

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
 Data File : VN053337.D
 Acq On : 10 Jan 2019 13:14
 Operator : MD\SY
 Sample : VN0110WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS01

Quant Time: Jan 11 05:41:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	151200	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	864933	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	776910	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	288489	30.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.10%
60) 4-Bromofluorobenzene	12.40	95	359994	30.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.93%
63) Toluene-d8	10.09	98	1046297	29.89	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.63%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	199496	19.802 ug/l	99
3) Chloromethane	2.06	50	238198	20.146 ug/l	99
4) Vinyl Chloride	2.19	62	228661	19.652 ug/l	97
5) Bromomethane	2.56	94	145916	19.451 ug/l	99
6) Chloroethane	2.71	64	132785	19.812 ug/l	100
7) Trichlorofluoromethane	3.02	101	285150	19.845 ug/l	99
8) Diethyl Ether	3.41	74	109926	20.592 ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.77	101	174693	19.351 ug/l	96
10) 1,1-Dichloroethene	3.74	96	171725	19.492 ug/l	97
11) Methyl Iodide	3.96	142	271325	21.030 ug/l	99
12) Methyl Acetate	4.32	43	155681	22.672 ug/l	96
13) Acrolein	3.61	56	82197	100.260 ug/l	99
14) Acrylonitrile	4.99	53	339854	110.631 ug/l	98
15) Acetone	3.81	58	78773	120.656 ug/l	92
16) Carbon Disulfide	4.06	76	492963	18.189 ug/l	100
17) Allyl chloride	4.33	41	278050	20.062 ug/l	98
18) Methylene Chloride	4.55	84	203360	20.169 ug/l	95
19) trans-1,2-Dichloroethene	5.05	96	182532	19.605 ug/l	92
20) Diisopropyl ether	5.95	45	604948	20.381 ug/l	97
21) 1,1-Dichloroethane	5.85	63	343416	19.872 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	212432	20.255 ug/l	97
23) tert-Butyl Alcohol	4.78	59	52363	101.115 ug/l	# 100
24) Methyl tert-Butyl Ether	5.04	73	481656	20.966 ug/l	98
25) Chloroform	7.37	83	338165	20.357 ug/l	99
26) Cyclohexane	7.65	56	308549	19.142 ug/l	# 96
29) 1,1-Dichloropropene	7.79	75	258739	19.748 ug/l	98
30) 2-Butanone	6.83	43	377280	115.424 ug/l	97
31) 2,2-Dichloropropane	6.83	77	245354	19.344 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	277993	20.251 ug/l	97
33) Carbon Tetrachloride	7.77	117	237971	19.805 ug/l	99
34) Benzene	8.04	78	802344	20.377 ug/l	97
35) Methacrylonitrile	7.17	41	95880	22.732 ug/l	98
36) 1,2-Dichloroethane	8.12	62	237698	20.795 ug/l	98
37) Trichloroethene	8.84	130	216486	20.296 ug/l	94
38) Methylcyclohexane	9.08	83	310387	20.255 ug/l	97
39) 1,2-Dichloropropane	9.12	63	209963	20.421 ug/l	98
40) Dibromomethane	9.21	93	124060	21.336 ug/l	95

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	254606	20.390	ug/l	98
42) Vinyl Acetate	5.90	43	1934789	108.497	ug/l	97
43) Ethyl Acetate	6.93	43	169123	23.169	ug/l #	70
44) Isopropyl Acetate	8.16	43	307377	22.605	ug/l #	82
45) 1,4-Dioxane	9.20	88	29823	358.664	ug/l	94
46) Methyl methacrylate	9.20	41	151698	22.083	ug/l	96
47) n-amyl Acetate	12.07	43	266537	22.320	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	258370	20.272	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	303519	20.225	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	179912	21.580	ug/l	99
51) Ethyl methacrylate	10.43	69	238111	21.914	ug/l	91
52) 1,3-Dichloropropane	10.71	76	307793	21.431	ug/l	100
53) Dibromochloromethane	10.90	129	195544	20.883	ug/l	98
54) 1,2-Dibromoethane	11.01	107	180086	21.412	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	640964	102.789	ug/l	98
56) Bromoform	12.13	173	136181	21.260	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	861254	116.336	ug/l	97
59) 2-Hexanone	10.75	43	578311	113.153	ug/l	96
61) Tetrachloroethene	10.63	164	237466	20.683	ug/l	97
62) Toluene	10.16	91	870810	20.438	ug/l	100
64) Chlorobenzene	11.43	112	545536	20.403	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	190880	20.352	ug/l	99
66) Ethyl Benzene	11.51	91	939956	20.343	ug/l	98
67) m/p-Xylenes	11.62	106	718059	41.090	ug/l	98
68) o-Xylene	11.95	106	350035	20.670	ug/l	99
69) Styrene	11.96	104	571207	20.665	ug/l	100
70) Isopropylbenzene	12.25	105	936843	21.027	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	210970	22.494	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	281079	34.223	ug/l	41
73) Bromobenzene	12.53	156	240688	21.016	ug/l	94
74) n-propylbenzene	12.59	91	1058482	20.987	ug/l	99
75) 2-Chlorotoluene	12.67	91	630830	21.119	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	759376	21.486	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	59247	20.530	ug/l	95
78) 4-Chlorotoluene	12.77	91	633539	20.836	ug/l	99
79) tert-butylbenzene	12.99	119	675509	21.915	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	760147	21.459	ug/l	99
81) sec-Butylbenzene	13.17	105	911139	22.323	ug/l	99
82) p-Isopropyltoluene	13.29	119	789275	22.378	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	424577	21.773	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	409354	21.535	ug/l	98
85) n-Butylbenzene	13.62	91	635964	22.173	ug/l	99
86) Hexachloroethane	13.88	117	116278	20.649	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	403305	22.258	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28723	21.414	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	147034	16.719	ug/l	99
90) Hexachlorobutadiene	15.01	225	125933	23.657	ug/l	99
91) Naphthalene	15.13	128	251109	13.458	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	101854	12.981	ug/l	99

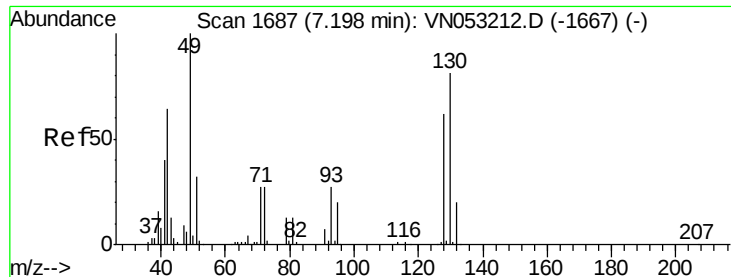
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
Data File : VN053337.D
Acq On : 10 Jan 2019 13:14
Operator : MD\SY
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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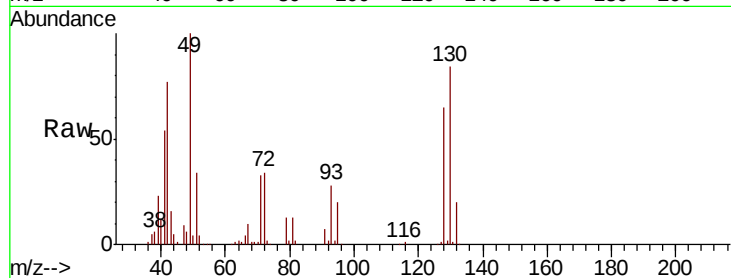
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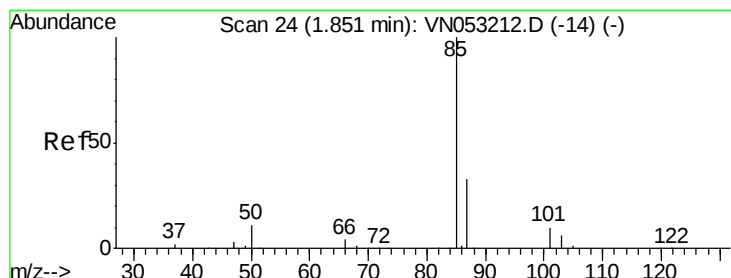
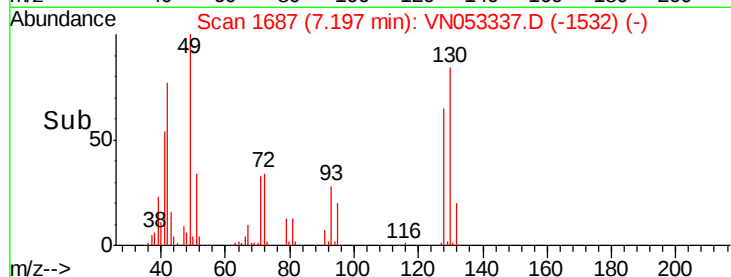
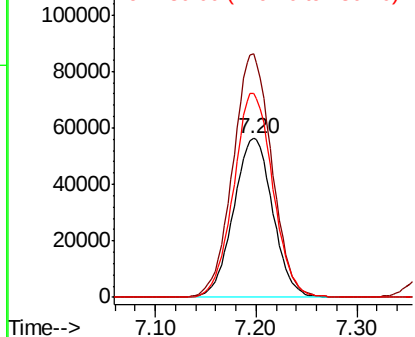
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS01

Tgt Ion:128 Resp: 151200
Ion Ratio Lower Upper
128 100
49 152.9 0.0 431.8
130 129.0 0.0 317.0

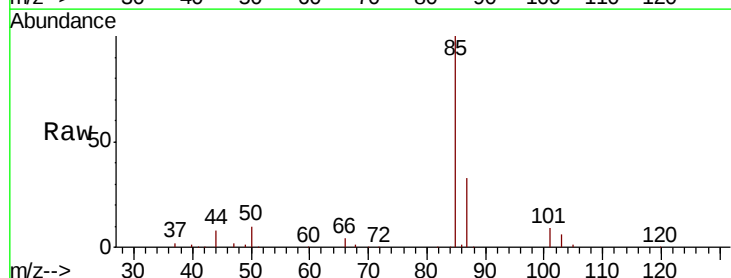


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

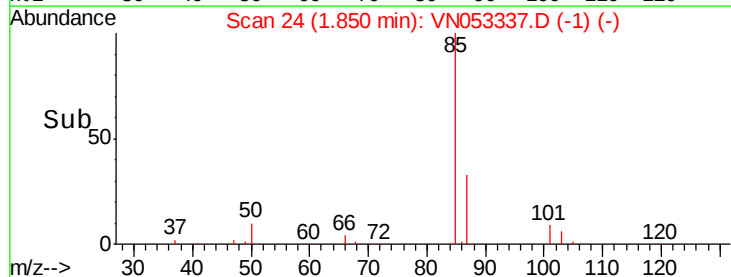
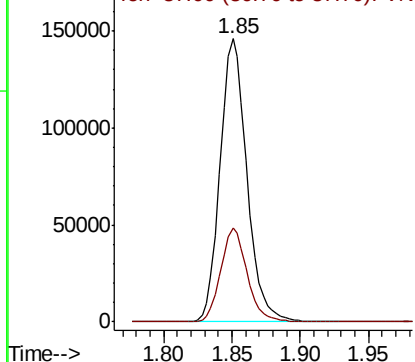


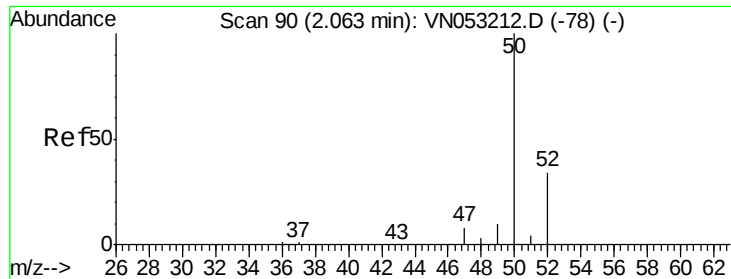
#2
Dichlorodifluoromethane
Concen: 19.802 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Tgt Ion: 85 Resp: 199496
Ion Ratio Lower Upper
85 100
87 33.0 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.146 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

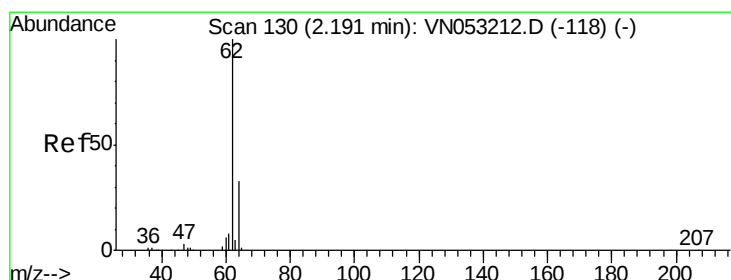
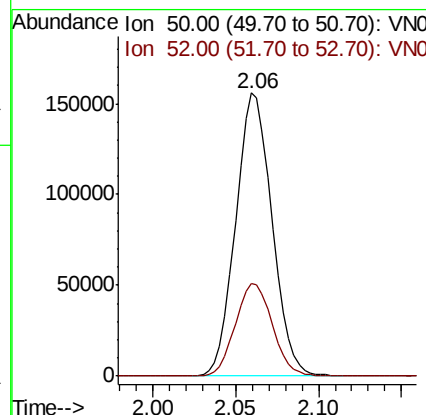
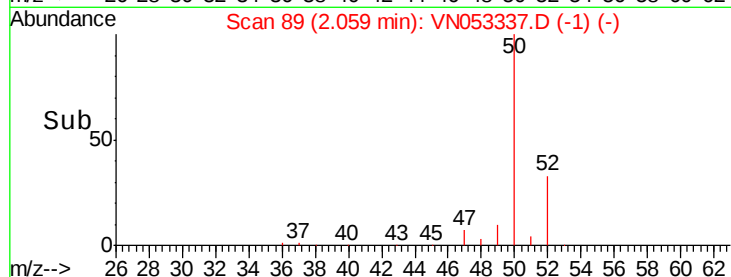
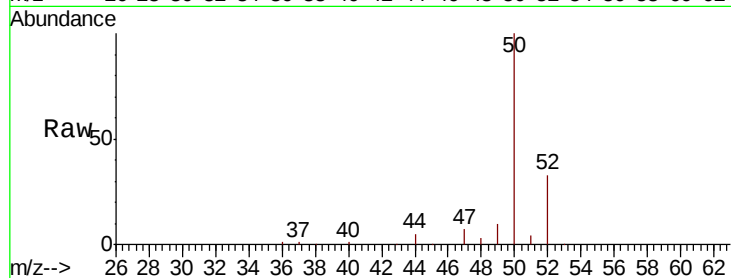
VN0110WBS01

Tgt Ion: 50 Resp: 238198

Ion Ratio Lower Upper

50 100

52 32.8 26.5 39.7



#4

Vinyl Chloride

Concen: 19.652 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053337.D

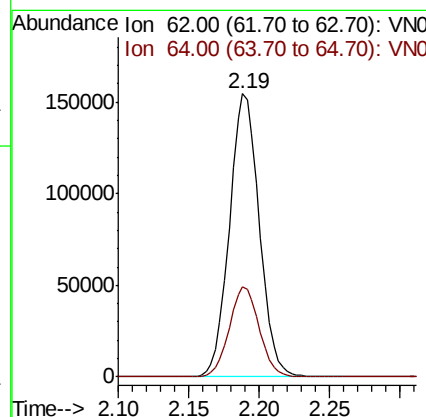
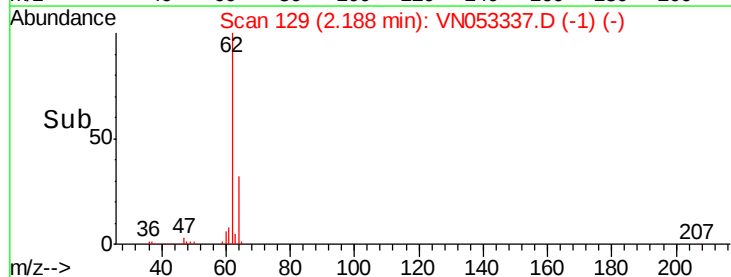
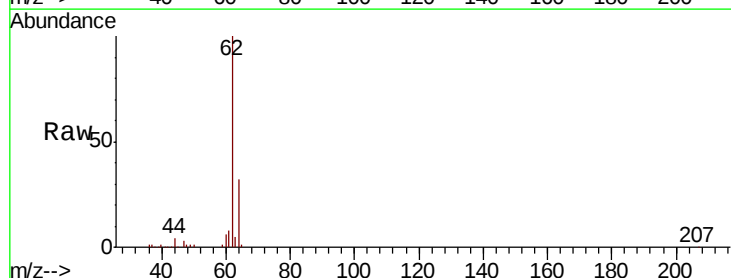
Acq: 10 Jan 2019 13:14

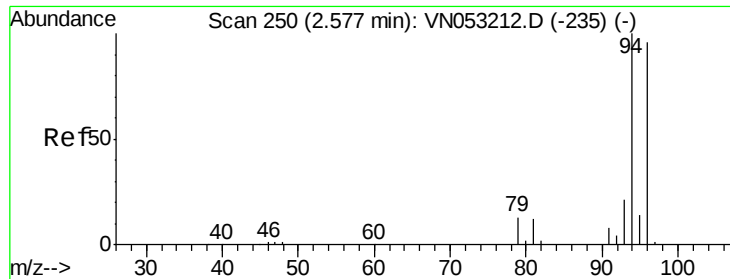
Tgt Ion: 62 Resp: 228661

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.4

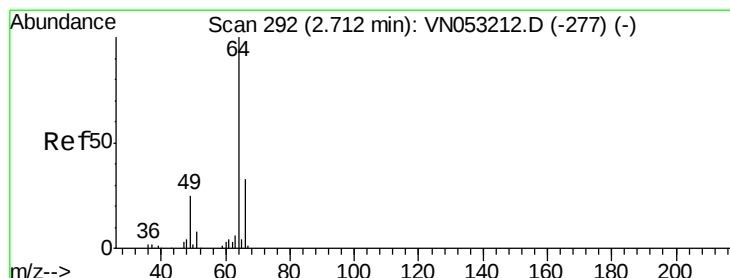
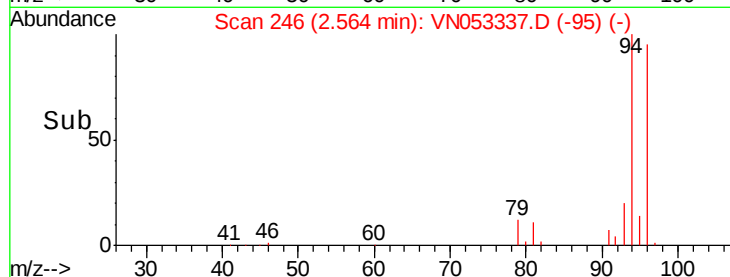
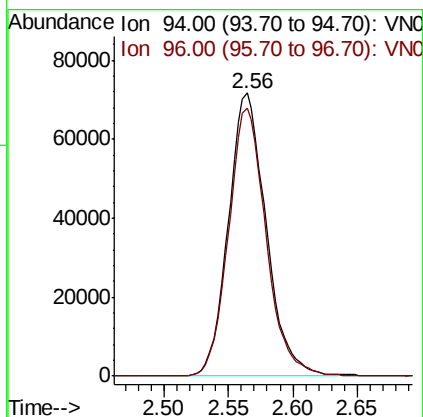
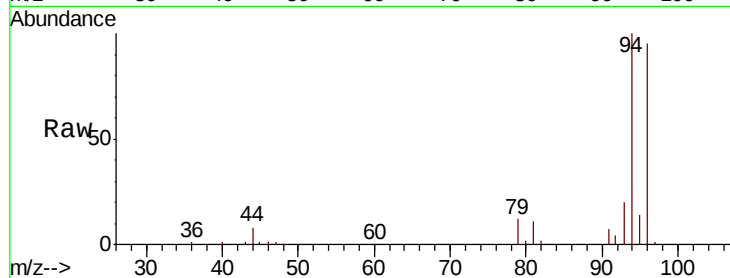




#5
Bromomethane
Concen: 19.451 ug/l
RT: 2.56 min Scan# 246
Delta R.T. -0.01 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

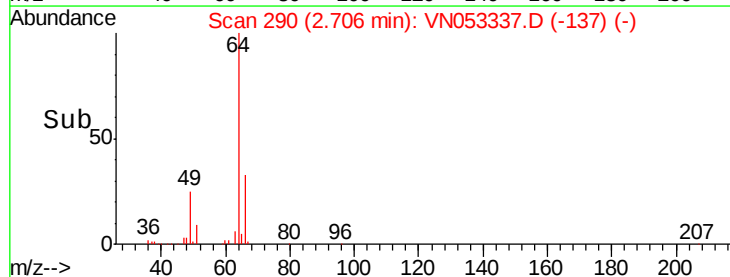
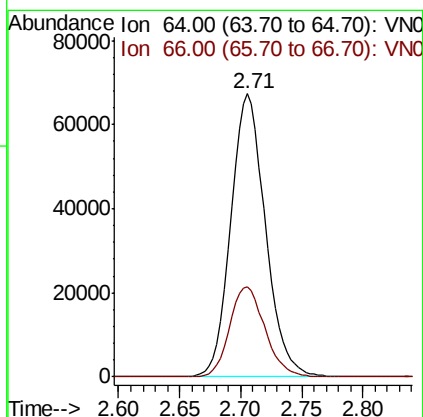
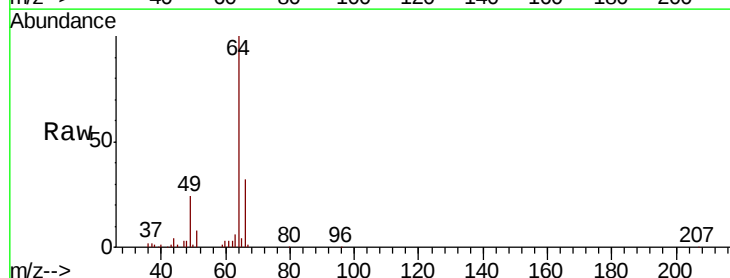
Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS01

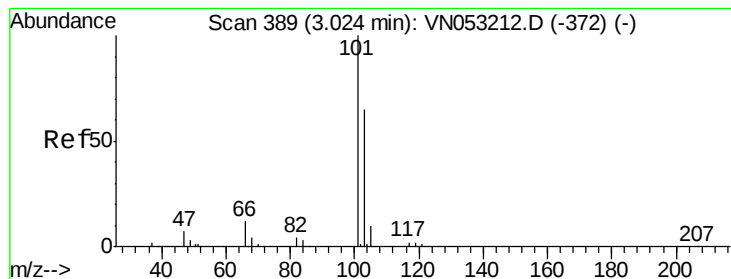
Tgt Ion: 94 Resp: 145916
Ion Ratio Lower Upper
94 100
96 94.5 76.2 114.2



#6
Chloroethane
Concen: 19.812 ug/l
RT: 2.71 min Scan# 290
Delta R.T. -0.01 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Tgt Ion: 64 Resp: 132785
Ion Ratio Lower Upper
64 100
66 31.9 25.6 38.4



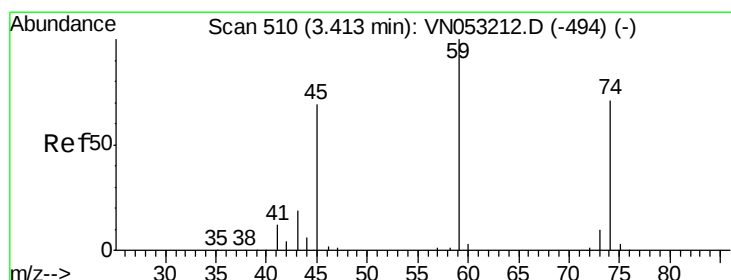
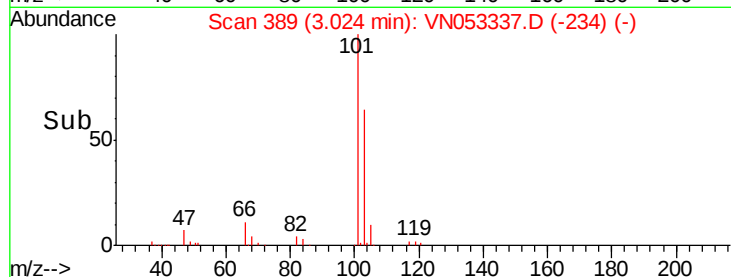
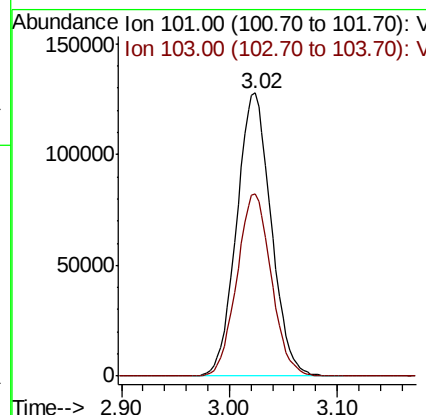
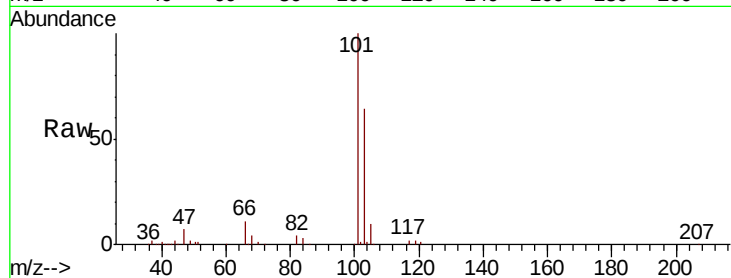


#7

Trichlorofluoromethane
 Concen: 19.845 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0110WBS01

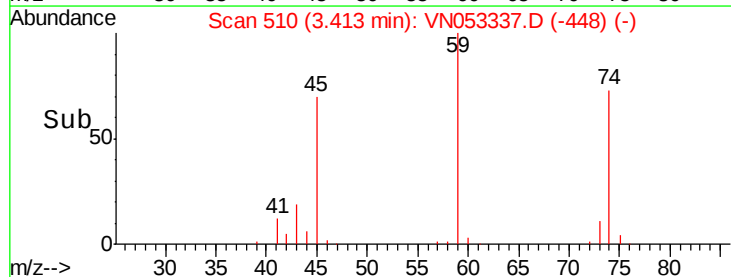
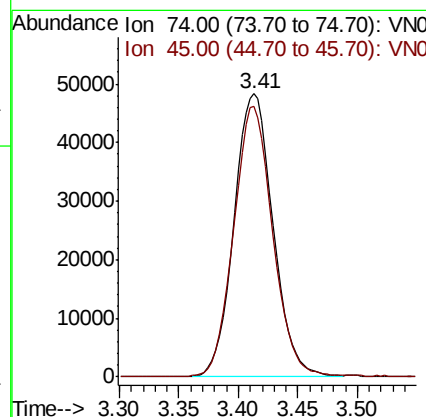
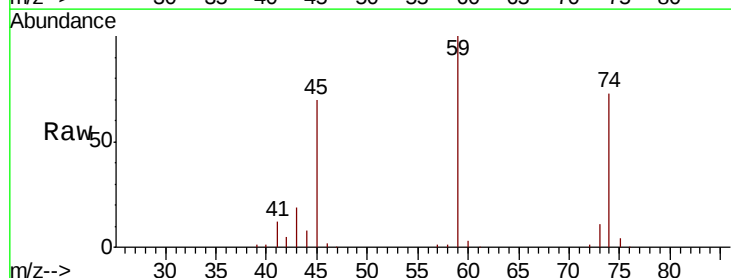
Tgt Ion: 101 Resp: 285150
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.1 78.1

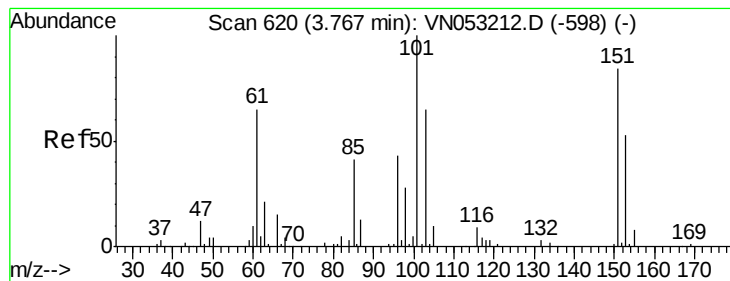


#8

Diethyl Ether
 Concen: 20.592 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

Tgt Ion: 74 Resp: 109926
 Ion Ratio Lower Upper
 74 100
 45 95.3 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.351 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS01

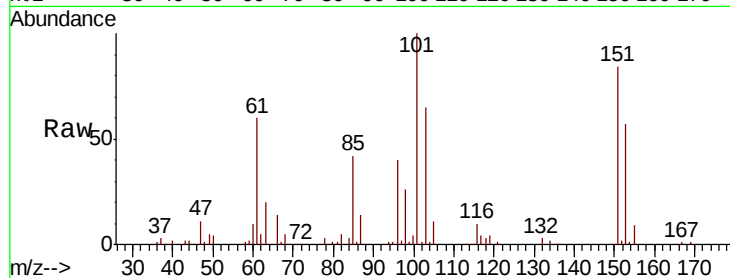
Tgt Ion: 101 Resp: 174693

Ion Ratio Lower Upper

101 100

85 41.8 0.0 82.6

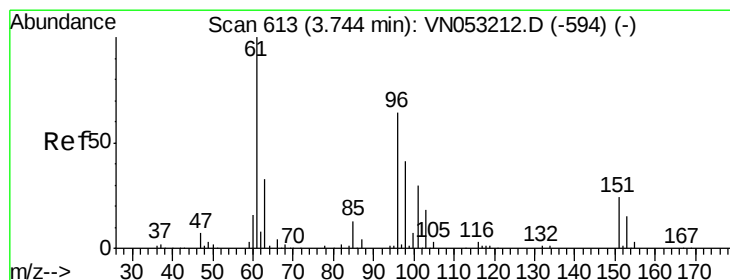
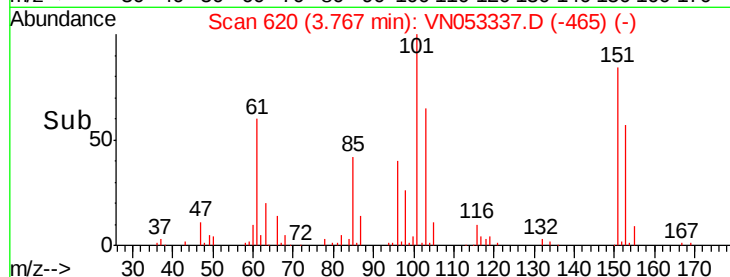
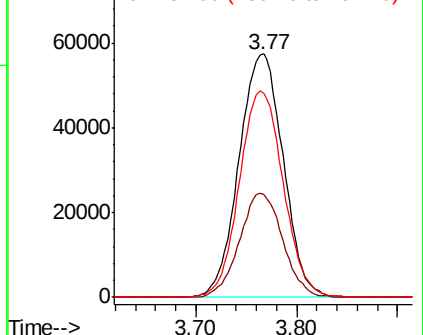
151 84.1 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.492 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

