

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021419\
 Data File : VN053771.D
 Acq On : 14 Feb 2019 11:35
 Operator : JC/SP
 Sample : VN0214WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 01:01:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	673738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1009239	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	884341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	425970	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	349566	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
35) Dibromofluoromethane	7.59	113	342969	53.78	ug/l	0.00
Spiked Amount			Recovery	=	107.56%	
50) Toluene-d8	10.09	98	1240899	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.40	95	409029	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	126199	16.840	ug/l	98
3) Chloromethane	2.06	50	131628	16.456	ug/l	98
4) Vinyl Chloride	2.19	62	151611	19.526	ug/l	100
5) Bromomethane	2.57	94	106127	20.904	ug/l	100
6) Chloroethane	2.71	64	91722	20.672	ug/l	95
7) Trichlorofluoromethane	3.02	101	209228	19.871	ug/l	100
8) Diethyl Ether	3.41	74	73113	19.013	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	131322	20.166	ug/l	98
10) Methyl Iodide	3.96	142	175507	17.171	ug/l	100
11) Tert butyl alcohol	4.78	59	40442	101.103	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	117563	18.843	ug/l	96
13) Acrolein	3.61	56	6440	29.570	ug/l	99
14) Allyl chloride	4.33	41	182854	18.407	ug/l	98
15) Acrylonitrile	4.99	53	218984	101.408	ug/l	99
16) Acetone	3.82	43	190592	109.935	ug/l	95
17) Carbon Disulfide	4.06	76	320837	16.515	ug/l	99
18) Methyl Acetate	4.33	43	112021	21.818	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	313667	19.832	ug/l	97
20) Methylene Chloride	4.55	84	139644	19.199	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	126331	18.769	ug/l	93
22) Diisopropyl ether	5.95	45	355232	19.299	ug/l	98
23) Vinyl Acetate	5.90	43	1185721	93.119	ug/l	99
24) 1,1-Dichloroethane	5.85	63	238491	19.426	ug/l	99
25) 2-Butanone	6.83	43	246780	99.806	ug/l	99
26) 2,2-Dichloropropane	6.82	77	177501	18.940	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	147681	19.731	ug/l	97
28) Bromochloromethane	7.19	49	97120	18.229	ug/l	95
29) Tetrahydrofuran	7.21	42	155518	97.950	ug/l	96
30) Chloroform	7.37	83	243005	19.967	ug/l	99
31) Cyclohexane	7.65	56	205439	17.864	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	199650	19.713	ug/l	99
36) 1,1-Dichloropropene	7.79	75	173847	19.109	ug/l	98
37) Ethyl Acetate	6.93	43	103906	20.450	ug/l	99
38) Carbon Tetrachloride	7.77	117	176867	19.298	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	203004	18.808	ug/l	100
40) Benzene	8.04	78	546837	19.492	ug/l	99
41) Methacrylonitrile	7.17	41	57225	20.151	ug/l	92
42) 1,2-Dichloroethane	8.12	62	163678	19.649	ug/l	99
43) Isopropyl Acetate	8.16	43	183851	18.736	ug/l #	88
44) Trichloroethene	8.83	130	150758	18.875	ug/l	98
45) 1,2-Dichloropropane	9.12	63	143939	20.059	ug/l	97
46) Dibromomethane	9.21	93	86308	19.953	ug/l	96
47) Bromodichloromethane	9.40	83	183002	20.348	ug/l	99
48) Methyl methacrylate	9.20	41	84649	18.072	ug/l	90
49) 1,4-Dioxane	9.20	88	27376	426.681	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	484641	100.507	ug/l	100
52) Toluene	10.16	92	335659	20.159	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	170503	18.932	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	205862	19.290	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	125796	20.967	ug/l	98
56) Ethyl methacrylate	10.43	69	139033	19.588	ug/l	98
57) 1,3-Dichloropropane	10.71	76	208059	20.290	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	312267	76.676	ug/l	99
59) 2-Hexanone	10.75	43	313988	95.918	ug/l	100
60) Dibromochloromethane	10.90	129	137967	20.392	ug/l	100
61) 1,2-Dibromoethane	11.00	107	117328	19.757	ug/l	100
64) Tetrachloroethene	10.63	164	154140	20.333	ug/l	98
65) Chlorobenzene	11.43	112	368293	19.606	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	134894	20.562	ug/l	99
67) Ethyl Benzene	11.51	91	603502	19.558	ug/l	100
68) m/p-Xylenes	11.62	106	471909	40.071	ug/l	99
69) o-Xylene	11.95	106	227330	19.980	ug/l	98
70) Styrene	11.96	104	367079	19.905	ug/l	99
71) Bromoform	12.13	173	93743	20.843	ug/l #	97
73) Isopropylbenzene	12.25	105	603676	20.159	ug/l	100
74) N-amyl acetate	12.07	43	134842	18.726	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	141715	19.774	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	170610	31.183	ug/l #	100
77) Bromobenzene	12.53	156	160607	19.901	ug/l	97
78) n-propylbenzene	12.59	91	702136	20.283	ug/l	100
79) 2-Chlorotoluene	12.67	91	413712	20.144	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	518165	20.867	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35093	18.036	ug/l	96
82) 4-Chlorotoluene	12.77	91	415911	19.735	ug/l	99
83) tert-Butylbenzene	12.99	119	449813	20.496	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	528426	20.887	ug/l	100
85) sec-Butylbenzene	13.17	105	631599	21.148	ug/l	100
86) p-Isopropyltoluene	13.29	119	544258	20.837	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	283976	19.574	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	277219	19.317	ug/l	100
89) n-Butylbenzene	13.62	91	445182	19.691	ug/l	99
90) Hexachloroethane	13.88	117	92898	21.562	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	275496	19.836	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20900	20.463	ug/l	99

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Quant Title : SW846 8260
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Response via : Initial Calibration

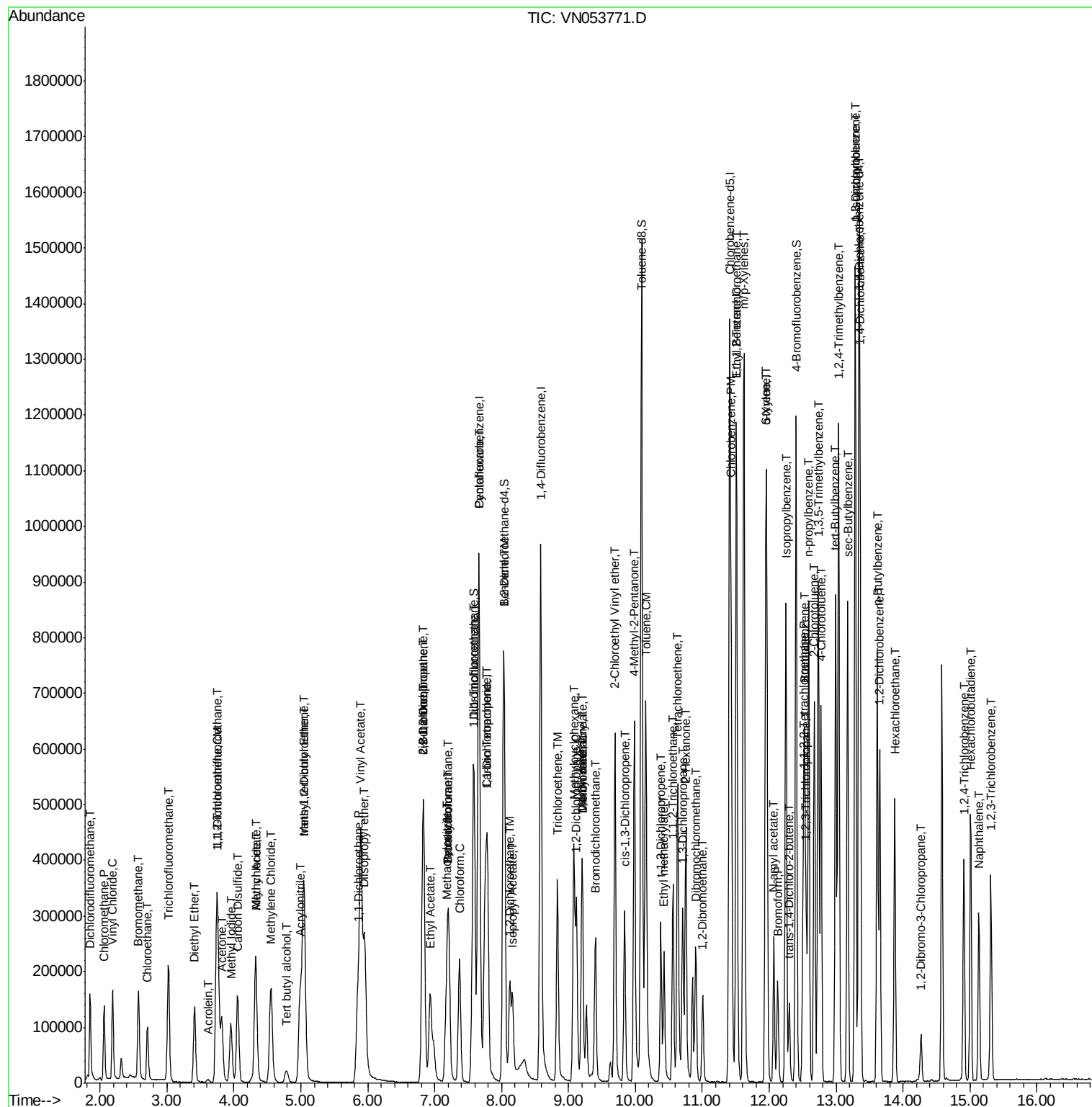
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	144687	18.164	ug/l	99
94) Hexachlorobutadiene	15.01	225	109271	22.027	ug/l	99
95) Naphthalene	15.13	128	271389	15.736	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	140670	19.032	ug/l	98

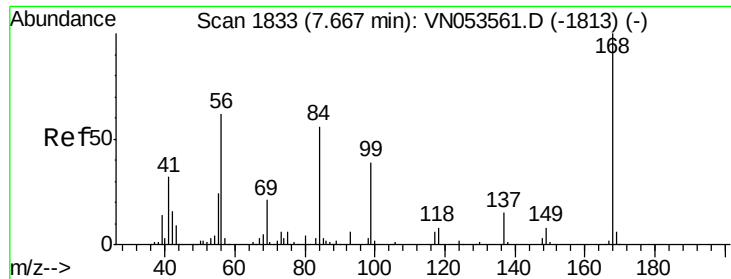
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021419\
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Quant Time: Feb 15 01:01:18 2019
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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

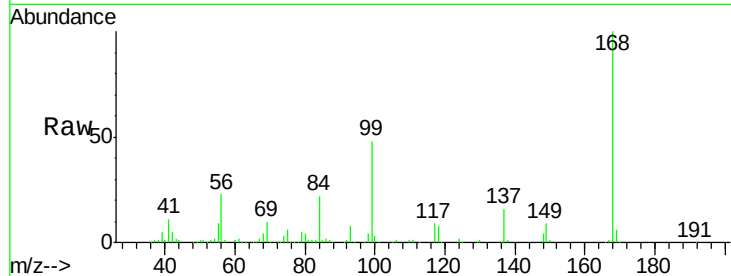
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 673738

Ion Ratio Lower Upper

168 100

99 47.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

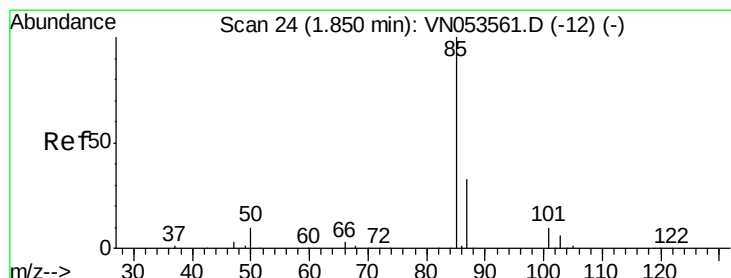
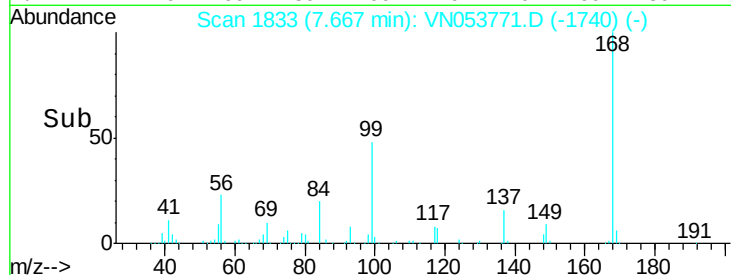
100000

50000

0

Time-->

7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 16.840 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053771.D

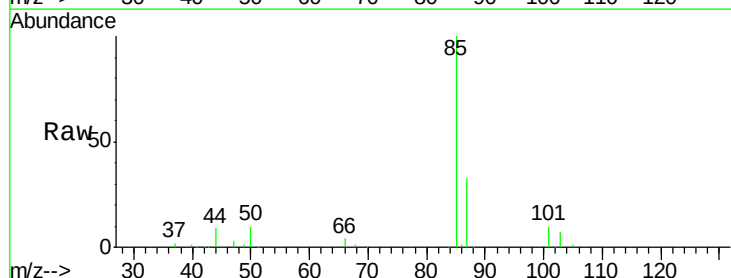
Acq: 14 Feb 2019 11:35

Tgt Ion: 85 Resp: 126199

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

60000

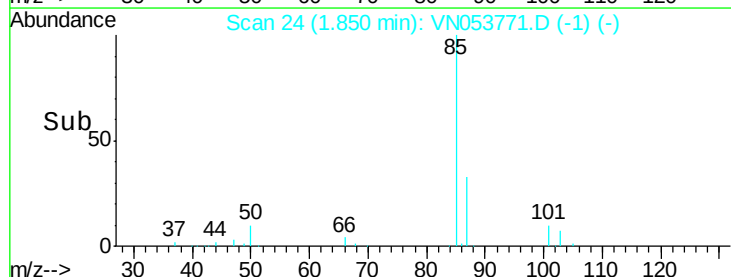
40000

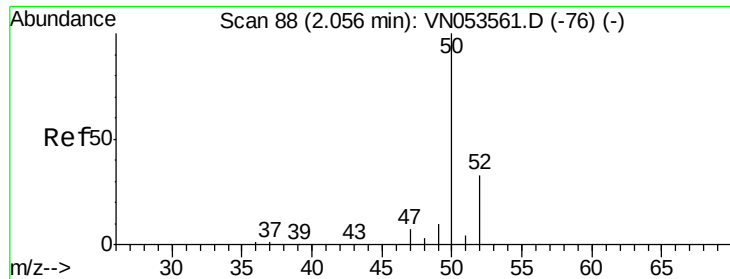
20000

0

Time-->

1.80 1.90 2.00





#3

Chloromethane

Concen: 16.456 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

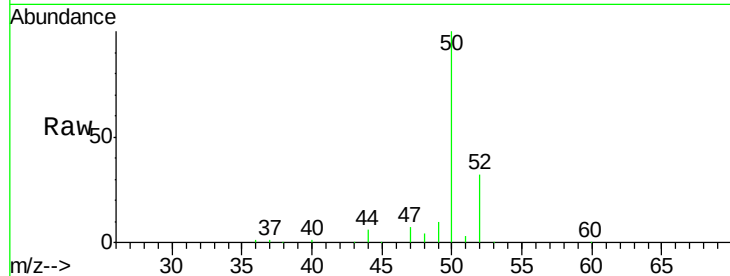
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 131628

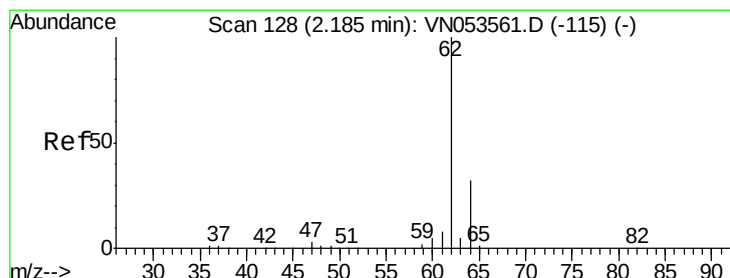
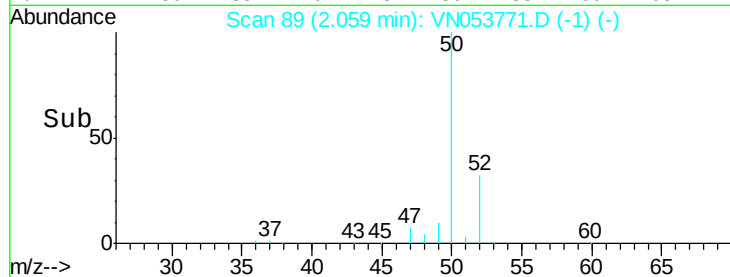
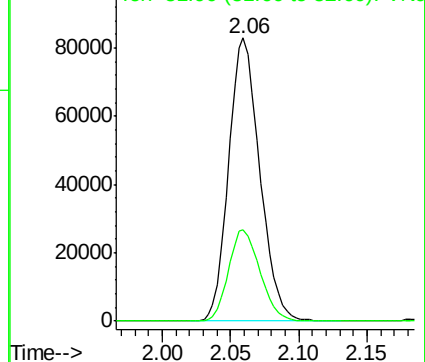
Ion Ratio Lower Upper

50 100

52 32.4 26.6 40.0



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



#4

Vinyl Chloride

Concen: 19.526 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053771.D

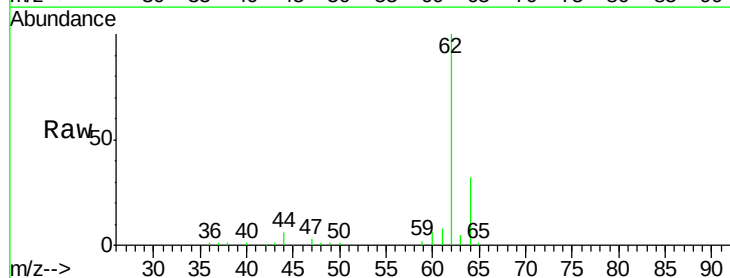
Acq: 14 Feb 2019 11:35

Tgt Ion: 62 Resp: 151611

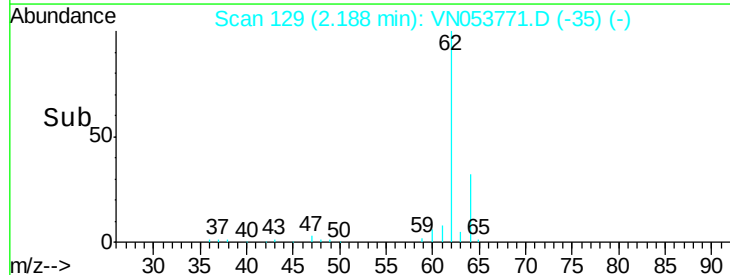
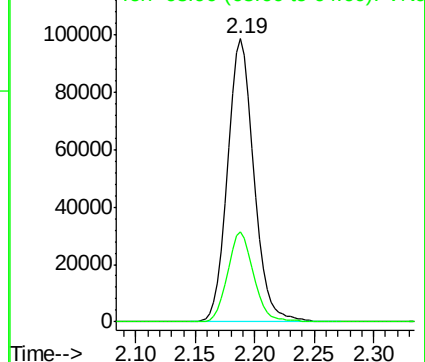
Ion Ratio Lower Upper

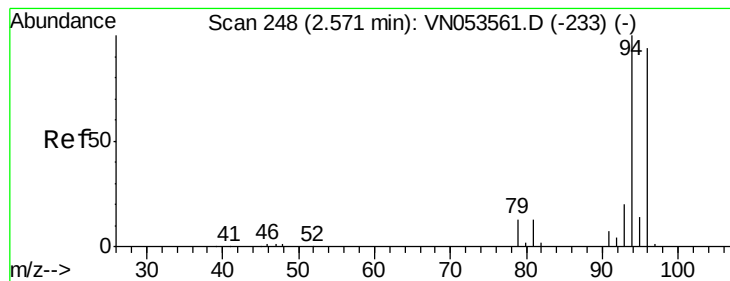
62 100

64 31.9 25.4 38.2



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





#5

Bromomethane

Concen: 20.904 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

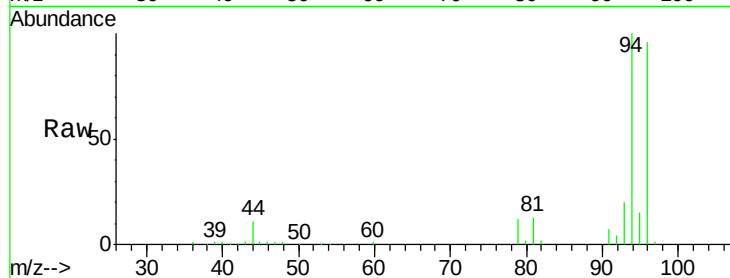
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 106127

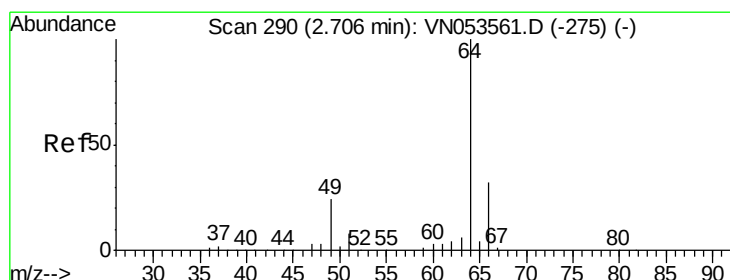
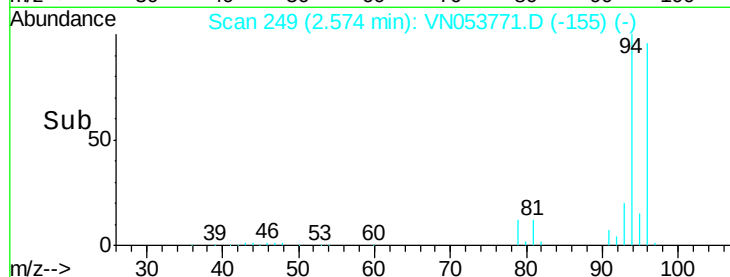
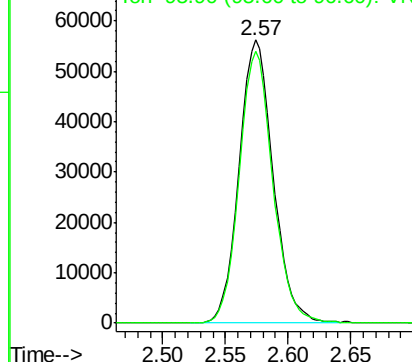
Ion Ratio Lower Upper

94 100

96 96.2 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: 20.672 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053771.D

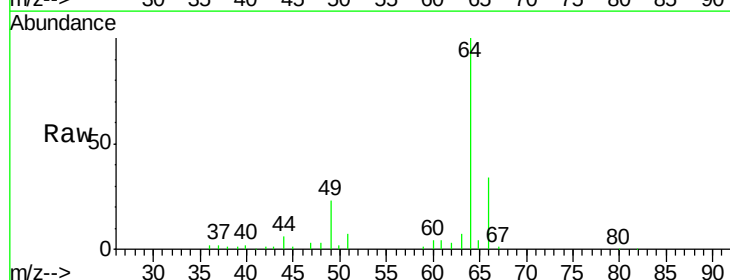
Acq: 14 Feb 2019 11:35

Tgt Ion: 64 Resp: 91722

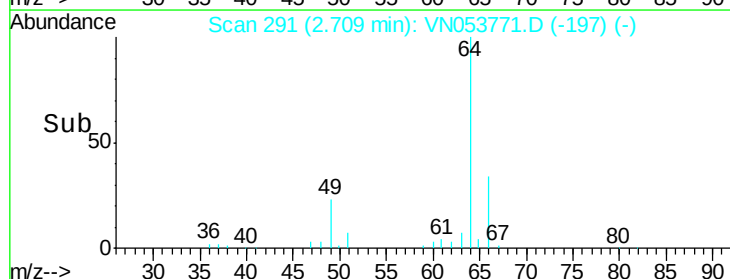
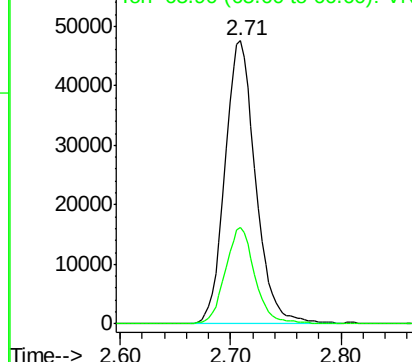
Ion Ratio Lower Upper

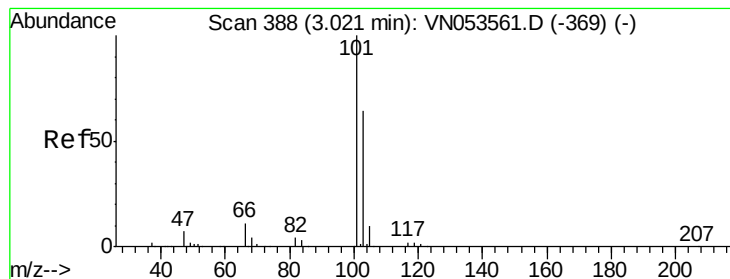
64 100

66 34.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



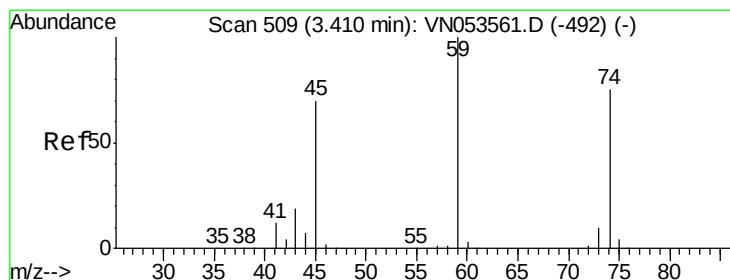
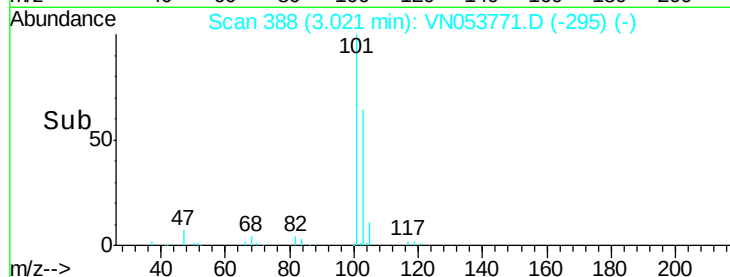
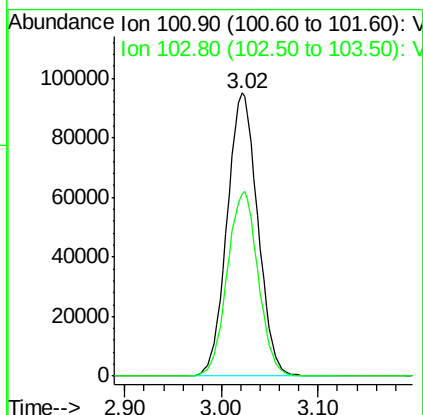
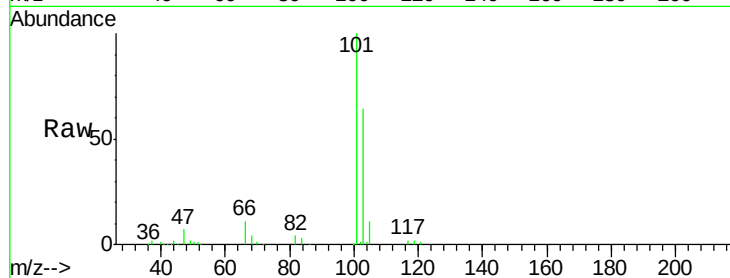


#7

Trichlorofluoromethane
Concen: 19.871 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampled :

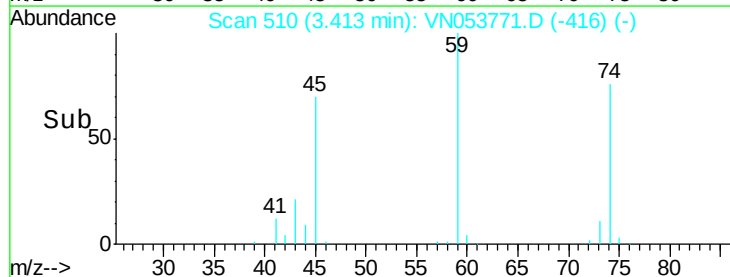
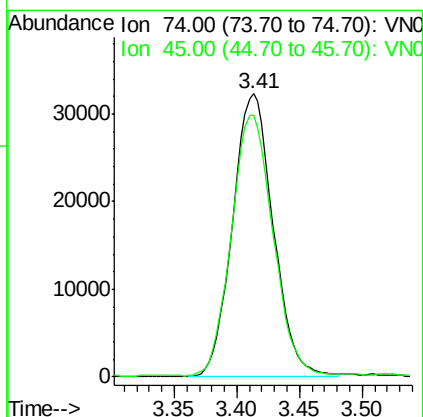
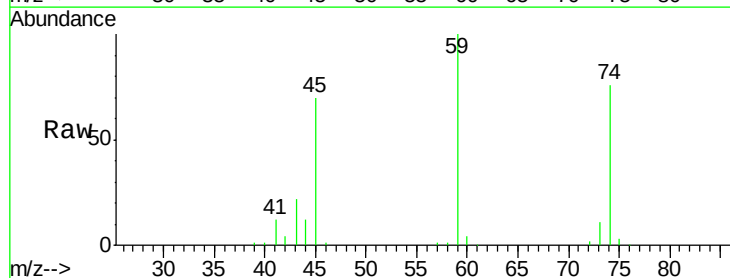
Tot Ion:101 Resp: 209228
Ion Ratio Lower Upper
101 100
103 64.4 51.6 77.4

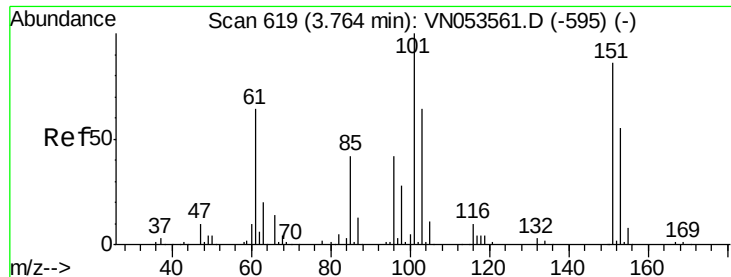


#8

Diethyl Ether
Concen: 19.013 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion: 74 Resp: 73113
Ion Ratio Lower Upper
74 100
45 95.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.166 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

ClientSampled :

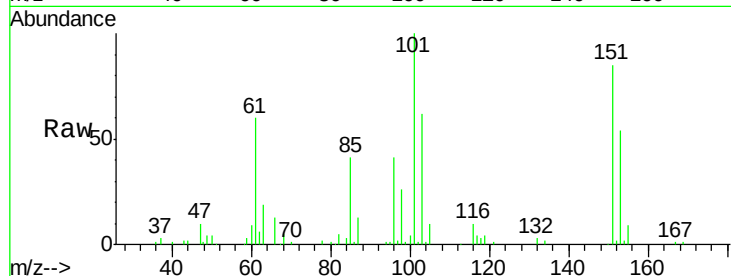
Tot Ion:101 Resp: 131322

Ion Ratio Lower Upper

101 100

85 41.1 32.8 49.2

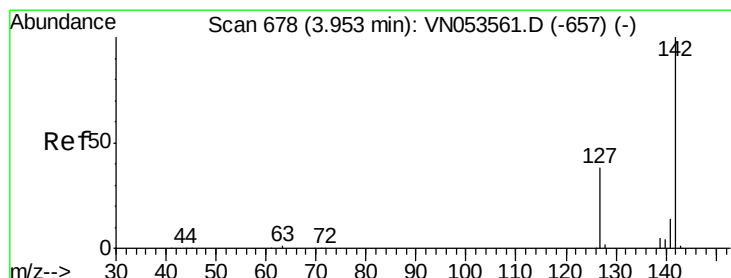
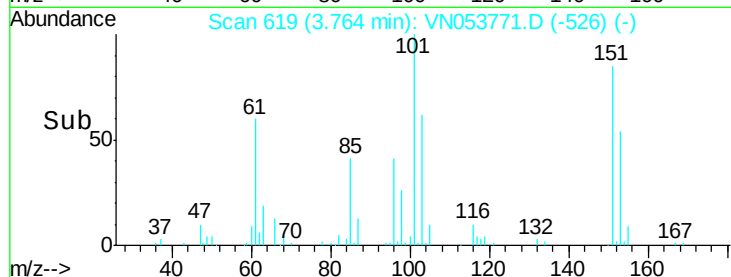
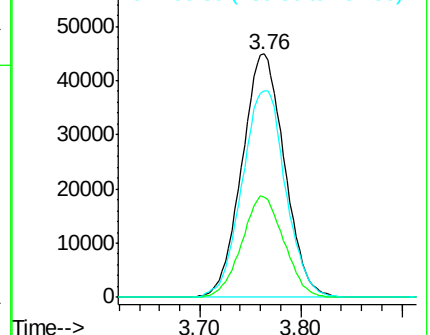
151 86.8 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.171 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

