

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\
 Data File : VN053792.D
 Acq On : 15 Feb 2019 11:43
 Operator : JC/SP
 Sample : VN0215WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 23:22:17 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	653806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	972943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	892460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	398202	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	326628	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	7.59	113	315693	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
50) Toluene-d8	10.09	98	1125725	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	379154	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	132810	18.234	ug/l	100
3) Chloromethane	2.06	50	144254	18.585	ug/l	99
4) Vinyl Chloride	2.19	62	157844	20.948	ug/l	99
5) Bromomethane	2.57	94	110854	22.501	ug/l	97
6) Chloroethane	2.71	64	95620	22.207	ug/l	99
7) Trichlorofluoromethane	3.02	101	217427	21.279	ug/l	99
8) Diethyl Ether	3.41	74	76437	20.484	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	139937	22.144	ug/l	98
10) Methyl Iodide	3.96	142	178576	18.004	ug/l	99
11) Tert butyl alcohol	4.78	59	44042	113.459	ug/l	98
12) 1,1-Dichloroethene	3.74	96	124273	20.526	ug/l	96
13) Acrolein	3.61	56	15220	72.015	ug/l	98
14) Allyl chloride	4.33	41	181452	18.823	ug/l	94
15) Acrylonitrile	4.99	53	235764	112.507	ug/l	98
16) Acetone	3.81	43	206851	122.951	ug/l	98
17) Carbon Disulfide	4.06	76	332086	17.615	ug/l	100
18) Methyl Acetate	4.32	43	122155	24.517	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	330791	21.552	ug/l	98
20) Methylene Chloride	4.55	84	144073	20.412	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	128252	19.635	ug/l	97
22) Diisopropyl ether	5.95	45	359835	20.145	ug/l	100
23) Vinyl Acetate	5.90	43	1210495	97.963	ug/l	98
24) 1,1-Dichloroethane	5.85	63	233120	19.567	ug/l	100
25) 2-Butanone	6.83	43	254627	106.119	ug/l	100
26) 2,2-Dichloropropane	6.82	77	181795	19.990	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	143183	19.713	ug/l	98
28) Bromochloromethane	7.19	49	104443	20.201	ug/l	93
29) Tetrahydrofuran	7.21	42	161872	105.060	ug/l	99
30) Chloroform	7.37	83	237764	20.132	ug/l	97
31) Cyclohexane	7.65	56	206396	18.501	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	196743	20.018	ug/l	99
36) 1,1-Dichloropropene	7.79	75	174782	19.928	ug/l	99
37) Ethyl Acetate	6.93	43	107546	21.956	ug/l	100
38) Carbon Tetrachloride	7.77	117	176448	19.971	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	197092	18.942	ug/l	97
40) Benzene	8.04	78	536023	19.819	ug/l	99
41) Methacrylonitrile	7.21	41	151774	55.439	ug/l #	20
42) 1,2-Dichloroethane	8.12	62	162221	20.201	ug/l	98
43) Isopropyl Acetate	8.16	43	186077	19.670	ug/l	99
44) Trichloroethene	8.83	130	151036	19.616	ug/l	94
45) 1,2-Dichloropropane	9.12	63	142438	20.591	ug/l	99
46) Dibromomethane	9.21	93	83964	20.135	ug/l	97
47) Bromodichloromethane	9.40	83	178383	20.574	ug/l	98
48) Methyl methacrylate	9.20	41	86663	19.192	ug/l	95
49) 1,4-Dioxane	9.20	88	28748	461.289	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	485189	104.374	ug/l	100
52) Toluene	10.16	92	326011	20.310	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	174670	20.119	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	203745	19.804	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	127425	22.030	ug/l	99
56) Ethyl methacrylate	10.43	69	141407	20.666	ug/l	98
57) 1,3-Dichloropropane	10.71	76	207645	21.005	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	319982	80.997	ug/l	98
59) 2-Hexanone	10.75	43	341259	108.138	ug/l	100
60) Dibromochloromethane	10.90	129	139666	21.413	ug/l	99
61) 1,2-Dibromoethane	11.01	107	119693	20.908	ug/l	100
64) Tetrachloroethene	10.63	164	153403	20.052	ug/l	99
65) Chlorobenzene	11.43	112	379026	19.994	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	144016	21.753	ug/l	99
67) Ethyl Benzene	11.51	91	624160	20.044	ug/l	100
68) m/p-Xylenes	11.62	106	494919	41.642	ug/l	98
69) o-Xylene	11.95	106	238483	20.770	ug/l	99
70) Styrene	11.96	104	378528	20.340	ug/l	99
71) Bromoform	12.13	173	99964	22.024	ug/l #	97
73) Isopropylbenzene	12.25	105	633374	22.626	ug/l	100
74) N-amyl acetate	12.07	43	145074	21.552	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	145848	21.770	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	168165	32.879	ug/l #	100
77) Bromobenzene	12.53	156	153244	20.312	ug/l	98
78) n-propylbenzene	12.59	91	683610	21.125	ug/l	99
79) 2-Chlorotoluene	12.67	91	401216	20.898	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	510176	21.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37509	20.622	ug/l	97
82) 4-Chlorotoluene	12.77	91	406126	20.615	ug/l	100
83) tert-Butylbenzene	12.99	119	445717	21.725	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	514379	21.750	ug/l	99
85) sec-Butylbenzene	13.17	105	623297	22.325	ug/l	99
86) p-Isopropyltoluene	13.29	119	538485	22.053	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	274033	20.206	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	268887	20.043	ug/l	100
89) n-Butylbenzene	13.62	91	443119	20.966	ug/l	100
90) Hexachloroethane	13.87	117	91848	22.805	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	269241	20.737	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21525	22.544	ug/l	96

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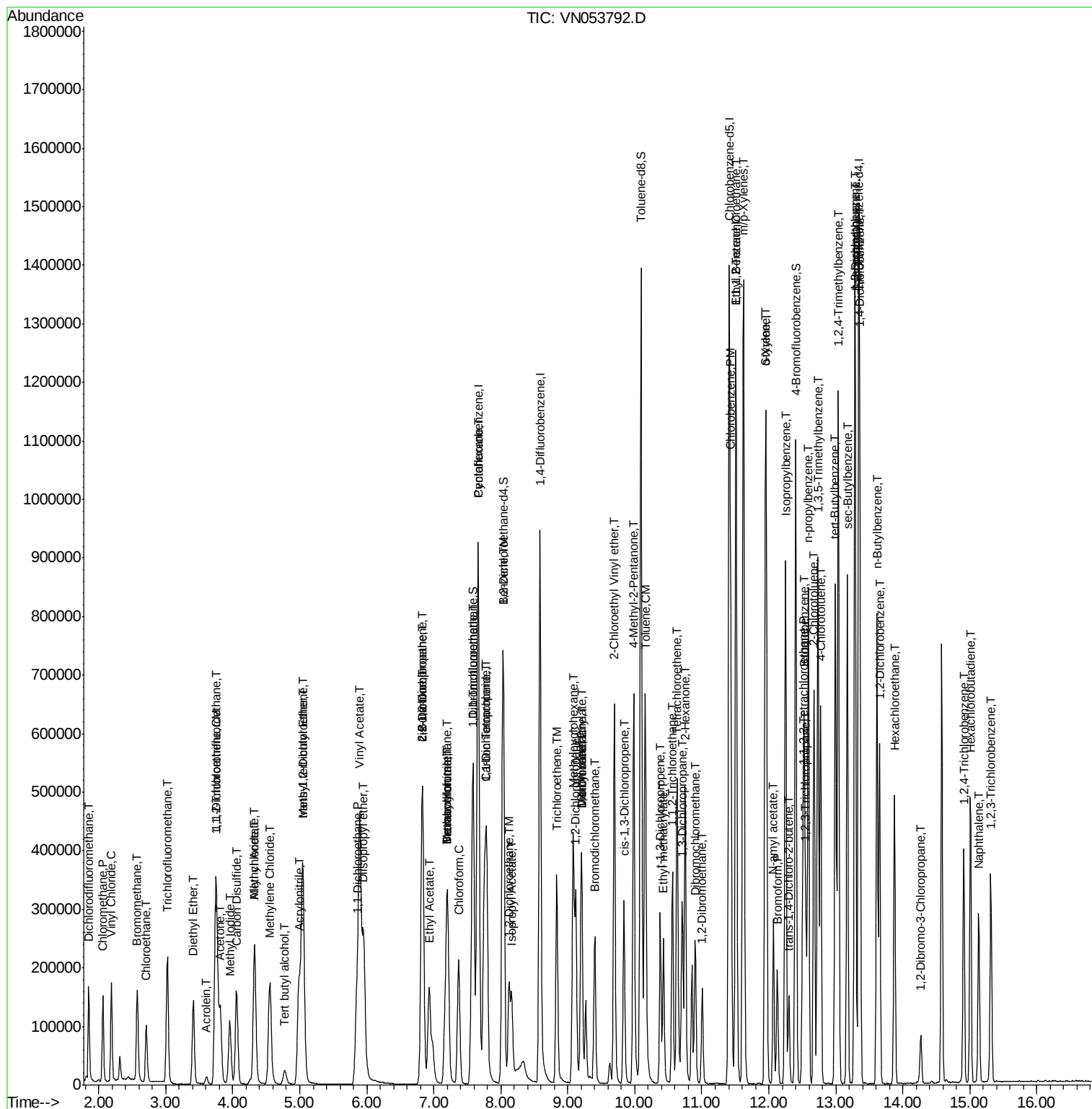
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	142210	19.098	ug/l	100
94) Hexachlorobutadiene	15.01	225	109276	23.564	ug/l	98
95) Naphthalene	15.13	128	263500	16.277	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	139382	20.173	ug/l	98

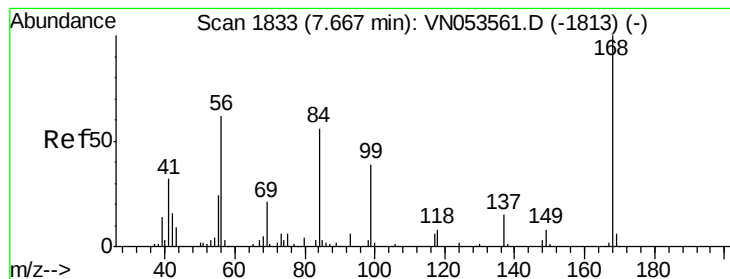
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

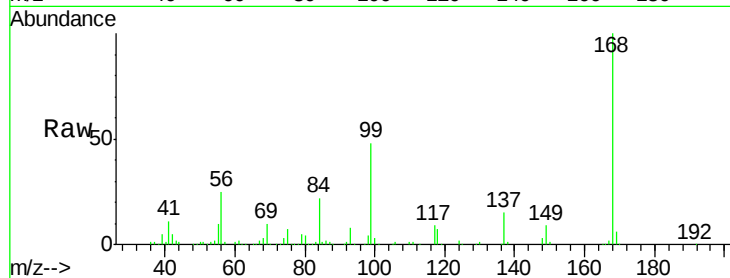
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 653806

Ion Ratio Lower Upper

168 100

99 47.1 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

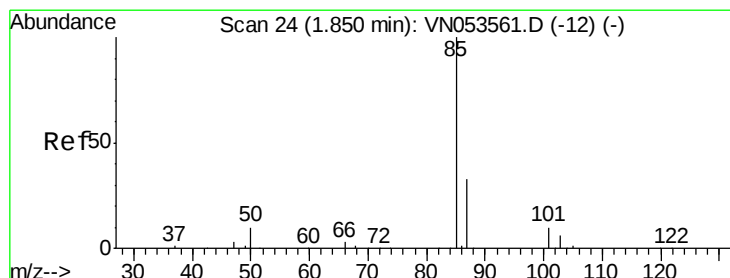
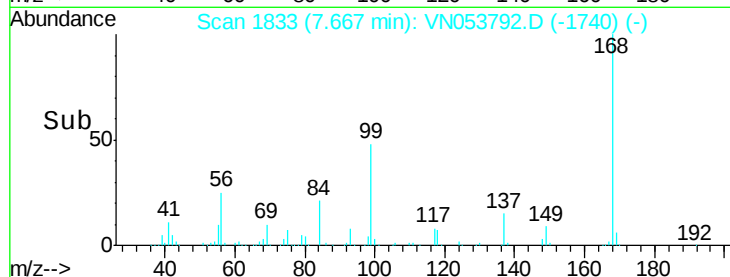
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 18.234 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053792.D

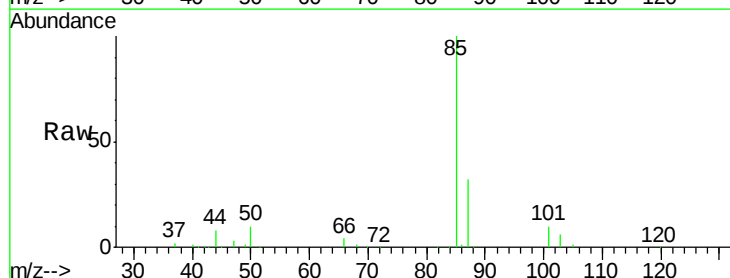
Acq: 15 Feb 2019 11:43

Tgt Ion: 85 Resp: 132810

Ion Ratio Lower Upper

85 100

87 32.3 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

100000

80000

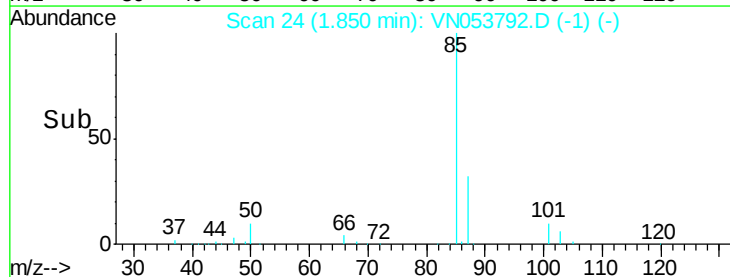
60000

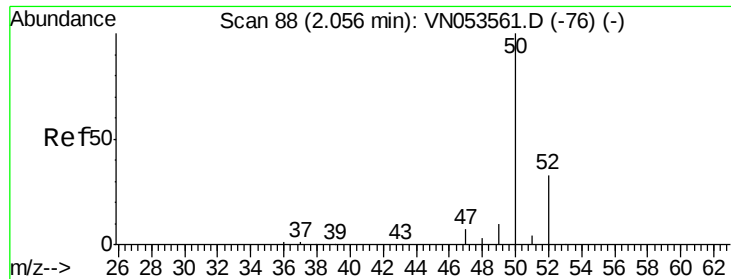
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.585 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

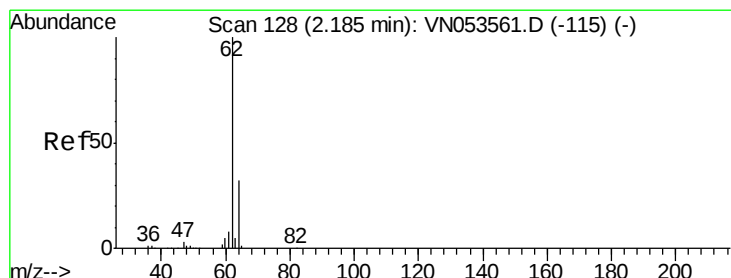
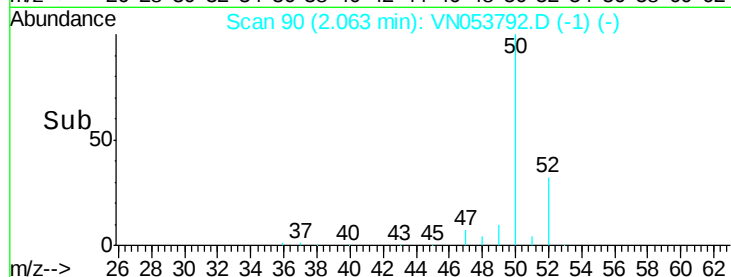
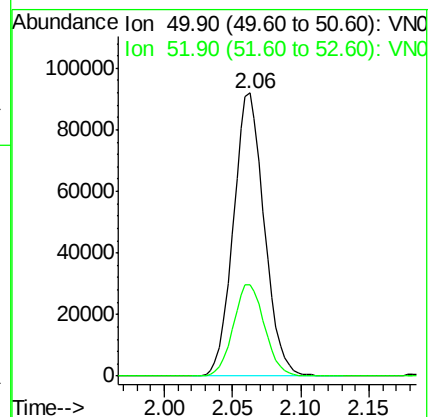
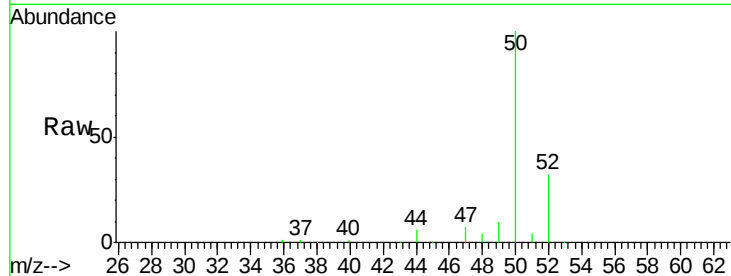
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 144254

Ion Ratio Lower Upper

50 100

52 32.5 26.6 40.0



#4

Vinyl Chloride

Concen: 20.948 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053792.D

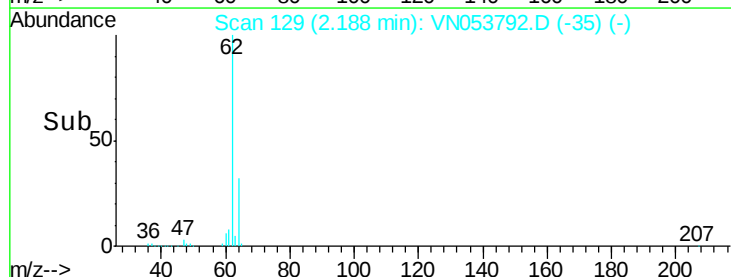
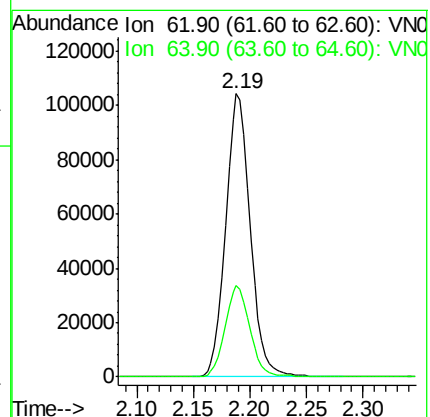
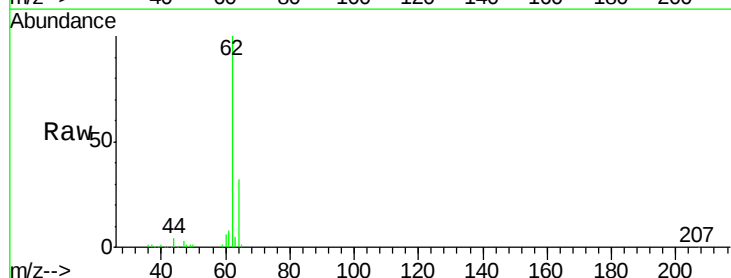
Acq: 15 Feb 2019 11:43

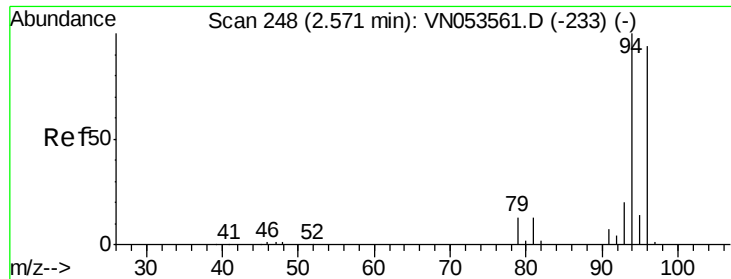
Tgt Ion: 62 Resp: 157844

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 22.501 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

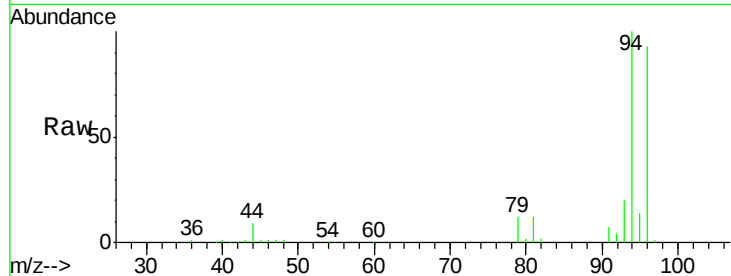
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 110854

Ion Ratio Lower Upper

94 100

96 93.3 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN053792.D (-155) (-)

Ion 95.90 (95.60 to 96.60): VN053792.D (-155) (-)

2.57

60000

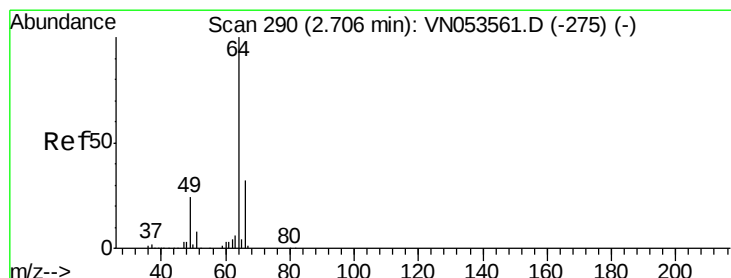
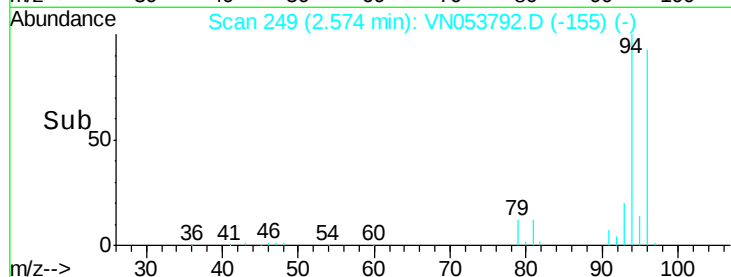
40000

20000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 22.207 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053792.D

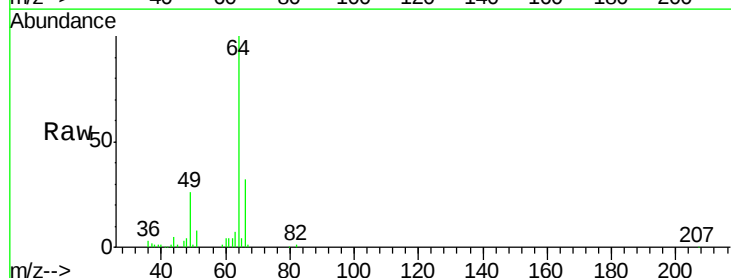
Acq: 15 Feb 2019 11:43

Tgt Ion: 64 Resp: 95620

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN053792.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN053792.D (-197) (-)

2.71

50000

40000

30000

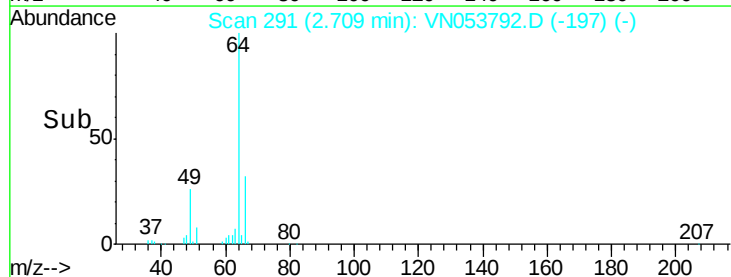
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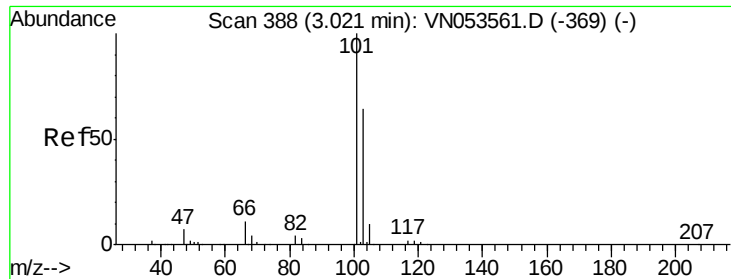
10000

0

Time-->

2.60 2.65 2.70 2.75 2.80



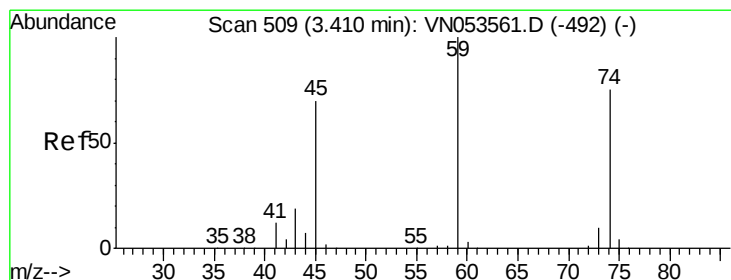
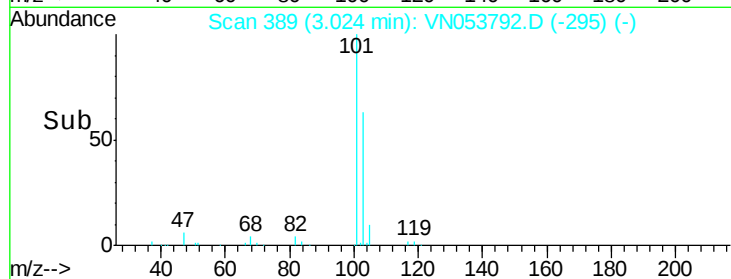
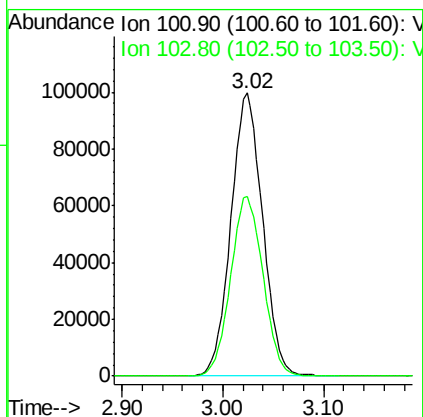
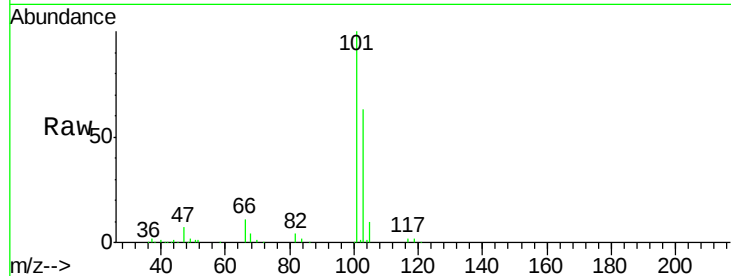


#7

Trichlorofluoromethane
Concen: 21.279 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampled :

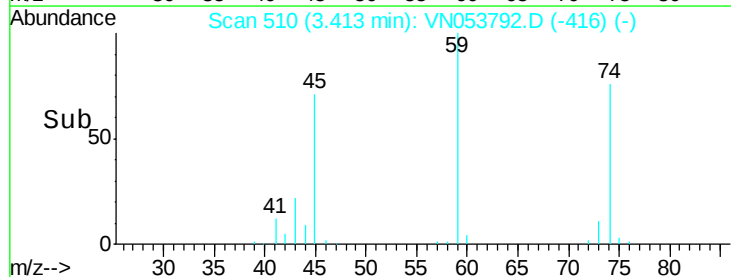
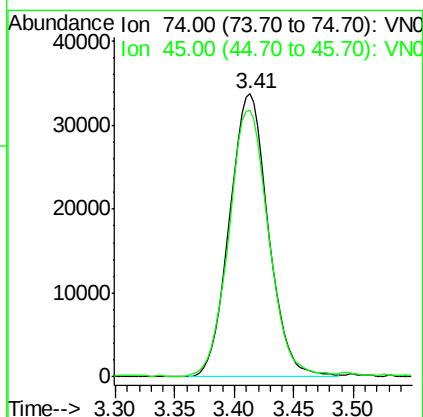
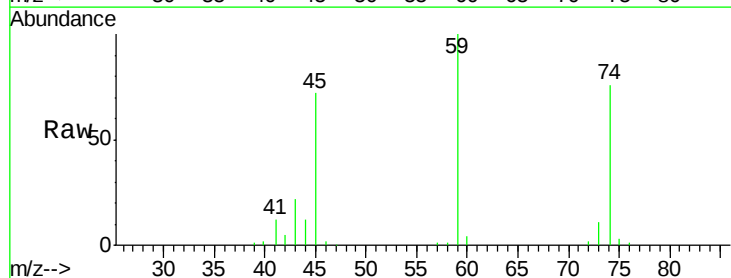
Tot Ion:101 Resp: 217427
Ion Ratio Lower Upper
101 100
103 63.4 51.6 77.4



#8

Diethyl Ether
Concen: 20.484 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 74 Resp: 76437
Ion Ratio Lower Upper
74 100
45 96.9 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.144 ug/l

RT: 3.76 min Scan# 619

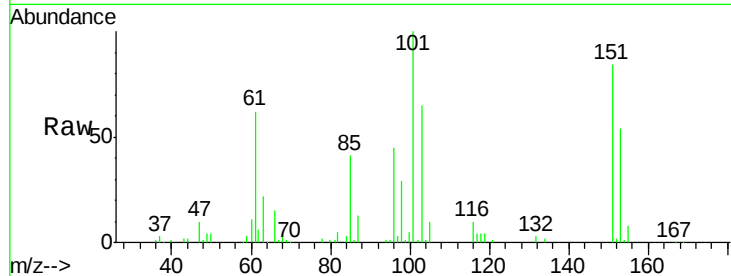
Delta R.T. 0.00 min

Lab File: VN053792.D

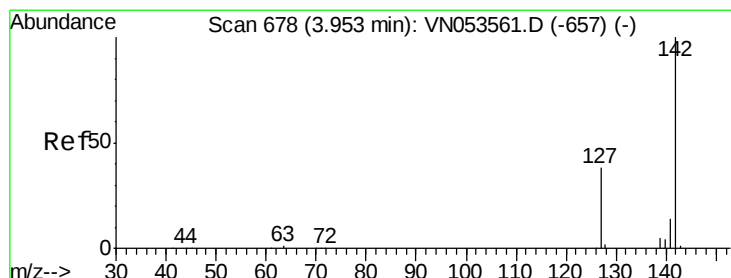
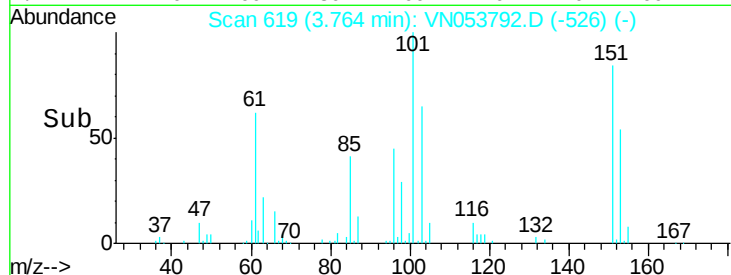
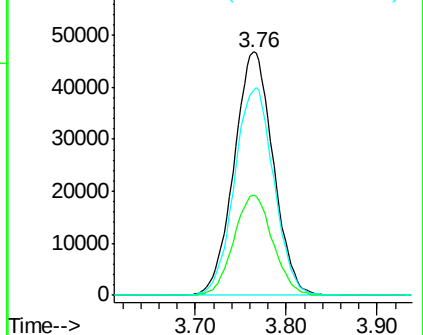
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	101	Resp:	139937
Ion	Ratio	Lower	Upper
101	100		
85	40.8	32.8	49.2
151	85.6	66.9	100.3



