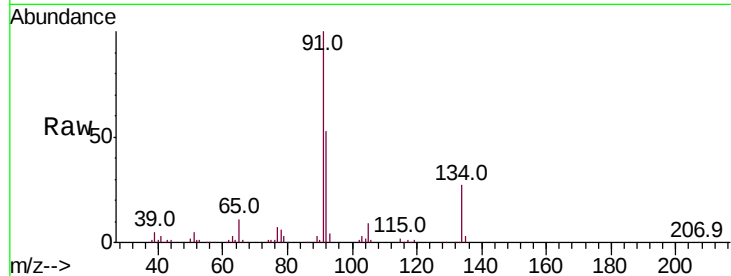




#89
n-Butylbenzene
Concen: 19.924 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

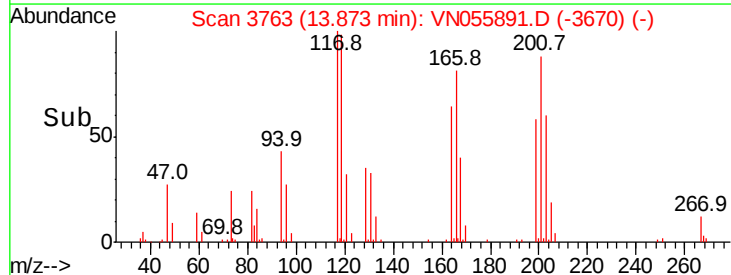
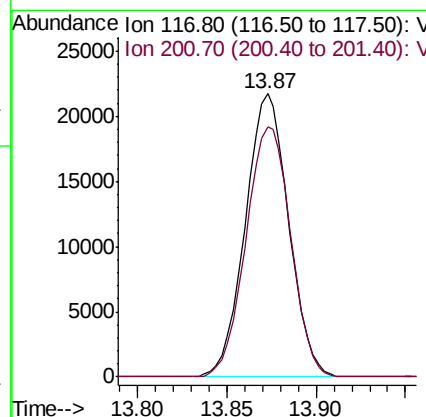
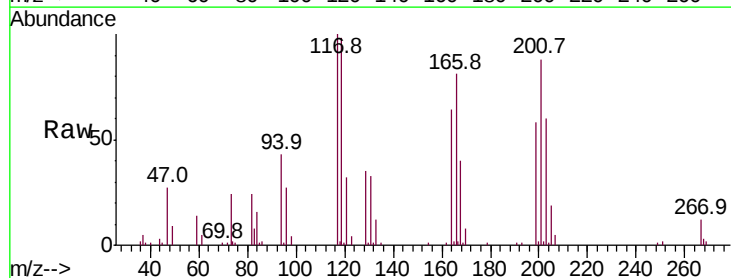
Instrument :
MSVOA_N
ClientSampled :

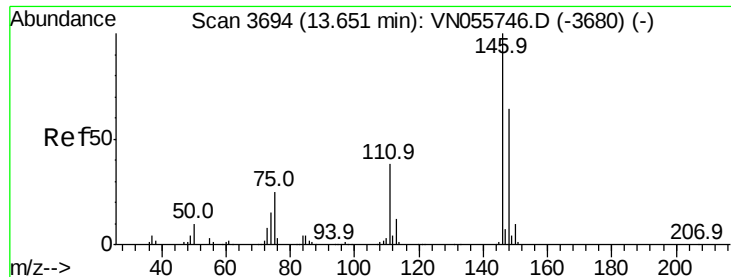
Tot Ion: 91 Resp: 165061
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 27.3 13.9 41.7



#90
Hexachloroethane
Concen: 17.926 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion: 117 Resp: 36893
Ion Ratio Lower Upper
117 100
201 91.1 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 20.727 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

