

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\
 Data File : VN053790.D
 Acq On : 15 Feb 2019 10:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 23:21:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	686823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	988904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	870738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	432141	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	325199	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
35) Dibromofluoromethane	7.59	113	320145	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	10.09	98	1269079	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
62) 4-Bromofluorobenzene	12.40	95	398142	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	332895	43.040	ug/l	99
3) Chloromethane	2.06	50	369193	45.278	ug/l	98
4) Vinyl Chloride	2.19	62	386523	48.832	ug/l	99
5) Bromomethane	2.57	94	259184	50.079	ug/l	96
6) Chloroethane	2.71	64	234311	51.801	ug/l	97
7) Trichlorofluoromethane	3.02	101	537130	50.041	ug/l	99
8) Diethyl Ether	3.41	74	187832	47.916	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	335882	50.597	ug/l	98
10) Methyl Iodide	3.96	142	439765	42.206	ug/l	99
11) Tert butyl alcohol	4.78	59	100768	247.116	ug/l	98
12) 1,1-Dichloroethene	3.74	96	298384	46.915	ug/l	97
13) Acrolein	3.61	56	31864	143.521	ug/l	99
14) Allyl chloride	4.33	41	457946	45.222	ug/l	98
15) Acrylonitrile	4.99	53	529867	240.697	ug/l	100
16) Acetone	3.82	43	504318	285.354	ug/l	98
17) Carbon Disulfide	4.06	76	783066	39.541	ug/l	100
18) Methyl Acetate	4.32	43	272898	52.139	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	784612	48.663	ug/l	99
20) Methylene Chloride	4.55	84	330367	44.556	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	306038	44.601	ug/l	97
22) Diisopropyl ether	5.95	45	907363	48.357	ug/l	99
23) Vinyl Acetate	5.89	43	3044160	234.515	ug/l	98
24) 1,1-Dichloroethane	5.85	63	579279	46.285	ug/l	100
25) 2-Butanone	6.83	43	624004	247.560	ug/l	98
26) 2,2-Dichloropropane	6.82	77	456129	47.743	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	356968	46.785	ug/l	98
28) Bromochloromethane	7.19	49	227809	41.945	ug/l	95
29) Tetrahydrofuran	7.21	42	384762	237.718	ug/l	98
30) Chloroform	7.37	83	590926	47.631	ug/l	99
31) Cyclohexane	7.65	56	507110	43.498	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	486779	47.147	ug/l	99
36) 1,1-Dichloropropene	7.79	75	430155	48.254	ug/l	98
37) Ethyl Acetate	6.93	43	250418	50.298	ug/l	99
38) Carbon Tetrachloride	7.77	117	443417	49.377	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	549647	51.971	ug/l	99
40) Benzene	8.04	78	1321971	48.090	ug/l	99
41) Methacrylonitrile	7.17	41	119260	42.859	ug/l #	77
42) 1,2-Dichloroethane	8.12	62	393320	48.188	ug/l	99
43) Isopropyl Acetate	8.16	43	434128	45.151	ug/l	97
44) Trichloroethene	8.83	130	388056	49.585	ug/l	100
45) 1,2-Dichloropropane	9.12	63	361343	51.392	ug/l	100
46) Dibromomethane	9.21	93	218906	51.647	ug/l	97
47) Bromodichloromethane	9.40	83	468852	53.203	ug/l	99
48) Methyl methacrylate	9.20	41	229494	50.003	ug/l	93
49) 1,4-Dioxane	9.20	88	68829	1033.600	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1324153	280.256	ug/l	99
52) Toluene	10.16	92	866183	53.091	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	478425	54.216	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	540473	51.686	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	323021	54.945	ug/l	99
56) Ethyl methacrylate	10.43	69	382612	55.014	ug/l	98
57) 1,3-Dichloropropane	10.71	76	529455	52.695	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1072759	248.757	ug/l	98
59) 2-Hexanone	10.75	43	864382	269.485	ug/l	99
60) Dibromochloromethane	10.90	129	366555	55.291	ug/l	100
61) 1,2-Dibromoethane	11.00	107	297544	51.135	ug/l	100
64) Tetrachloroethene	10.63	164	388842	52.095	ug/l	99
65) Chlorobenzene	11.43	112	898297	48.569	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	335960	52.012	ug/l	99
67) Ethyl Benzene	11.51	91	1506240	49.576	ug/l	100
68) m/p-Xylenes	11.62	106	1176948	101.498	ug/l	99
69) o-Xylene	11.95	106	569648	50.850	ug/l	98
70) Styrene	11.96	104	922960	50.831	ug/l	99
71) Bromoform	12.13	173	237219	53.568	ug/l #	100
73) Isopropylbenzene	12.25	105	1506185	49.580	ug/l	100
74) N-amyl acetate	12.07	43	351753	48.152	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	343171	47.201	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	422986	76.206	ug/l #	100
77) Bromobenzene	12.53	156	397284	48.524	ug/l	97
78) n-propylbenzene	12.59	91	1765793	50.281	ug/l	100
79) 2-Chlorotoluene	12.67	91	1026146	49.251	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1295486	51.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	93362	47.297	ug/l	98
82) 4-Chlorotoluene	12.77	91	1049299	49.079	ug/l	100
83) tert-Butylbenzene	12.99	119	1122918	50.435	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1310707	51.069	ug/l	98
85) sec-Butylbenzene	13.17	105	1574070	51.953	ug/l	99
86) p-Isopropyltoluene	13.29	119	1386260	52.315	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	716089	48.654	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	706360	48.517	ug/l	99
89) n-Butylbenzene	13.61	91	1193215	52.024	ug/l	100
90) Hexachloroethane	13.87	117	236825	54.183	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	689994	48.970	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50460	48.699	ug/l	99

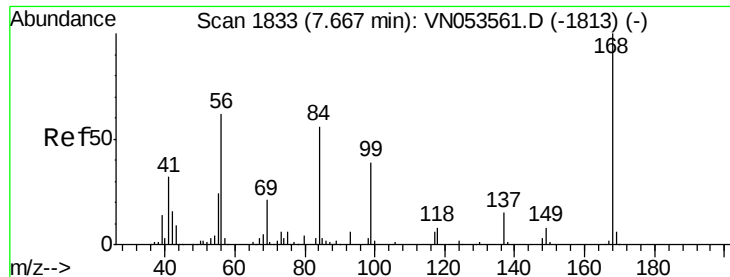
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	411841	50.963	ug/l	99
94) Hexachlorobutadiene	15.01	225	266130	52.881	ug/l	99
95) Naphthalene	15.13	128	789023	41.857	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	379432	50.602	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

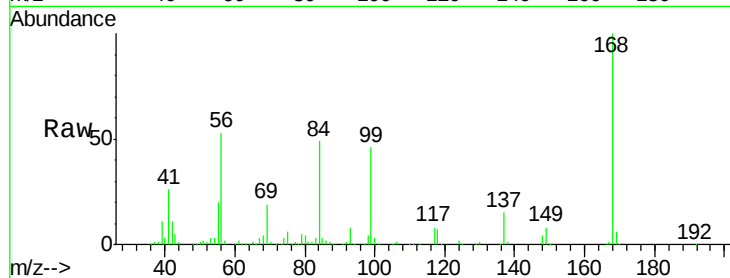
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 686823

Ion Ratio Lower Upper

168 100

99 45.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

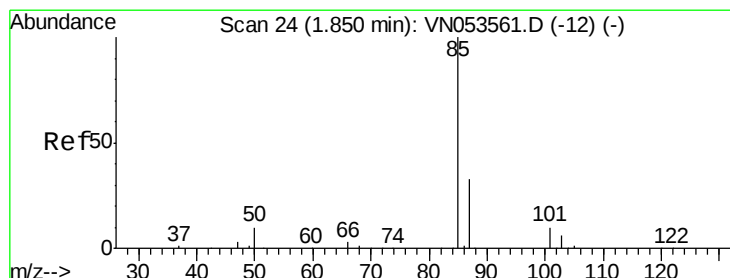
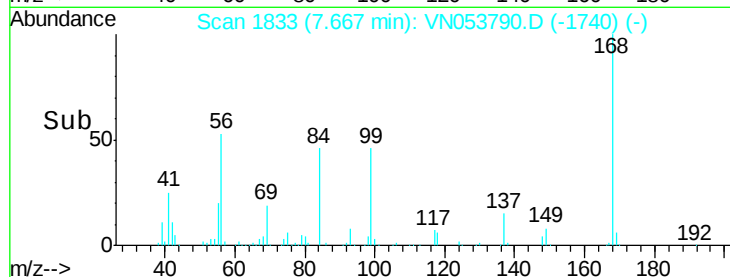
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 43.040 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053790.D

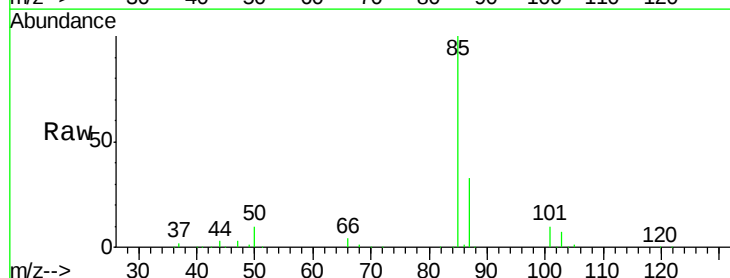
Acq: 15 Feb 2019 10:28

Tgt Ion: 85 Resp: 332895

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

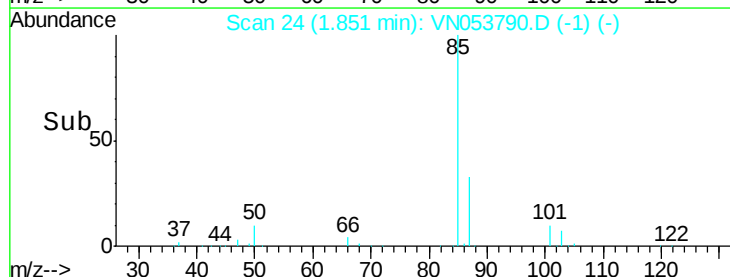
150000

100000

50000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 45.278 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

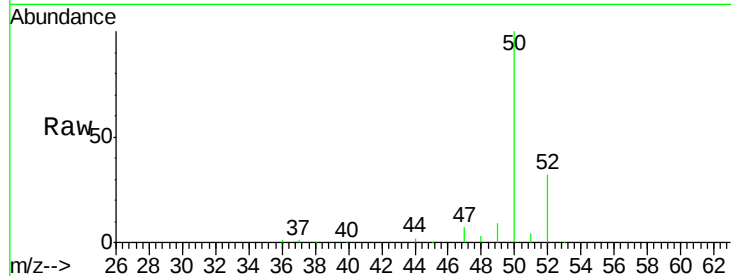
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 369193

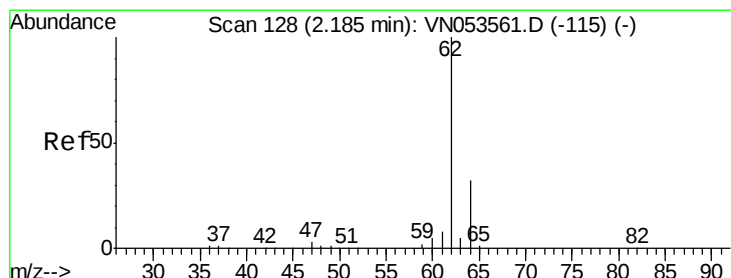
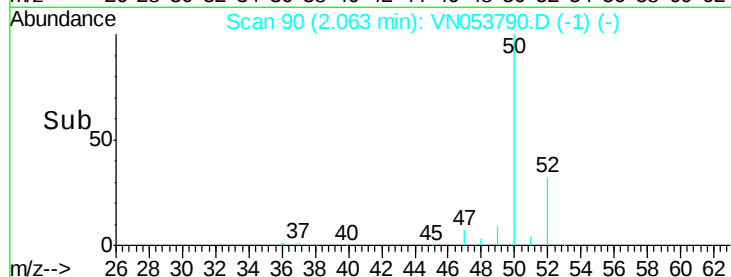
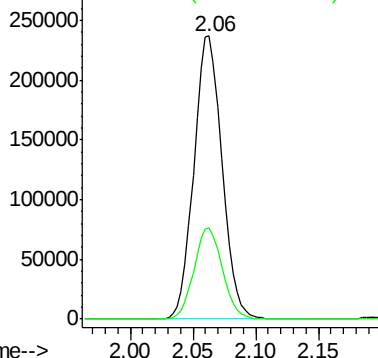
Ion Ratio Lower Upper

50 100

52 32.2 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC
Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 48.832 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053790.D

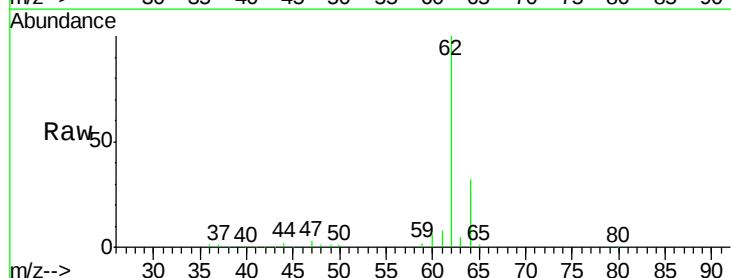
Acq: 15 Feb 2019 10:28

Tgt Ion: 62 Resp: 386523

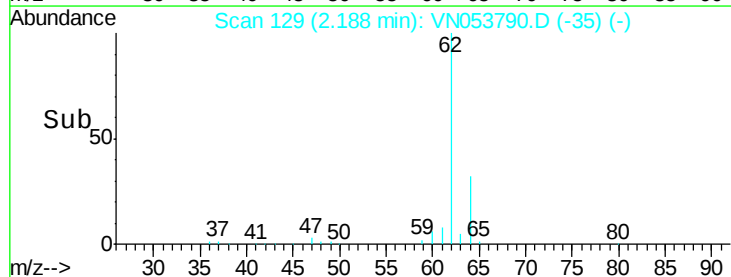
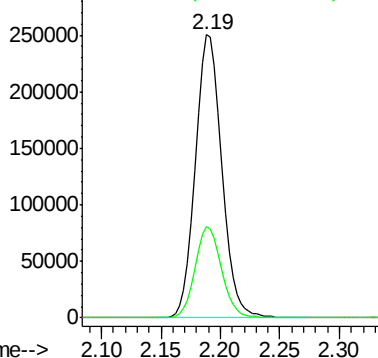
Ion Ratio Lower Upper

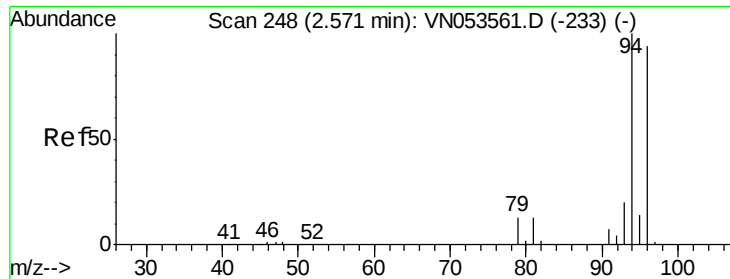
62 100

64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 63.90 (63.60 to 64.60): VNC

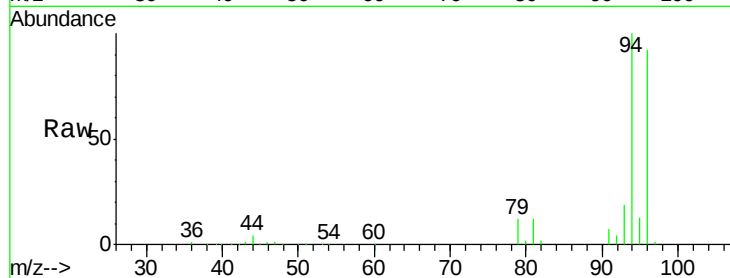




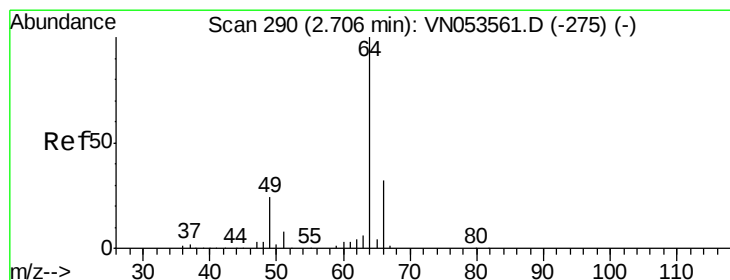
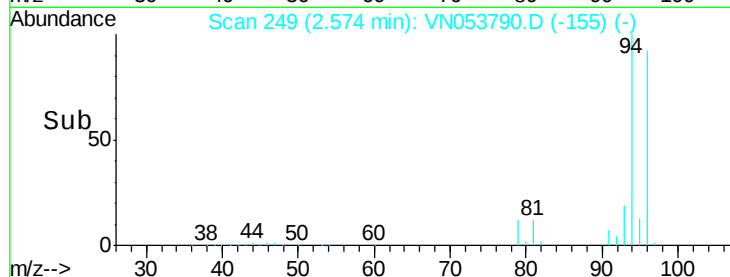
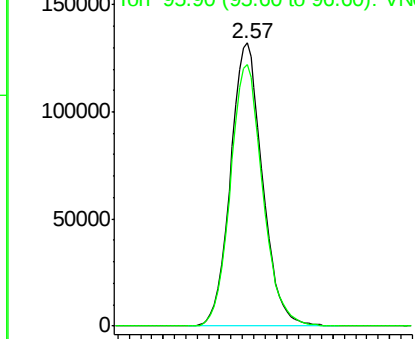
#5
Bromomethane
Concen: 50.079 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 259184
Ion Ratio Lower Upper
94 100
96 92.3 76.8 115.2

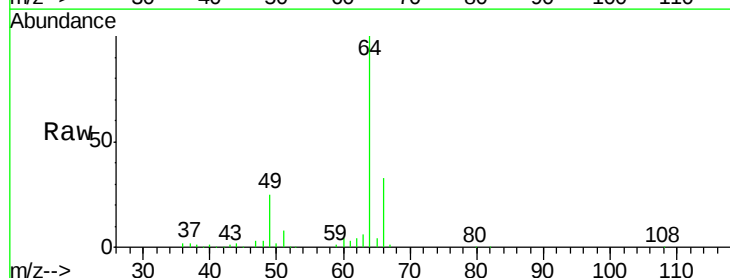


Abundance Ion 93.90 (93.60 to 94.60): VN053790.D (-155) (-)
Ion 95.90 (95.60 to 96.60): VN053790.D (-155) (-)

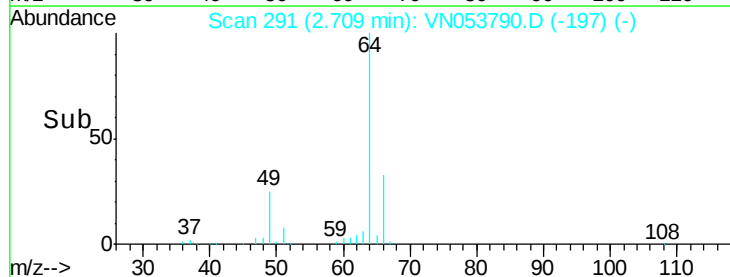
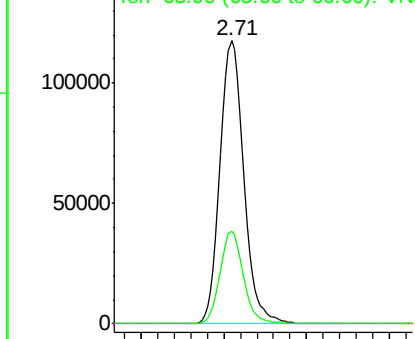


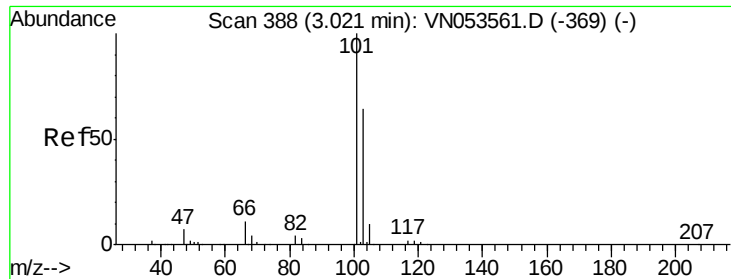
#6
Chloroethane
Concen: 51.801 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion: 64 Resp: 234311
Ion Ratio Lower Upper
64 100
66 32.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN053790.D (-197) (-)
Ion 65.90 (65.60 to 66.60): VN053790.D (-197) (-)



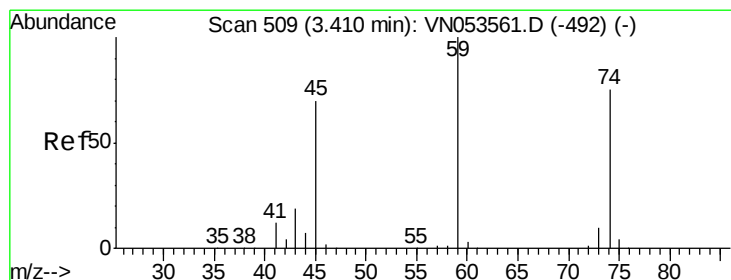
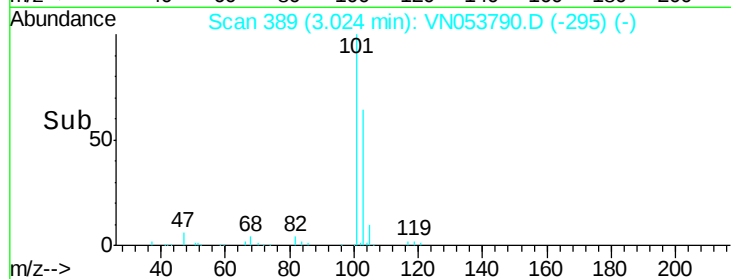
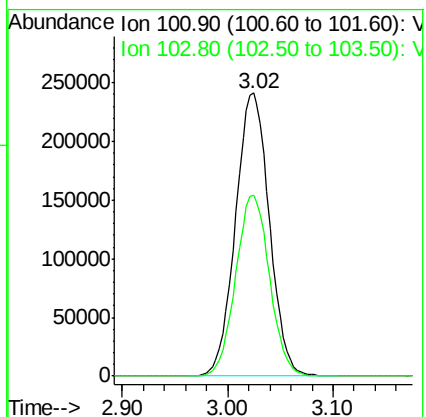
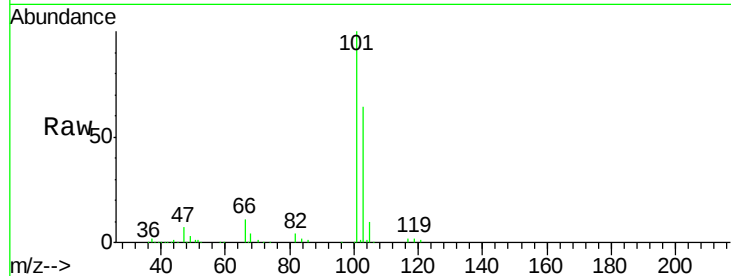


#7

Trichlorofluoromethane
 Concen: 50.041 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053790.D
 Acq: 15 Feb 2019 10:28

Instrument :
 MSVOA_N
 ClientSampled :

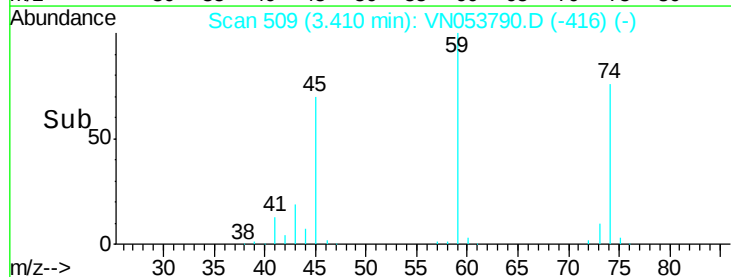
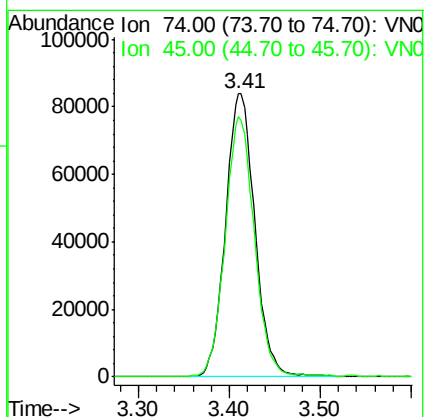
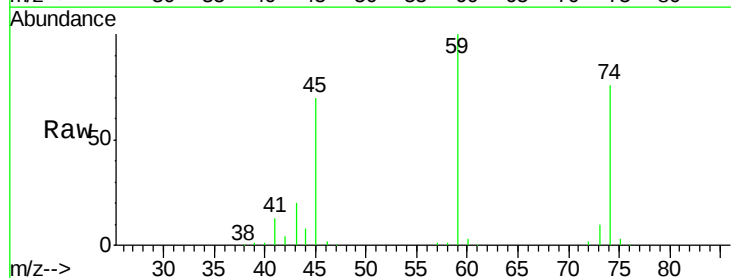
Tot Ion:101 Resp: 537130
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.6 77.4

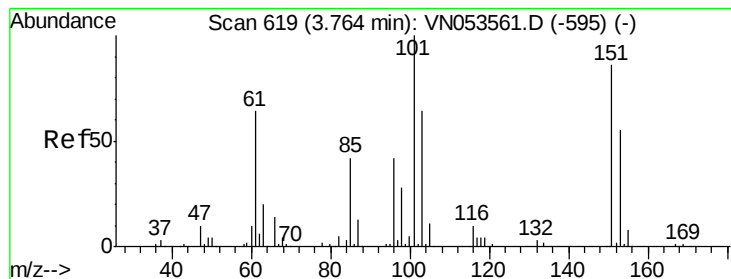


#8

Diethyl Ether
 Concen: 47.916 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053790.D
 Acq: 15 Feb 2019 10:28

Tgt Ion: 74 Resp: 187832
 Ion Ratio Lower Upper
 74 100
 45 91.4 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.597 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

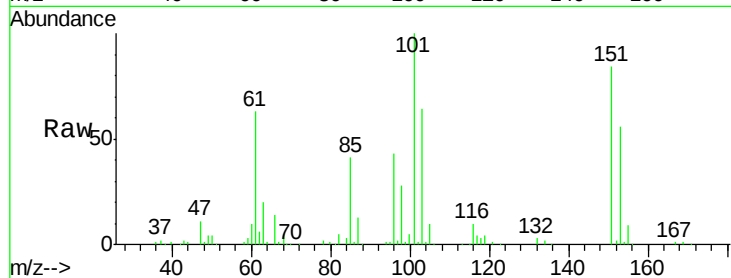
Tot Ion:101 Resp: 335882

Ion Ratio Lower Upper

101 100

85 41.6 32.8 49.2

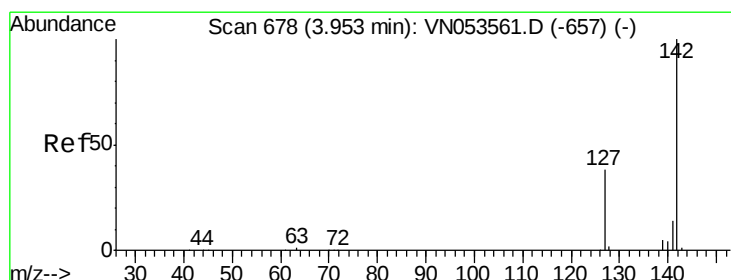
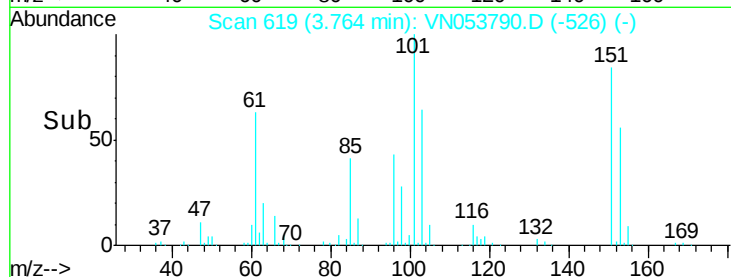
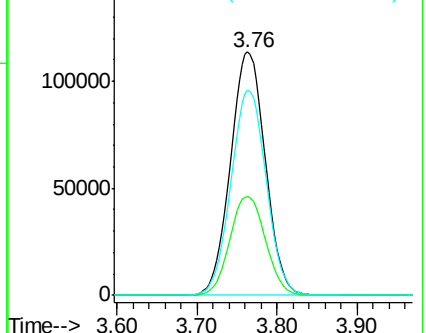
151 85.3 66.9 100.3



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: 42.206 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

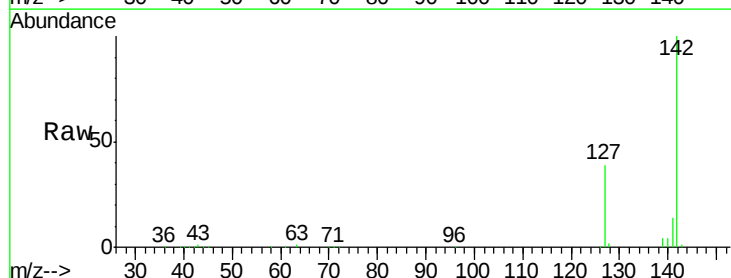
Tgt Ion:142 Resp: 439765

Ion Ratio Lower Upper

142 100

127 39.1 31.0 46.4

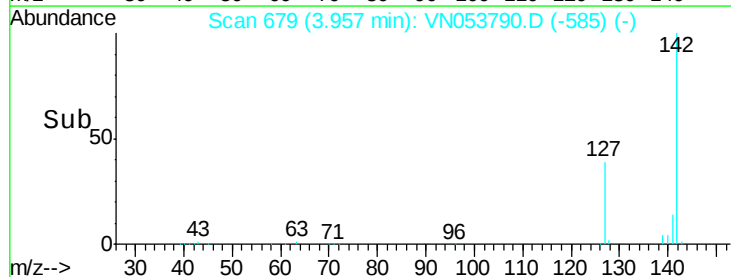
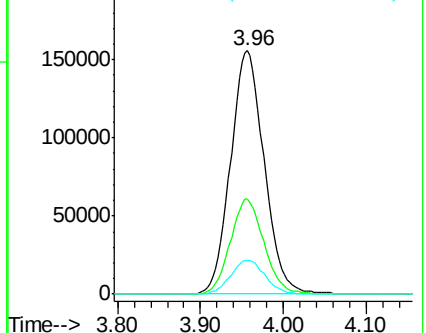
141 14.3 11.1 16.7