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.004 ug/l

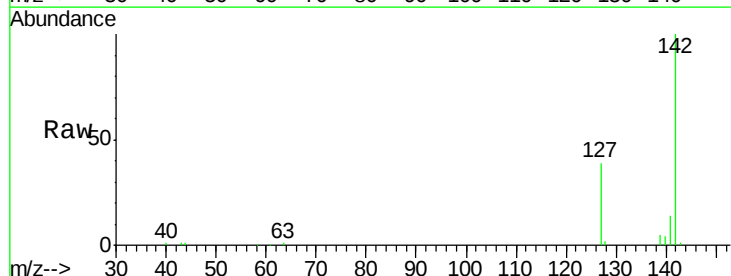
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

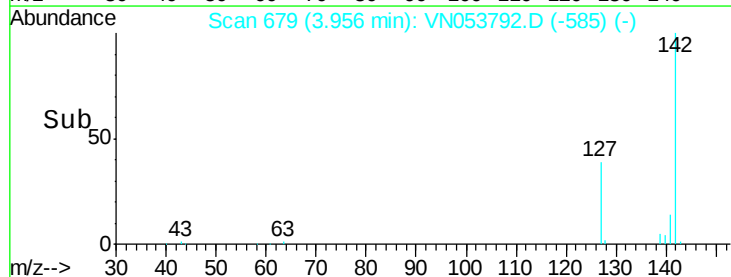
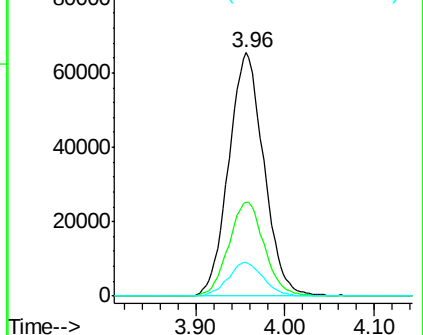
Lab File: VN053792.D

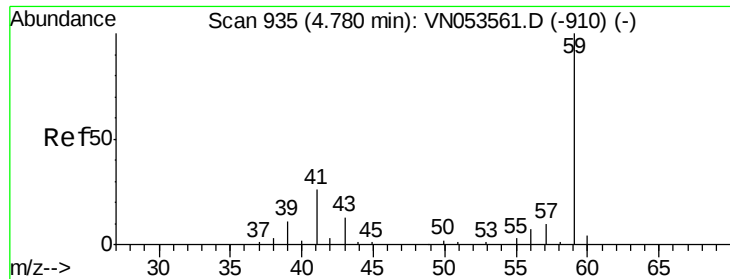
Acq: 15 Feb 2019 11:43

Tgt Ion:	142	Resp:	178576
Ion	Ratio	Lower	Upper
142	100		
127	39.3	31.0	46.4
141	13.9	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

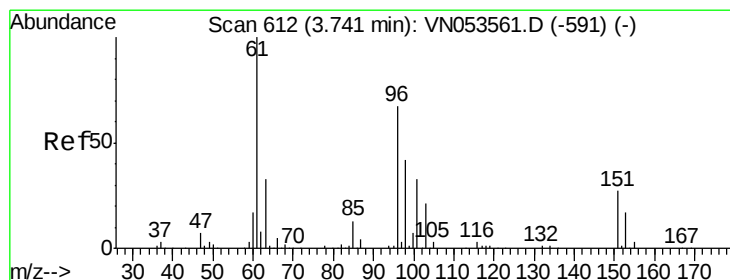
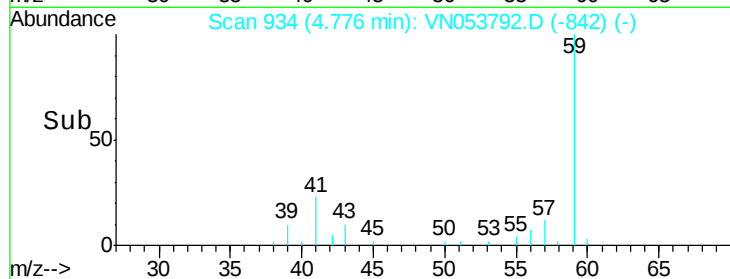
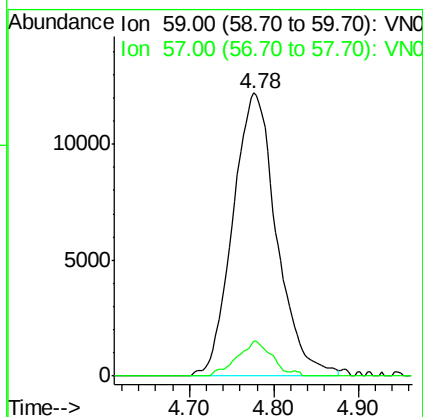
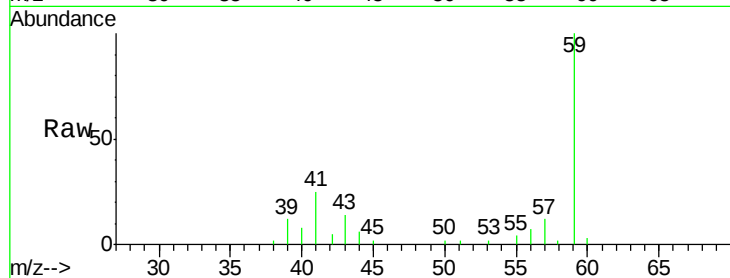




#11
Tert butyl alcohol
Concen: 113.459 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

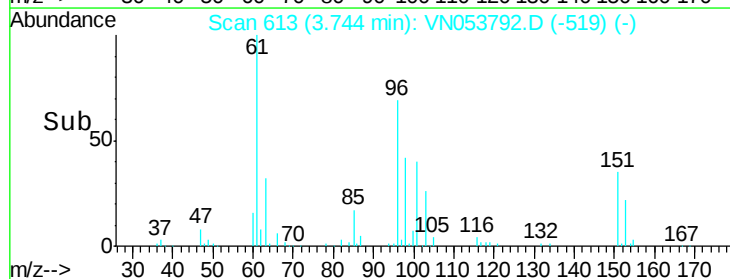
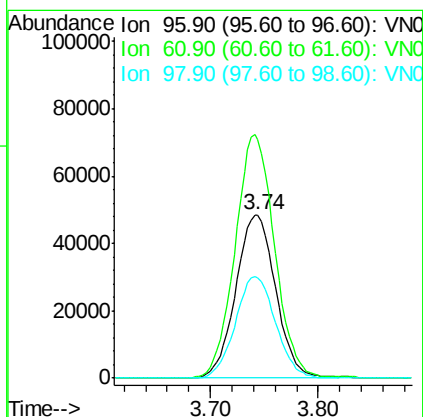
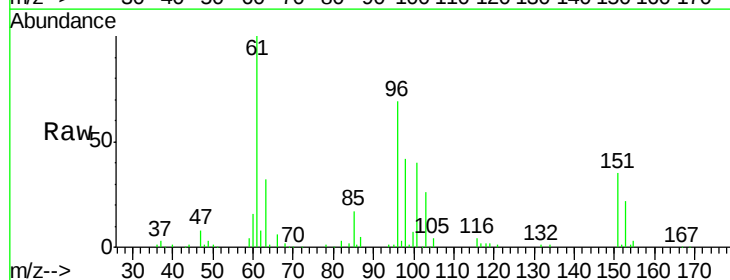
Instrument :
MSVOA_N
ClientSampled :

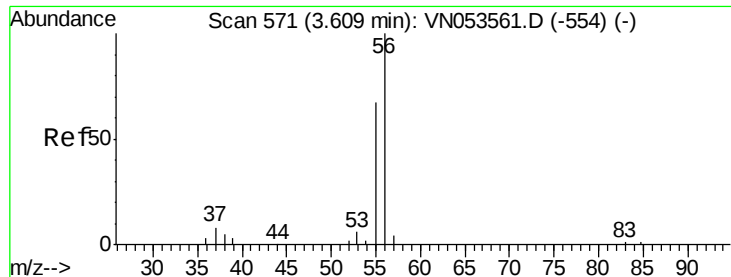
Tot Ion: 59 Resp: 44042
Ion Ratio Lower Upper
59 100
57 9.6 8.2 12.4



#12
1,1-Dichloroethene
Concen: 20.526 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 96 Resp: 124273
Ion Ratio Lower Upper
96 100
61 145.9 122.9 184.3
98 61.4 49.4 74.0





#13

Acrolein

Concen: 72.015 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

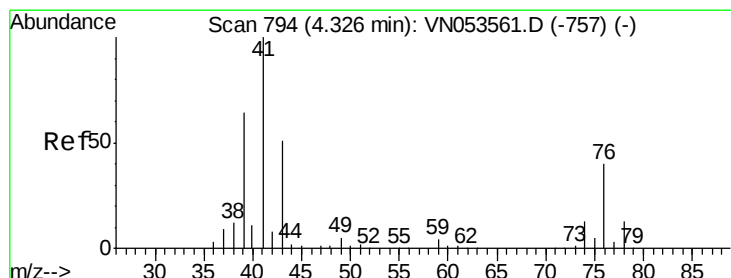
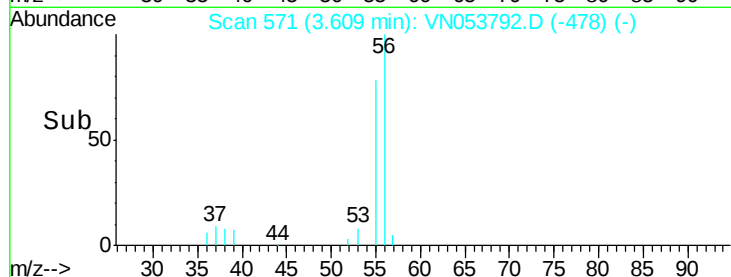
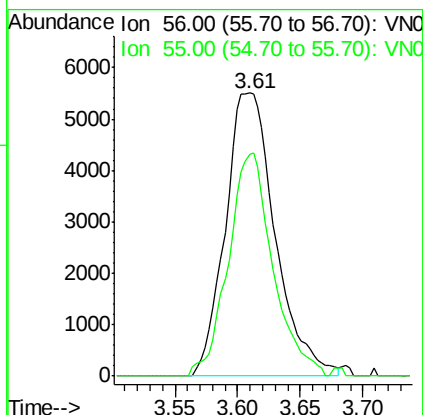
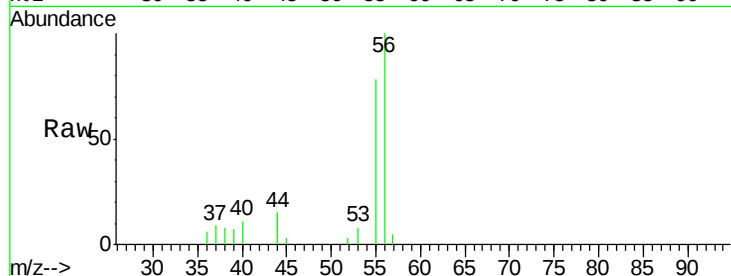
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 15220

Ion Ratio Lower Upper

56 100

55 70.3 57.4 86.0



#14

Allyl chloride

Concen: 18.823 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

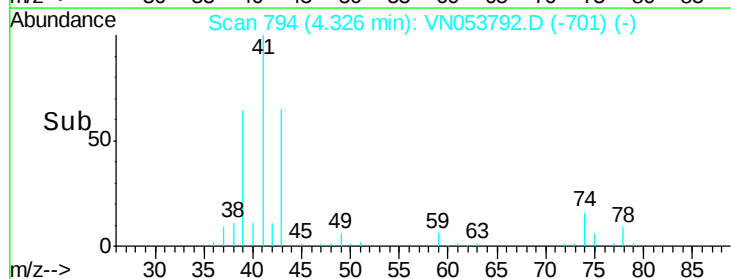
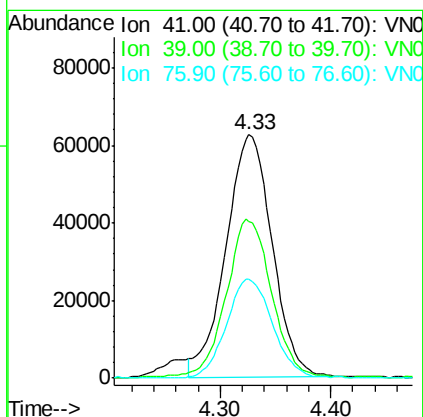
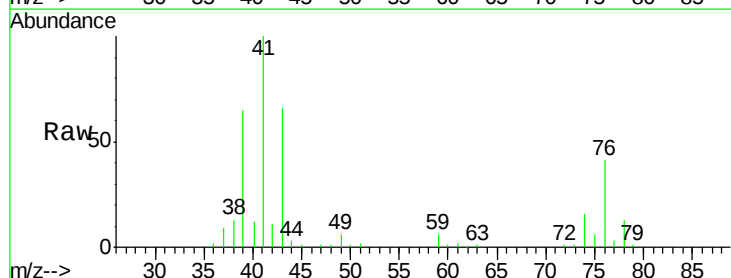
Tgt Ion: 41 Resp: 181452

Ion Ratio Lower Upper

41 100

39 65.5 48.9 73.3

76 40.9 29.4 44.2





#15

Acrylonitrile

Concen: 112.507 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :

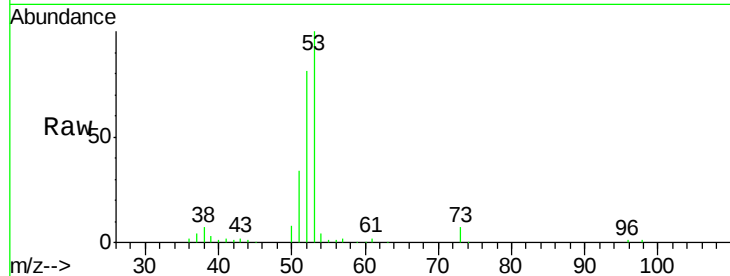
Tot Ion: 53 Resp: 235764

Ion Ratio Lower Upper

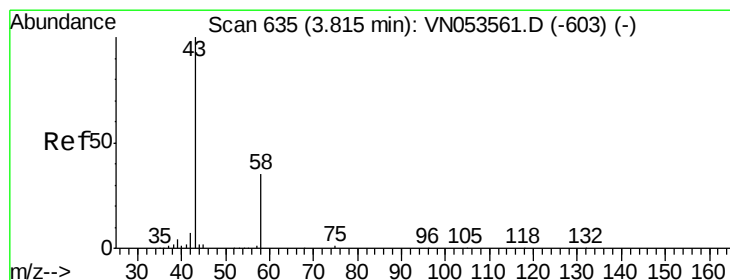
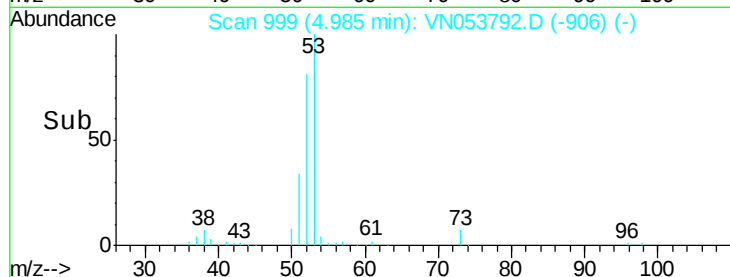
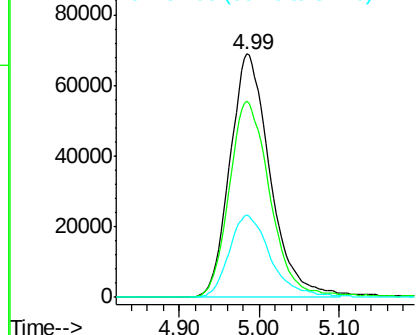
53 100

52 80.2 66.0 99.0

51 35.0 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 122.951 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053792.D

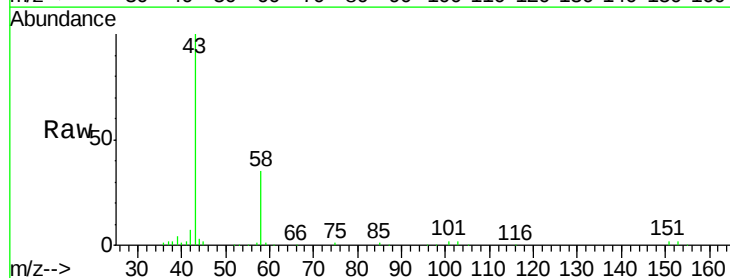
Acq: 15 Feb 2019 11:43

Tgt Ion: 43 Resp: 206851

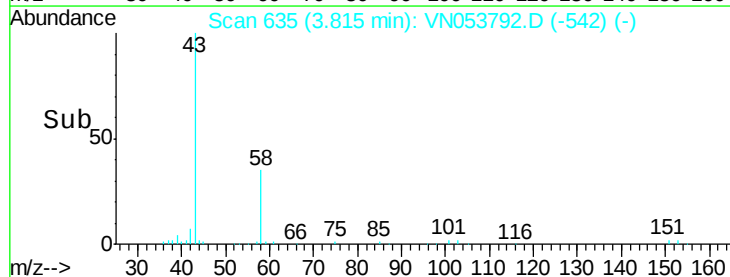
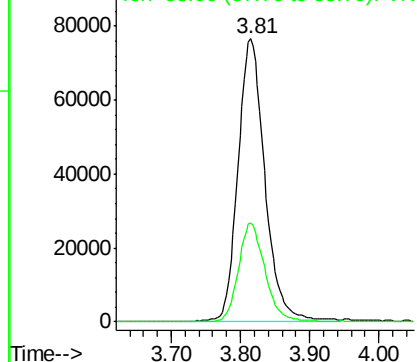
Ion Ratio Lower Upper

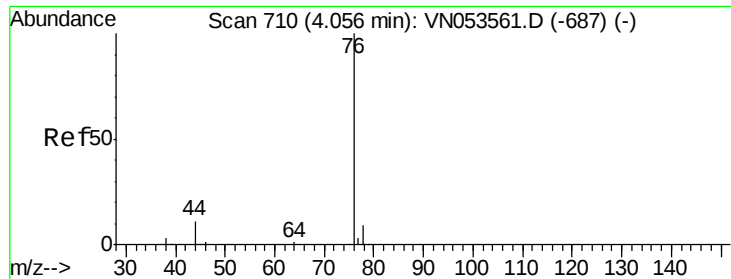
43 100

58 35.1 27.1 40.7



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

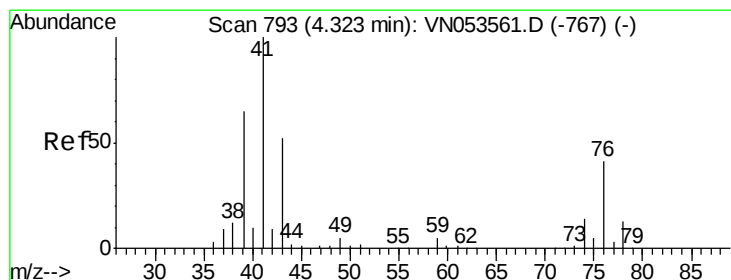
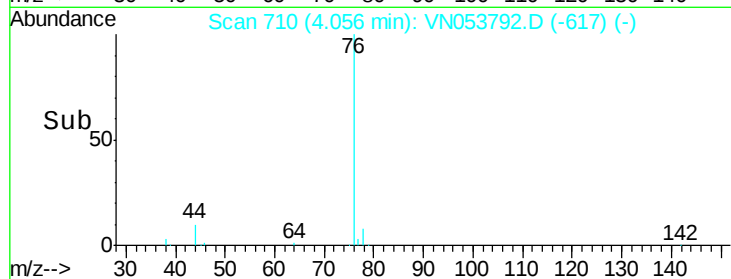
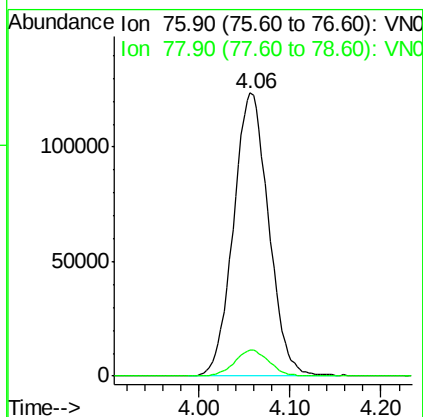
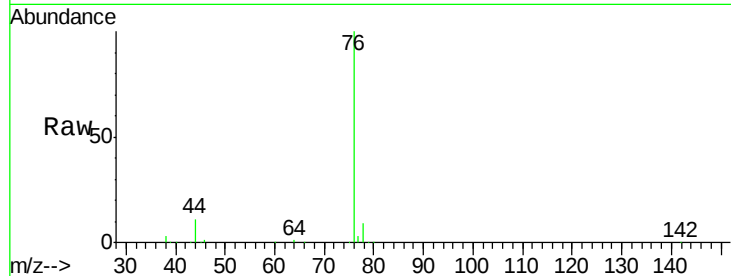




#17
Carbon Disulfide
Concen: 17.615 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

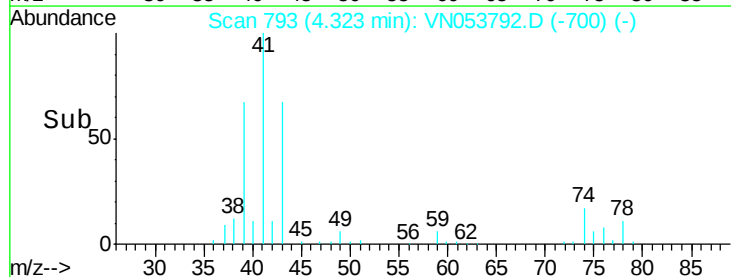
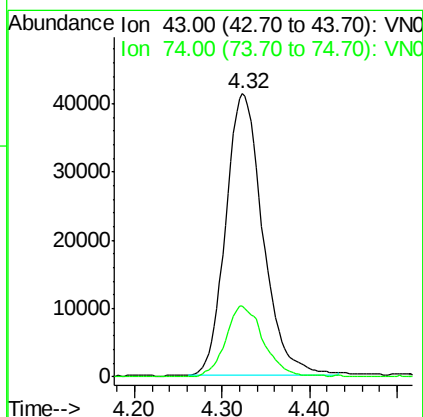
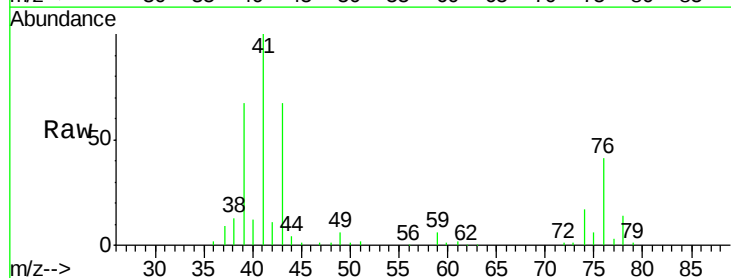
Instrument :
MSVOA_N
ClientSampled :

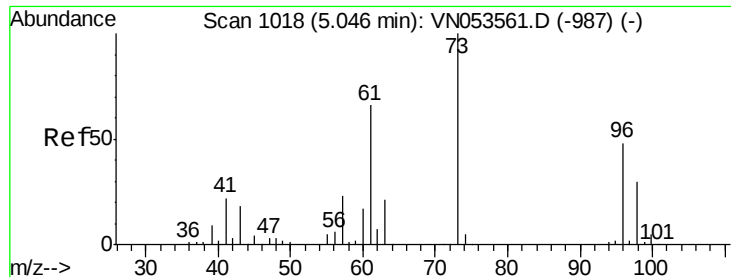
Tot Ion: 76 Resp: 332086
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 24.517 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 43 Resp: 122155
Ion Ratio Lower Upper
43 100
74 25.3 19.4 29.2

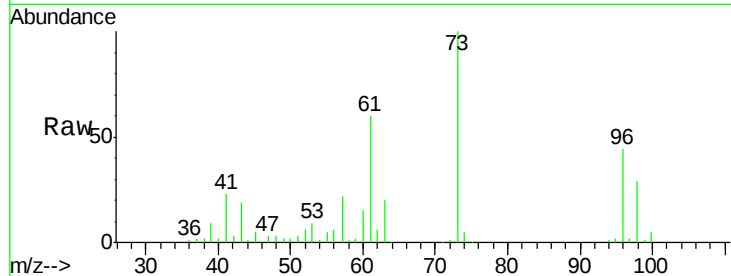




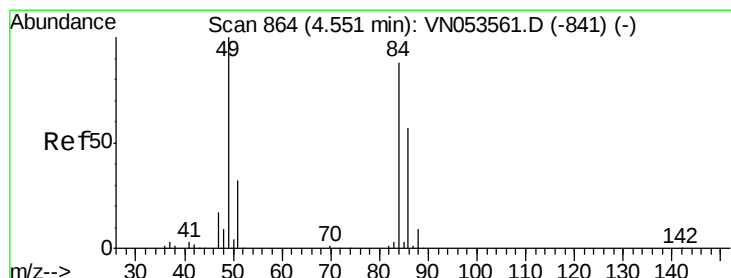
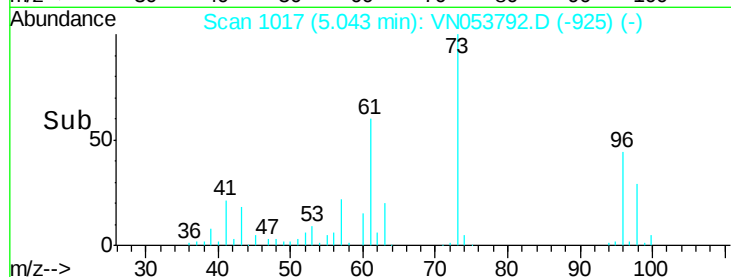
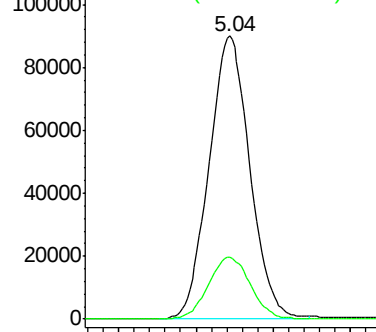
#19
Methvl tert-butvl Ether
Concen: 21.552 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 330791
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5

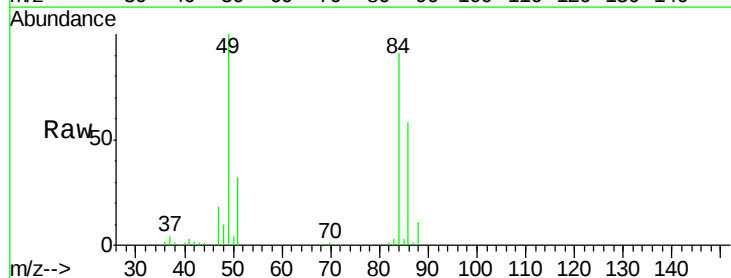


Abundance Ion 73.00 (72.70 to 73.70): VNC
Ion 57.00 (56.70 to 57.70): VNC

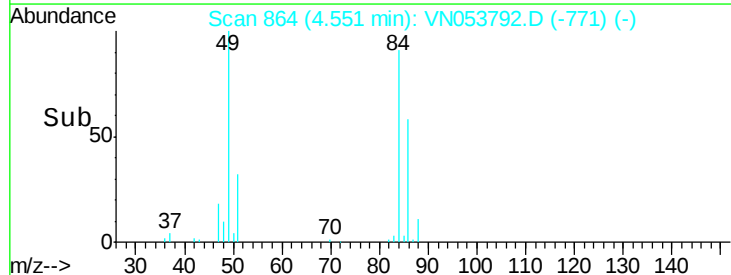
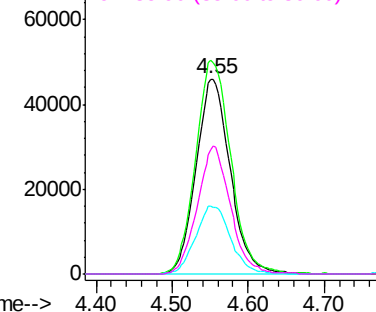


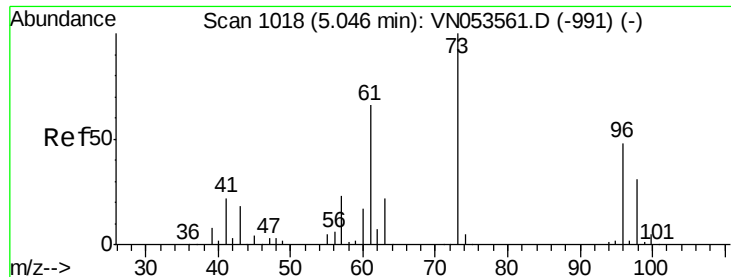
#20
Methylene Chloride
Concen: 20.412 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 84 Resp: 144073
Ion Ratio Lower Upper
84 100
49 109.5 94.3 141.5
51 34.6 29.4 44.2
86 63.5 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC





#21

trans-1,2-Dichloroethene

Concen: 19.635 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :

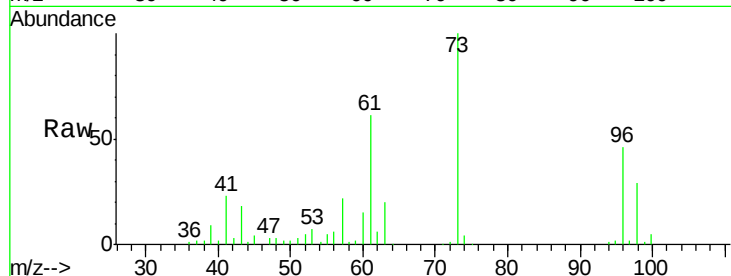
Tot Ion: 96 Resp: 128252

Ion Ratio Lower Upper

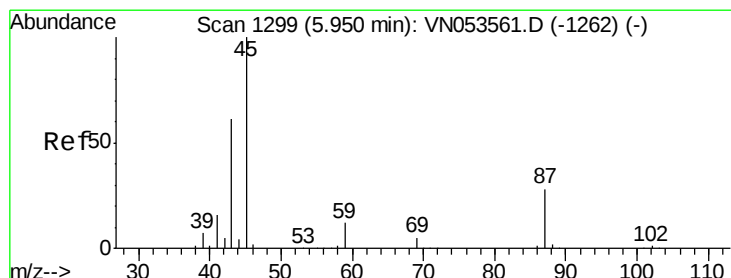
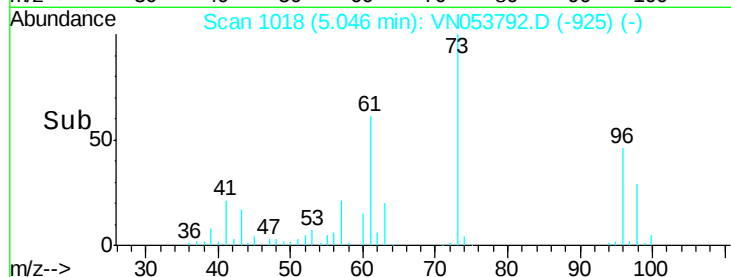
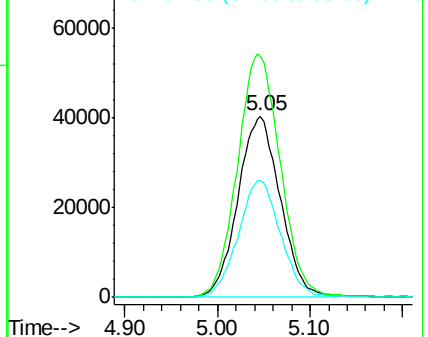
96 100

61 133.1 110.1 165.1

98 64.7 50.0 75.0



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



#22

Diisopropyl ether

Concen: 20.145 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Tgt Ion: 45 Resp: 359835

