

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054610.D
 Acq On : 23 Mar 2019 17:49
 Operator : JC/SP
 Sample : VN0323WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

Quant Time: Mar 25 03:33:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	414350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	707619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	248652	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	299742	58.16	ug/l	0.00
Spiked Amount						
			Recovery	=	116.32%	
35) Dibromofluoromethane	7.59	113	235894	51.74	ug/l	0.00
Spiked Amount						
			Recovery	=	103.48%	
50) Toluene-d8	10.09	98	861861	50.29	ug/l	0.00
Spiked Amount						
			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	283966	48.69	ug/l	0.00
Spiked Amount						
			Recovery	=	97.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	84717	21.387	ug/l	99
3) Chloromethane	2.06	50	119616	22.195	ug/l	99
4) Vinyl Chloride	2.19	62	114175	21.101	ug/l	100
5) Bromomethane	2.58	94	63935	18.273	ug/l	94
6) Chloroethane	2.71	64	65660	20.231	ug/l	96
7) Trichlorofluoromethane	3.03	101	137502	20.925	ug/l	98
8) Diethyl Ether	3.41	74	46817	18.525	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	72482	18.769	ug/l	94
10) Methyl Iodide	3.94	142	106049	18.668	ug/l #	90
11) Tert butyl alcohol	4.82	59	36695	117.602	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	72895	18.239	ug/l #	76
13) Acrolein	3.61	56	7823	18.168	ug/l	90
14) Allyl chloride	4.32	41	168049	22.330	ug/l #	92
15) Acrylonitrile	5.00	53	177862	114.465	ug/l	99
16) Acetone	3.82	43	135107	87.193	ug/l #	85
17) Carbon Disulfide	4.04	76	213616	19.948	ug/l	100
18) Methyl Acetate	4.33	43	87598	25.364	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	257742	22.098	ug/l	94
20) Methylene Chloride	4.55	84	100060	21.906	ug/l #	85
21) trans-1,2-Dichloroethene	5.04	96	91501	22.422	ug/l	86
22) Diisopropyl ether	5.96	45	348208	23.457	ug/l #	93
23) Vinyl Acetate	5.90	43	1261979	120.370	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	186153	23.290	ug/l	98
25) 2-Butanone	6.85	43	219513	110.591	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	115719	20.310	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	107038	21.990	ug/l	86
28) Bromochloromethane	7.19	49	90427	22.985	ug/l #	70
29) Tetrahydrofuran	7.22	42	154478	119.929	ug/l #	83
30) Chloroform	7.37	83	177495	22.755	ug/l	99
31) Cyclohexane	7.65	56	170752	21.226	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	148713	23.109	ug/l	95
36) 1,1-Dichloropropene	7.79	75	131484	19.873	ug/l	96
37) Ethyl Acetate	6.94	43	105236	22.363	ug/l #	93
38) Carbon Tetrachloride	7.77	117	128669	20.012	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	136034	17.974	ug/l #	88
40) Benzene	8.04	78	394524	20.853	ug/l	98
41) Methacrylonitrile	7.18	41	56035	19.526	ug/l	92
42) 1,2-Dichloroethane	8.12	62	143979	20.896	ug/l	97
43) Isopropyl Acetate	8.17	43	193971	24.407	ug/l #	90
44) Trichloroethene	8.83	130	102372	19.462	ug/l	96
45) 1,2-Dichloropropane	9.12	63	110323	21.716	ug/l	99
46) Dibromomethane	9.21	93	64583	21.309	ug/l	87
47) Bromodichloromethane	9.40	83	135456	21.535	ug/l	100
48) Methyl methacrylate	9.20	41	89903	20.842	ug/l	87
49) 1,4-Dioxane	9.21	88	19138	396.868	ug/l #	77
51) 4-Methyl-2-Pentanone	9.99	43	483070	109.678	ug/l	92
52) Toluene	10.16	92	232848	20.010	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	121815	19.771	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	152329	21.121	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	88472	21.151	ug/l	96
56) Ethyl methacrylate	10.43	69	118521	21.111	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	154696	21.275	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	211327	91.411	ug/l	89
59) 2-Hexanone	10.75	43	305803	106.295	ug/l	90
60) Dibromochloromethane	10.90	129	92517	20.786	ug/l	100
61) 1,2-Dibromoethane	11.01	107	83313	20.147	ug/l	98
64) Tetrachloroethene	10.63	164	89888	18.087	ug/l	95
65) Chlorobenzene	11.43	112	242956	19.937	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	91250	20.862	ug/l	97
67) Ethyl Benzene	11.51	91	433362	20.132	ug/l	98
68) m/p-Xylenes	11.62	106	315478	38.693	ug/l	92
69) o-Xylene	11.95	106	158816	19.945	ug/l	94
70) Styrene	11.96	104	260367	20.135	ug/l	97
71) Bromoform	12.13	173	53449	19.158	ug/l #	98
73) Isopropylbenzene	12.25	105	417454	20.834	ug/l	97
74) N-amyl acetate	12.07	43	133538	23.178	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	113567	24.829	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	122062	30.935	ug/l #	100
77) Bromobenzene	12.53	156	101985	20.523	ug/l	83
78) n-propylbenzene	12.59	91	449722	20.699	ug/l	97
79) 2-Chlorotoluene	12.67	91	281221	20.756	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	335190	20.411	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	22919	21.926	ug/l	86
82) 4-Chlorotoluene	12.77	91	273665	20.838	ug/l	96
83) tert-Butylbenzene	12.99	119	293243	20.514	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	330802	20.529	ug/l	98
85) sec-Butylbenzene	13.17	105	361946	20.312	ug/l	96
86) p-Isopropyltoluene	13.29	119	318527	19.980	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	165547	20.103	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	159964	19.964	ug/l	97
89) n-Butylbenzene	13.61	91	235826	18.918	ug/l	98
90) Hexachloroethane	13.87	117	52675	21.286	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	166518	20.876	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15727	23.442	ug/l	84

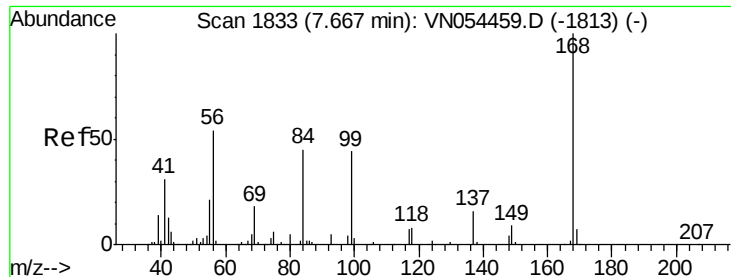
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71009	17.858	ug/l	97
94) Hexachlorobutadiene	15.01	225	45991	19.052	ug/l	99
95) Naphthalene	15.13	128	167672	18.905	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	72501	18.320	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

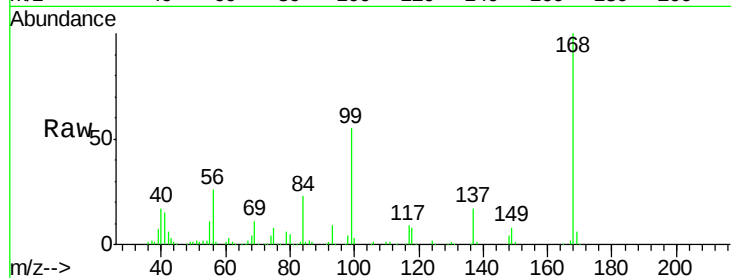
VN0323WBSD01

Tot Ion:168 Resp: 414350

Ion Ratio Lower Upper

168 100

99 54.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

150000

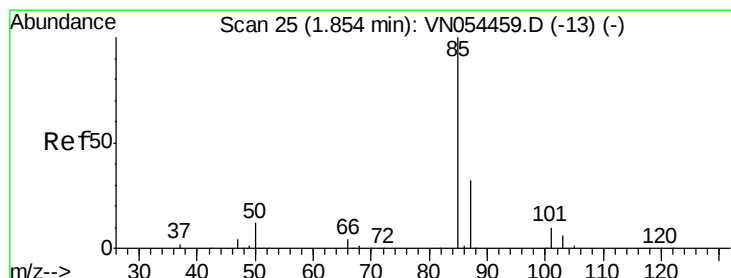
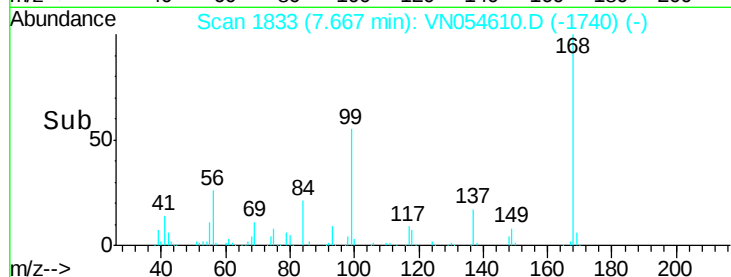
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 21.387 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054610.D

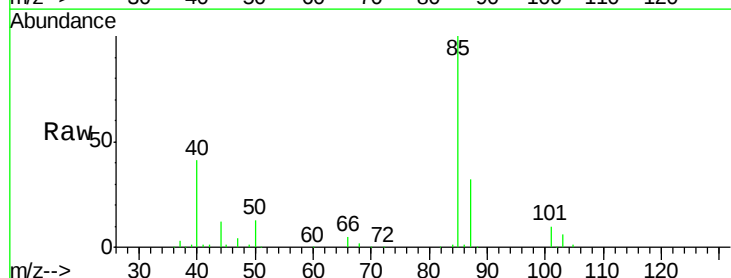
Acq: 23 Mar 2019 17:49

Tgt Ion: 85 Resp: 84717

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

60000

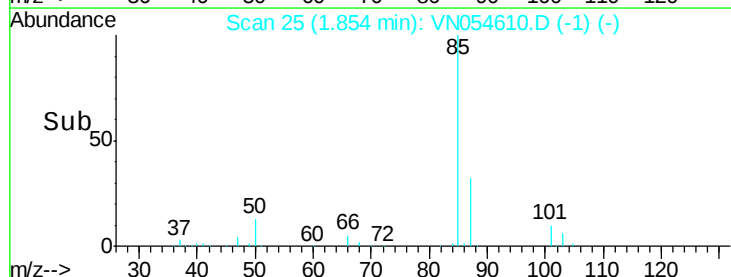
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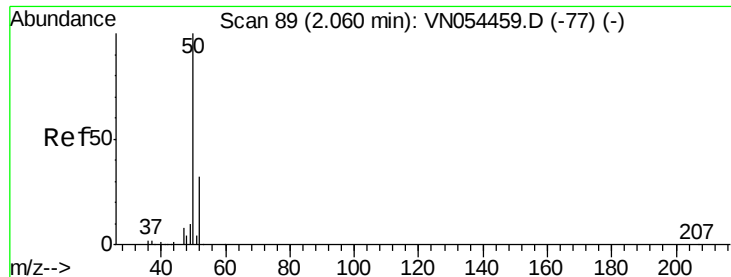
20000

0

Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 22.195 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

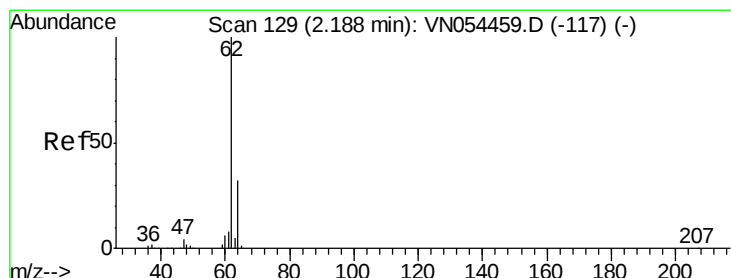
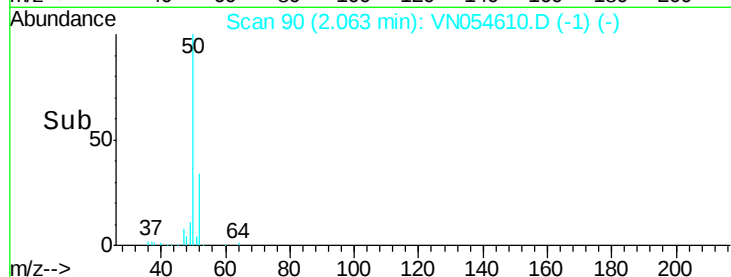
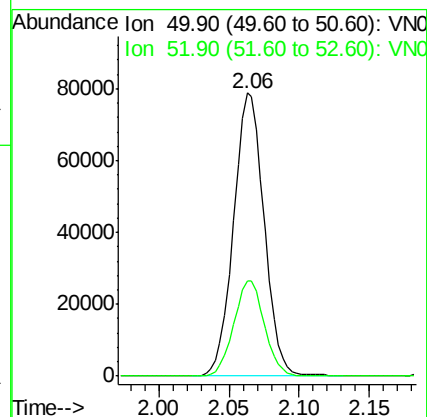
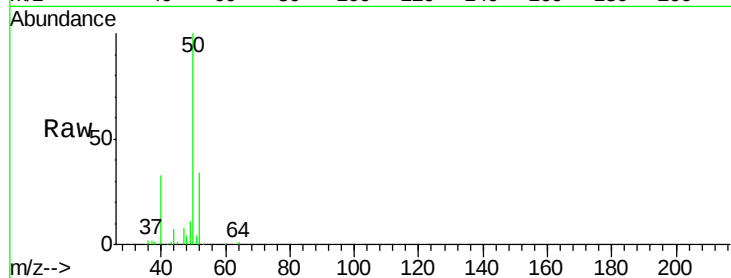
VN0323WBSD01

Tot Ion: 50 Resp: 119616

Ion Ratio Lower Upper

50 100

52 33.5 26.4 39.6



#4

Vinyl Chloride

Concen: 21.101 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054610.D

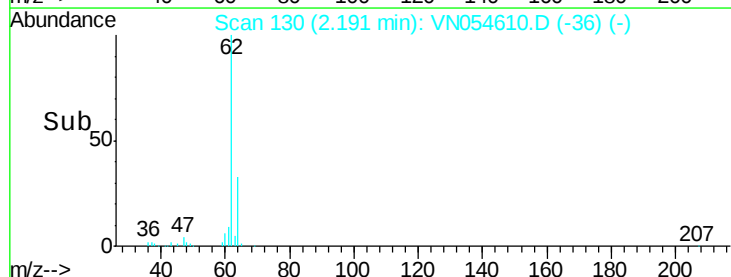
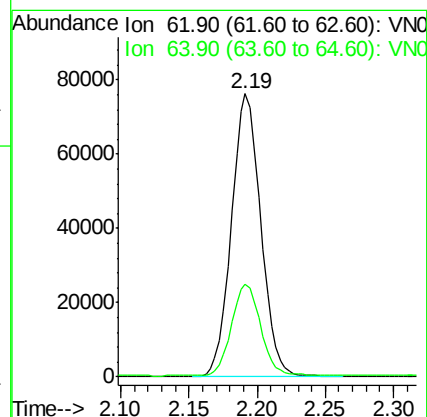
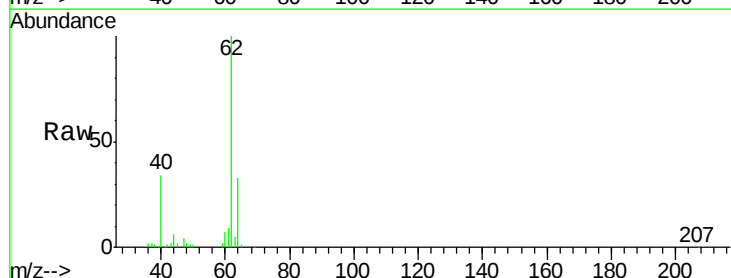
Acq: 23 Mar 2019 17:49

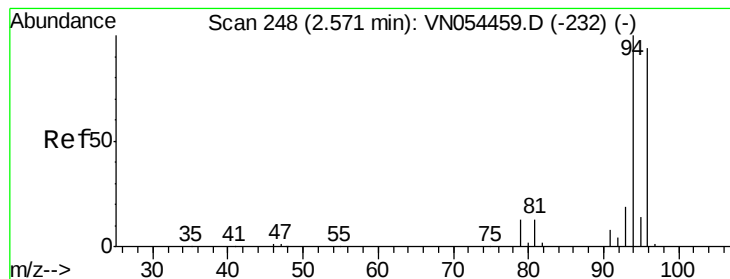
Tgt Ion: 62 Resp: 114175

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 18.273 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

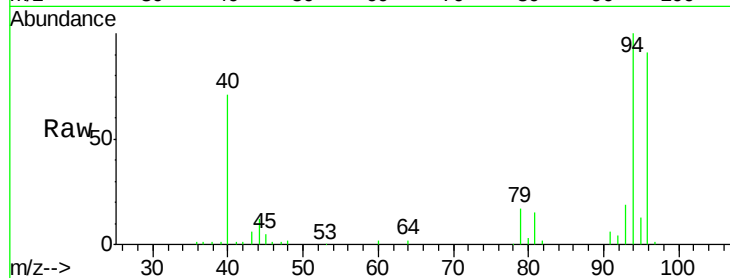
VN0323WBSD01

Tot Ion: 94 Resp: 63935

Ion Ratio Lower Upper

94 100

96 90.7 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

30000

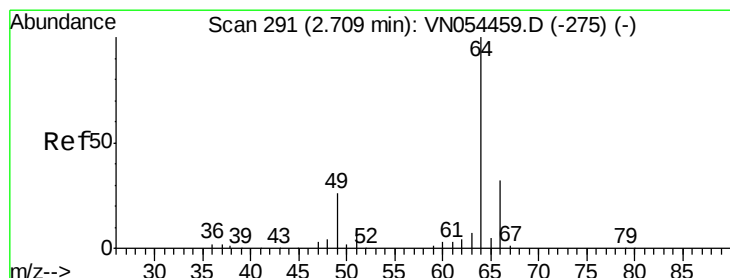
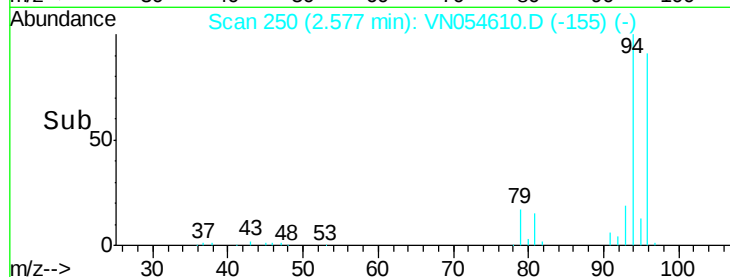
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.231 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054610.D

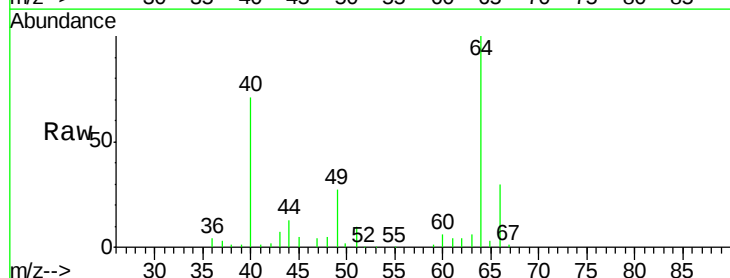
Acq: 23 Mar 2019 17:49

Tgt Ion: 64 Resp: 65660

Ion Ratio Lower Upper

64 100

66 30.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

30000

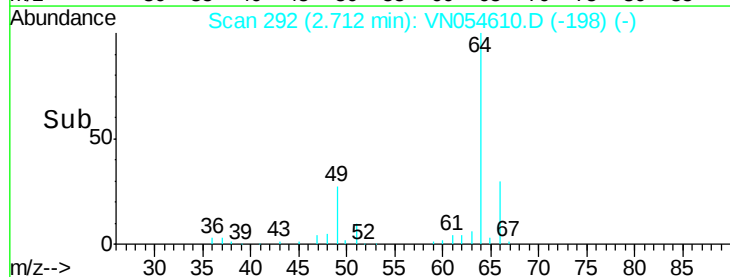
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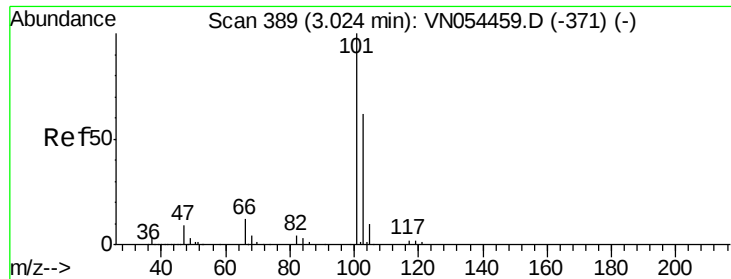
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Time-->

2.65 2.70 2.75 2.80



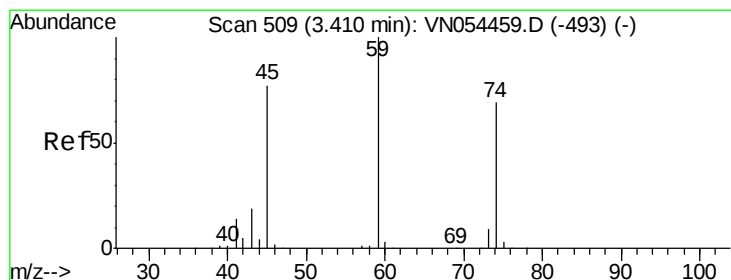
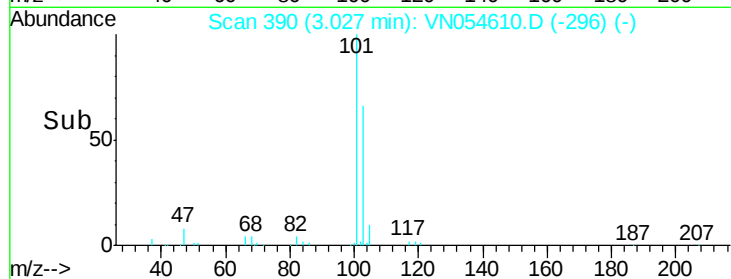
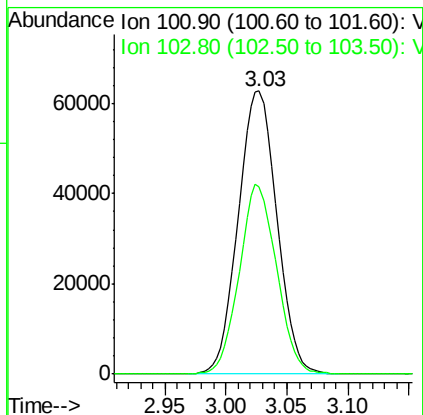
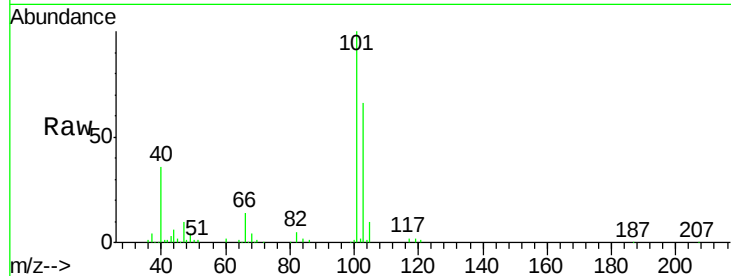


#7

Trichlorofluoromethane
 Concen: 20.925 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

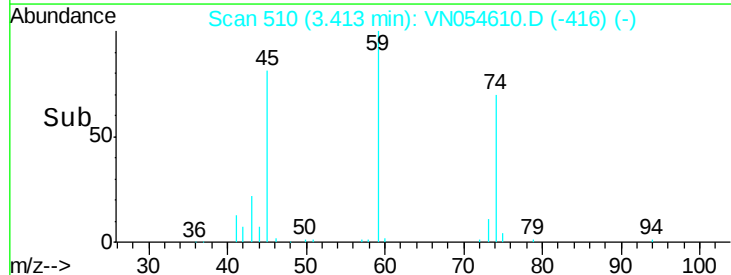
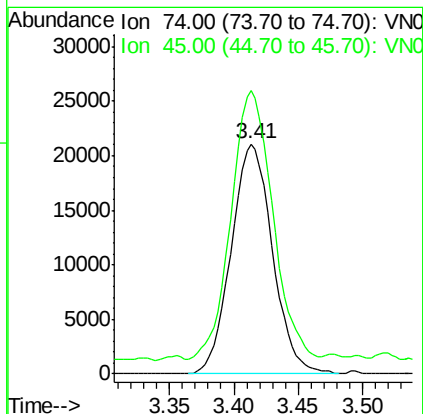
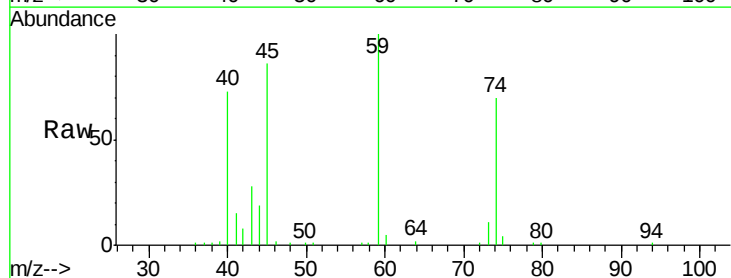
Tot Ion:101 Resp: 137502
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.4 77.2

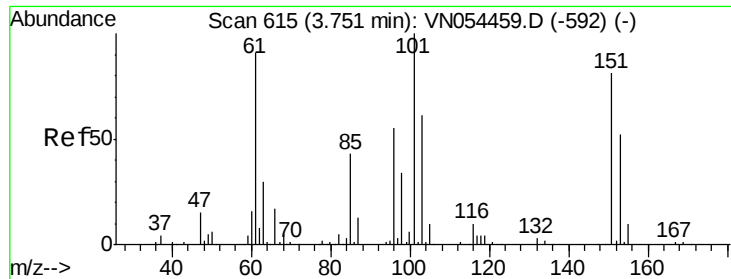


#8

Diethyl Ether
 Concen: 18.525 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion: 74 Resp: 46817
 Ion Ratio Lower Upper
 74 100
 45 117.9 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.769 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

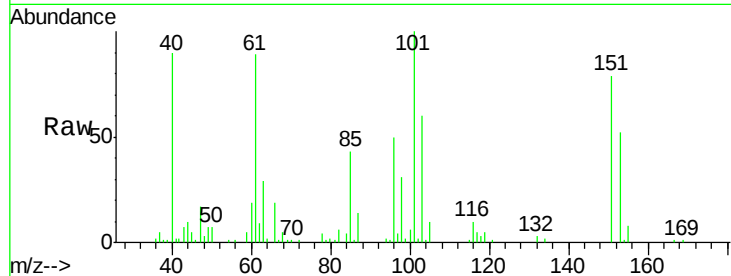
Tot Ion:101 Resp: 72482

Ion Ratio Lower Upper

101 100

85 43.3 32.4 48.6

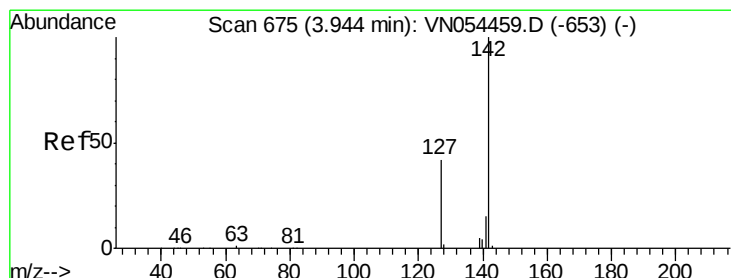
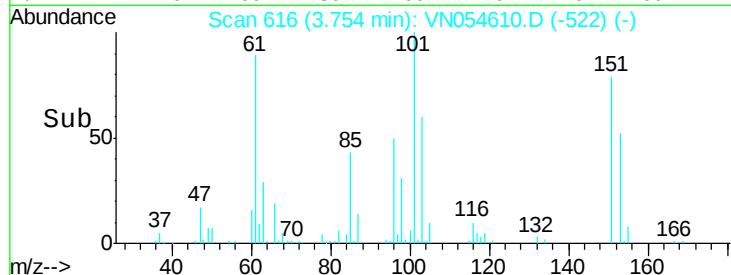
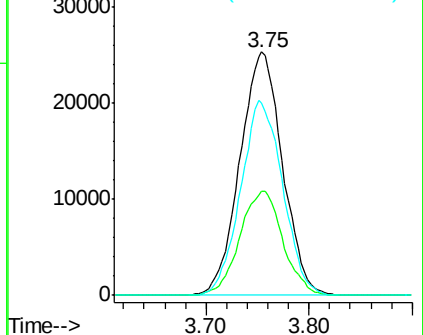
151 79.1 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.668 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

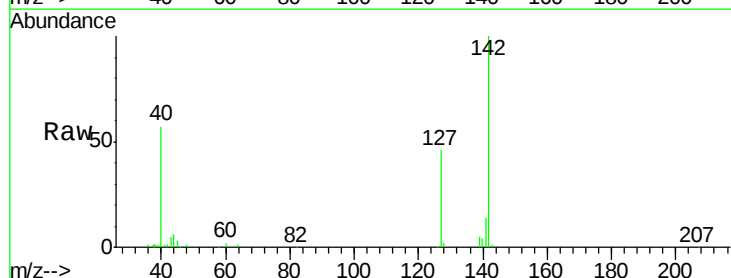
Tgt Ion:142 Resp: 106049

Ion Ratio Lower Upper

142 100

127 46.4 30.3 45.5#

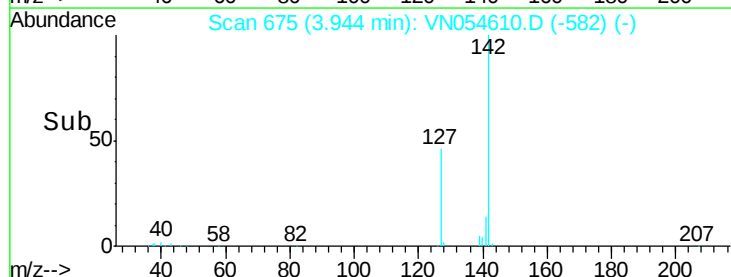
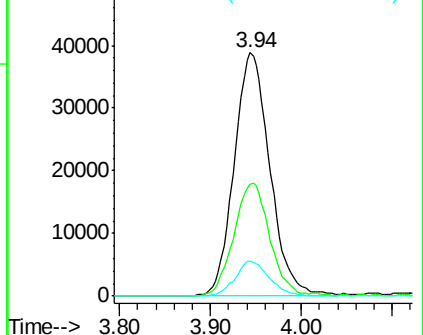
141 13.7 11.2 16.8

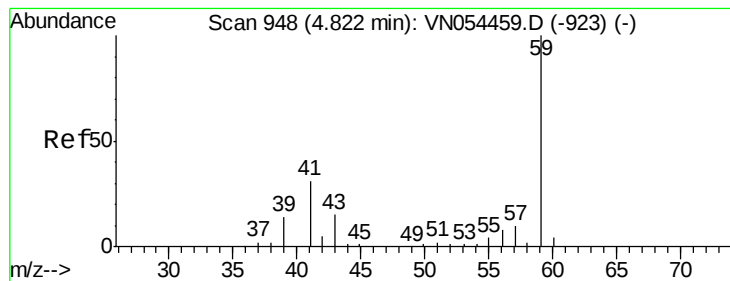


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



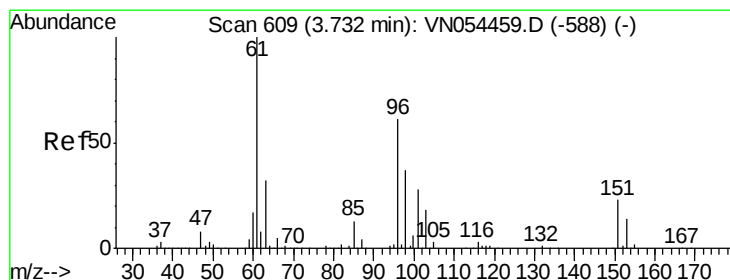
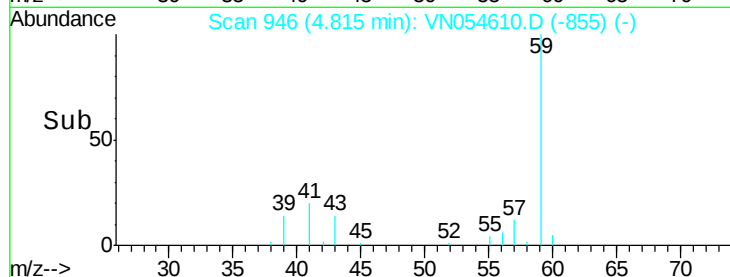
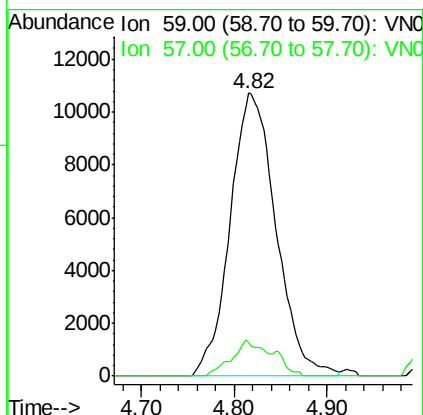
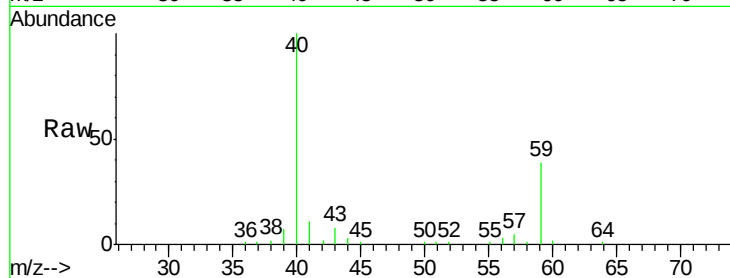


