

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053514.D
 Acq On : 22 Jan 2019 12:56
 Operator : JC/SP
 Sample : VN0122WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBS01

Quant Time: Jan 23 02:53:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	754344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1129733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1018283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	497026	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	380882	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
35) Dibromofluoromethane	7.59	113	346146	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
50) Toluene-d8	10.09	98	1377635	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.40	95	469878	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	116156	19.152	ug/l	99
3) Chloromethane	2.06	50	162320	18.719	ug/l	99
4) Vinyl Chloride	2.19	62	162244	19.410	ug/l	99
5) Bromomethane	2.57	94	115587	20.154	ug/l	96
6) Chloroethane	2.71	64	101042	19.994	ug/l	98
7) Trichlorofluoromethane	3.03	101	223905	20.479	ug/l	98
8) Diethyl Ether	3.41	74	85336	20.781	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	142259	20.545	ug/l	99
10) Methyl Iodide	3.96	142	209001	19.752	ug/l	100
11) Tert butyl alcohol	4.78	59	42168	115.581	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	133564	19.887	ug/l	95
13) Acrolein	3.61	56	72299	115.057	ug/l	99
14) Allyl chloride	4.33	41	223339	20.473	ug/l	99
15) Acrylonitrile	4.99	53	249089	103.743	ug/l	100
16) Acetone	3.81	43	181024	103.484	ug/l	99
17) Carbon Disulfide	4.06	76	379890	18.705	ug/l	99
18) Methyl Acetate	4.32	43	119324	20.246	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	375146	21.023	ug/l	99
20) Methylene Chloride	4.55	84	160106	20.047	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	147763	20.579	ug/l	99
22) Diisopropyl ether	5.95	45	483151	21.215	ug/l	99
23) Vinyl Acetate	5.89	43	1473680	105.269	ug/l	100
24) 1,1-Dichloroethane	5.85	63	282566	20.988	ug/l	99
25) 2-Butanone	6.83	43	274004	101.645	ug/l	100
26) 2,2-Dichloropropane	6.83	77	204025	20.072	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	171466	20.883	ug/l	99
28) Bromochloromethane	7.19	49	116029	19.563	ug/l	98
29) Tetrahydrofuran	7.21	42	181962	103.688	ug/l	99
30) Chloroform	7.37	83	280442	21.380	ug/l	99
31) Cyclohexane	7.66	56	258310	19.579	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	229202	20.599	ug/l	99
36) 1,1-Dichloropropene	7.79	75	209794	20.391	ug/l	100
37) Ethyl Acetate	6.93	43	121437	20.515	ug/l	99
38) Carbon Tetrachloride	7.78	117	198880	20.418	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	252017	19.818	ug/l	99
40) Benzene	8.04	78	645471	20.645	ug/l	100
41) Methacrylonitrile	7.17	41	68740	19.950	ug/l	95
42) 1,2-Dichloroethane	8.12	62	193646	21.260	ug/l	100
43) Isopropyl Acetate	8.16	43	224638	21.105	ug/l	100
44) Trichloroethene	8.83	130	181571	20.942	ug/l	99
45) 1,2-Dichloropropane	9.12	63	174951	21.126	ug/l	99
46) Dibromomethane	9.21	93	97842	20.564	ug/l	98
47) Bromodichloromethane	9.40	83	209776	20.966	ug/l	100
48) Methyl methacrylate	9.20	41	112362	20.446	ug/l	98
49) 1,4-Dioxane	9.20	88	26975	502.597	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	607384	104.535	ug/l	100
52) Toluene	10.16	92	397929	20.501	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	208447	20.553	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	249313	20.970	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	142898	21.354	ug/l	98
56) Ethyl methacrylate	10.43	69	176835	19.912	ug/l	100
57) 1,3-Dichloropropane	10.71	76	244340	21.107	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	447012	95.483	ug/l	99
59) 2-Hexanone	10.75	43	411382	100.859	ug/l	99
60) Dibromochloromethane	10.90	129	157491	20.750	ug/l	99
61) 1,2-Dibromoethane	11.00	107	140380	20.742	ug/l	99
64) Tetrachloroethene	10.63	164	199911	20.832	ug/l	99
65) Chlorobenzene	11.43	112	443783	20.590	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	159409	21.260	ug/l	99
67) Ethyl Benzene	11.51	91	754915	20.552	ug/l	100
68) m/p-Xylenes	11.62	106	584449	42.142	ug/l	99
69) o-Xylene	11.95	106	281587	20.895	ug/l	99
70) Styrene	11.96	104	460343	21.048	ug/l	100
71) Bromoform	12.13	173	107408	20.807	ug/l #	100
73) Isopropylbenzene	12.25	105	750106	20.609	ug/l	100
74) N-amyl acetate	12.07	43	194506	20.046	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	152311	19.953	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	208821	31.882	ug/l #	100
77) Bromobenzene	12.53	156	196153	20.452	ug/l	99
78) n-propylbenzene	12.59	91	859713	20.577	ug/l	100
79) 2-Chlorotoluene	12.67	91	504079	20.355	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	624493	21.088	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47129	19.821	ug/l	96
82) 4-Chlorotoluene	12.77	91	516702	20.460	ug/l	100
83) tert-Butylbenzene	12.99	119	548706	20.978	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	629689	21.088	ug/l	100
85) sec-Butylbenzene	13.17	105	749808	20.903	ug/l	100
86) p-Isopropyltoluene	13.29	119	653542	20.983	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	344517	20.421	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	342182	20.220	ug/l	99
89) n-Butylbenzene	13.62	91	538948	20.300	ug/l	98
90) Hexachloroethane	13.88	117	101856	20.851	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	334768	21.569	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22127	22.861	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration

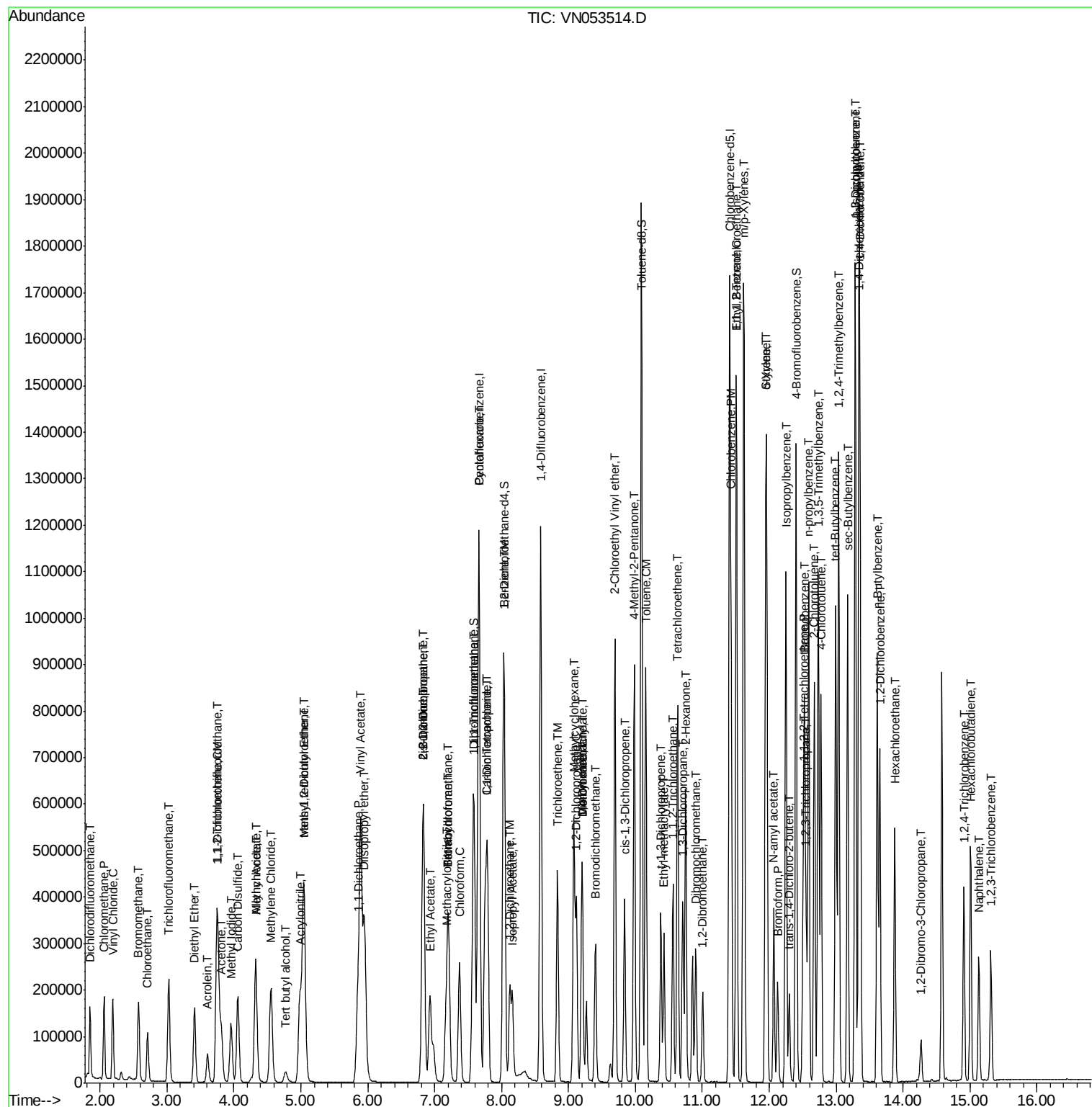
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	146338	22.953	ug/l	99
94) Hexachlorobutadiene	15.01	225	111272	22.982	ug/l	99
95) Naphthalene	15.13	128	236776	22.093	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	107935	23.762	ug/l	99

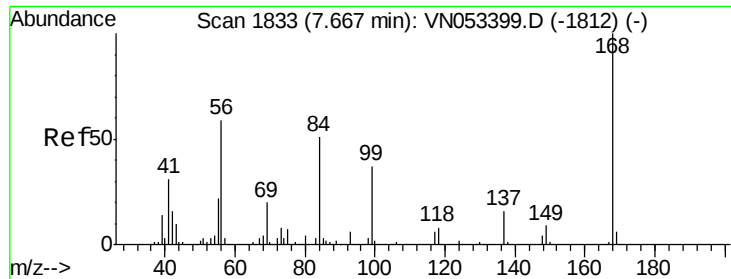
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012219\
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

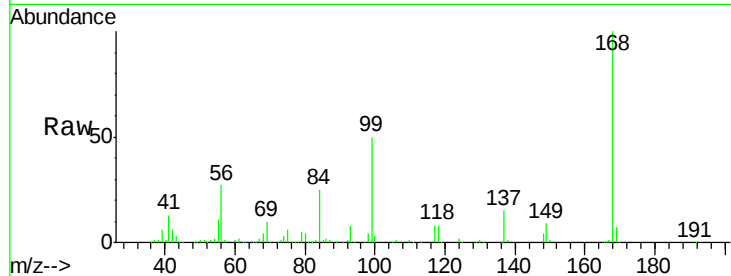
VN0122WBS01

Tot Ion:168 Resp: 754344

Ion Ratio Lower Upper

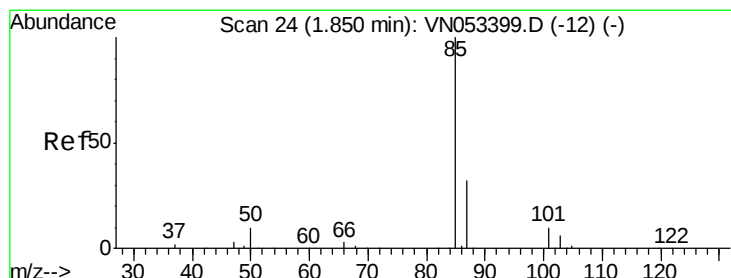
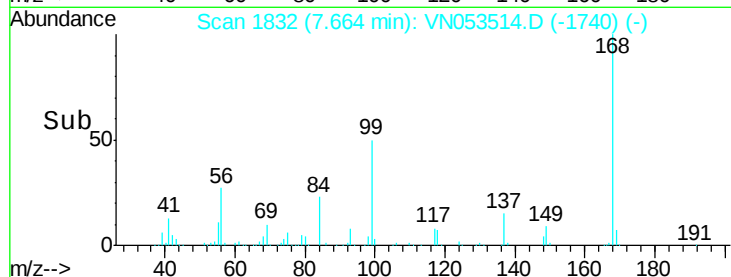
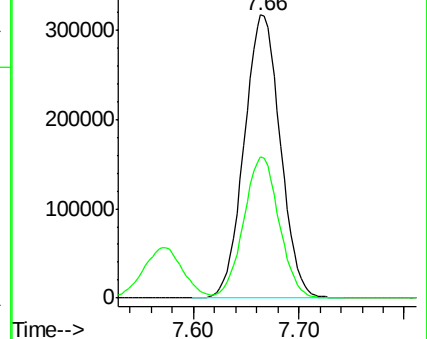
168 100

99 49.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.152 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053514.D

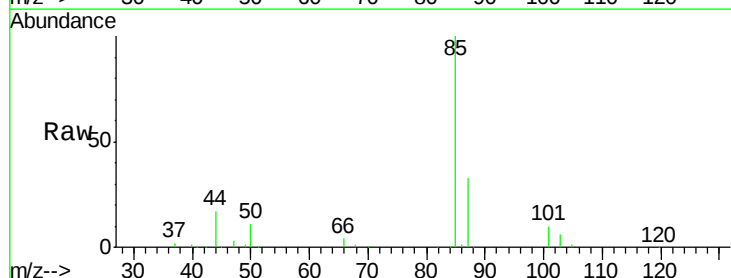
Acq: 22 Jan 2019 12:56

Tgt Ion: 85 Resp: 116156

Ion Ratio Lower Upper

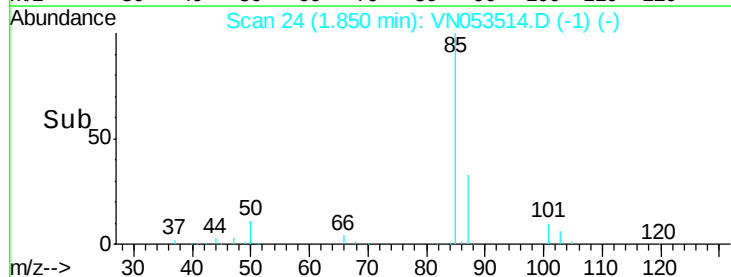
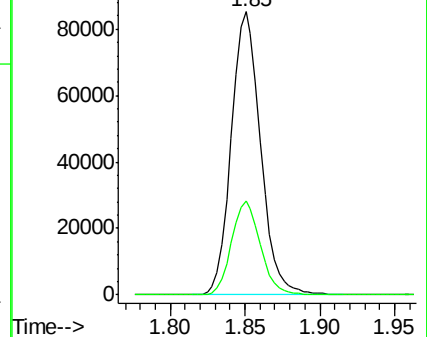
85 100

87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.719 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

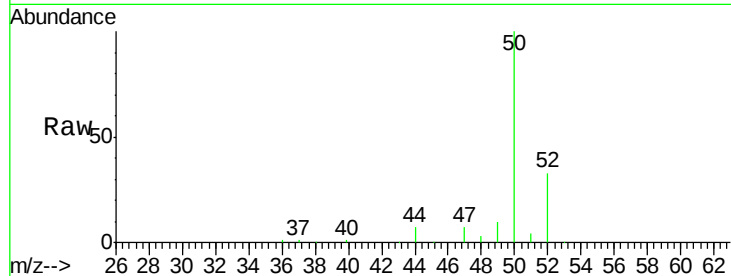
VN0122WBS01

Tot Ion: 50 Resp: 162320

Ion Ratio Lower Upper

50 100

52 32.9 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

120000

100000

80000

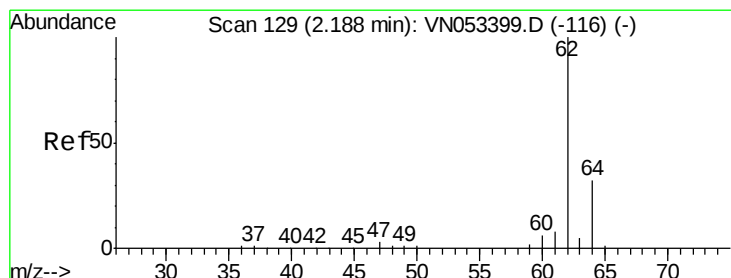
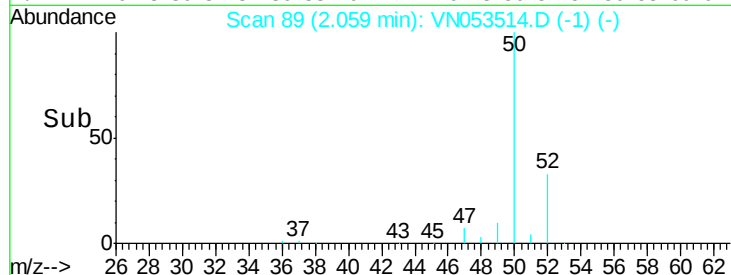
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 19.410 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053514.D

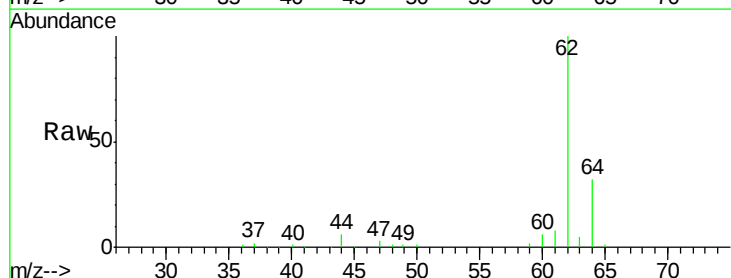
Acq: 22 Jan 2019 12:56

Tgt Ion: 62 Resp: 162244

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

120000

100000

80000

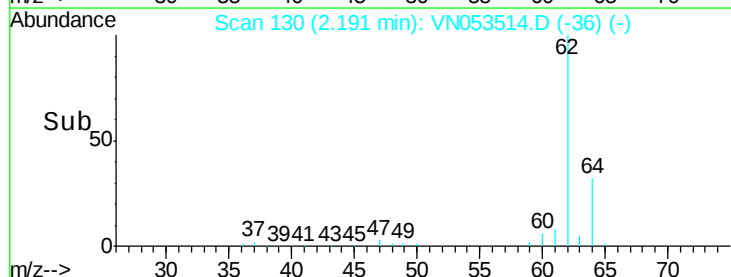
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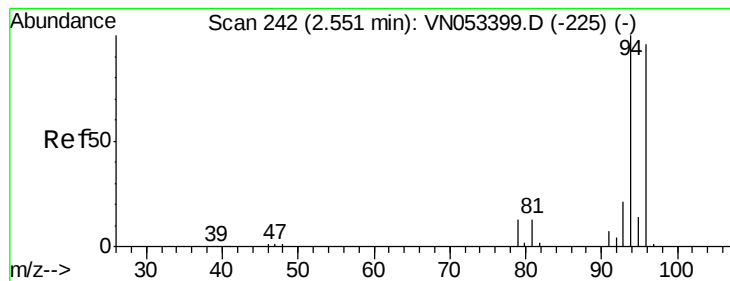
40000

20000

0

Time-->





#5

Bromomethane

Concen: 20.154 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

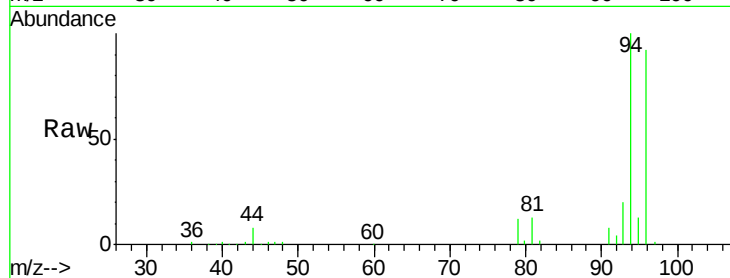
VN0122WBS01

Tot Ion: 94 Resp: 115587

Ion Ratio Lower Upper

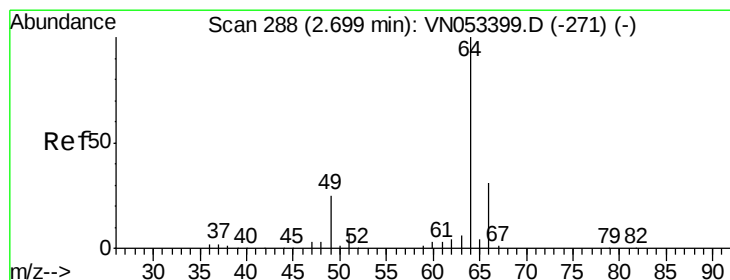
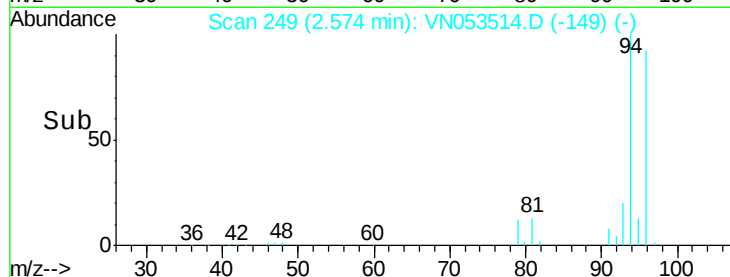
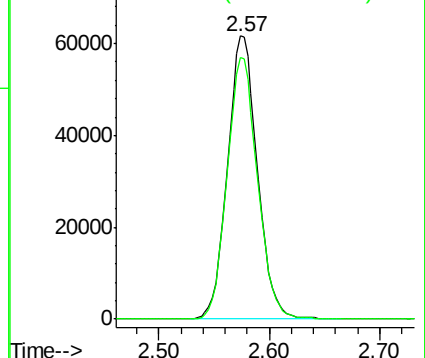
94 100

96 92.2 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.994 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN053514.D

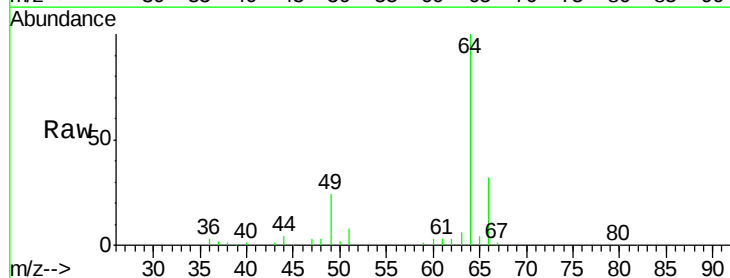
Acq: 22 Jan 2019 12:56

Tgt Ion: 64 Resp: 101042

Ion Ratio Lower Upper

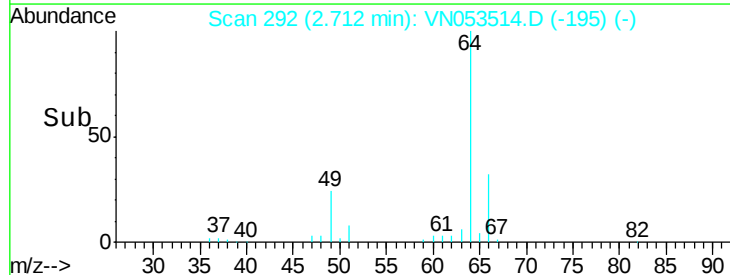
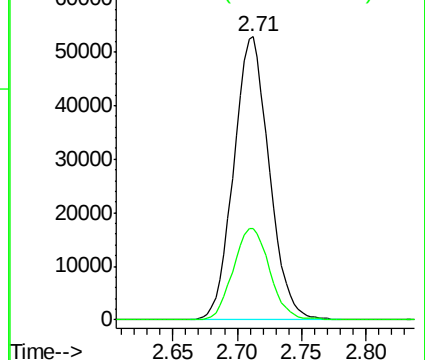
64 100

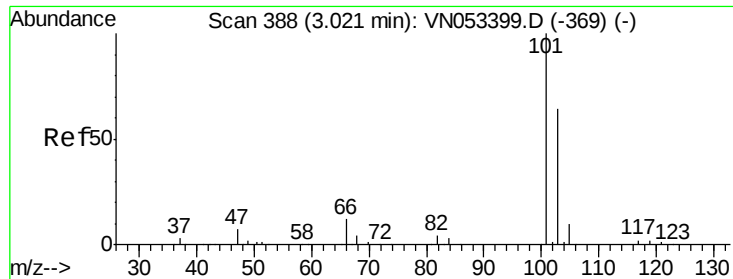
66 32.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



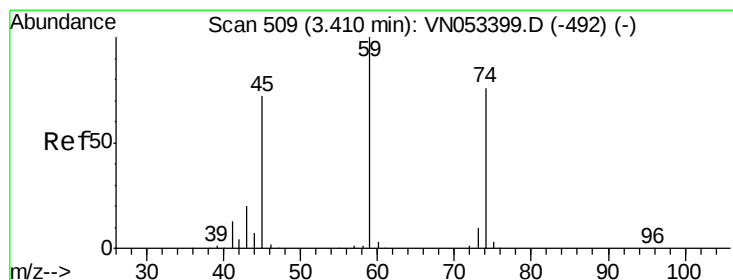
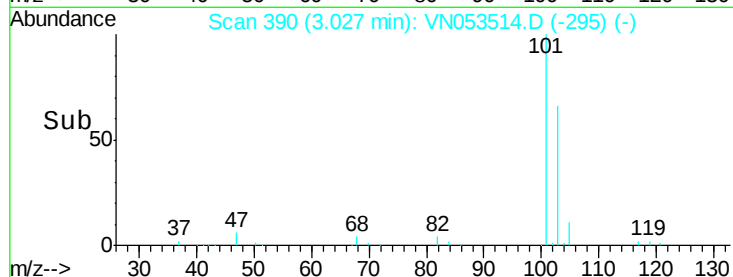
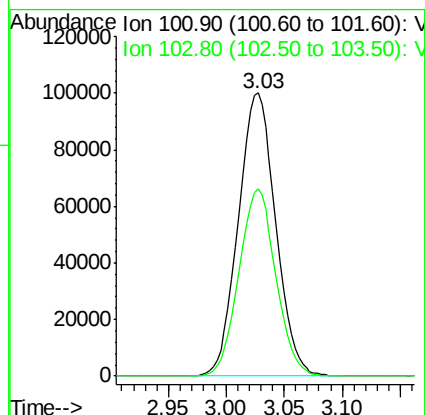
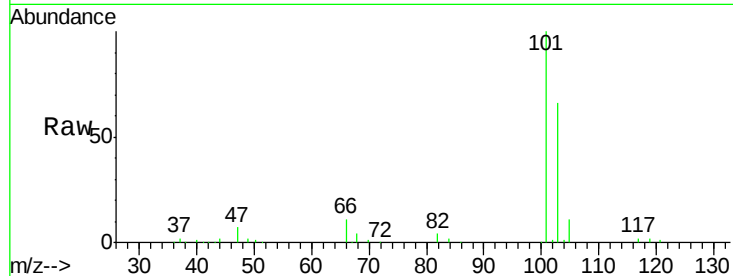


#7

Trichlorofluoromethane
Concen: 20.479 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.01 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Instrument :
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ClientSampleId :
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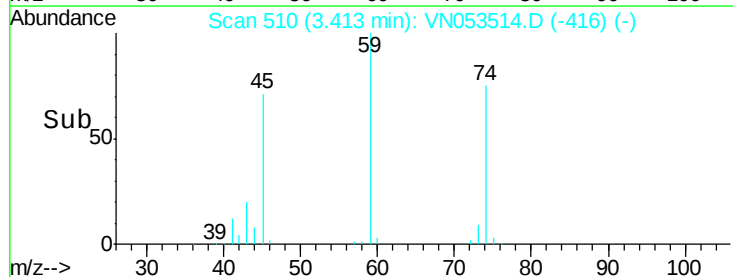
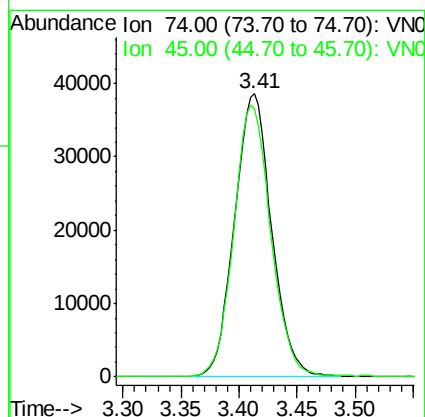
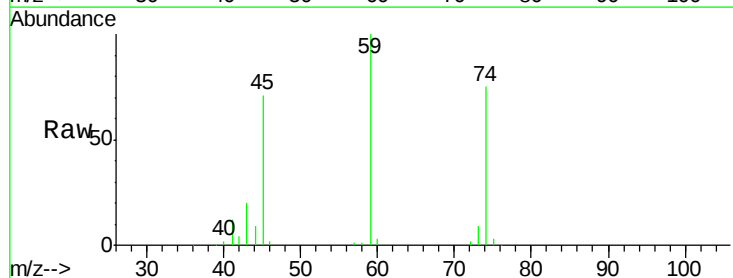
Tot Ion:101 Resp: 223905
Ion Ratio Lower Upper
101 100
103 66.0 51.6 77.4

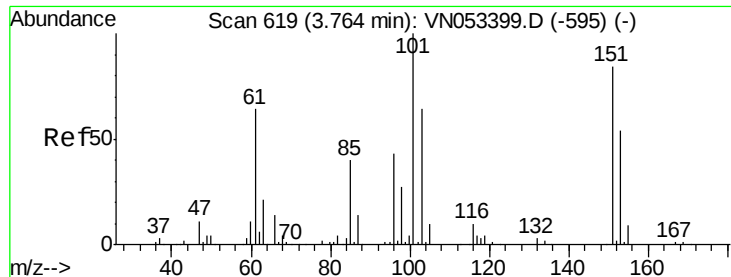


#8

Diethyl Ether
Concen: 20.781 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Tgt Ion: 74 Resp: 85336
Ion Ratio Lower Upper
74 100
45 96.1 47.9 143.7

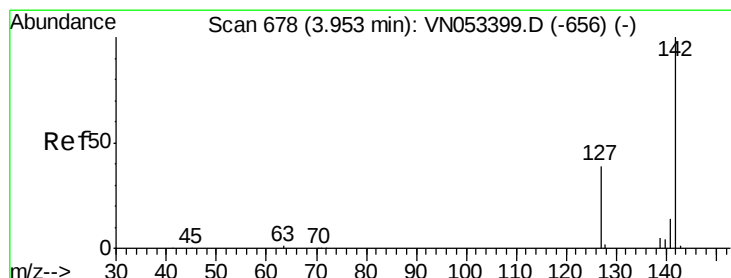
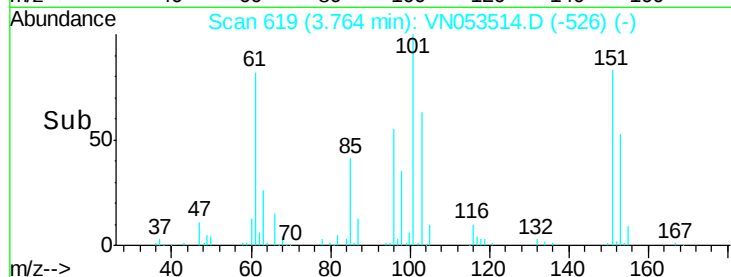
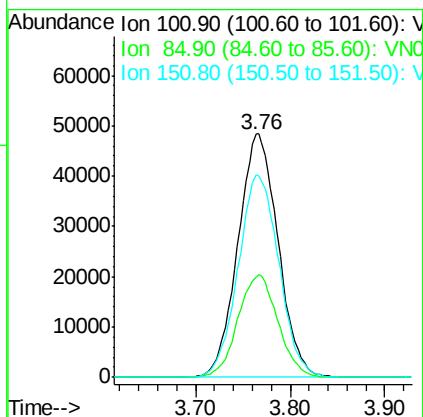
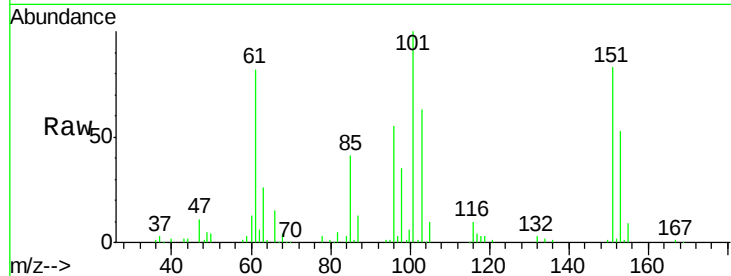