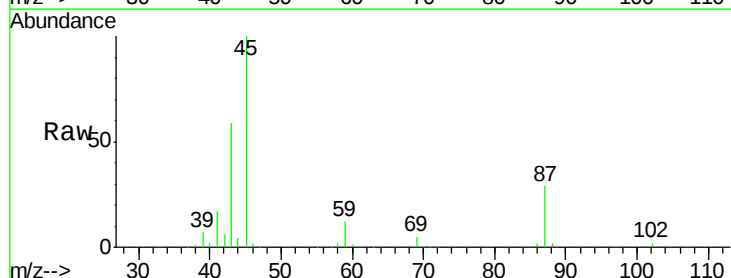
Ion Ratio Lower Upper

45 100

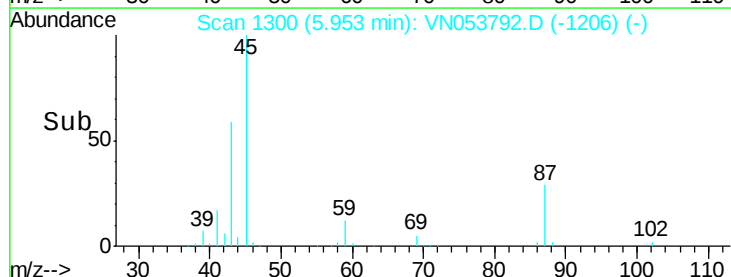
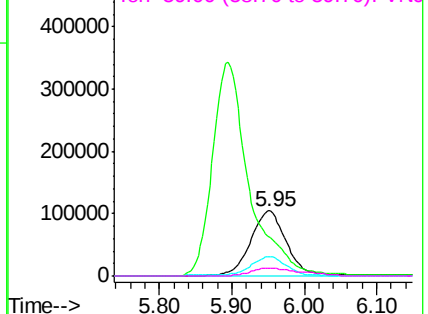
43 55.3 44.2 66.4

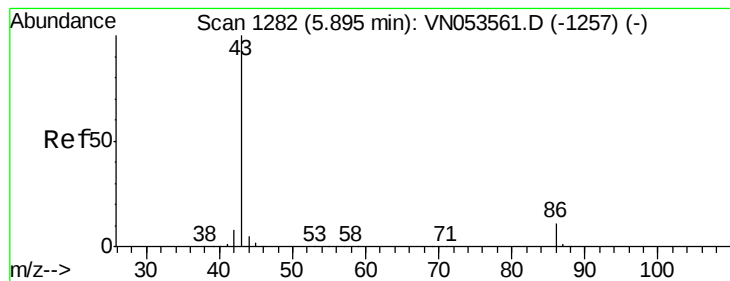
87 28.4 22.7 34.1

59 12.1 9.4 14.2



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





#23

Vinyl Acetate

Concen: 97.963 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

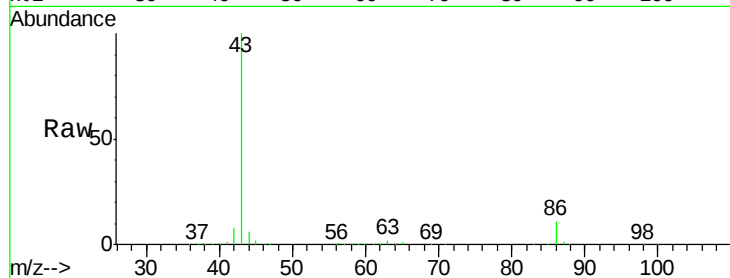
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1210495

Ion Ratio Lower Upper

43 100

86 11.3 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN053792.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN053792.D (-1189) (-)

5.90

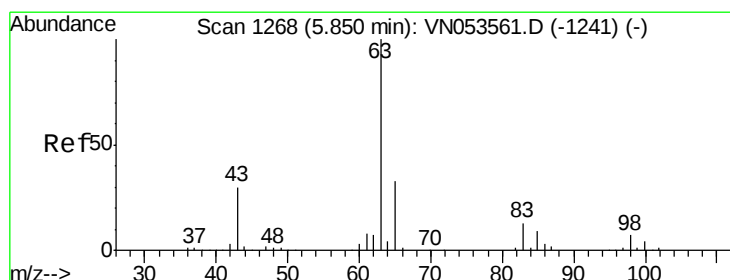
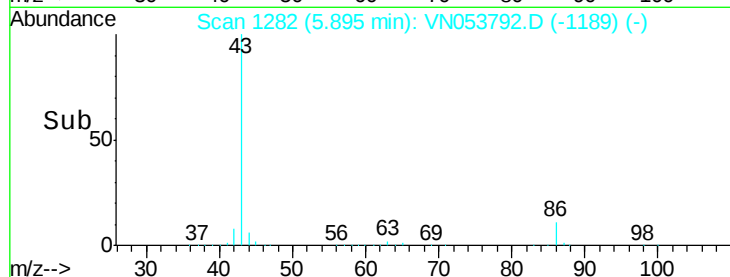
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.567 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

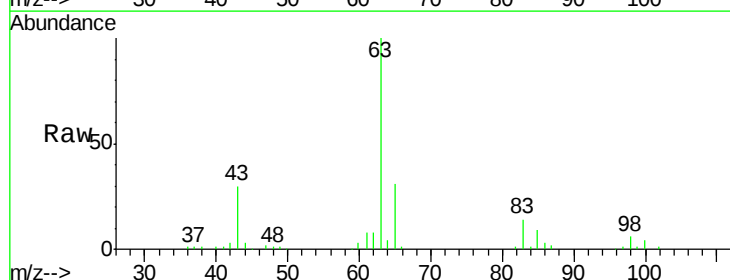
Tgt Ion: 63 Resp: 233120

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN053792.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN053792.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN053792.D (-1175) (-)

5.85

100000

80000

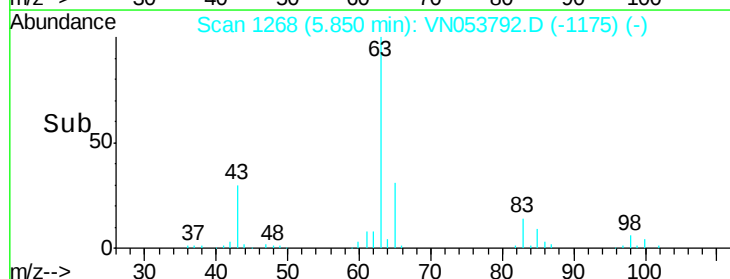
60000

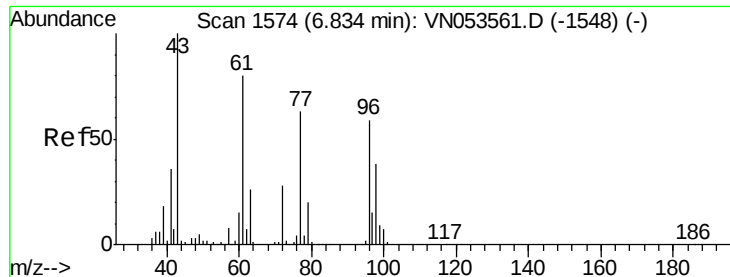
40000

20000

0

Time-->





#25

2-Butanone

Concen: 106.119 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

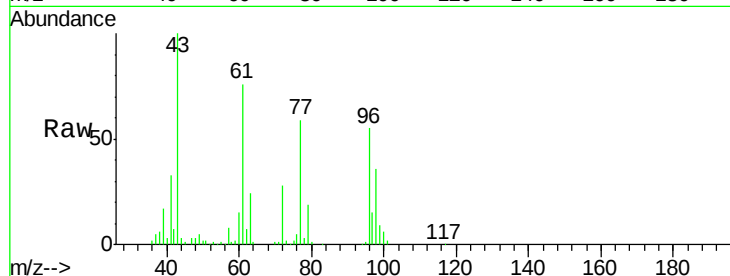
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 254627

Ion Ratio Lower Upper

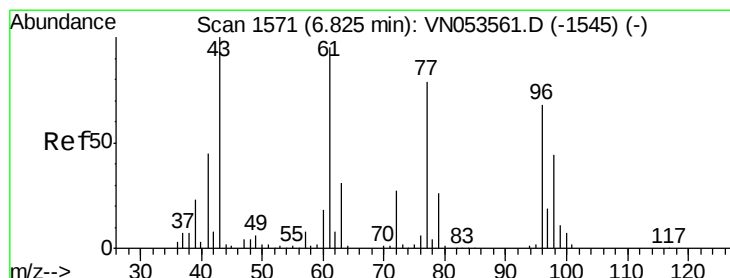
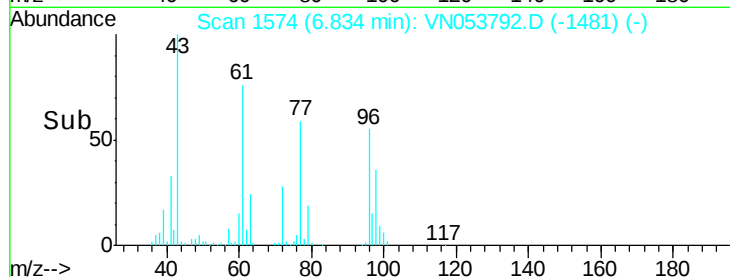
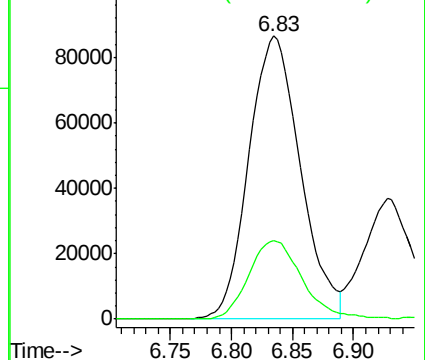
43 100

72 27.6 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.990 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053792.D

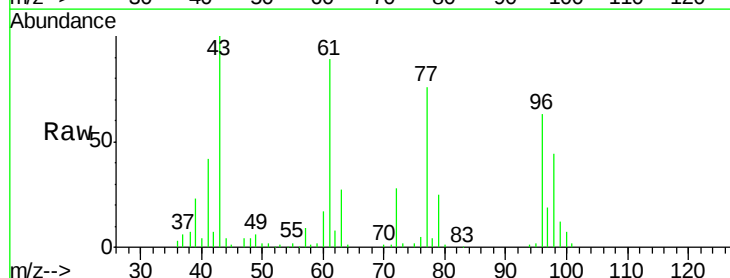
Acq: 15 Feb 2019 11:43

Tgt Ion: 77 Resp: 181795

Ion Ratio Lower Upper

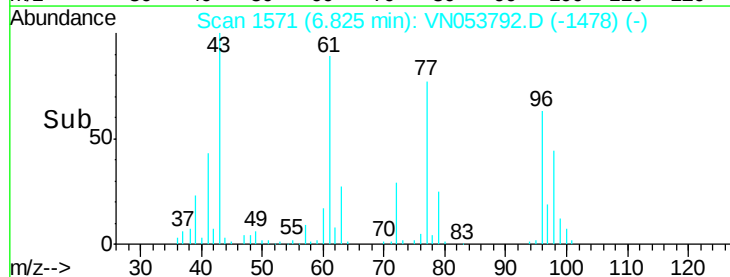
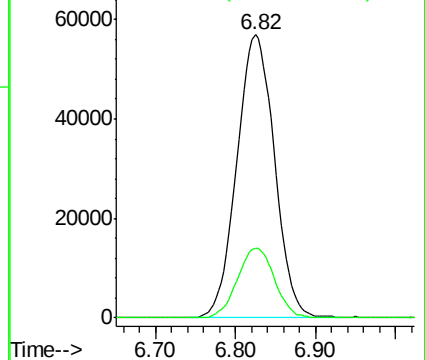
77 100

97 24.2 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.713 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampled :

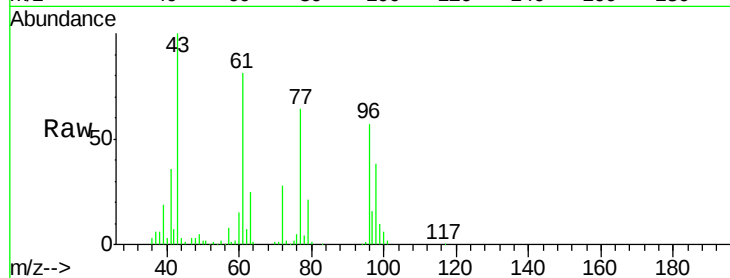
Tot Ion: 96 Resp: 143183

Ion Ratio Lower Upper

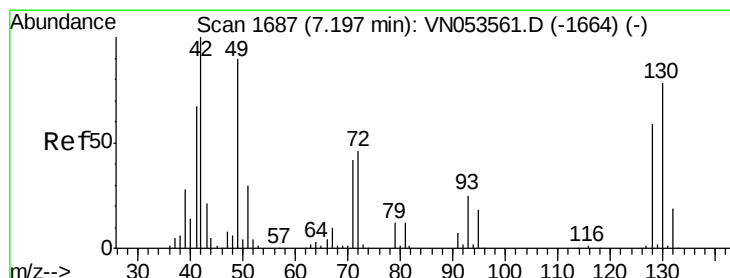
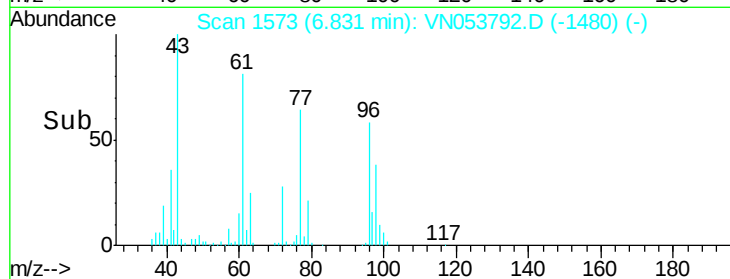
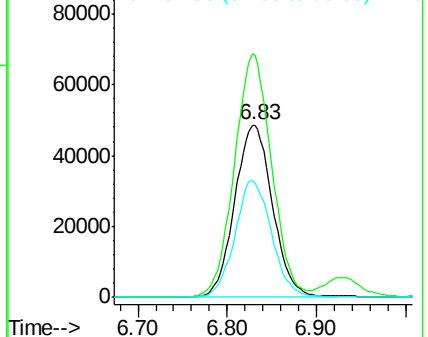
96 100

61 139.0 0.0 283.8

98 65.9 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: 20.201 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

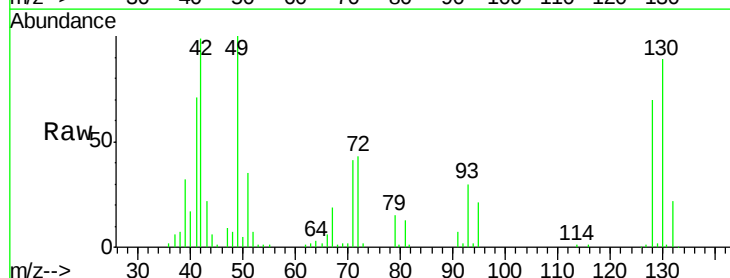
Tgt Ion: 49 Resp: 104443

Ion Ratio Lower Upper

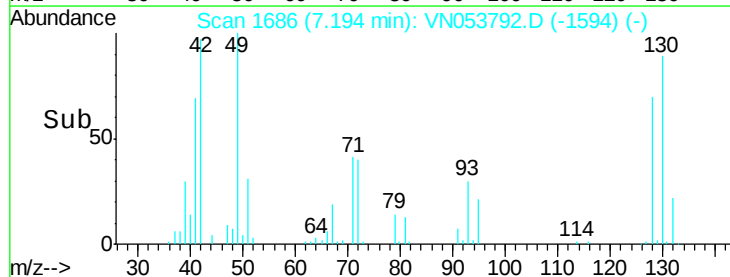
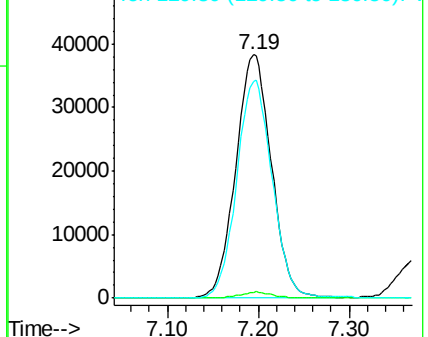
49 100

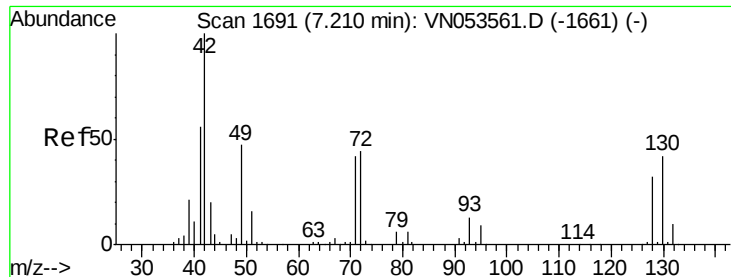
129 2.1 0.0 4.0

130 88.9 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

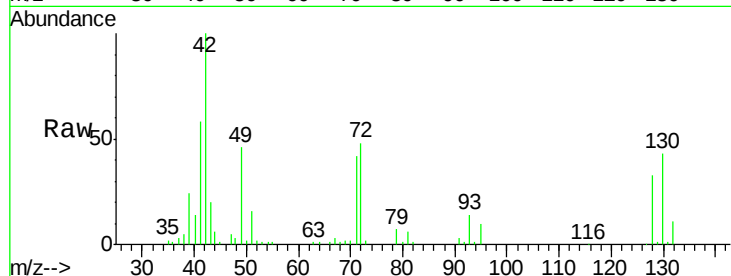




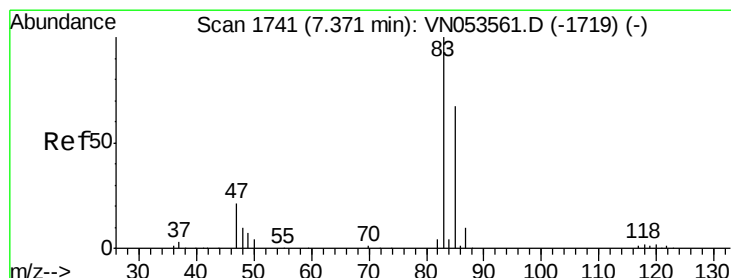
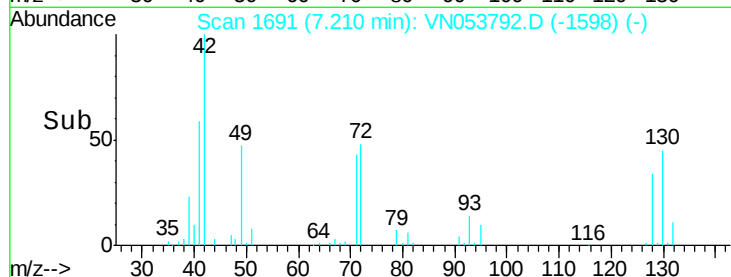
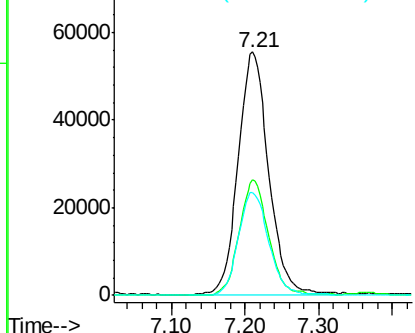
#29
Tetrahydrofuran
Concen: 105.060 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 161872
Ion Ratio Lower Upper
42 100
72 45.1 35.2 52.8
71 41.4 33.0 49.4

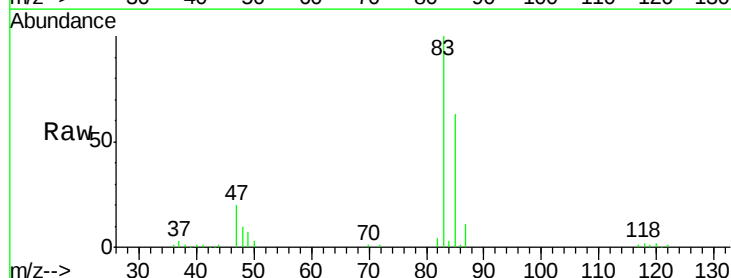


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

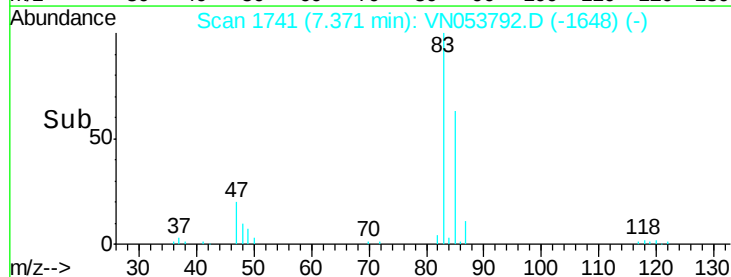
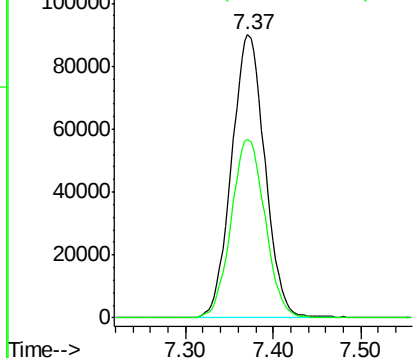


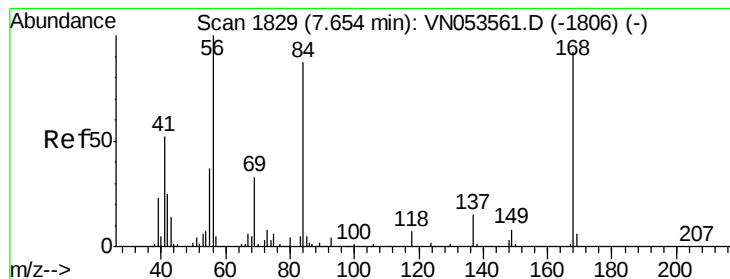
#30
Chloroform
Concen: 20.132 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 83 Resp: 237764
Ion Ratio Lower Upper
83 100
85 63.0 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: 18.501 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampled :

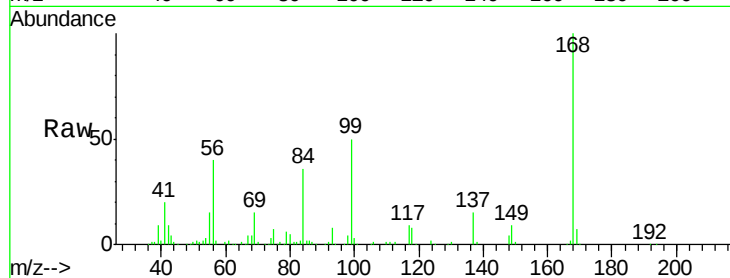
Tot Ion: 56 Resp: 206396

Ion Ratio Lower Upper

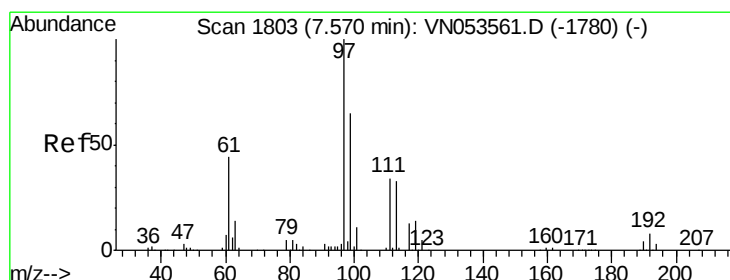
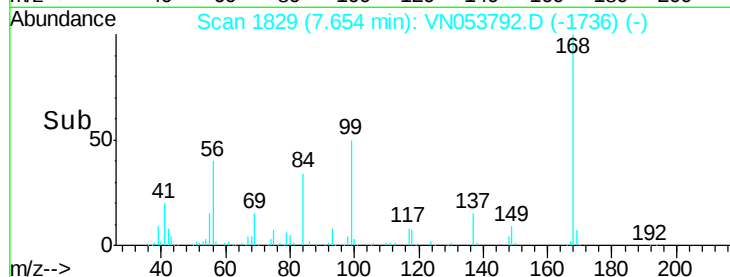
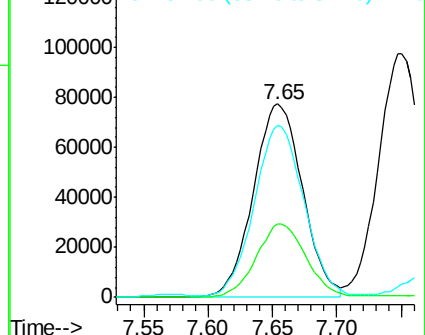
56 100

69 38.2 26.4 39.6

84 88.0 67.9 101.9



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



#32

1,1,1-Trichloroethane

Concen: 20.018 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

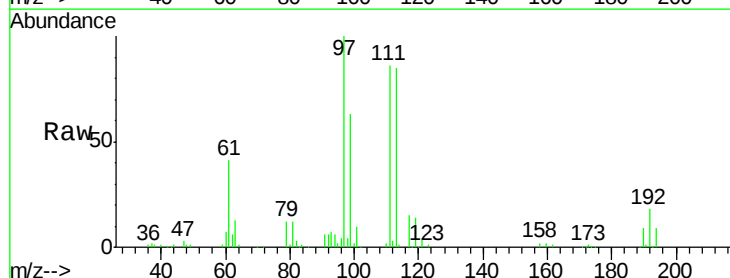
Tgt Ion: 97 Resp: 196743

Ion Ratio Lower Upper

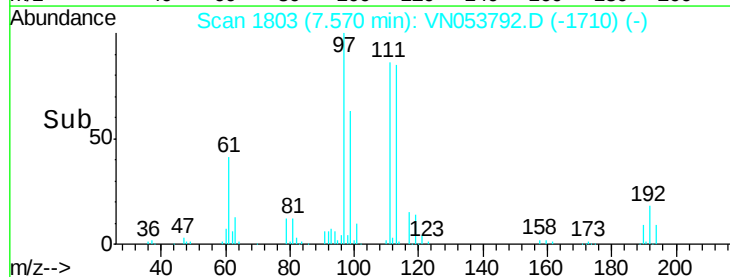
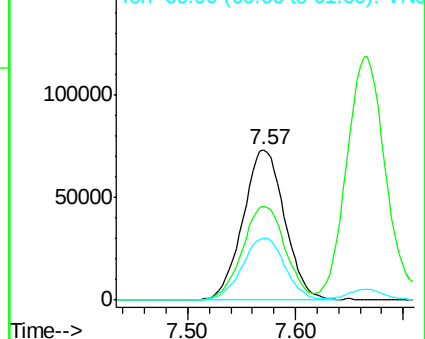
97 100

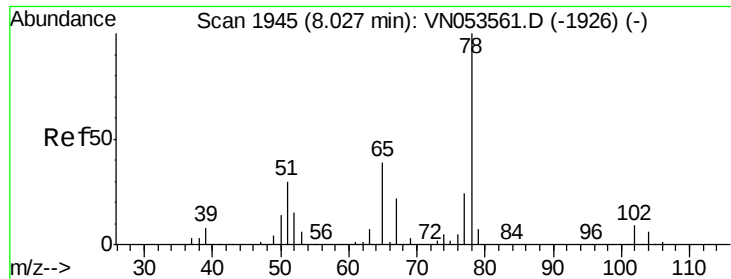
99 64.1 52.0 78.0

61 42.0 34.4 51.6



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

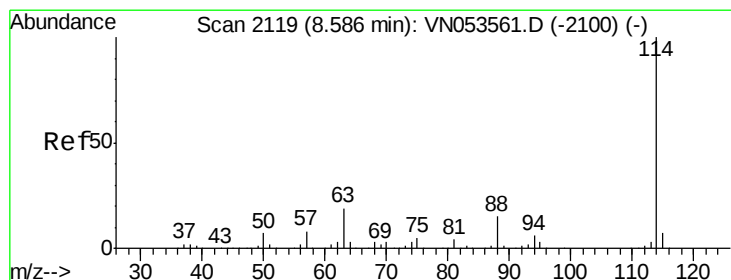
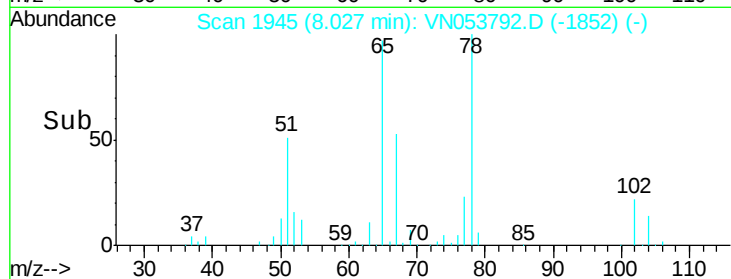
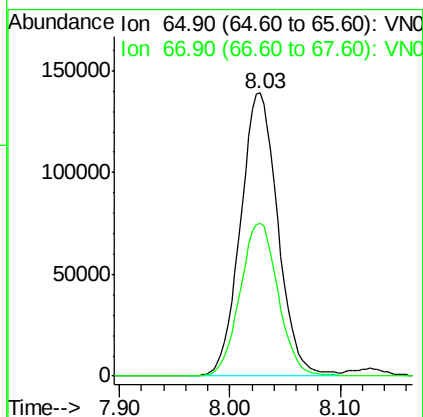
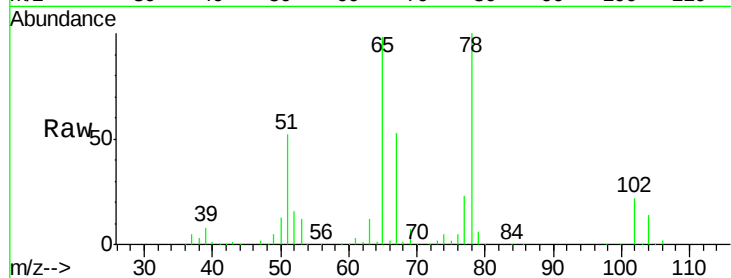




#33
 1,2-Dichloroethane-d4
 Concen: 49.799 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

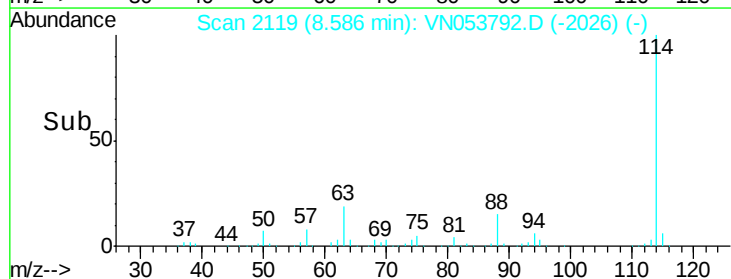
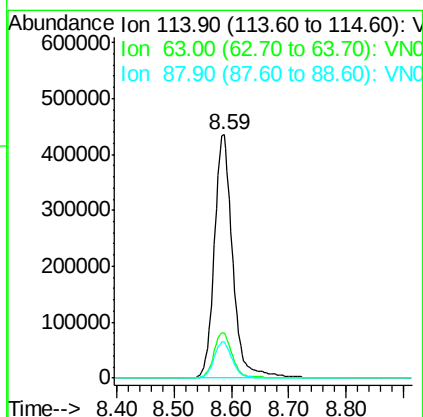
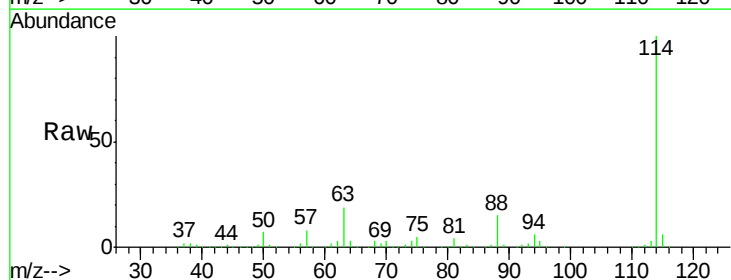
Instrument :
 MSVOA_N
 ClientSampleId :