#11

Tert butyl alcohol
 Concen: 117.602 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

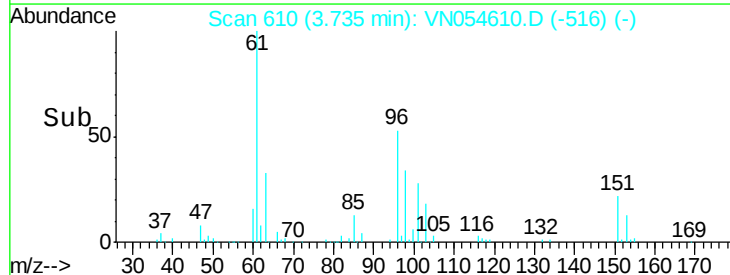
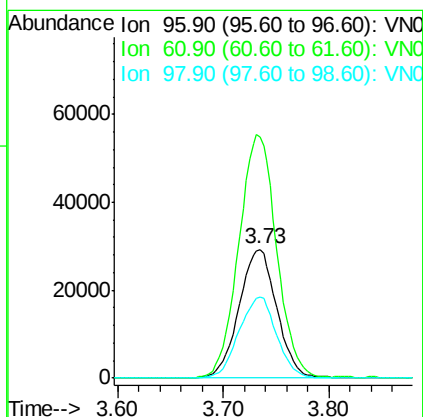
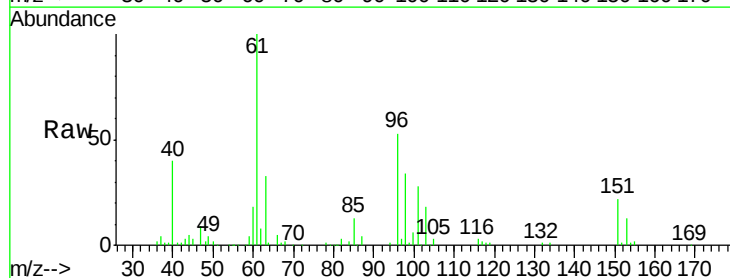
Tot Ion: 59 Resp: 36695
 Ion Ratio Lower Upper
 59 100
 57 8.8 9.0 13.6#

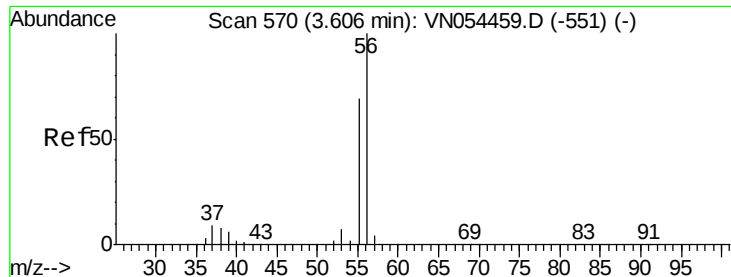


#12

1,1-Dichloroethene
 Concen: 18.239 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion: 96 Resp: 72895
 Ion Ratio Lower Upper
 96 100
 61 188.0 116.5 174.7#
 98 63.5 51.0 76.4





#13

Acrolein

Concen: 18.168 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

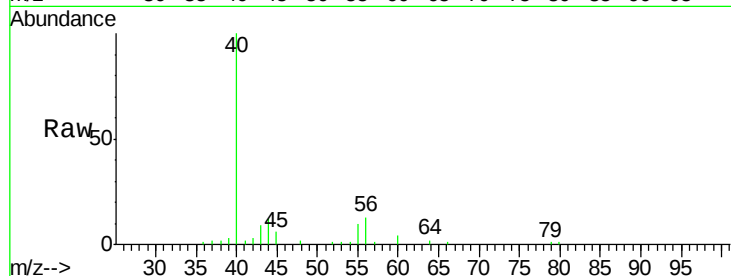
VN0323WBSD01

Tot Ion: 56 Resp: 7823

Ion Ratio Lower Upper

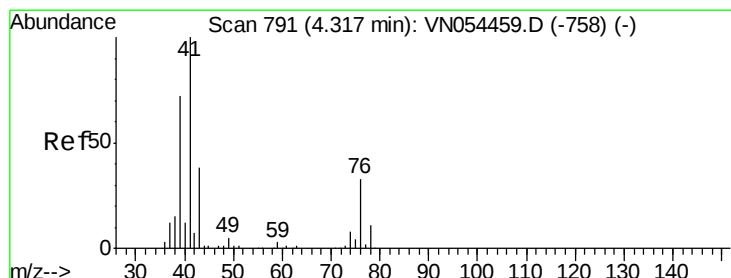
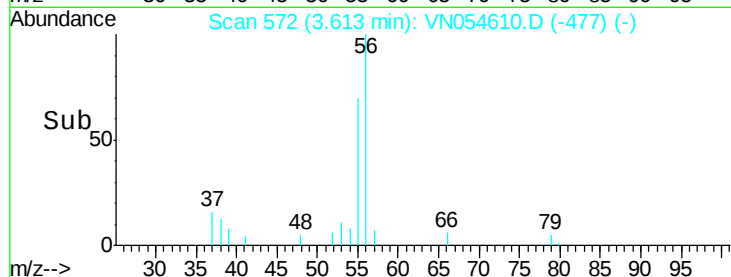
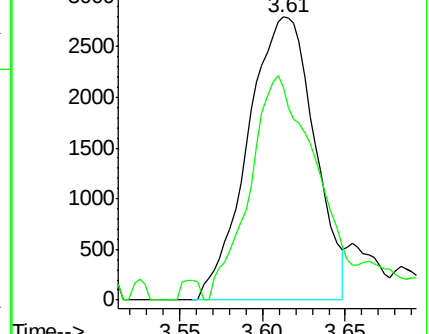
56 100

55 79.4 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 22.330 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

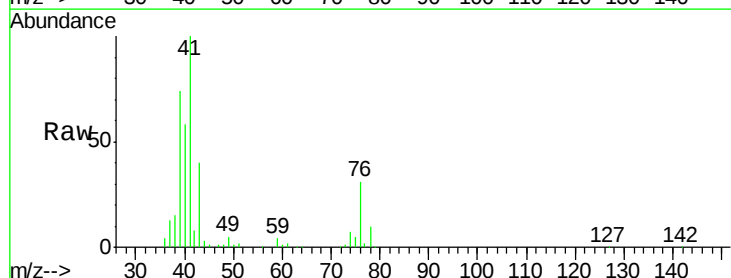
Tgt Ion: 41 Resp: 168049

Ion Ratio Lower Upper

41 100

39 69.8 58.2 87.4

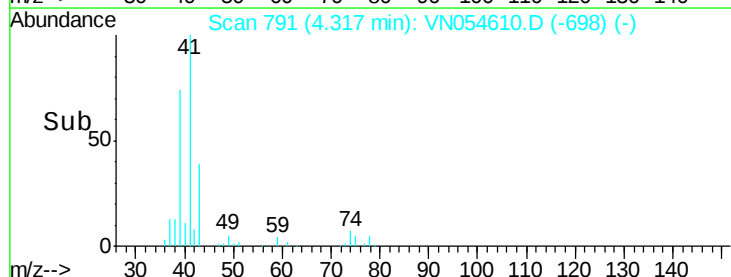
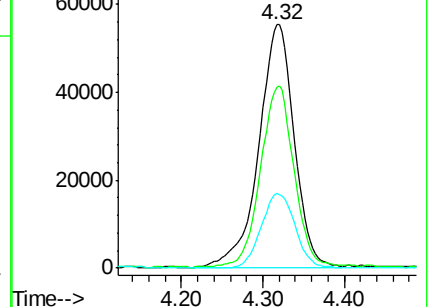
76 29.2 31.7 47.5#

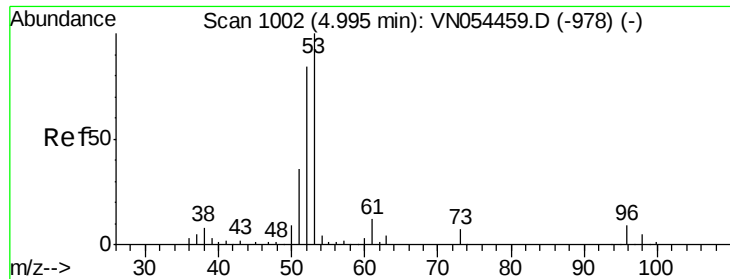


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

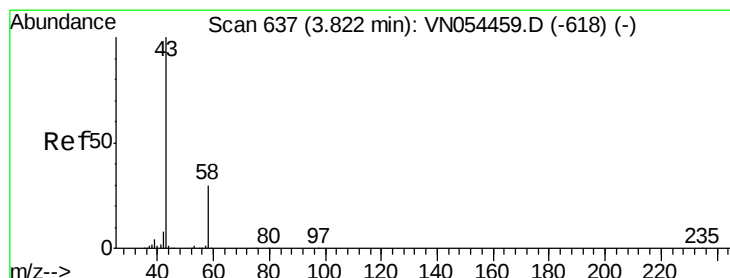
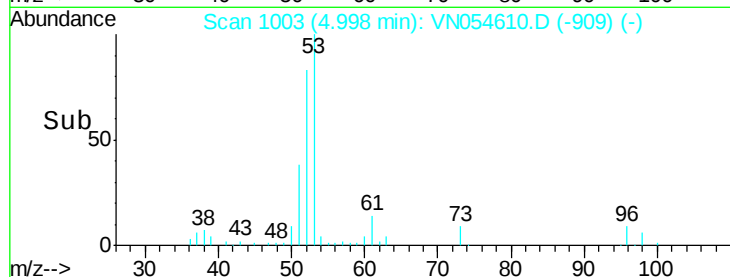
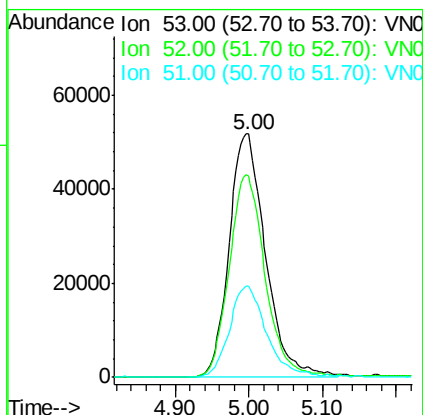
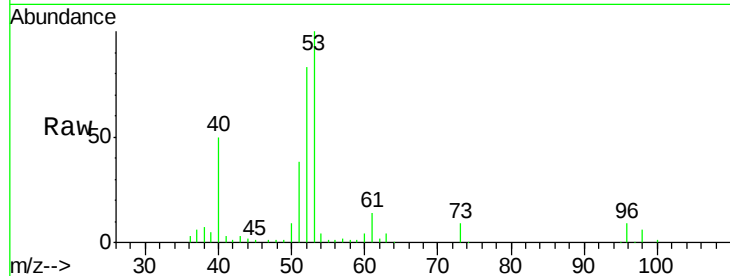




#15
 Acrylonitrile
 Concen: 114.465 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

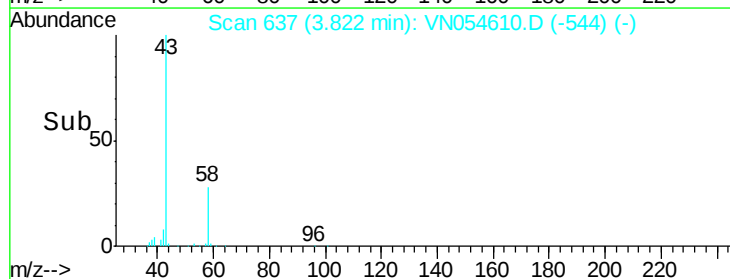
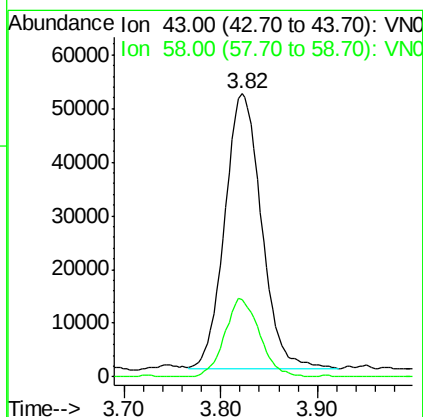
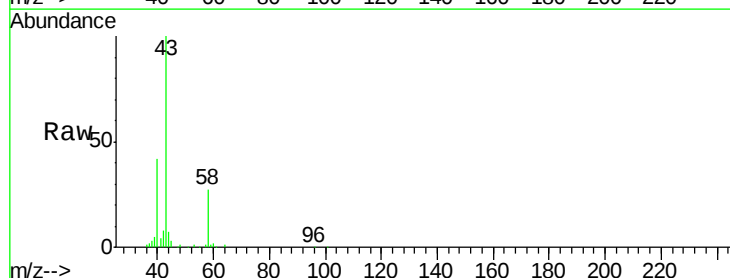
Instrument :
 MSVOA_N
 ClientSampled :
 VN0323WBSD01

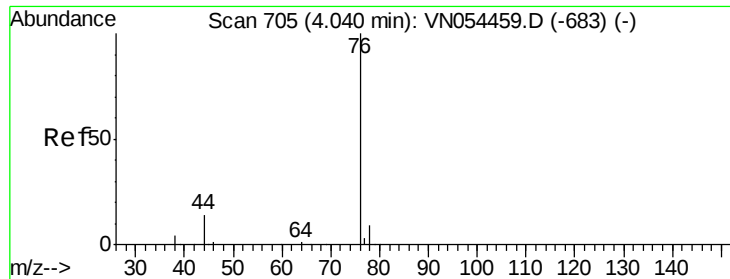
Tot Ion: 53 Resp: 177862
 Ion Ratio Lower Upper
 53 100
 52 82.3 66.4 99.6
 51 38.3 29.6 44.4



#16
 Acetone
 Concen: 87.193 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion: 43 Resp: 135107
 Ion Ratio Lower Upper
 43 100
 58 28.2 29.9 44.9#

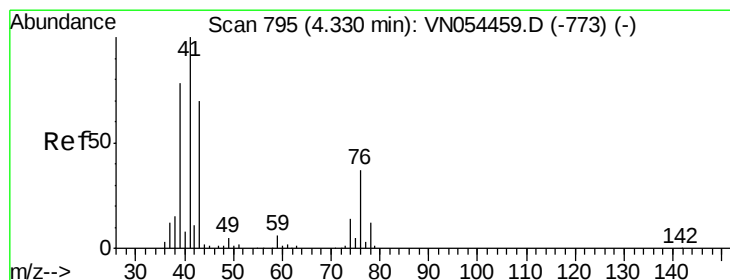
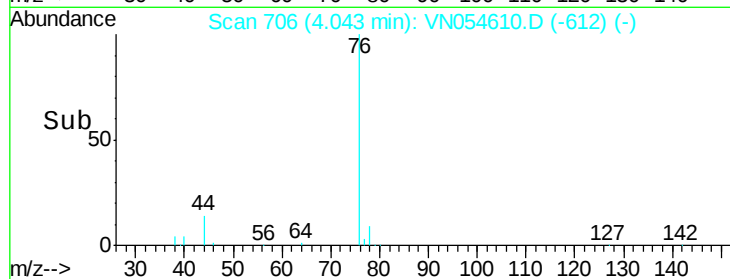
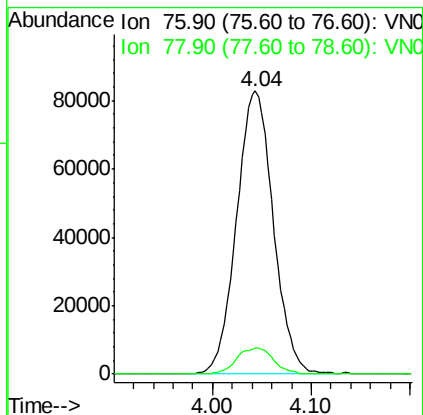
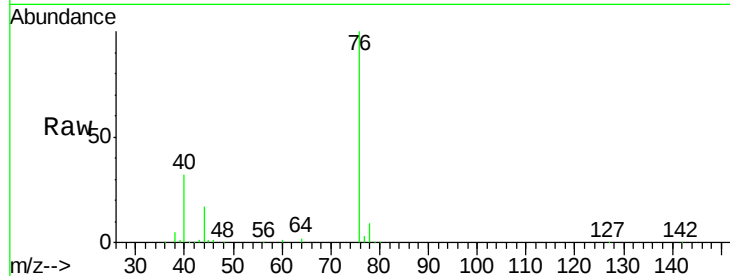




#17
Carbon Disulfide
Concen: 19.948 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

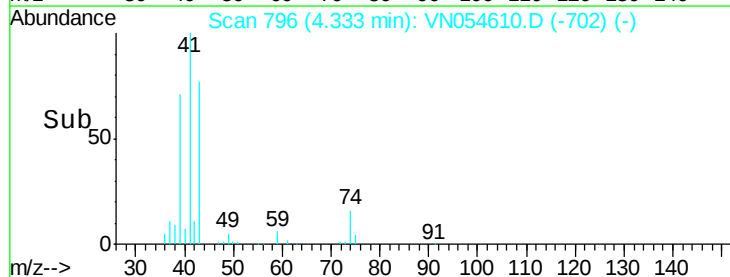
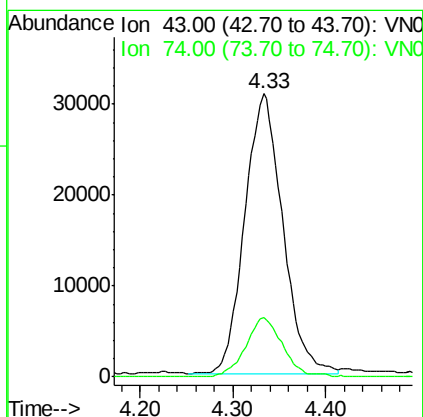
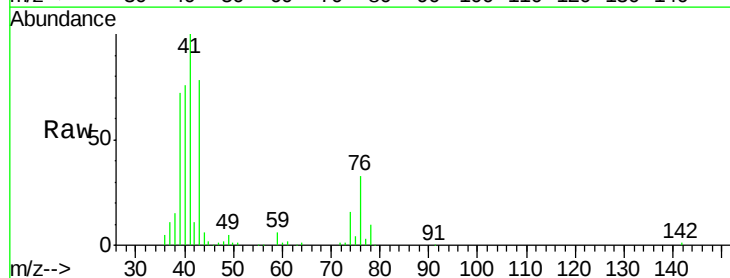
Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

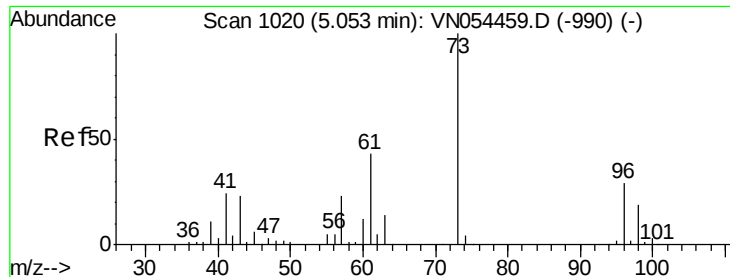
Tot Ion: 76 Resp: 213616
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#18
Methyl Acetate
Concen: 25.364 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion: 43 Resp: 87598
Ion Ratio Lower Upper
43 100
74 20.6 20.8 31.2#

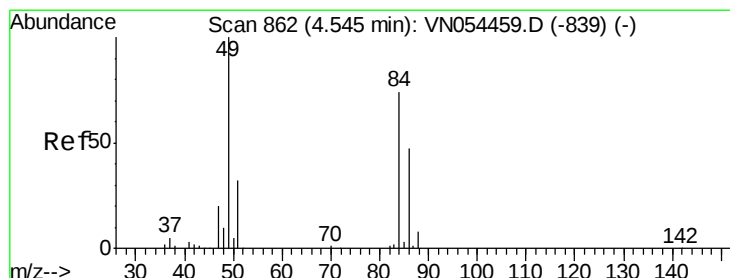
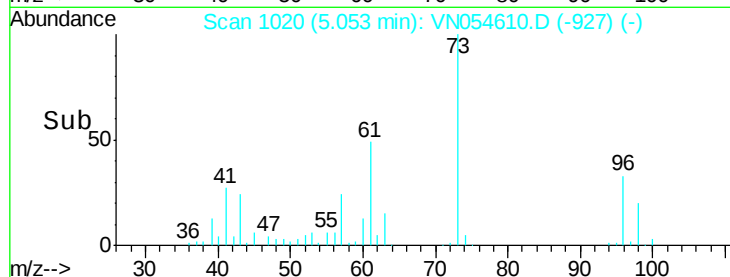
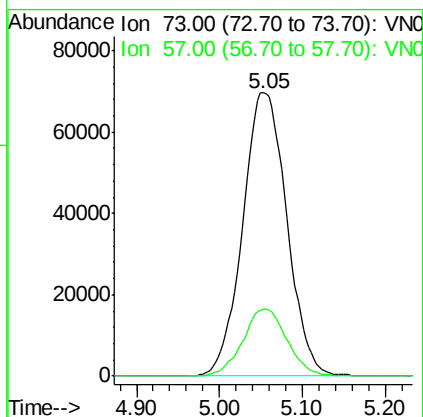
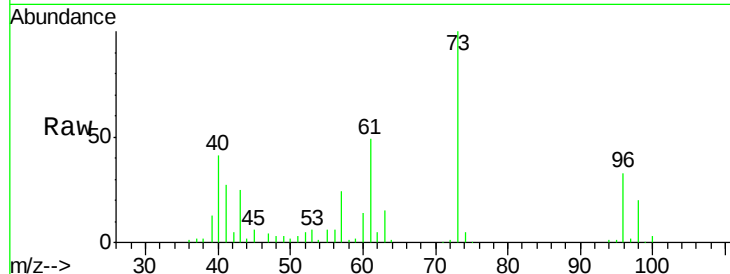




#19
Methvl tert-butvl Ether
Concen: 22.098 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

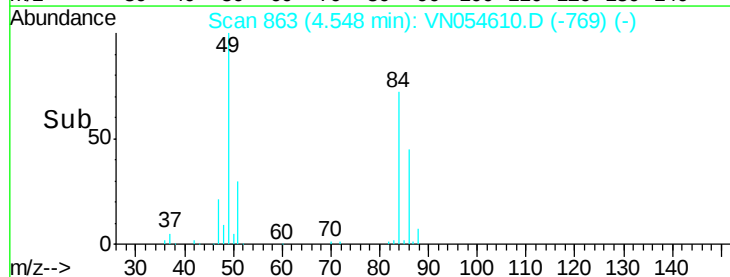
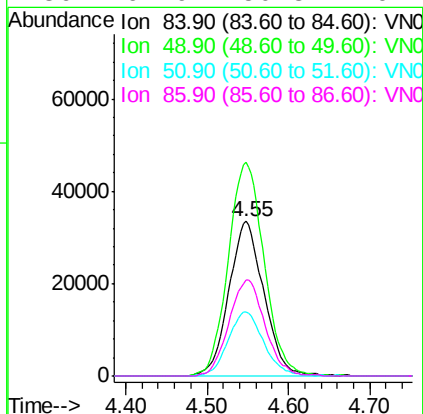
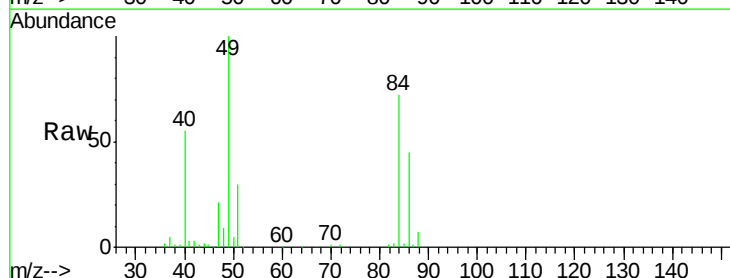
Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

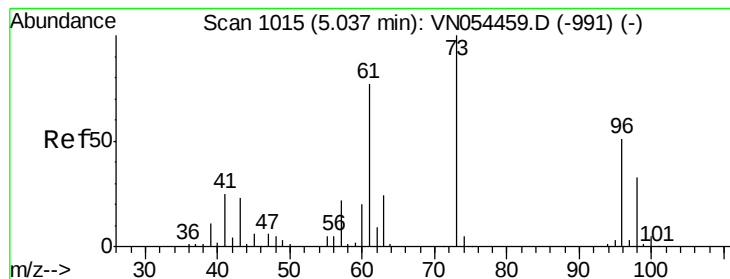
Tot Ion: 73 Resp: 257742
Ion Ratio Lower Upper
73 100
57 23.9 16.8 25.2



#20
Methylene Chloride
Concen: 21.906 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion: 84 Resp: 100060
Ion Ratio Lower Upper
84 100
49 138.1 89.7 134.5#
51 41.8 28.2 42.4
86 61.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 22.422 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

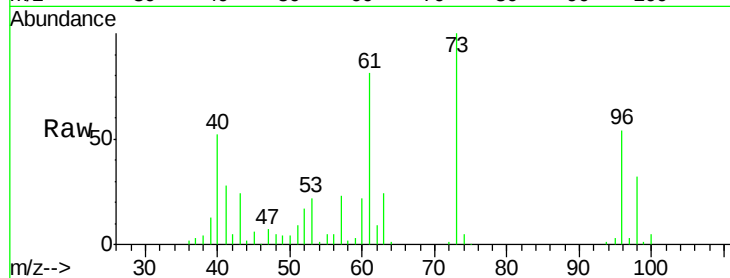
Tot Ion: 96 Resp: 91501

Ion Ratio Lower Upper

96 100

61 150.6 102.8 154.2

98 58.9 50.0 75.0

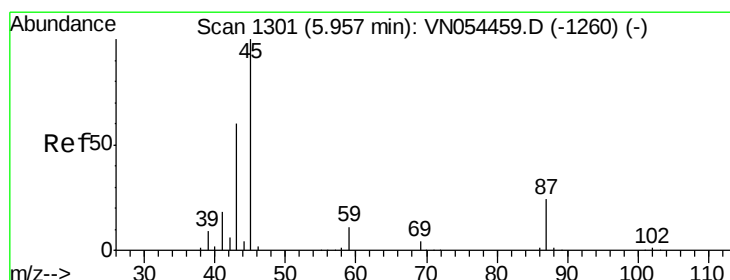
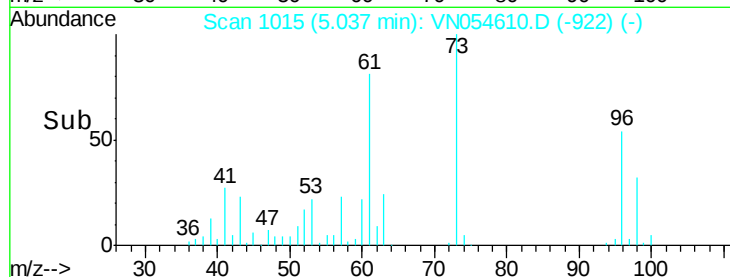
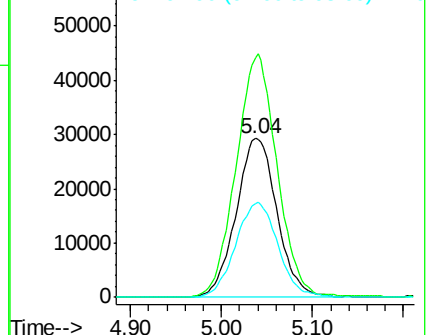


Abundance

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: 23.457 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Tgt Ion: 45 Resp: 348208

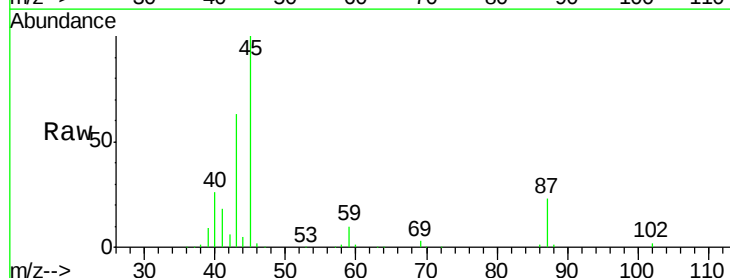
Ion Ratio Lower Upper

45 100

43 62.1 48.2 72.2

87 22.8 24.9 37.3#

59 10.1 9.5 14.3



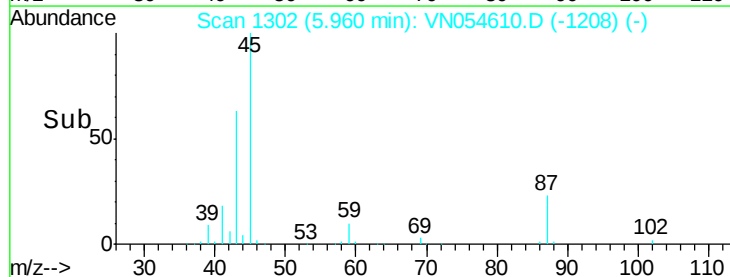
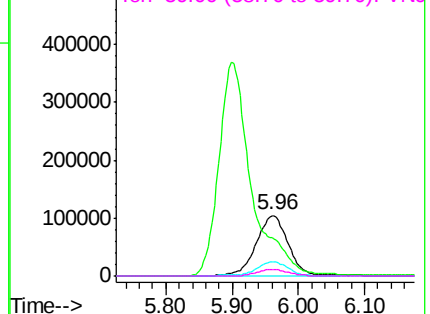
Abundance

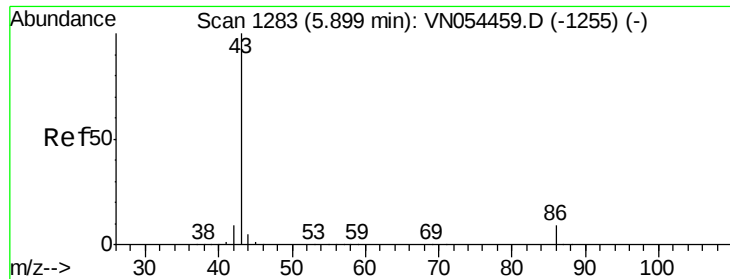
Ion 45.00 (44.70 to 45.70): VN0

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

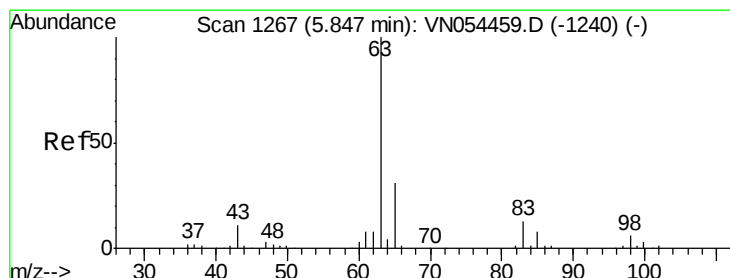
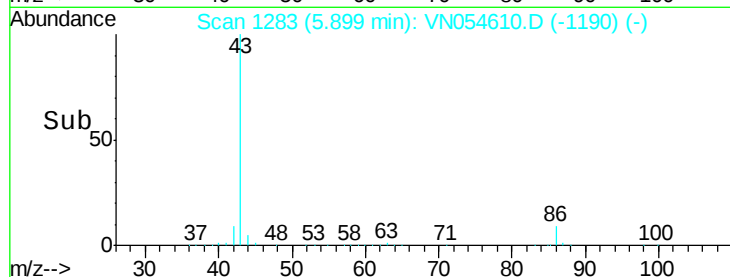
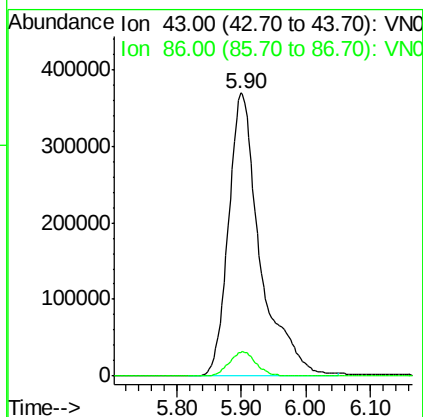
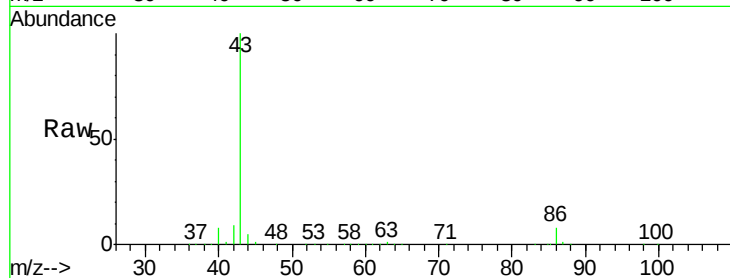