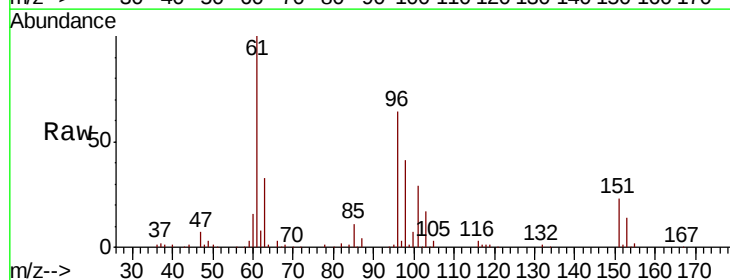
Tgt Ion: 96 Resp: 171725

Ion Ratio Lower Upper

96 100

61 156.5 129.4 194.2

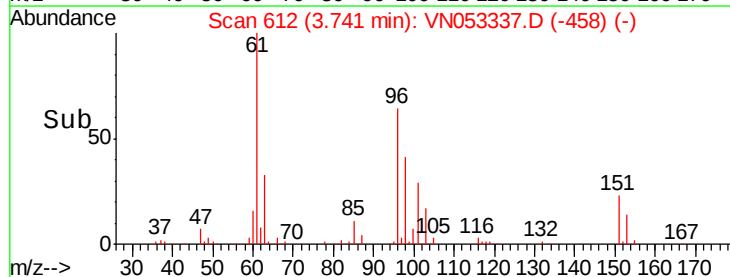
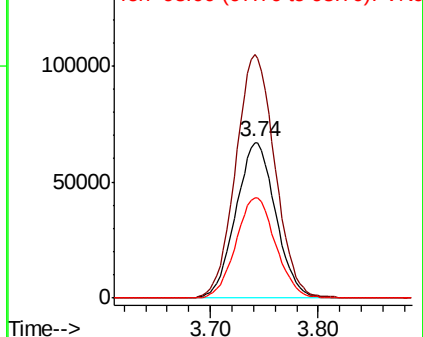
98 64.7 50.4 75.6

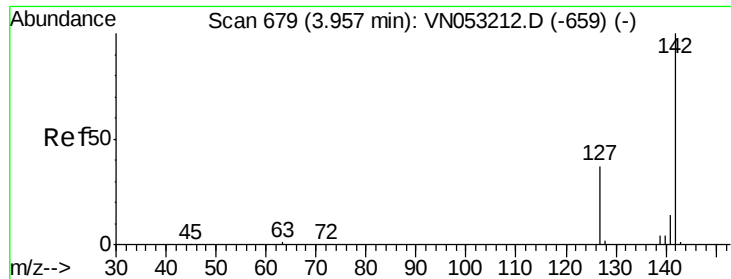


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

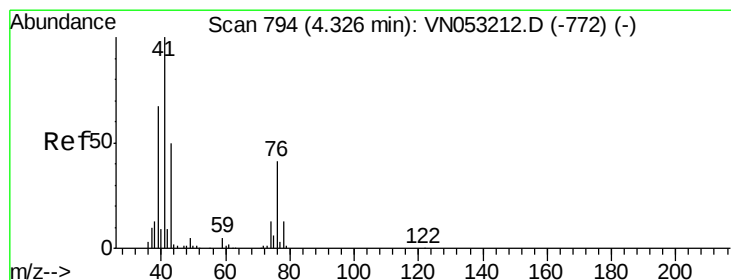
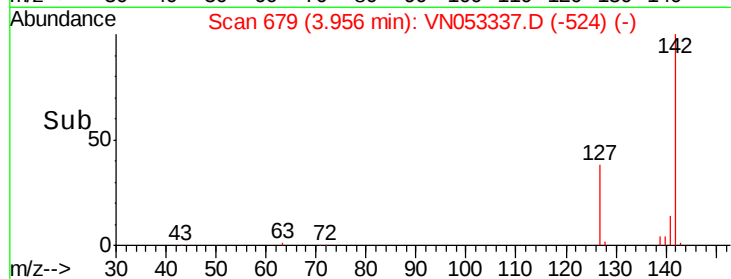
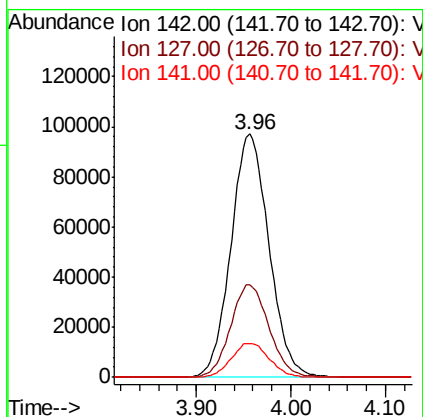
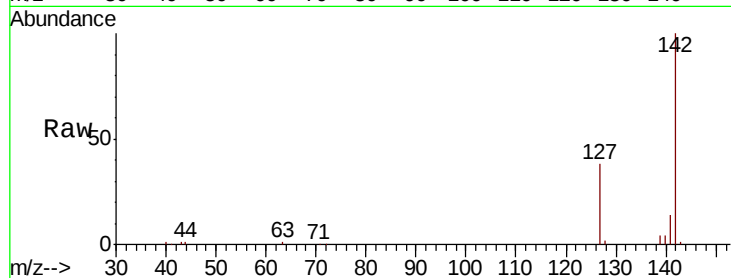




#11
Methyl Iodide
Concen: 21.030 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

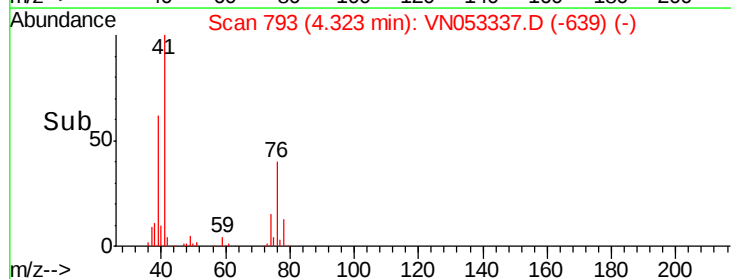
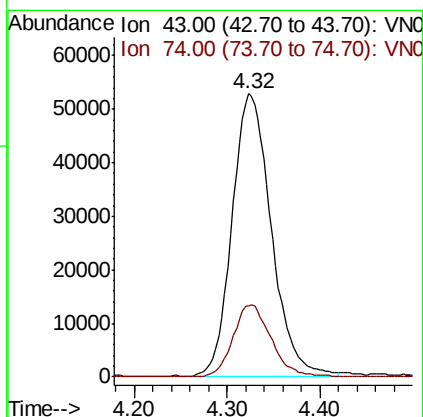
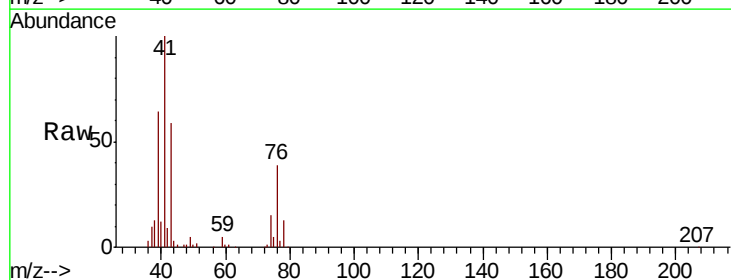
Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS01

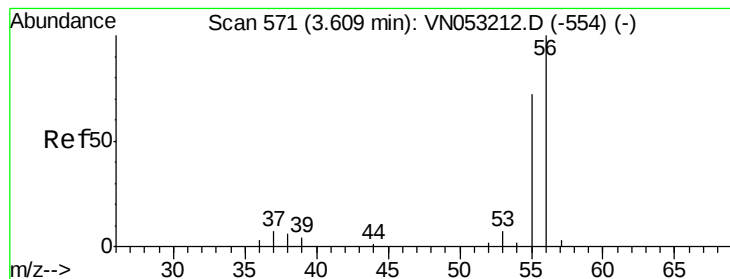
Tgt Ion: 142 Resp: 271325
Ion Ratio Lower Upper
142 100
127 38.1 19.4 58.1
141 14.1 7.2 21.6



#12
Methyl Acetate
Concen: 22.672 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Tgt Ion: 43 Resp: 155681
Ion Ratio Lower Upper
43 100
74 25.4 18.9 28.3





#13

Acrolein

Concen: 100.260 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

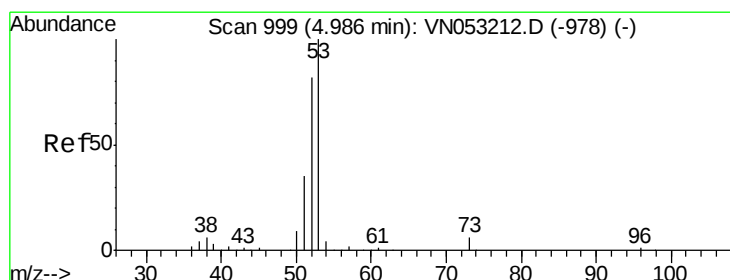
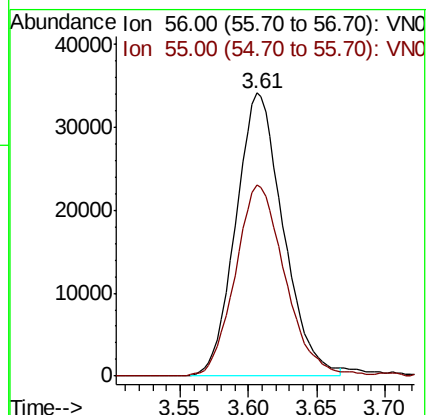
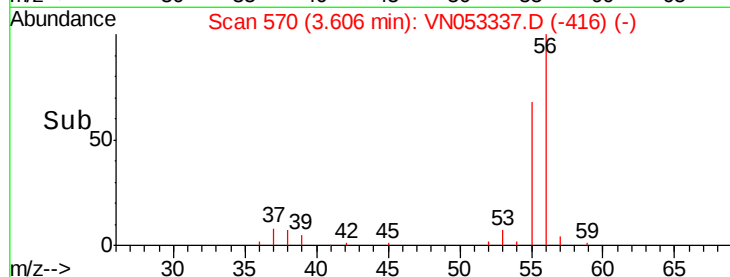
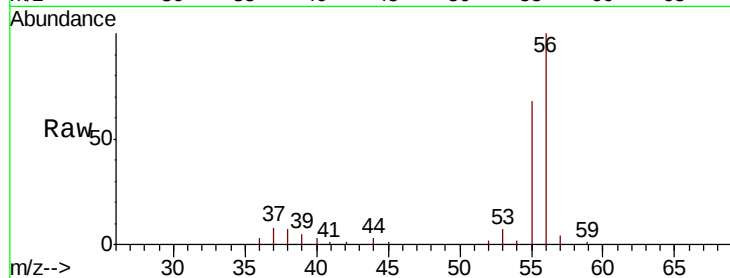
VN0110WBS01

Tgt Ion: 56 Resp: 82197

Ion Ratio Lower Upper

56 100

55 70.4 56.7 85.1



#14

Acrylonitrile

Concen: 110.631 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

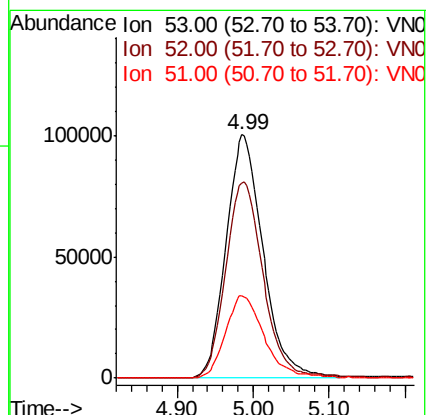
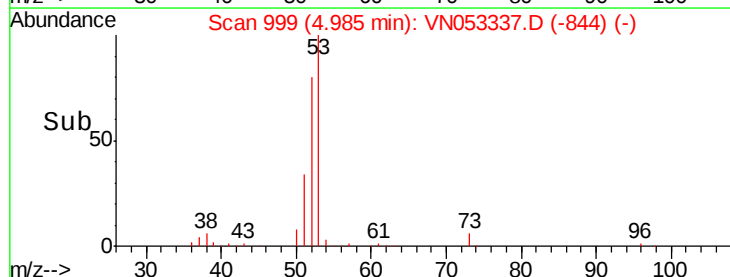
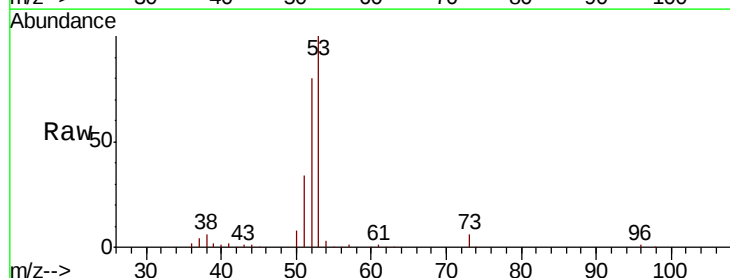
Tgt Ion: 53 Resp: 339854

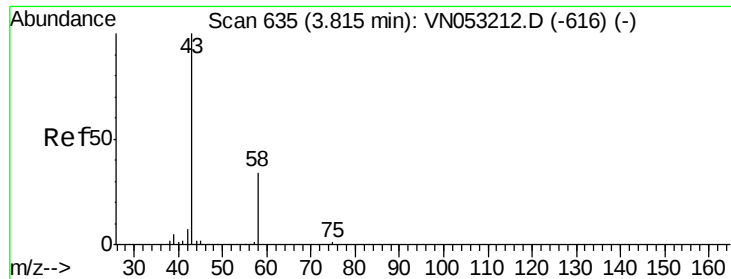
Ion Ratio Lower Upper

53 100

52 81.5 39.9 119.7

51 34.7 17.6 52.9





#15

Acetone

Concen: 120.656 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

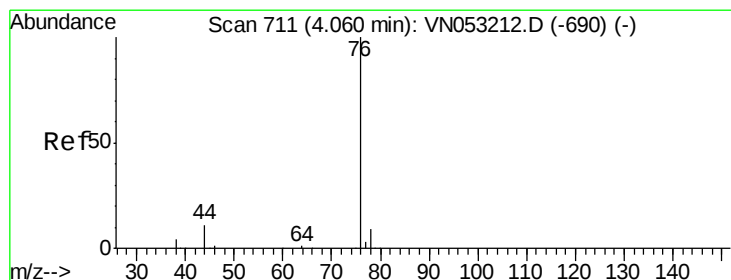
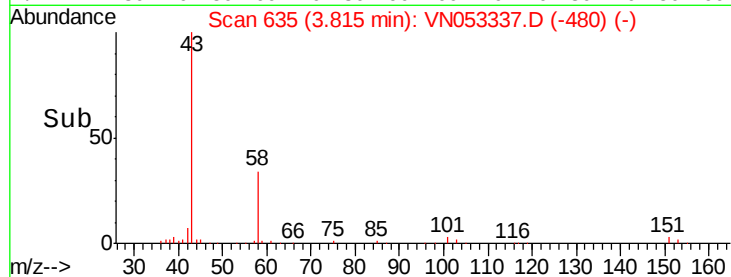
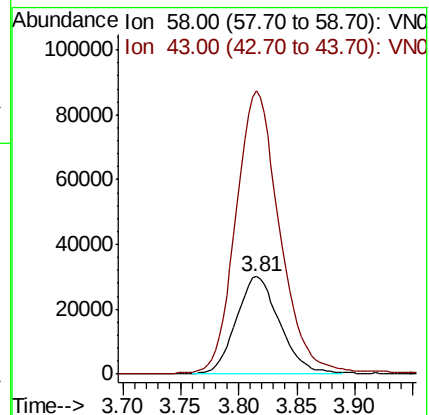
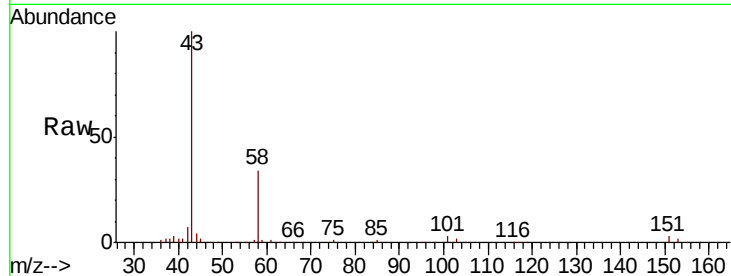
VN0110WBS01

Tgt Ion: 58 Resp: 78773

Ion Ratio Lower Upper

58 100

43 287.9 243.6 365.4



#16

Carbon Disulfide

Concen: 18.189 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053337.D

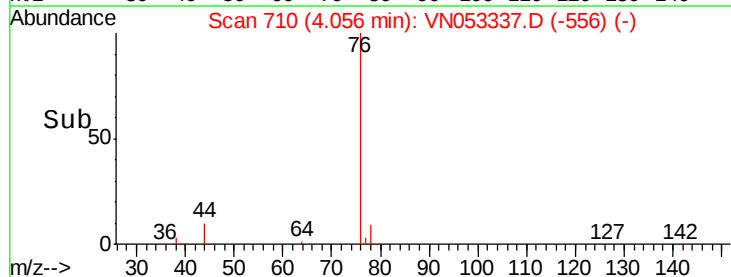
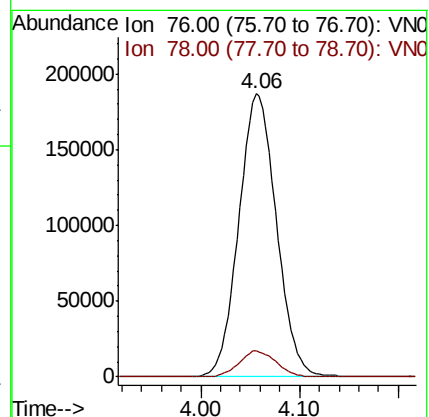
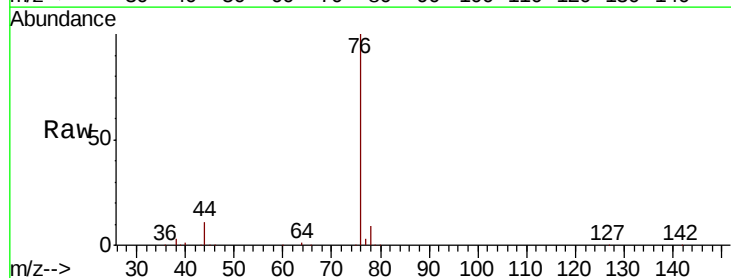
Acq: 10 Jan 2019 13:14

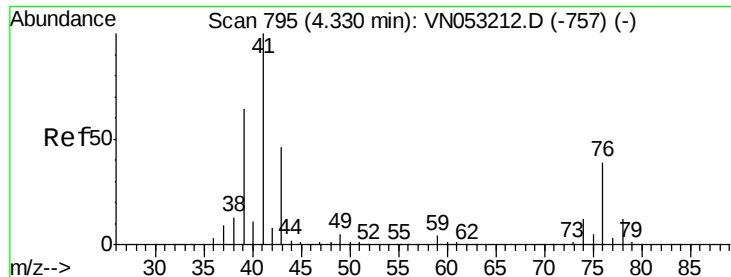
Tgt Ion: 76 Resp: 492963

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#17

Allyl chloride

Concen: 20.062 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS01

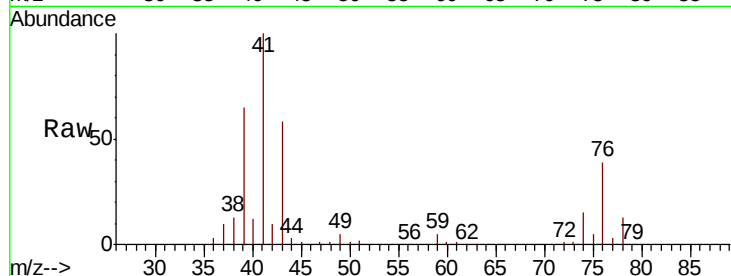
Tgt Ion: 41 Resp: 278050

Ion Ratio Lower Upper

41 100

39 64.7 32.8 98.3

76 39.1 18.6 55.8

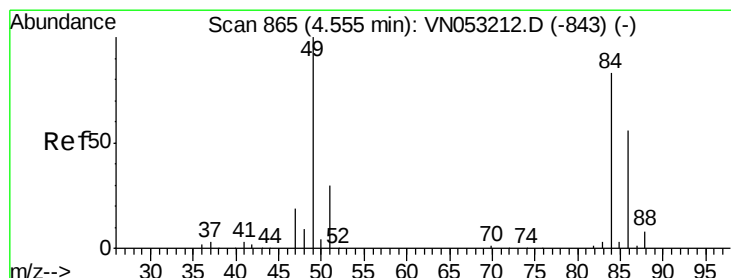
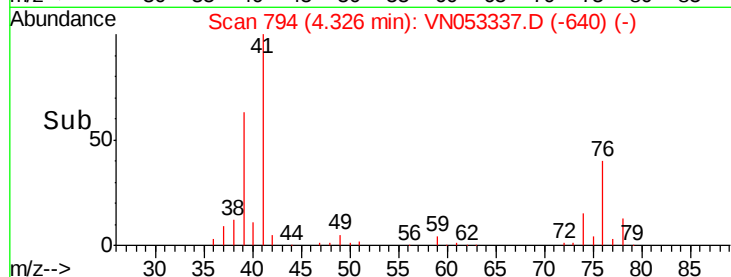
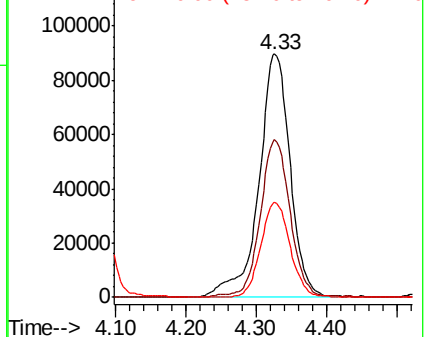


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 20.169 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Tgt Ion: 84 Resp: 203360

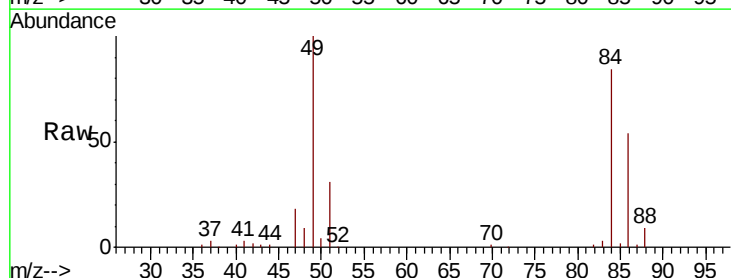
Ion Ratio Lower Upper

84 100

49 118.7 101.4 152.0

51 36.6 31.7 47.5

86 64.2 50.1 75.1



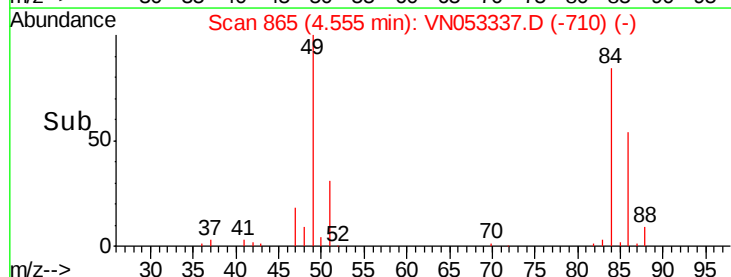
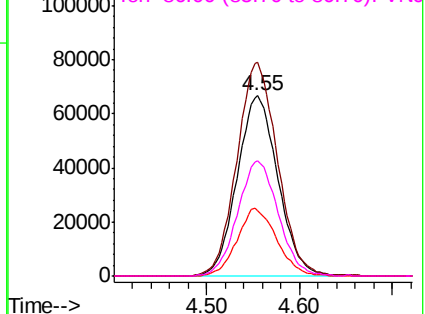
Abundance

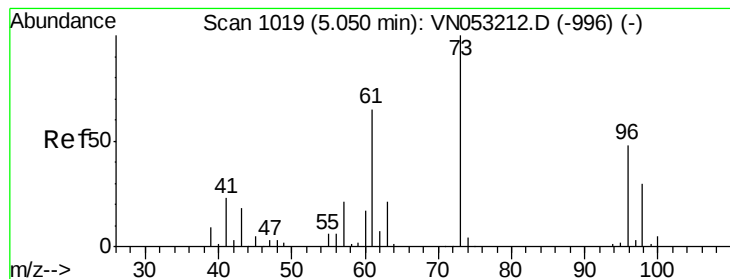
Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#19

trans-1,2-Dichloroethene

Concen: 19.605 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

VN0110WBS01

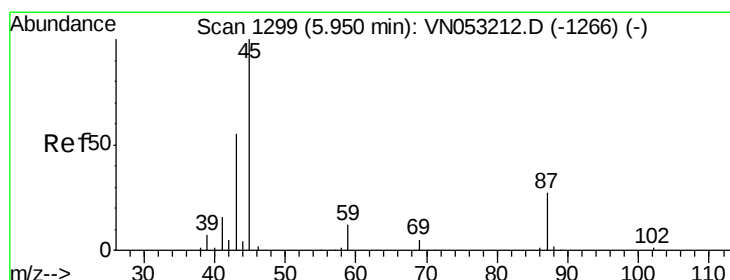
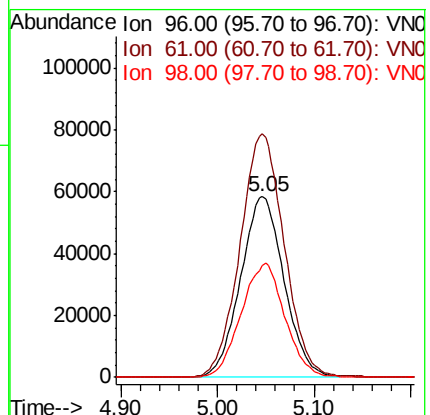
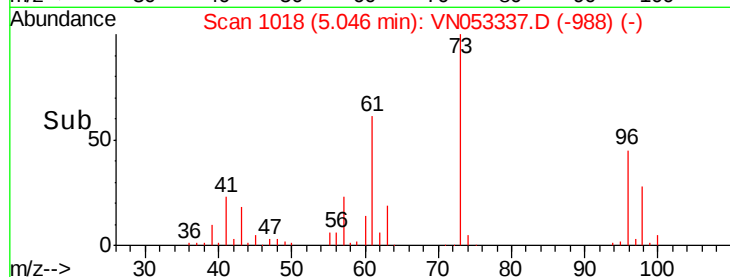
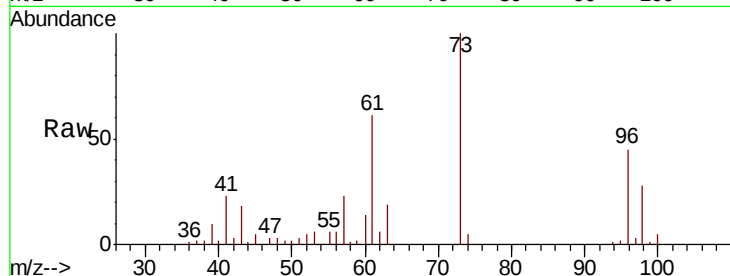
Tgt Ion: 96 Resp: 182532

Ion Ratio Lower Upper

96 100

61 134.2 118.2 177.4

98 61.9 51.4 77.2



#20

Diisopropyl ether

Concen: 20.381 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Tgt Ion: 45 Resp: 604948

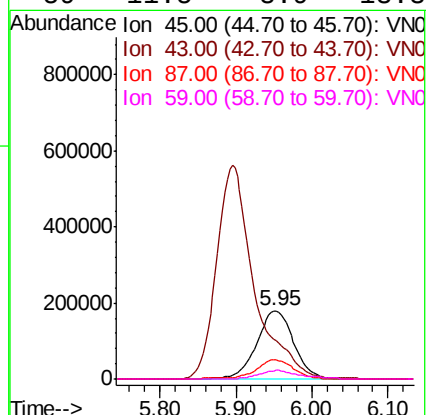
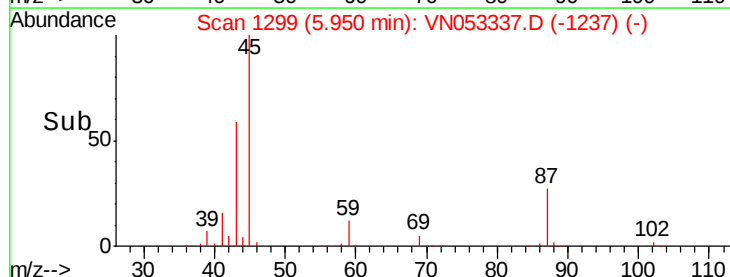
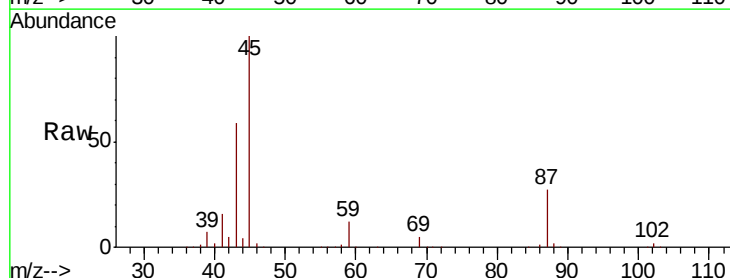
Ion Ratio Lower Upper

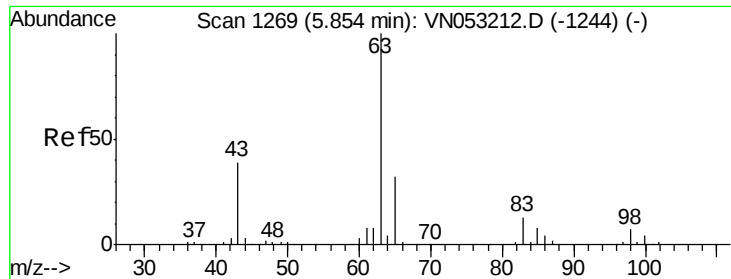
45 100

43 57.1 47.8 71.8

87 27.2 21.3 31.9

59 11.5 8.9 13.3

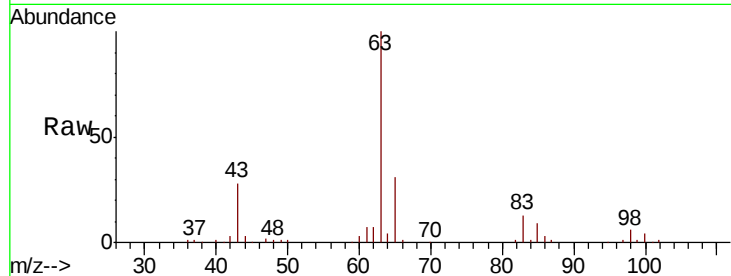




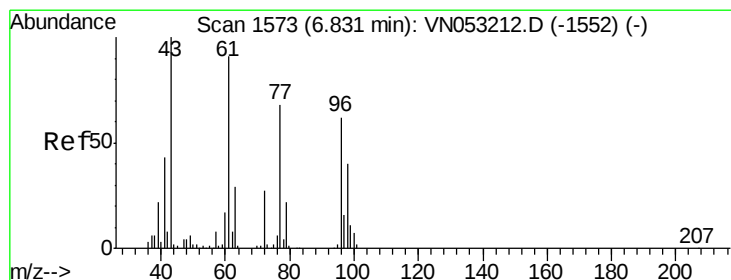
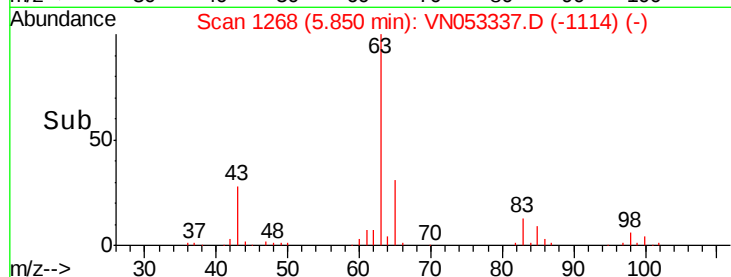
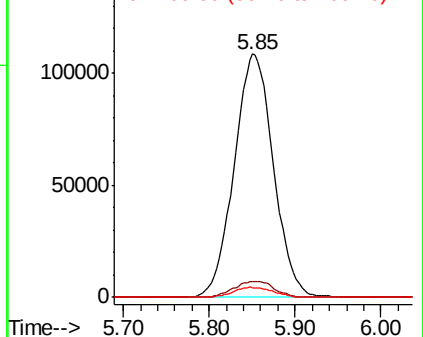
#21
 1,1-Dichloroethane
 Concen: 19.872 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0110WBS01