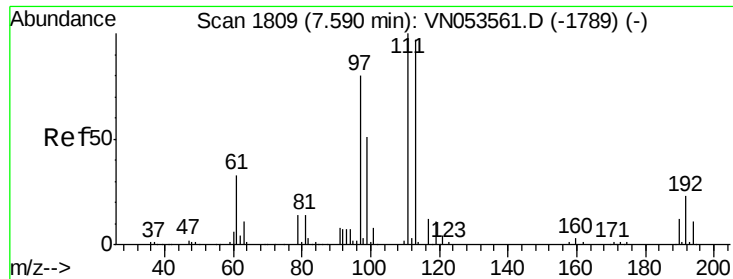
Tot Ion: 65 Resp: 326628
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Tgt Ion: 114 Resp: 972943
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.6
 88 14.9 0.0 30.4

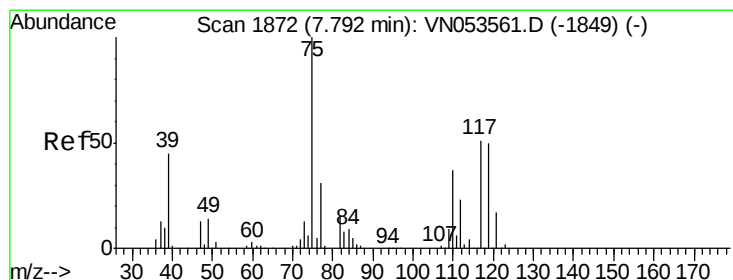
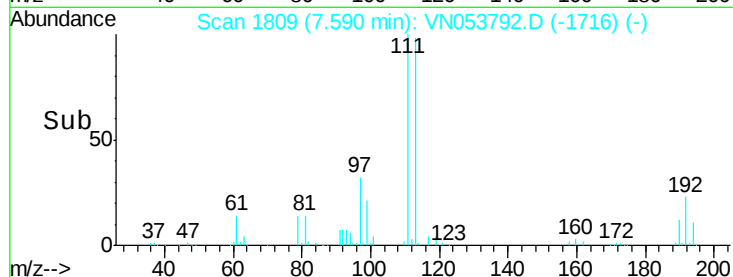
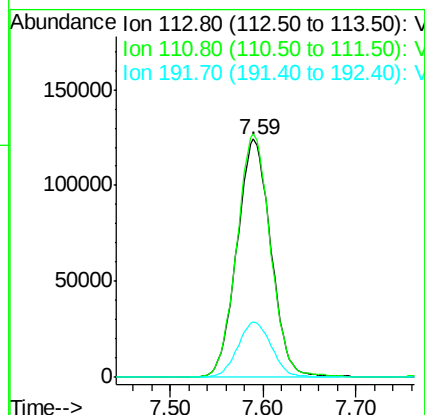
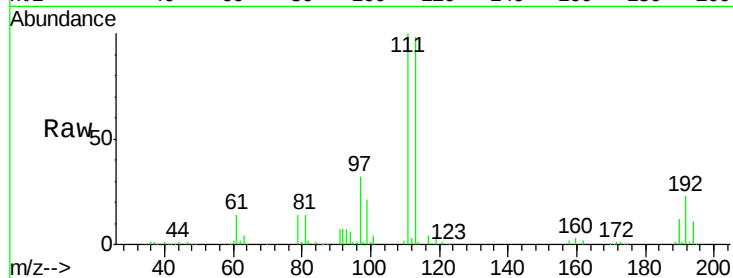




#35
Dibromofluoromethane
Concen: 51.351 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

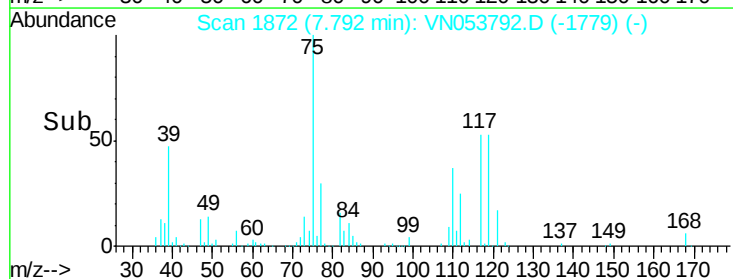
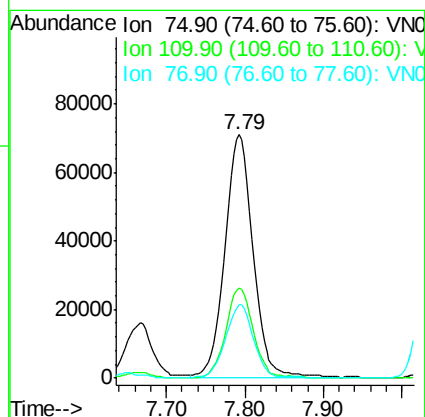
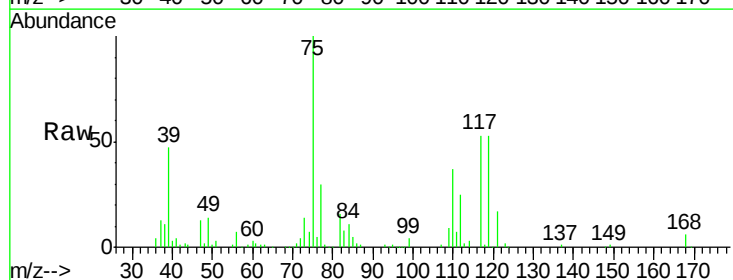
Instrument :
MSVOA_N
ClientSampleId :

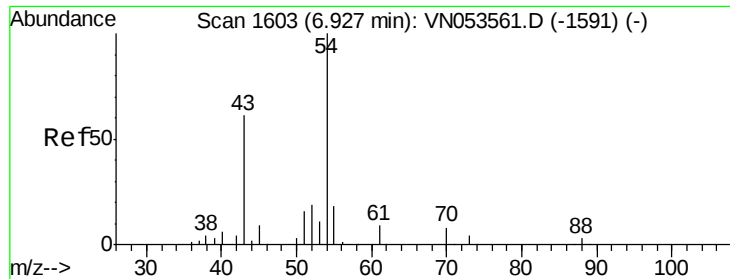
Tot Ion:113 Resp: 315693
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 23.2 18.2 27.2



#36
1,1-Dichloropropene
Concen: 19.928 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 75 Resp: 174782
Ion Ratio Lower Upper
75 100
110 36.1 18.1 54.3
77 30.0 25.1 37.7

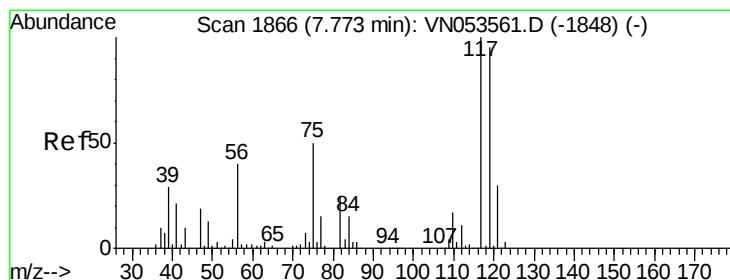
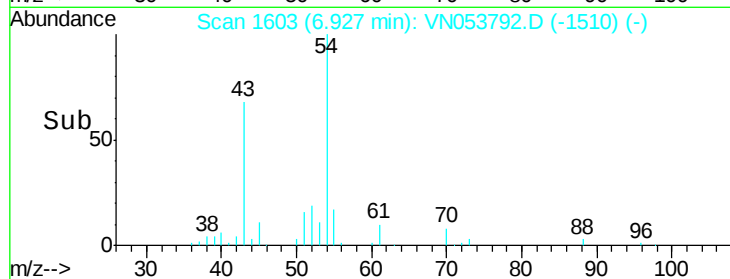
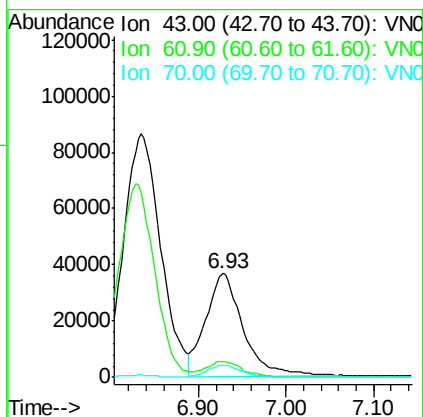
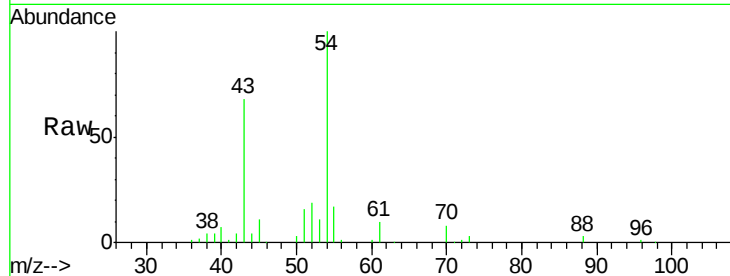




#37
Ethyl Acetate
Concen: 21.956 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

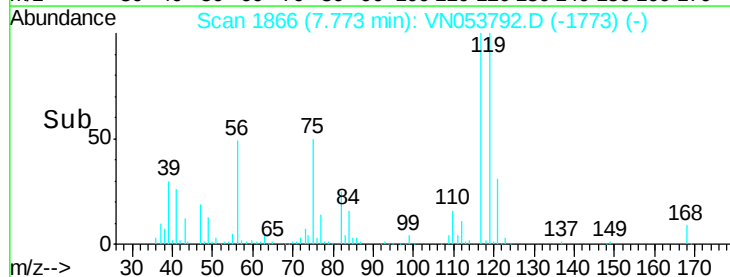
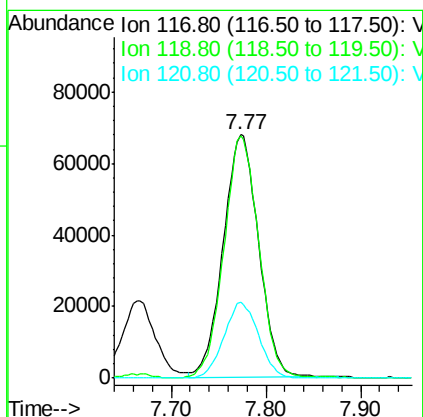
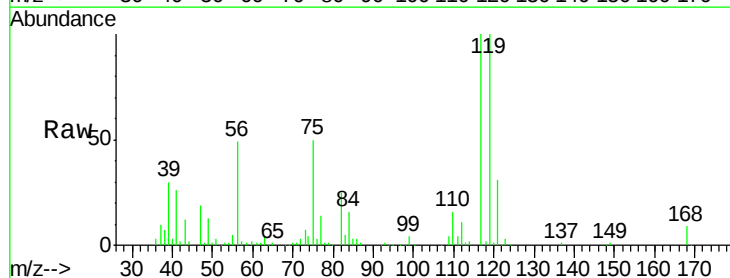
Instrument :
MSVOA_N
ClientSampled :

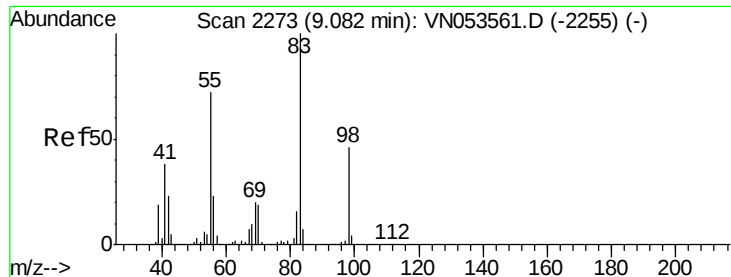
Tot Ion: 43 Resp: 107546
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.6
70 10.9 8.6 12.8



#38
Carbon Tetrachloride
Concen: 19.971 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 117 Resp: 176448
Ion Ratio Lower Upper
117 100
119 99.7 77.2 115.8
121 31.1 24.6 37.0

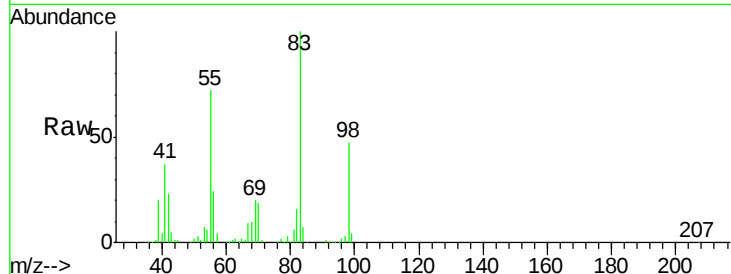




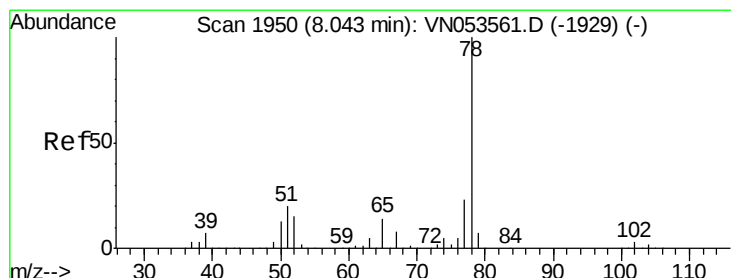
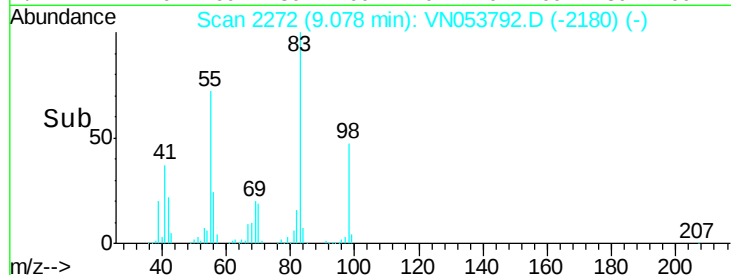
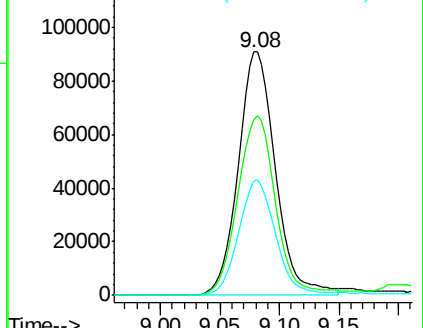
#39
Methvlcvclohexane
Concen: 18.942 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 197092
Ion Ratio Lower Upper
83 100
55 72.0 60.1 90.1
98 46.9 36.6 55.0

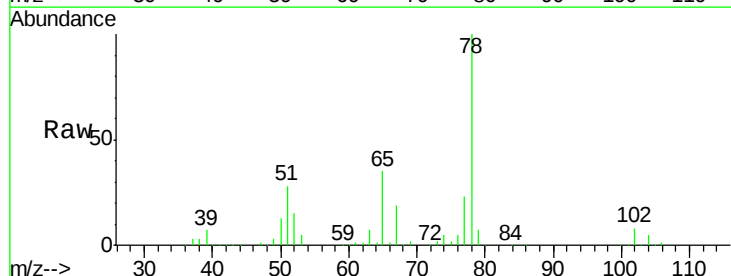


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

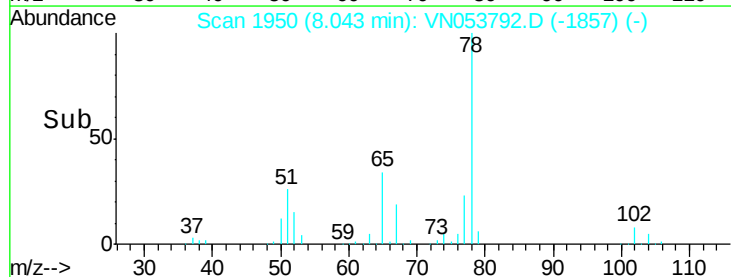
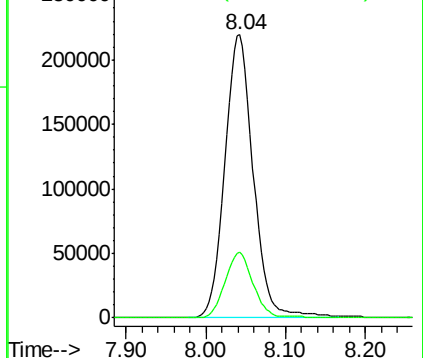


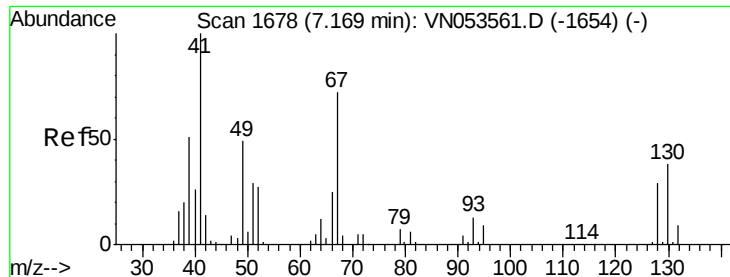
#40
Benzene
Concen: 19.819 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 78 Resp: 536023
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2



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





#41

Methacrylonitrile

Concen: 55.439 ug/l

RT: 7.21 min Scan# 1691

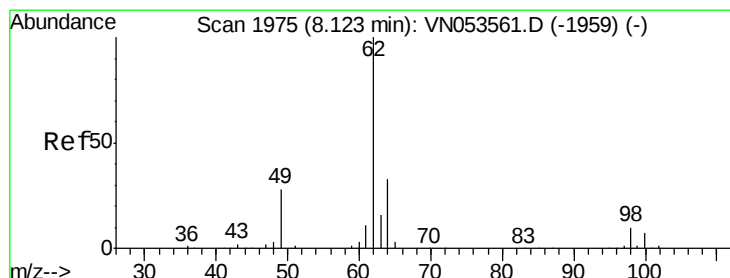
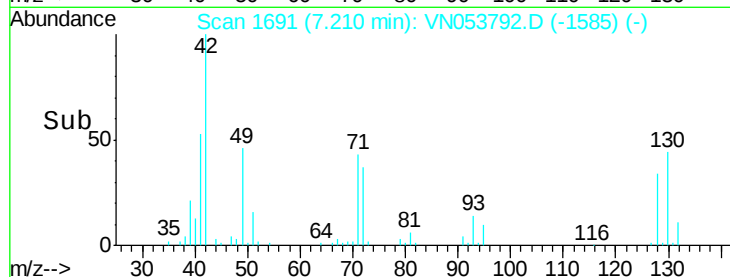
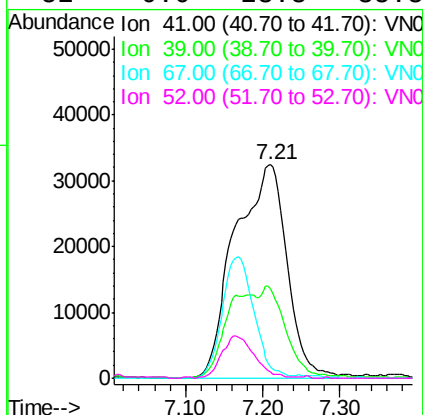
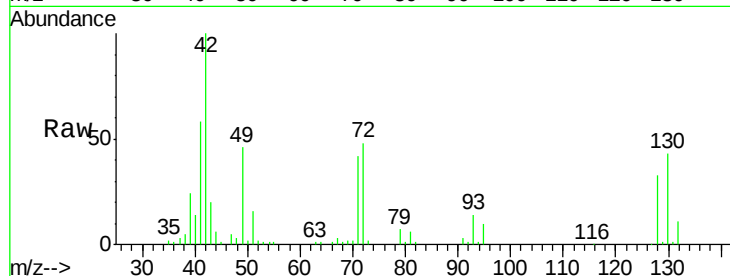
Delta R.T. 0.04 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	151774
Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.8	70.2#
67	0.0	63.0	94.6#
52	0.0	23.8	35.8#



#42

1,2-Dichloroethane

Concen: 20.201 ug/l

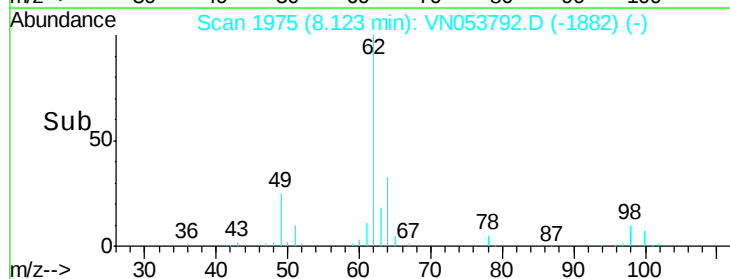
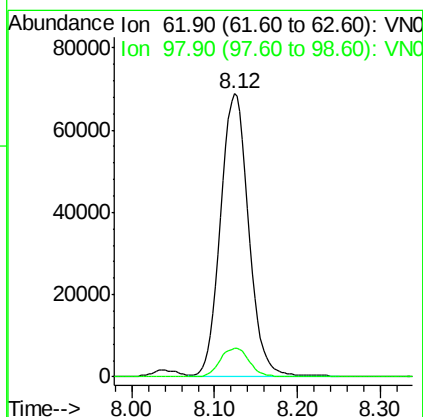
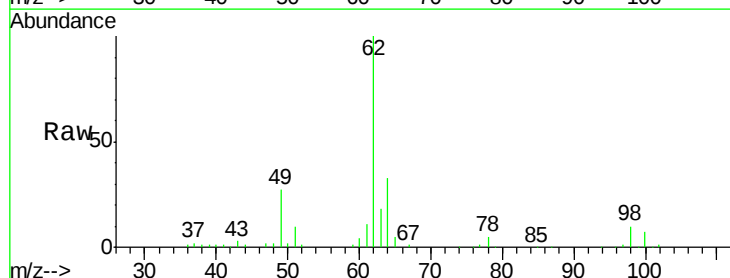
RT: 8.12 min Scan# 1975

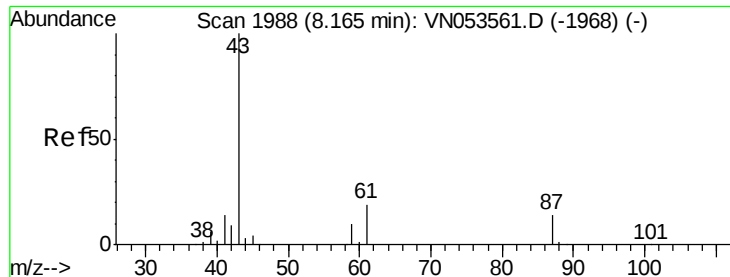
Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Tgt Ion:	62	Resp:	162221
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.6





#43

Isopropyl Acetate

Concen: 19.670 ug/l

RT: 8.16 min Scan# 1987

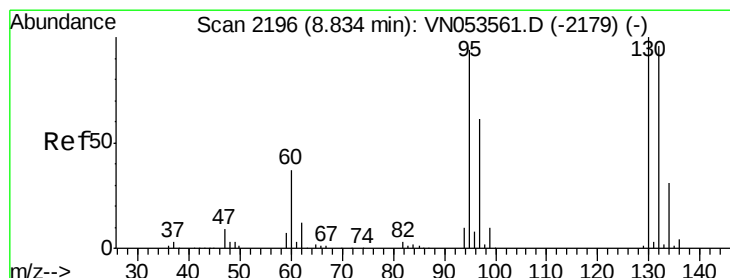
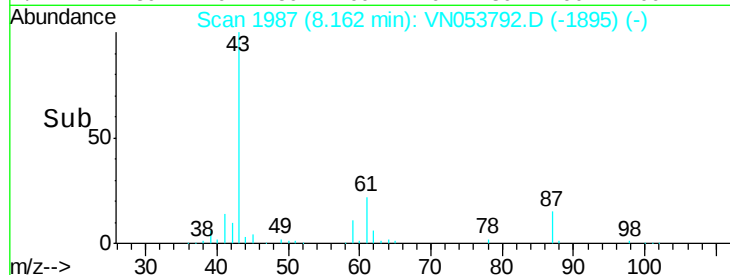
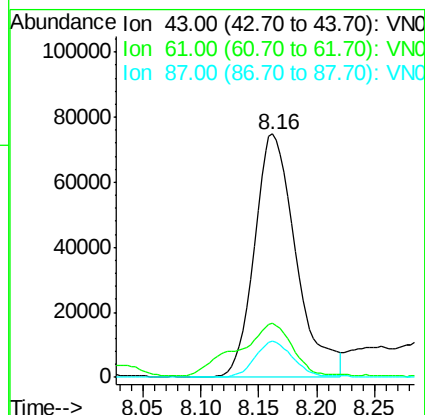
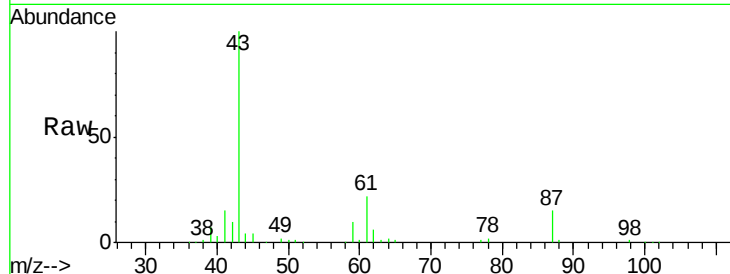
Delta R.T. -0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	43	Resp:	186077
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.9	35.9
87	13.7	11.0	16.6



#44

Trichloroethene

Concen: 19.616 ug/l

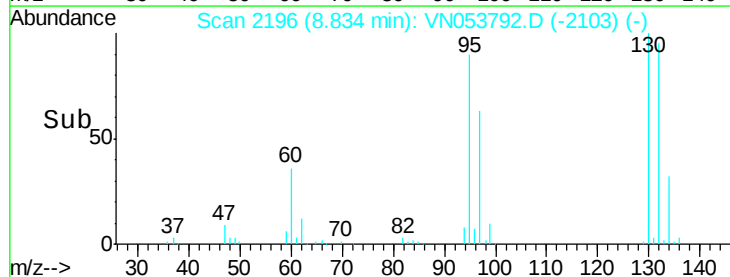
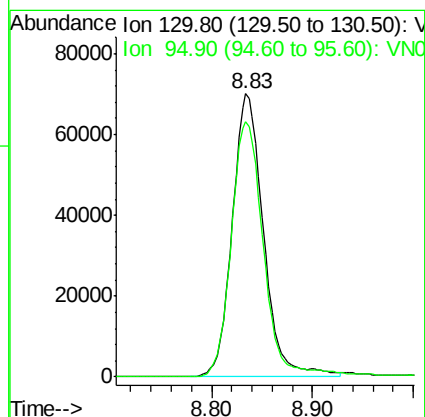
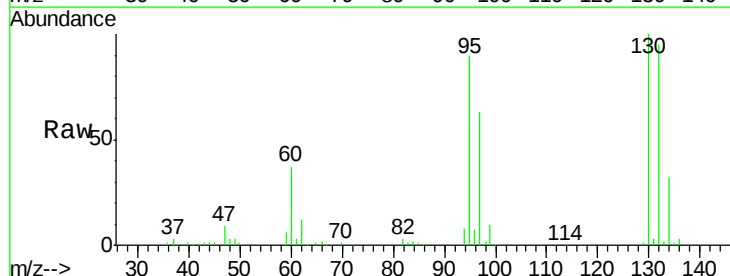
RT: 8.83 min Scan# 2196

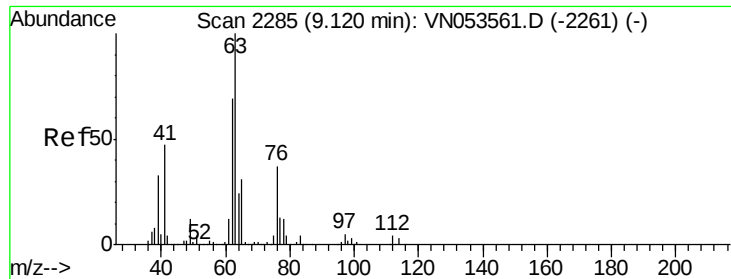
Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Tgt Ion:	130	Resp:	151036
Ion	Ratio	Lower	Upper
130	100		
95	90.1	0.0	191.4





#45

1,2-Dichloropropane

Concen: 20.591 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

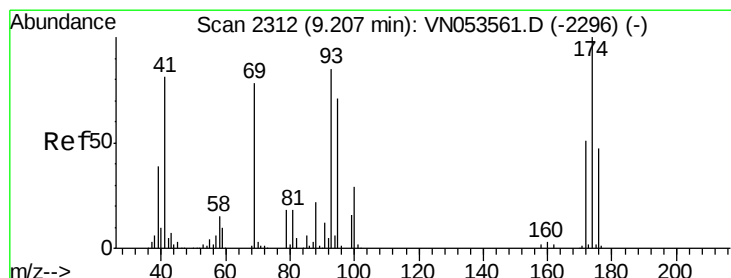
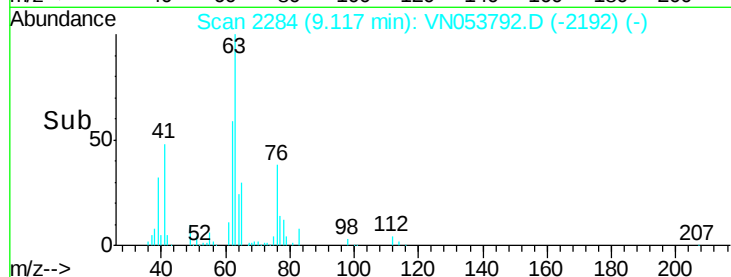
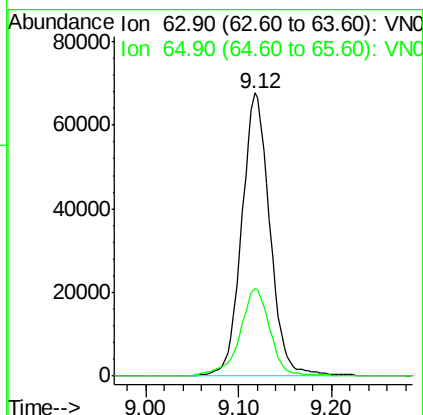
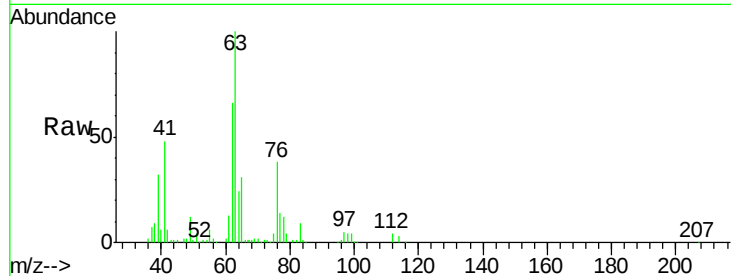
ClientSampleId :

Tot Ion: 63 Resp: 142438

Ion Ratio Lower Upper

63 100

65 30.8 25.0 37.4



#46

Dibromomethane

Concen: 20.135 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

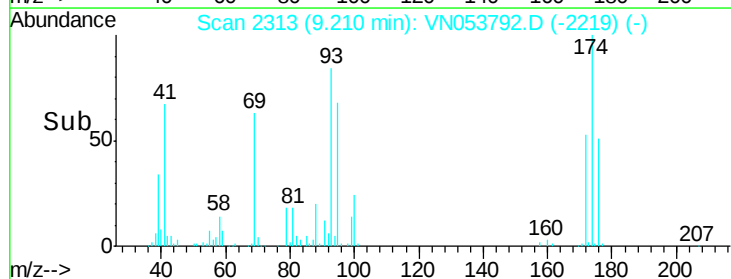
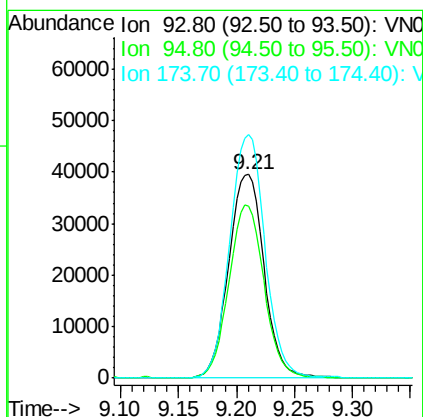
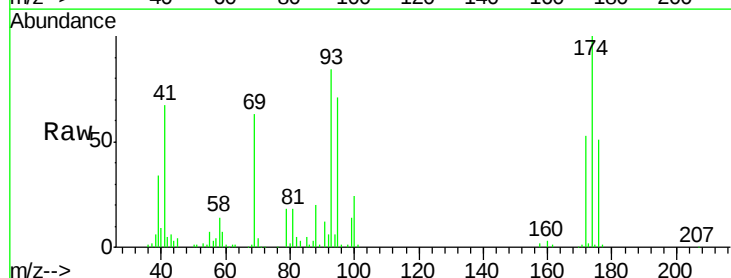
Tgt Ion: 93 Resp: 83964

