

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\
 Data File : VN053502.D
 Acq On : 21 Jan 2019 13:11
 Operator : JC/SP
 Sample : VN0121WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

Quant Time: Jan 22 04:04:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	731463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1094364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	982002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	486788	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	366809	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	7.59	113	327570	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	10.09	98	1324050	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.40	95	455867	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	112343	19.103	ug/l	99
3) Chloromethane	2.06	50	151361	18.001	ug/l	98
4) Vinyl Chloride	2.19	62	152564	18.823	ug/l	98
5) Bromomethane	2.57	94	108599	19.527	ug/l	98
6) Chloroethane	2.71	64	93472	19.074	ug/l	96
7) Trichlorofluoromethane	3.03	101	212259	20.021	ug/l	99
8) Diethyl Ether	3.41	74	78047	19.601	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	132150	19.682	ug/l	99
10) Methyl Iodide	3.96	142	190604	18.577	ug/l	99
11) Tert butyl alcohol	4.77	59	38426	108.619	ug/l	97
12) 1,1-Dichloroethene	3.74	96	126626	19.444	ug/l	98
13) Acrolein	3.61	56	57862	98.934	ug/l	100
14) Allyl chloride	4.32	41	194128	18.352	ug/l	94
15) Acrylonitrile	4.99	53	233324	100.217	ug/l	100
16) Acetone	3.81	43	166807	98.339	ug/l	98
17) Carbon Disulfide	4.06	76	355778	18.066	ug/l	98
18) Methyl Acetate	4.32	43	117355	20.535	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	347189	20.065	ug/l	99
20) Methylene Chloride	4.55	84	148506	19.176	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	139256	20.001	ug/l	99
22) Diisopropyl ether	5.95	45	448084	20.291	ug/l	99
23) Vinyl Acetate	5.89	43	1374099	101.226	ug/l	99
24) 1,1-Dichloroethane	5.85	63	259656	19.890	ug/l	100
25) 2-Butanone	6.83	43	257357	98.456	ug/l	98
26) 2,2-Dichloropropane	6.83	77	188040	19.078	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160598	20.172	ug/l	98
28) Bromochloromethane	7.19	49	116442	20.247	ug/l	99
29) Tetrahydrofuran	7.21	42	172077	101.122	ug/l	100
30) Chloroform	7.37	83	258051	20.288	ug/l	99
31) Cyclohexane	7.65	56	241692	18.885	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	212547	19.699	ug/l	99
36) 1,1-Dichloropropene	7.79	75	198080	19.875	ug/l	99
37) Ethyl Acetate	6.92	43	116456	20.310	ug/l	99
38) Carbon Tetrachloride	7.77	117	186355	19.750	ug/l	100

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	233236	18.934	ug/l	98
40) Benzene	8.04	78	605120	19.980	ug/l	99
41) Methacrylonitrile	7.17	41	60138	18.082	ug/l #	92
42) 1,2-Dichloroethane	8.12	62	181343	20.553	ug/l	100
43) Isopropyl Acetate	8.16	43	205940	19.974	ug/l	100
44) Trichloroethene	8.83	130	170417	20.290	ug/l	100
45) 1,2-Dichloropropane	9.12	63	160192	19.969	ug/l	100
46) Dibromomethane	9.21	93	91970	19.955	ug/l	99
47) Bromodichloromethane	9.40	83	190959	19.702	ug/l	96
48) Methyl methacrylate	9.20	41	103987	19.533	ug/l	99
49) 1,4-Dioxane	9.20	88	21942	422.035	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	563309	100.083	ug/l	100
52) Toluene	10.15	92	374717	19.929	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	190897	19.431	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	226619	19.678	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	133687	20.623	ug/l	99
56) Ethyl methacrylate	10.43	69	164475	19.200	ug/l	100
57) 1,3-Dichloropropane	10.71	76	228123	20.343	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	455529	100.447	ug/l	99
59) 2-Hexanone	10.75	43	377432	95.526	ug/l	99
60) Dibromochloromethane	10.90	129	149040	20.271	ug/l	99
61) 1,2-Dibromoethane	11.00	107	130094	19.843	ug/l	99
64) Tetrachloroethene	10.63	164	189288	20.454	ug/l	98
65) Chlorobenzene	11.43	112	417087	20.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	145456	20.116	ug/l	99
67) Ethyl Benzene	11.51	91	701362	19.799	ug/l	100
68) m/p-Xylenes	11.62	106	541095	40.457	ug/l	100
69) o-Xylene	11.95	106	260085	20.013	ug/l	100
70) Styrene	11.96	104	432191	20.491	ug/l	100
71) Bromoform	12.13	173	101529	20.395	ug/l #	98
73) Isopropylbenzene	12.25	105	690668	19.375	ug/l	99
74) N-amyl acetate	12.07	43	182501	19.205	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	141817	18.969	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	195628	30.496	ug/l #	100
77) Bromobenzene	12.53	156	181779	19.352	ug/l	99
78) n-propylbenzene	12.59	91	798949	19.525	ug/l	99
79) 2-Chlorotoluene	12.67	91	475962	19.624	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	577207	19.901	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42306	18.378	ug/l	93
82) 4-Chlorotoluene	12.77	91	486727	19.678	ug/l	100
83) tert-Butylbenzene	12.99	119	514904	20.100	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	589952	20.173	ug/l	100
85) sec-Butylbenzene	13.17	105	695952	19.809	ug/l	100
86) p-Isopropyltoluene	13.29	119	608803	19.958	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	325131	19.677	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	322982	19.487	ug/l	99
89) n-Butylbenzene	13.61	91	504160	19.389	ug/l	100
90) Hexachloroethane	13.87	117	90808	18.981	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	315267	20.739	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21024	22.178	ug/l	96

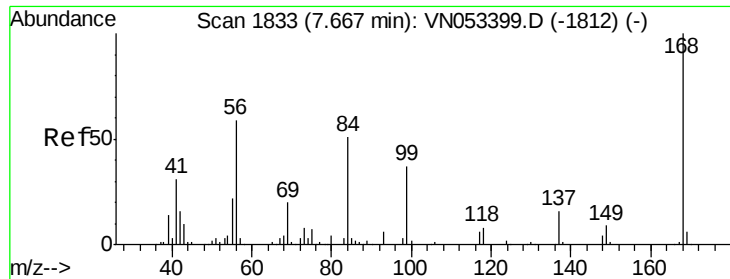
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139782	22.454	ug/l	100
94) Hexachlorobutadiene	15.01	225	103381	21.801	ug/l	99
95) Naphthalene	15.13	128	240040	22.730	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	100727	22.825	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

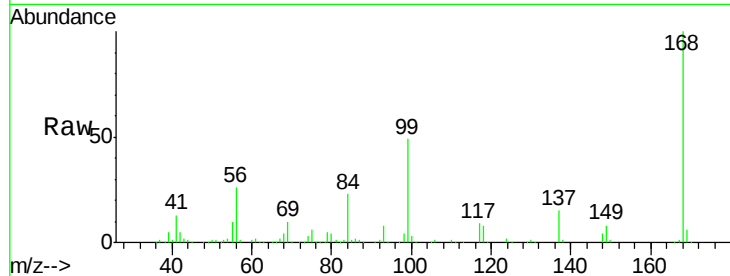
VN0121WBSD01

Tot Ion:168 Resp: 731463

Ion Ratio Lower Upper

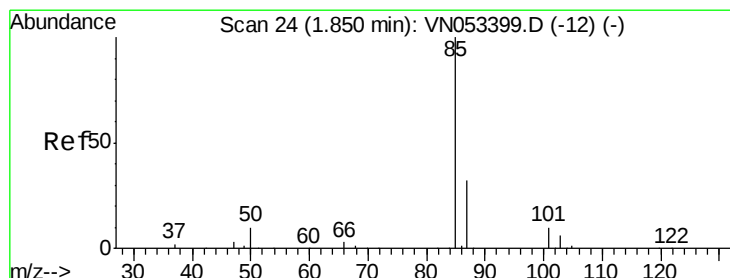
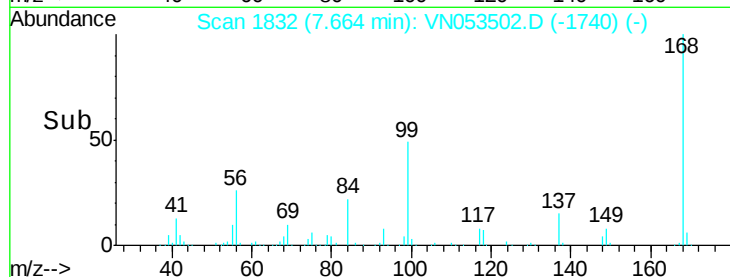
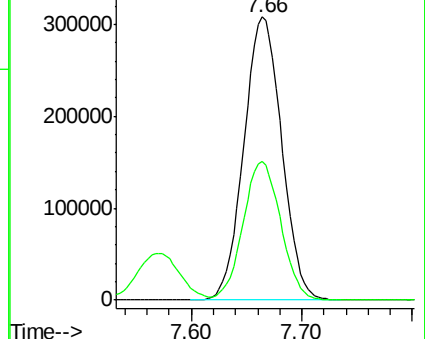
168 100

99 48.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.103 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053502.D

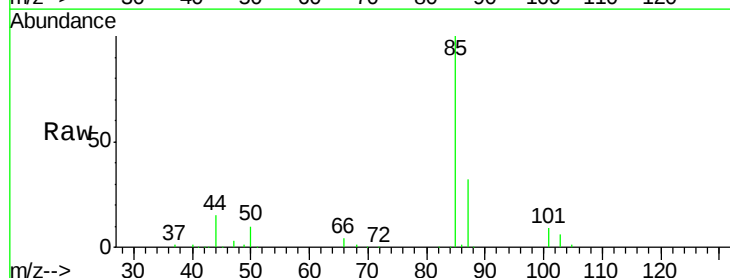
Acq: 21 Jan 2019 13:11

Tgt Ion: 85 Resp: 112343

Ion Ratio Lower Upper

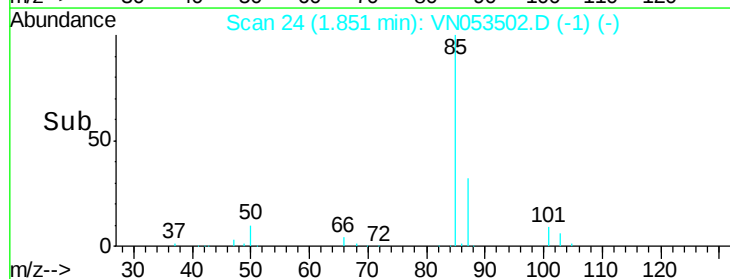
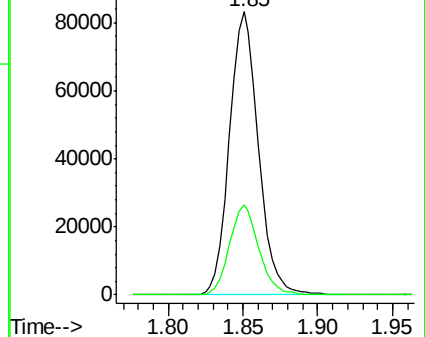
85 100

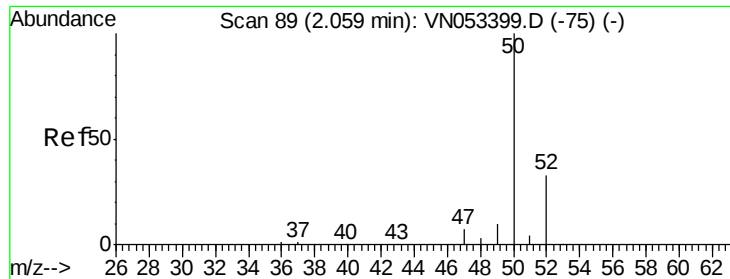
87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.001 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

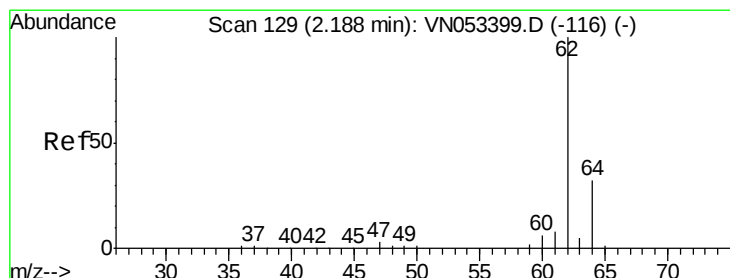
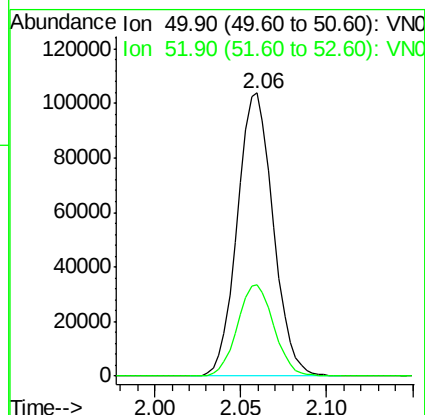
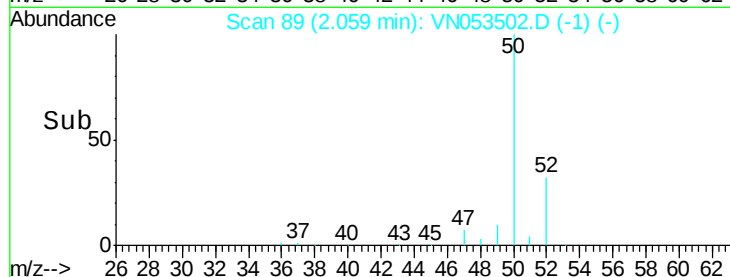
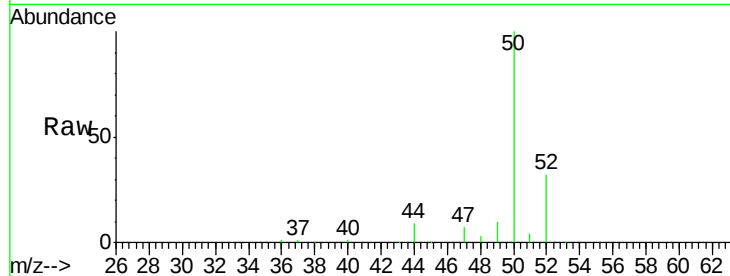
VN0121WBSD01

Tot Ion: 50 Resp: 151361

Ion Ratio Lower Upper

50 100

52 32.4 26.6 40.0



#4

Vinyl Chloride

Concen: 18.823 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053502.D

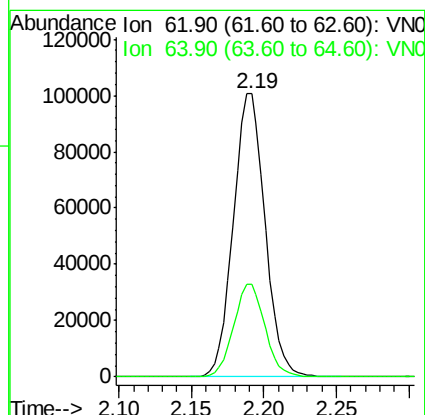
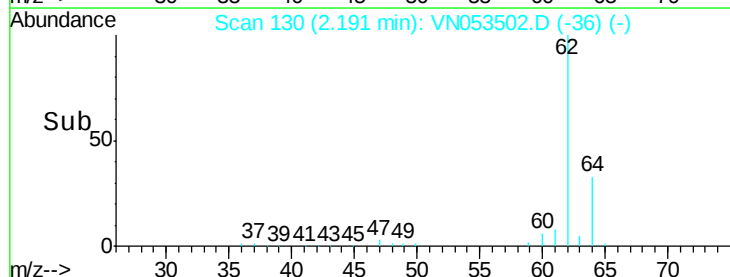
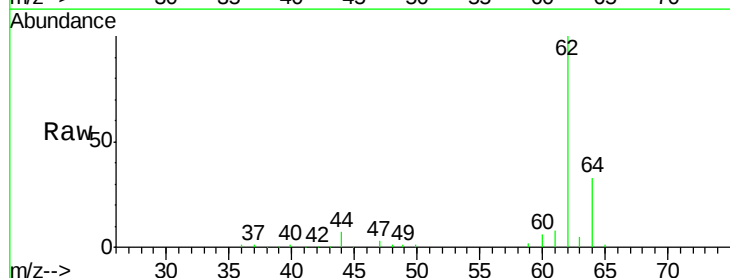
Acq: 21 Jan 2019 13:11

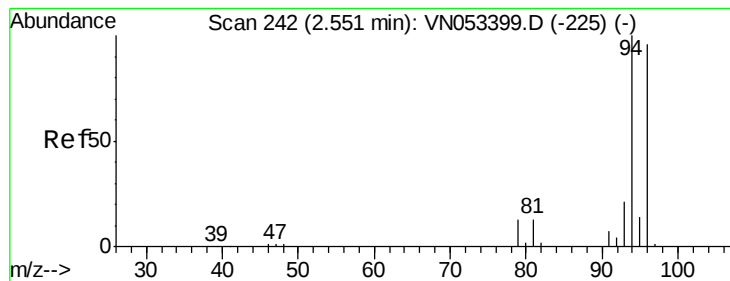
Tgt Ion: 62 Resp: 152564

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.2





#5

Bromomethane

Concen: 19.527 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.02 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

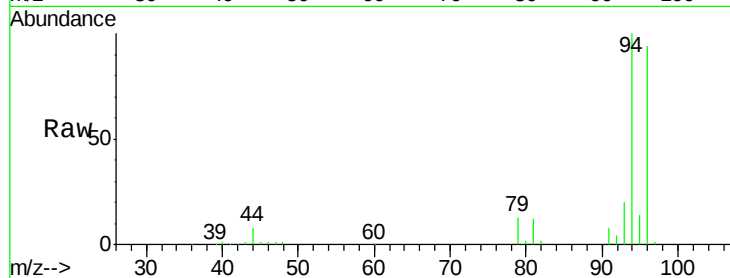
VN0121WBSD01

Tot Ion: 94 Resp: 108599

Ion Ratio Lower Upper

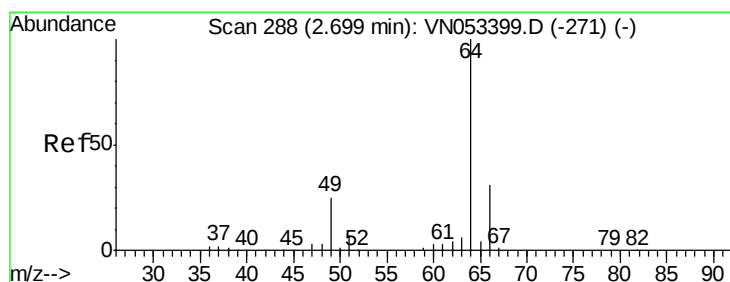
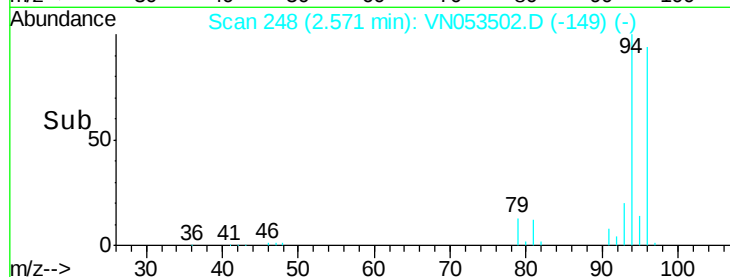
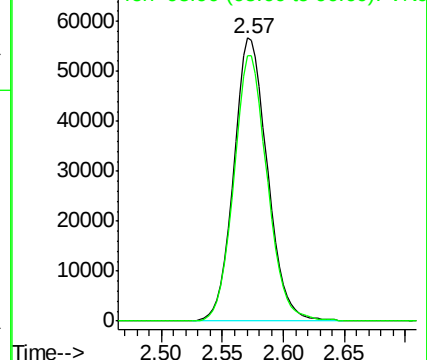
94 100

96 93.8 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.074 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053502.D

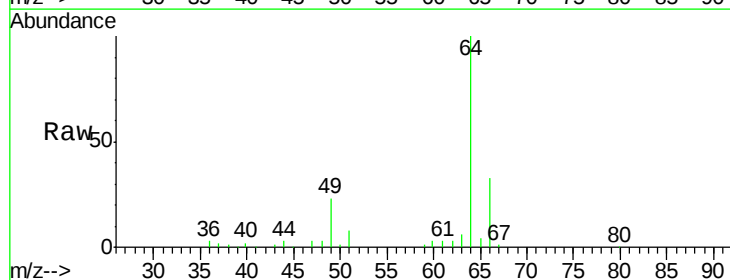
Acq: 21 Jan 2019 13:11

Tgt Ion: 64 Resp: 93472

Ion Ratio Lower Upper

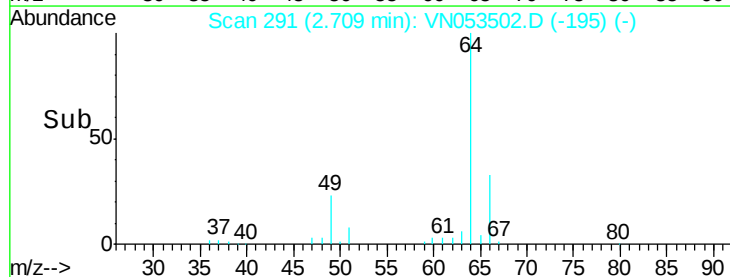
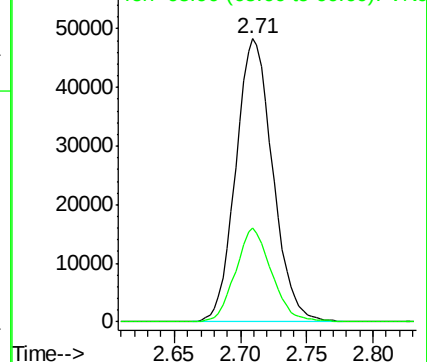
64 100

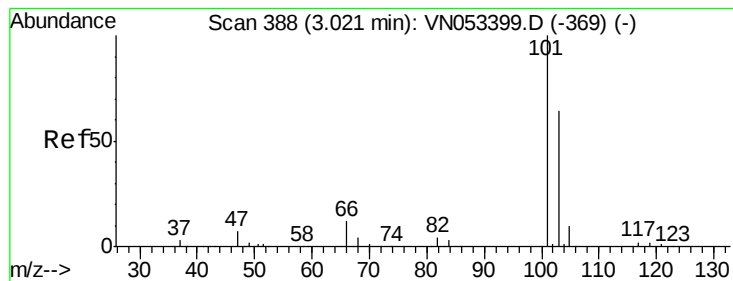
66 33.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