Tgt Ion: 63 Resp: 343416
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.0 9.2
 100 4.1 1.8 5.5

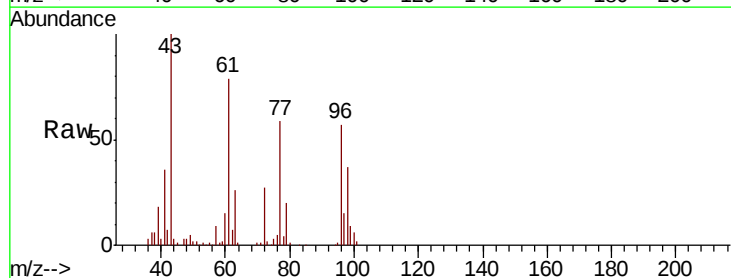


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

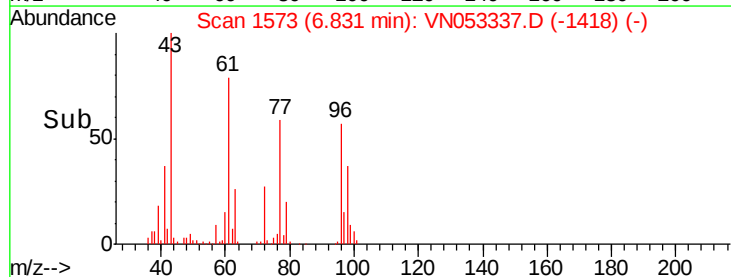
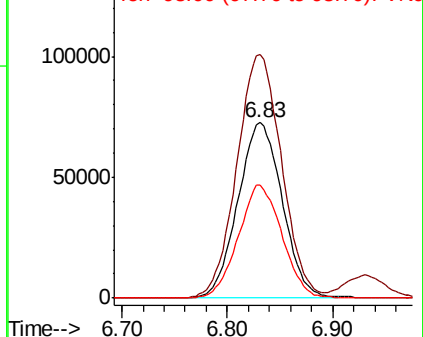


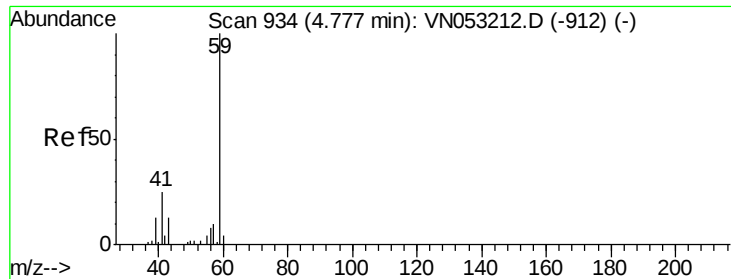
#22
 cis-1,2-Dichloroethene
 Concen: 20.255 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

Tgt Ion: 96 Resp: 212432
 Ion Ratio Lower Upper
 96 100
 61 139.9 116.7 175.1
 98 63.6 50.8 76.2



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



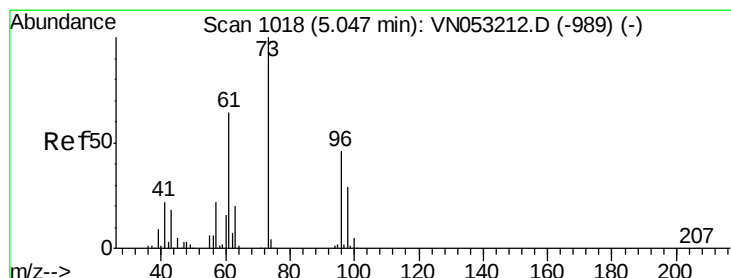
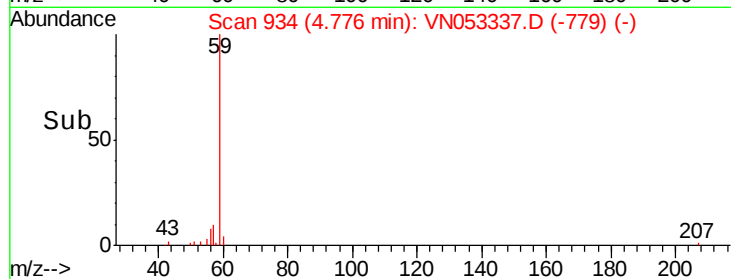
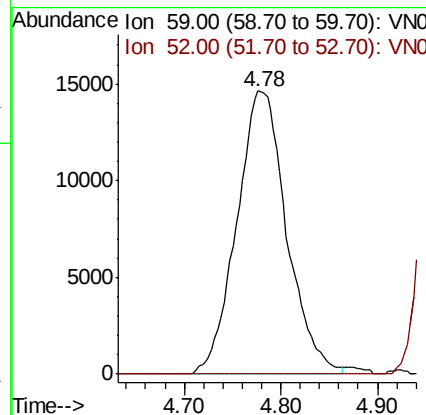
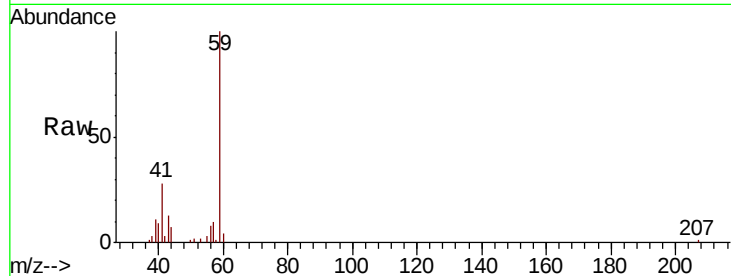


#23

tert-Butyl Alcohol
 Concen: 101.115 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS01

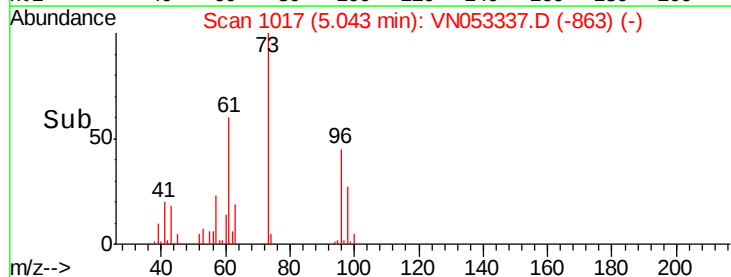
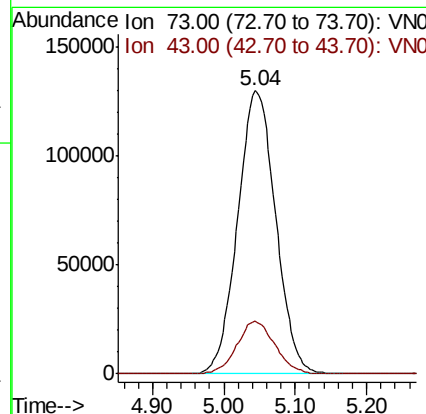
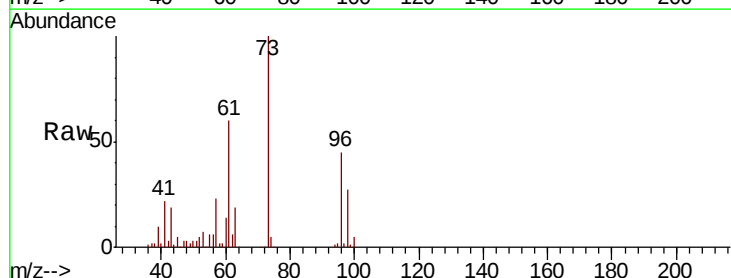
Tgt Ion: 59 Resp: 52363
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

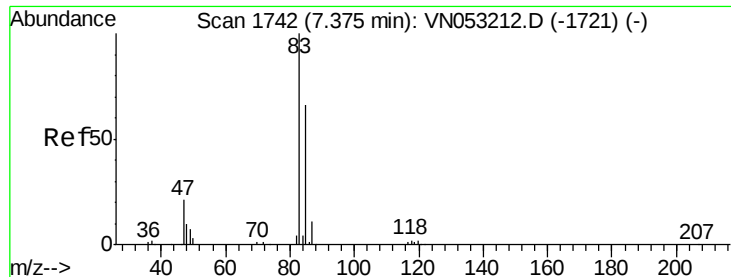


#24

Methyl tert-Butyl Ether
 Concen: 20.966 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

Tgt Ion: 73 Resp: 481656
 Ion Ratio Lower Upper
 73 100
 43 18.7 15.8 23.8





#25

Chloroform

Concen: 20.357 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

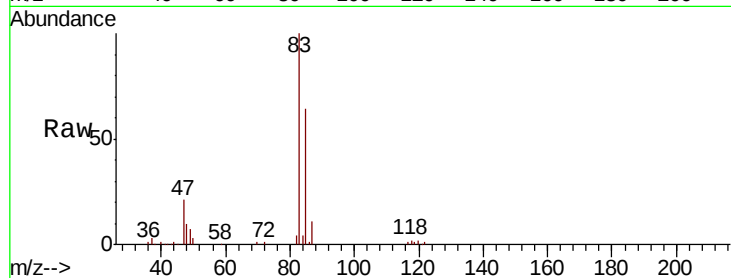
VN0110WBS01

Tgt Ion: 83 Resp: 338165

Ion Ratio Lower Upper

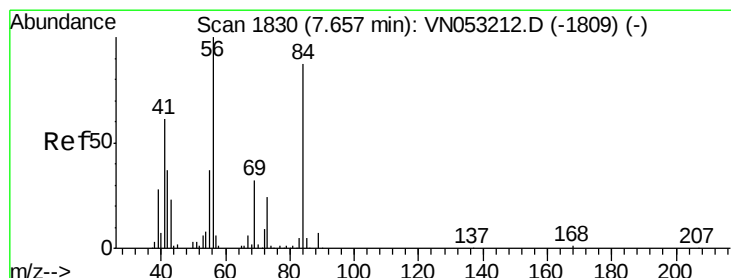
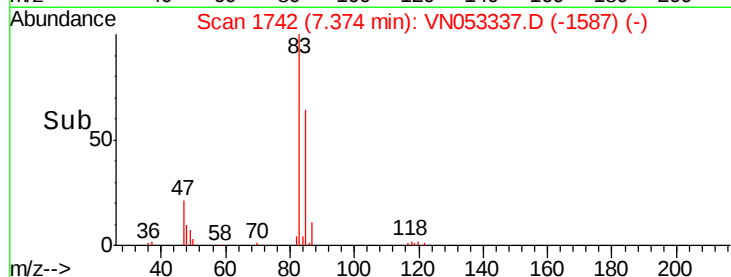
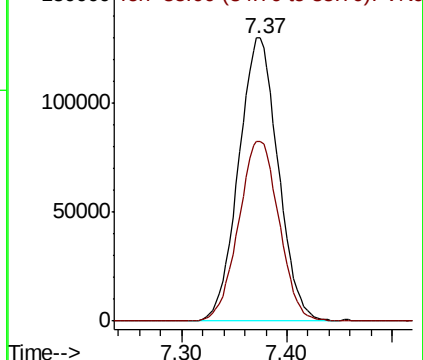
83 100

85 63.6 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 19.142 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

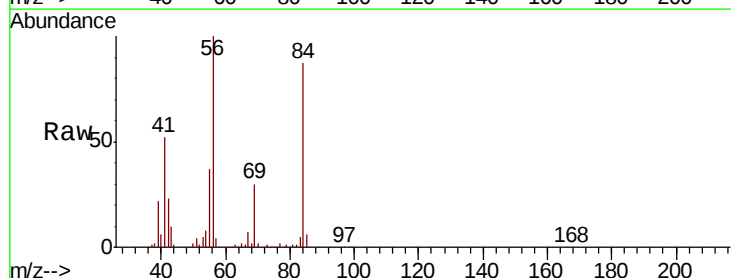
Tgt Ion: 56 Resp: 308549

Ion Ratio Lower Upper

56 100

89 0.0 0.5 0.7#

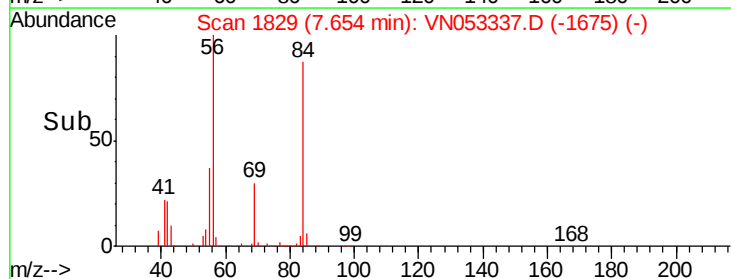
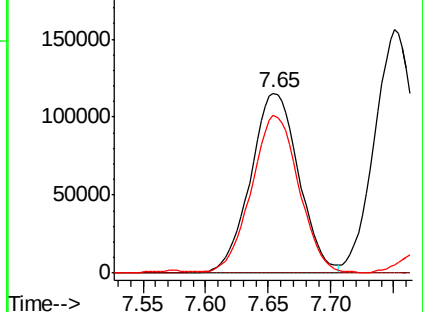
84 86.6 66.2 99.2

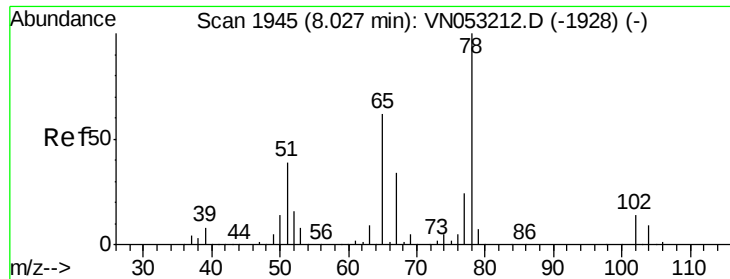


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 19.142 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

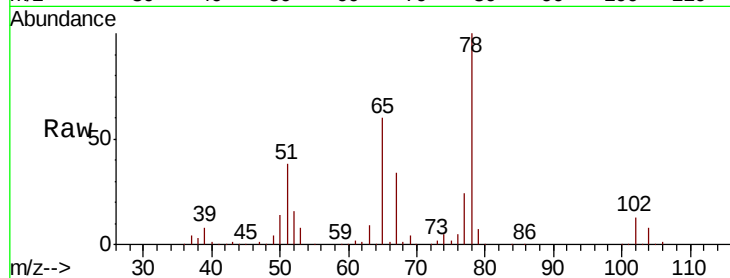
VN0110WBS01

Tgt Ion: 65 Resp: 288489

Ion Ratio Lower Upper

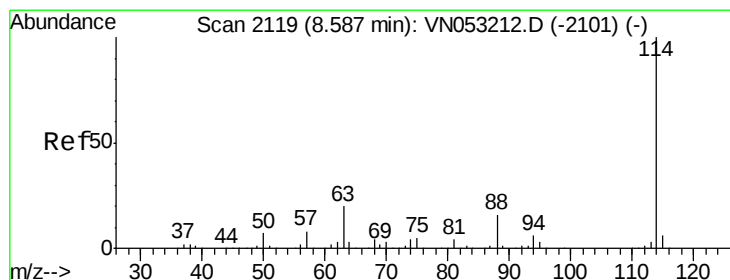
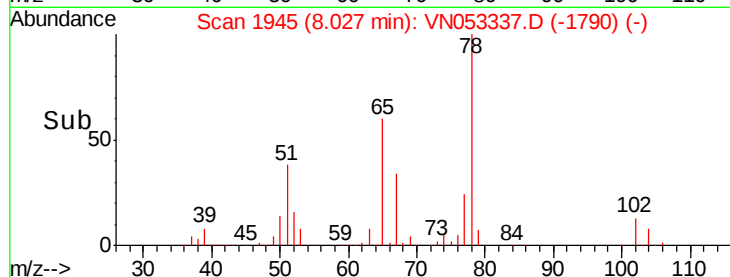
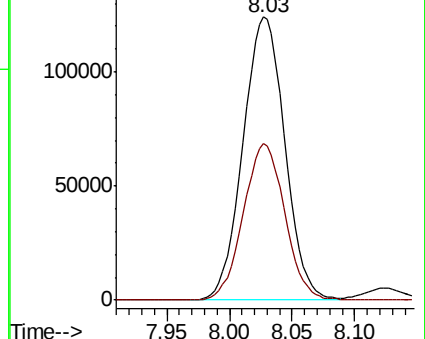
65 100

67 54.6 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

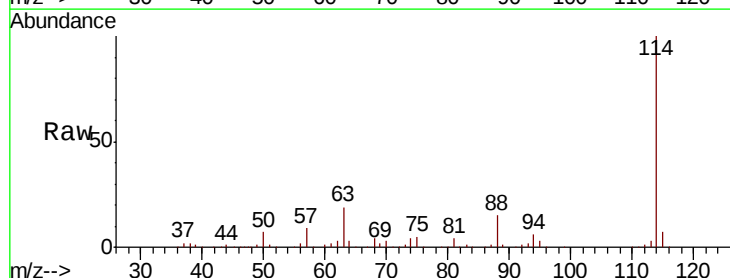
Tgt Ion: 114 Resp: 864933

Ion Ratio Lower Upper

114 100

63 19.3 16.9 25.3

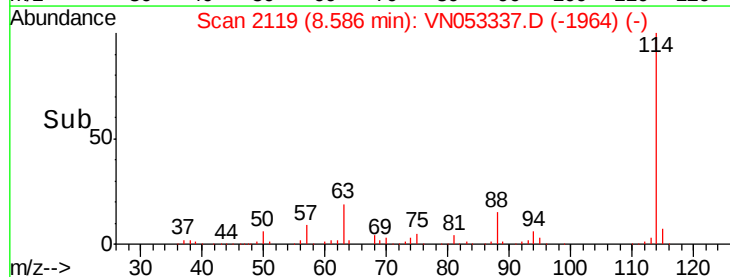
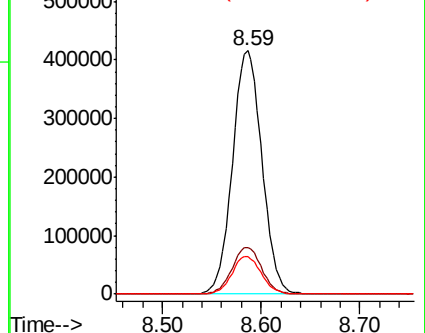
88 15.4 12.8 19.2

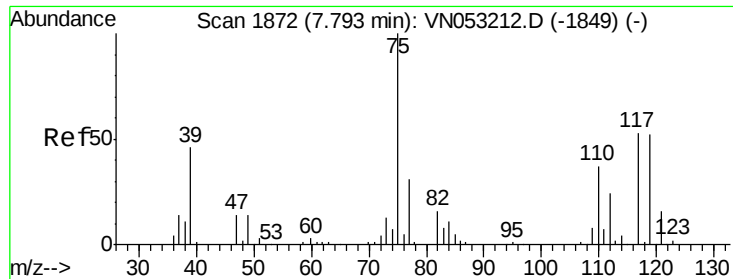


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

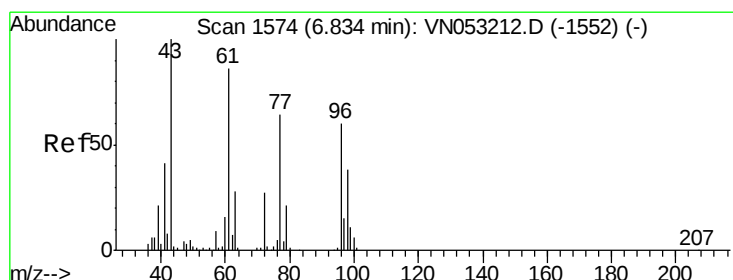
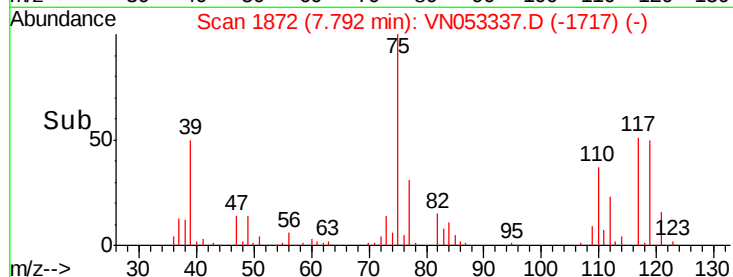
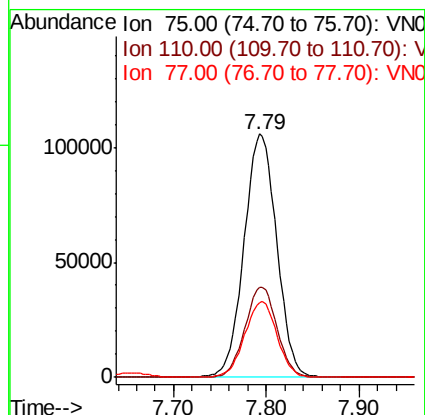
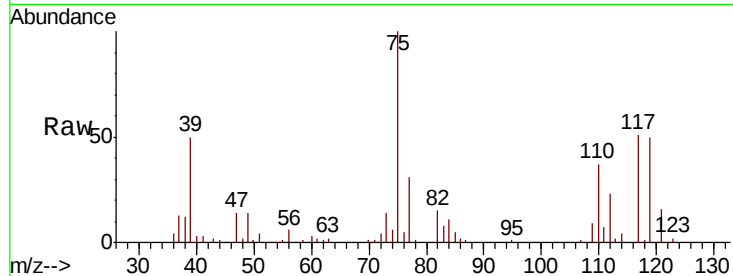




#29
 1,1-Dichloropropene
 Concen: 19.748 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

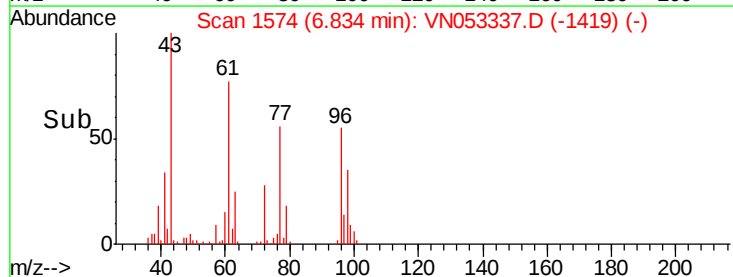
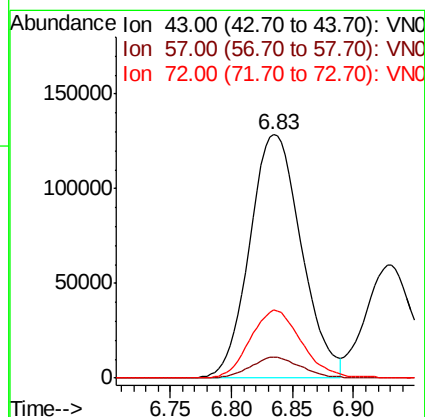
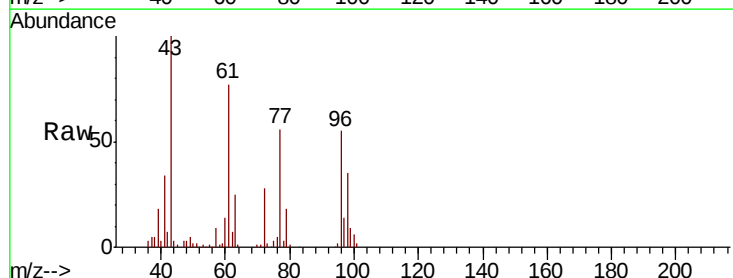
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS01

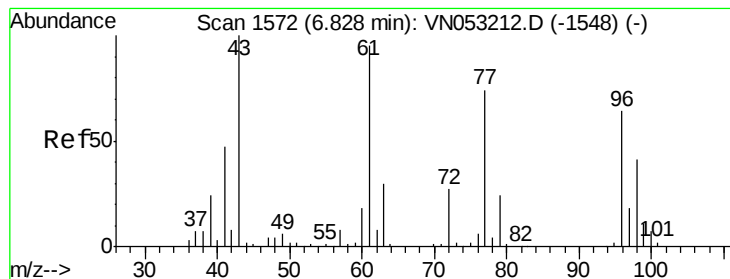
Tgt Ion: 75 Resp: 258739
 Ion Ratio Lower Upper
 75 100
 110 36.4 0.0 70.2
 77 30.6 0.0 62.6



#30
 2-Butanone
 Concen: 115.424 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

Tgt Ion: 43 Resp: 377280
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.2 9.4
 72 28.0 21.0 31.6





#31

2,2-Dichloropropane

Concen: 19.344 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

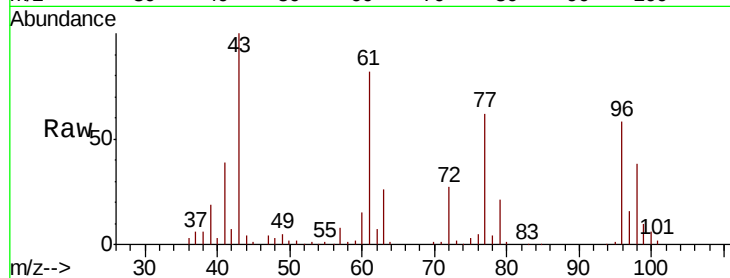
VN0110WBS01

Tgt Ion: 77 Resp: 245354

Ion Ratio Lower Upper

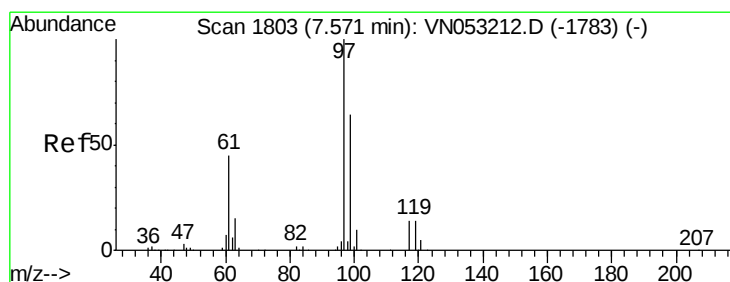
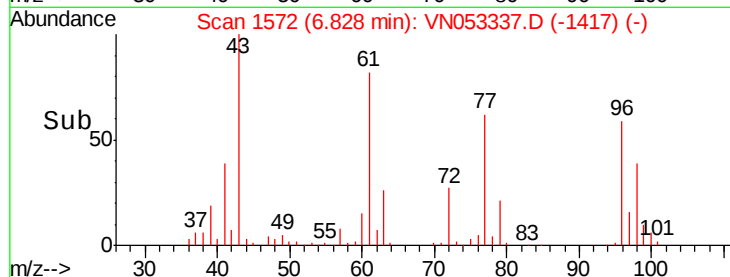
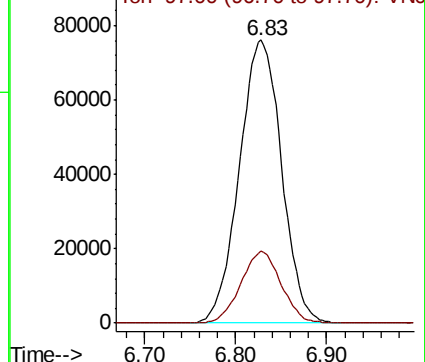
77 100

97 24.2 18.7 28.1



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.251 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

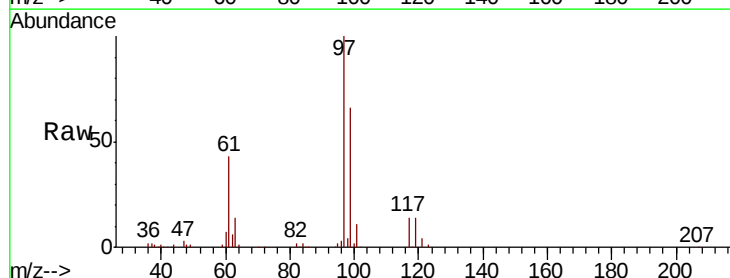
Tgt Ion: 97 Resp: 277993

Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

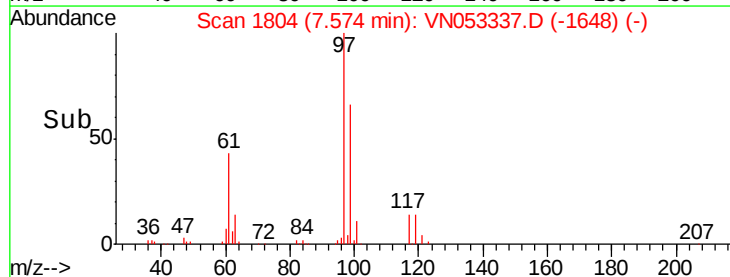
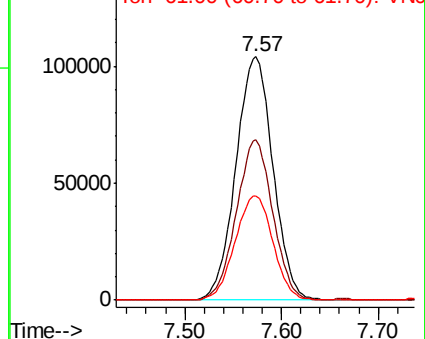
61 43.7 38.1 57.1

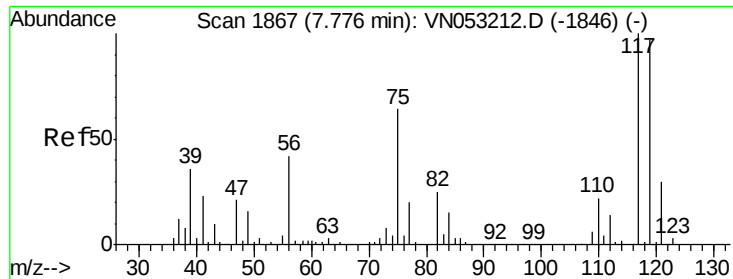


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

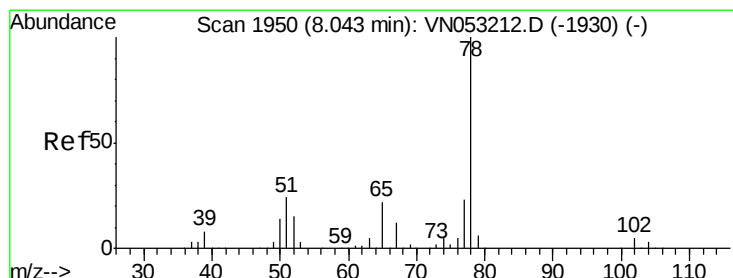
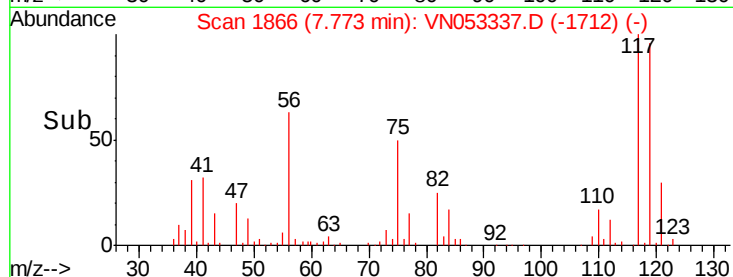
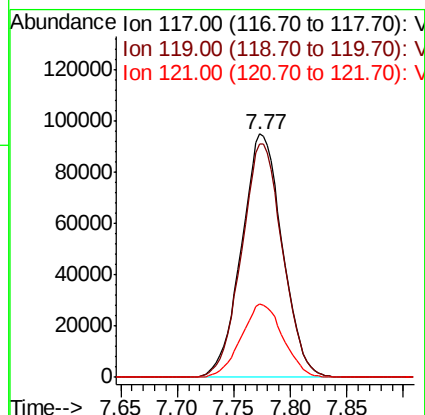
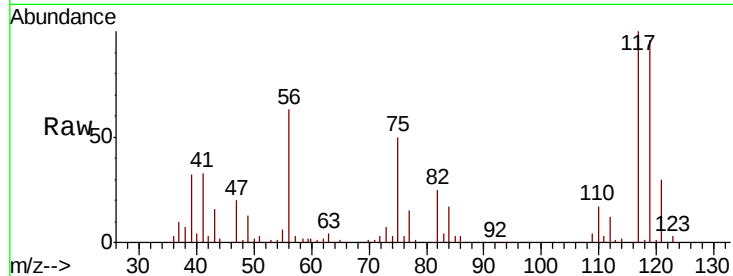