#23
 Vinyl Acetate
 Concen: 120.370 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

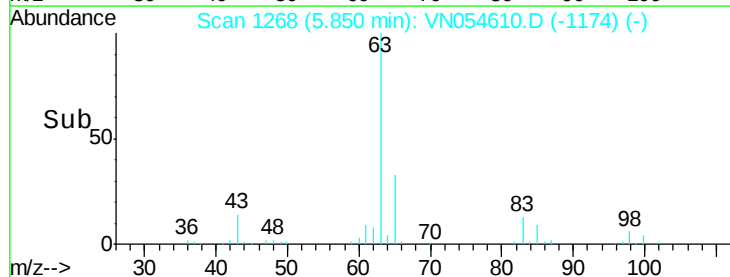
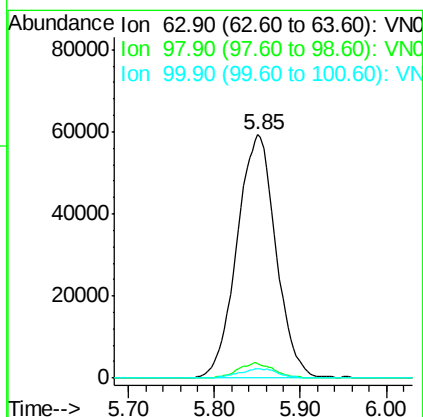
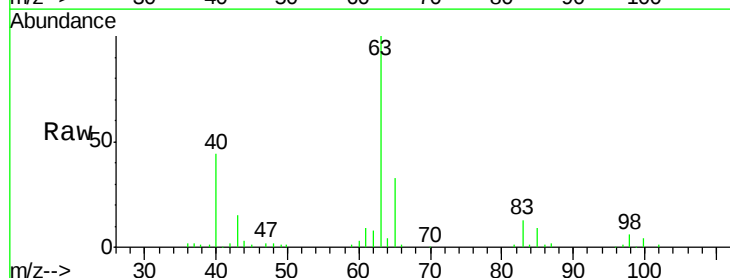
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

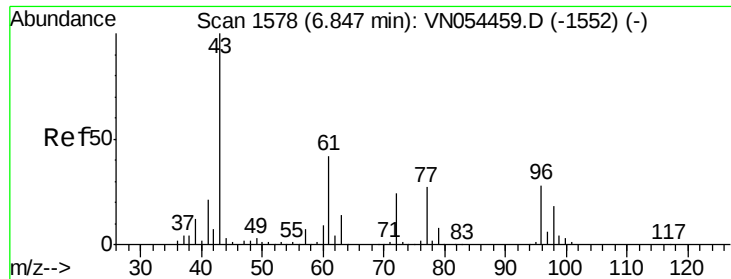
Tot Ion: 43 Resp: 1261979
 Ion Ratio Lower Upper
 43 100
 86 8.5 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 23.290 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion: 63 Resp: 186153
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.5 10.5
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 110.591 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

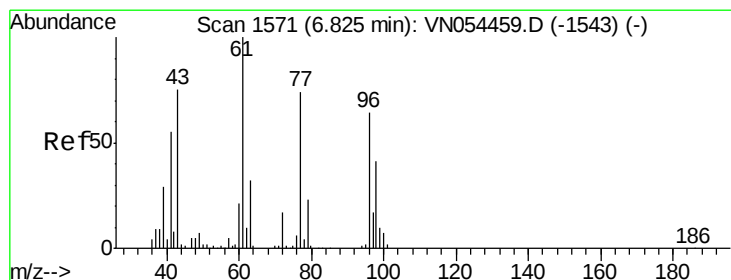
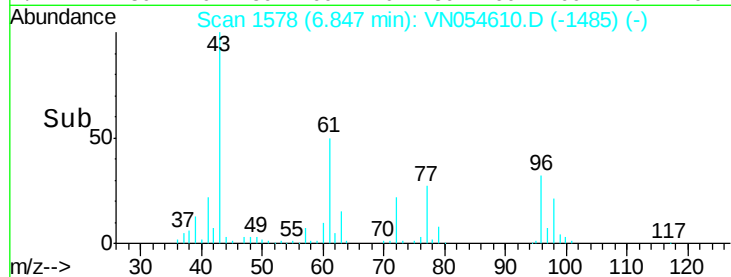
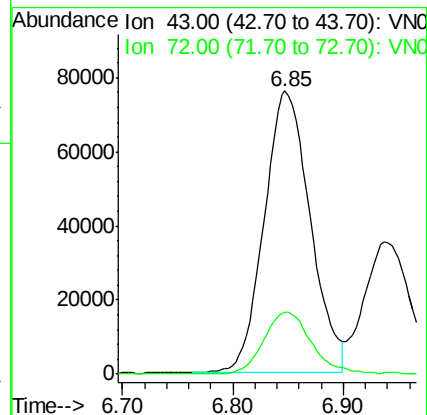
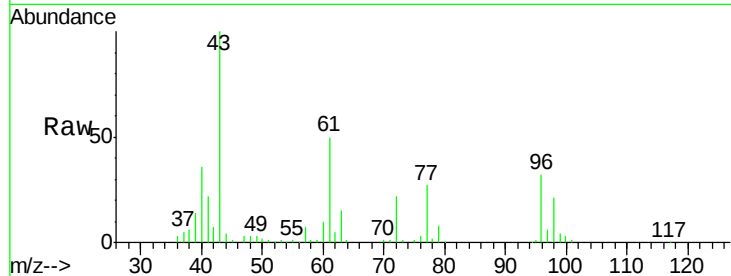
Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion: 43 Resp: 219513

Ion Ratio Lower Upper

43 100

72 22.0 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 20.310 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054610.D

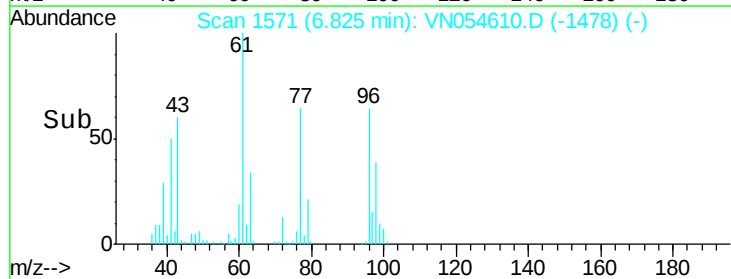
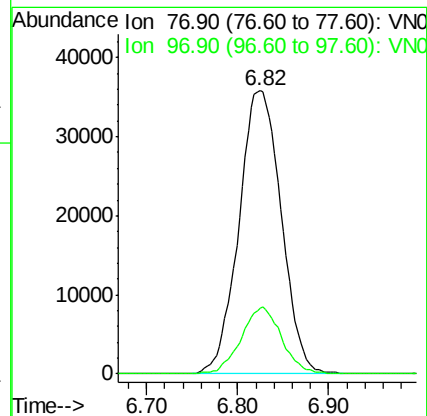
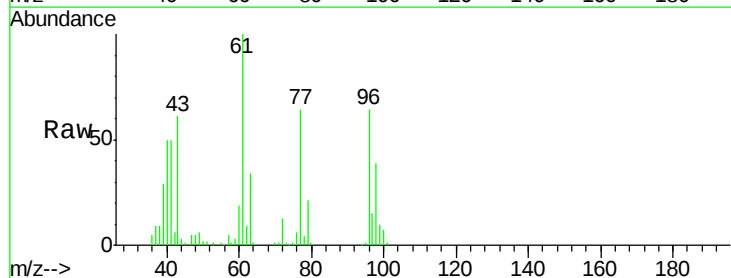
Acq: 23 Mar 2019 17:49

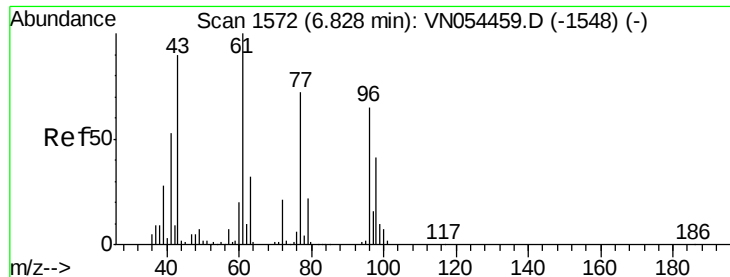
Tgt Ion: 77 Resp: 115719

Ion Ratio Lower Upper

77 100

97 22.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.990 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

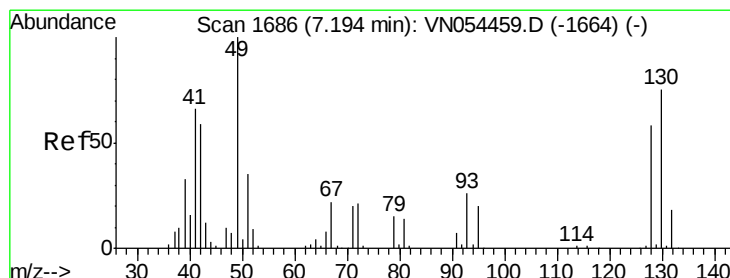
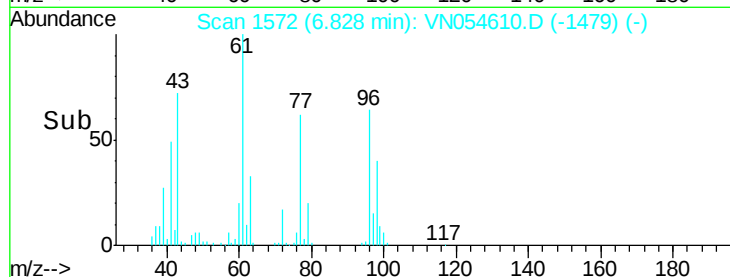
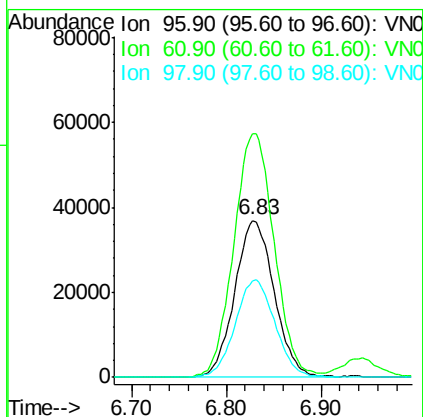
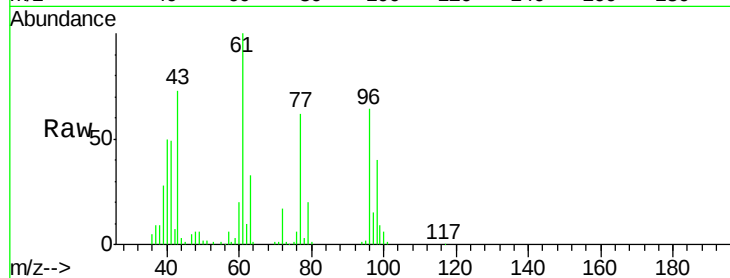
Tot Ion: 96 Resp: 107038

Ion Ratio Lower Upper

96 100

61 158.8 0.0 273.0

98 62.8 0.0 130.6



#28

Bromochloromethane

Concen: 22.985 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

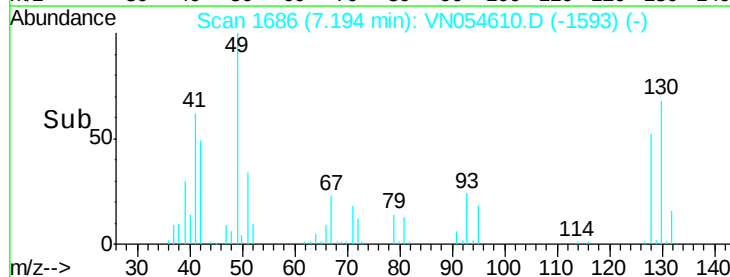
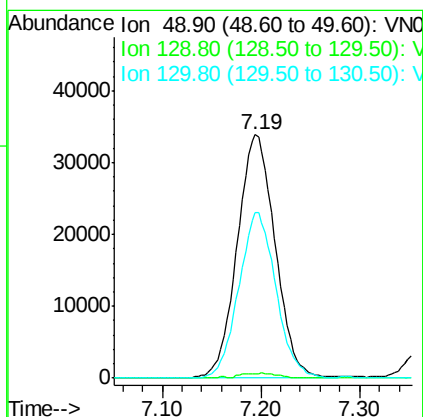
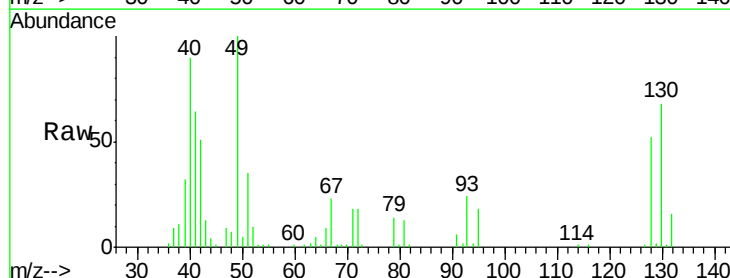
Tgt Ion: 49 Resp: 90427

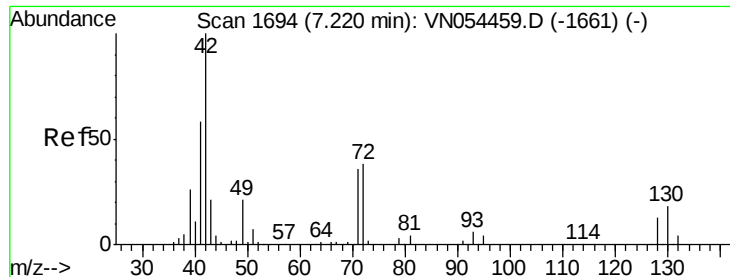
Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.6

130 66.3 76.7 115.1#

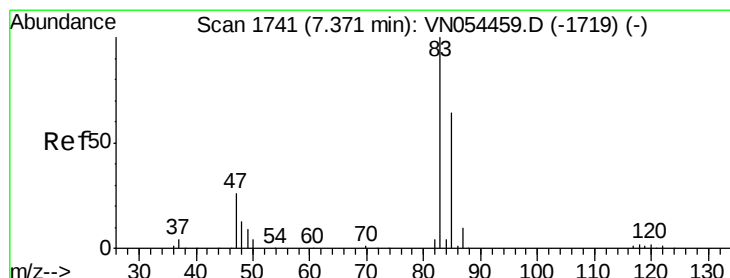
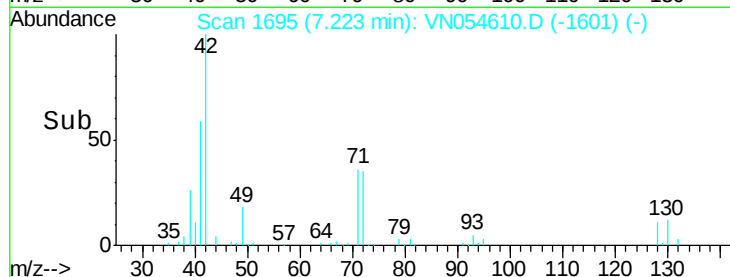
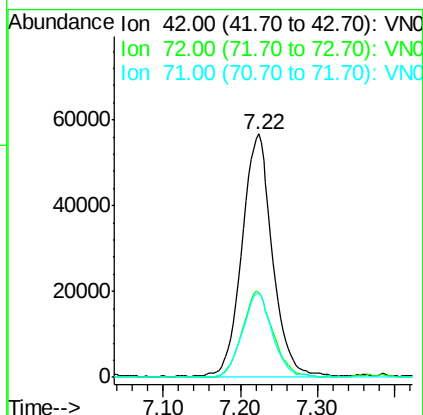
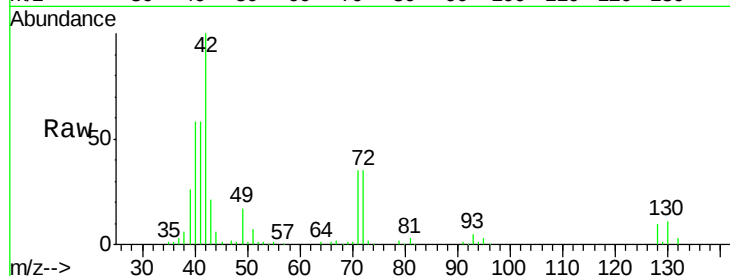




#29
Tetrahydrofuran
Concen: 119.929 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

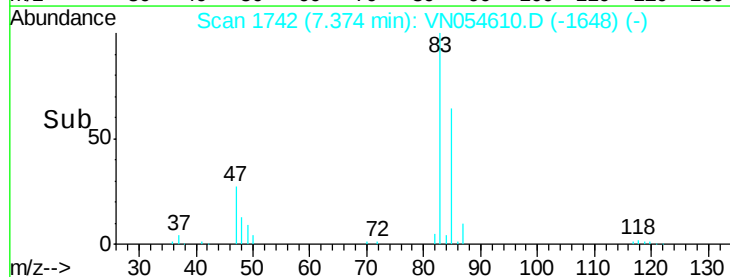
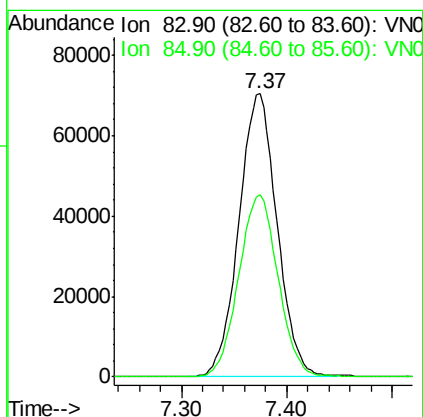
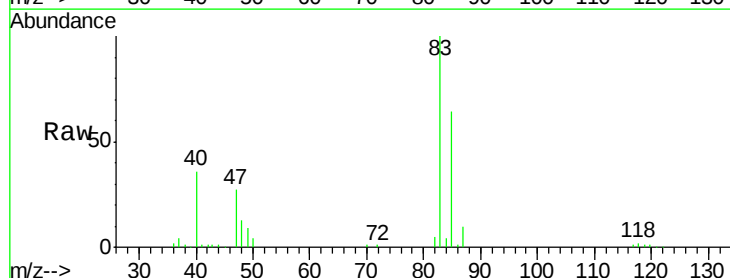
Instrument :
MSVOA_N
ClientSampled :
VN0323WBSD01

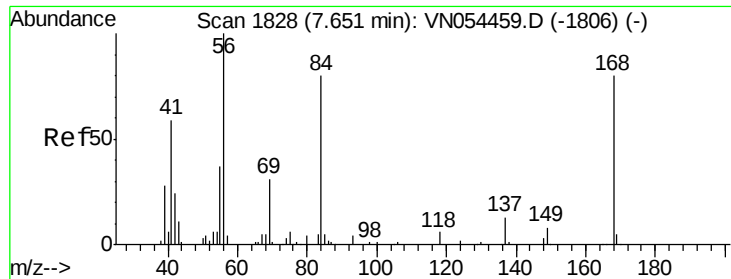
Tot Ion: 42 Resp: 154478
Ion Ratio Lower Upper
42 100
72 35.9 37.8 56.6#
71 34.4 36.2 54.2#



#30
Chloroform
Concen: 22.755 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion: 83 Resp: 177495
Ion Ratio Lower Upper
83 100
85 64.2 52.2 78.4

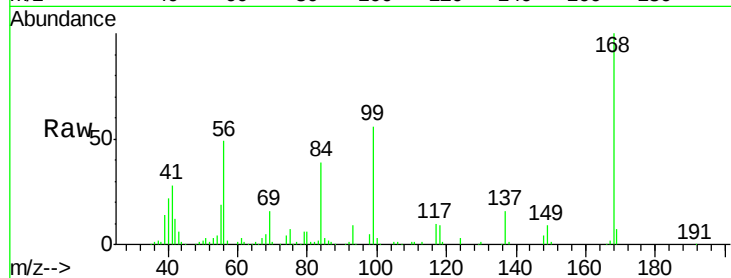




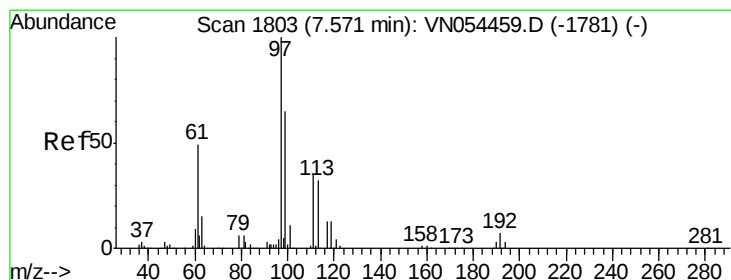
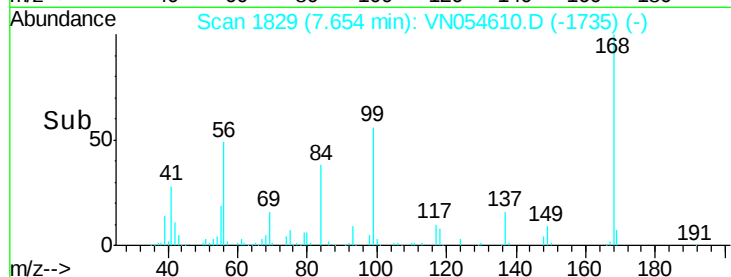
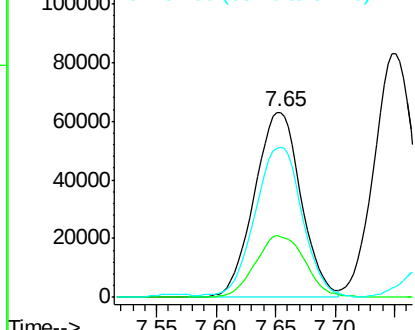
#31
Cyclohexane
Concen: 21.226 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion: 56 Resp: 170752
Ion Ratio Lower Upper
56 100
69 32.9 27.8 41.6
84 79.4 74.6 111.8

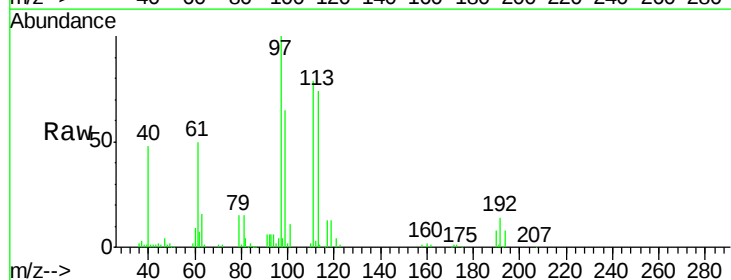


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

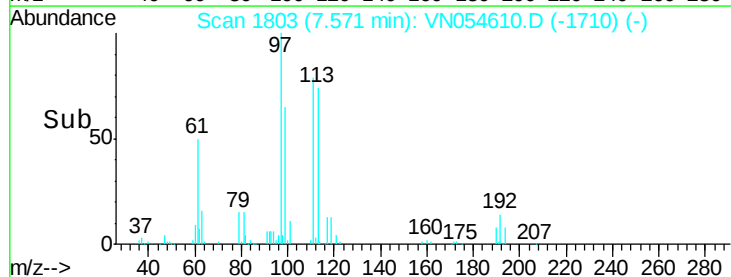
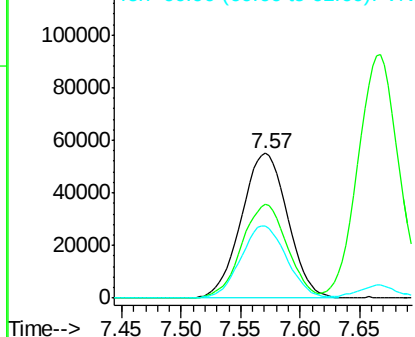


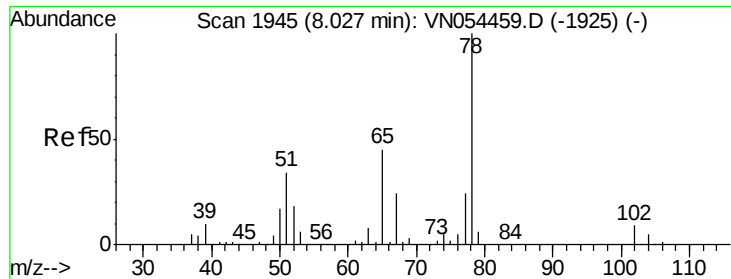
#32
1,1,1-Trichloroethane
Concen: 23.109 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion: 97 Resp: 148713
Ion Ratio Lower Upper
97 100
99 63.3 51.5 77.3
61 49.3 33.6 50.4



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

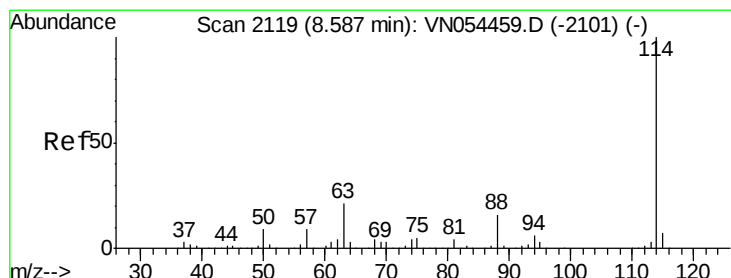
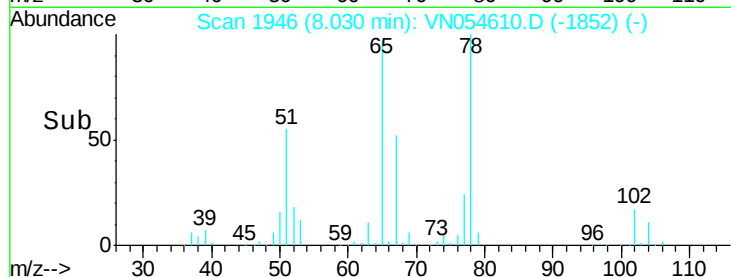
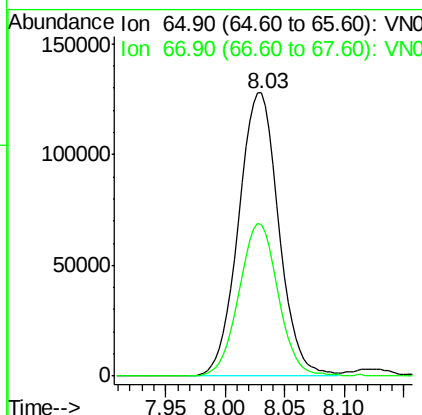
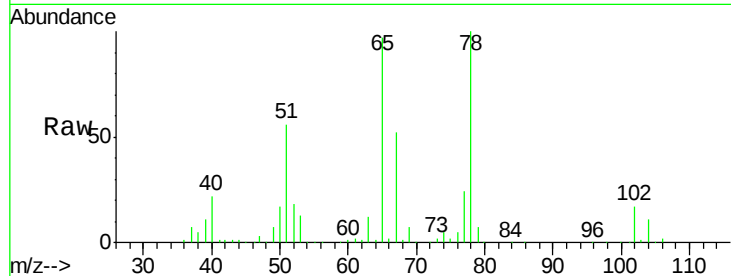




#33
 1,2-Dichloroethane-d4
 Concen: 58.159 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

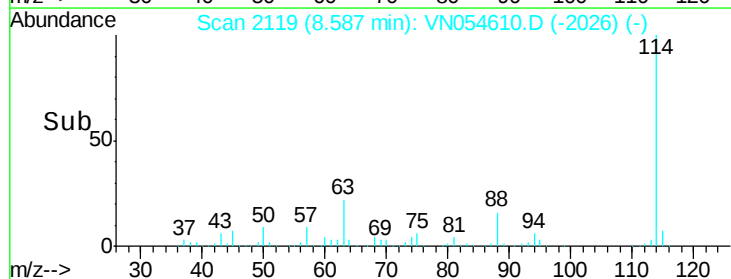
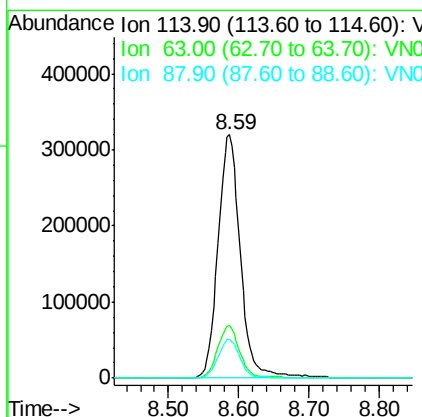
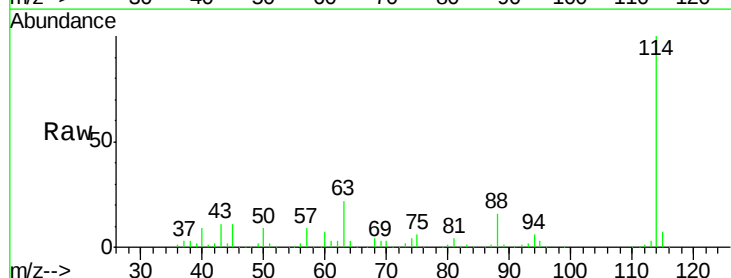
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

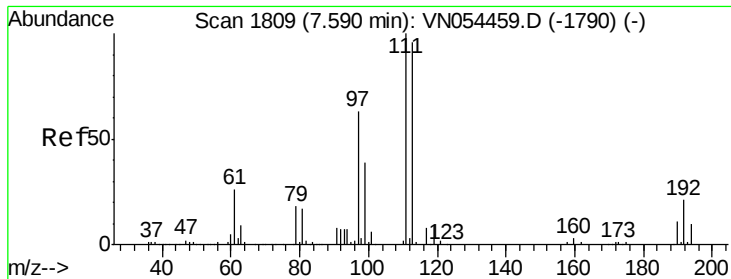
Tot Ion: 65 Resp: 299742
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion: 114 Resp: 707619
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 35.2
 88 15.9 0.0 30.2

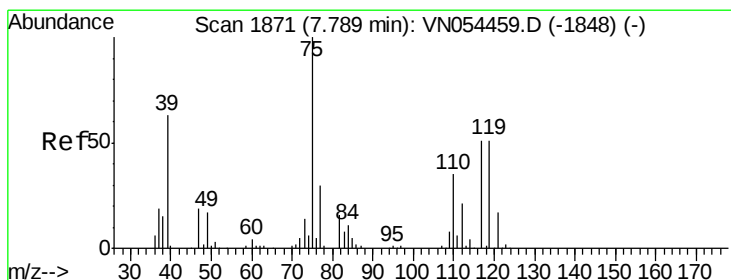
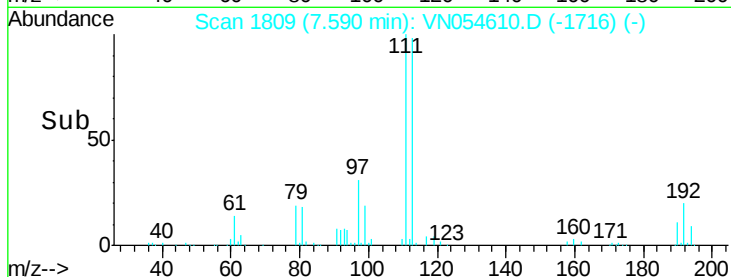
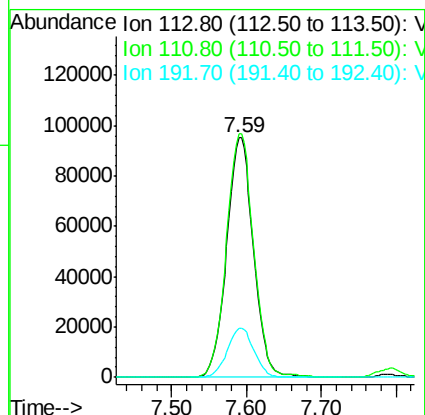
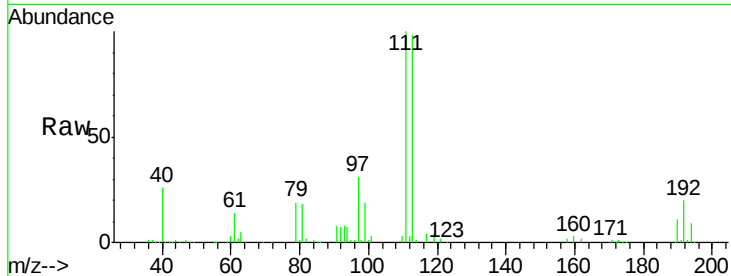