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.545 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

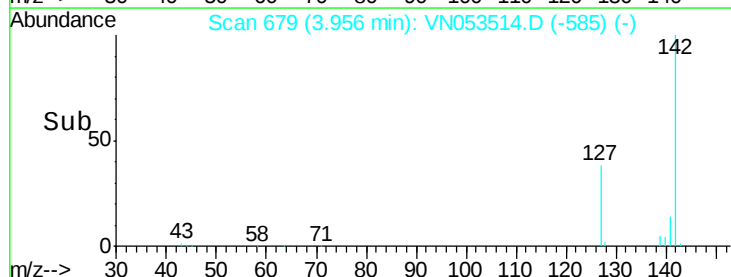
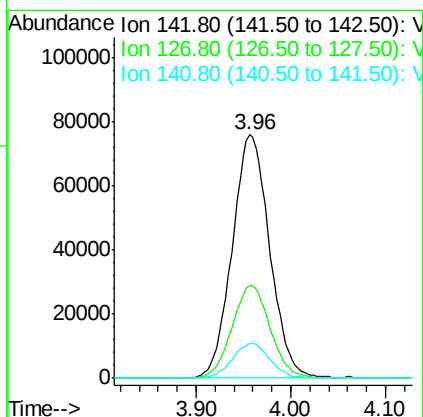
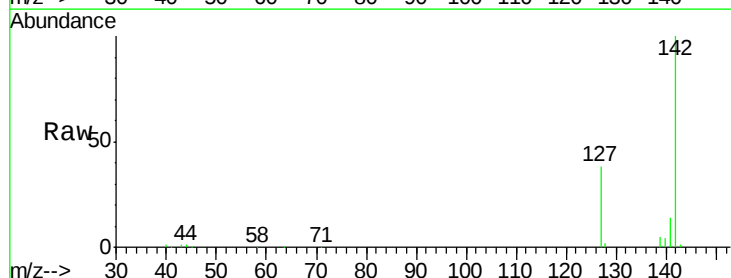
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBS01

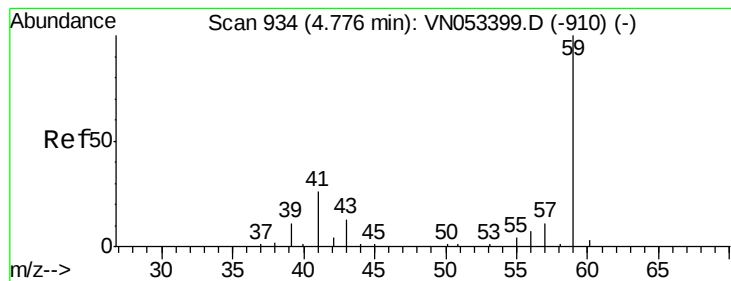
Tot Ion:101 Resp: 142259
 Ion Ratio Lower Upper
 101 100
 85 42.0 32.8 49.2
 151 84.6 66.9 100.3



#10
 Methyl Iodide
 Concen: 19.752 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

Tgt Ion:142 Resp: 209001
 Ion Ratio Lower Upper
 142 100
 127 38.7 31.0 46.4
 141 14.4 11.1 16.7



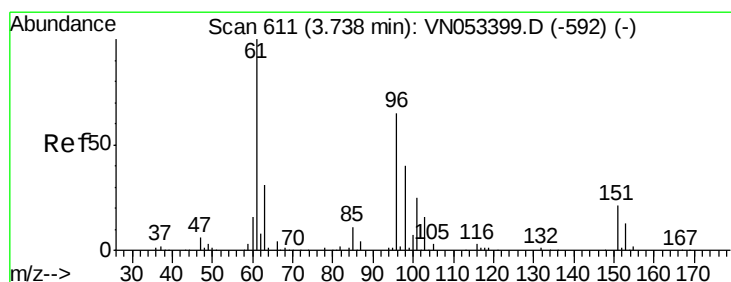
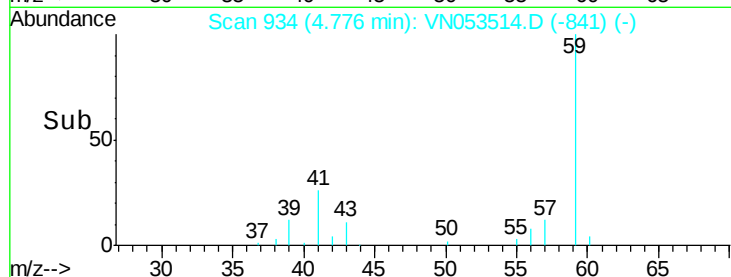
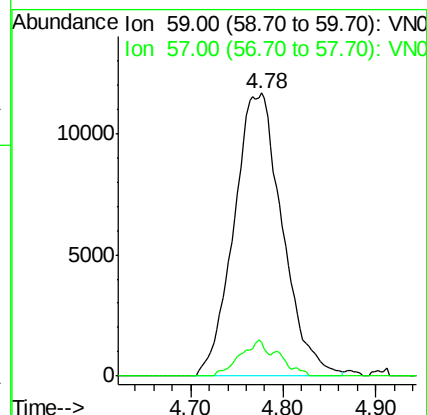
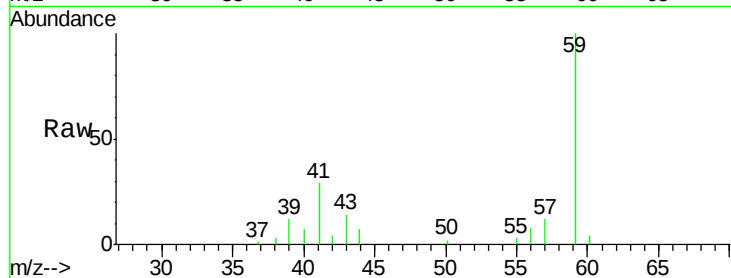


#11

Tert butyl alcohol
 Concen: 115.581 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0122WBS01

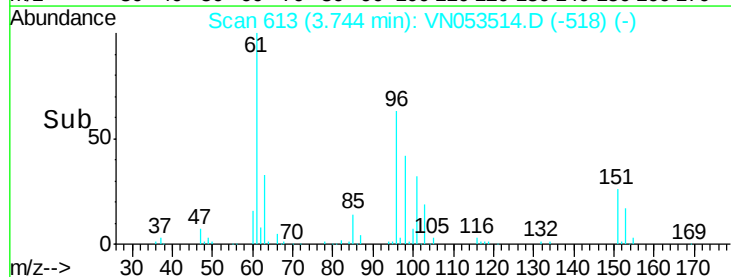
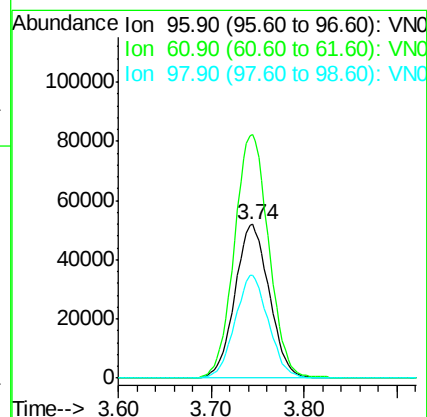
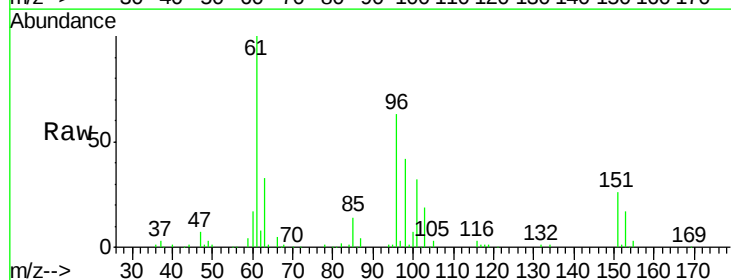
Tot Ion: 59 Resp: 42168
 Ion Ratio Lower Upper
 59 100
 57 7.1 8.2 12.4#

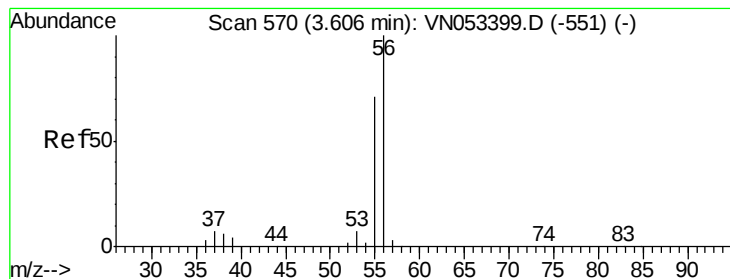


#12

1,1-Dichloroethene
 Concen: 19.887 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

Tgt Ion: 96 Resp: 133564
 Ion Ratio Lower Upper
 96 100
 61 158.7 122.9 184.3
 98 67.0 49.4 74.0





#13

Acrolein

Concen: 115.057 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

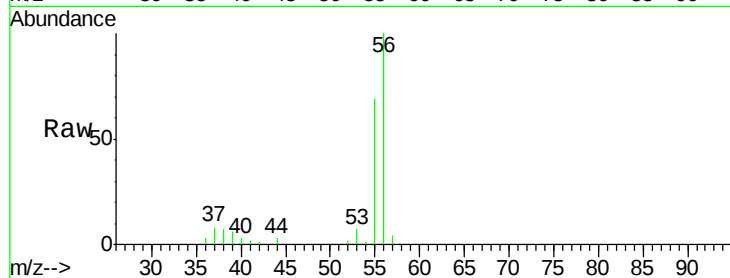
VN0122WBS01

Tot Ion: 56 Resp: 72299

Ion Ratio Lower Upper

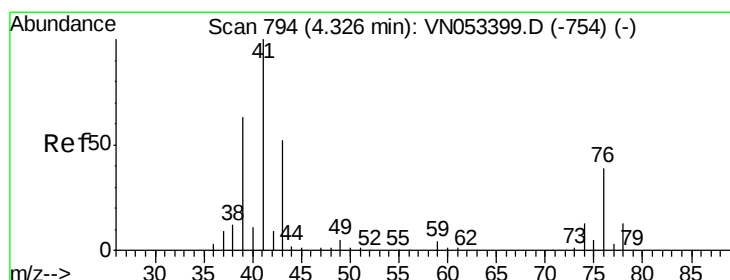
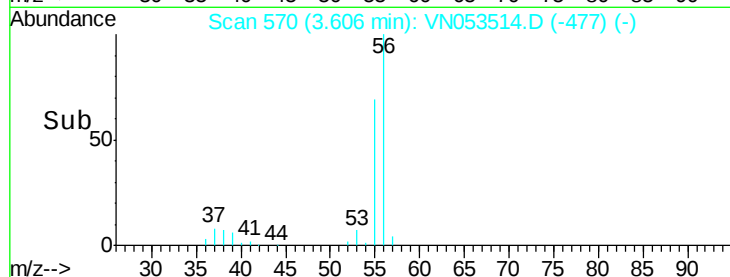
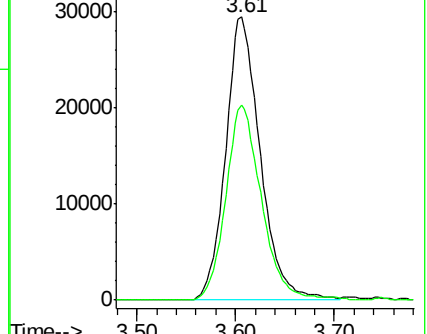
56 100

55 70.5 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.473 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

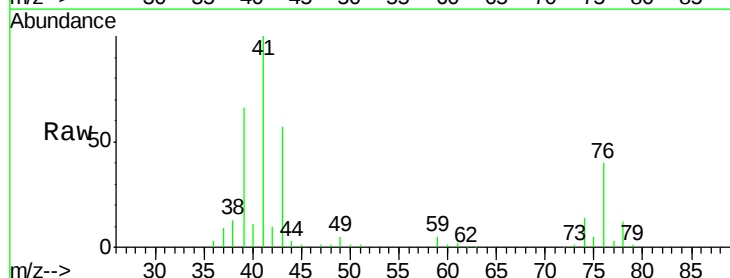
Tgt Ion: 41 Resp: 223339

Ion Ratio Lower Upper

41 100

39 61.9 48.9 73.3

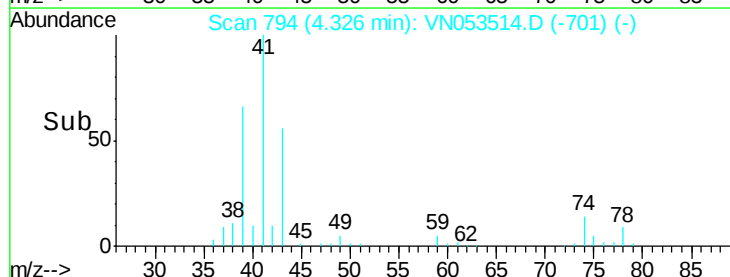
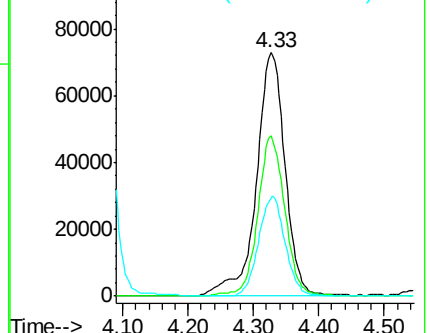
76 37.9 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.743 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBS01

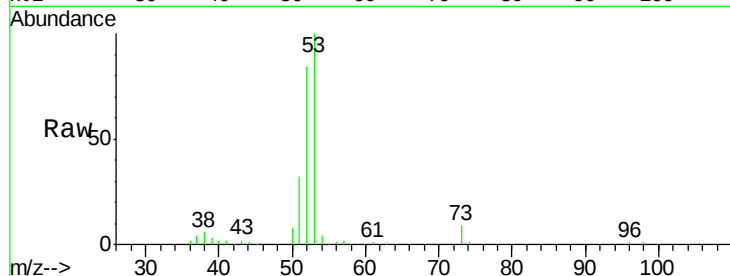
Tot Ion: 53 Resp: 249089

Ion Ratio Lower Upper

53 100

52 82.5 66.0 99.0

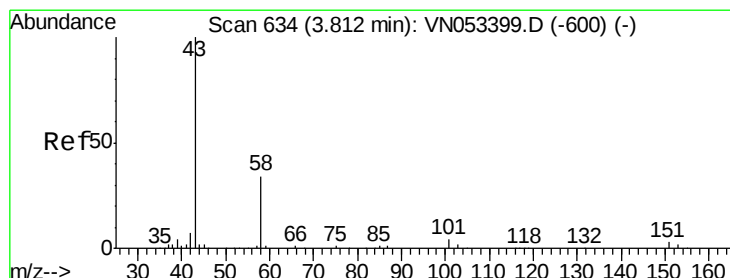
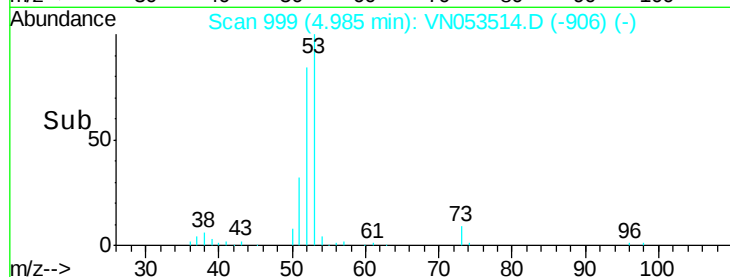
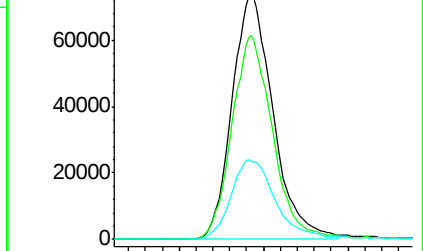
51 35.2 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN053399.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN053399.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN053399.D (-974) (-)



#16

Acetone

Concen: 103.484 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053514.D

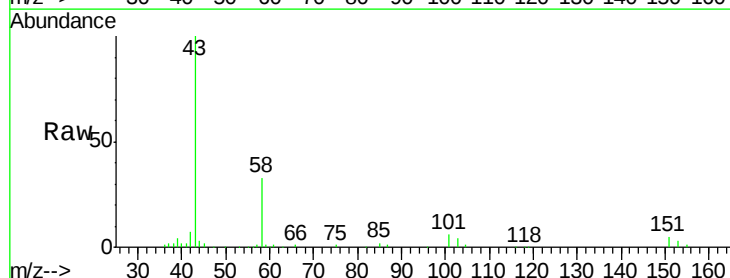
Acq: 22 Jan 2019 12:56

Tgt Ion: 43 Resp: 181024

Ion Ratio Lower Upper

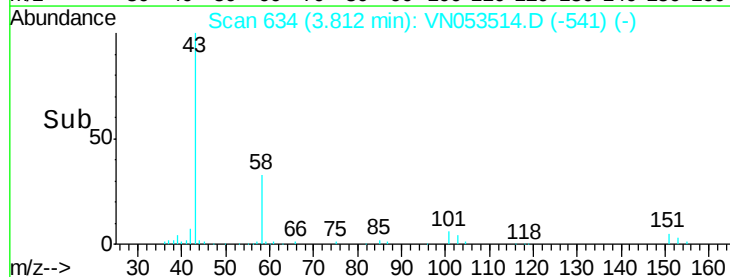
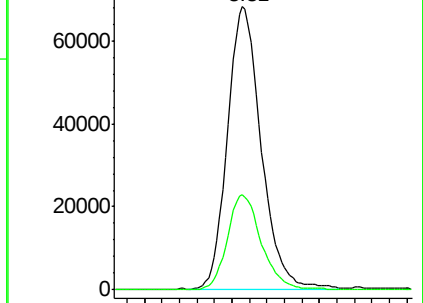
43 100

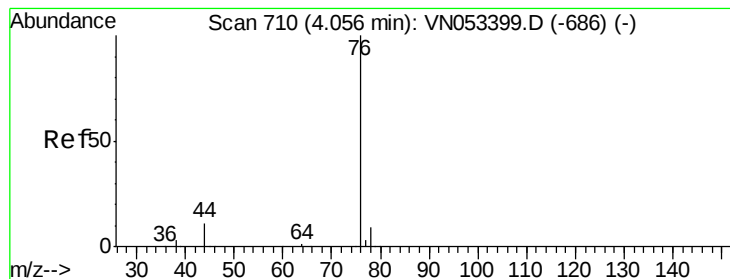
58 33.6 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-600) (-)





#17

Carbon Disulfide

Concen: 18.705 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

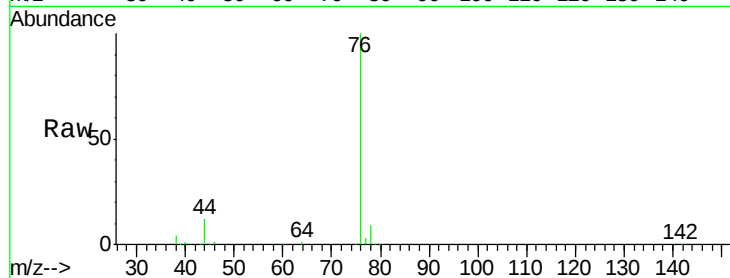
VN0122WBS01

Tot Ion: 76 Resp: 379890

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

150000

100000

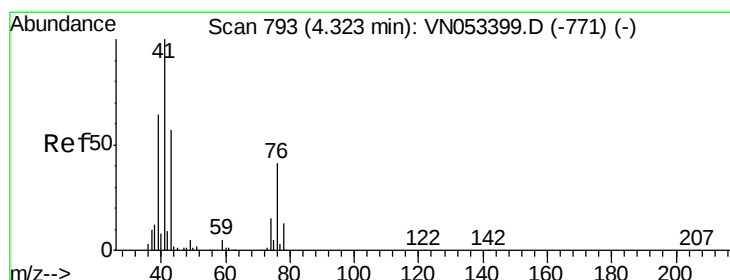
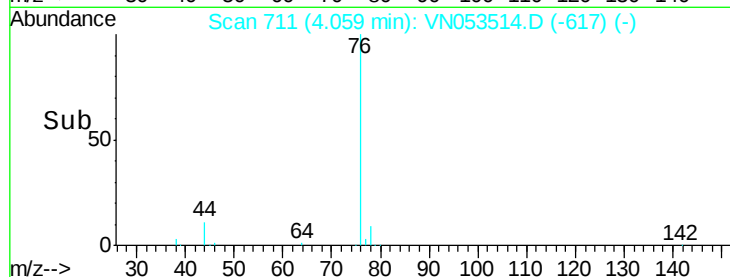
50000

0

4.06

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 20.246 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053514.D

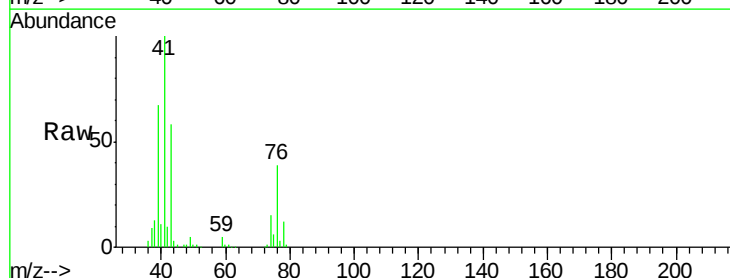
Acq: 22 Jan 2019 12:56

Tgt Ion: 43 Resp: 119324

Ion Ratio Lower Upper

43 100

74 25.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

40000

30000

20000

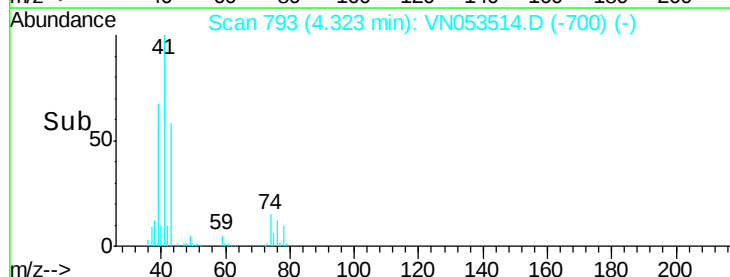
10000

0

4.32

4.20 4.30 4.40

Time-->

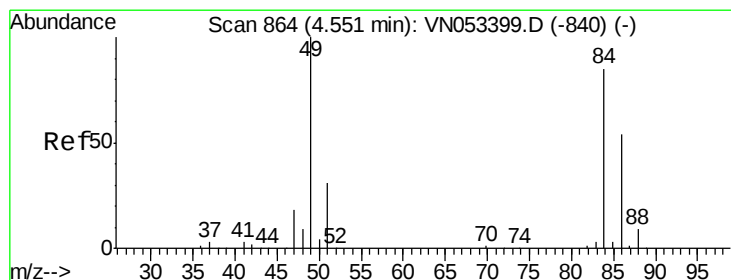
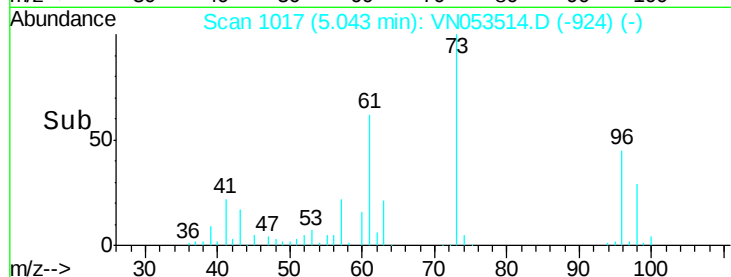
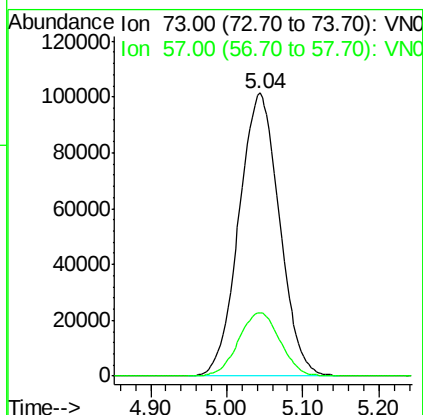
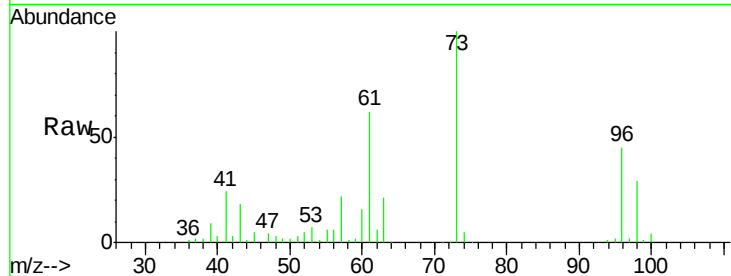




#19
Methyl tert-butyl Ether
Concen: 21.023 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

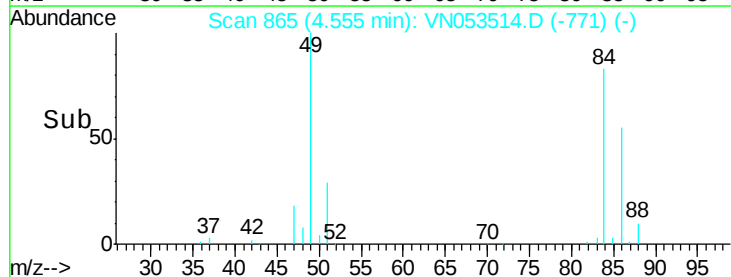
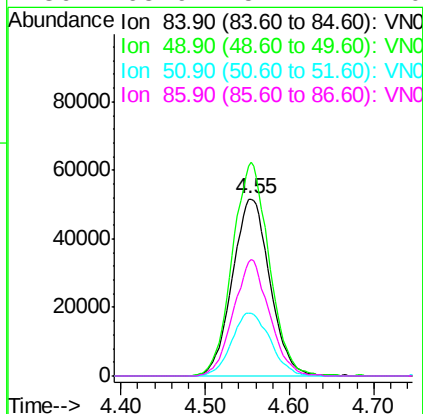
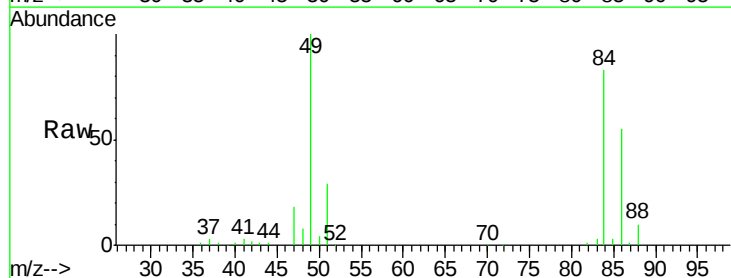
Instrument :
MSVOA_N
ClientSampleId :
VN0122WBS01

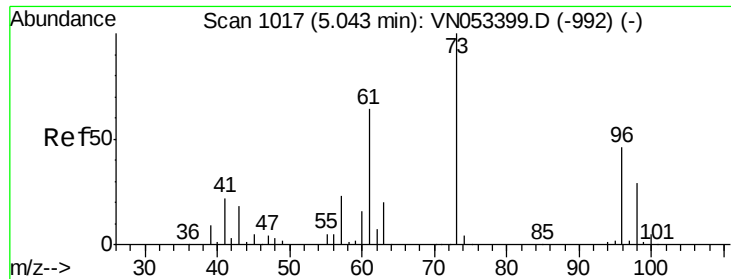
Tot Ion: 73 Resp: 375146
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5



#20
Methylene Chloride
Concen: 20.047 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Tgt Ion: 84 Resp: 160106
Ion Ratio Lower Upper
84 100
49 120.5 94.3 141.5
51 35.1 29.4 44.2
86 65.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.579 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBS01

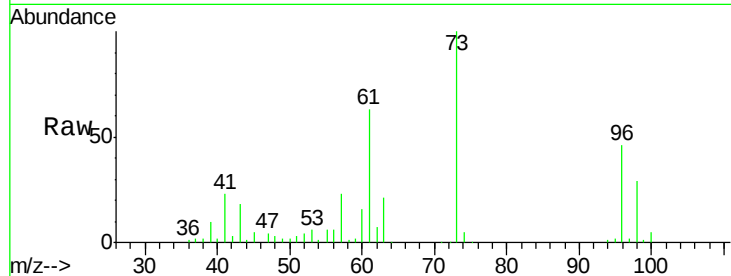
Tot Ion: 96 Resp: 147763

Ion Ratio Lower Upper

96 100

61 136.4 110.1 165.1

98 63.1 50.0 75.0

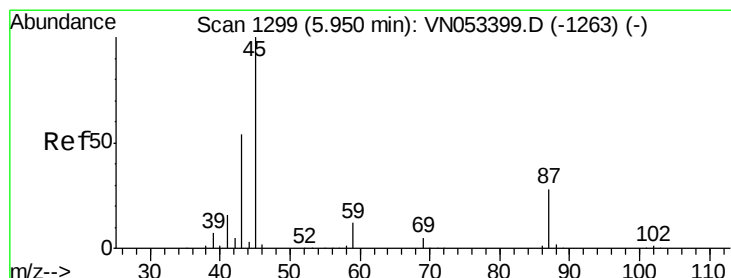
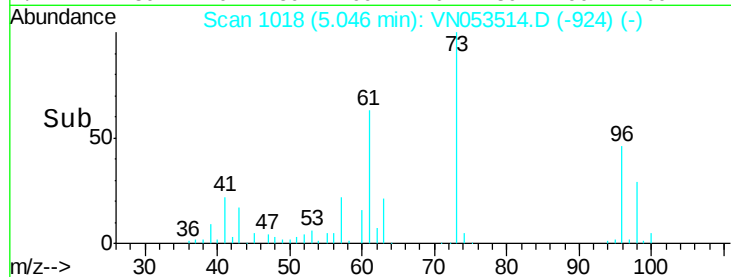
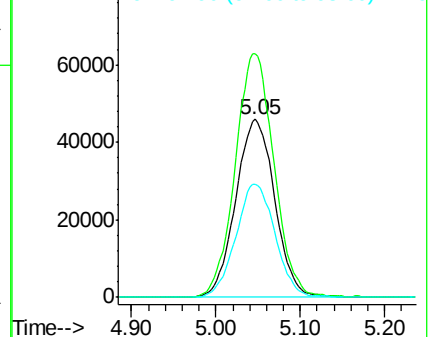


Abundance

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: 21.215 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Tgt Ion: 45 Resp: 483151

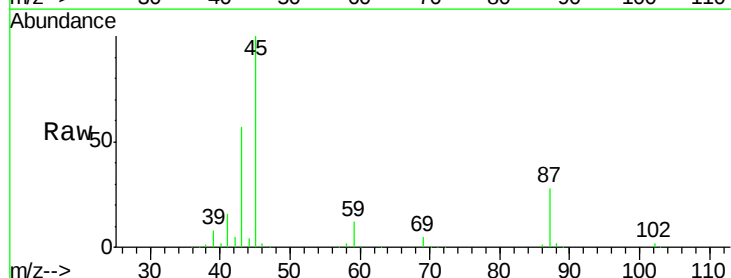
Ion Ratio Lower Upper

45 100

43 56.6 44.2 66.4

87 28.2 22.7 34.1

59 12.1 9.4 14.2



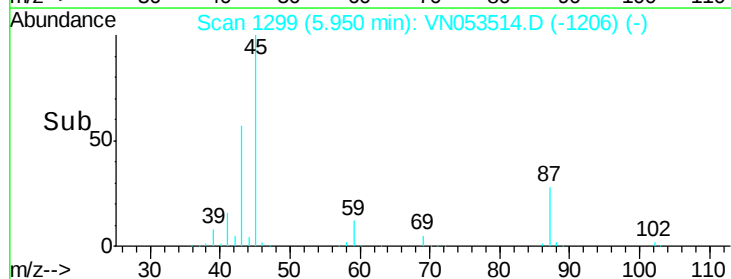
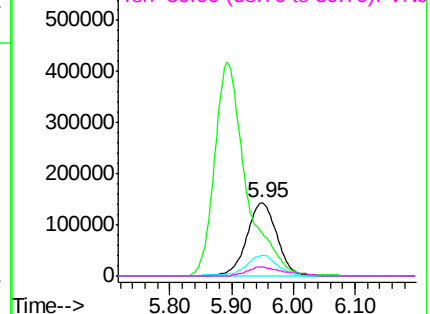
Abundance