#33
Carbon Tetrachloride
Concen: 19.805 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

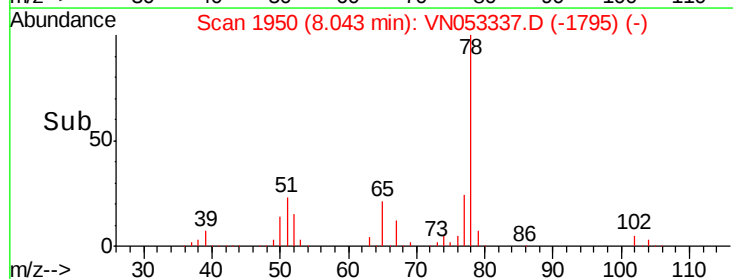
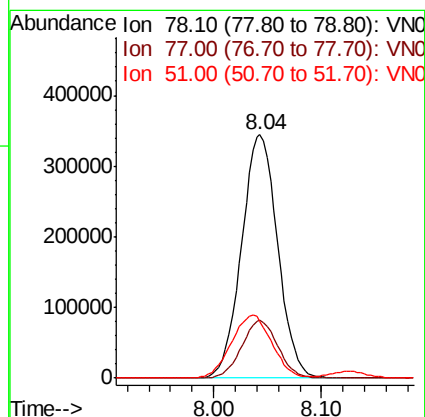
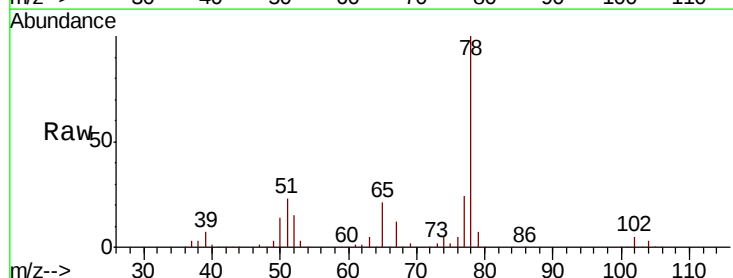
Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS01

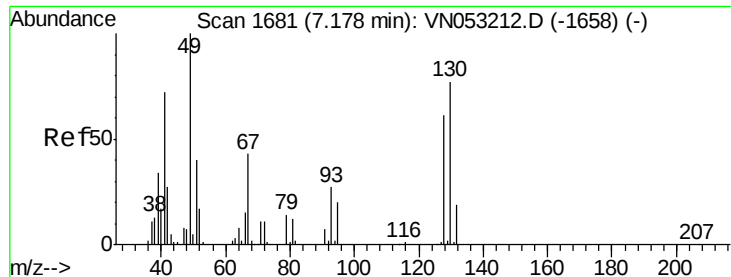
Tgt Ion: 117 Resp: 237971
Ion Ratio Lower Upper
117 100
119 96.1 77.3 115.9
121 29.9 24.9 37.3



#34
Benzene
Concen: 20.377 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Tgt Ion: 78 Resp: 802344
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6
51 23.3 20.5 30.7

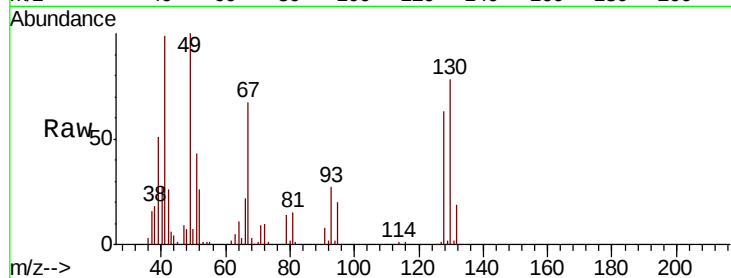




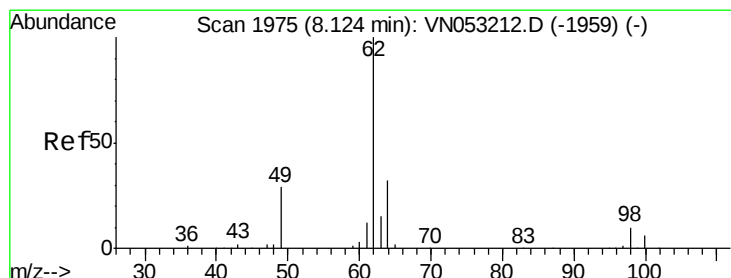
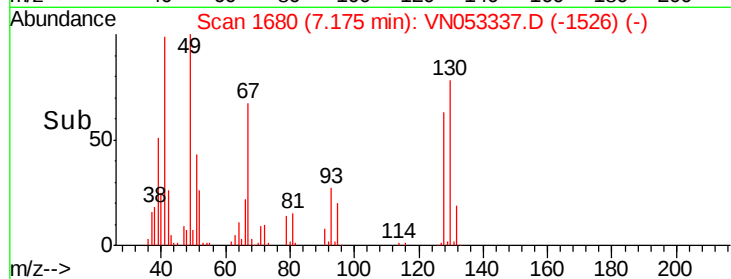
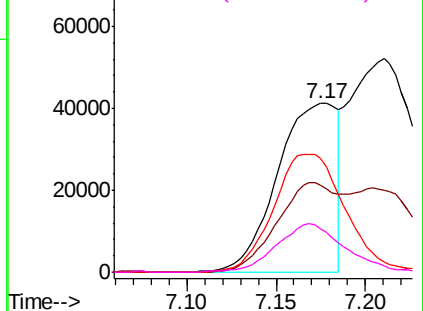
#35
Methacrylonitrile
Concen: 22.732 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS01

Tgt Ion:	41	Resp:	95880
Ion	Ratio	Lower	Upper
41	100		
39	51.5	26.6	79.7
67	67.3	32.3	96.9
52	26.1	13.0	38.9

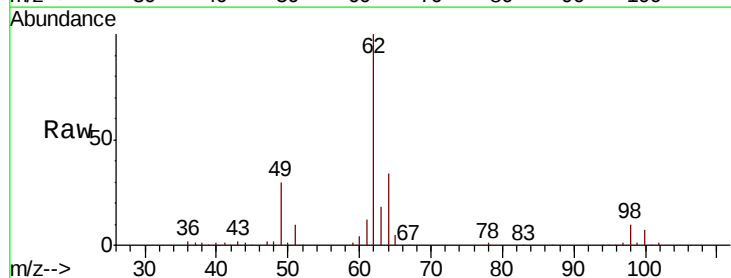


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

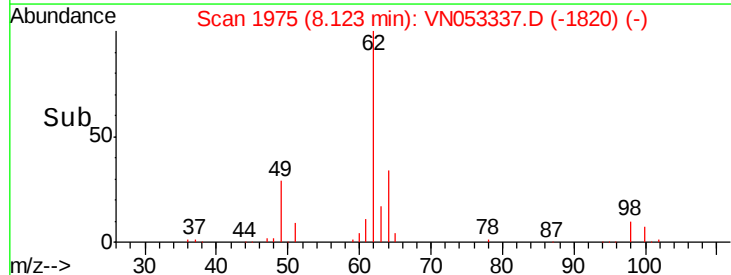
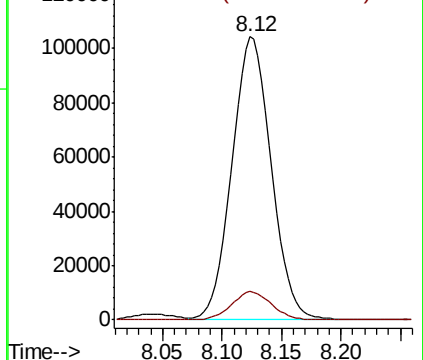


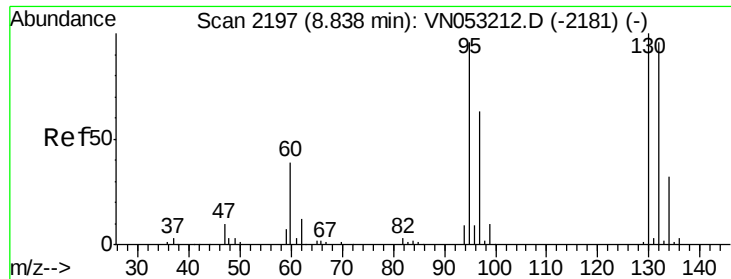
#36
1,2-Dichloroethane
Concen: 20.795 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Tgt Ion:	62	Resp:	237698
Ion	Ratio	Lower	Upper
62	100		
98	10.2	7.4	11.2



Abundance Ion 62.00 (61.70 to 62.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

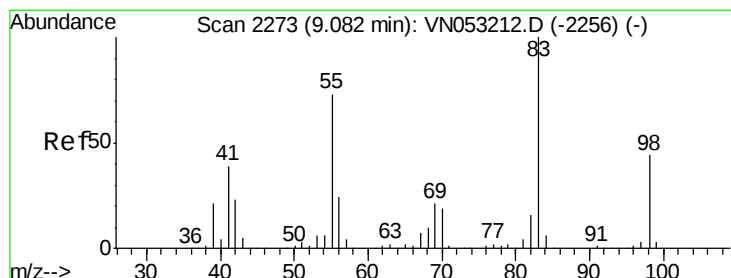
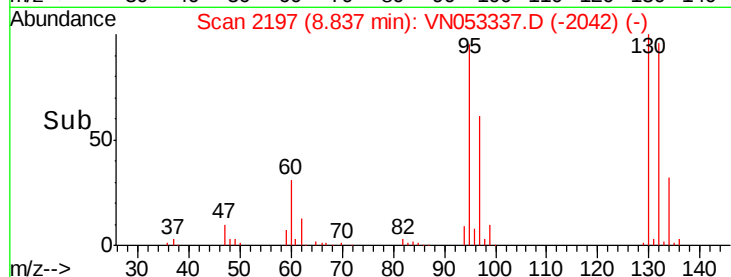
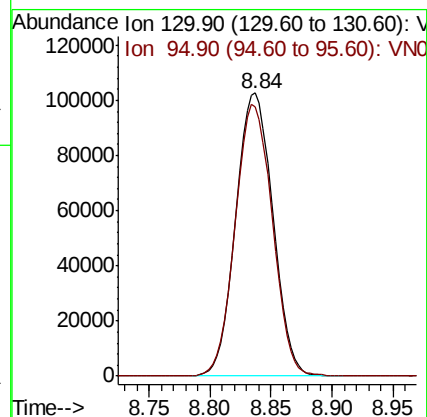
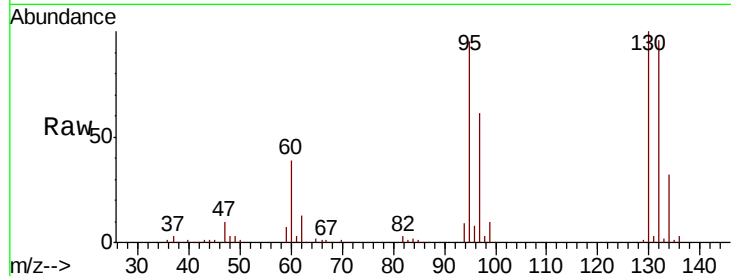




#37
 Trichloroethene
 Concen: 20.296 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

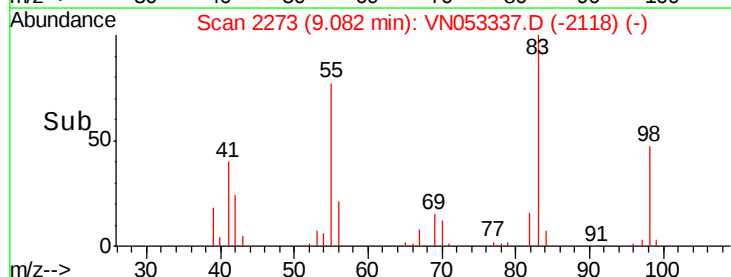
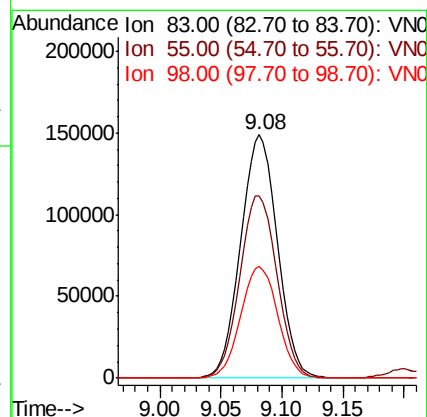
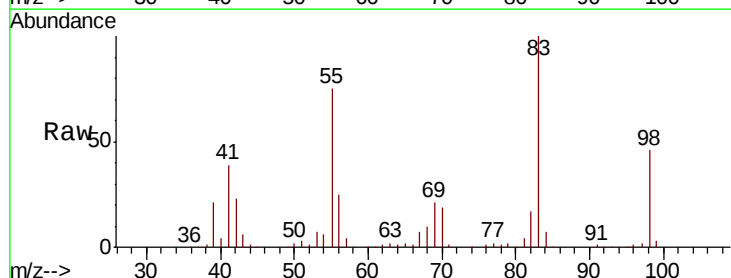
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS01

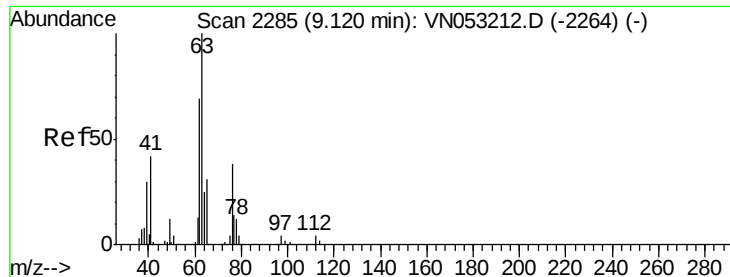
Tgt Ion: 130 Resp: 216486
 Ion Ratio Lower Upper
 130 100
 95 95.3 81.0 121.4



#38
 Methylcyclohexane
 Concen: 20.255 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

Tgt Ion: 83 Resp: 310387
 Ion Ratio Lower Upper
 83 100
 55 76.1 39.8 119.4
 98 46.4 22.9 68.5

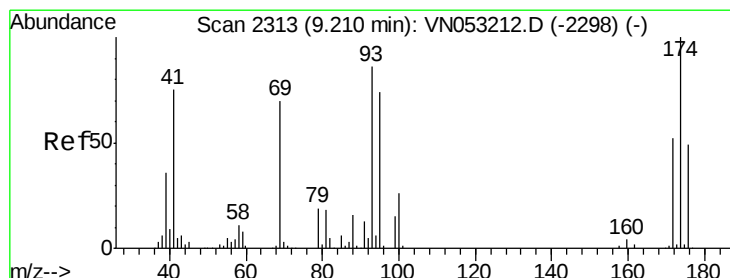
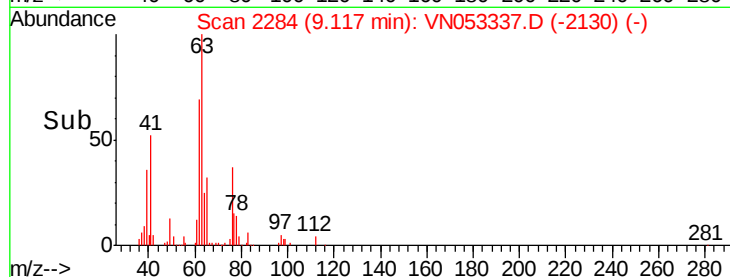
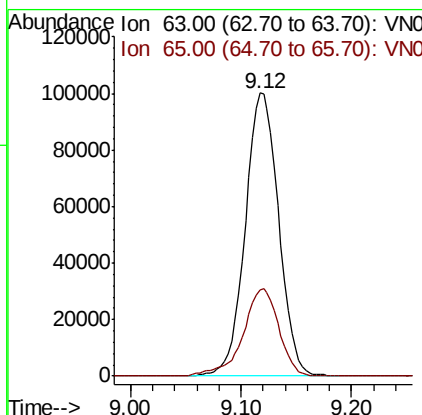
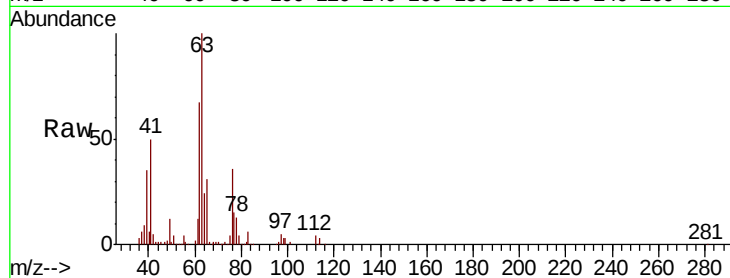




#39
 1,2-Dichloropropane
 Concen: 20.421 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

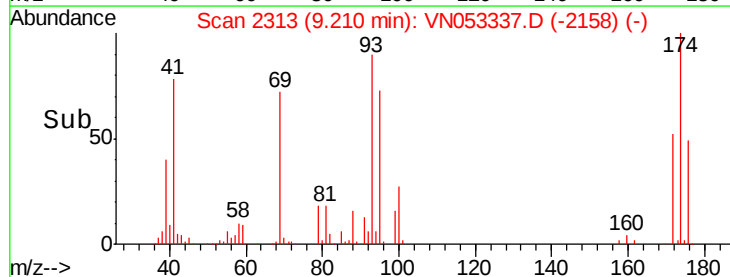
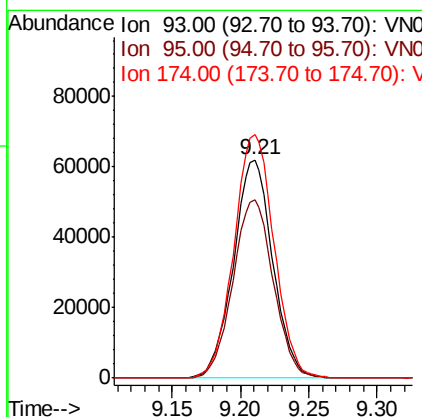
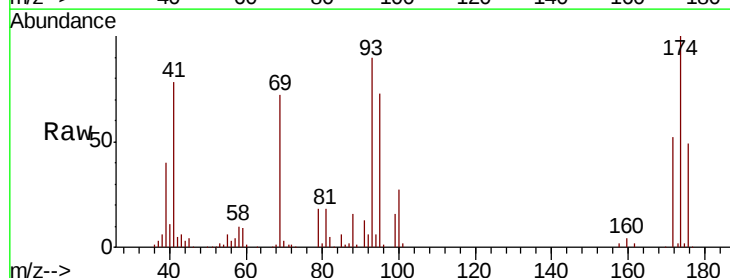
Instrument :
 MSVOA_N
 ClientSampled :
 VN0110WBS01

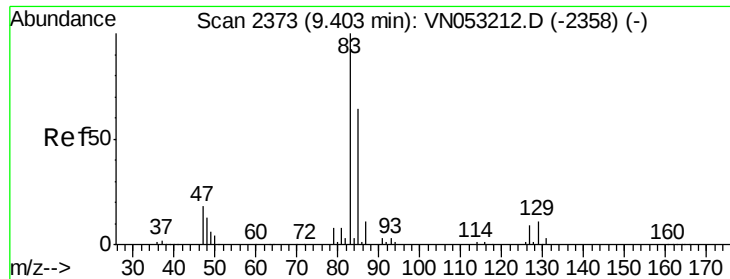
Tgt Ion: 63 Resp: 209963
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.6 35.4



#40
 Dibromomethane
 Concen: 21.336 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

Tgt Ion: 93 Resp: 124060
 Ion Ratio Lower Upper
 93 100
 95 83.9 0.0 168.4
 174 114.4 0.0 210.0





#41

Bromodichloromethane

Concen: 20.390 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS01

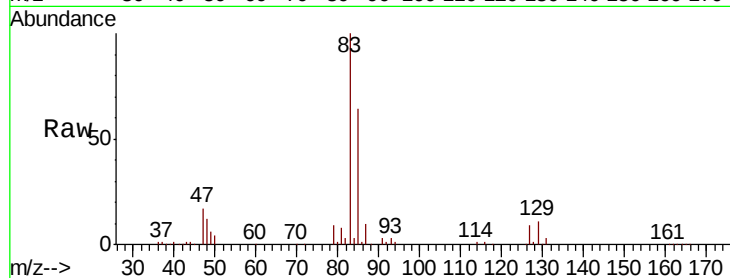
Tgt Ion: 83 Resp: 254606

Ion Ratio Lower Upper

83 100

85 64.1 52.4 78.6

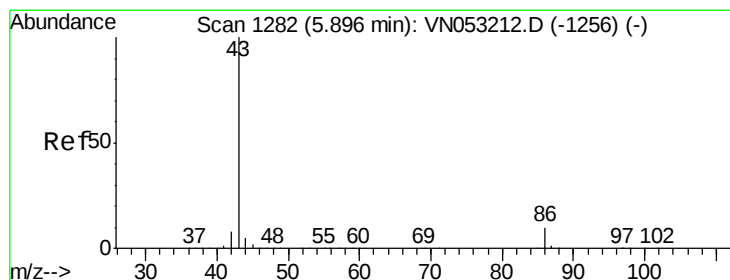
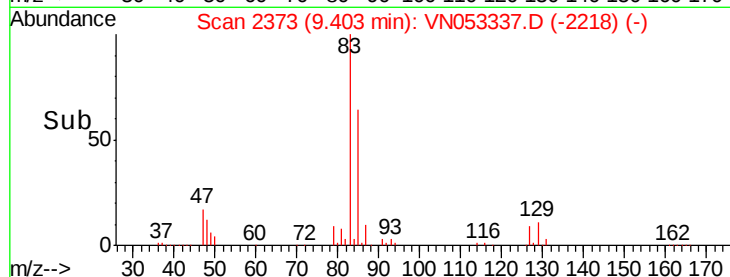
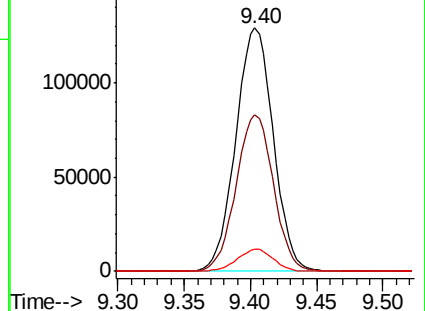
127 9.1 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 108.497 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN053337.D

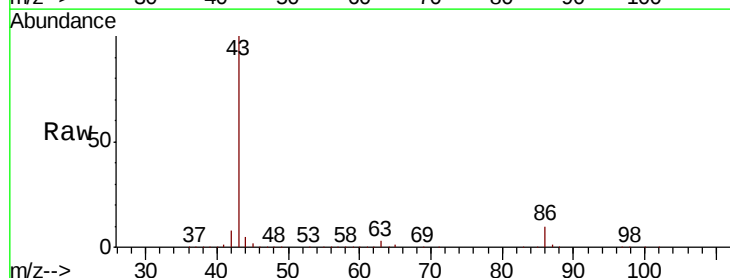
Acq: 10 Jan 2019 13:14

Tgt Ion: 43 Resp: 1934789

Ion Ratio Lower Upper

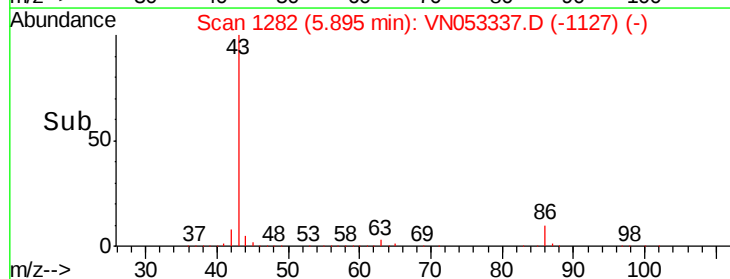
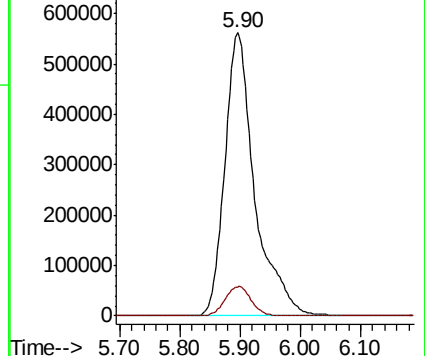
43 100

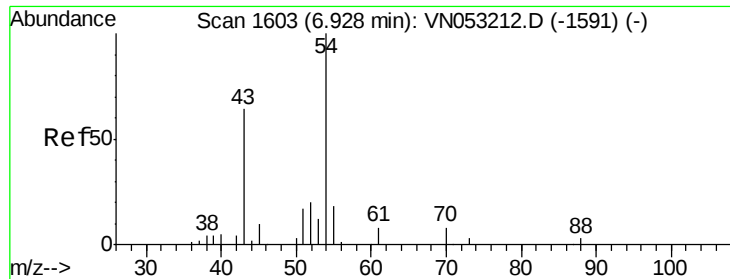
86 9.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

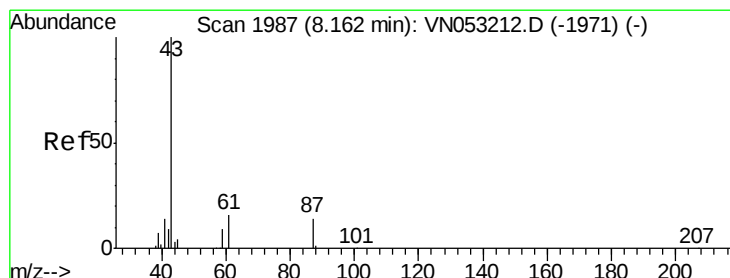
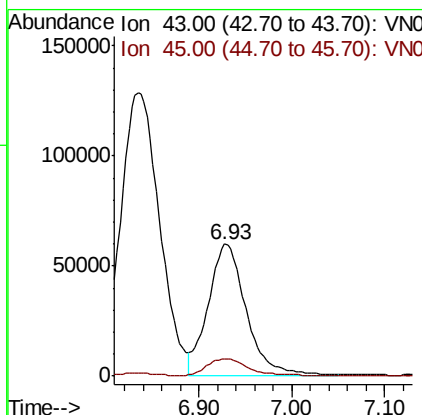
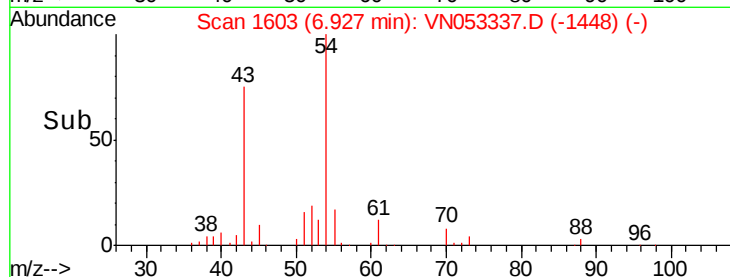
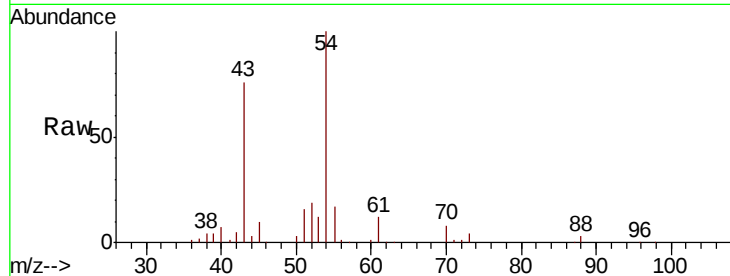




#43
Ethyl Acetate
Concen: 23.169 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

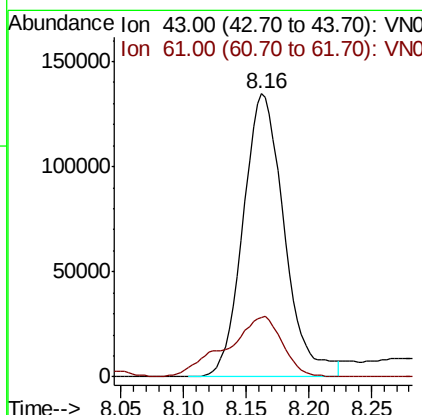
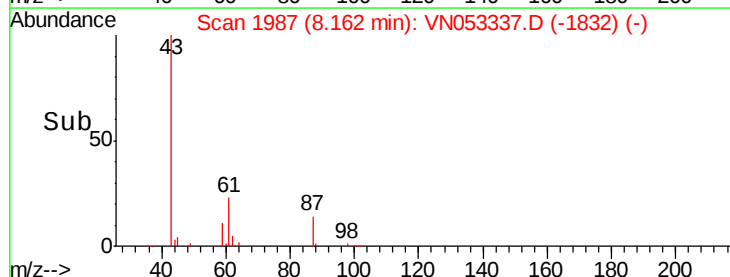
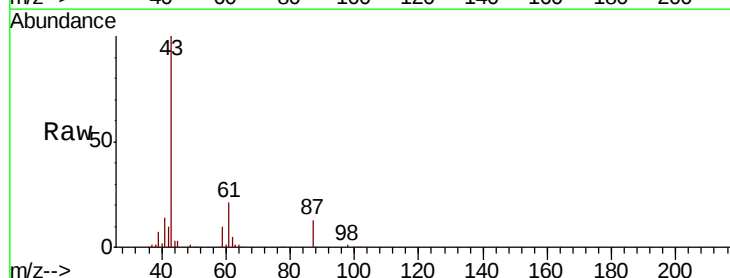
Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS01

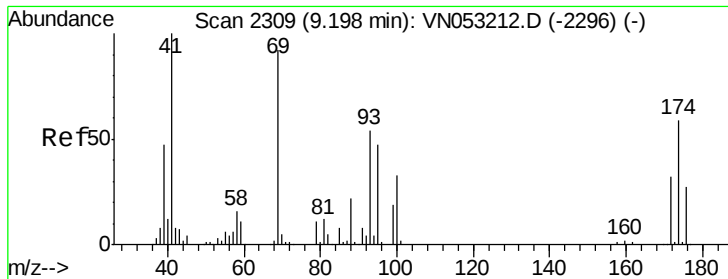
Tgt Ion: 43 Resp: 169123
Ion Ratio Lower Upper
43 100
45 13.1 1.0 1.6#



#44
Isopropyl Acetate
Concen: 22.605 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Tgt Ion: 43 Resp: 307377
Ion Ratio Lower Upper
43 100
61 28.2 16.0 24.0#