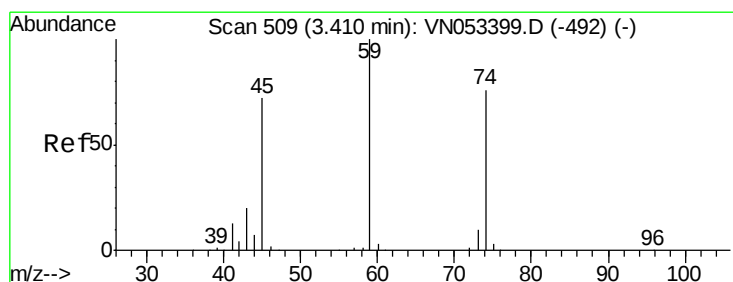
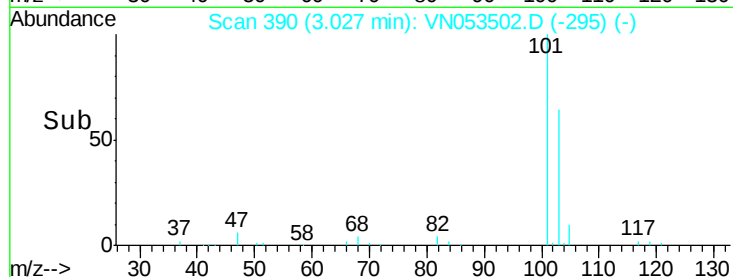
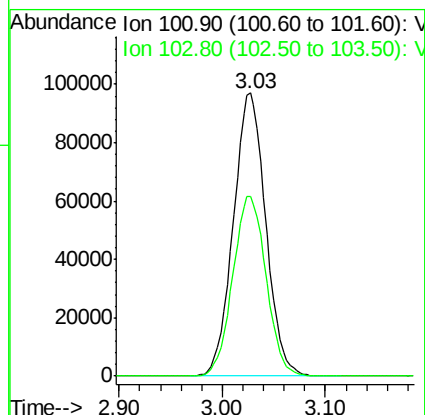
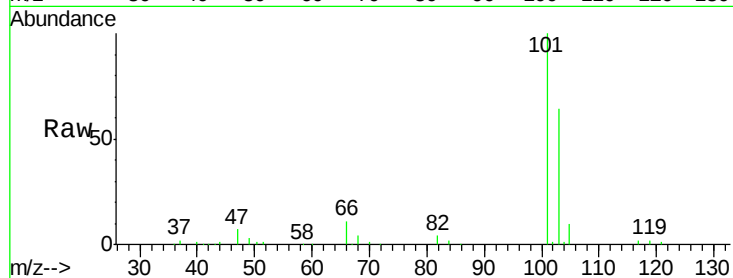


#7

Trichlorofluoromethane
Concen: 20.021 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.01 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Instrument :
MSVOA_N
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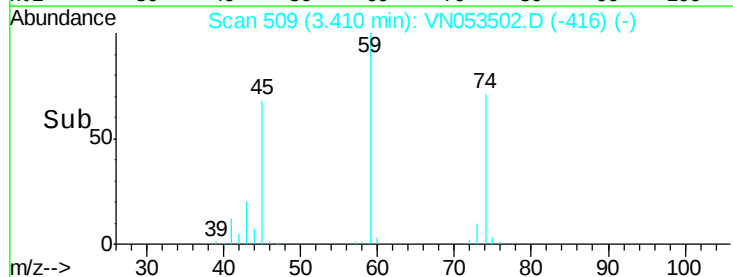
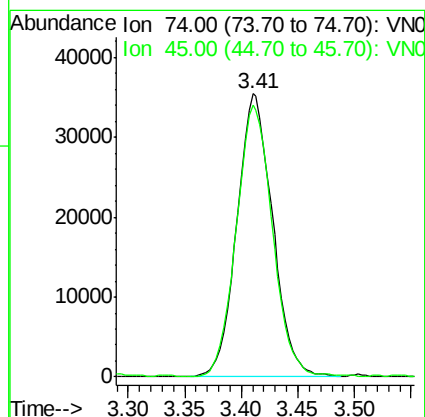
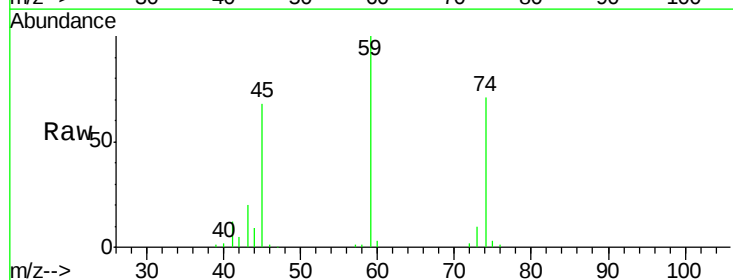
Tot Ion:101 Resp: 212259
Ion Ratio Lower Upper
101 100
103 63.5 51.6 77.4

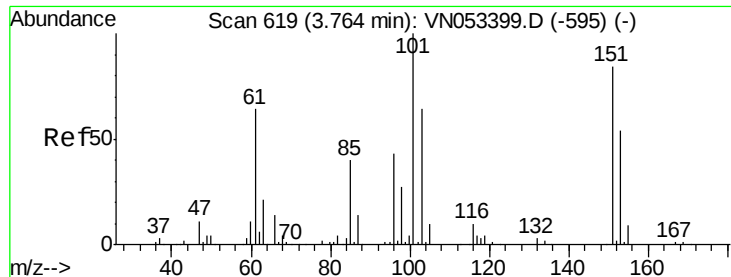


#8

Diethyl Ether
Concen: 19.601 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Tgt Ion: 74 Resp: 78047
Ion Ratio Lower Upper
74 100
45 96.8 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.682 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

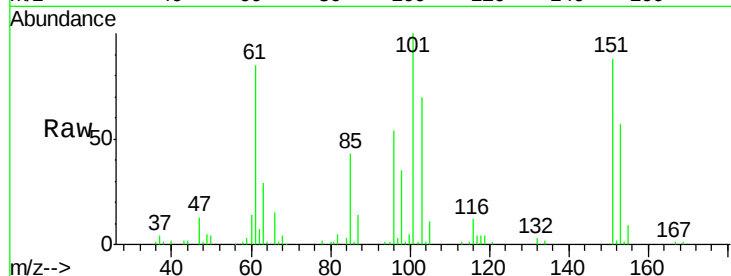
Tot Ion:101 Resp: 132150

Ion Ratio Lower Upper

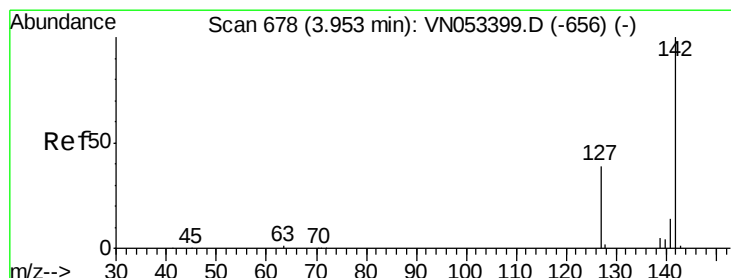
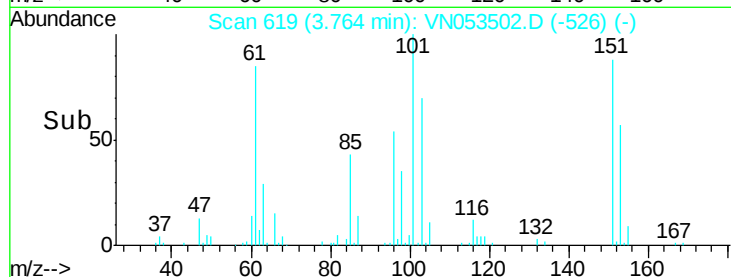
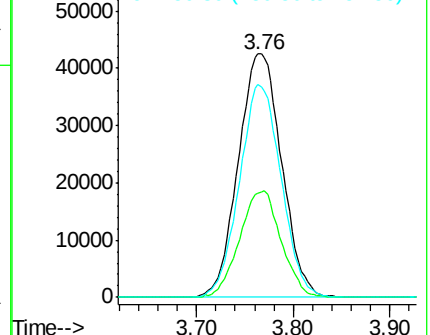
101 100

85 42.1 32.8 49.2

151 84.4 66.9 100.3



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



#10

Methyl Iodide

Concen: 18.577 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

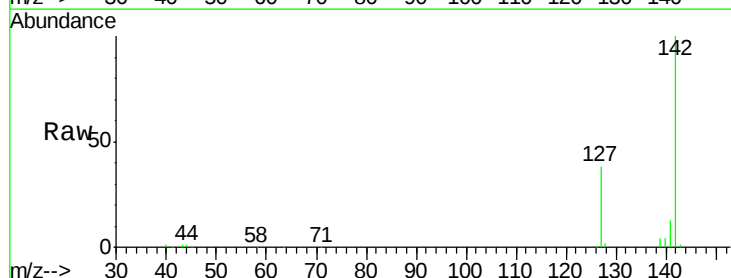
Tgt Ion:142 Resp: 190604

Ion Ratio Lower Upper

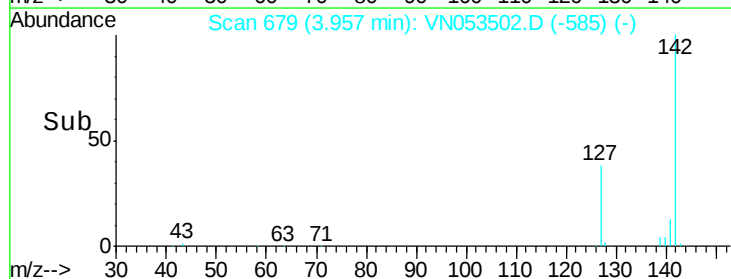
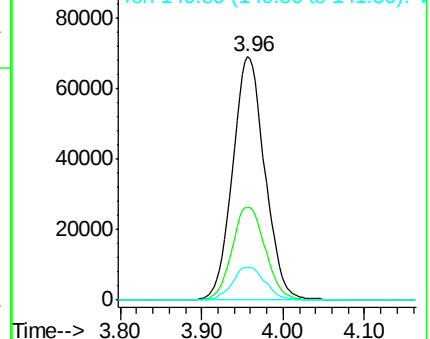
142 100

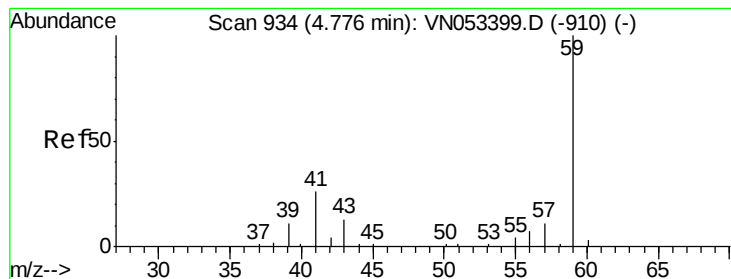
127 39.4 31.0 46.4

141 13.9 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



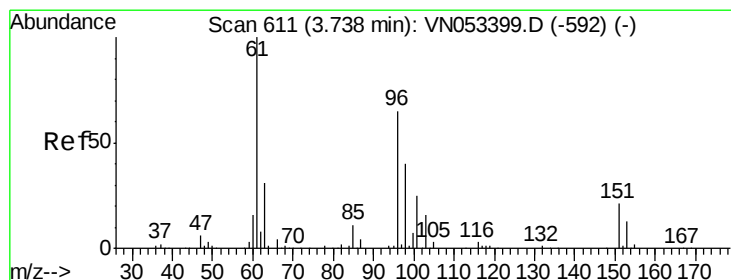
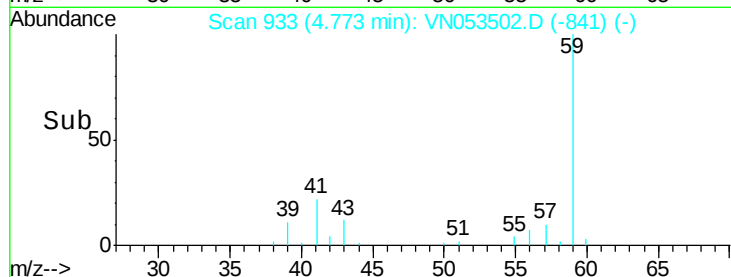
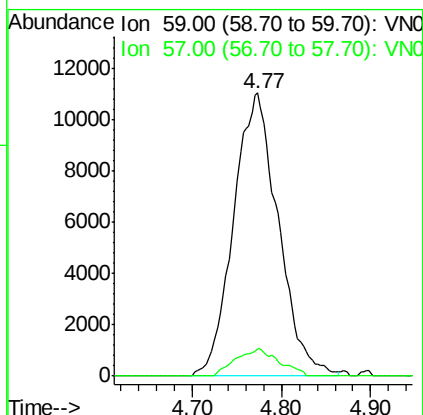
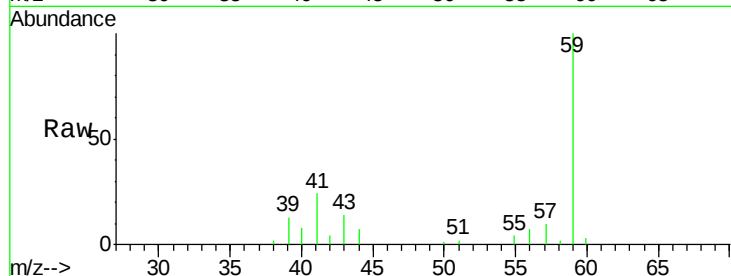


#11

Tert butyl alcohol
 Concen: 108.619 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

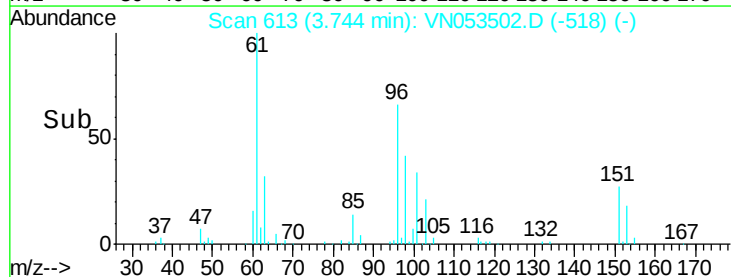
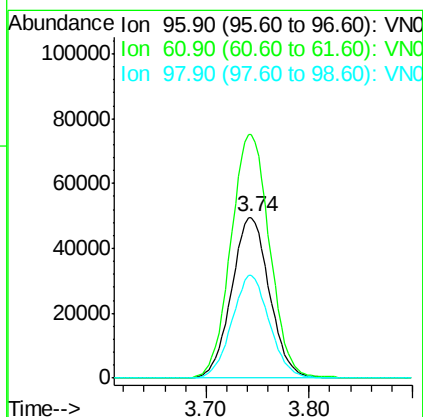
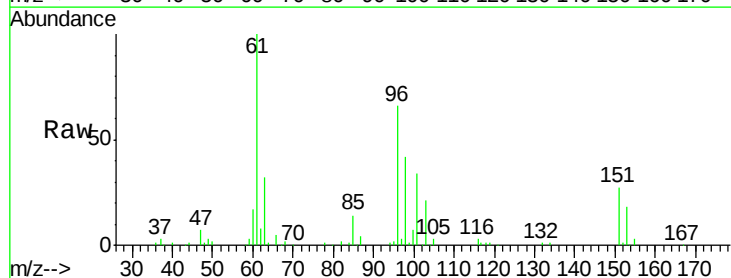
Tot Ion: 59 Resp: 38426
 Ion Ratio Lower Upper
 59 100
 57 9.2 8.2 12.4

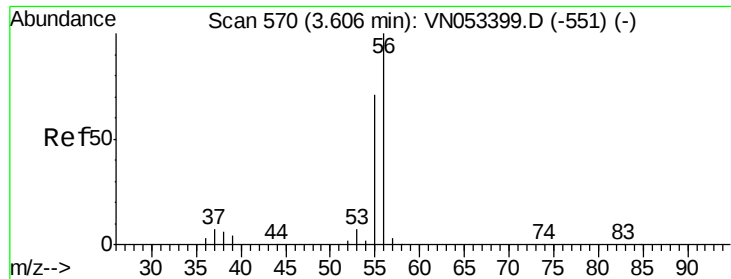


#12

1,1-Dichloroethene
 Concen: 19.444 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

Tgt Ion: 96 Resp: 126626
 Ion Ratio Lower Upper
 96 100
 61 151.4 122.9 184.3
 98 64.3 49.4 74.0





#13

Acrolein

Concen: 98.934 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

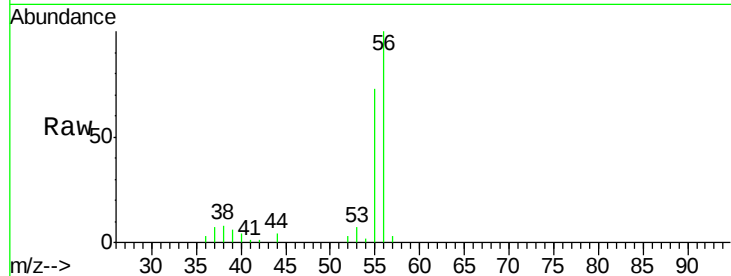
VN0121WBSD01

Tot Ion: 56 Resp: 57862

Ion Ratio Lower Upper

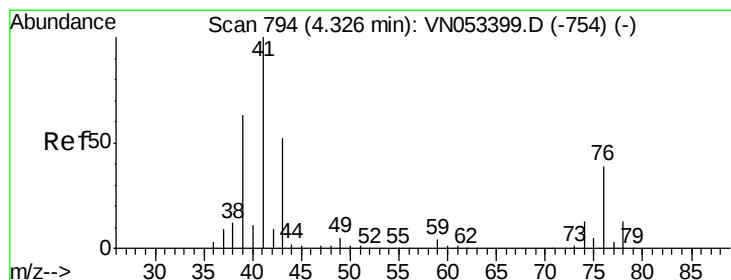
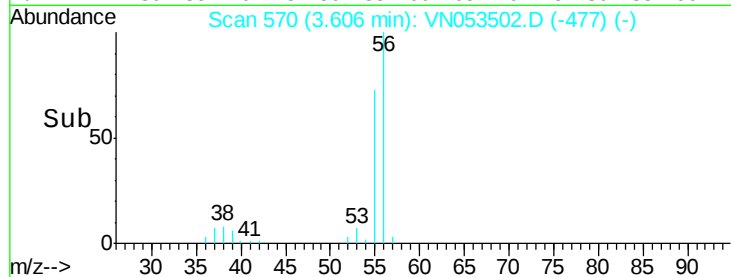
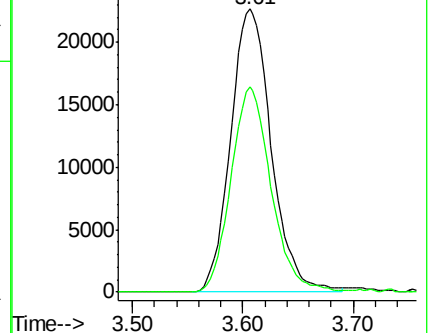
56 100

55 71.6 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.352 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

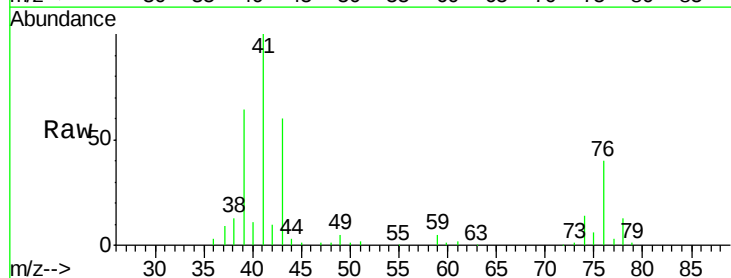
Tgt Ion: 41 Resp: 194128

Ion Ratio Lower Upper

41 100

39 66.0 48.9 73.3

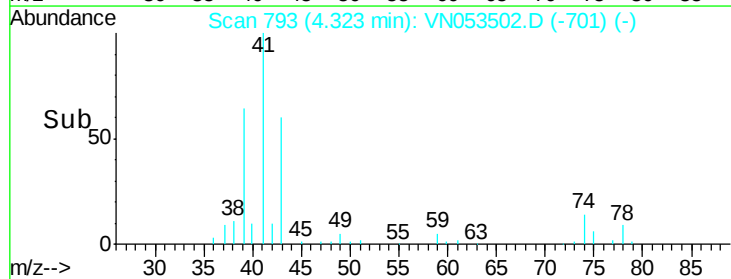
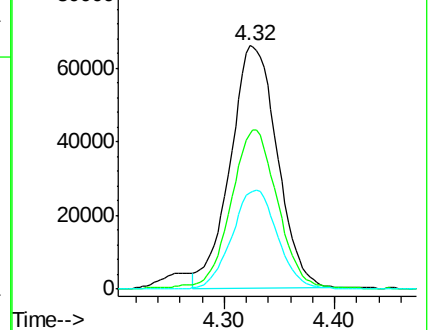
76 39.8 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 100.217 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

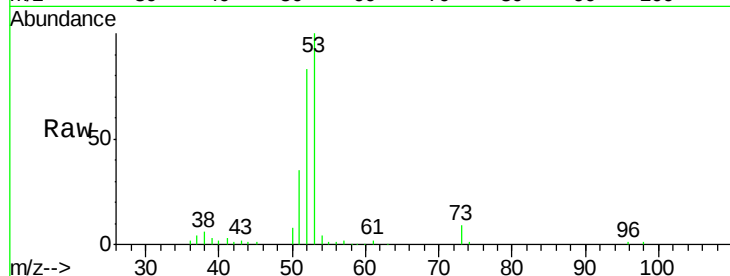
Tot Ion: 53 Resp: 233324

Ion Ratio Lower Upper

53 100

52 82.7 66.0 99.0

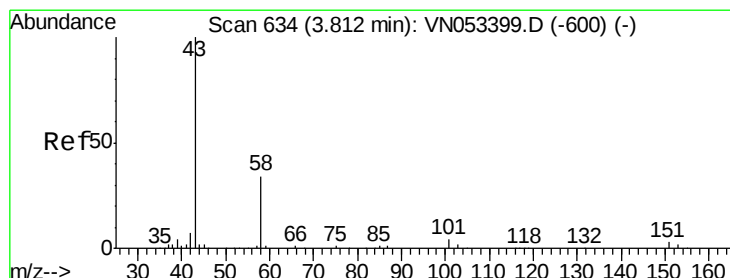
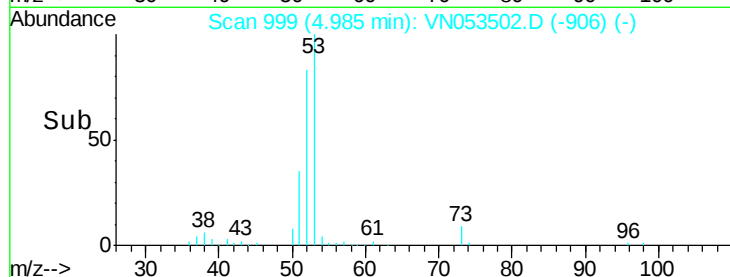
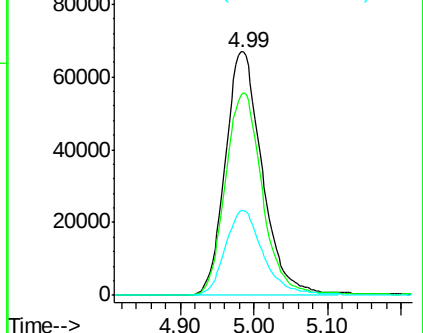
51 35.6 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 98.339 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053502.D