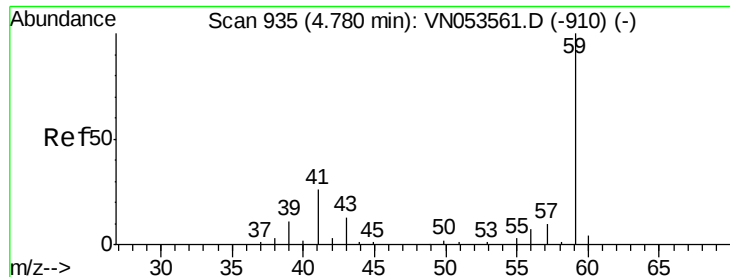


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

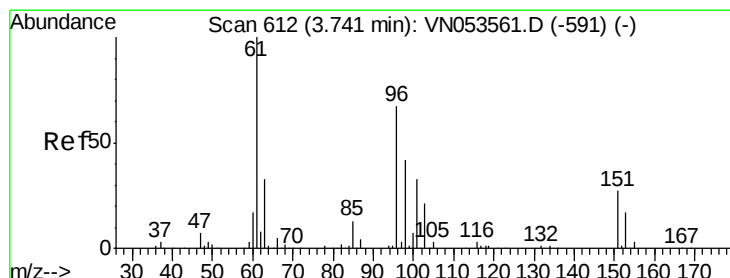
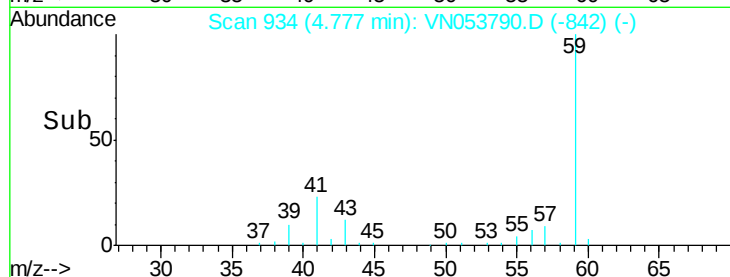
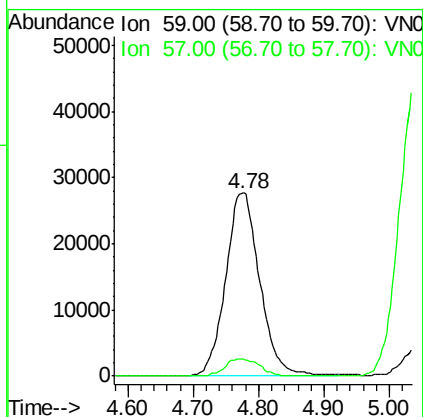
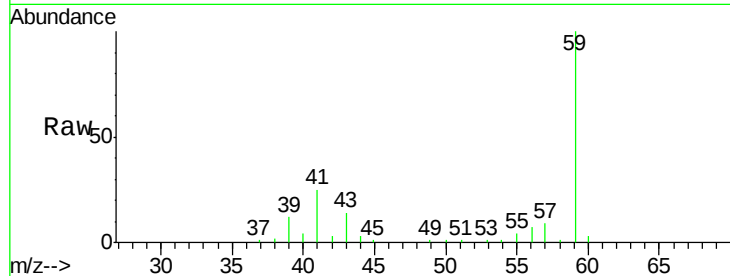




#11
Tert butyl alcohol
Concen: 247.116 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

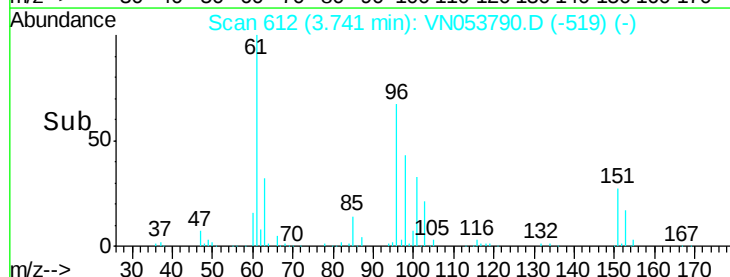
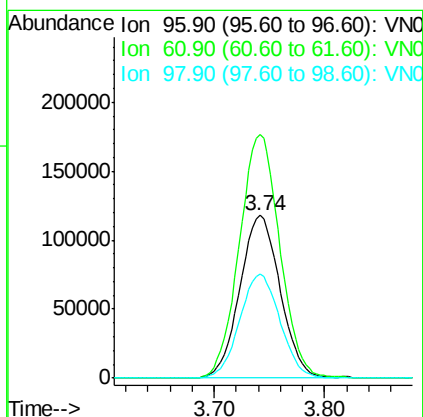
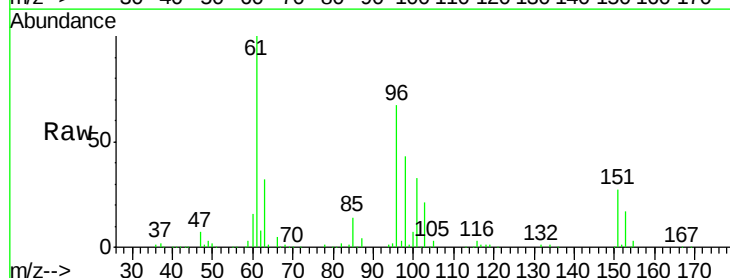
Instrument :
MSVOA_N
ClientSampleId :

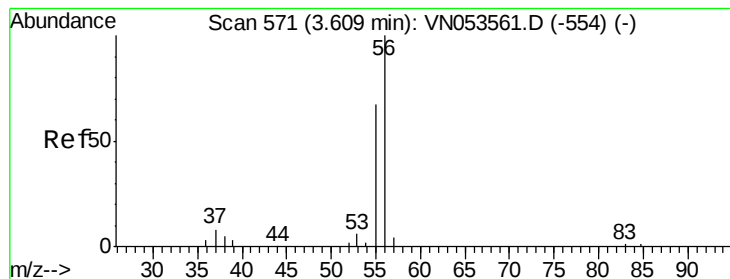
Tot Ion: 59 Resp: 100768
Ion Ratio Lower Upper
59 100
57 9.4 8.2 12.4



#12
1,1-Dichloroethene
Concen: 46.915 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion: 96 Resp: 298384
Ion Ratio Lower Upper
96 100
61 149.8 122.9 184.3
98 63.9 49.4 74.0





#13

Acrolein

Concen: 143.521 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA_N

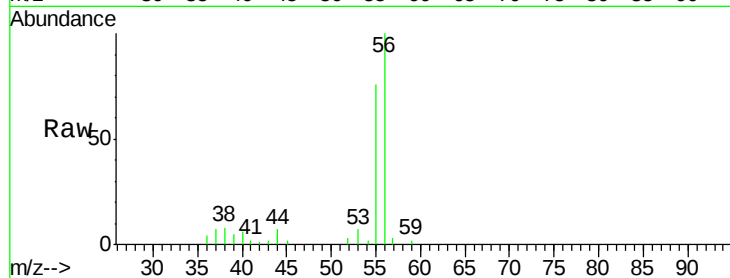
ClientSampled :

Tot Ion: 56 Resp: 31864

Ion Ratio Lower Upper

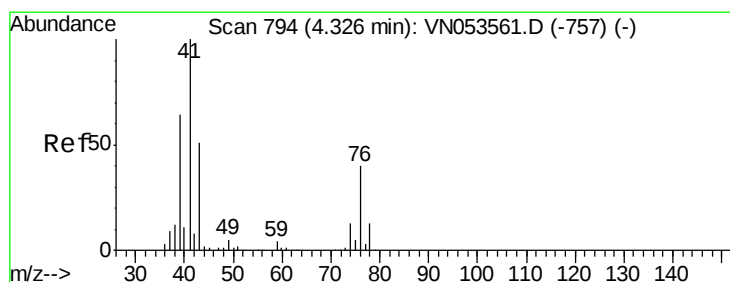
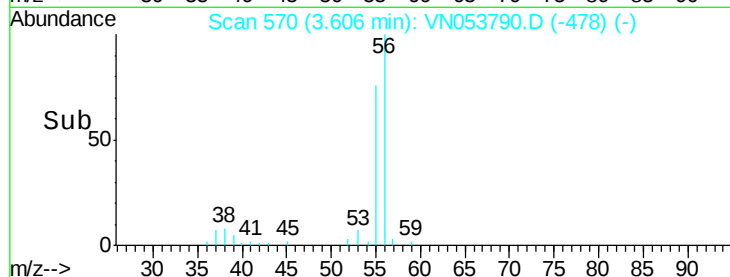
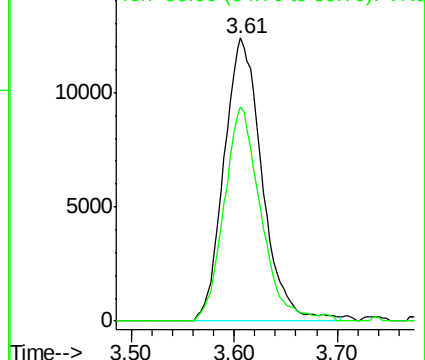
56 100

55 72.2 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.222 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

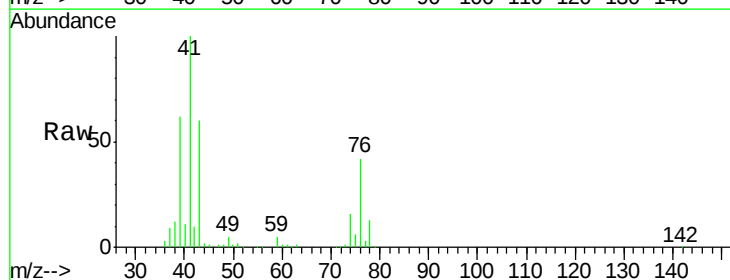
Tgt Ion: 41 Resp: 457946

Ion Ratio Lower Upper

41 100

39 60.2 48.9 73.3

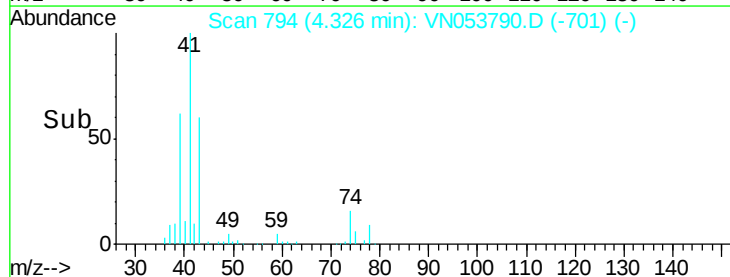
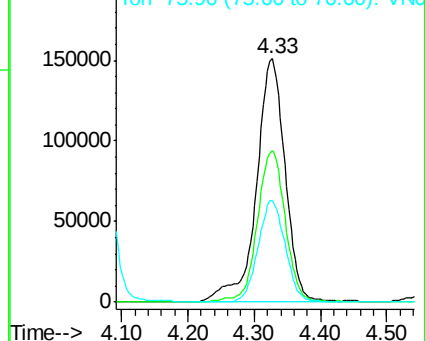
76 38.6 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 240.697 ug/l

RT: 4.99 min Scan# 999

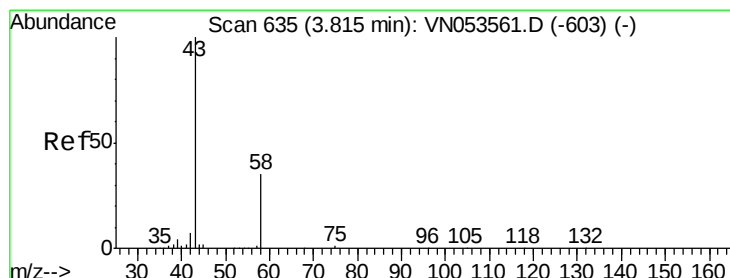
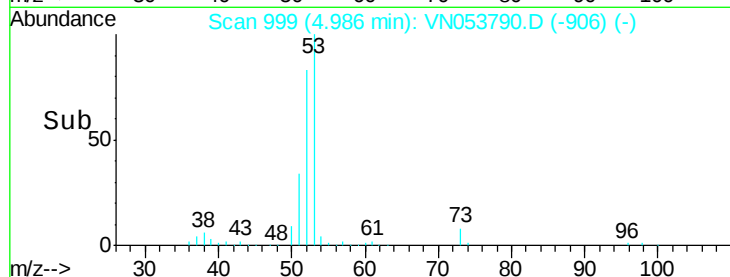
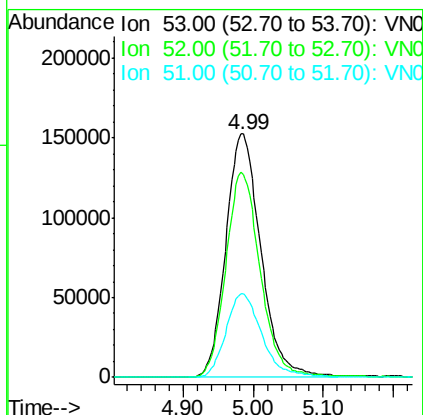
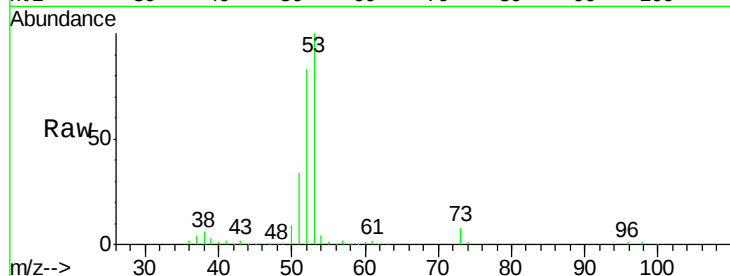
Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	53	Resp:	529867
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.0	99.0
51	35.3	28.3	42.5



#16

Acetone

Concen: 285.354 ug/l

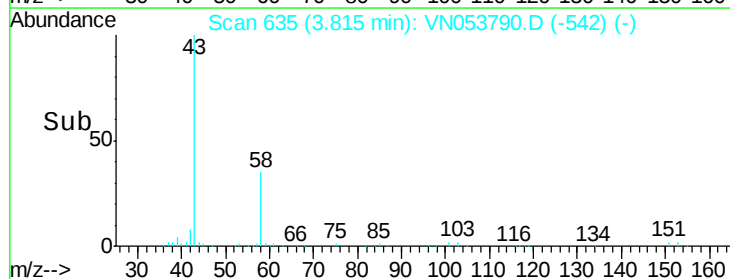
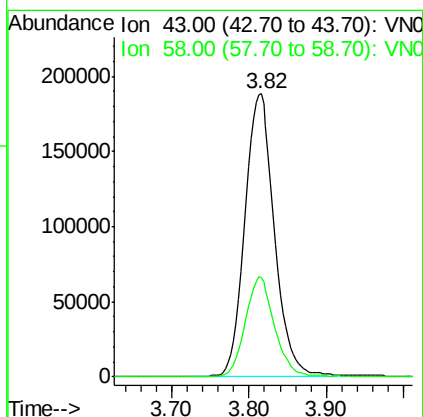
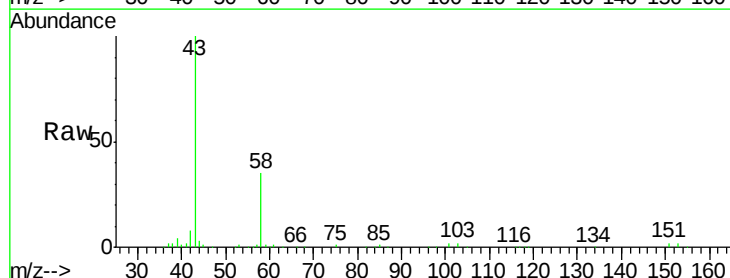
RT: 3.82 min Scan# 635

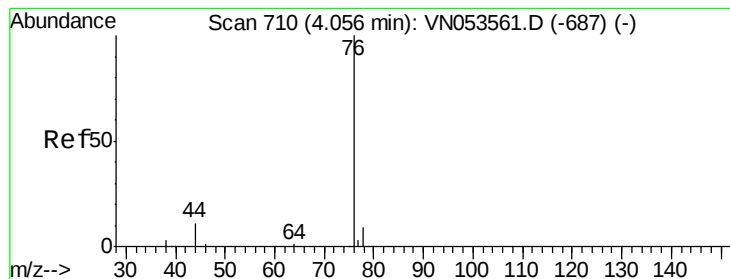
Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Tgt Ion:	43	Resp:	504318
Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.1	40.7





#17

Carbon Disulfide

Concen: 39.541 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA_N

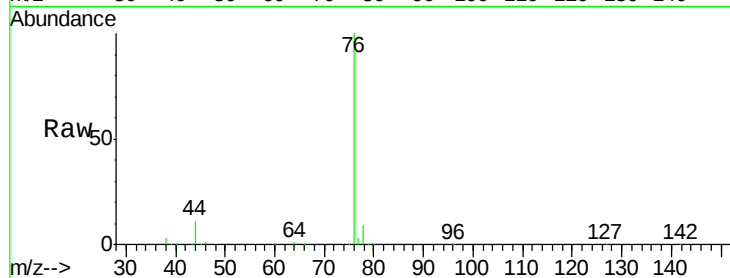
ClientSampleId :

Tot Ion: 76 Resp: 783066

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

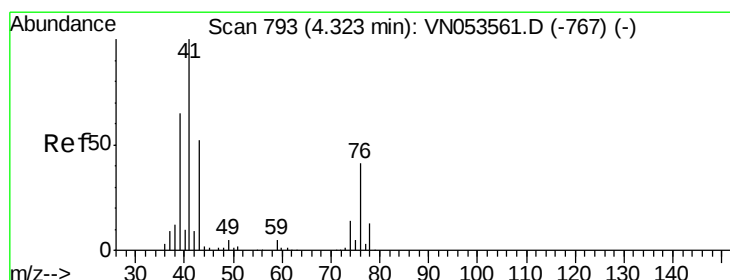
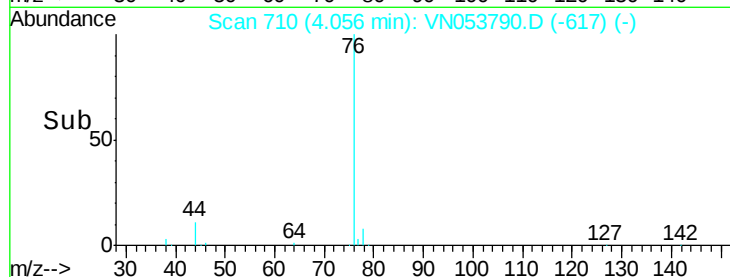
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 52.139 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN053790.D

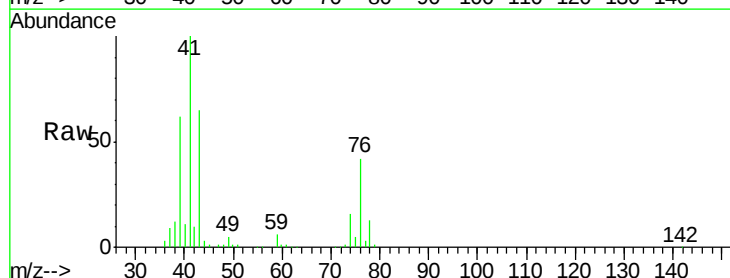
Acq: 15 Feb 2019 10:28

Tgt Ion: 43 Resp: 272898

Ion Ratio Lower Upper

43 100

74 24.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

100000

80000

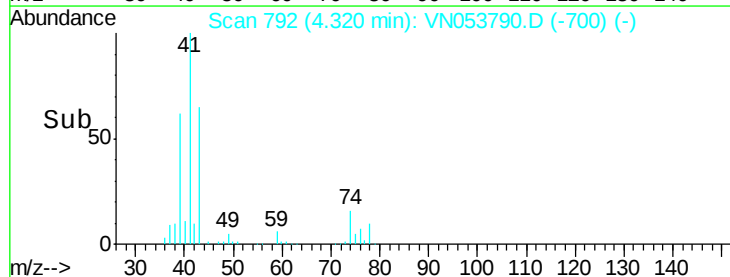
60000

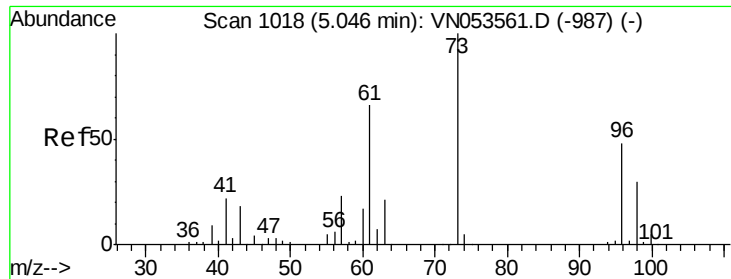
40000

20000

0

Time-->

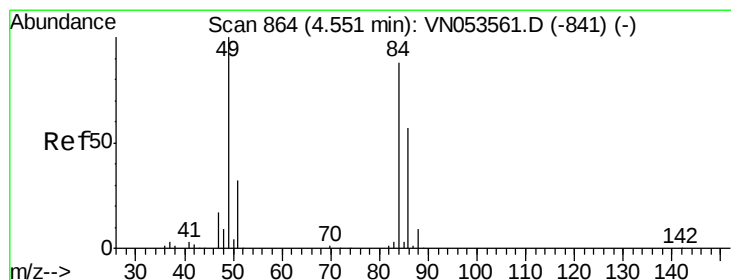
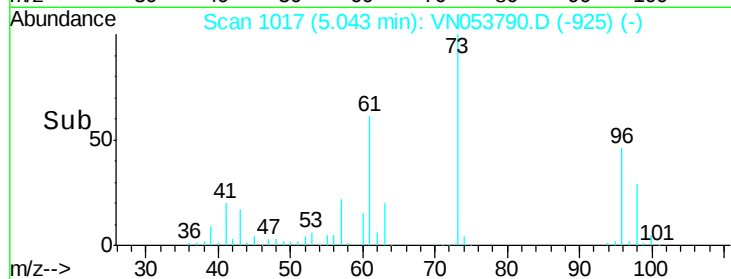
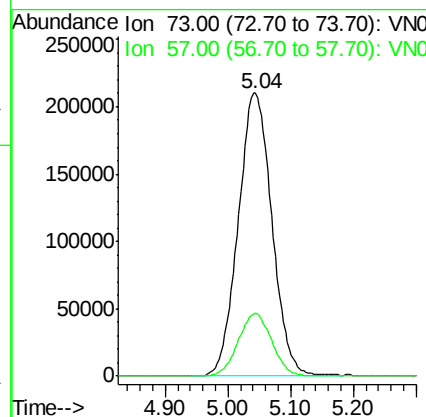
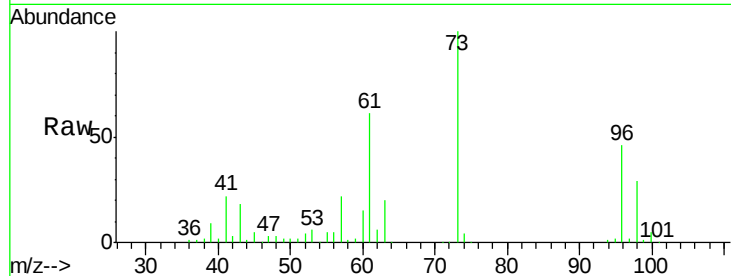




#19
Methvl tert-butvl Ether
Concen: 48.663 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

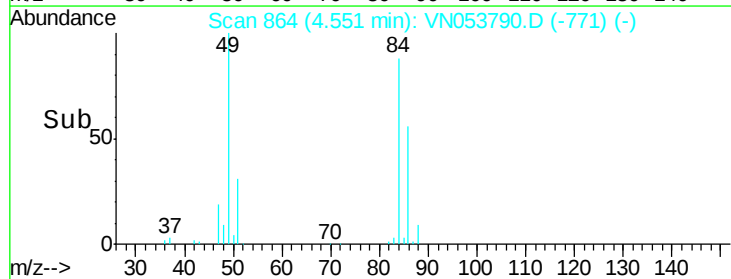
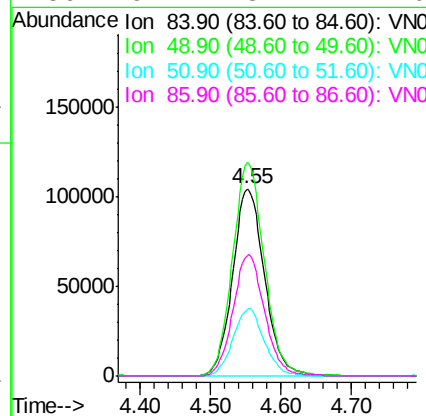
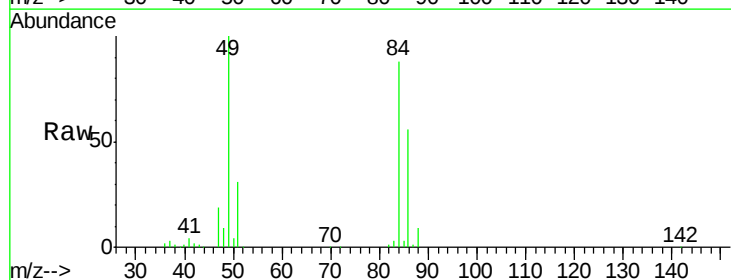
Instrument :
MSVOA_N
ClientSampled :

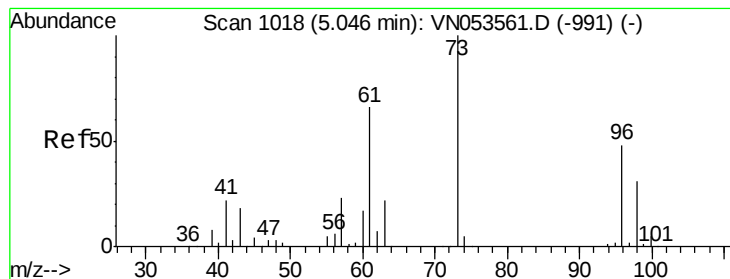
Tot Ion: 73 Resp: 784612
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5



#20
Methylene Chloride
Concen: 44.556 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion: 84 Resp: 330367
Ion Ratio Lower Upper
84 100
49 114.2 94.3 141.5
51 35.6 29.4 44.2
86 64.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 44.601 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :
MSVOA_N
ClientSampled :

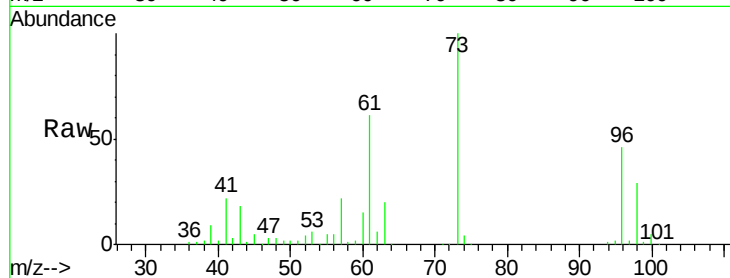
Tot Ion: 96 Resp: 306038

Ion Ratio Lower Upper

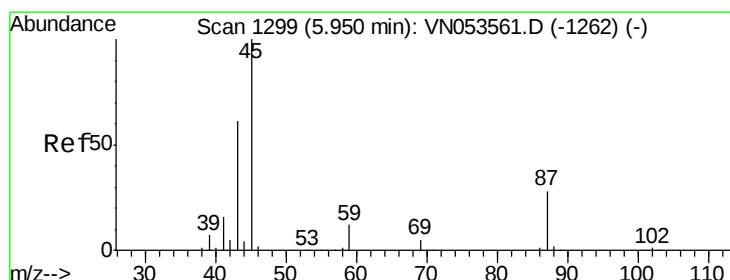
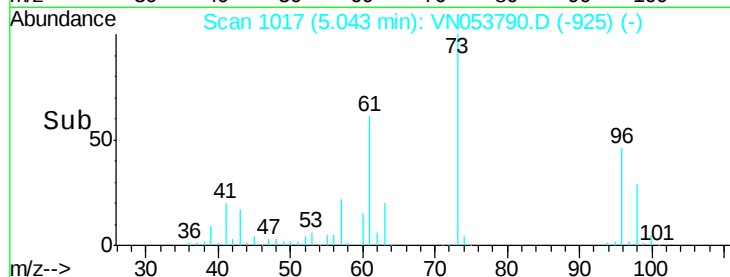
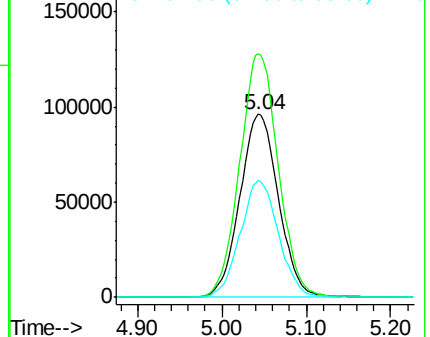
96 100

61 133.2 110.1 165.1

98 63.9 50.0 75.0



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



#22

Diisopropyl ether

Concen: 48.357 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Tgt Ion: 45 Resp: 907363

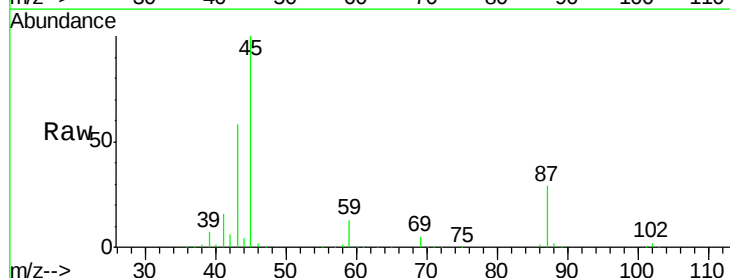
Ion Ratio Lower Upper

45 100

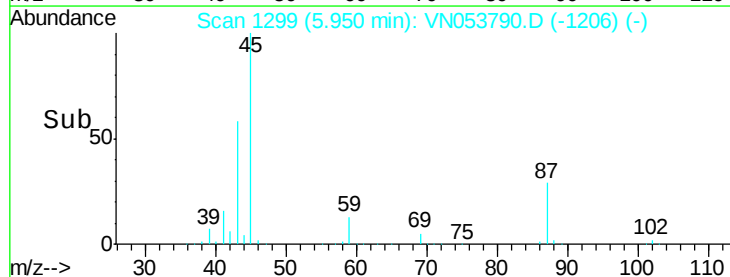
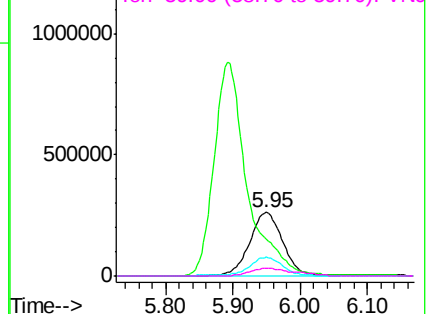
43 55.9 44.2 66.4

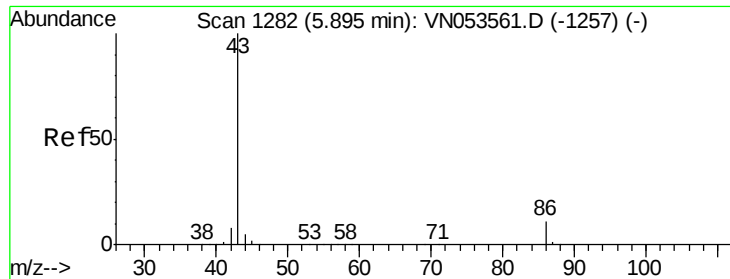
87 28.7 22.7 34.1

59 12.5 9.4 14.2



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





#23

Vinyl Acetate

Concen: 234.515 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

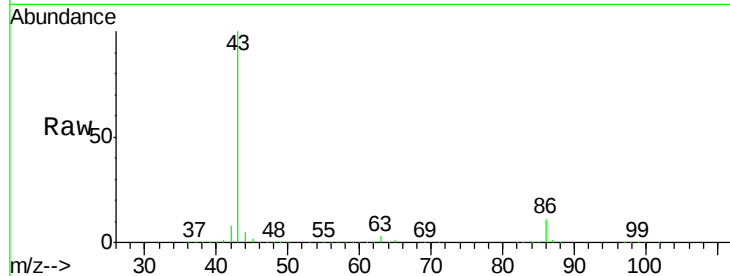
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3044160