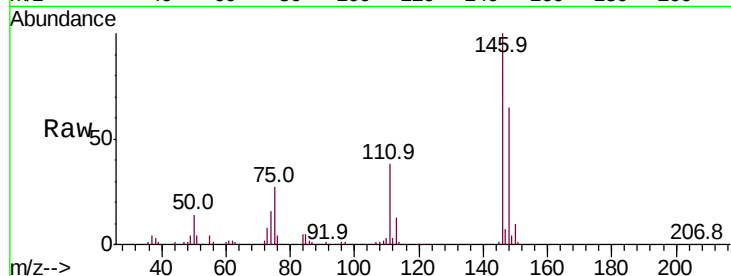
Tot Ion:146 Resp: 108790

Ion Ratio Lower Upper

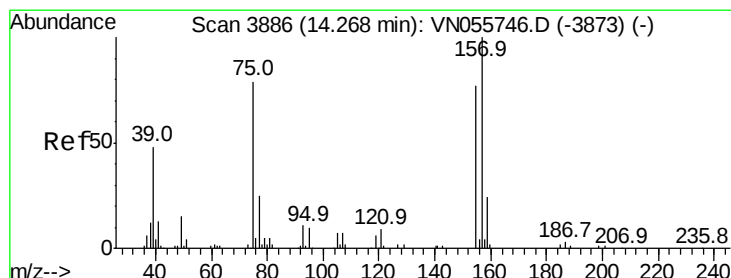
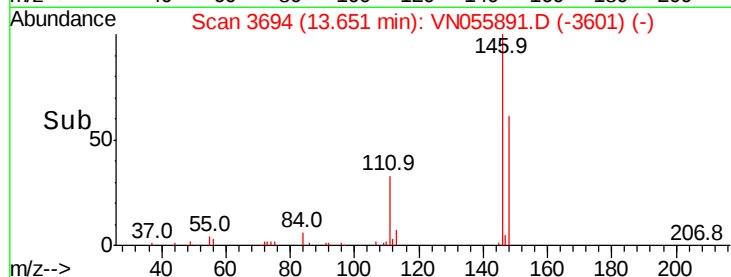
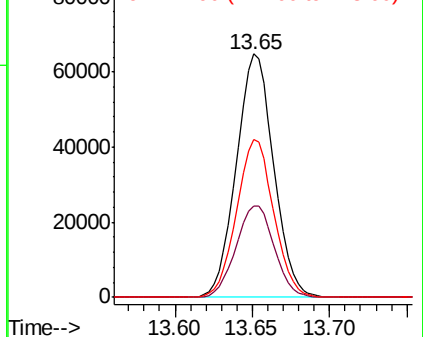
146 100

111 38.5 19.1 57.5

148 64.1 31.9 95.9



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: 19.079 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

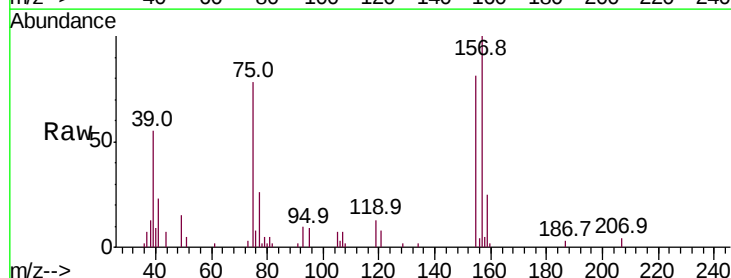
Tgt Ion: 75 Resp: 13162

Ion Ratio Lower Upper

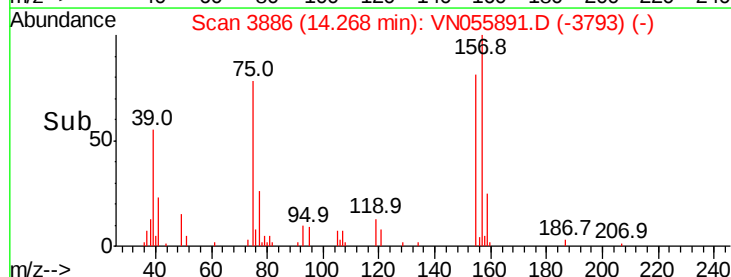
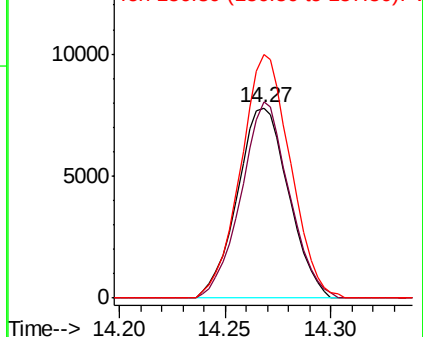
75 100