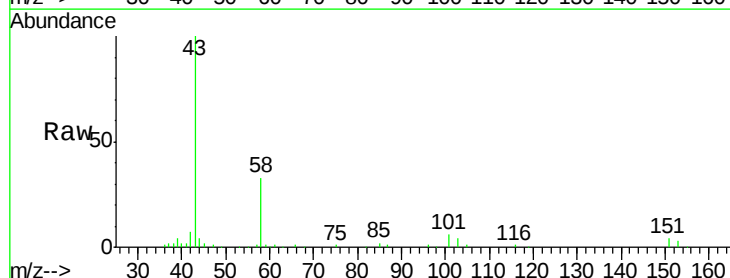
Acq: 21 Jan 2019 13:11

Tgt Ion: 43 Resp: 166807

Ion Ratio Lower Upper

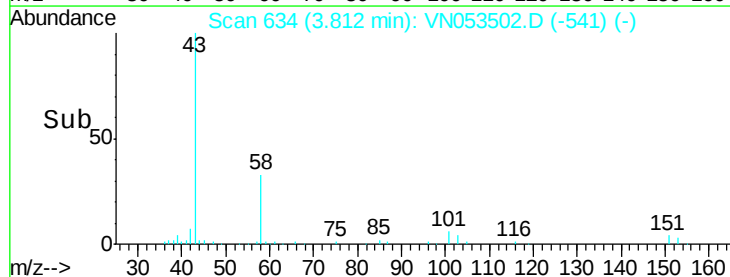
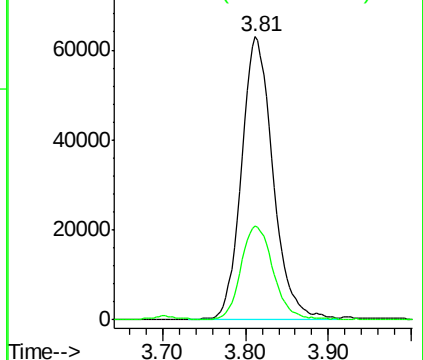
43 100

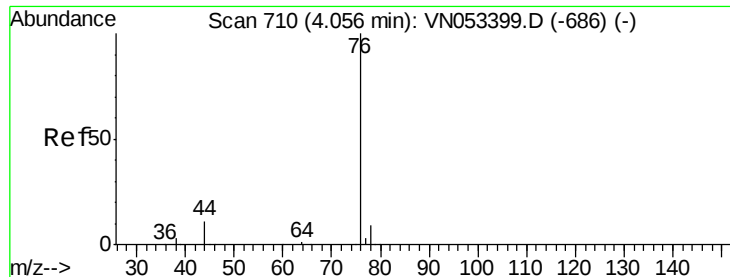
58 32.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

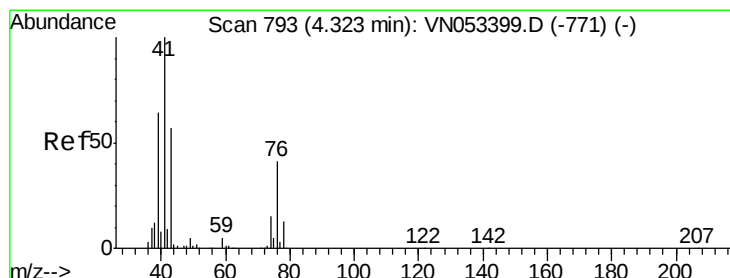
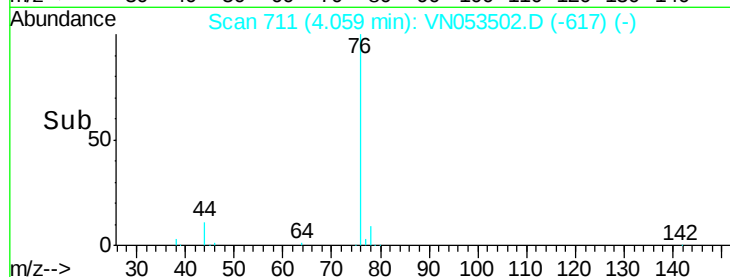
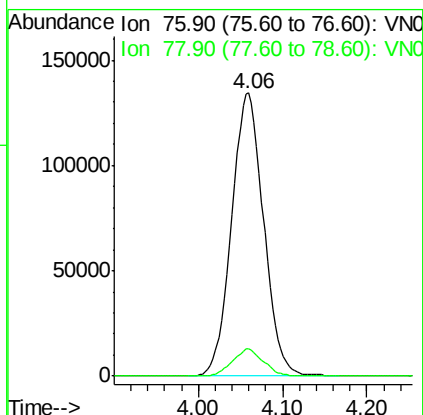
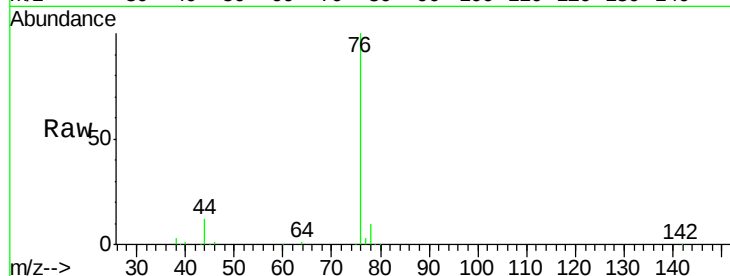




#17
Carbon Disulfide
Concen: 18.066 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

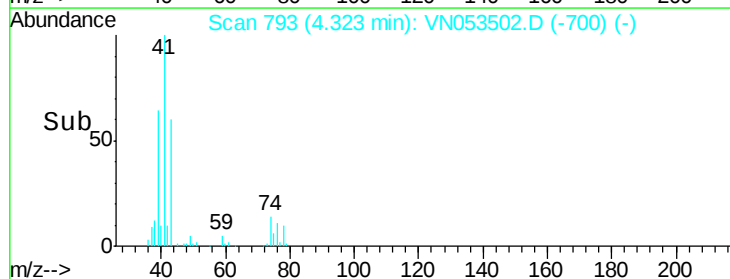
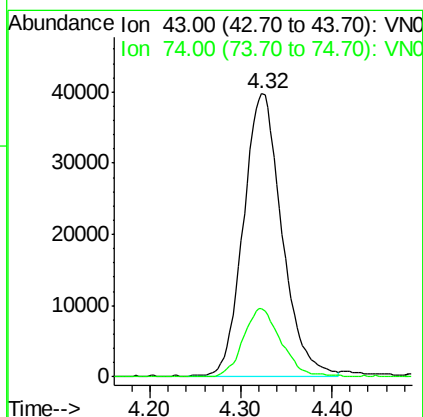
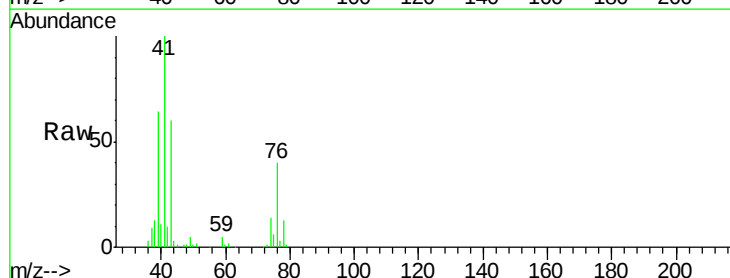
Instrument :
MSVOA_N
ClientSampled :
VN0121WBSD01

Tot Ion: 76 Resp: 355778
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9



#18
Methyl Acetate
Concen: 20.535 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Tgt Ion: 43 Resp: 117355
Ion Ratio Lower Upper
43 100
74 23.7 19.4 29.2

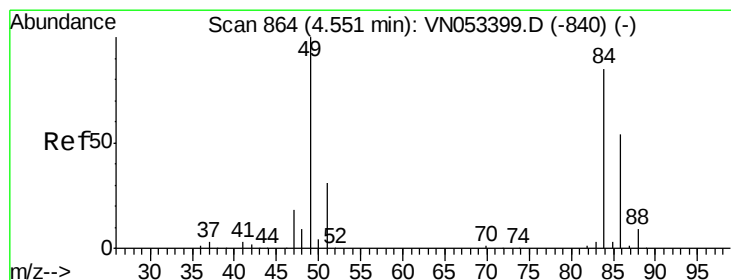
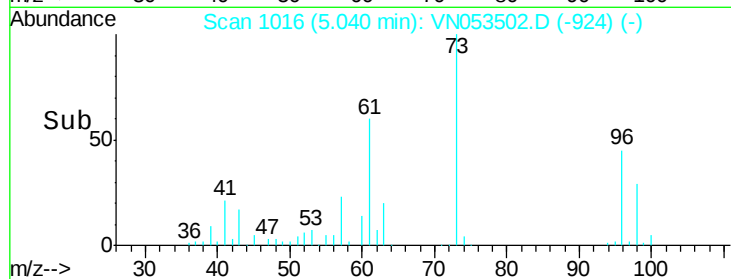
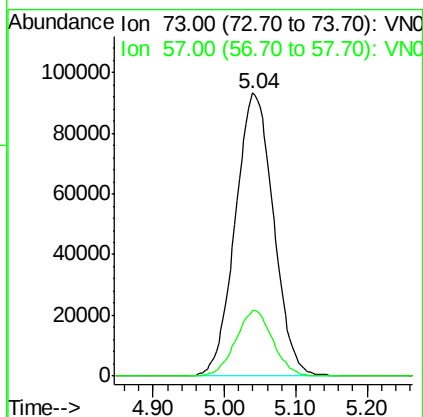
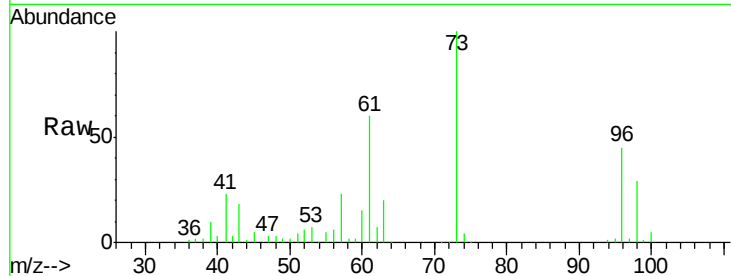




#19
Methvl tert-butvl Ether
Concen: 20.065 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

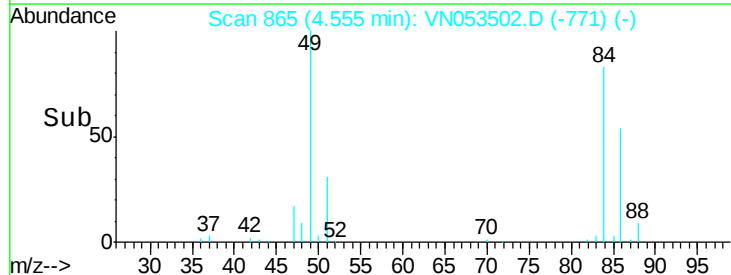
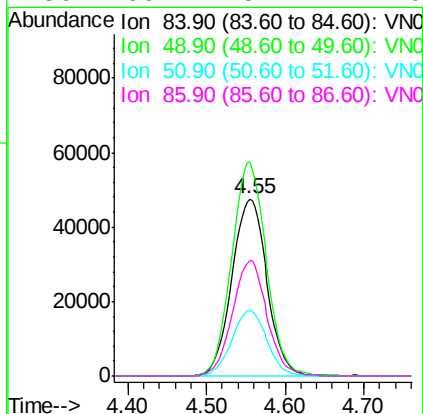
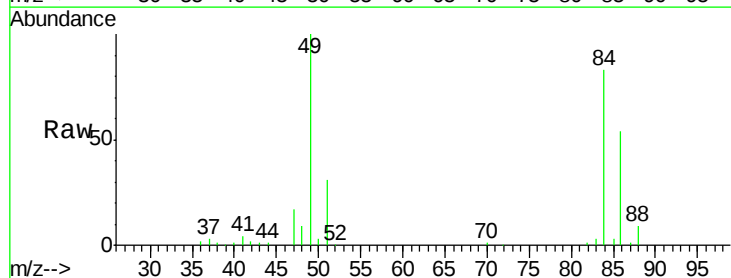
Instrument :
MSVOA_N
ClientSampled :
VN0121WBSD01

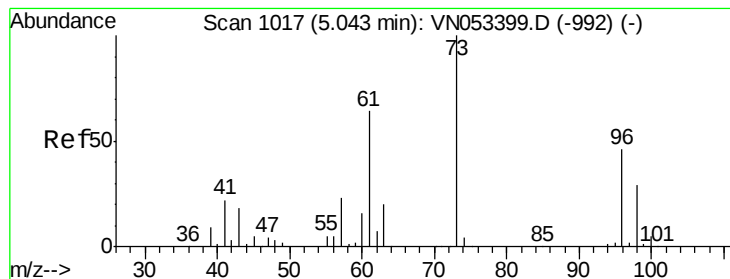
Tot Ion: 73 Resp: 347189
Ion Ratio Lower Upper
73 100
57 23.2 18.3 27.5



#20
Methylene Chloride
Concen: 19.176 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Tgt Ion: 84 Resp: 148506
Ion Ratio Lower Upper
84 100
49 120.8 94.3 141.5
51 37.1 29.4 44.2
86 65.1 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.001 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

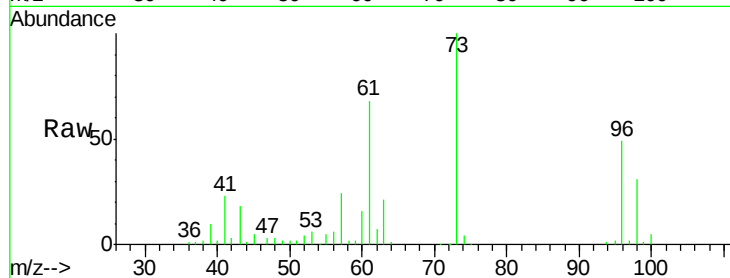
Tot Ion: 96 Resp: 139256

Ion Ratio Lower Upper

96 100

61 136.7 110.1 165.1

98 62.8 50.0 75.0

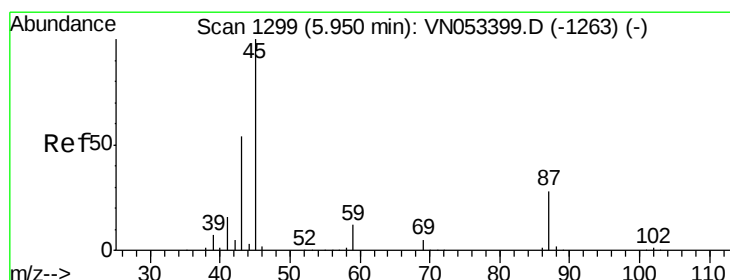
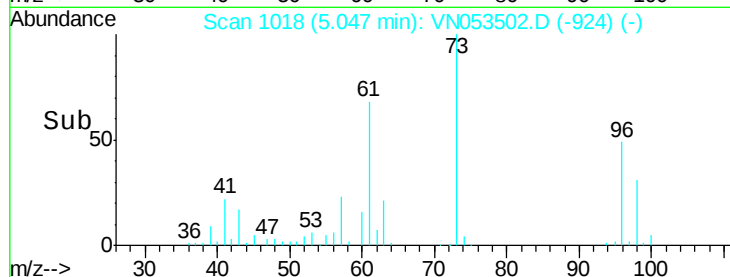
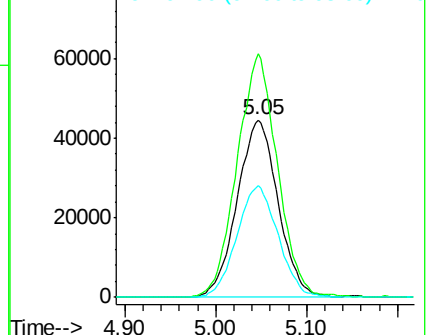


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.291 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Tgt Ion: 45 Resp: 448084

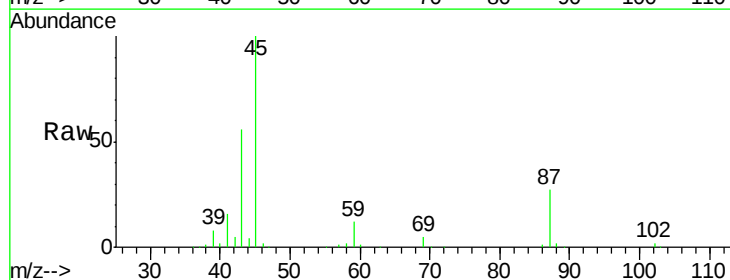
Ion Ratio Lower Upper

45 100

43 55.1 44.2 66.4

87 27.5 22.7 34.1

59 11.7 9.4 14.2



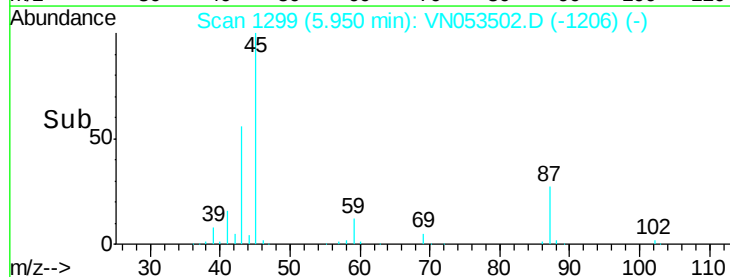
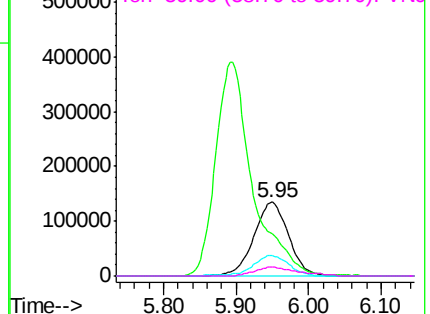
Abundance

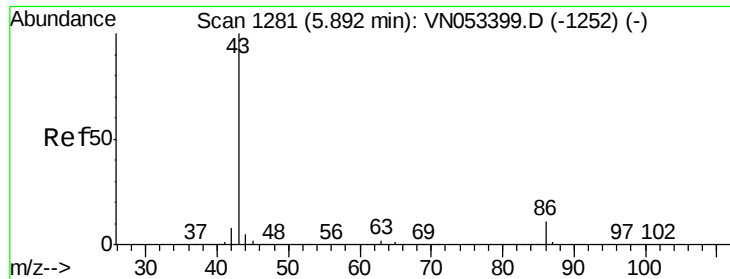
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

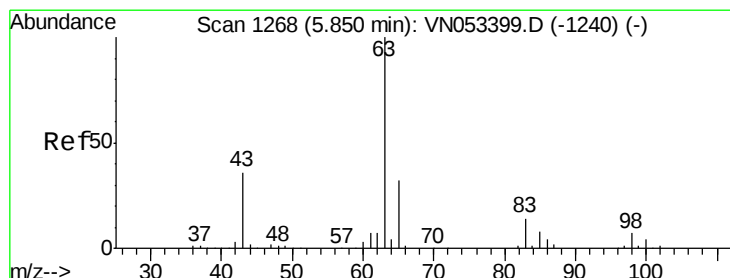
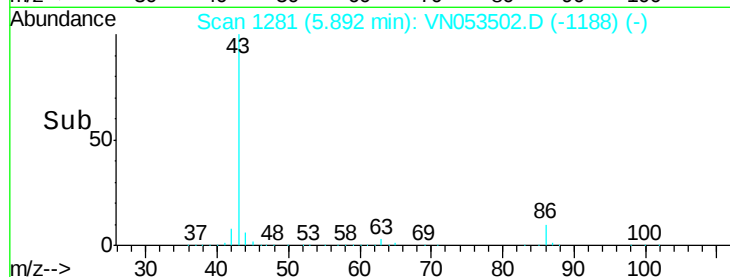
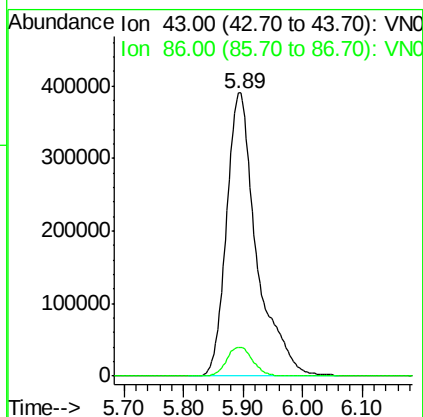
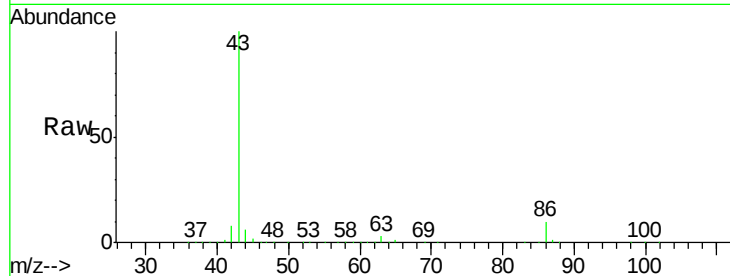




#23
 Vinyl Acetate
 Concen: 101.226 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