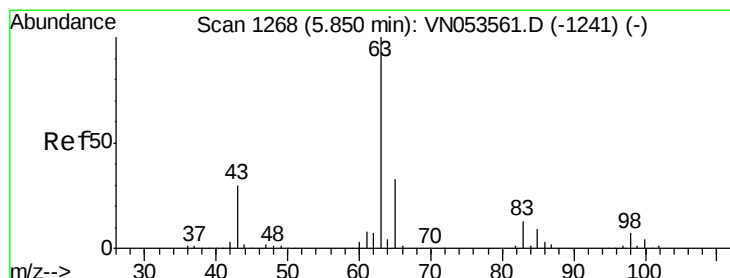
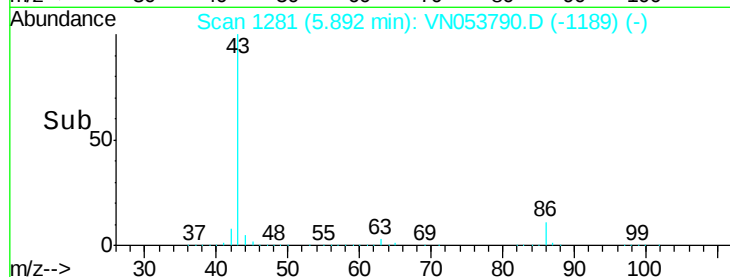
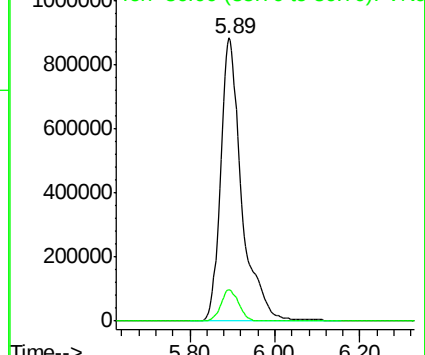
Ion Ratio Lower Upper

43 100

86 11.2 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN053790.D (-1189) (-)



#24

1,1-Dichloroethane

Concen: 46.285 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

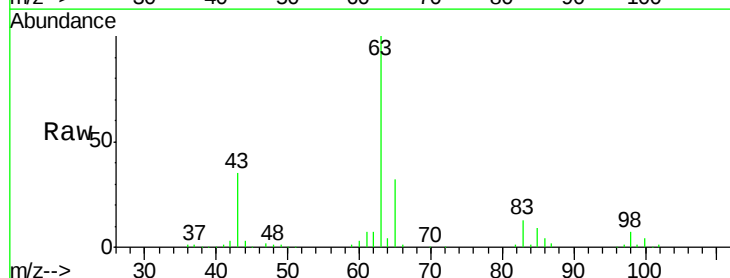
Tgt Ion: 63 Resp: 579279

Ion Ratio Lower Upper

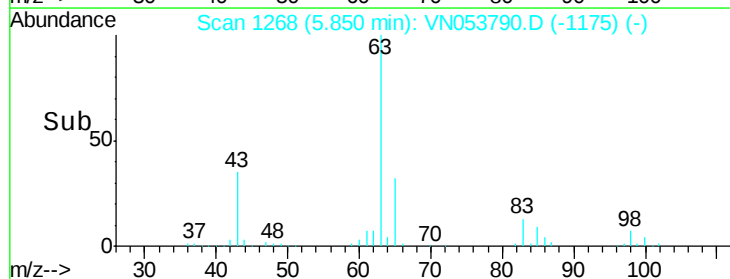
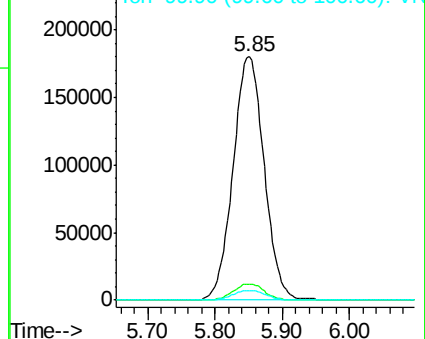
63 100

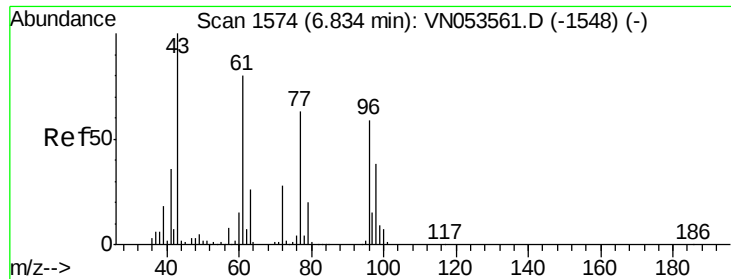
98 6.5 3.3 9.9

100 4.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN053790.D (-1175) (-)

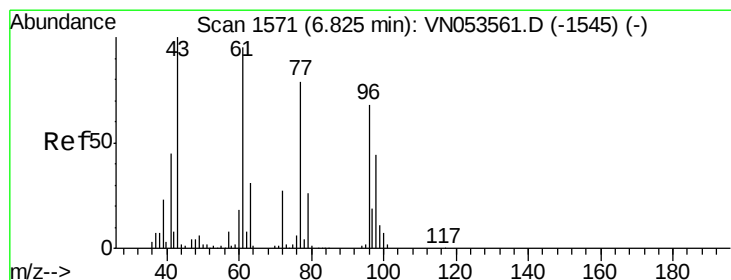
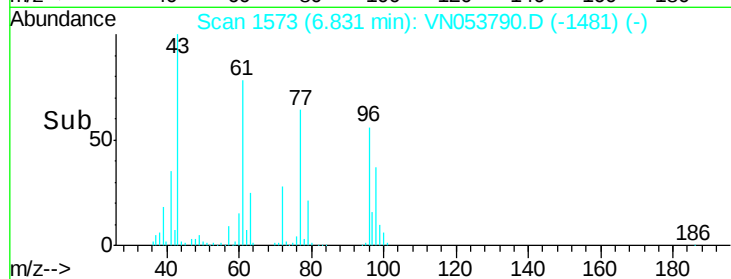
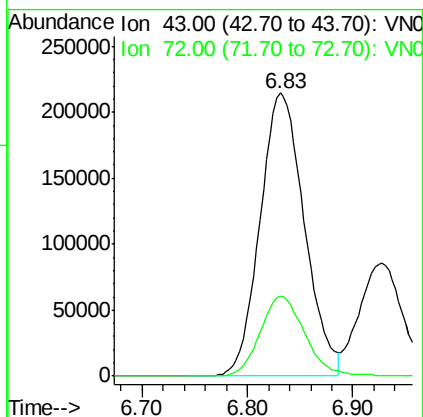
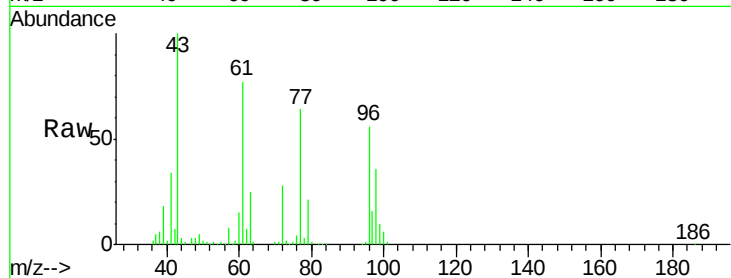




#25
 2-Butanone
 Concen: 247.560 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN053790.D
 Acq: 15 Feb 2019 10:28

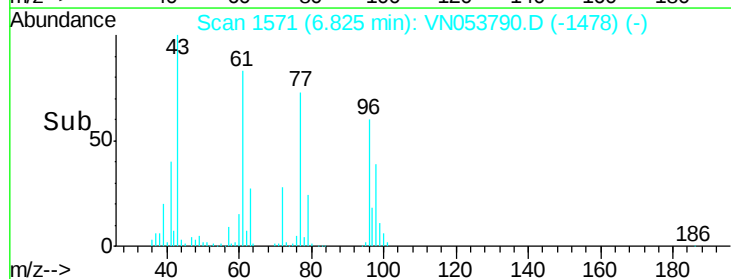
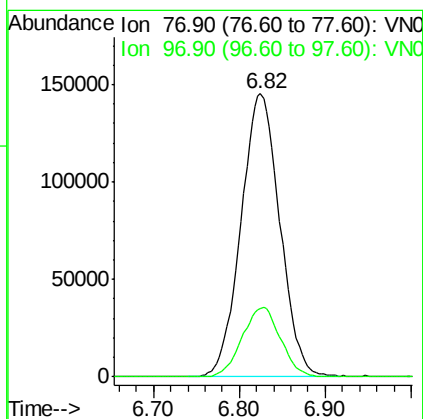
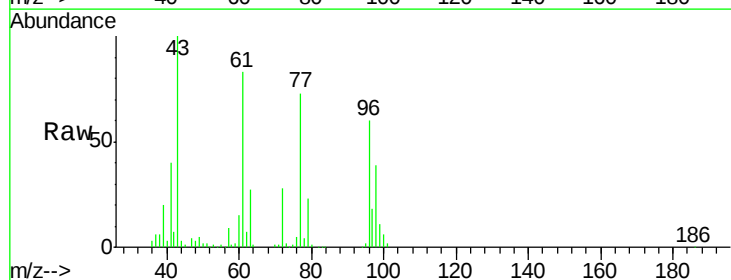
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 624004
 Ion Ratio Lower Upper
 43 100
 72 28.4 22.0 33.0



#26
 2,2-Dichloropropane
 Concen: 47.743 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN053790.D
 Acq: 15 Feb 2019 10:28

Tgt Ion: 77 Resp: 456129
 Ion Ratio Lower Upper
 77 100
 97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 46.785 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :

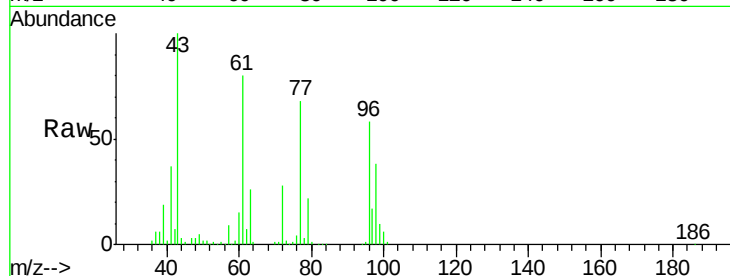
Tot Ion: 96 Resp: 356968

Ion Ratio Lower Upper

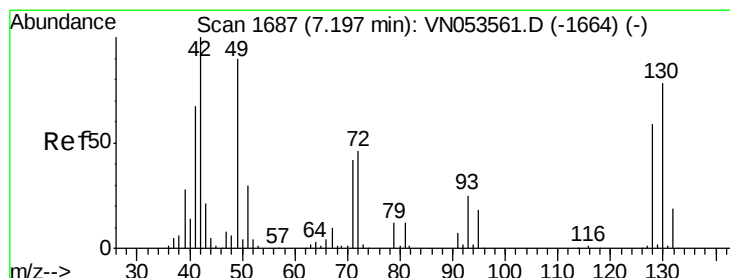
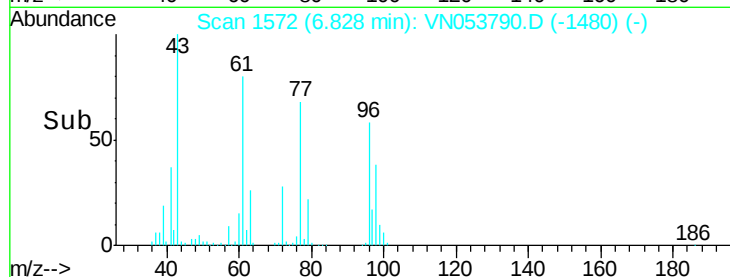
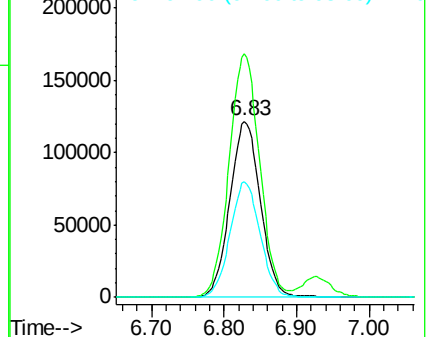
96 100

61 138.2 0.0 283.8

98 64.8 0.0 129.2



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: 41.945 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

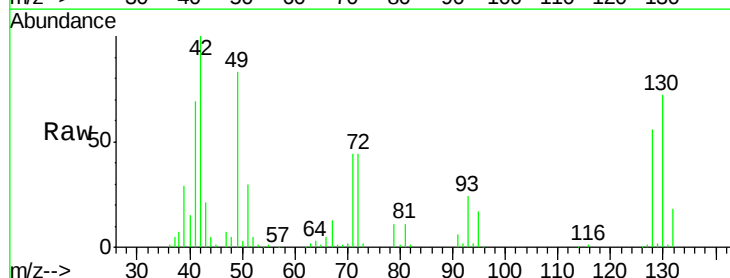
Tgt Ion: 49 Resp: 227809

Ion Ratio Lower Upper

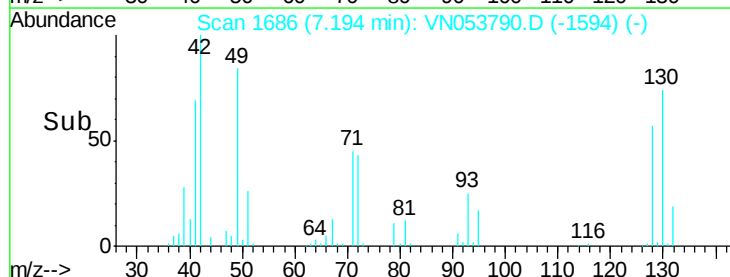
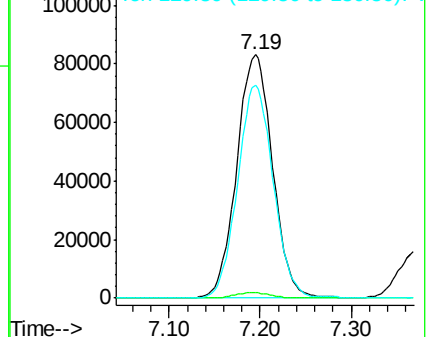
49 100

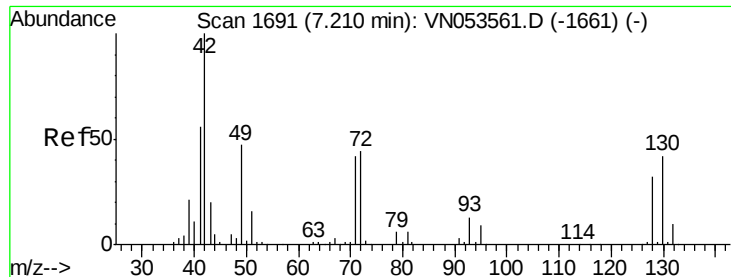
129 2.2 0.0 4.0

130 87.2 66.3 99.5



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

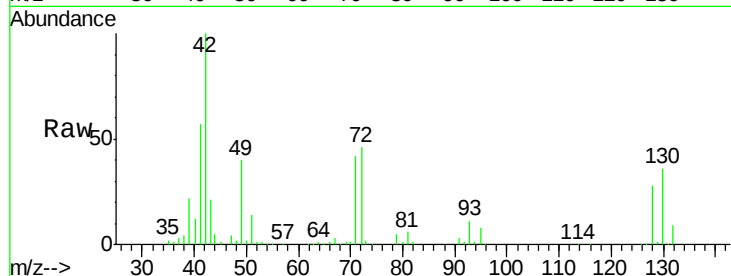




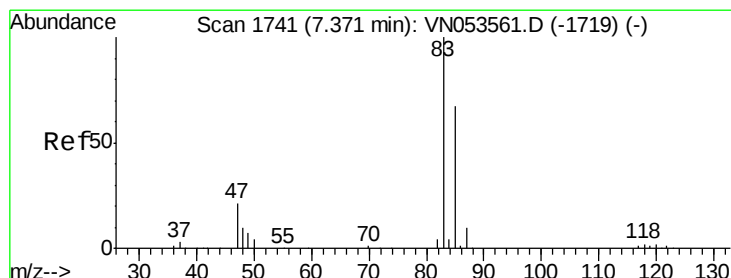
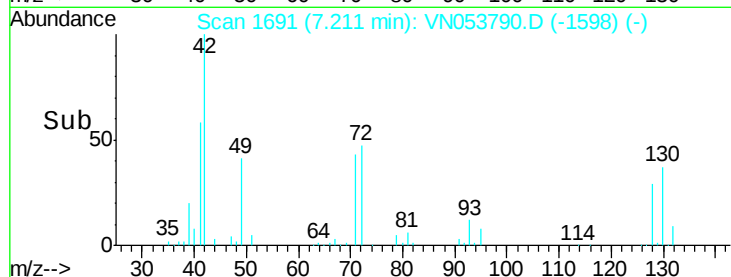
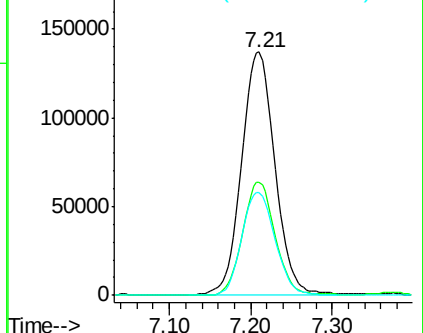
#29
Tetrahydrofuran
Concen: 237.718 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 384762
Ion Ratio Lower Upper
42 100
72 45.5 35.2 52.8
71 42.5 33.0 49.4

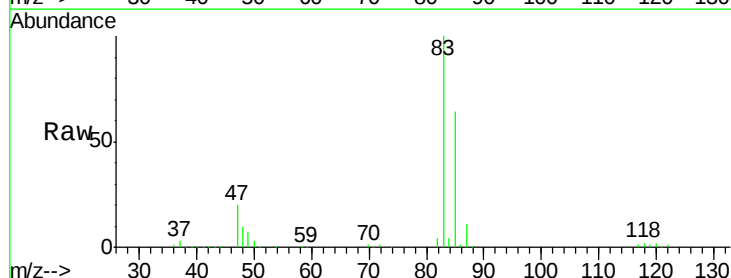


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

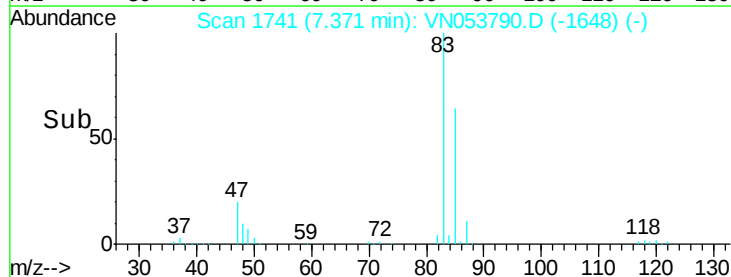
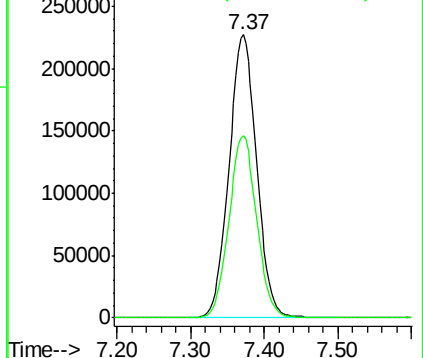


#30
Chloroform
Concen: 47.631 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion: 83 Resp: 590926
Ion Ratio Lower Upper
83 100
85 64.3 52.2 78.2



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





#31

Cyclohexane

Concen: 43.498 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :
MSVOA_N
ClientSampled :

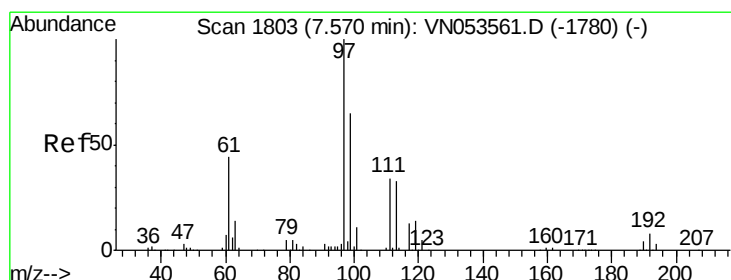
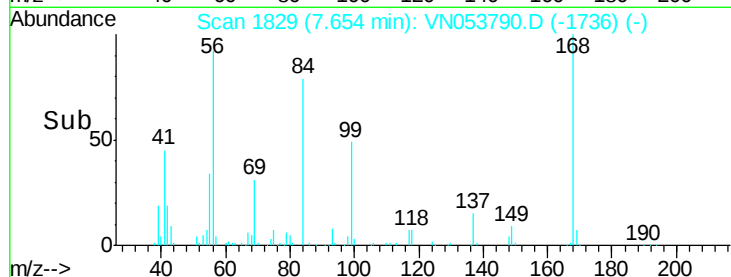
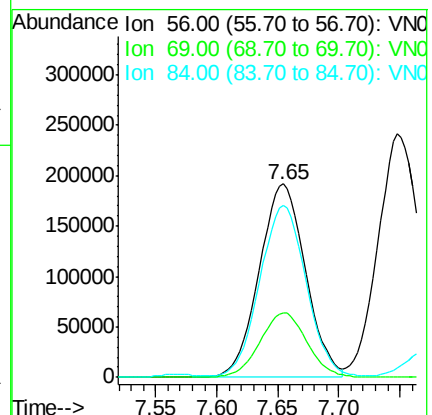
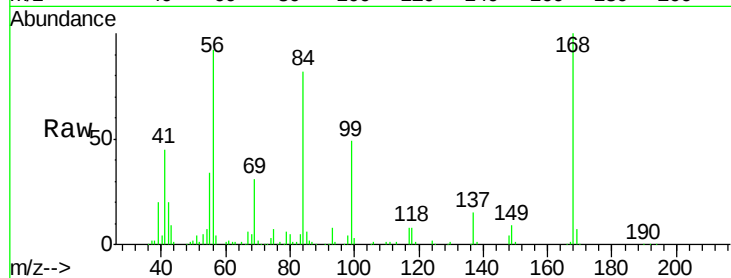
Tot Ion: 56 Resp: 507110

Ion Ratio Lower Upper

56 100

69 33.5 26.4 39.6

84 88.1 67.9 101.9



#32

1,1,1-Trichloroethane

Concen: 47.147 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

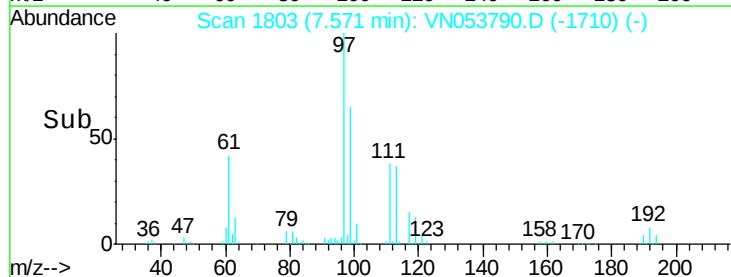
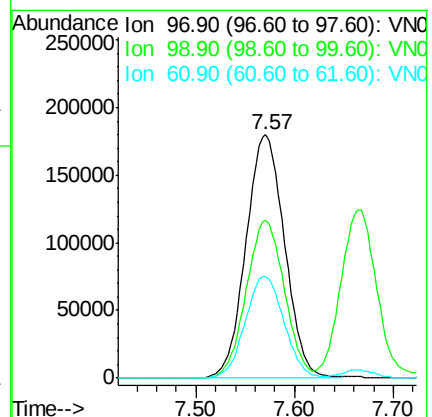
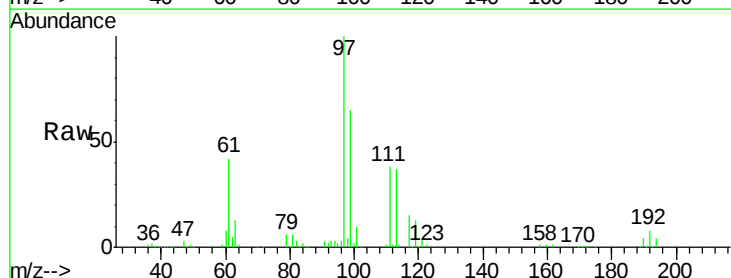
Tgt Ion: 97 Resp: 486779

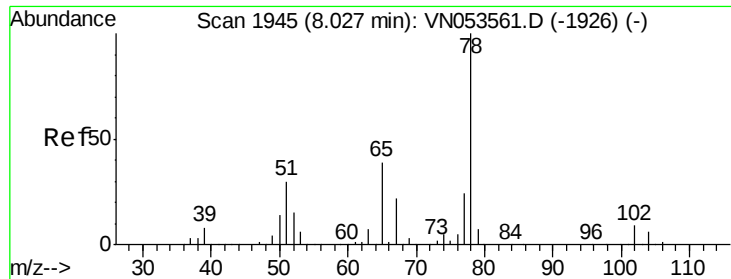
Ion Ratio Lower Upper

97 100

99 64.2 52.0 78.0

61 42.1 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 47.198 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

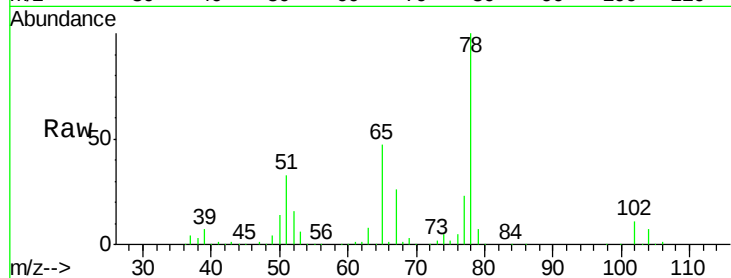
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 325199

Ion Ratio Lower Upper

65 100

67 55.8 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053790.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053790.D (-1852) (-)

8.02

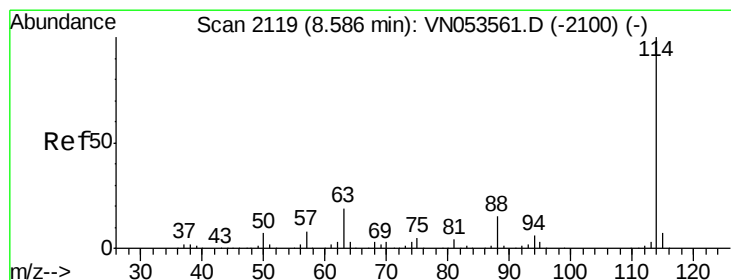
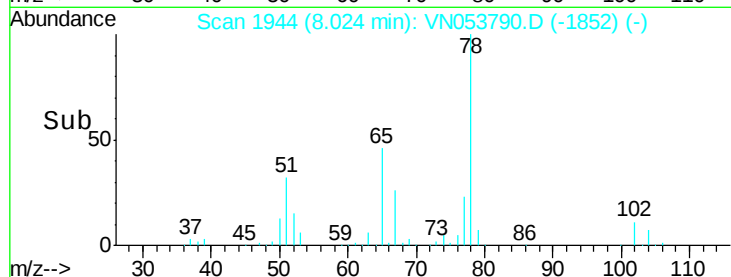
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

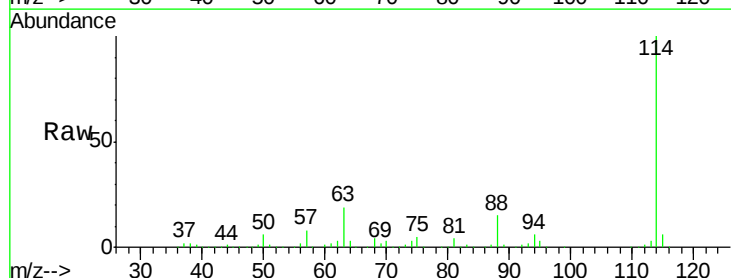
Tgt Ion:114 Resp: 988904

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.6

88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053790.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053790.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053790.D (-2026) (-)

8.58

600000

500000

400000

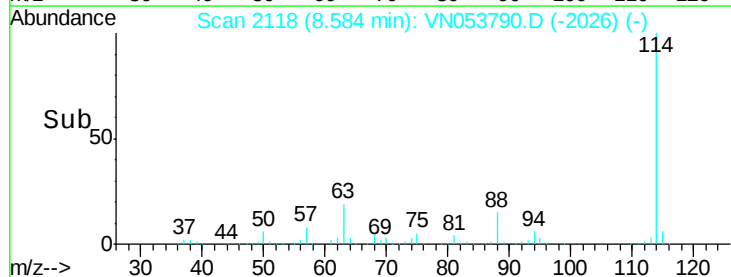
300000

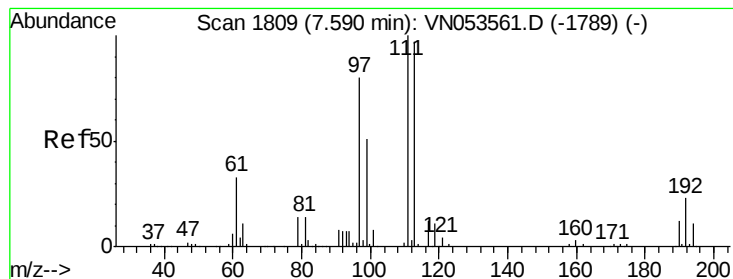
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.235 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :

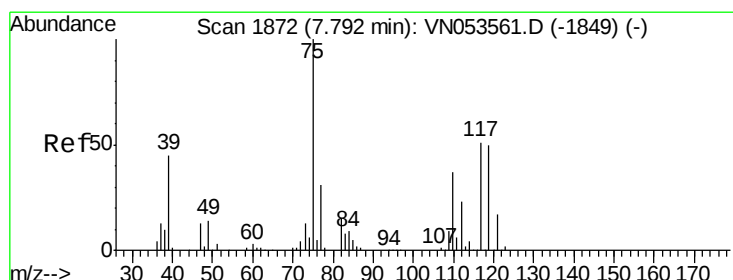
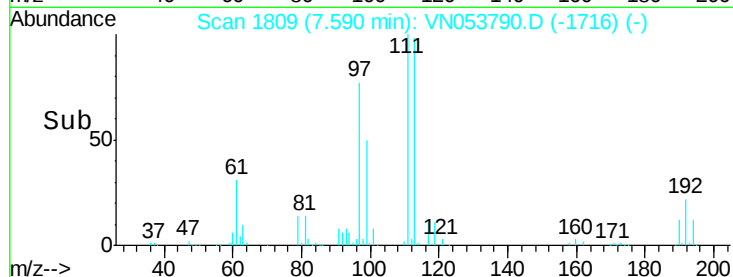
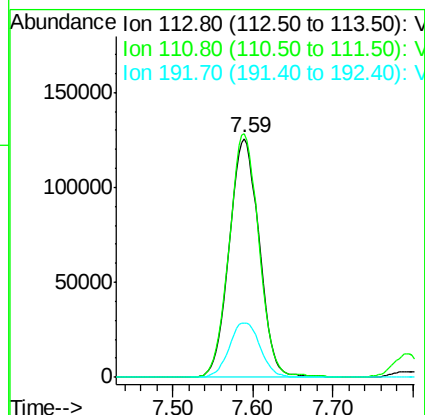
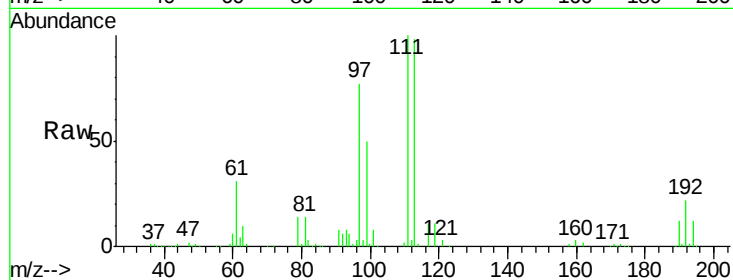
Tot Ion:113 Resp: 320145