Ion Ratio Lower Upper

93 100

95 84.1 67.3 100.9

174 118.6 91.0 136.4





#47

Bromodichloromethane

Concen: 20.574 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :

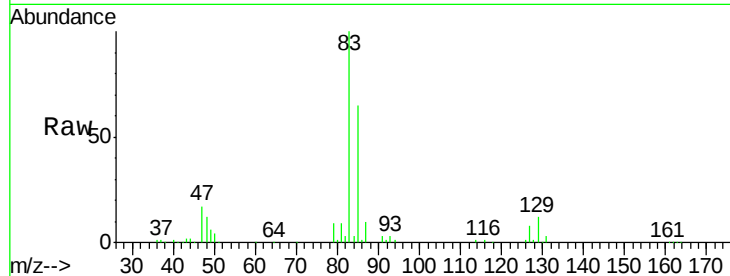
Tot Ion: 83 Resp: 178383

Ion Ratio Lower Upper

83 100

85 65.4 51.0 76.6

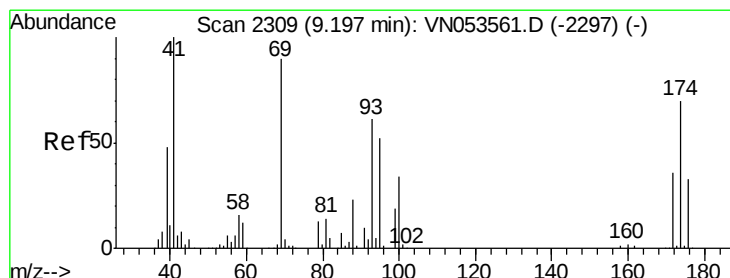
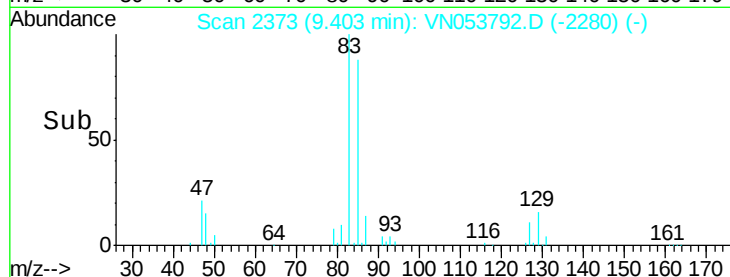
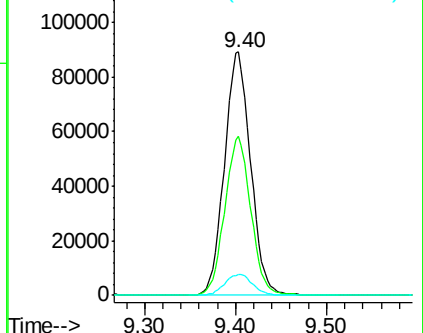
127 8.4 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053792.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053792.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053792.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.192 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

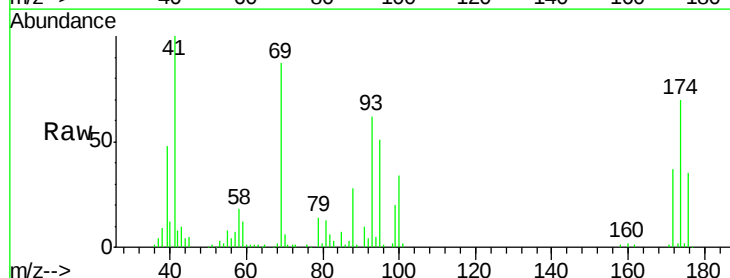
Tgt Ion: 41 Resp: 86663

Ion Ratio Lower Upper

41 100

69 96.4 73.8 110.6

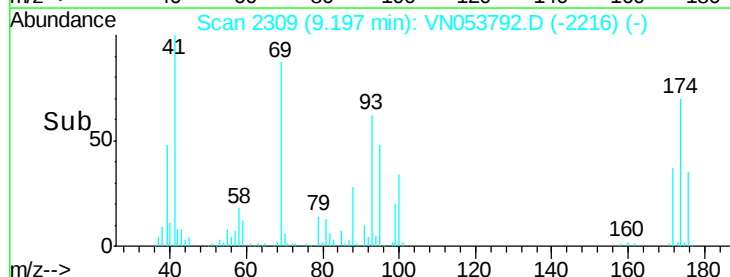
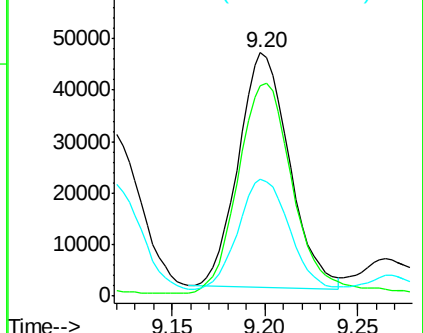
39 53.4 40.0 60.0

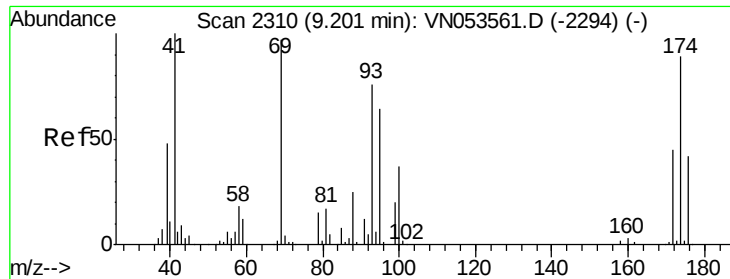


Abundance Ion 41.00 (40.70 to 41.70): VN053792.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053792.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053792.D (-2216) (-)

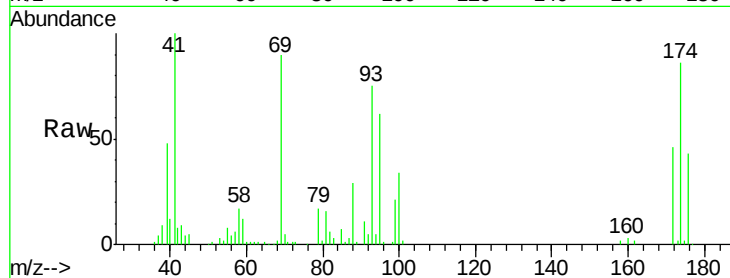




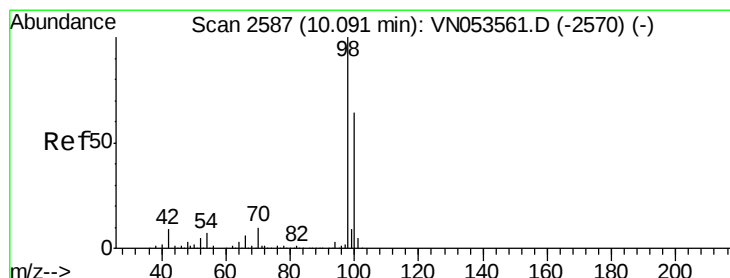
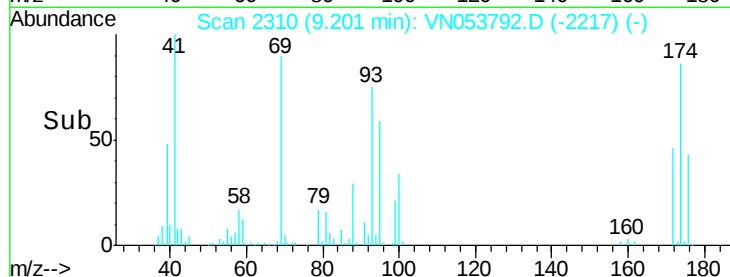
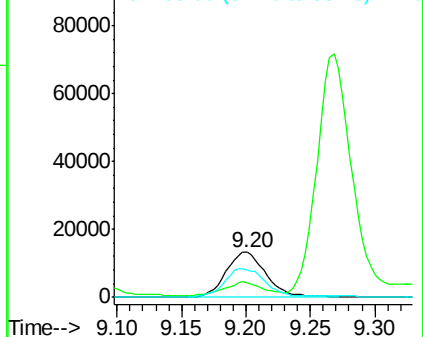
#49
1,4-Dioxane
Concen: 461.289 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 28748
Ion Ratio Lower Upper
88 100
43 27.6 27.8 41.6#
58 65.7 56.5 84.7

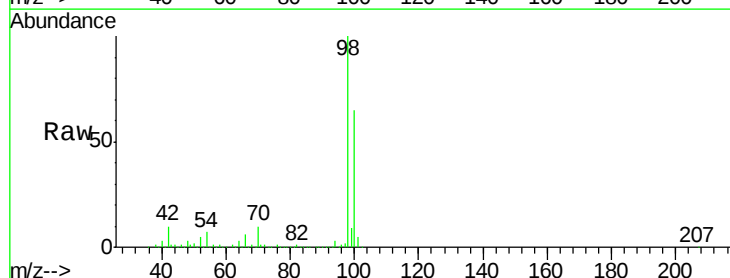


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

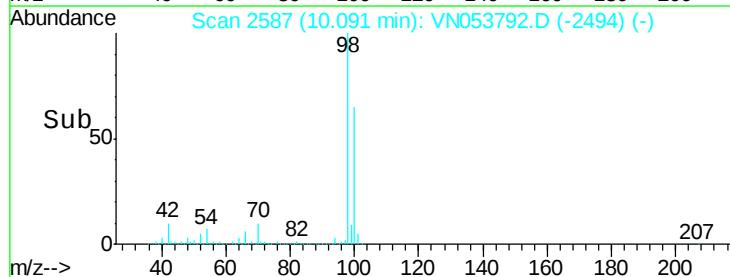
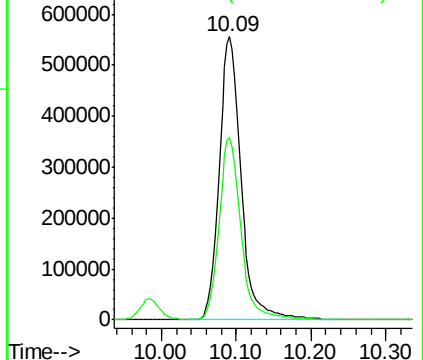


#50
Toluene-d8
Concen: 48.767 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 98 Resp: 1125725
Ion Ratio Lower Upper
98 100
100 64.6 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: 104.374 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

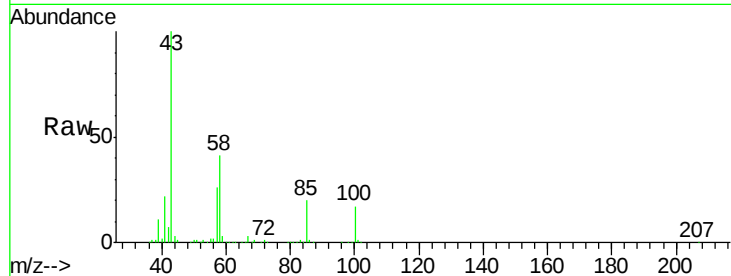
ClientSampled :

Tot Ion: 43 Resp: 485189

Ion Ratio Lower Upper

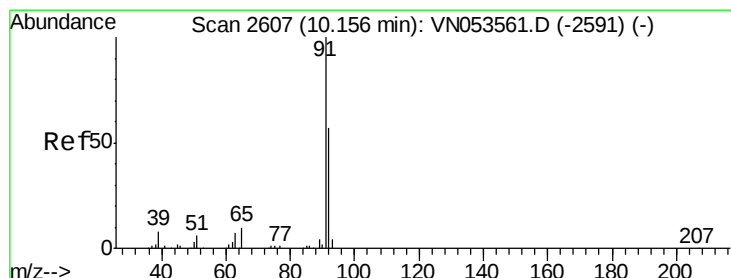
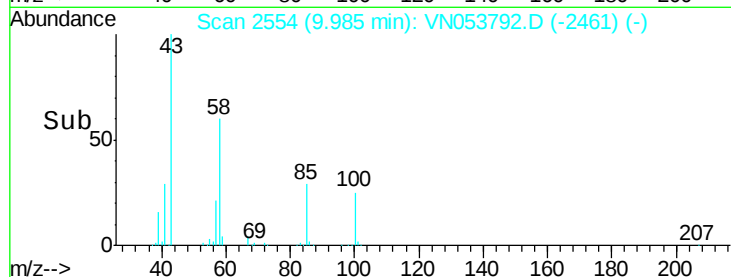
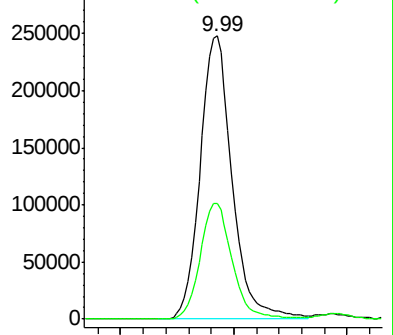
43 100

58 41.2 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.310 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053792.D

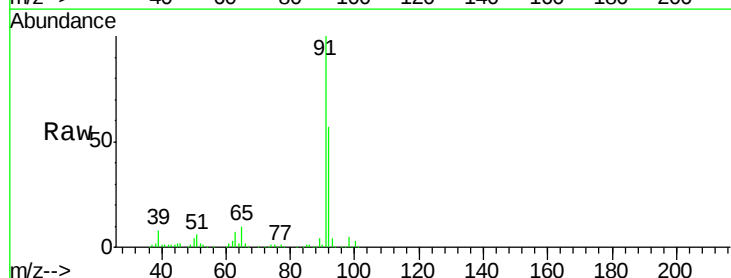
Acq: 15 Feb 2019 11:43

Tgt Ion: 92 Resp: 326011

Ion Ratio Lower Upper

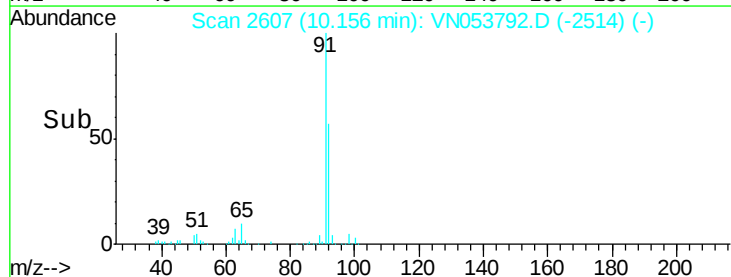
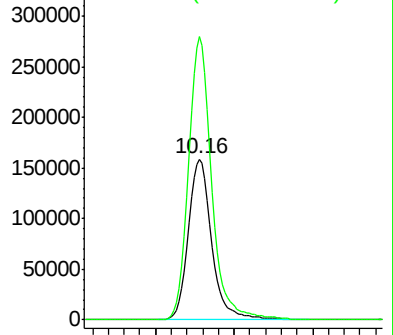
92 100

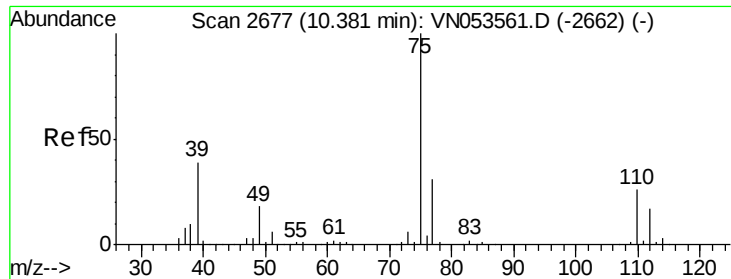
91 173.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

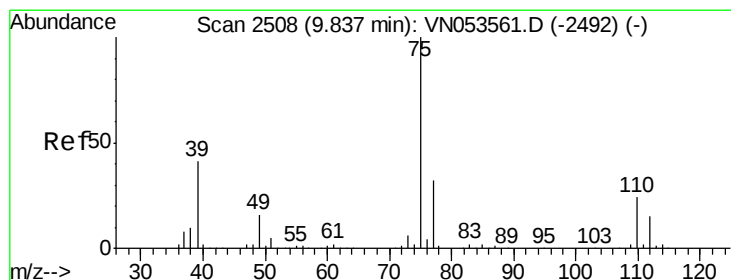
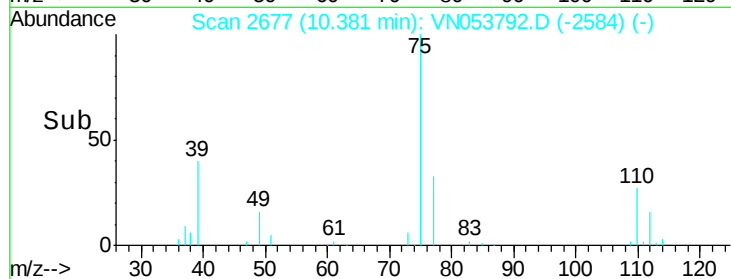
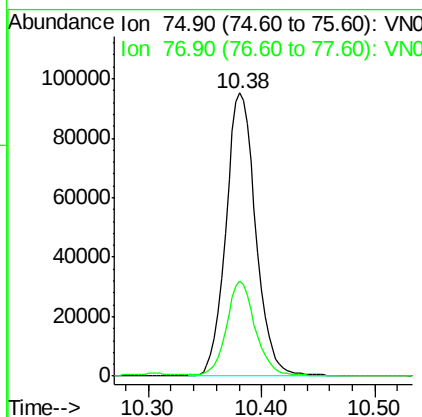
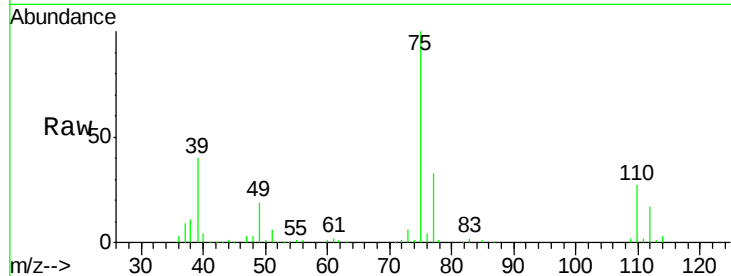




#53
t-1,3-Dichloropropene
Concen: 20.119 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

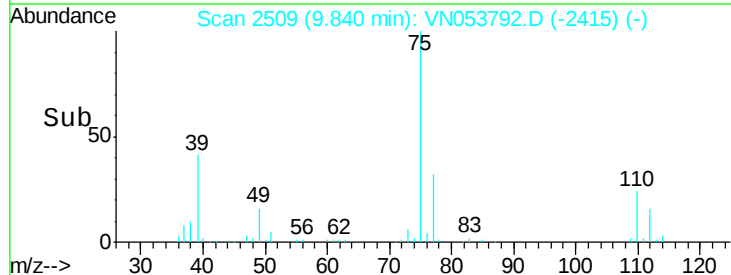
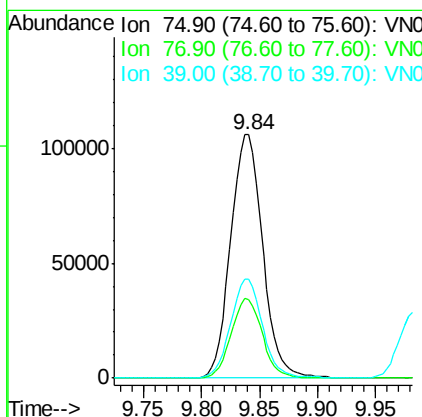
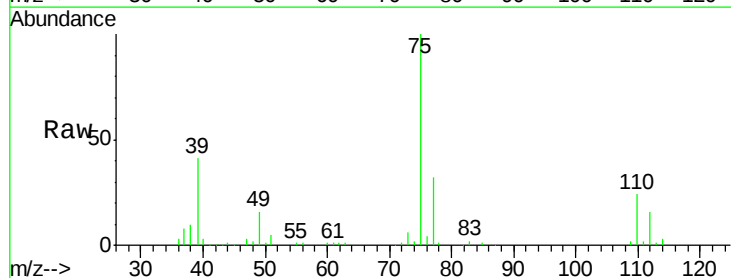
Instrument :
MSVOA_N
ClientSampled :

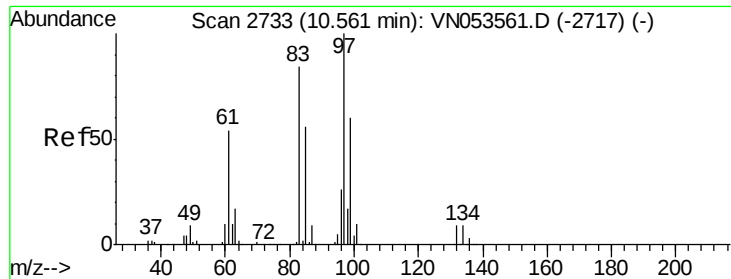
Tot Ion: 75 Resp: 174670
Ion Ratio Lower Upper
75 100
77 33.2 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 19.804 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 75 Resp: 203745
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.6
39 40.6 33.4 50.0

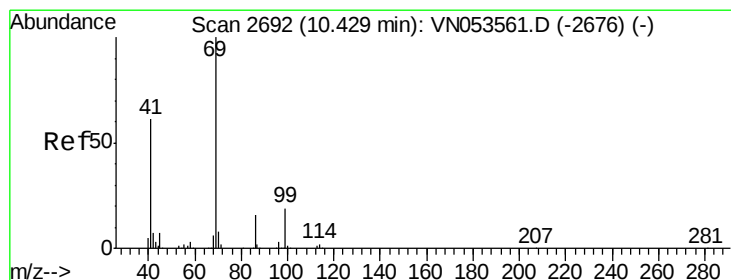
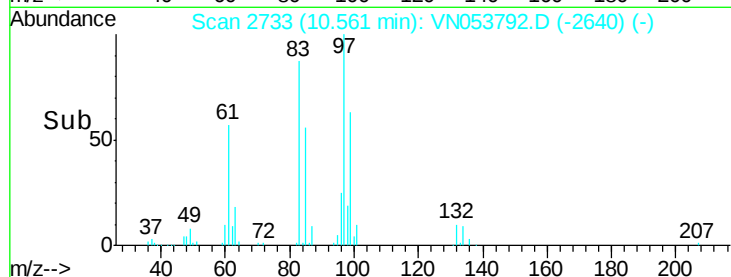
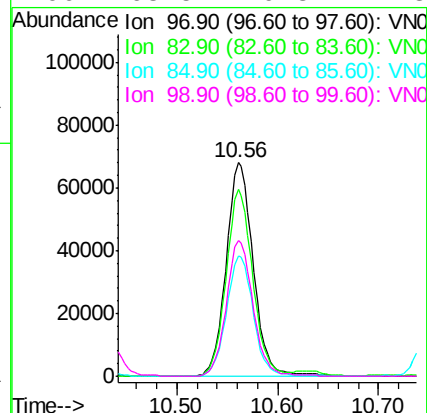
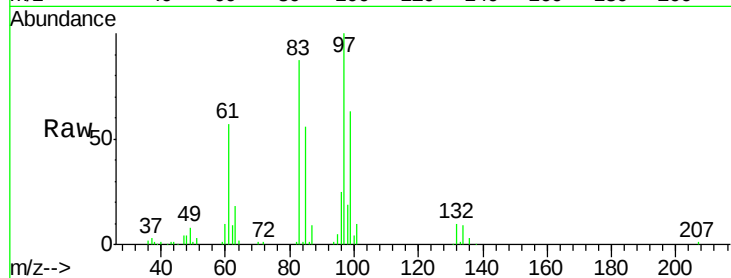




#55
 1,1,2-Trichloroethane
 Concen: 22.030 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

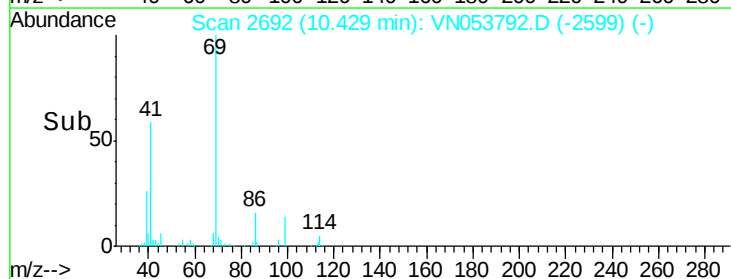
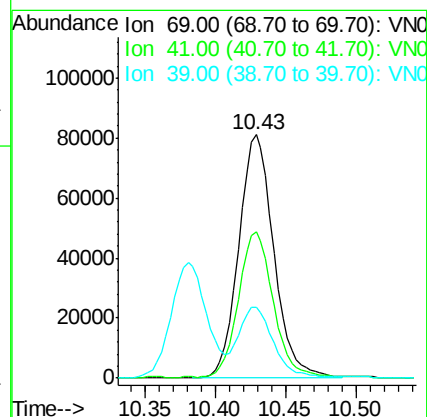
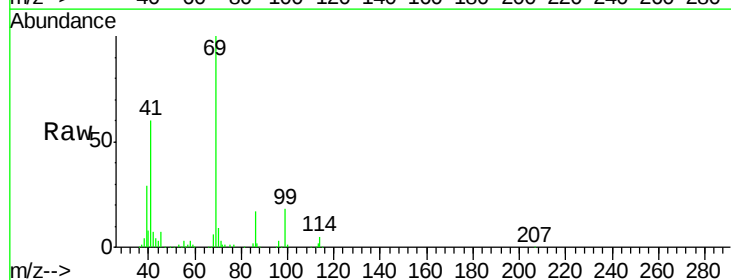
Instrument :
 MSVOA_N
 ClientSampled :

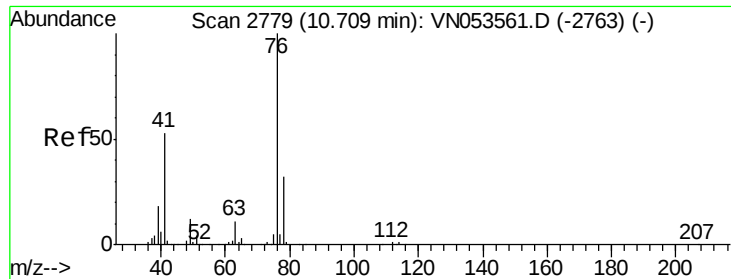
Tot Ion: 97 Resp: 127425
 Ion Ratio Lower Upper
 97 100
 83 87.5 70.1 105.1
 85 56.1 45.4 68.0
 99 63.5 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 20.666 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Tgt Ion: 69 Resp: 141407
 Ion Ratio Lower Upper
 69 100
 41 59.2 49.4 74.0
 39 28.7 23.3 34.9

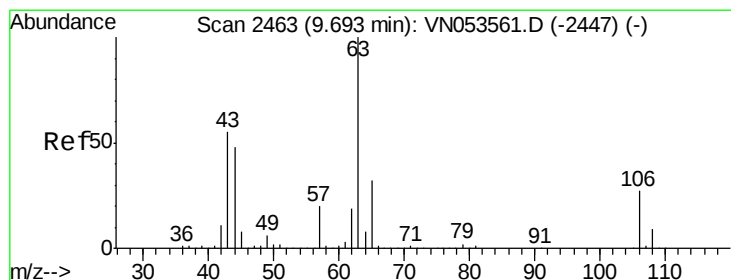
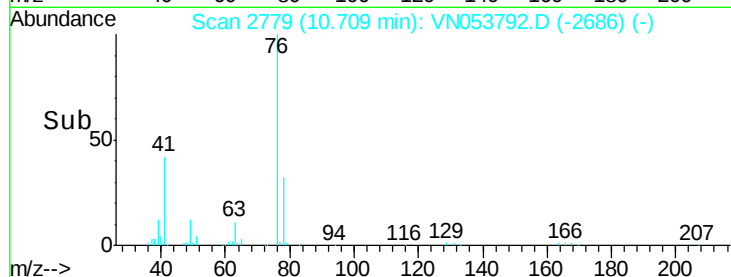
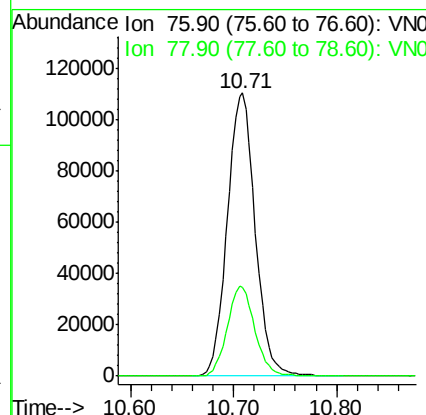
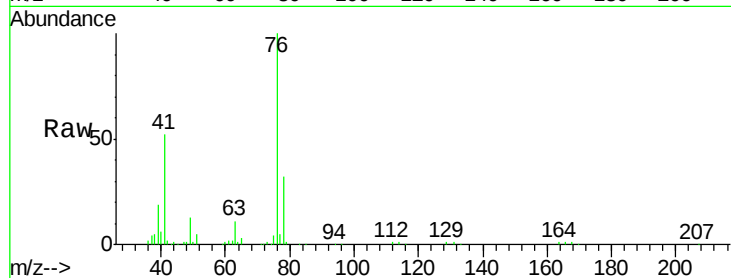




#57
 1,3-Dichloropropane
 Concen: 21.005 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

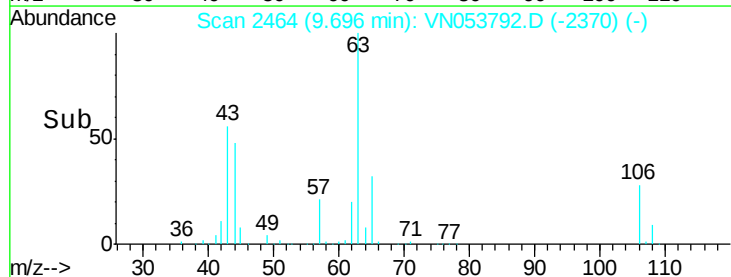
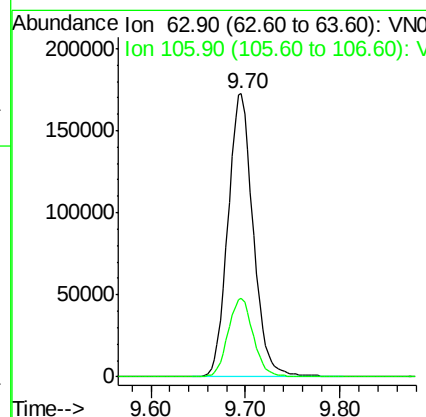
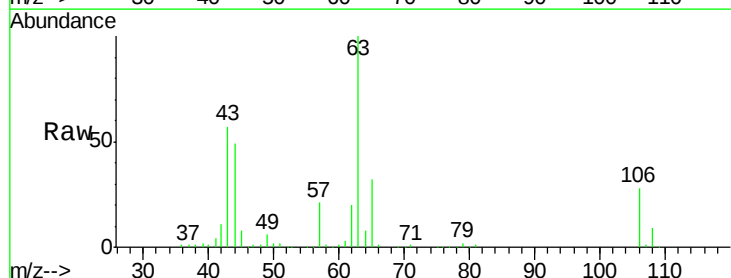
Instrument :
 MSVOA_N
 ClientSampled :