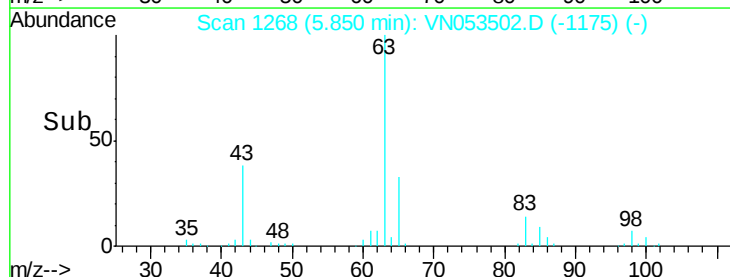
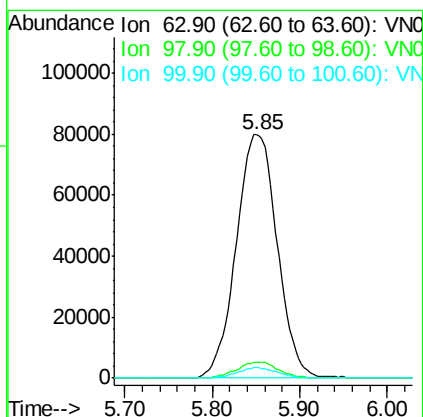
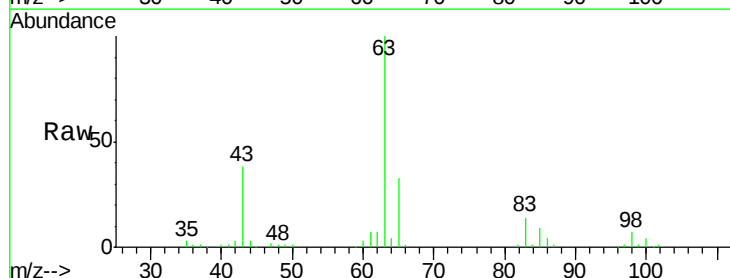
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

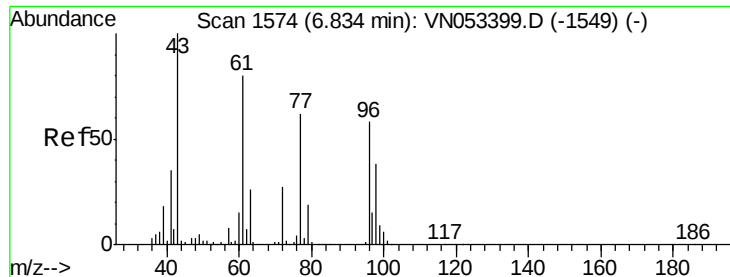
Tot Ion: 43 Resp: 1374099
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 19.890 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

Tgt Ion: 63 Resp: 259656
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 98.456 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

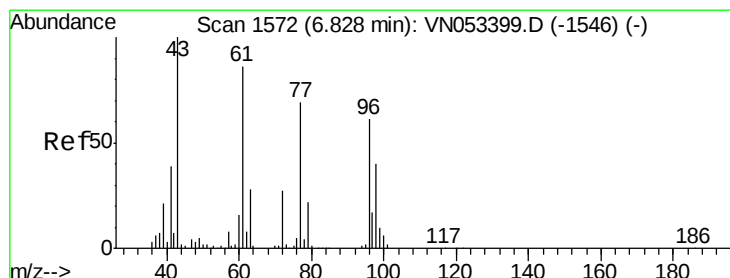
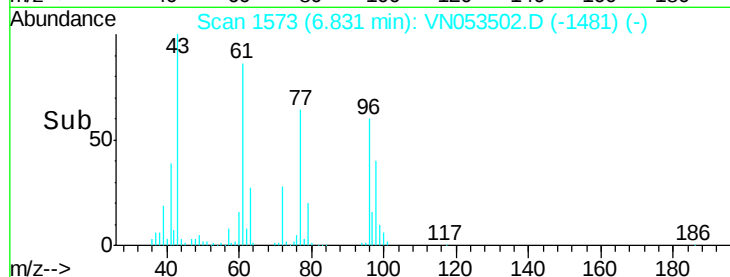
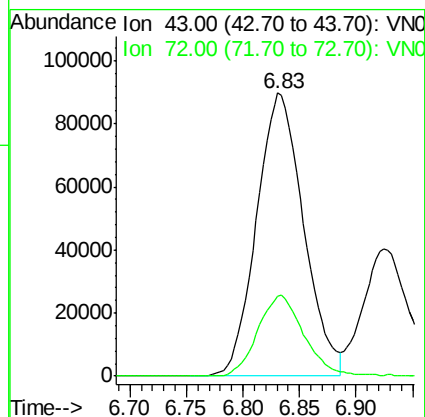
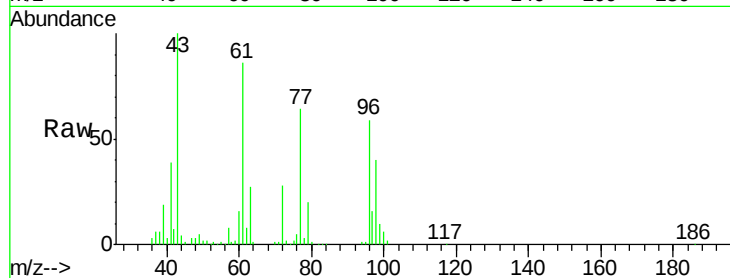
VN0121WBSD01

Tot Ion: 43 Resp: 257357

Ion Ratio Lower Upper

43 100

72 28.4 22.0 33.0



#26

2,2-Dichloropropane

Concen: 19.078 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053502.D

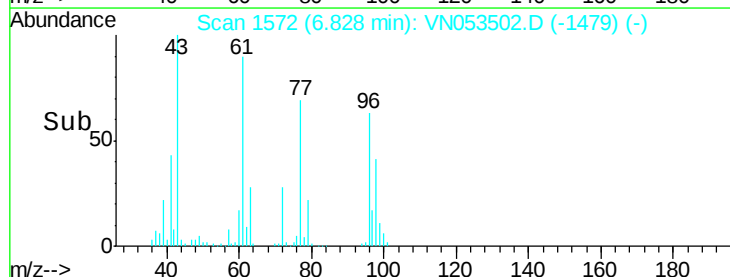
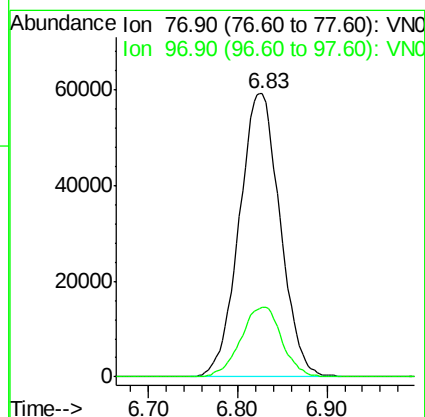
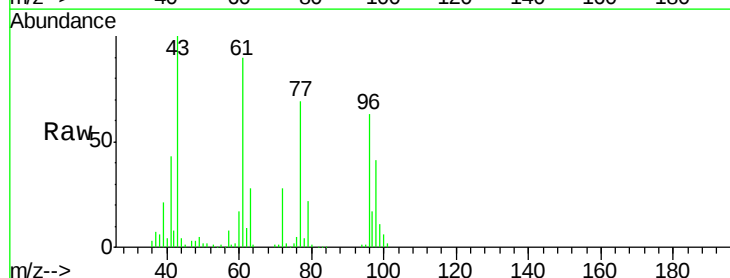
Acq: 21 Jan 2019 13:11

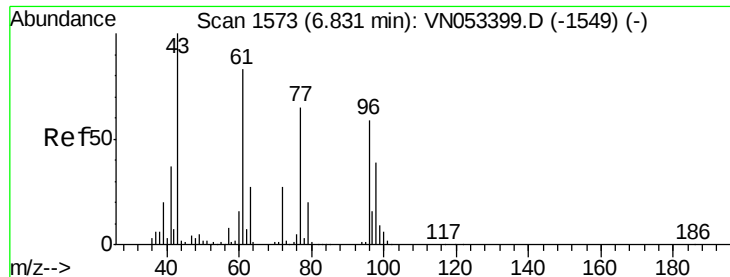
Tgt Ion: 77 Resp: 188040

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.172 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

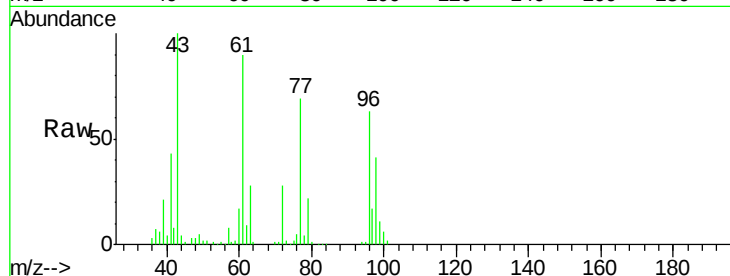
Tot Ion: 96 Resp: 160598

Ion Ratio Lower Upper

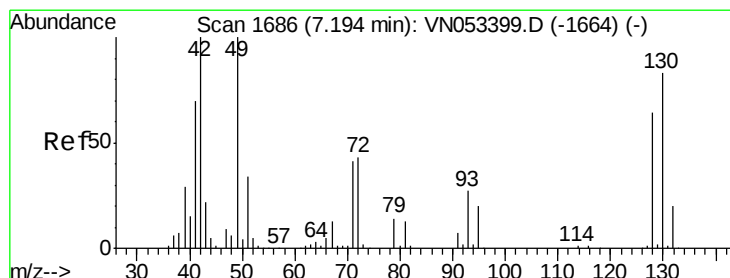
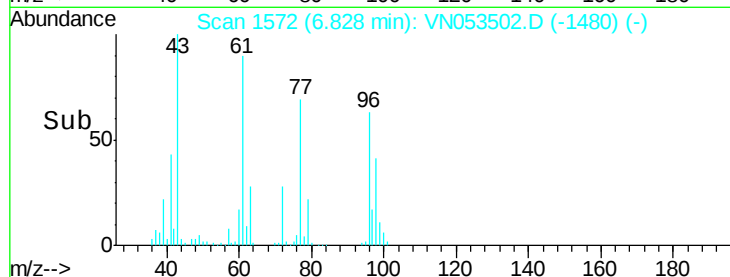
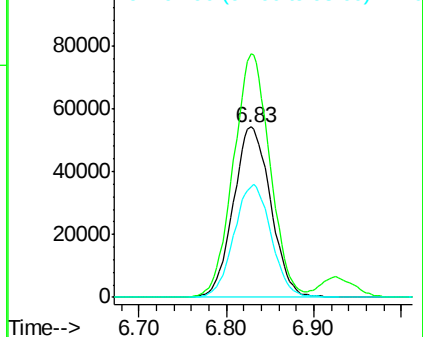
96 100

61 139.8 0.0 283.8

98 65.7 0.0 129.2



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



#28

Bromochloromethane

Concen: 20.247 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

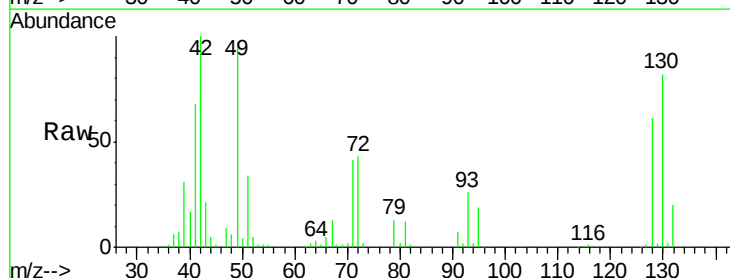
Tgt Ion: 49 Resp: 116442

Ion Ratio Lower Upper

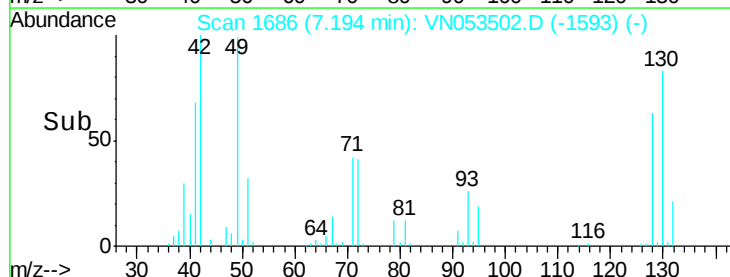
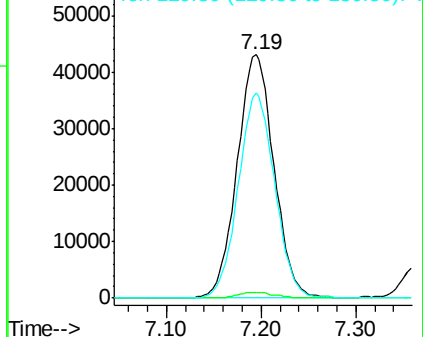
49 100

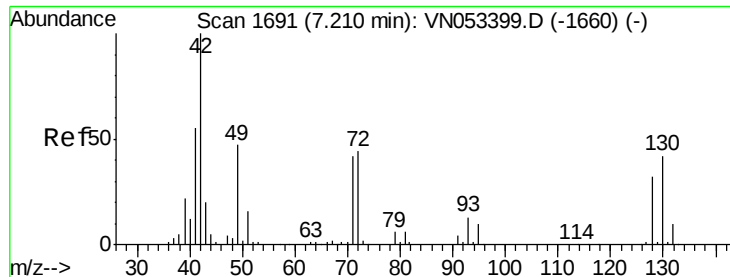
129 2.3 0.0 4.0

130 83.5 66.3 99.5



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

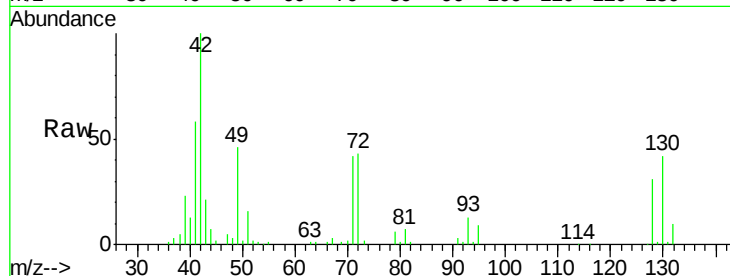




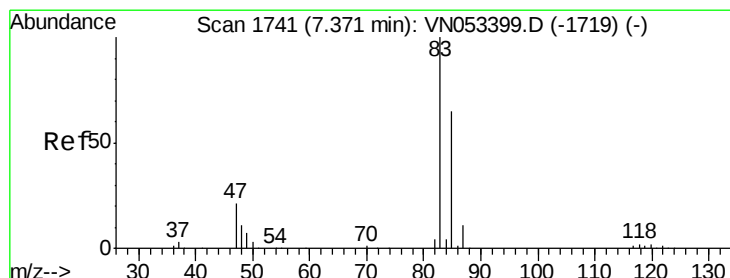
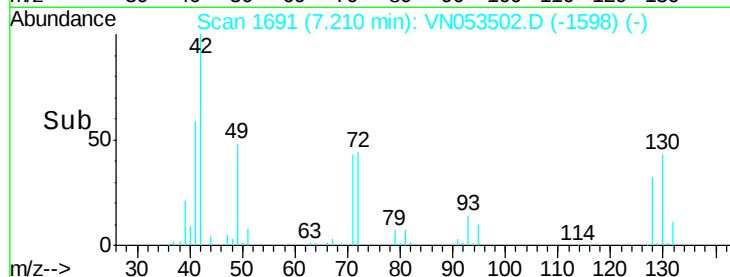
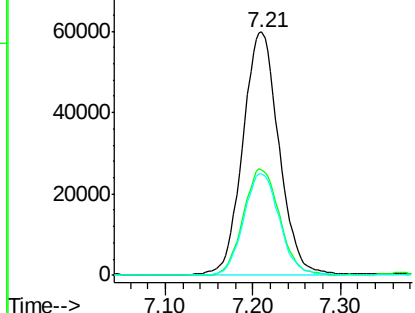
#29
Tetrahydrofuran
Concen: 101.122 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion: 42 Resp: 172077
Ion Ratio Lower Upper
42 100
72 43.9 35.2 52.8
71 41.2 33.0 49.4

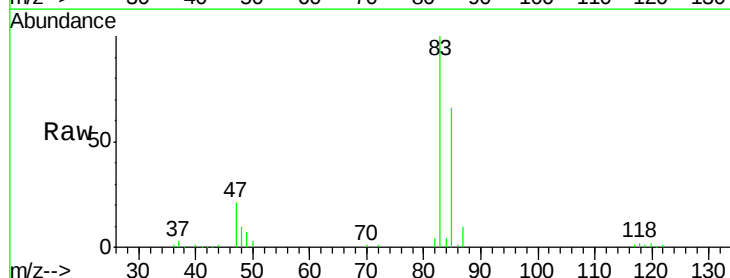


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

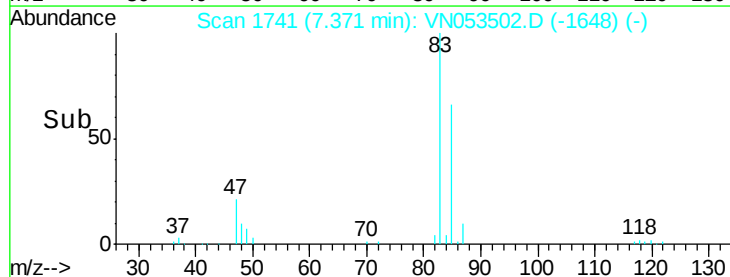
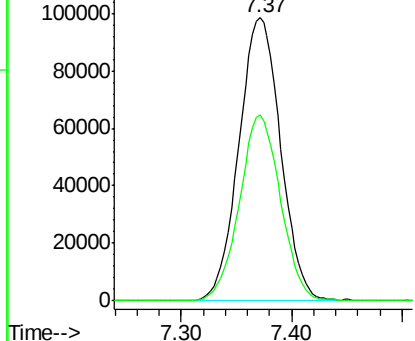


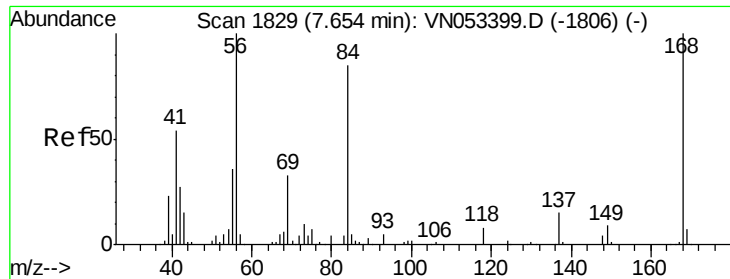
#30
Chloroform
Concen: 20.288 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Tgt Ion: 83 Resp: 258051
Ion Ratio Lower Upper
83 100
85 65.6 52.2 78.2



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

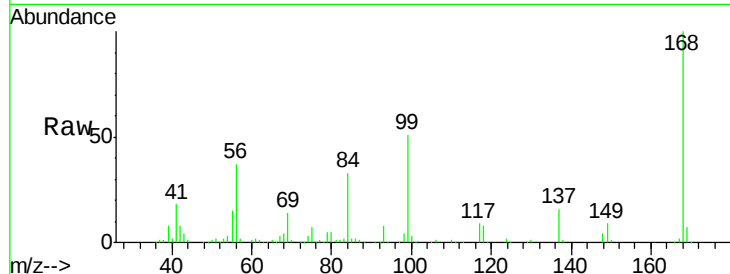




#31
Cyclohexane
Concen: 18.885 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion	56	Resp	241692
Ion Ratio	Lower	Upper	
56	100		
69	37.2	26.4	39.6
84	88.3	67.9	101.9

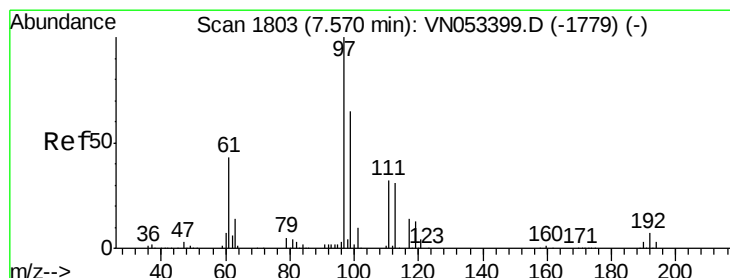
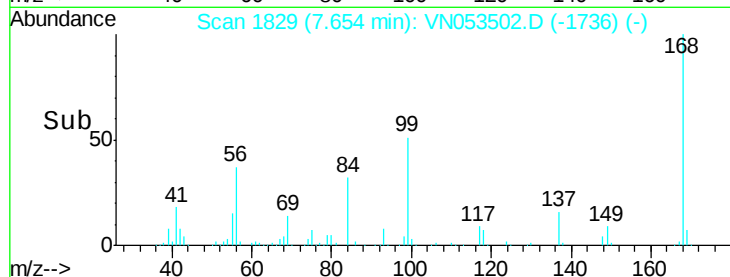
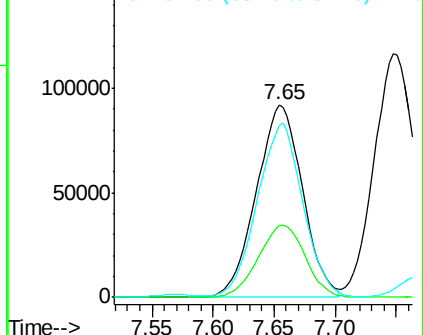


Abundance

Ion 56.00 (55.70 to 56.70): VN0

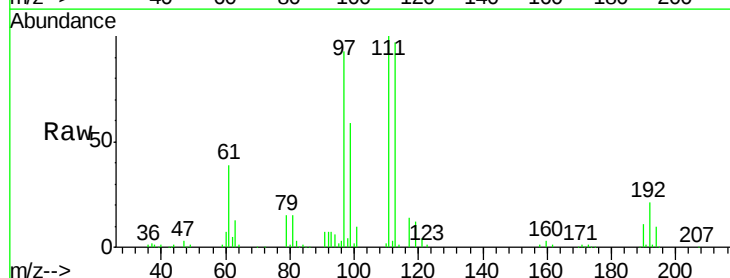
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32
1,1,1-Trichloroethane
Concen: 19.699 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Tgt Ion	97	Resp	212547
Ion Ratio	Lower	Upper	
97	100		
99	65.9	52.0	78.0
61	43.9	34.4	51.6

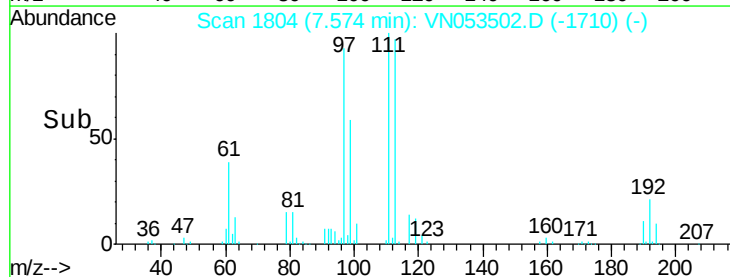
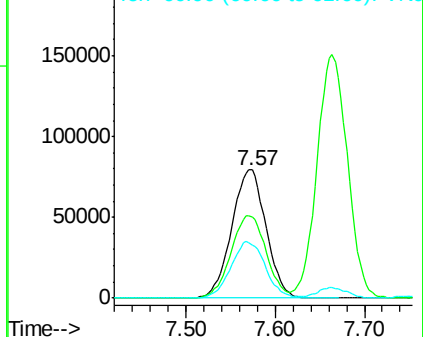