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

192 23.5 18.2 27.2



#36

1,1-Dichloropropene

Concen: 48.254 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

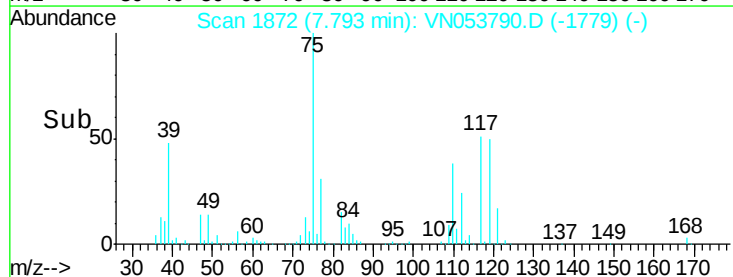
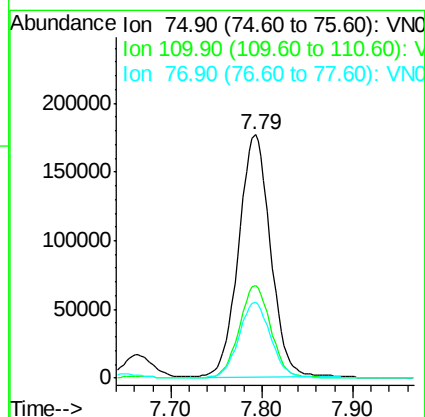
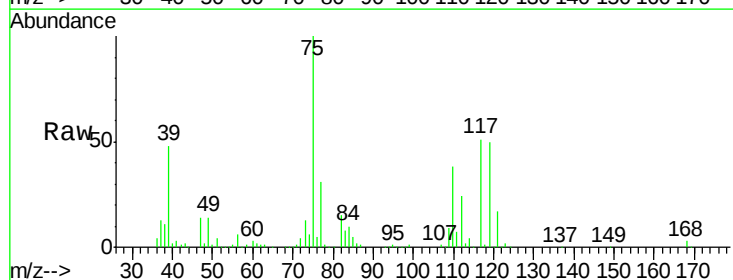
Tgt Ion: 75 Resp: 430155

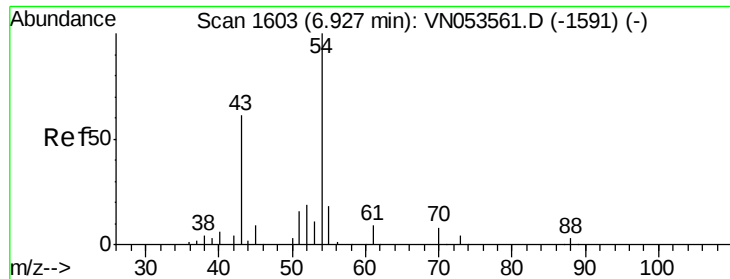
Ion Ratio Lower Upper

75 100

110 37.9 18.1 54.3

77 31.5 25.1 37.7

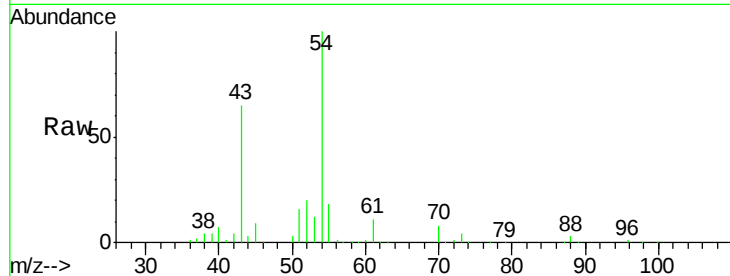




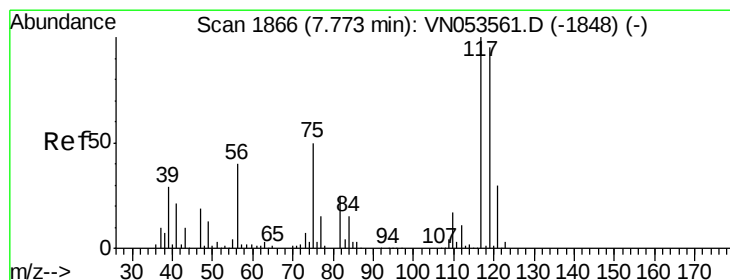
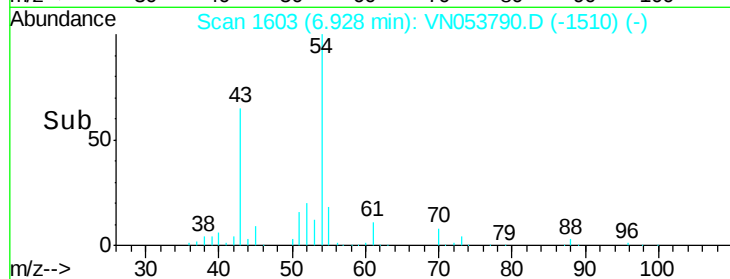
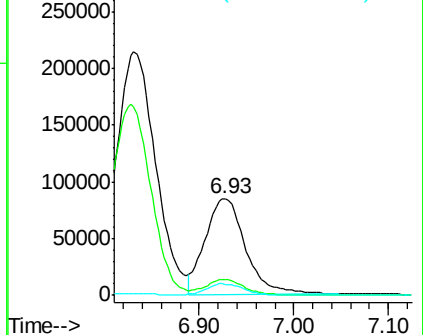
#37
Ethyl Acetate
Concen: 50.298 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 250418
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 11.4 8.6 12.8

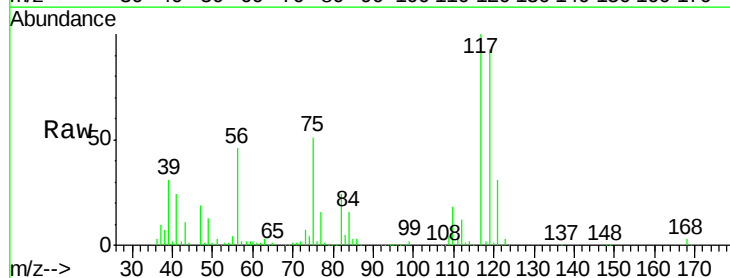


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

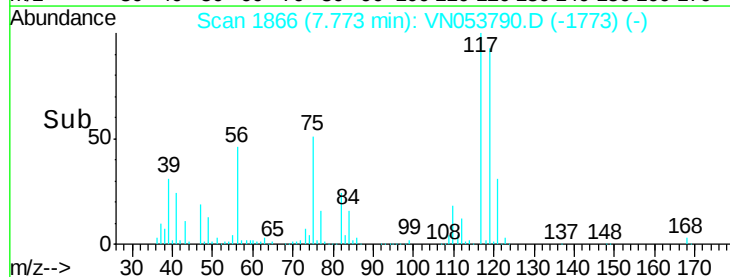
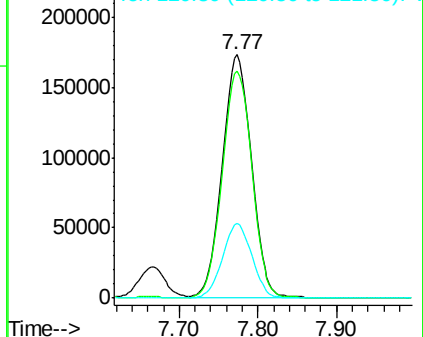


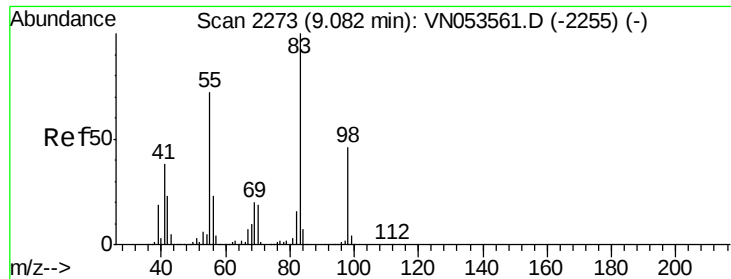
#38
Carbon Tetrachloride
Concen: 49.377 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion: 117 Resp: 443417
Ion Ratio Lower Upper
117 100
119 93.3 77.2 115.8
121 30.8 24.6 37.0



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

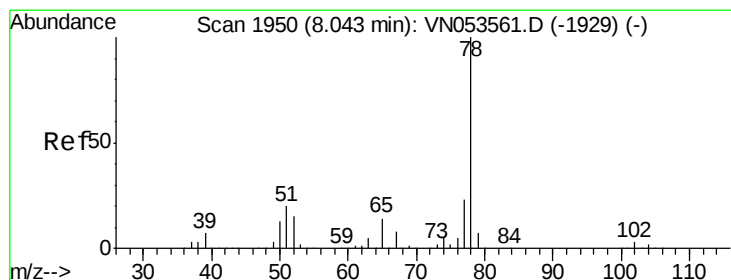
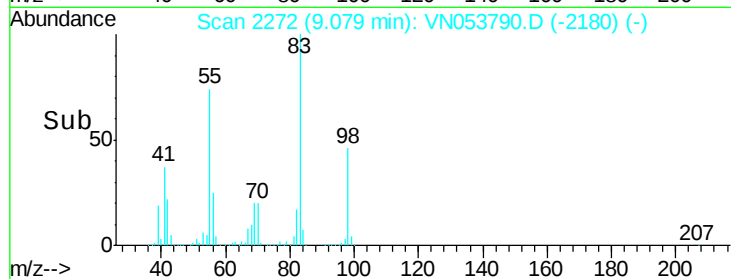
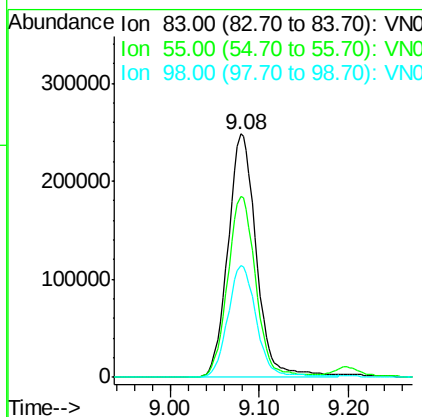
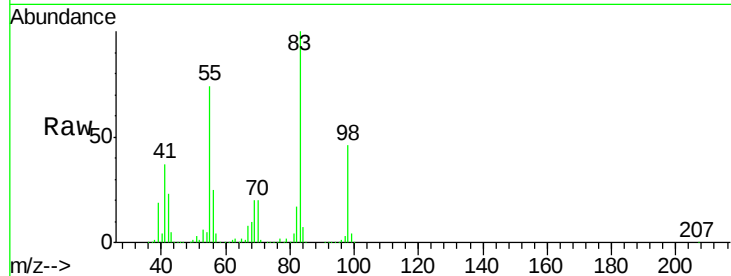




#39
Methvlcvclohexane
Concen: 51.971 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

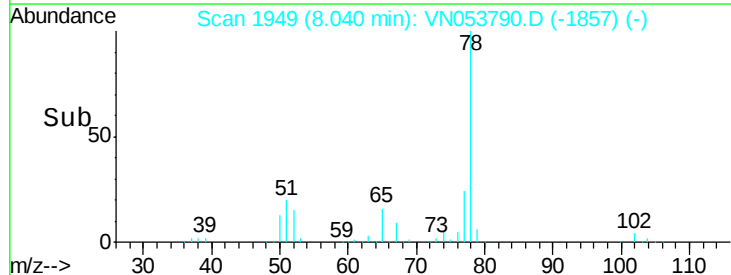
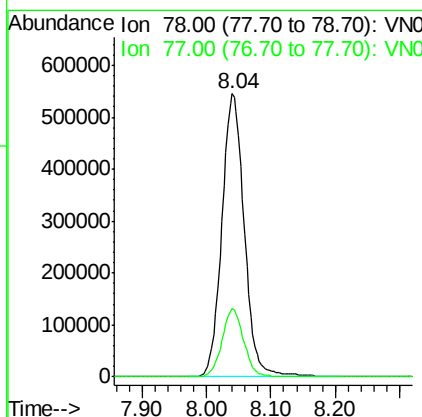
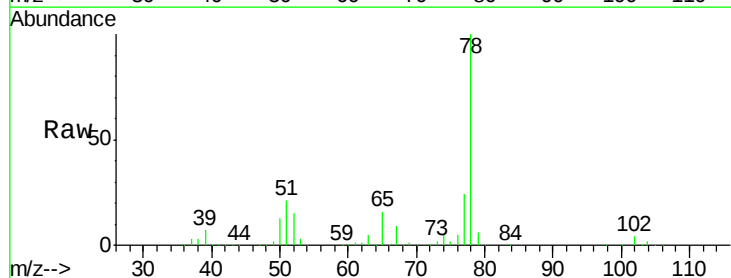
Instrument :
MSVOA_N
ClientSampleId :

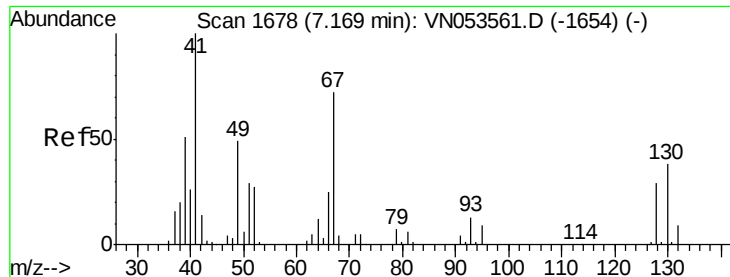
Tot Ion: 83 Resp: 549647
Ion Ratio Lower Upper
83 100
55 74.4 60.1 90.1
98 46.0 36.6 55.0



#40
Benzene
Concen: 48.090 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion: 78 Resp: 1321971
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

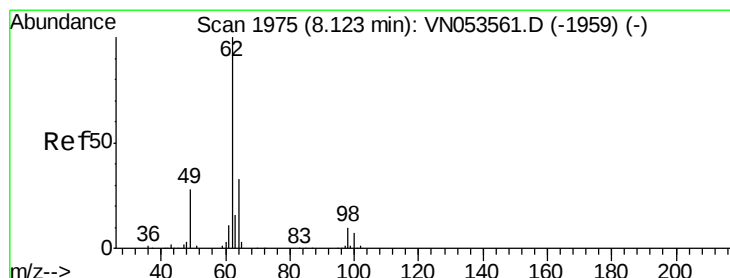
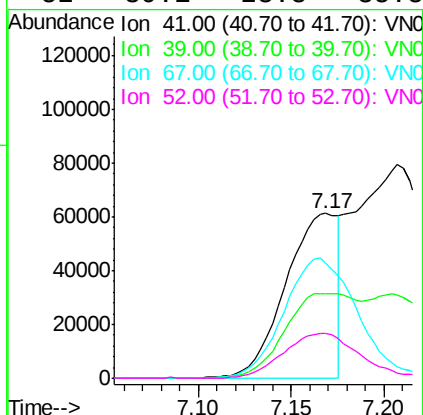
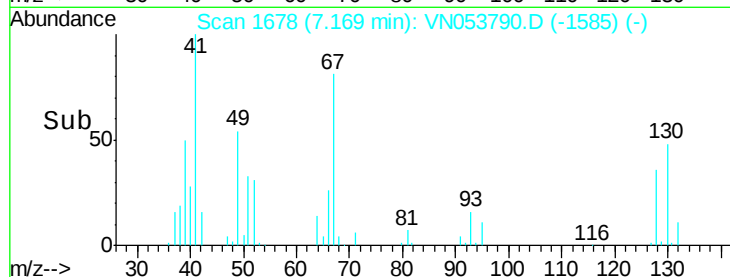
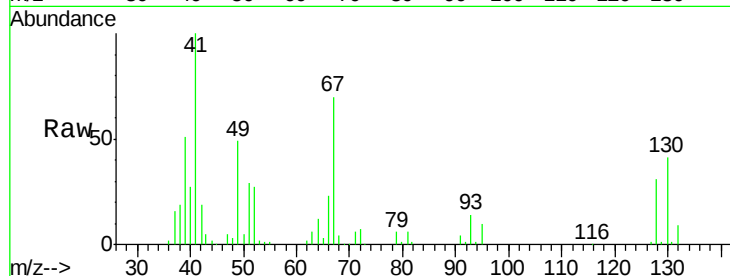




#41
Methacrylonitrile
Concen: 42.859 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

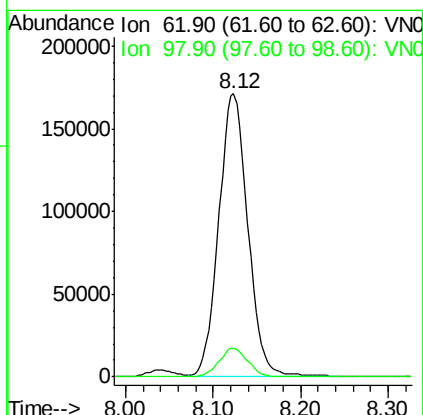
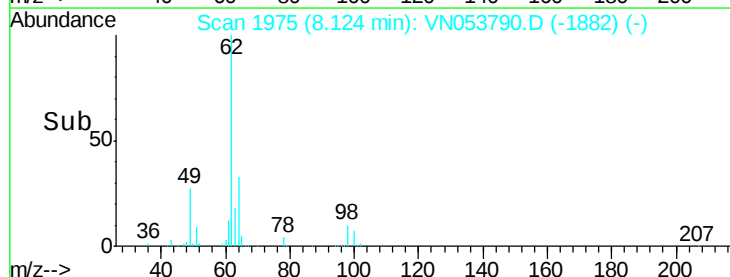
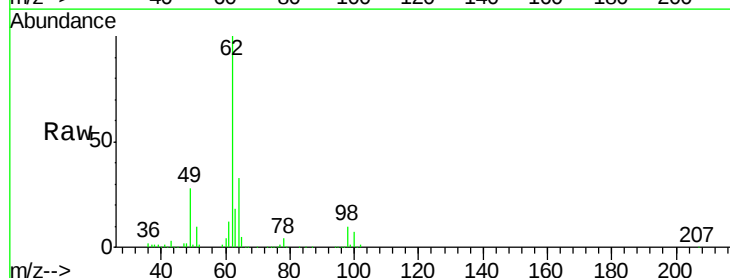
Instrument :
MSVOA_N
ClientSampled :

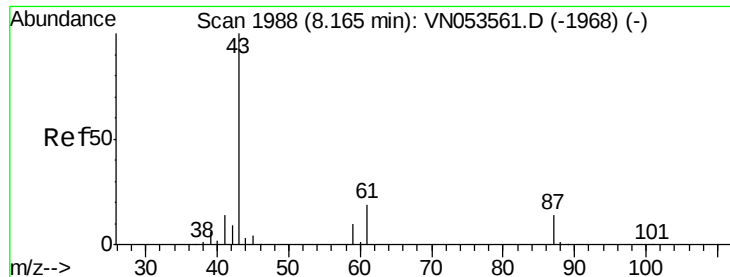
Tot Ion: 41 Resp: 119260
Ion Ratio Lower Upper
41 100
39 71.9 46.8 70.2#
67 104.3 63.0 94.6#
52 39.1 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 48.188 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion: 62 Resp: 393320
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.6





#43

Isopropyl Acetate

Concen: 45.151 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

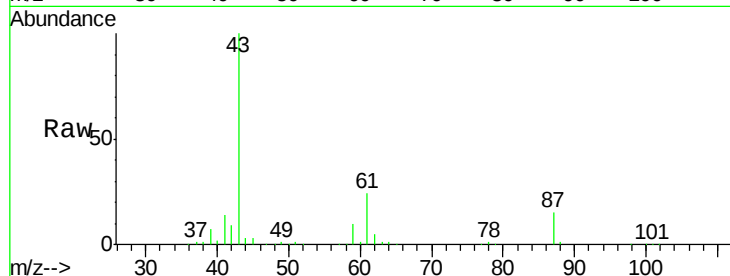
Tot Ion: 43 Resp: 434128

Ion Ratio Lower Upper

43 100

61 31.7 23.9 35.9

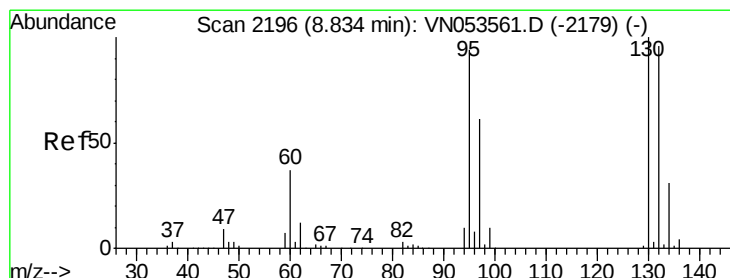
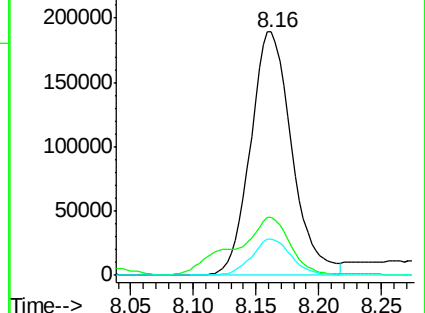
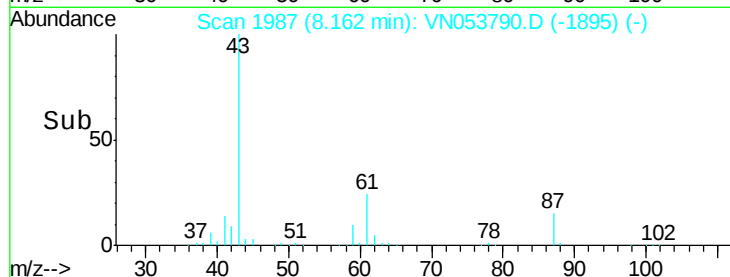
87 14.3 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053790.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN053790.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN053790.D (-1895) (-)



#44

Trichloroethene

Concen: 49.585 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053790.D

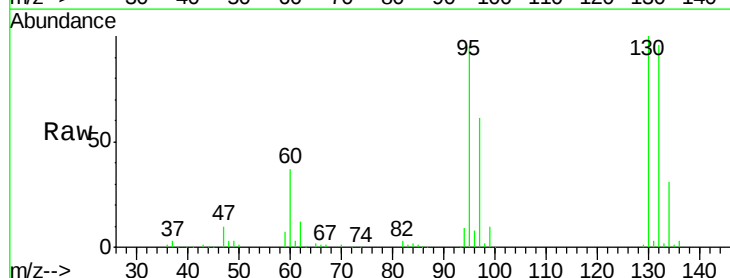
Acq: 15 Feb 2019 10:28

Tgt Ion:130 Resp: 388056

Ion Ratio Lower Upper

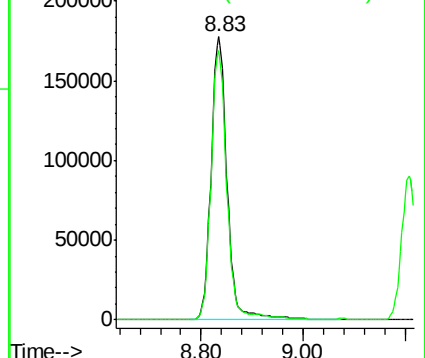
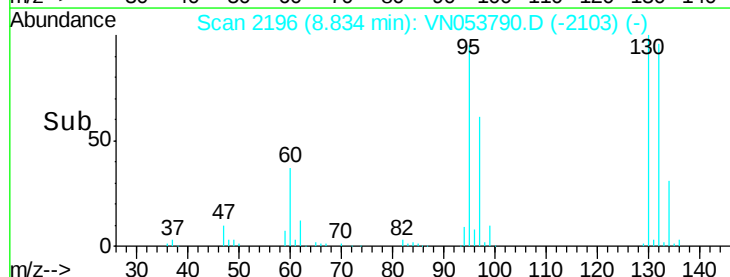
130 100

95 95.2 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053790.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN053790.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 51.392 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

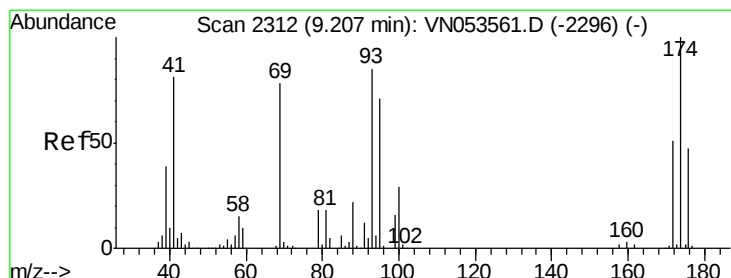
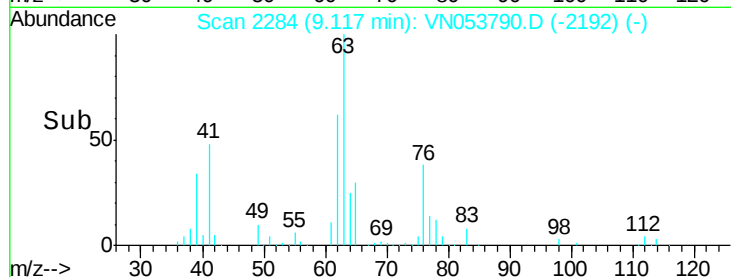
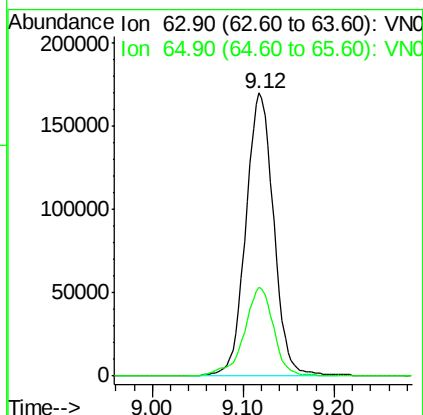
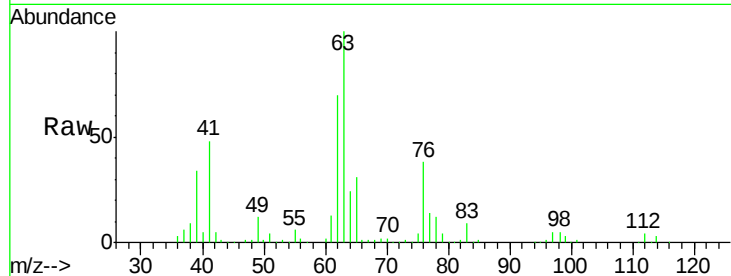
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 361343

Ion Ratio Lower Upper

63 100

65 31.3 25.0 37.4



#46

Dibromomethane

Concen: 51.647 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

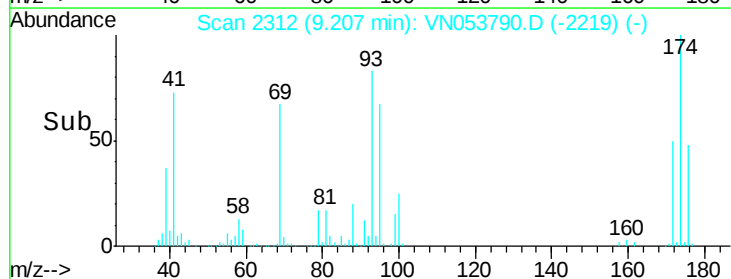
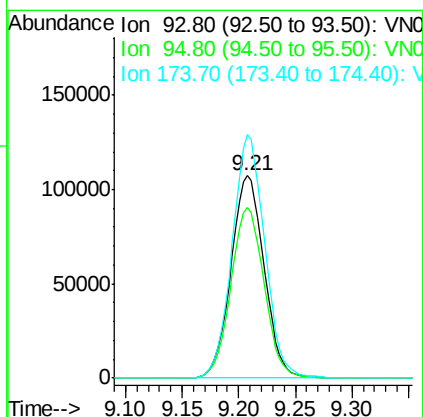
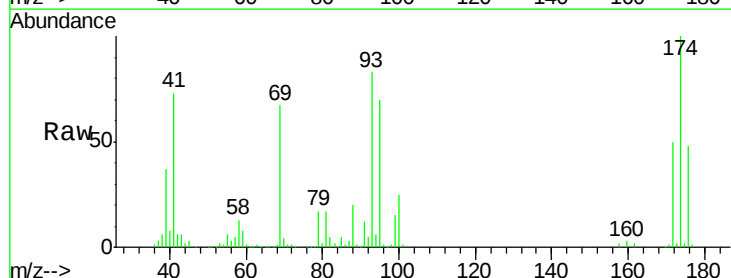
Tgt Ion: 93 Resp: 218906

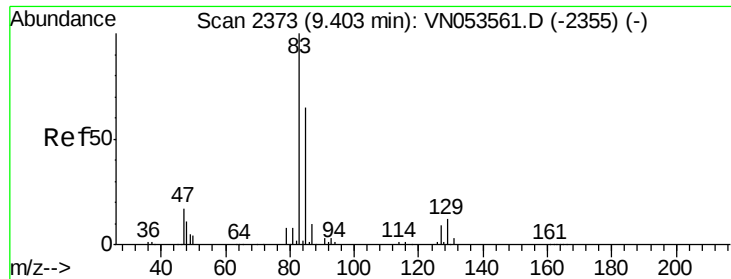
Ion Ratio Lower Upper

93 100

95 84.6 67.3 100.9

174 118.3 91.0 136.4

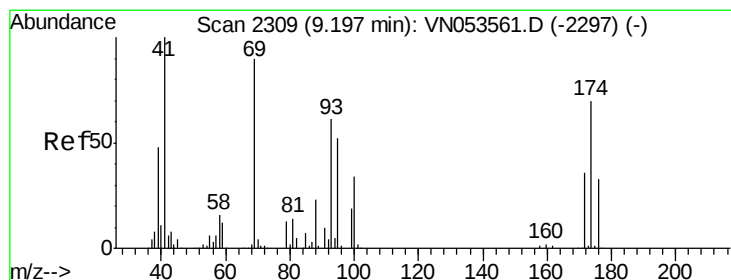
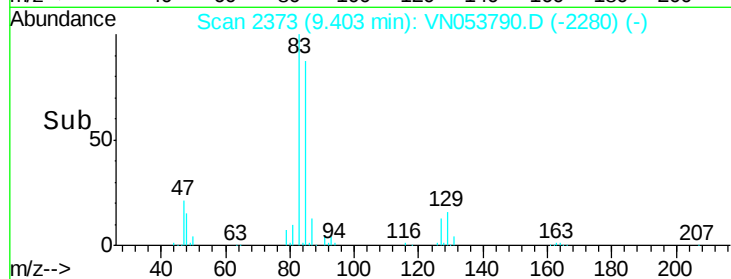
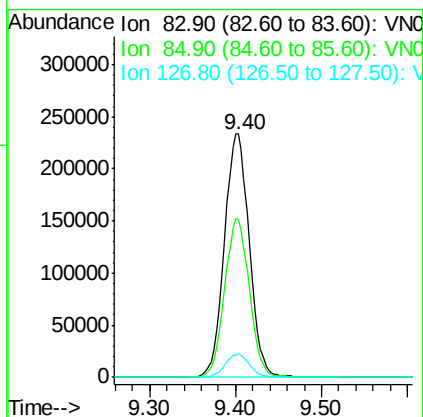
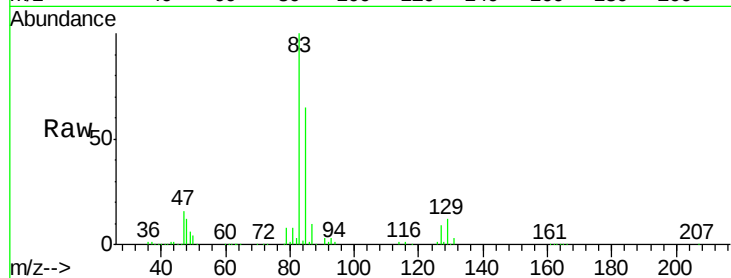