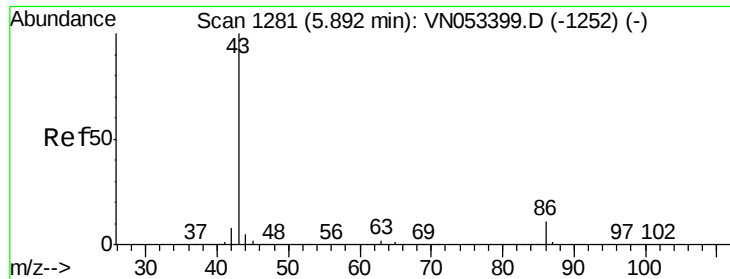
Ion 45.00 (44.70 to 45.70): VN0

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

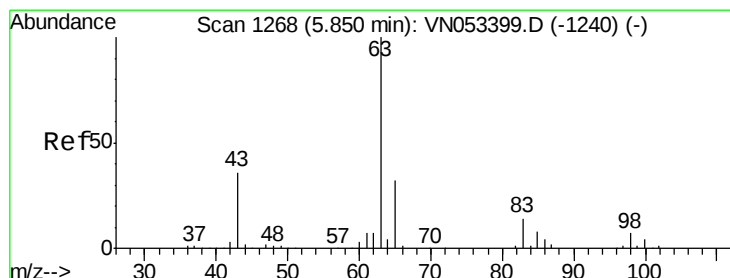
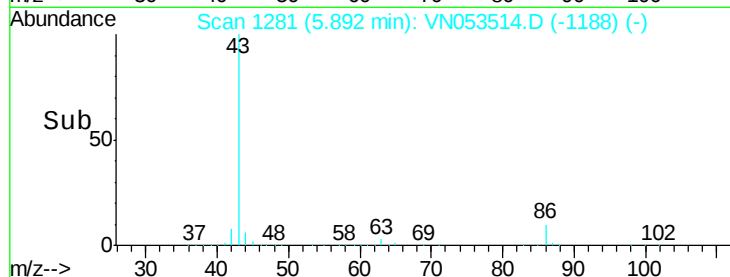
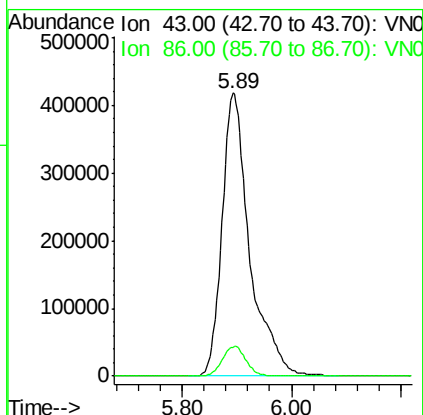
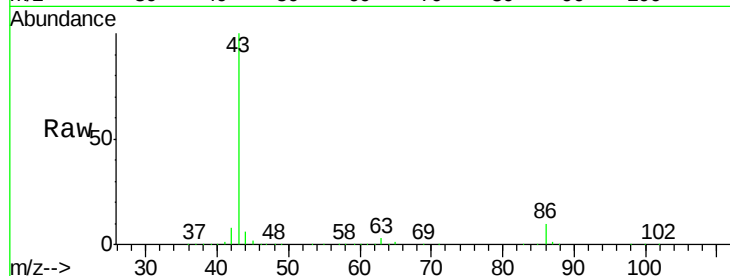




#23
 Vinyl Acetate
 Concen: 105.269 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

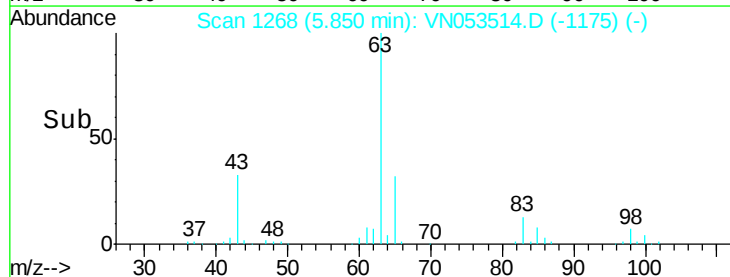
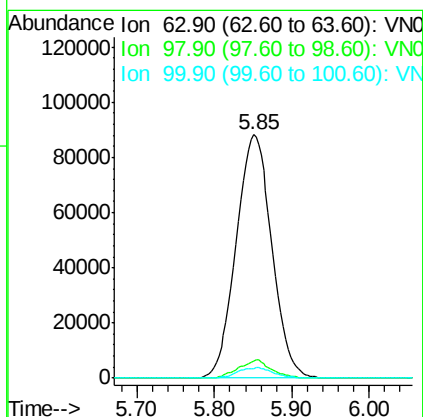
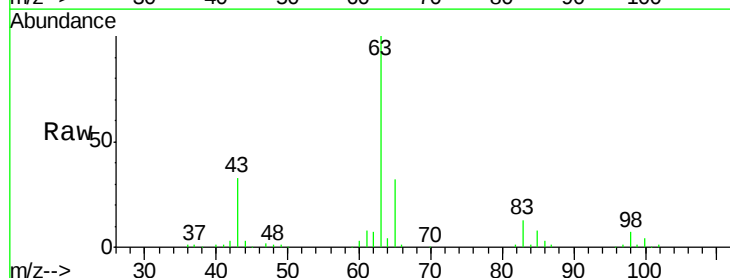
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBS01

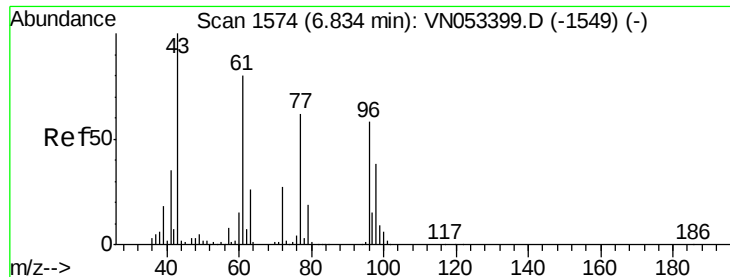
Tot Ion: 43 Resp: 1473680
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 20.988 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

Tgt Ion: 63 Resp: 282566
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.3 9.9
 100 4.0 2.1 6.5

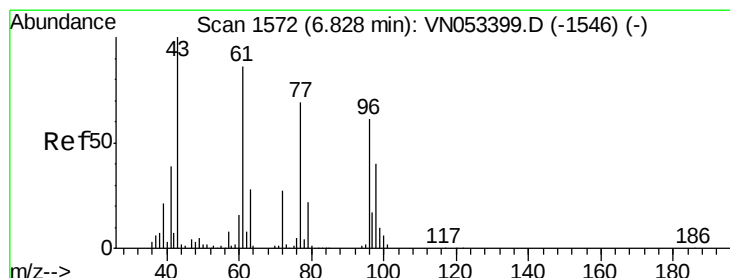
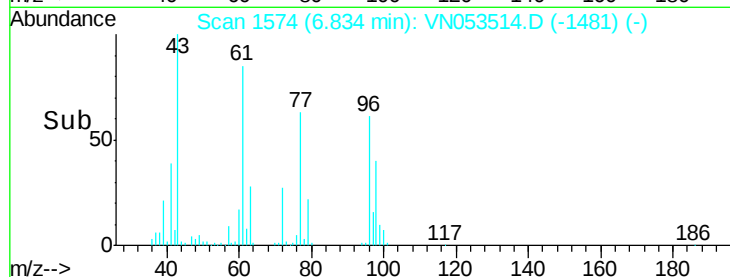
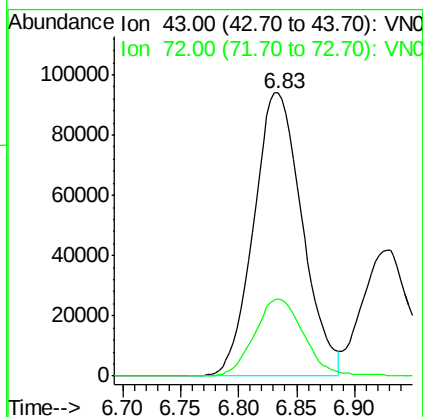
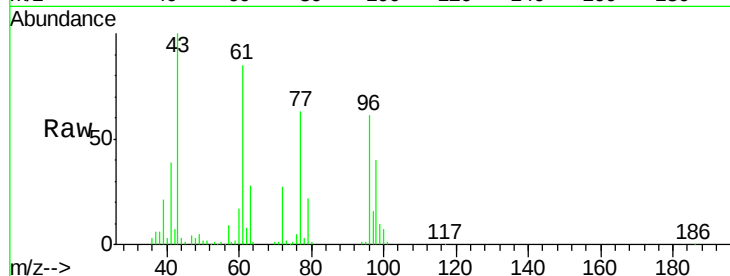




#25
2-Butanone
Concen: 101.645 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

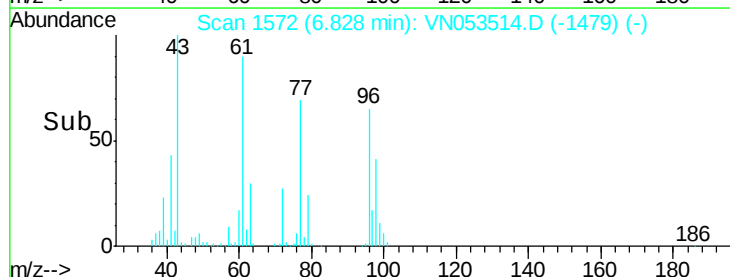
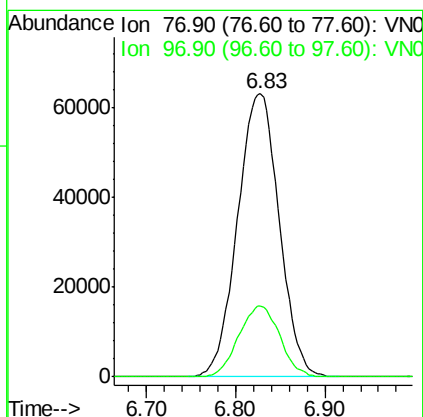
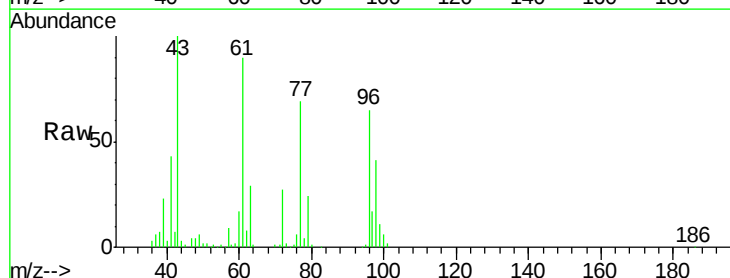
Instrument :
MSVOA_N
ClientSampled :
VN0122WBS01

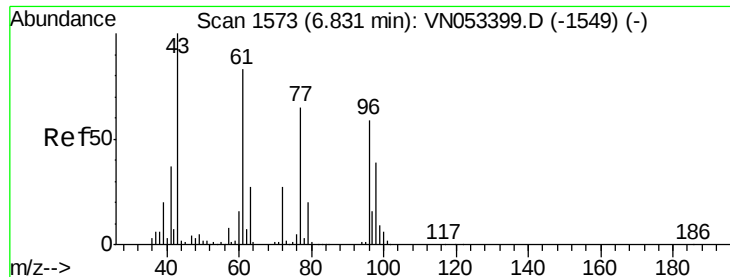
Tot Ion: 43 Resp: 274004
Ion Ratio Lower Upper
43 100
72 27.4 22.0 33.0



#26
2,2-Dichloropropane
Concen: 20.072 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Tgt Ion: 77 Resp: 204025
Ion Ratio Lower Upper
77 100
97 24.8 12.2 36.6



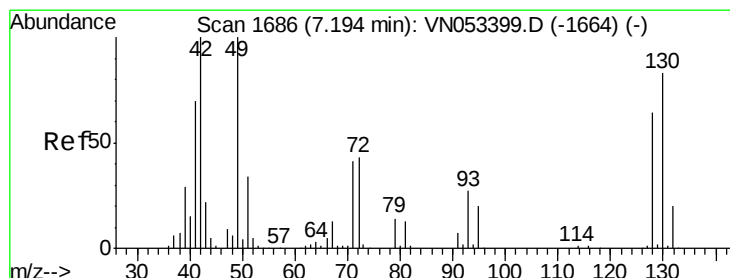
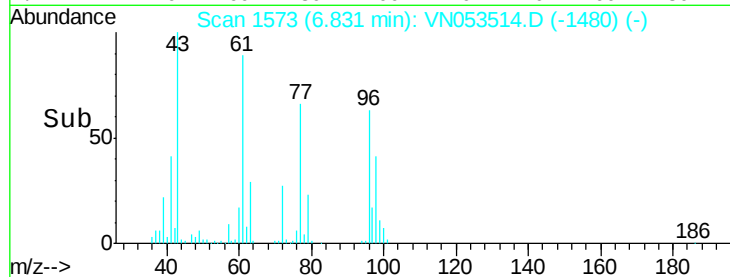
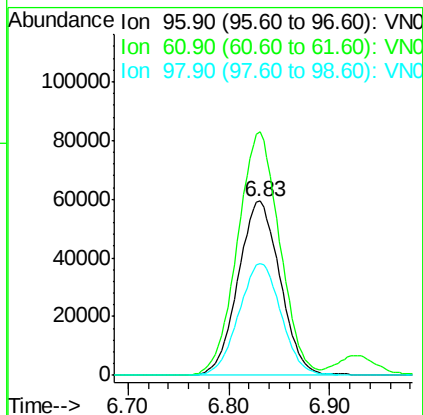
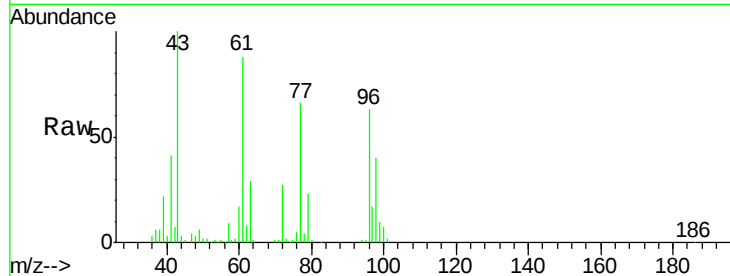


#27

cis-1,2-Dichloroethene
Concen: 20.883 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBS01

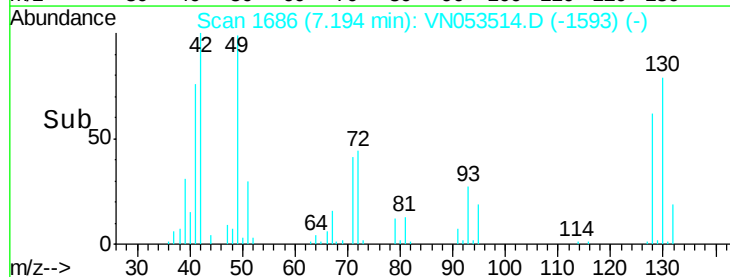
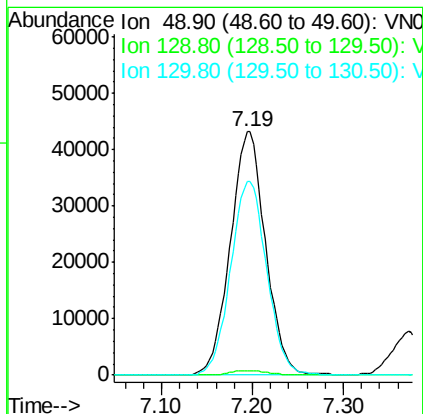
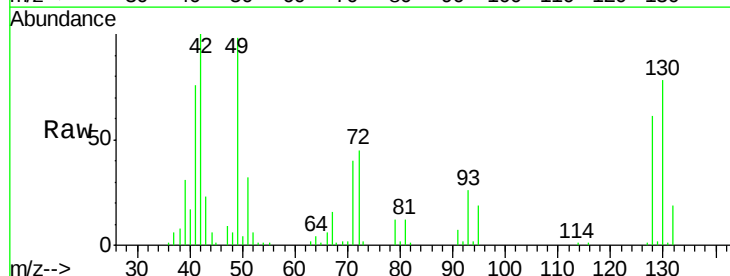
Tot Ion: 96 Resp: 171466
Ion Ratio Lower Upper
96 100
61 140.3 0.0 283.8
98 64.9 0.0 129.2

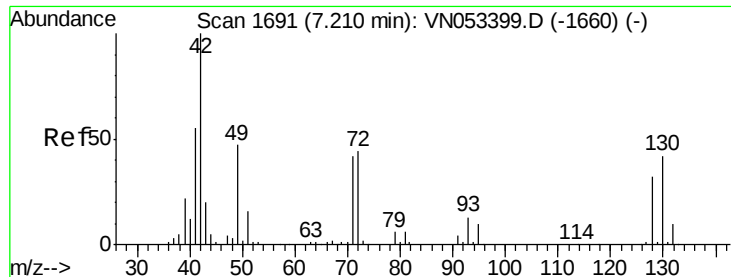


#28

Bromochloromethane
Concen: 19.563 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Tgt Ion: 49 Resp: 116029
Ion Ratio Lower Upper
49 100
129 1.9 0.0 4.0
130 81.4 66.3 99.5

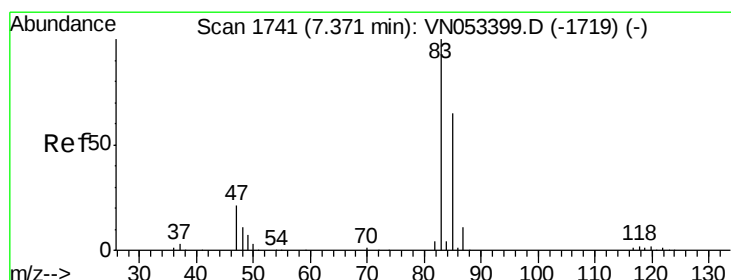
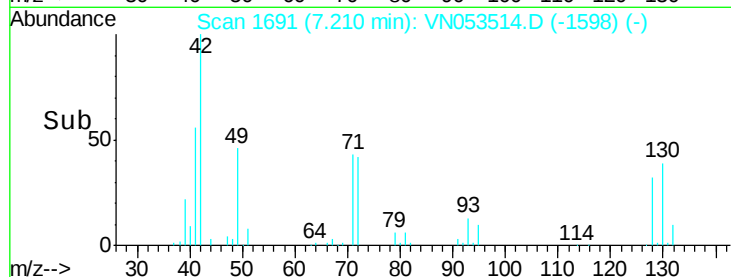
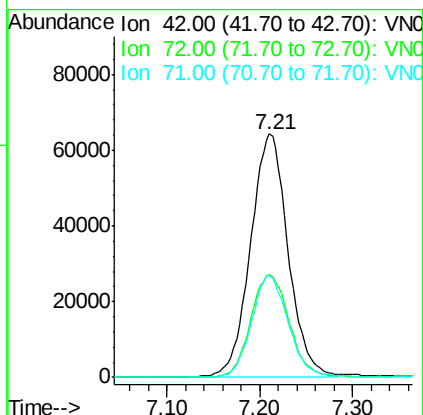
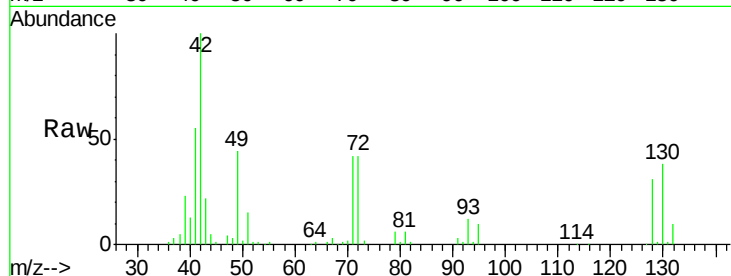




#29
Tetrahydrofuran
Concen: 103.688 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

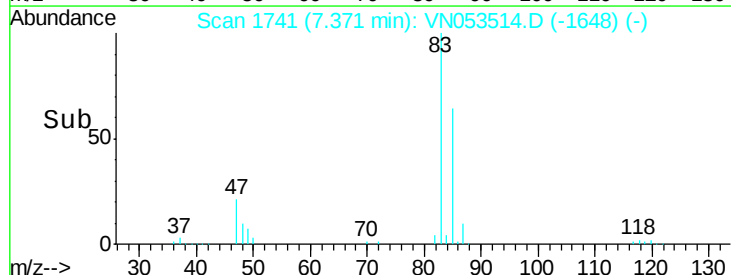
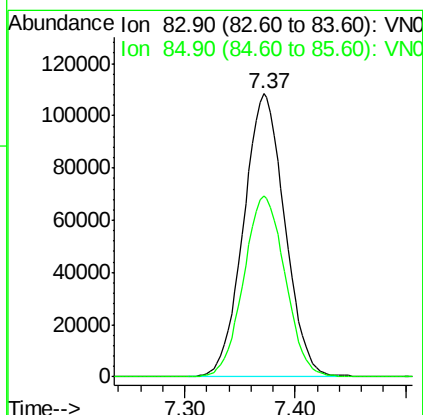
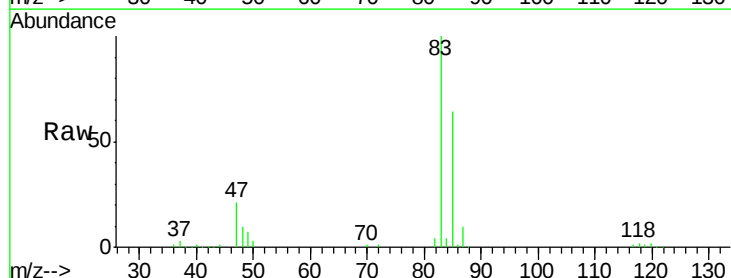
Instrument :
MSVOA_N
ClientSampleId :
VN0122WBS01

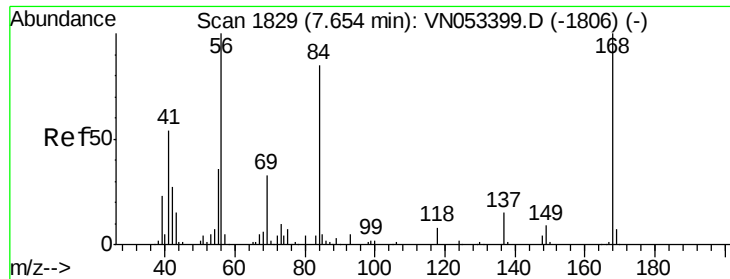
Tot Ion: 42 Resp: 181962
Ion Ratio Lower Upper
42 100
72 43.0 35.2 52.8
71 41.2 33.0 49.4



#30
Chloroform
Concen: 21.380 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Tgt Ion: 83 Resp: 280442
Ion Ratio Lower Upper
83 100
85 64.1 52.2 78.2





#31

Cyclohexane

Concen: 19.579 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBS01

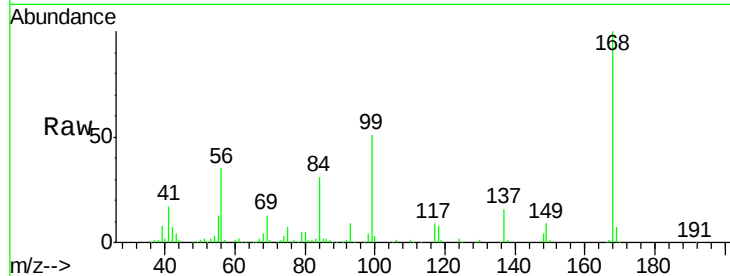
Tot Ion: 56 Resp: 258310

Ion Ratio Lower Upper

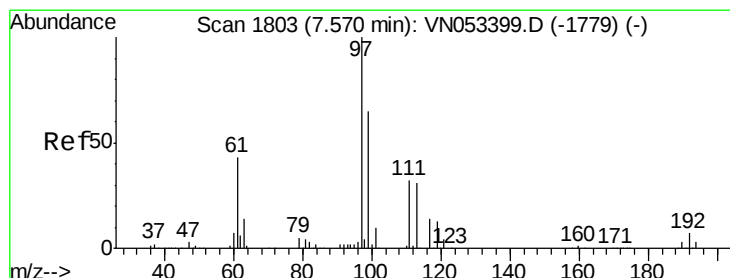
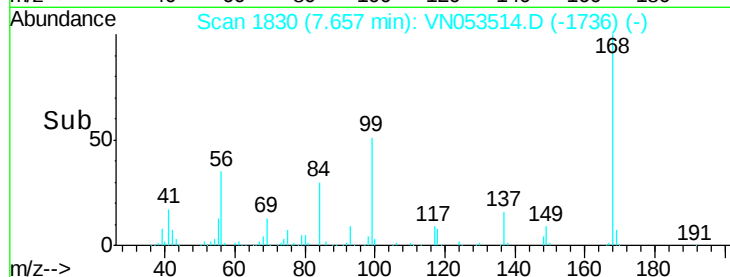
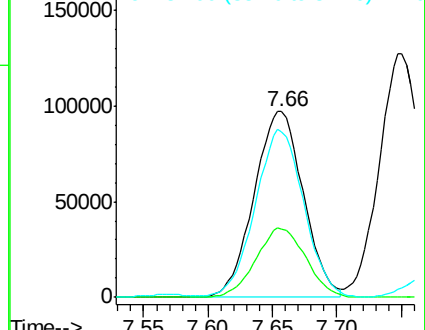
56 100

69 37.0 26.4 39.6

84 88.1 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: 20.599 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

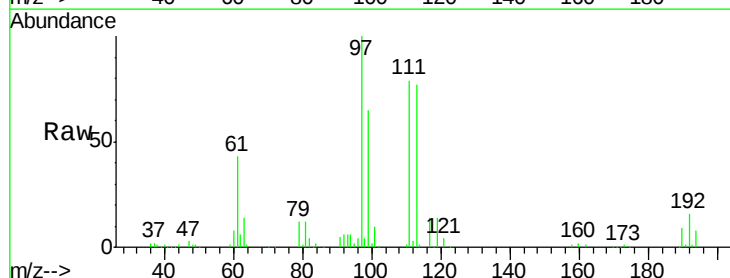
Tgt Ion: 97 Resp: 229202

Ion Ratio Lower Upper

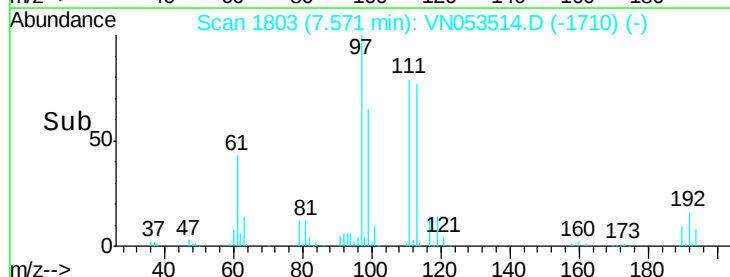
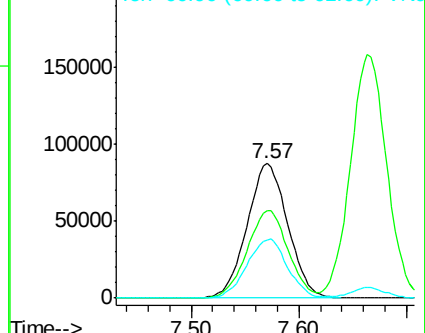
97 100

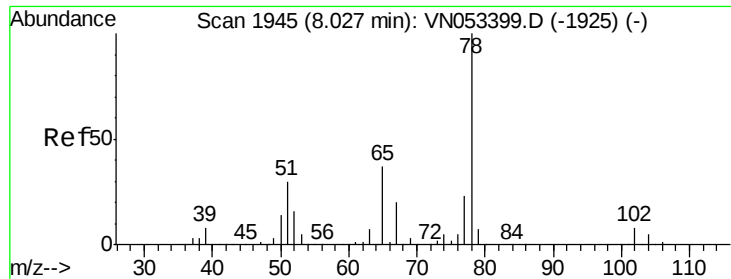
99 65.2 52.0 78.0

61 43.6 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: 20.599 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

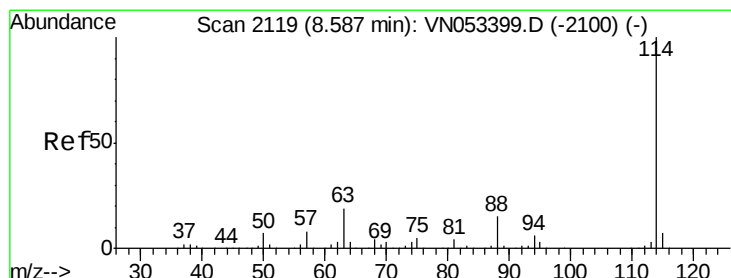
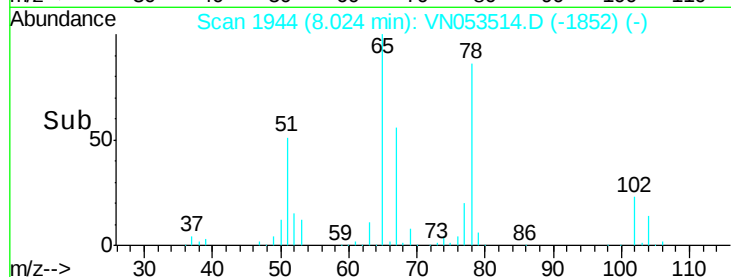
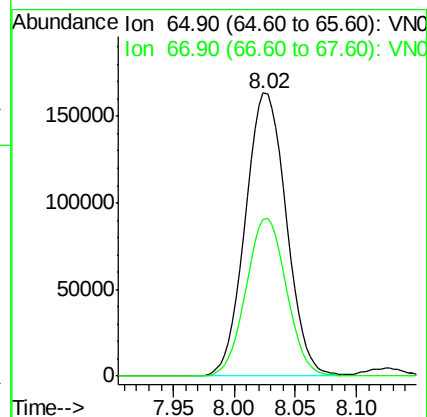
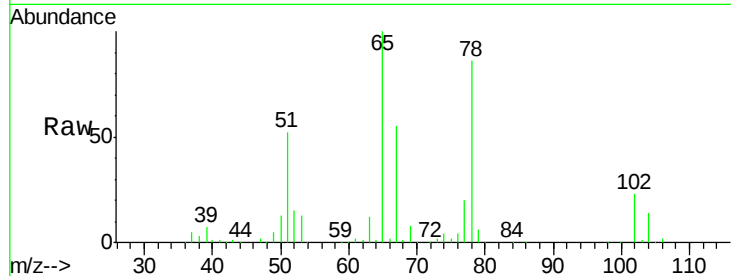
VN0122WBS01

Tot Ion: 65 Resp: 380882

Ion Ratio Lower Upper

65 100

67 54.9 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

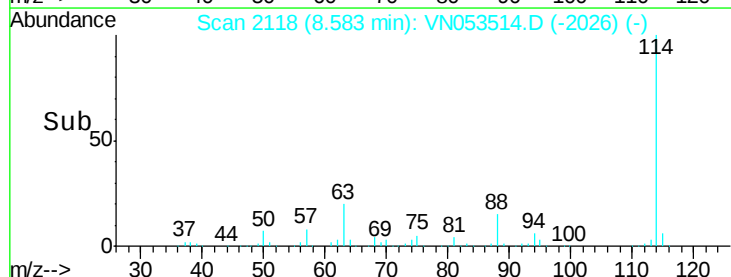
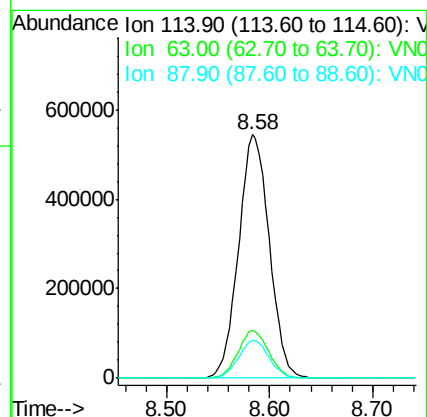
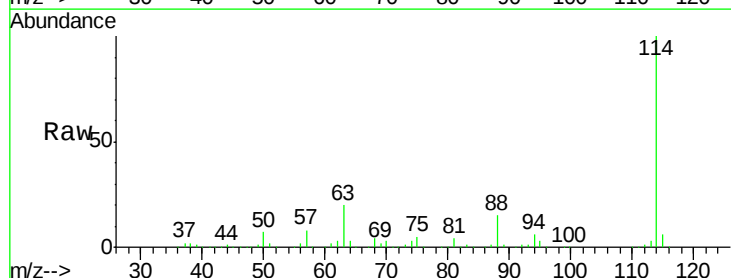
Tgt Ion: 114 Resp: 1129733