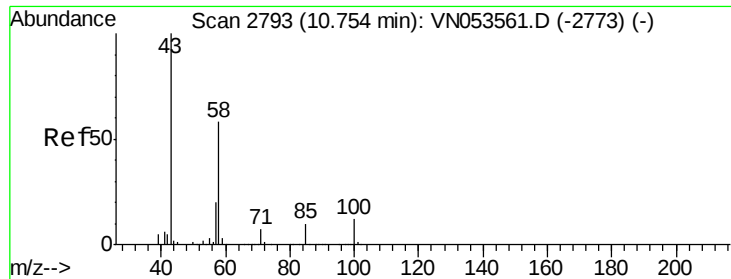
Tot Ion: 76 Resp: 207645
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.997 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Tgt Ion: 63 Resp: 319982
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.5 32.3

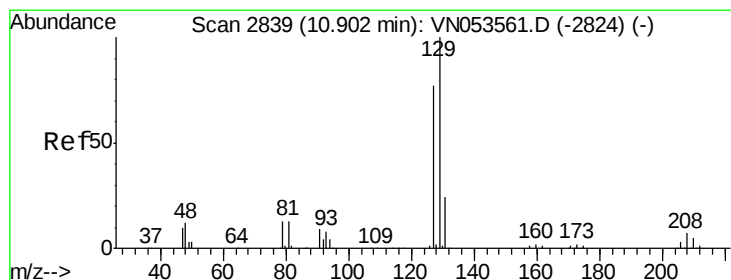
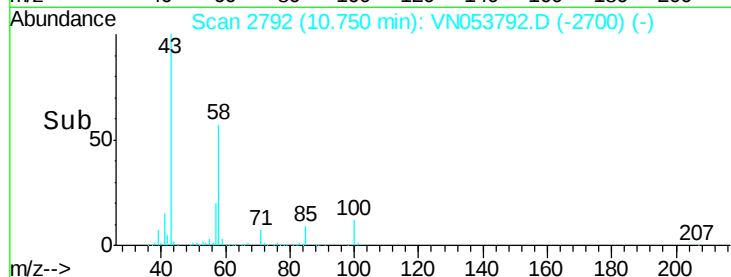
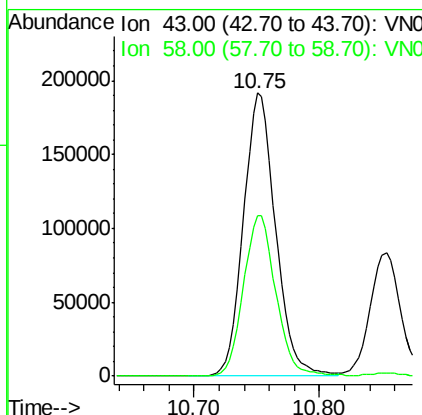
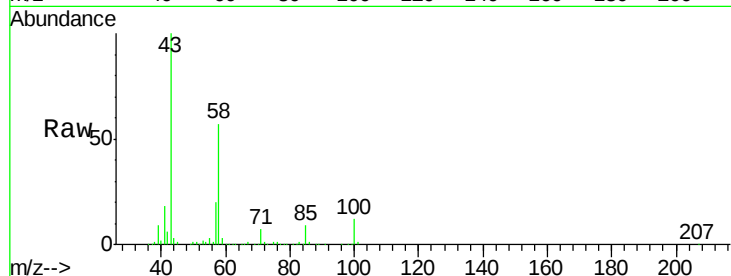




#59
2-Hexanone
Concen: 108.138 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

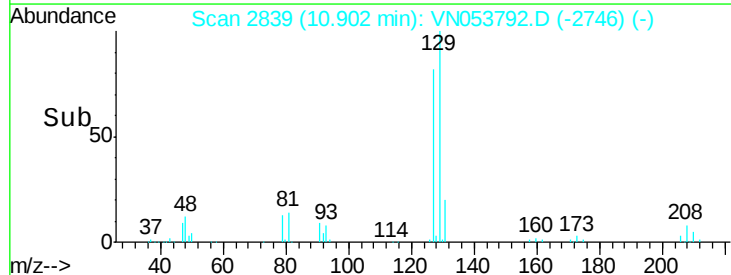
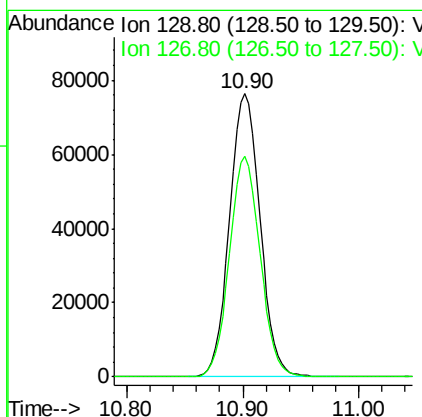
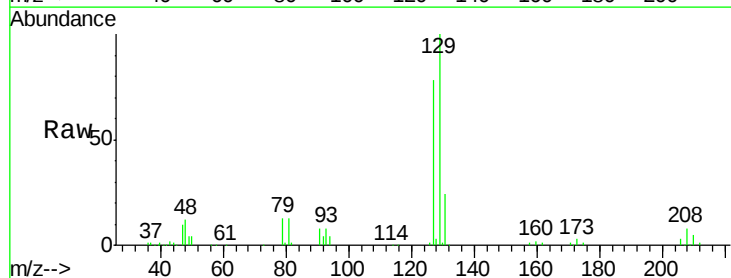
Instrument :
MSVOA_N
ClientSampled :

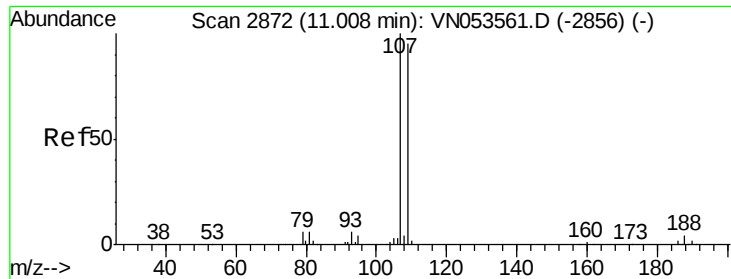
Tot Ion: 43 Resp: 341259
Ion Ratio Lower Upper
43 100
58 57.3 28.6 85.8



#60
Dibromochloromethane
Concen: 21.413 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 129 Resp: 139666
Ion Ratio Lower Upper
129 100
127 78.3 38.6 115.8

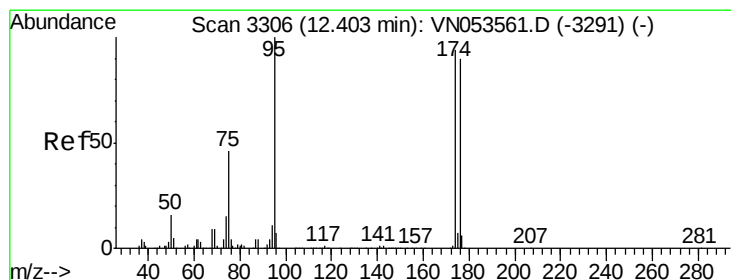
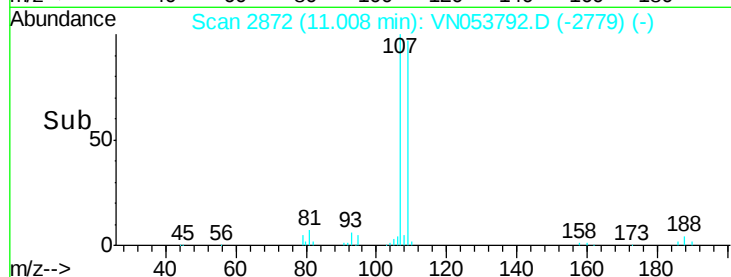
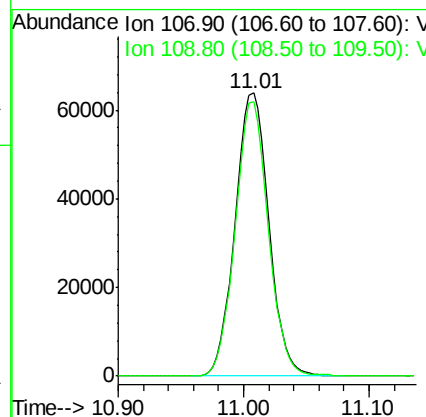
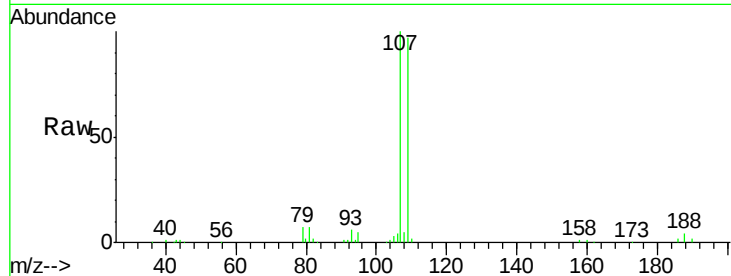




#61
 1,2-Dibromoethane
 Concen: 20.908 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

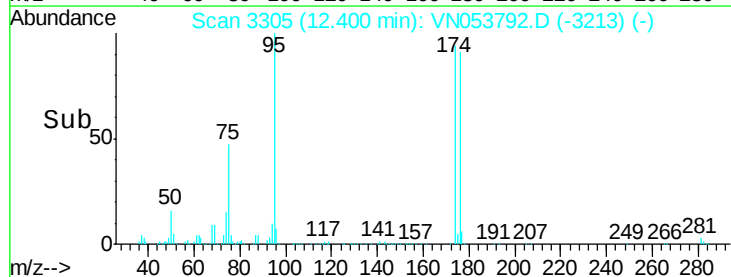
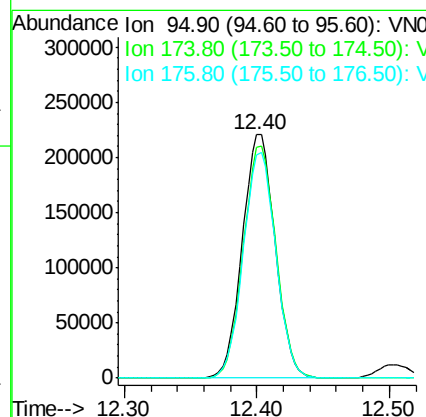
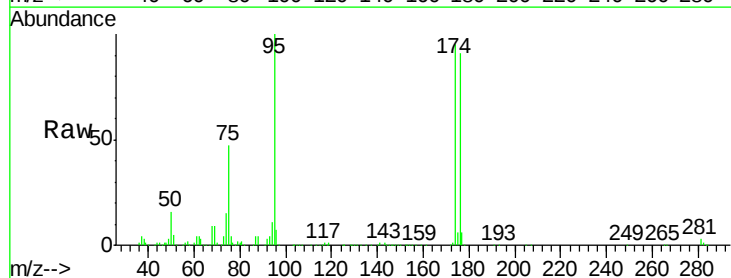
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:107 Resp: 119693
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 49.249 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Tgt Ion: 95 Resp: 379154
 Ion Ratio Lower Upper
 95 100
 174 95.1 0.0 183.2
 176 92.0 0.0 177.4

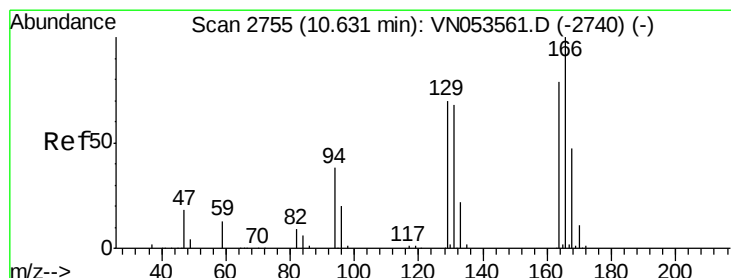
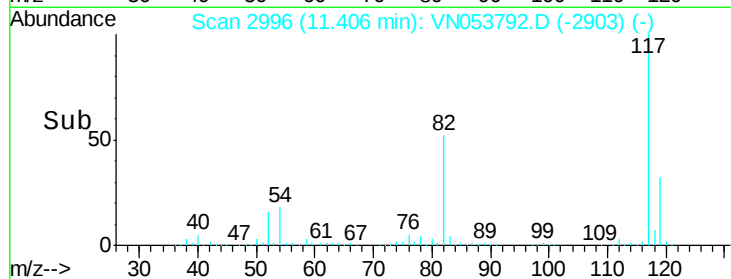
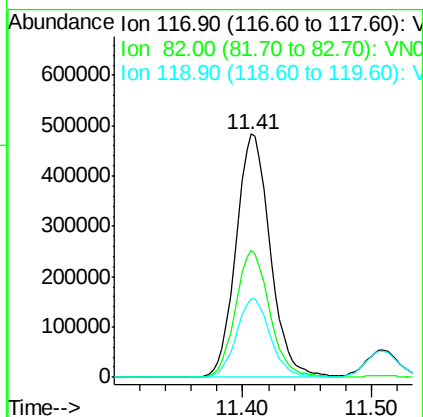
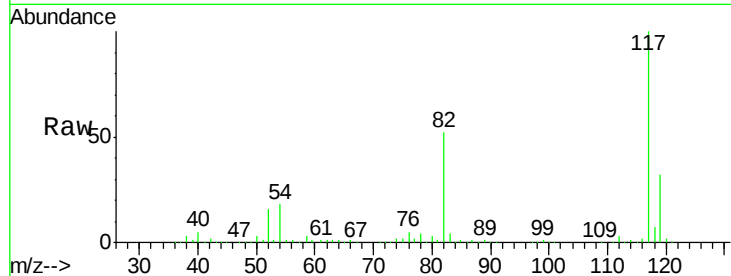




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

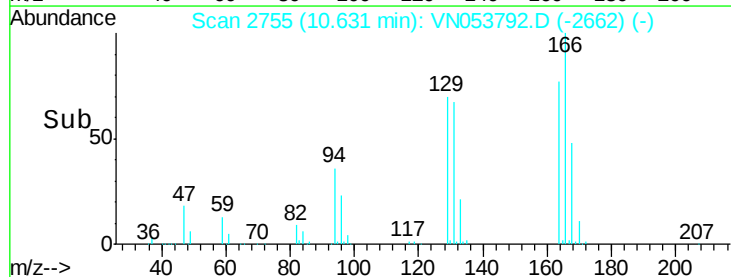
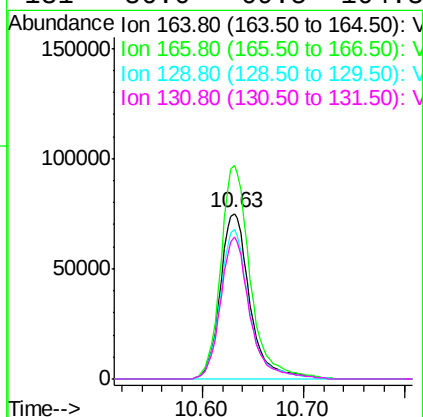
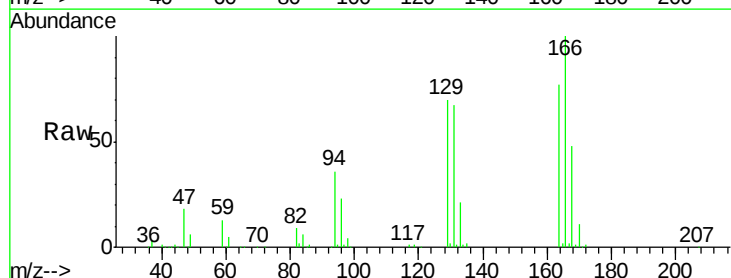
Instrument :
MSVOA_N
ClientSampled :

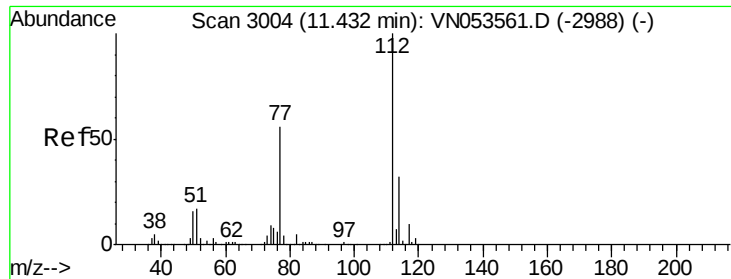
Tot Ion:117 Resp: 892460
Ion Ratio Lower Upper
117 100
82 52.1 42.9 64.3
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 20.052 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion:164 Resp: 153403
Ion Ratio Lower Upper
164 100
166 129.3 102.2 153.4
129 90.9 72.6 109.0
131 86.0 69.5 104.3

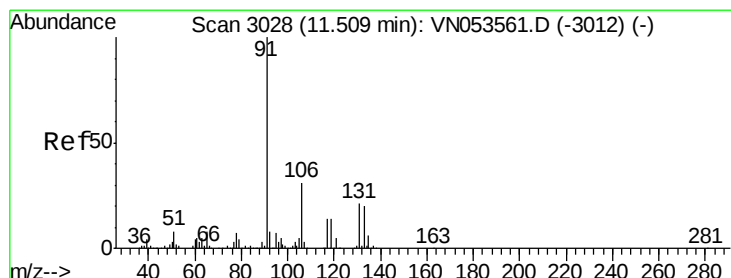
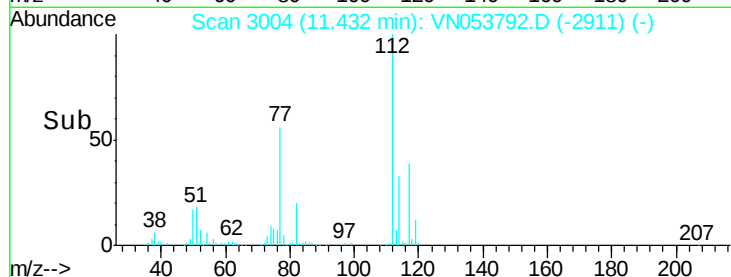
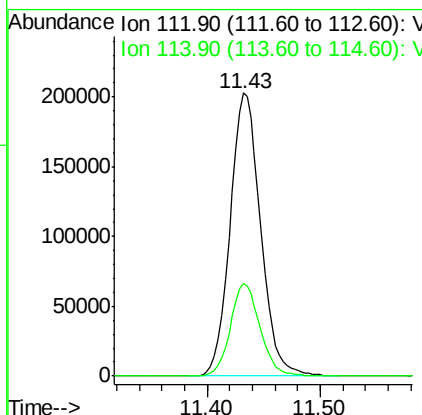
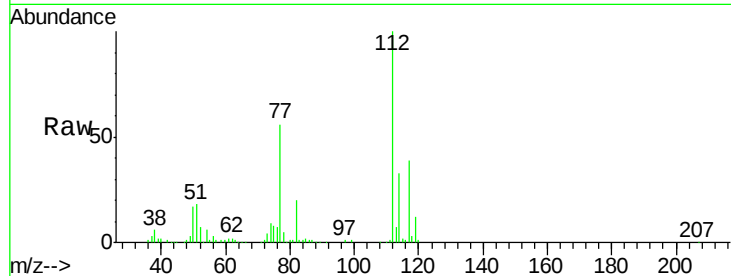




#65
Chlorobenzene
Concen: 19.994 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

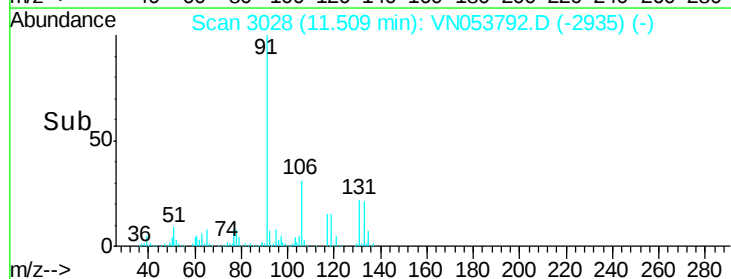
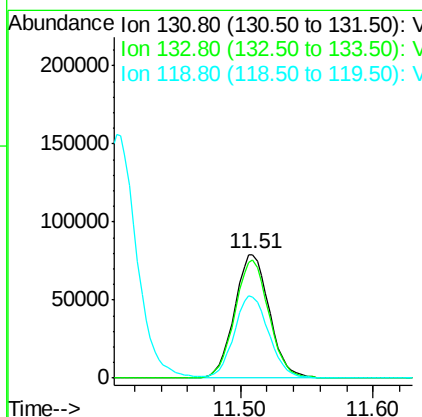
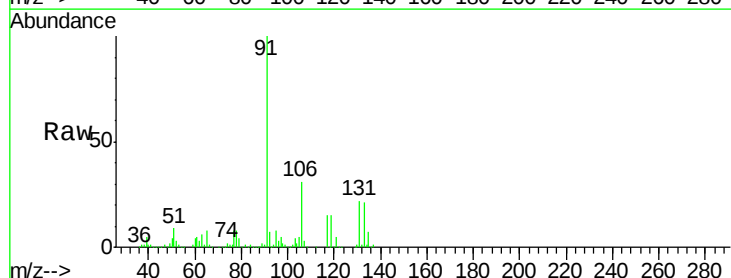
Instrument :
MSVOA_N
ClientSampleId :

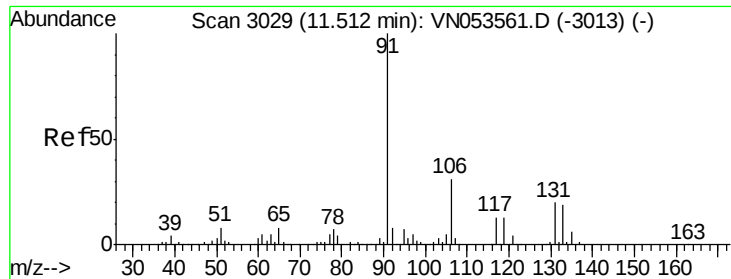
Tot Ion:112 Resp: 379026
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.753 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion:131 Resp: 144016
Ion Ratio Lower Upper
131 100
133 93.8 48.0 144.0
119 66.7 33.5 100.5

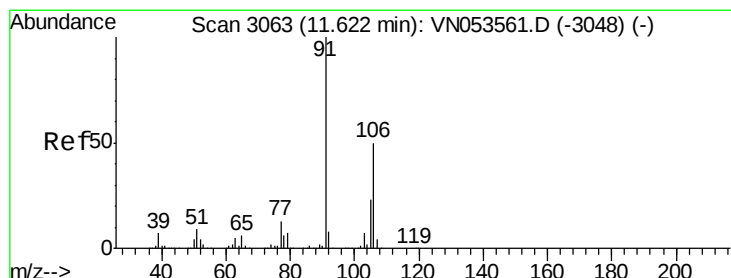
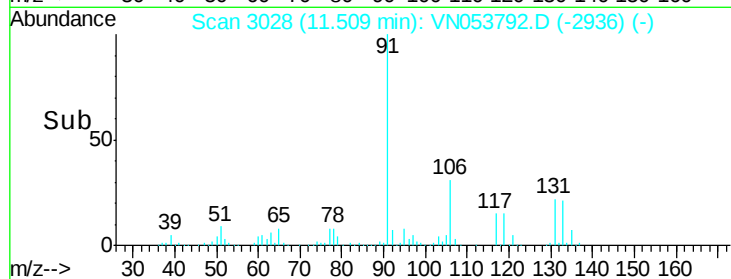
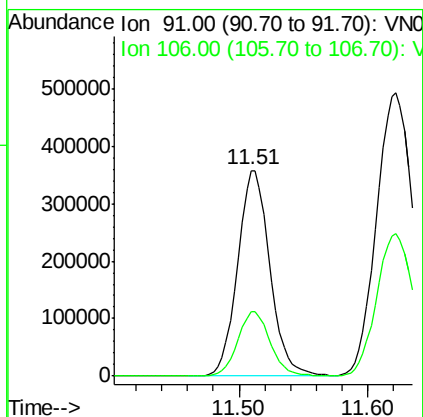
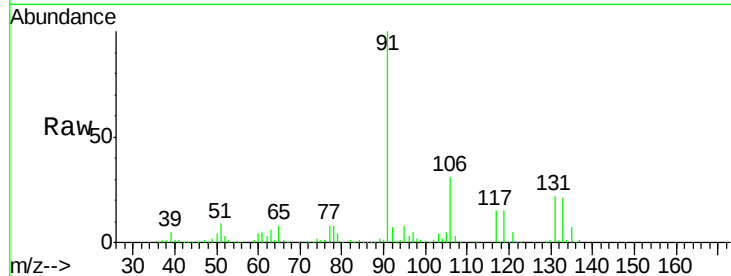




#67
Ethyl Benzene
Concen: 20.044 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

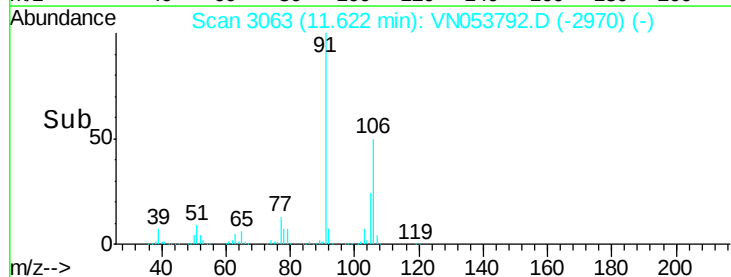
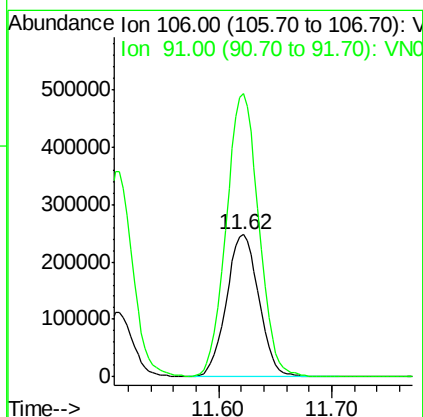
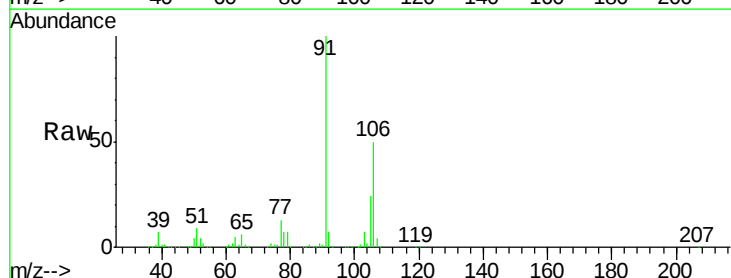
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 624160
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6



#68
m/p-Xylenes
Concen: 41.642 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 106 Resp: 494919
Ion Ratio Lower Upper
106 100
91 198.8 161.4 242.2

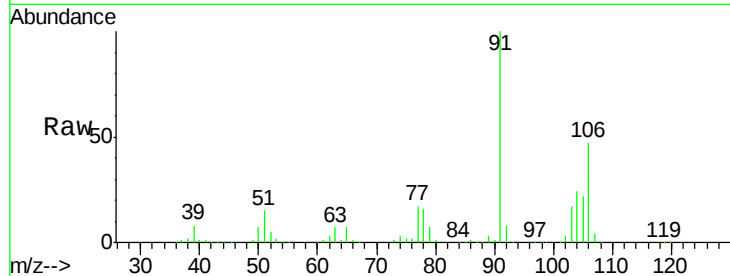




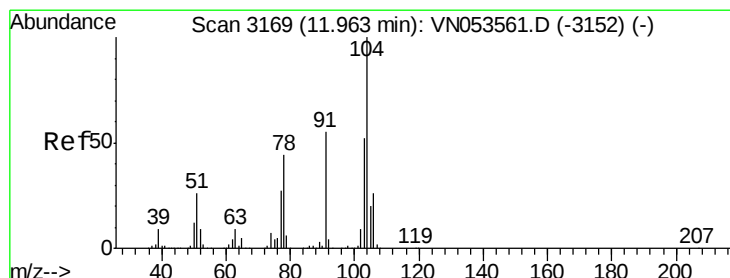
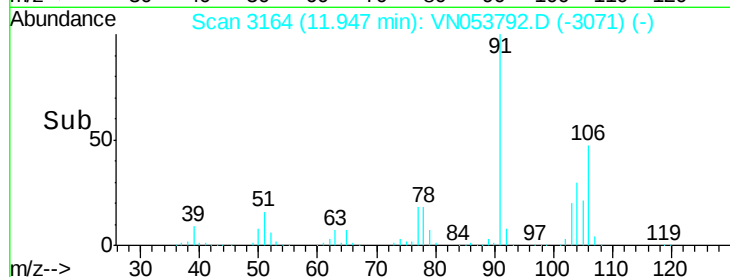
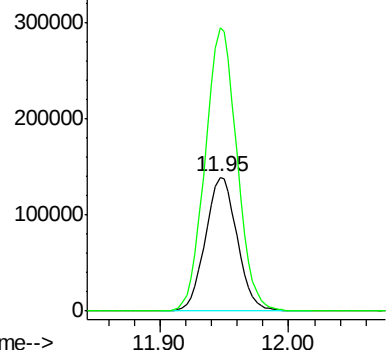
#69
o-Xylene
Concen: 20.770 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 238483
Ion Ratio Lower Upper
106 100
91 212.4 106.9 320.8

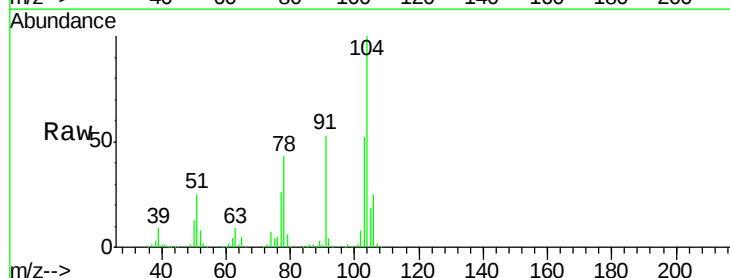


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

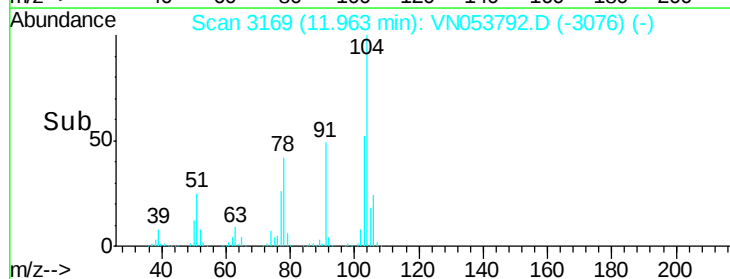
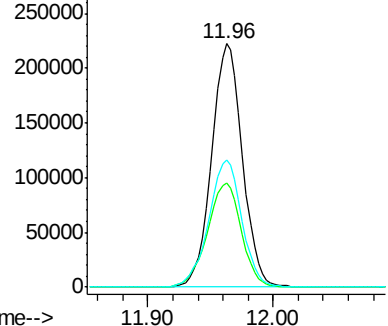


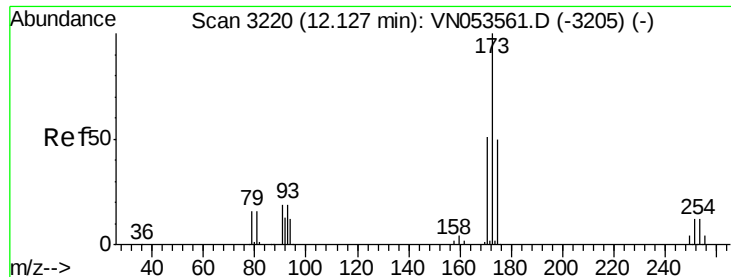
#70
Styrene
Concen: 20.340 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion:104 Resp: 378528
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 56.2 44.4 66.6