#47
Bromodichloromethane
Concen: 53.203 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

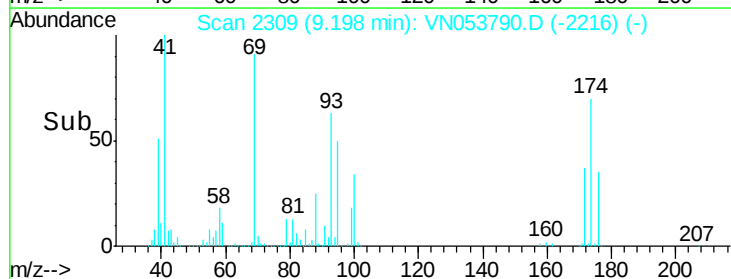
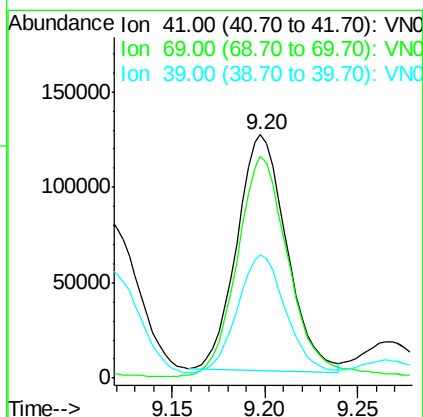
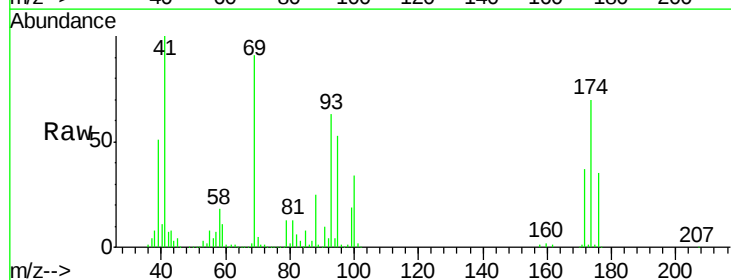
Instrument :
MSVOA_N
ClientSampled :

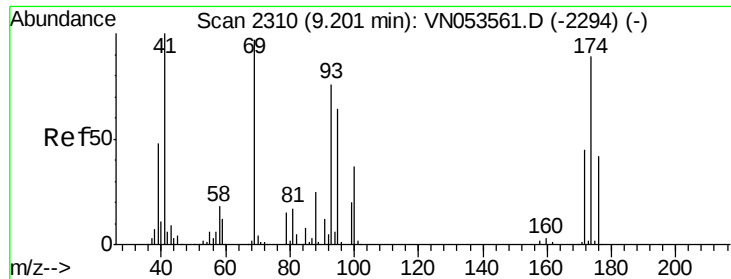
Tot Ion: 83 Resp: 468852
Ion Ratio Lower Upper
83 100
85 64.8 51.0 76.6
127 9.4 7.0 10.6



#48
Methyl methacrylate
Concen: 50.003 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion: 41 Resp: 229494
Ion Ratio Lower Upper
41 100
69 99.3 73.8 110.6
39 53.3 40.0 60.0

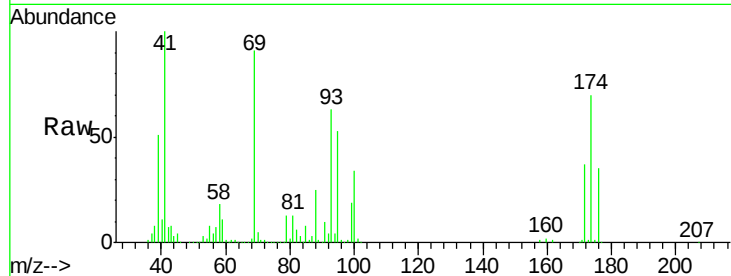




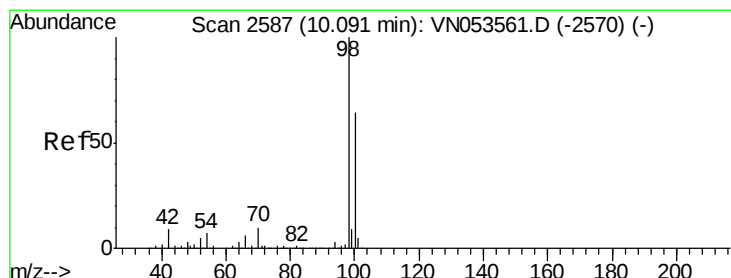
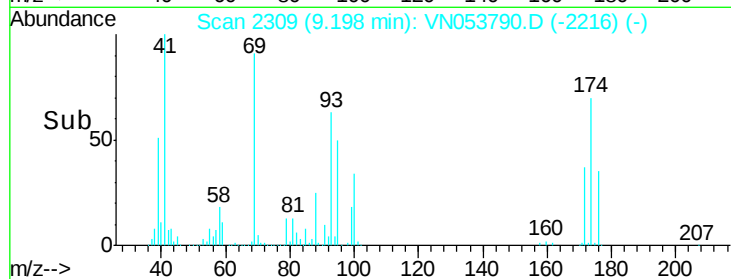
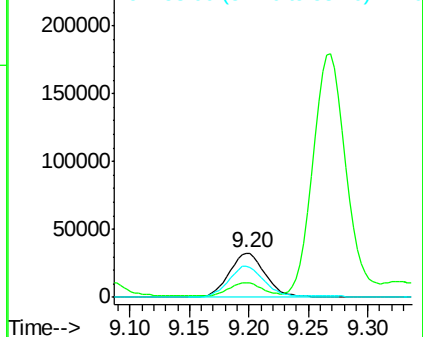
#49
1,4-Dioxane
Concen: 1033.600 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 68829
Ion Ratio Lower Upper
88 100
43 28.2 27.8 41.6
58 68.7 56.5 84.7

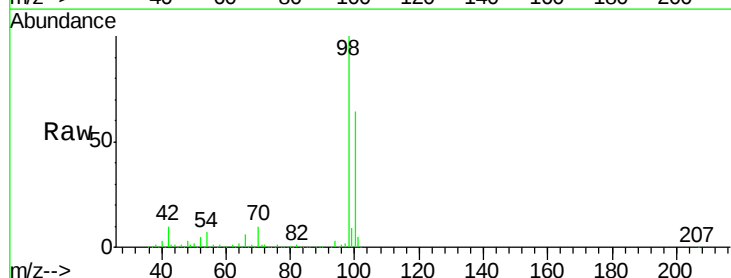


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

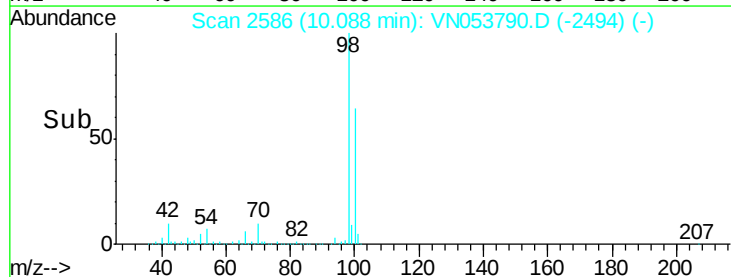
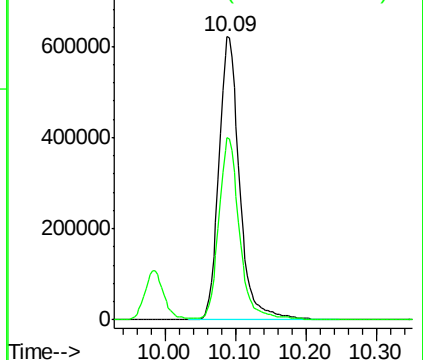


#50
Toluene-d8
Concen: 54.090 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion: 98 Resp: 1269079
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



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: 280.256 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA_N

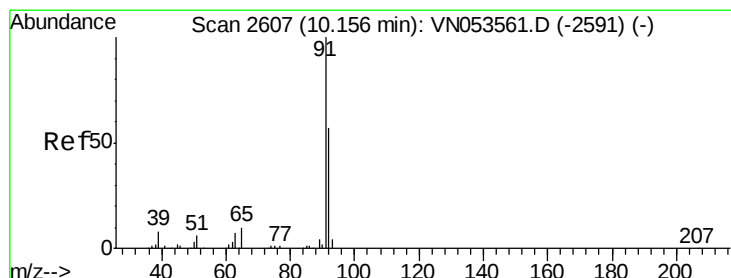
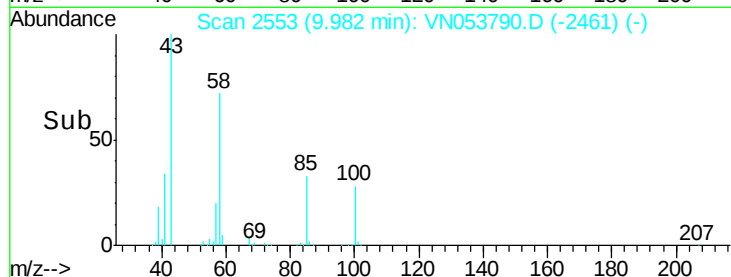
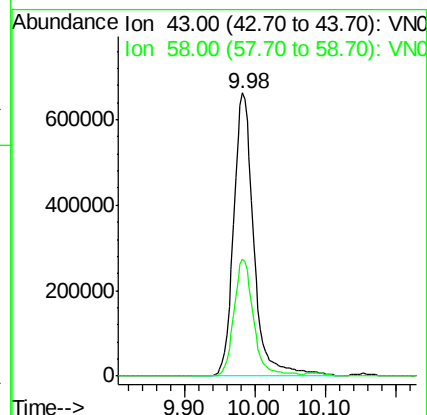
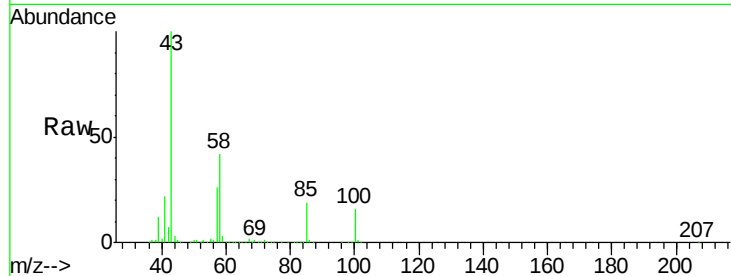
ClientSampled :

Tot Ion: 43 Resp: 1324153

Ion Ratio Lower Upper

43 100

58 40.5 32.8 49.2



#52

Toluene

Concen: 53.091 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053790.D

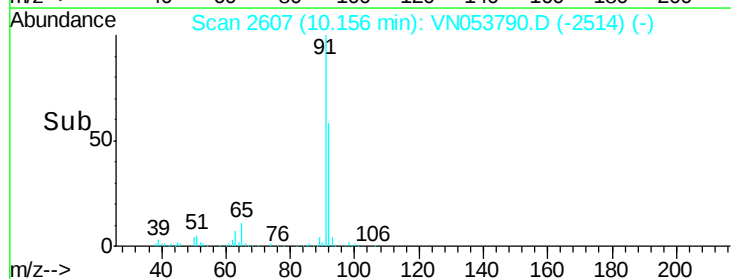
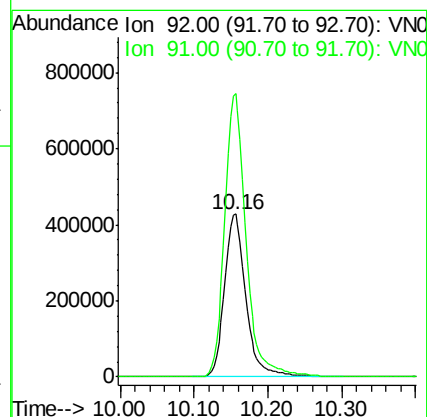
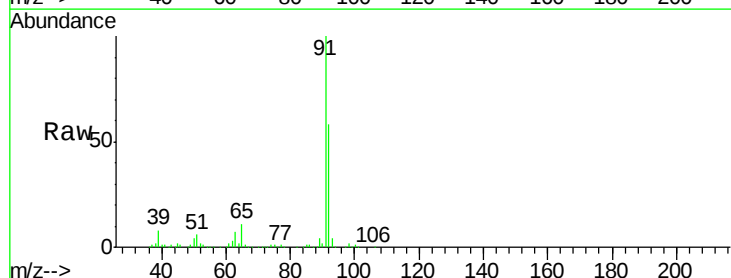
Acq: 15 Feb 2019 10:28

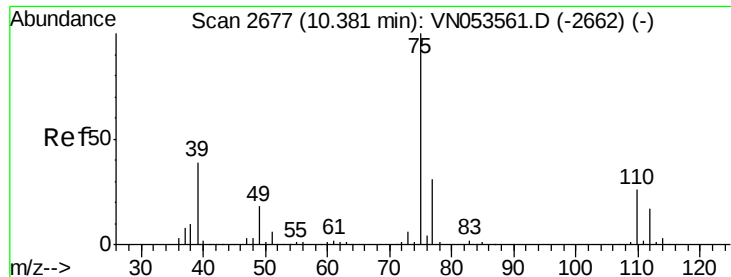
Tgt Ion: 92 Resp: 866183

Ion Ratio Lower Upper

92 100

91 173.7 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 54.216 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA_N

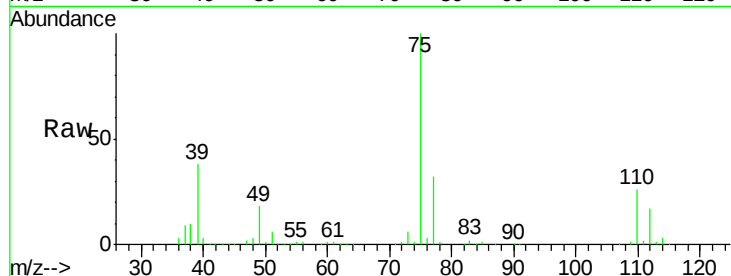
ClientSampled :

Tot Ion: 75 Resp: 478425

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

150000

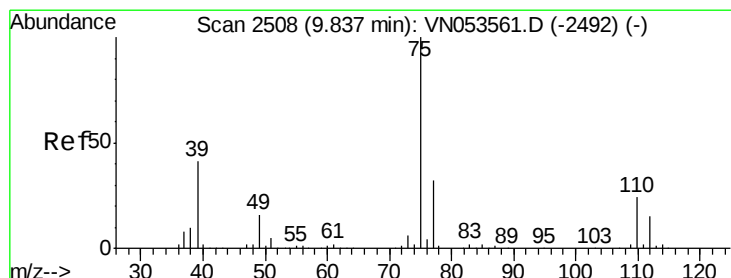
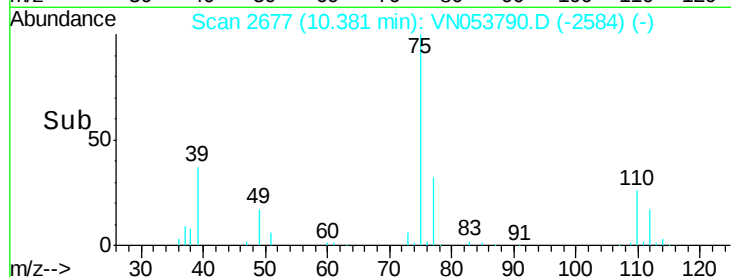
100000

50000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 51.686 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

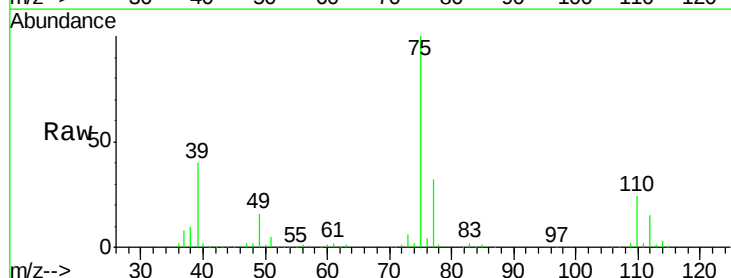
Tgt Ion: 75 Resp: 540473

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6

39 39.5 33.4 50.0



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

9.84

400000

300000

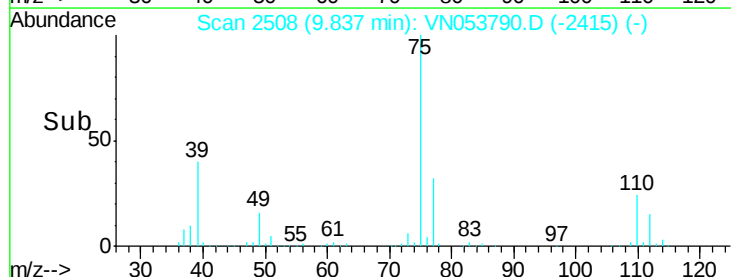
200000

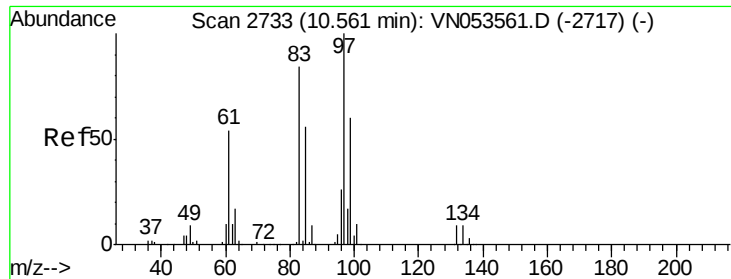
100000

0

Time-->

9.70 9.80 9.90 10.00





#55

1,1,2-Trichloroethane

Concen: 54.945 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 323021

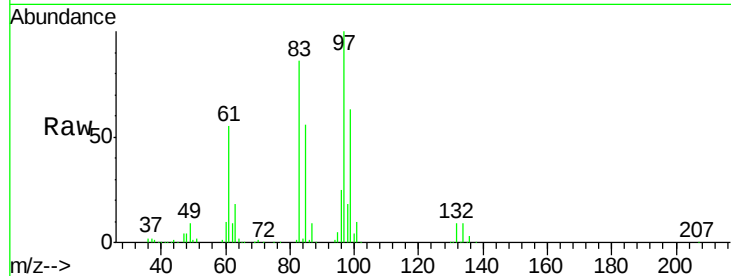
Ion Ratio Lower Upper

97 100

83 85.8 70.1 105.1

85 56.0 45.4 68.0

99 63.2 49.8 74.8

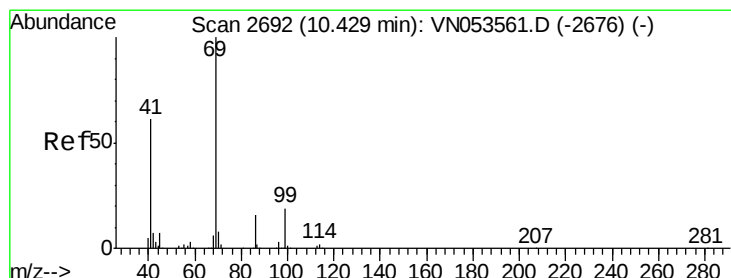
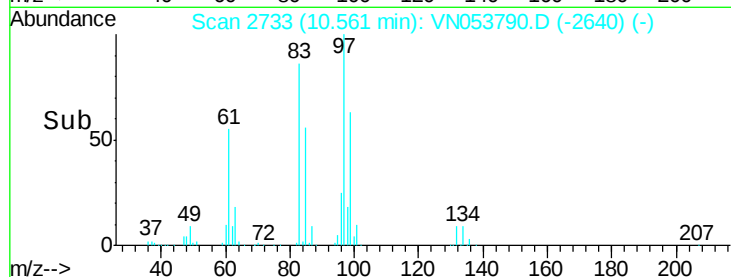
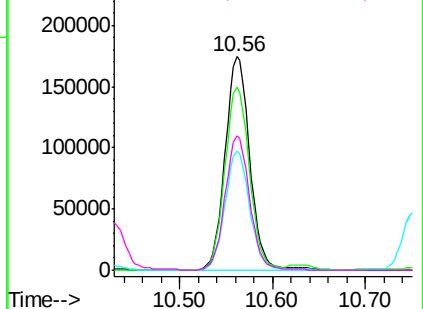


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 55.014 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

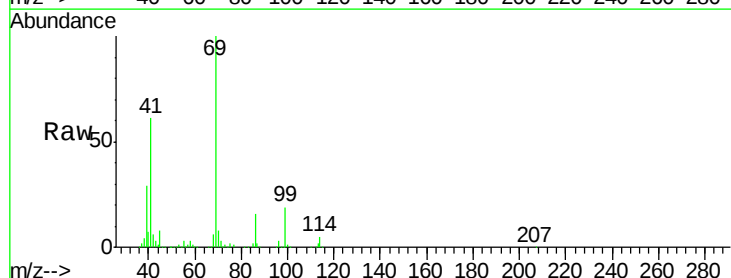
Tgt Ion: 69 Resp: 382612

Ion Ratio Lower Upper

69 100

41 59.8 49.4 74.0

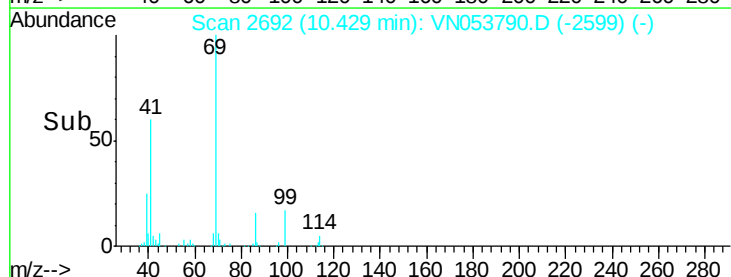
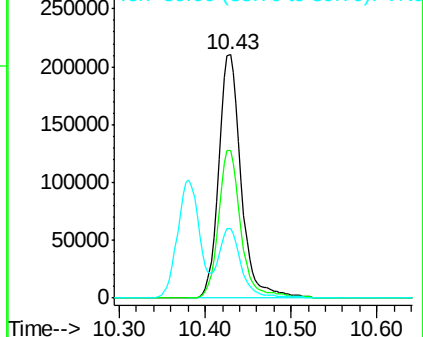
39 28.8 23.3 34.9

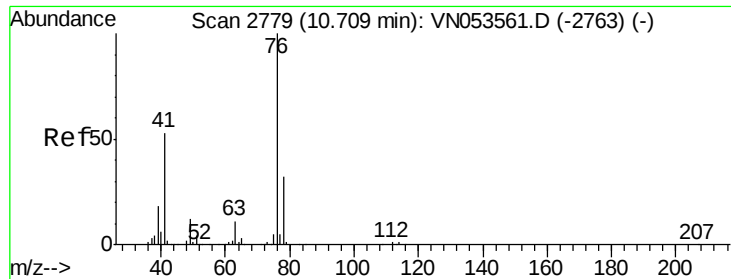


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.695 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA_N

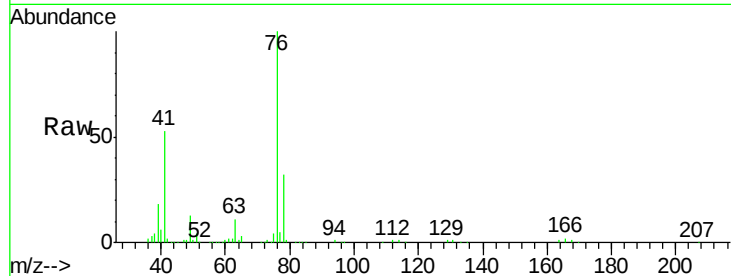
ClientSampled :

Tot Ion: 76 Resp: 529455

Ion Ratio Lower Upper

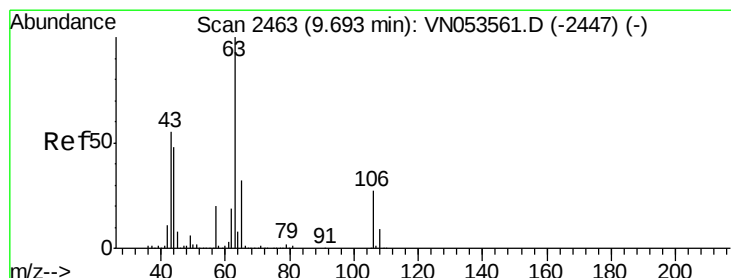
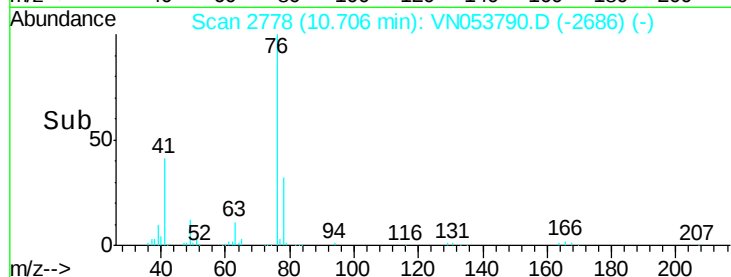
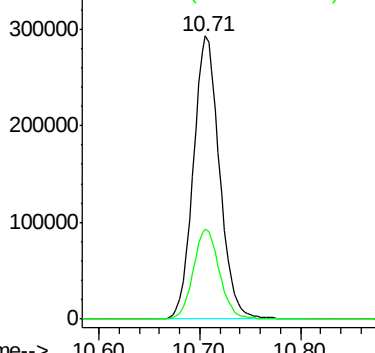
76 100

78 31.9 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 248.757 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053790.D

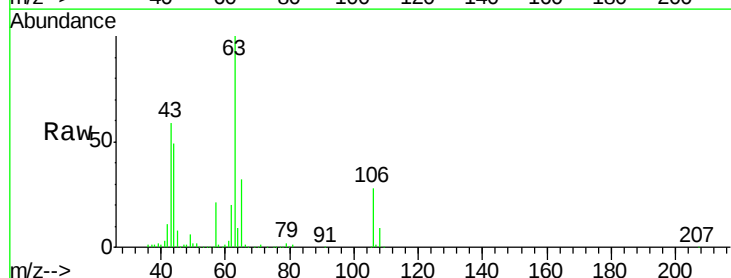
Acq: 15 Feb 2019 10:28

Tgt Ion: 63 Resp: 1072759

Ion Ratio Lower Upper

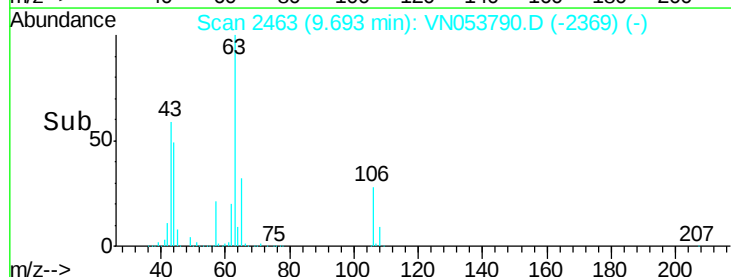
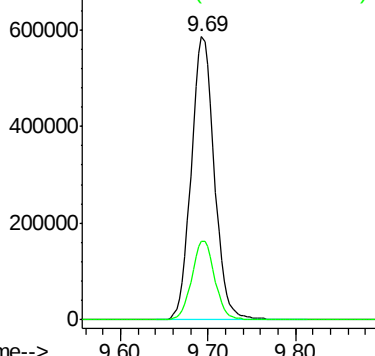
63 100

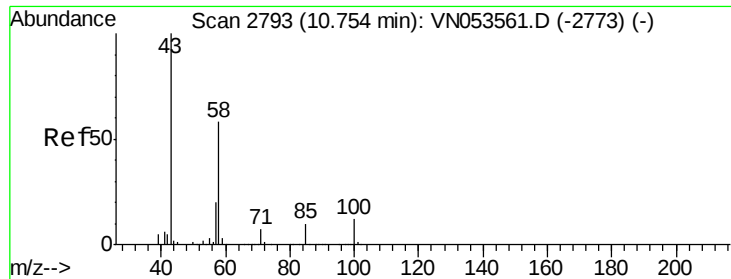
106 27.8 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

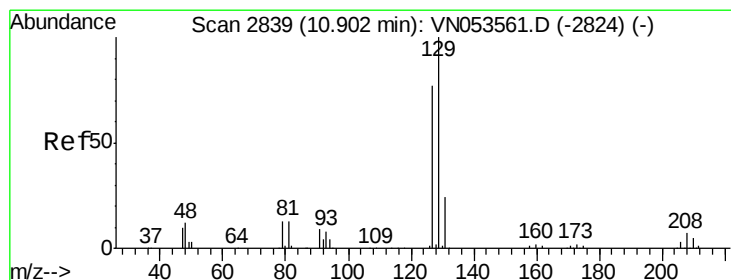
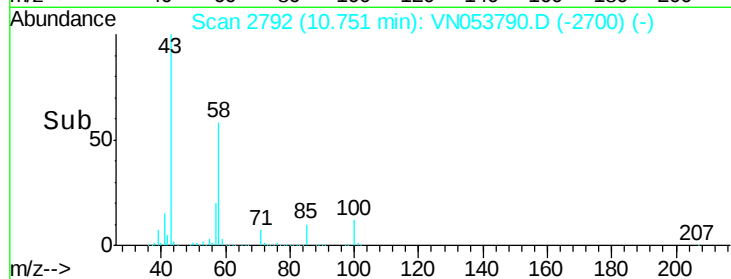
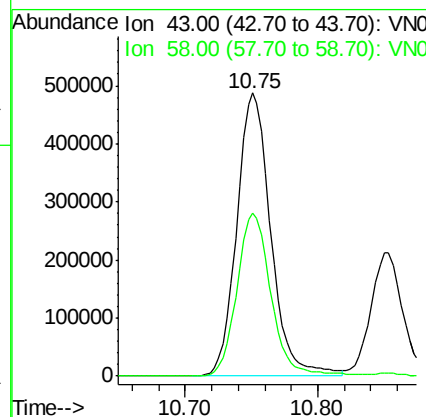
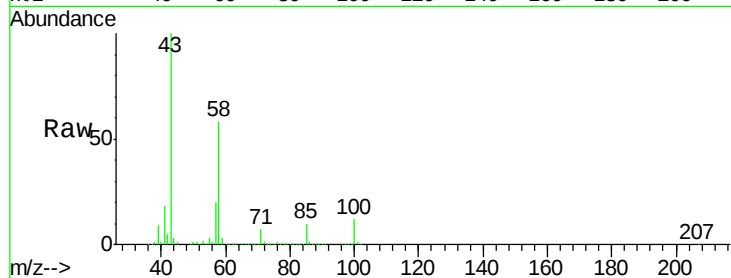




#59
2-Hexanone
Concen: 269.485 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