#35
 Dibromofluoromethane
 Concen: 51.744 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

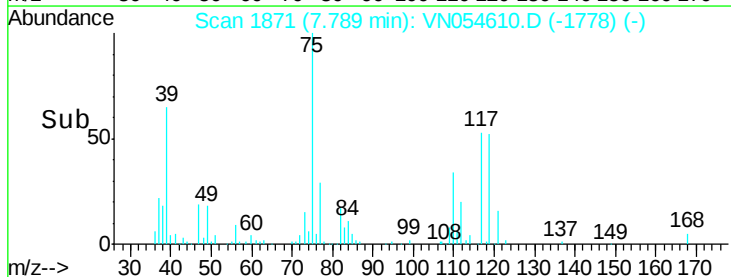
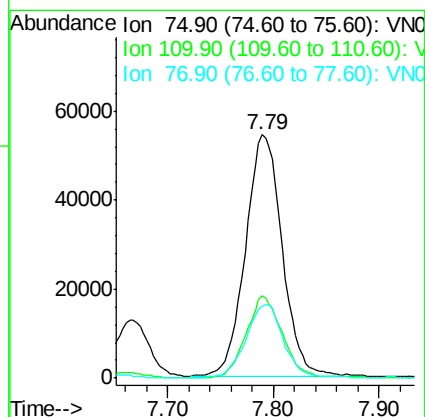
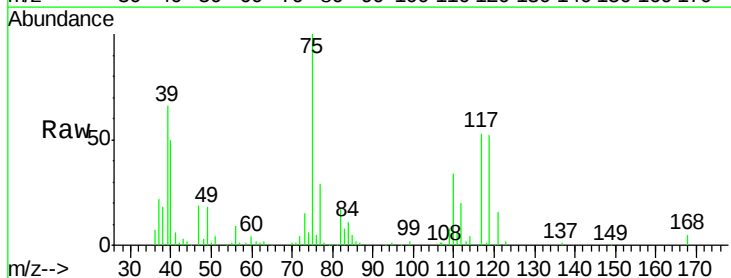
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

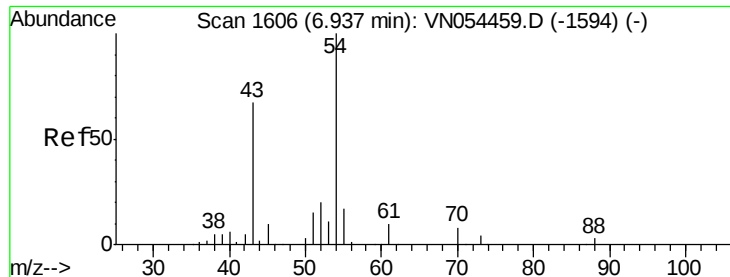
Tot Ion:113 Resp: 235894
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.4
 192 20.6 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 19.873 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion: 75 Resp: 131484
 Ion Ratio Lower Upper
 75 100
 110 33.5 19.1 57.5
 77 31.0 25.0 37.4

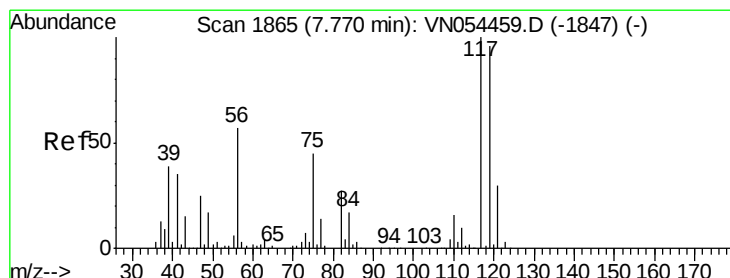
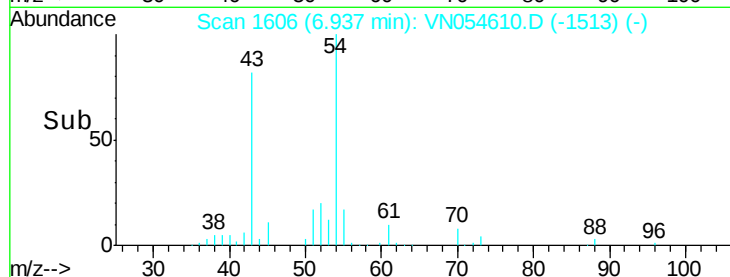
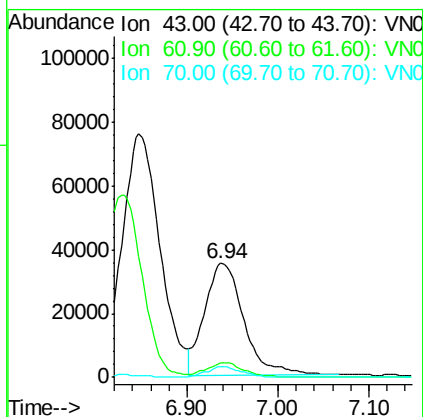
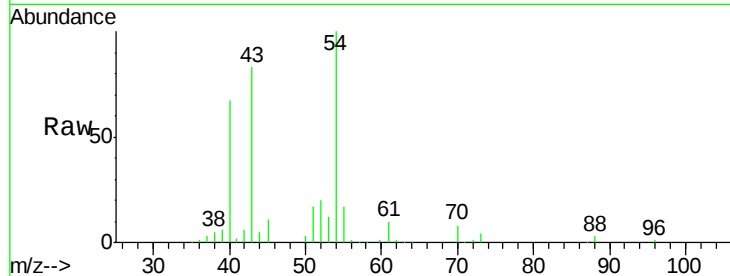




#37
Ethyl Acetate
Concen: 22.363 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

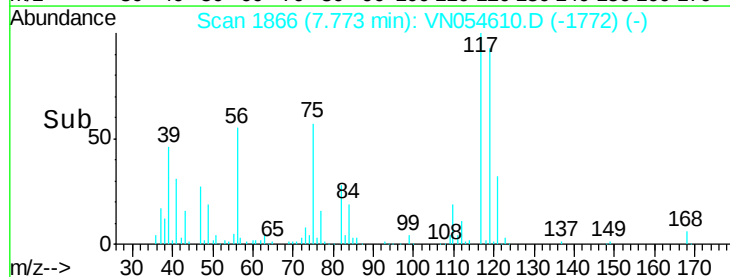
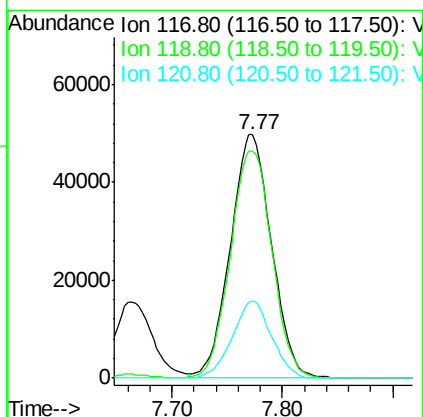
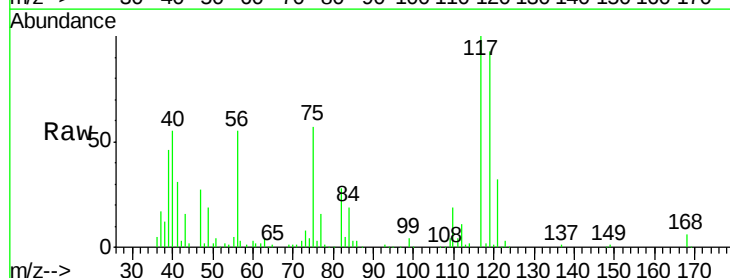
Instrument :
MSVOA_N
ClientSampled :
VN0323WBSD01

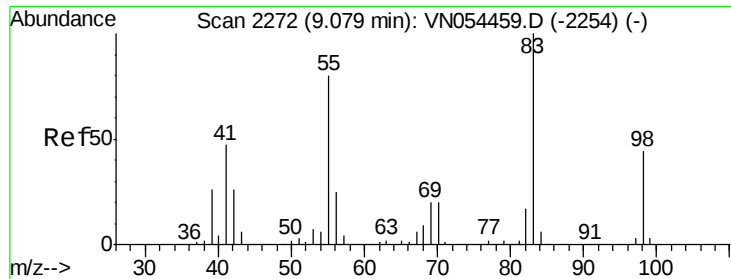
Tot Ion: 43 Resp: 105236
Ion Ratio Lower Upper
43 100
61 11.3 11.8 17.6#
70 8.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.012 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion: 117 Resp: 128669
Ion Ratio Lower Upper
117 100
119 93.1 76.3 114.5
121 31.7 24.6 36.8

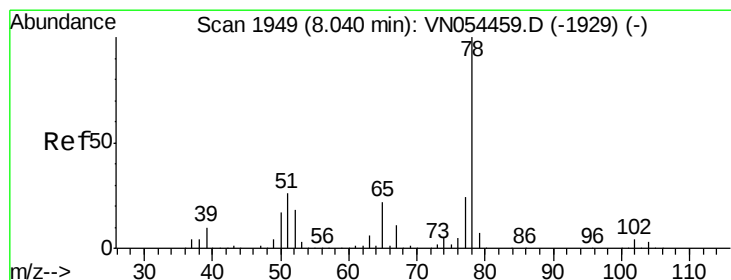
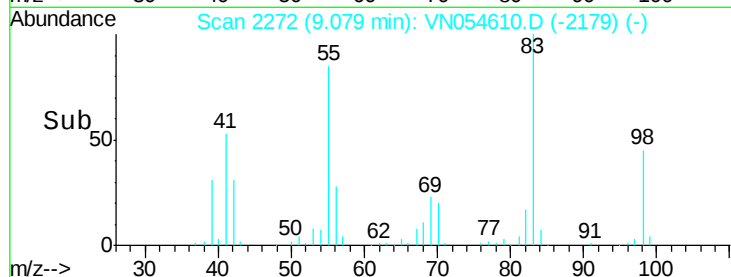
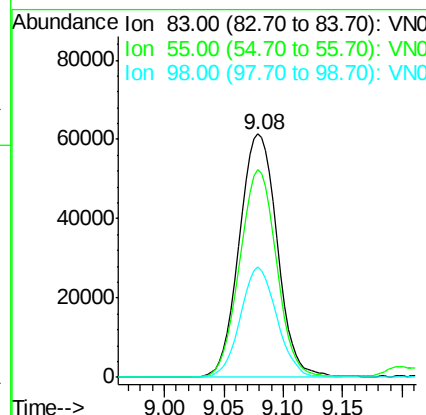
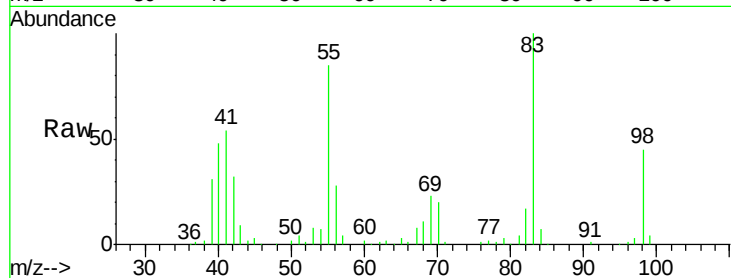




#39
Methvlcvclohexane
Concen: 17.974 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

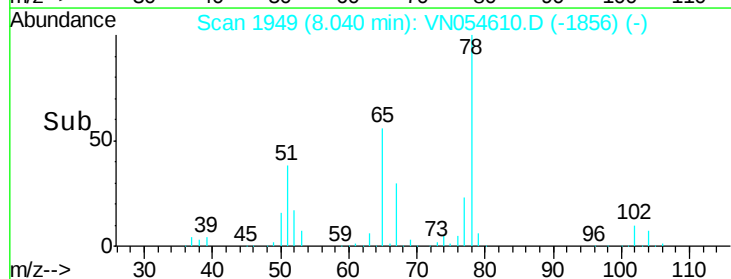
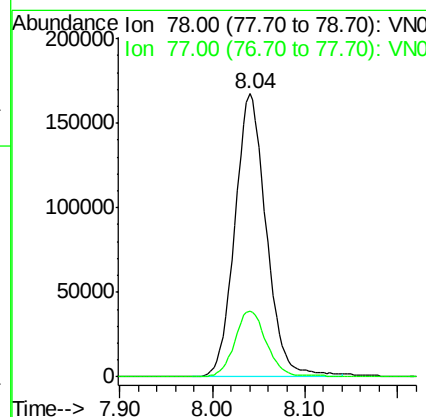
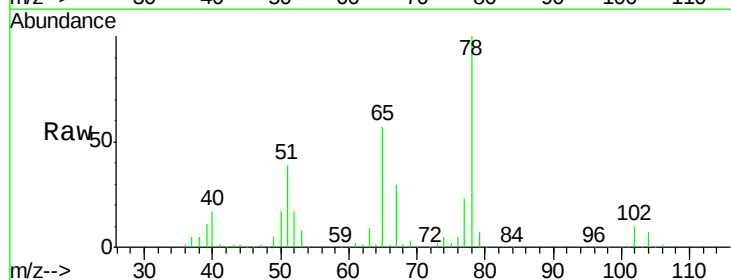
Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

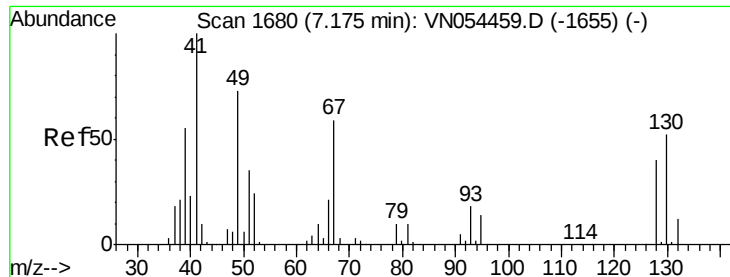
Tot Ion: 83 Resp: 136034
Ion Ratio Lower Upper
83 100
55 85.2 56.6 84.8#
98 45.2 38.4 57.6



#40
Benzene
Concen: 20.853 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion: 78 Resp: 394524
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7

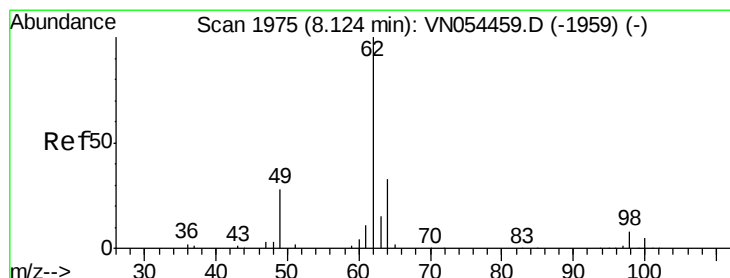
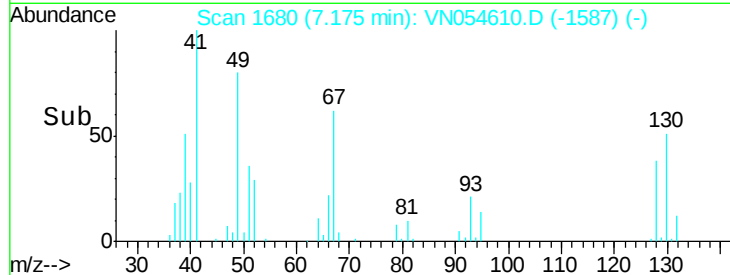
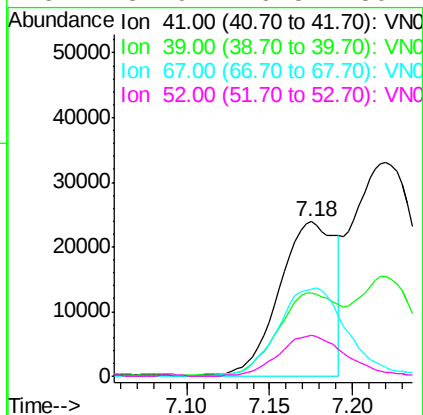
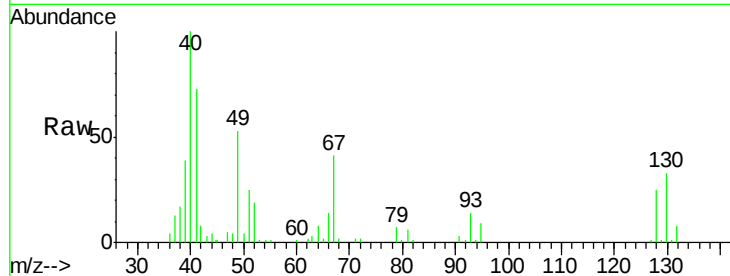




#41
Methacrylonitrile
Concen: 19.526 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

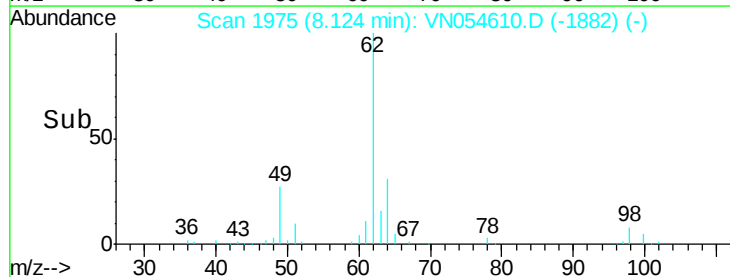
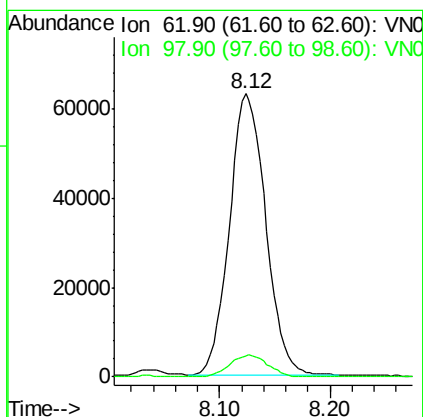
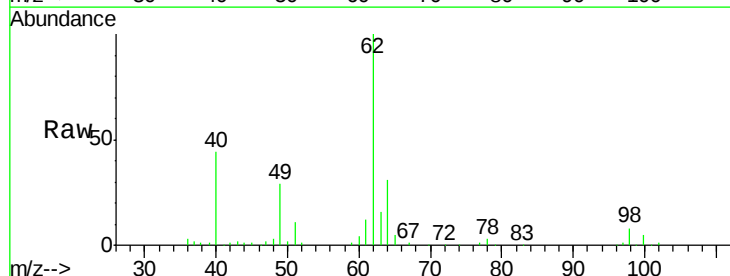
Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

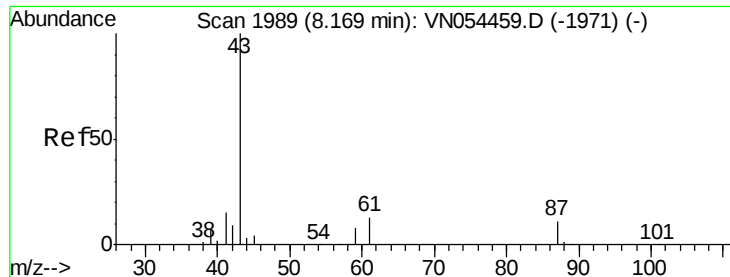
Tot Ion:	41	Resp:	56035
Ion	Ratio	Lower	Upper
41	100		
39	59.4	46.8	70.2
67	70.6	67.0	100.4
52	31.9	26.5	39.7



#42
1,2-Dichloroethane
Concen: 20.896 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion:	62	Resp:	143979
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.4





#43

Isopropyl Acetate

Concen: 24.407 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

VN0323WBSD01

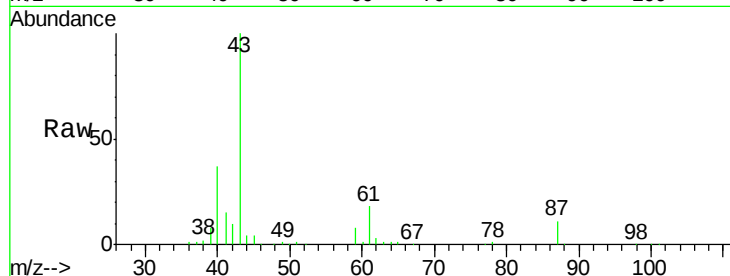
Tot Ion: 43 Resp: 193971

Ion Ratio Lower Upper

43 100

61 15.8 15.8 23.8#

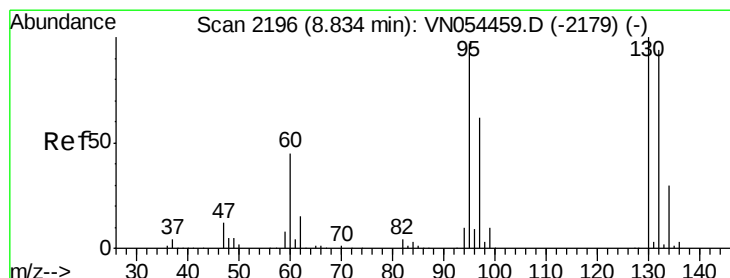
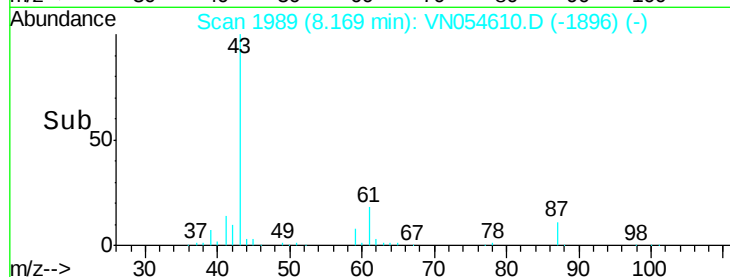
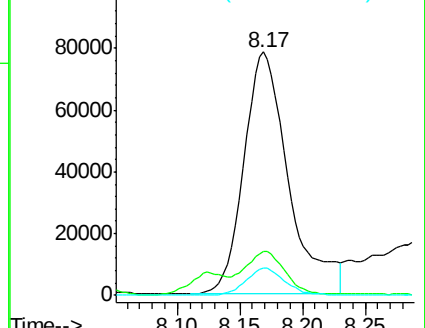
87 9.9 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 19.462 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054610.D

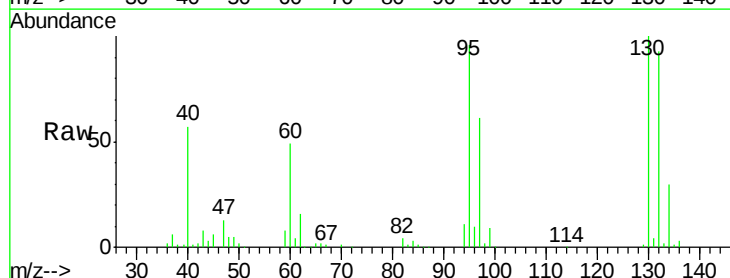
Acq: 23 Mar 2019 17:49

Tgt Ion:130 Resp: 102372

Ion Ratio Lower Upper

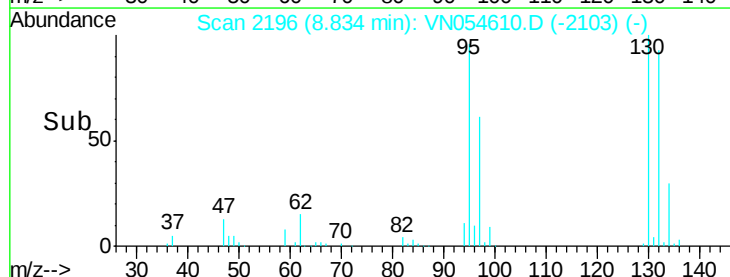
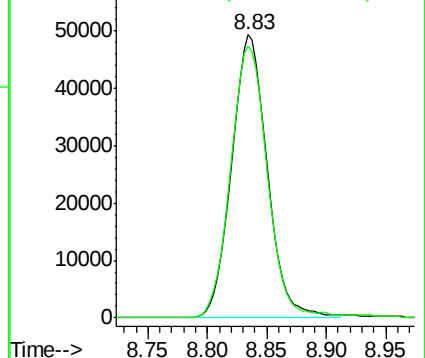
130 100

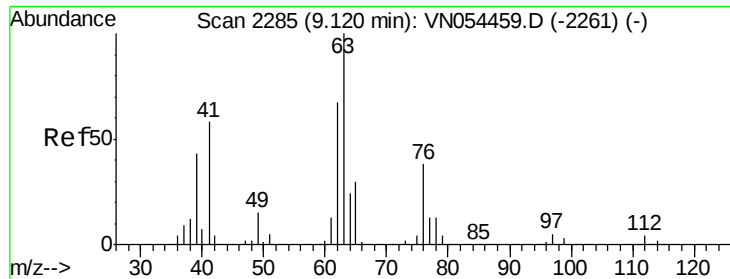
95 96.2 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)

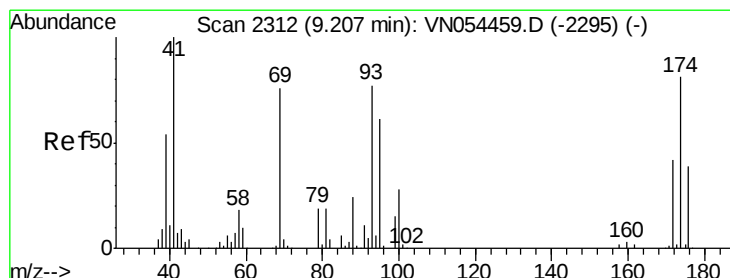
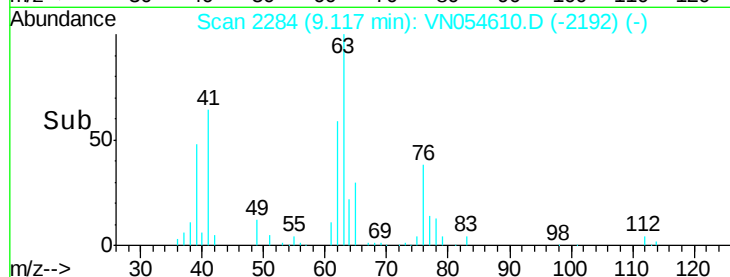
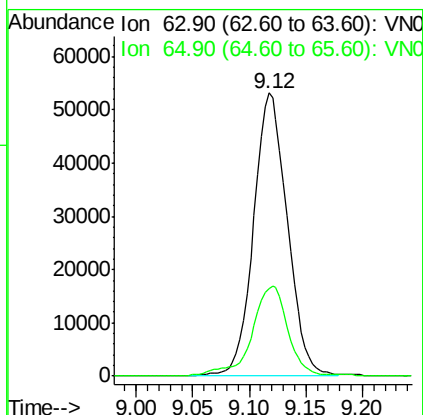
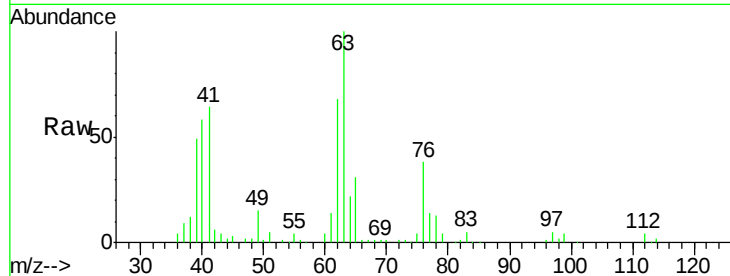




#45
 1,2-Dichloropropane
 Concen: 21.716 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

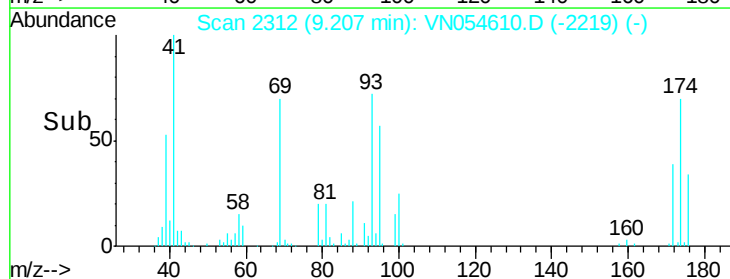
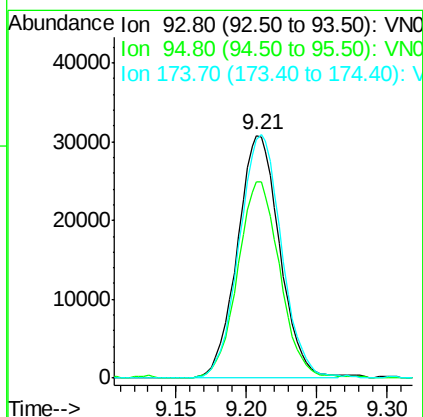
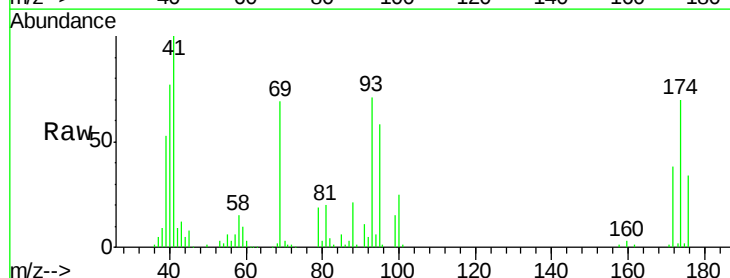
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

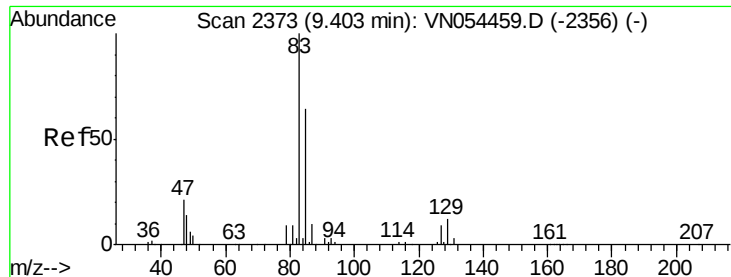
Tot Ion: 63 Resp: 110323
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6



#46
 Dibromomethane
 Concen: 21.309 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion: 93 Resp: 64583
 Ion Ratio Lower Upper
 93 100
 95 80.4 66.7 100.1
 174 100.7 98.5 147.7