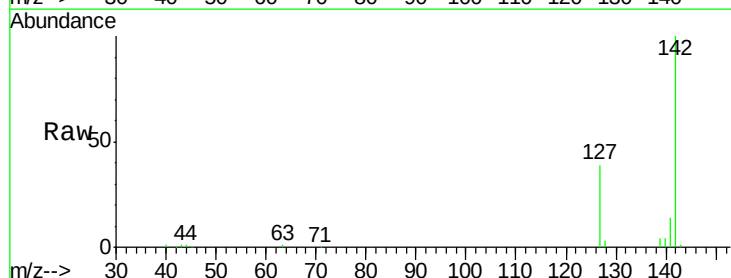
Tgt Ion:142 Resp: 175507

Ion Ratio Lower Upper

142 100

127 38.7 31.0 46.4

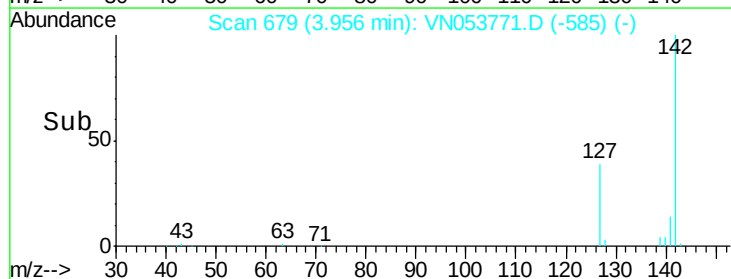
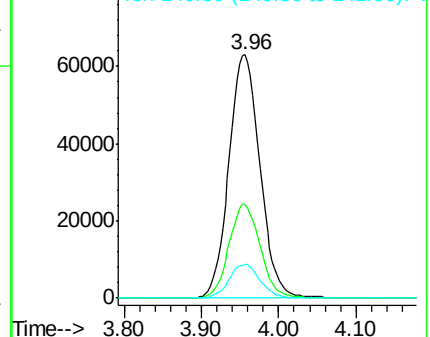
141 13.8 11.1 16.7

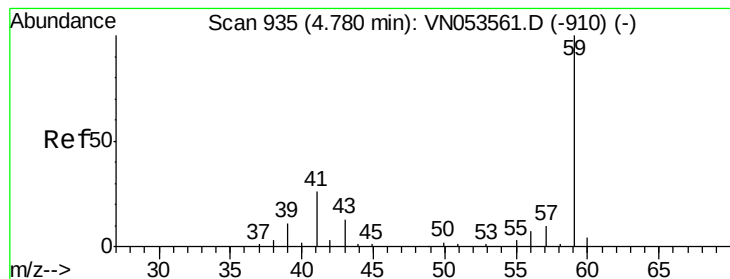


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



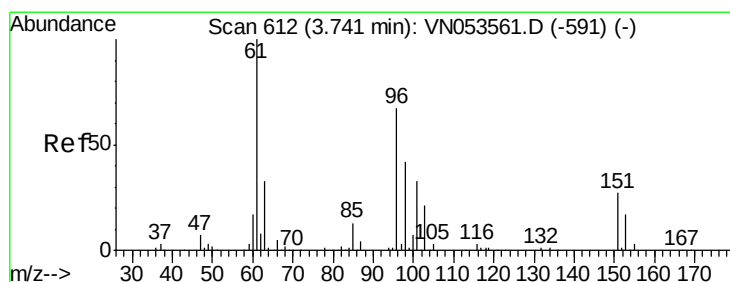
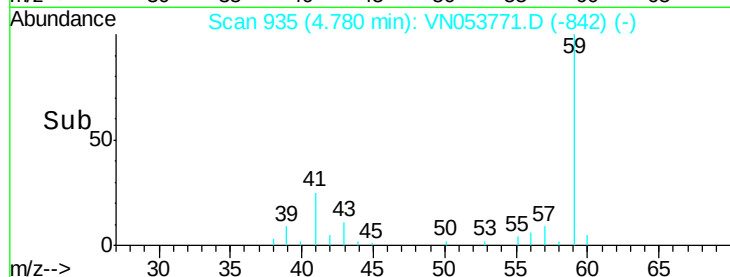
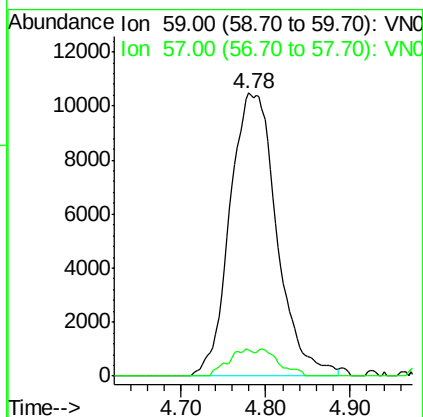
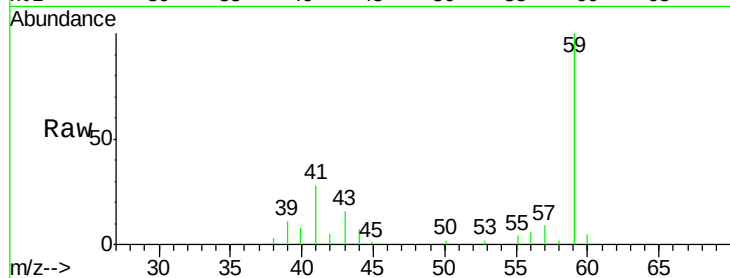


#11

Tert butyl alcohol
Concen: 101.103 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampled :

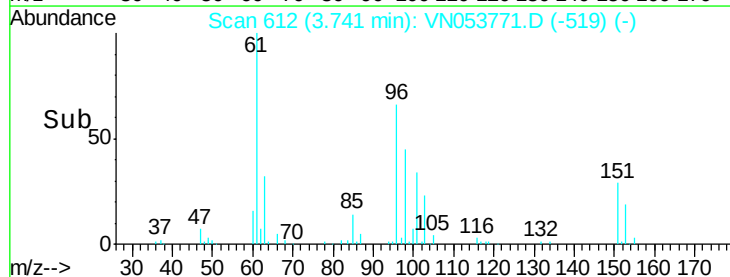
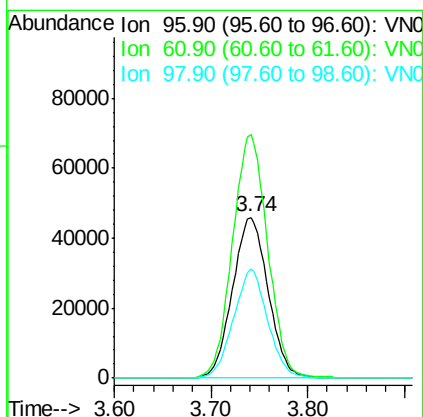
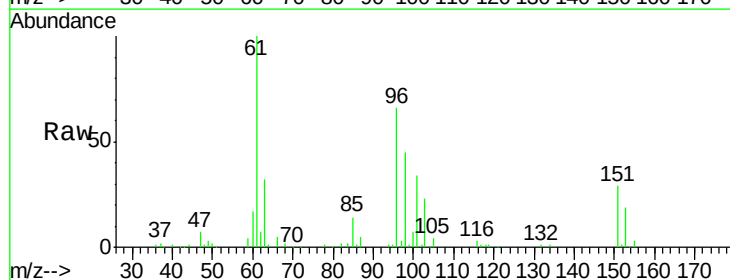
Tot Ion: 59 Resp: 40442
Ion Ratio Lower Upper
59 100
57 5.1 8.2 12.4#

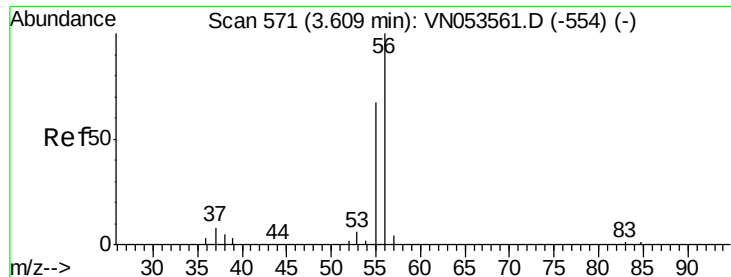


#12

1,1-Dichloroethene
Concen: 18.843 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion: 96 Resp: 117563
Ion Ratio Lower Upper
96 100
61 151.3 122.9 184.3
98 67.8 49.4 74.0





#13

Acrolein

Concen: 29.570 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

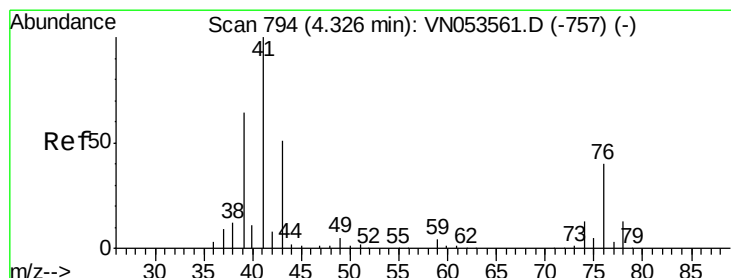
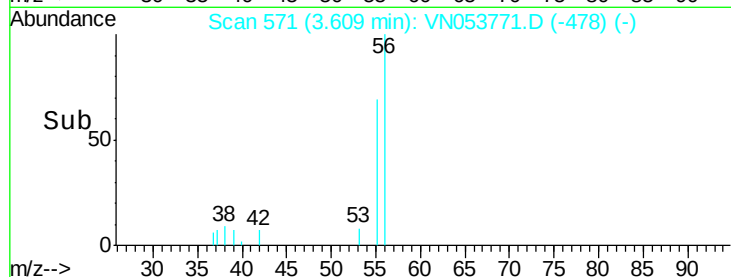
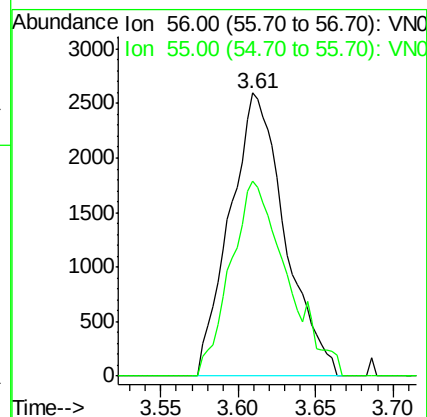
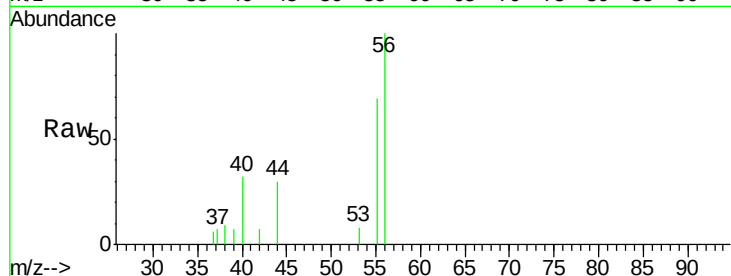
ClientSampled :

Tot Ion: 56 Resp: 6440

Ion Ratio Lower Upper

56 100

55 70.6 57.4 86.0



#14

Allyl chloride

Concen: 18.407 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

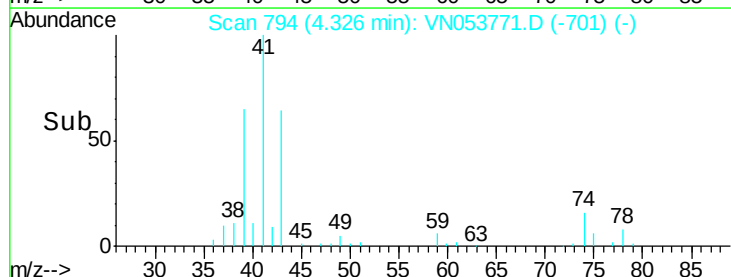
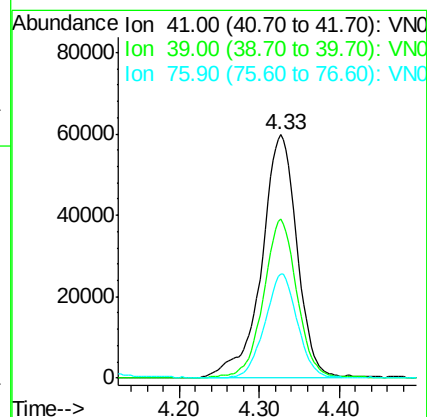
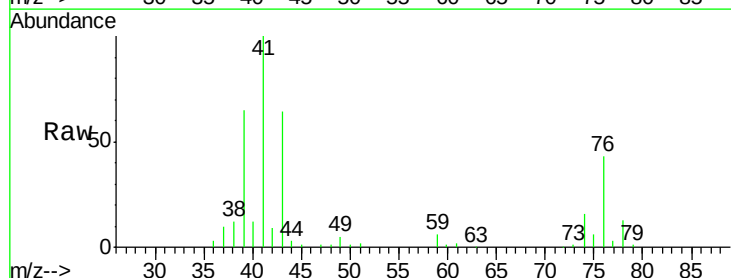
Tgt Ion: 41 Resp: 182854

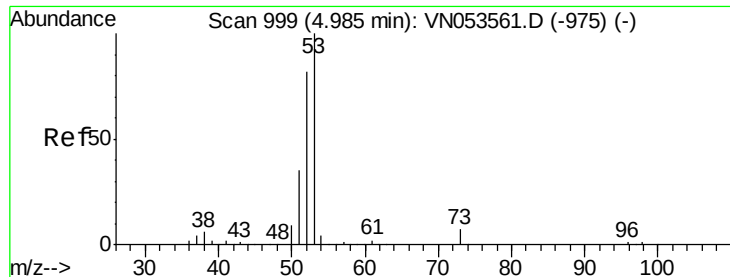
Ion Ratio Lower Upper

41 100

39 61.9 48.9 73.3

76 39.5 29.4 44.2





#15

Acrylonitrile

Concen: 101.408 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

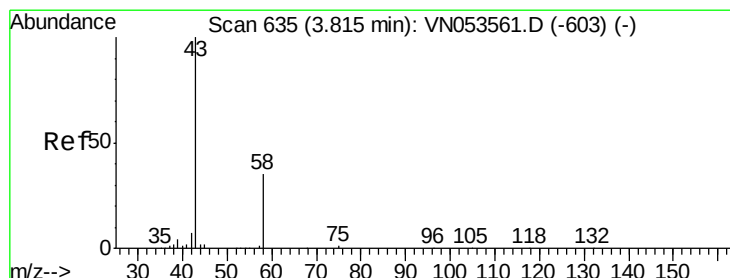
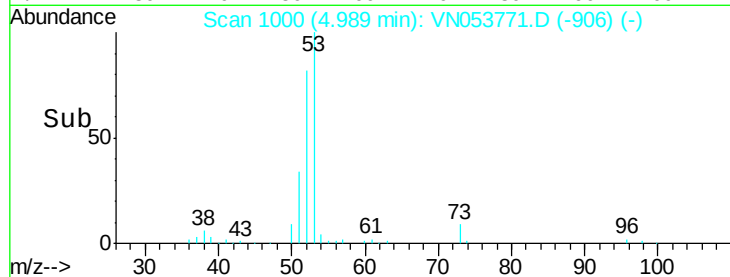
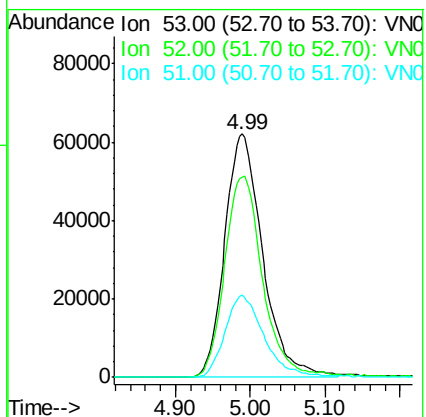
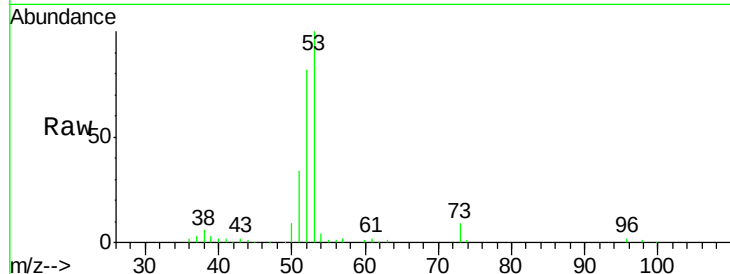
Tot Ion: 53 Resp: 218984

Ion Ratio Lower Upper

53 100

52 81.6 66.0 99.0

51 34.5 28.3 42.5



#16

Acetone

Concen: 109.935 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053771.D

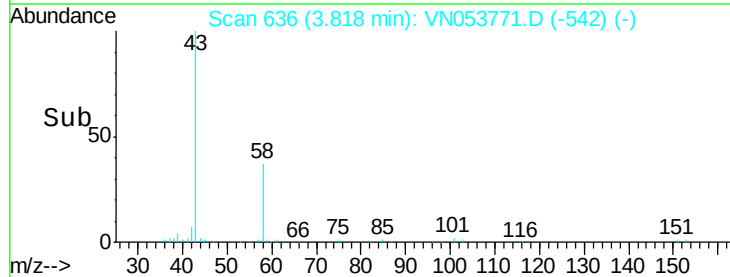
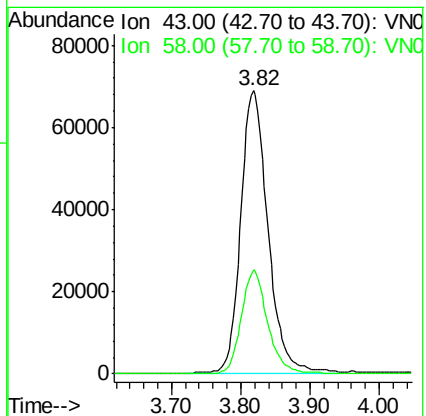
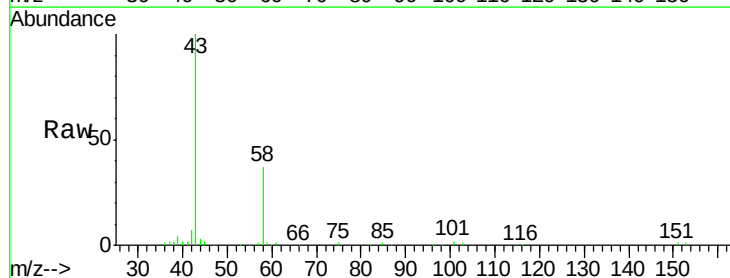
Acq: 14 Feb 2019 11:35

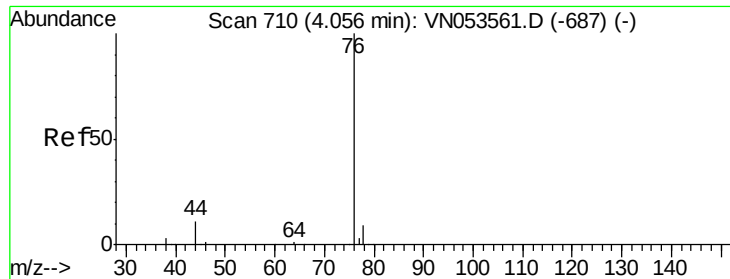
Tgt Ion: 43 Resp: 190592

Ion Ratio Lower Upper

43 100

58 36.7 27.1 40.7





#17

Carbon Disulfide

Concen: 16.515 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

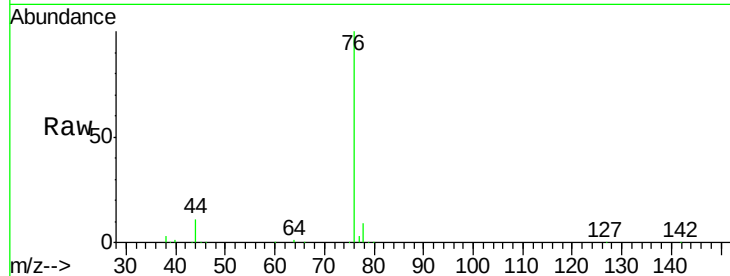
ClientSampled :

Tot Ion: 76 Resp: 320837

Ion Ratio Lower Upper

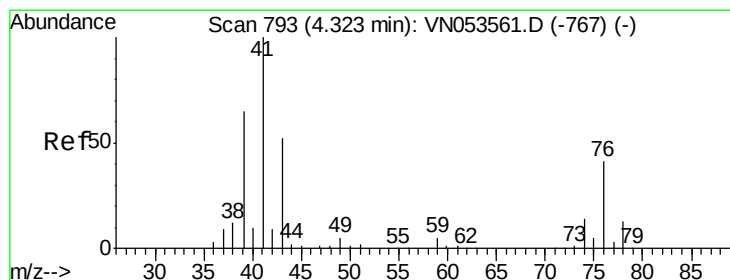
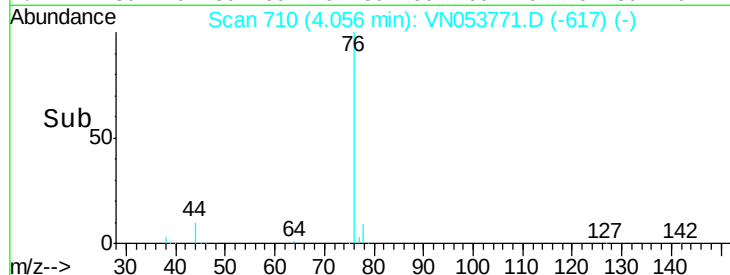
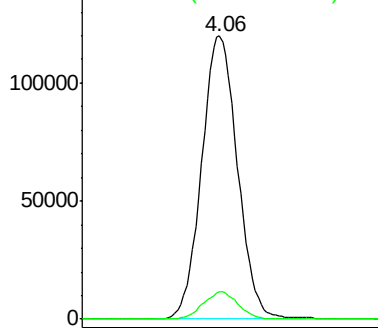
76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.818 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053771.D

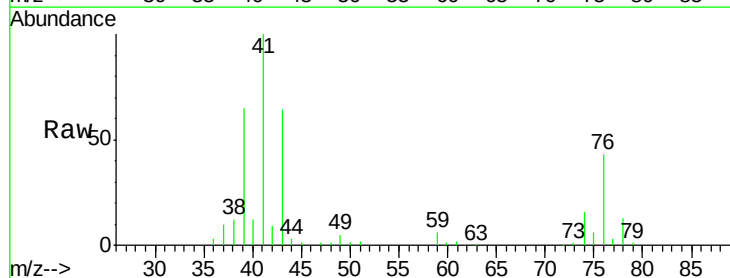
Acq: 14 Feb 2019 11:35

Tgt Ion: 43 Resp: 112021

Ion Ratio Lower Upper

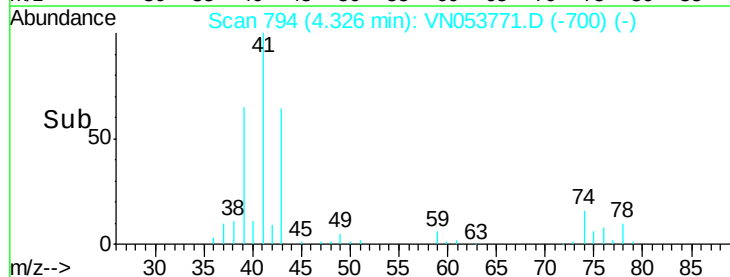
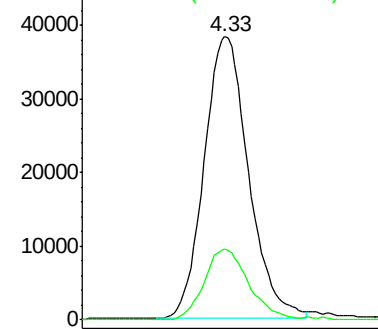
43 100

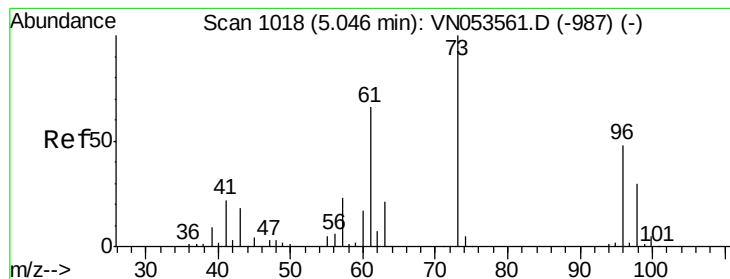
74 25.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



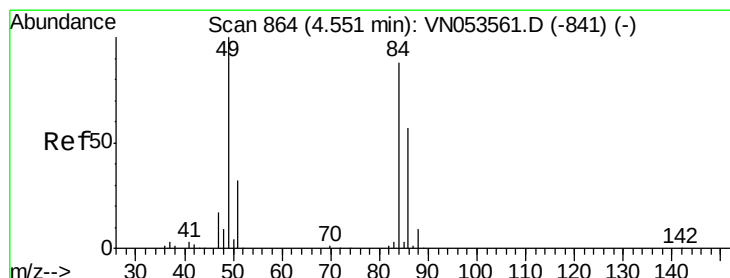
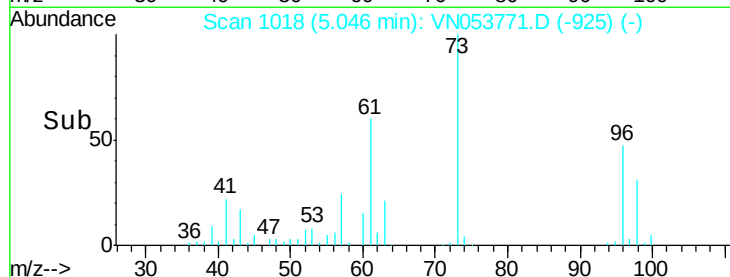
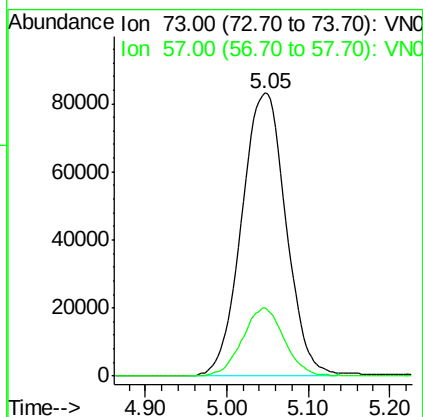
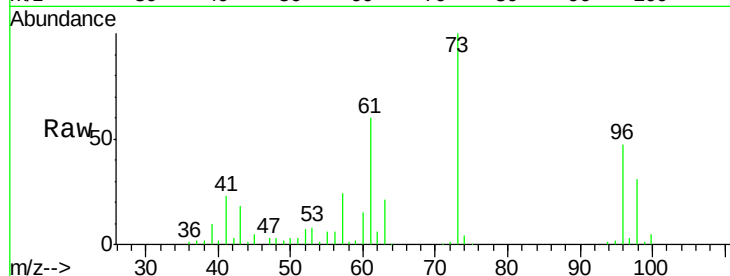


#19

Methyl tert-butyl Ether
 Concen: 19.832 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Instrument :
 MSVOA_N
 ClientSampled :

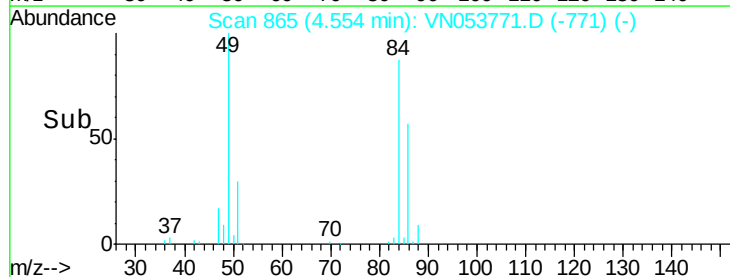
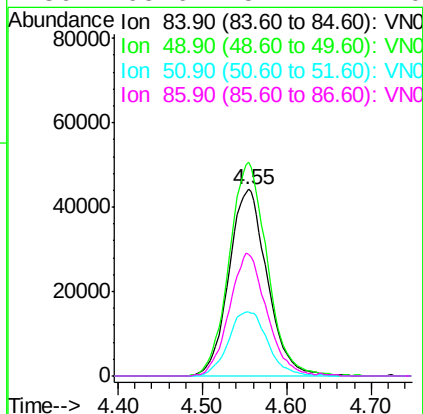
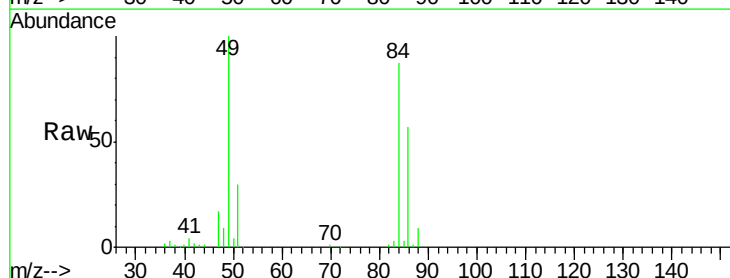
Tot Ion: 73 Resp: 313667
 Ion Ratio Lower Upper
 73 100
 57 24.2 18.3 27.5

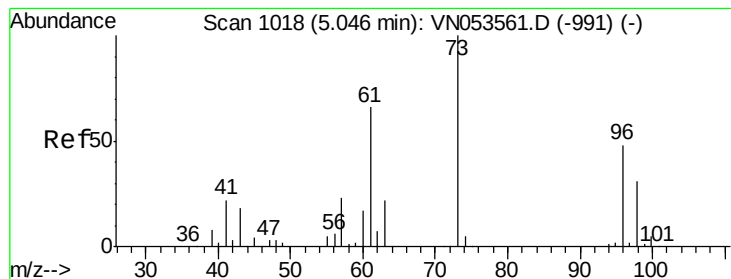


#20

Methylene Chloride
 Concen: 19.199 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion: 84 Resp: 139644
 Ion Ratio Lower Upper
 84 100
 49 114.6 94.3 141.5
 51 34.1 29.4 44.2
 86 65.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 18.769 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampled :

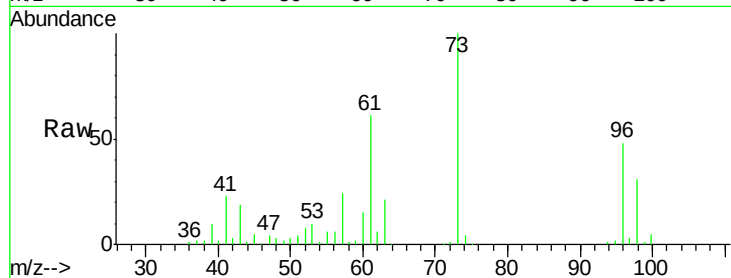
Tot Ion: 96 Resp: 126331

Ion Ratio Lower Upper

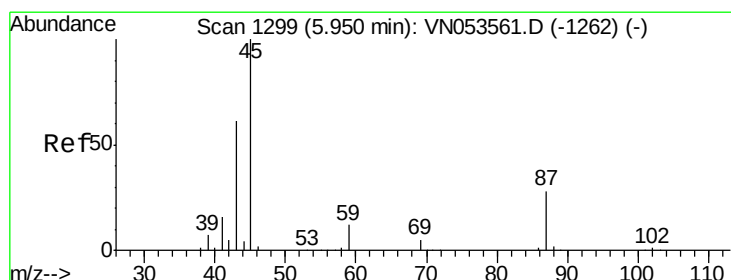
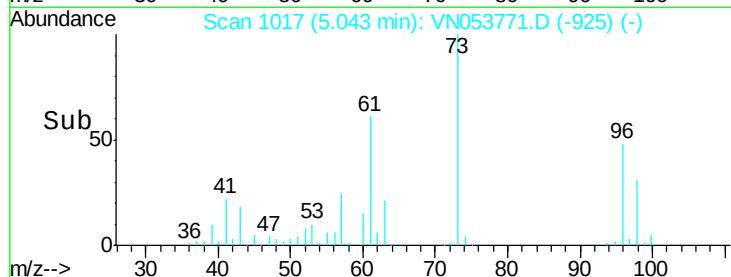
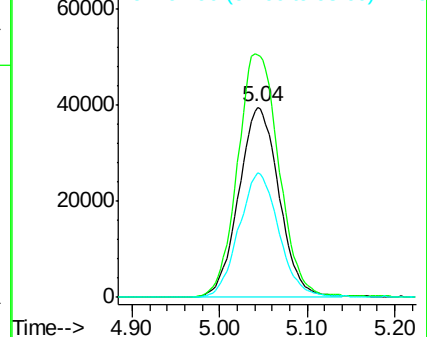
96 100