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

88 15.4 0.0 30.4

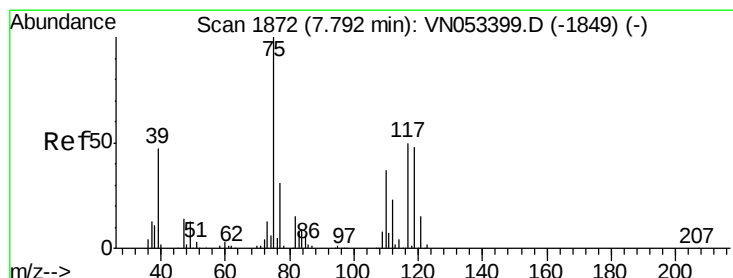
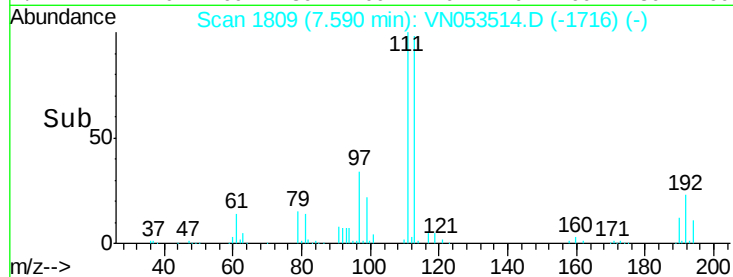
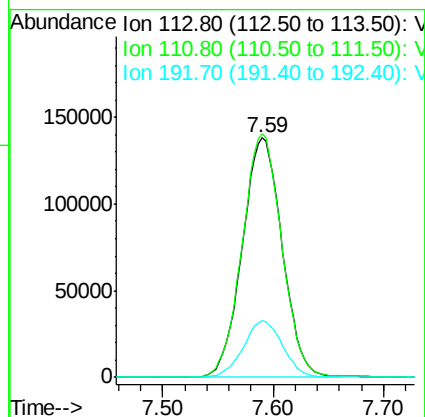
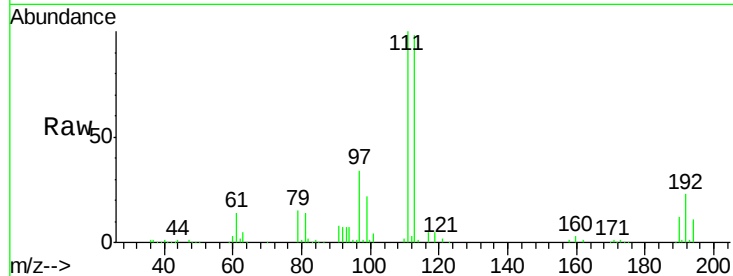




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

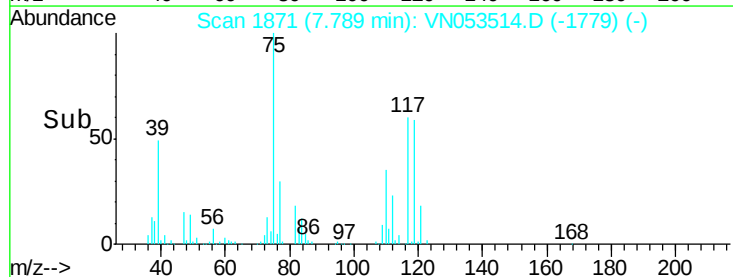
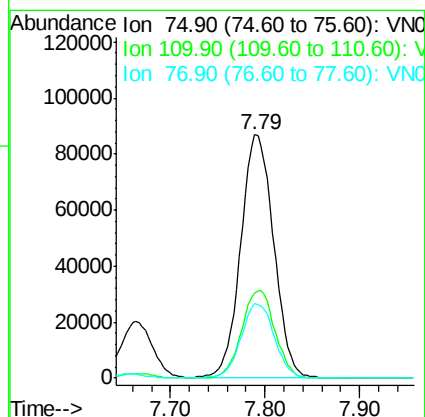
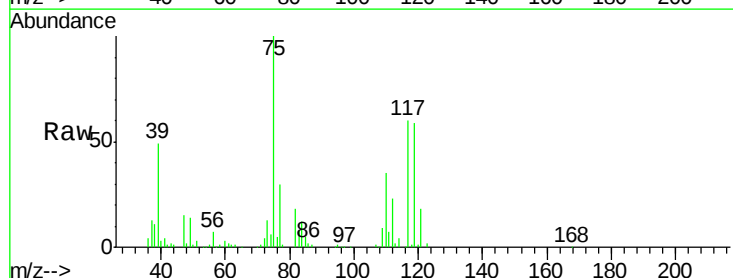
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBS01

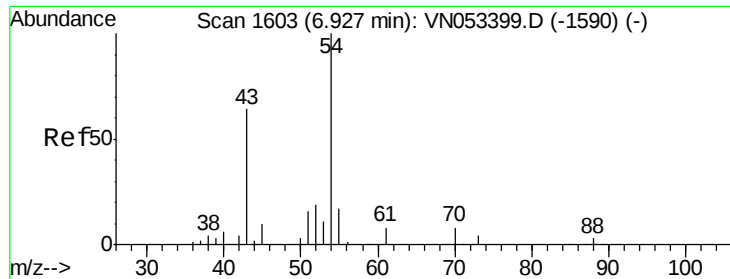
Tot Ion:113 Resp: 346146
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.1 121.7
 192 23.4 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 20.391 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

Tgt Ion: 75 Resp: 209794
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.1 54.3
 77 31.1 25.1 37.7

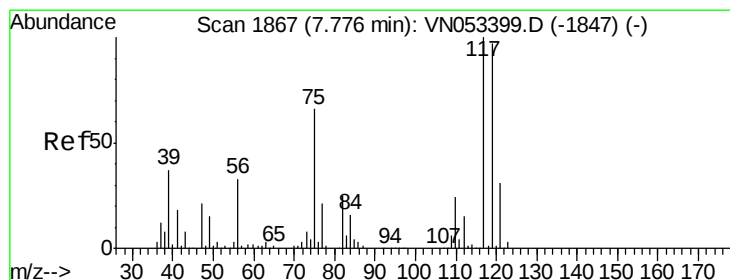
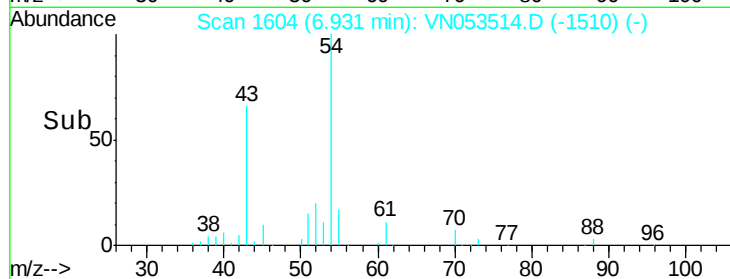
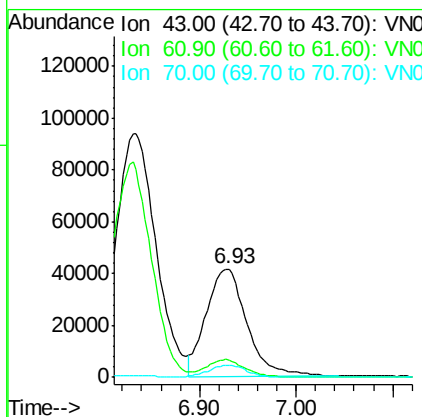
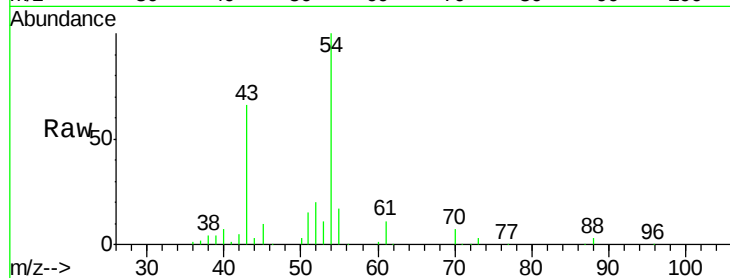




#37
Ethyl Acetate
Concen: 20.515 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

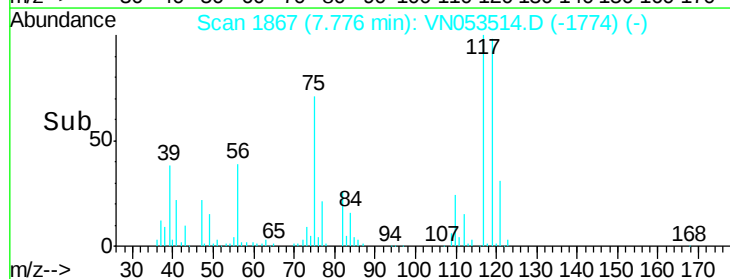
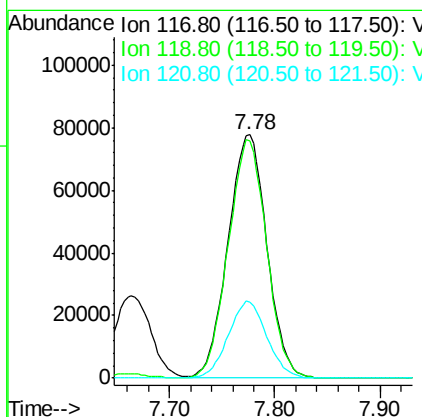
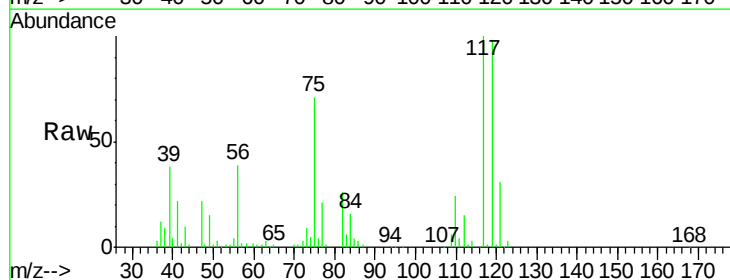
Instrument :
MSVOA_N
ClientSampleId :
VN0122WBS01

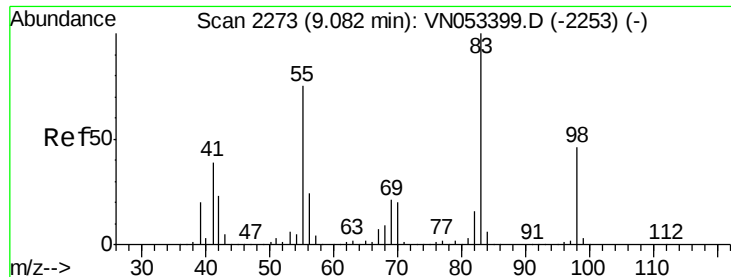
Tot Ion: 43 Resp: 121437
Ion Ratio Lower Upper
43 100
61 14.2 11.8 17.6
70 10.7 8.6 12.8



#38
Carbon Tetrachloride
Concen: 20.418 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Tgt Ion: 117 Resp: 198880
Ion Ratio Lower Upper
117 100
119 97.6 77.2 115.8
121 31.0 24.6 37.0

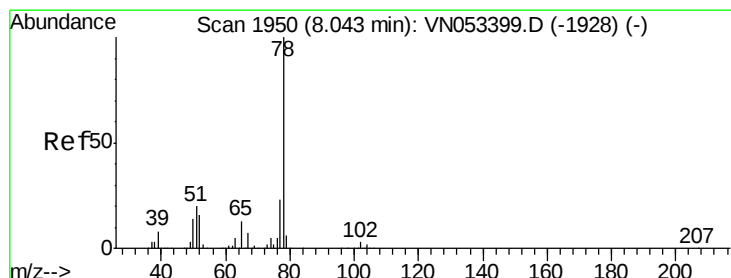
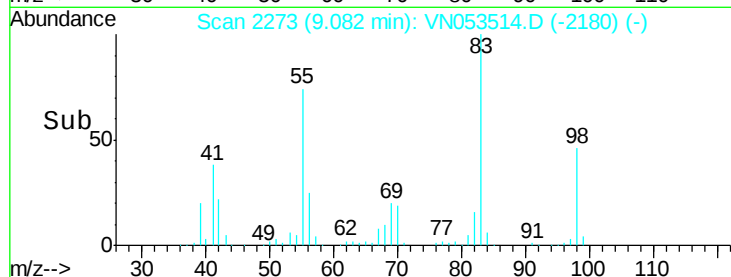
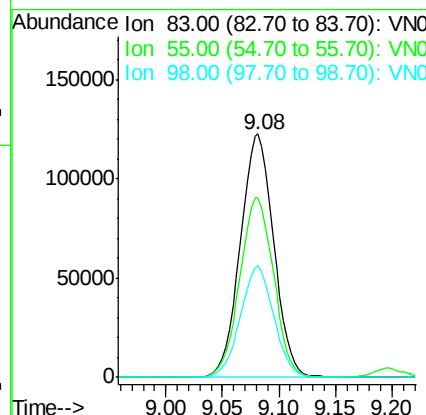
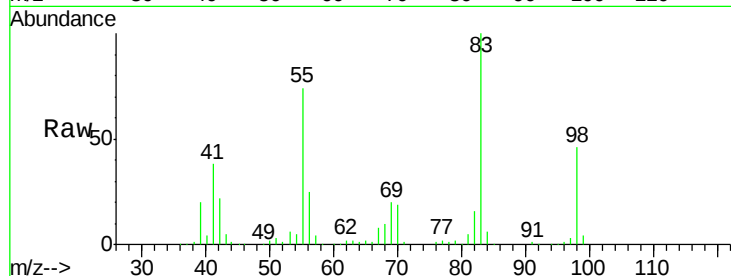




#39
Methvlcvclohexane
Concen: 19.818 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

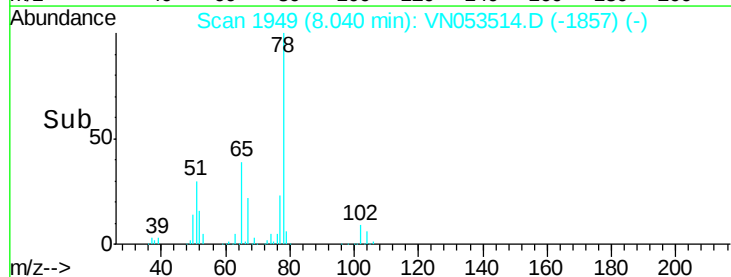
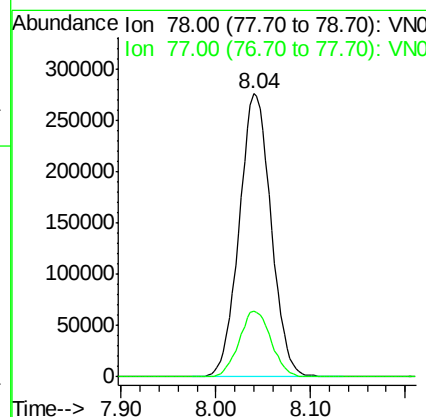
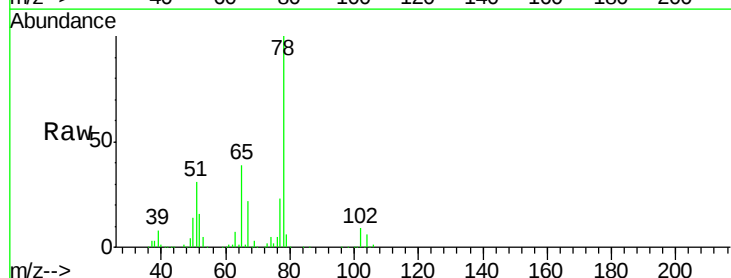
Instrument :
MSVOA_N
ClientSampleId :
VN0122WBS01

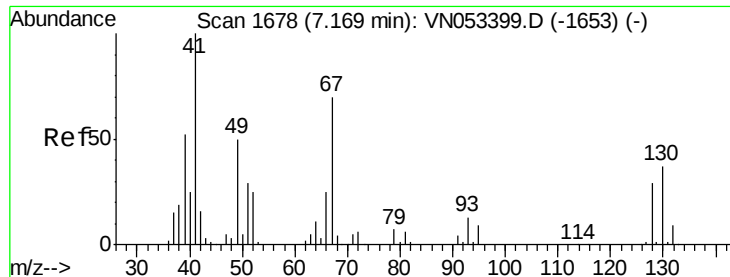
Tot Ion: 83 Resp: 252017
Ion Ratio Lower Upper
83 100
55 73.7 60.1 90.1
98 45.7 36.6 55.0



#40
Benzene
Concen: 20.645 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Tgt Ion: 78 Resp: 645471
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

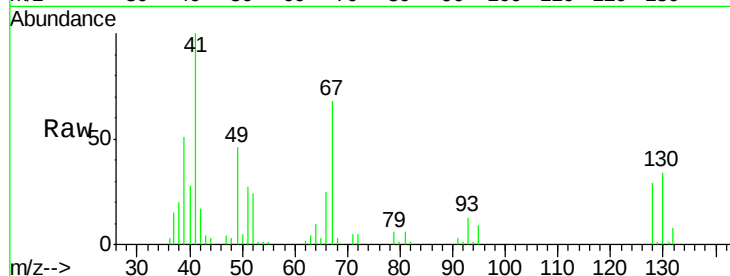




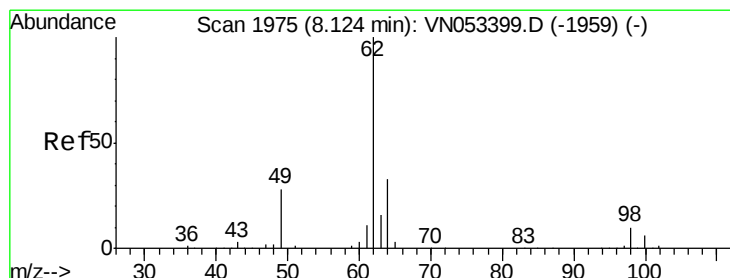
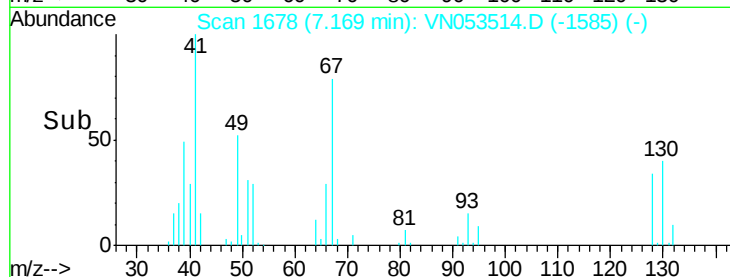
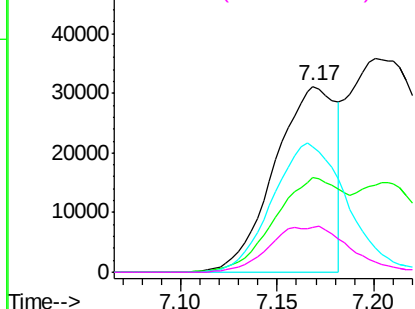
#41
Methacrylonitrile
Concen: 19.950 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Instrument :
MSVOA_N
ClientSampled :
VN0122WBS01

Tot Ion: 41 Resp: 68740
Ion Ratio Lower Upper
41 100
39 58.0 46.8 70.2
67 85.7 63.0 94.6
52 32.5 23.8 35.8

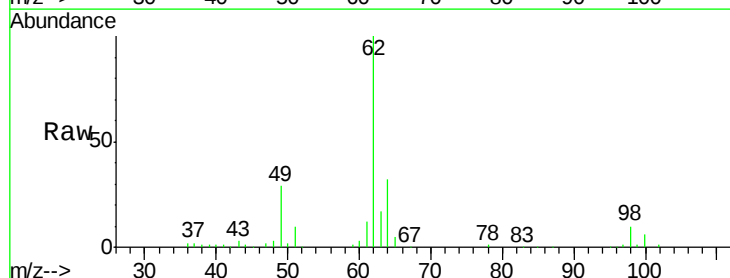


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

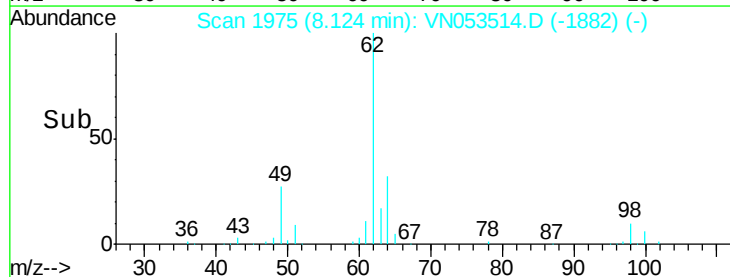
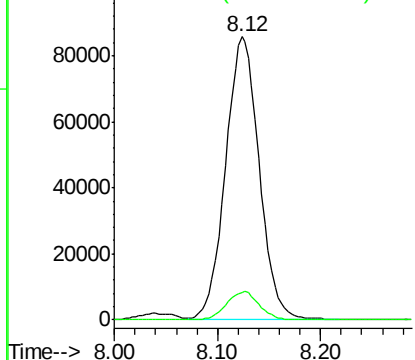


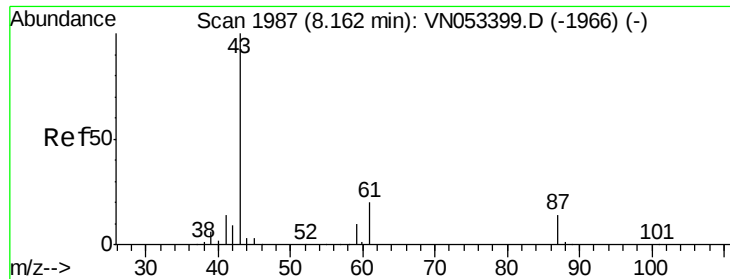
#42
1,2-Dichloroethane
Concen: 21.260 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Tgt Ion: 62 Resp: 193646
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.6



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



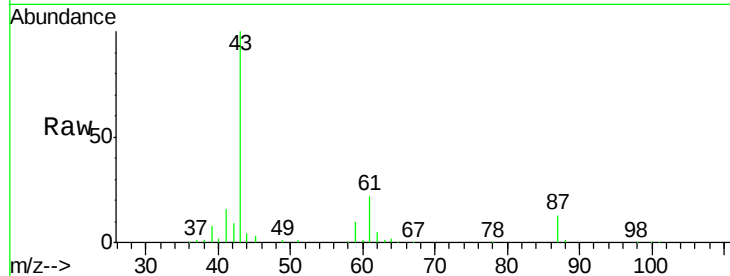


#43

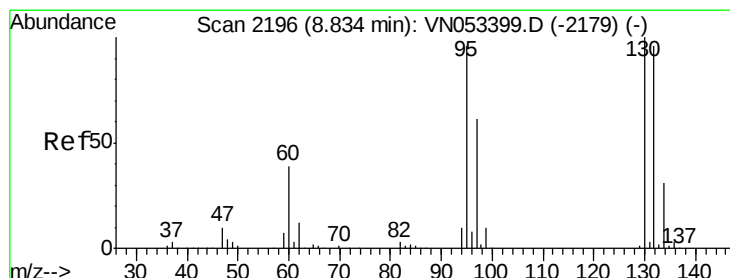
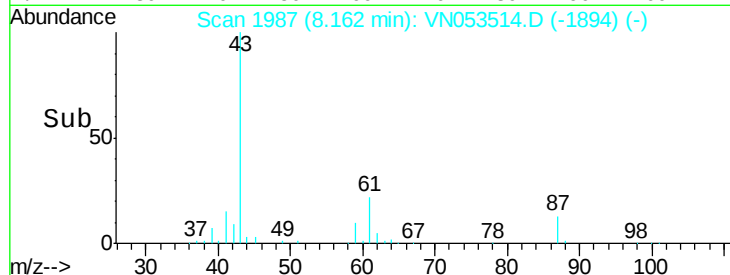
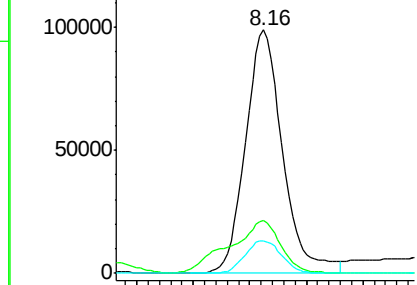
Isopropyl Acetate
 Concen: 21.105 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0122WBS01

Tot Ion: 43 Resp: 224638
 Ion Ratio Lower Upper
 43 100
 61 29.8 23.9 35.9
 87 13.4 11.0 16.6



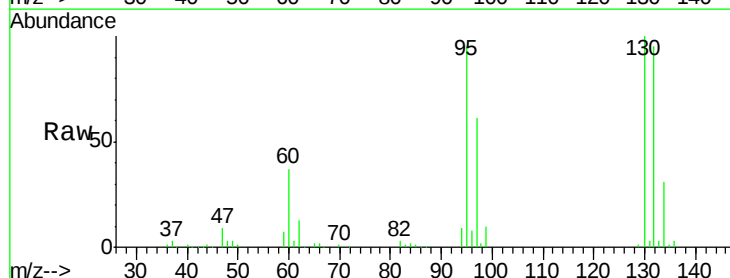
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



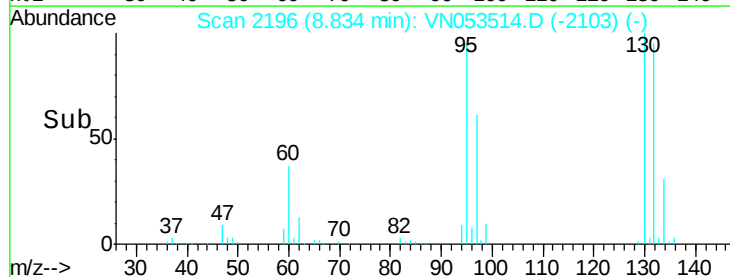
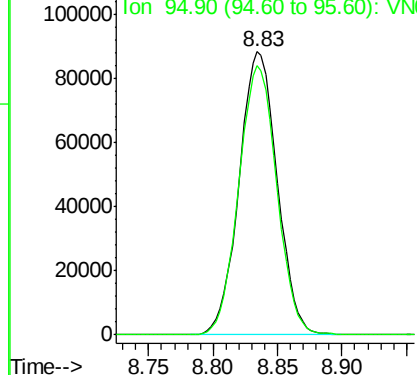
#44

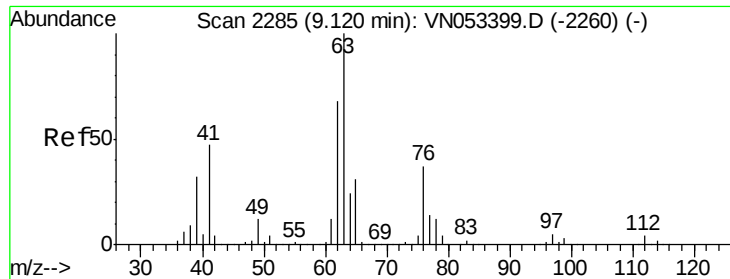
Trichloroethene
 Concen: 20.942 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

Tgt Ion: 130 Resp: 181571
 Ion Ratio Lower Upper
 130 100
 95 95.0 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 21.126 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

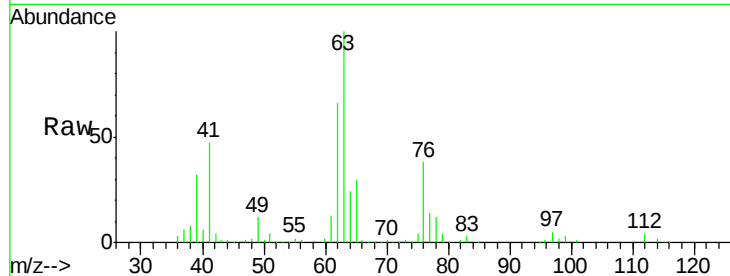
VN0122WBS01

Tot Ion: 63 Resp: 174951

Ion Ratio Lower Upper

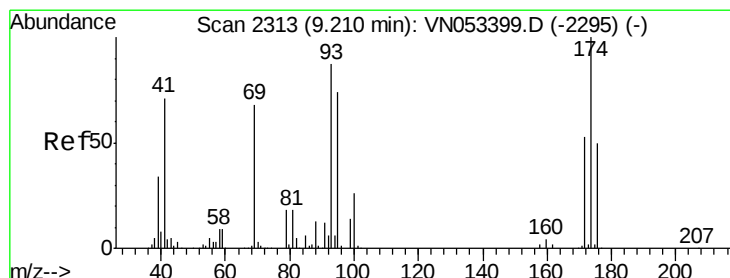
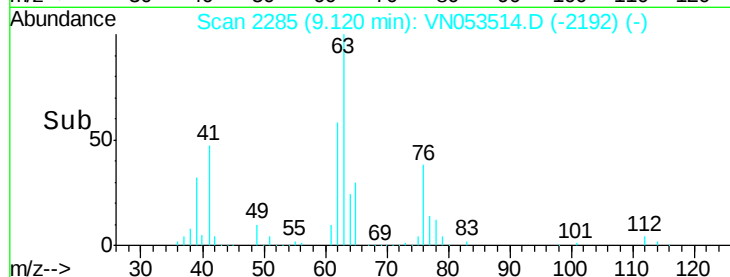
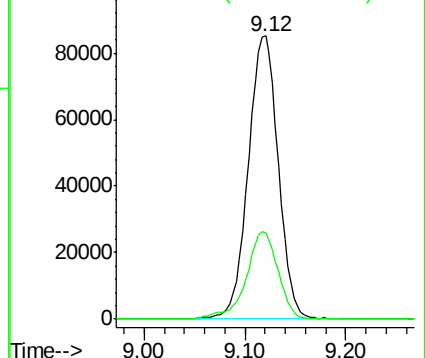
63 100

65 30.4 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.564 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

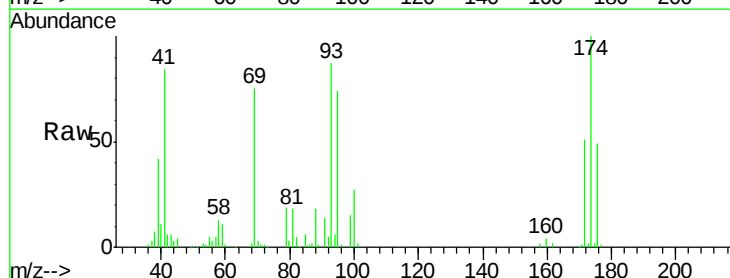
Tgt Ion: 93 Resp: 97842

Ion Ratio Lower Upper

93 100

95 84.7 67.3 100.9

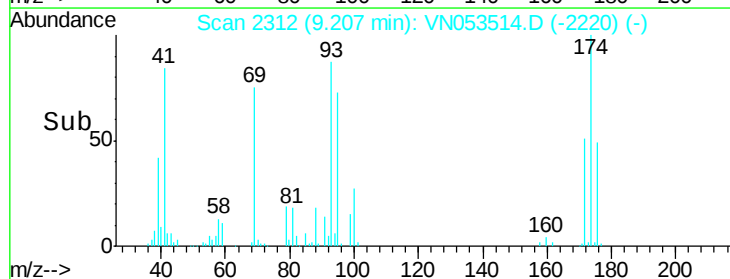
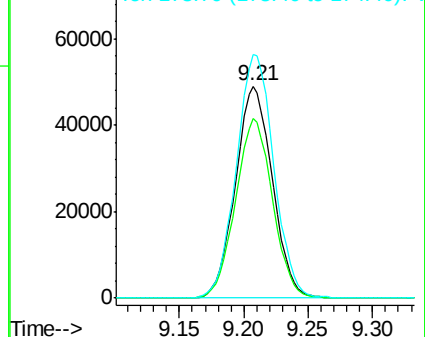
174 116.6 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.966 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