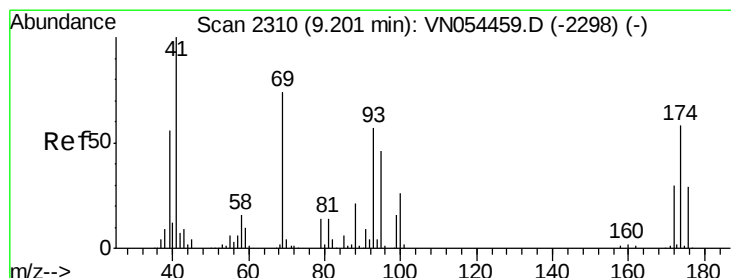
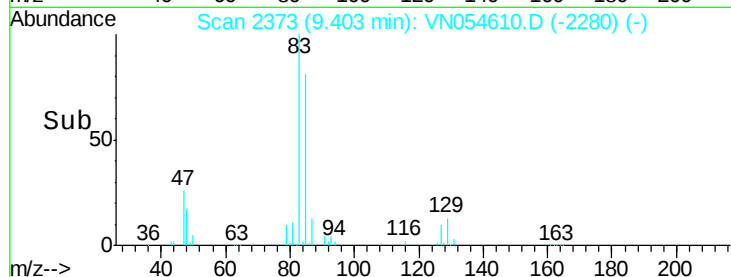
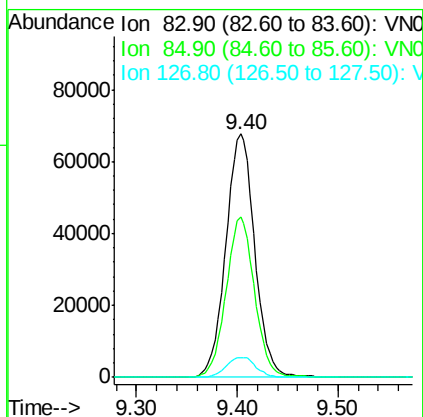
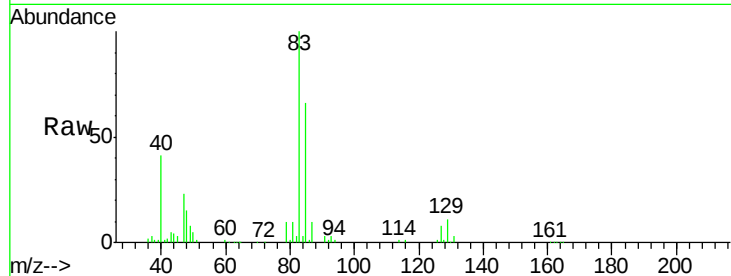




#47
Bromodichloromethane
Concen: 21.535 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

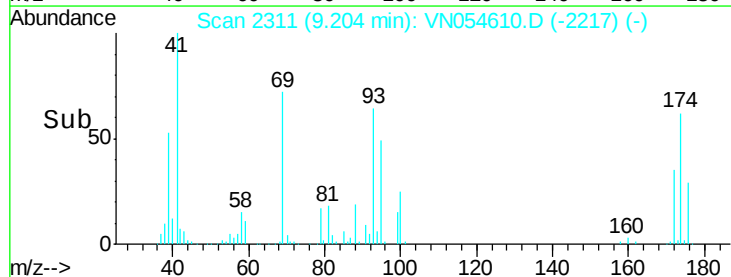
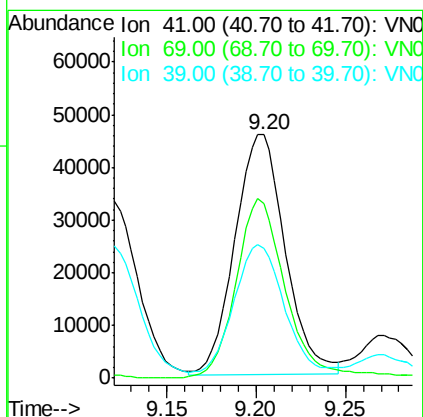
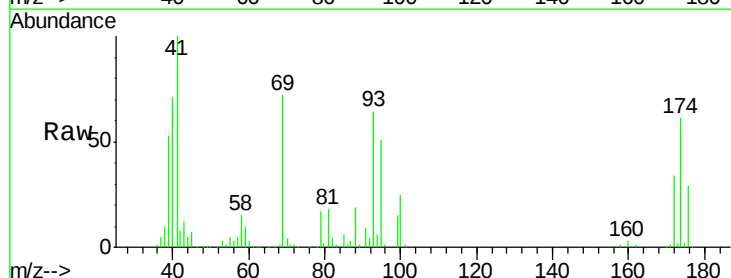
Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

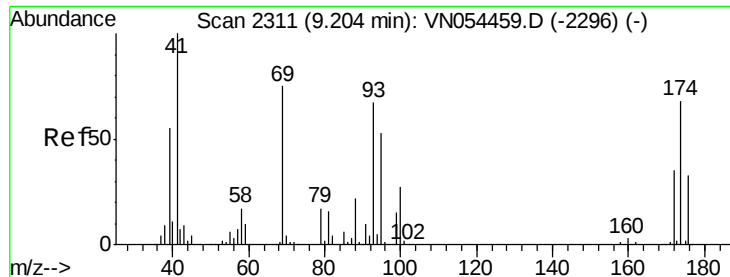
Tot Ion: 83 Resp: 135456
Ion Ratio Lower Upper
83 100
85 66.0 52.8 79.2
127 8.3 7.4 11.2



#48
Methyl methacrylate
Concen: 20.842 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion: 41 Resp: 89903
Ion Ratio Lower Upper
41 100
69 74.2 72.6 108.8
39 53.8 47.5 71.3





#49

1,4-Dioxane

Concen: 396.868 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

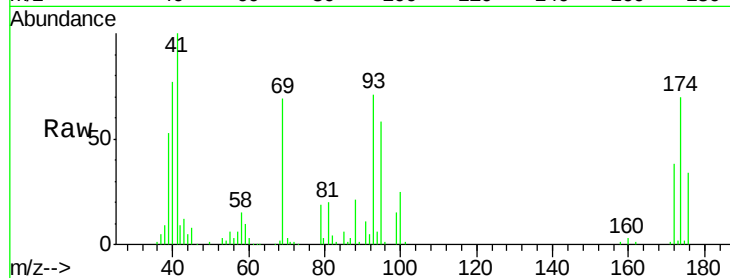
Tot Ion: 88 Resp: 19138

Ion Ratio Lower Upper

88 100

43 44.6 24.1 36.1#

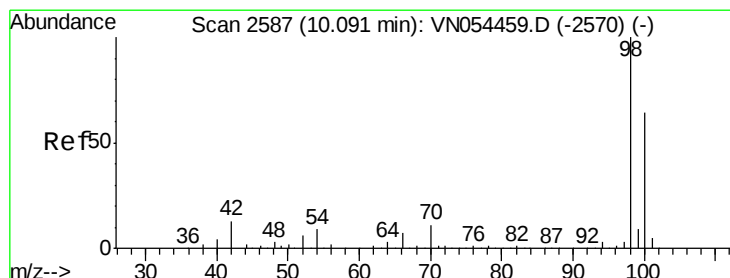
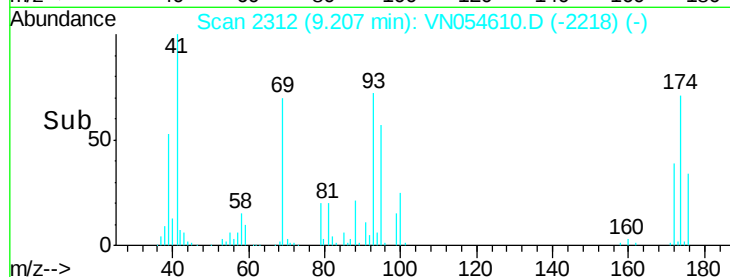
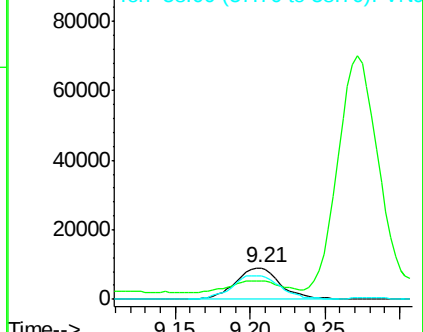
58 79.8 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)



#50

Toluene-d8

Concen: 50.288 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054610.D

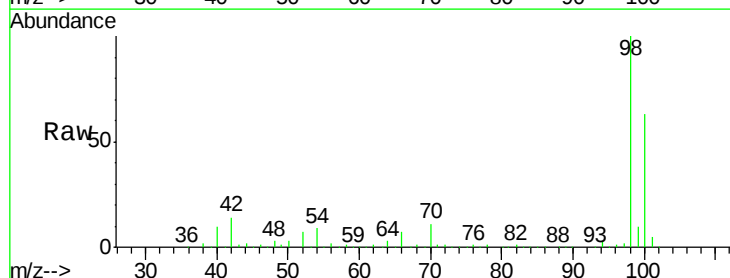
Acq: 23 Mar 2019 17:49

Tgt Ion: 98 Resp: 861861

Ion Ratio Lower Upper

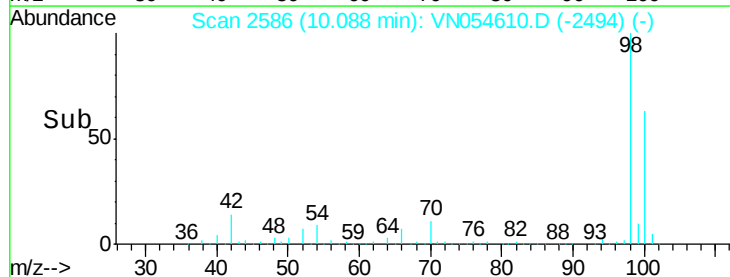
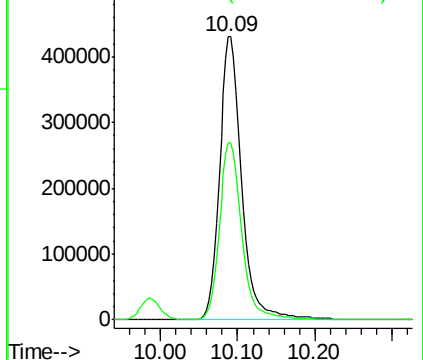
98 100

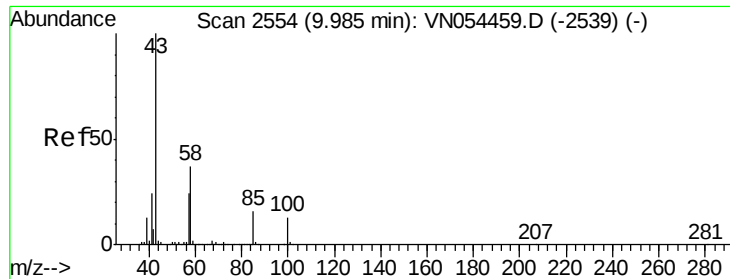
100 63.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 109.678 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

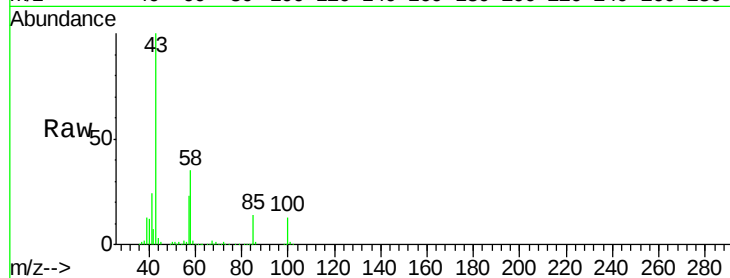
VN0323WBSD01

Tot Ion: 43 Resp: 483070

Ion Ratio Lower Upper

43 100

58 34.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

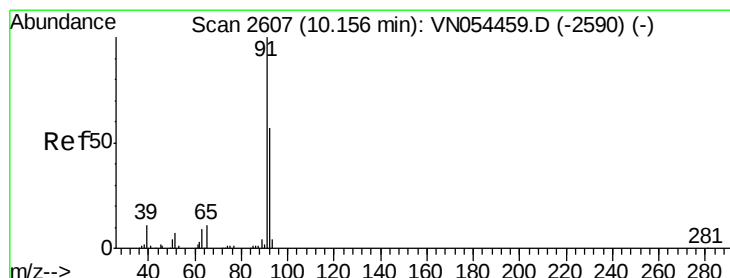
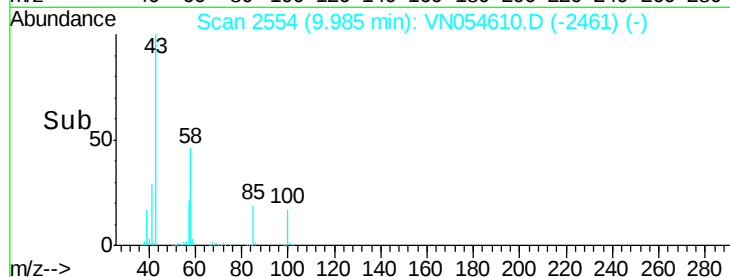
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.010 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054610.D

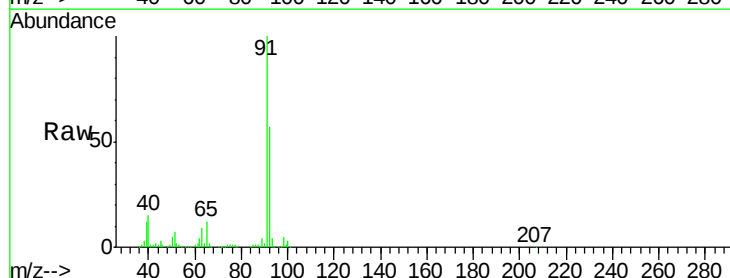
Acq: 23 Mar 2019 17:49

Tgt Ion: 92 Resp: 232848

Ion Ratio Lower Upper

92 100

91 177.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

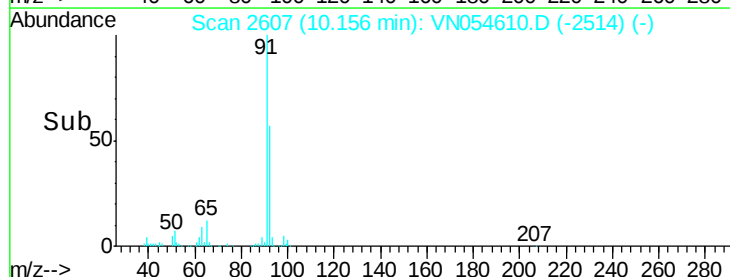
150000

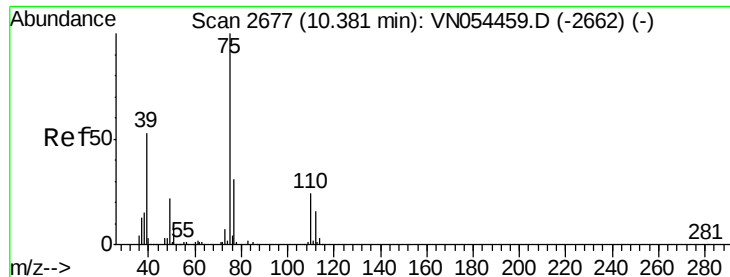
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.771 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

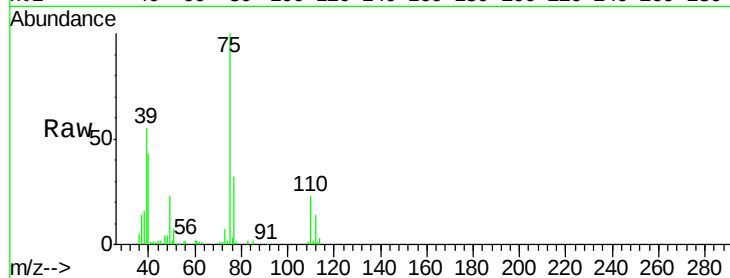
VN0323WBSD01

Tot Ion: 75 Resp: 121815

Ion Ratio Lower Upper

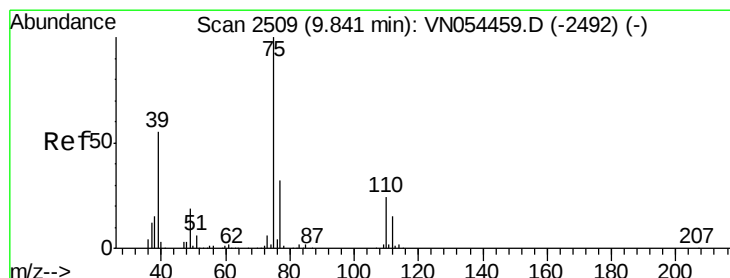
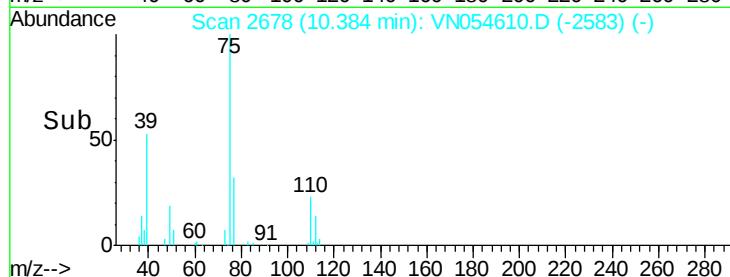
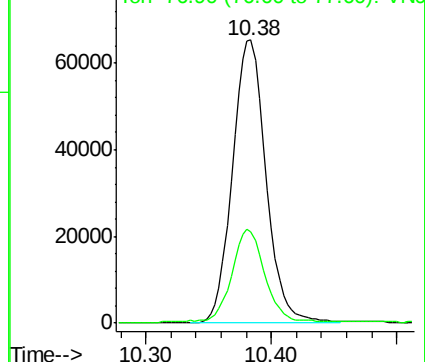
75 100

77 31.8 25.8 38.8



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: 21.121 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

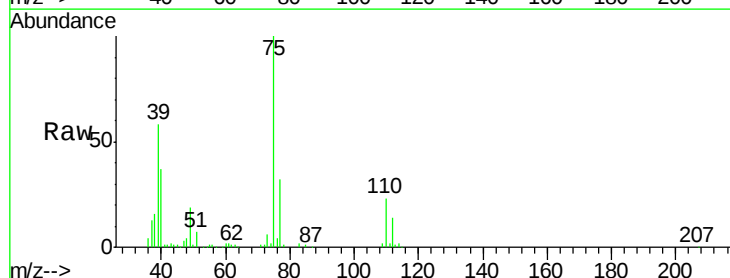
Tgt Ion: 75 Resp: 152329

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

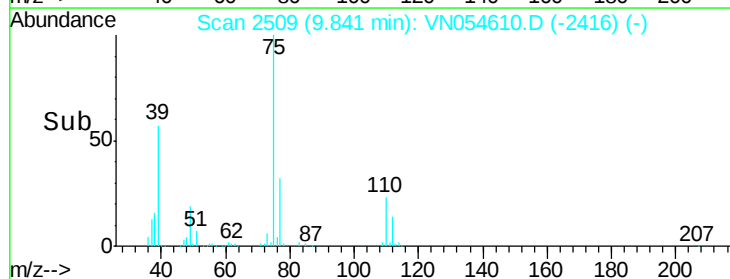
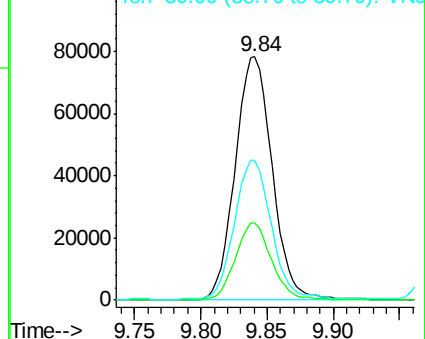
39 57.0 37.2 55.8#

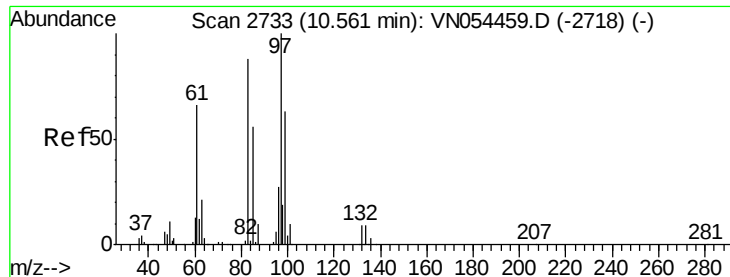


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 21.151 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

VN0323WBSD01

Tot Ion: 97 Resp: 88472

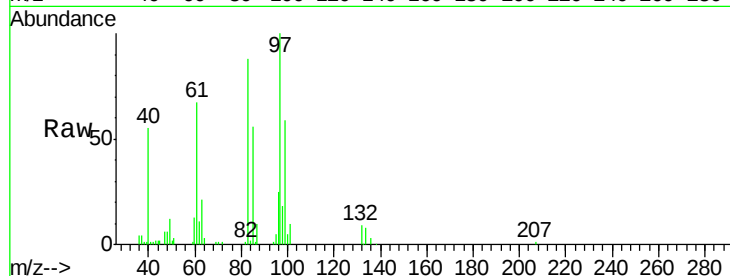
Ion Ratio Lower Upper

97 100

83 88.2 66.6 100.0

85 56.0 44.4 66.6

99 59.5 50.8 76.2

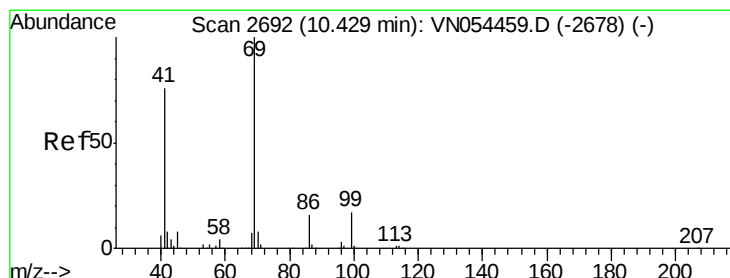
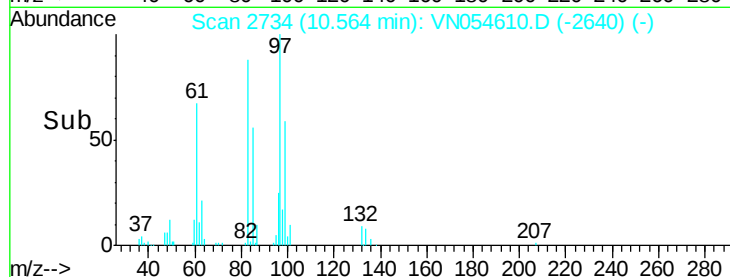
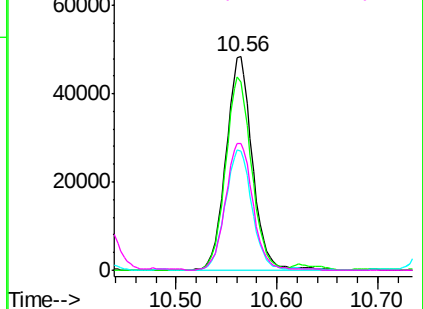


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.111 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

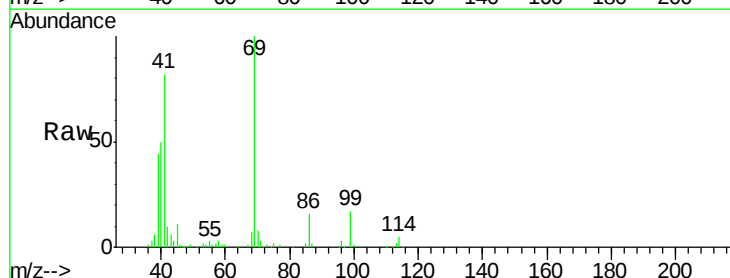
Tgt Ion: 69 Resp: 118521

Ion Ratio Lower Upper

69 100

41 77.5 49.4 74.2#

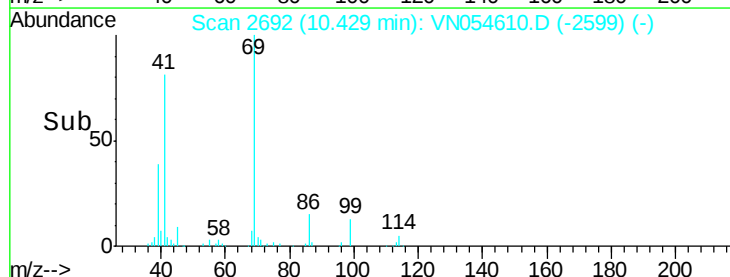
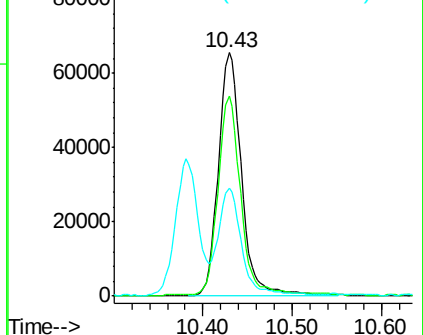
39 42.3 28.3 42.5

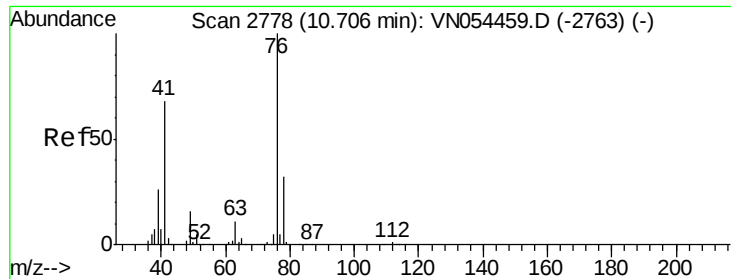


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.275 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

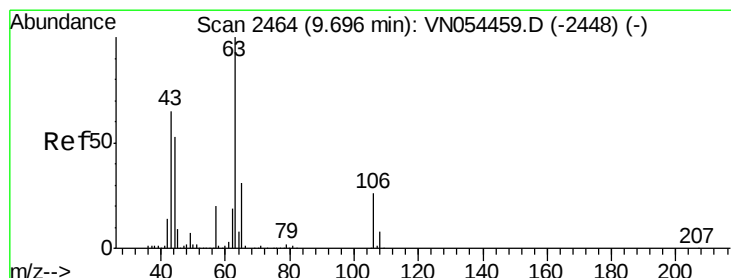
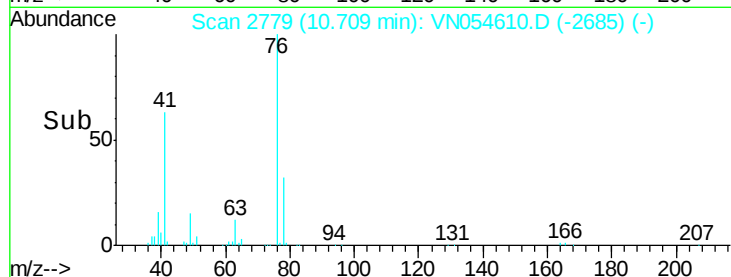
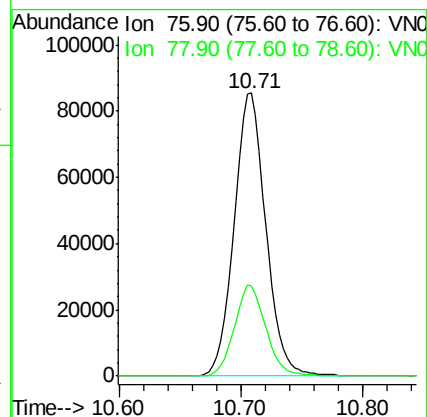
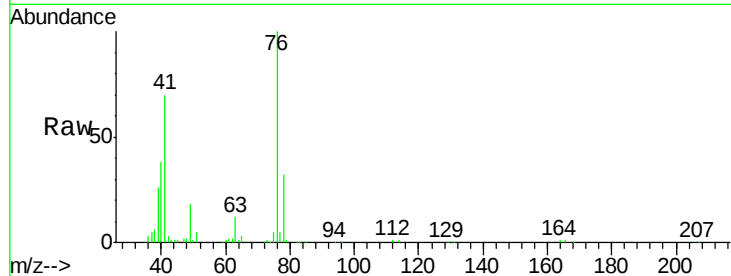
VN0323WBSD01

Tot Ion: 76 Resp: 154696

Ion Ratio Lower Upper

76 100

78 31.9 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 91.411 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054610.D

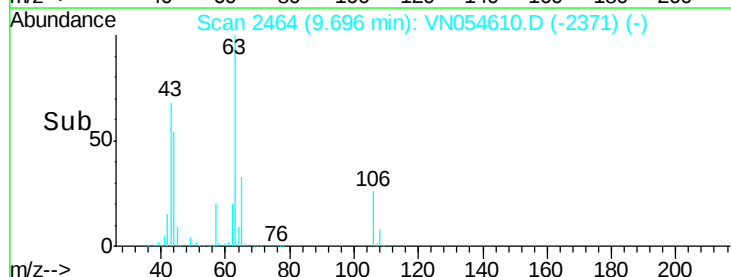
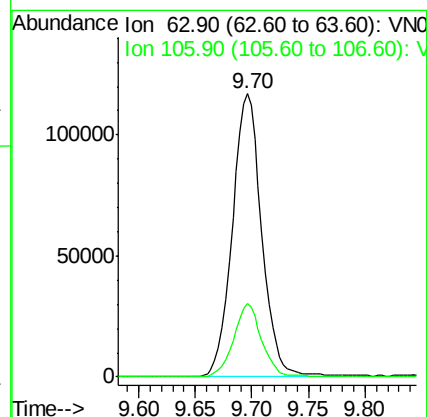
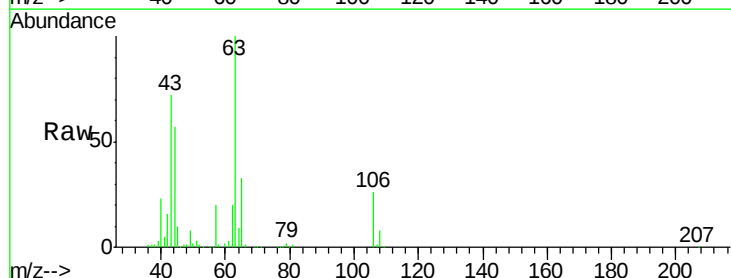
Acq: 23 Mar 2019 17:49

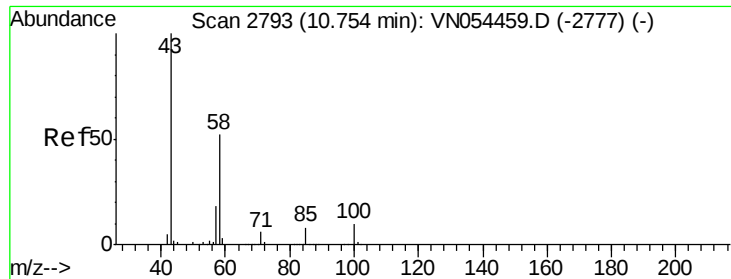
Tgt Ion: 63 Resp: 211327

Ion Ratio Lower Upper

63 100

106 24.6 24.4 36.6

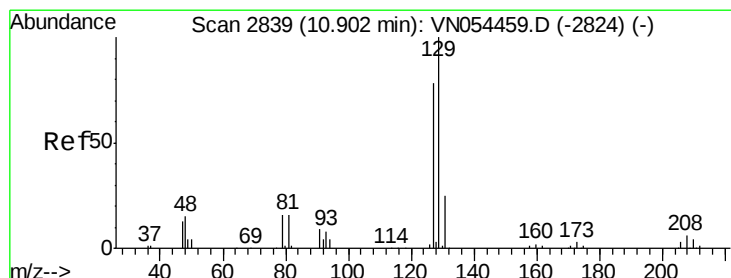
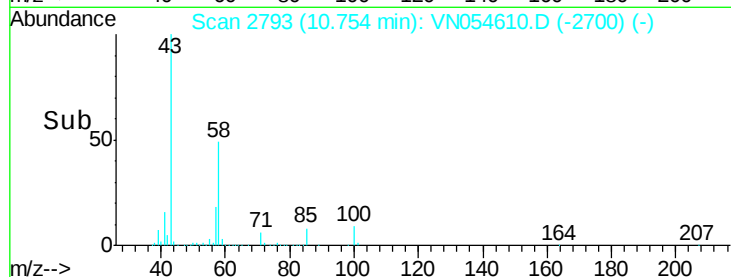
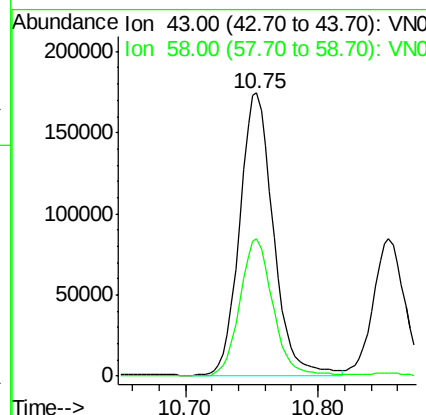
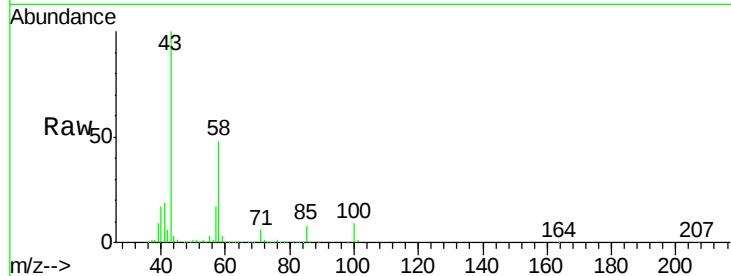




#59
2-Hexanone
Concen: 106.295 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