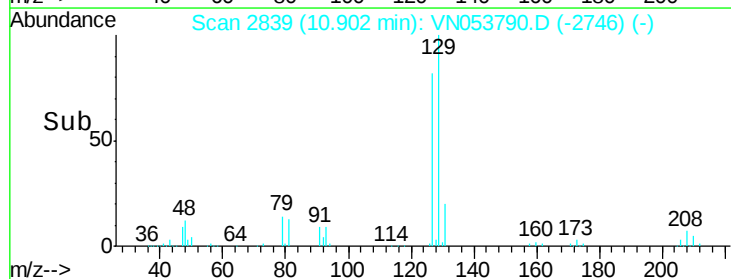
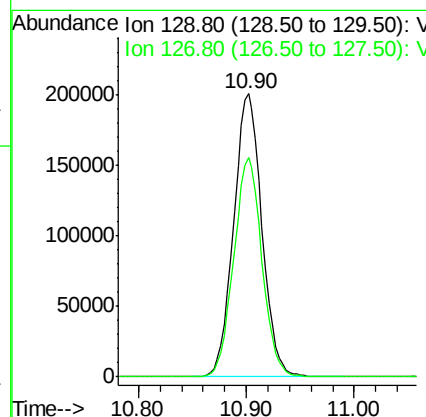
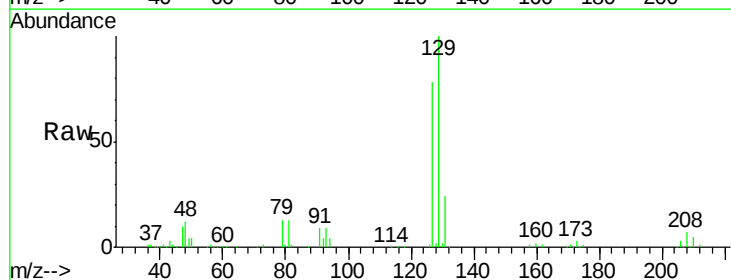
Instrument :
MSVOA_N
ClientSampleId :

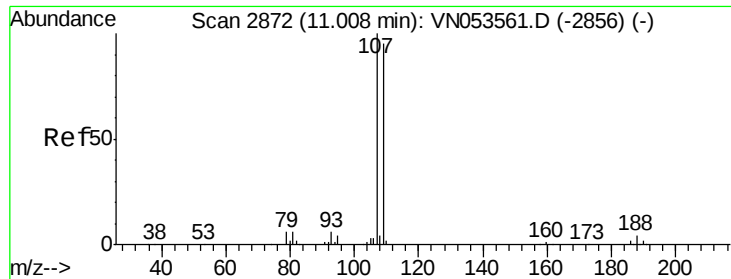
Tot Ion: 43 Resp: 864382
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.8



#60
Dibromochloromethane
Concen: 55.291 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion: 129 Resp: 366555
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8

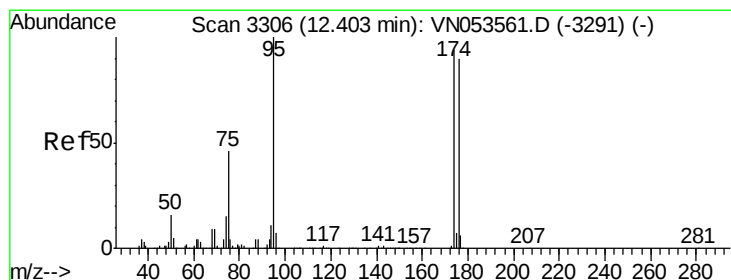
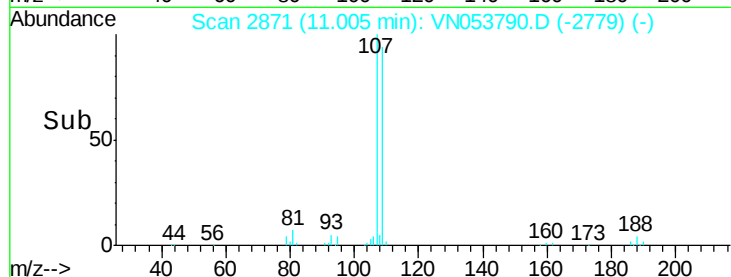
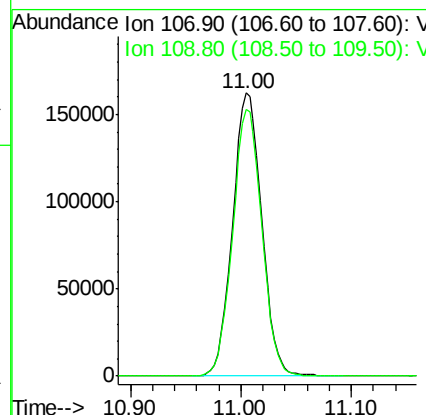
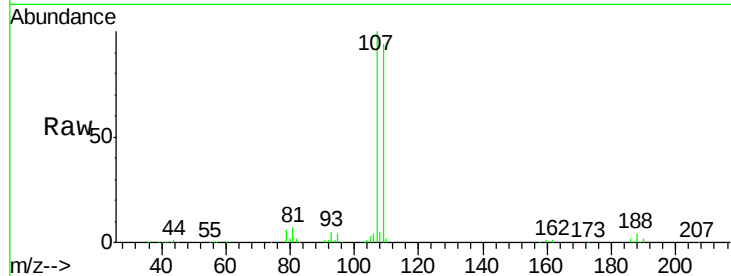




#61
 1,2-Dibromoethane
 Concen: 51.135 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053790.D
 Acq: 15 Feb 2019 10:28

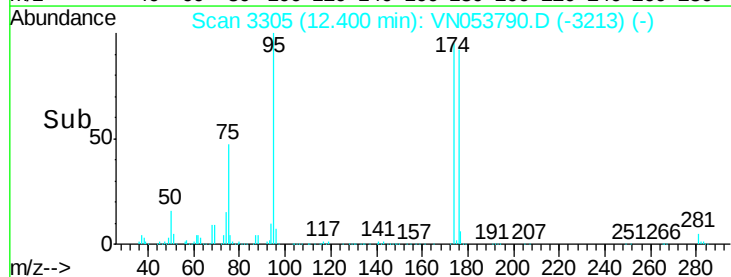
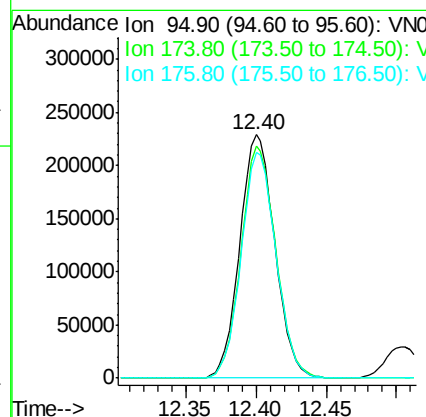
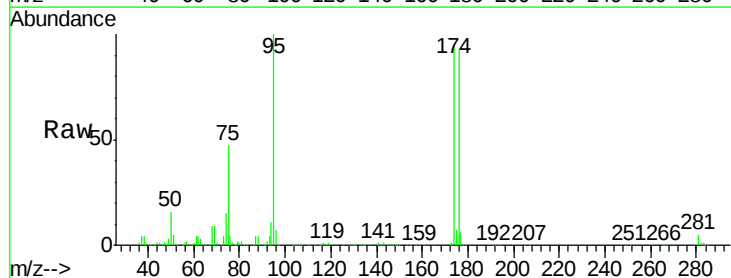
Instrument :
 MSVOA_N
 ClientSampleId :

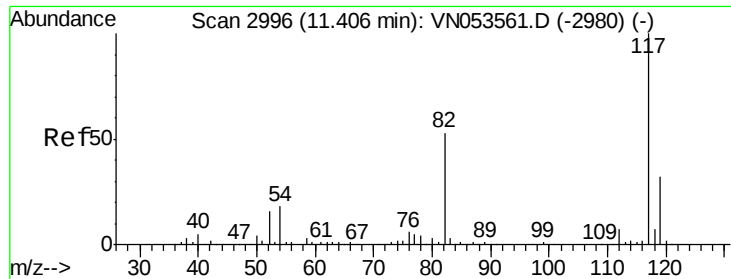
Tot Ion:107 Resp: 297544
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 50.880 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053790.D
 Acq: 15 Feb 2019 10:28

Tgt Ion: 95 Resp: 398142
 Ion Ratio Lower Upper
 95 100
 174 94.6 0.0 183.2
 176 92.2 0.0 177.4

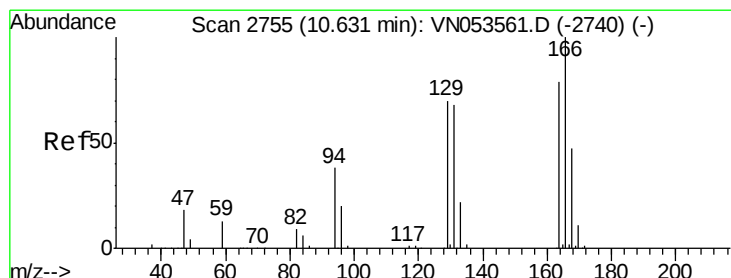
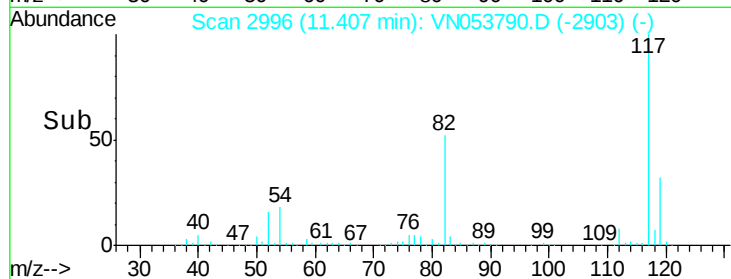
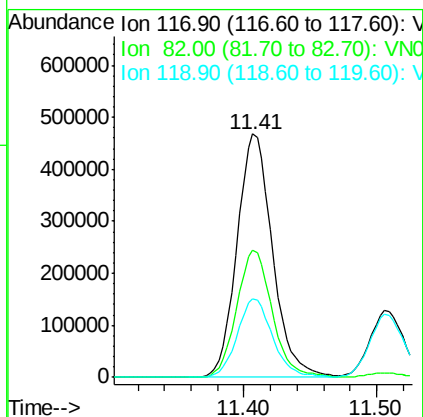
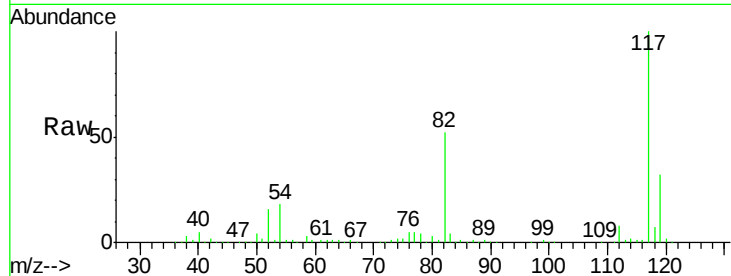




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

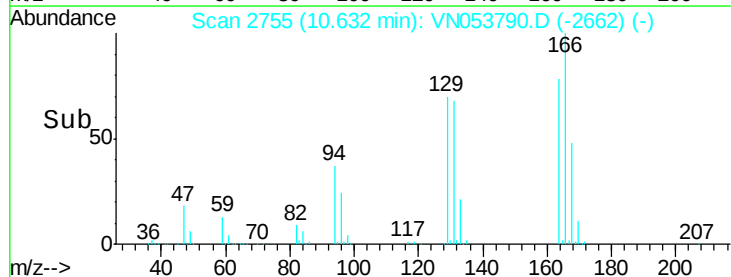
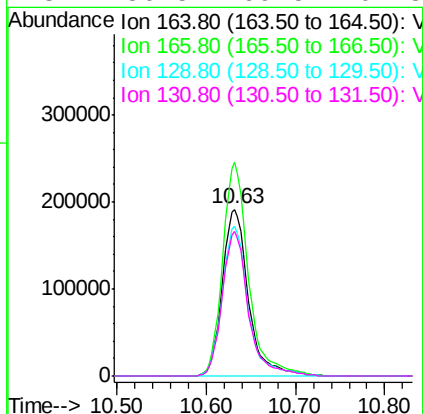
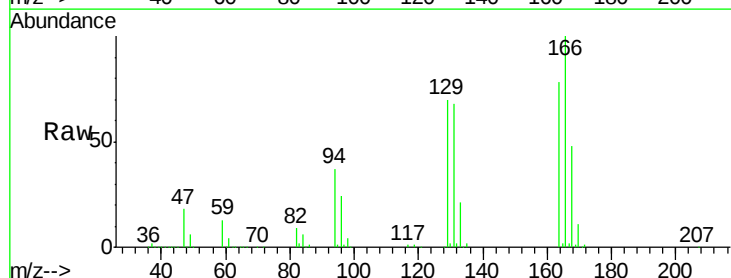
Instrument :
MSVOA_N
ClientSampleId :

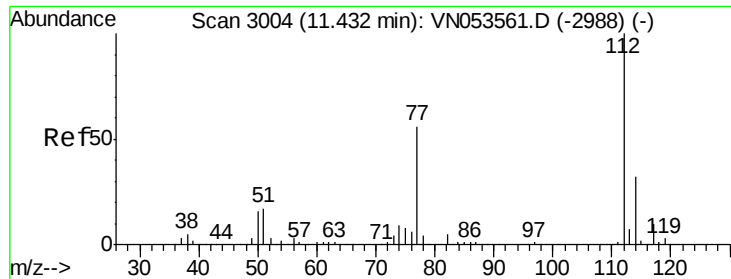
Tot Ion:117 Resp: 870738
Ion Ratio Lower Upper
117 100
82 52.2 42.9 64.3
119 32.4 26.0 39.0



#64
Tetrachloroethene
Concen: 52.095 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion:164 Resp: 388842
Ion Ratio Lower Upper
164 100
166 127.9 102.2 153.4
129 89.7 72.6 109.0
131 86.5 69.5 104.3

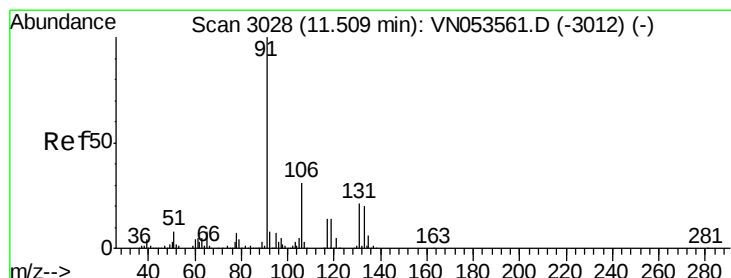
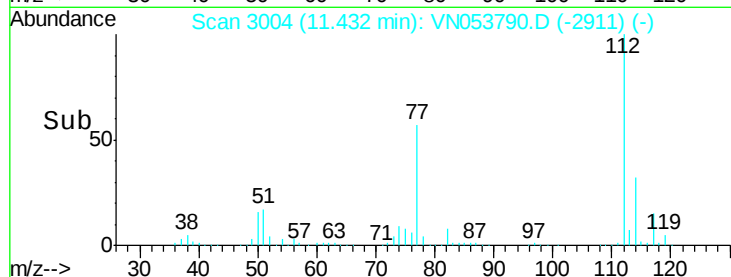
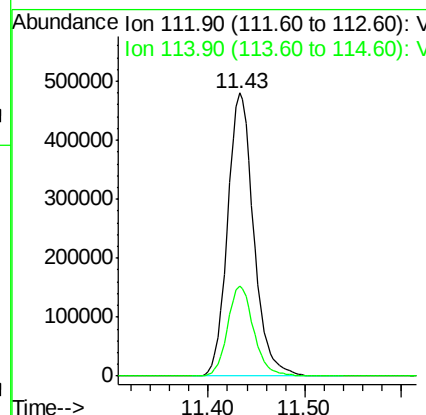
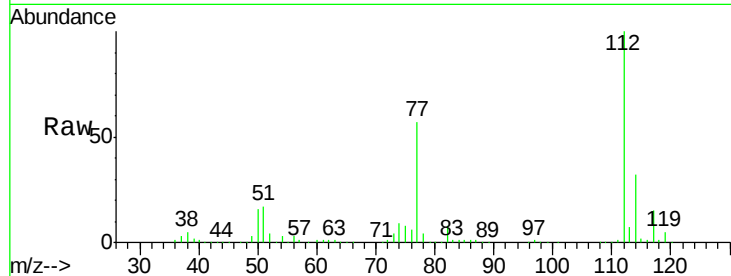




#65
Chlorobenzene
Concen: 48.569 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

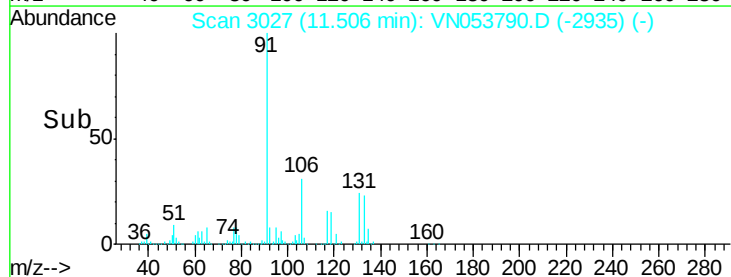
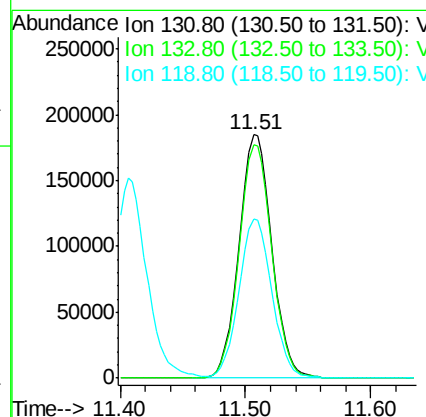
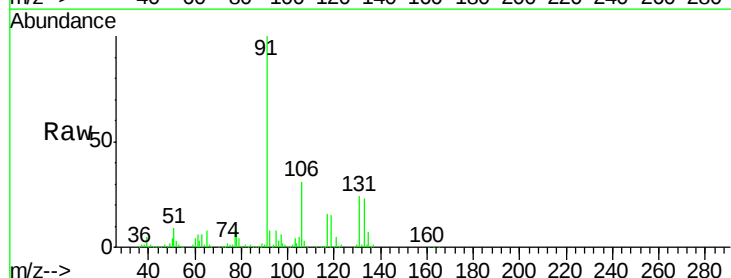
Instrument :
MSVOA_N
ClientSampled :

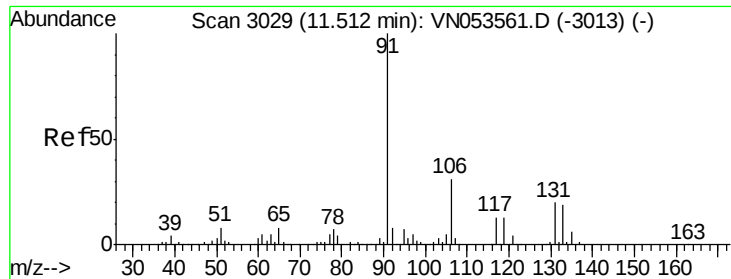
Tot Ion:112 Resp: 898297
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.012 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion:131 Resp: 335960
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 65.7 33.5 100.5

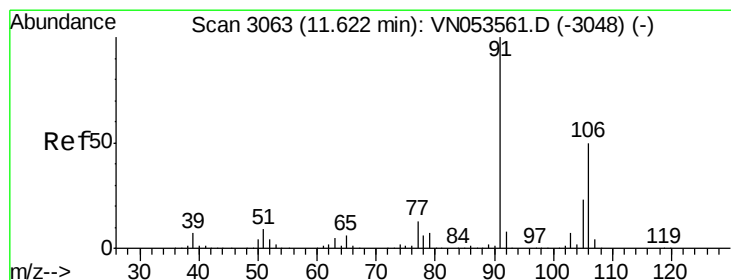
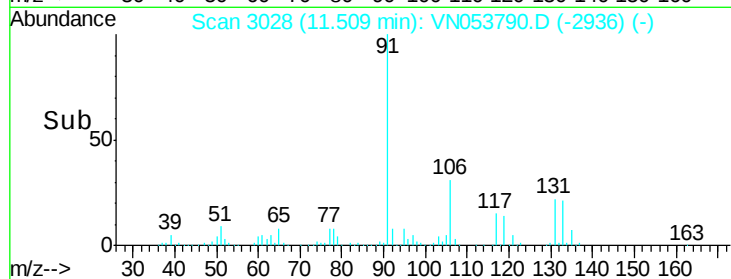
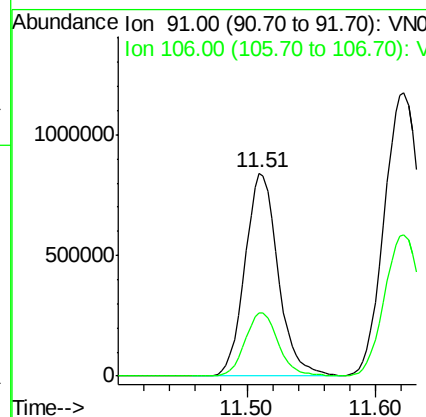
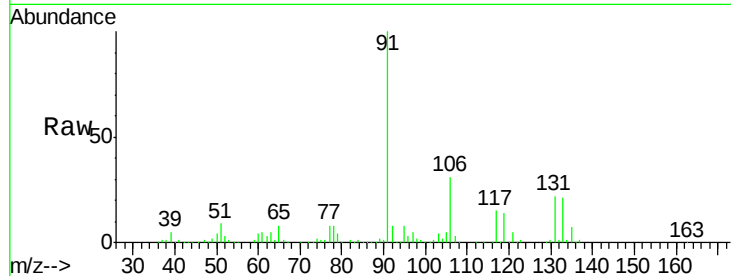




#67
Ethyl Benzene
Concen: 49.576 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

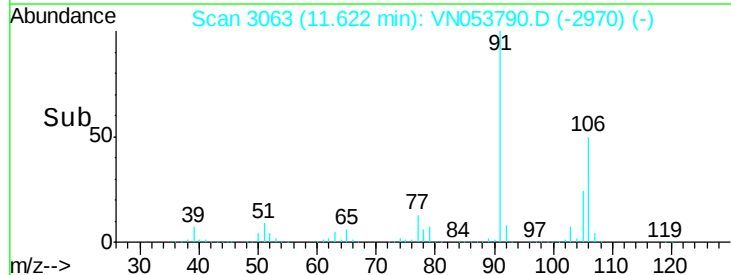
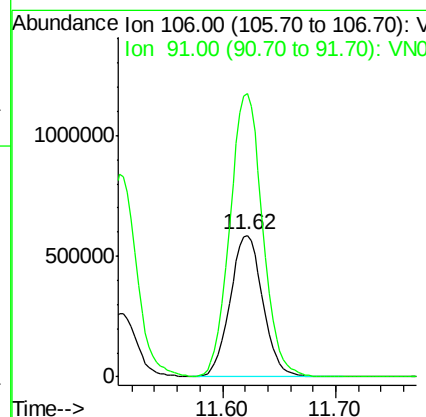
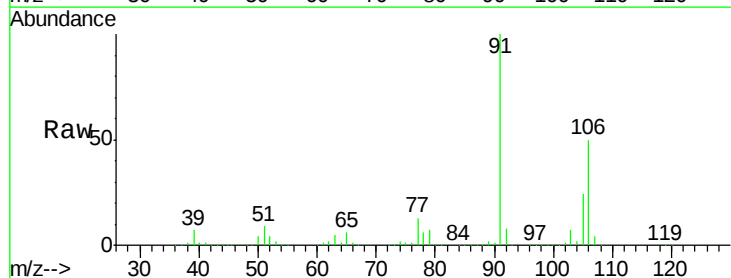
Instrument :
MSVOA_N
ClientSampleId :

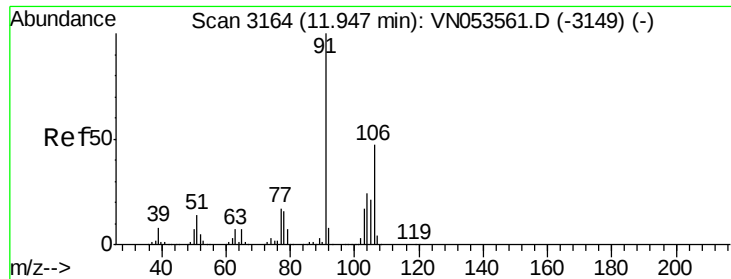
Tot Ion: 91 Resp: 1506240
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6



#68
m/p-Xylenes
Concen: 101.498 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion:106 Resp: 1176948
Ion Ratio Lower Upper
106 100
91 200.5 161.4 242.2

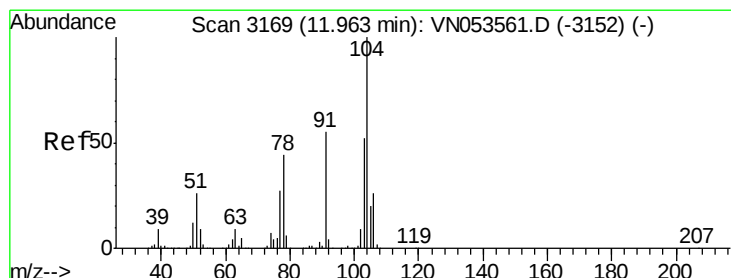
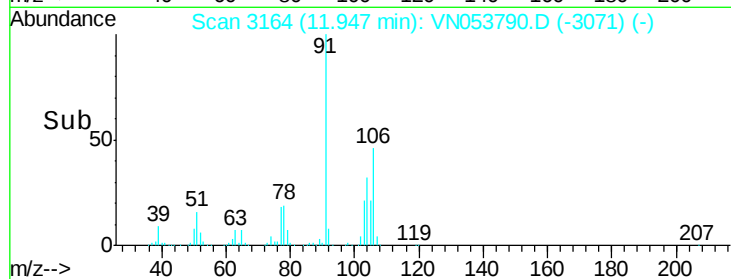
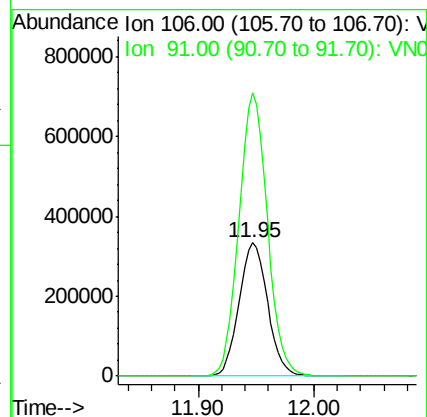
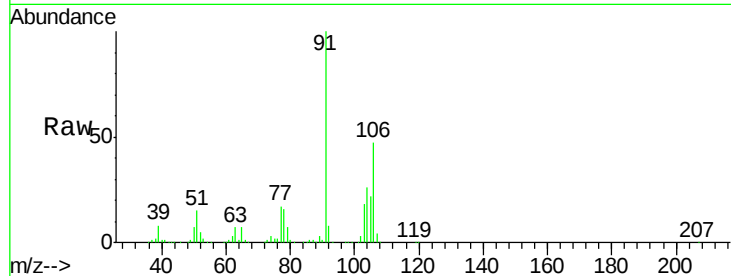




#69
o-Xylene
Concen: 50.850 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

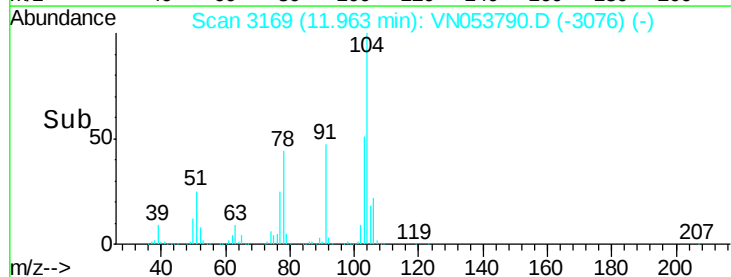
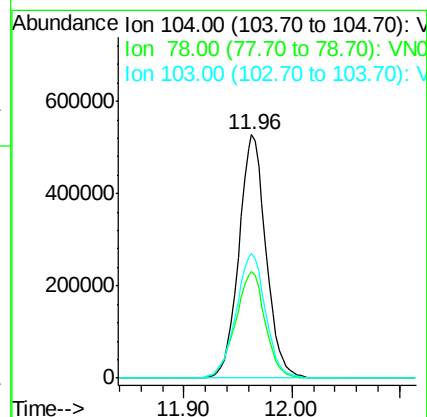
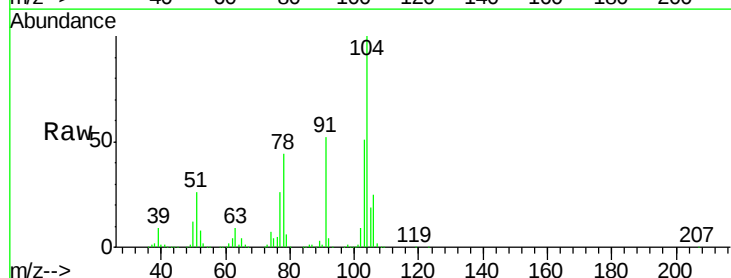
Instrument :
MSVOA_N
ClientSampled :

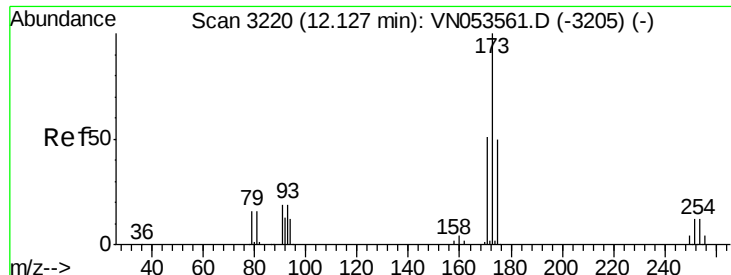
Tot Ion:106 Resp: 569648
Ion Ratio Lower Upper
106 100
91 211.3 106.9 320.8



#70
Styrene
Concen: 50.831 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion:104 Resp: 922960
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 56.0 44.4 66.6

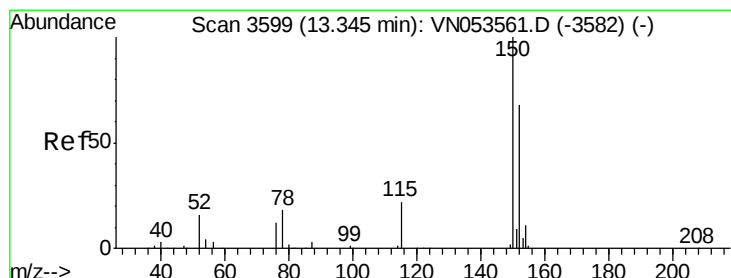
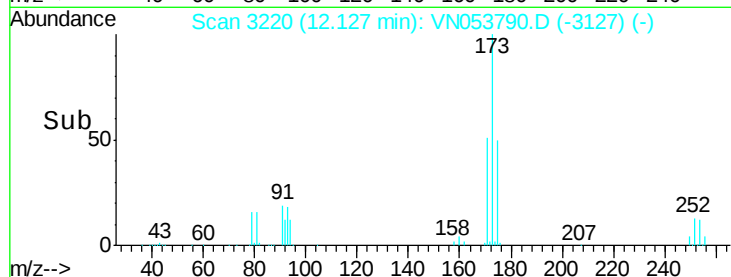
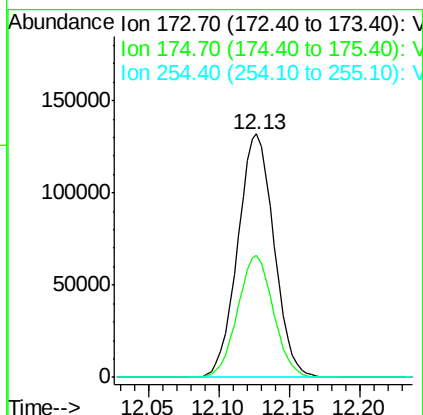
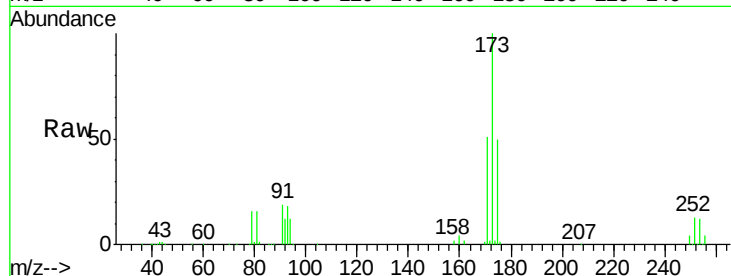