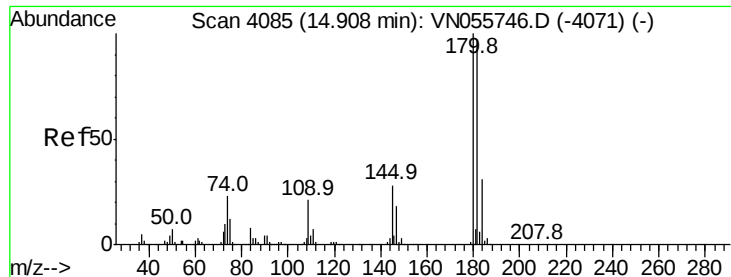
155 96.8 50.0 150.1

157 124.3 64.8 194.3



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

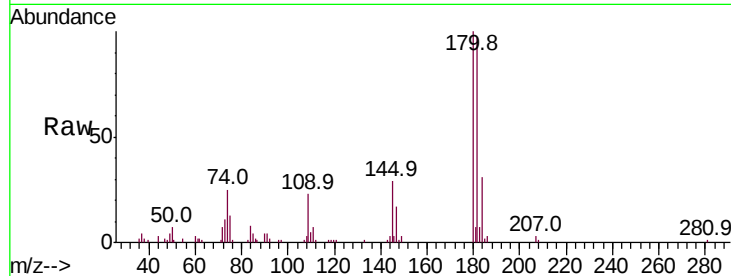




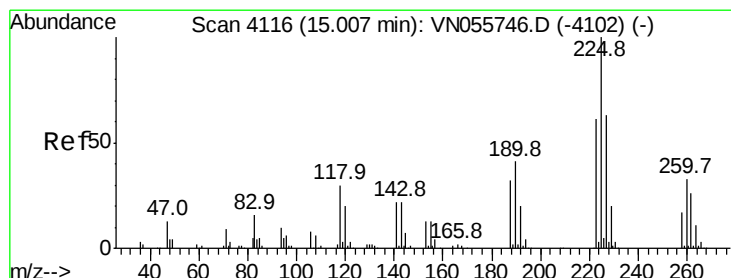
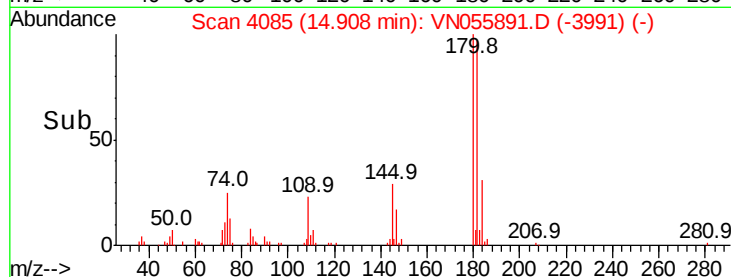
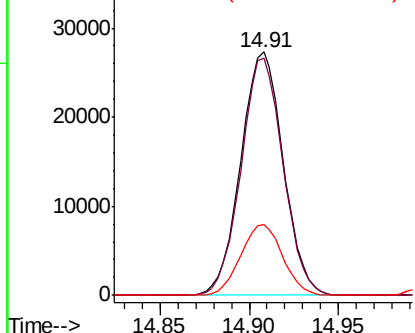
#93
 1,2,4-Trichlorobenzene
 Concen: 17.565 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 45361
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.3 144.9
 145 28.6 14.0 41.9

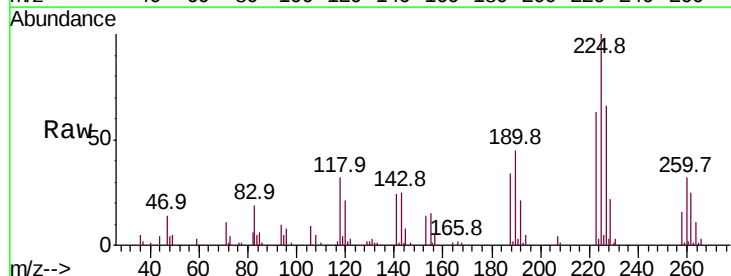


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

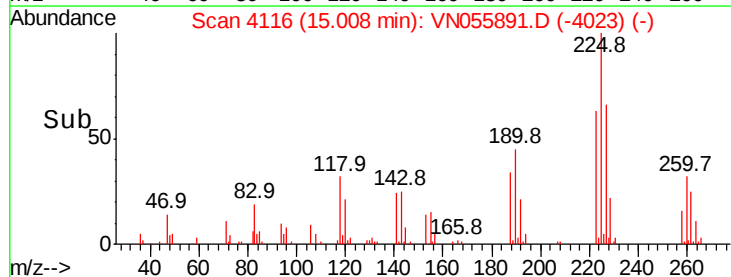
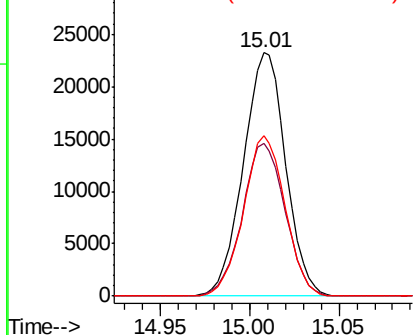