61 126.8 110.1 165.1

98 65.3 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: 19.299 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Tgt Ion: 45 Resp: 355232

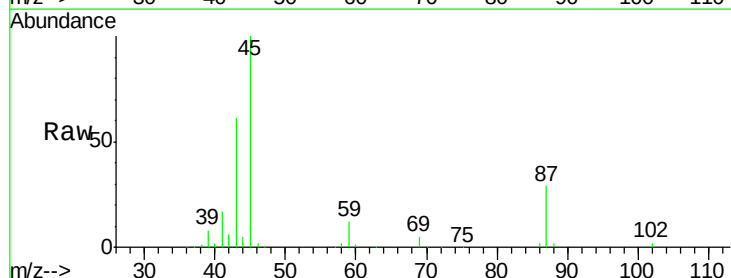
Ion Ratio Lower Upper

45 100

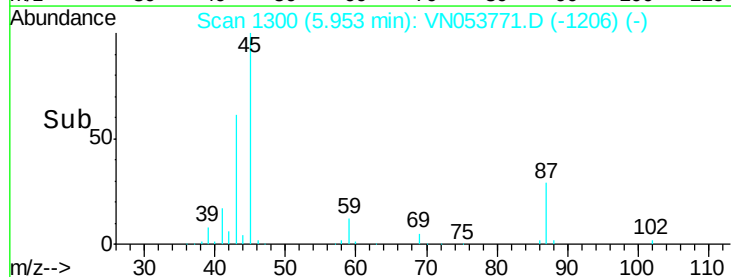
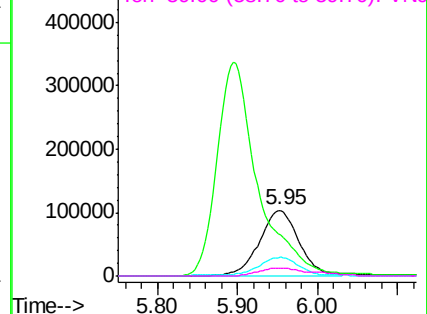
43 57.2 44.2 66.4

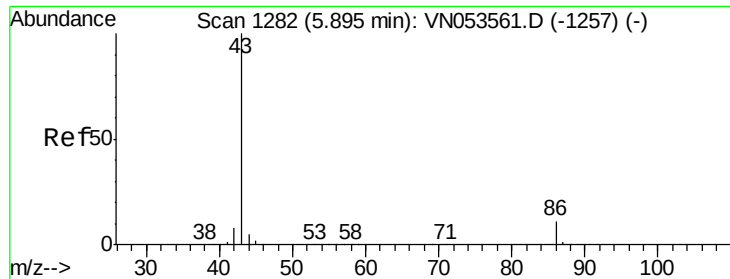
87 27.4 22.7 34.1

59 11.5 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

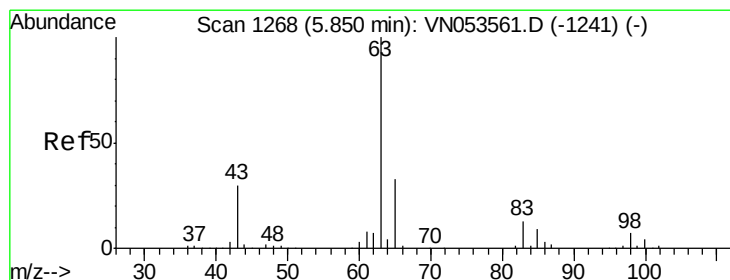
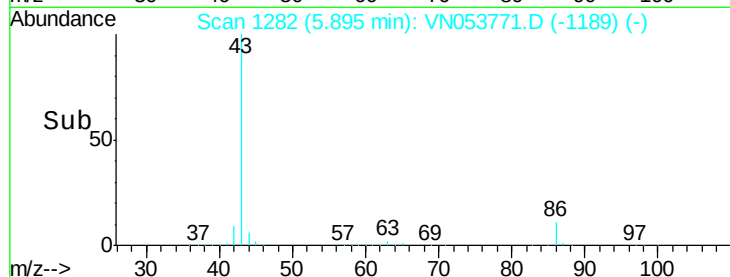
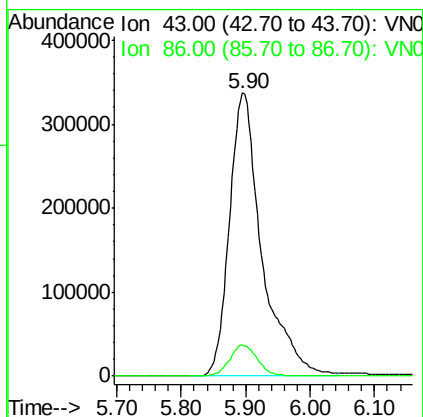
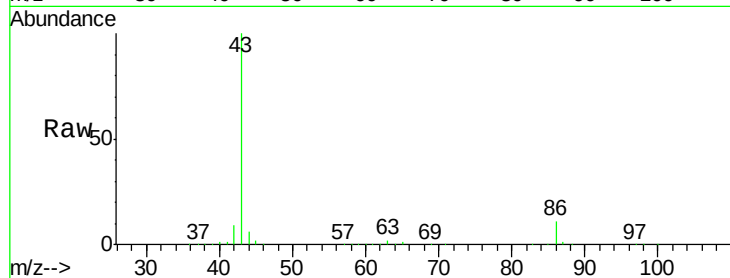




#23
 Vinyl Acetate
 Concen: 93.119 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

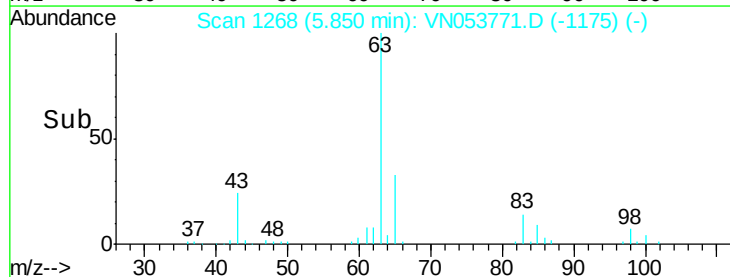
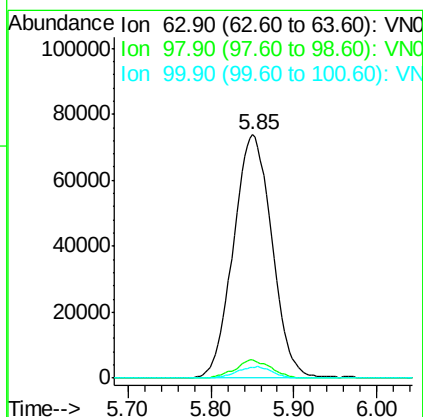
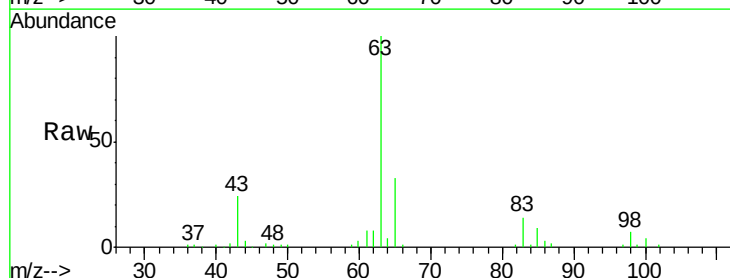
Instrument :
 MSVOA_N
 ClientSampled :

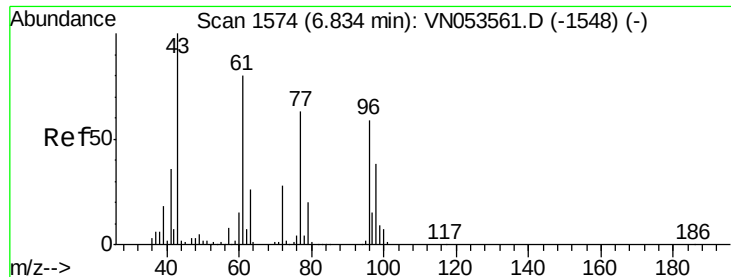
Tot Ion: 43 Resp: 1185721
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 19.426 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion: 63 Resp: 238491
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.3 9.9
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 99.806 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

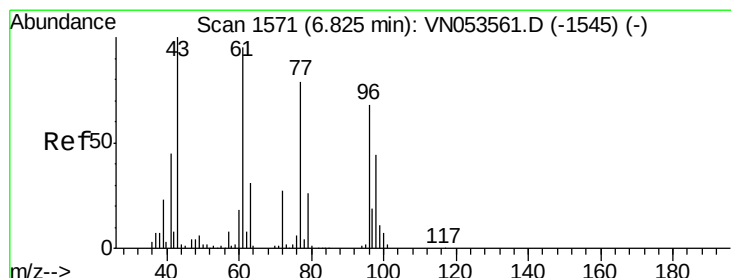
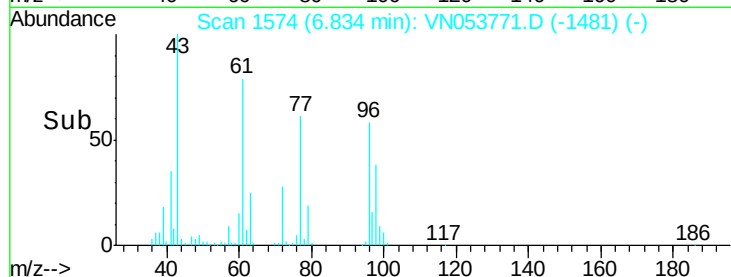
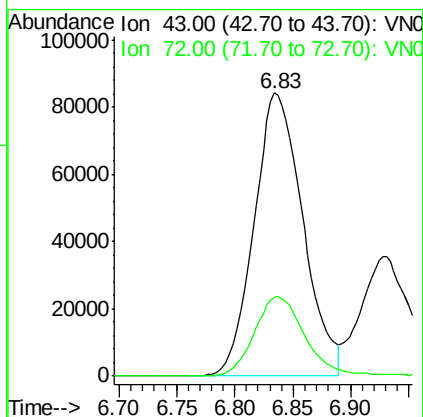
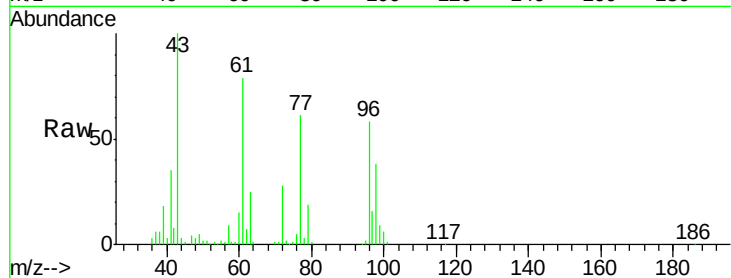
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 246780

Ion Ratio Lower Upper

43 100

72 28.0 22.0 33.0



#26

2,2-Dichloropropane

Concen: 18.940 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053771.D

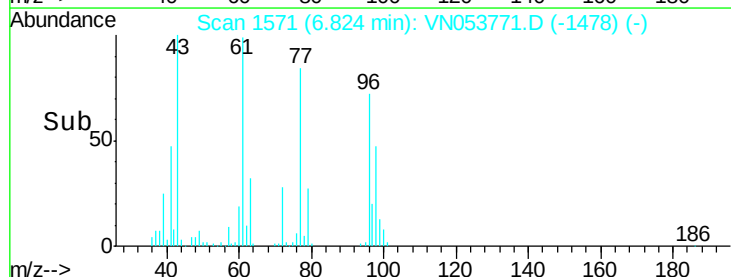
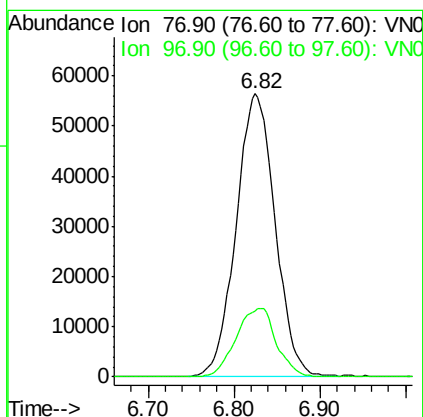
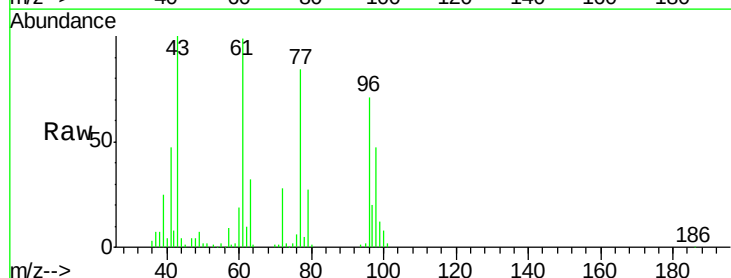
Acq: 14 Feb 2019 11:35

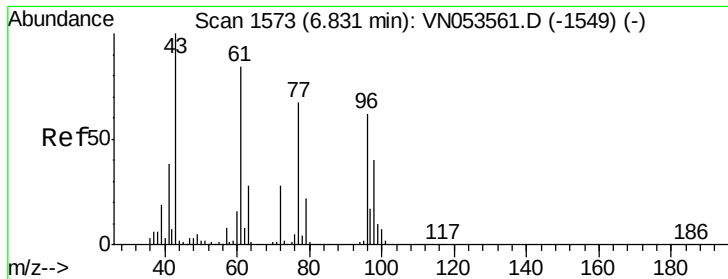
Tgt Ion: 77 Resp: 177501

Ion Ratio Lower Upper

77 100

97 25.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.731 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampled :

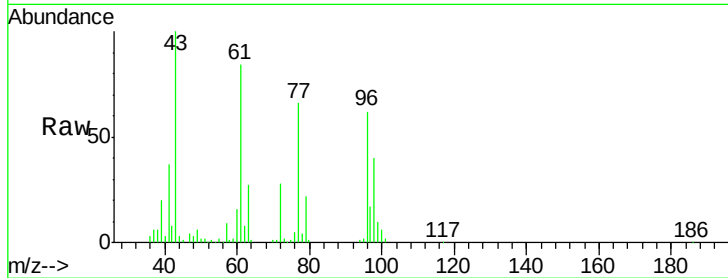
Tot Ion: 96 Resp: 147681

Ion Ratio Lower Upper

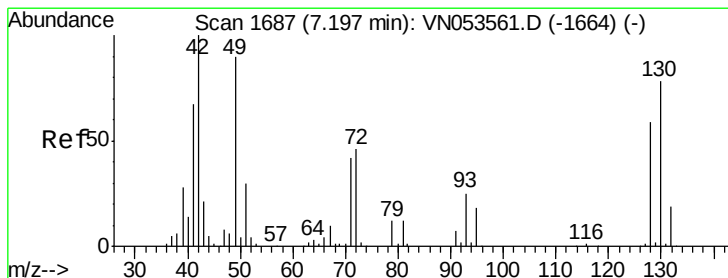
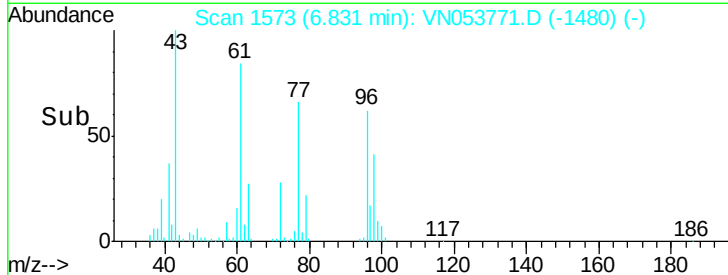
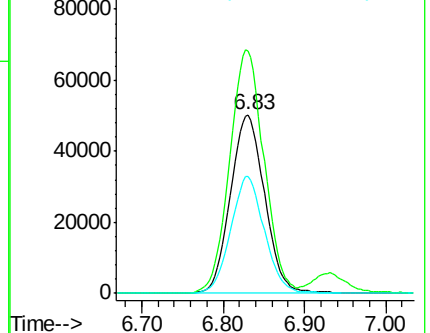
96 100

61 136.5 0.0 283.8

98 64.3 0.0 129.2



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



#28

Bromochloromethane

Concen: 18.229 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

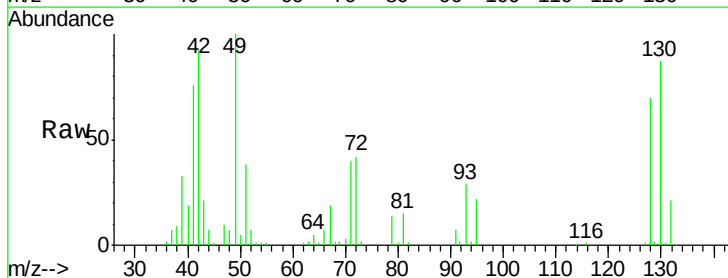
Tgt Ion: 49 Resp: 97120

Ion Ratio Lower Upper

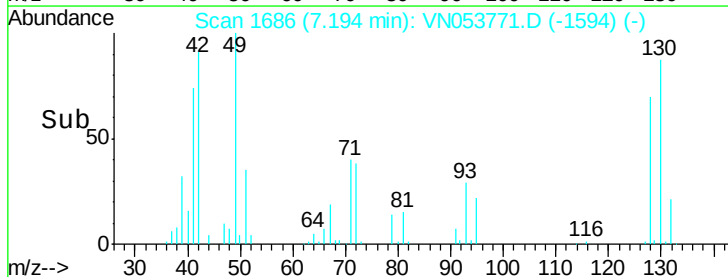
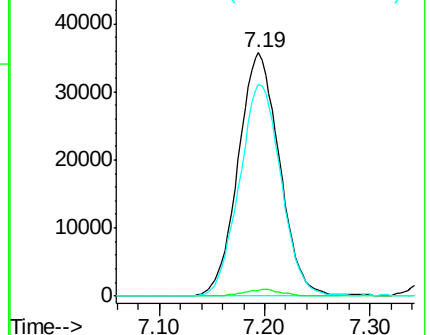
49 100

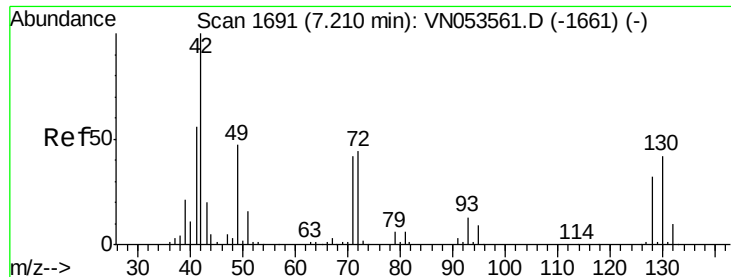
129 2.4 0.0 4.0

130 87.6 66.3 99.5



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

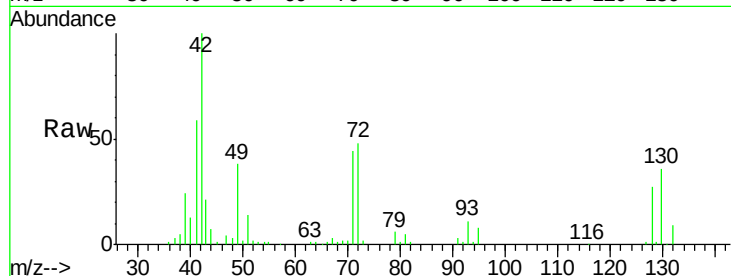




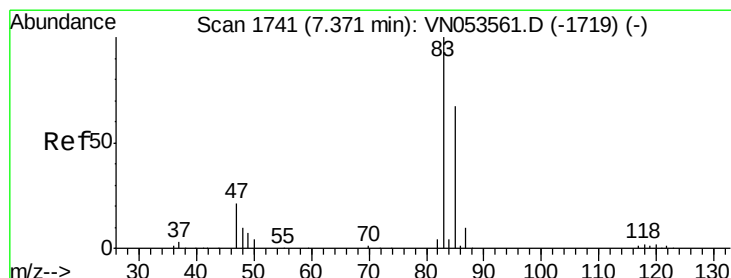
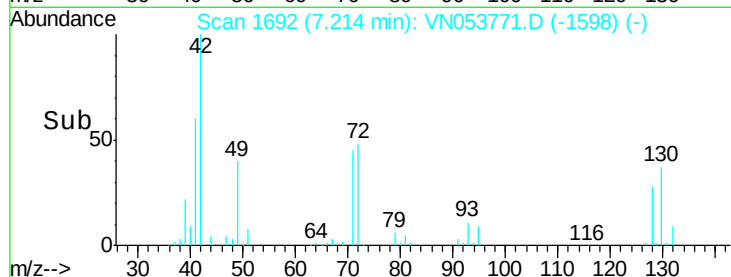
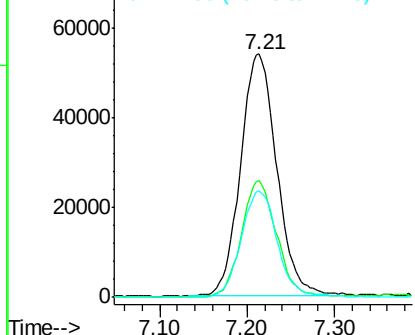
#29
Tetrahydrofuran
Concen: 97.950 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 155518
Ion Ratio Lower Upper
42 100
72 47.2 35.2 52.8
71 43.3 33.0 49.4

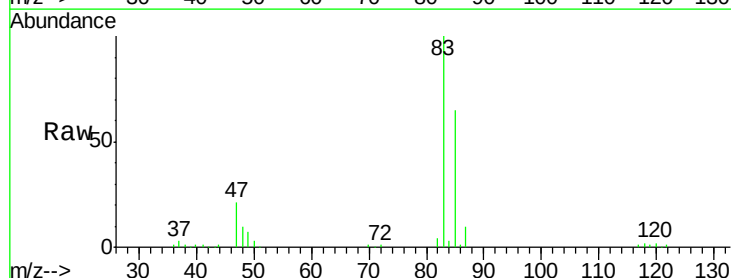


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

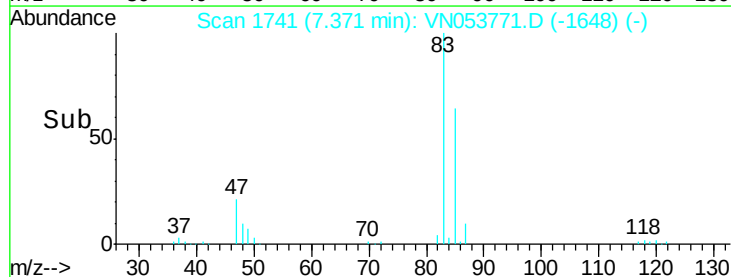
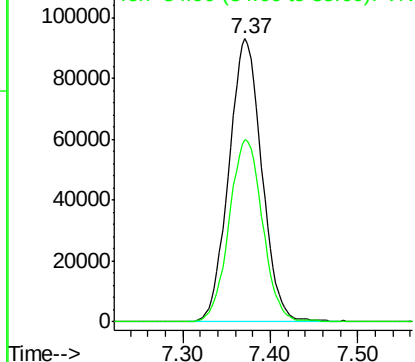


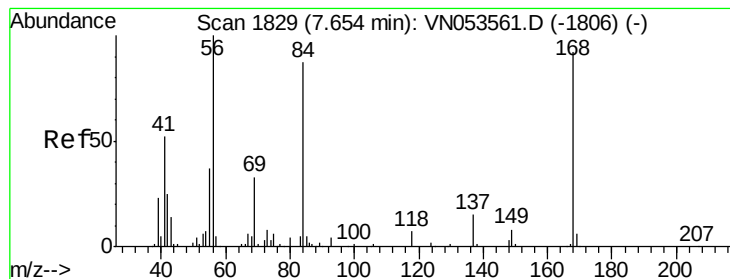
#30
Chloroform
Concen: 19.967 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion: 83 Resp: 243005
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.2



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





#31

Cyclohexane

Concen: 17.864 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampled :

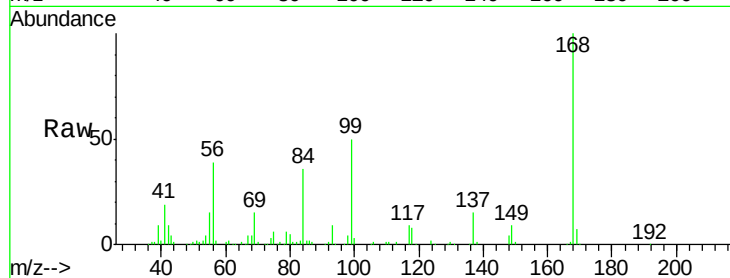
Tot Ion: 56 Resp: 205439

Ion Ratio Lower Upper

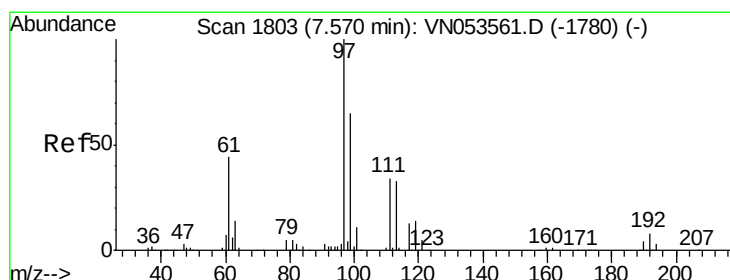
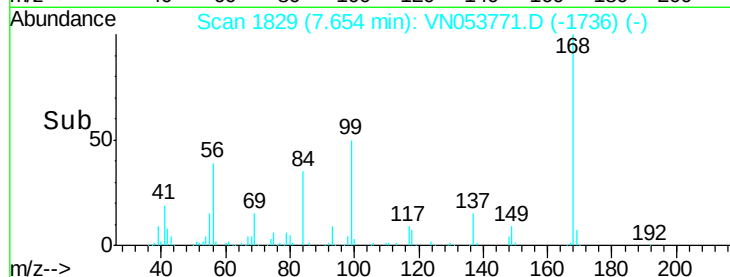
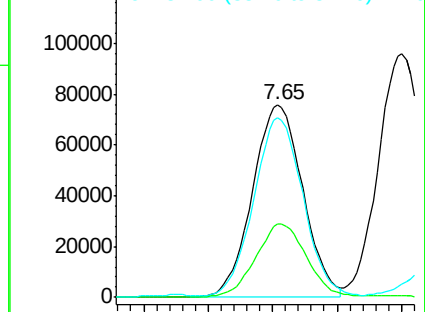
56 100

69 38.0 26.4 39.6

84 92.5 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: 19.713 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

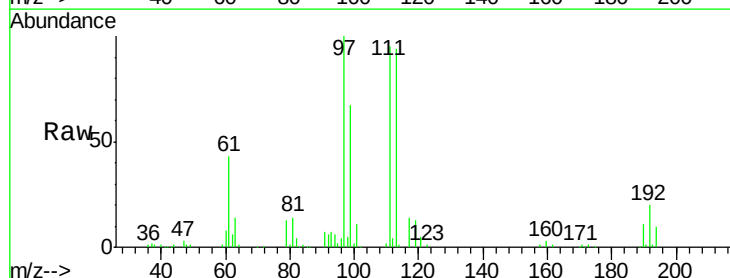
Tgt Ion: 97 Resp: 199650

Ion Ratio Lower Upper

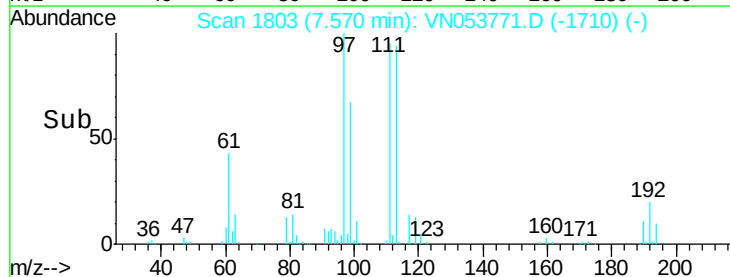
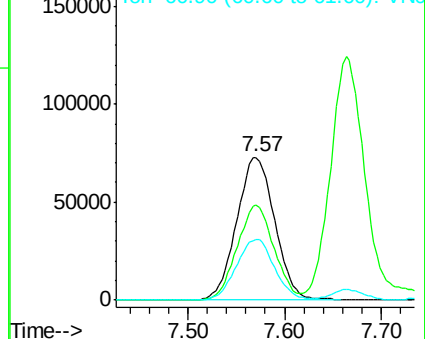
97 100

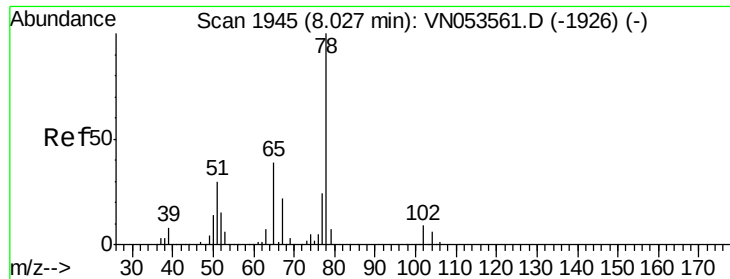
99 64.4 52.0 78.0

61 42.3 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

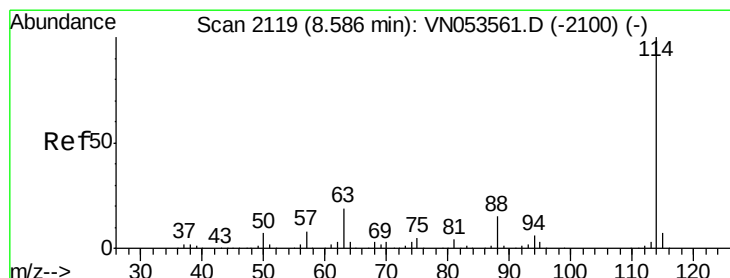
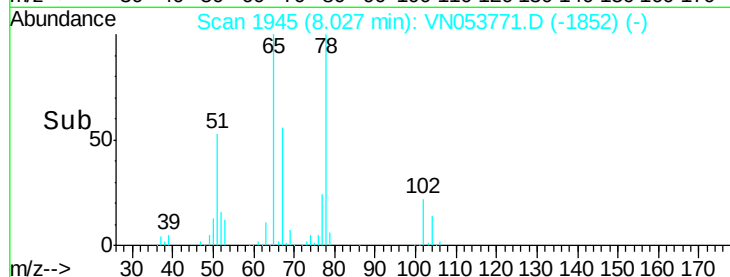
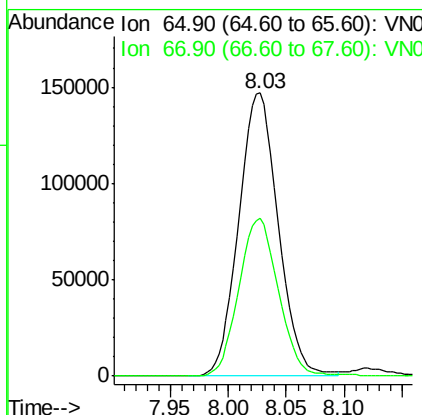
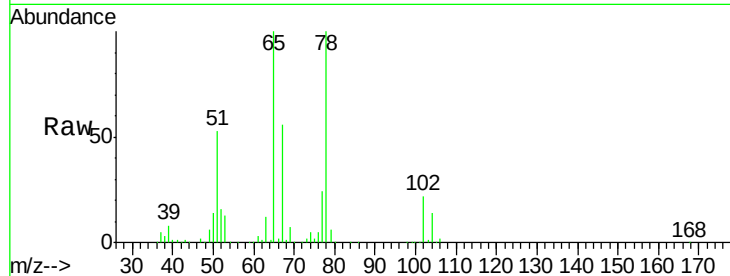




#33
 1,2-Dichloroethane-d4
 Concen: 51.719 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

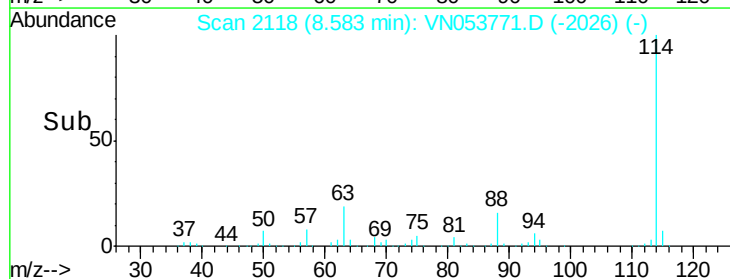
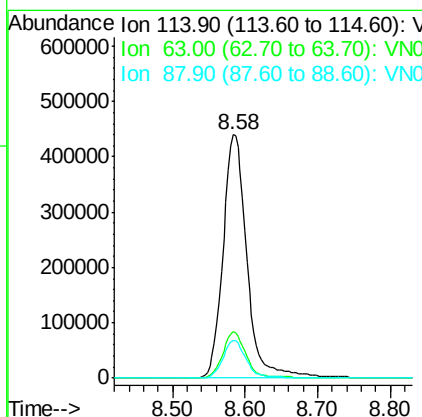
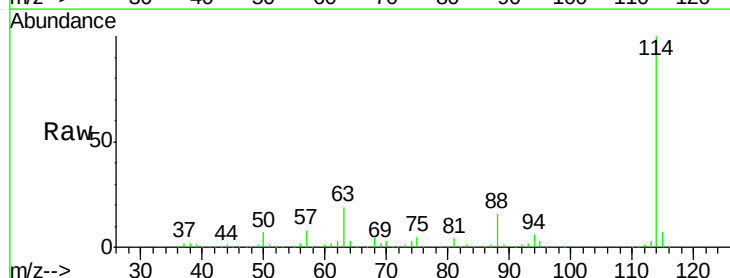
Instrument :
 MSVOA_N
 ClientSampleId :