VN0122WBS01

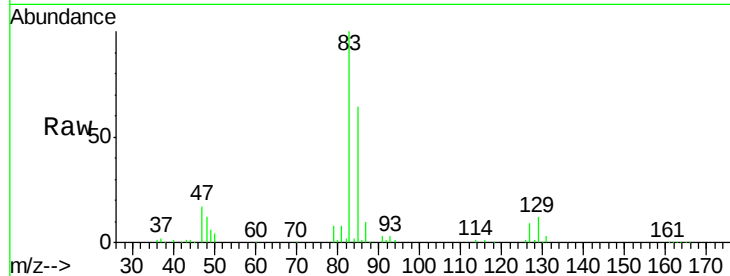
Tot Ion: 83 Resp: 209776

Ion Ratio Lower Upper

83 100

85 63.8 51.0 76.6

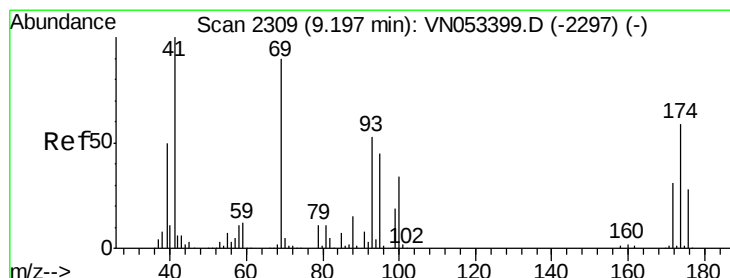
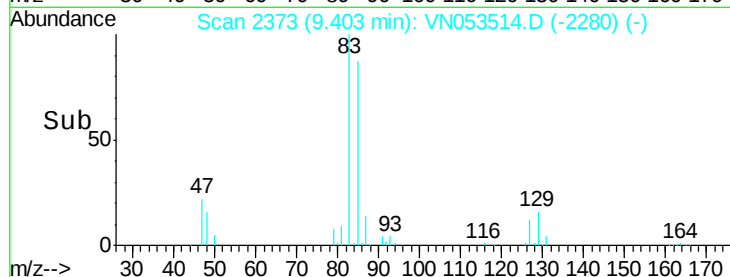
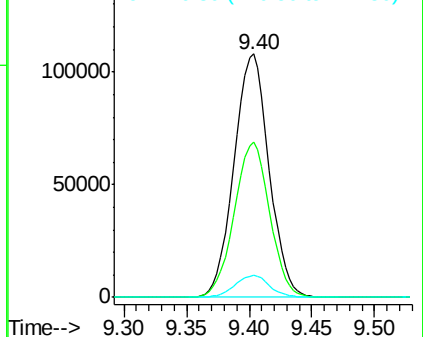
127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053514.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053514.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053514.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.446 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

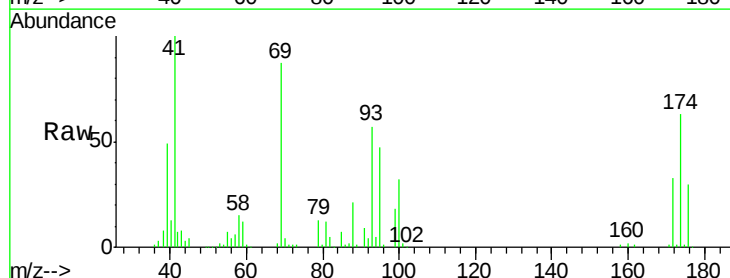
Tgt Ion: 41 Resp: 112362

Ion Ratio Lower Upper

41 100

69 91.1 73.8 110.6

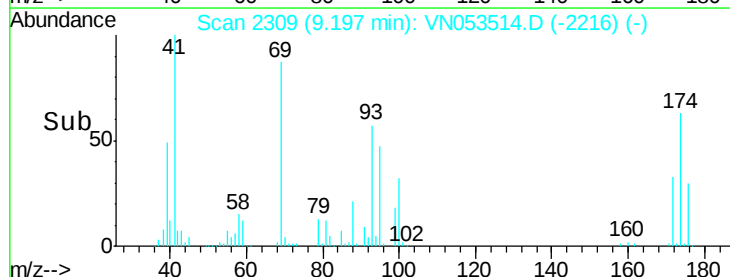
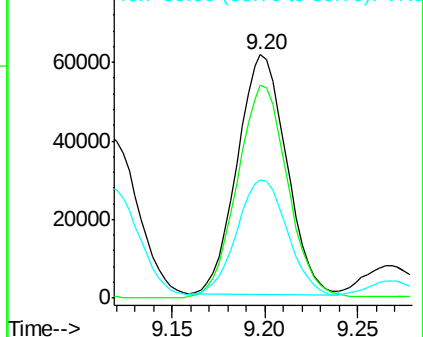
39 52.3 40.0 60.0

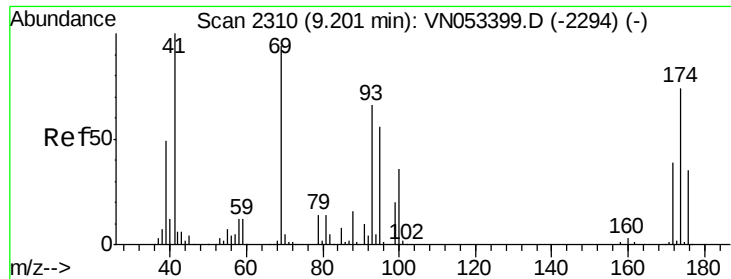


Abundance Ion 41.00 (40.70 to 41.70): VN053514.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053514.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053514.D (-2216) (-)

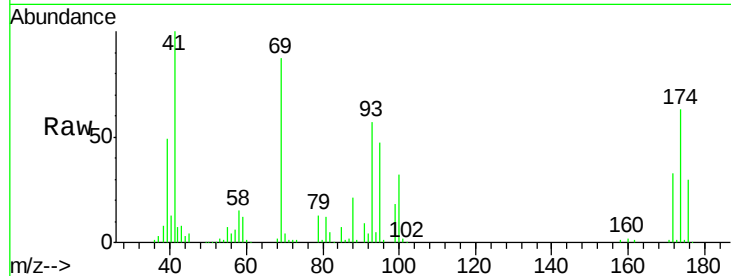




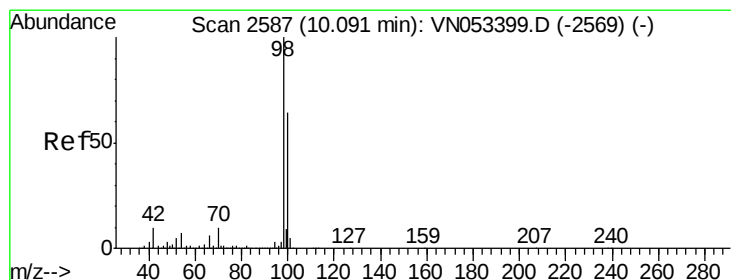
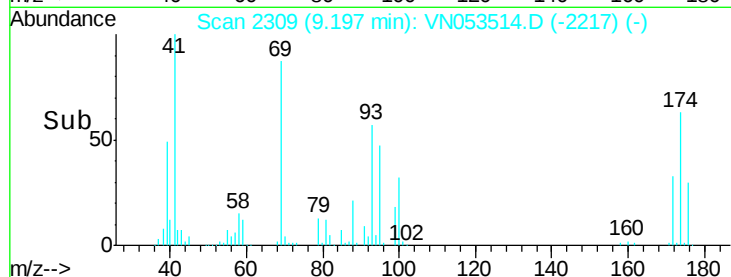
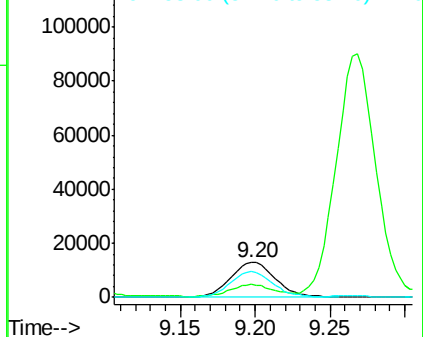
#49
1,4-Dioxane
Concen: 502.597 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBS01

Tot Ion: 88 Resp: 26975
Ion Ratio Lower Upper
88 100
43 32.4 27.8 41.6
58 71.1 56.5 84.7

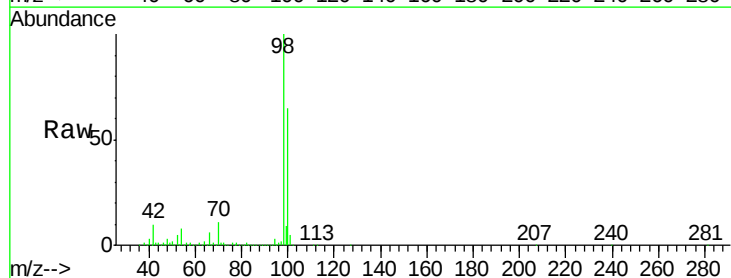


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

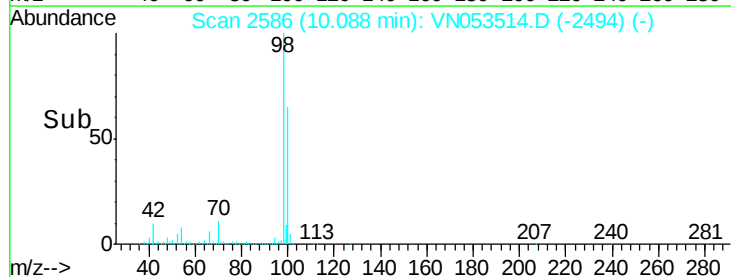
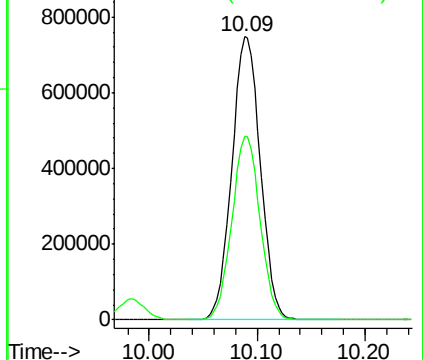


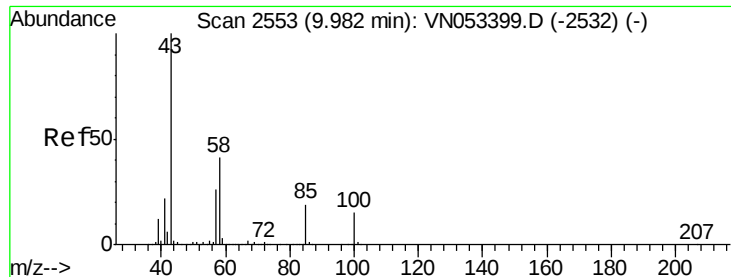
#50
Toluene-d8
Concen: 502.597 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Tgt Ion: 98 Resp: 1377635
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



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

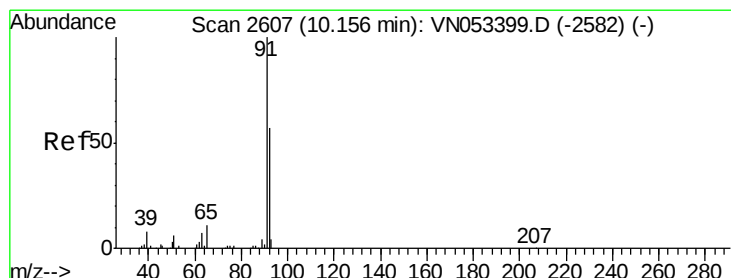
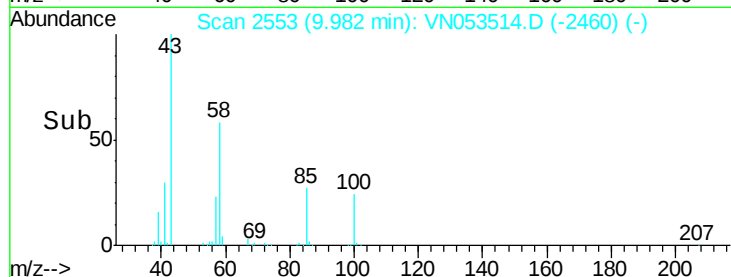
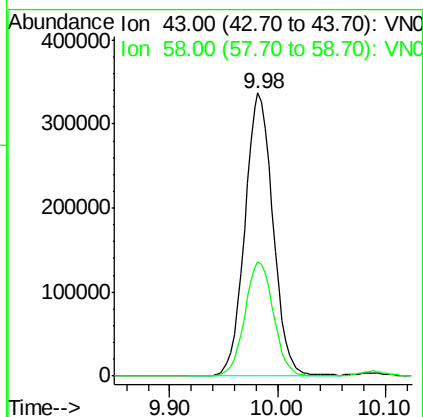
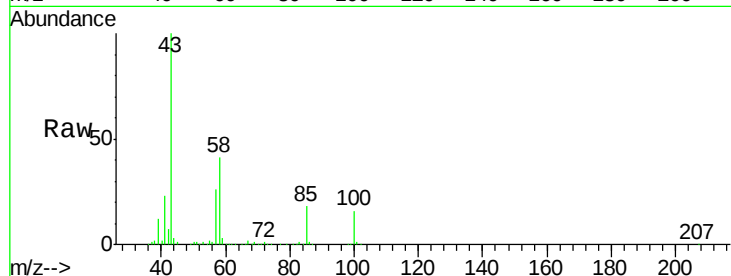




#51
 4-Methyl-2-Pentanone
 Concen: 104.535 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

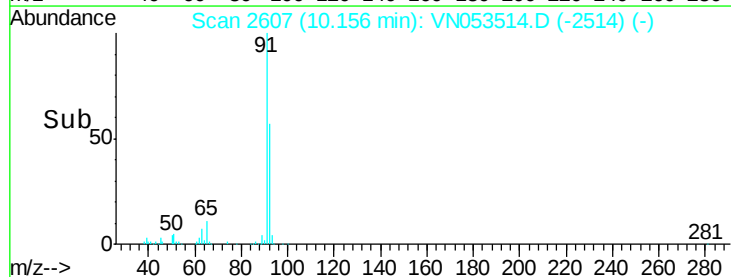
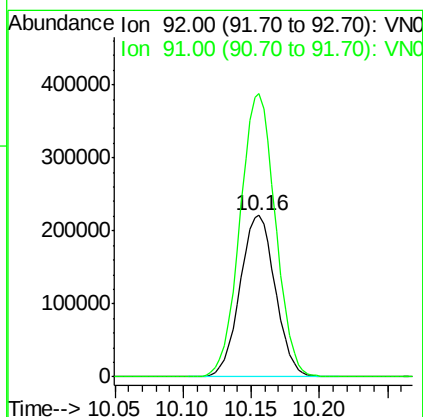
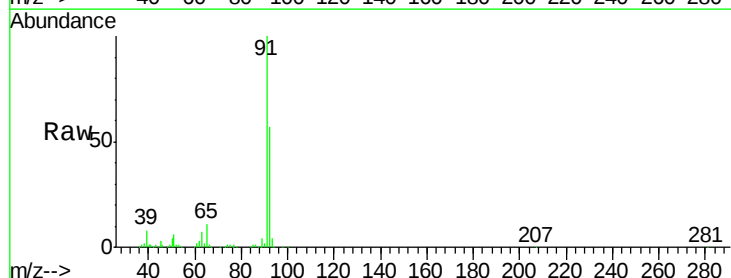
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBS01

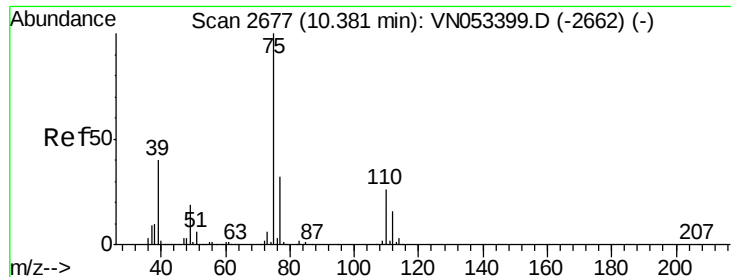
Tot Ion: 43 Resp: 607384
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.8 49.2



#52
 Toluene
 Concen: 20.501 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

Tgt Ion: 92 Resp: 397929
 Ion Ratio Lower Upper
 92 100
 91 175.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 20.553 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

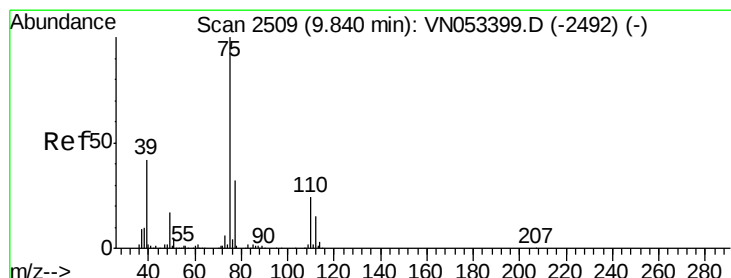
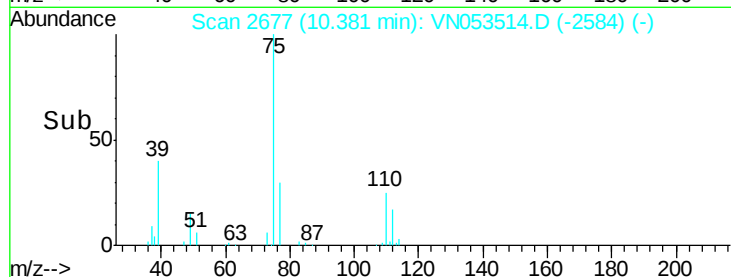
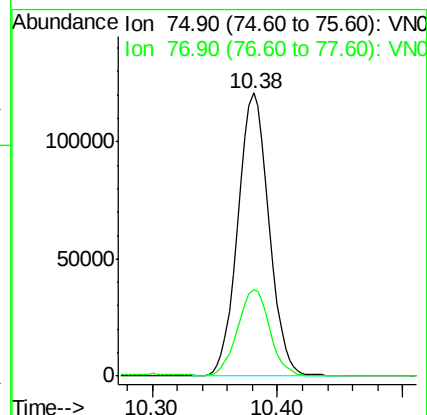
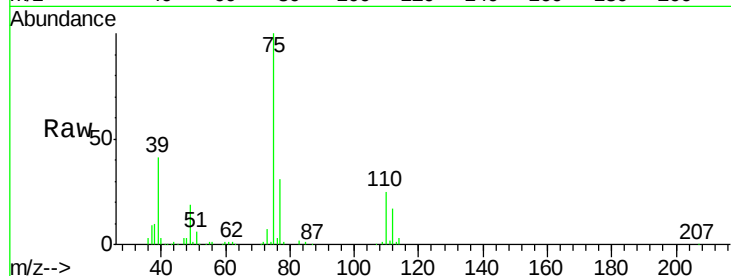
VN0122WBS01

Tot Ion: 75 Resp: 208447

Ion Ratio Lower Upper

75 100

77 30.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.970 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

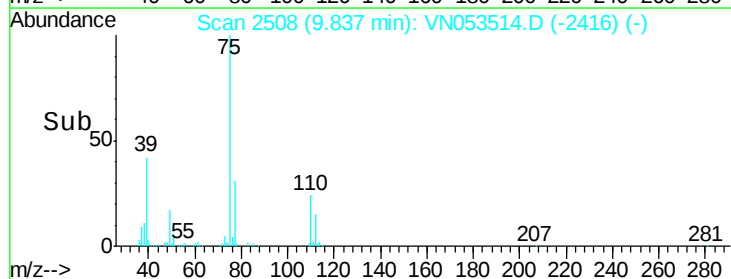
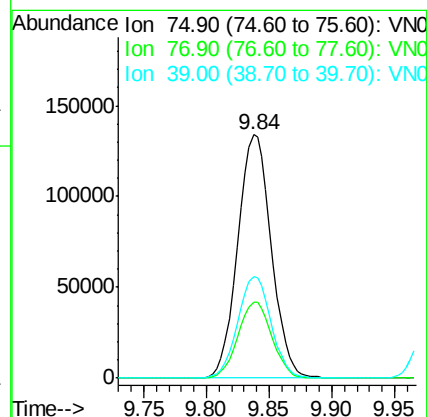
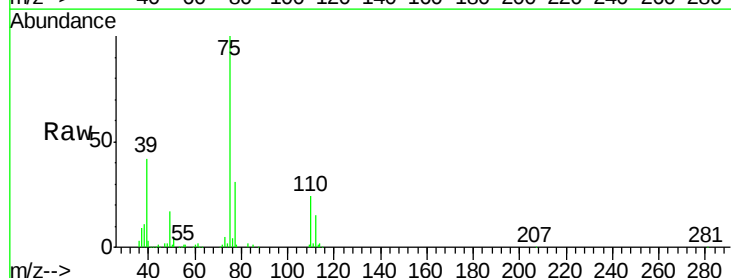
Tgt Ion: 75 Resp: 249313

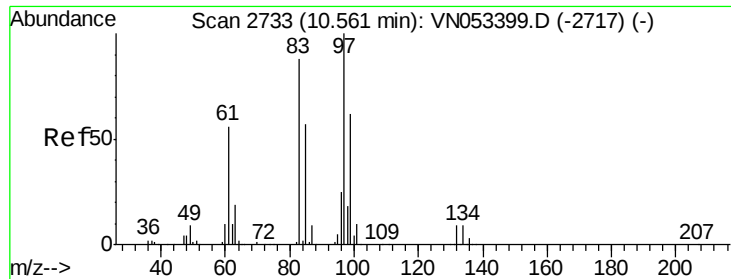
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6

39 41.9 33.4 50.0



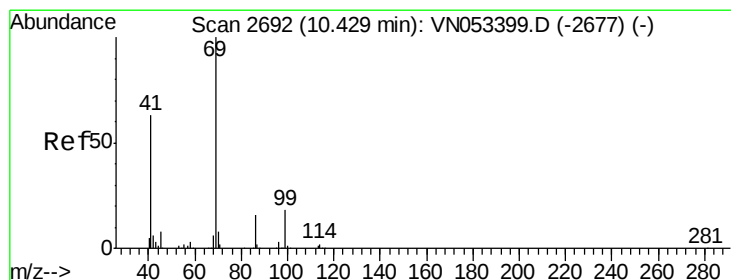
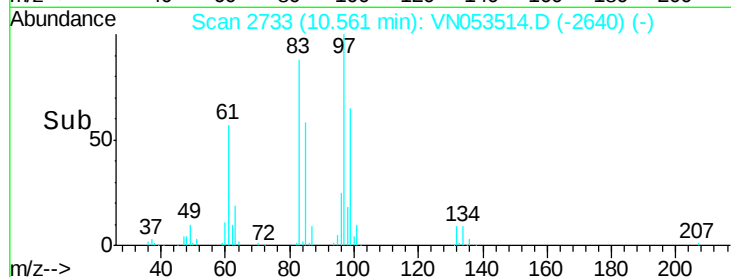
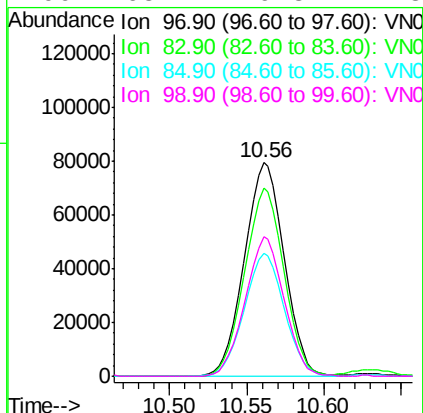
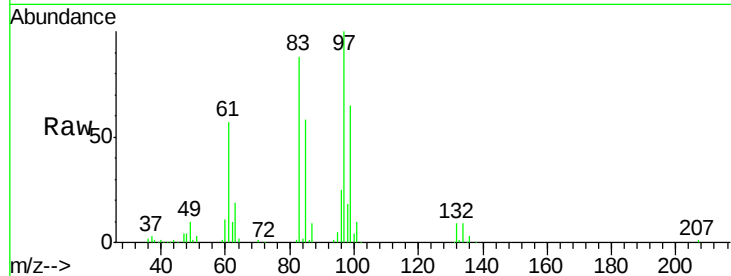


#55
 1,1,2-Trichloroethane
 Concen: 21.354 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBS01

Tot Ion: 97 Resp: 142898

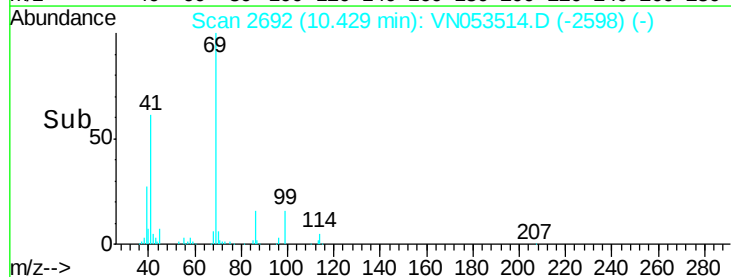
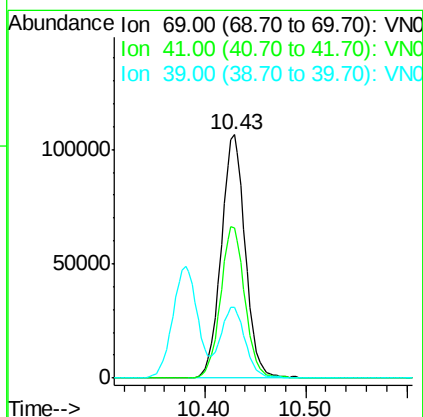
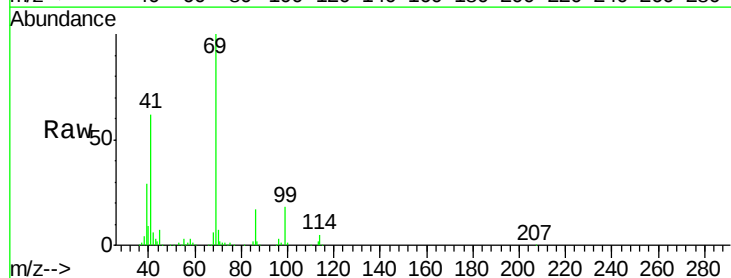
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.1	105.1
85	57.6	45.4	68.0
99	65.1	49.8	74.8

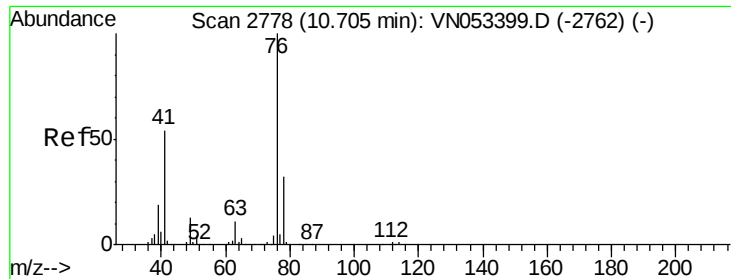


#56
 Ethyl methacrylate
 Concen: 19.912 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

Tgt Ion: 69 Resp: 176835

Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.4	74.0
39	28.9	23.3	34.9

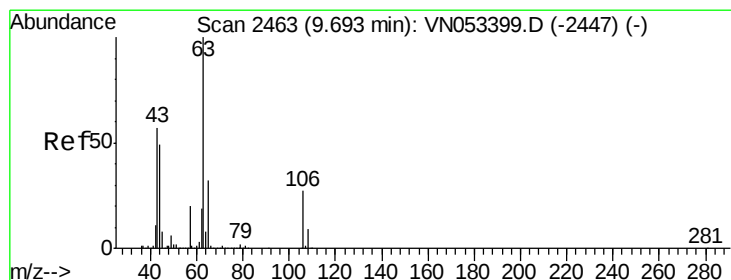
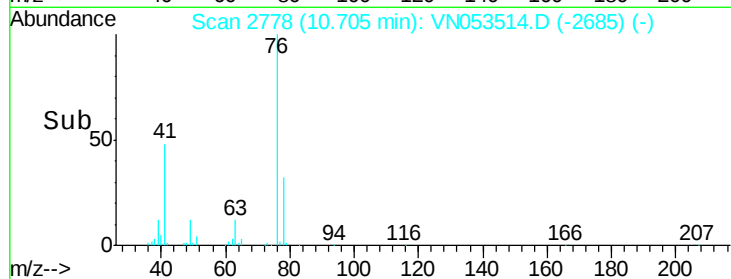
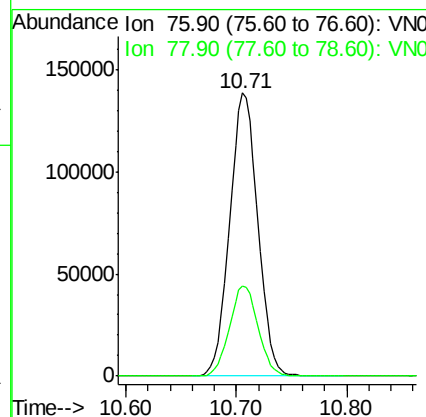
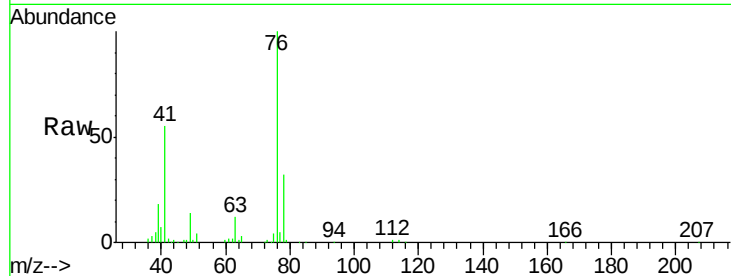




#57
 1,3-Dichloropropane
 Concen: 21.107 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

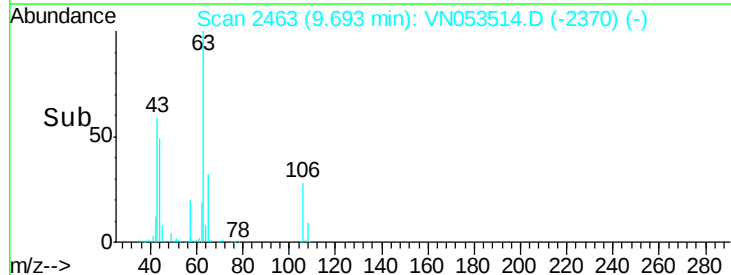
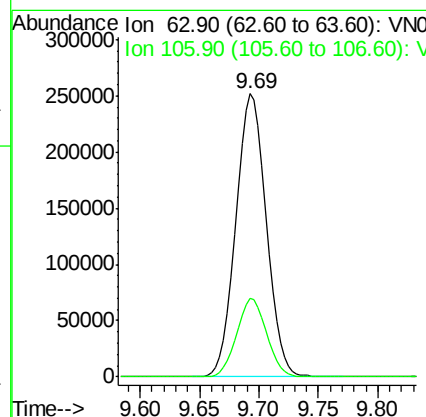
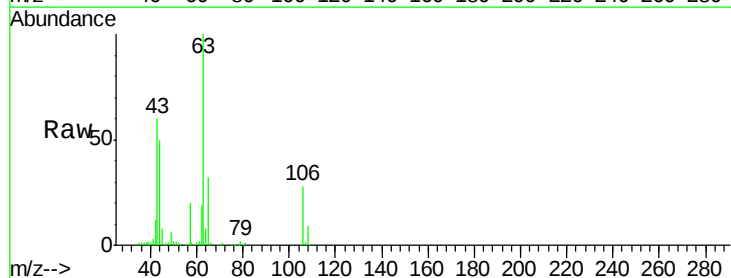
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBS01

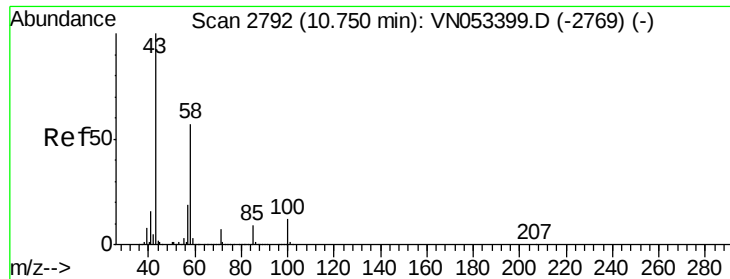
Tot Ion: 76 Resp: 244340
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.483 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

Tgt Ion: 63 Resp: 447012
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.5 32.3