#71
Bromoform
Concen: 53.568 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

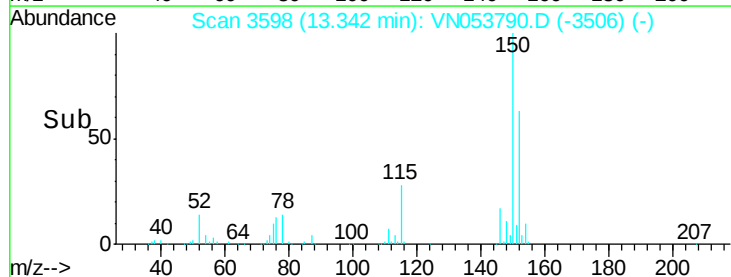
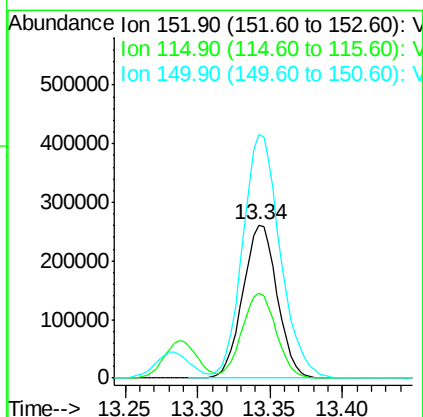
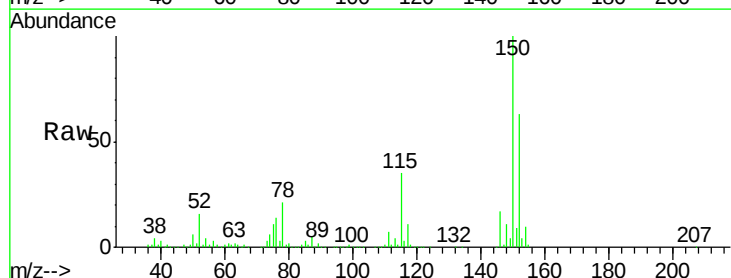
Instrument :
MSVOA_N
ClientSampled :

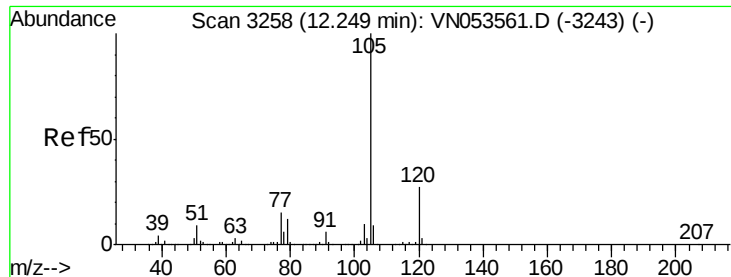
Tot Ion:173 Resp: 237219
Ion Ratio Lower Upper
173 100
175 49.4 24.6 74.0
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion:152 Resp: 432141
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.4
150 173.2 0.0 349.0

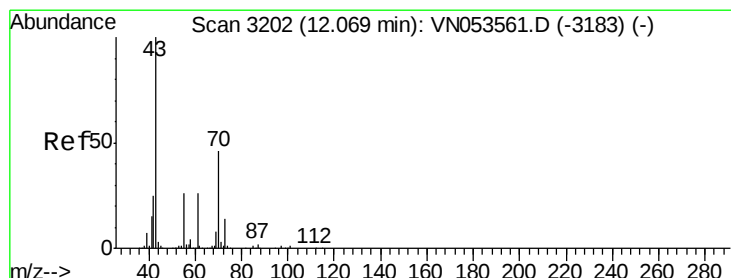
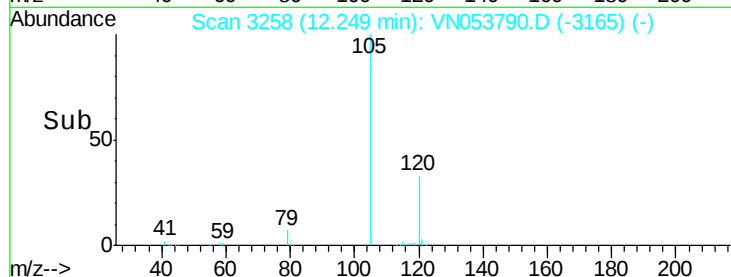
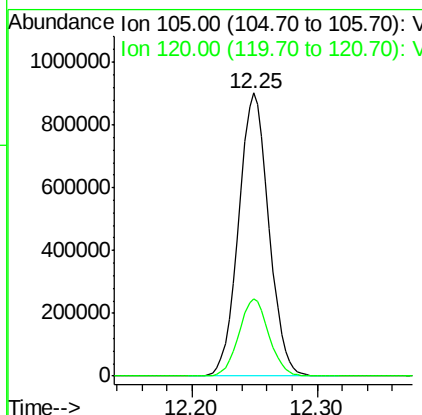
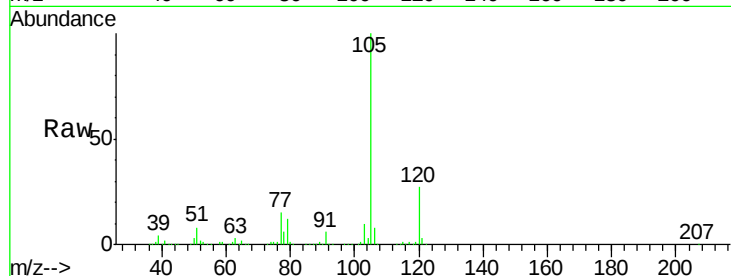




#73
Isopropylbenzene
Concen: 49.580 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

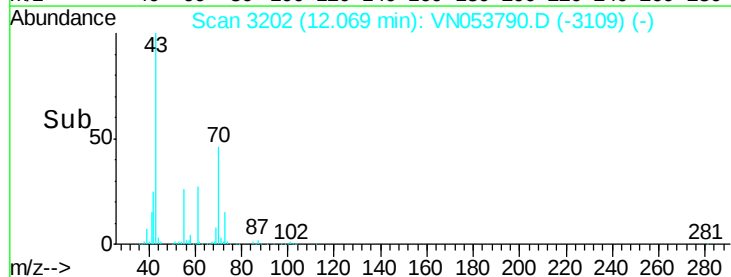
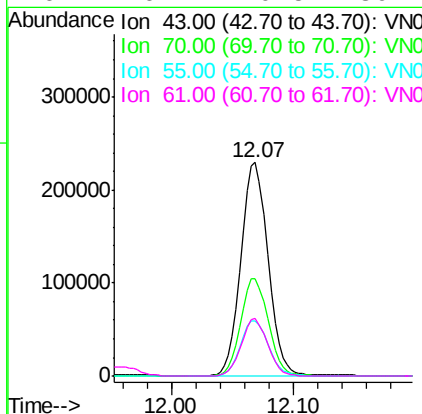
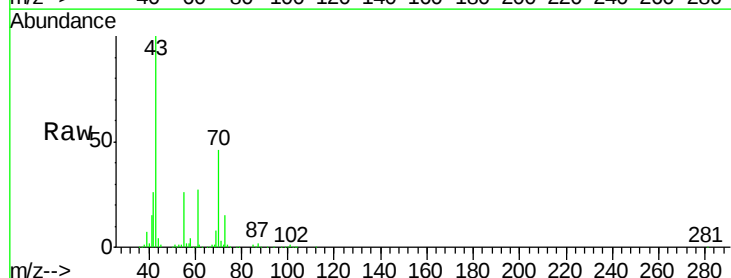
Instrument :
MSVOA_N
ClientSampleId :

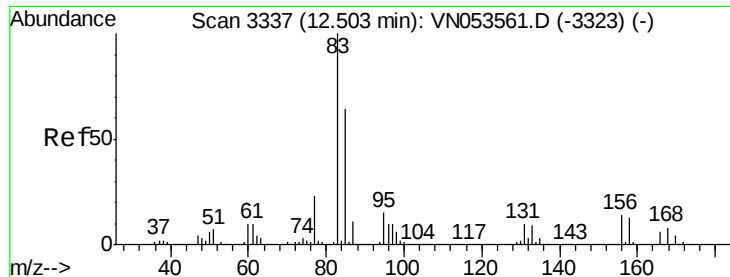
Tot Ion:105 Resp: 1506185
Ion Ratio Lower Upper
105 100
120 27.2 13.6 40.7



#74
N-ethyl acetate
Concen: 48.152 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion: 43 Resp: 351753
Ion Ratio Lower Upper
43 100
70 46.4 35.4 53.2
55 26.8 20.9 31.3
61 26.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.201 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

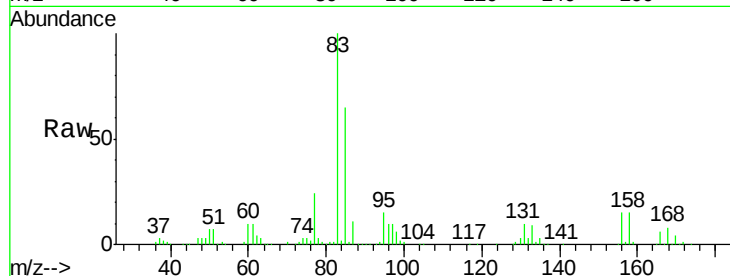
Tot Ion: 83 Resp: 343171

Ion Ratio Lower Upper

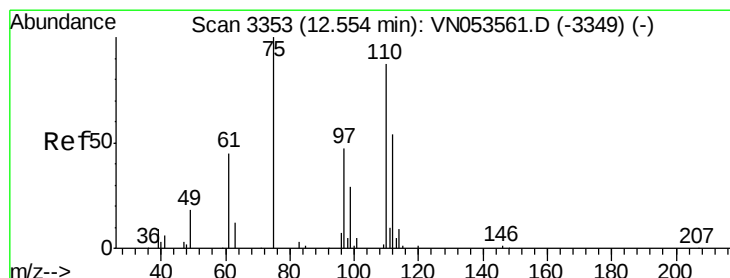
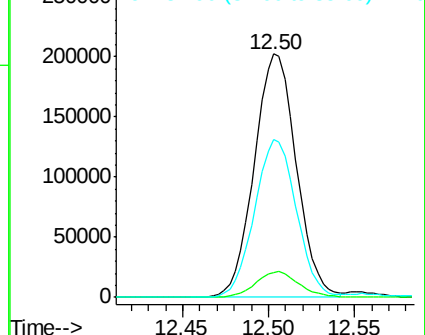
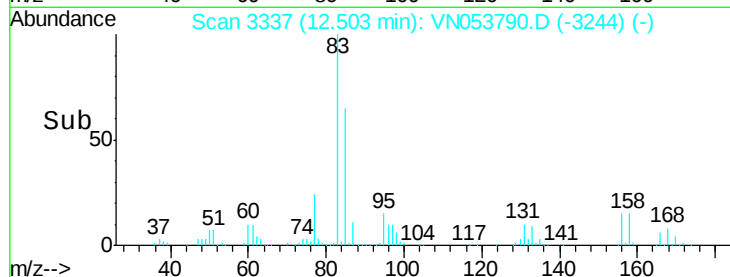
83 100

131 10.8 5.3 15.8

85 64.9 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053790.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 76.206 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053790.D

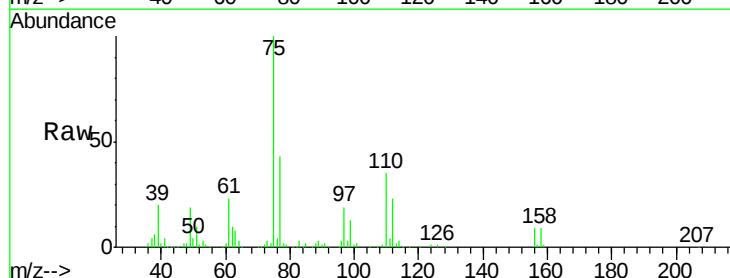
Acq: 15 Feb 2019 10:28

Tgt Ion: 75 Resp: 422986

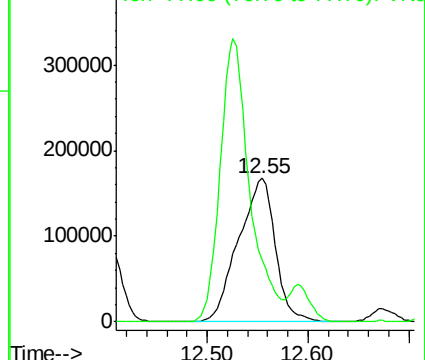
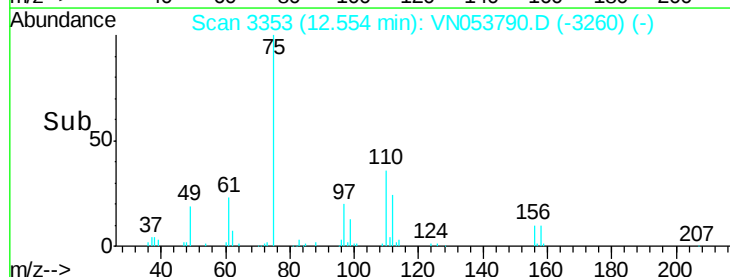
Ion Ratio Lower Upper

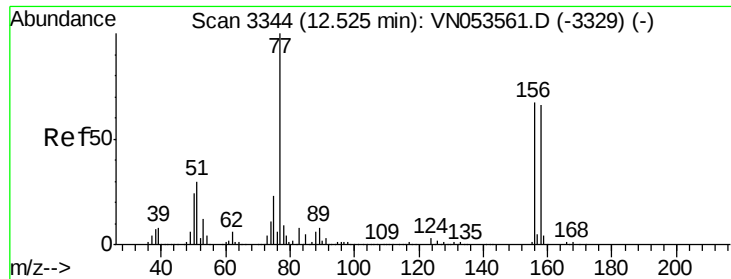
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053790.D (-3260) (-)





#77

Bromobenzene

Concen: 48.524 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

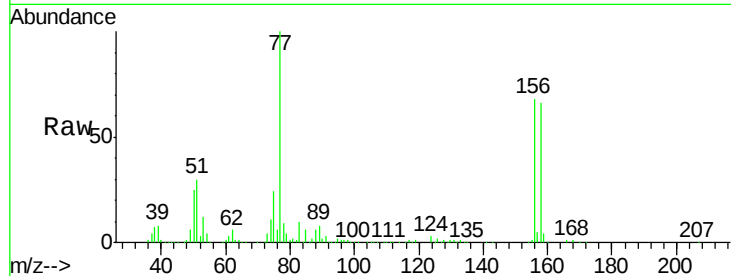
Tot Ion:156 Resp: 397284

Ion Ratio Lower Upper

156 100

77 169.6 87.9 263.8

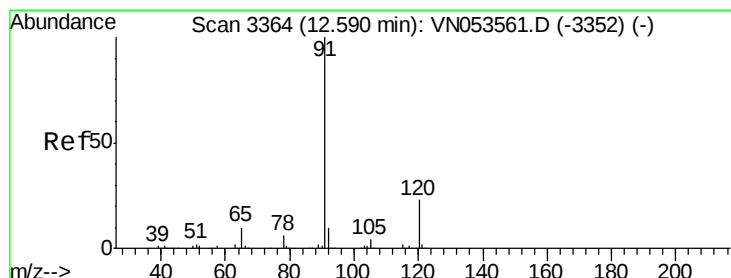
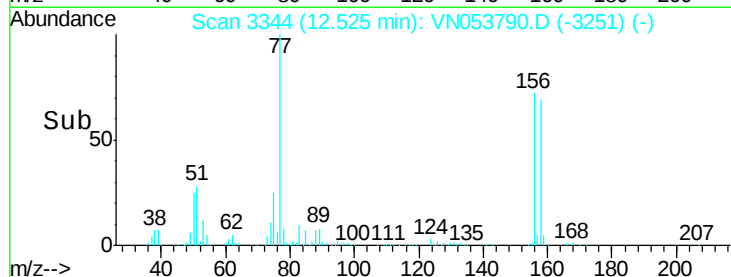
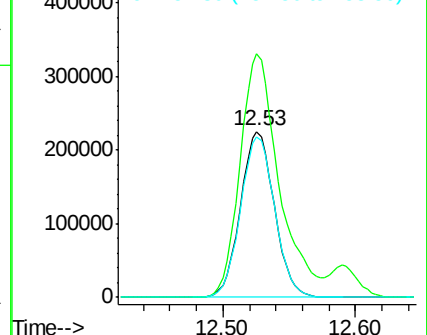
158 98.0 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.281 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053790.D

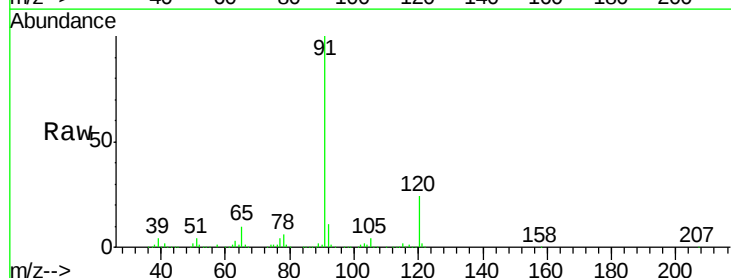
Acq: 15 Feb 2019 10:28

Tgt Ion: 91 Resp: 1765793

Ion Ratio Lower Upper

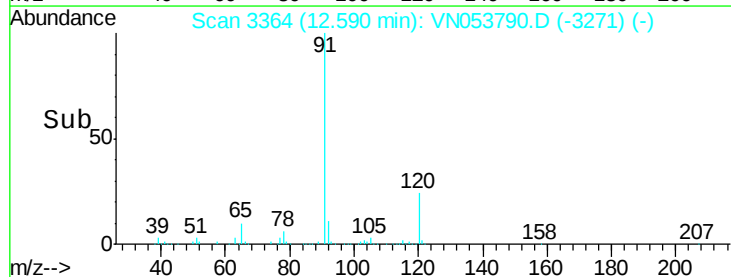
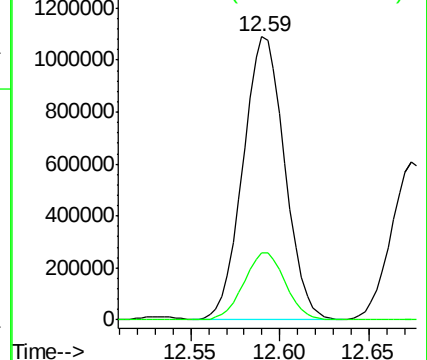
91 100

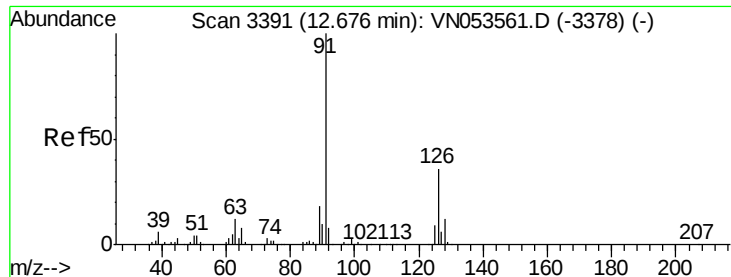
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.251 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA_N

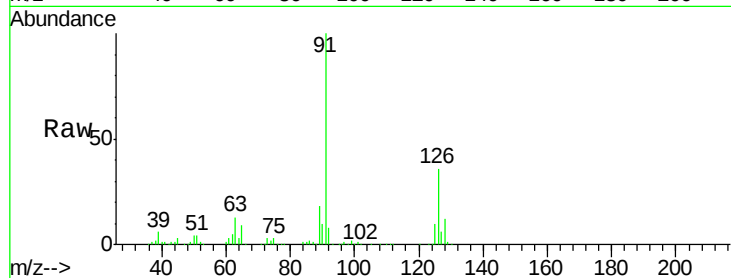
ClientSampled :

Tot Ion: 91 Resp: 1026146

Ion Ratio Lower Upper

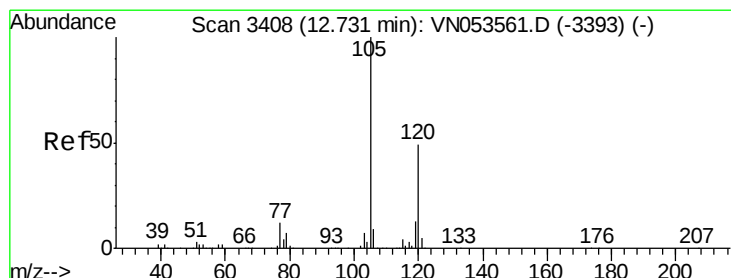
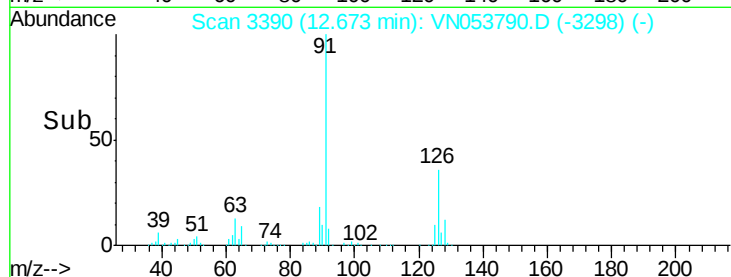
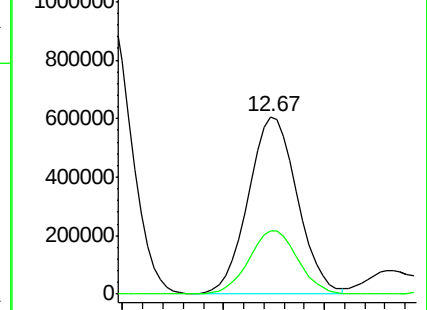
91 100

126 36.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.425 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053790.D

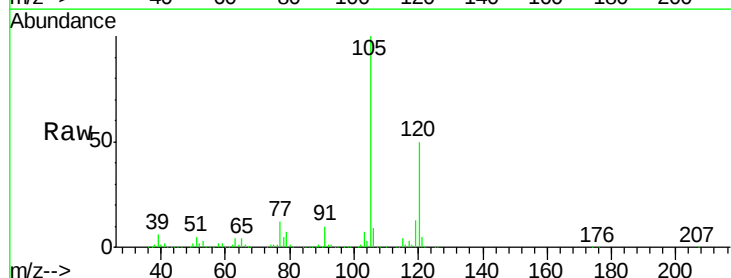
Acq: 15 Feb 2019 10:28

Tgt Ion: 105 Resp: 1295486

Ion Ratio Lower Upper

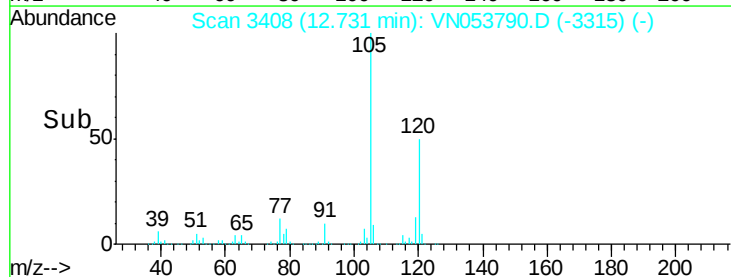
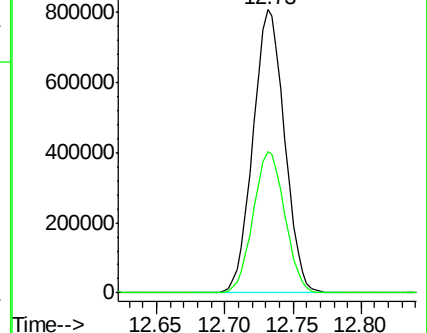
105 100

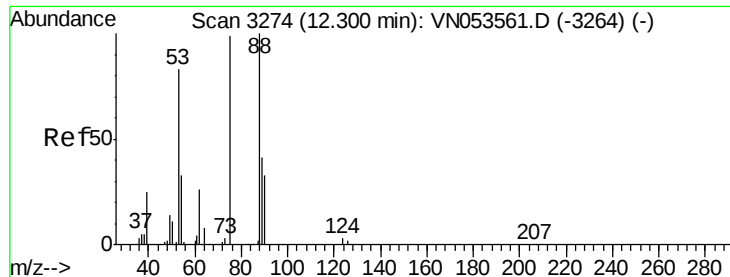
120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)

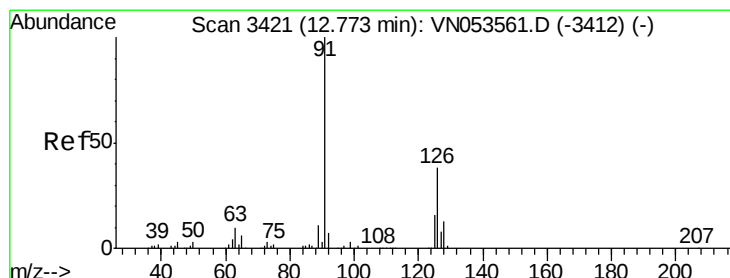
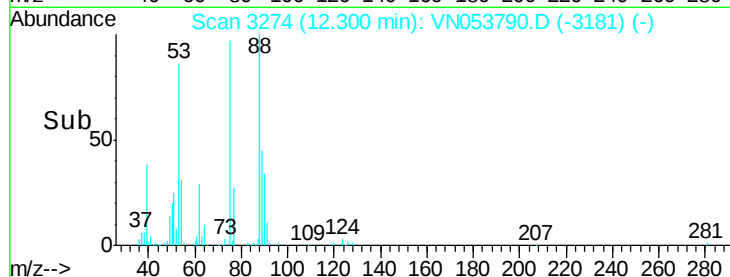
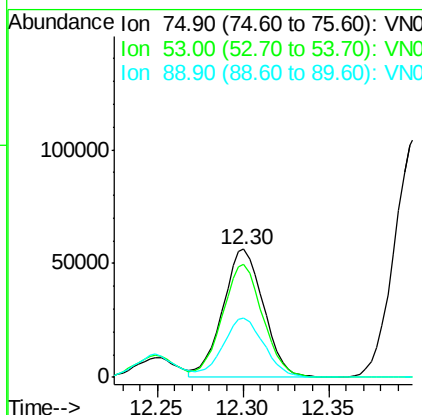
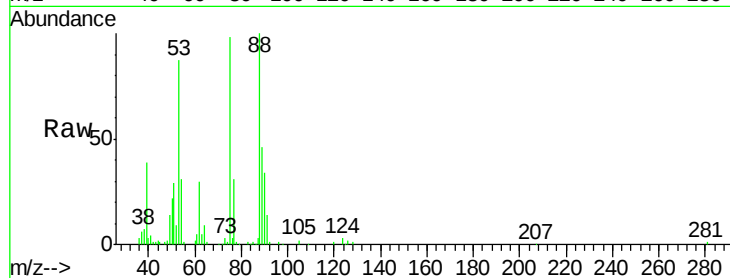




#81
trans-1,4-Dichloro-2-butene
Concen: 47.297 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

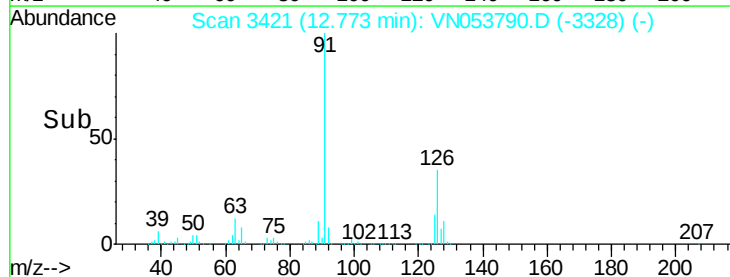
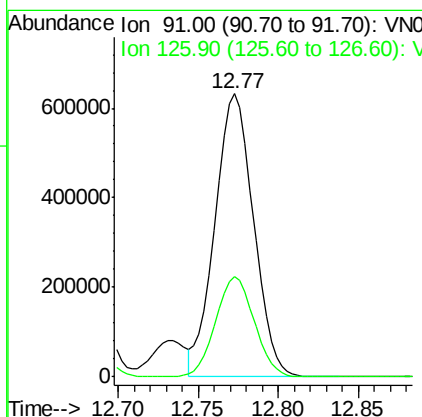
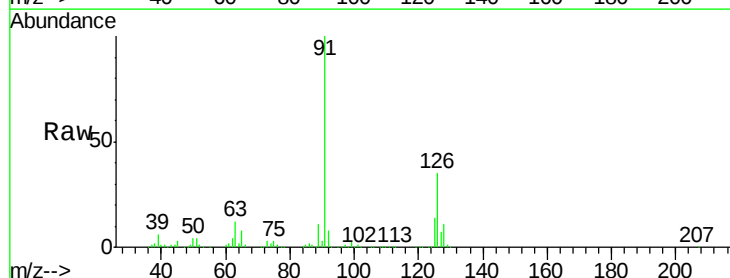
Instrument :
MSVOA_N
ClientSampled :

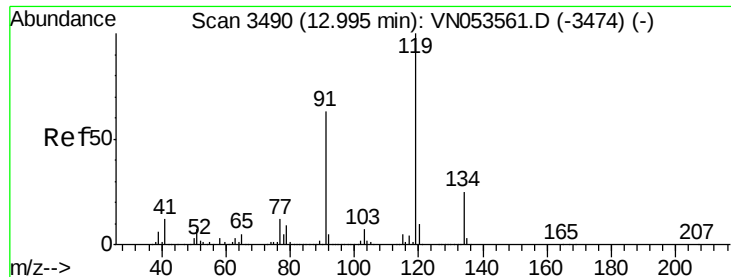
Tot Ion: 75 Resp: 93362
Ion Ratio Lower Upper
75 100
53 88.0 69.8 104.6
89 46.3 35.6 53.4



#82
4-Chlorotoluene
Concen: 49.079 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion: 91 Resp: 1049299
Ion Ratio Lower Upper
91 100
126 35.4 17.6 52.9