#45

1,4-Dioxane

Concen: 358.664 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS01

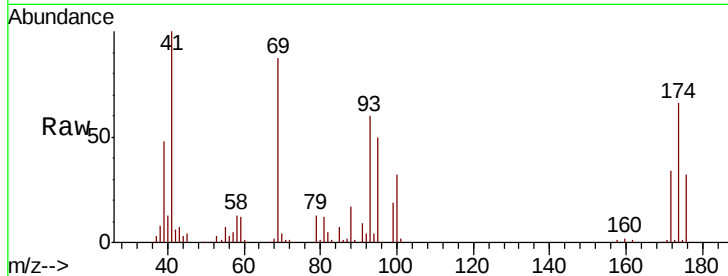
Tgt Ion: 88 Resp: 29823

Ion Ratio Lower Upper

88 100

43 34.5 29.5 44.3

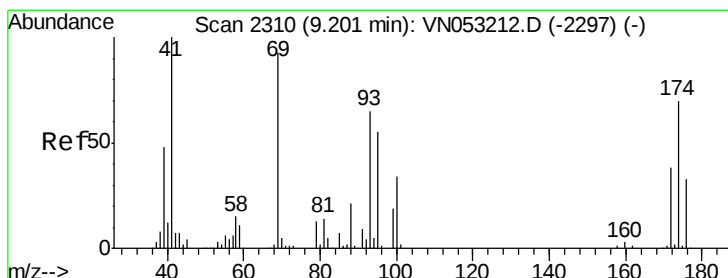
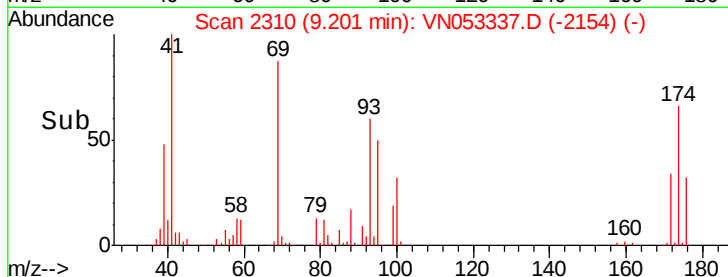
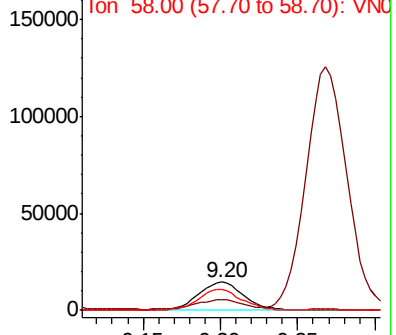
58 70.5 61.5 92.3



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 22.083 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

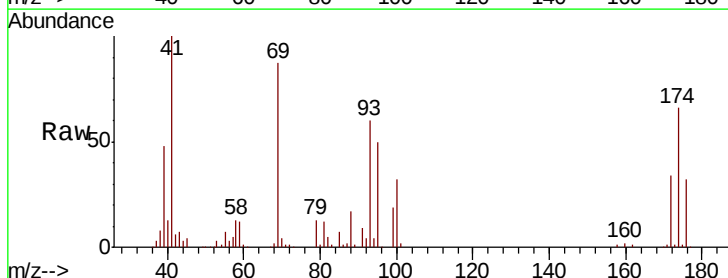
Tgt Ion: 41 Resp: 151698

Ion Ratio Lower Upper

41 100

69 87.9 42.5 127.6

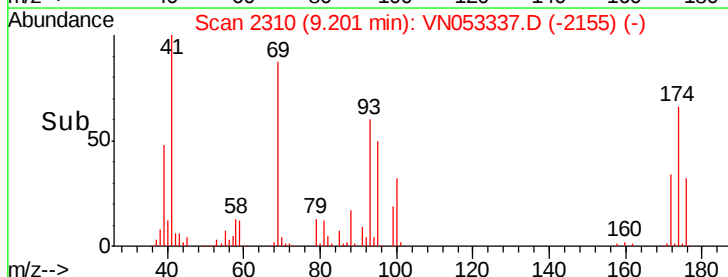
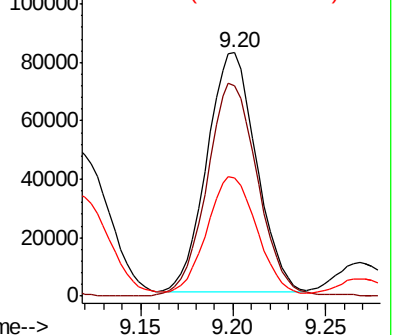
39 48.0 26.3 78.9

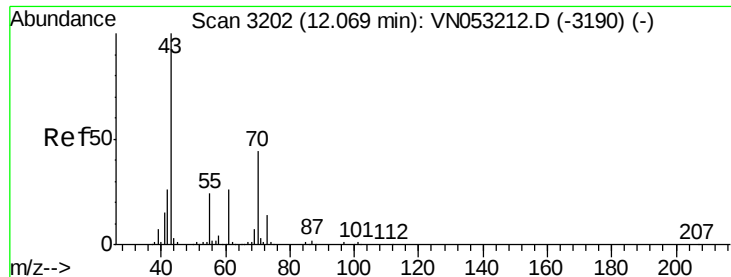


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

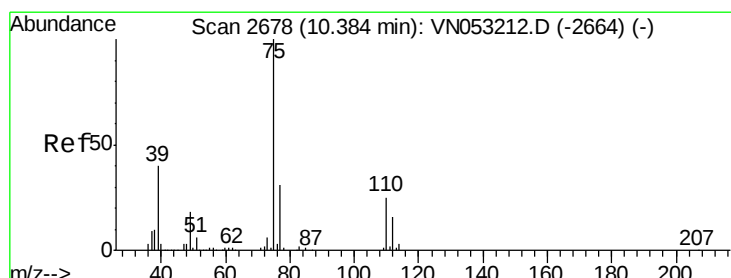
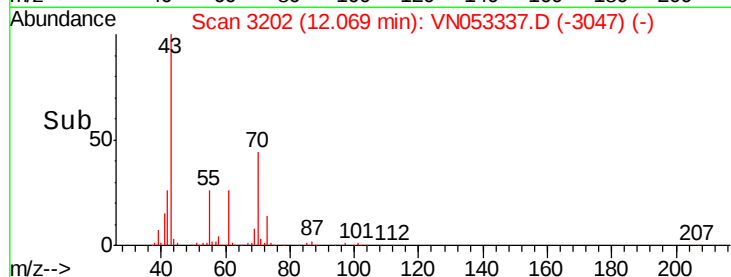
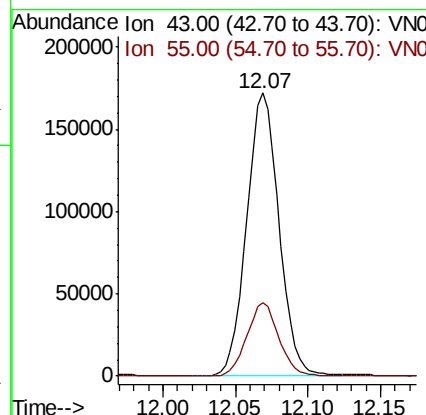
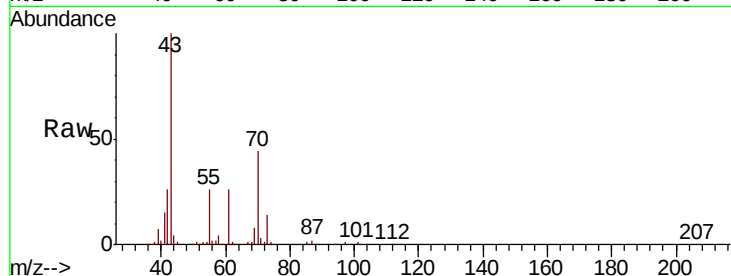




#47
n-amyl Acetate
Concen: 22.320 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

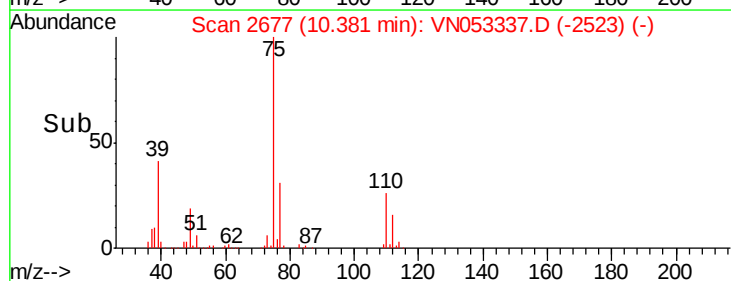
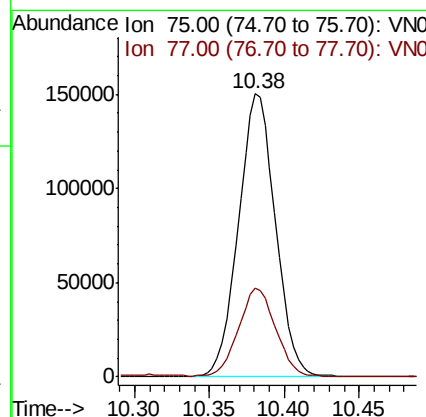
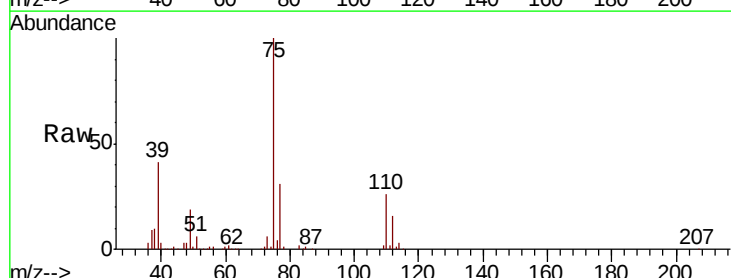
Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS01

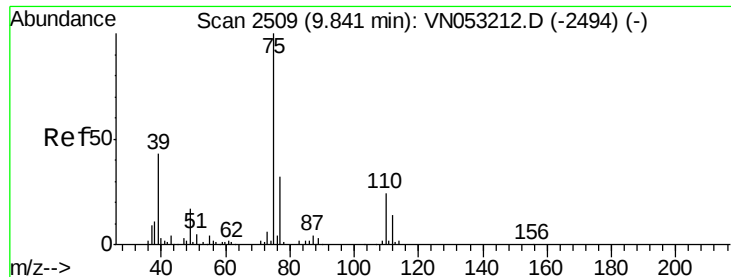
Tgt Ion: 43 Resp: 266537
Ion Ratio Lower Upper
43 100
55 25.6 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 20.272 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Tgt Ion: 75 Resp: 258370
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 20.225 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS01

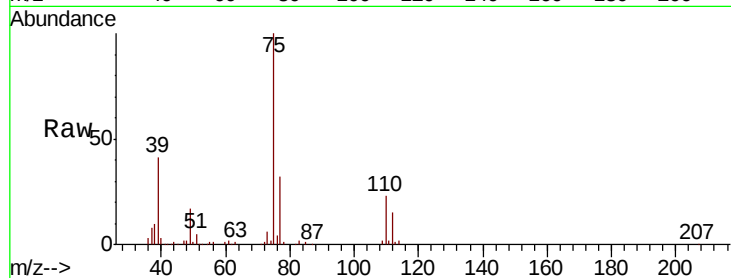
Tgt Ion: 75 Resp: 303519

Ion Ratio Lower Upper

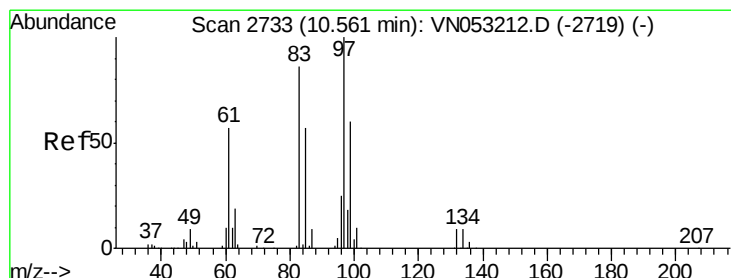
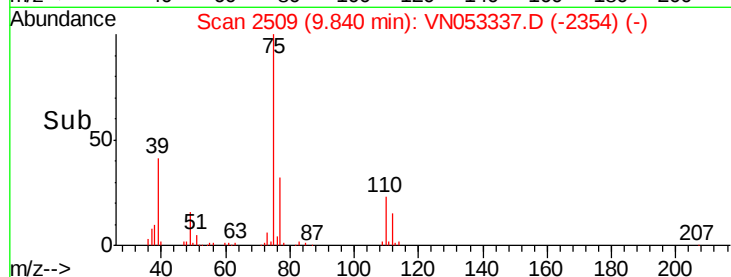
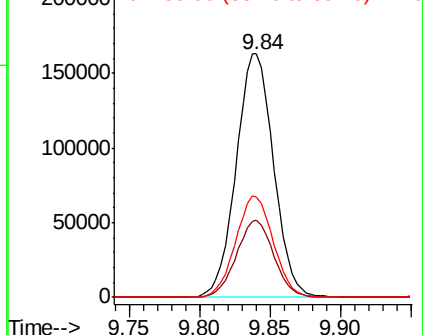
75 100

77 31.7 25.4 38.0

39 41.4 37.3 55.9



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 21.580 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Tgt Ion: 97 Resp: 179912

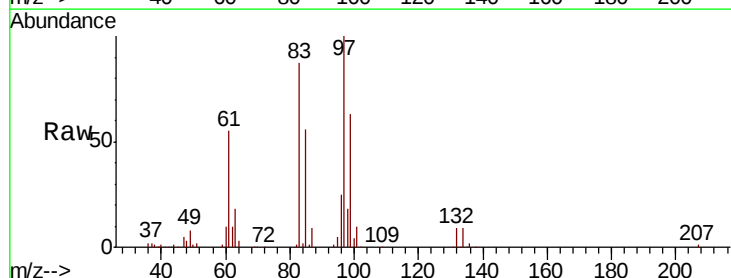
Ion Ratio Lower Upper

97 100

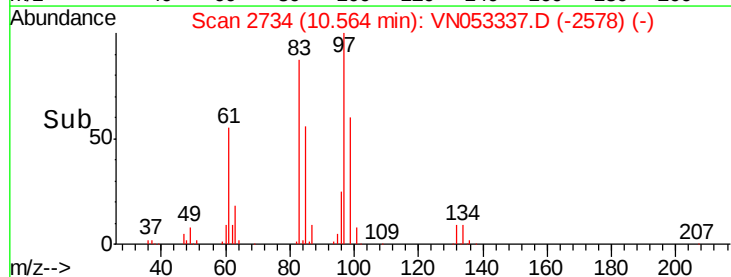
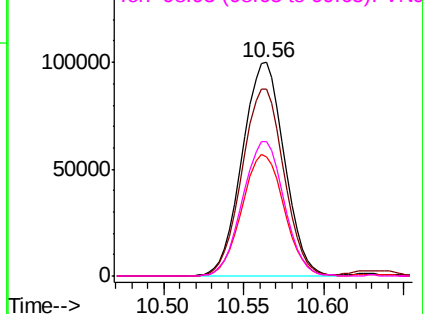
83 87.3 70.4 105.6

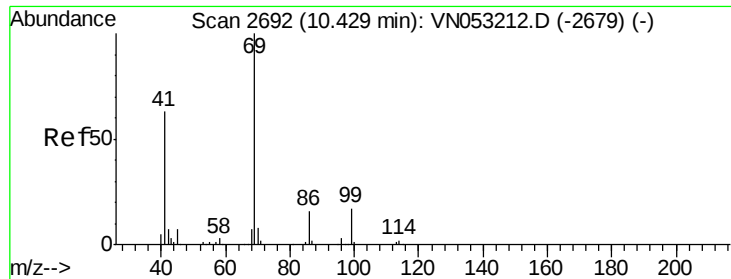
85 56.0 45.0 67.6

99 63.1 50.2 75.2



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 21.914 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS01

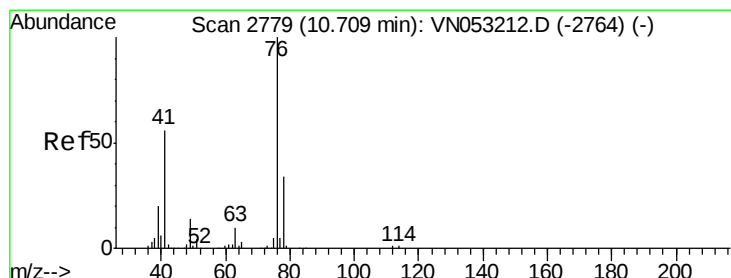
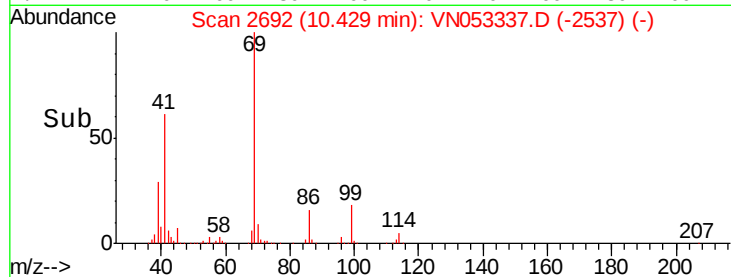
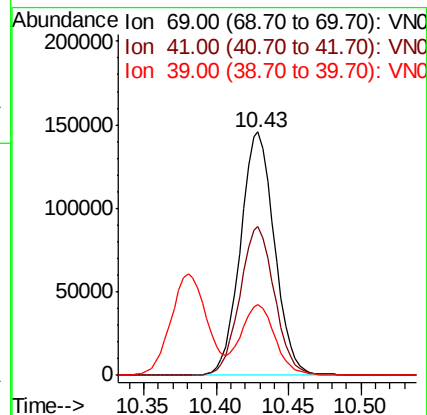
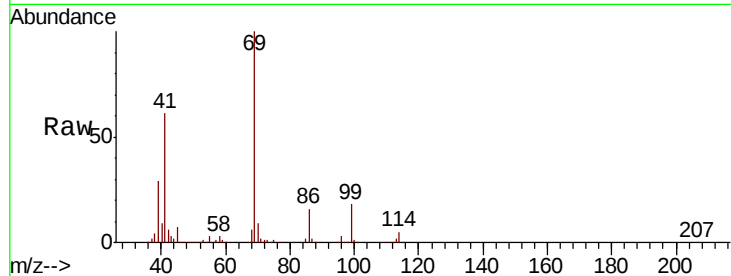
Tgt Ion: 69 Resp: 238111

Ion Ratio Lower Upper

69 100

41 60.8 34.4 103.3

39 28.6 16.4 49.2



#52

1,3-Dichloropropane

Concen: 21.431 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN053337.D

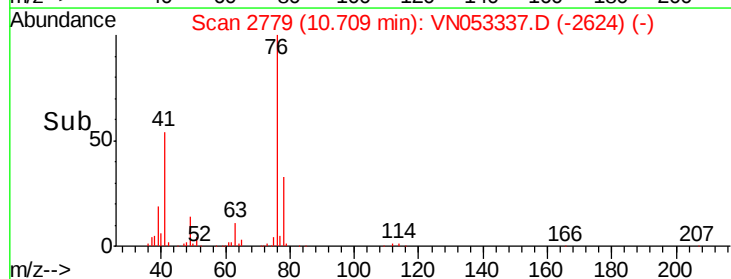
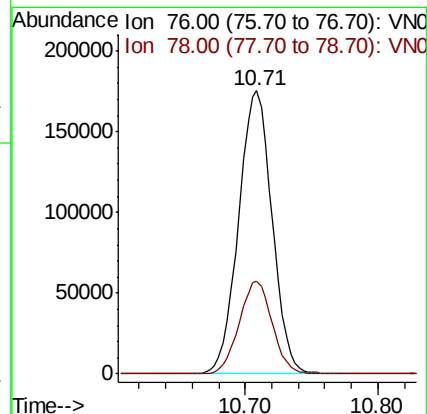
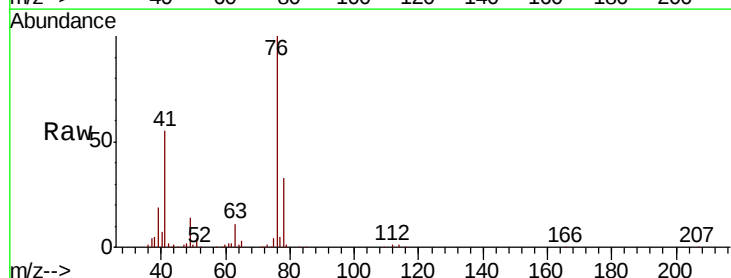
Acq: 10 Jan 2019 13:14

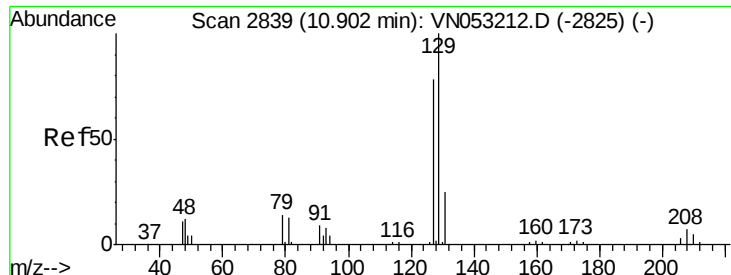
Tgt Ion: 76 Resp: 307793

Ion Ratio Lower Upper

76 100

78 32.2 0.0 64.8





#53

Dibromochloromethane

Concen: 20.883 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

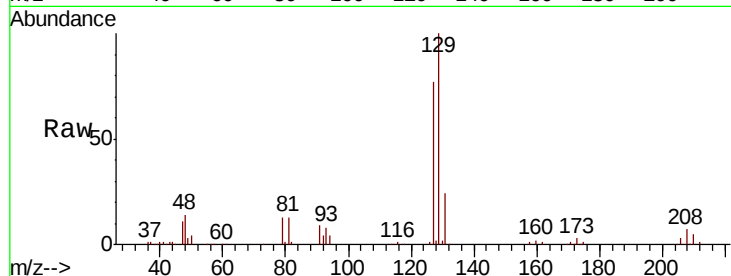
VN0110WBS01

Tgt Ion:129 Resp: 195544

Ion Ratio Lower Upper

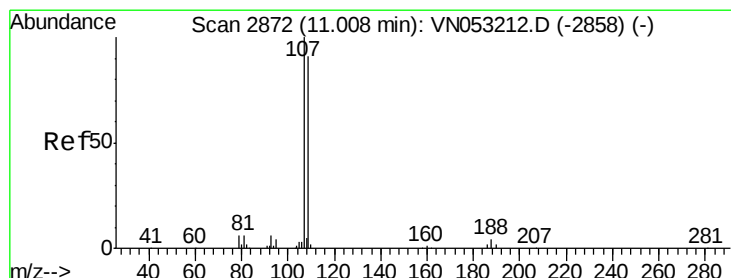
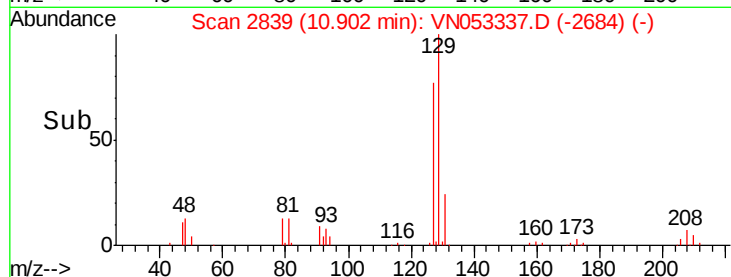
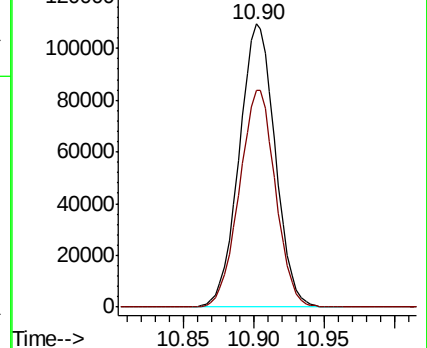
129 100

127 76.7 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.412 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN053337.D

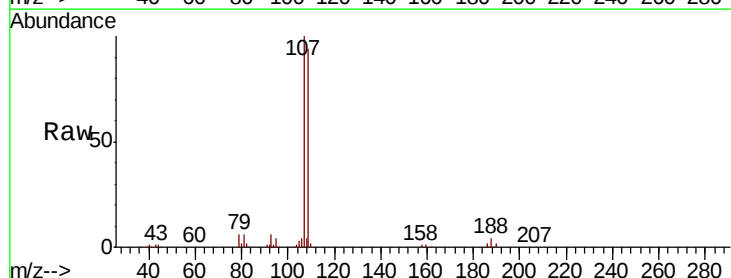
Acq: 10 Jan 2019 13:14

Tgt Ion:107 Resp: 180086

Ion Ratio Lower Upper

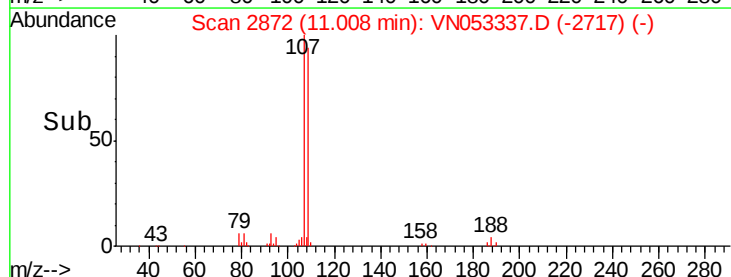
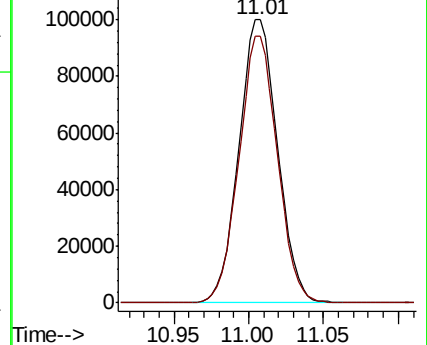
107 100

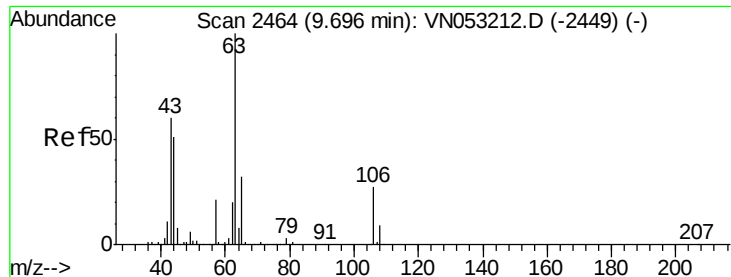
109 93.5 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

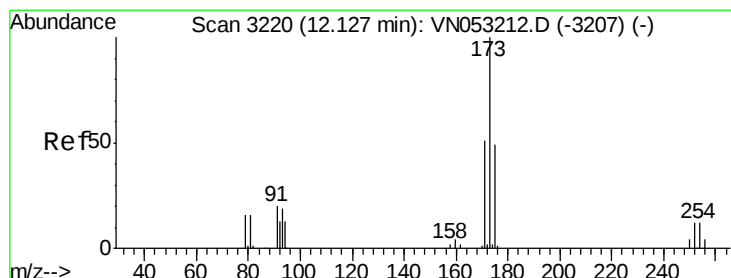
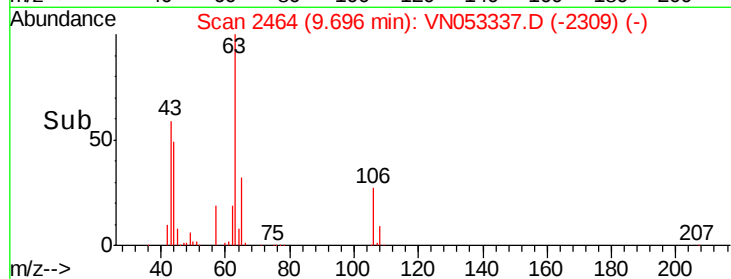
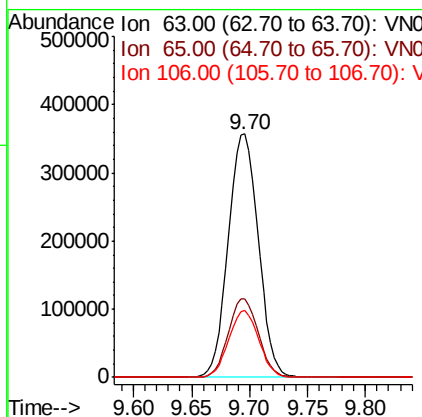
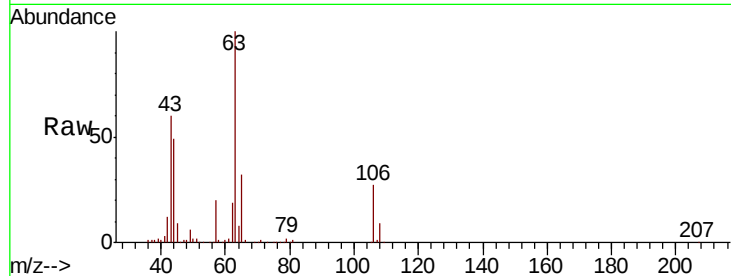




#55
 2-Chloroethyl vinyl ether
 Concen: 102.789 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

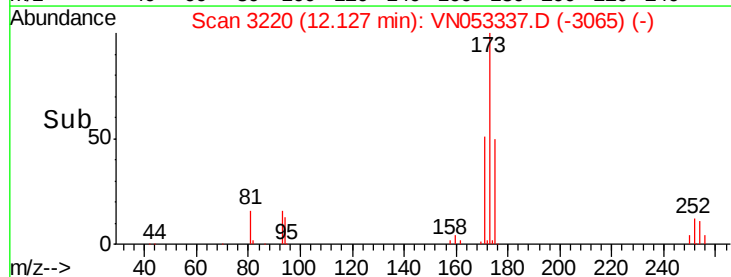
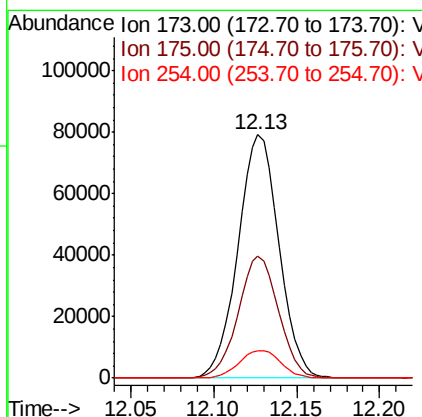
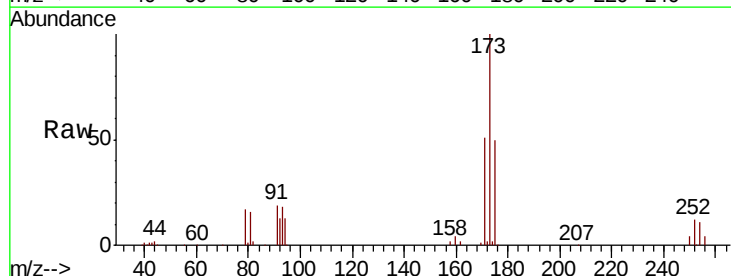
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS01

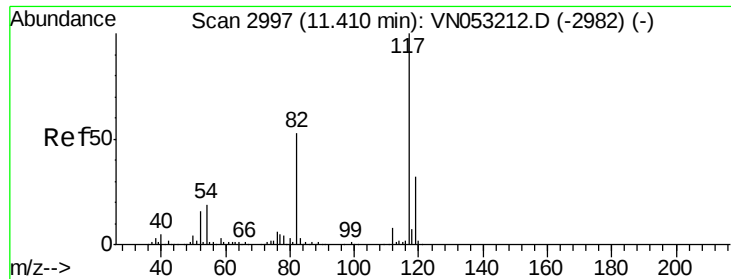
Tgt Ion: 63 Resp: 640964
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.4 38.2
 106 27.3 20.4 30.6



#56
 Bromoform
 Concen: 21.260 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

Tgt Ion: 173 Resp: 136181
 Ion Ratio Lower Upper
 173 100
 175 49.2 38.7 58.1
 254 11.7 8.4 12.6