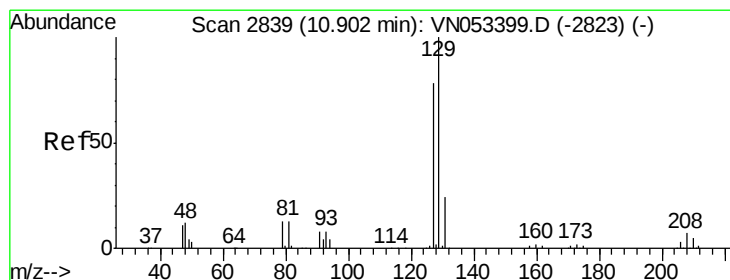
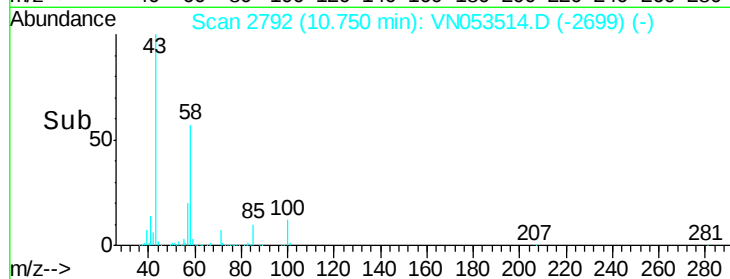
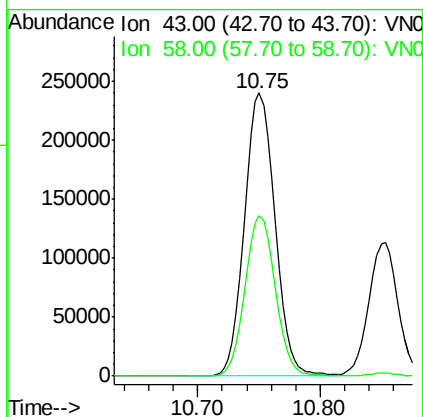
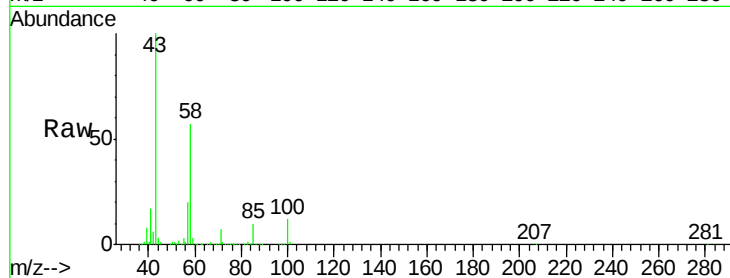




#59
2-Hexanone
Concen: 100.859 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

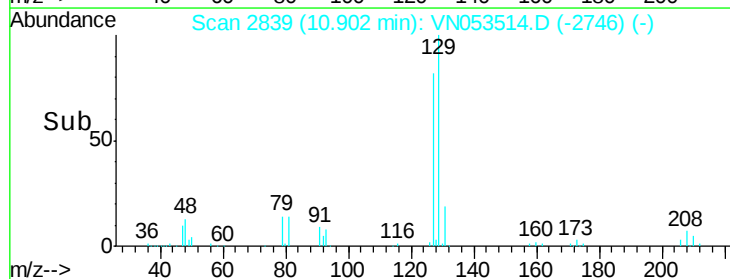
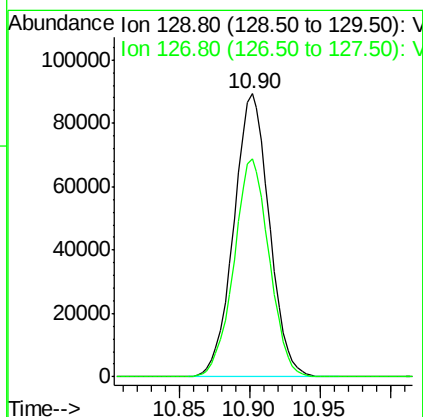
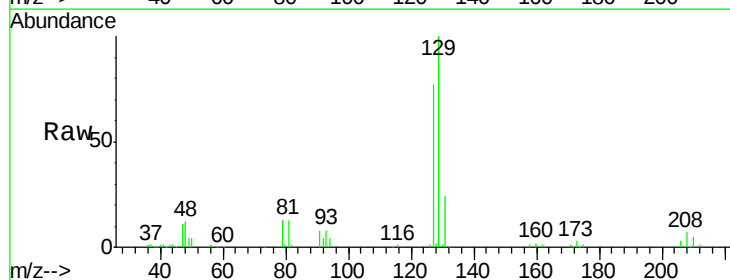
Instrument :
MSVOA_N
ClientSampled :
VN0122WBS01

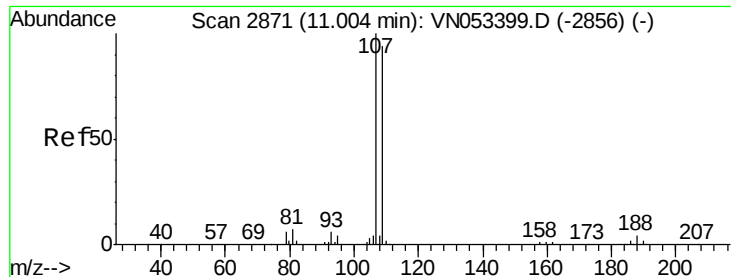
Tot Ion: 43 Resp: 411382
Ion Ratio Lower Upper
43 100
58 56.4 28.6 85.8



#60
Dibromochloromethane
Concen: 20.750 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Tgt Ion:129 Resp: 157491
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.742 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

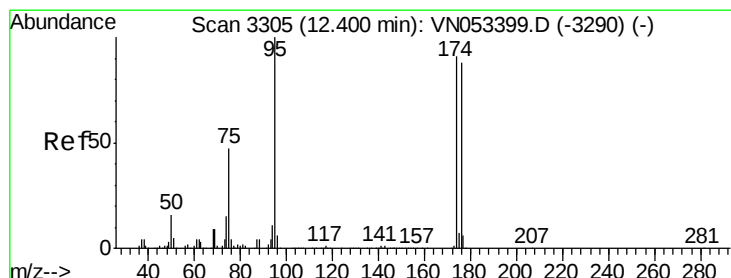
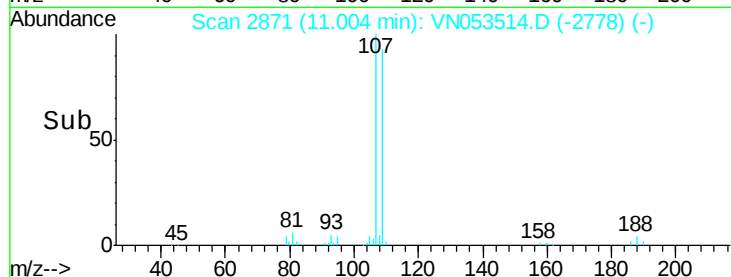
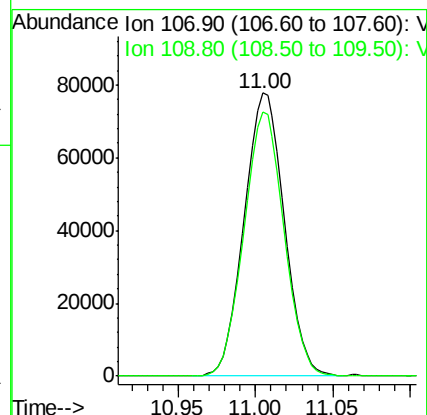
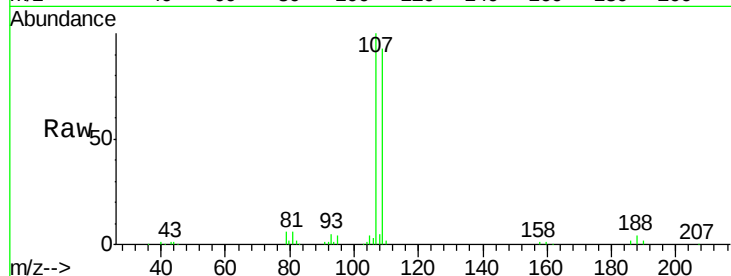
VN0122WBS01

Tot Ion:107 Resp: 140380

Ion Ratio Lower Upper

107 100

109 93.4 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 20.742 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

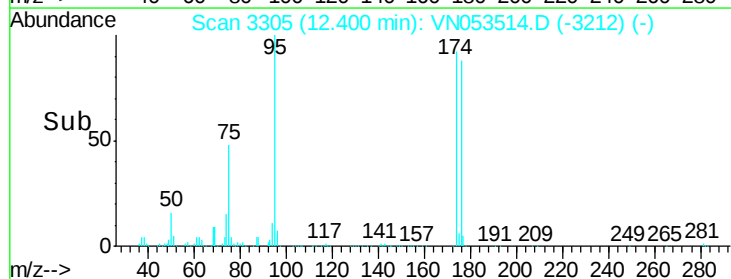
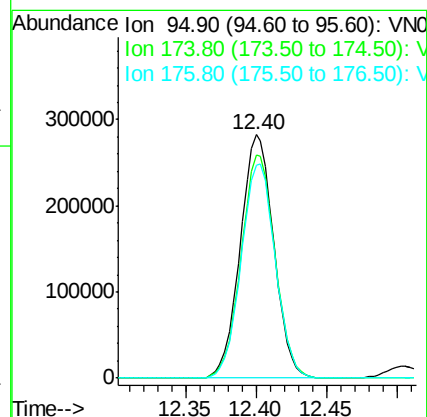
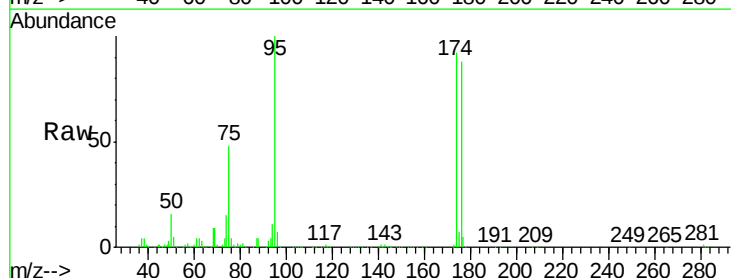
Tgt Ion: 95 Resp: 469878

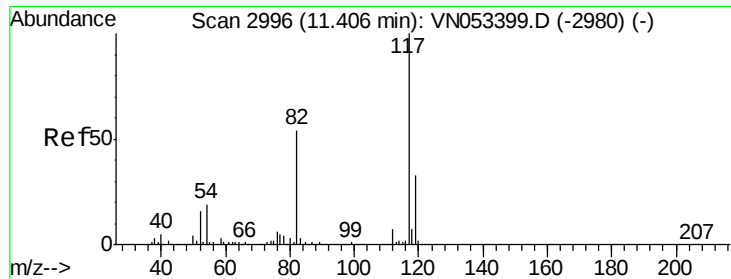
Ion Ratio Lower Upper

95 100

174 92.7 0.0 183.2

176 89.7 0.0 177.4

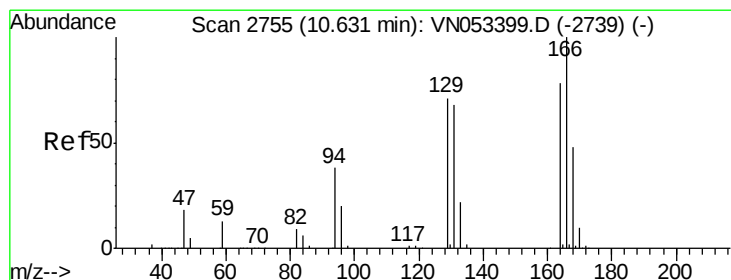
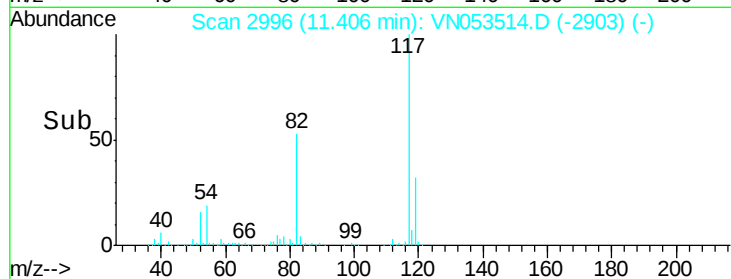
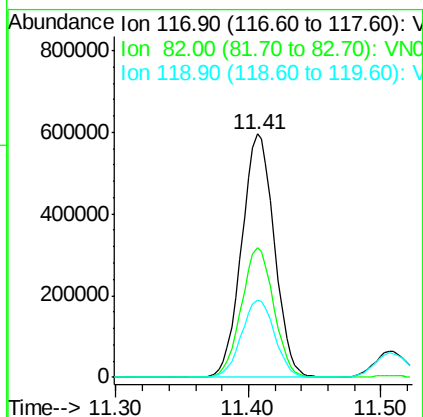
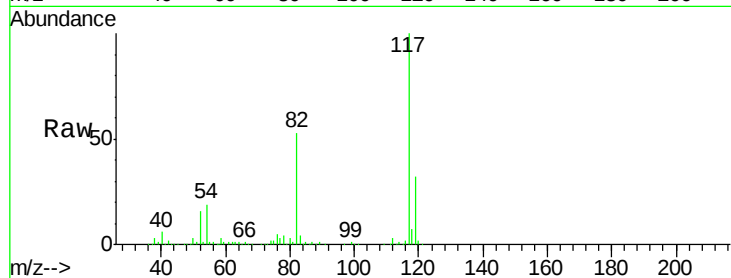




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

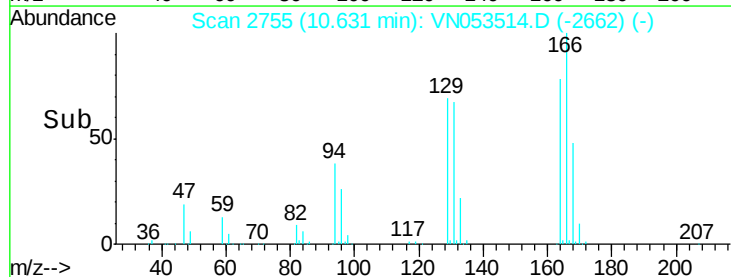
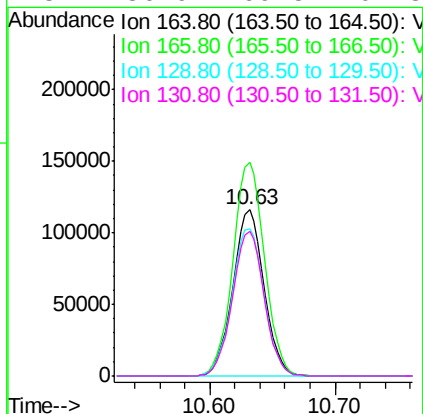
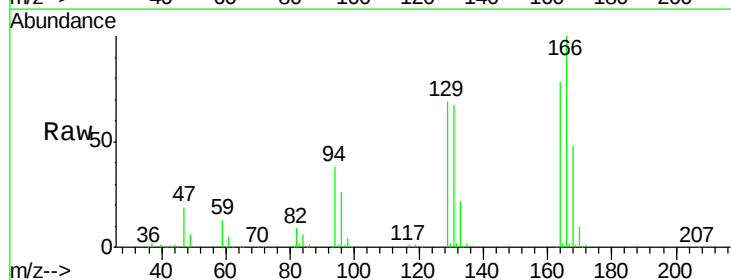
Instrument :
MSVOA_N
ClientSampleId :
VN0122WBS01

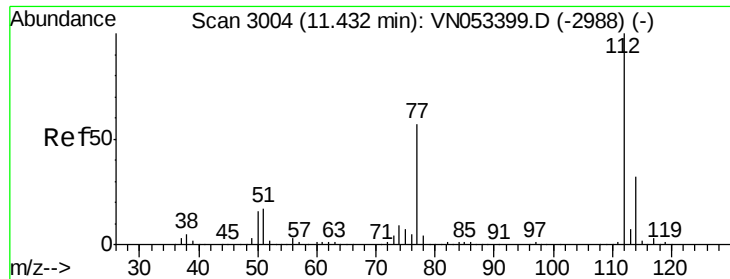
Tot Ion:117 Resp: 1018283
Ion Ratio Lower Upper
117 100
82 53.4 42.9 64.3
119 31.7 26.0 39.0



#64
Tetrachloroethene
Concen: 20.832 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Tgt Ion:164 Resp: 199911
Ion Ratio Lower Upper
164 100
166 128.8 102.2 153.4
129 88.9 72.6 109.0
131 86.9 69.5 104.3

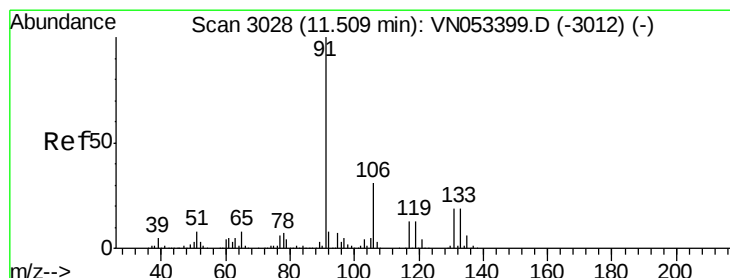
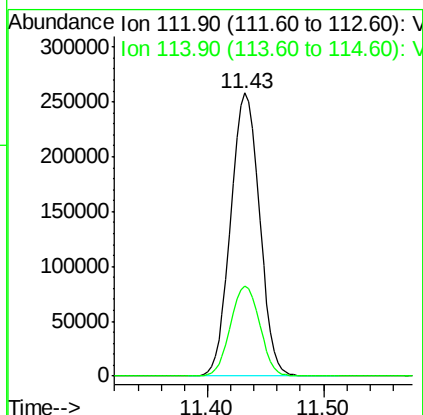
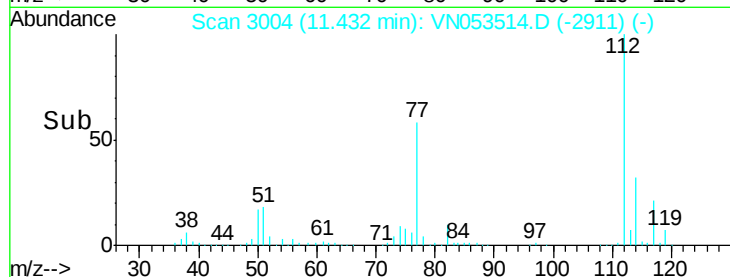
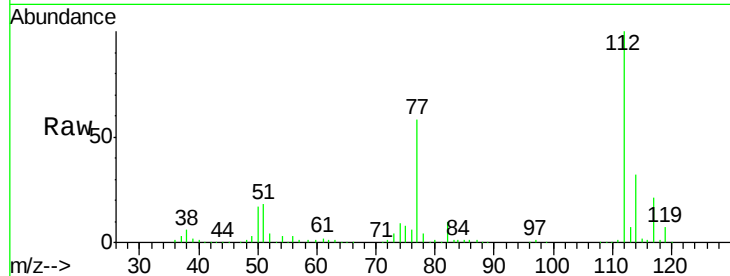




#65
Chlorobenzene
Concen: 20.590 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

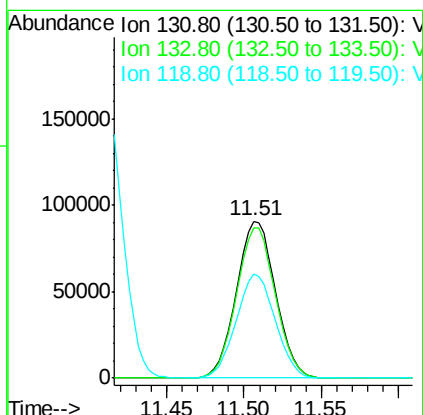
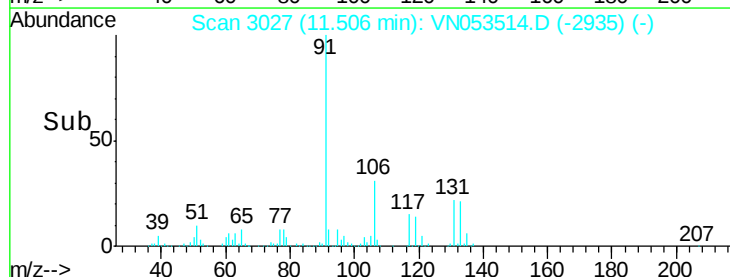
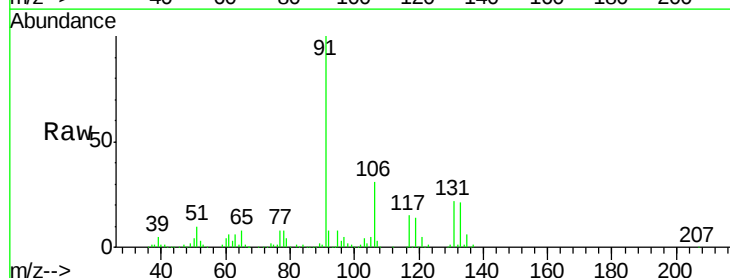
Instrument :
MSVOA_N
ClientSampleId :
VN0122WBS01

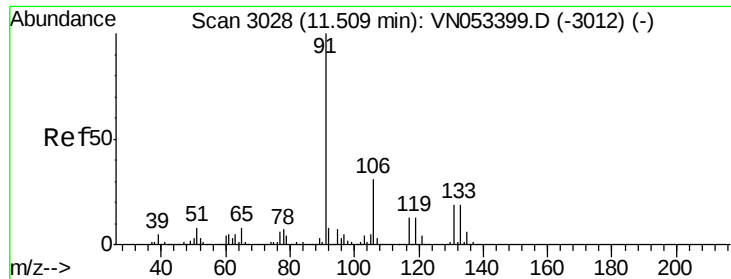
Tot Ion:112 Resp: 443783
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.260 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Tgt Ion:131 Resp: 159409
Ion Ratio Lower Upper
131 100
133 95.2 48.0 144.0
119 66.2 33.5 100.5





#67

Ethyl Benzene

Concen: 20.552 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

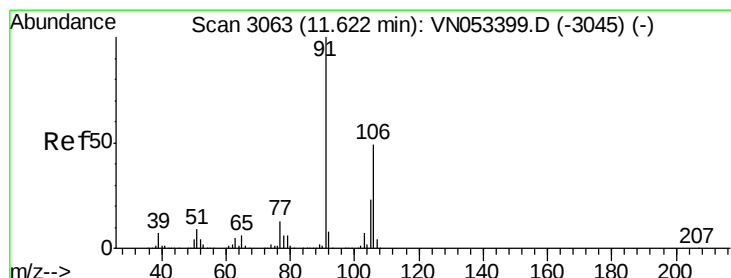
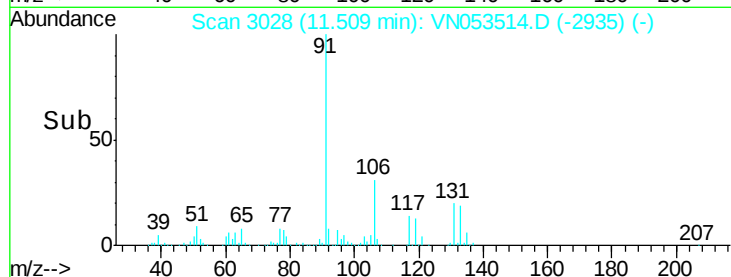
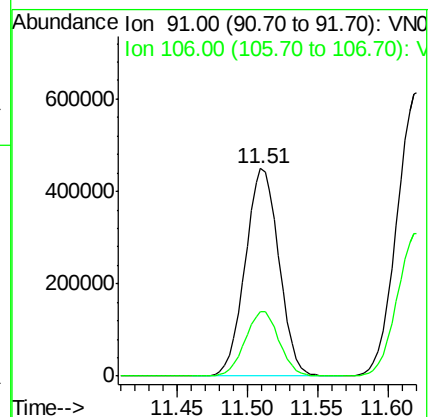
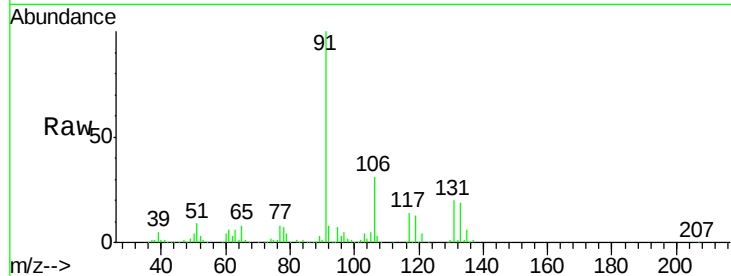
VN0122WBS01

Tot Ion: 91 Resp: 754915

Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.6



#68

m/p-Xylenes

Concen: 42.142 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053514.D

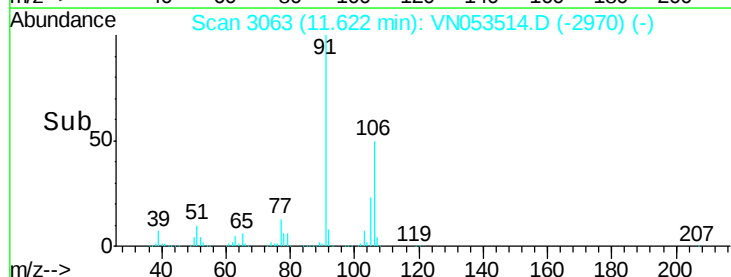
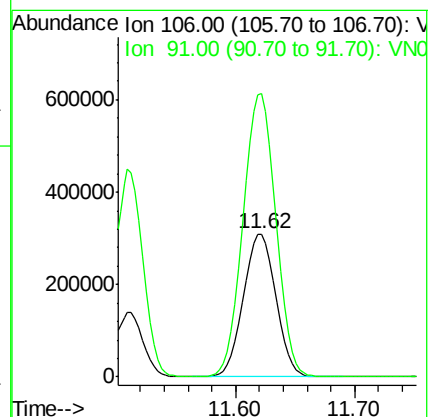
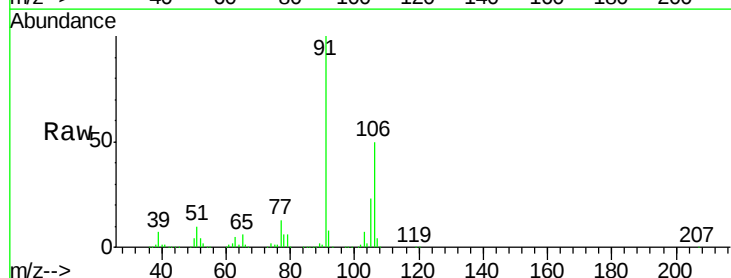
Acq: 22 Jan 2019 12:56

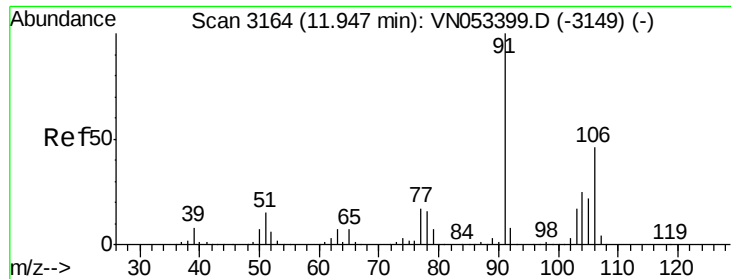
Tgt Ion: 106 Resp: 584449

Ion Ratio Lower Upper

106 100

91 199.9 161.4 242.2

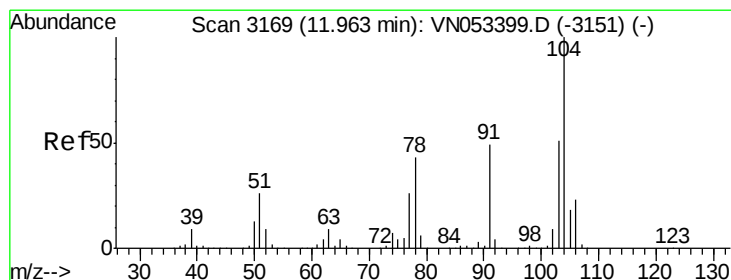
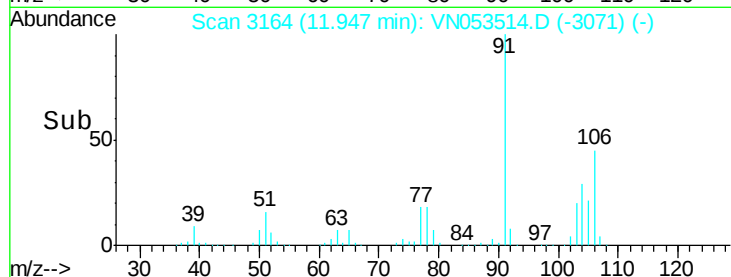
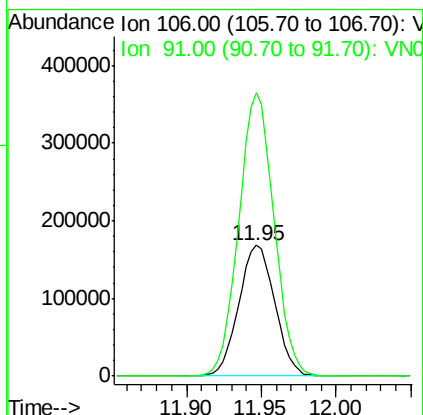
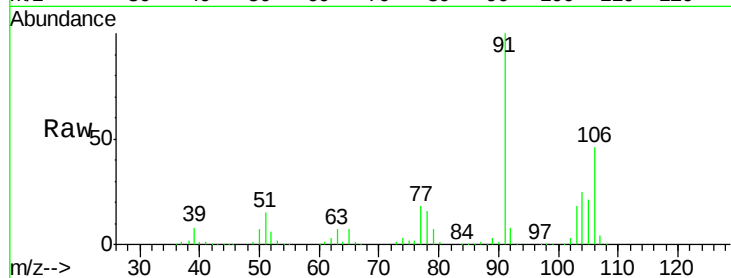




#69
o-Xylene
Concen: 20.895 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

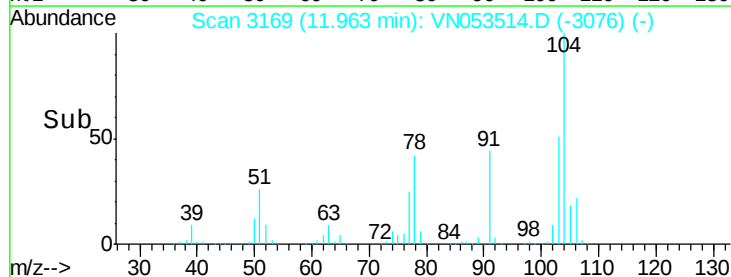
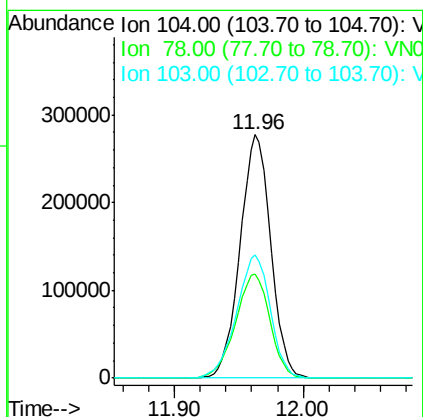
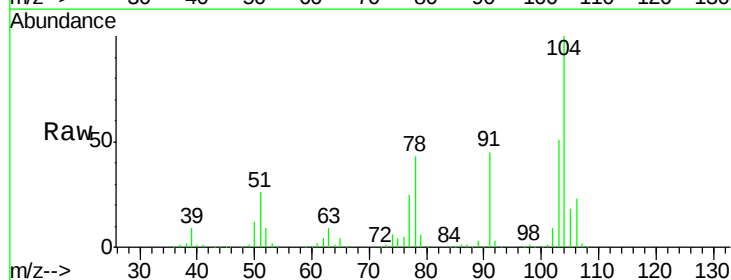
Instrument :
MSVOA_N
ClientSampled :
VN0122WBS01

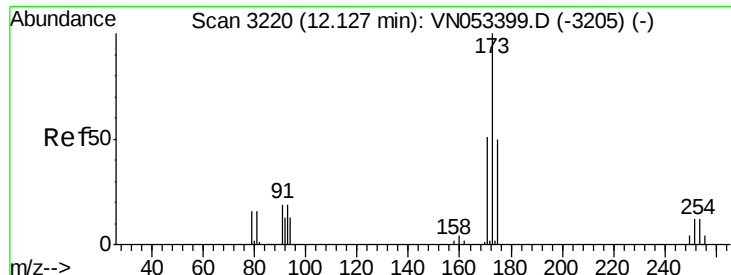
Tot Ion:106 Resp: 281587
Ion Ratio Lower Upper
106 100
91 212.3 106.9 320.8



#70
Styrene
Concen: 21.048 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Tgt Ion:104 Resp: 460343
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.5 44.4 66.6