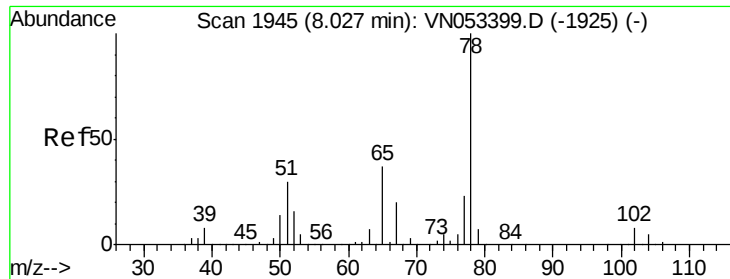
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

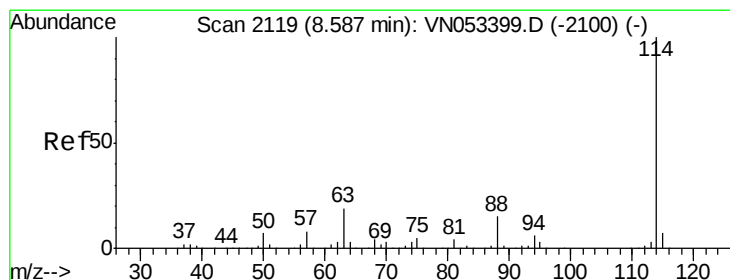
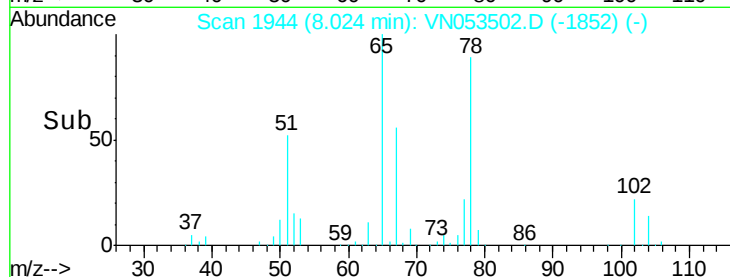
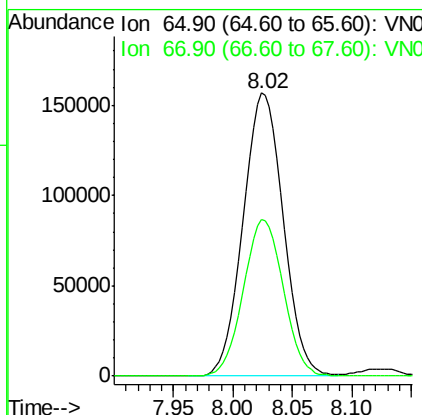
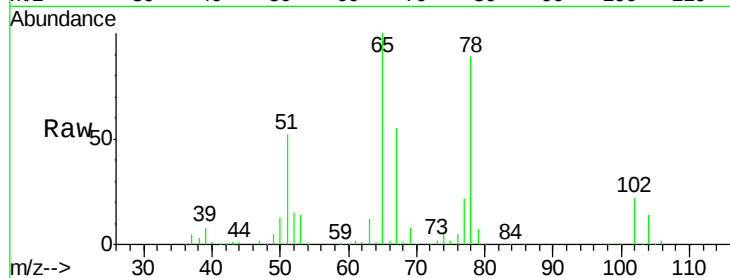




#33
 1,2-Dichloroethane-d4
 Concen: 19.699 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

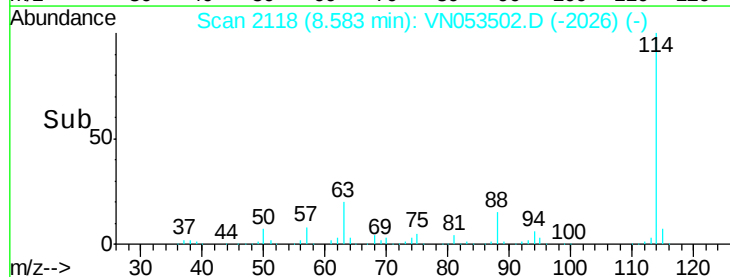
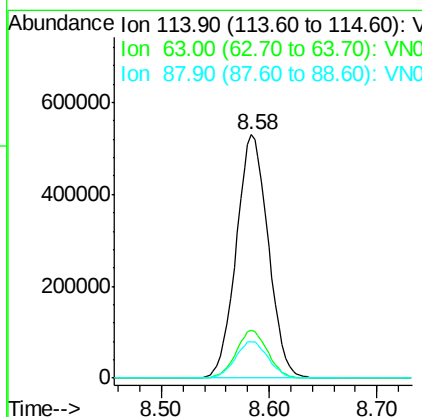
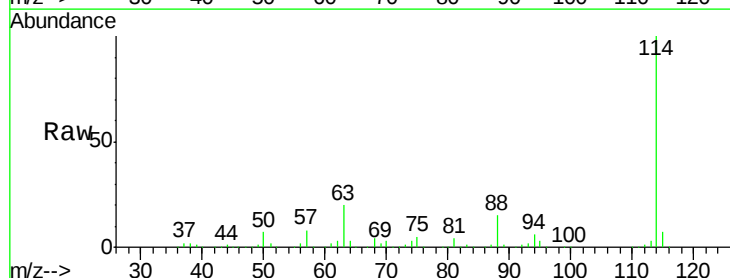
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

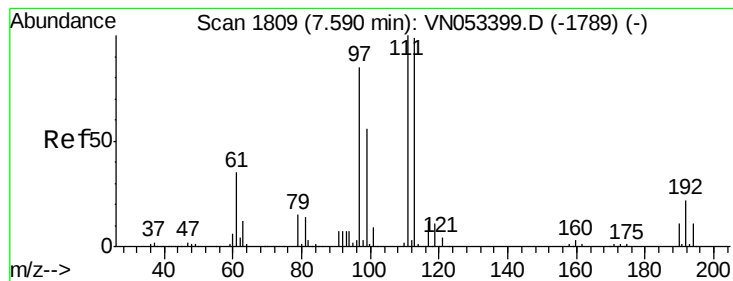
Tot Ion: 65 Resp: 366809
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

Tgt Ion: 114 Resp: 1094364
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0121WBSD01

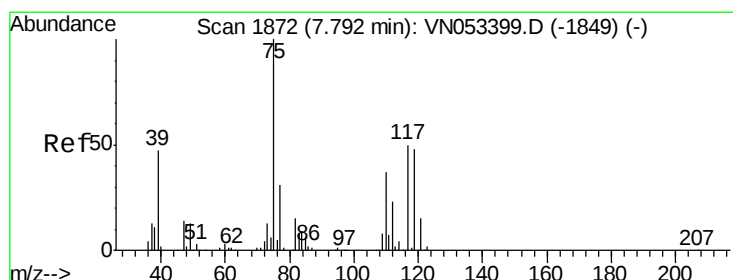
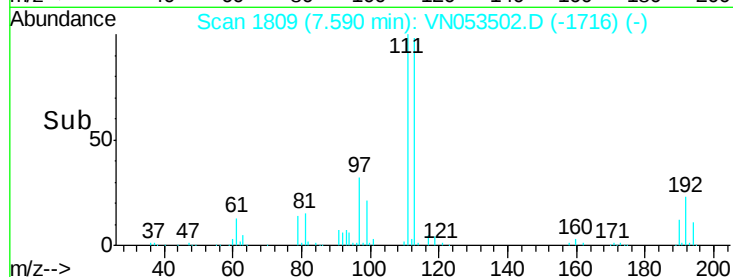
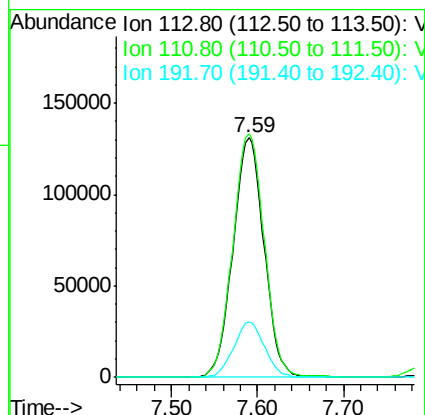
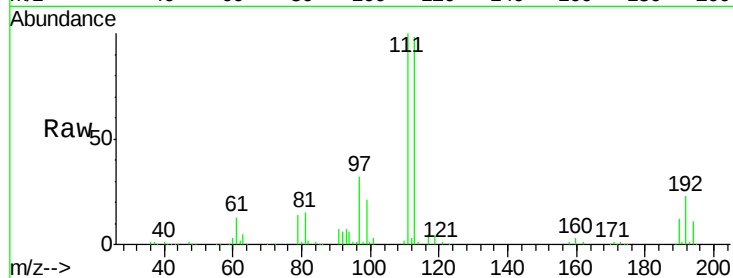
Tot Ion:113 Resp: 327570

Ion Ratio Lower Upper

113 100

111 103.4 81.1 121.7

192 22.9 18.2 27.2



#36

1,1-Dichloropropene

Concen: 19.875 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

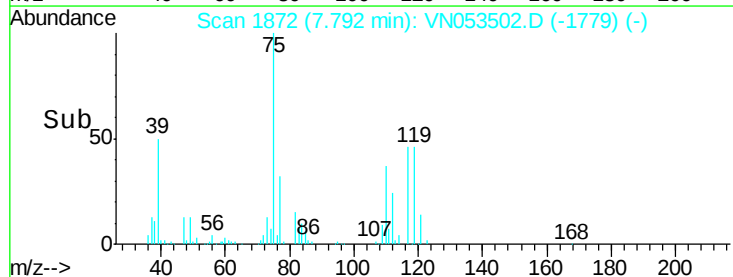
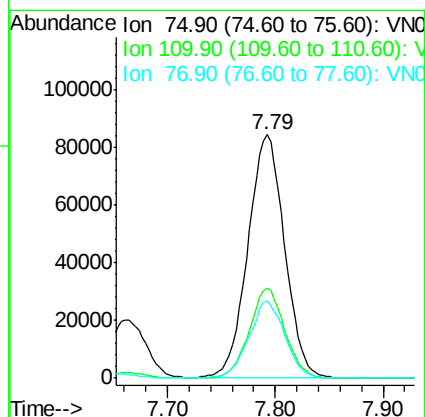
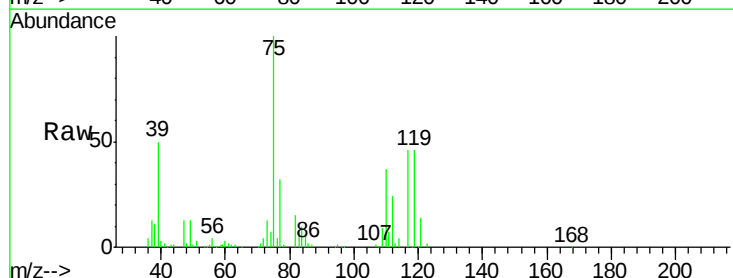
Tgt Ion: 75 Resp: 198080

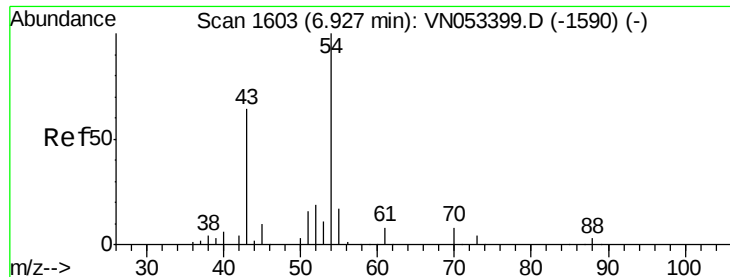
Ion Ratio Lower Upper

75 100

110 35.8 18.1 54.3

77 31.1 25.1 37.7

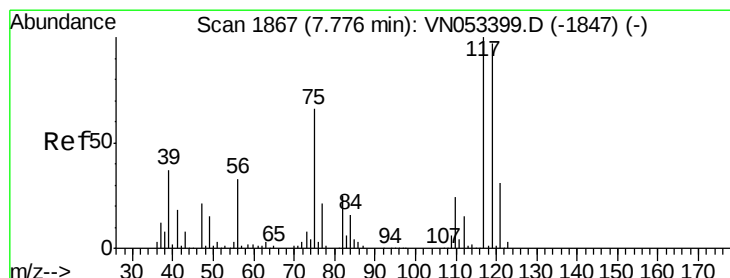
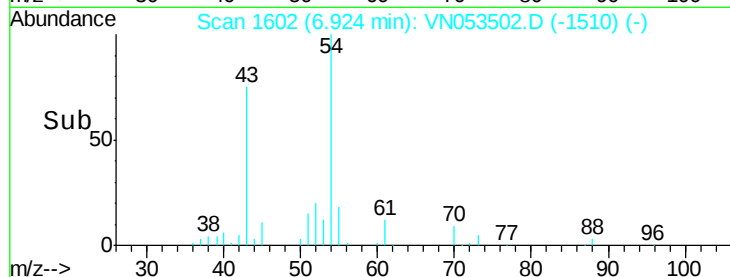
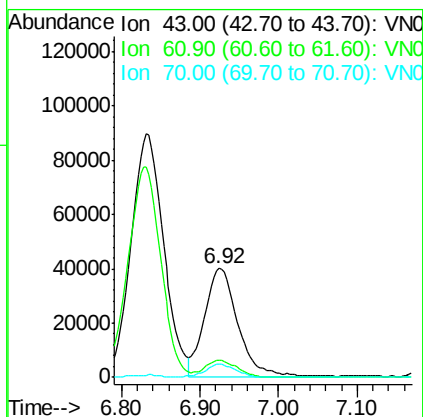
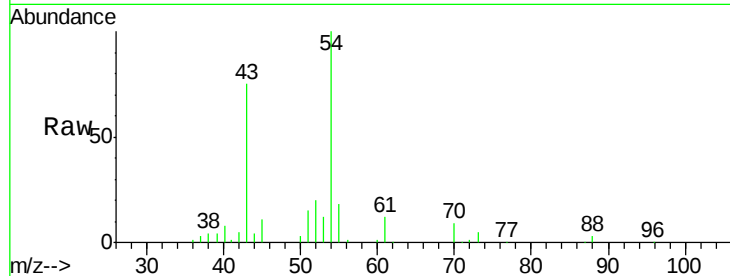




#37
Ethyl Acetate
Concen: 20.310 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

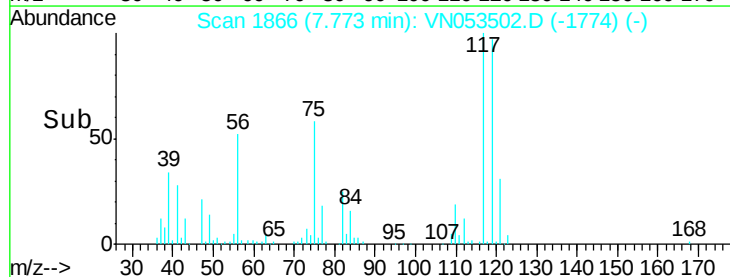
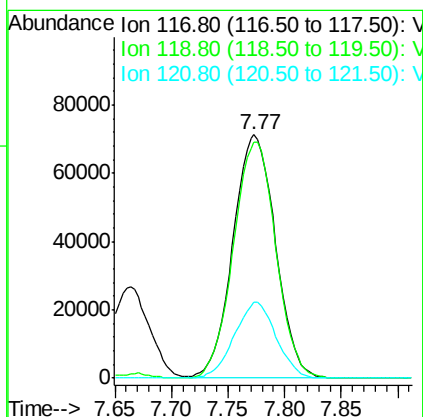
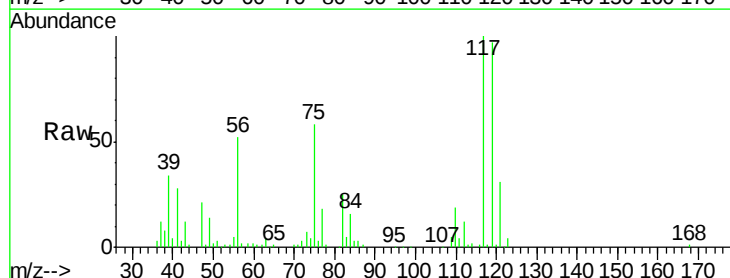
Instrument :
MSVOA_N
ClientSampled :
VN0121WBSD01

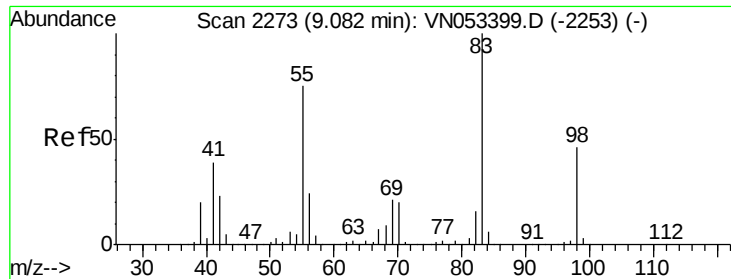
Tot Ion: 43 Resp: 116456
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.6
70 11.4 8.6 12.8



#38
Carbon Tetrachloride
Concen: 19.750 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Tgt Ion: 117 Resp: 186355
Ion Ratio Lower Upper
117 100
119 96.8 77.2 115.8
121 31.2 24.6 37.0

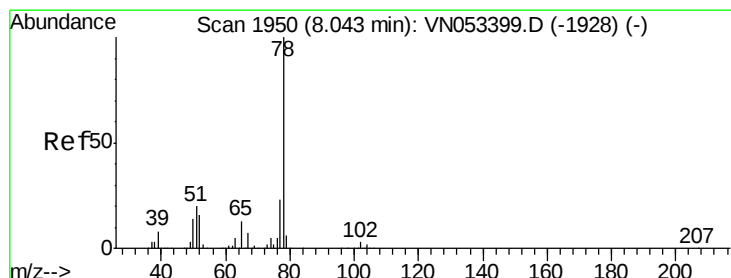
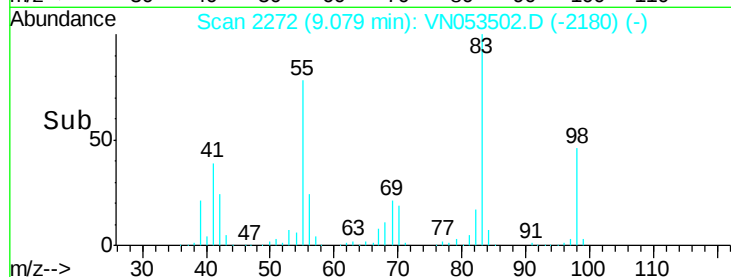
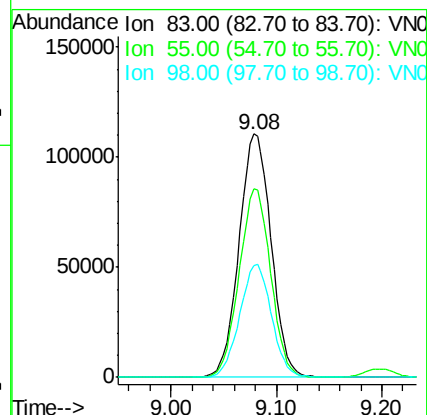
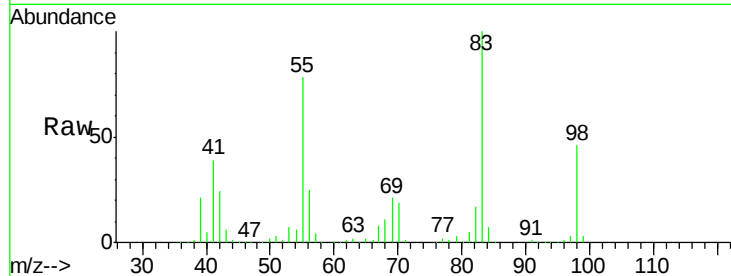




#39
Methvlcvclohexane
Concen: 18.934 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

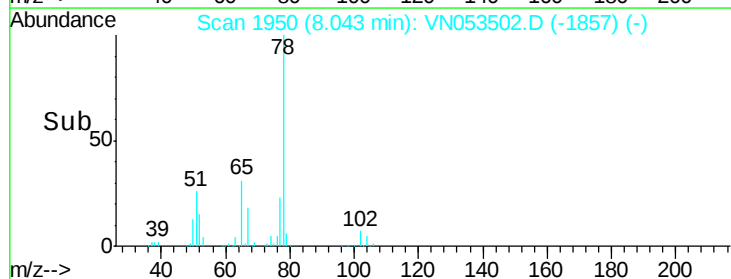
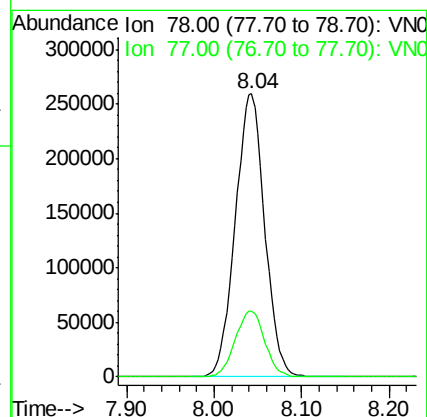
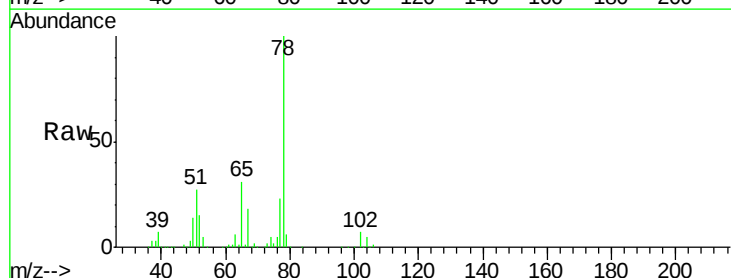
Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

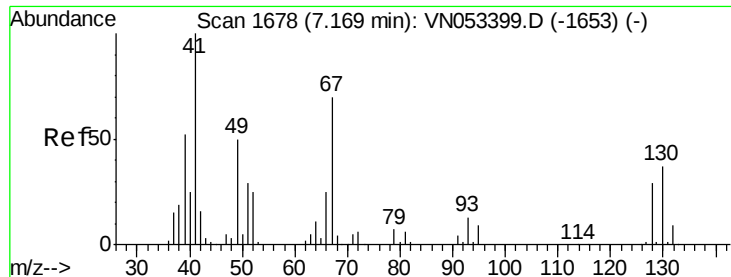
Tot Ion: 83 Resp: 233236
Ion Ratio Lower Upper
83 100
55 77.5 60.1 90.1
98 46.0 36.6 55.0