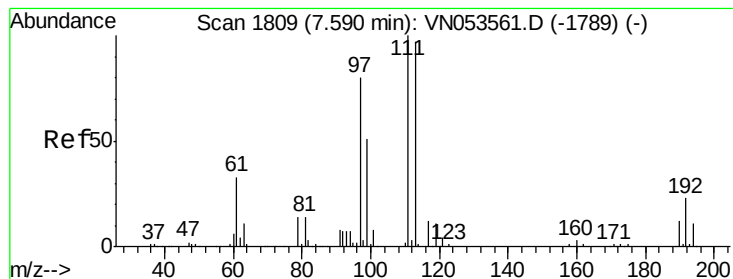
Tot Ion: 65 Resp: 349566
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion: 114 Resp: 1009239
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.781 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :

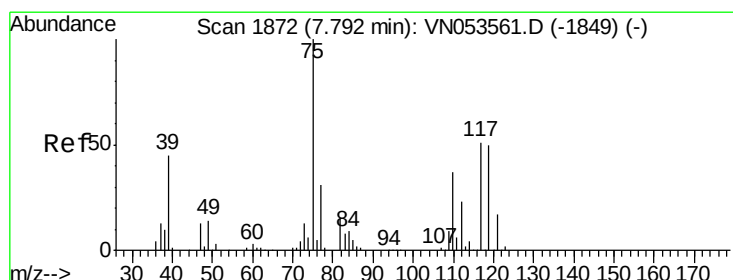
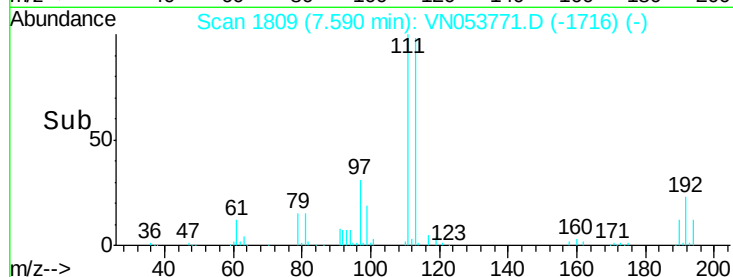
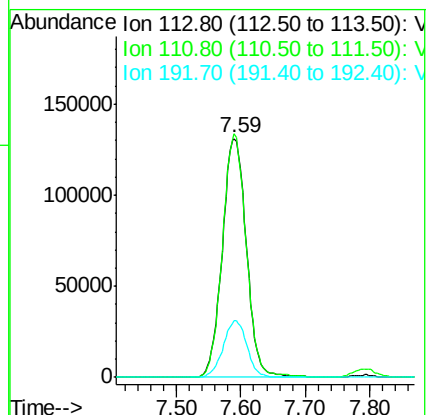
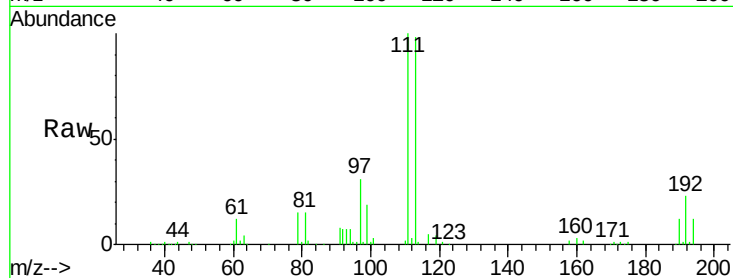
Tot Ion:113 Resp: 342969

Ion Ratio Lower Upper

113 100

111 100.0 81.1 121.7

192 23.1 18.2 27.2



#36

1,1-Dichloropropene

Concen: 19.109 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

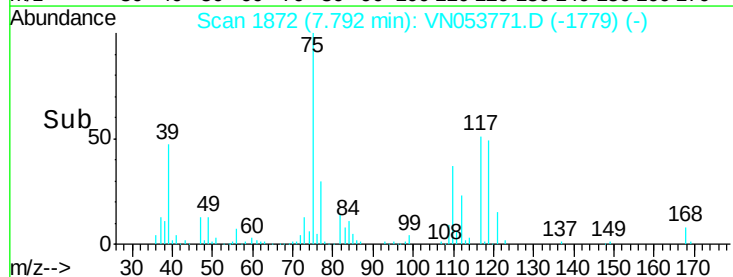
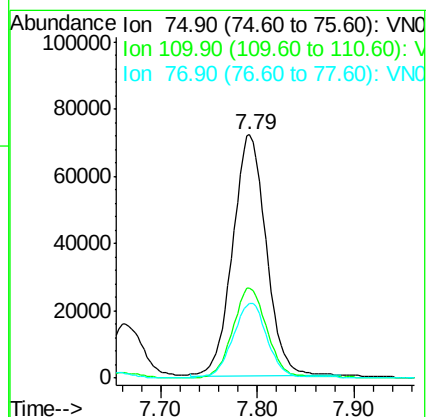
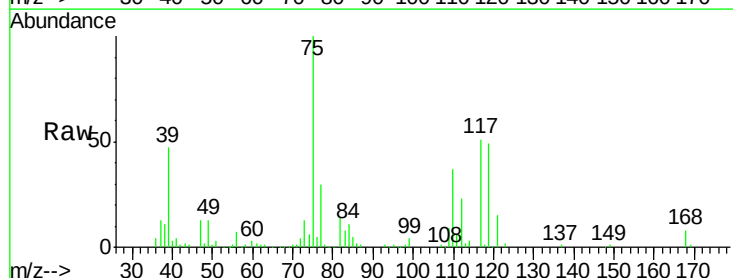
Tgt Ion: 75 Resp: 173847

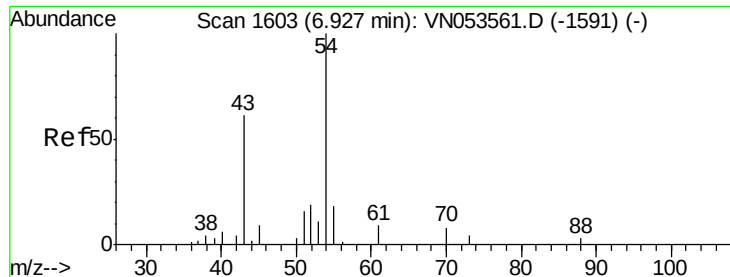
Ion Ratio Lower Upper

75 100

110 37.9 18.1 54.3

77 31.7 25.1 37.7

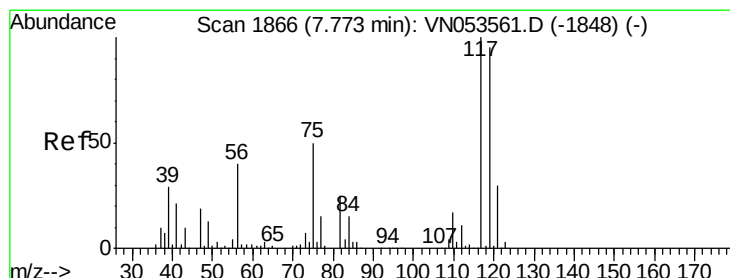
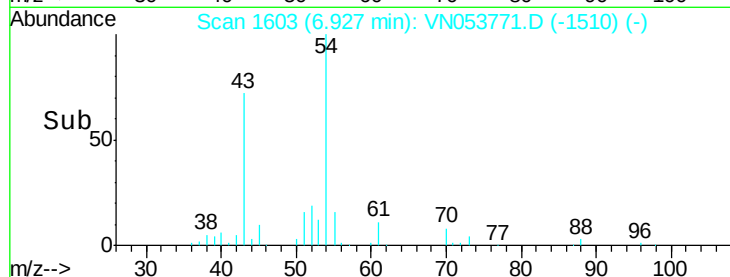
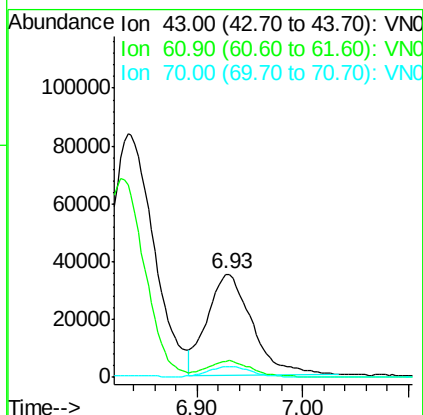
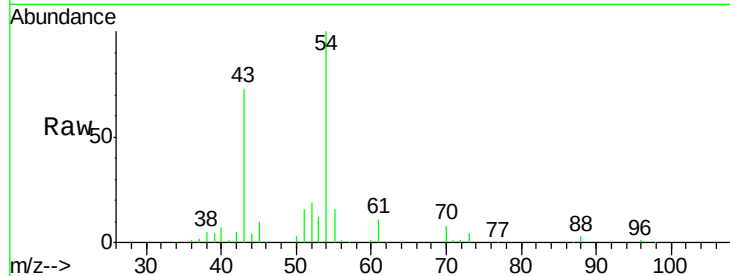




#37
Ethyl Acetate
Concen: 20.450 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

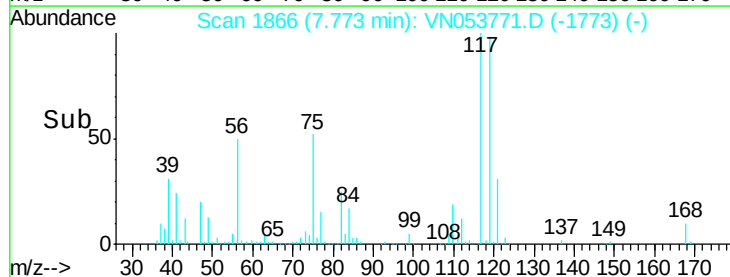
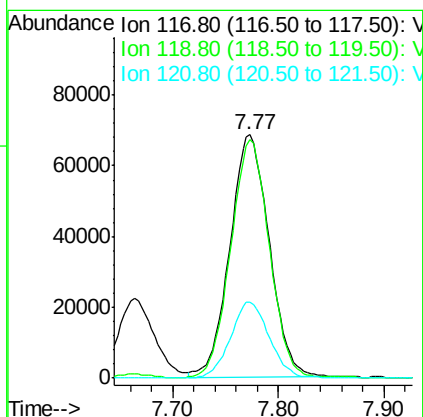
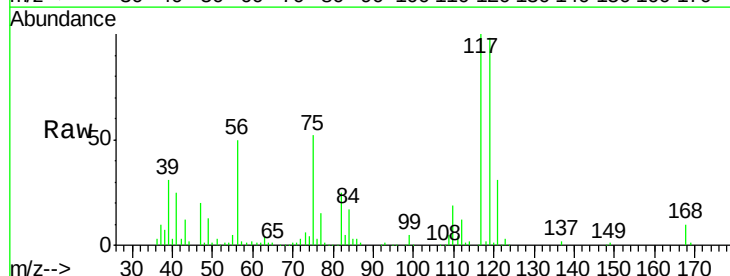
Instrument :
MSVOA_N
ClientSampled :

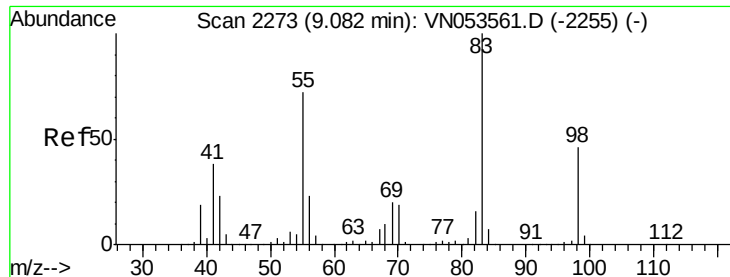
Tot Ion: 43 Resp: 103906
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 10.5 8.6 12.8



#38
Carbon Tetrachloride
Concen: 19.298 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion: 117 Resp: 176867
Ion Ratio Lower Upper
117 100
119 98.0 77.2 115.8
121 31.2 24.6 37.0

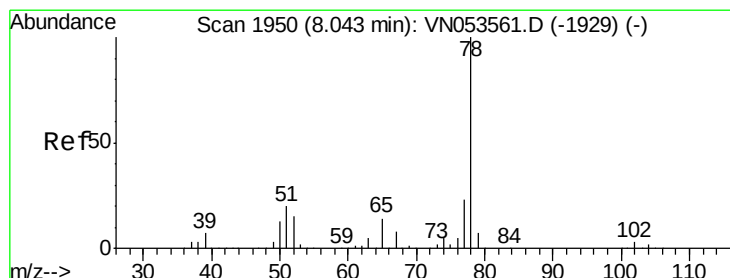
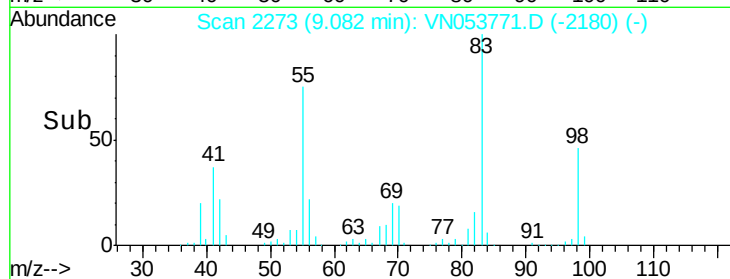
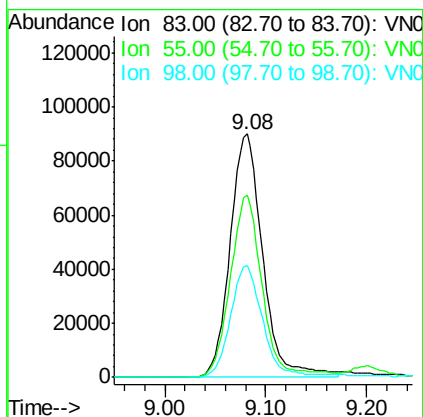
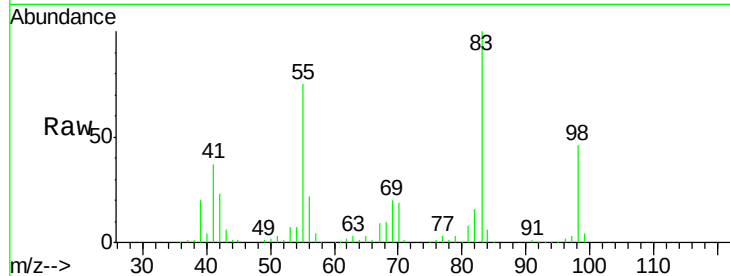




#39
Methylvlcyclohexane
Concen: 18.808 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

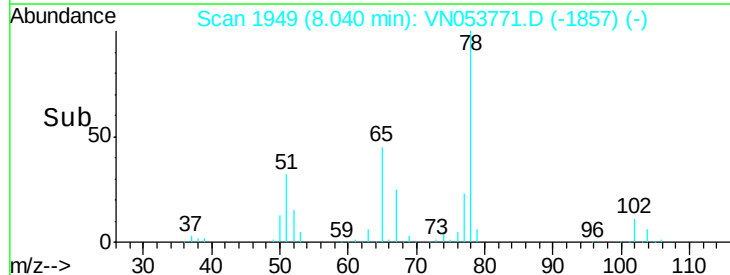
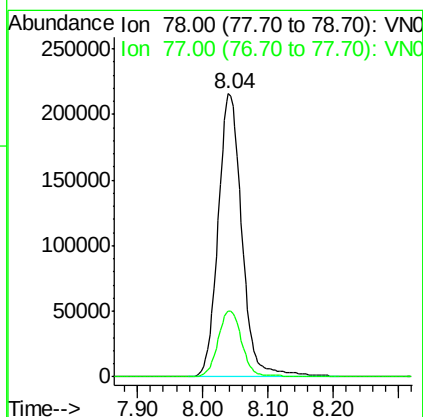
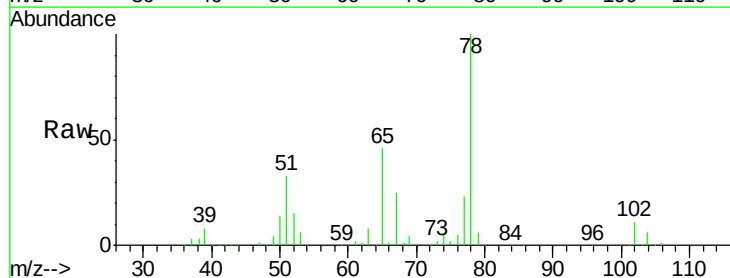
Instrument :
MSVOA_N
ClientSampleId :

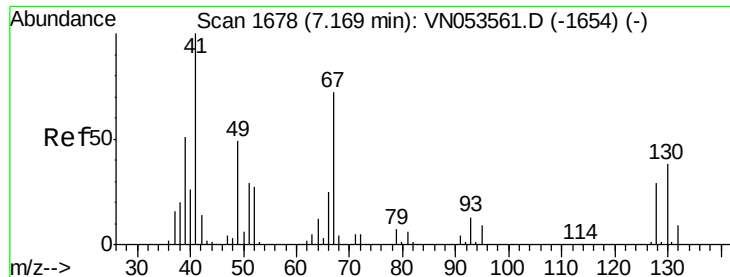
Tot Ion: 83 Resp: 203004
Ion Ratio Lower Upper
83 100
55 74.7 60.1 90.1
98 45.8 36.6 55.0



#40
Benzene
Concen: 19.492 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion: 78 Resp: 546837
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

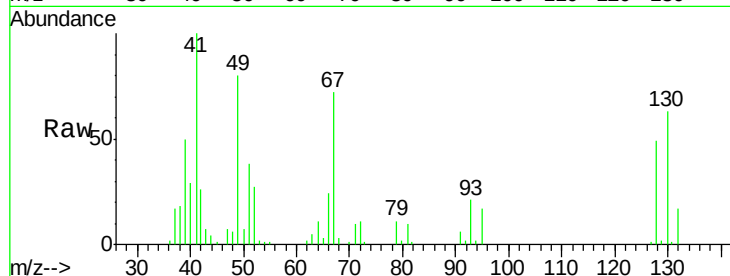




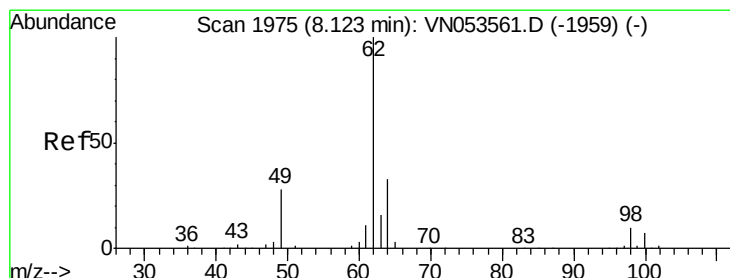
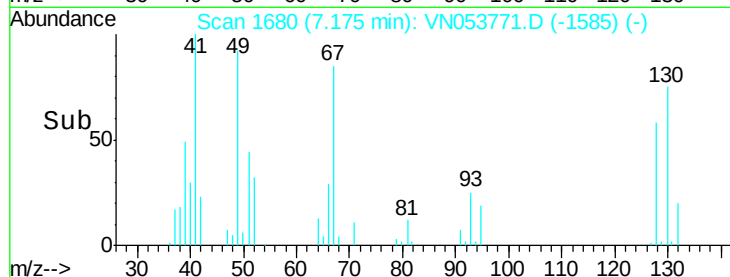
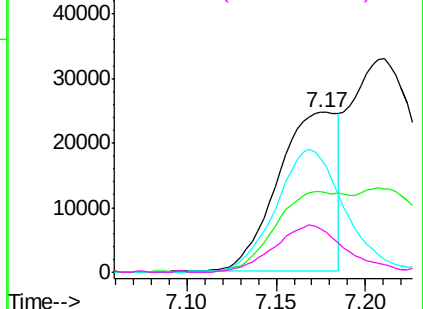
#41
Methacrylonitrile
Concen: 20.151 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 57225
Ion Ratio Lower Upper
41 100
39 59.8 46.8 70.2
67 90.0 63.0 94.6
52 35.2 23.8 35.8

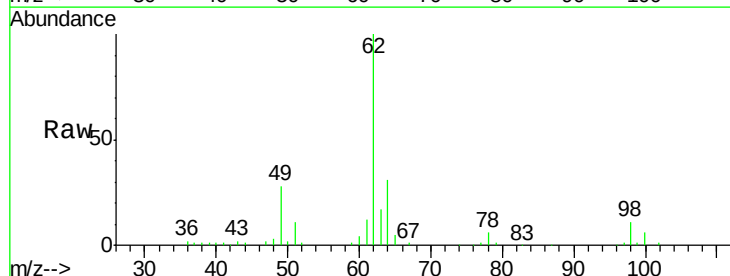


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

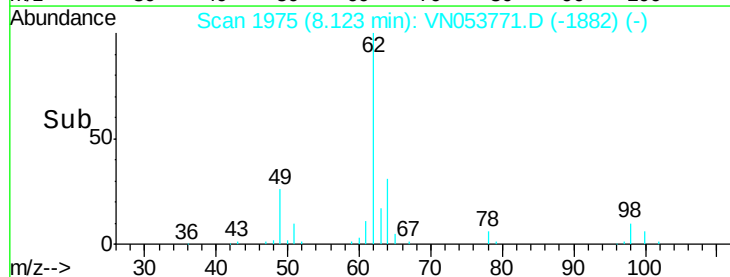
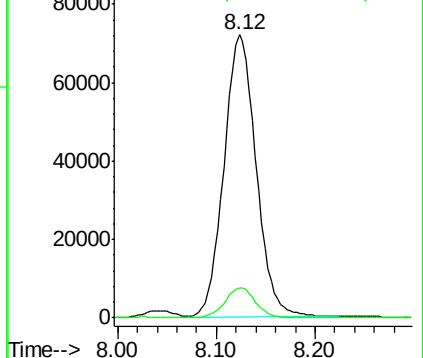


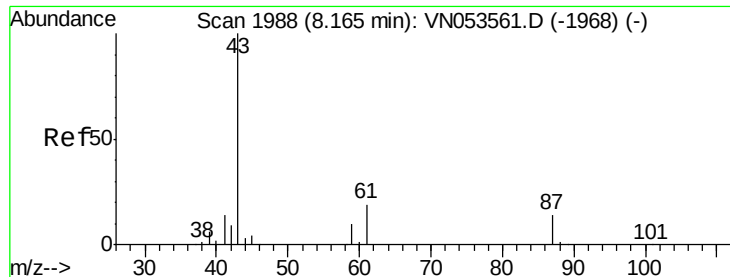
#42
1,2-Dichloroethane
Concen: 19.649 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion: 62 Resp: 163678
Ion Ratio Lower Upper
62 100
98 10.2 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: 18.736 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

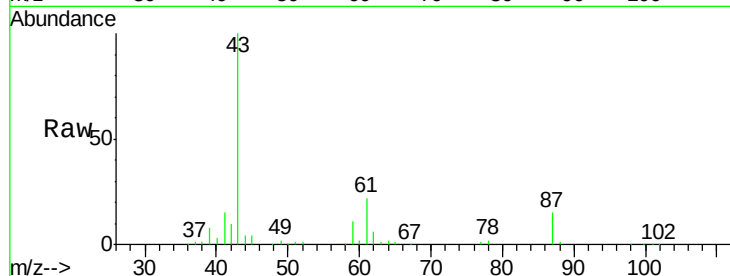
Tot Ion: 43 Resp: 183851

Ion Ratio Lower Upper

43 100

61 20.3 23.9 35.9#

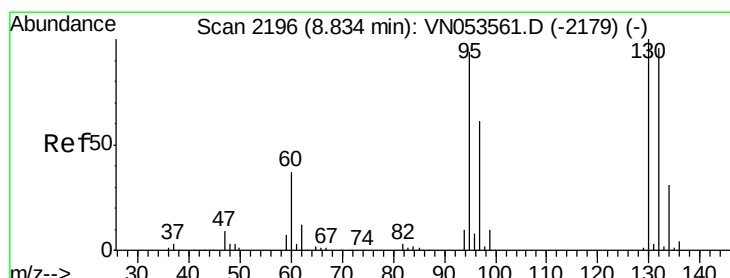
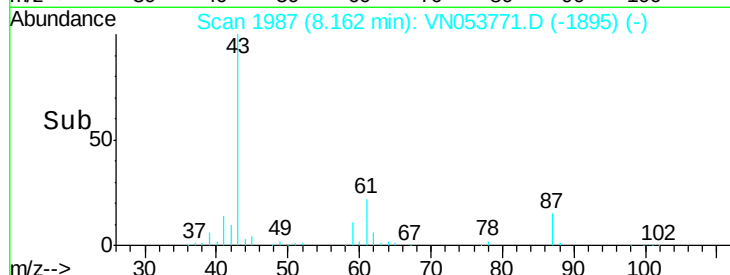
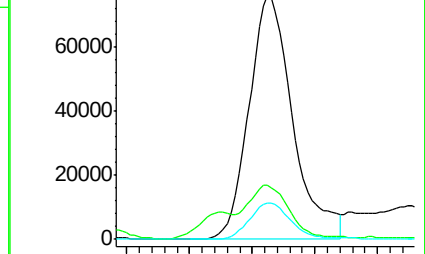
87 14.1 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053771.D (-1987) (-)

Ion 61.00 (60.70 to 61.70): VN053771.D (-1987) (-)

Ion 87.00 (86.70 to 87.70): VN053771.D (-1987) (-)



#44

Trichloroethene

Concen: 18.875 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053771.D

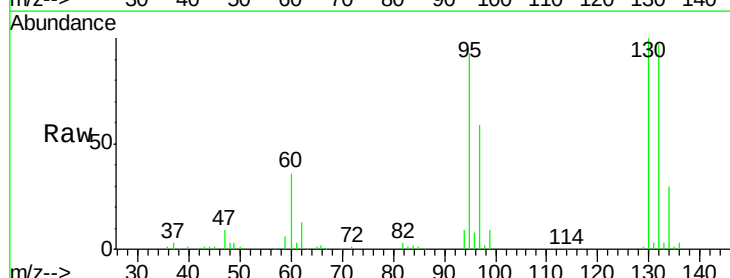
Acq: 14 Feb 2019 11:35

Tgt Ion:130 Resp: 150758

Ion Ratio Lower Upper

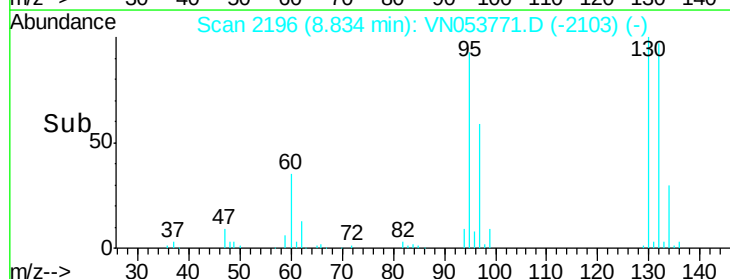
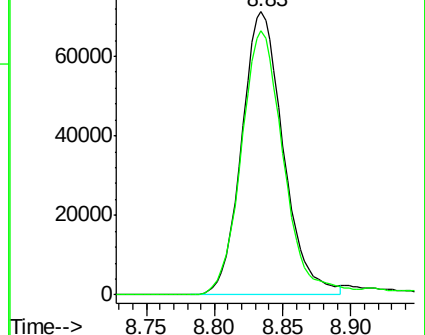
130 100

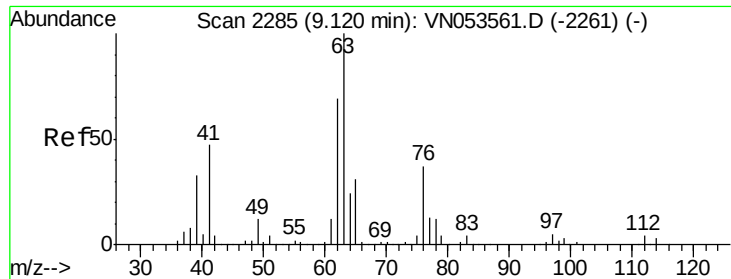
95 93.4 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053771.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN053771.D (-2196) (-)

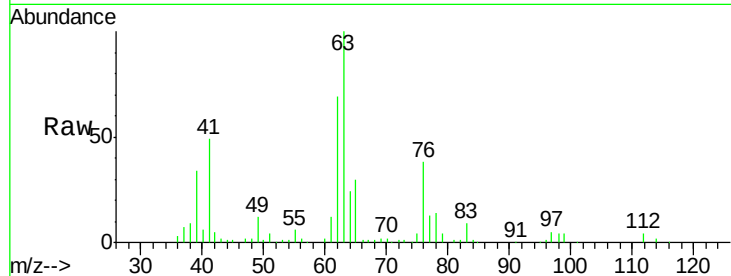




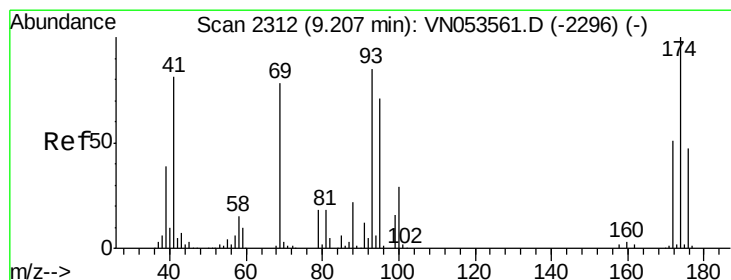
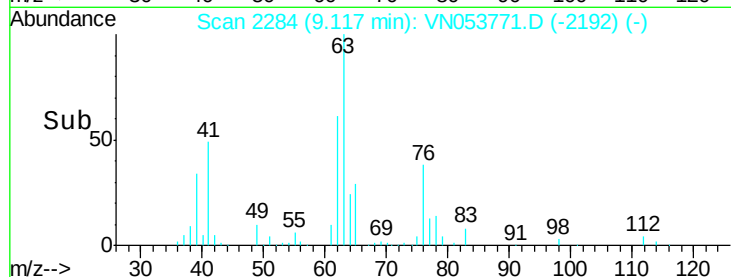
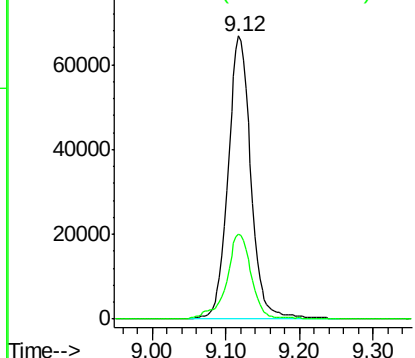
#45
 1,2-Dichloropropane
 Concen: 20.059 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 143939
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4

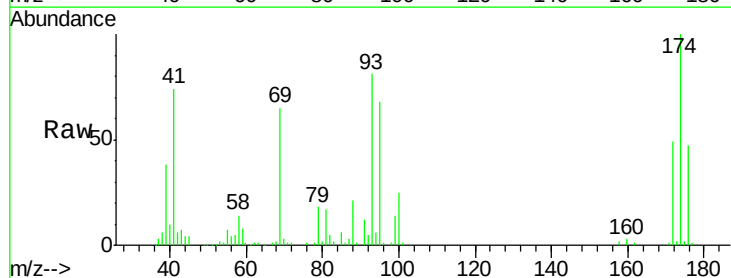


Abundance Ion 62.90 (62.60 to 63.60): VNO
 Ion 64.90 (64.60 to 65.60): VNO

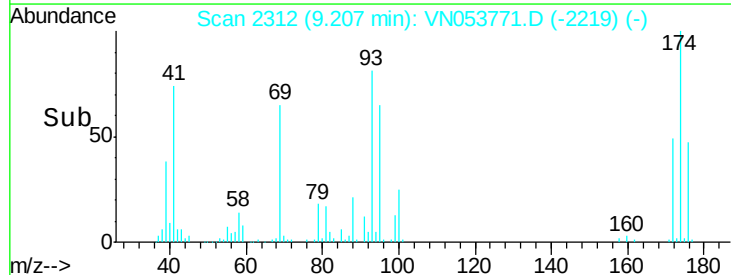
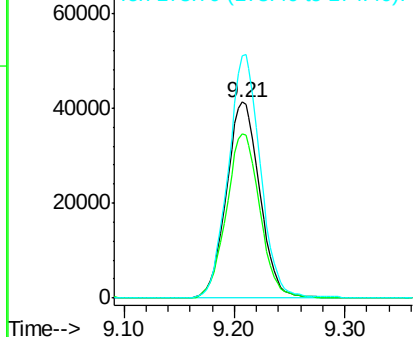