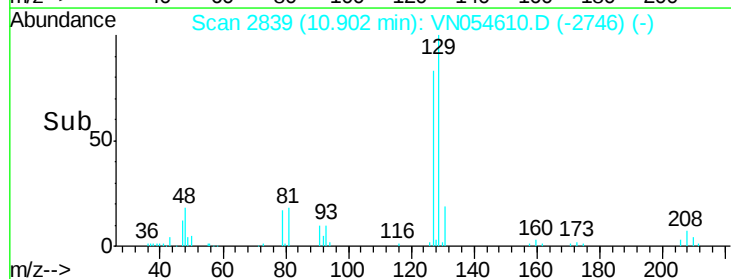
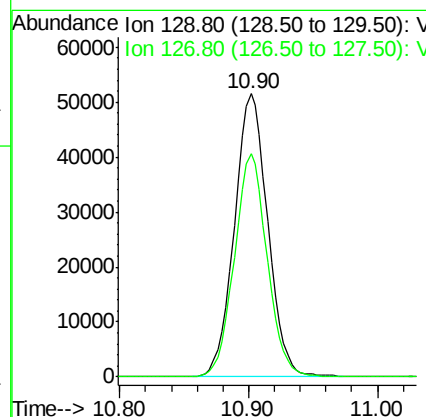
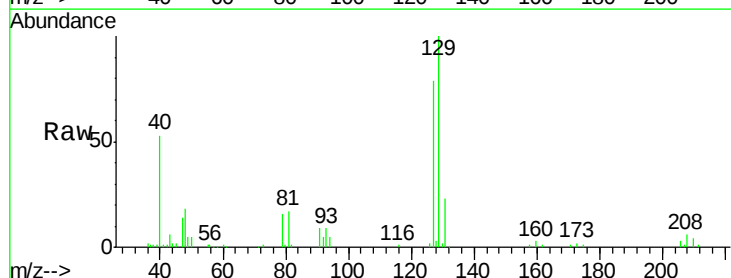
Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

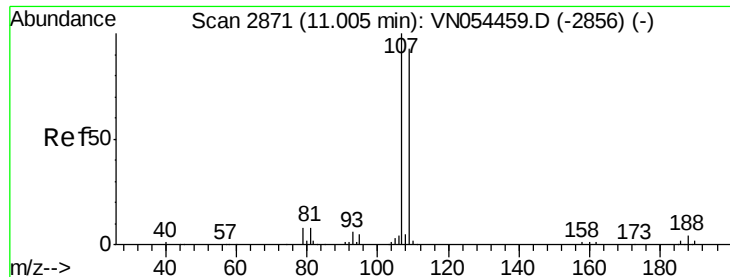
Tot Ion: 43 Resp: 305803
Ion Ratio Lower Upper
43 100
58 48.4 28.0 83.9



#60
Dibromochloromethane
Concen: 20.786 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion: 129 Resp: 92517
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.147 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

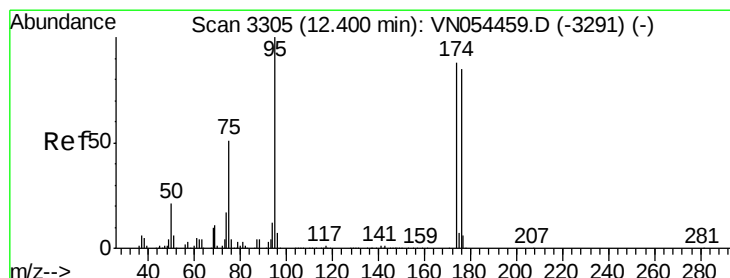
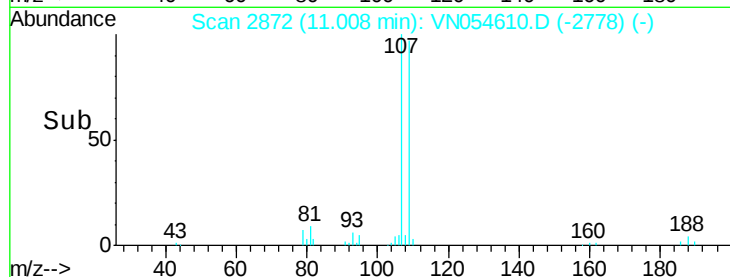
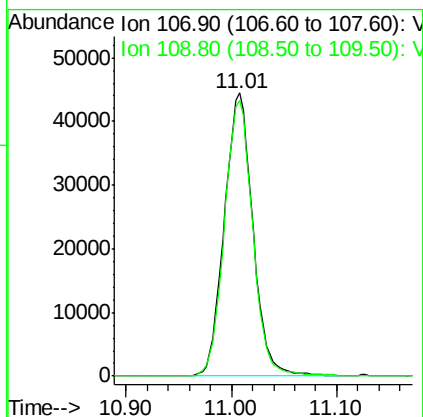
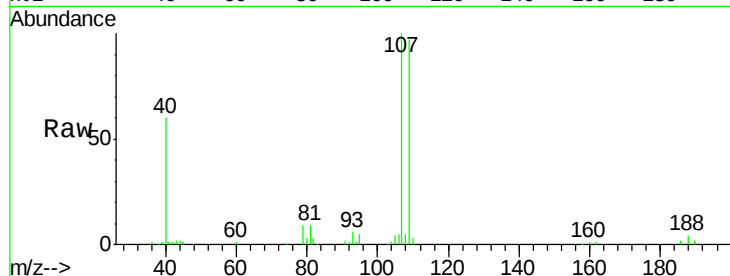
VN0323WBSD01

Tot Ion:107 Resp: 83313

Ion Ratio Lower Upper

107 100

109 96.7 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 48.692 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

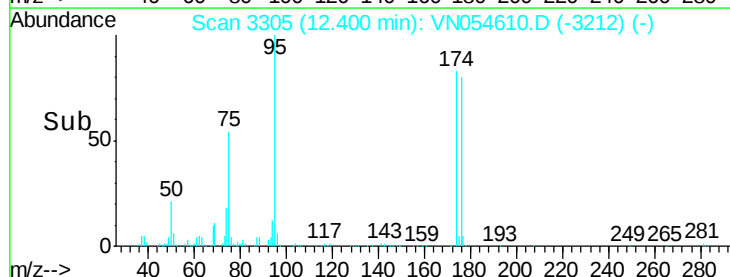
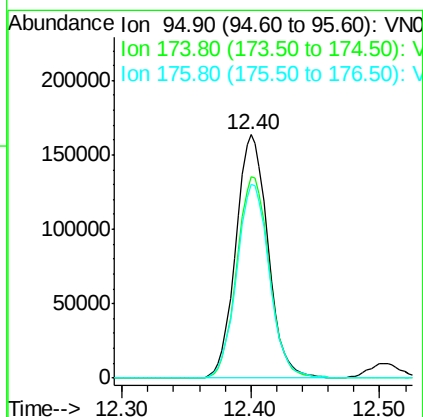
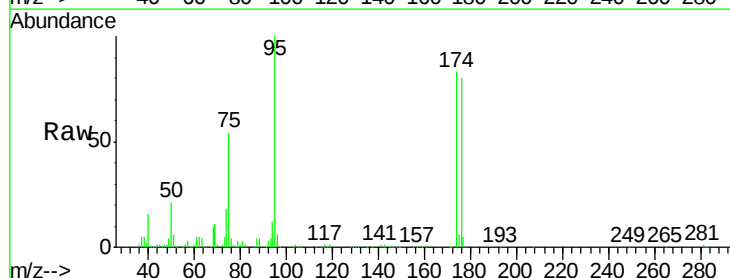
Tgt Ion: 95 Resp: 283966

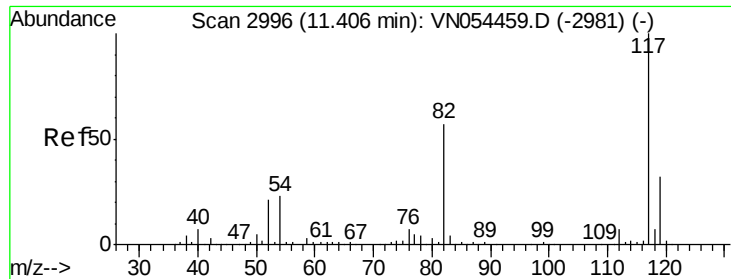
Ion Ratio Lower Upper

95 100

174 84.1 0.0 191.0

176 81.0 0.0 187.4

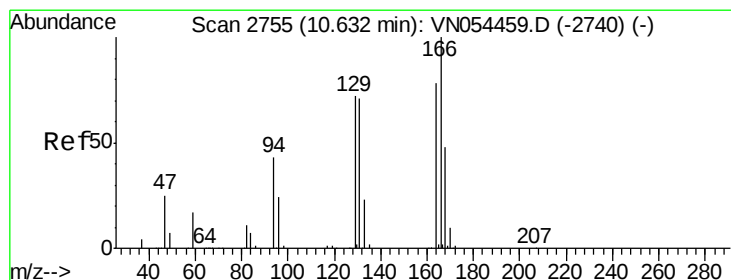
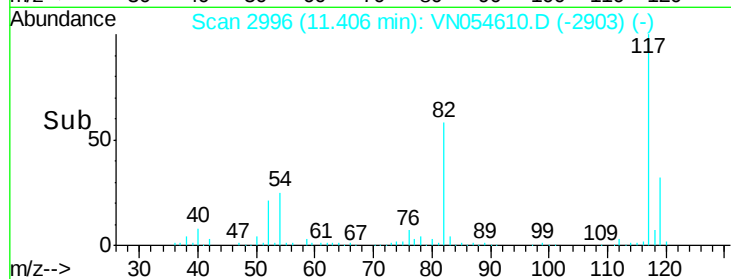
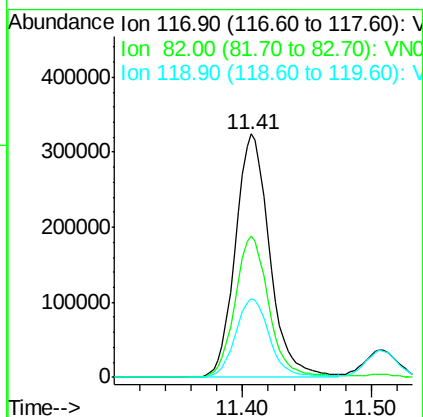
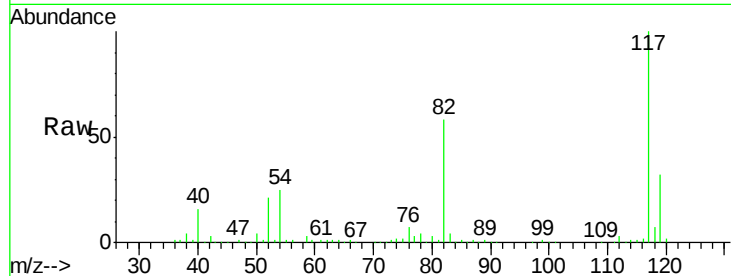




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

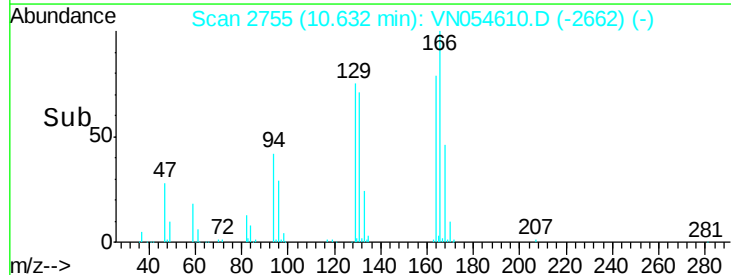
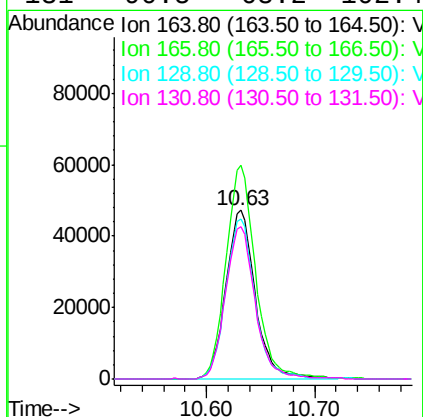
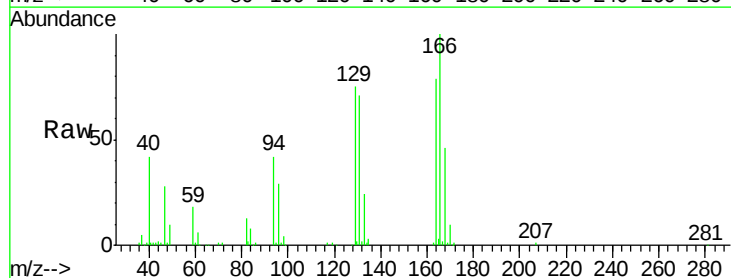
Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

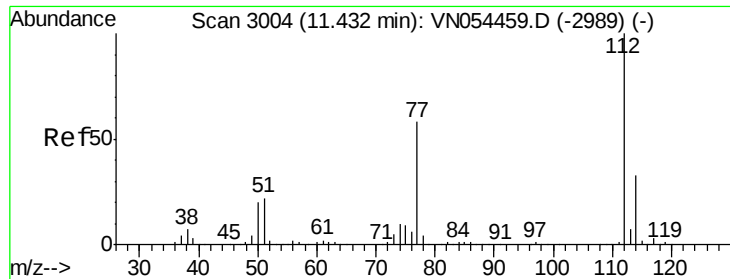
Tot Ion:117 Resp: 599149
Ion Ratio Lower Upper
117 100
82 58.0 40.0 60.0
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 18.087 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion:164 Resp: 89888
Ion Ratio Lower Upper
164 100
166 126.8 103.9 155.9
129 95.4 71.1 106.7
131 90.5 68.2 102.4

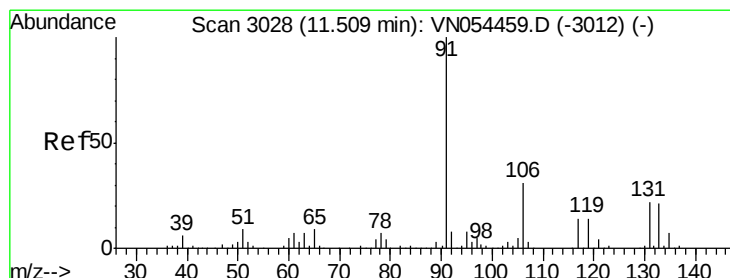
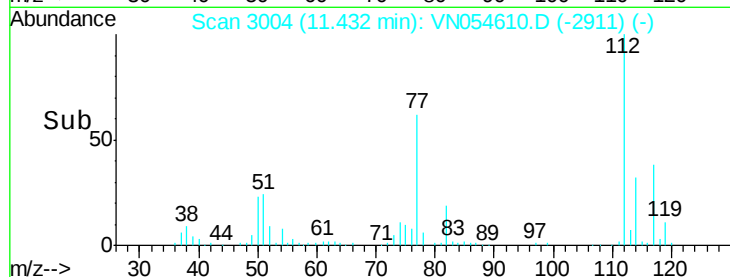
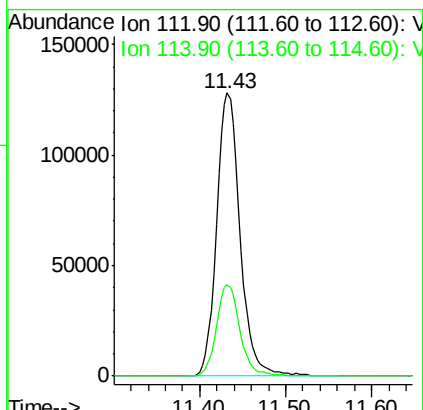
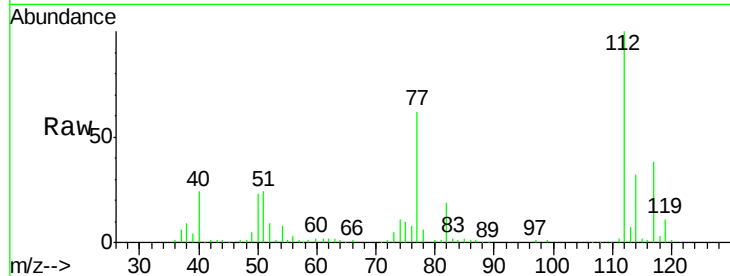




#65
Chlorobenzene
Concen: 19.937 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

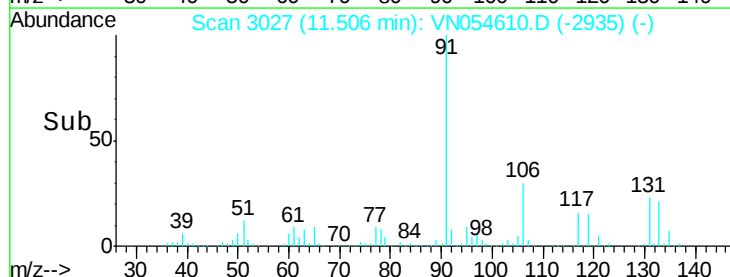
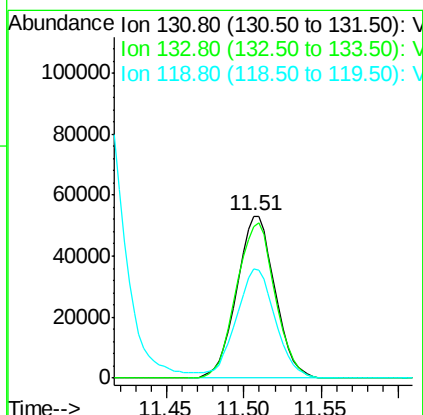
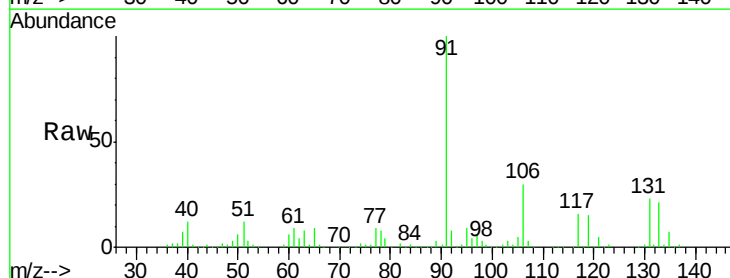
Instrument :
MSVOA_N
ClientSampled :
VN0323WBSD01

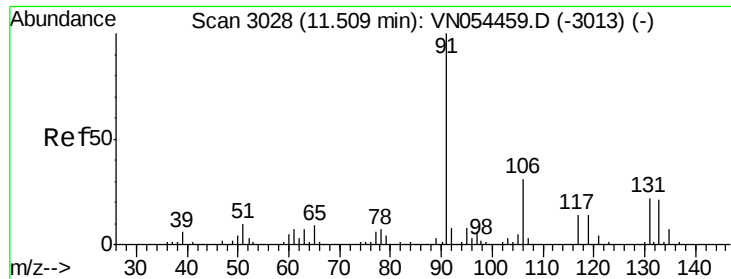
Tot Ion:112 Resp: 242956
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.862 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion:131 Resp: 91250
Ion Ratio Lower Upper
131 100
133 97.1 47.6 142.9
119 69.3 32.4 97.0

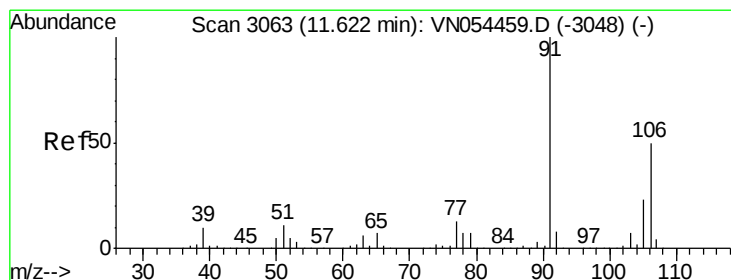
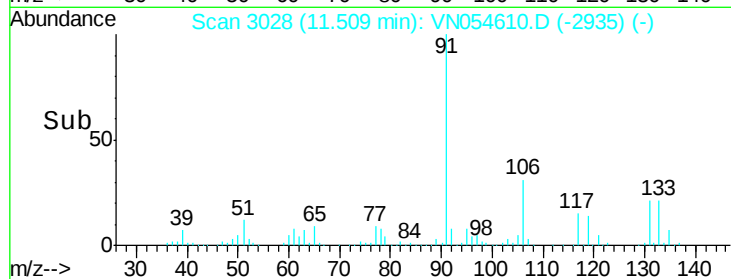
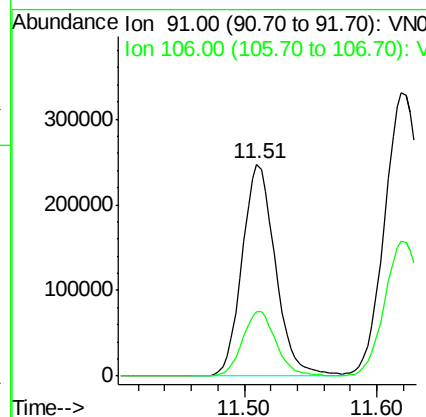
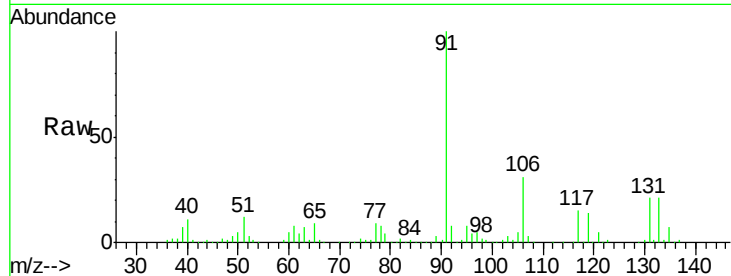




#67
Ethyl Benzene
Concen: 20.132 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

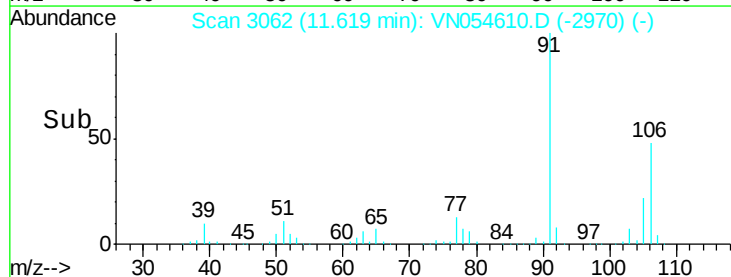
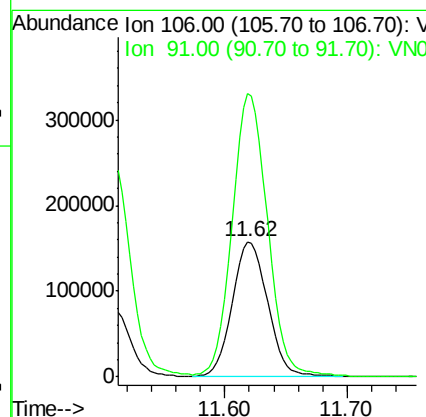
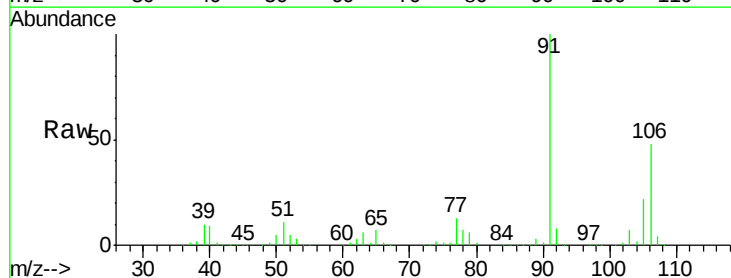
Instrument :
MSVOA_N
ClientSampled :
VN0323WBSD01

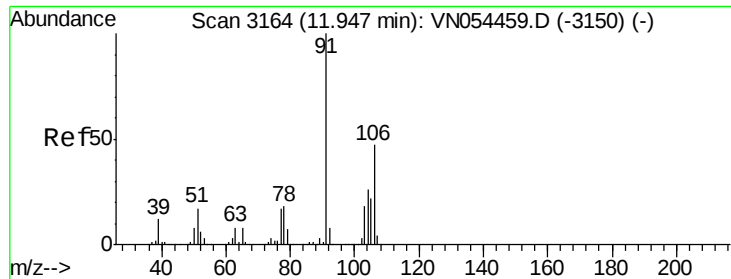
Tot Ion: 91 Resp: 433362
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3



#68
m/p-Xylenes
Concen: 38.693 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion: 106 Resp: 315478
Ion Ratio Lower Upper
106 100
91 211.6 159.4 239.2

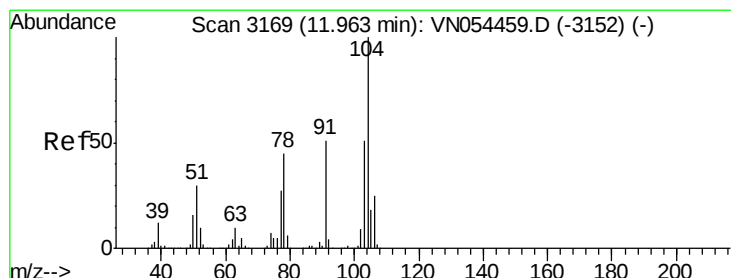
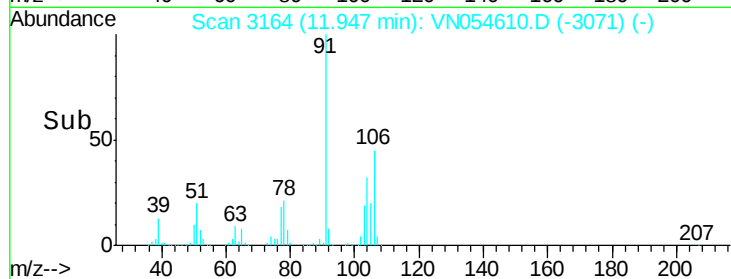
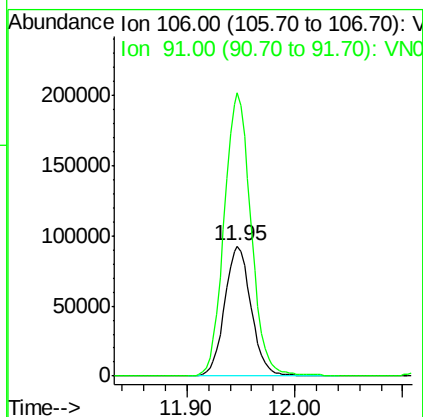
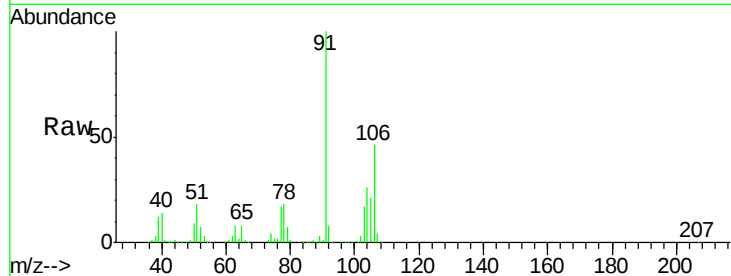




#69
o-Xylene
Concen: 19.945 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

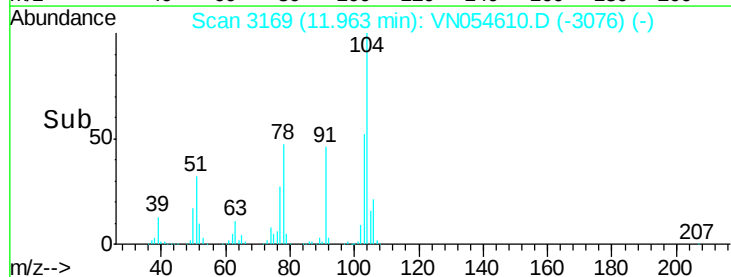
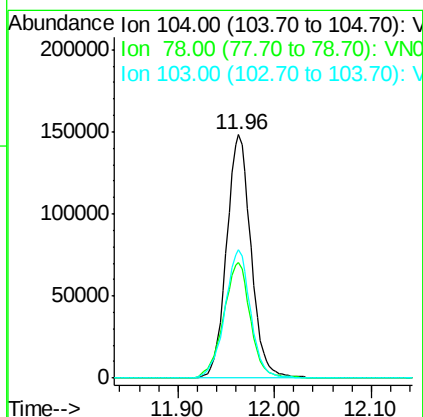
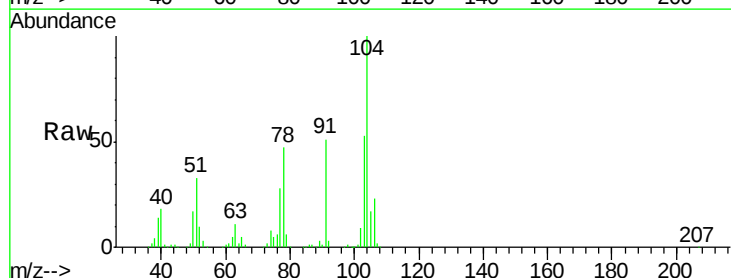
Instrument :
MSVOA_N
ClientSampled :
VN0323WBSD01

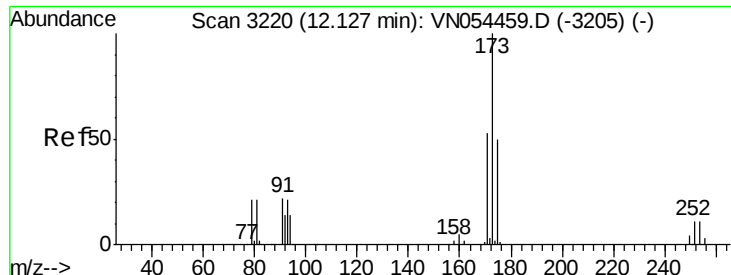
Tot Ion:106 Resp: 158816
Ion Ratio Lower Upper
106 100
91 220.7 105.7 317.1



#70
Styrene
Concen: 20.135 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion:104 Resp: 260367
Ion Ratio Lower Upper
104 100
78 52.3 38.2 57.2
103 55.4 44.4 66.6

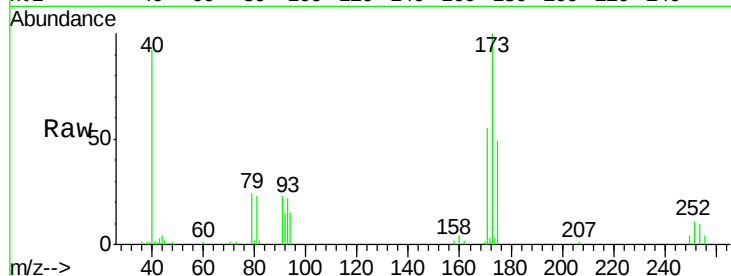




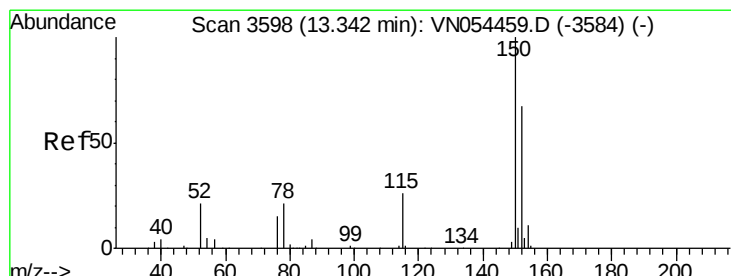
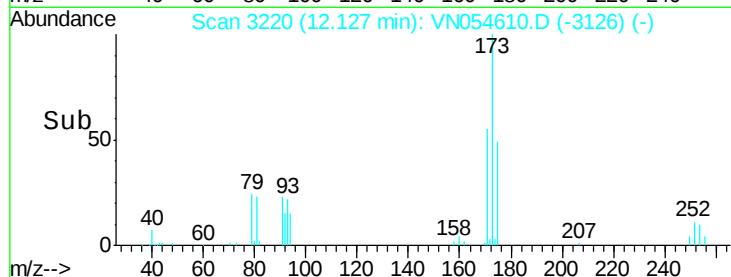
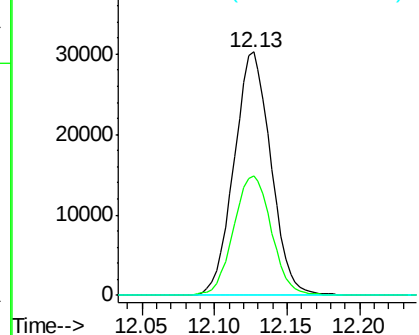
#71
Bromoform
Concen: 19.158 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion:173 Resp: 53449
Ion Ratio Lower Upper
173 100
175 50.3 24.4 73.2
254 0.0 0.1 0.1#