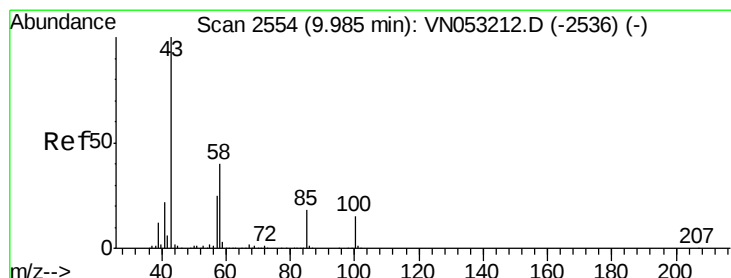
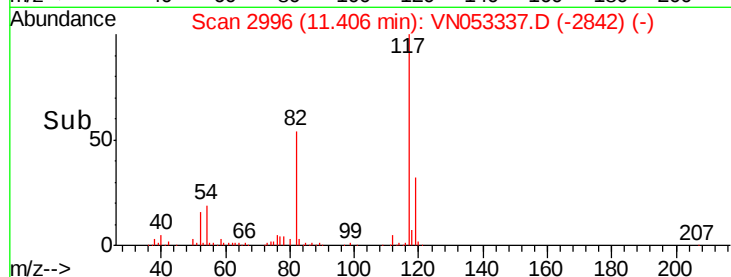
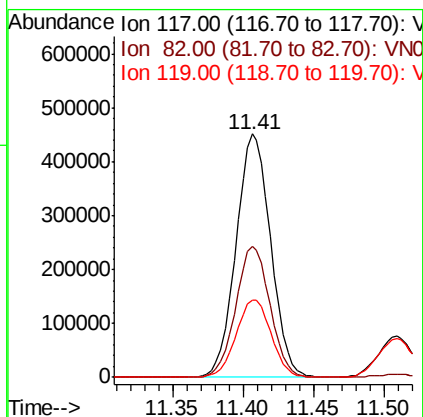
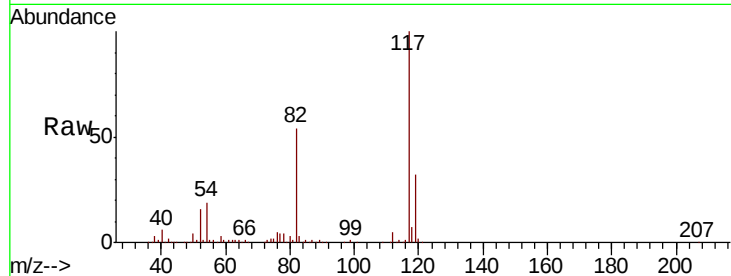




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

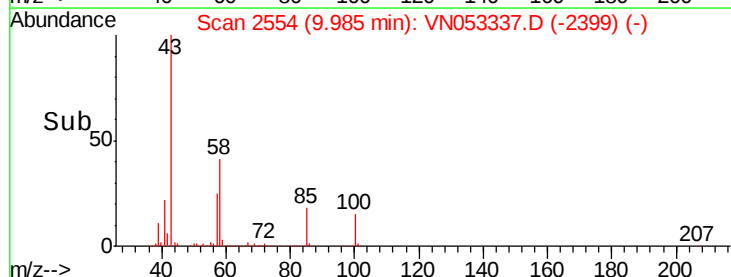
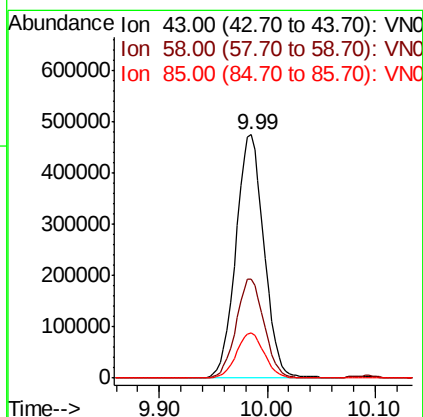
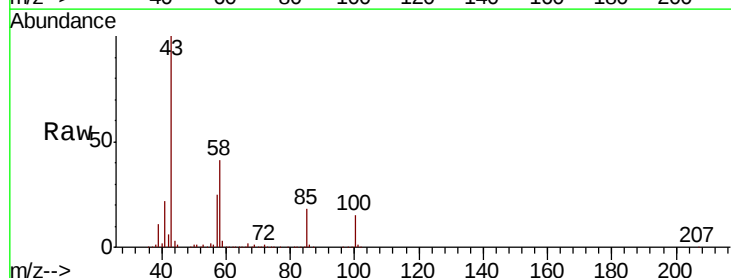
Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS01

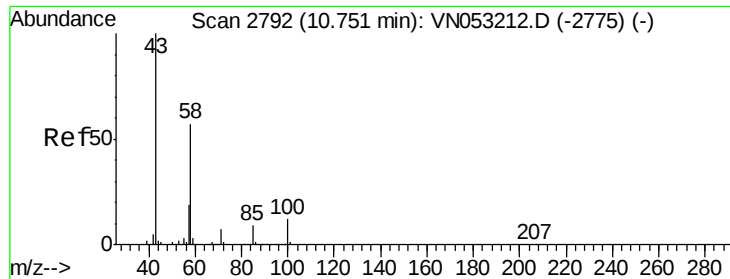
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	44.2	66.2
119	32.2	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 116.336 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.6	47.4
85	18.4	13.3	19.9

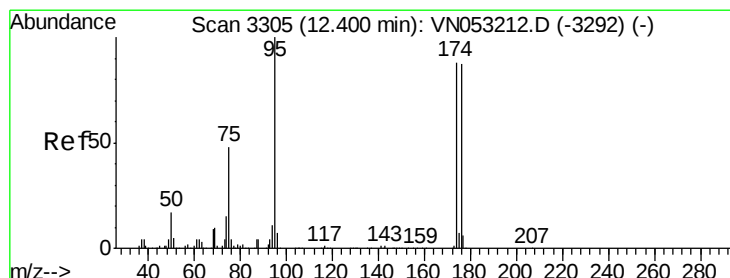
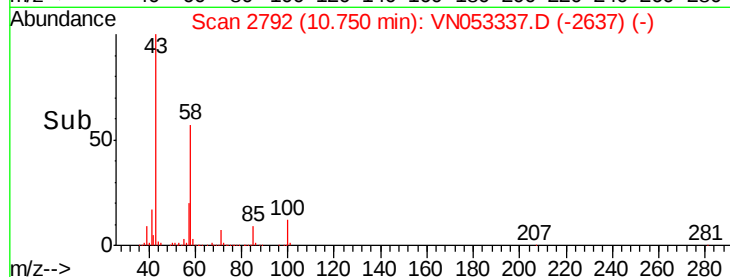
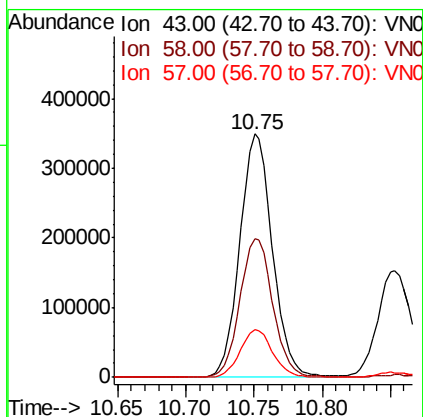
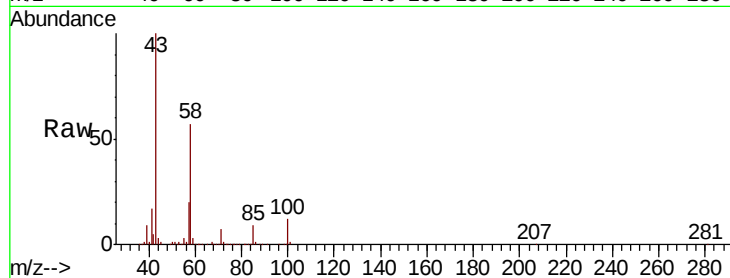




#59
2-Hexanone
Concen: 113.153 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

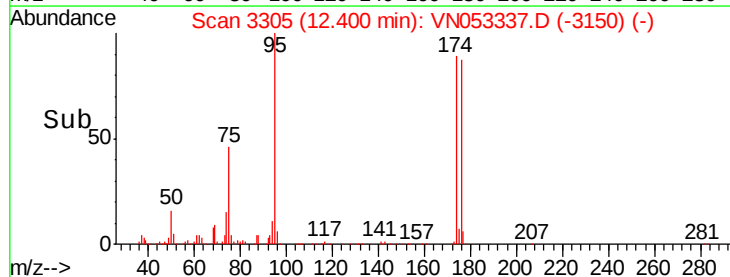
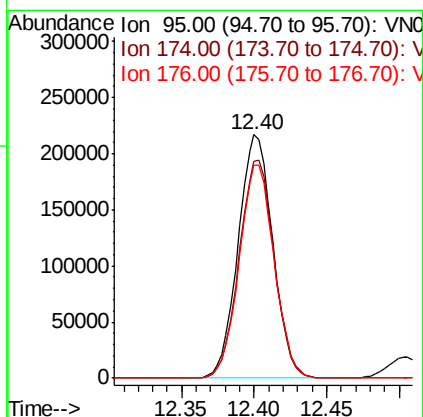
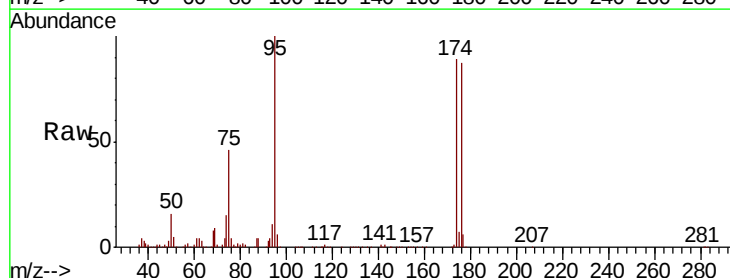
Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS01

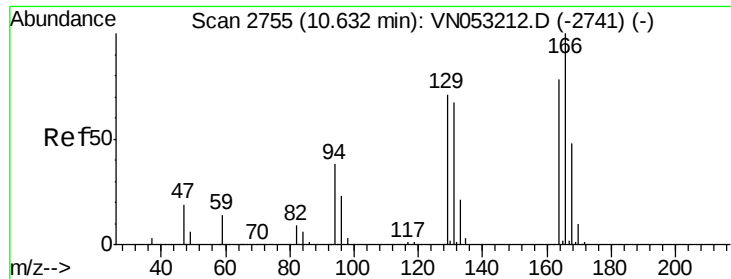
Tgt Ion: 43 Resp: 578311
Ion Ratio Lower Upper
43 100
58 57.6 43.2 64.8
57 19.7 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 113.153 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Tgt Ion: 95 Resp: 359994
Ion Ratio Lower Upper
95 100
174 90.9 67.9 101.9
176 88.1 66.4 99.6





#61

Tetrachloroethene

Concen: 20.683 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

VN0110WBS01

Tgt Ion:164 Resp: 237466

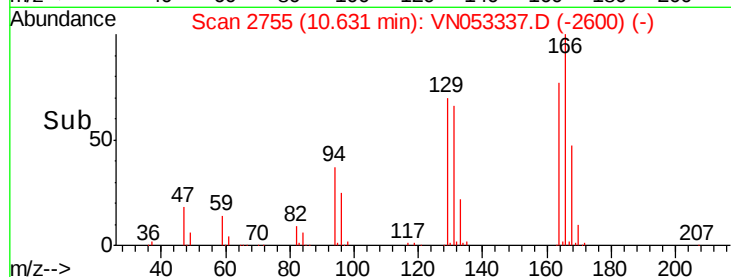
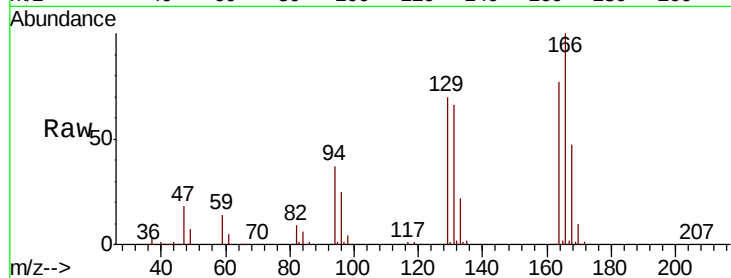
Ion Ratio Lower Upper

164 100

166 130.7 104.6 157.0

129 90.8 75.3 112.9

131 86.1 74.3 111.5

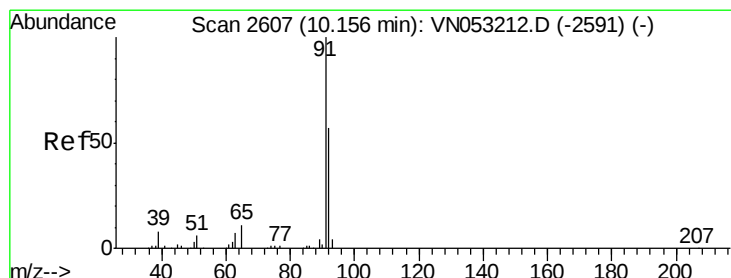
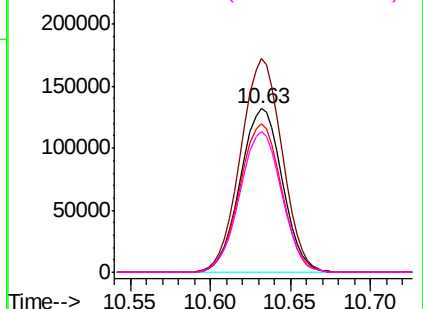


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.438 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053337.D

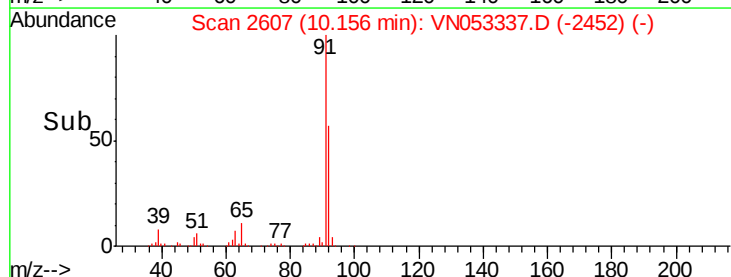
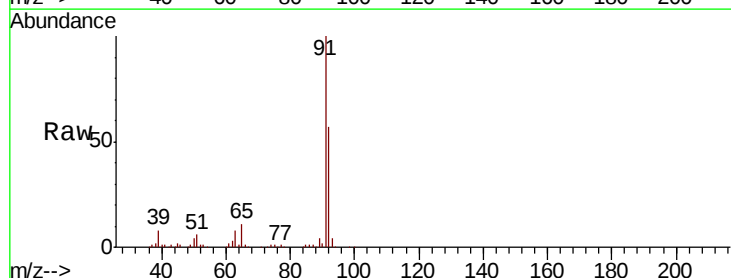
Acq: 10 Jan 2019 13:14

Tgt Ion: 91 Resp: 870810

Ion Ratio Lower Upper

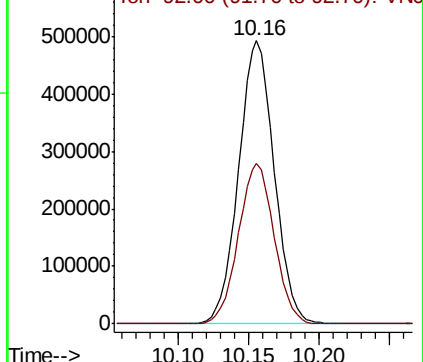
91 100

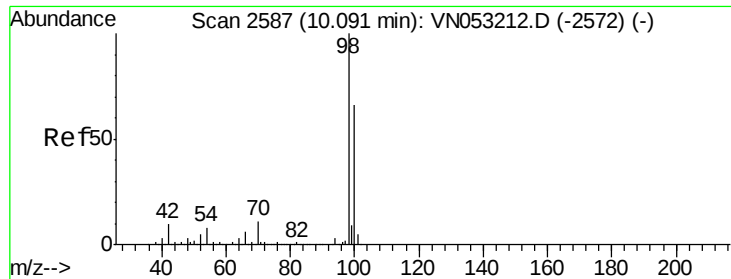
92 57.0 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.438 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

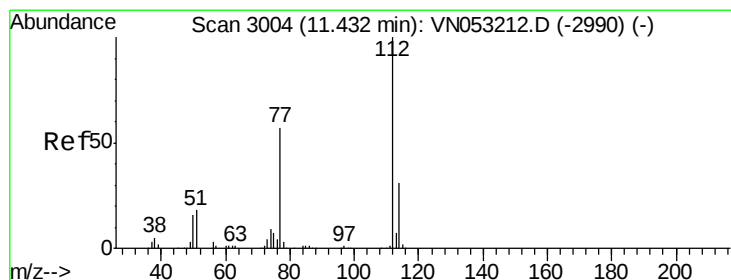
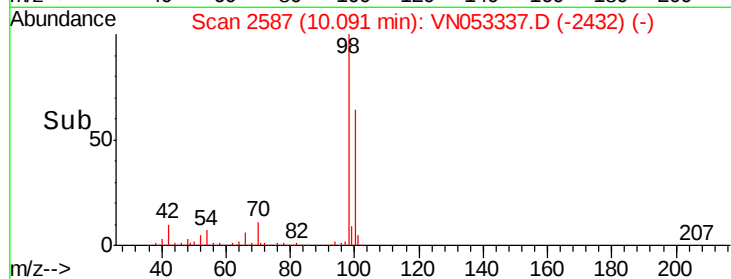
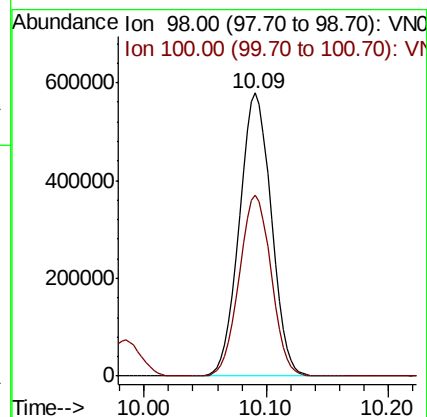
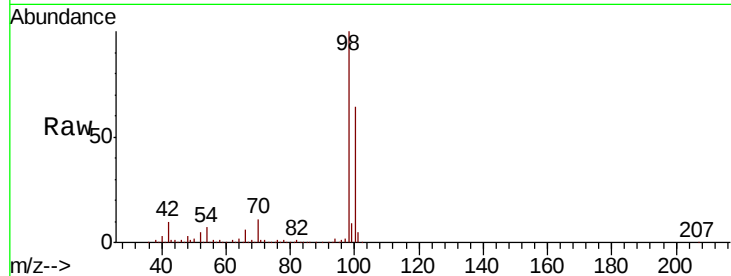
VN0110WBS01

Tgt Ion: 98 Resp: 1046297

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7



#64

Chlorobenzene

Concen: 20.403 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053337.D

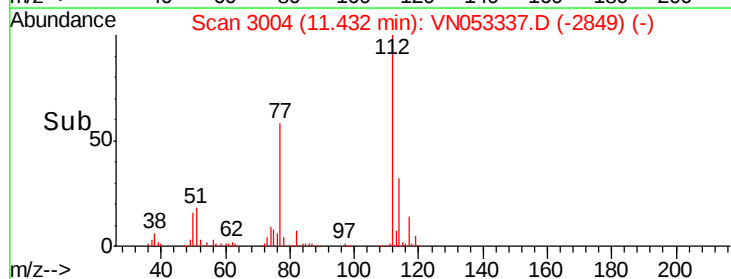
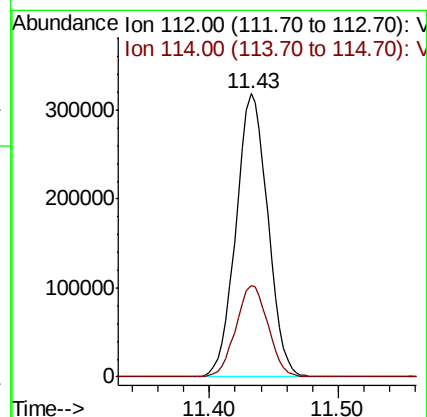
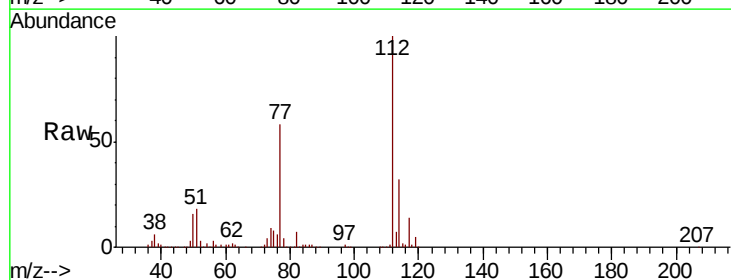
Acq: 10 Jan 2019 13:14

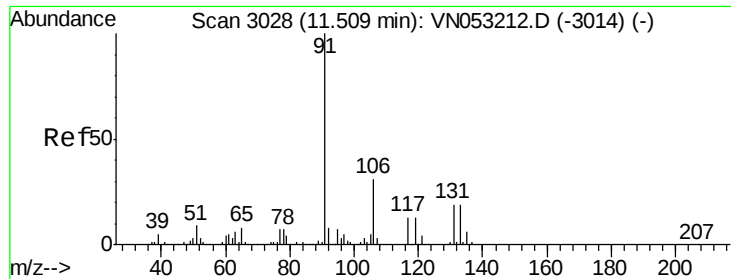
Tgt Ion: 112 Resp: 545536

Ion Ratio Lower Upper

112 100

114 32.5 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.352 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS01

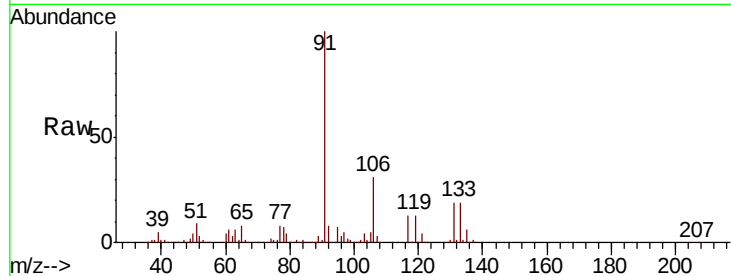
Tgt Ion:131 Resp: 190880

Ion Ratio Lower Upper

131 100

133 95.7 0.0 193.4

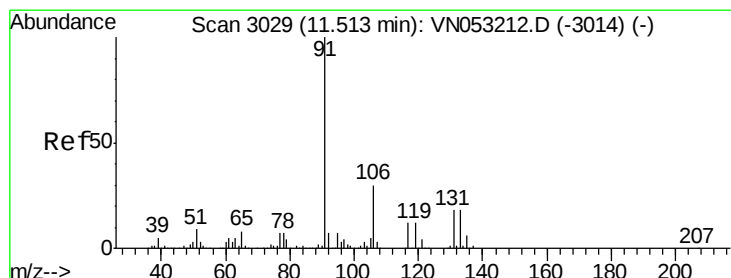
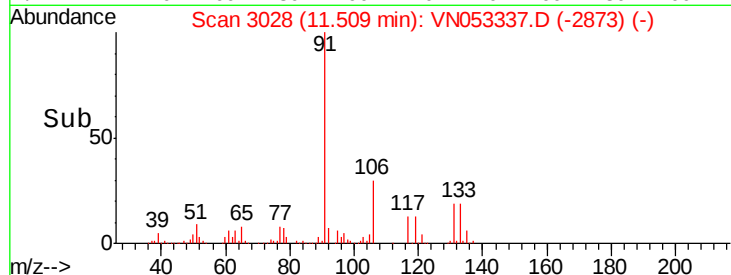
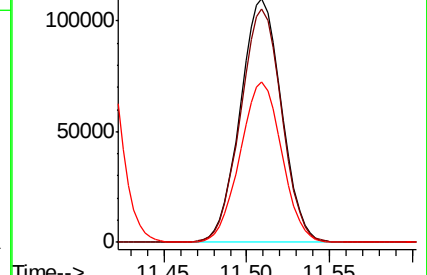
119 66.6 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.343 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN053337.D

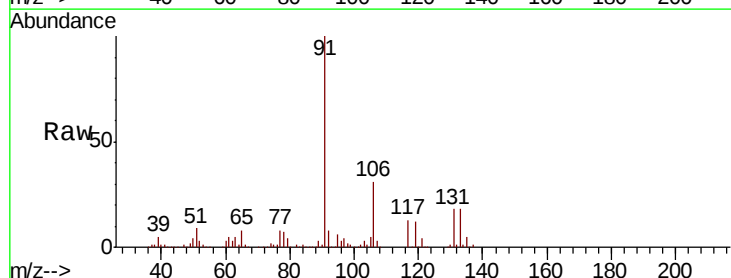
Acq: 10 Jan 2019 13:14

Tgt Ion: 91 Resp: 939956

Ion Ratio Lower Upper

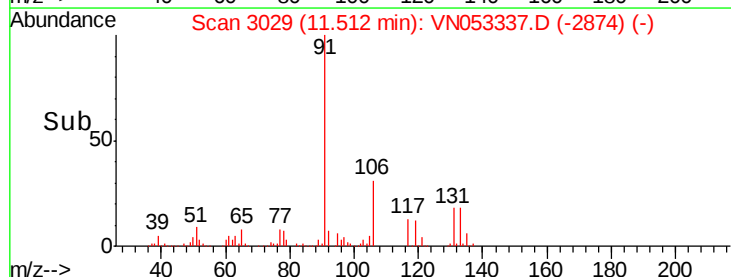
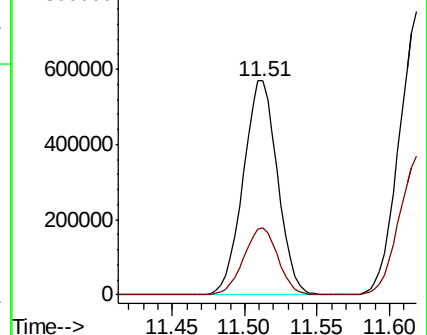
91 100

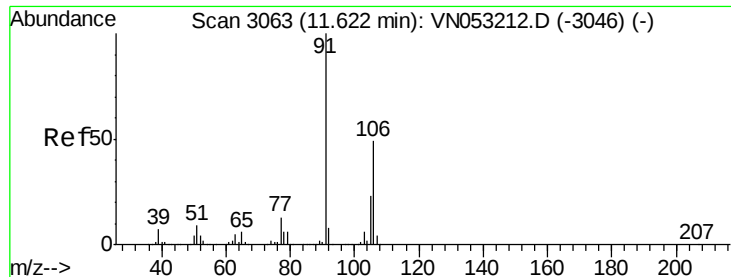
106 31.4 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 41.090 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

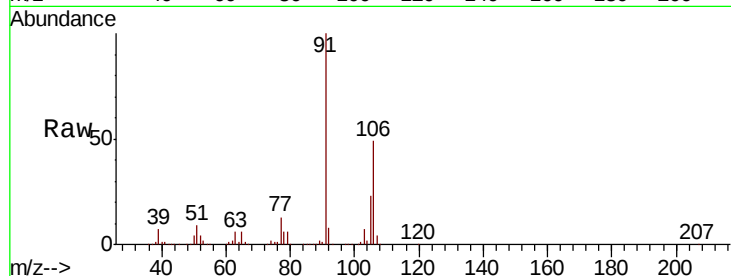
VN0110WBS01

Tgt Ion:106 Resp: 718059

Ion Ratio Lower Upper

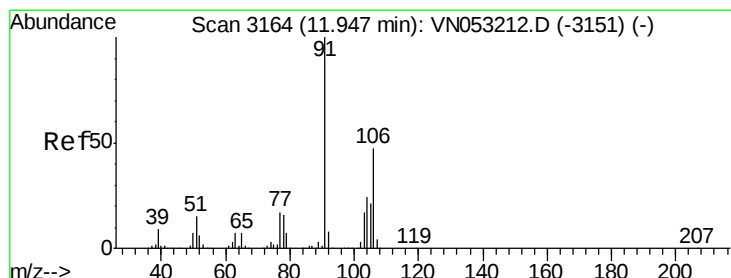
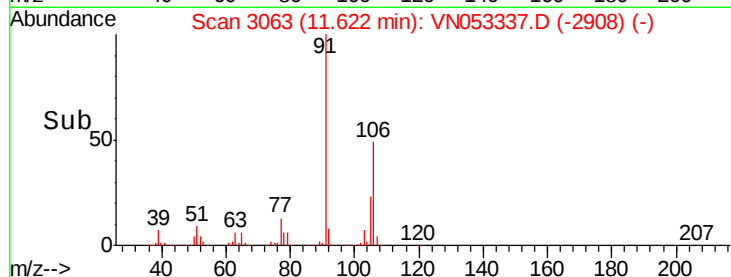
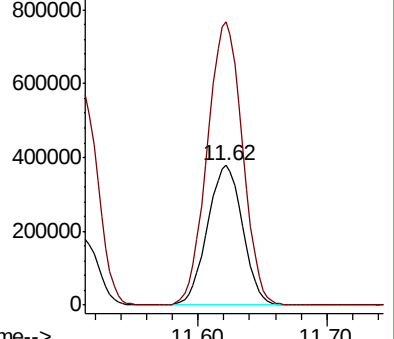
106 100

91 202.5 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.670 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053337.D

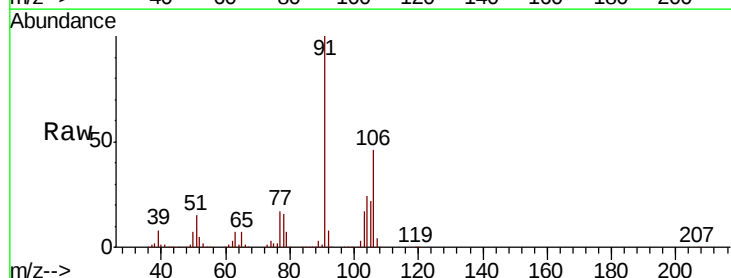
Acq: 10 Jan 2019 13:14

Tgt Ion:106 Resp: 350035

Ion Ratio Lower Upper

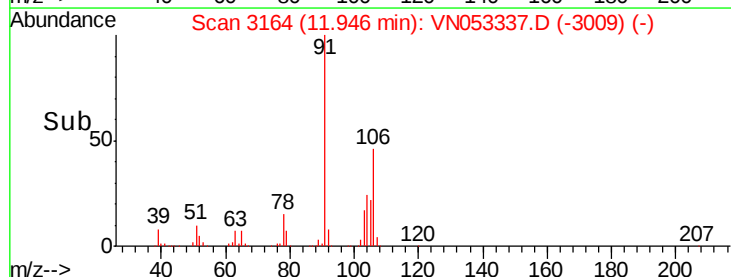
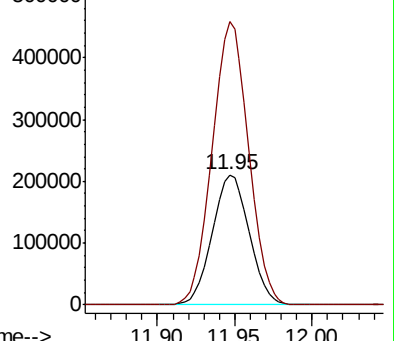
106 100

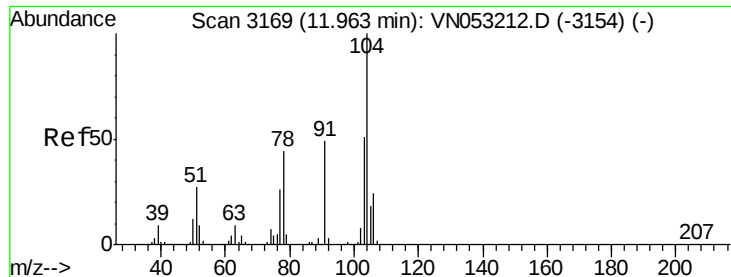
91 214.6 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