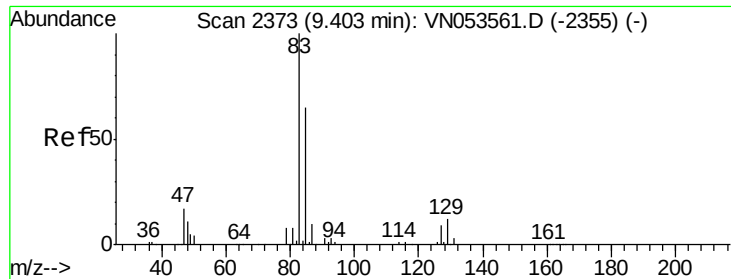
#46
 Dibromomethane
 Concen: 19.953 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion: 93 Resp: 86308
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.3 100.9
 174 120.4 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VNO
 Ion 94.80 (94.50 to 95.50): VNO
 Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.348 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :

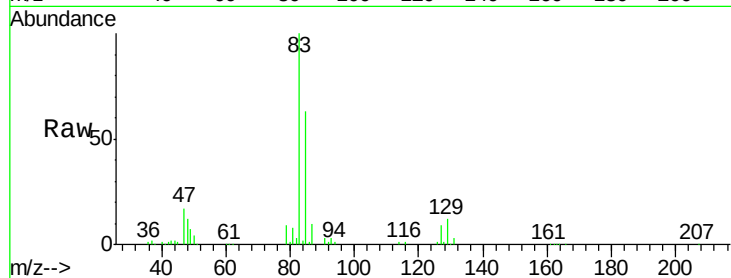
Tot Ion: 83 Resp: 183002

Ion Ratio Lower Upper

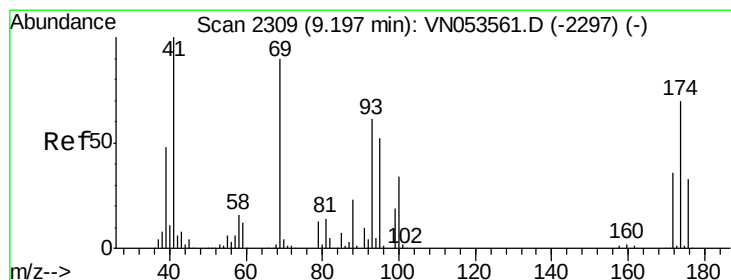
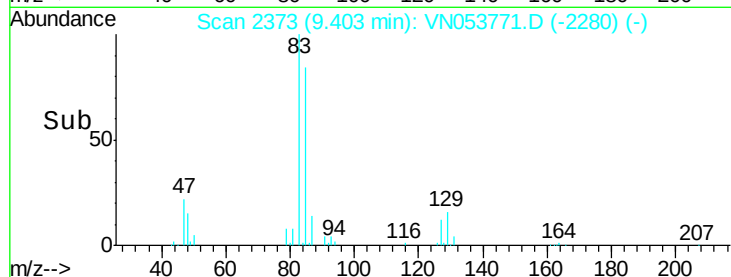
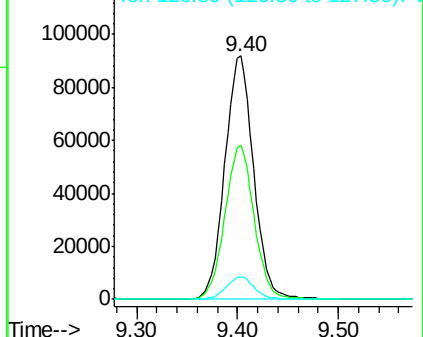
83 100

85 63.2 51.0 76.6

127 9.3 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.072 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

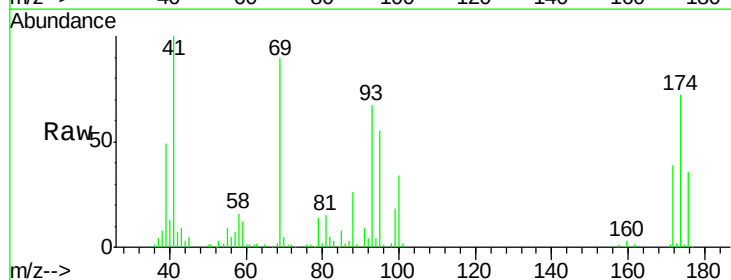
Tgt Ion: 41 Resp: 84649

Ion Ratio Lower Upper

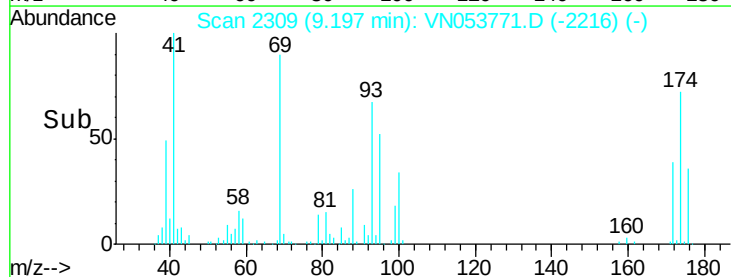
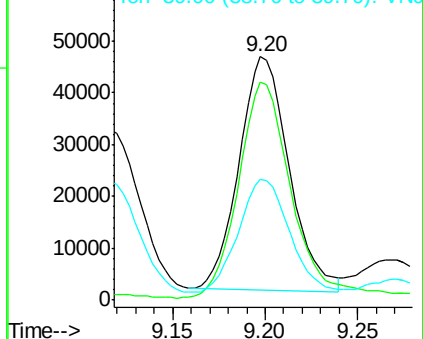
41 100

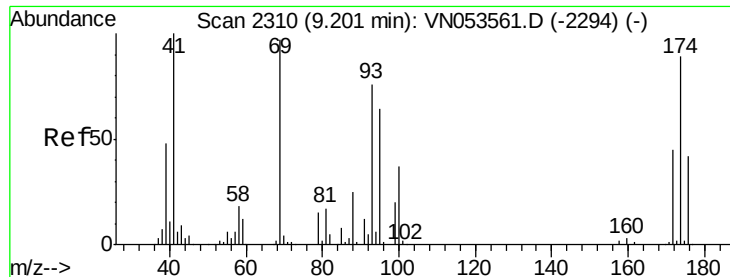
69 101.7 73.8 110.6

39 56.7 40.0 60.0



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

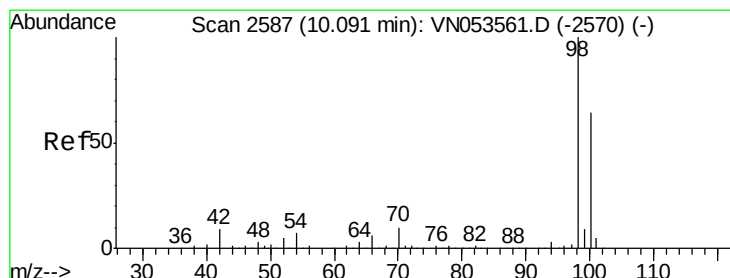
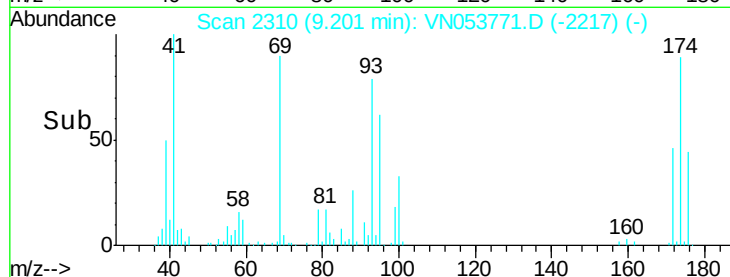
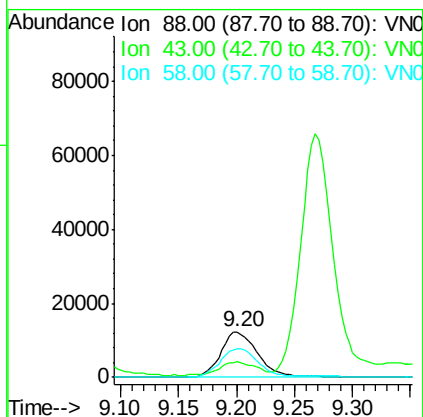
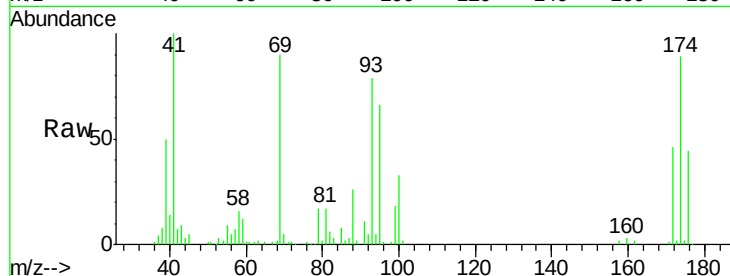




#49
1,4-Dioxane
Concen: 426.681 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

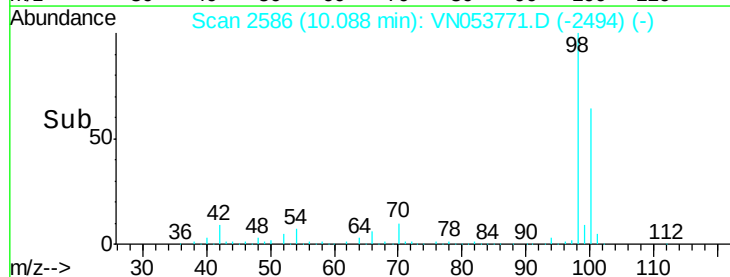
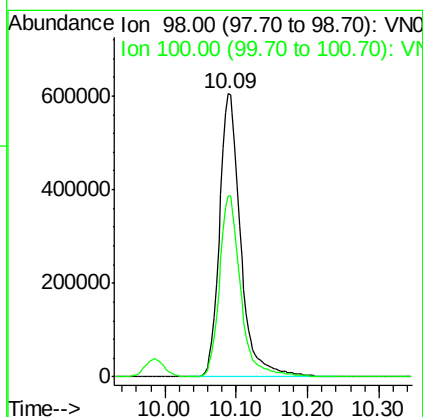
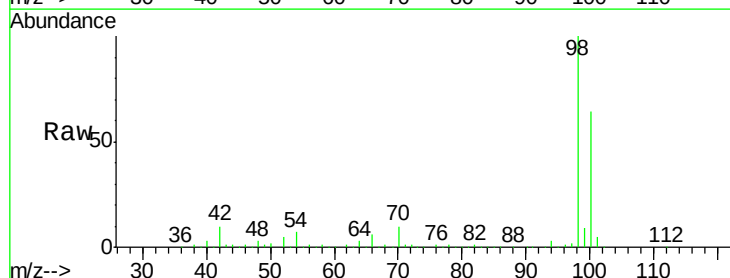
Instrument :
MSVOA_N
ClientSampleId :

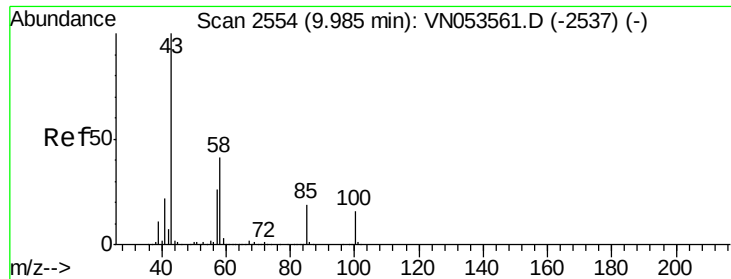
Tot Ion: 88 Resp: 27376
Ion Ratio Lower Upper
88 100
43 28.3 27.8 41.6
58 64.3 56.5 84.7



#50
Toluene-d8
Concen: 51.823 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion: 98 Resp: 1240899
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 100.507 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

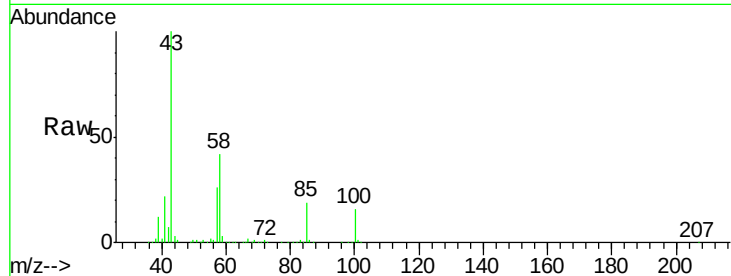
ClientSampled :

Tot Ion: 43 Resp: 484641

Ion Ratio Lower Upper

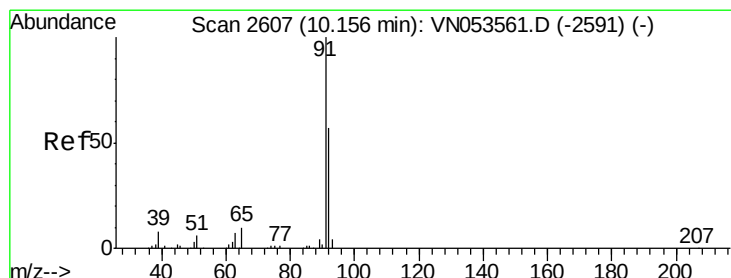
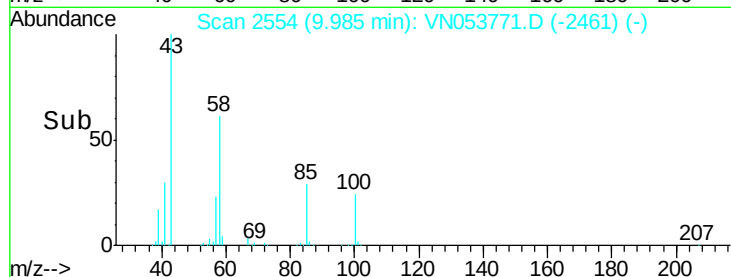
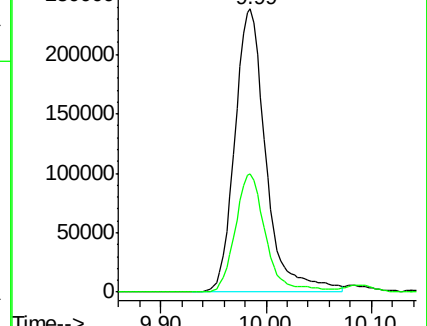
43 100

58 40.9 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.159 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053771.D

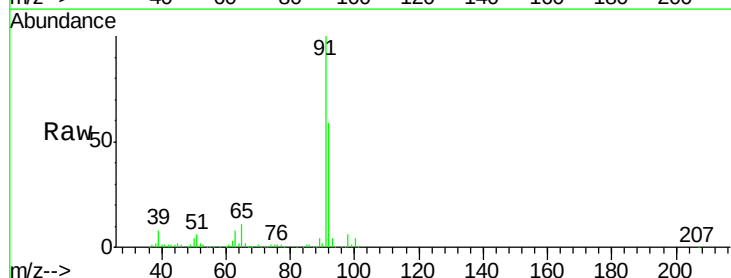
Acq: 14 Feb 2019 11:35

Tgt Ion: 92 Resp: 335659

Ion Ratio Lower Upper

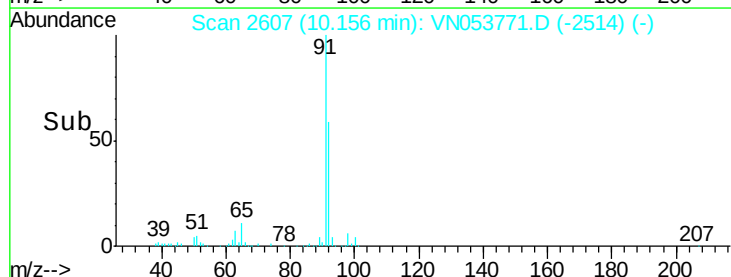
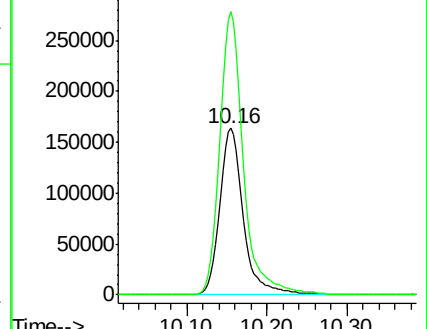
92 100

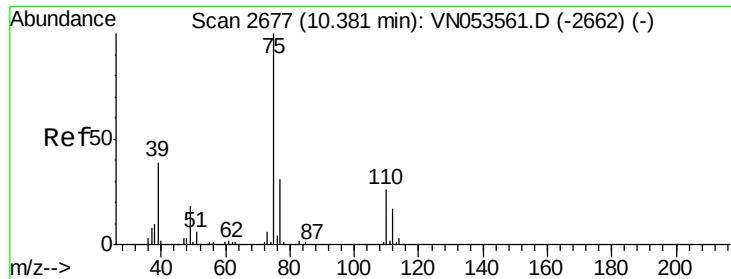
91 170.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.932 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

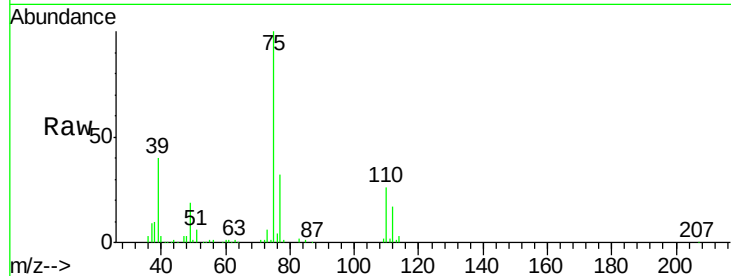
ClientSampled :

Tot Ion: 75 Resp: 170503

Ion Ratio Lower Upper

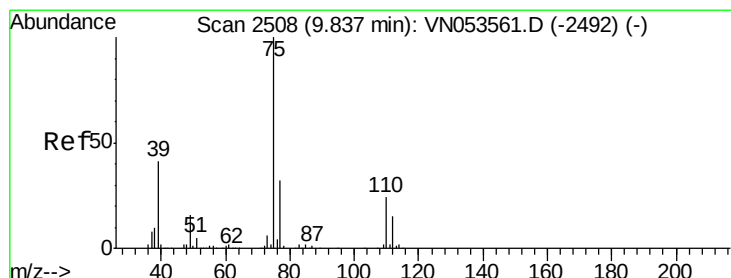
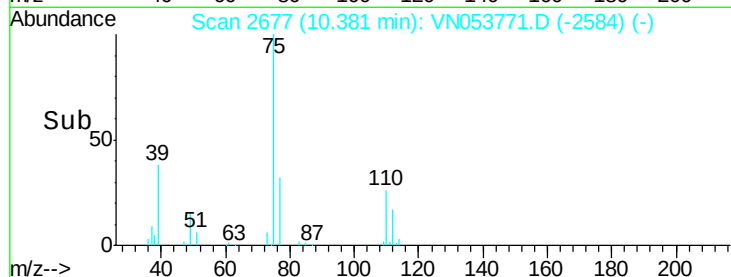
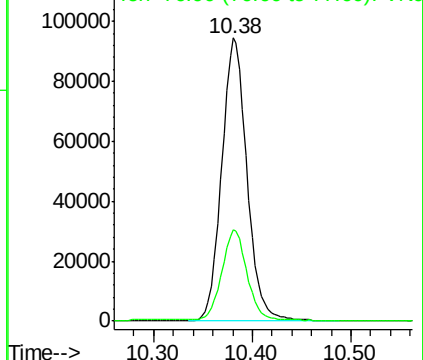
75 100

77 32.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.290 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

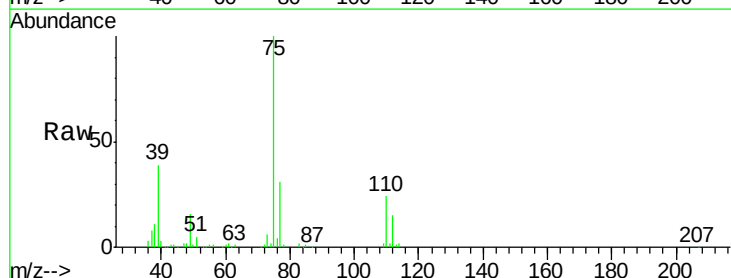
Tgt Ion: 75 Resp: 205862

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6

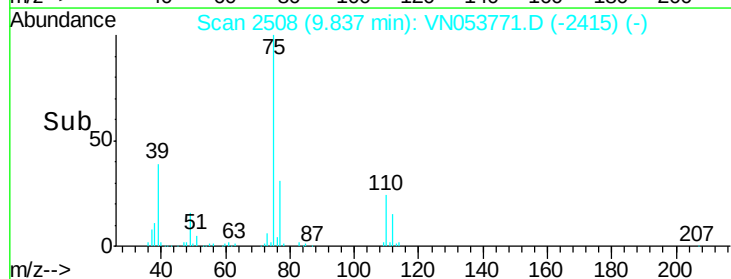
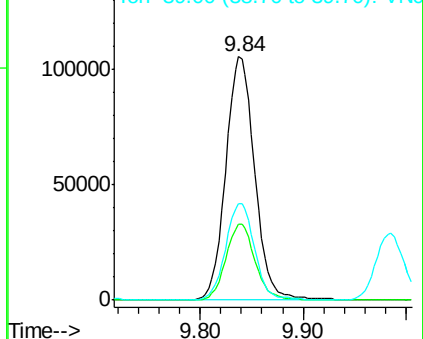
39 39.5 33.4 50.0

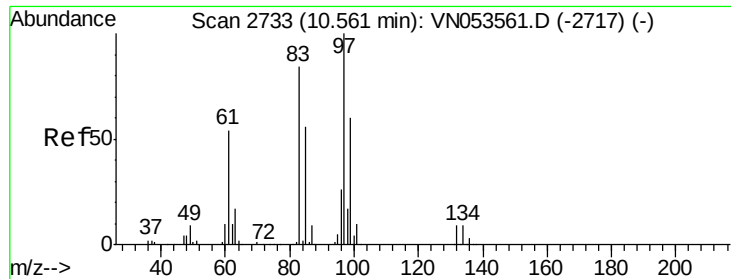


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.967 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 125796

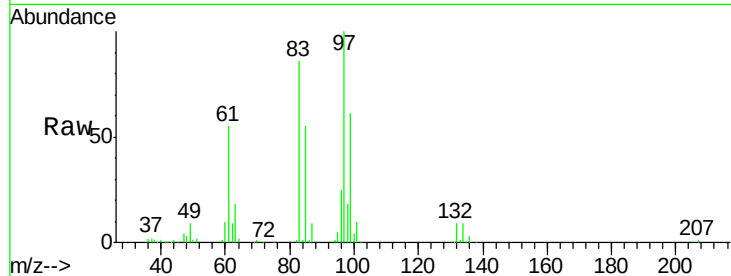
Ion Ratio Lower Upper

97 100

83 86.2 70.1 105.1

85 55.4 45.4 68.0

99 61.3 49.8 74.8



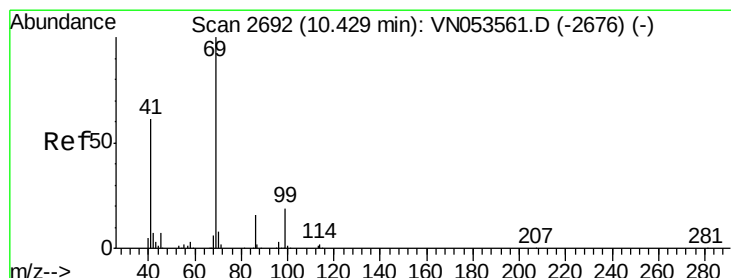
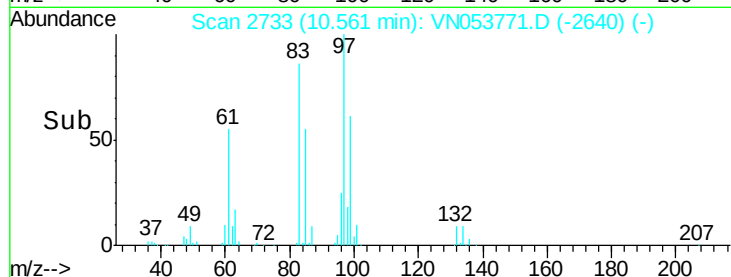
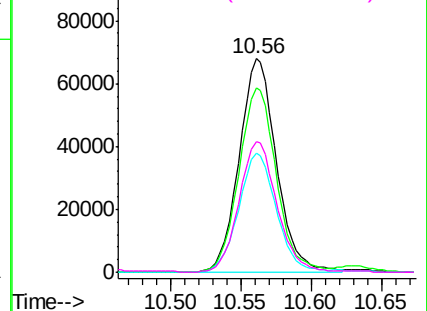
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 98.90 (98.60 to 99.60): VNC



#56

Ethyl methacrylate

Concen: 19.588 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

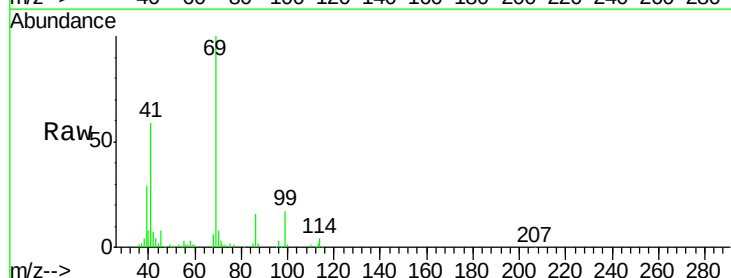
Tgt Ion: 69 Resp: 139033

Ion Ratio Lower Upper

69 100

41 59.7 49.4 74.0

39 29.5 23.3 34.9

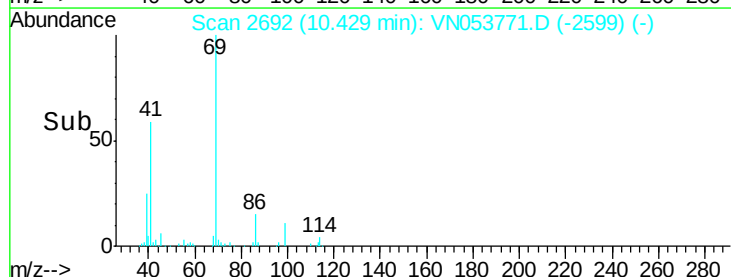
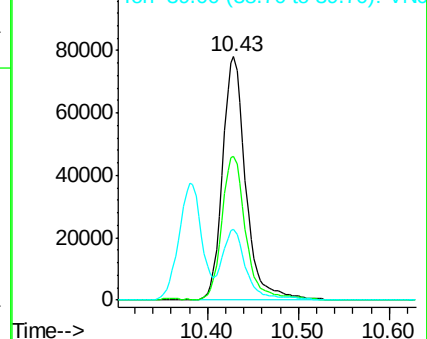


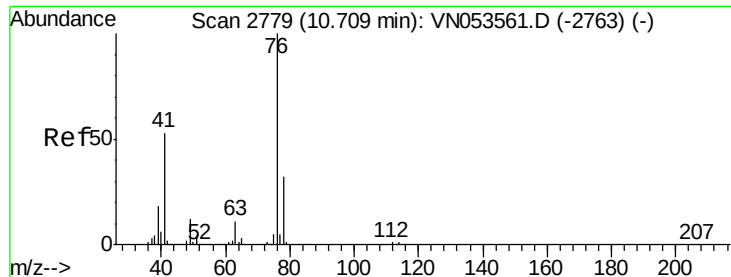
Abundance

Ion 69.00 (68.70 to 69.70): VNC

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

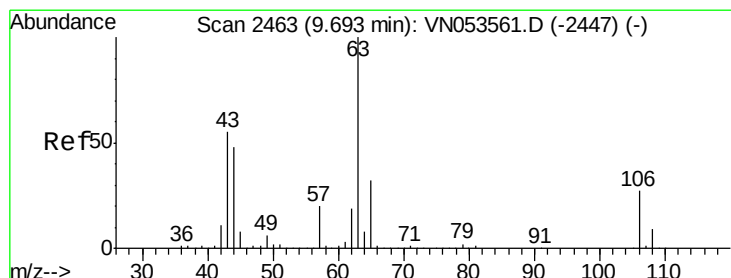
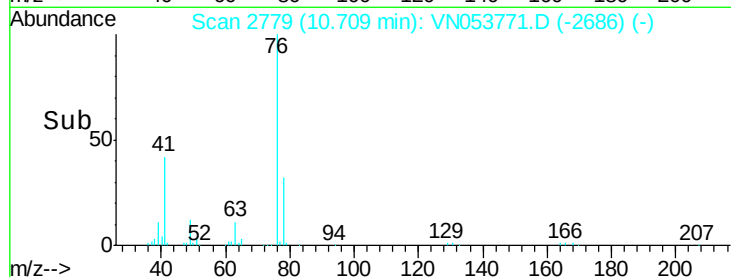
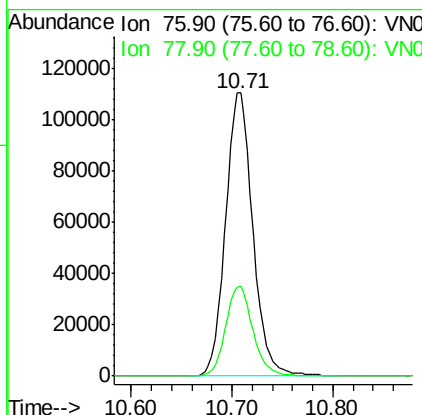
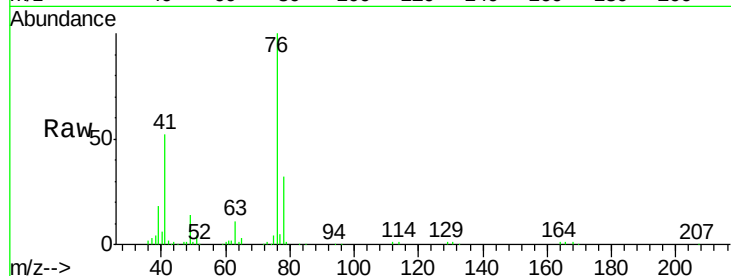




#57
 1,3-Dichloropropane
 Concen: 20.290 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

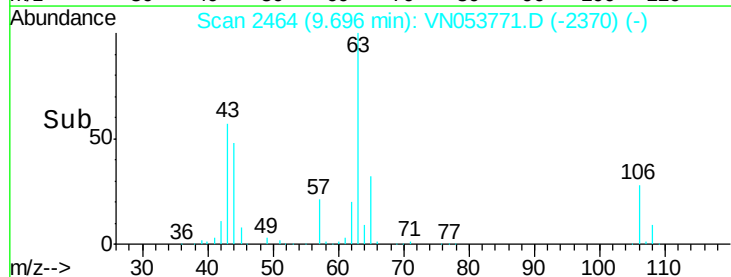
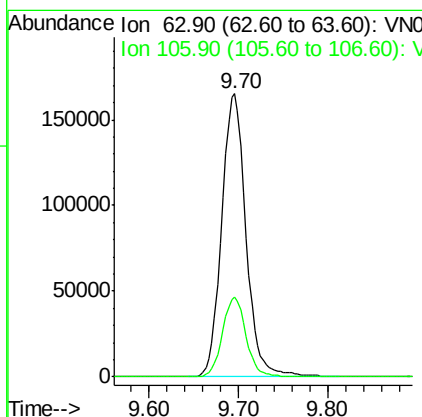
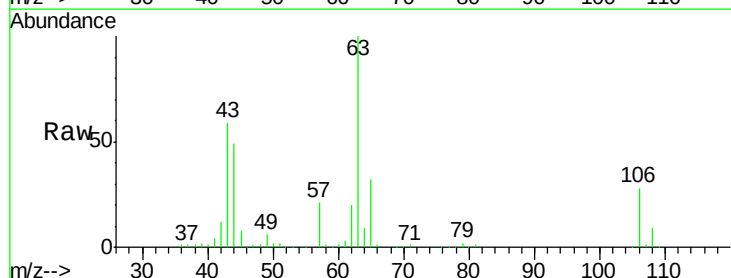
Instrument :
 MSVOA_N
 ClientSampled :

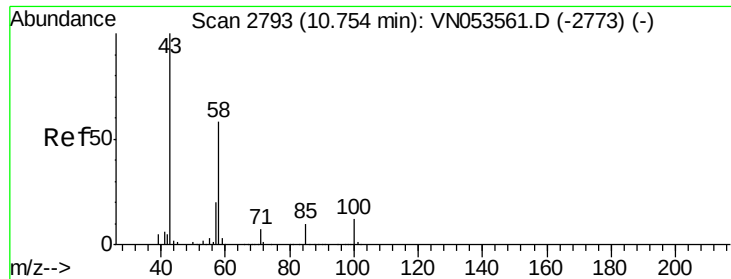
Tot Ion: 76 Resp: 208059
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 76.676 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion: 63 Resp: 312267
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.5 32.3