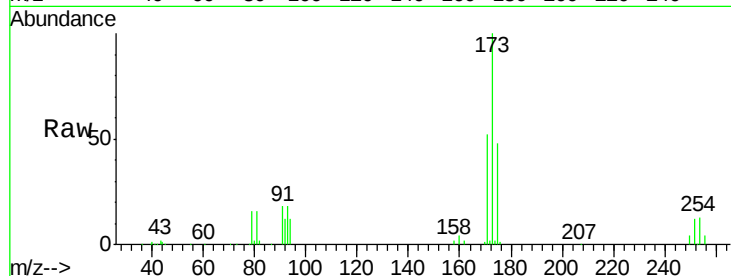




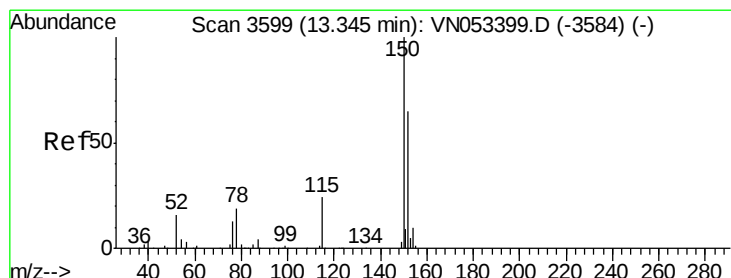
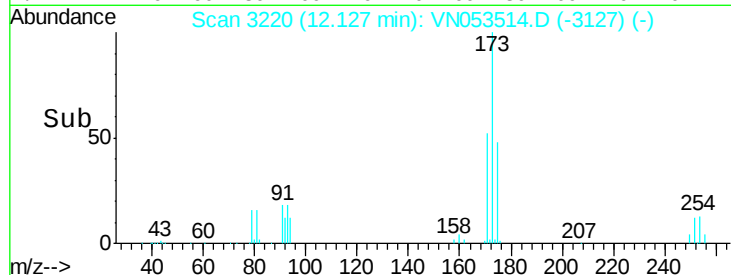
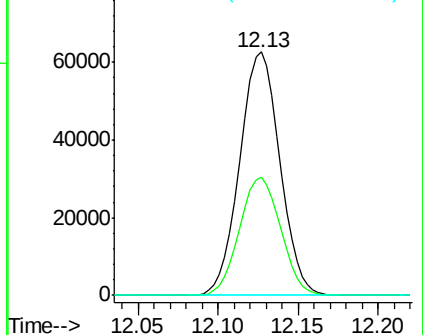
#71
Bromoform
Concen: 20.807 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBS01

Tot Ion:173 Resp: 107408
Ion Ratio Lower Upper
173 100
175 49.3 24.6 74.0
254 0.0 0.2 0.2#

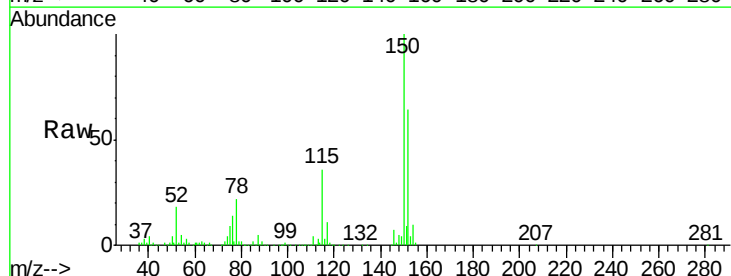


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

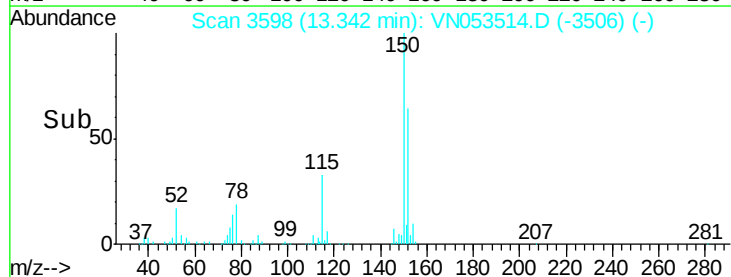
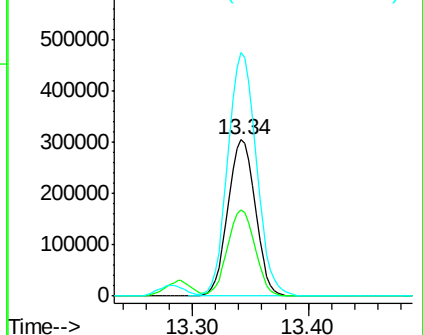


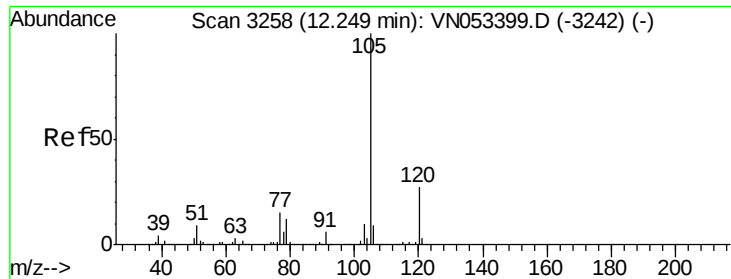
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053514.D
Acq: 22 Jan 2019 12:56

Tgt Ion:152 Resp: 497026
Ion Ratio Lower Upper
152 100
115 55.1 27.8 83.4
150 162.5 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: 20.609 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

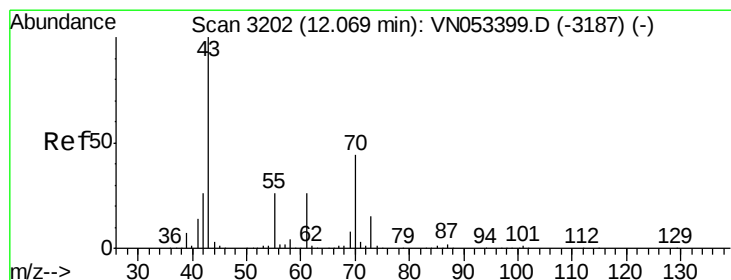
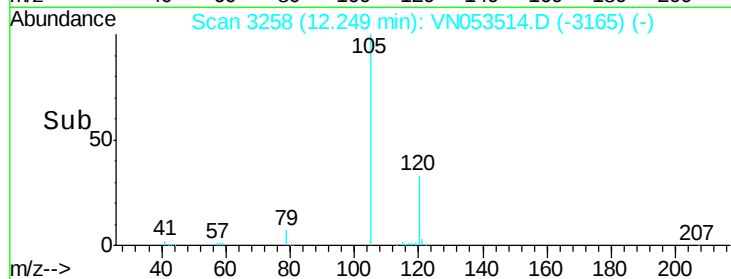
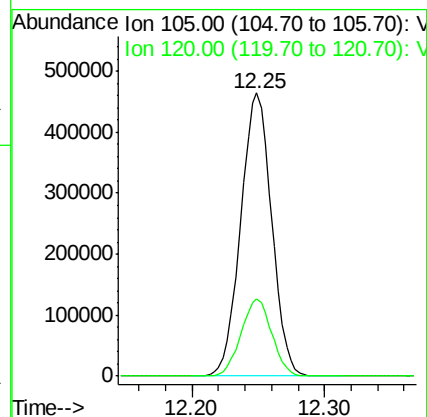
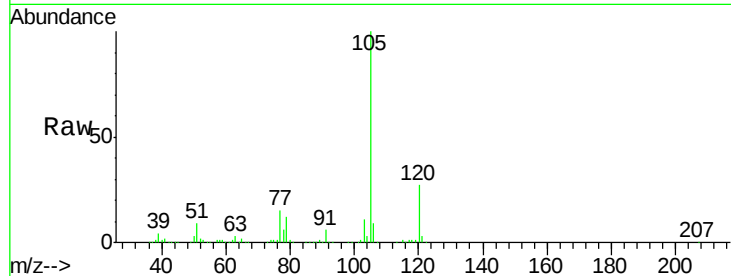
VN0122WBS01

Tot Ion:105 Resp: 750106

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



#74

N-ethyl acetate

Concen: 20.046 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Tgt Ion: 43 Resp: 194506

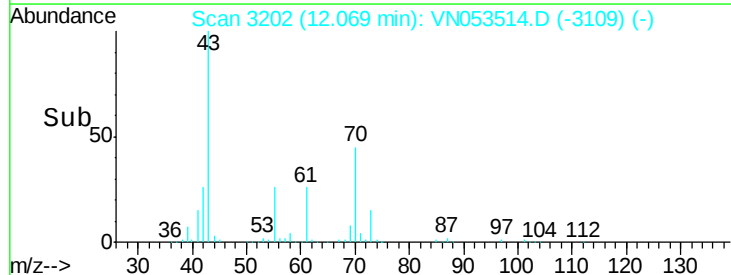
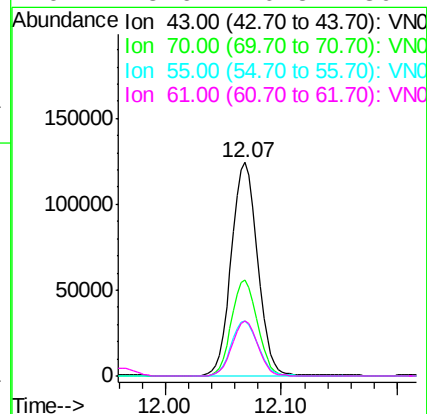
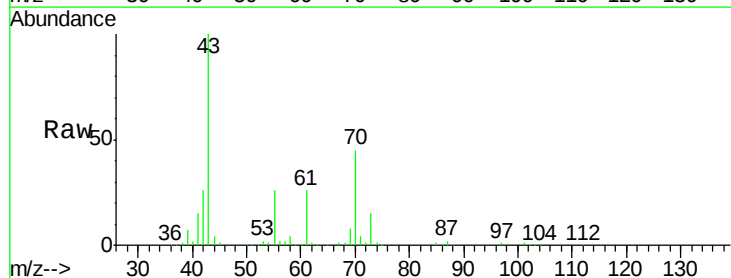
Ion Ratio Lower Upper

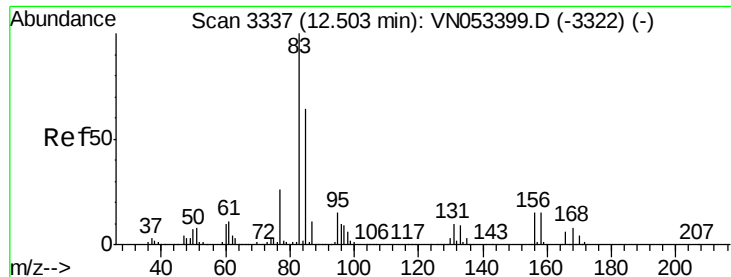
43 100

70 44.7 35.4 53.2

55 26.6 20.9 31.3

61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.953 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

VN0122WBS01

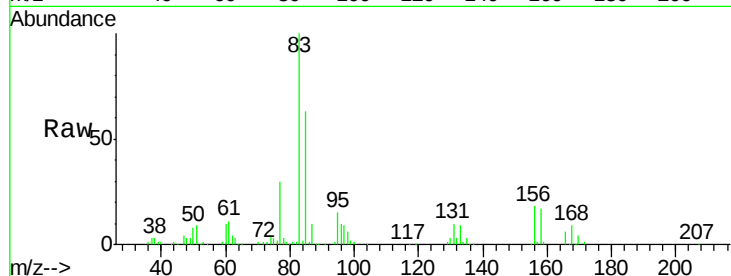
Tot Ion: 83 Resp: 152311

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

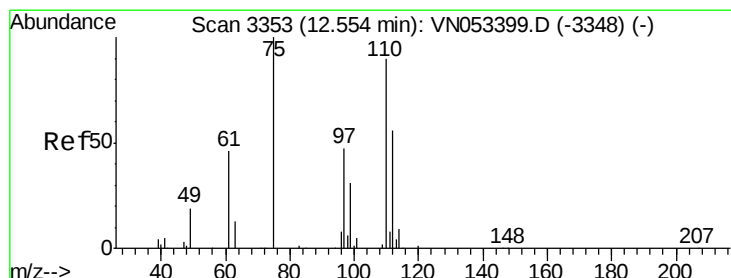
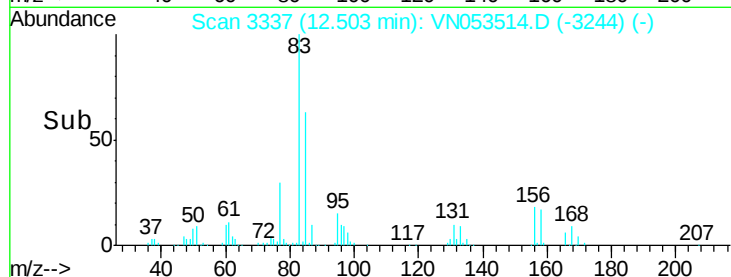
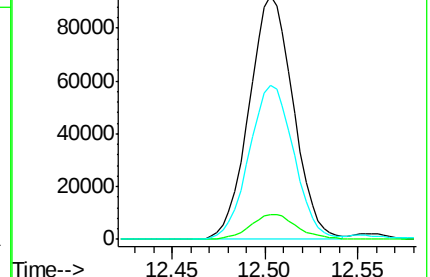
85 64.4 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.882 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053514.D

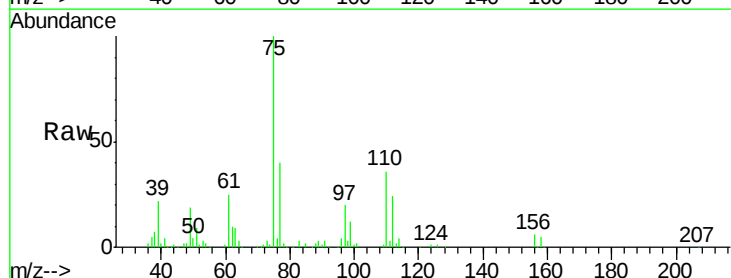
Acq: 22 Jan 2019 12:56

Tgt Ion: 75 Resp: 208821

Ion Ratio Lower Upper

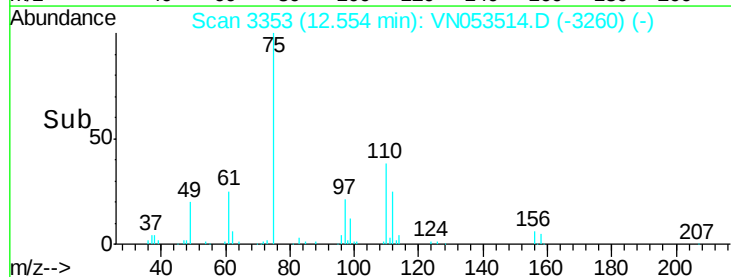
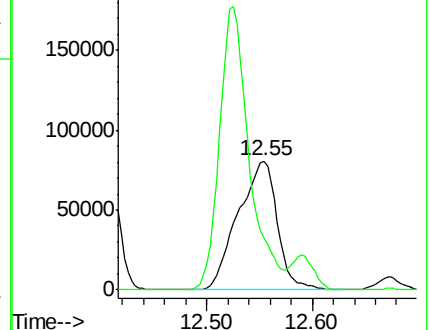
75 100

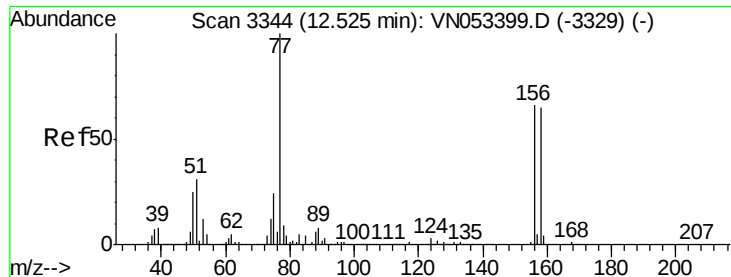
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.452 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBS01

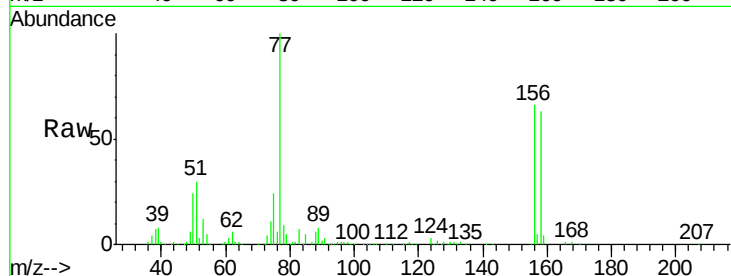
Tot Ion:156 Resp: 196153

Ion Ratio Lower Upper

156 100

77 176.5 87.9 263.8

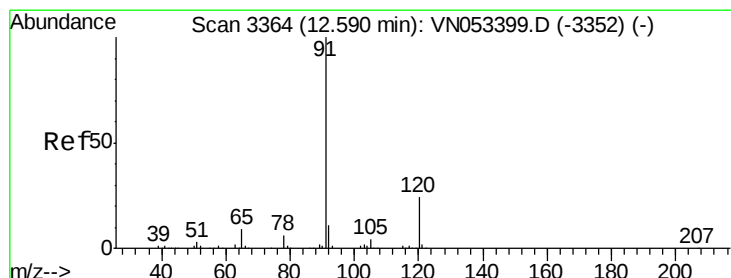
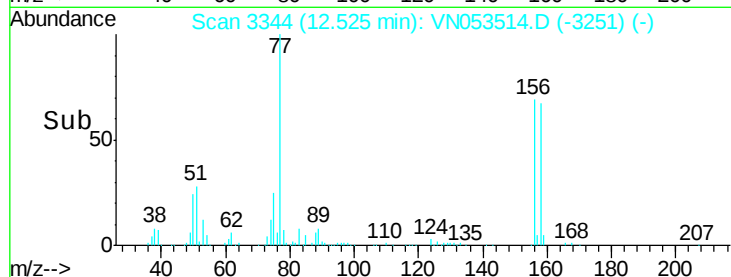
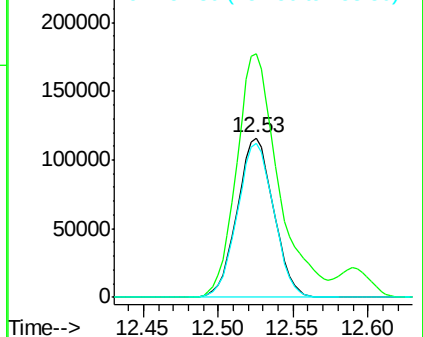
158 96.9 48.8 146.4



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: 20.577 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053514.D

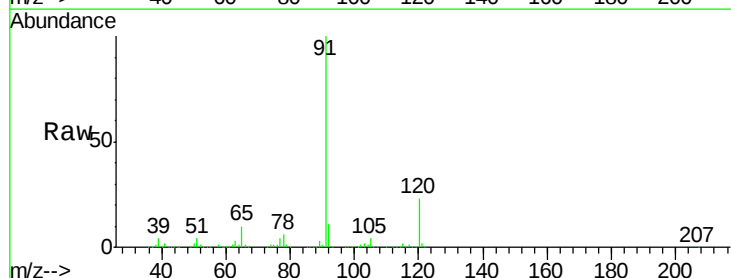
Acq: 22 Jan 2019 12:56

Tgt Ion: 91 Resp: 859713

Ion Ratio Lower Upper

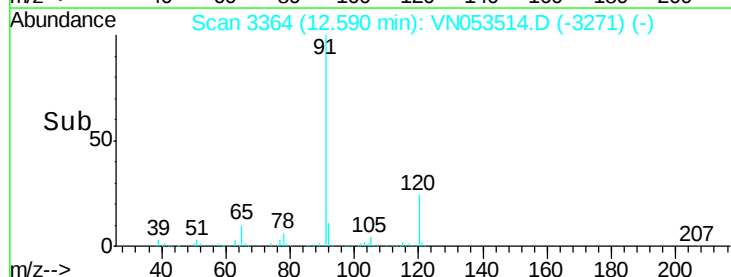
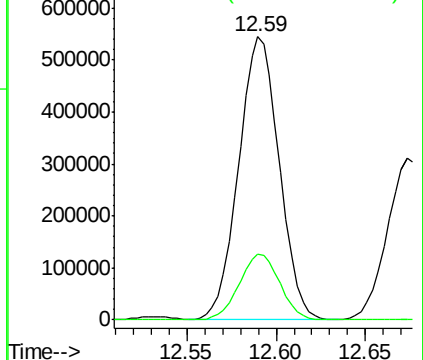
91 100

120 23.5 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: 20.355 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

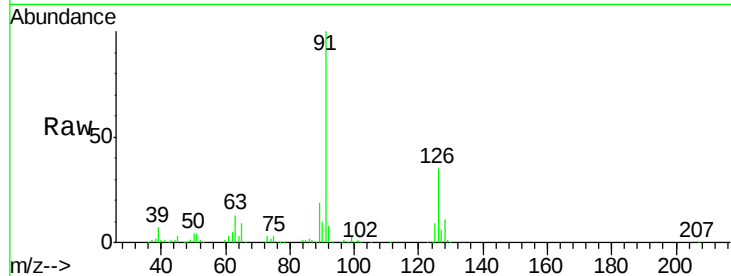
VN0122WBS01

Tot Ion: 91 Resp: 504079

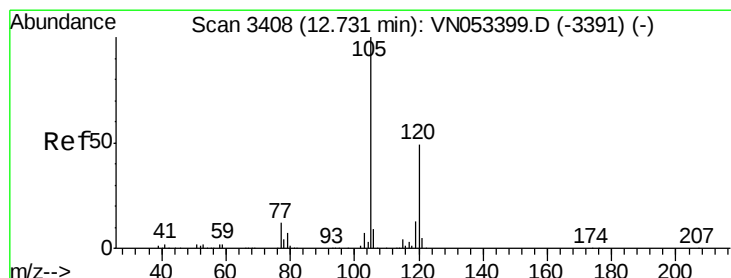
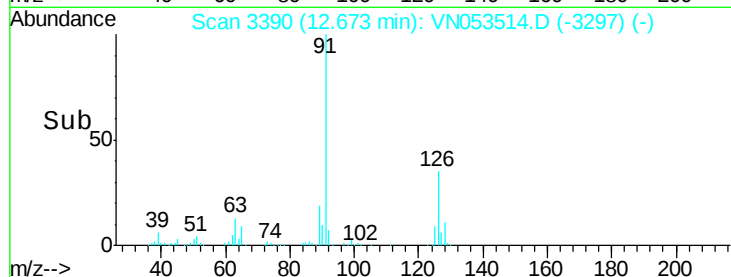
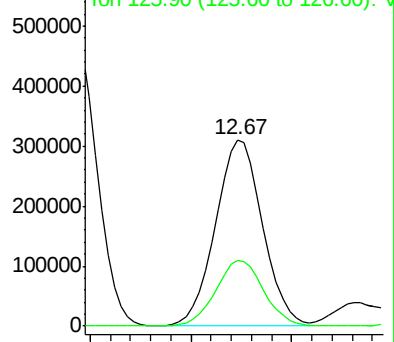
Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.088 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053514.D

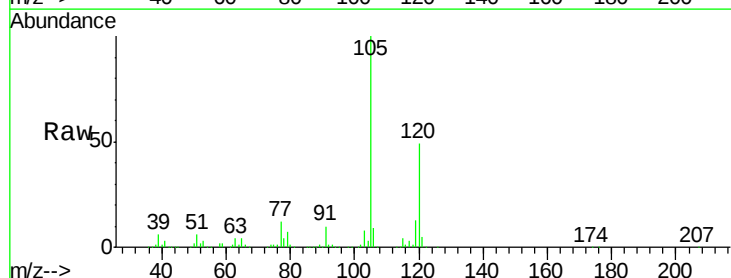
Acq: 22 Jan 2019 12:56

Tgt Ion: 105 Resp: 624493

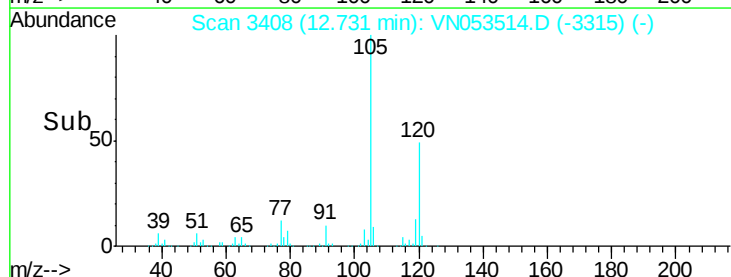
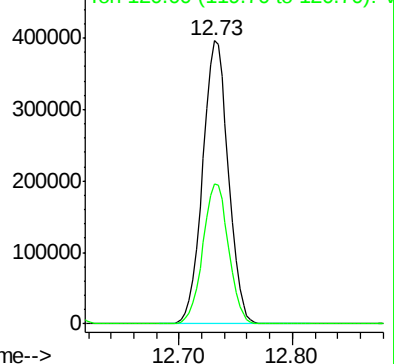
Ion Ratio Lower Upper

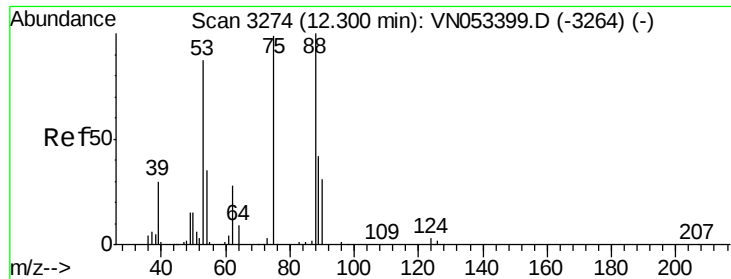
105 100

120 49.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053399.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.821 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBS01

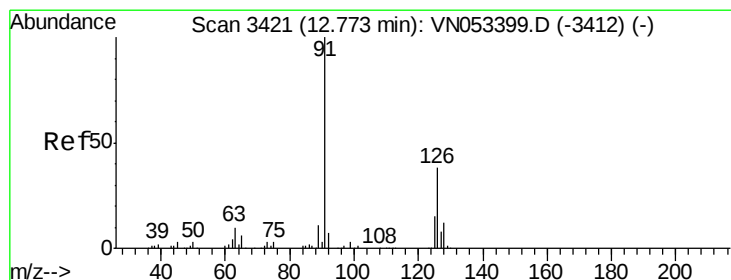
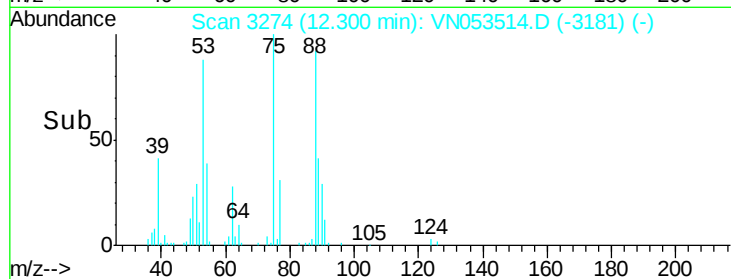
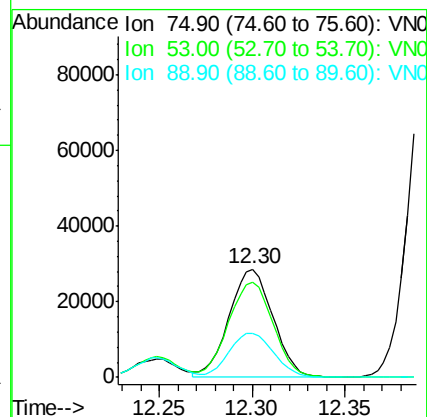
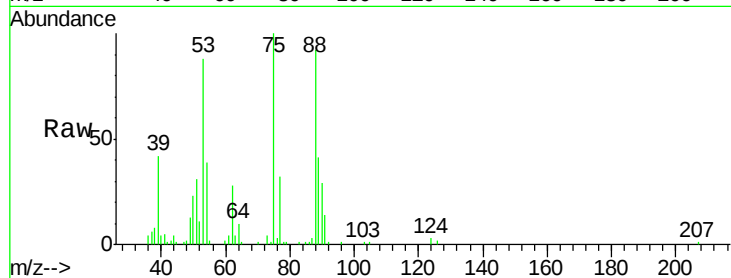
Tot Ion: 75 Resp: 47129

Ion Ratio Lower Upper

75 100

53 90.5 69.8 104.6

89 41.4 35.6 53.4



#82

4-Chlorotoluene

Concen: 20.460 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053514.D

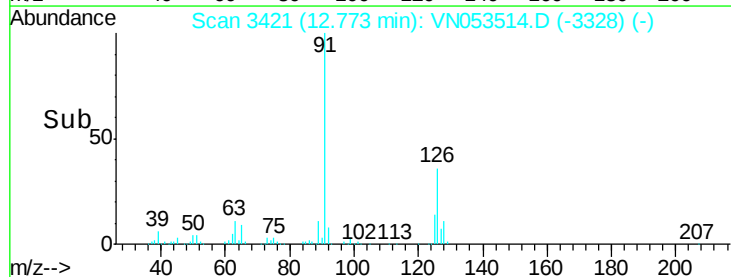
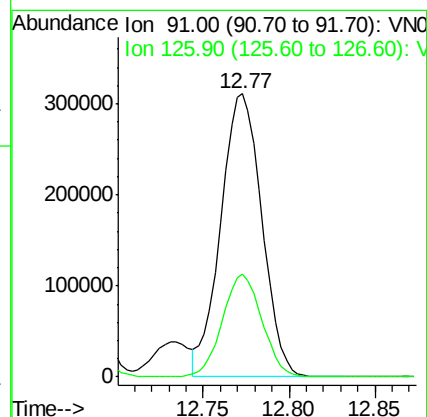
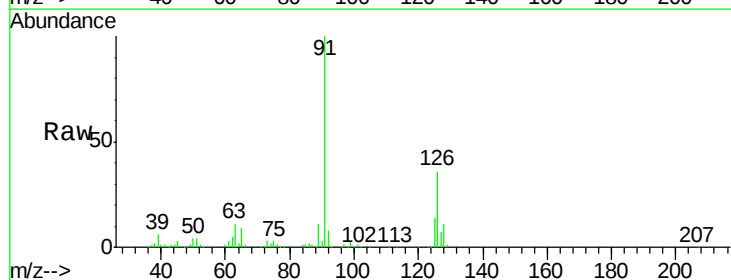
Acq: 22 Jan 2019 12:56

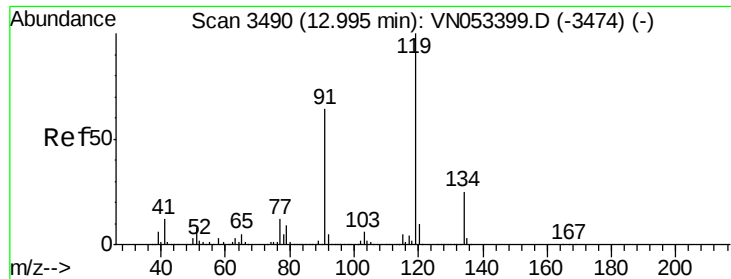
Tgt Ion: 91 Resp: 516702

Ion Ratio Lower Upper

91 100

126 35.1 17.6 52.9

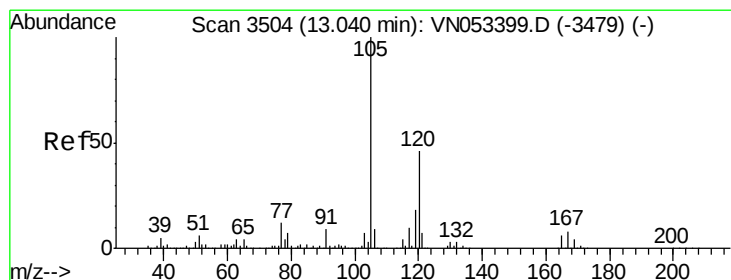
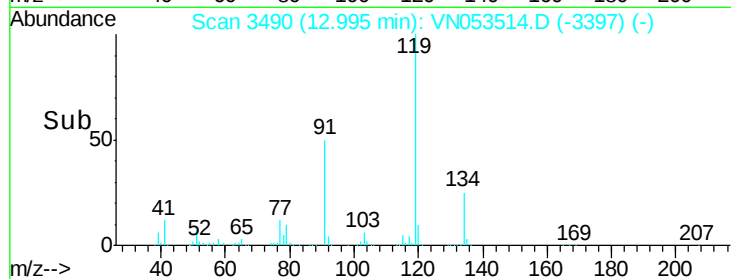
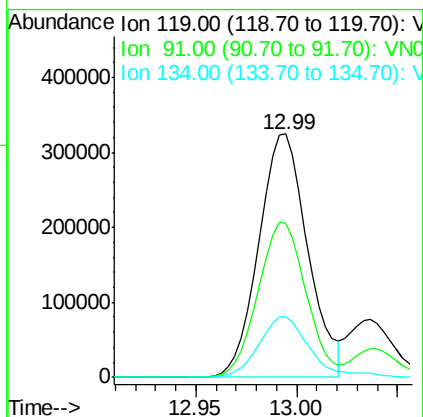
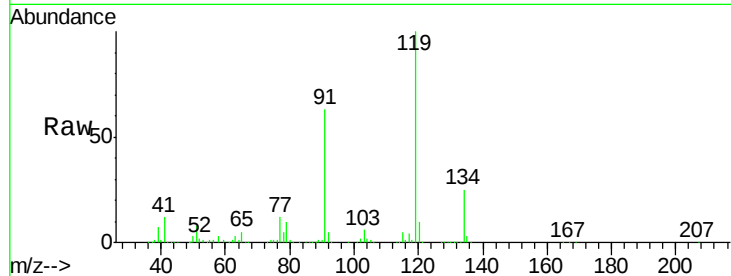