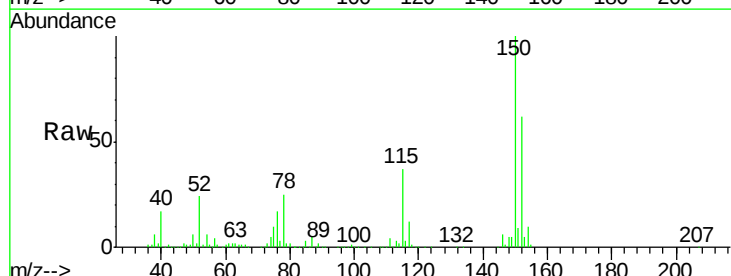


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

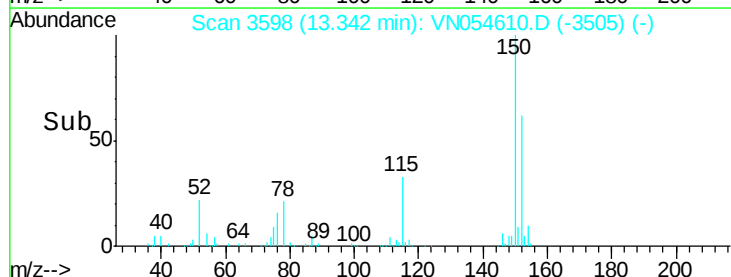
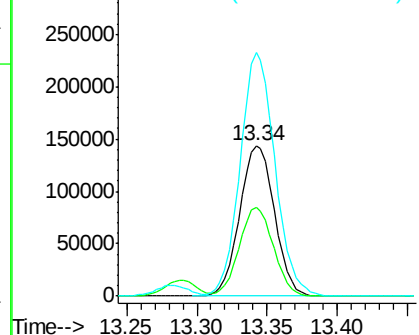


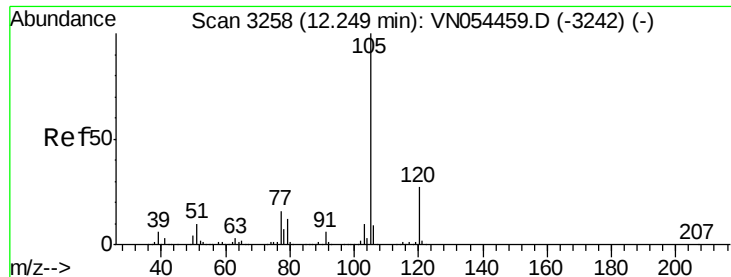
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion:152 Resp: 248652
Ion Ratio Lower Upper
152 100
115 57.8 27.2 81.6
150 162.2 0.0 349.2



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





#73

Isopropylbenzene

Concen: 20.834 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

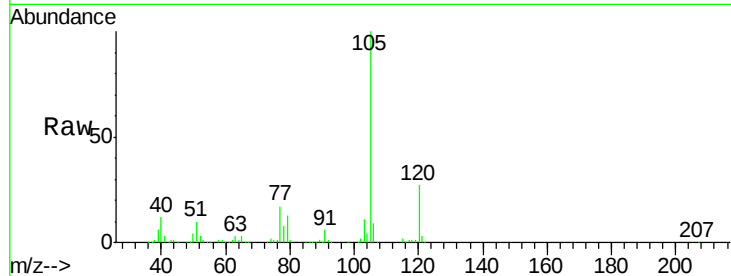
VN0323WBSD01

Tot Ion:105 Resp: 417454

Ion Ratio Lower Upper

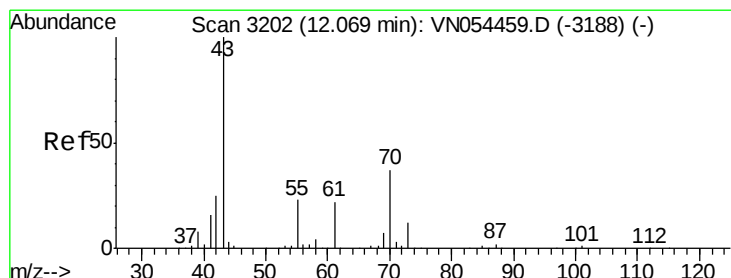
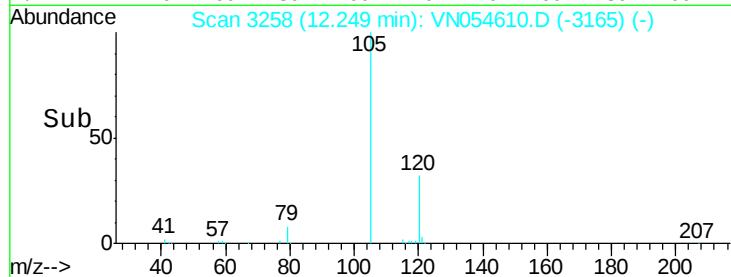
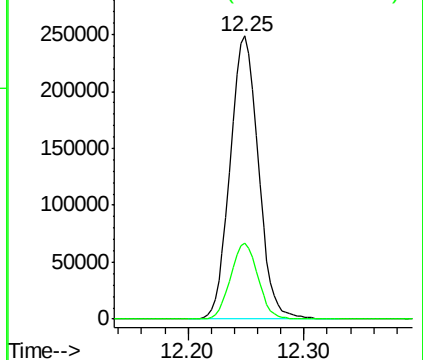
105 100

120 26.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.178 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Tgt Ion: 43 Resp: 133538

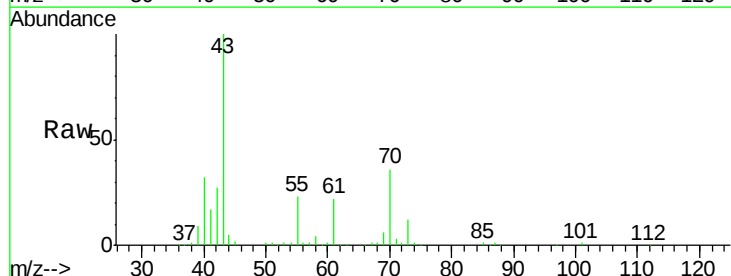
Ion Ratio Lower Upper

43 100

70 36.8 35.4 53.0

55 24.2 19.8 29.6

61 22.2 19.8 29.6

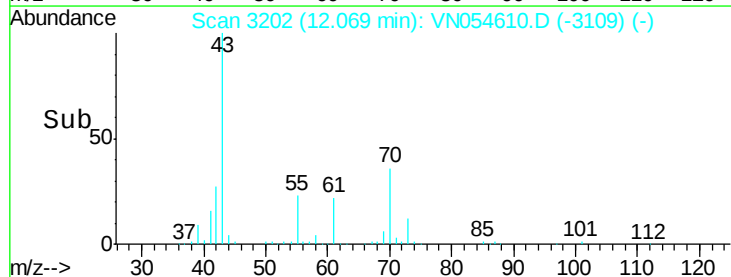
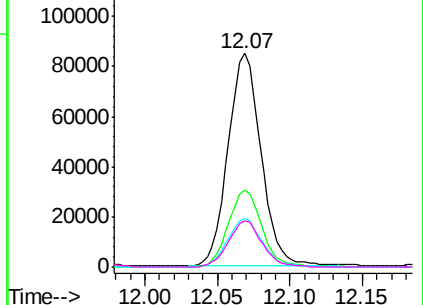


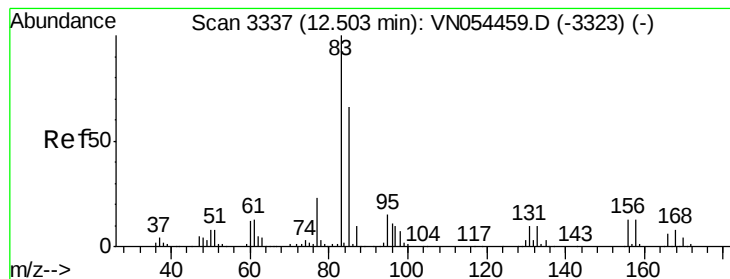
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.829 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

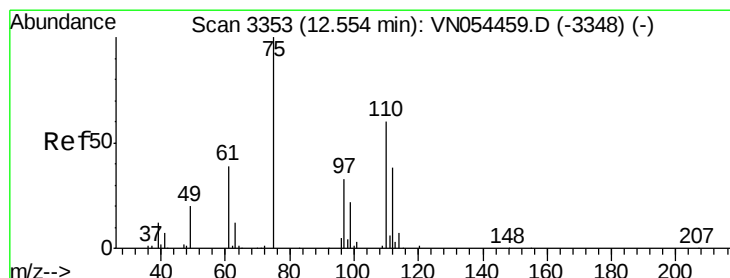
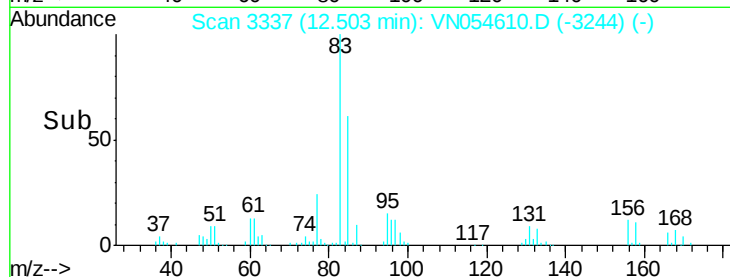
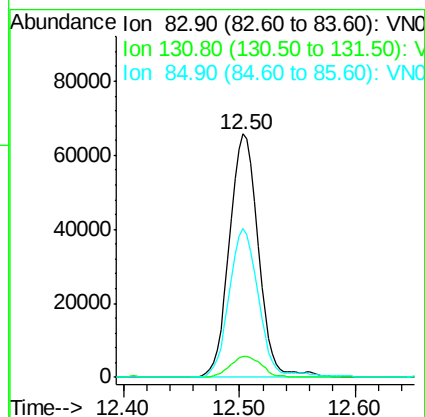
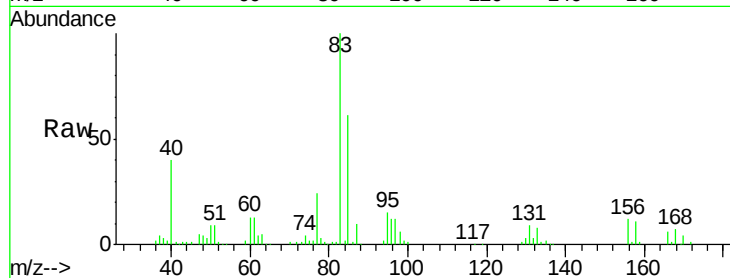
Tot Ion: 83 Resp: 113567

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.8	17.4
85	60.5	32.2	96.6

83 100

131 9.5 5.8 17.4

85 60.5 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 30.935 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054610.D

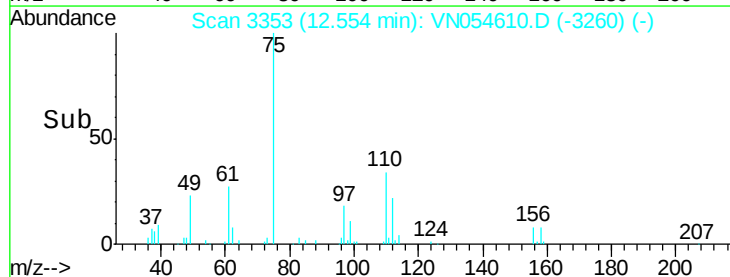
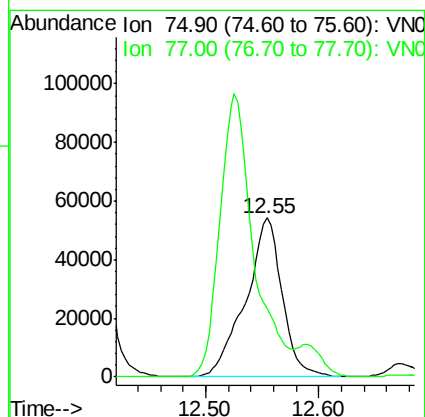
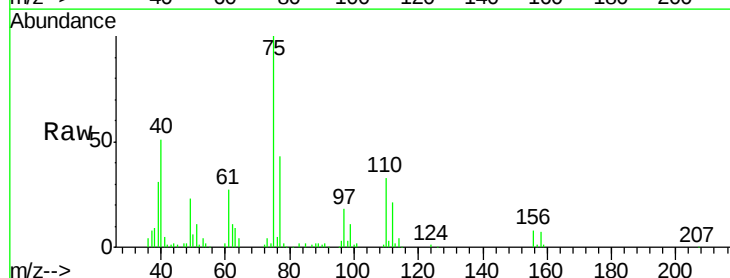
Acq: 23 Mar 2019 17:49

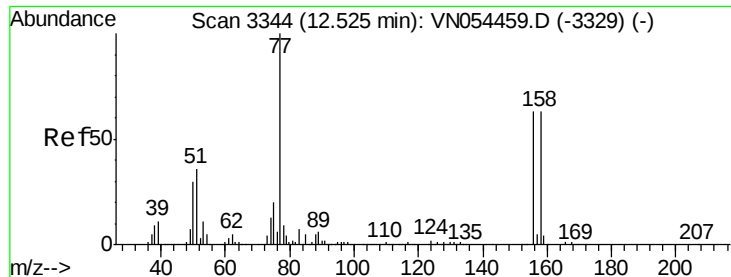
Tgt Ion: 75 Resp: 122062

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.523 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

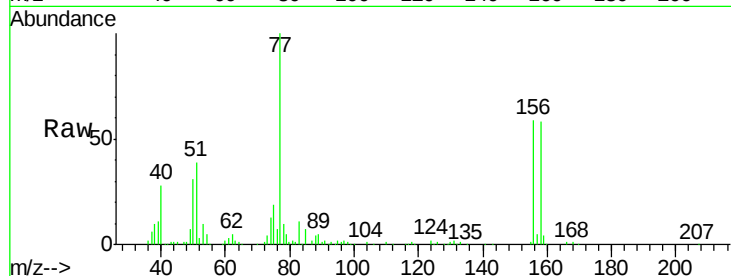
Tot Ion:156 Resp: 101985

Ion Ratio Lower Upper

156 100

77 197.2 81.5 244.4

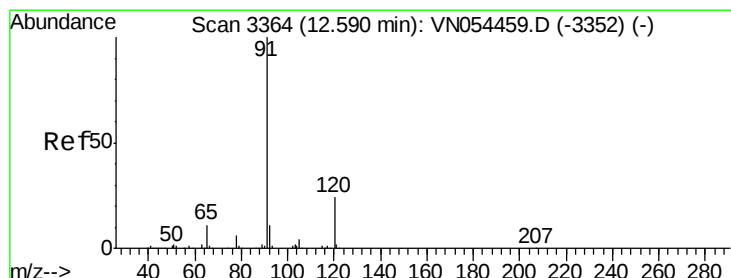
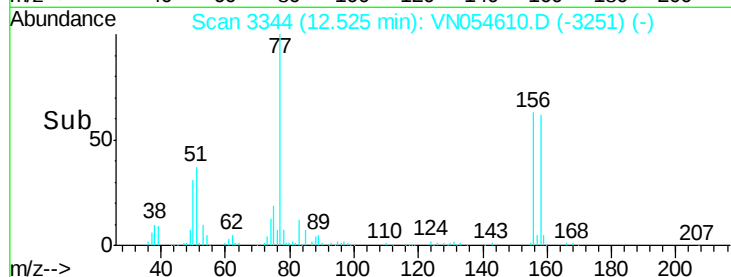
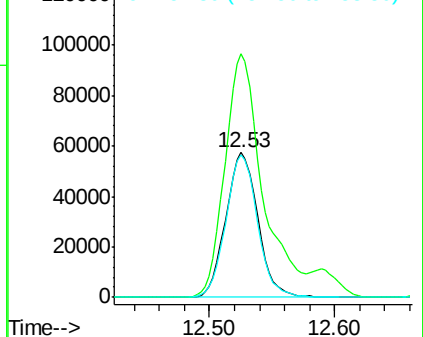
158 96.5 49.0 147.2



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: 20.699 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054610.D

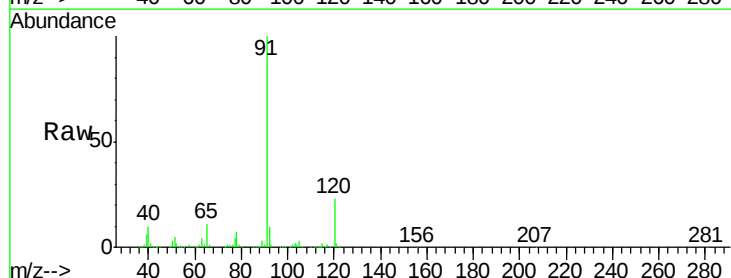
Acq: 23 Mar 2019 17:49

Tgt Ion: 91 Resp: 449722

Ion Ratio Lower Upper

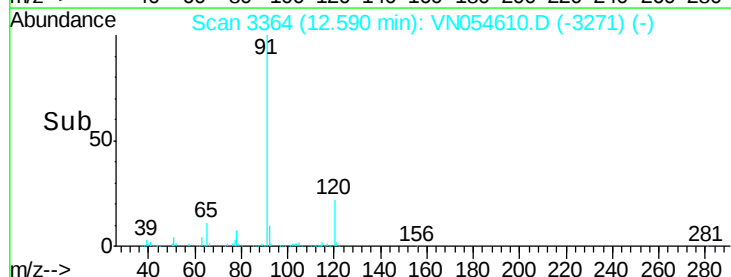
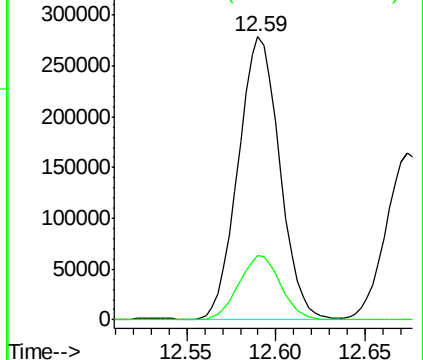
91 100

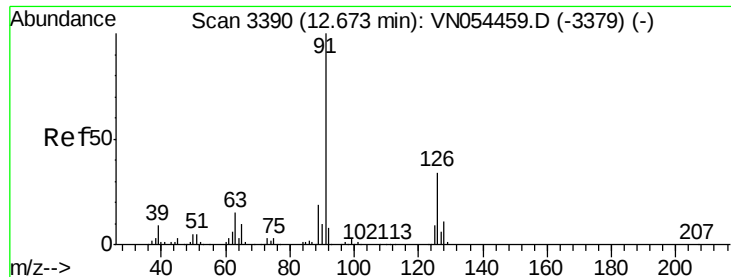
120 23.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.756 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

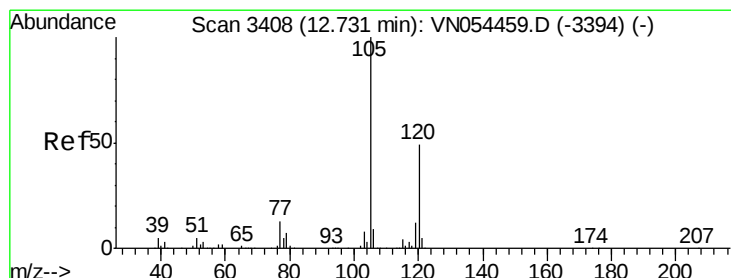
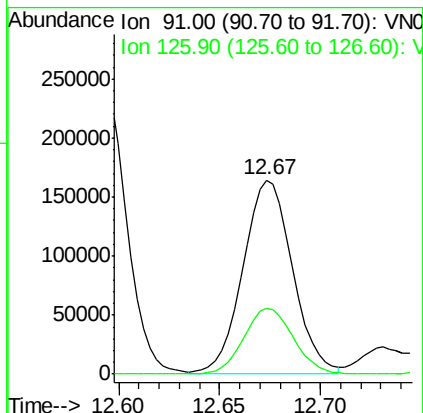
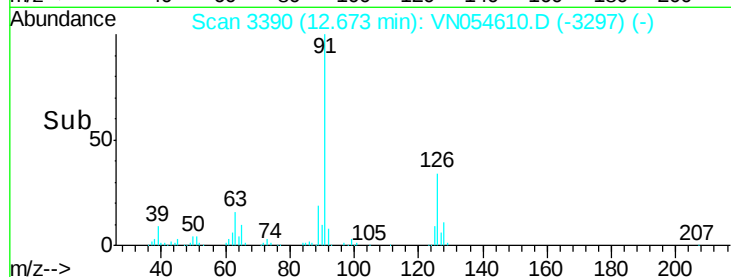
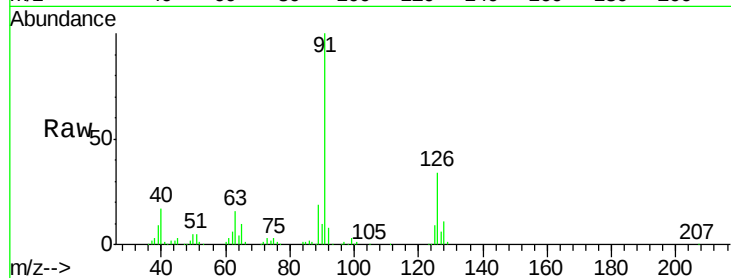
VN0323WBSD01

Tot Ion: 91 Resp: 281221

Ion Ratio Lower Upper

91 100

126 34.3 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.411 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054610.D

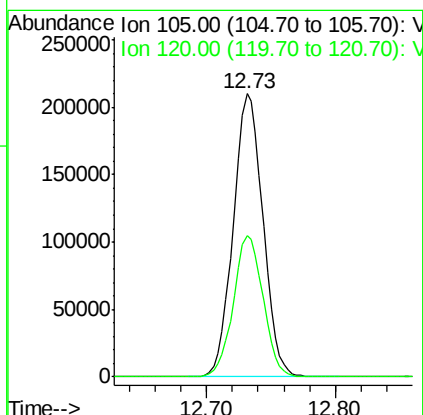
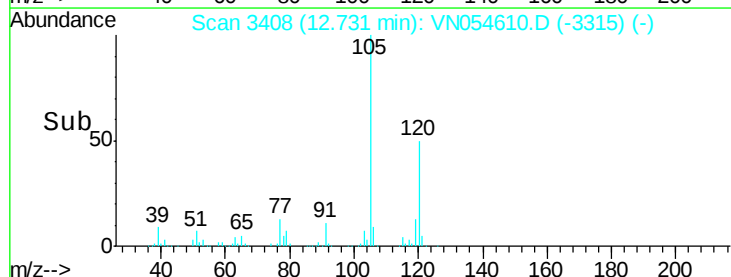
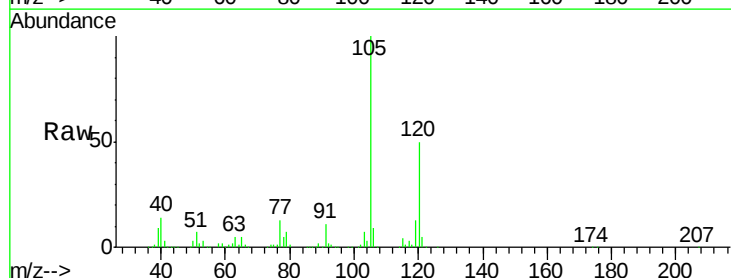
Acq: 23 Mar 2019 17:49

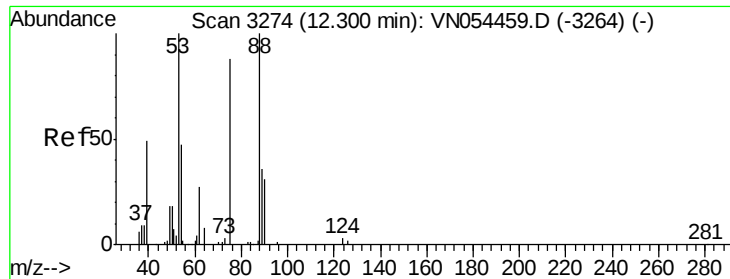
Tgt Ion: 105 Resp: 335190

Ion Ratio Lower Upper

105 100

120 50.0 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.926 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

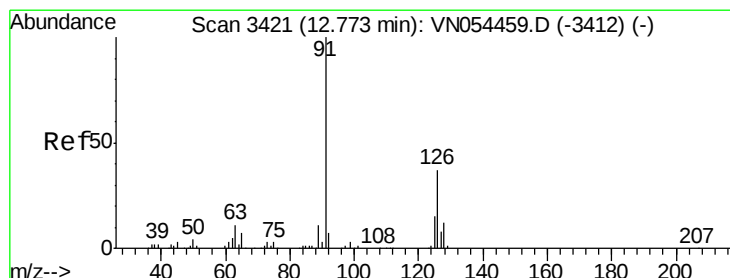
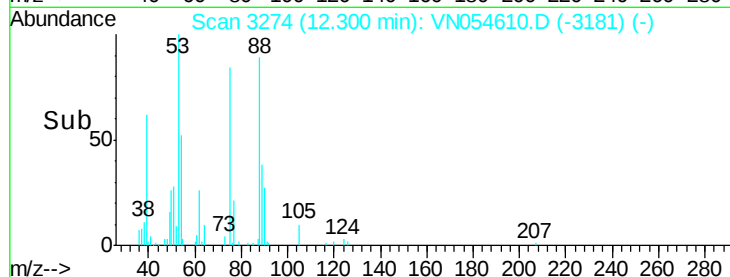
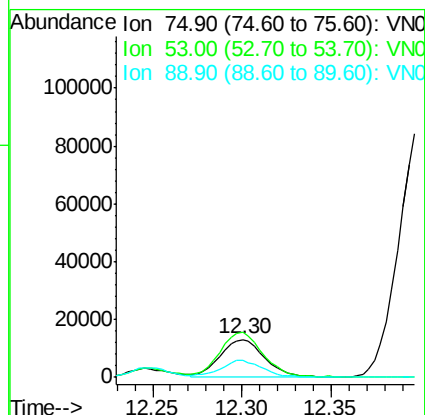
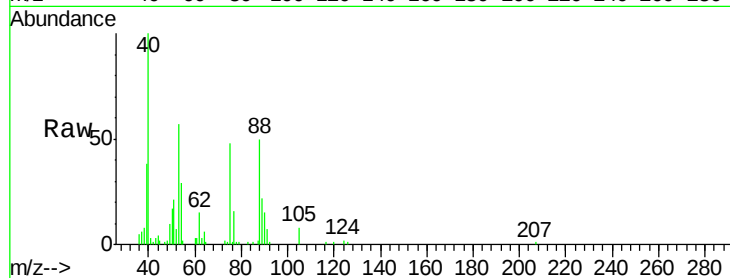
Tot Ion: 75 Resp: 22919

Ion Ratio Lower Upper

75 100

53 111.0 76.2 114.2

89 42.8 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.838 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054610.D

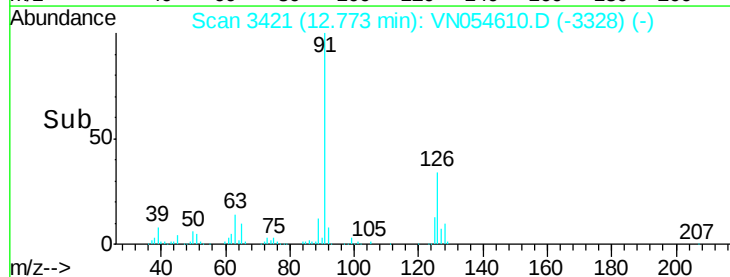
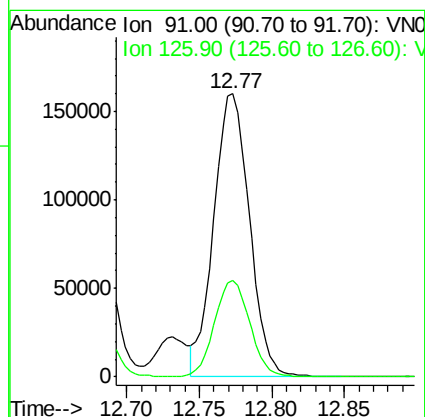
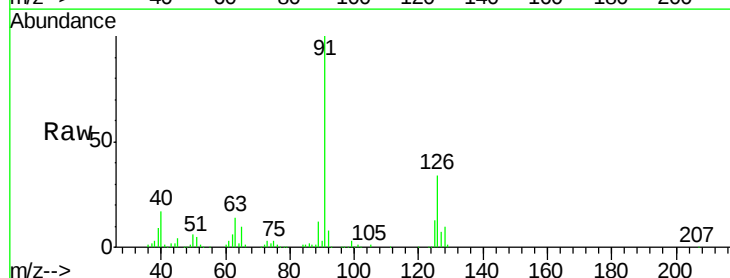
Acq: 23 Mar 2019 17:49

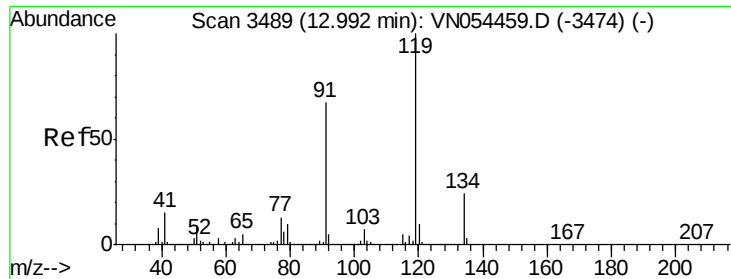
Tgt Ion: 91 Resp: 273665

Ion Ratio Lower Upper

91 100

126 33.7 18.1 54.1

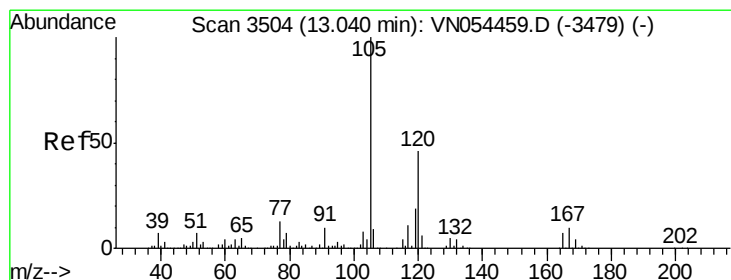
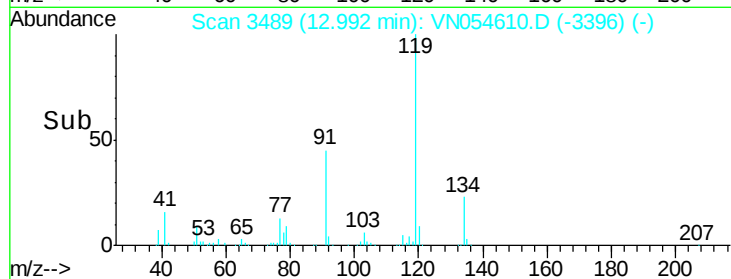
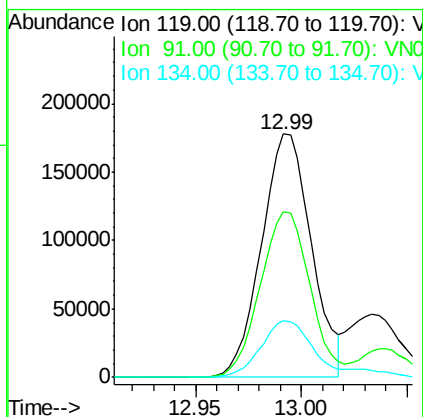
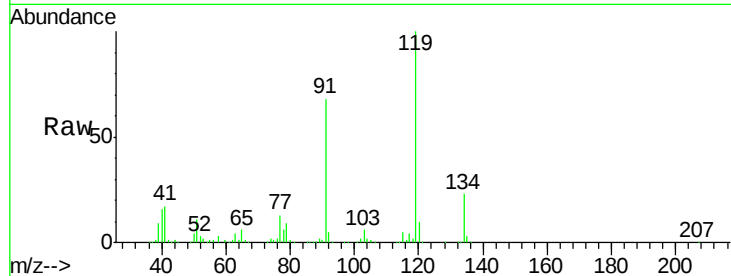




#83
 tert-Butylbenzene
 Concen: 20.514 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