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

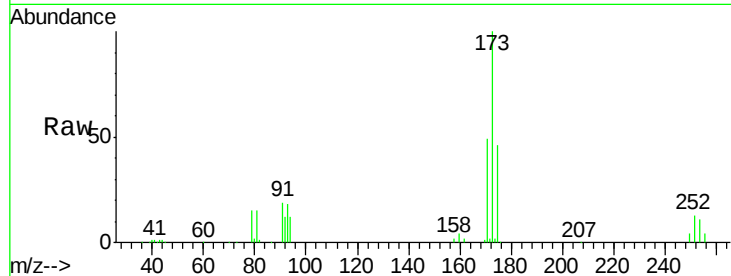




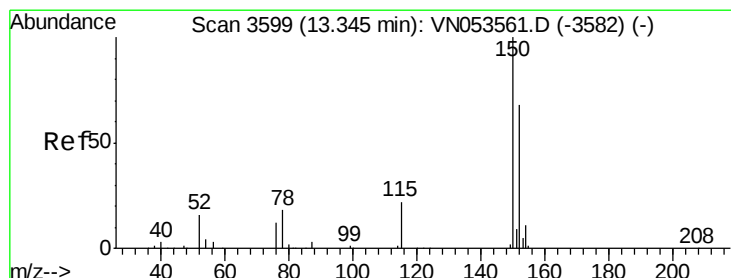
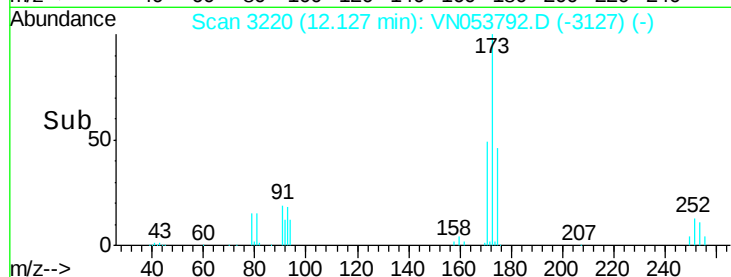
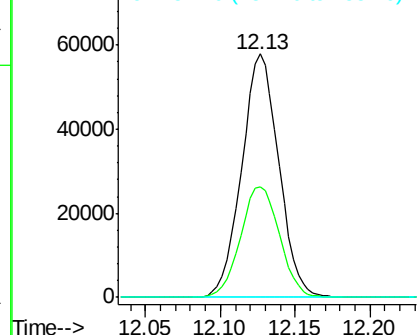
#71
Bromoform
Concen: 22.024 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 99964
Ion Ratio Lower Upper
173 100
175 47.6 24.6 74.0
254 0.1 0.2 0.2#

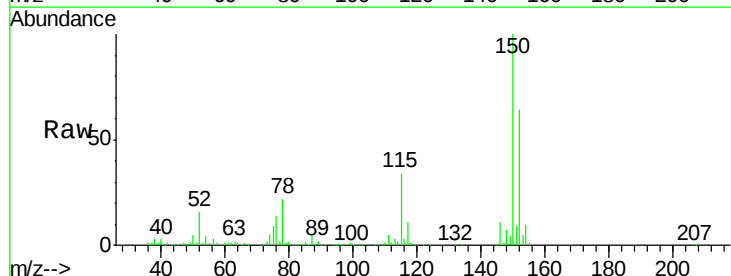


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

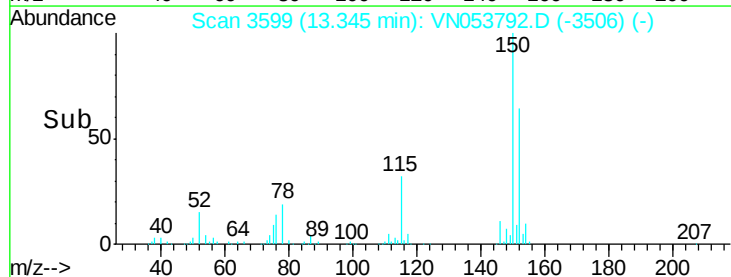
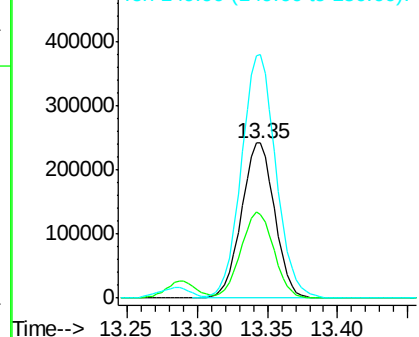


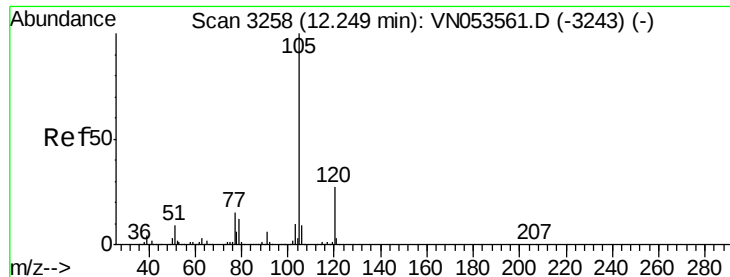
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion:152 Resp: 398202
Ion Ratio Lower Upper
152 100
115 55.5 27.8 83.4
150 163.5 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.626 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

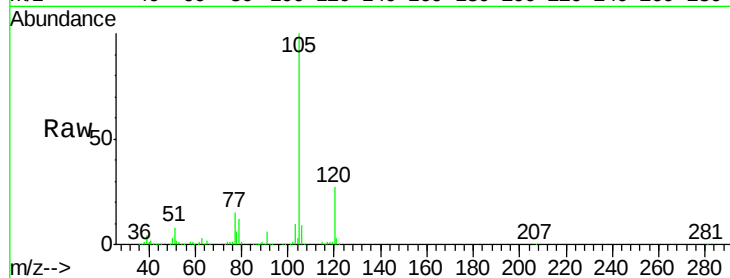
ClientSampled :

Tot Ion: 105 Resp: 633374

Ion Ratio Lower Upper

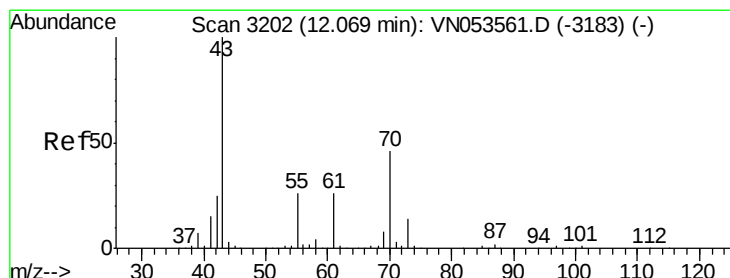
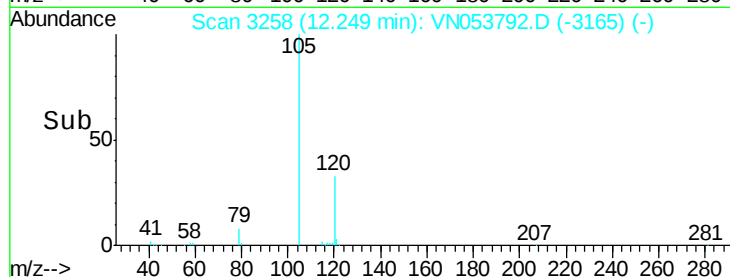
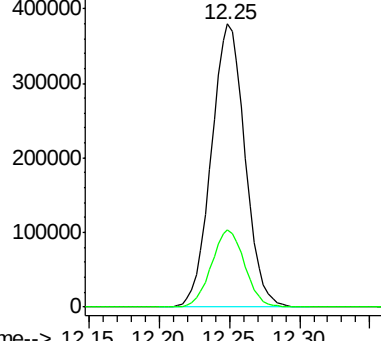
105 100

120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.552 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Tgt Ion: 43 Resp: 145074

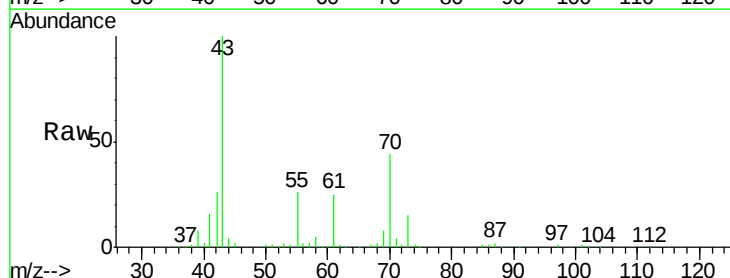
Ion Ratio Lower Upper

43 100

70 45.3 35.4 53.2

55 27.1 20.9 31.3

61 25.7 20.5 30.7

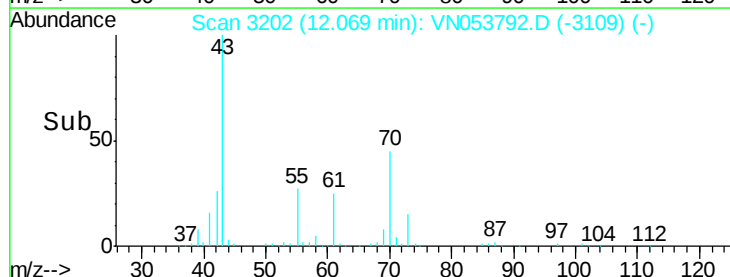
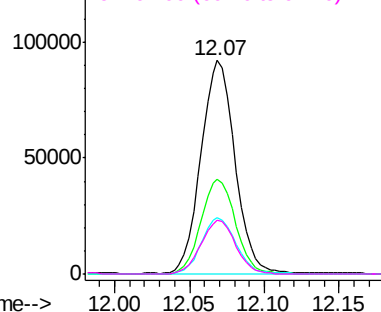


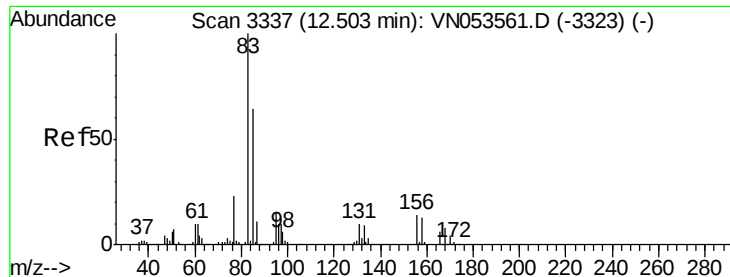
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.770 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

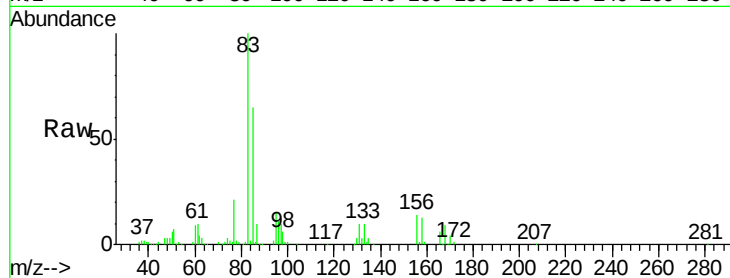
Tot Ion: 83 Resp: 145848

Ion Ratio Lower Upper

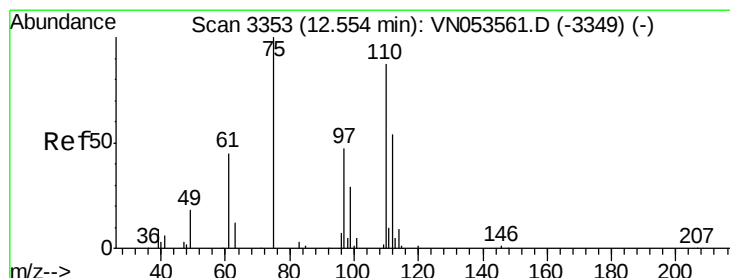
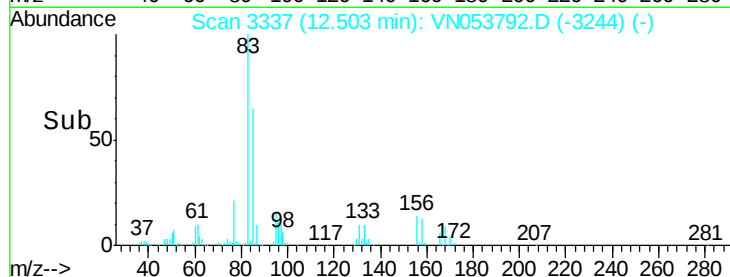
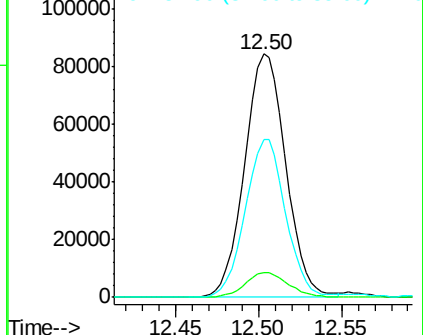
83 100

131 10.6 5.3 15.8

85 63.2 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 32.879 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053792.D

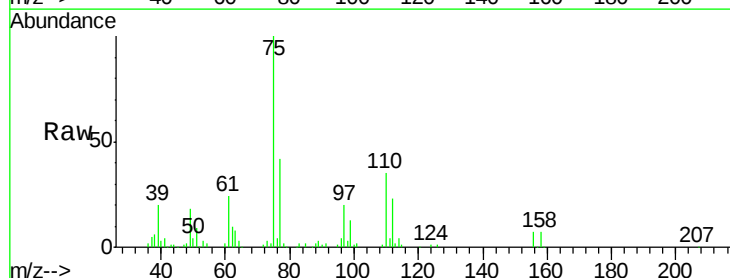
Acq: 15 Feb 2019 11:43

Tgt Ion: 75 Resp: 168165

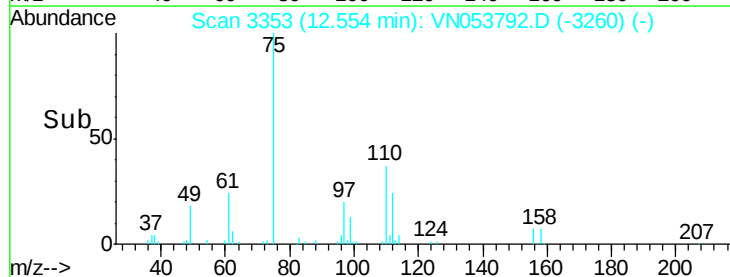
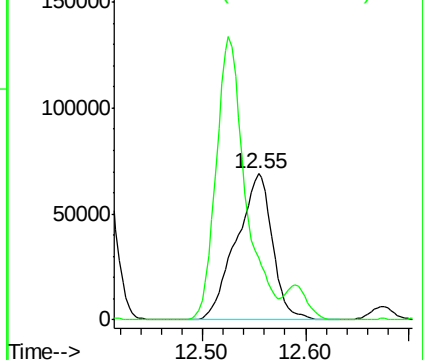
Ion Ratio Lower Upper

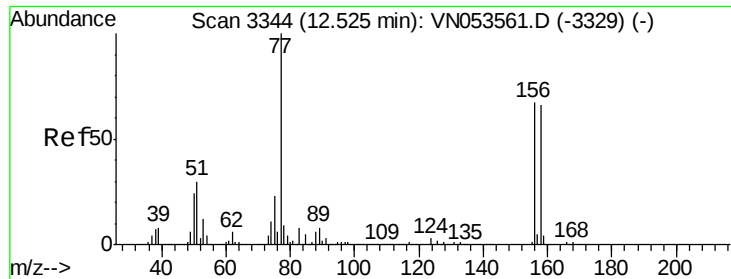
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.312 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampled :

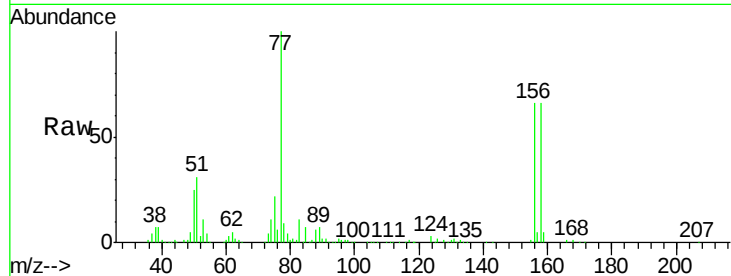
Tot Ion:156 Resp: 153244

Ion Ratio Lower Upper

156 100

77 171.9 87.9 263.8

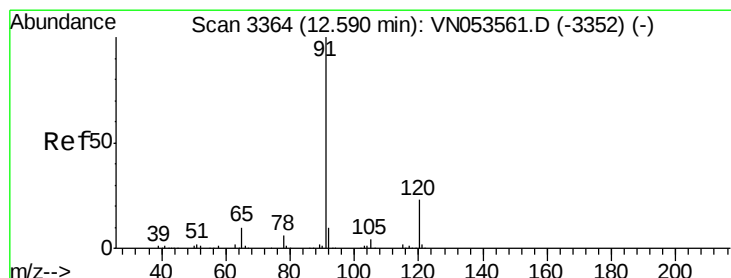
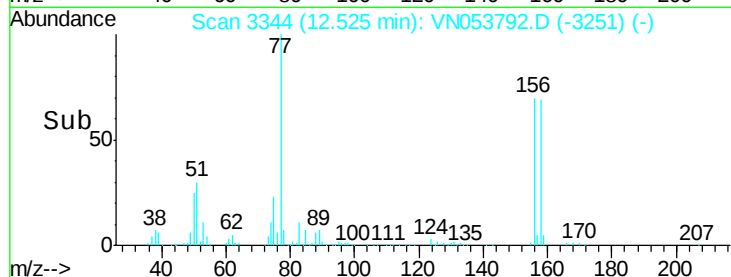
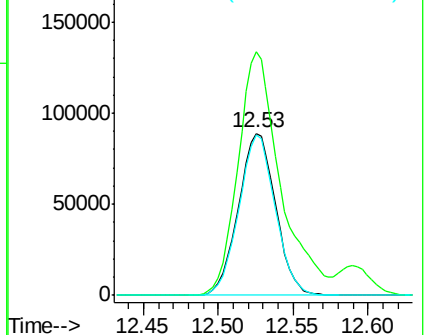
158 97.2 48.8 146.4



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: 21.125 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053792.D

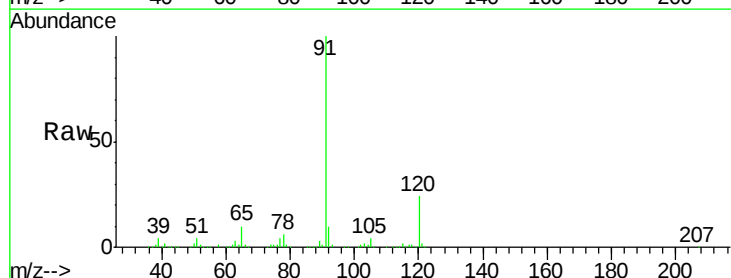
Acq: 15 Feb 2019 11:43

Tgt Ion: 91 Resp: 683610

Ion Ratio Lower Upper

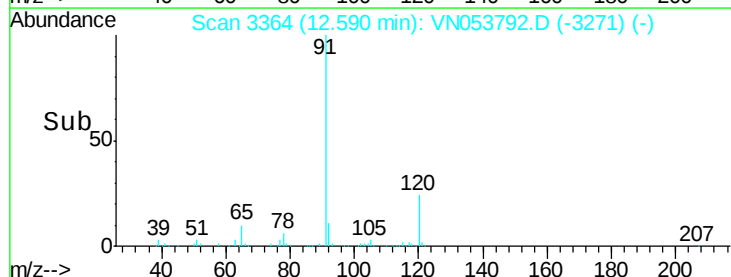
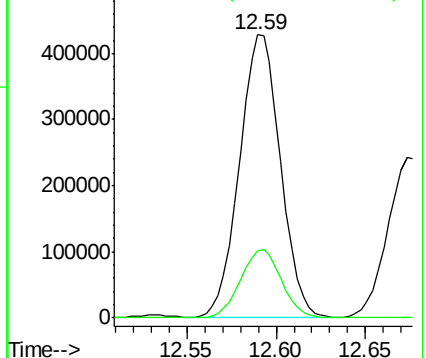
91 100

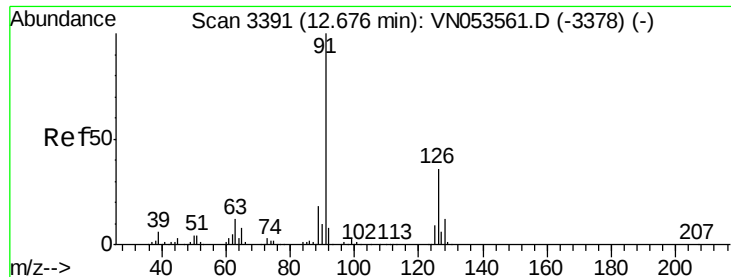
120 24.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.898 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

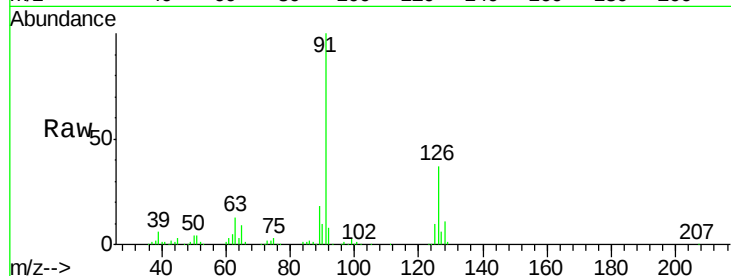
ClientSampled :

Tot Ion: 91 Resp: 401216

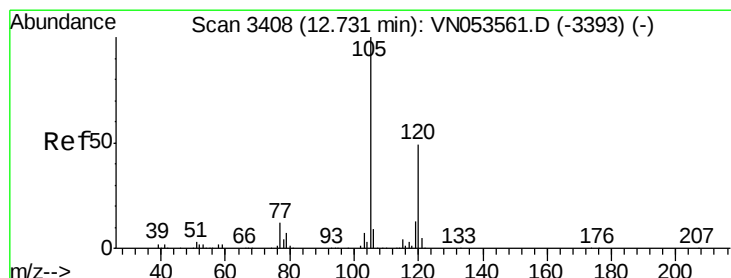
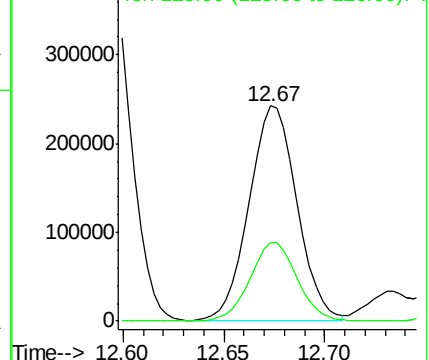
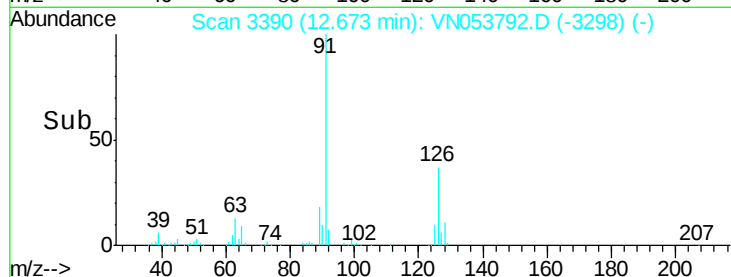
Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053792.D (-3298) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.978 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053792.D

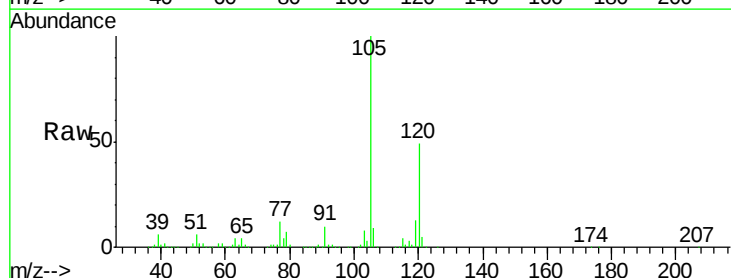
Acq: 15 Feb 2019 11:43

Tgt Ion: 105 Resp: 510176

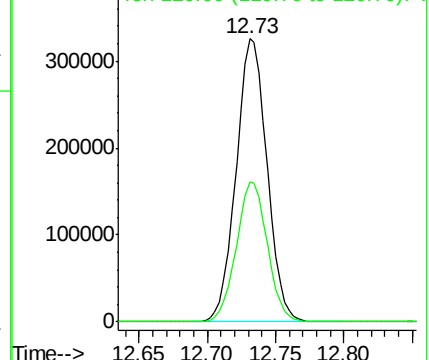
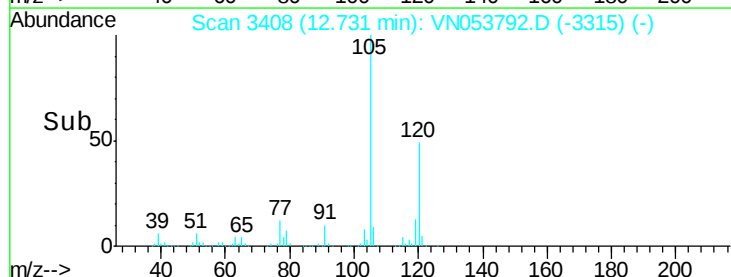
Ion Ratio Lower Upper

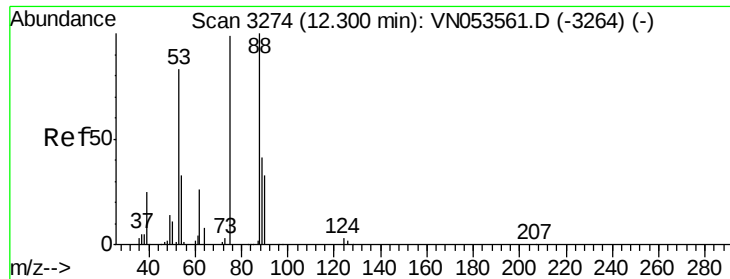
105 100

120 49.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053792.D (-3315) (-)

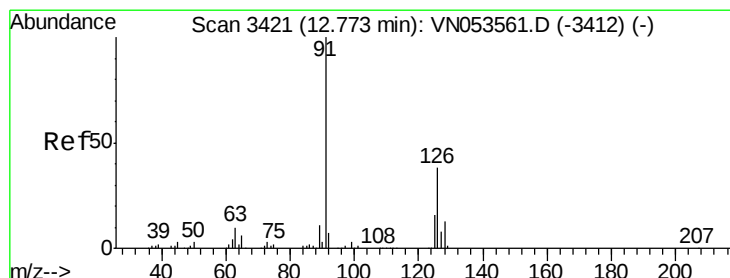
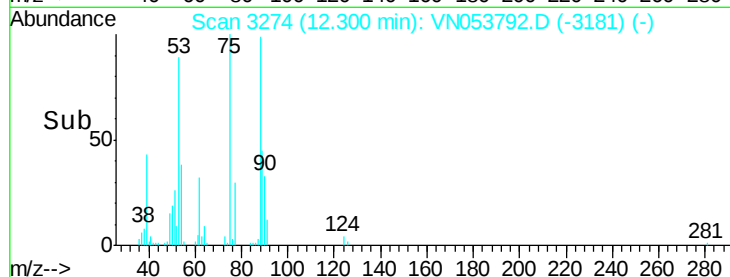
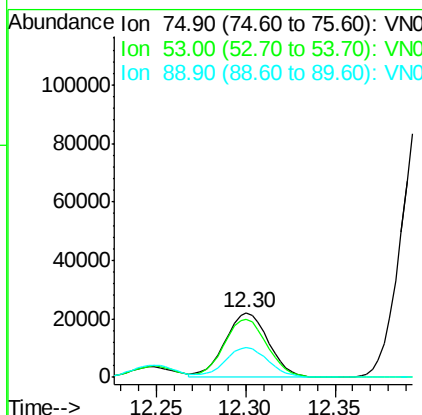
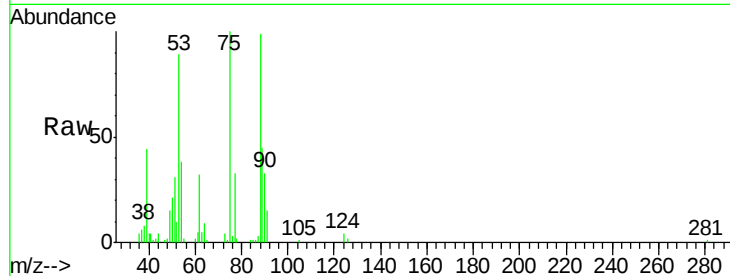




#81
trans-1,4-Dichloro-2-butene
Concen: 20.622 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

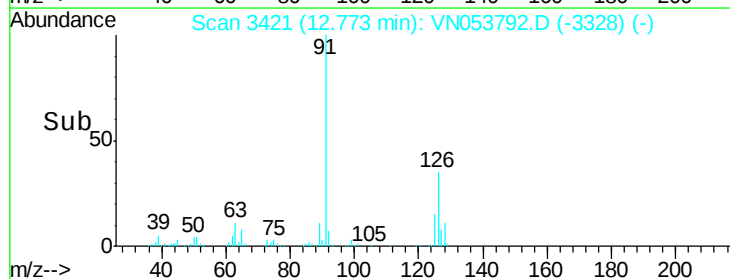
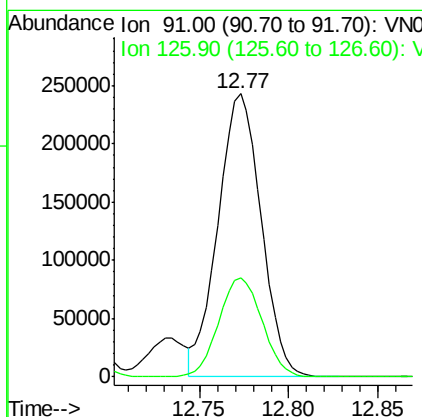
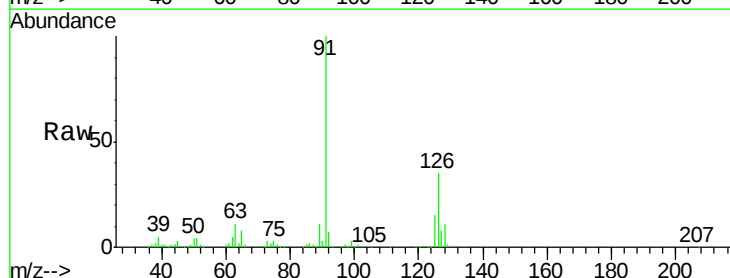
Instrument :
MSVOA_N
ClientSampled :

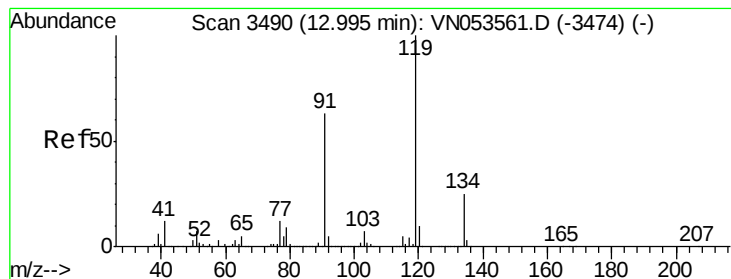
Tot Ion: 75 Resp: 37509
Ion Ratio Lower Upper
75 100
53 90.0 69.8 104.6
89 45.5 35.6 53.4



#82
4-Chlorotoluene
Concen: 20.615 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 91 Resp: 406126
Ion Ratio Lower Upper
91 100
126 35.3 17.6 52.9





#83

tert-Butylbenzene

Concen: 21.725 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampled :