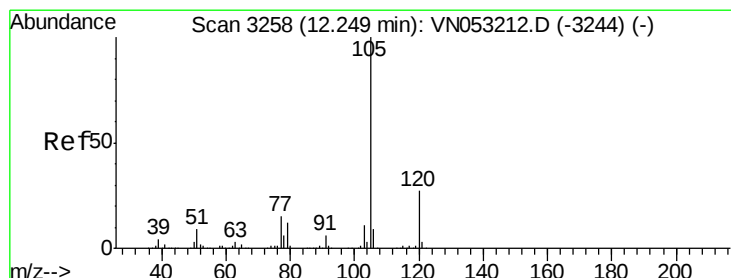
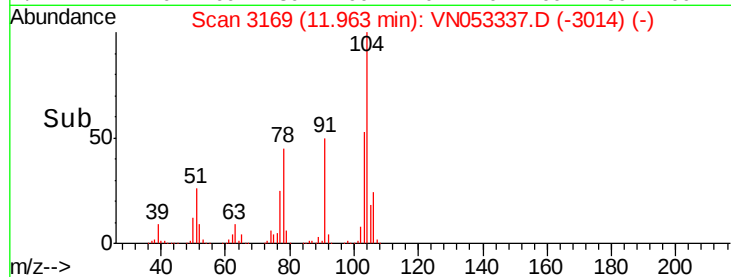
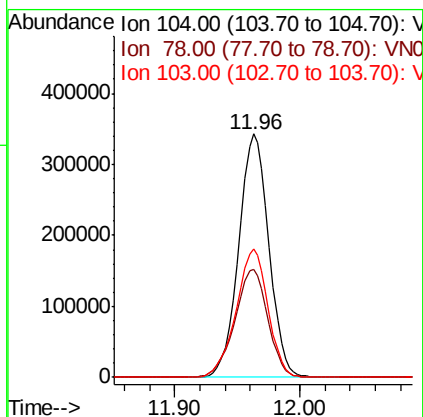
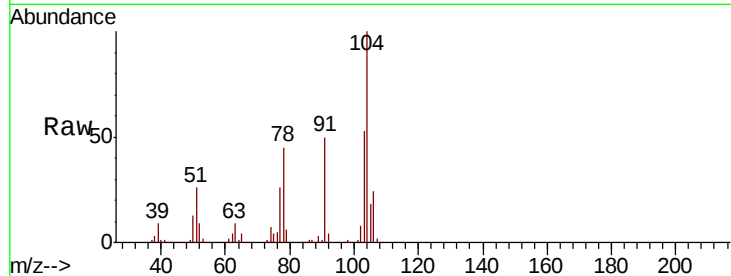




#69
Styrene
Concen: 20.665 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

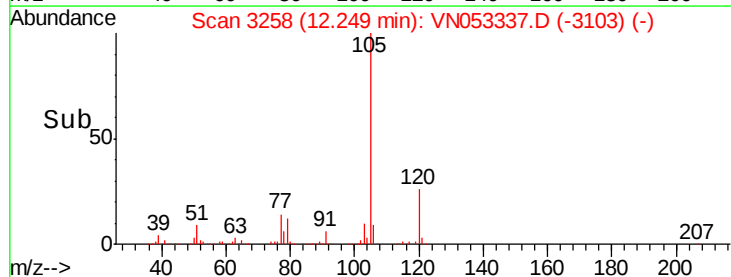
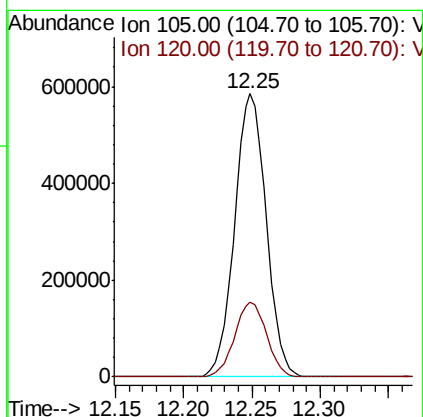
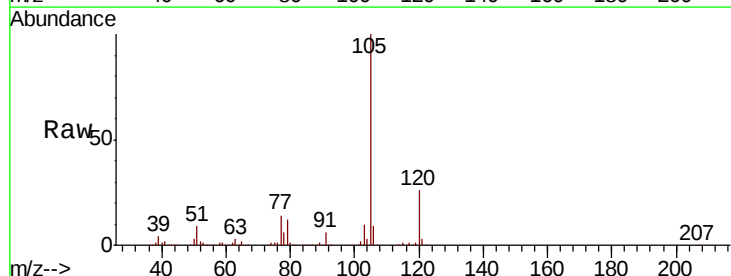
Instrument :
MSVOA_N
ClientSampled :
VN0110WBS01

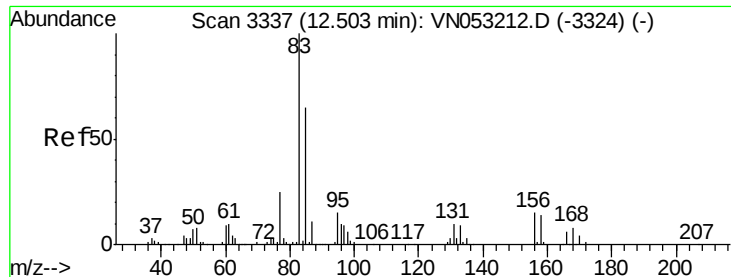
Tgt Ion:104 Resp: 571207
Ion Ratio Lower Upper
104 100
78 48.7 39.3 58.9
103 55.8 44.6 66.8



#70
Isopropylbenzene
Concen: 21.027 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Tgt Ion:105 Resp: 936843
Ion Ratio Lower Upper
105 100
120 26.8 18.6 34.6

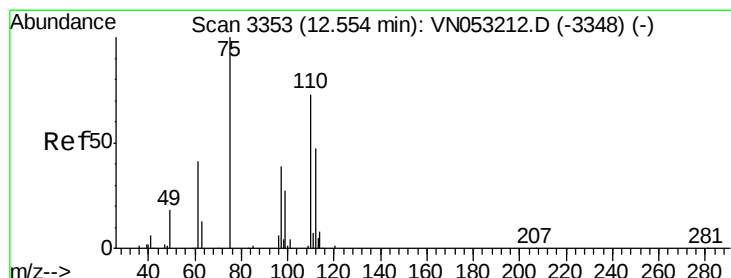
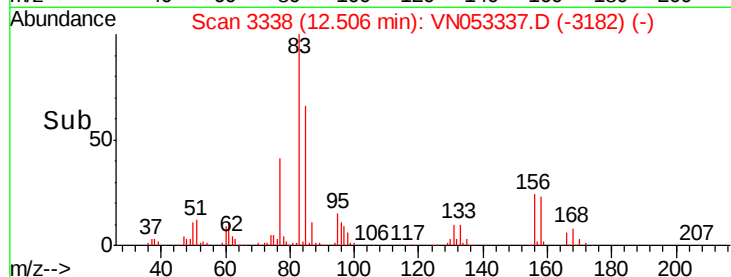
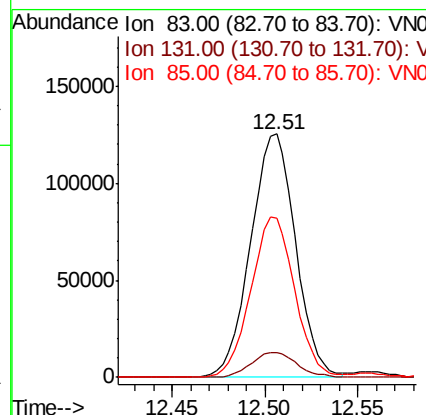
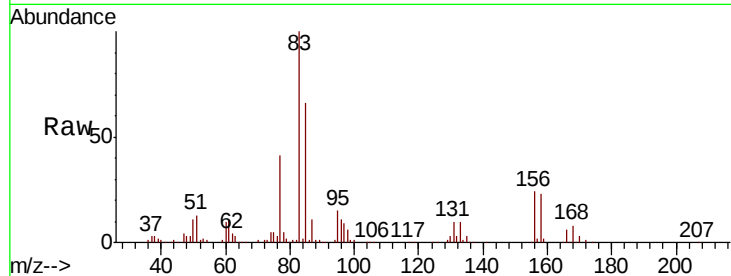




#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.494 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

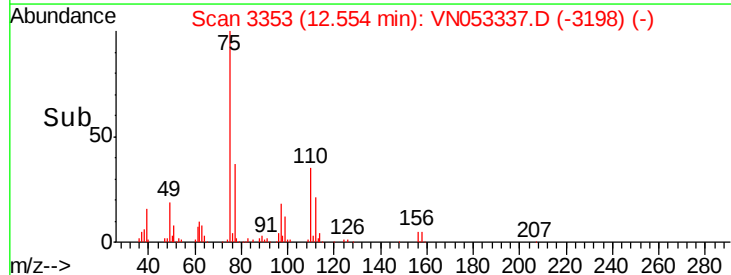
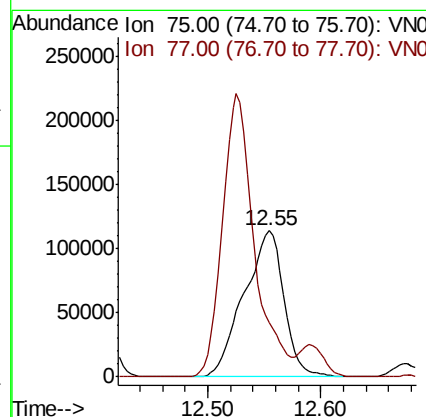
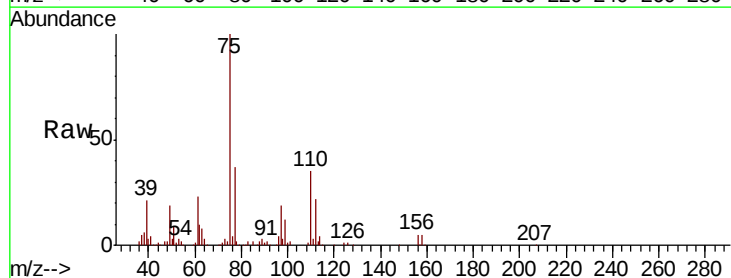
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS01

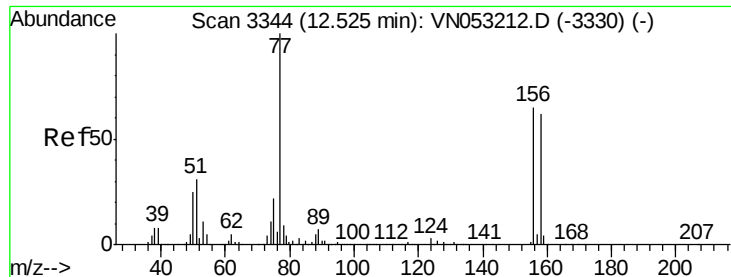
Tgt Ion: 83 Resp: 210970
 Ion Ratio Lower Upper
 83 100
 131 10.5 4.9 14.6
 85 64.4 32.2 96.6



#72
 1,2,3-Trichloropropane
 Concen: 34.223 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

Tgt Ion: 75 Resp: 281079
 Ion Ratio Lower Upper
 75 100
 77 153.1 0.0 514.8





#73

Bromobenzene

Concen: 21.016 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS01

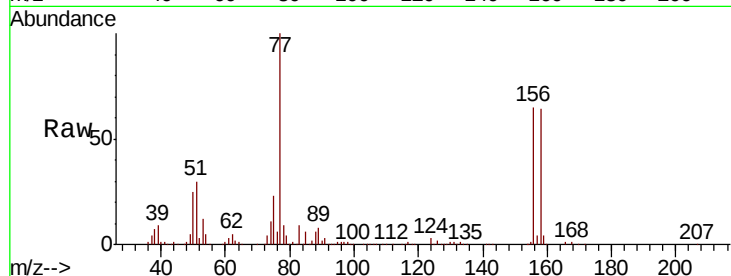
Tgt Ion:156 Resp: 240688

Ion Ratio Lower Upper

156 100

77 178.8 0.0 382.6

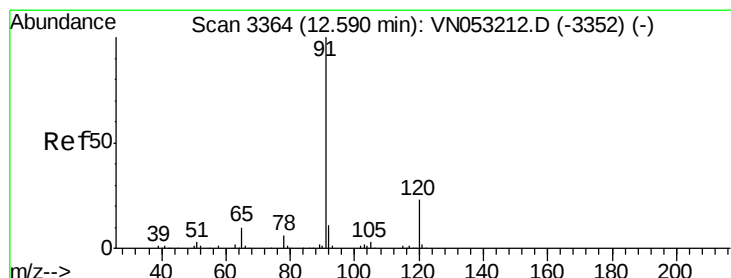
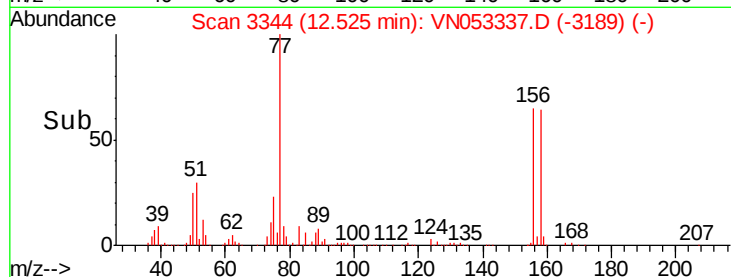
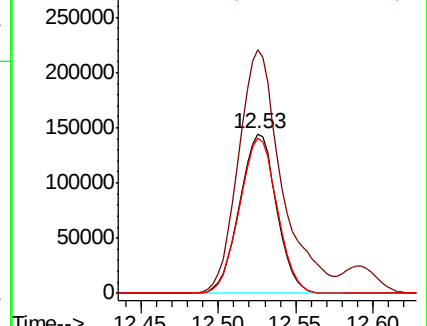
158 98.8 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.987 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053337.D

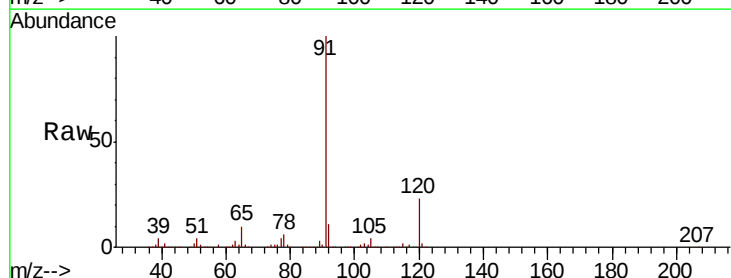
Acq: 10 Jan 2019 13:14

Tgt Ion: 91 Resp: 1058482

Ion Ratio Lower Upper

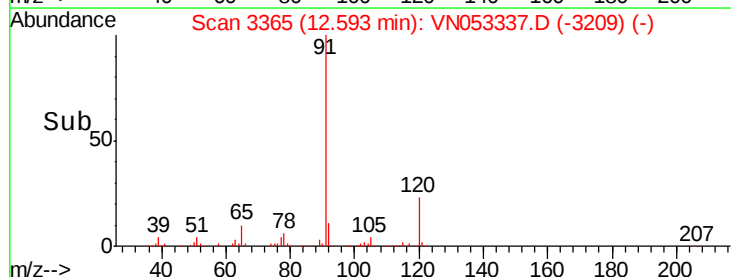
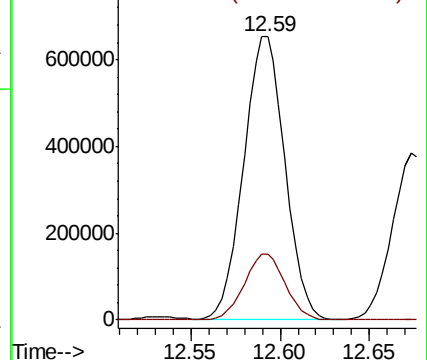
91 100

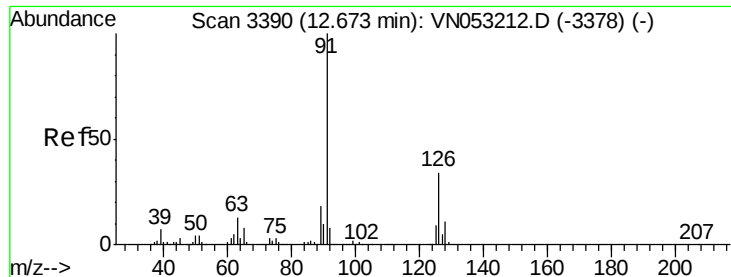
120 23.0 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.119 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

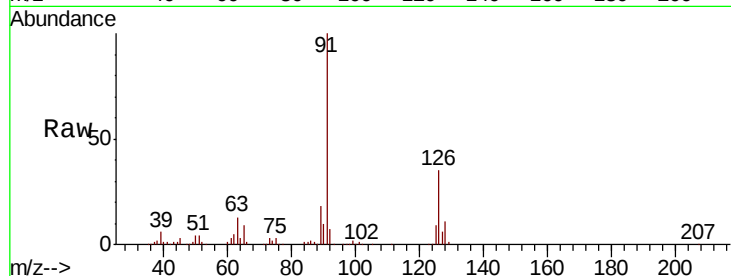
VN0110WBS01

Tgt Ion: 91 Resp: 630830

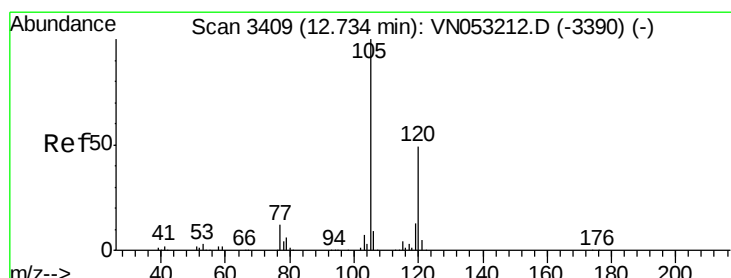
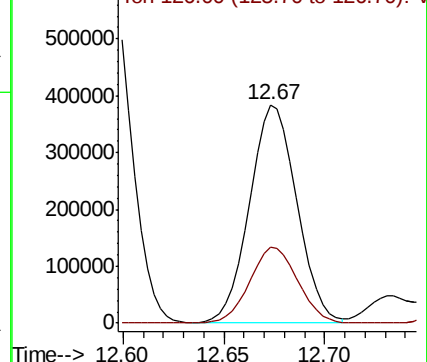
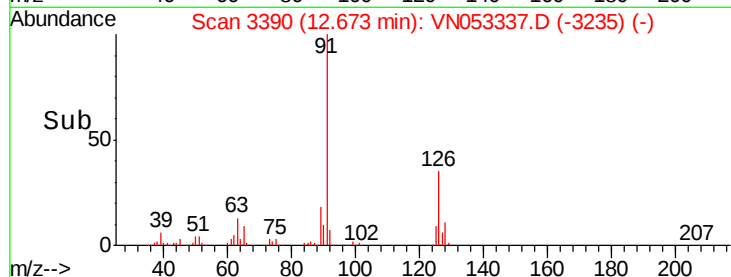
Ion Ratio Lower Upper

91 100

126 35.2 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN053337.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 21.486 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN053337.D

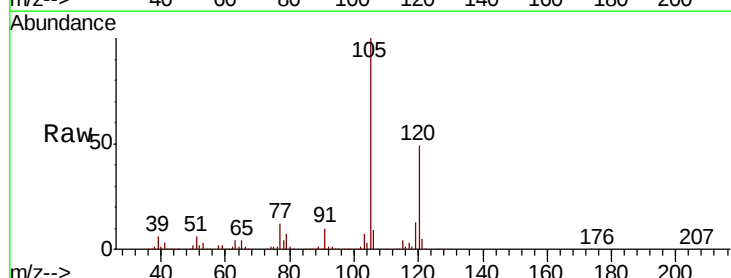
Acq: 10 Jan 2019 13:14

Tgt Ion: 105 Resp: 759376

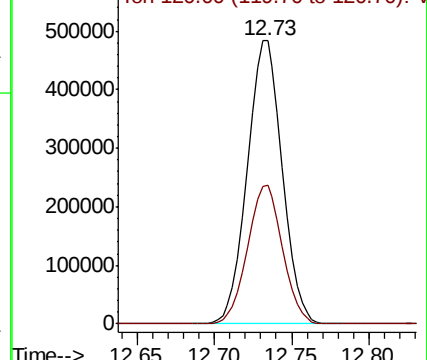
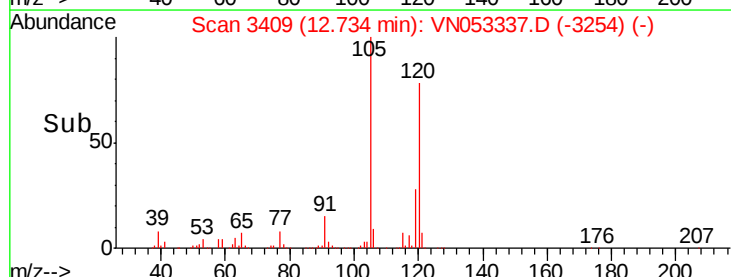
Ion Ratio Lower Upper

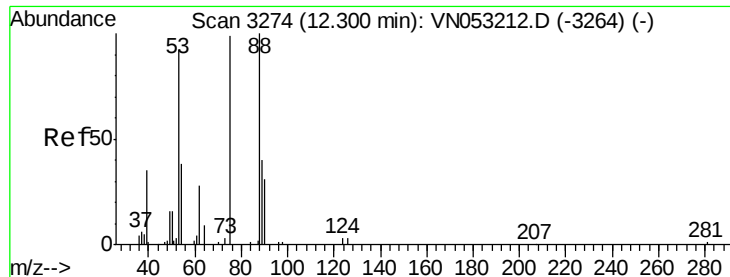
105 100

120 49.2 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN053337.D (-3254) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 20.530 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS01

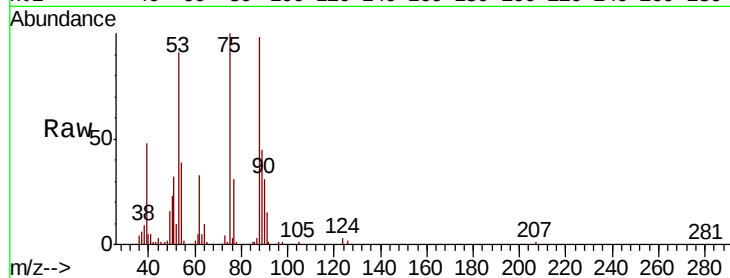
Tgt Ion: 75 Resp: 59247

Ion Ratio Lower Upper

75 100

53 91.3 48.5 145.6

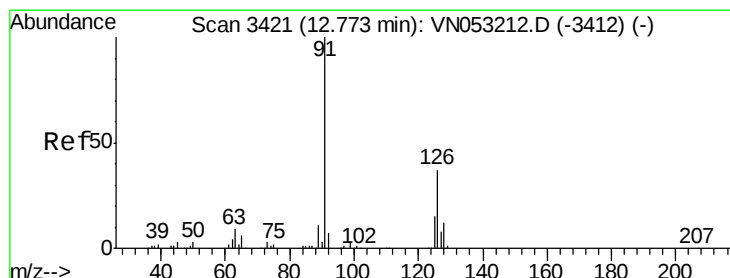
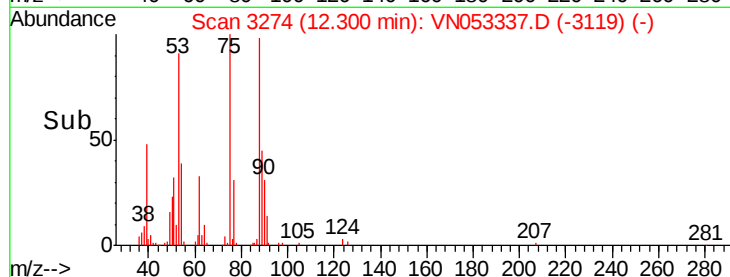
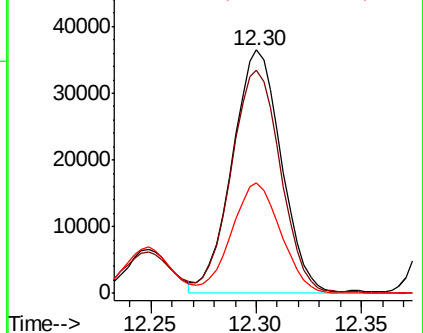
89 45.8 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.836 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053337.D

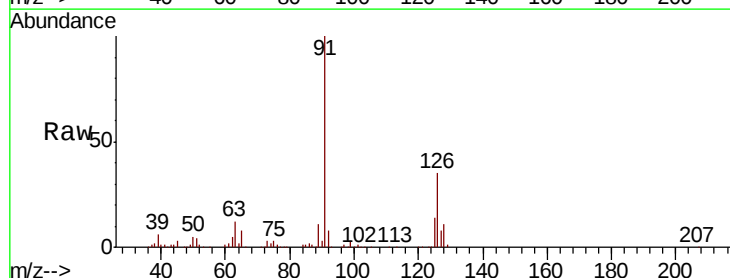
Acq: 10 Jan 2019 13:14

Tgt Ion: 91 Resp: 633539

Ion Ratio Lower Upper

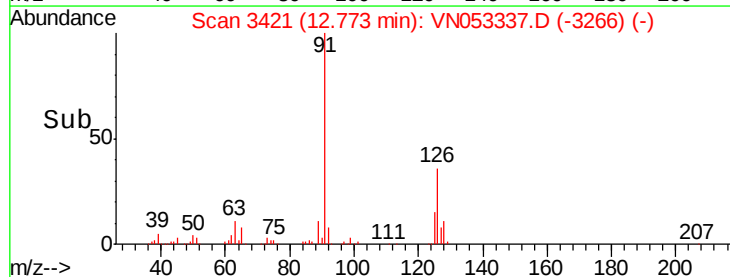
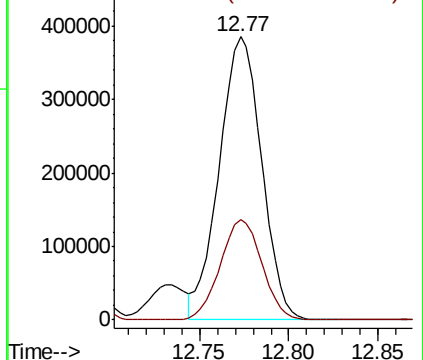
91 100

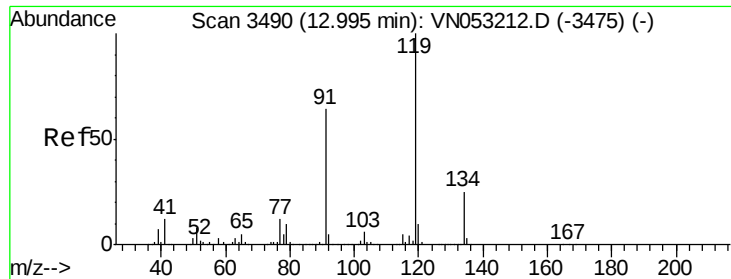
126 34.9 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

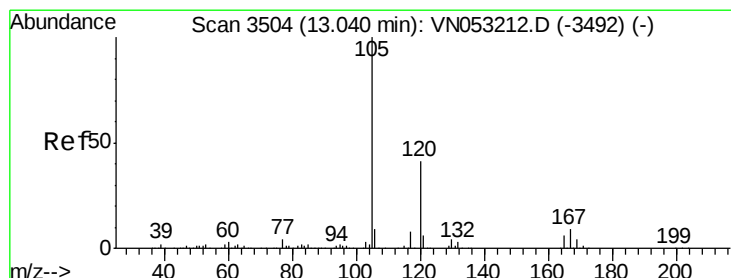
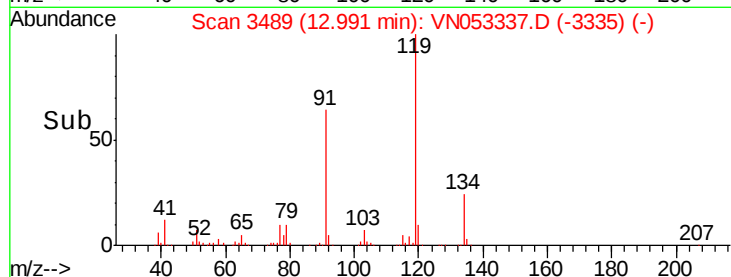
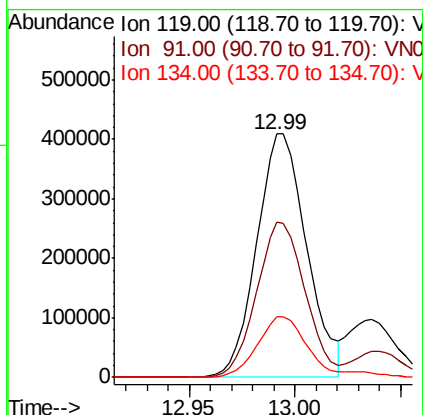
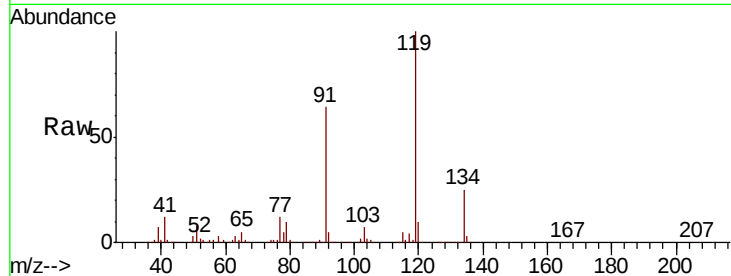




#79
tert-butylbenzene
Concen: 21.915 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

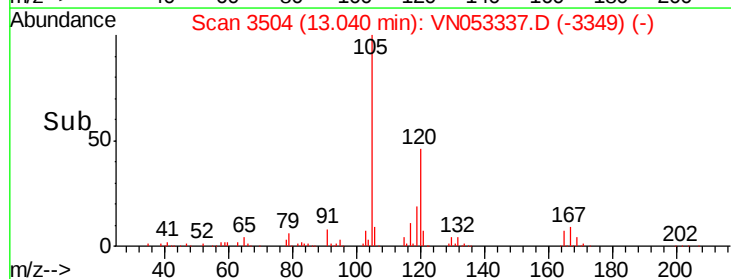
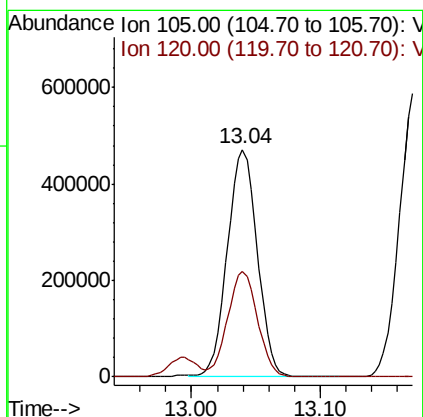
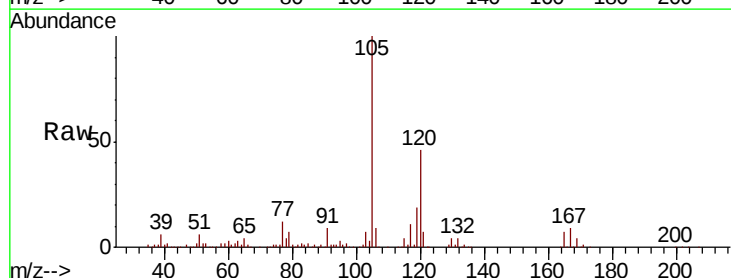
Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS01