#40
Benzene
Concen: 19.980 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Tgt Ion: 78 Resp: 605120
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2





#41

Methacrylonitrile

Concen: 18.082 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

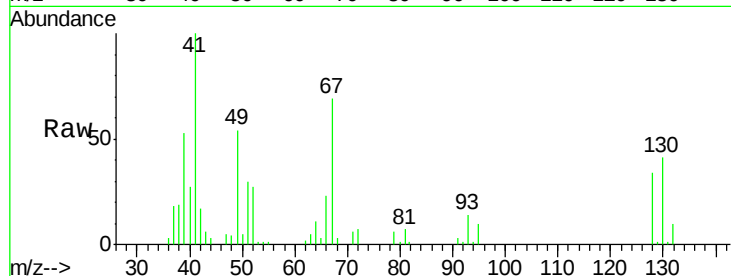
ClientSampleID :

VN0121WBSD01

Tot Ion: 41 Resp: 60138

Ion Ratio Lower Upper

41	100		
39	59.3	46.8	70.2
67	89.8	63.0	94.6
52	35.8	23.8	35.8#

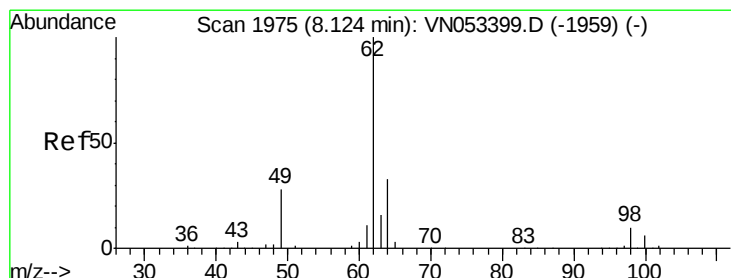
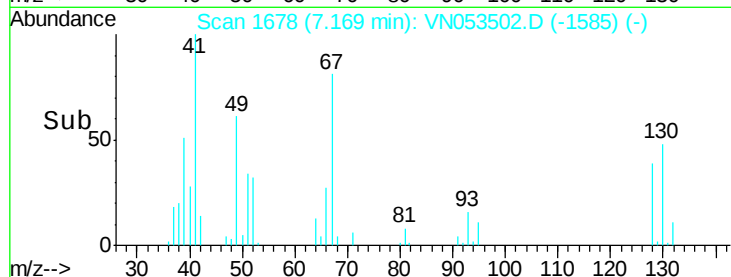
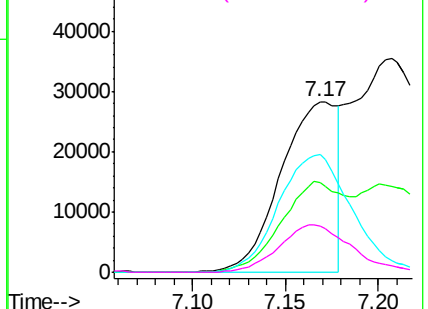


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 20.553 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

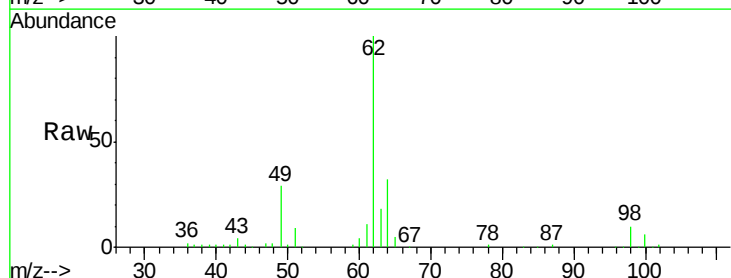
Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Tgt Ion: 62 Resp: 181343

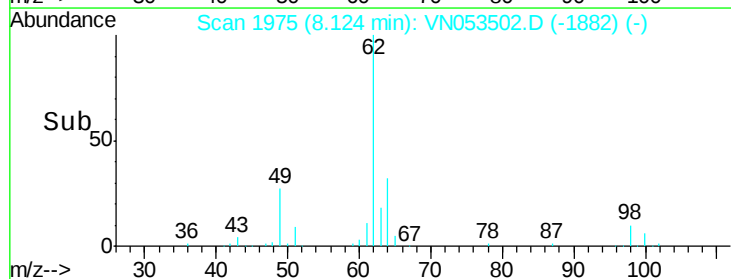
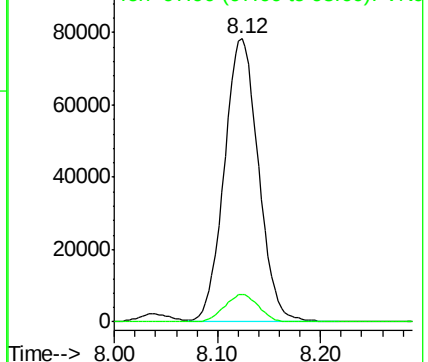
Ion Ratio Lower Upper

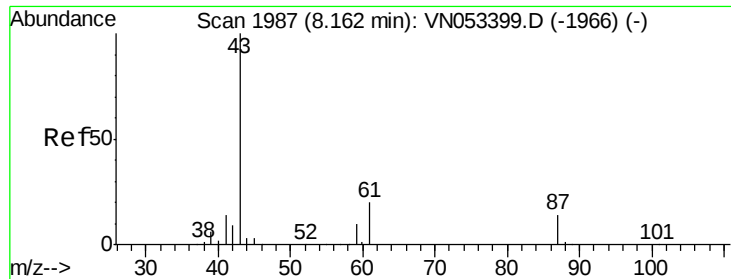
62	100		
98	9.7	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



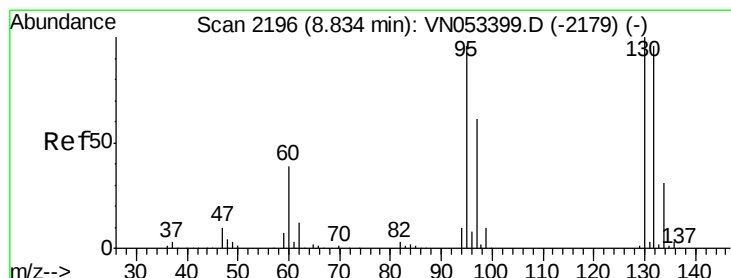
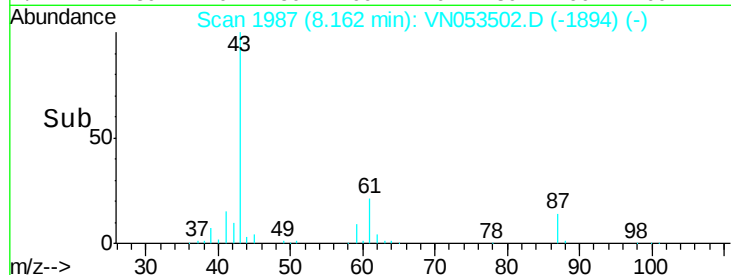
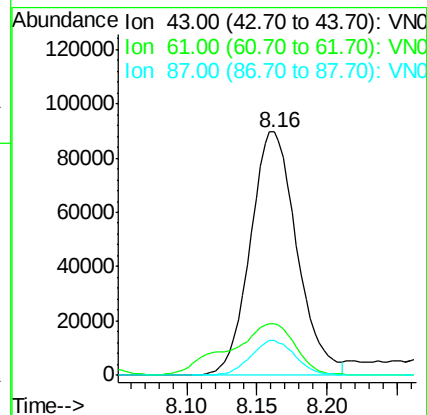
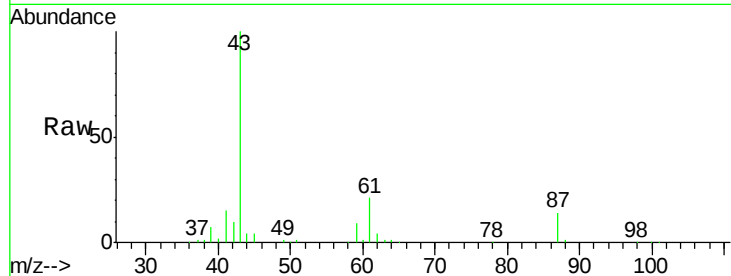


#43

Isopropyl Acetate
 Concen: 19.974 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

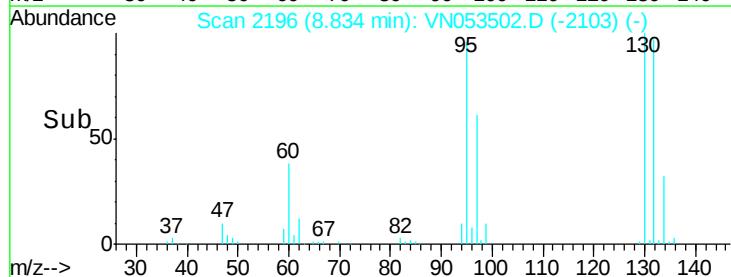
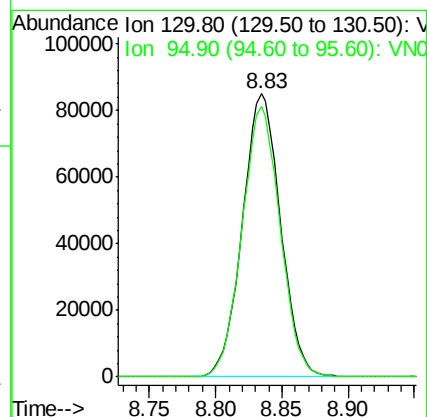
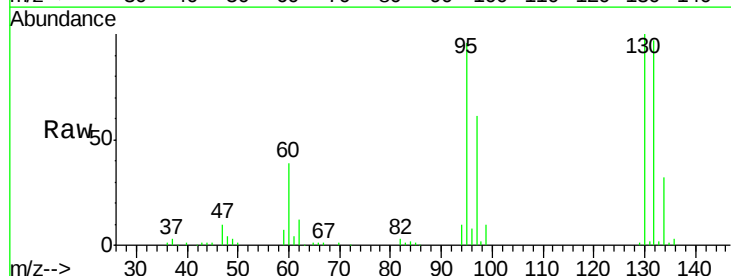
Tot Ion: 43 Resp: 205940
 Ion Ratio Lower Upper
 43 100
 61 30.1 23.9 35.9
 87 13.7 11.0 16.6

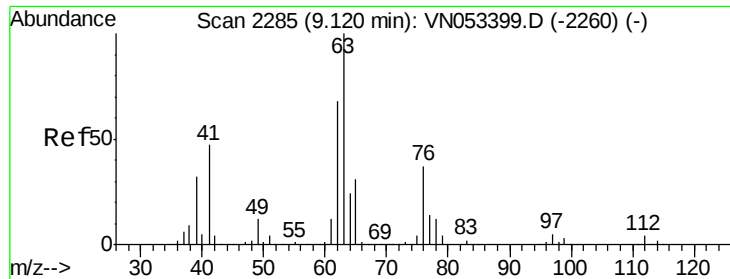


#44

Trichloroethene
 Concen: 20.290 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

Tgt Ion: 130 Resp: 170417
 Ion Ratio Lower Upper
 130 100
 95 95.7 0.0 191.4





#45

1,2-Dichloropropane

Concen: 19.969 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

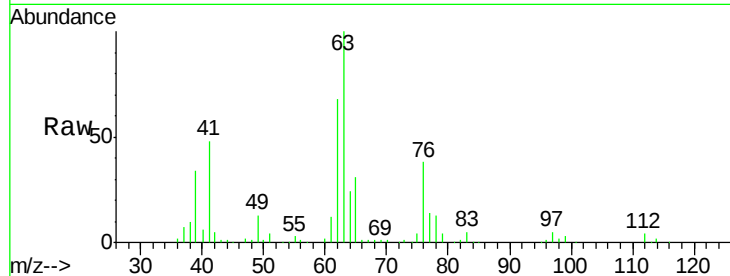
VN0121WBSD01

Tot Ion: 63 Resp: 160192

Ion Ratio Lower Upper

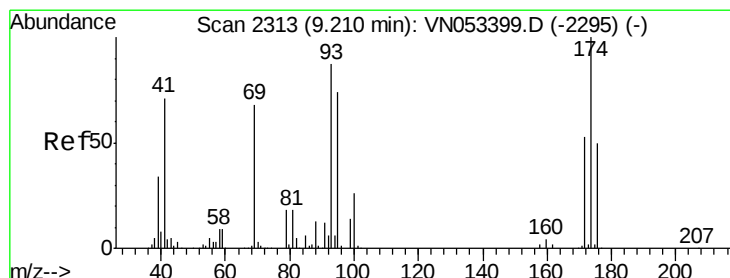
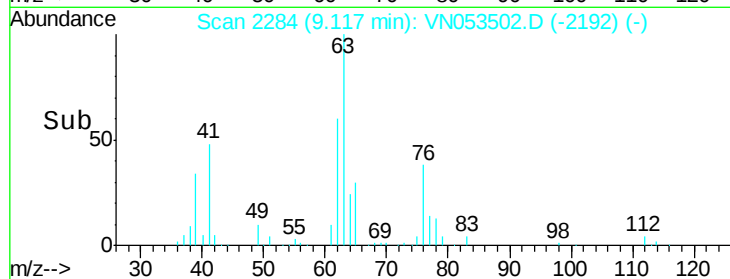
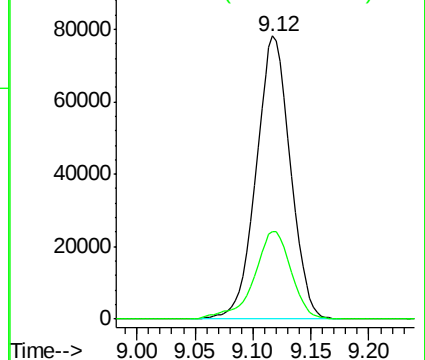
63 100

65 31.1 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.955 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

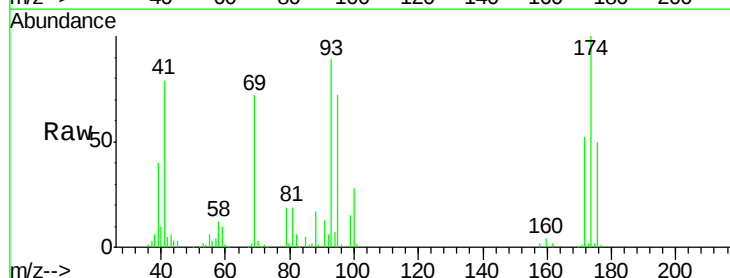
Tgt Ion: 93 Resp: 91970

Ion Ratio Lower Upper

93 100

95 83.2 67.3 100.9

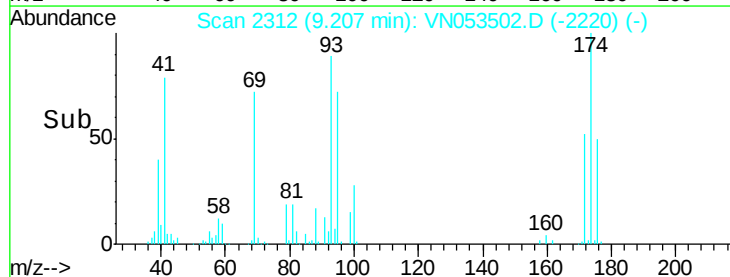
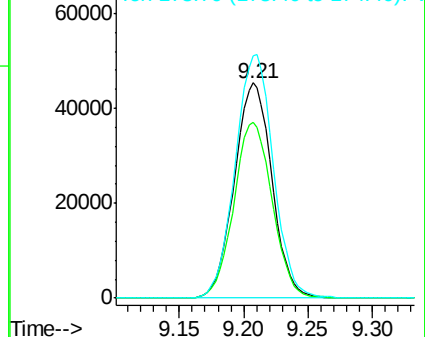
174 114.7 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.702 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

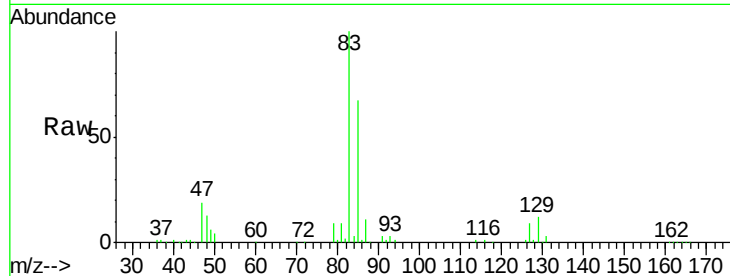
Tot Ion: 83 Resp: 190959

Ion Ratio Lower Upper

83 100

85 66.8 51.0 76.6

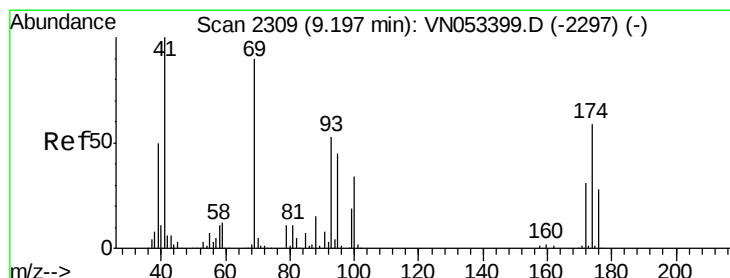
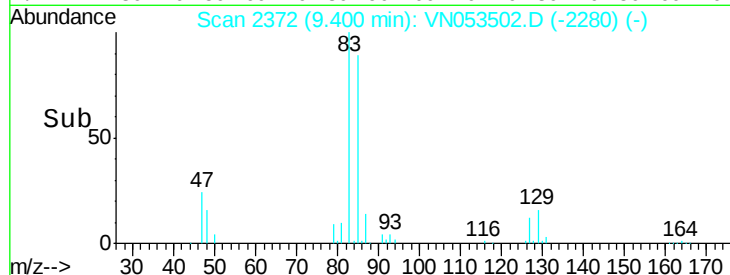
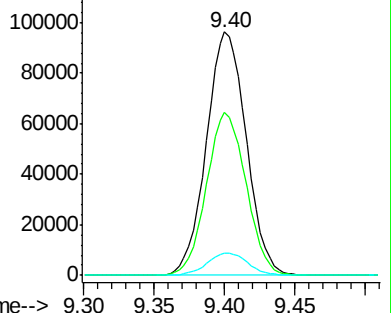
127 9.3 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN053399.D (-2355) (-)



#48

Methyl methacrylate

Concen: 19.533 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

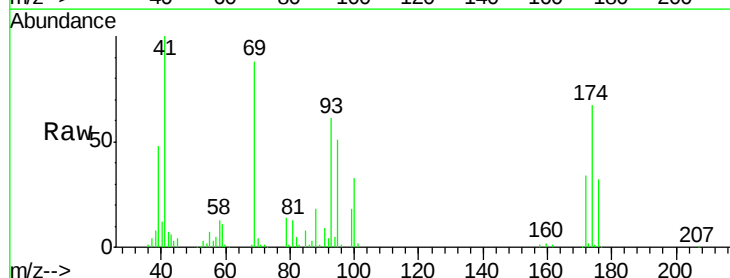
Tgt Ion: 41 Resp: 103987

Ion Ratio Lower Upper

41 100

69 92.2 73.8 110.6

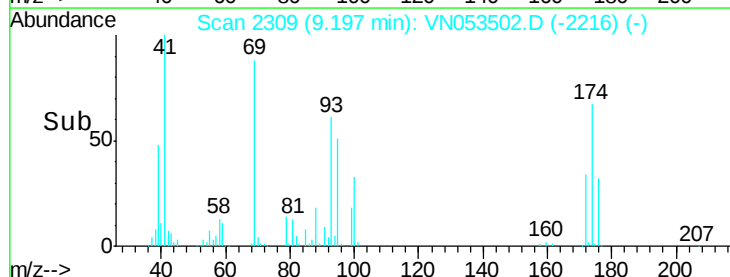
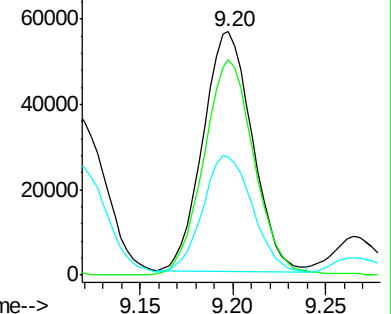
39 51.4 40.0 60.0

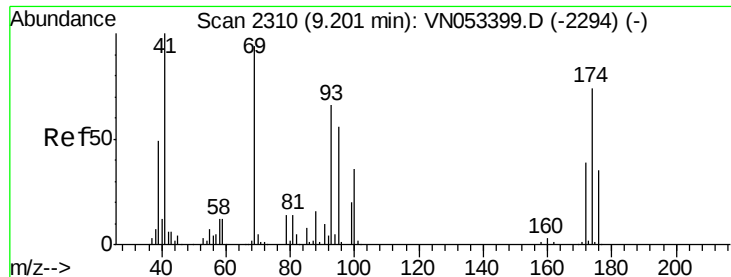


Abundance Ion 41.00 (40.70 to 41.70): VN053399.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN053399.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN053399.D (-2297) (-)

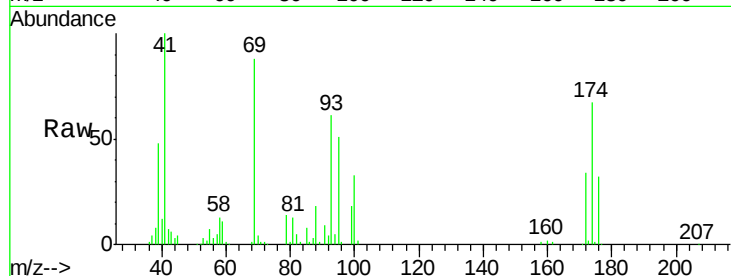




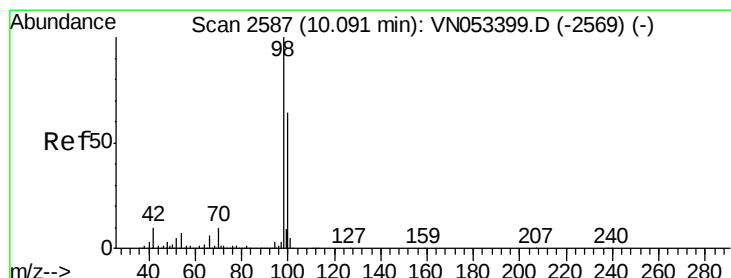
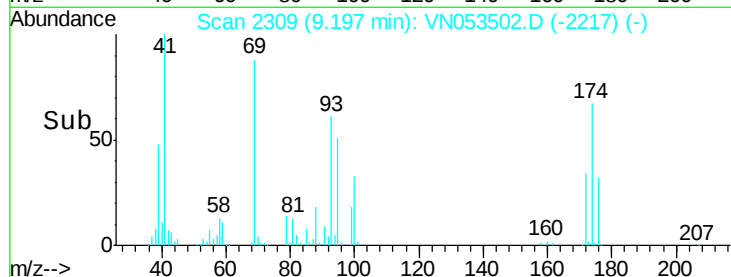
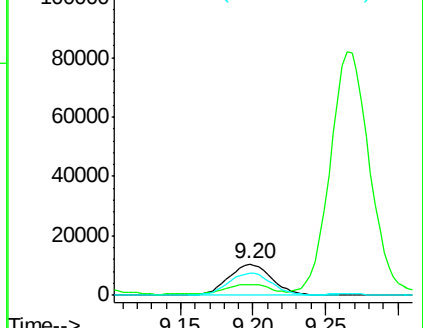
#49
1,4-Dioxane
Concen: 422.035 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion: 88 Resp: 21942
Ion Ratio Lower Upper
88 100
43 32.2 27.8 41.6
58 72.1 56.5 84.7