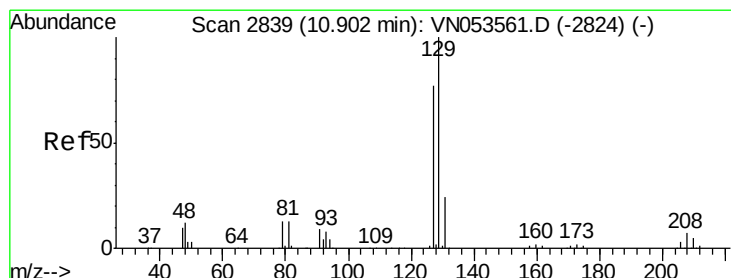
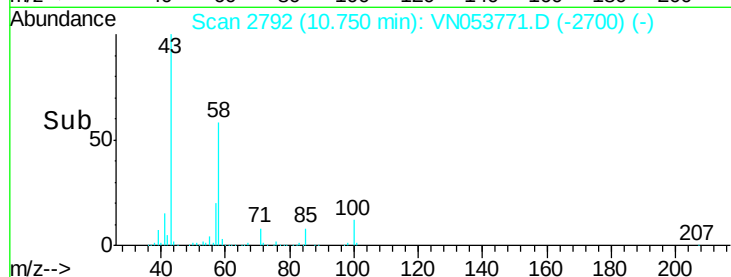
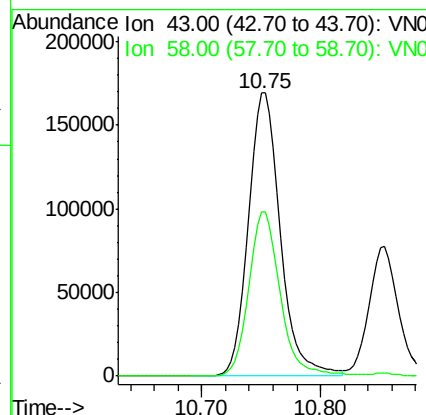
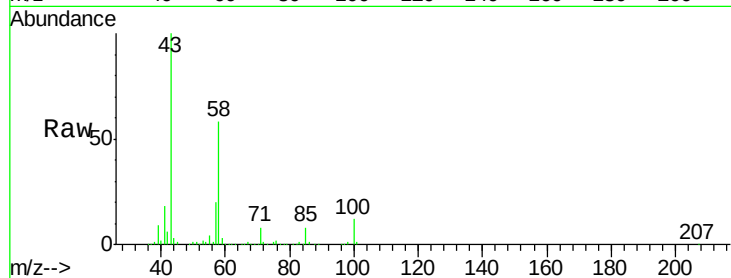




#59
2-Hexanone
Concen: 95.918 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

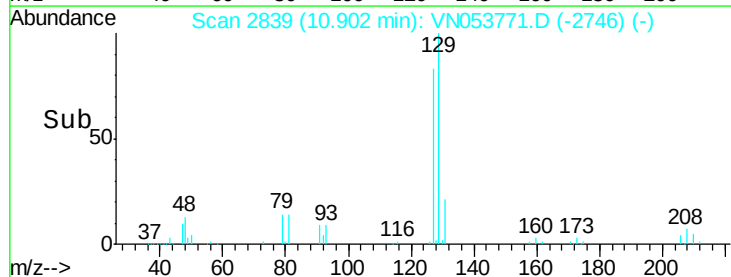
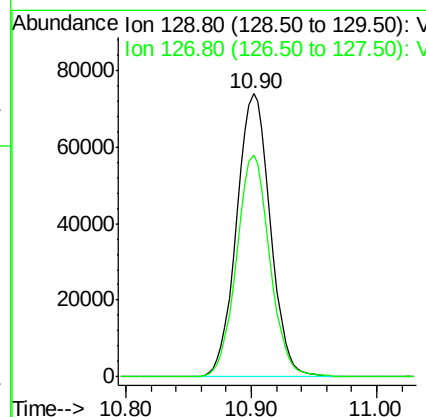
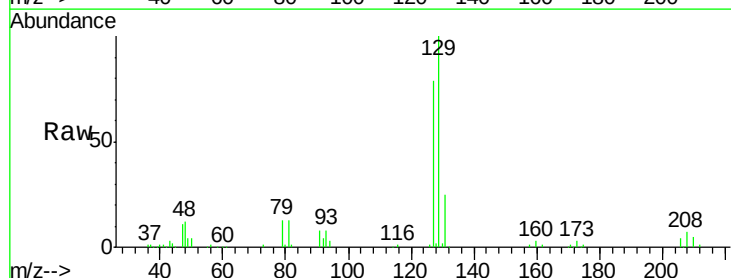
Instrument :
MSVOA_N
ClientSampleId :

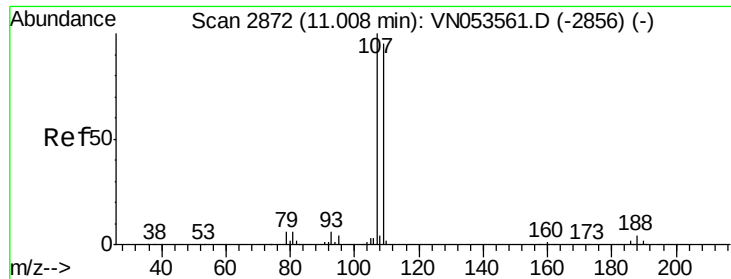
Tot Ion: 43 Resp: 313988
Ion Ratio Lower Upper
43 100
58 57.2 28.6 85.8



#60
Dibromochloromethane
Concen: 20.392 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion: 129 Resp: 137967
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8

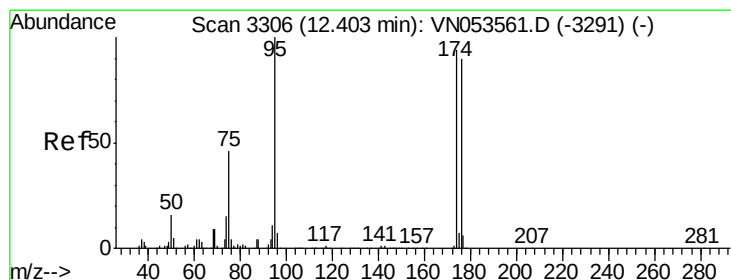
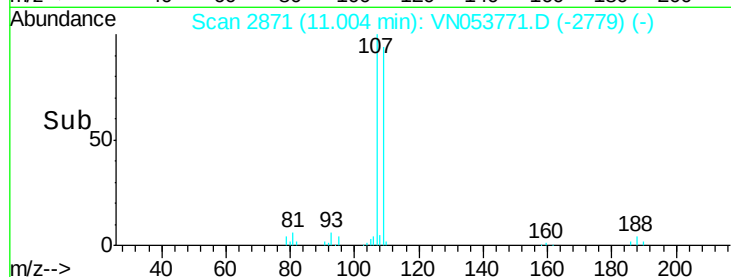
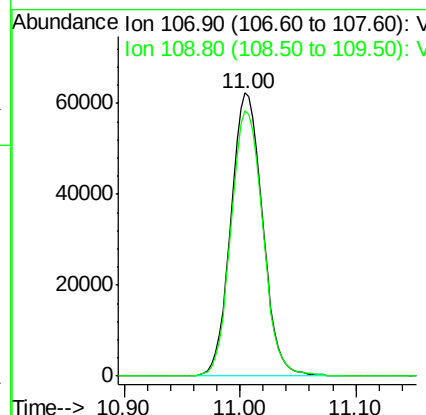
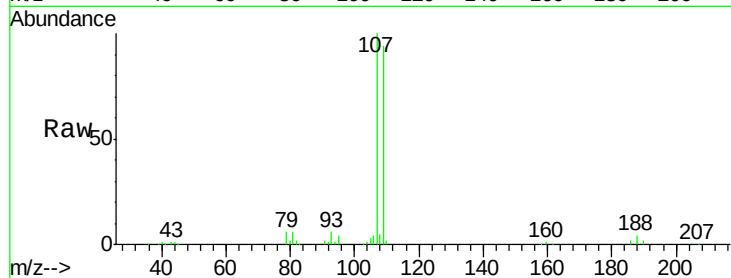




#61
 1,2-Dibromoethane
 Concen: 19.757 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

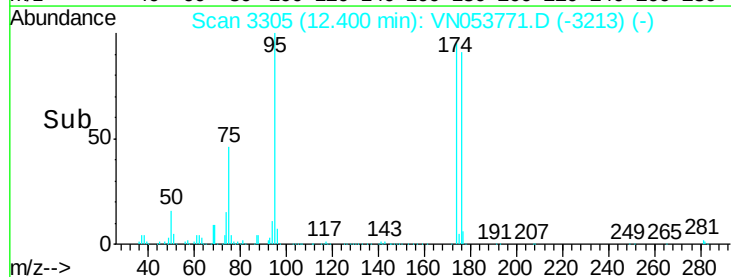
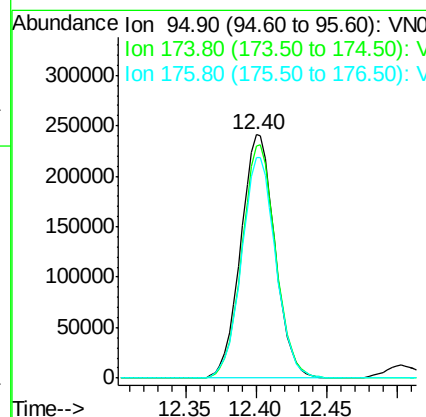
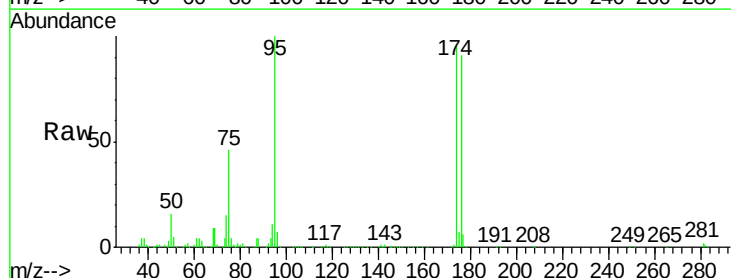
Instrument :
 MSVOA_N
 ClientSampleId :

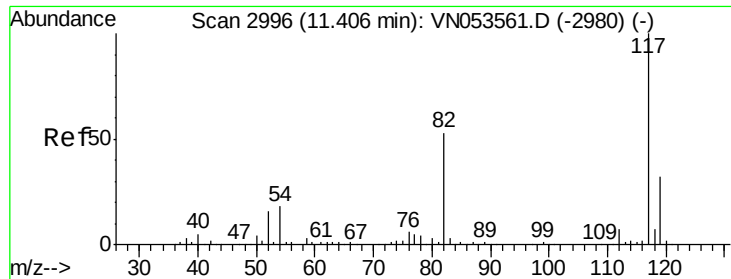
Tot Ion:107 Resp: 117328
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 51.218 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion: 95 Resp: 409029
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 183.2
 176 90.7 0.0 177.4

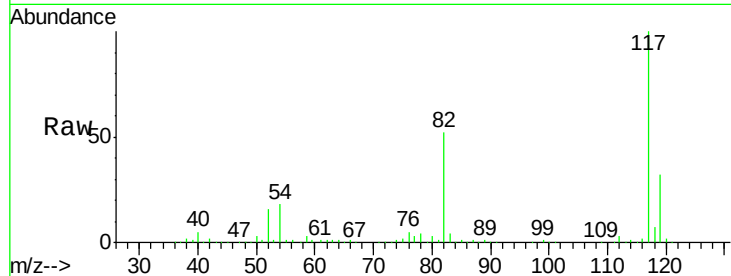




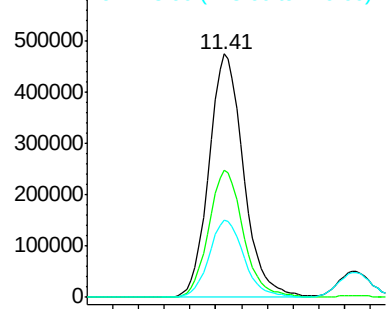
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :

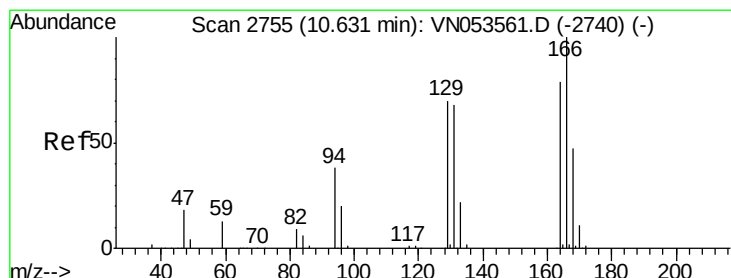
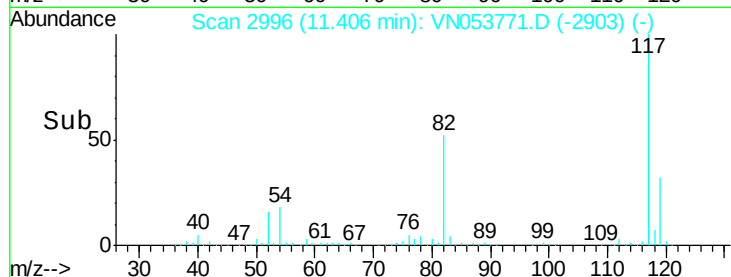
Tot Ion:117 Resp: 884341
Ion Ratio Lower Upper
117 100
82 52.2 42.9 64.3
119 31.7 26.0 39.0



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

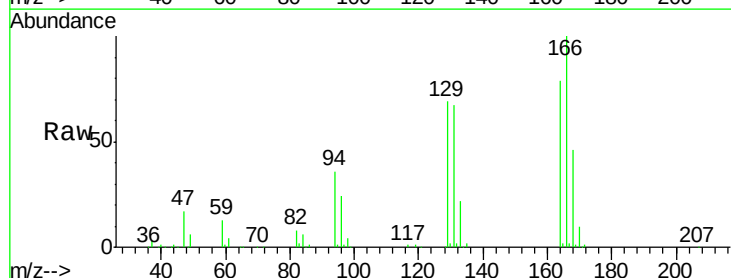


Time-->

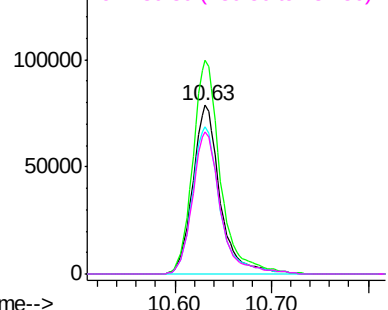


#64
Tetrachloroethene
Concen: 20.333 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

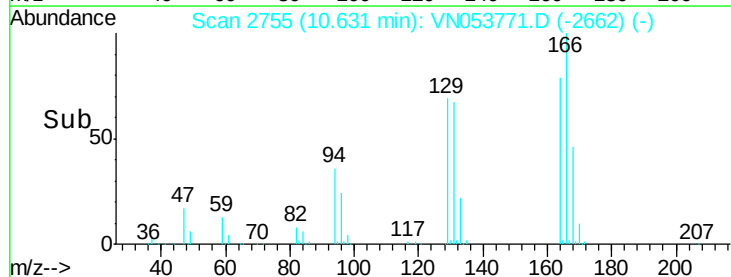
Tgt Ion:164 Resp: 154140
Ion Ratio Lower Upper
164 100
166 126.8 102.2 153.4
129 87.0 72.6 109.0
131 84.5 69.5 104.3

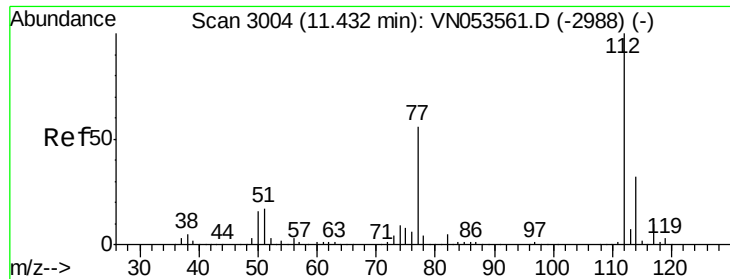


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



Time-->

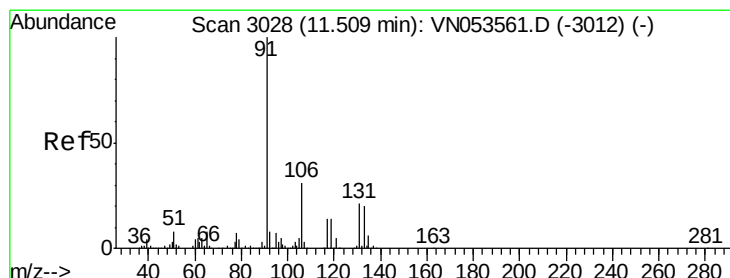
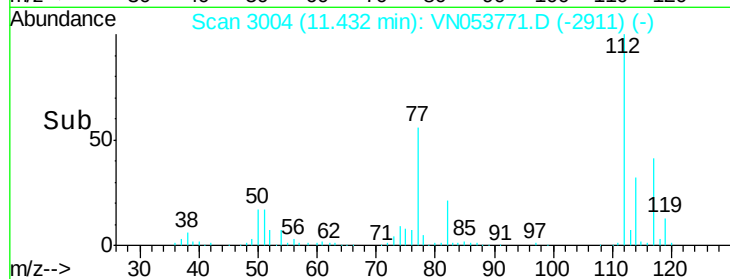
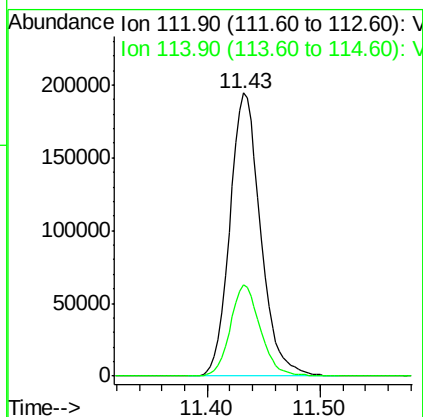
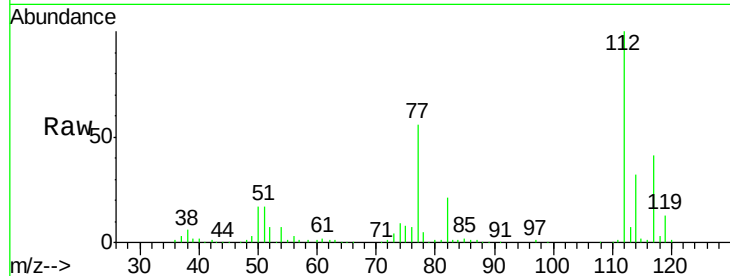




#65
Chlorobenzene
Concen: 19.606 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

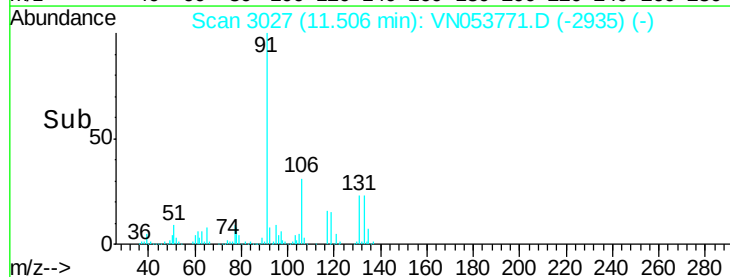
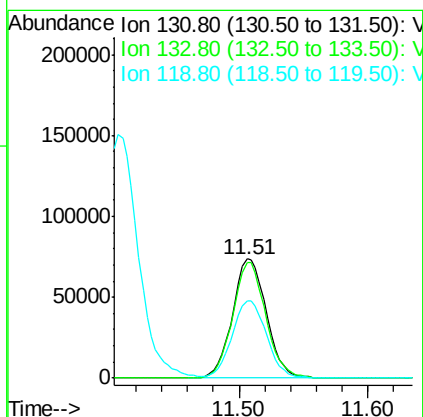
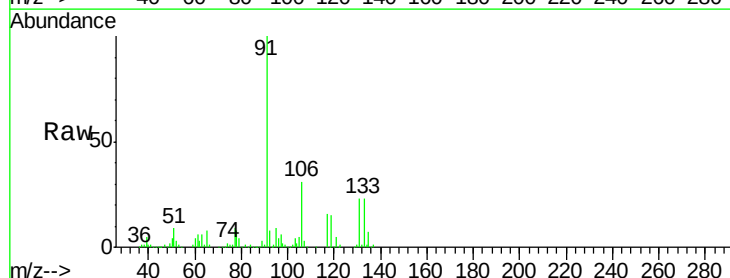
Instrument :
MSVOA_N
ClientSampled :

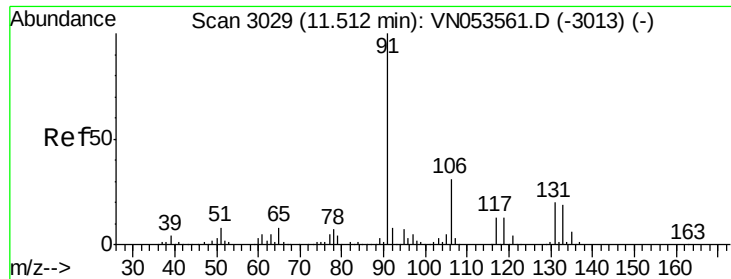
Tot Ion:112 Resp: 368293
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.562 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion:131 Resp: 134894
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.0
119 66.1 33.5 100.5

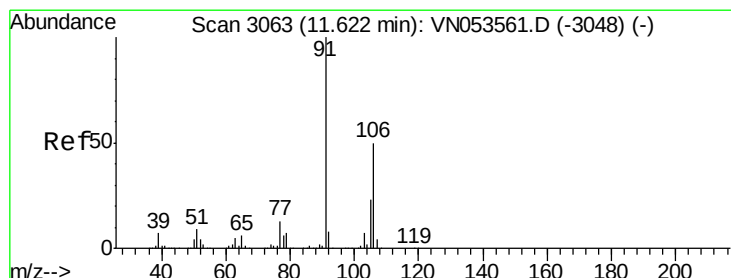
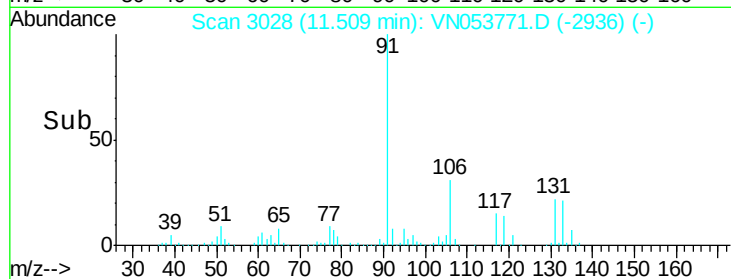
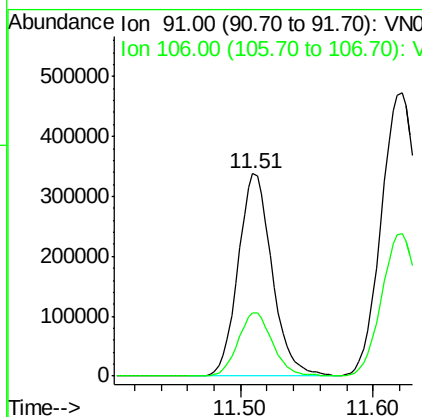
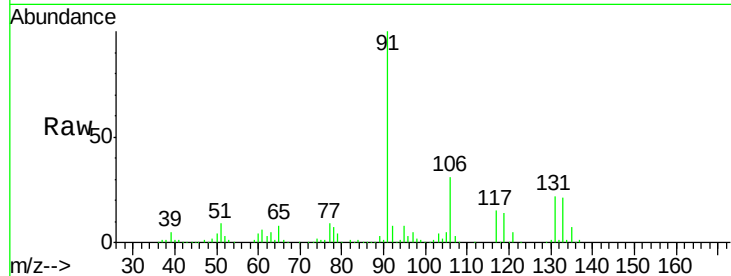




#67
Ethyl Benzene
Concen: 19.558 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

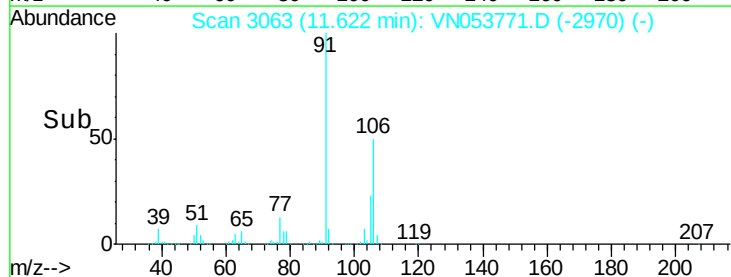
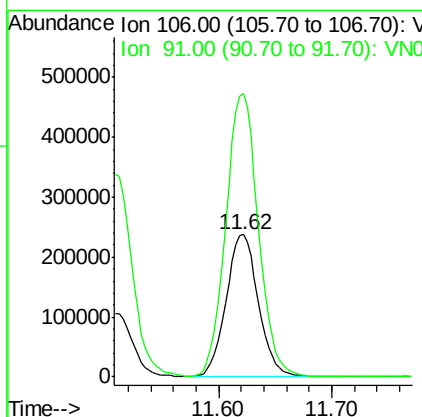
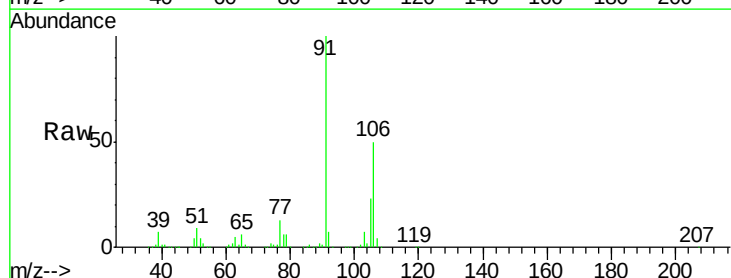
Instrument :
MSVOA_N
ClientSampled :

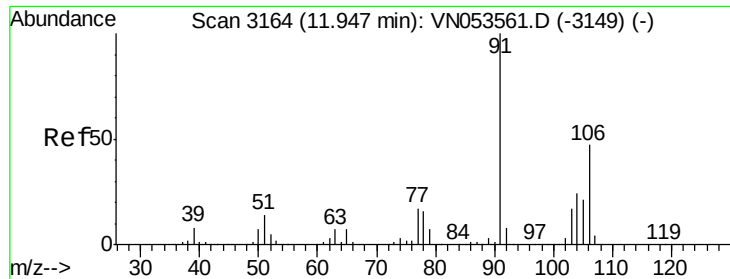
Tot Ion: 91 Resp: 603502
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6



#68
m/p-Xylenes
Concen: 40.071 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion: 106 Resp: 471909
Ion Ratio Lower Upper
106 100
91 200.3 161.4 242.2

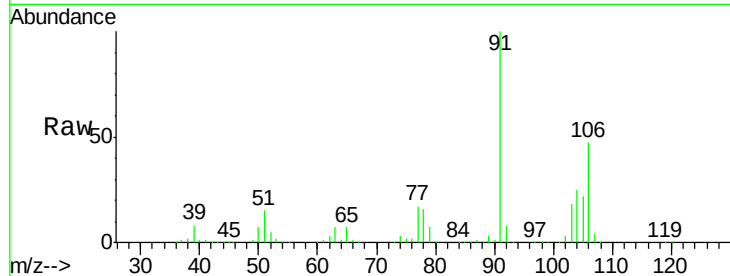




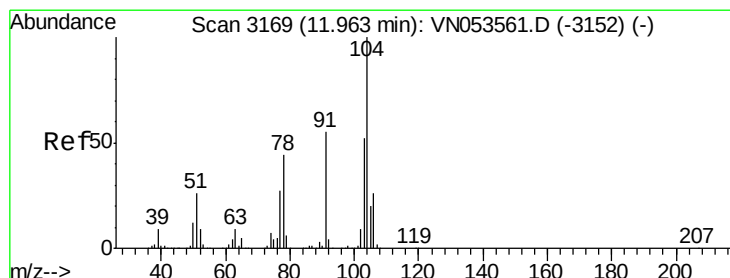
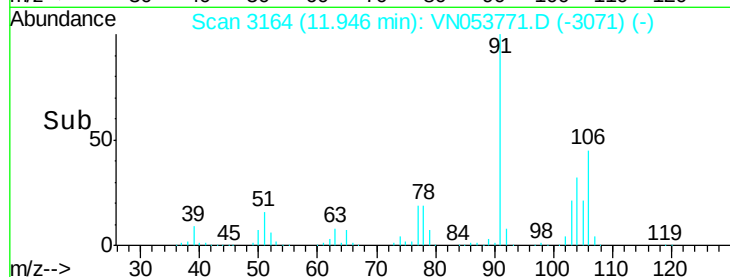
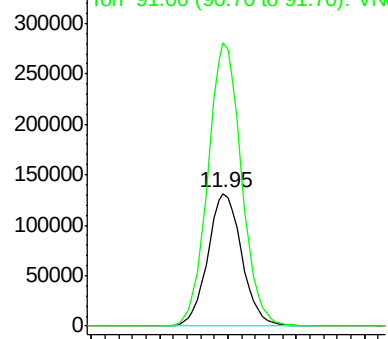
#69
o-Xylene
Concen: 19.980 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 227330
Ion Ratio Lower Upper
106 100
91 211.1 106.9 320.8

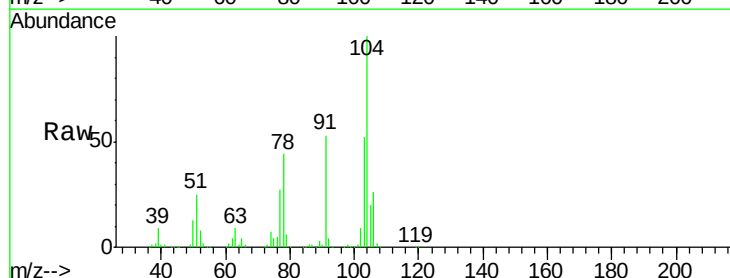


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

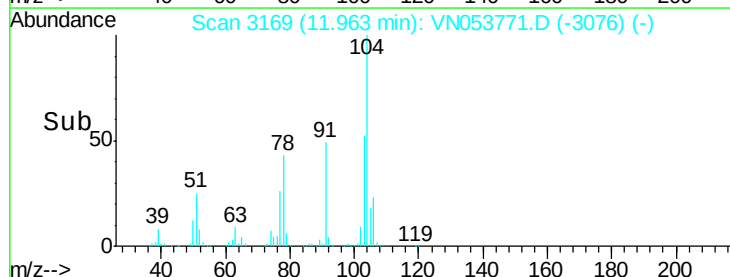
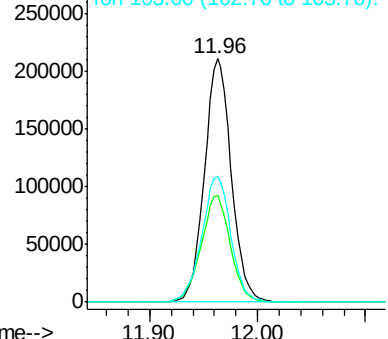


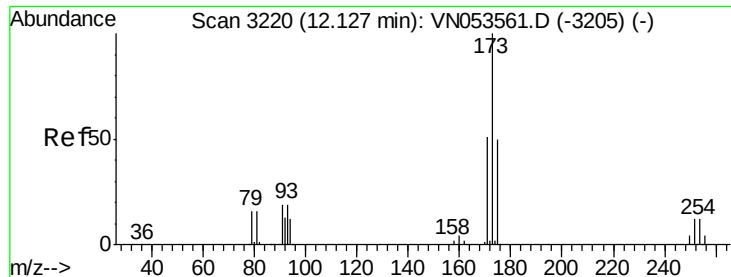
#70
Styrene
Concen: 19.905 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion:104 Resp: 367079
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 56.3 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V