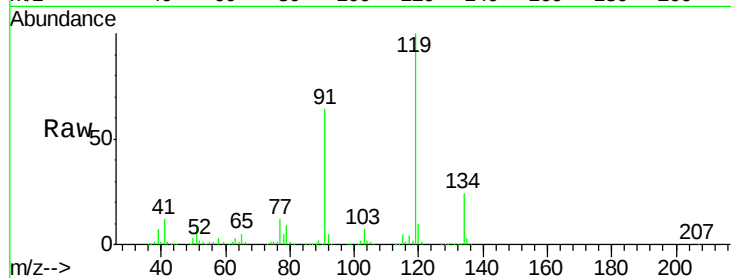
Tot Ion:119 Resp: 445717

Ion Ratio Lower Upper

119 100

91 62.6 31.3 93.8

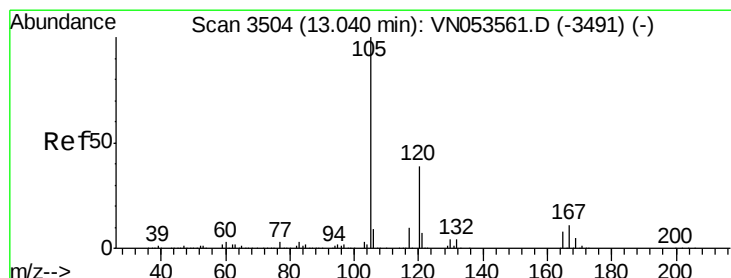
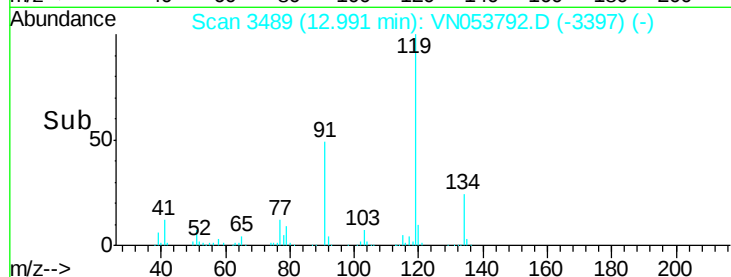
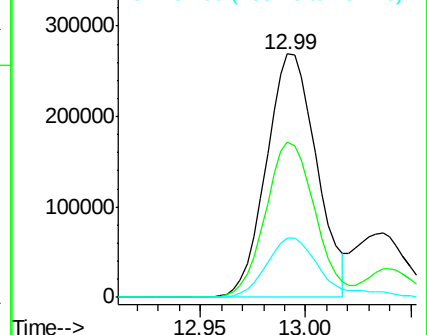
134 26.8 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.750 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053792.D

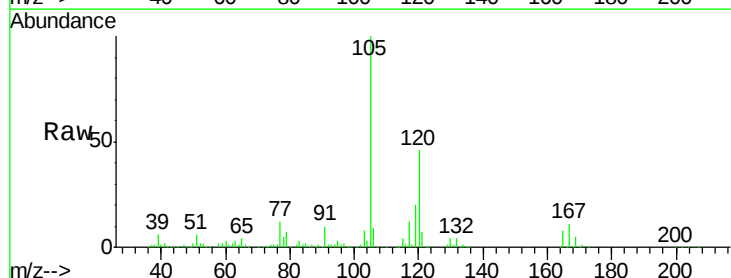
Acq: 15 Feb 2019 11:43

Tgt Ion:105 Resp: 514379

Ion Ratio Lower Upper

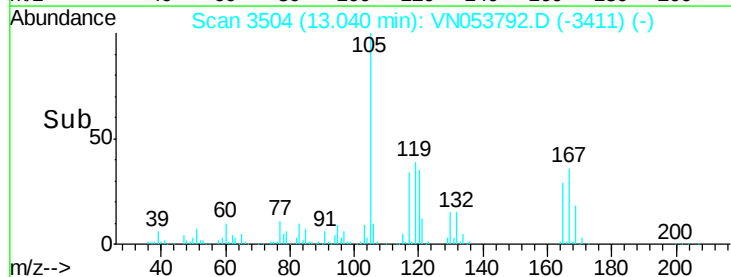
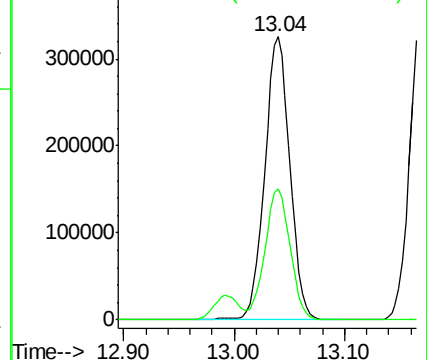
105 100

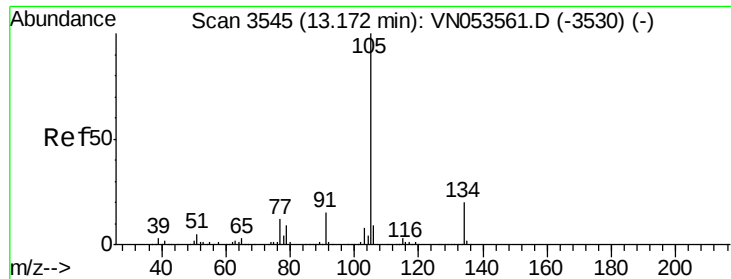
120 46.5 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.325 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

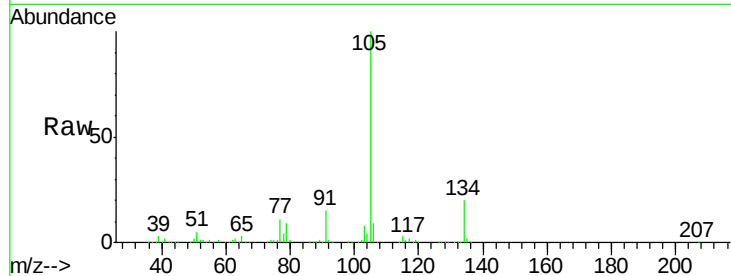
ClientSampled :

Tot Ion:105 Resp: 623297

Ion Ratio Lower Upper

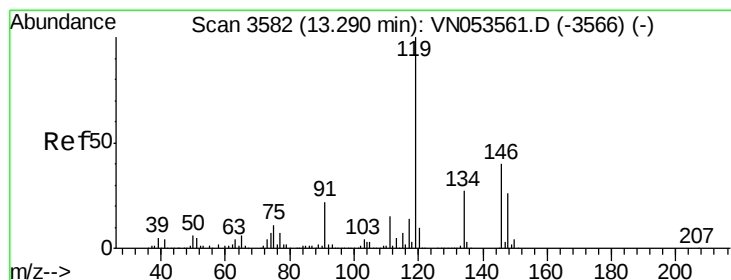
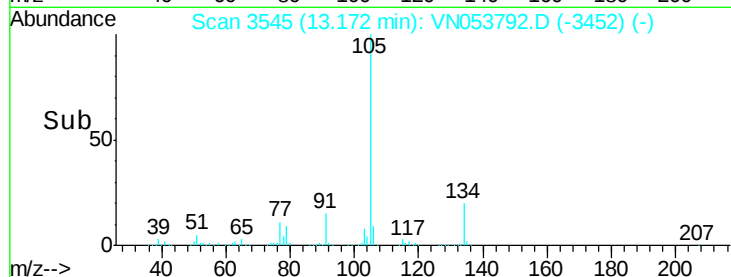
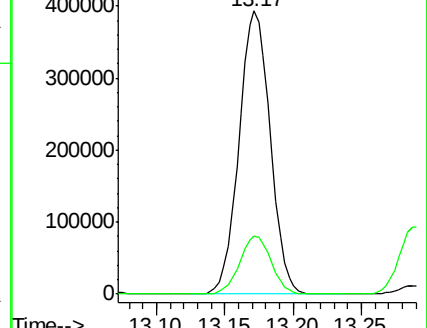
105 100

134 20.7 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.053 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

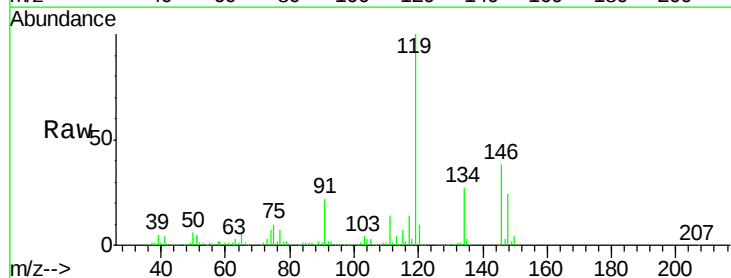
Tgt Ion:119 Resp: 538485

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

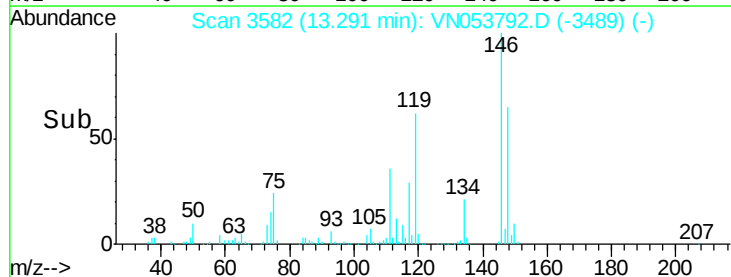
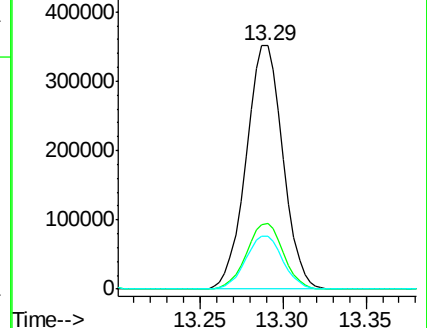
91 22.0 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

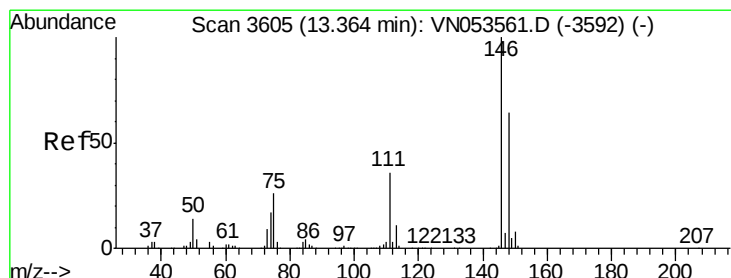
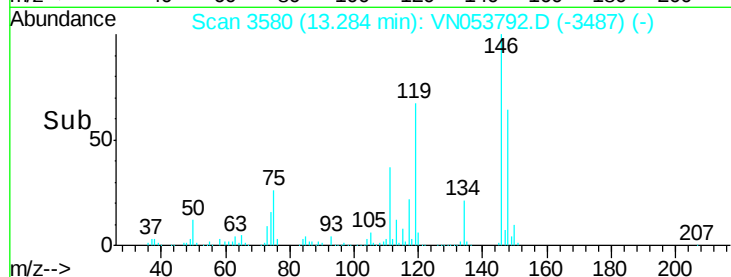
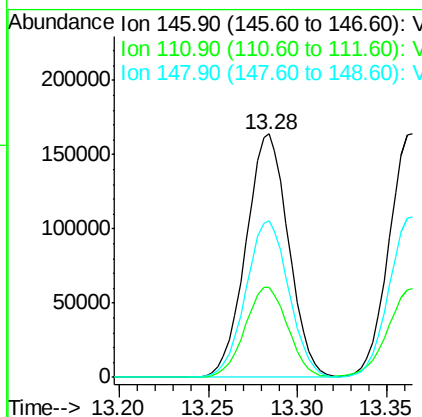
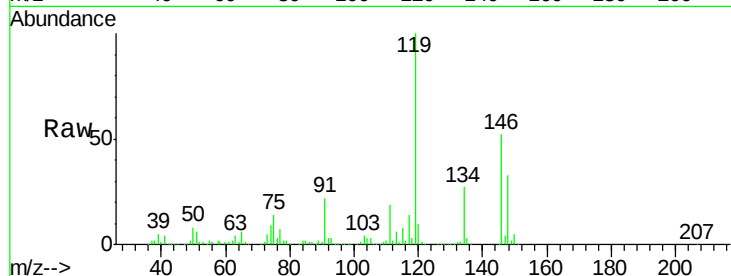




#87
 1,3-Dichlorobenzene
 Concen: 20.206 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

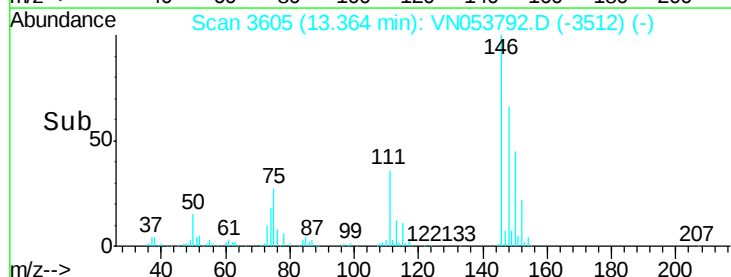
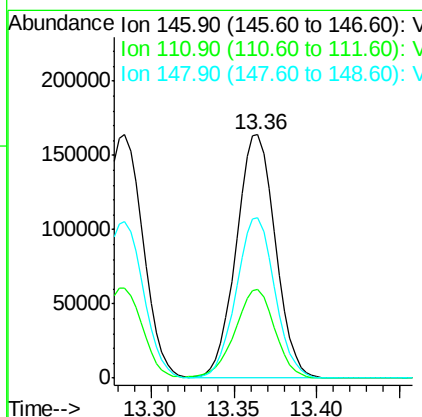
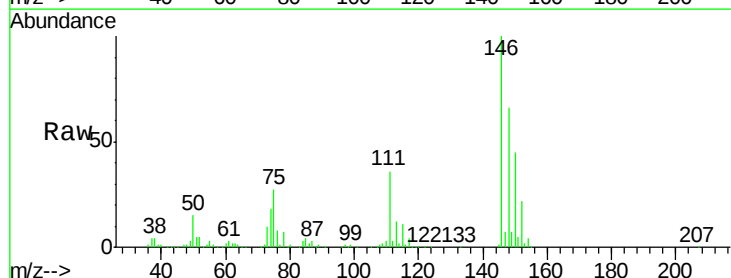
Instrument :
 MSVOA_N
 ClientSampled :

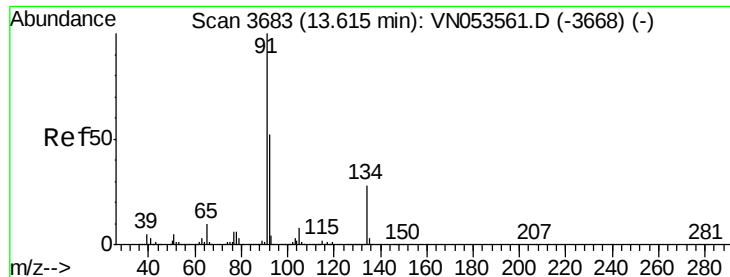
Tot Ion:146 Resp: 274033
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.3
 148 65.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.043 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Tgt Ion:146 Resp: 268887
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 64.9 32.4 97.0

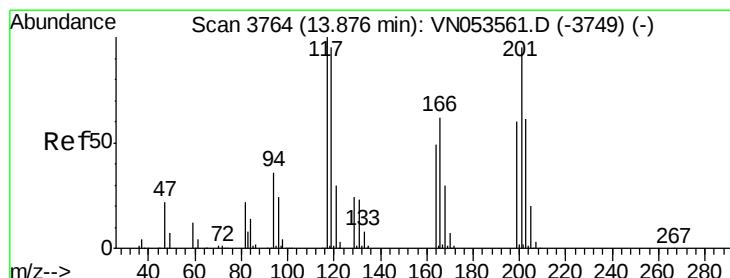
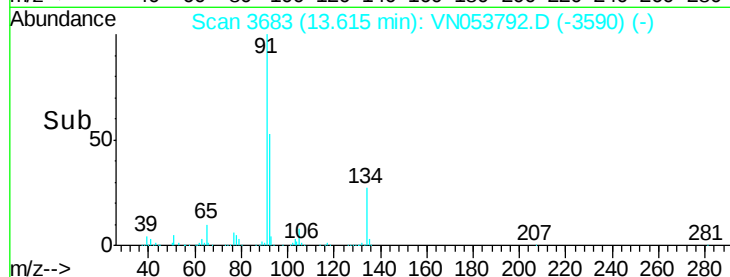
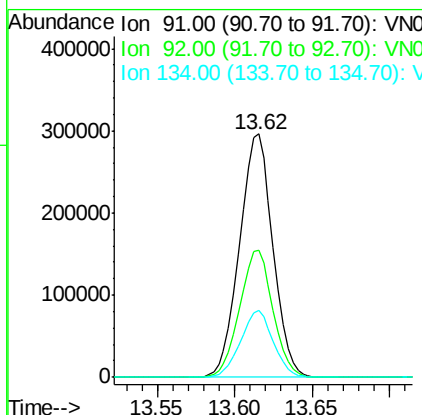
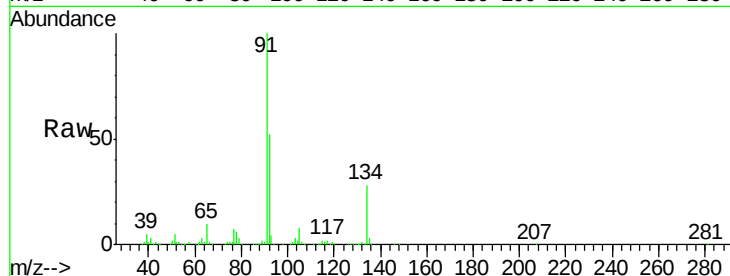




#89
n-Butylbenzene
Concen: 20.966 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

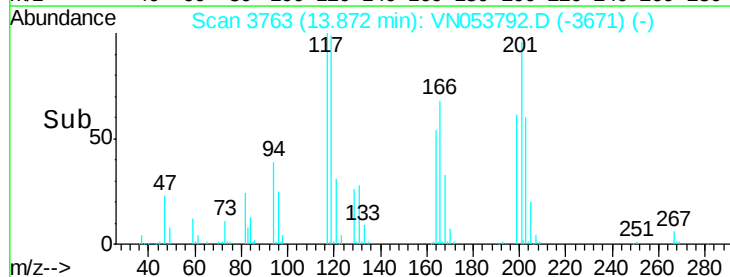
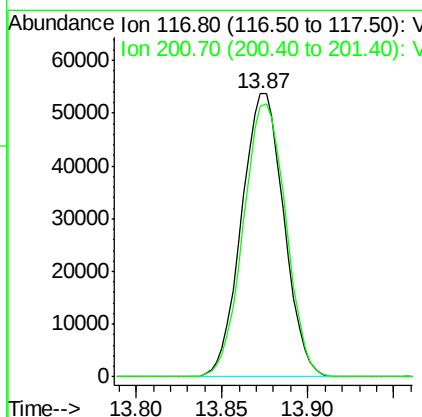
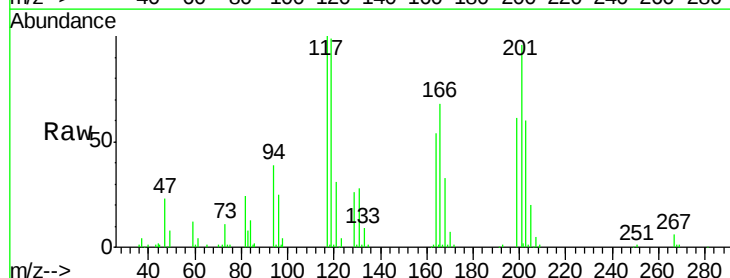
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 443119
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.8
134 27.0 13.5 40.5



#90
Hexachloroethane
Concen: 22.805 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053792.D
Acq: 15 Feb 2019 11:43

Tgt Ion: 117 Resp: 91848
Ion Ratio Lower Upper
117 100
201 96.8 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 20.737 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

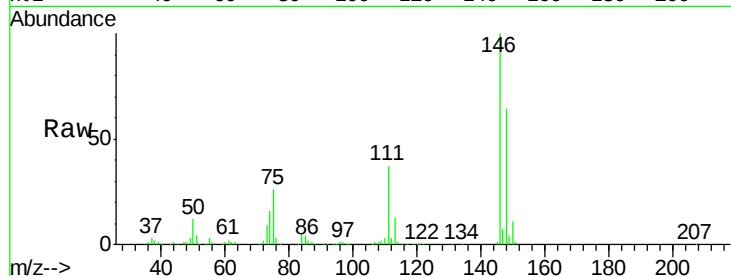
Tot Ion:146 Resp: 269241

Ion Ratio Lower Upper

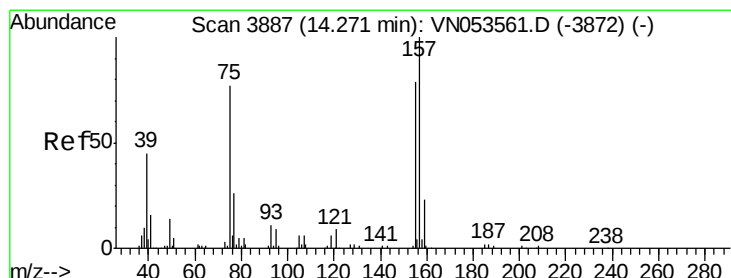
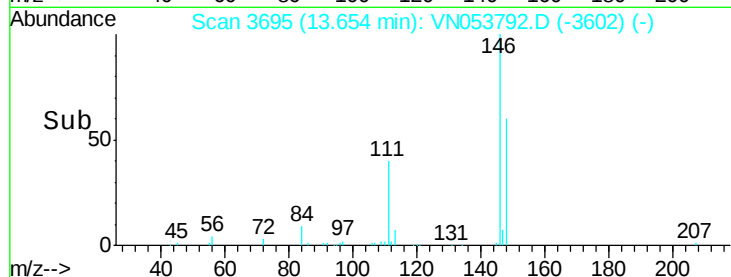
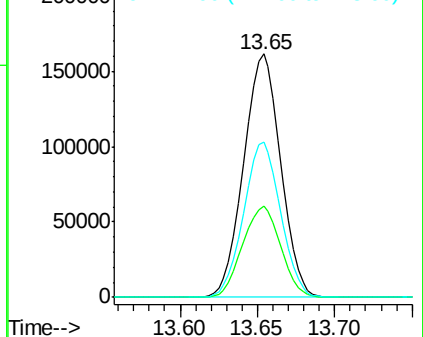
146 100

111 38.4 19.5 58.5

148 63.6 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: 22.544 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

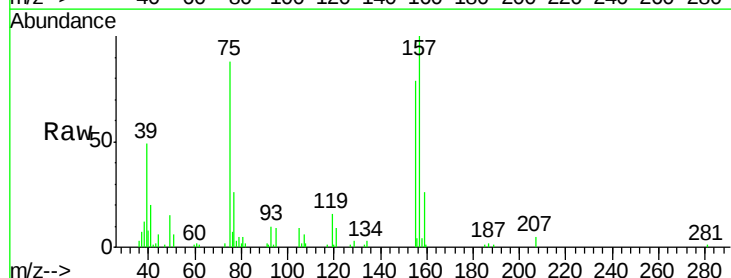
Tgt Ion: 75 Resp: 21525

Ion Ratio Lower Upper

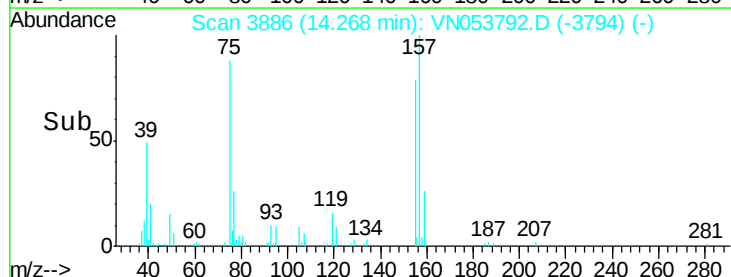
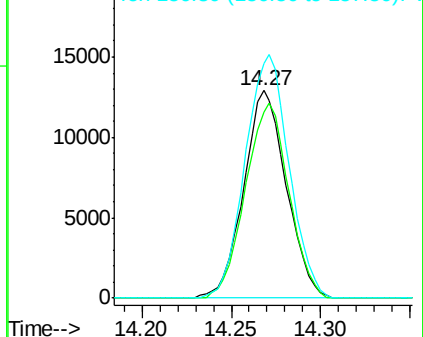
75 100

155 95.5 48.9 146.7

157 120.7 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

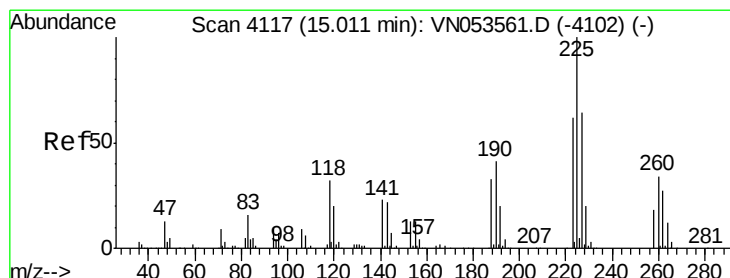
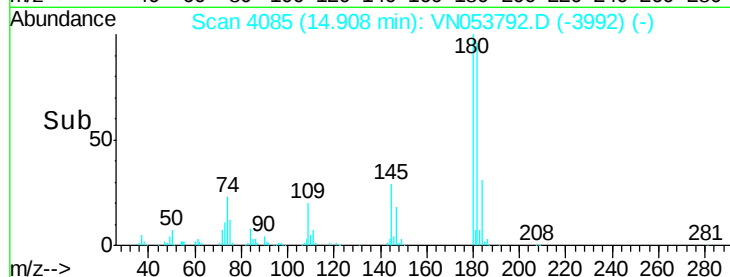
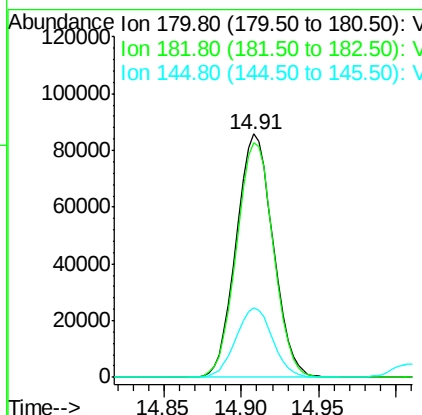
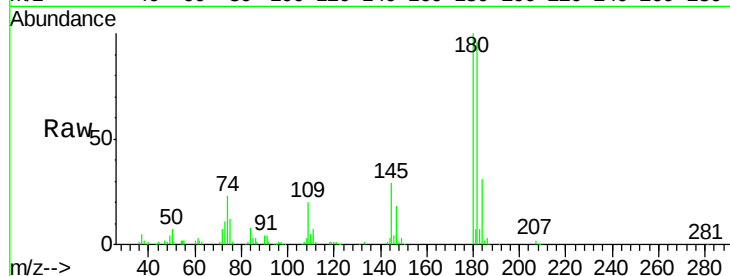




#93
 1,2,4-Trichlorobenzene
 Concen: 19.098 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

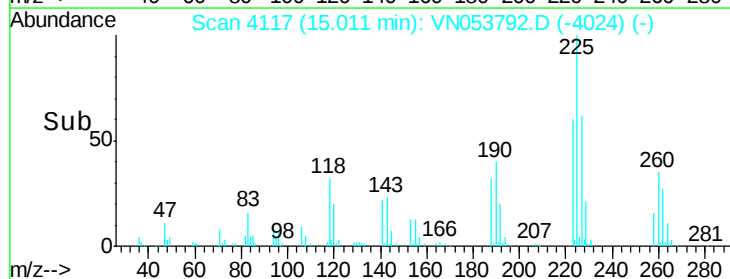
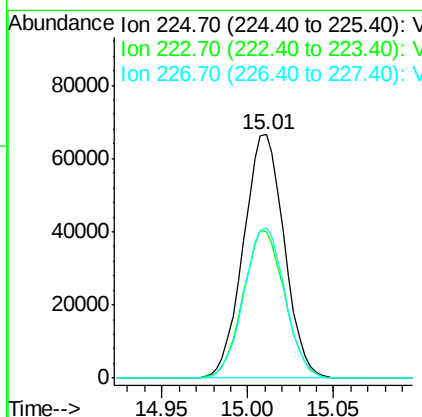
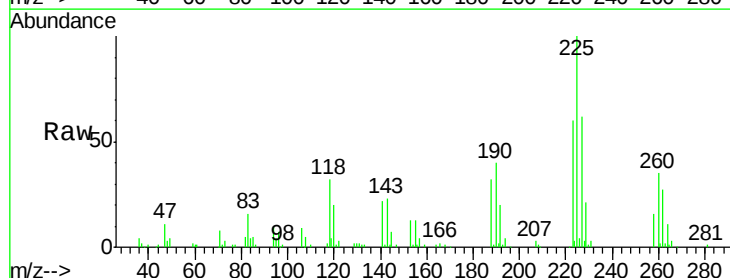
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.1	144.3
145	28.4	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 23.564 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053792.D
 Acq: 15 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.1	93.2
227	62.5	32.0	96.2





#95

Naphthalene

Concen: 16.277 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

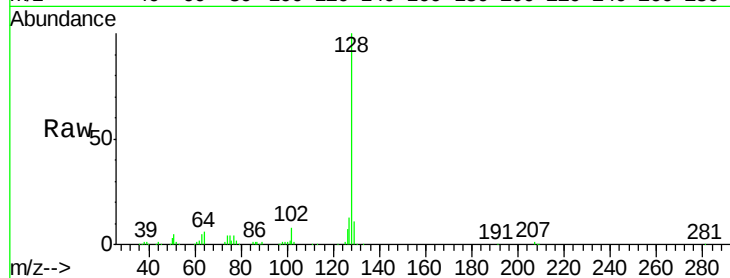
Tot Ion:128 Resp: 263500

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

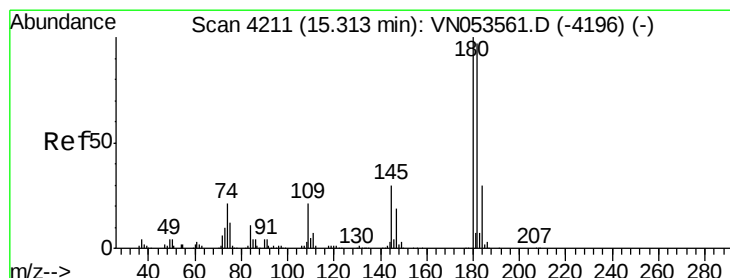
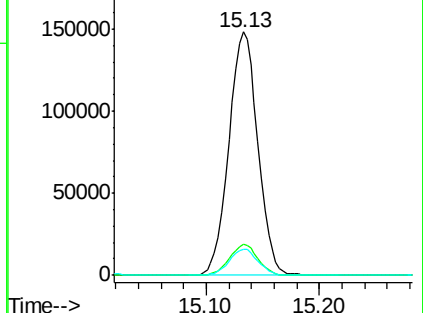
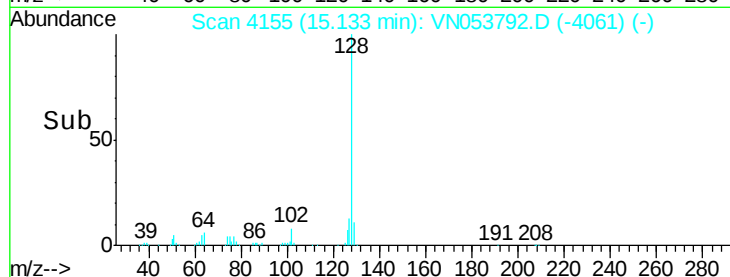
129 10.8 8.6 13.0



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: 20.173 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053792.D

Acq: 15 Feb 2019 11:43

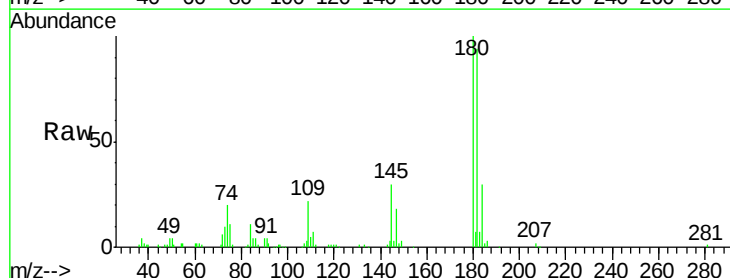
Tgt Ion:180 Resp: 139382

Ion Ratio Lower Upper

180 100

182 94.1 47.9 143.8

145 29.6 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