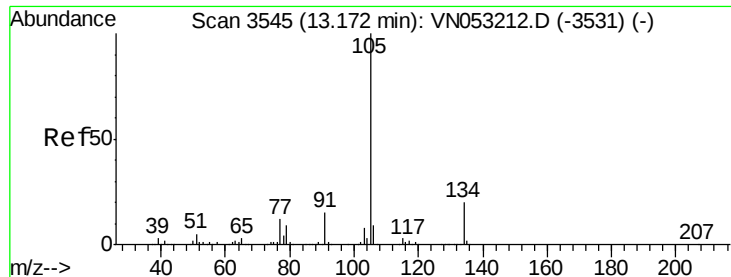
Tgt Ion:119 Resp: 675509
Ion Ratio Lower Upper
119 100
91 62.1 0.0 129.8
134 24.5 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 21.459 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Tgt Ion:105 Resp: 760147
Ion Ratio Lower Upper
105 100
120 46.2 0.0 91.0





#81

sec-Butylbenzene

Concen: 22.323 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

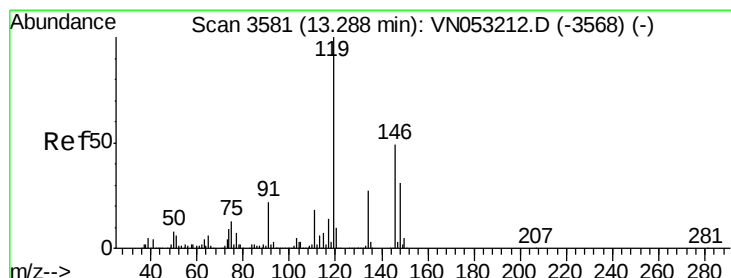
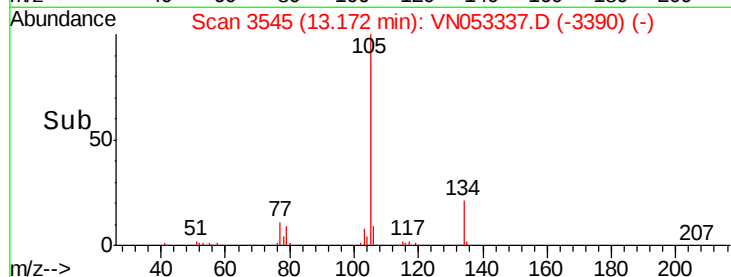
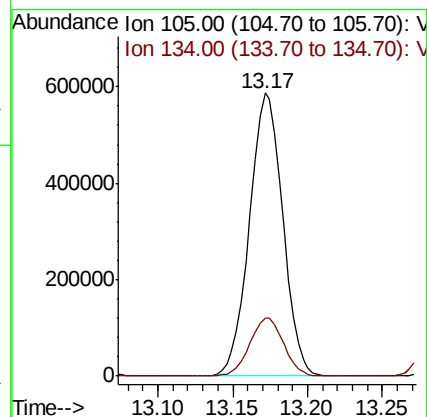
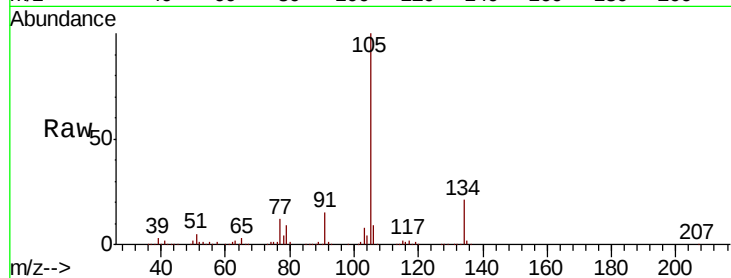
VN0110WBS01

Tgt Ion:105 Resp: 911139

Ion Ratio Lower Upper

105 100

134 20.8 0.0 40.4



#82

p-Isopropyltoluene

Concen: 22.378 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

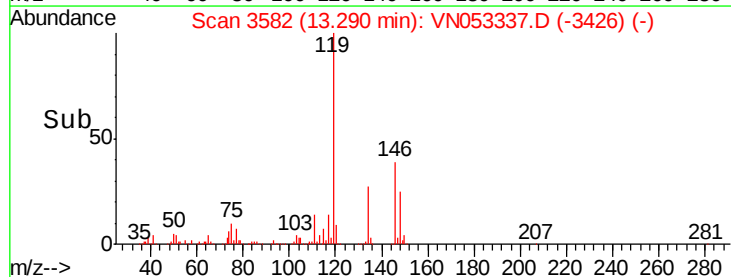
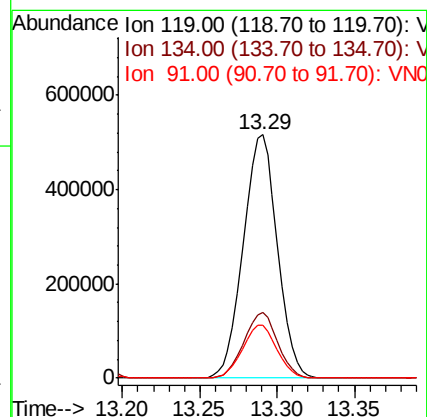
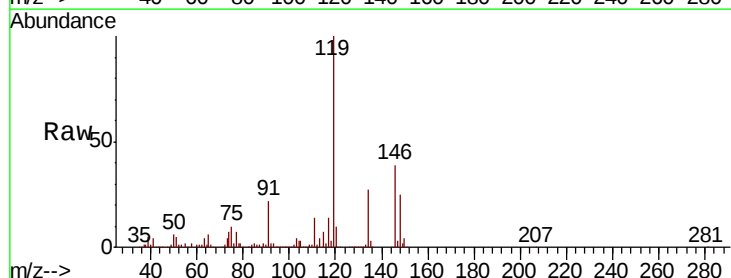
Tgt Ion:119 Resp: 789275

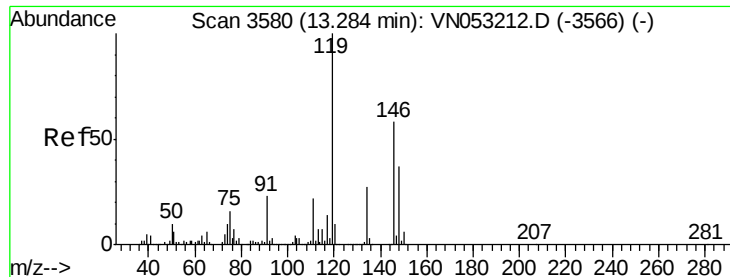
Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.6

91 21.8 0.0 46.2





#83

1,3-Dichlorobenzene

Concen: 21.773 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS01

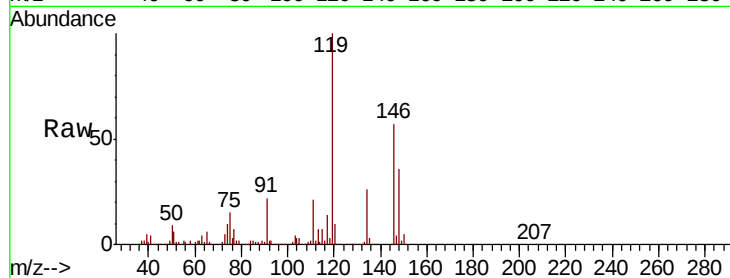
Tgt Ion:146 Resp: 424577

Ion Ratio Lower Upper

146 100

111 37.2 19.7 59.0

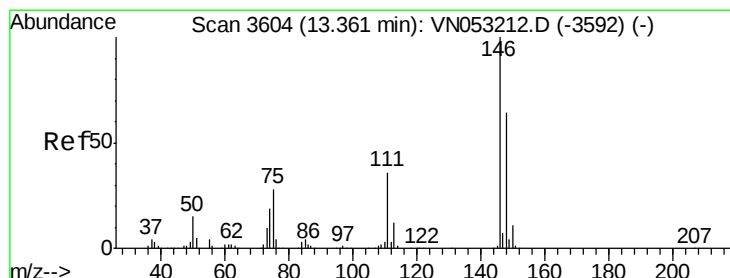
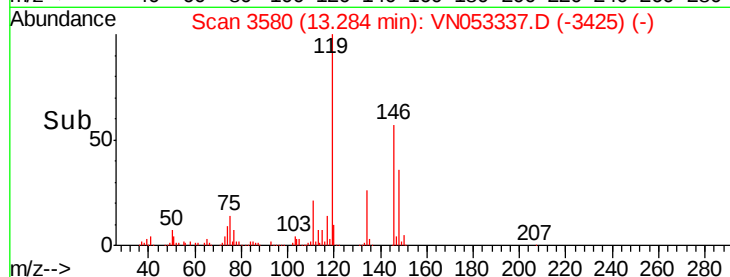
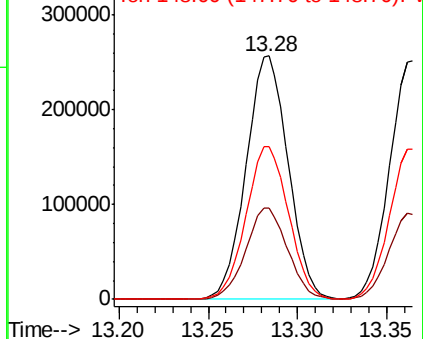
148 63.5 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 21.535 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053337.D

Acq: 10 Jan 2019 13:14

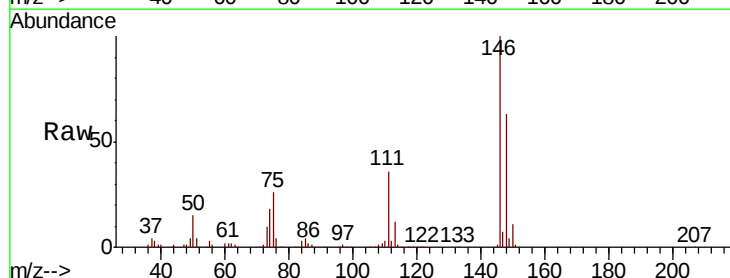
Tgt Ion:146 Resp: 409354

Ion Ratio Lower Upper

146 100

111 36.3 18.8 56.3

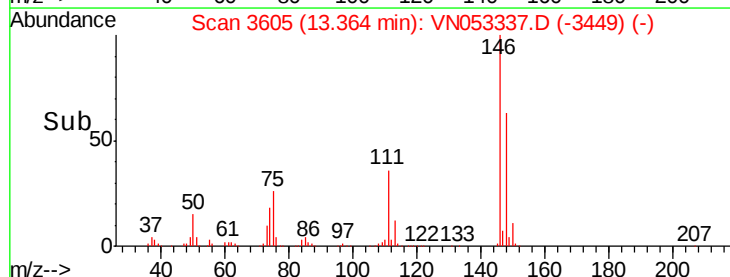
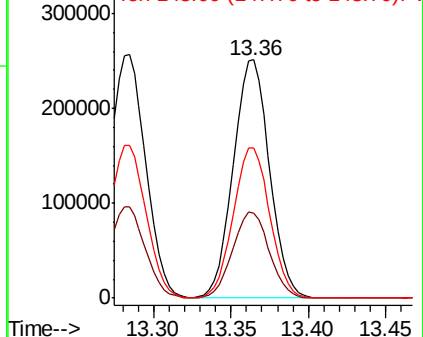
148 63.5 32.5 97.4

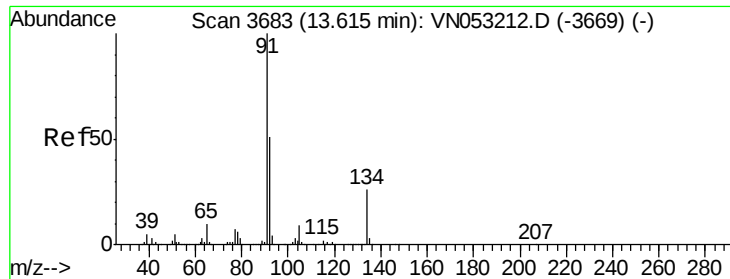


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

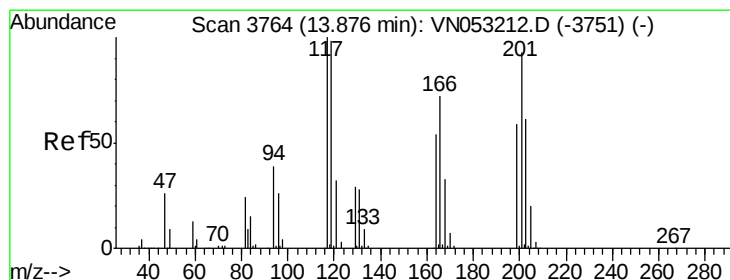
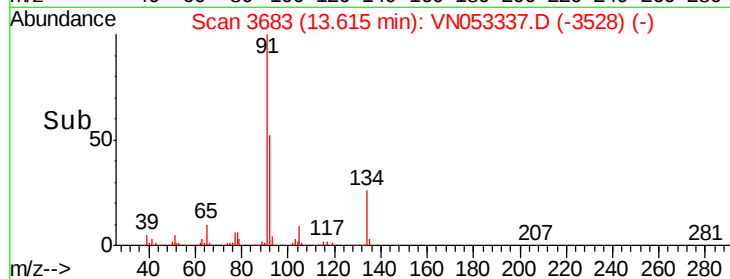
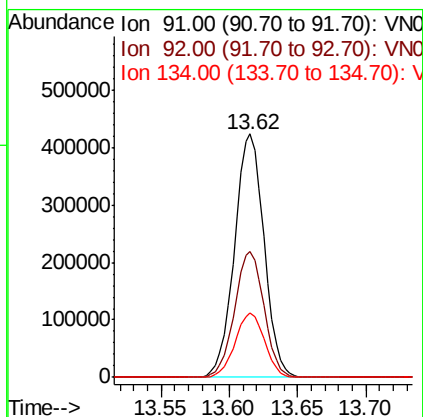
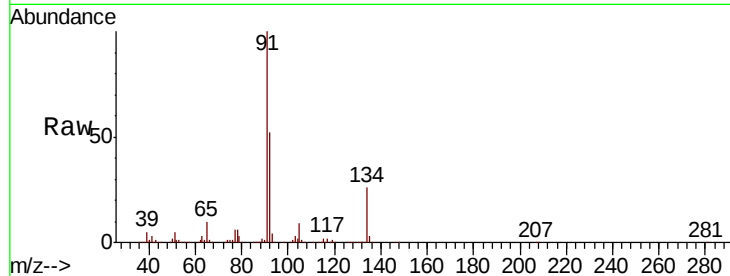




#85
n-Butylbenzene
Concen: 22.173 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

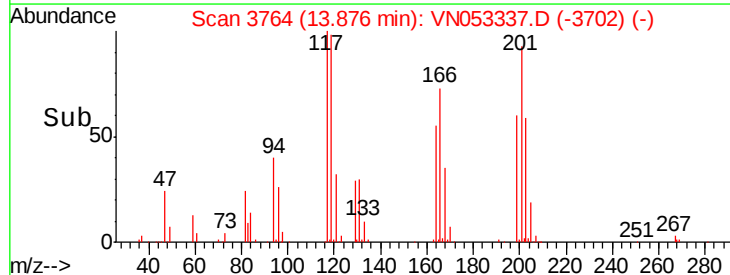
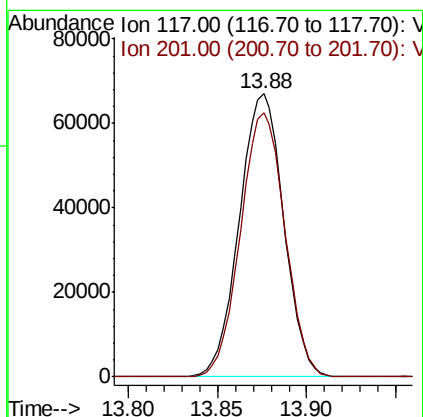
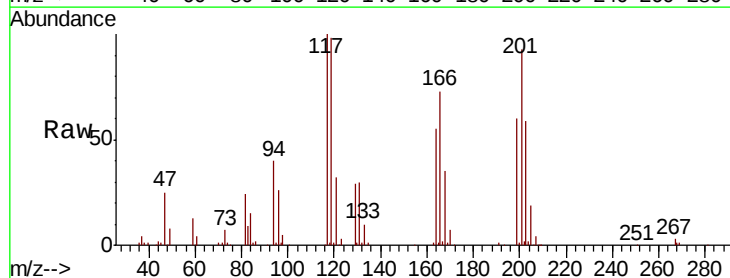
Instrument :
MSVOA_N
ClientSampled :
VN0110WBS01

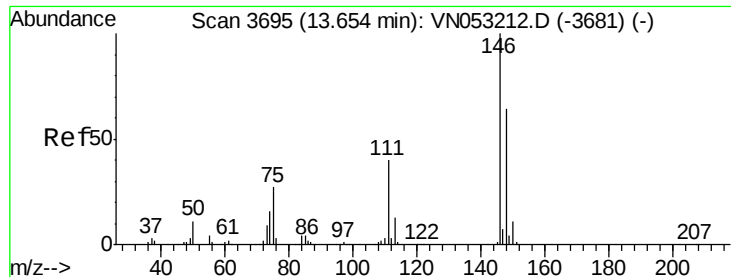
Tgt Ion: 91 Resp: 635964
Ion Ratio Lower Upper
91 100
92 51.5 0.0 104.2
134 26.4 0.0 50.6



#86
Hexachloroethane
Concen: 20.649 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Tgt Ion: 117 Resp: 116278
Ion Ratio Lower Upper
117 100
201 93.2 43.8 131.3

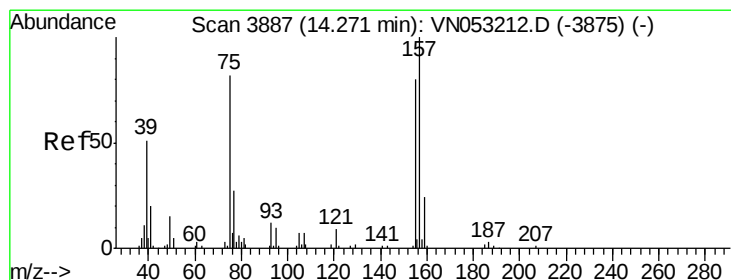
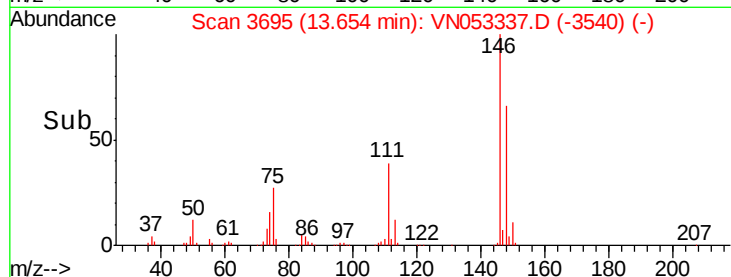
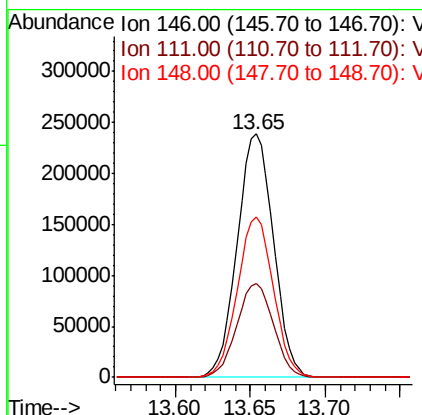
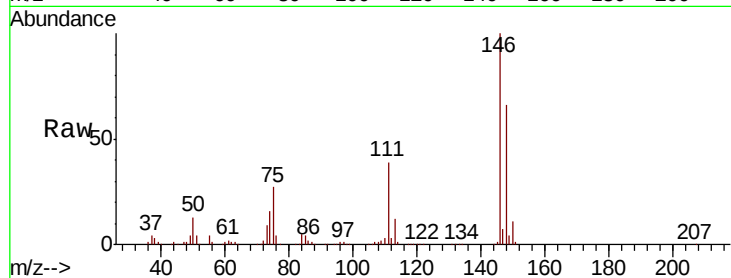




#87
 1,2-Dichlorobenzene
 Concen: 22.258 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

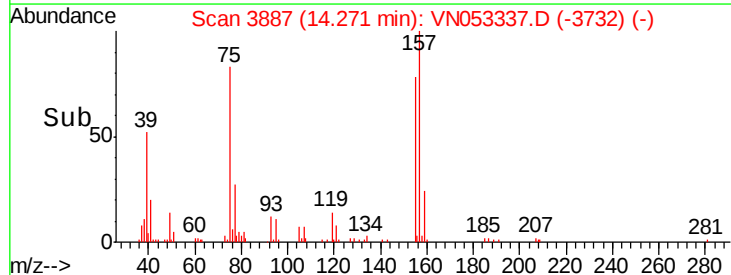
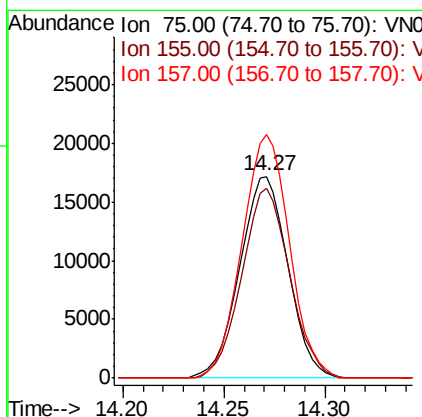
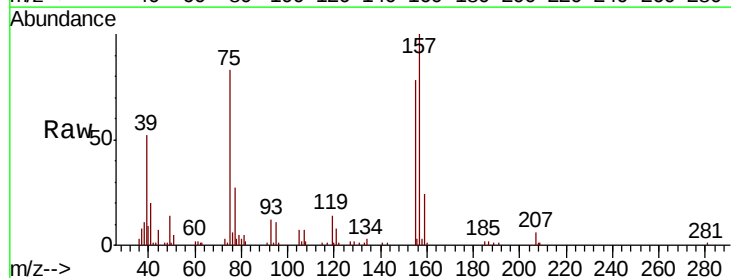
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS01

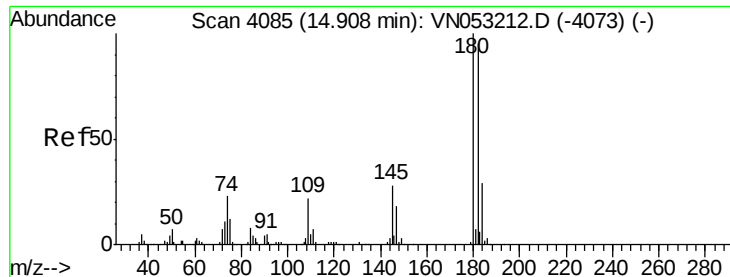
Tgt Ion: 146 Resp: 403305
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.3 60.8
 148 65.3 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.414 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

Tgt Ion: 75 Resp: 28723
 Ion Ratio Lower Upper
 75 100
 155 93.2 72.2 108.2
 157 119.0 94.2 141.2

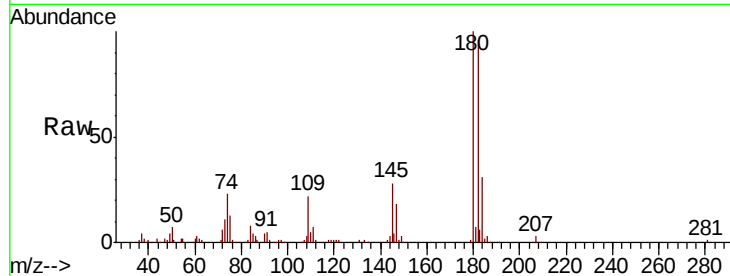




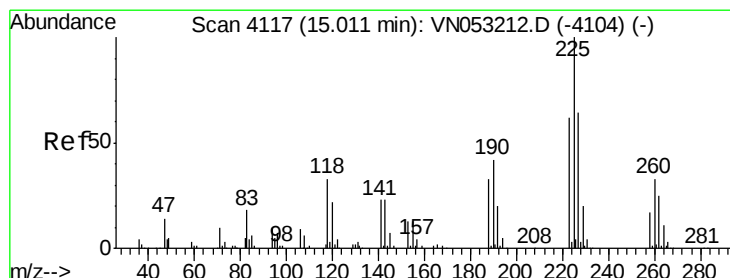
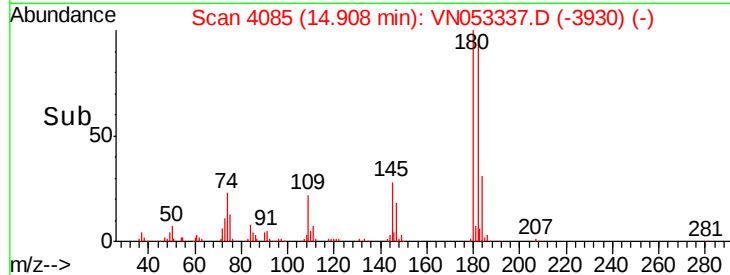
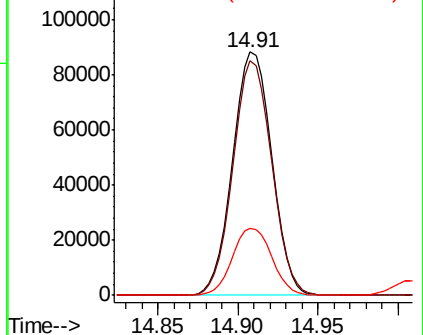
#89
 1,2,4-Trichlorobenzene
 Concen: 16.719 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS01

Tgt Ion:180 Resp: 147034
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 114.8
 145 27.8 23.6 35.4

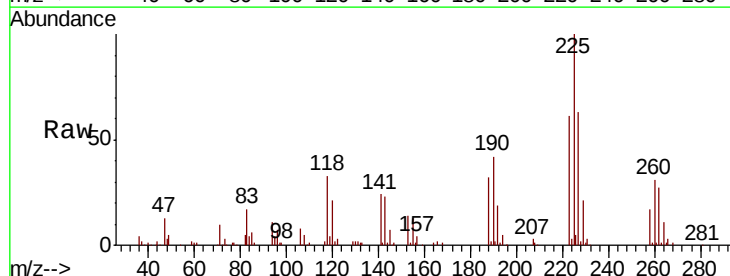


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

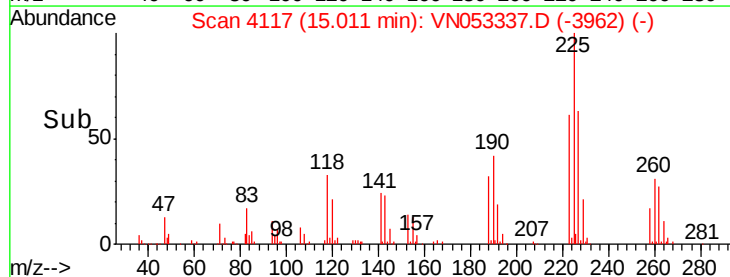
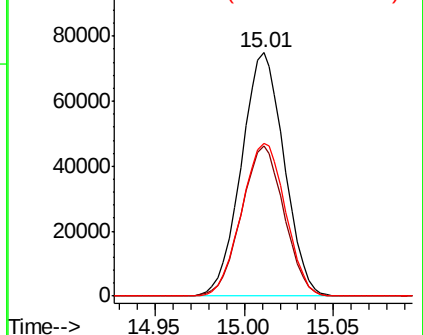


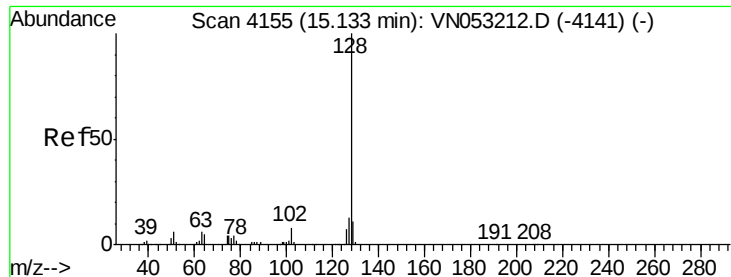
#90
 Hexachlorobutadiene
 Concen: 23.657 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053337.D
 Acq: 10 Jan 2019 13:14

Tgt Ion:225 Resp: 125933
 Ion Ratio Lower Upper
 225 100
 223 61.2 0.0 125.6
 227 64.3 0.0 127.8



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

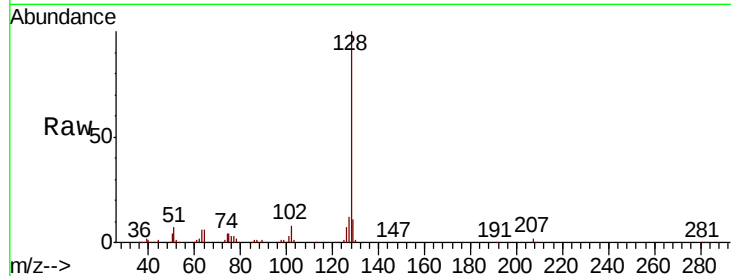




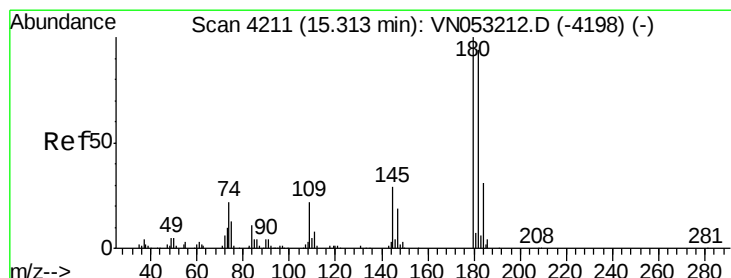
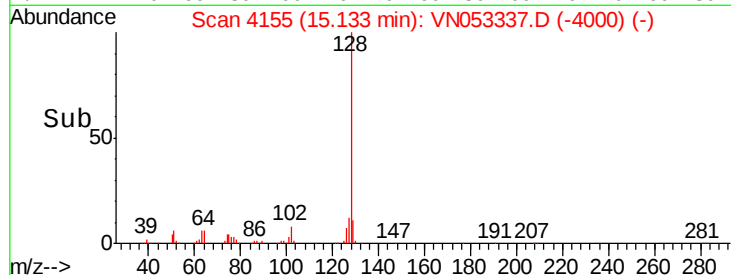
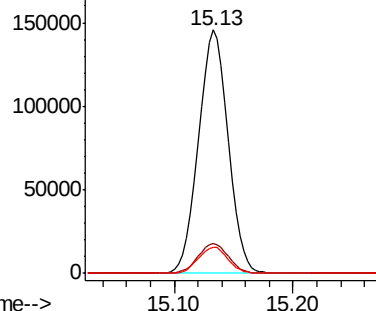
#91
Naphthalene
Concen: 13.458 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS01

Tgt Ion:128 Resp: 251109
Ion Ratio Lower Upper
128 100
127 12.5 9.9 14.9
129 10.7 8.5 12.7

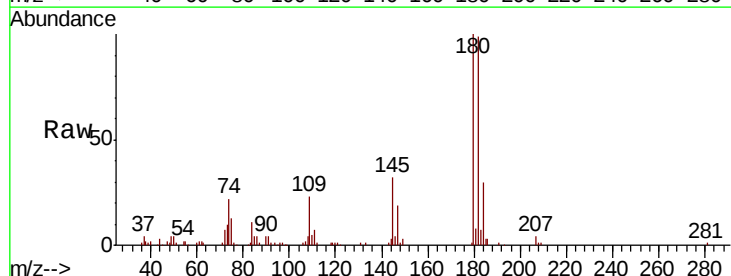


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 12.981 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053337.D
Acq: 10 Jan 2019 13:14

Tgt Ion:180 Resp: 101854
Ion Ratio Lower Upper
180 100
182 97.7 0.0 196.2
145 30.4 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