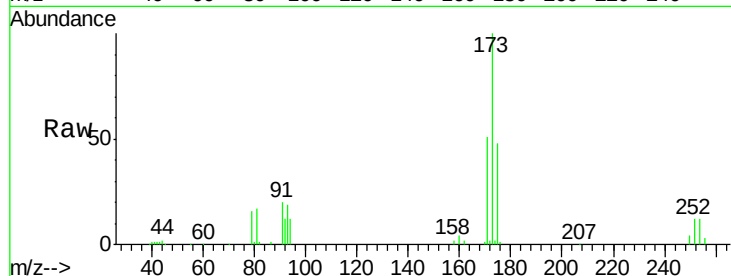




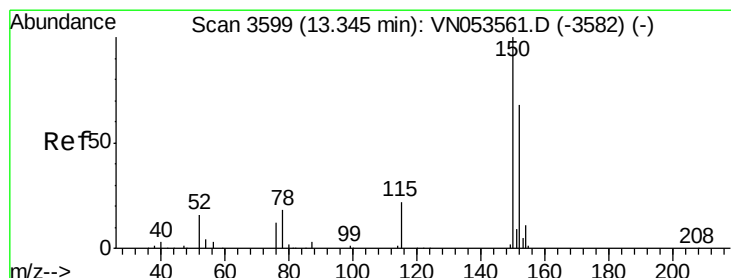
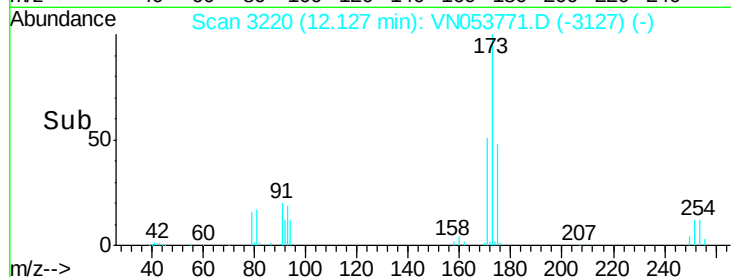
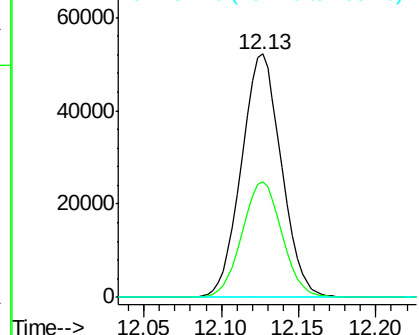
#71
Bromoform
Concen: 20.843 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 93743
Ion Ratio Lower Upper
173 100
175 47.6 24.6 74.0
254 0.0 0.2 0.2#

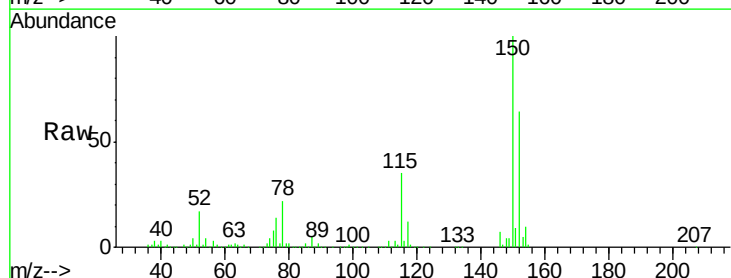


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

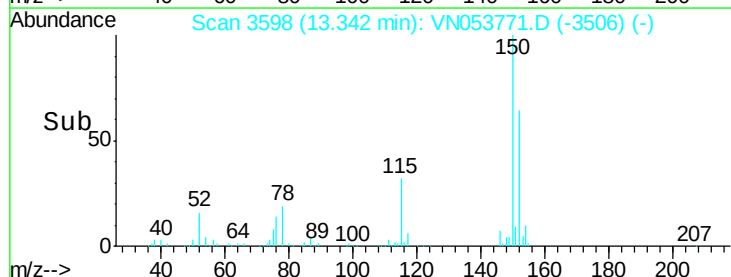
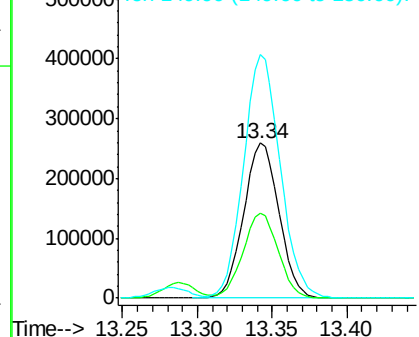


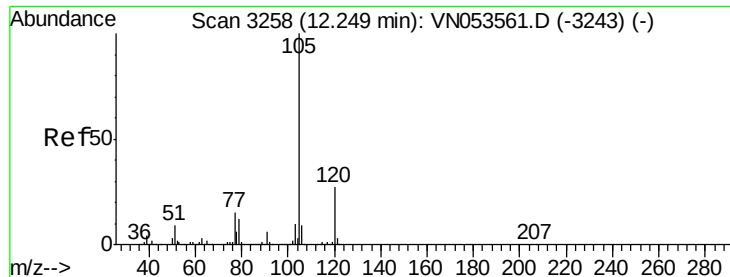
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion:152 Resp: 425970
Ion Ratio Lower Upper
152 100
115 54.8 27.8 83.4
150 162.9 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: 20.159 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

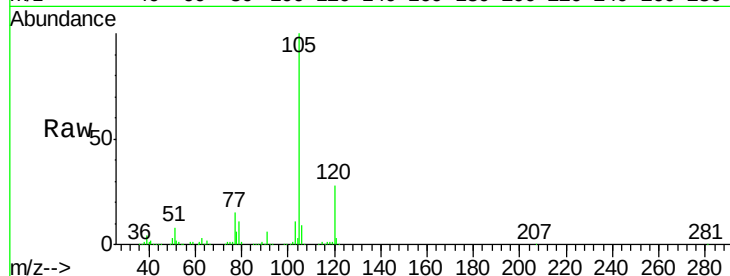
ClientSampleId :

Tot Ion:105 Resp: 603676

Ion Ratio Lower Upper

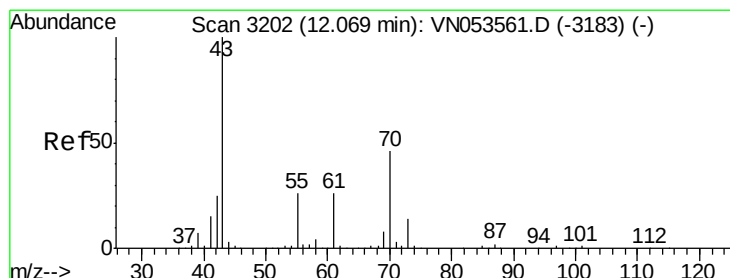
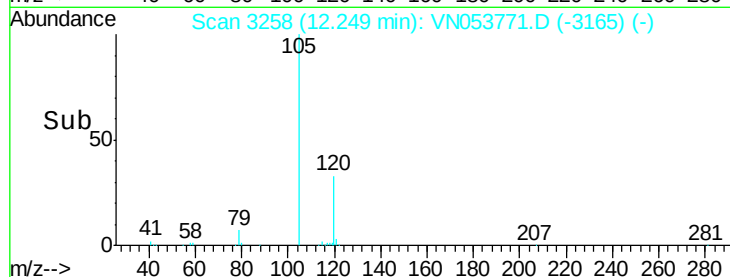
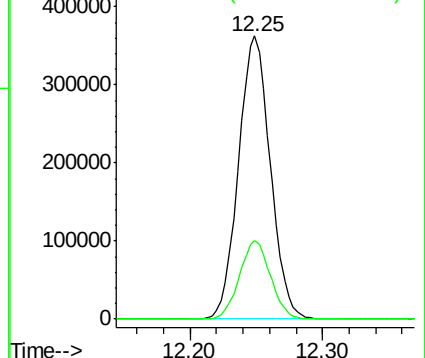
105 100

120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.726 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Tgt Ion: 43 Resp: 134842

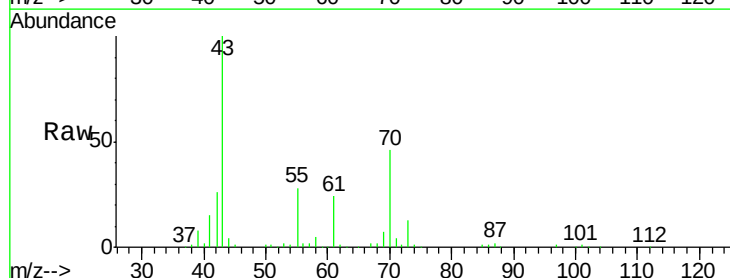
Ion Ratio Lower Upper

43 100

70 45.7 35.4 53.2

55 28.2 20.9 31.3

61 25.1 20.5 30.7

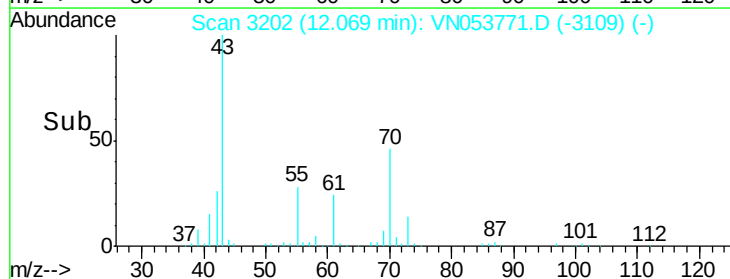
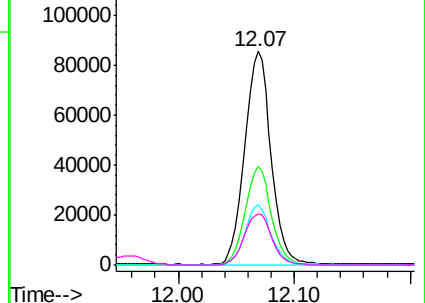


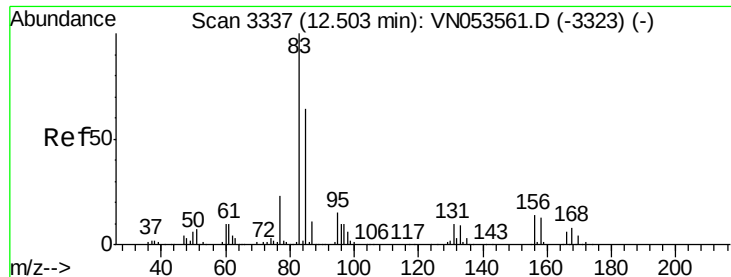
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.774 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

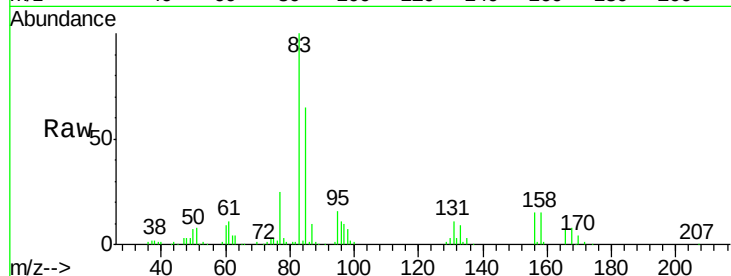
Tot Ion: 83 Resp: 141715

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

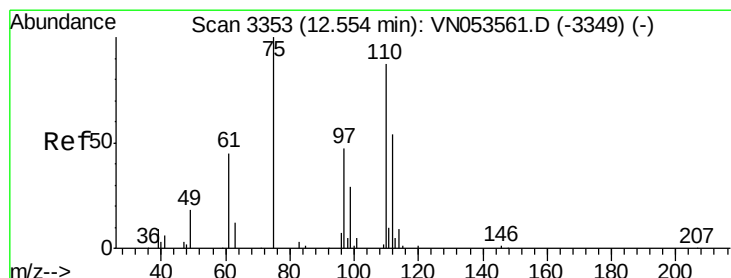
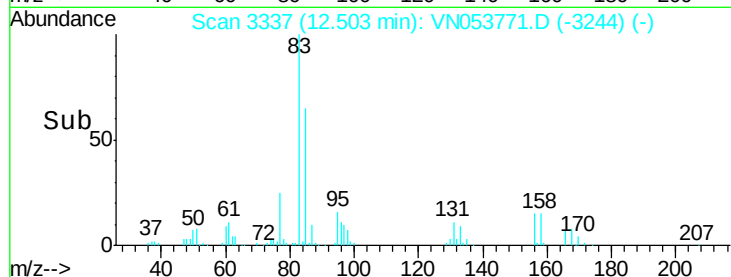
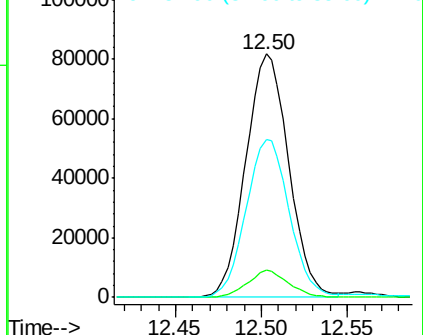
85 65.3 32.1 96.3



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: 31.183 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053771.D

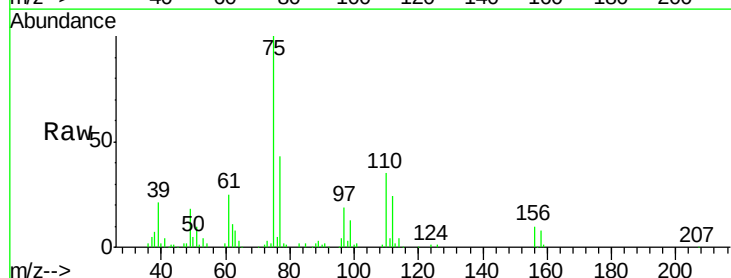
Acq: 14 Feb 2019 11:35

Tgt Ion: 75 Resp: 170610

Ion Ratio Lower Upper

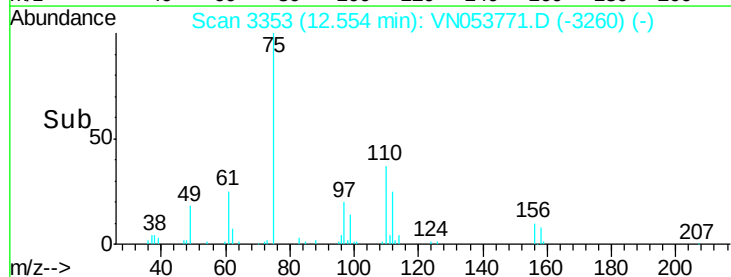
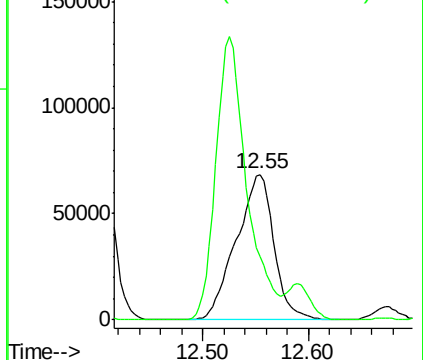
75 100

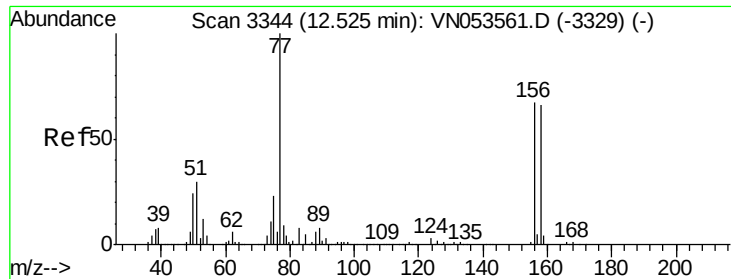
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.901 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053771.D

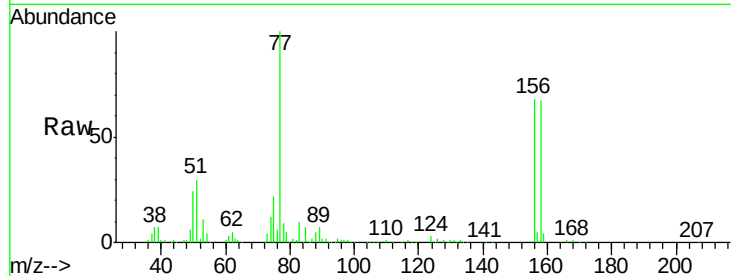
Acq: 14 Feb 2019 11:35

Instrument :

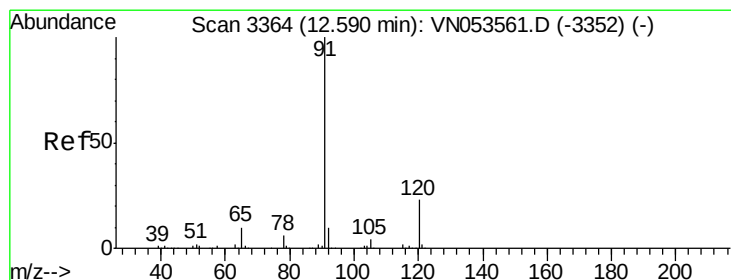
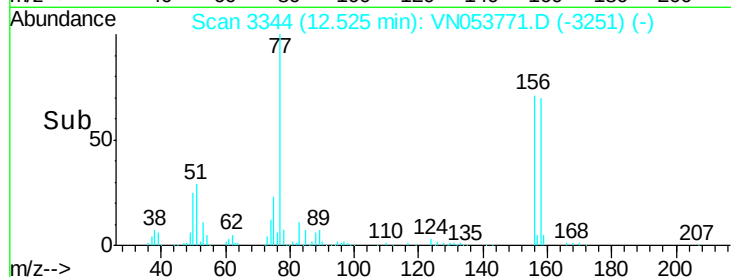
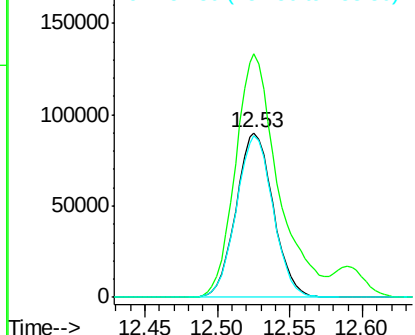
MSVOA_N

ClientSampled :

Tot Ion:156 Resp: 160607
 Ion Ratio Lower Upper
 156 100
 77 169.4 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: 20.283 ug/l

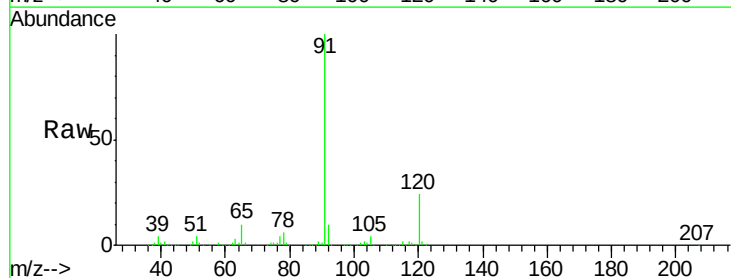
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

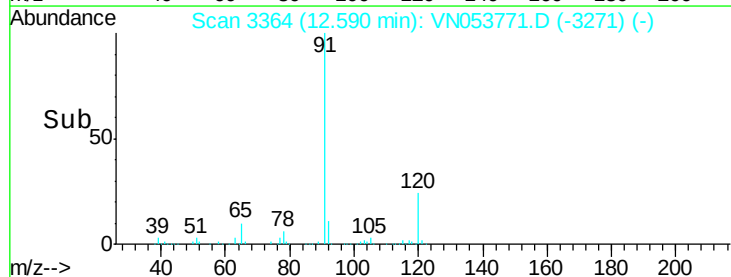
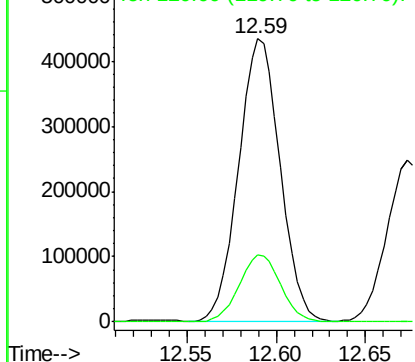
Lab File: VN053771.D

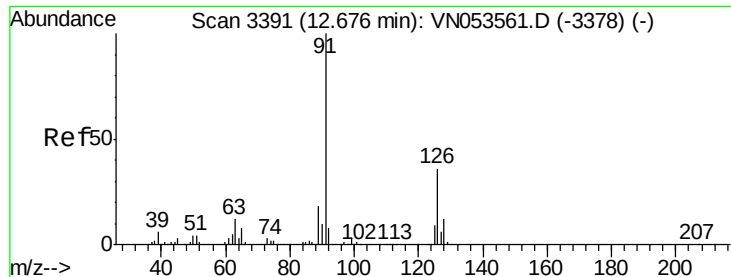
Acq: 14 Feb 2019 11:35

Tgt Ion: 91 Resp: 702136
 Ion Ratio Lower Upper
 91 100
 120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0
 Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.144 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

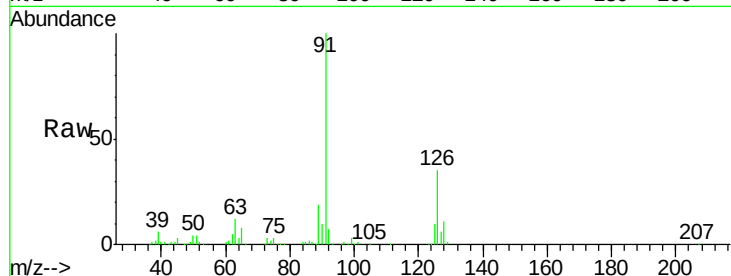
ClientSampled :

Tot Ion: 91 Resp: 413712

Ion Ratio Lower Upper

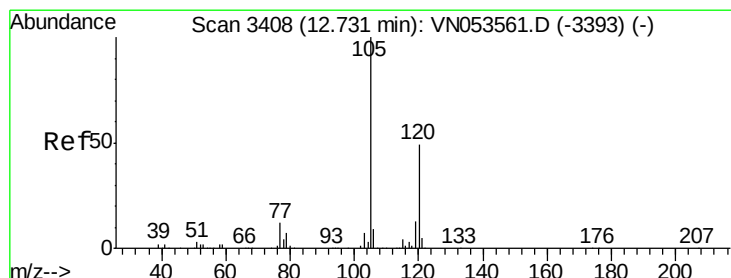
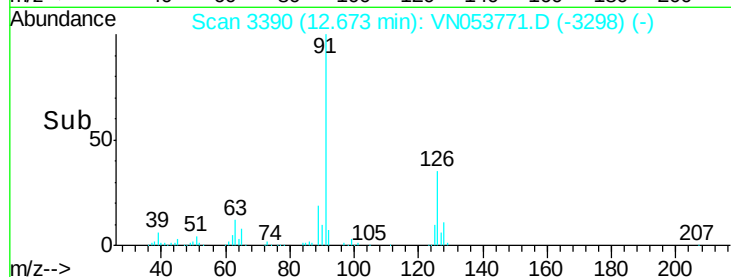
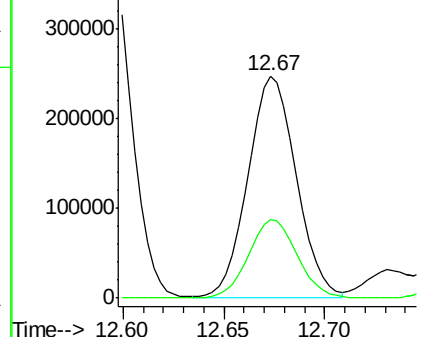
91 100

126 35.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053771.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN053771.D (-3390) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.867 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053771.D

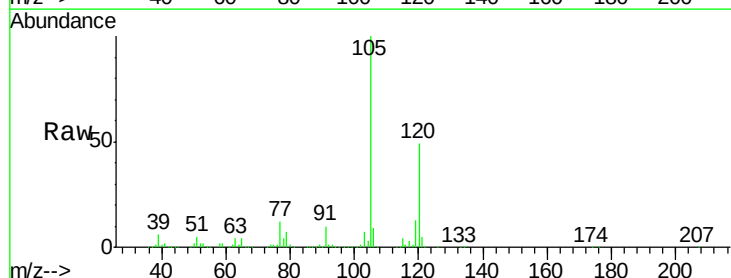
Acq: 14 Feb 2019 11:35

Tgt Ion: 105 Resp: 518165

Ion Ratio Lower Upper

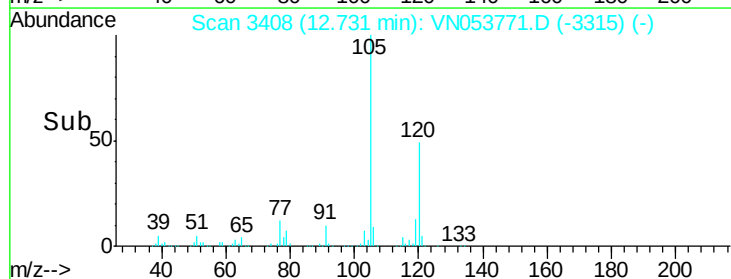
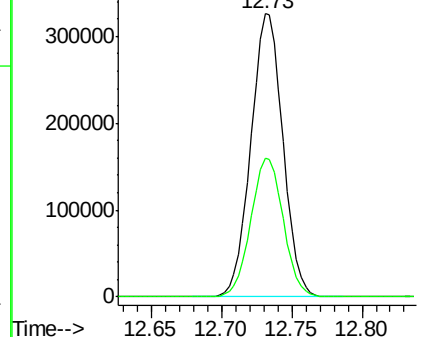
105 100

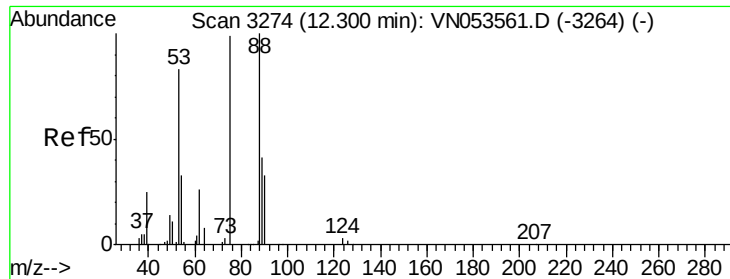
120 49.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053771.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN053771.D (-3408) (-)

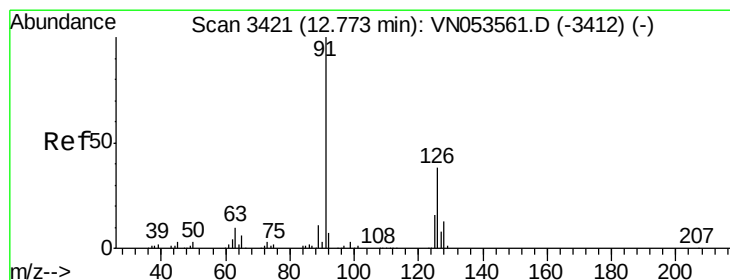
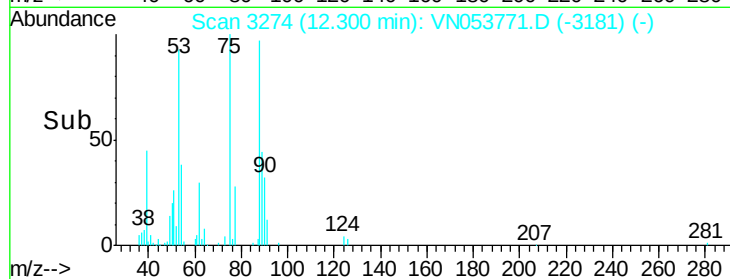
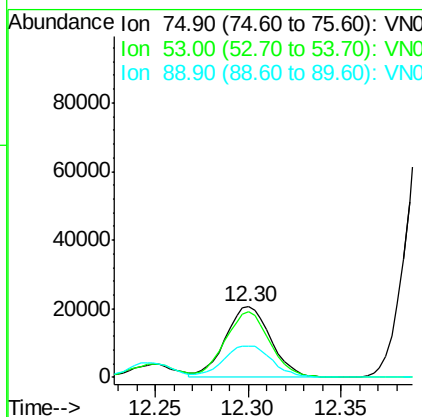
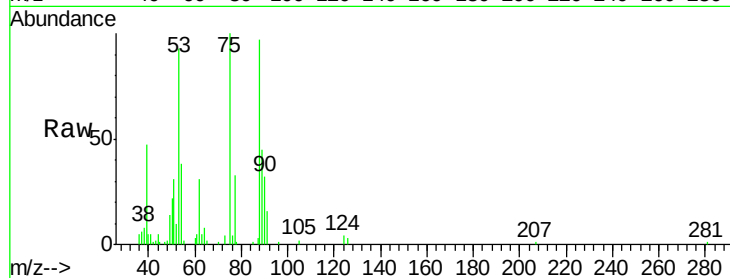




#81
trans-1,4-Dichloro-2-butene
Concen: 18.036 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

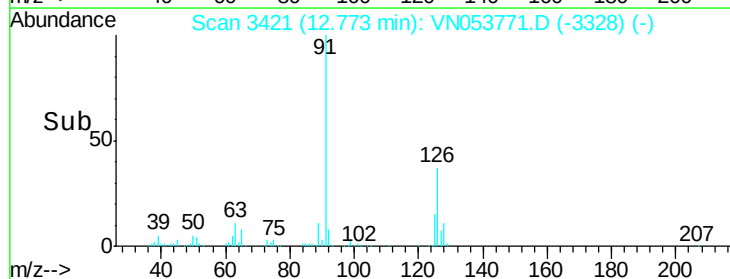
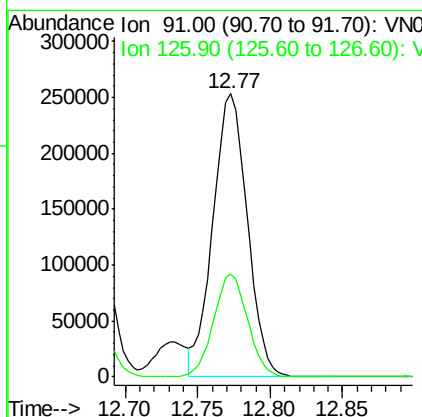
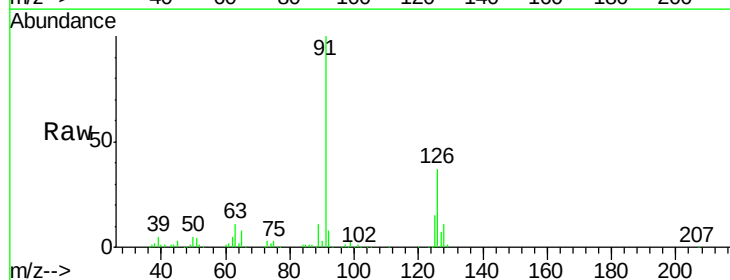
Instrument :
MSVOA_N
ClientSampleId :

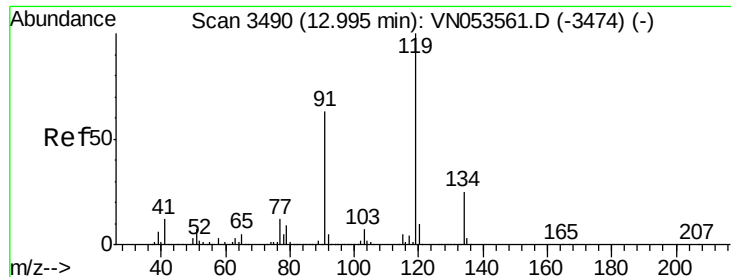
Tot Ion: 75 Resp: 35093
Ion Ratio Lower Upper
75 100
53 91.1 69.8 104.6
89 47.4 35.6 53.4



#82
4-Chlorotoluene
Concen: 19.735 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion: 91 Resp: 415911
Ion Ratio Lower Upper
91 100
126 36.1 17.6 52.9

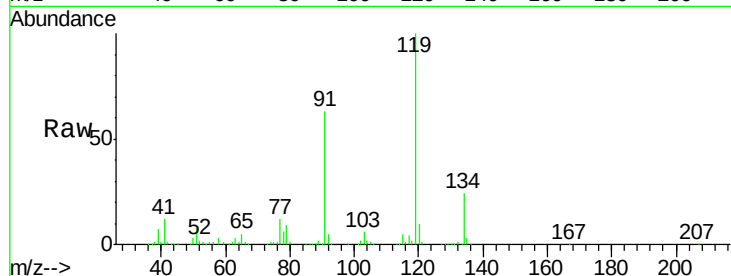




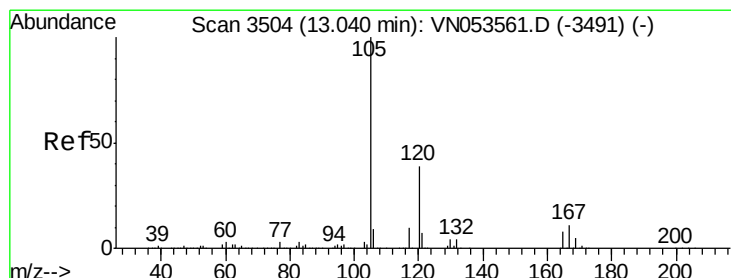
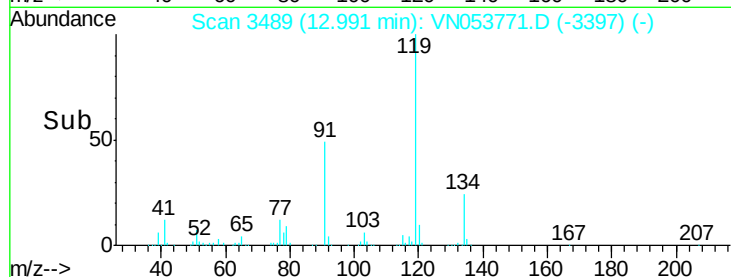
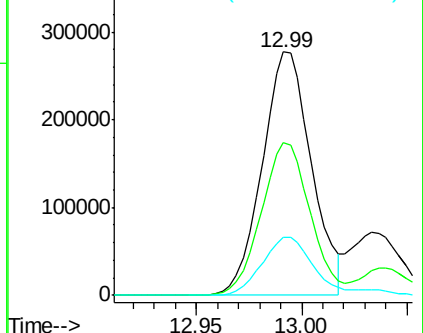
#83
 tert-Butylbenzene
 Concen: 20.496 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 449813
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.3 93.8
 134 26.3 12.9 38.7