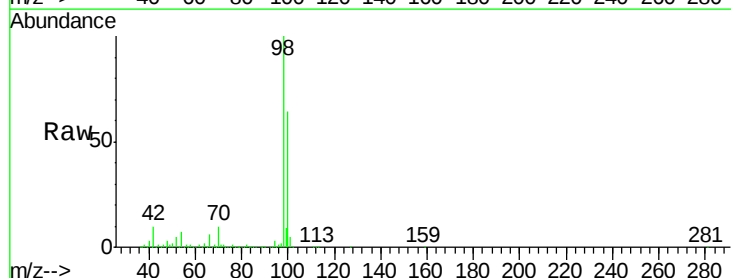


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

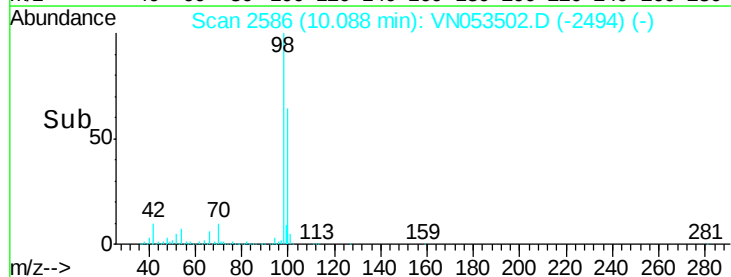
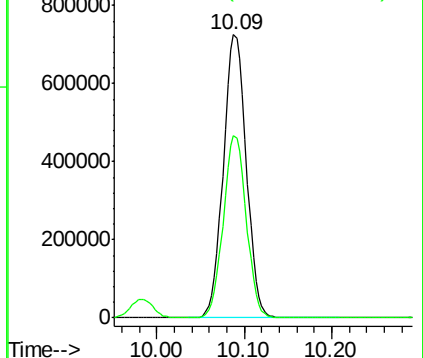


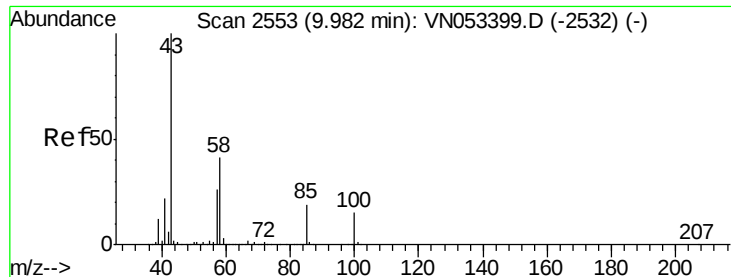
#50
Toluene-d8
Concen: 422.035 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Tgt Ion: 98 Resp: 1324050
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



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

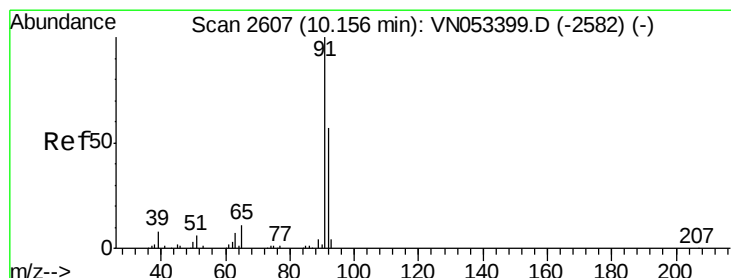
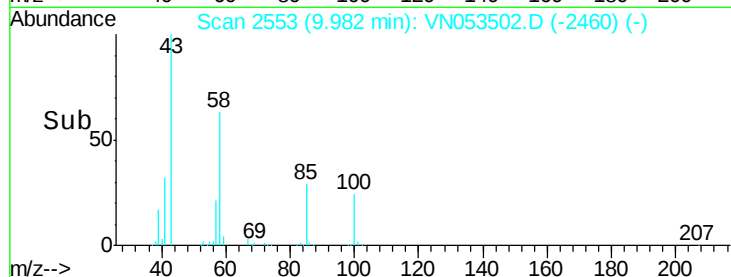
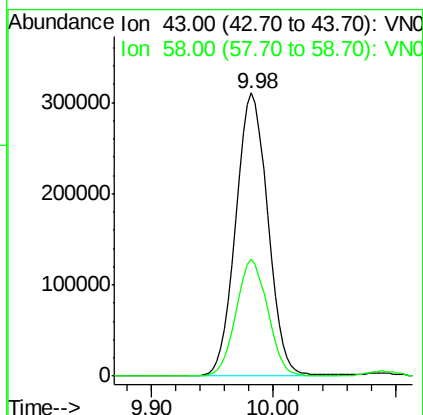
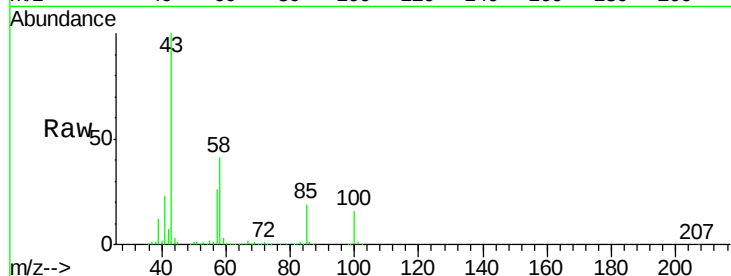




#51
 4-Methyl-2-Pentanone
 Concen: 100.083 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

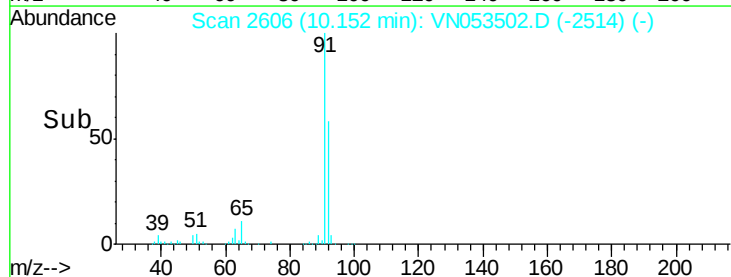
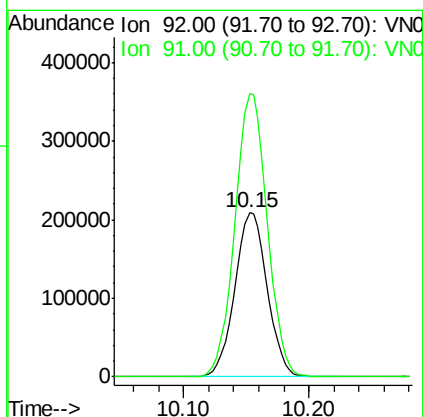
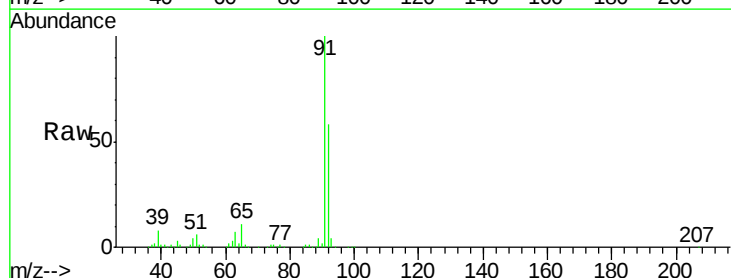
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

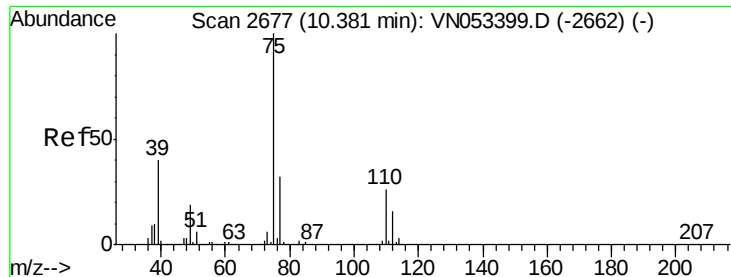
Tot Ion: 43 Resp: 563309
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.8 49.2



#52
 Toluene
 Concen: 19.929 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

Tgt Ion: 92 Resp: 374717
 Ion Ratio Lower Upper
 92 100
 91 172.7 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 19.431 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

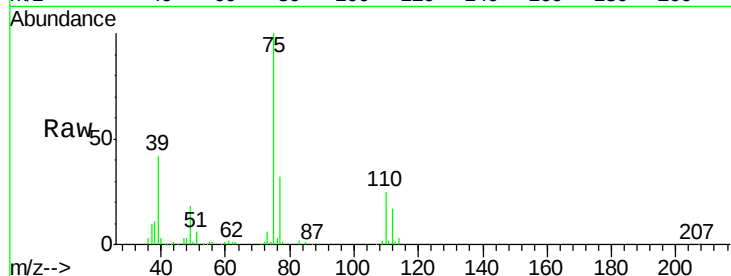
VN0121WBSD01

Tot Ion: 75 Resp: 190897

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

120000

100000

80000

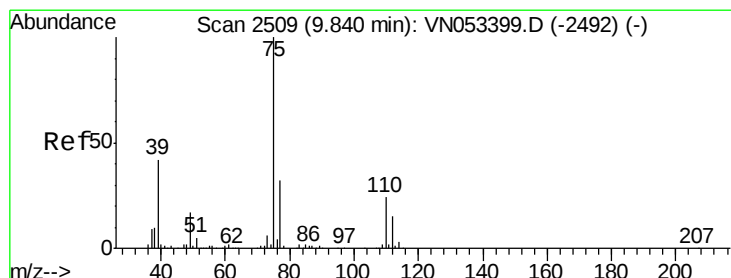
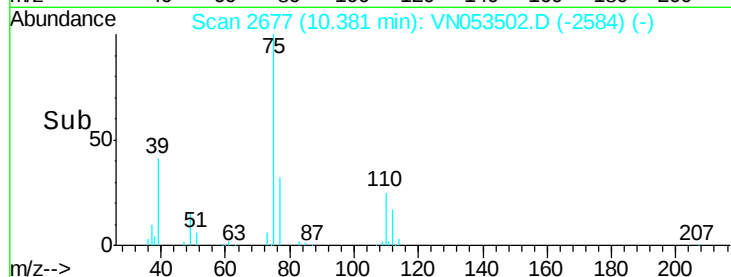
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.678 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

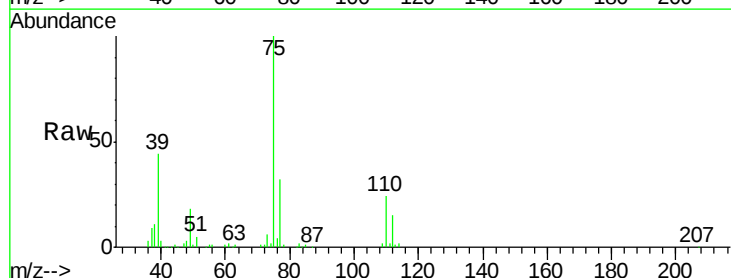
Tgt Ion: 75 Resp: 226619

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6

39 43.4 33.4 50.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

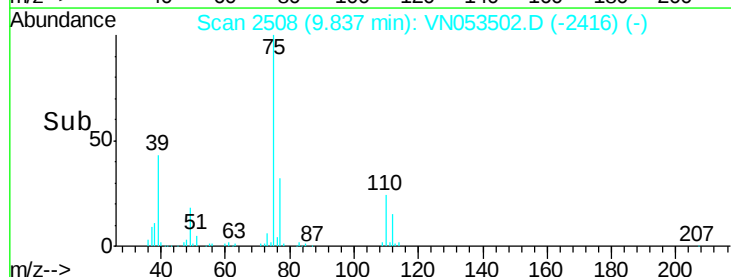
150000

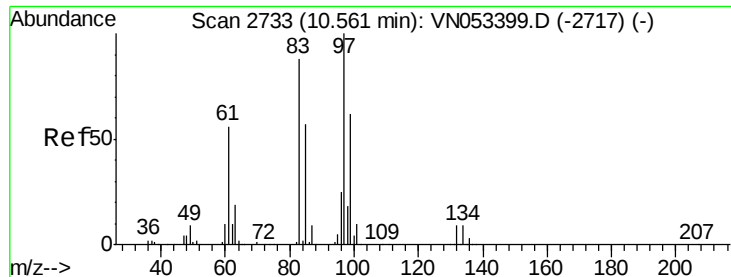
100000

50000

0

Time-->

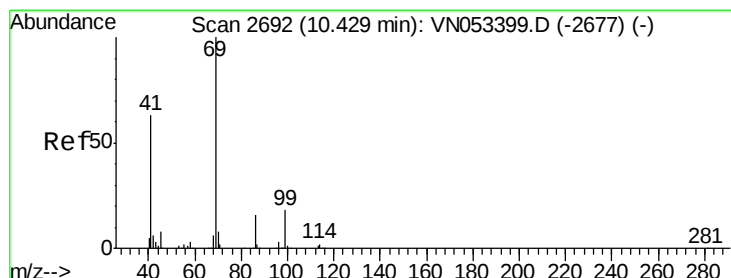
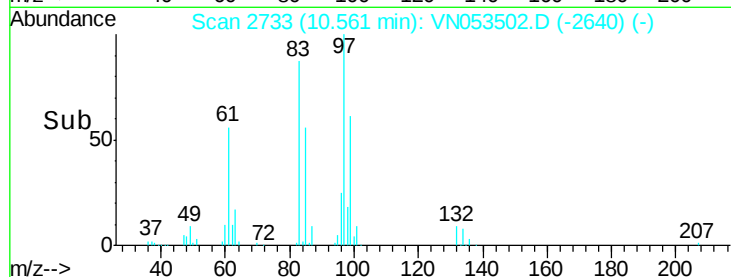
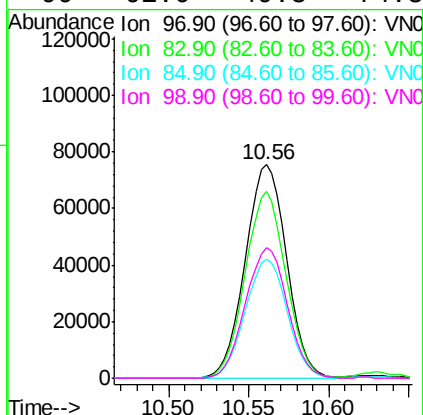
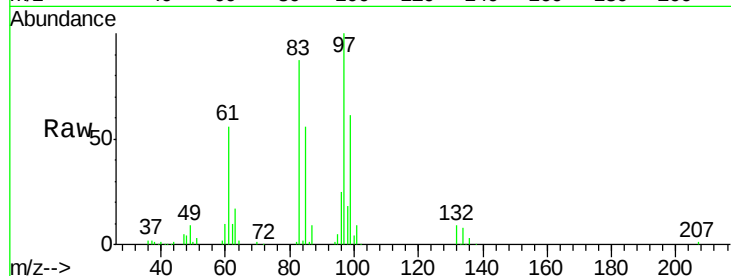




#55
 1,1,2-Trichloroethane
 Concen: 20.623 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

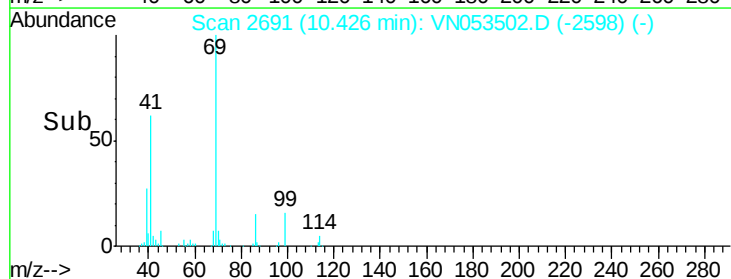
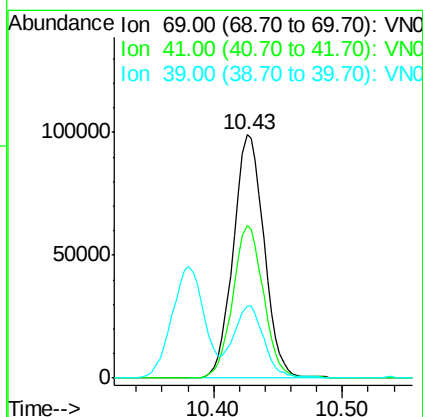
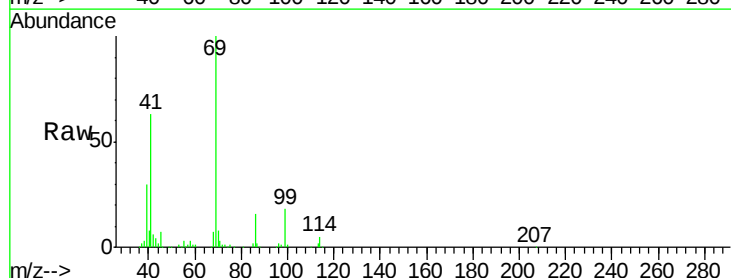
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

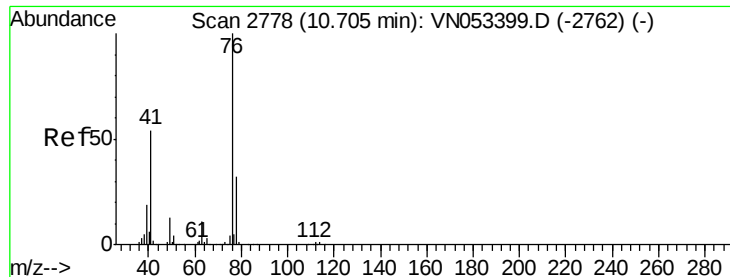
Tot Ion	97	Resp	133687
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.1	105.1
85	55.8	45.4	68.0
99	61.0	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 19.200 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

Tgt Ion	69	Resp	164475
Ion	Ratio	Lower	Upper
69	100		
41	61.5	49.4	74.0
39	28.8	23.3	34.9





#57

1,3-Dichloropropane

Concen: 20.343 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

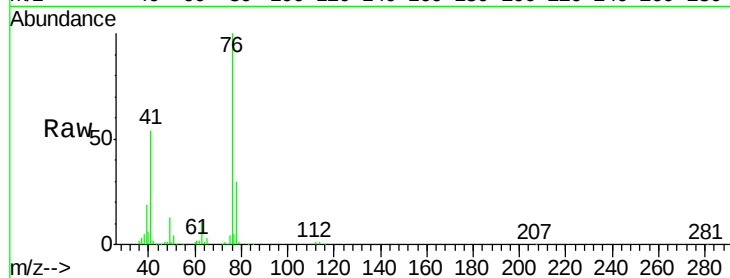
VN0121WBSD01

Tot Ion: 76 Resp: 228123

Ion Ratio Lower Upper

76 100

78 31.1 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

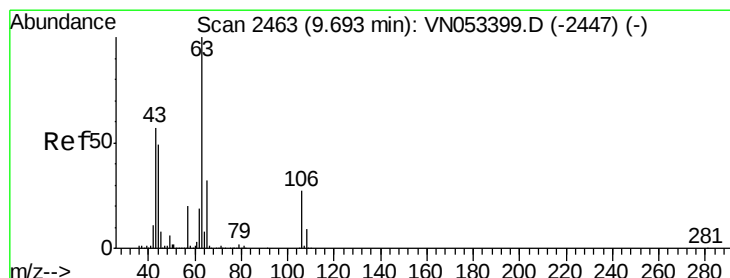
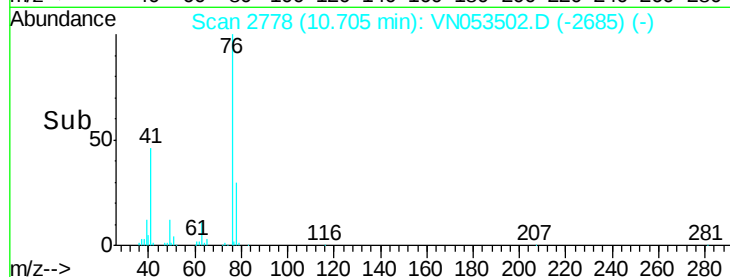
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 100.447 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053502.D

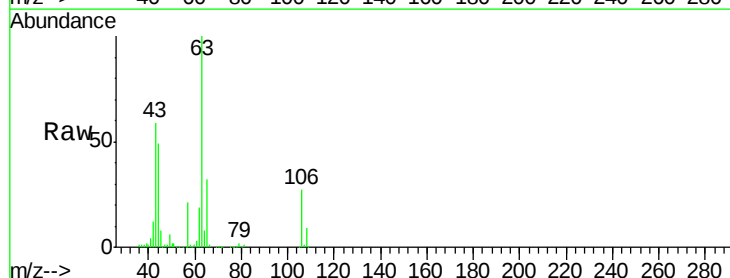
Acq: 21 Jan 2019 13:11

Tgt Ion: 63 Resp: 455529

Ion Ratio Lower Upper

63 100

106 27.4 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

300000

250000

200000

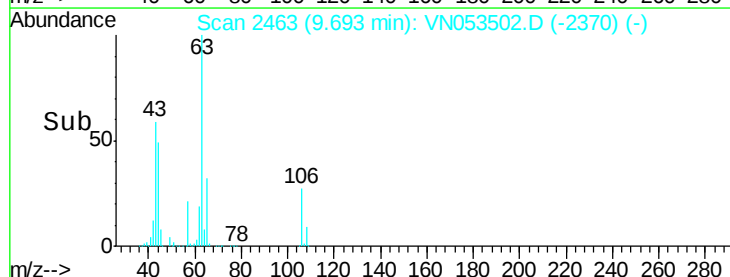
150000

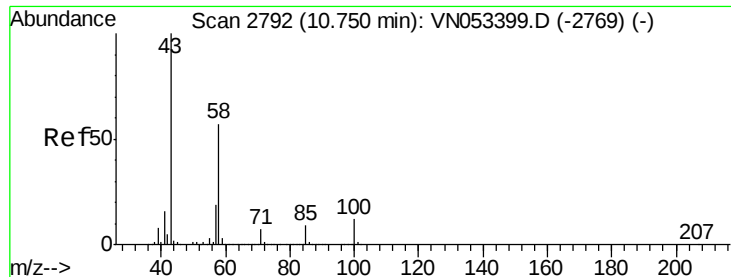
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80