#83
 tert-Butylbenzene
 Concen: 20.978 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

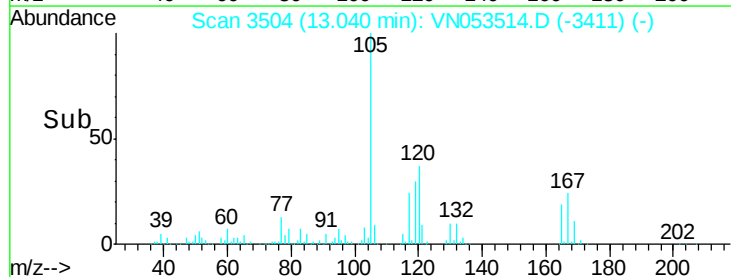
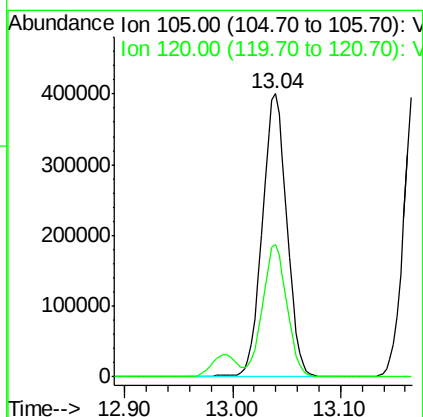
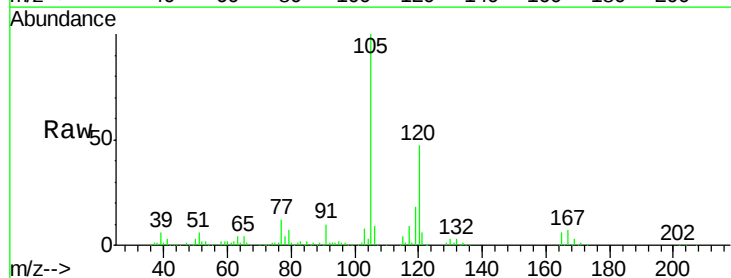
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBS01

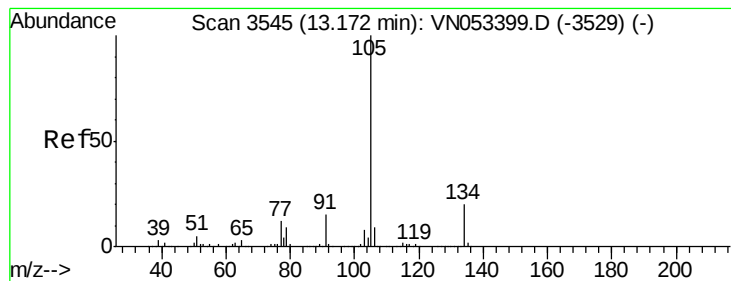
Tot Ion:119 Resp: 548706
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.3 93.8
 134 25.9 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.088 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

Tgt Ion:105 Resp: 629689
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.903 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

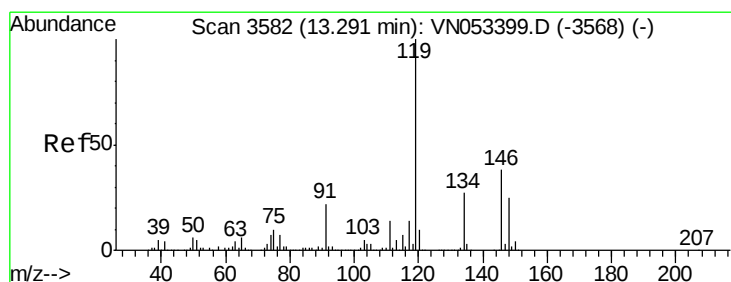
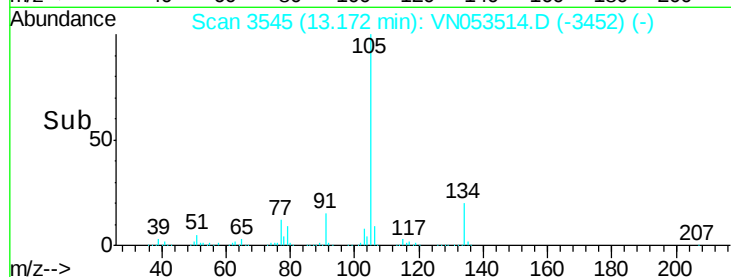
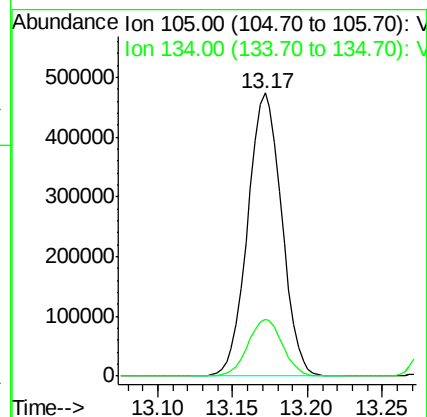
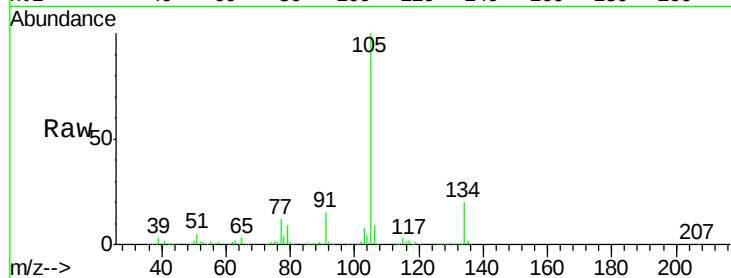
VN0122WBS01

Tot Ion:105 Resp: 749808

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.983 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

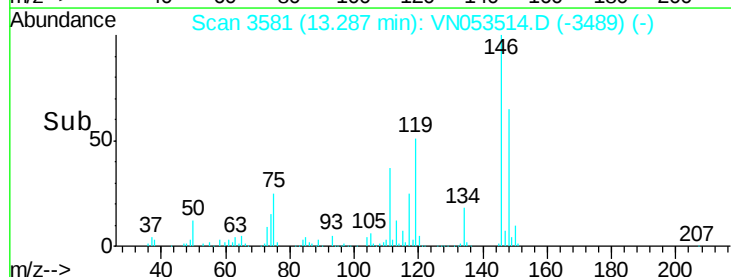
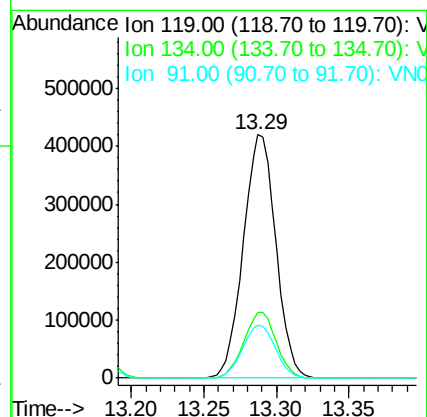
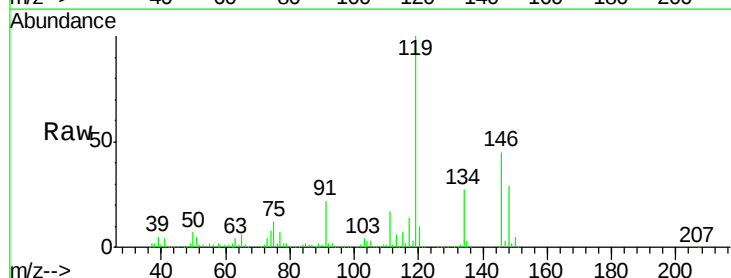
Tgt Ion:119 Resp: 653542

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.9 11.0 33.0

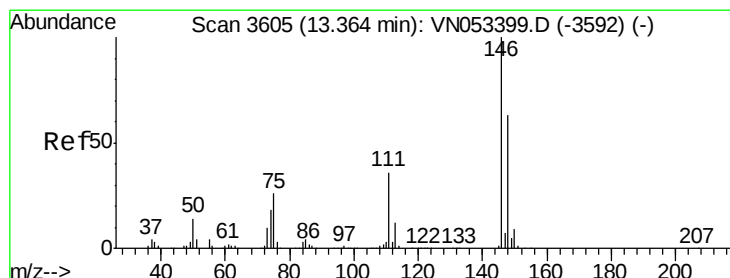
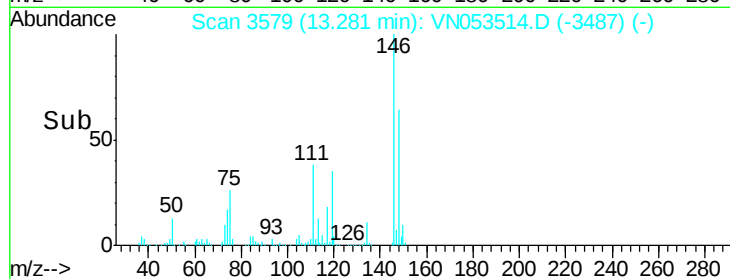
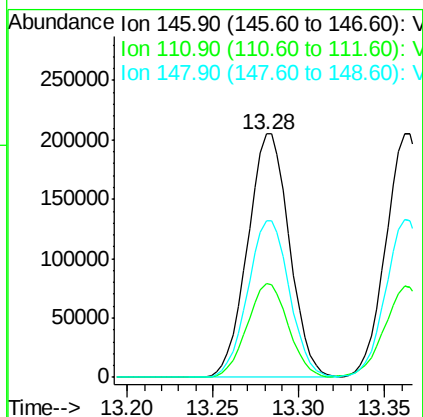
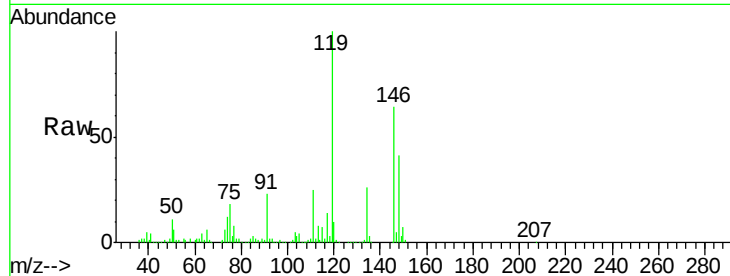




#87
 1,3-Dichlorobenzene
 Concen: 20.421 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

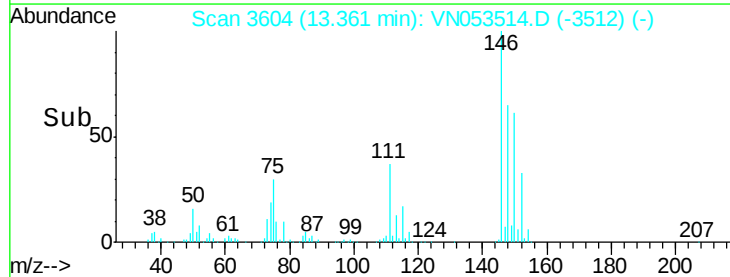
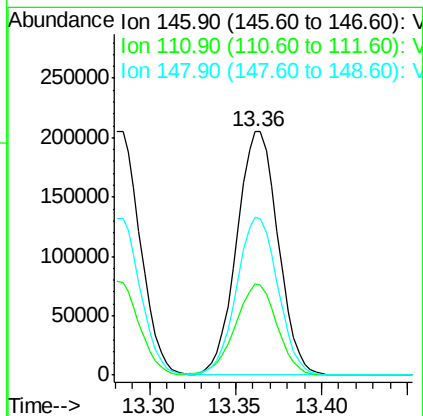
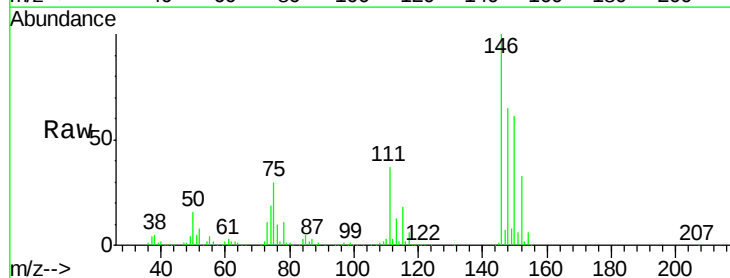
Instrument :
 MSVOA_N
 ClientSampled :
 VN0122WBS01

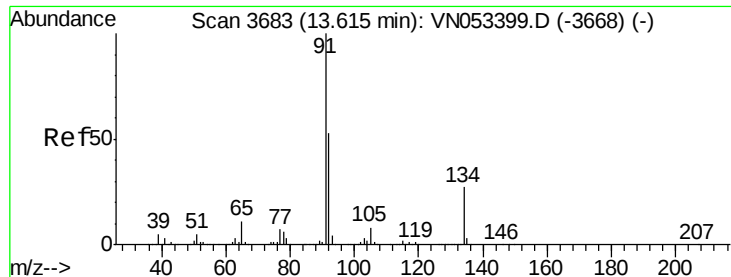
Tot Ion:146 Resp: 344517
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.8 56.3
 148 64.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.220 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

Tgt Ion:146 Resp: 342182
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.6 55.8
 148 65.0 32.4 97.0





#89

n-Butylbenzene

Concen: 20.300 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

VN0122WBS01

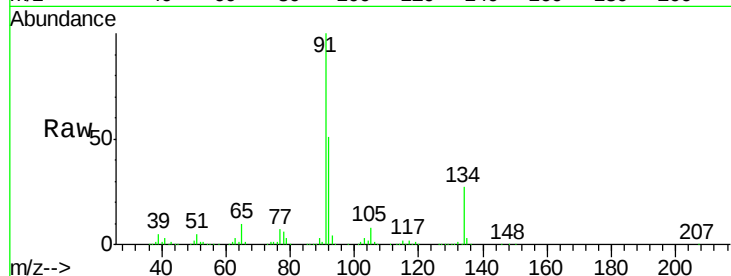
Tot Ion: 91 Resp: 538948

Ion Ratio Lower Upper

91 100

92 51.0 26.3 78.8

134 27.2 13.5 40.5

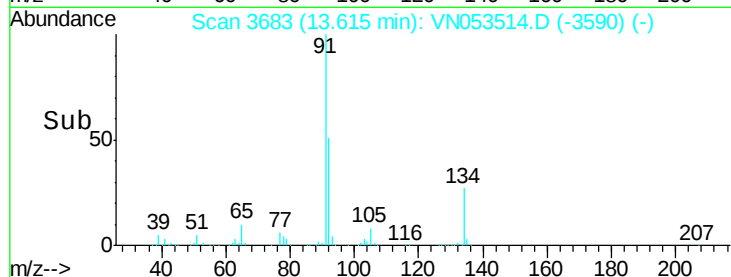


Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053399.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053399.D (-3668) (-)

Time-->

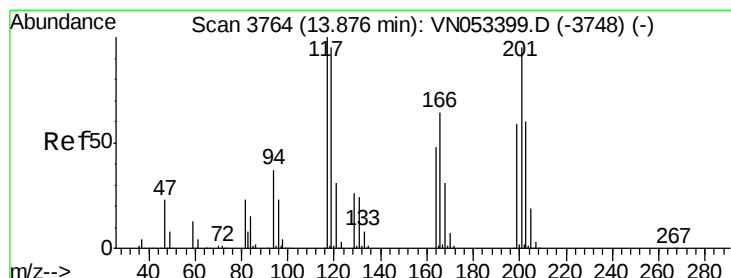


Abundance Ion 91.00 (90.70 to 91.70): VN053514.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053514.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053514.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 20.851 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053514.D

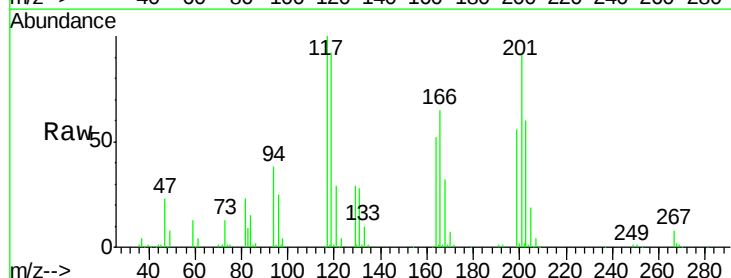
Acq: 22 Jan 2019 12:56

Tgt Ion: 117 Resp: 101856

Ion Ratio Lower Upper

117 100

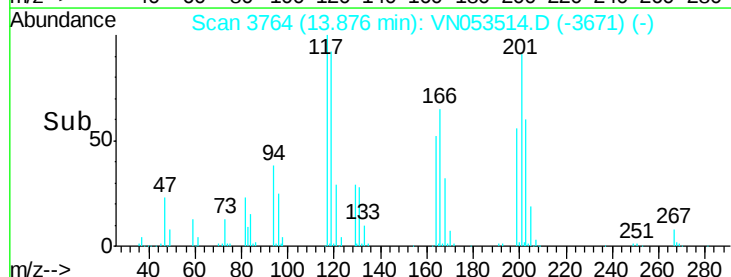
201 90.8 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053399.D (-3748) (-)

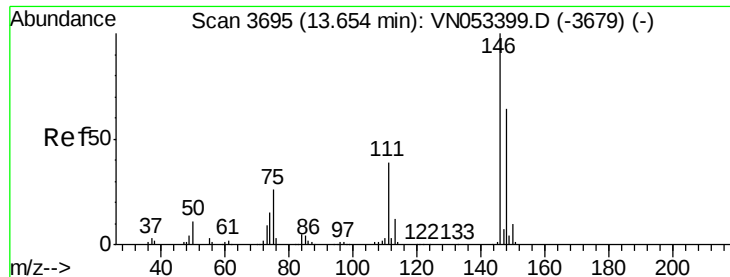
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN053514.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053514.D (-3671) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 21.569 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

VN0122WBS01

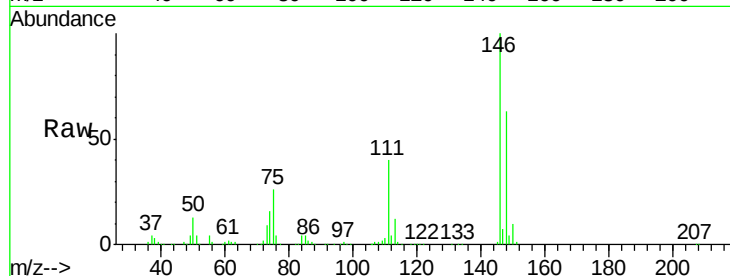
Tot Ion:146 Resp: 334768

Ion Ratio Lower Upper

146 100

111 39.6 19.5 58.5

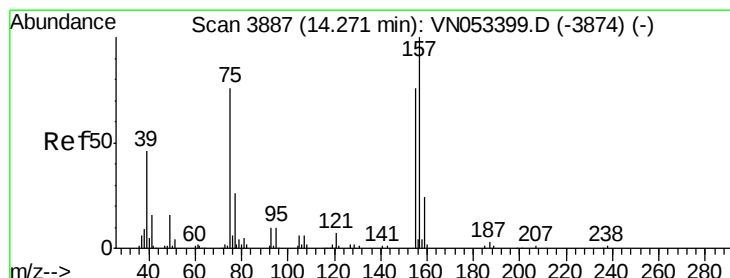
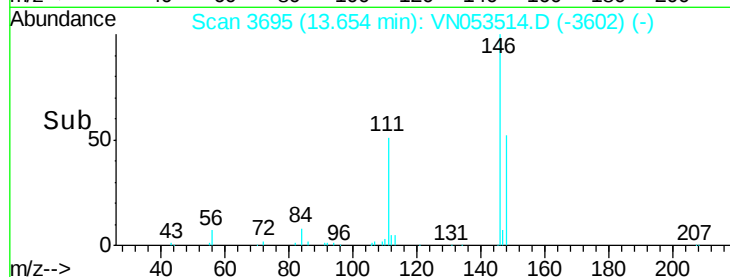
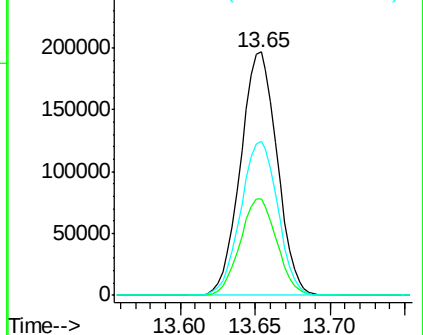
148 64.0 31.9 95.9



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: 22.861 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

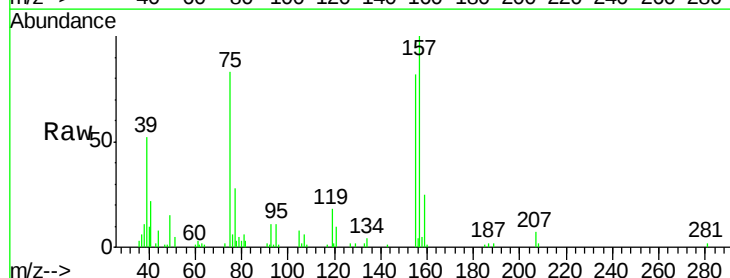
Tgt Ion: 75 Resp: 22127

Ion Ratio Lower Upper

75 100

155 98.7 48.9 146.7

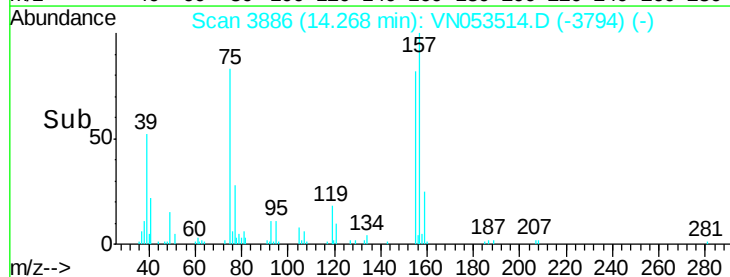
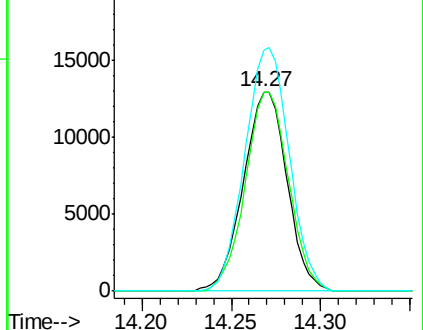
157 124.2 63.7 191.3

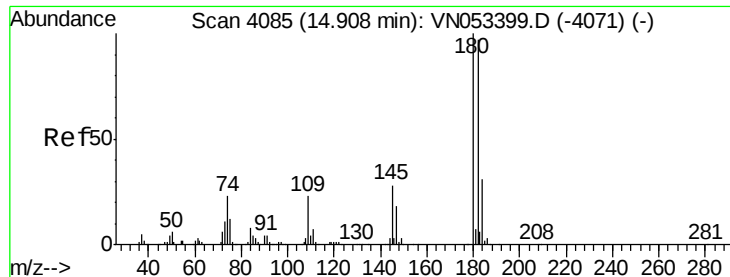


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

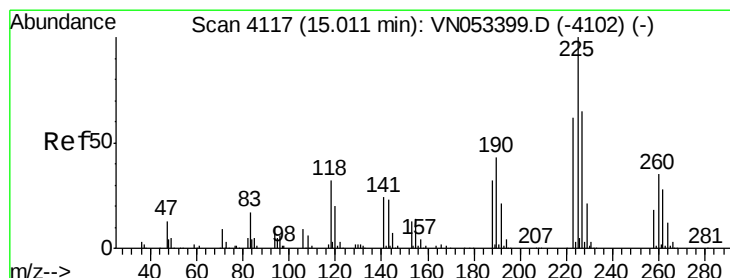
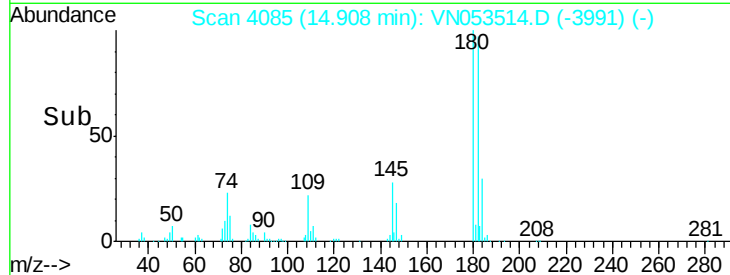
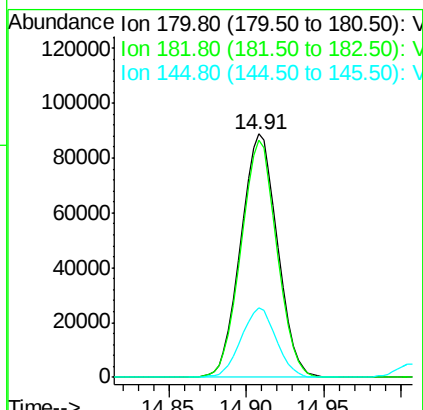
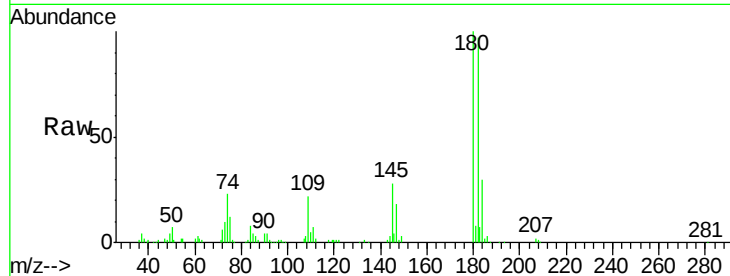




#93
 1,2,4-Trichlorobenzene
 Concen: 22.953 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

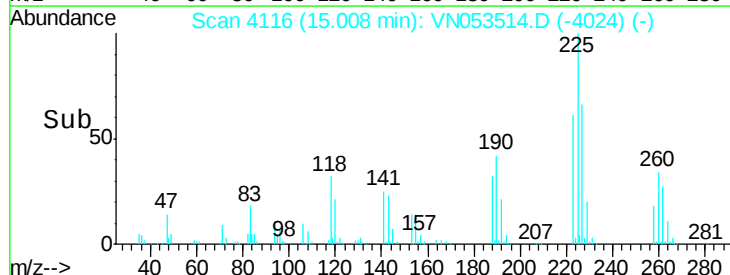
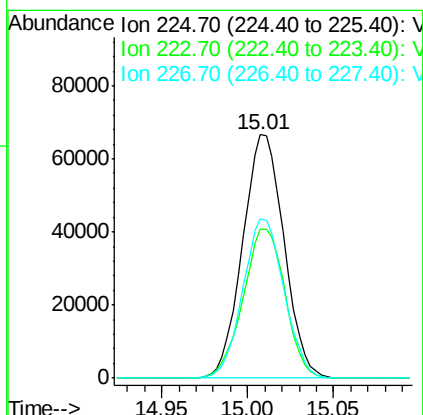
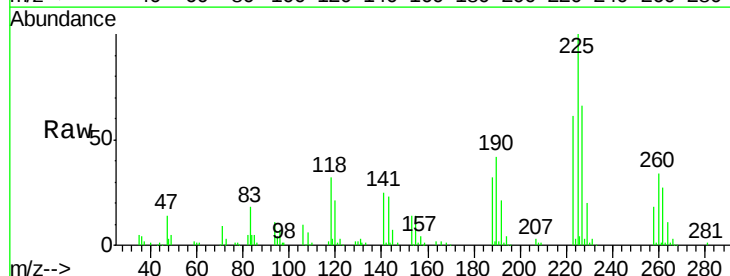
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBS01

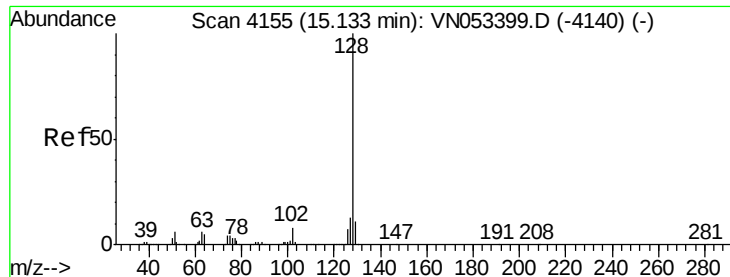
Tot Ion:180 Resp: 146338
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.1 144.3
 145 27.5 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 22.982 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053514.D
 Acq: 22 Jan 2019 12:56

Tgt Ion:225 Resp: 111272
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.2
 227 64.9 32.0 96.2





#95

Naphthalene

Concen: 22.093 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBS01

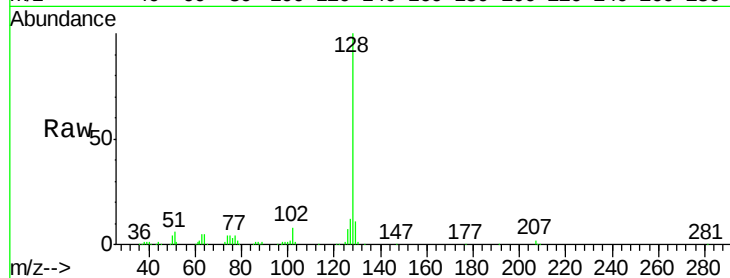
Tot Ion:128 Resp: 236776

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

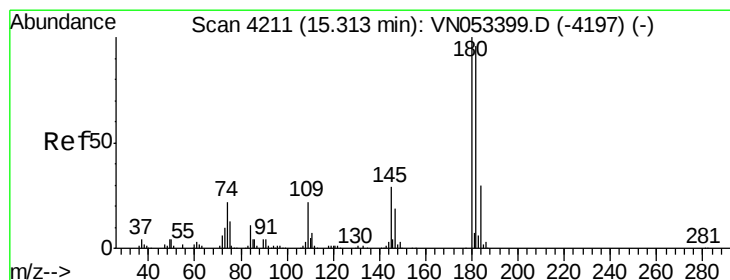
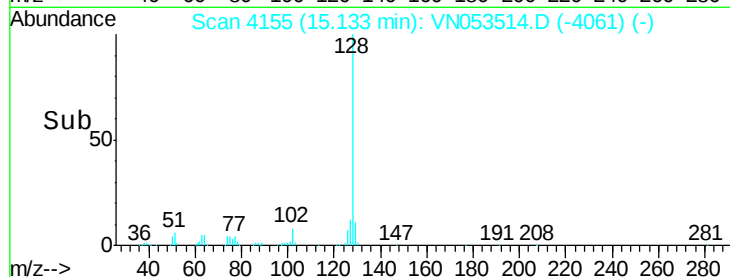
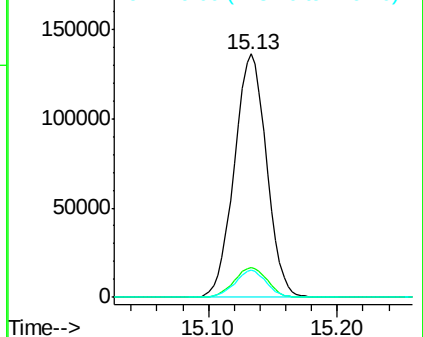
129 10.8 8.6 13.0



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: 23.762 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053514.D

Acq: 22 Jan 2019 12:56

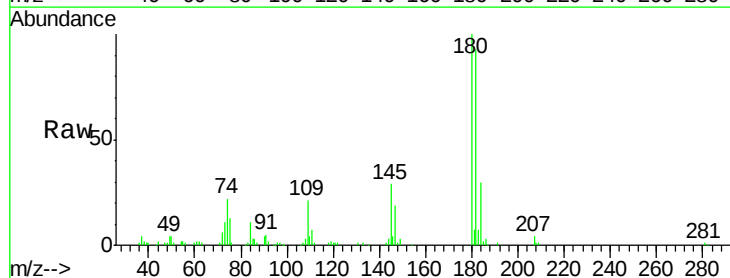
Tgt Ion:180 Resp: 107935

Ion Ratio Lower Upper

180 100

182 94.6 47.9 143.8

145 28.8 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