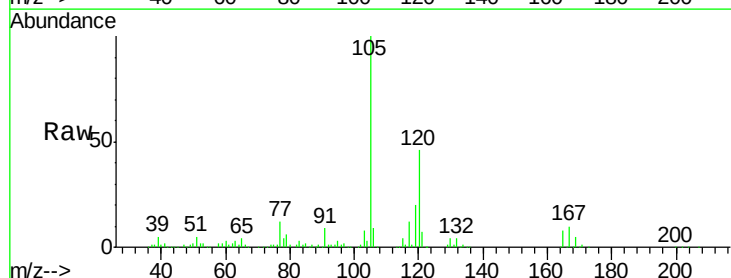


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

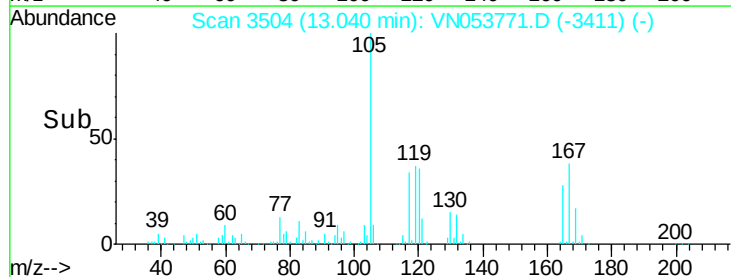
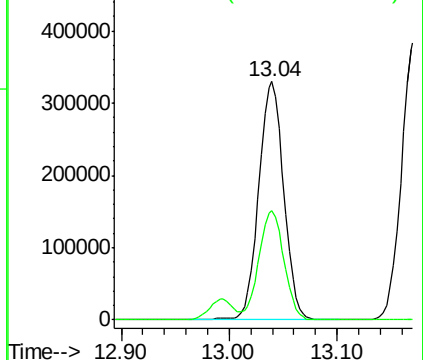


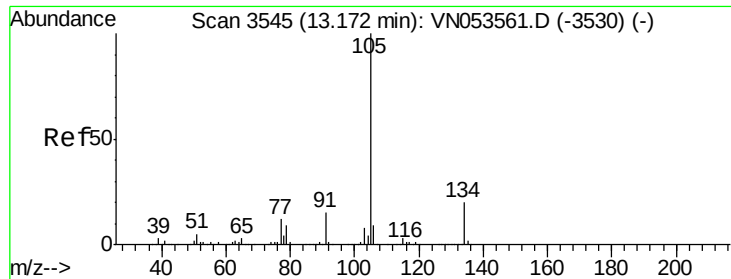
#84
 1,2,4-Trimethylbenzene
 Concen: 20.887 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion:105 Resp: 528426
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.148 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

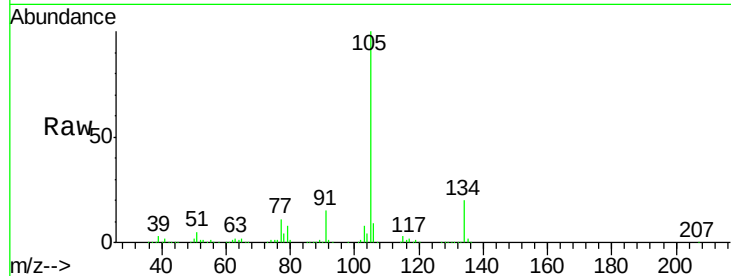
ClientSampleId :

Tot Ion:105 Resp: 631599

Ion Ratio Lower Upper

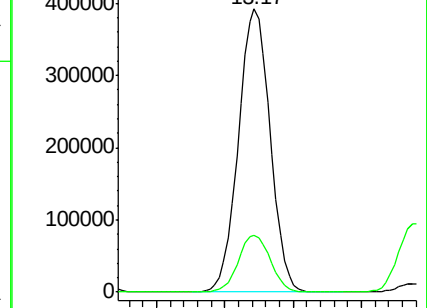
105 100

134 20.4 10.2 30.6

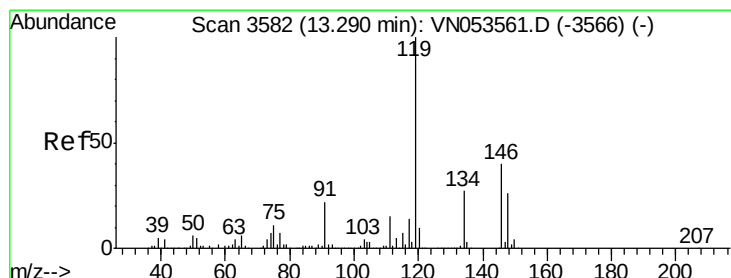
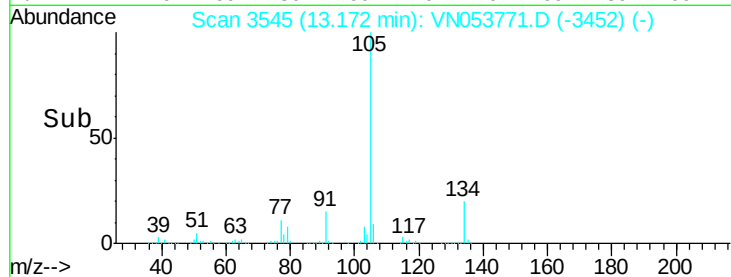


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.837 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

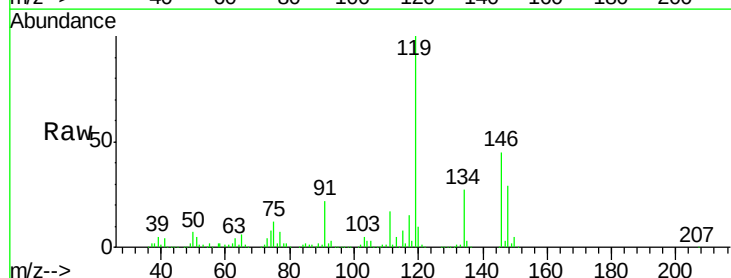
Tgt Ion:119 Resp: 544258

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

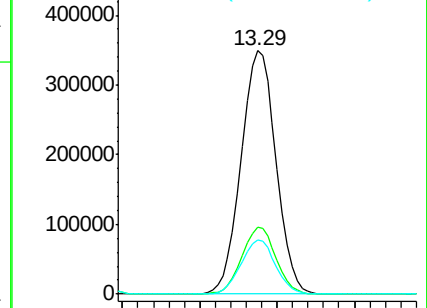
91 22.1 11.0 33.0



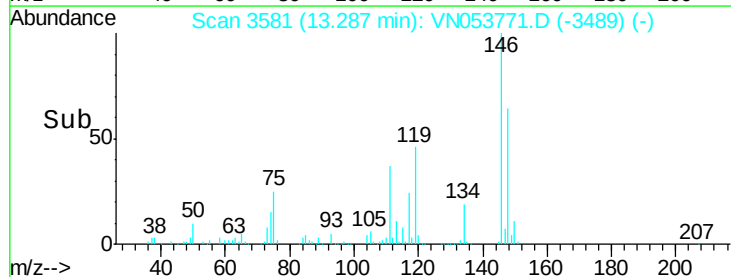
Abundance Ion 119.00 (118.70 to 119.70): V

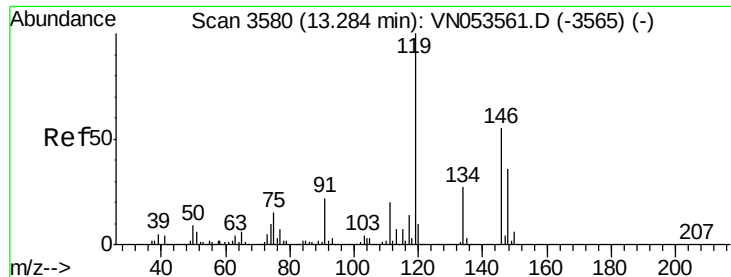
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 19.574 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

ClientSampled :

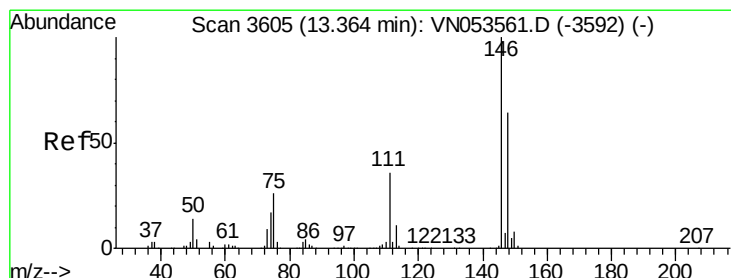
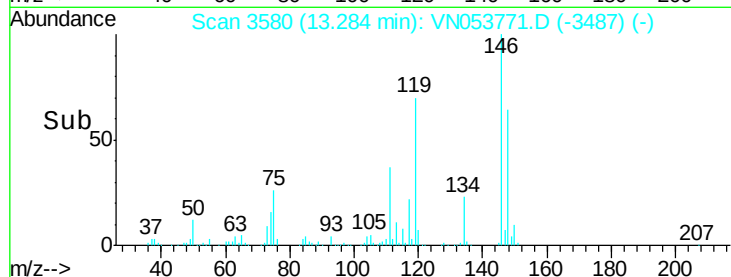
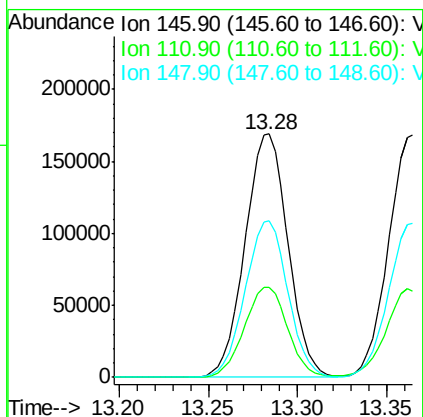
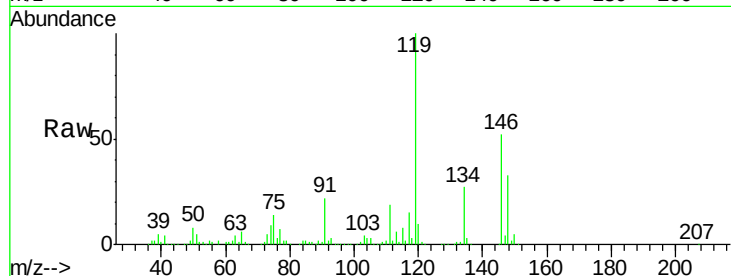
Tot Ion:146 Resp: 283976

Ion Ratio Lower Upper

146 100

111 37.2 18.8 56.3

148 63.9 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 19.317 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

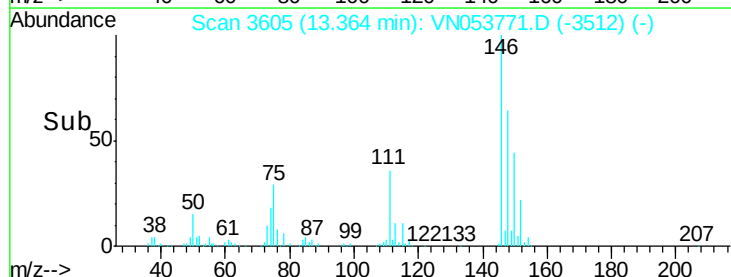
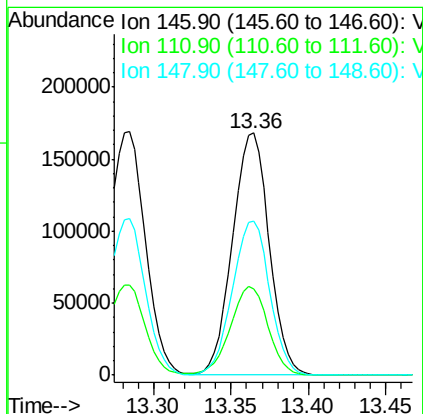
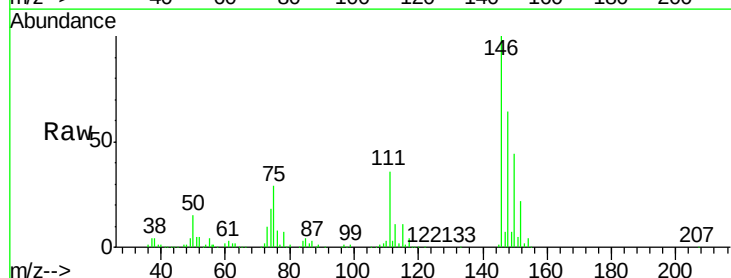
Tgt Ion:146 Resp: 277219

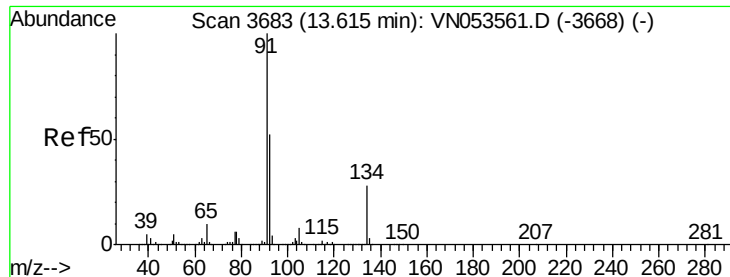
Ion Ratio Lower Upper

146 100

111 37.7 18.6 55.8

148 64.6 32.4 97.0

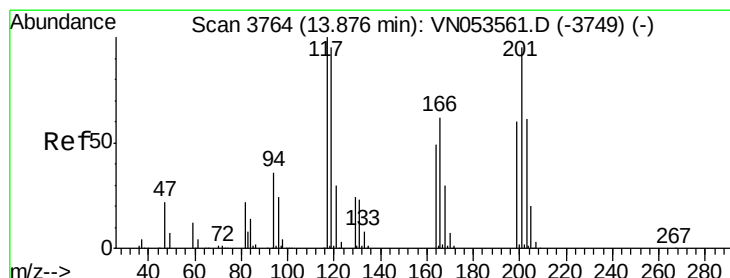
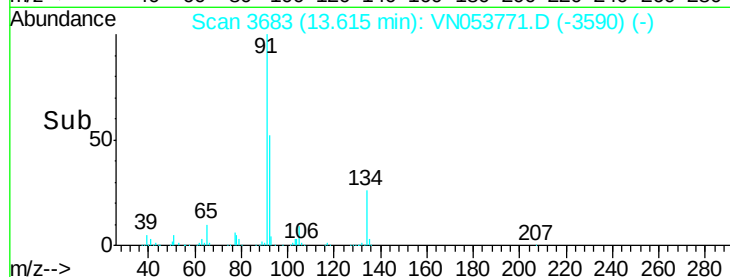
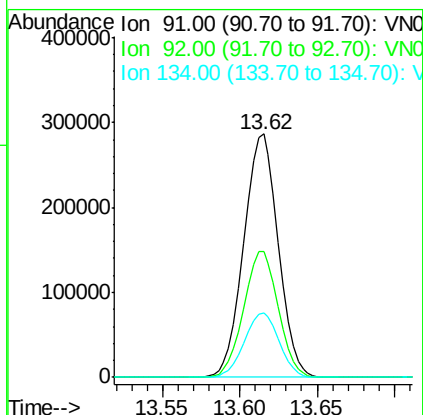
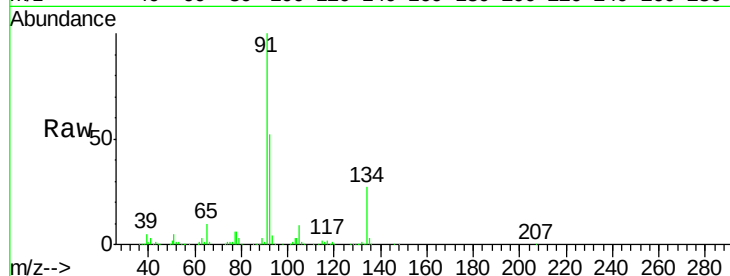




#89
n-Butylbenzene
Concen: 19.691 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

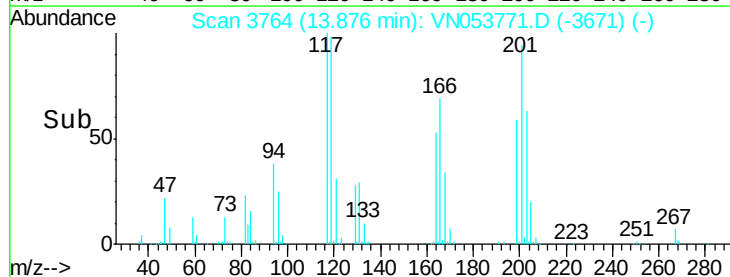
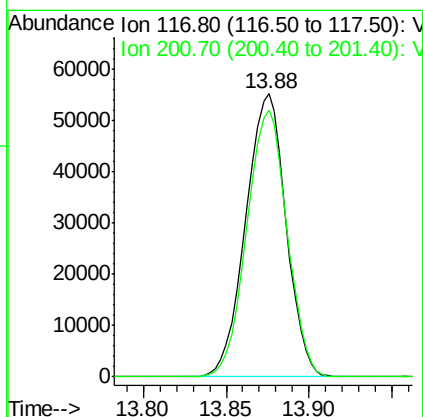
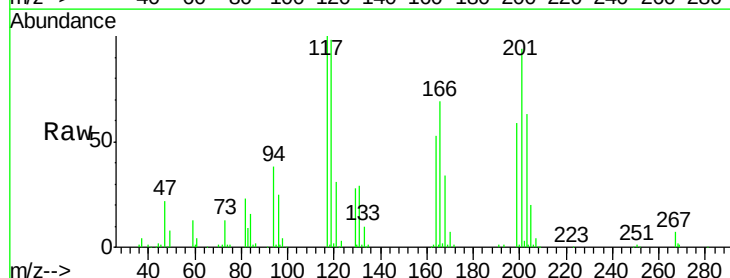
Instrument :
MSVOA_N
ClientSampled :

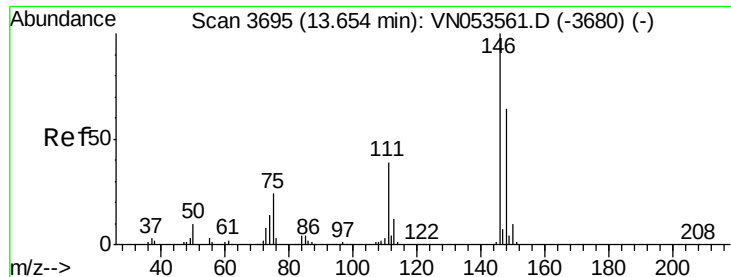
Tot Ion: 91 Resp: 445182
Ion Ratio Lower Upper
91 100
92 51.8 26.3 78.8
134 26.8 13.5 40.5



#90
Hexachloroethane
Concen: 21.562 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion: 117 Resp: 92898
Ion Ratio Lower Upper
117 100
201 94.2 46.8 140.4

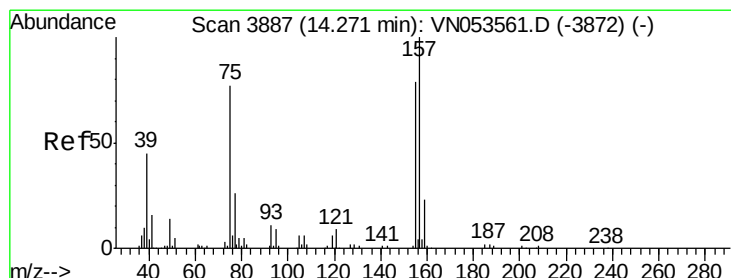
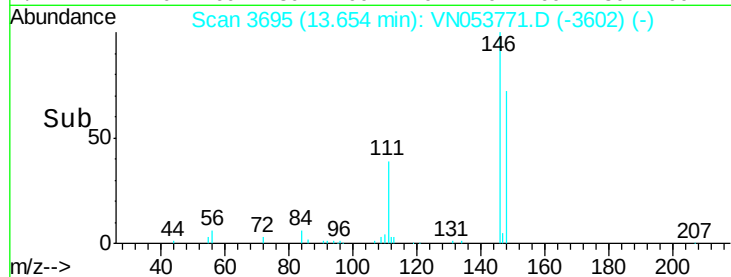
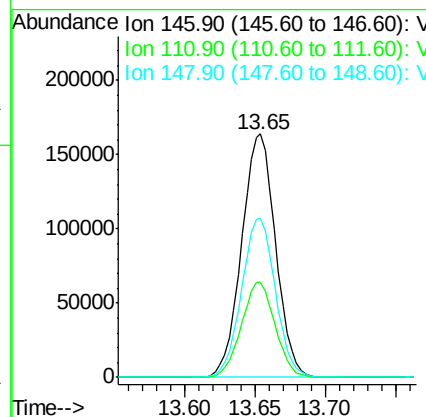
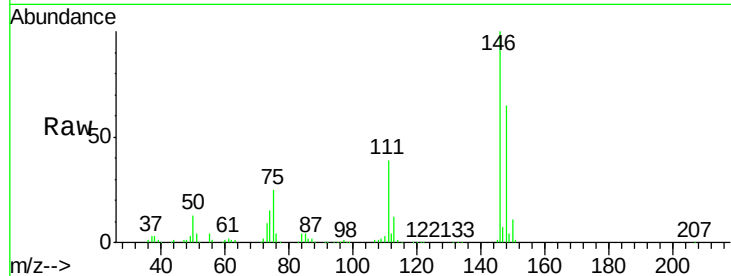




#91
 1,2-Dichlorobenzene
 Concen: 19.836 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

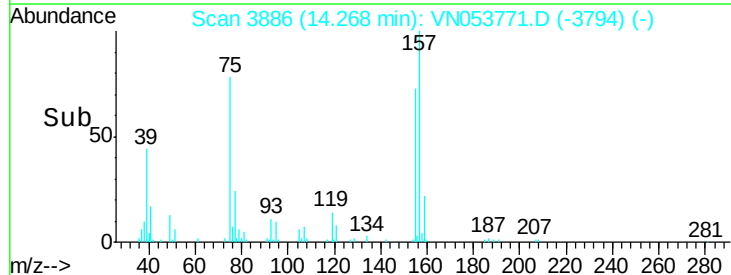
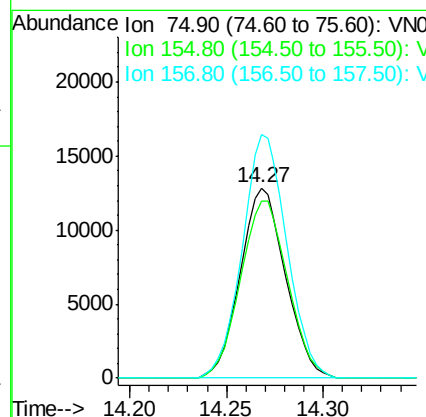
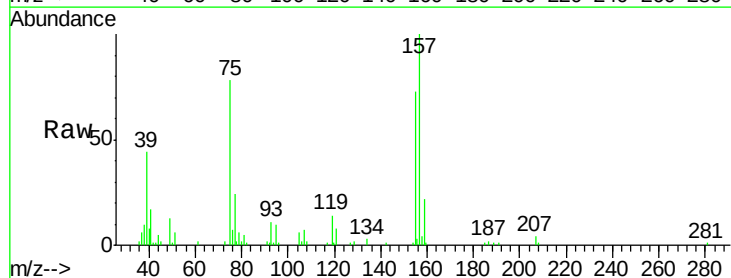
Instrument :
 MSVOA_N
 ClientSampleId :

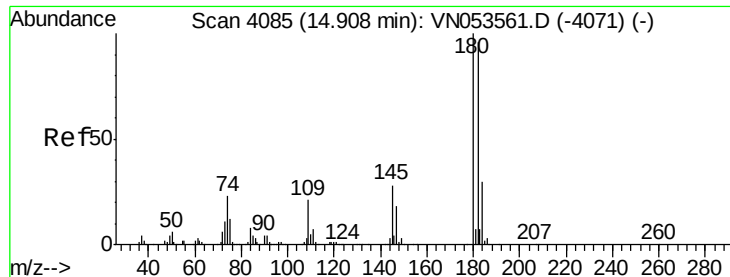
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	65.3	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.463 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	48.9	146.7
157	126.3	63.7	191.3

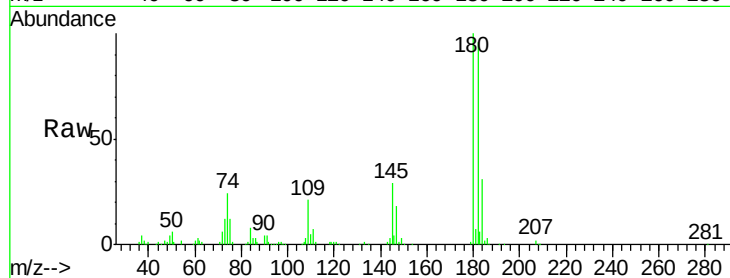




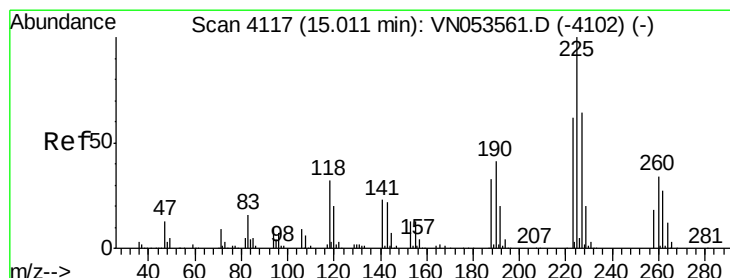
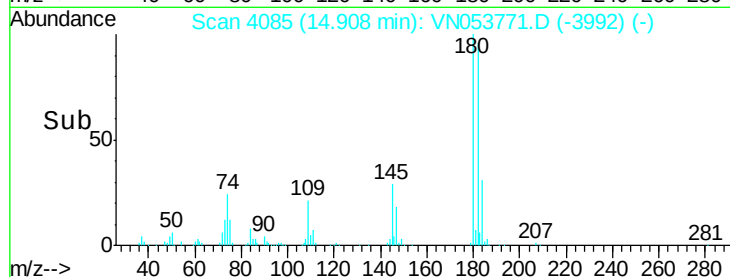
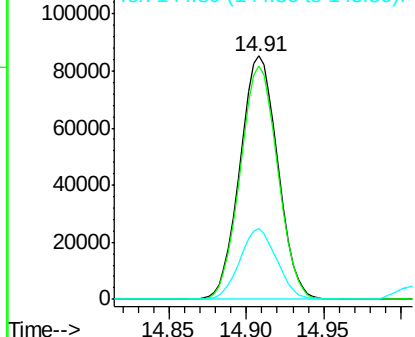
#93
 1,2,4-Trichlorobenzene
 Concen: 18.164 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 144687
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.1 144.3
 145 28.2 13.9 41.6

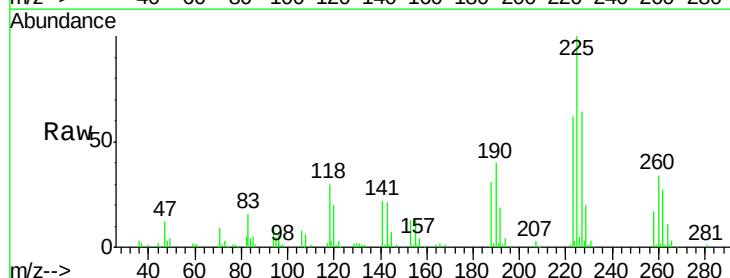


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

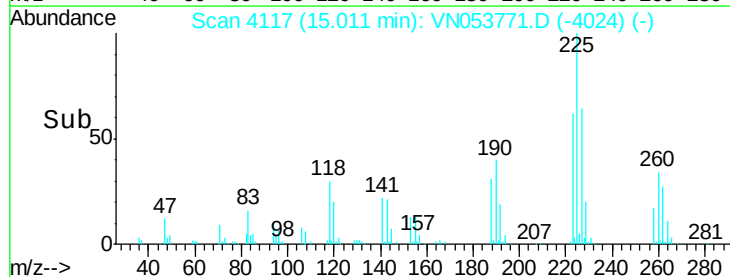
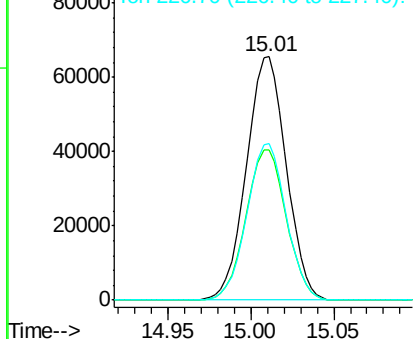


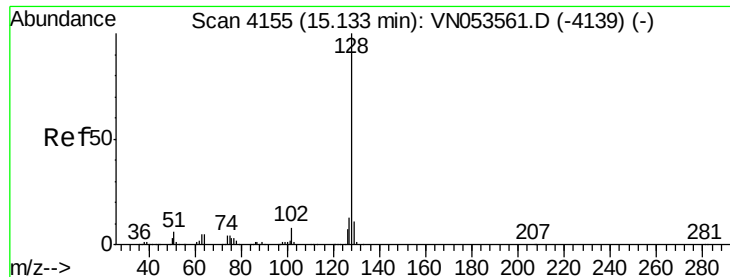
#94
 Hexachlorobutadiene
 Concen: 22.027 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion:225 Resp: 109271
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.1 93.2
 227 63.5 32.0 96.2



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





#95

Naphthalene

Concen: 15.736 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

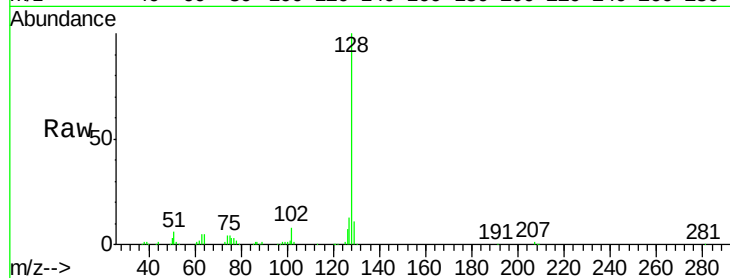
Tot Ion:128 Resp: 271389

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

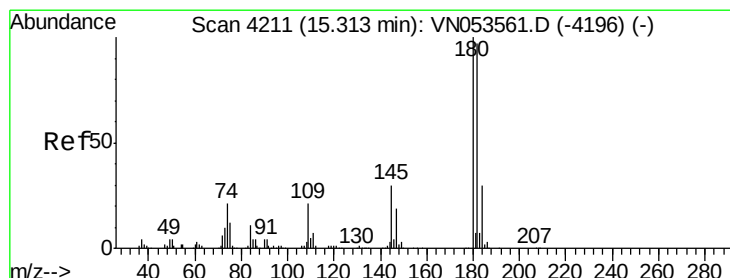
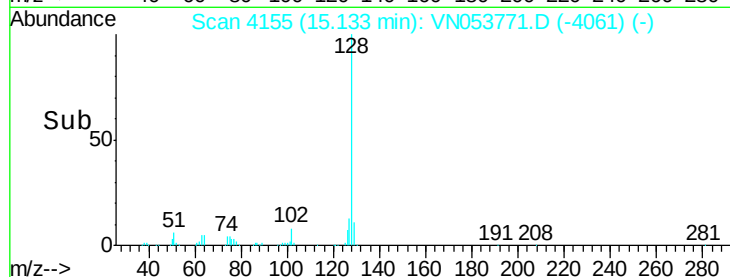
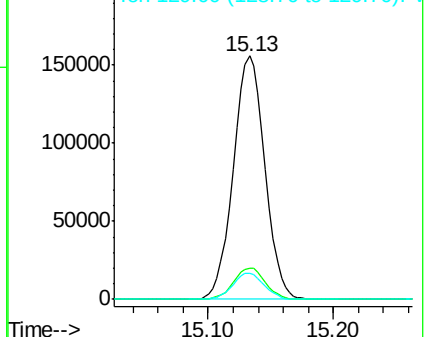
129 10.7 8.6 13.0



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: 19.032 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

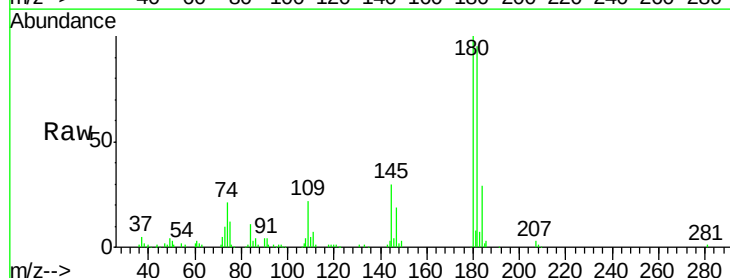
Tgt Ion:180 Resp: 140670

Ion Ratio Lower Upper

180 100

182 97.4 47.9 143.8

145 30.5 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