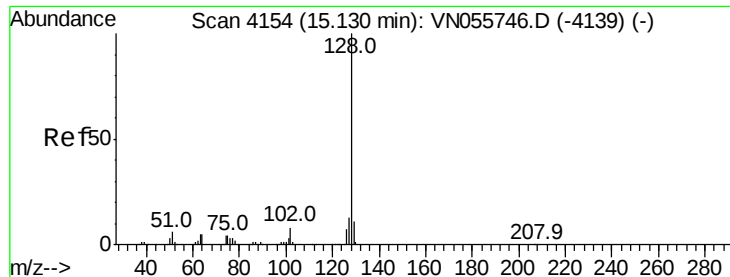
#94
 Hexachlorobutadiene
 Concen: 19.716 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion:225 Resp: 38462
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.9 92.7
 227 64.7 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.565 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

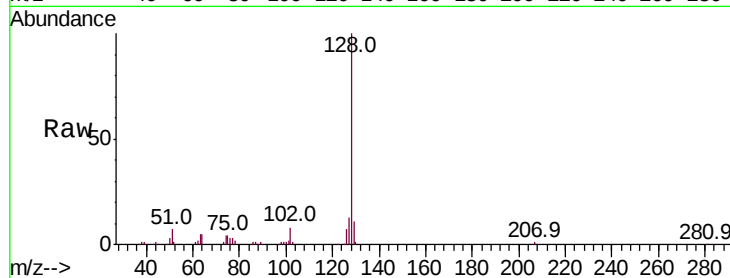
Tot Ion:128 Resp: 133711

Ion Ratio Lower Upper

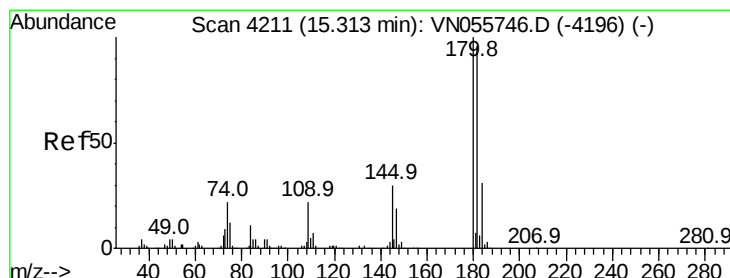
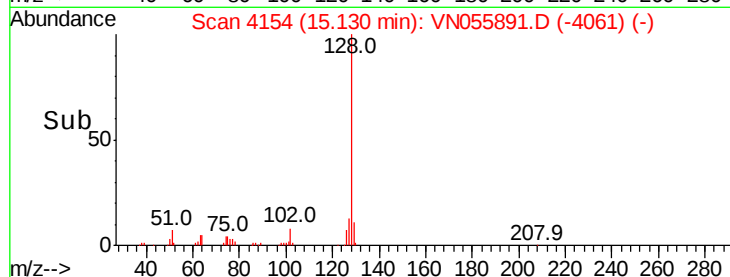
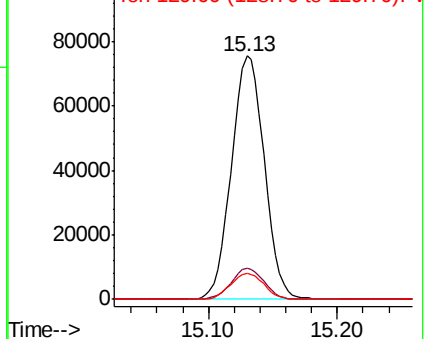
128 100

127 12.7 10.3 15.5

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.615 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

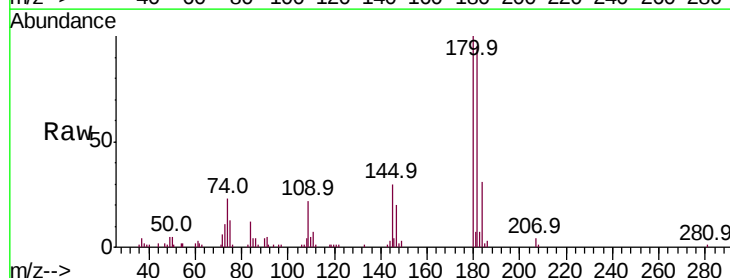
Tgt Ion:180 Resp: 51648

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.7

145 29.4 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