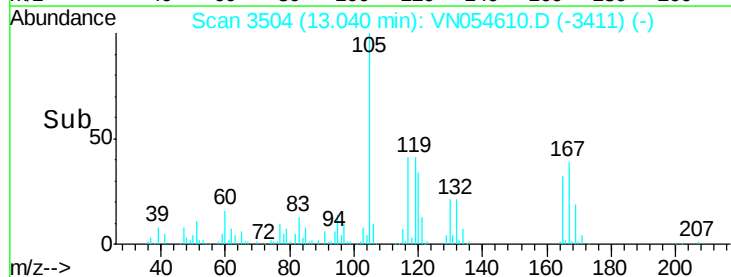
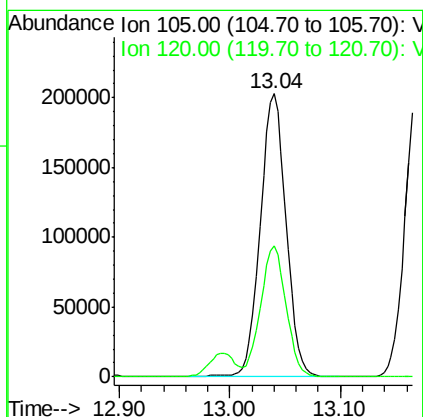
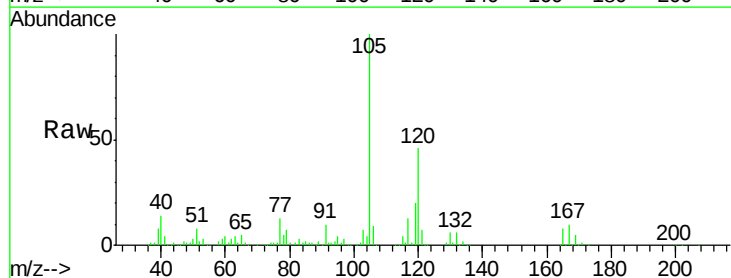
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

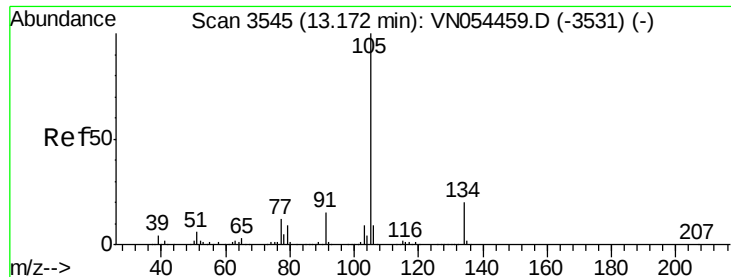
Tot Ion:119 Resp: 293243
 Ion Ratio Lower Upper
 119 100
 91 67.6 30.9 92.8
 134 26.4 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.529 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion:105 Resp: 330802
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.312 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

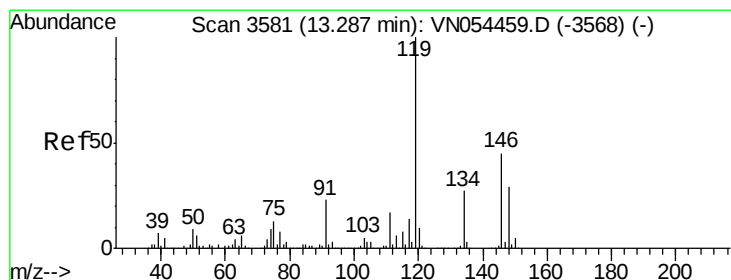
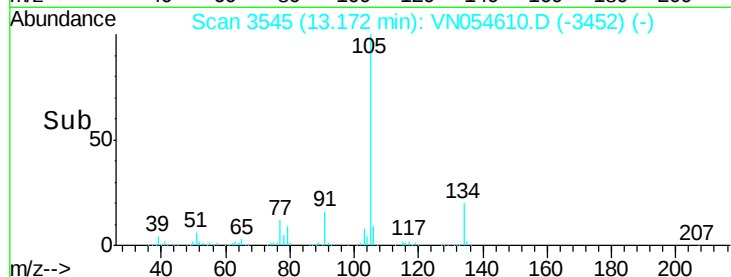
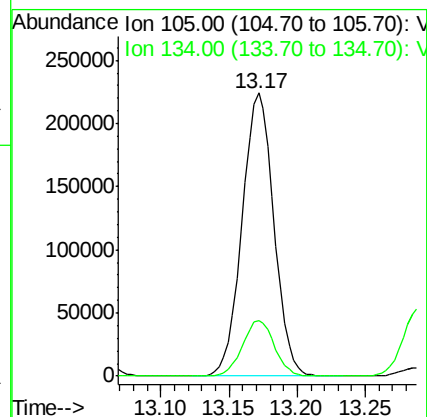
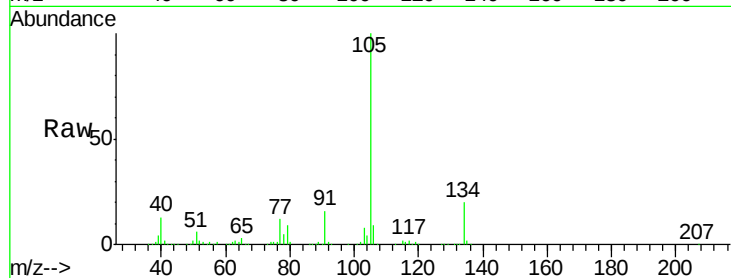
VN0323WBSD01

Tot Ion:105 Resp: 361946

Ion Ratio Lower Upper

105 100

134 19.7 10.7 32.1



#86

p-Isopropyltoluene

Concen: 19.980 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

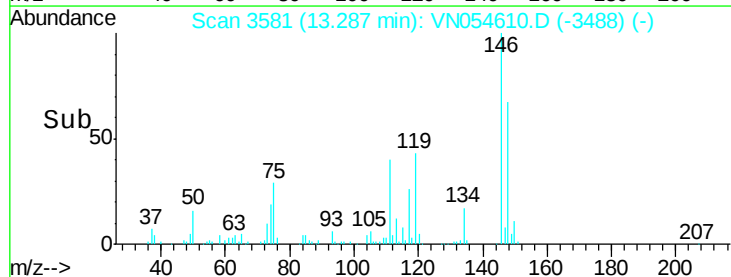
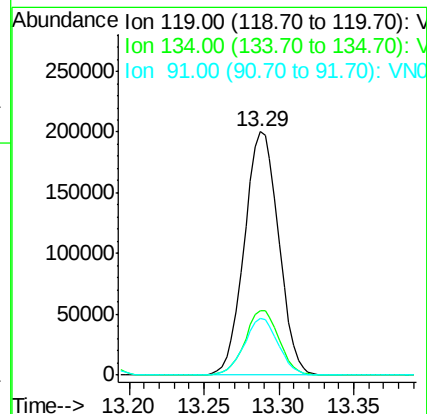
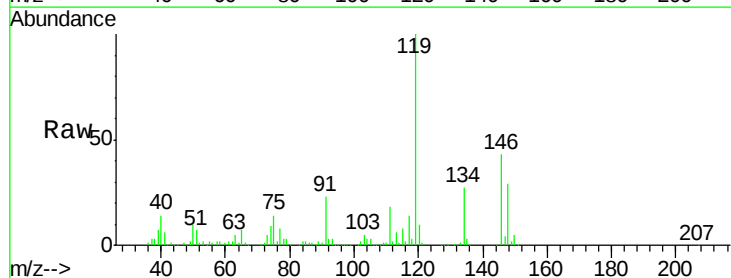
Tgt Ion:119 Resp: 318527

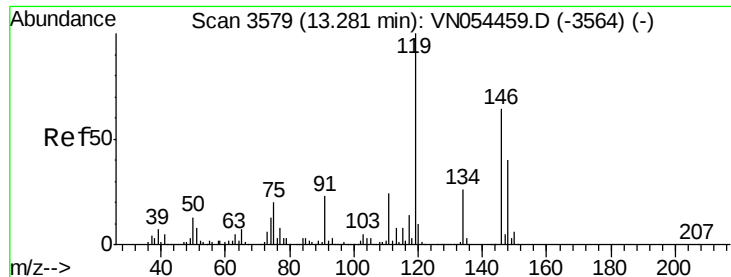
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 23.2 11.1 33.3

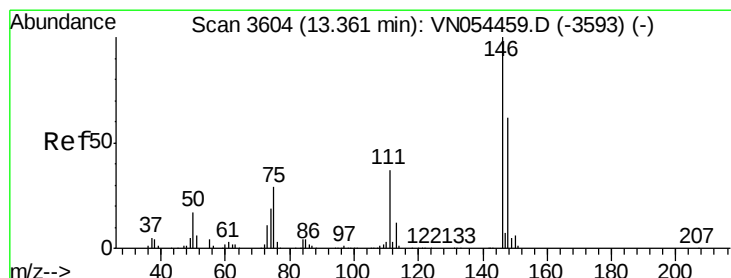
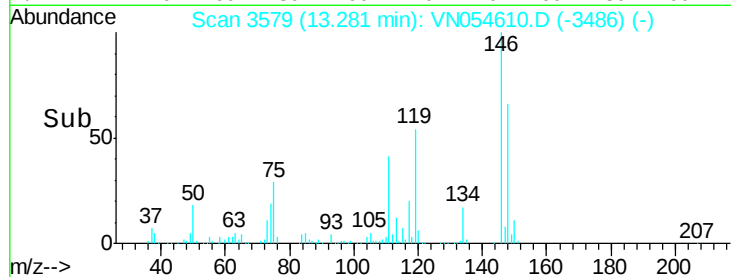
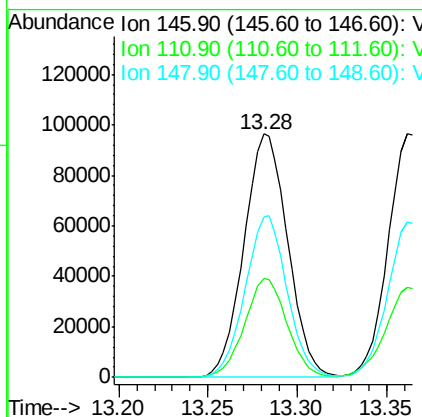
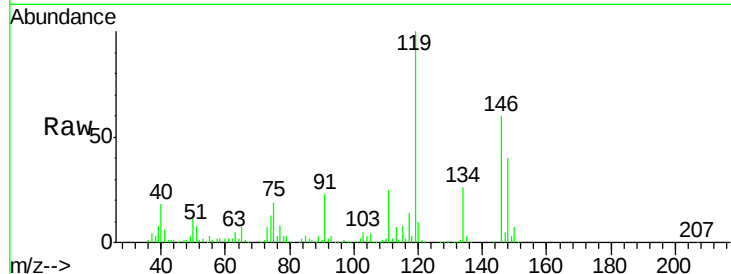




#87
 1,3-Dichlorobenzene
 Concen: 20.103 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

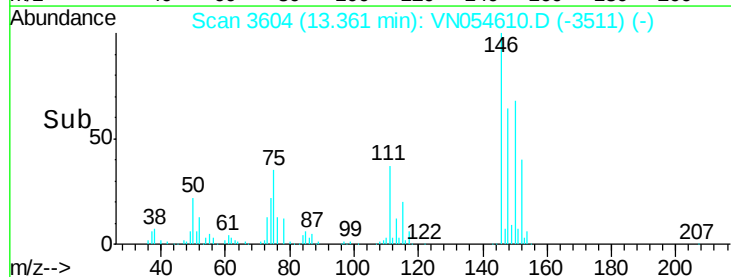
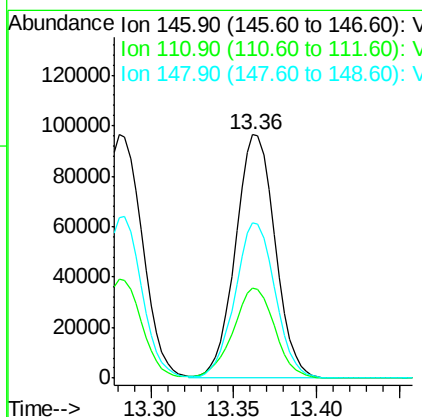
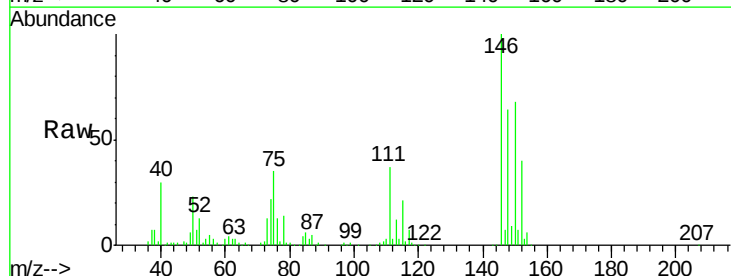
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

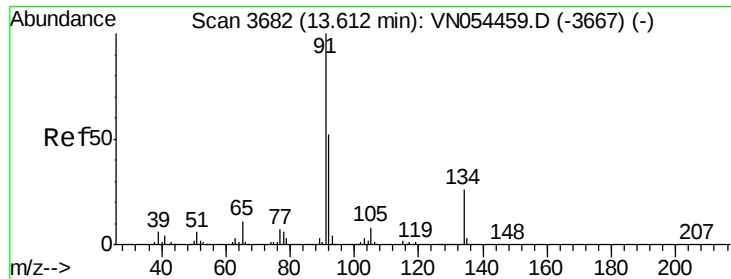
Tot Ion:146 Resp: 165547
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.8 56.3
 148 63.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.964 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion:146 Resp: 159964
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.1 54.1
 148 64.9 32.0 96.0

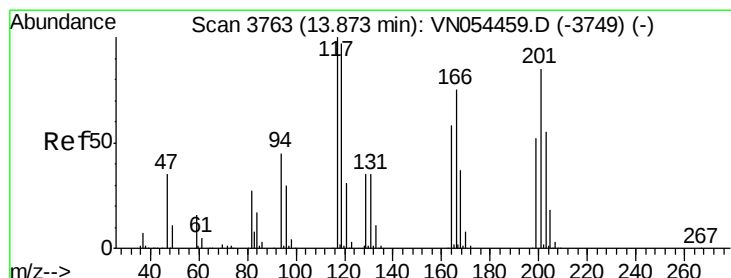
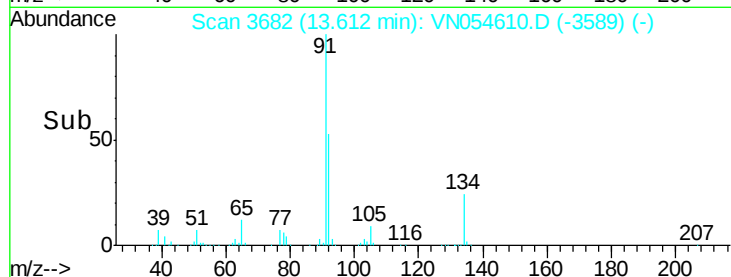
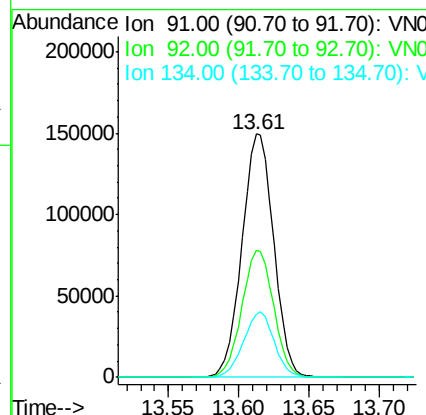
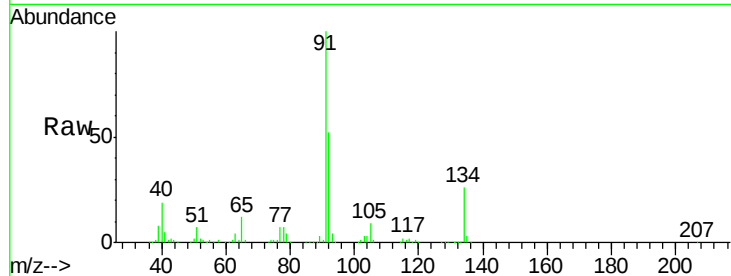




#89
n-Butylbenzene
Concen: 18.918 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

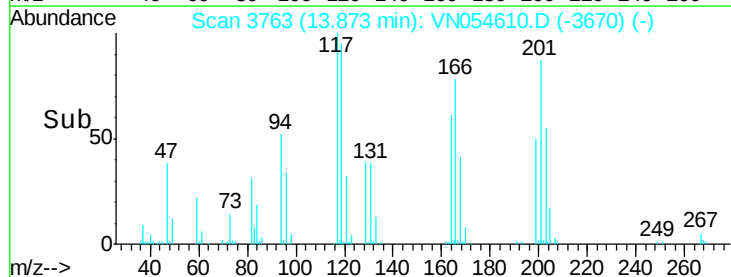
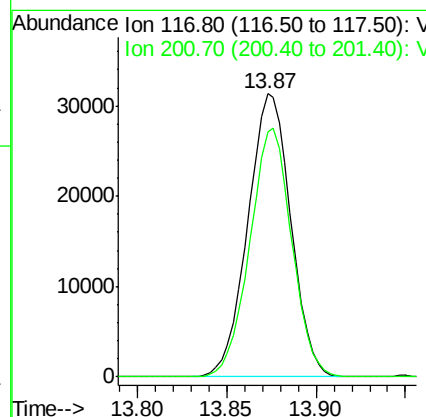
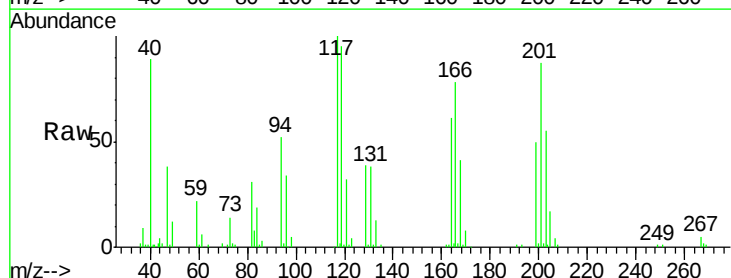
Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

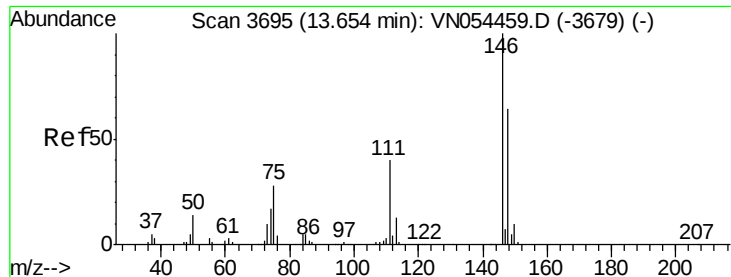
Tot Ion: 91 Resp: 235826
Ion Ratio Lower Upper
91 100
92 52.1 26.2 78.6
134 26.1 14.3 42.9



#90
Hexachloroethane
Concen: 21.286 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion: 117 Resp: 52675
Ion Ratio Lower Upper
117 100
201 85.9 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 20.876 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

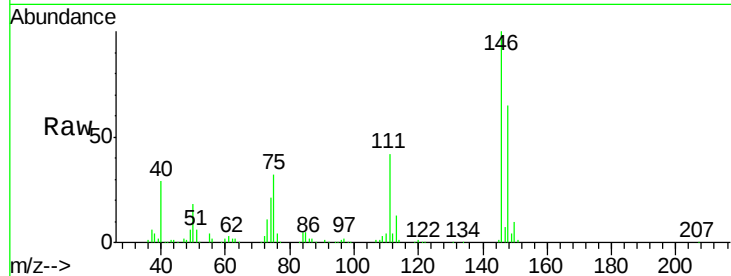
Tot Ion:146 Resp: 166518

Ion Ratio Lower Upper

146 100

111 41.2 19.1 57.3

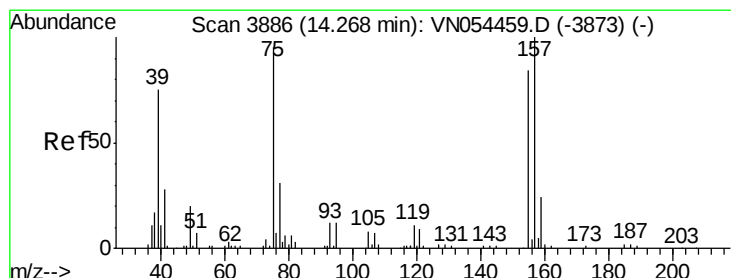
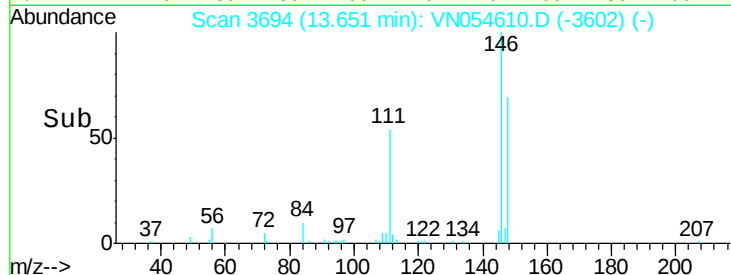
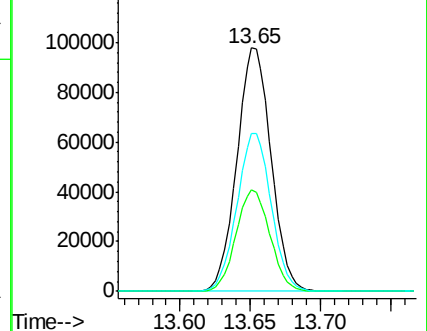
148 64.8 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.442 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

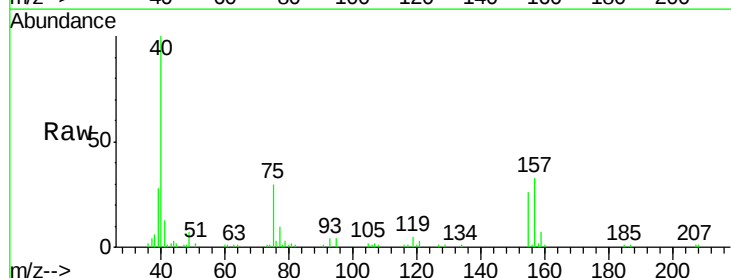
Tgt Ion: 75 Resp: 15727

Ion Ratio Lower Upper

75 100

155 84.1 50.1 150.3

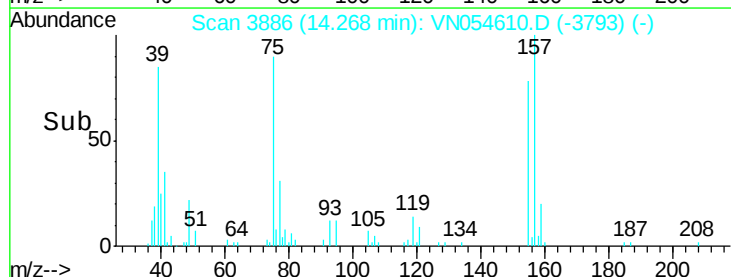
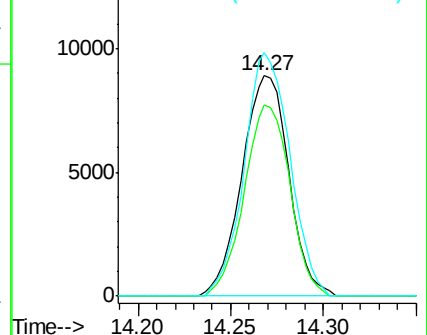
157 107.6 63.1 189.3

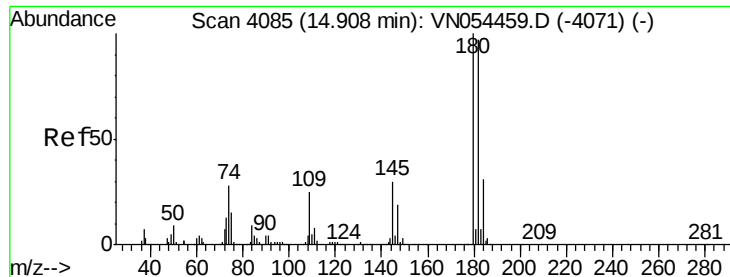


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

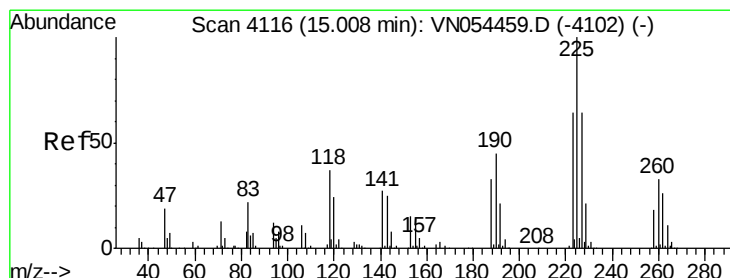
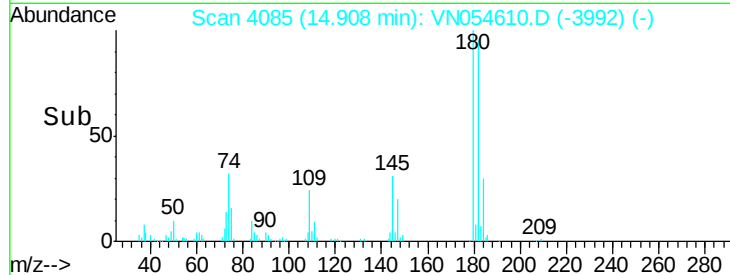
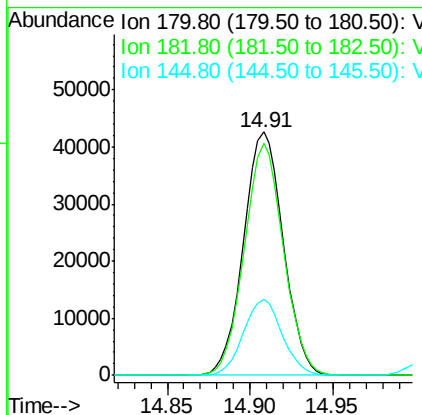
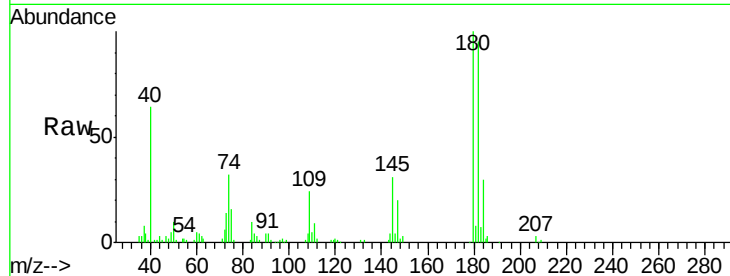




#93
 1,2,4-Trichlorobenzene
 Concen: 17.858 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

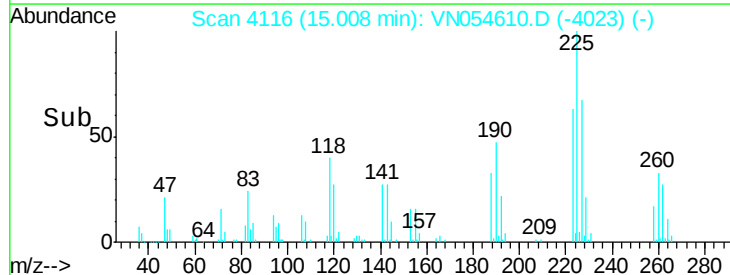
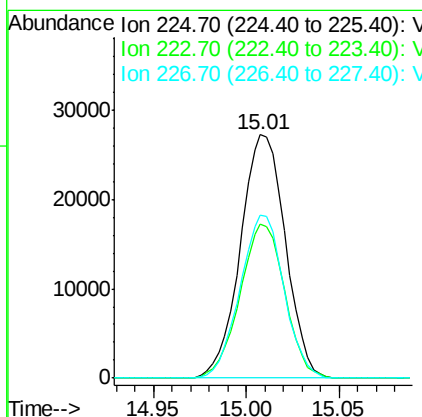
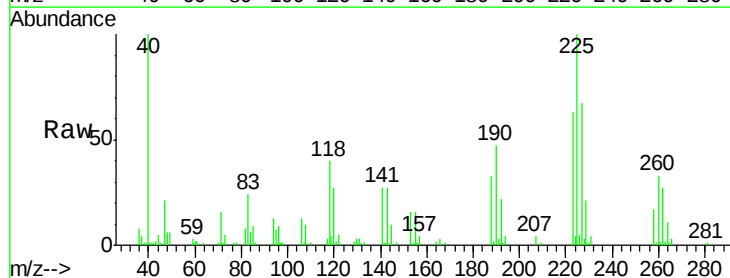
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

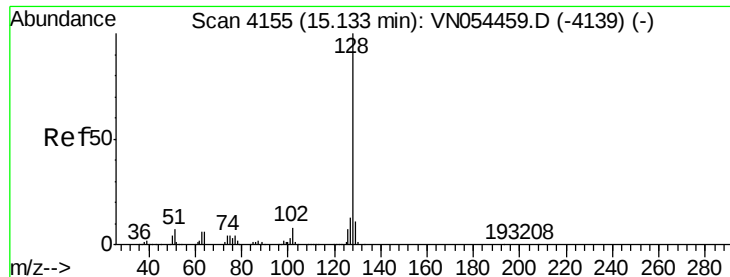
Tot Ion:180 Resp: 71009
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.0 144.2
 145 30.4 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 19.052 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion:225 Resp: 45991
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.1 93.5
 227 65.3 31.9 95.9





#95

Naphthalene

Concen: 18.905 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

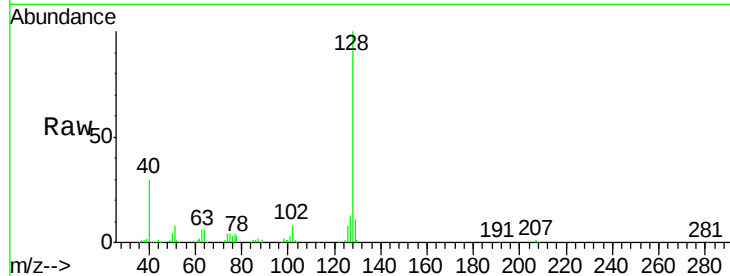
Tot Ion:128 Resp: 167672

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

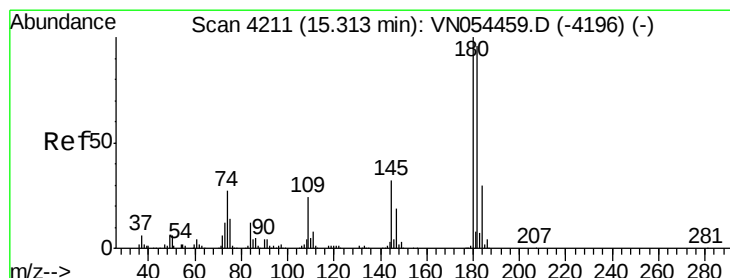
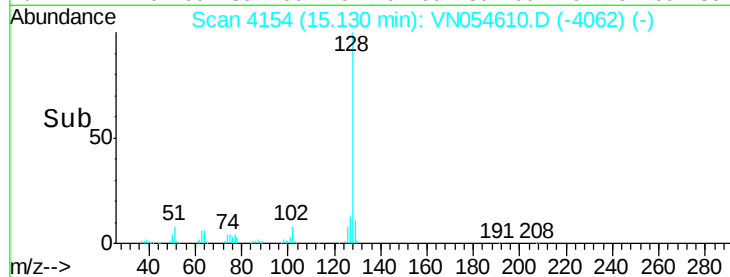
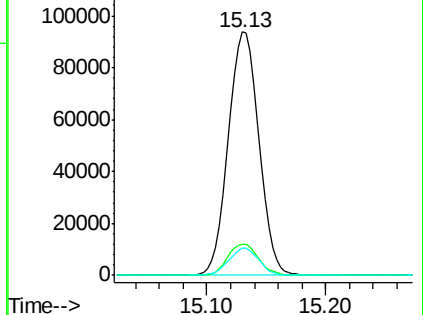
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.320 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

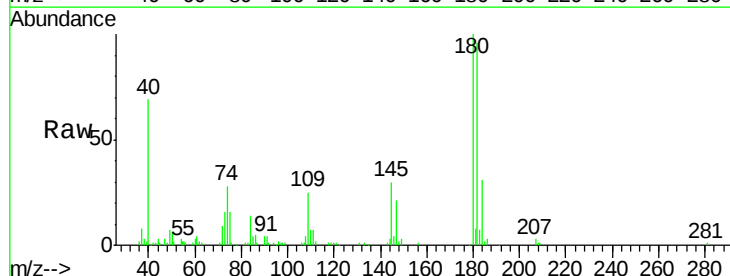
Tgt Ion:180 Resp: 72501

Ion Ratio Lower Upper

180 100

182 97.7 47.5 142.6

145 31.6 14.8 44.3



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