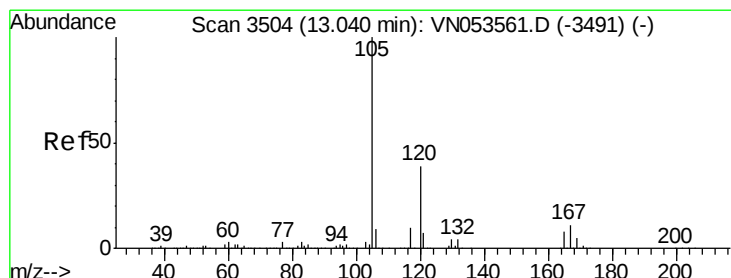
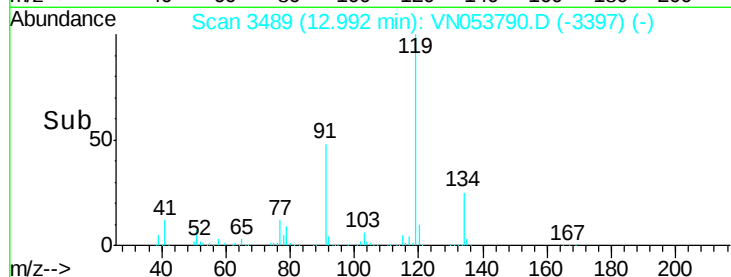
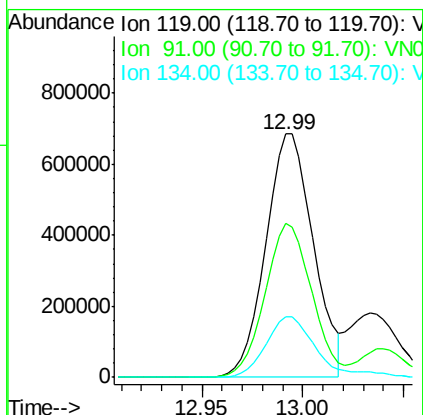
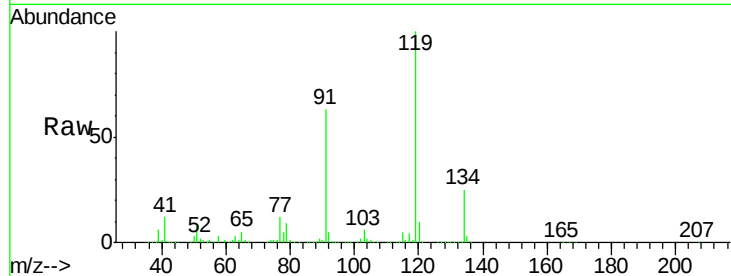




#83
tert-Butylbenzene
Concen: 50.435 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

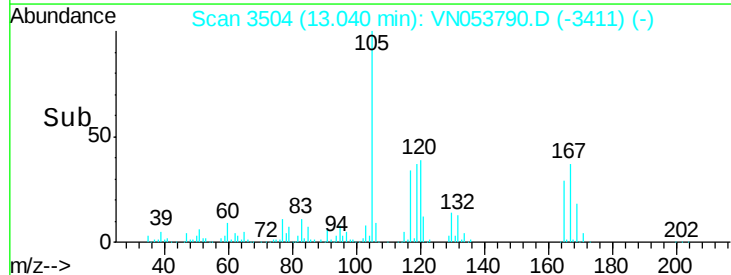
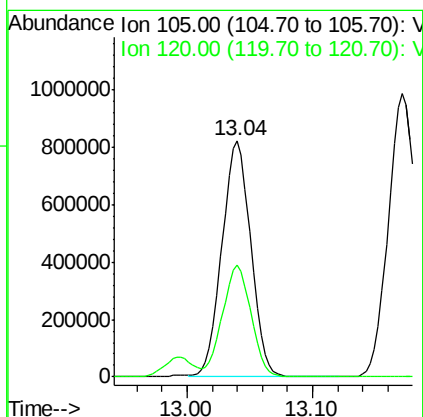
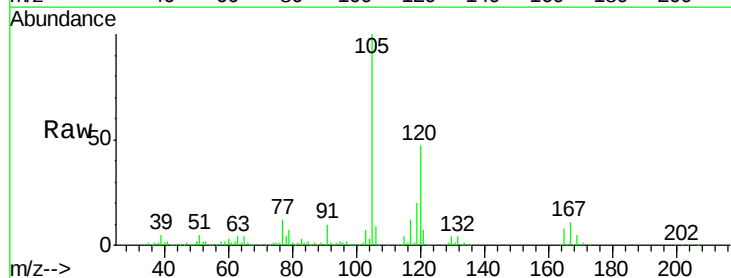
Instrument :
MSVOA_N
ClientSampled :

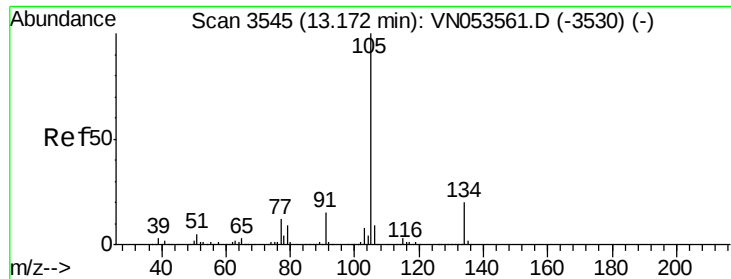
Tot Ion:119 Resp: 1122918
Ion Ratio Lower Upper
119 100
91 61.9 31.3 93.8
134 26.5 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 51.069 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053790.D
Acq: 15 Feb 2019 10:28

Tgt Ion:105 Resp: 1310707
Ion Ratio Lower Upper
105 100
120 47.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 51.953 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA_N

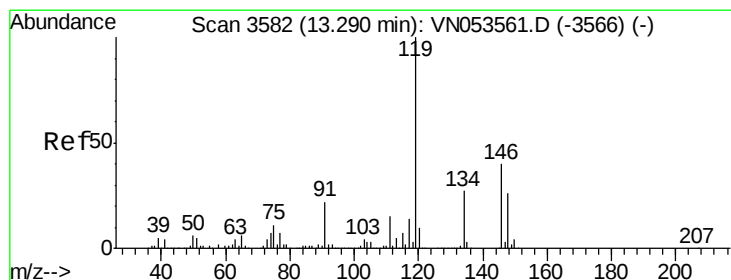
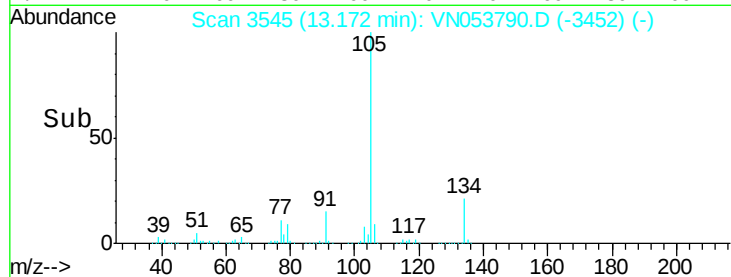
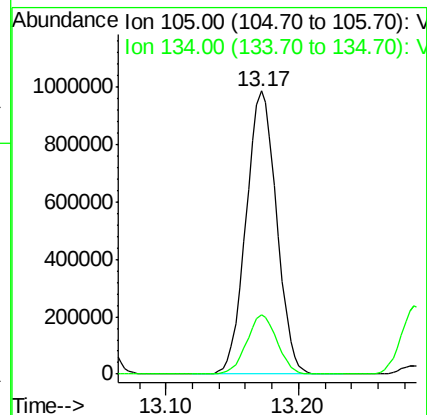
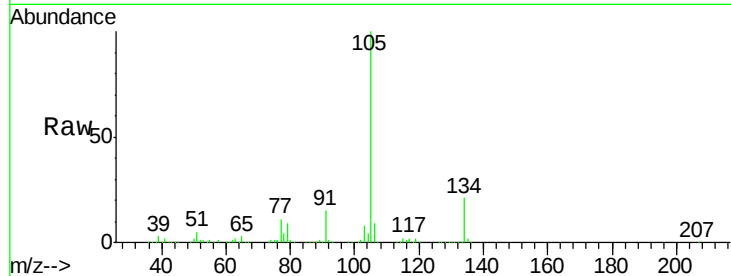
ClientSampled :

Tot Ion:105 Resp: 1574070

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.6



#86

p-Isopropyltoluene

Concen: 52.315 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

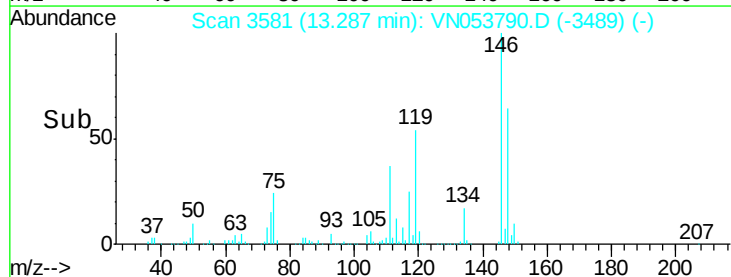
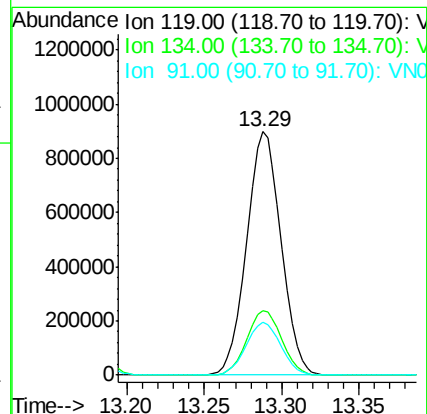
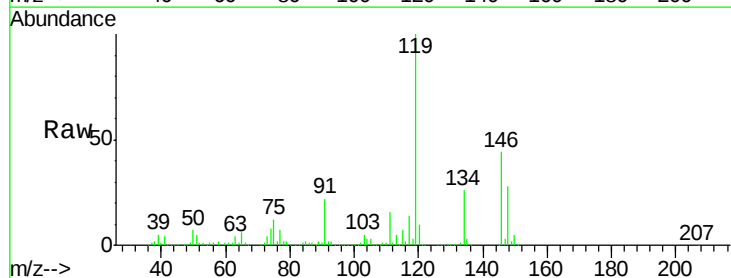
Tgt Ion:119 Resp: 1386260

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 21.9 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 48.654 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

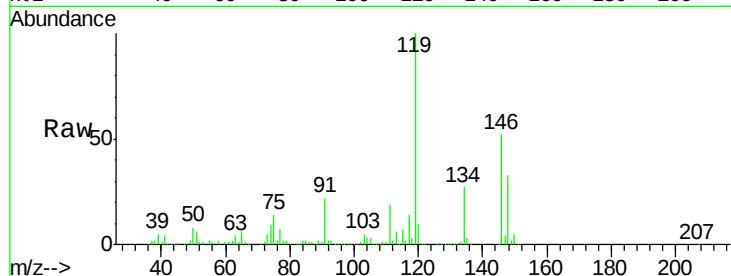
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146 Resp: 716089

Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.3
148	64.1	32.0	96.2

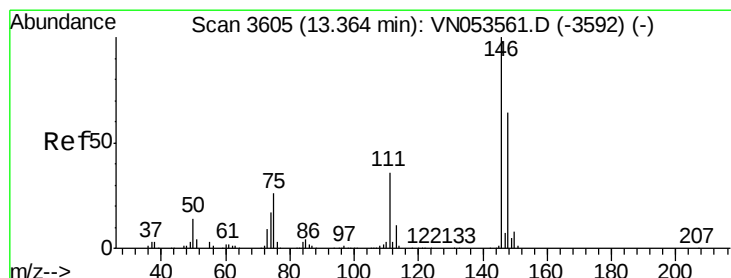
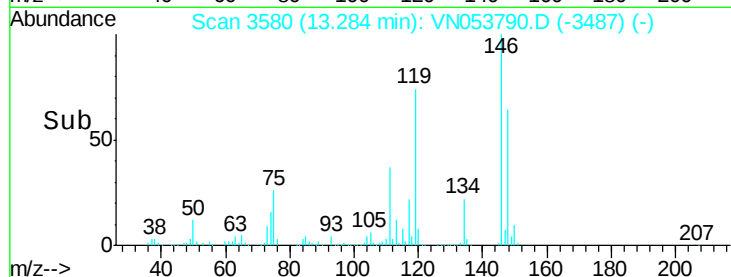
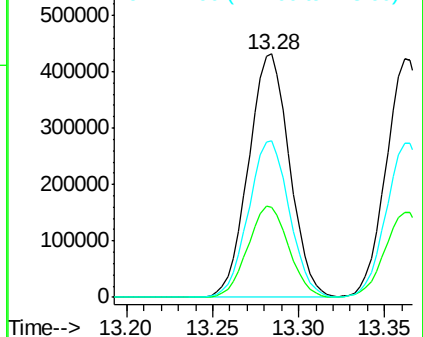


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.517 ug/l

RT: 13.36 min Scan# 3604

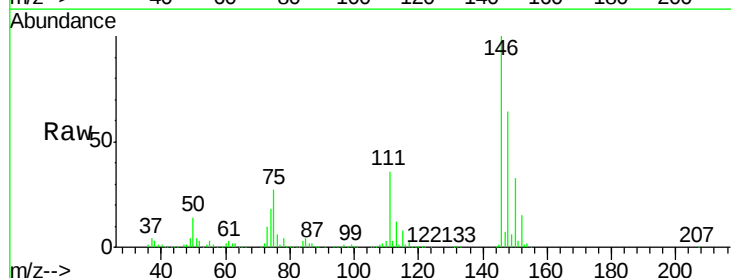
Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Tgt Ion:146 Resp: 706360

Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.6	55.8
148	64.6	32.4	97.0

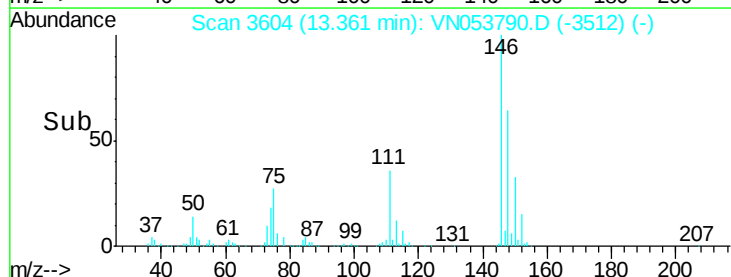
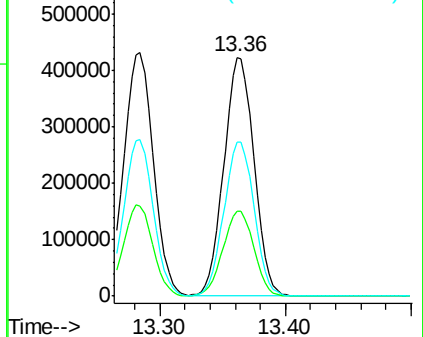


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.024 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

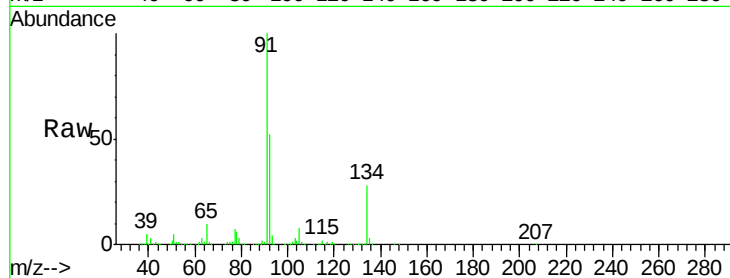
Tot Ion: 91 Resp: 1193215

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.8
134	27.5	13.5	40.5

91 100

92 52.3 26.3 78.8

134 27.5 13.5 40.5

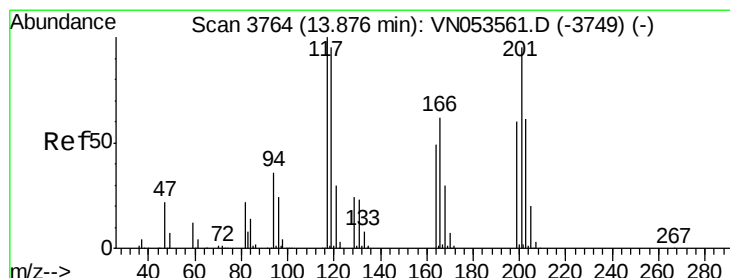
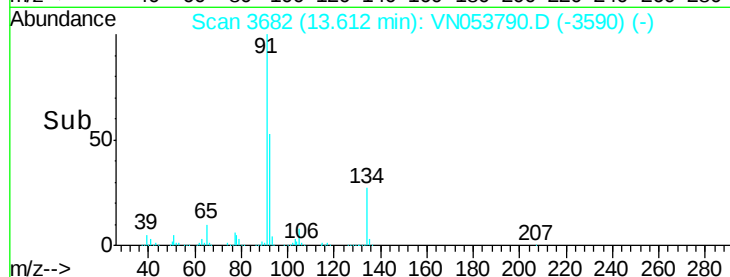
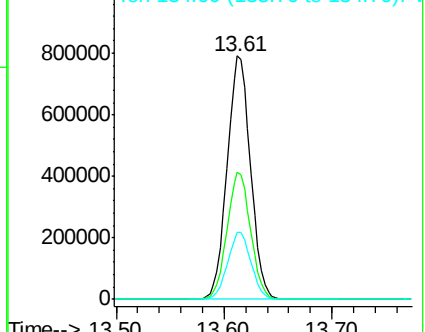


Abundance

Ion 91.00 (90.70 to 91.70): VN053790.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053790.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053790.D (-3590) (-)



#90

Hexachloroethane

Concen: 54.183 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053790.D

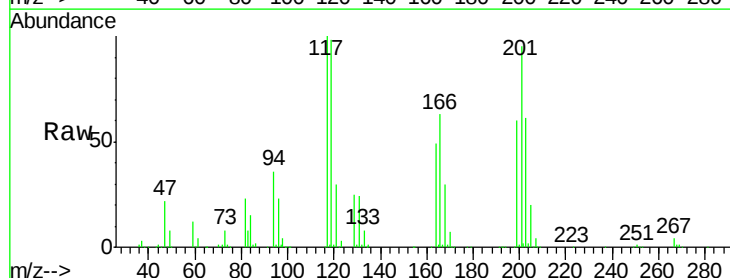
Acq: 15 Feb 2019 10:28

Tgt Ion: 117 Resp: 236825

Ion	Ratio	Lower	Upper
117	100		
201	95.7	46.8	140.4

117 100

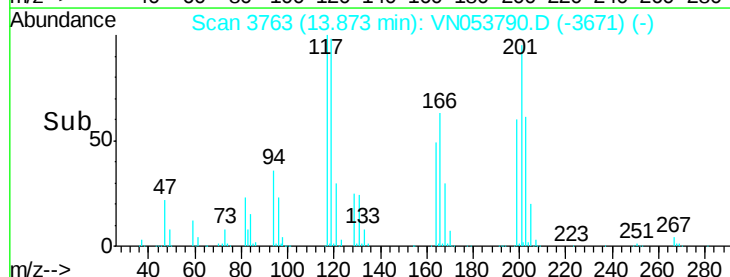
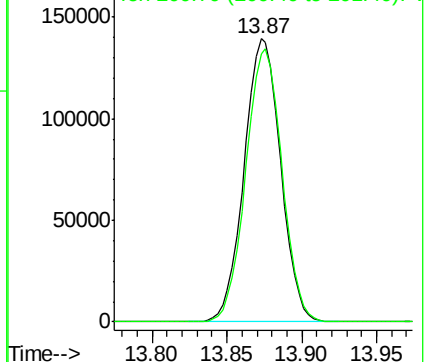
201 95.7 46.8 140.4



Abundance

Ion 116.80 (116.50 to 117.50): VN053790.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053790.D (-3671) (-)





#91

1,2-Dichlorobenzene

Concen: 48.970 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

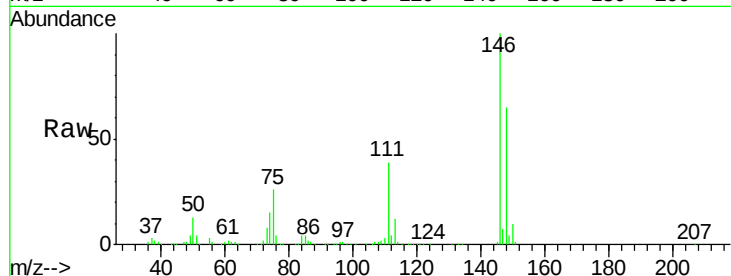
Tot Ion:146 Resp: 689994

Ion Ratio Lower Upper

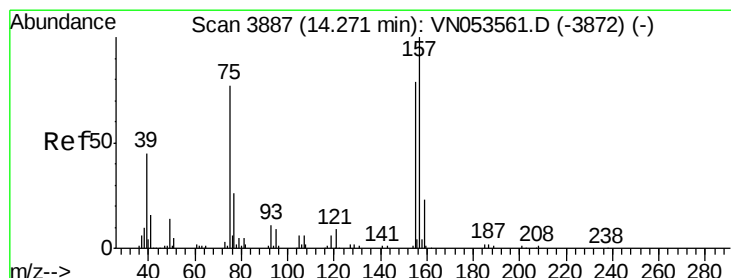
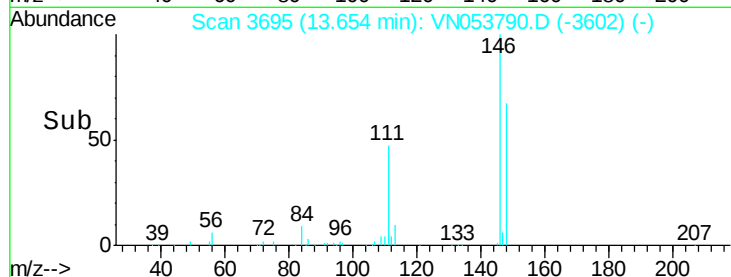
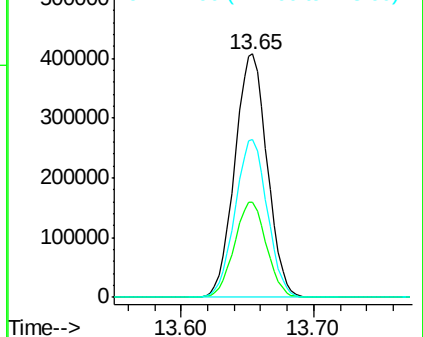
146 100

111 38.8 19.5 58.5

148 64.5 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: 48.699 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

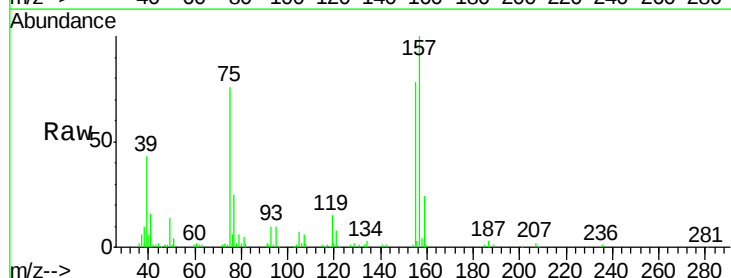
Tgt Ion: 75 Resp: 50460

Ion Ratio Lower Upper

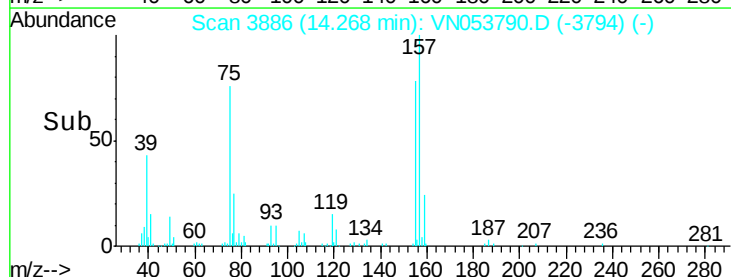
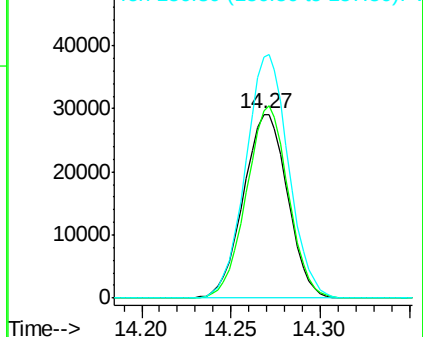
75 100

155 99.0 48.9 146.7

157 128.8 63.7 191.3



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

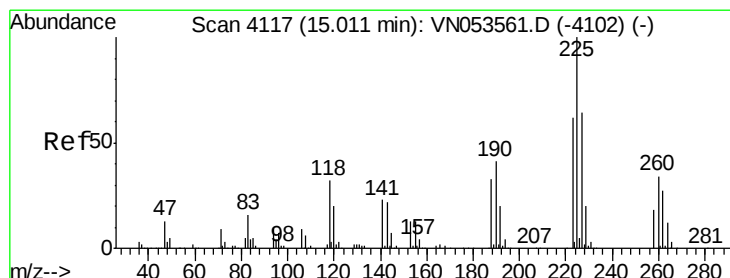
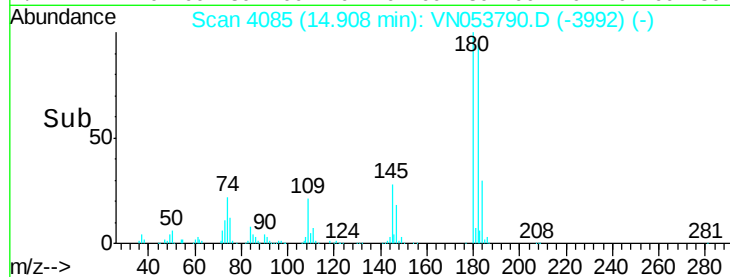
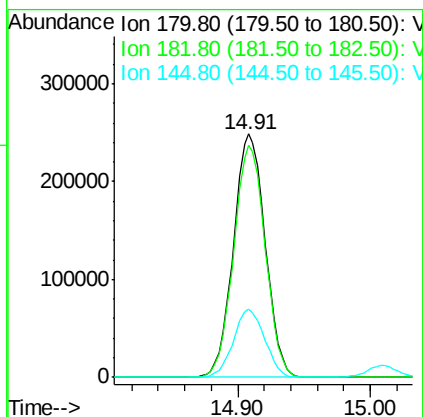
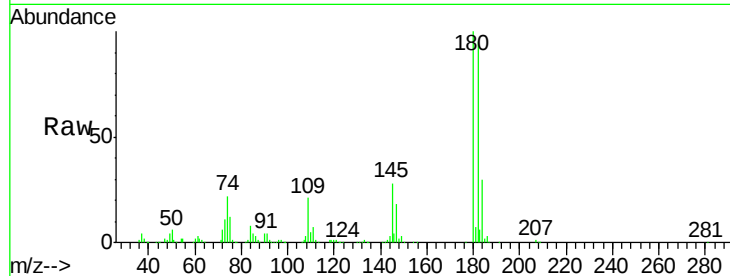




#93
 1,2,4-Trichlorobenzene
 Concen: 50.963 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053790.D
 Acq: 15 Feb 2019 10:28

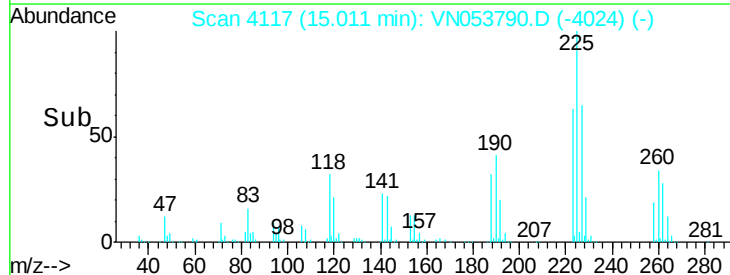
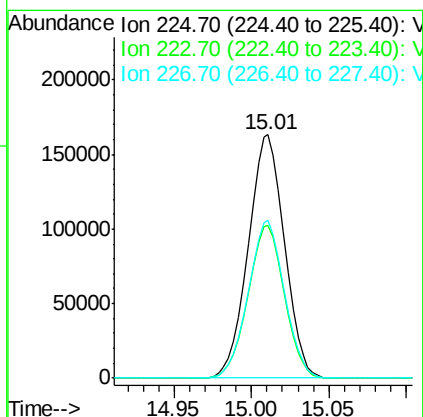
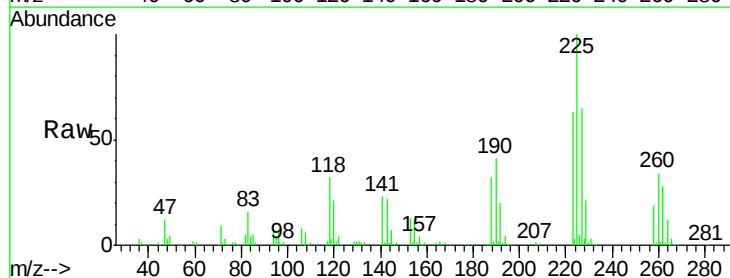
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 411841
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.1 144.3
 145 27.7 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 52.881 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053790.D
 Acq: 15 Feb 2019 10:28

Tgt Ion:225 Resp: 266130
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.1 93.2
 227 64.5 32.0 96.2





#95

Naphthalene

Concen: 41.857 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

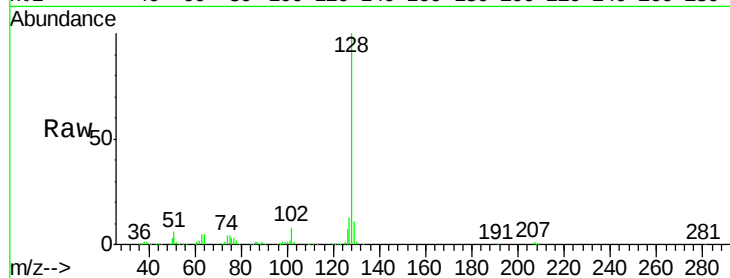
Tot Ion:128 Resp: 789023

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

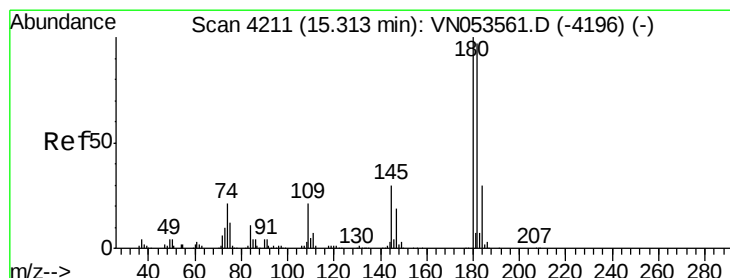
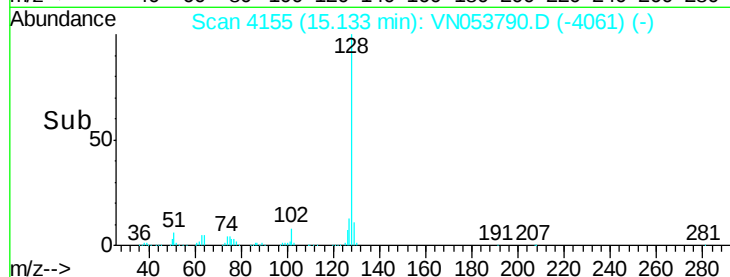
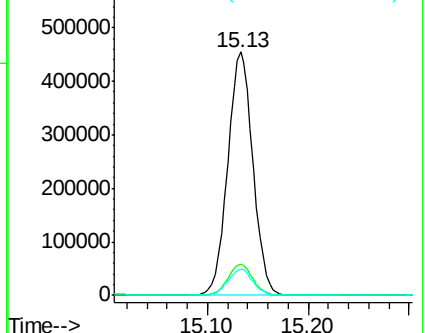
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.602 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

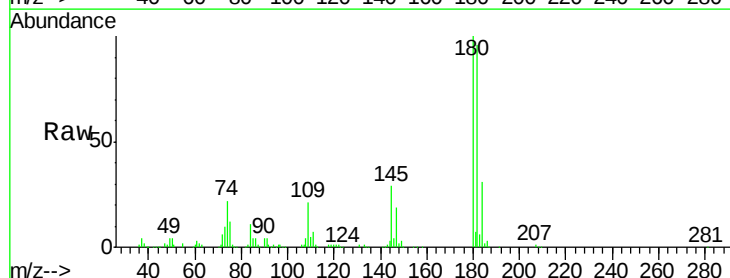
Tgt Ion:180 Resp: 379432

Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.8

145 29.7 14.7 44.1



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