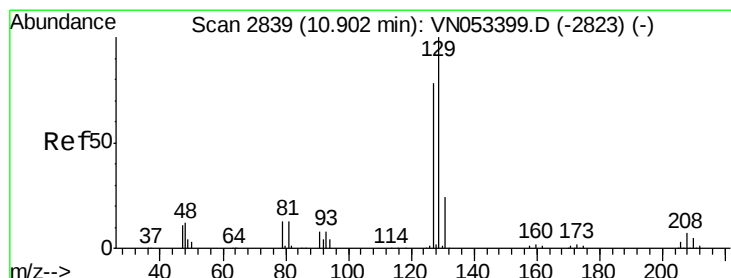
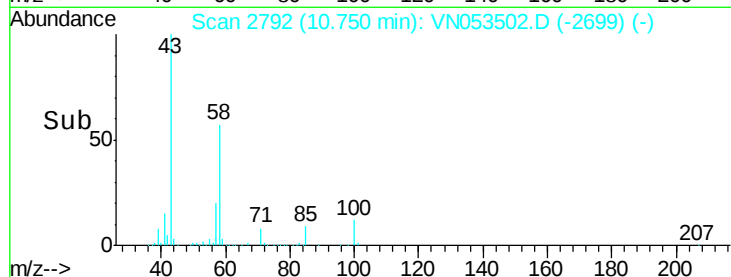
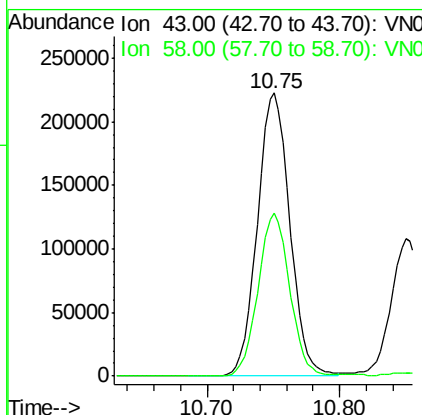
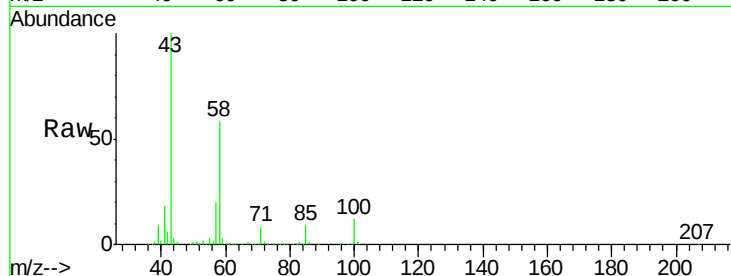




#59
2-Hexanone
Concen: 95.526 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

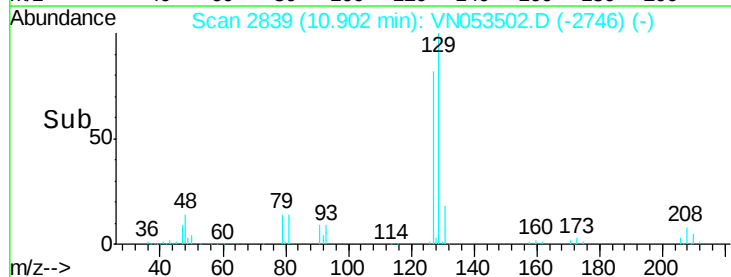
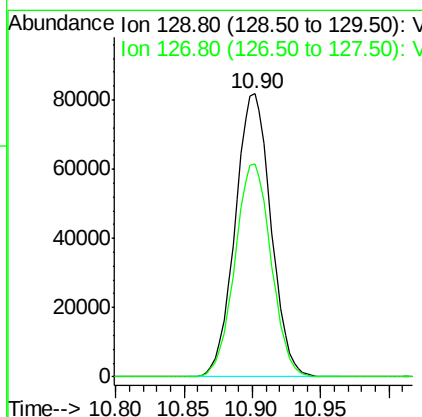
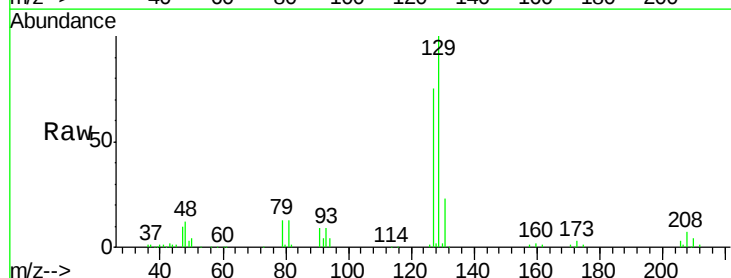
Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

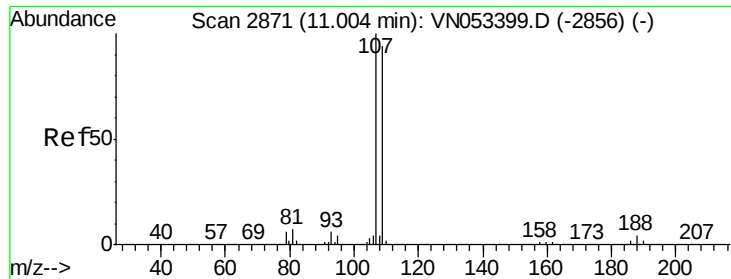
Tot Ion: 43 Resp: 377432
Ion Ratio Lower Upper
43 100
58 56.8 28.6 85.8



#60
Dibromochloromethane
Concen: 20.271 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Tgt Ion: 129 Resp: 149040
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.8

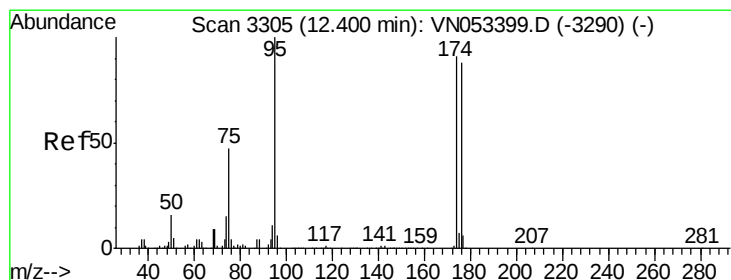
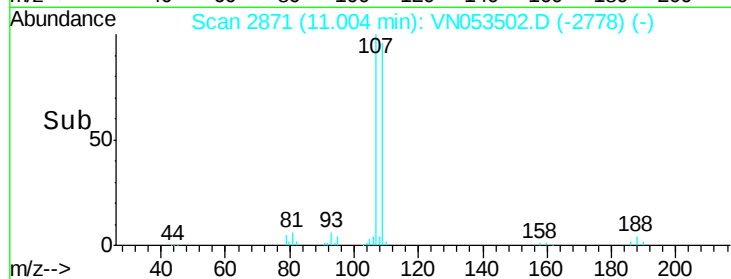
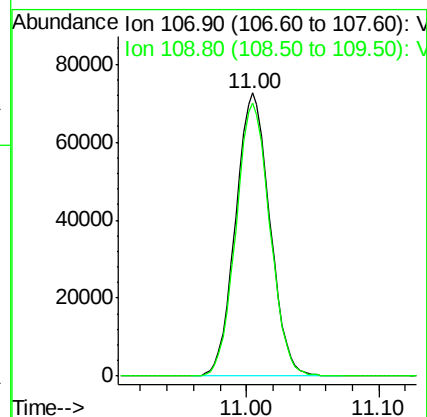
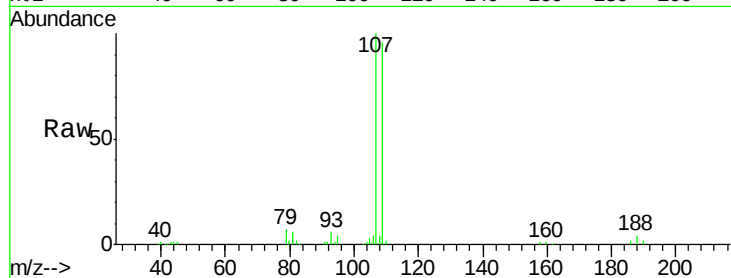




#61
 1,2-Dibromoethane
 Concen: 19.843 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

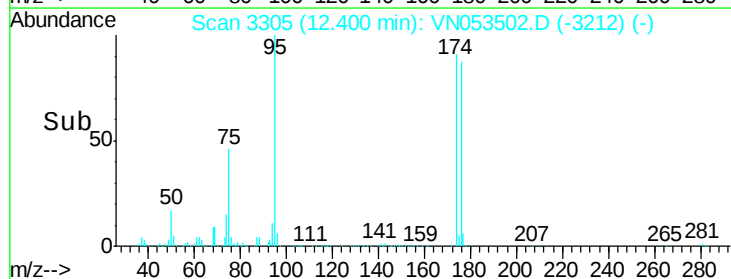
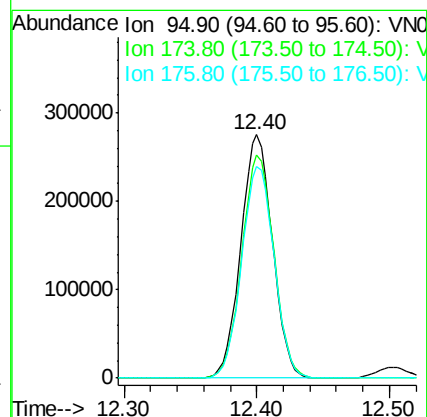
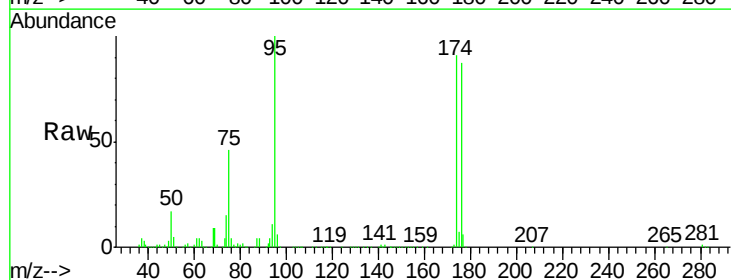
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

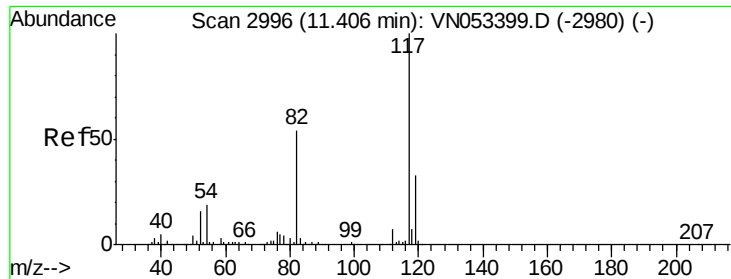
Tot Ion:107 Resp: 130094
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 19.843 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

Tgt Ion: 95 Resp: 455867
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 183.2
 176 89.5 0.0 177.4

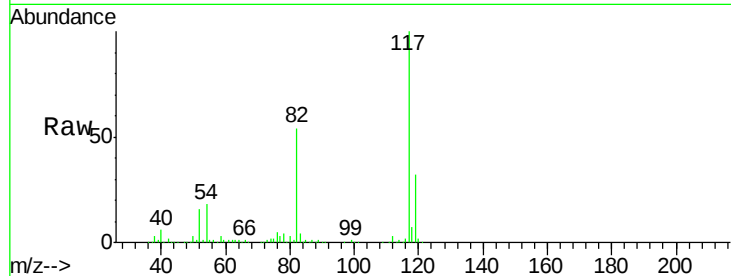




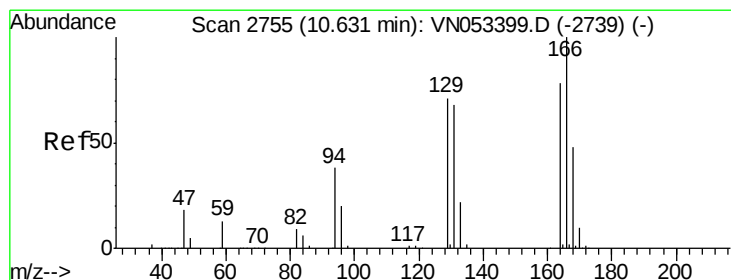
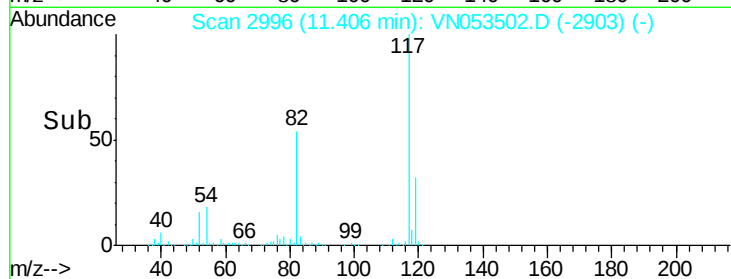
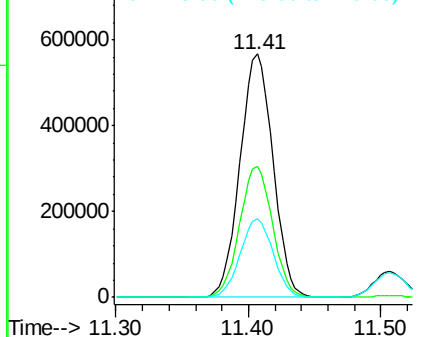
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion:117 Resp: 982002
Ion Ratio Lower Upper
117 100
82 53.6 42.9 64.3
119 32.3 26.0 39.0

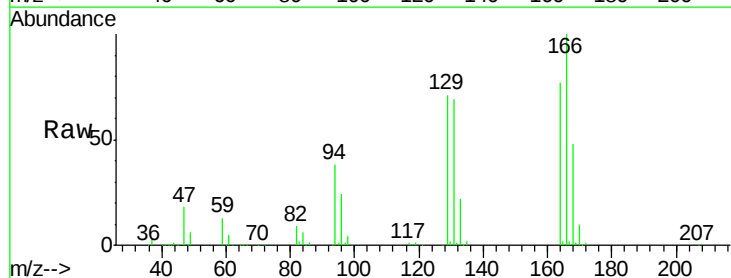


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

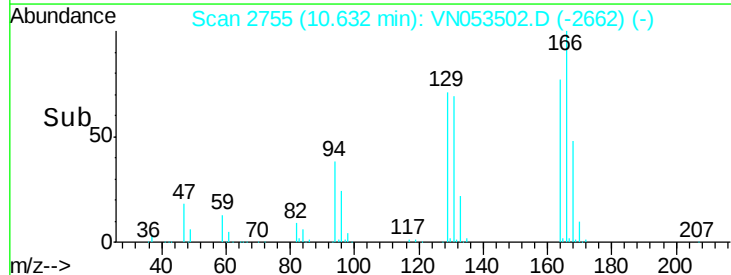
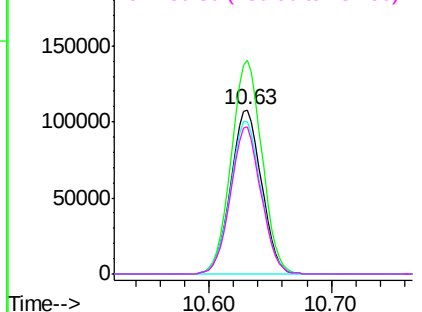


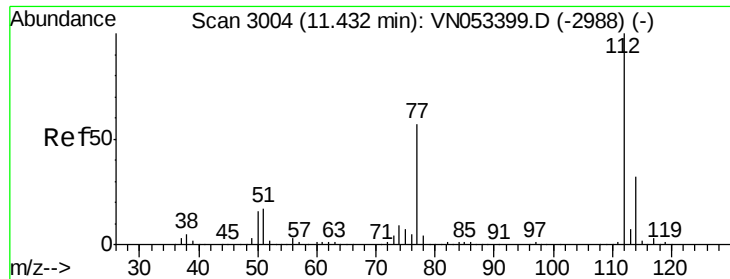
#64
Tetrachloroethene
Concen: 20.454 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Tgt Ion:164 Resp: 189288
Ion Ratio Lower Upper
164 100
166 130.4 102.2 153.4
129 92.9 72.6 109.0
131 89.6 69.5 104.3



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

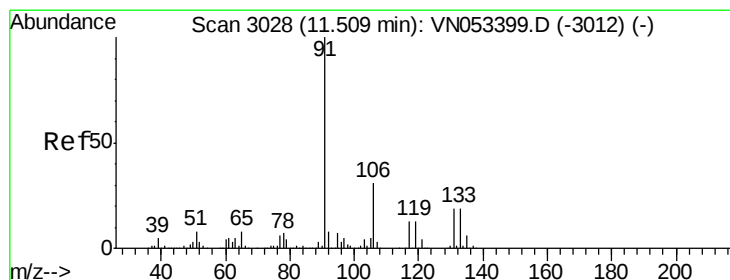
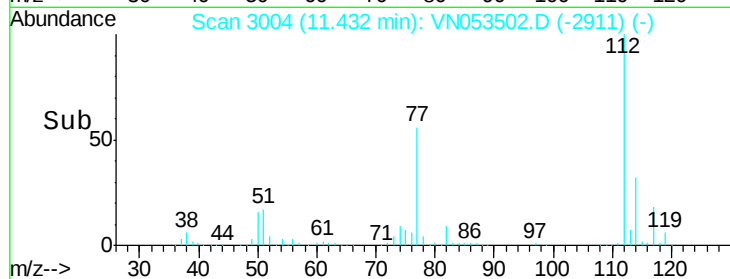
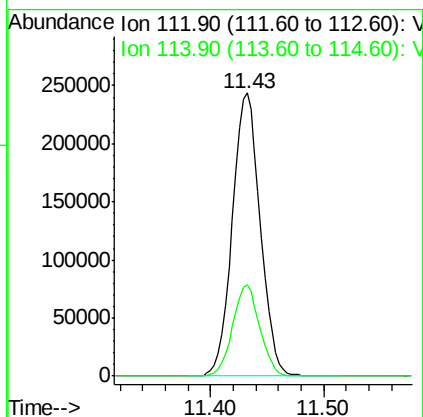
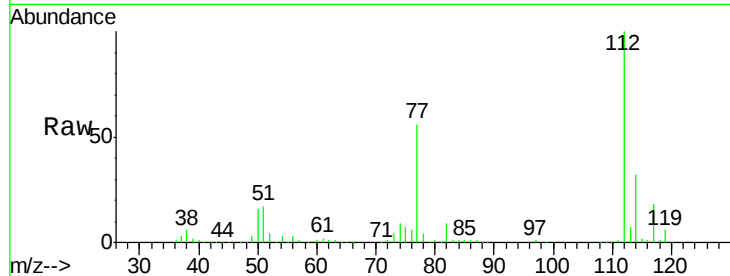




#65
Chlorobenzene
Concen: 20.066 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

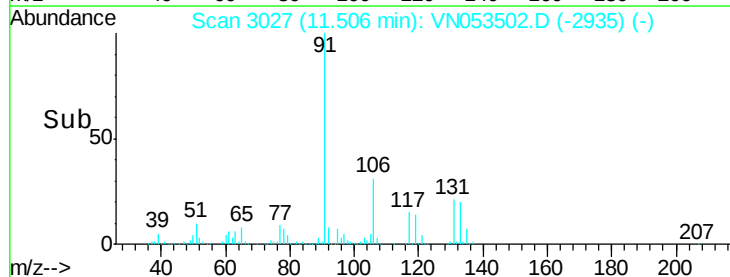
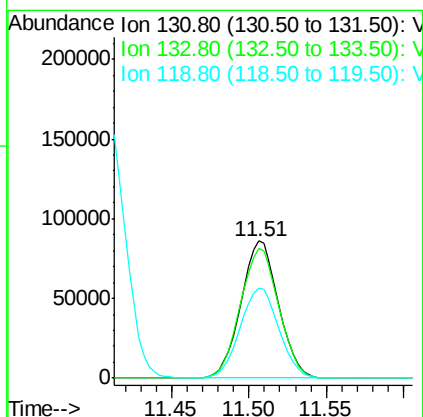
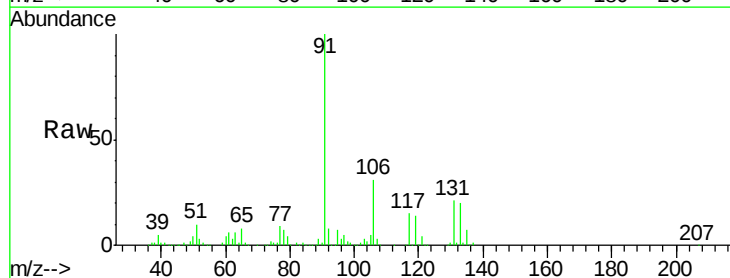
Instrument :
MSVOA_N
ClientSampled :
VN0121WBSD01

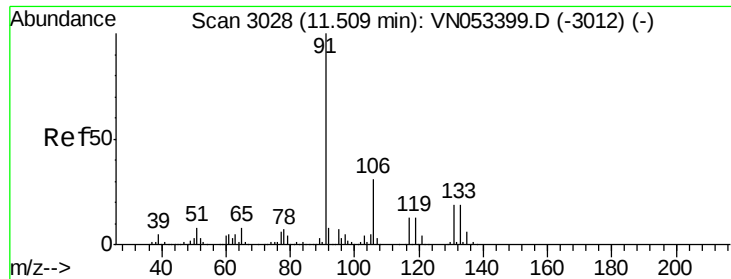
Tot Ion:112 Resp: 417087
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.116 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Tgt Ion:131 Resp: 145456
Ion Ratio Lower Upper
131 100
133 96.7 48.0 144.0
119 67.6 33.5 100.5





#67

Ethyl Benzene

Concen: 19.799 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

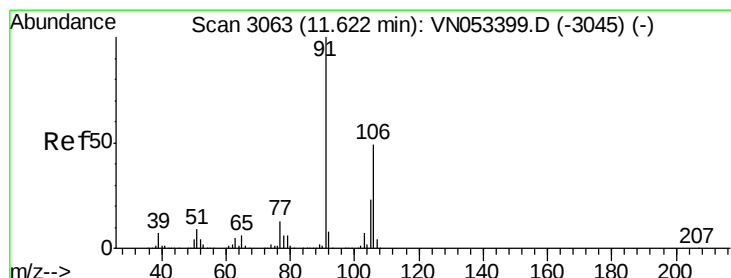
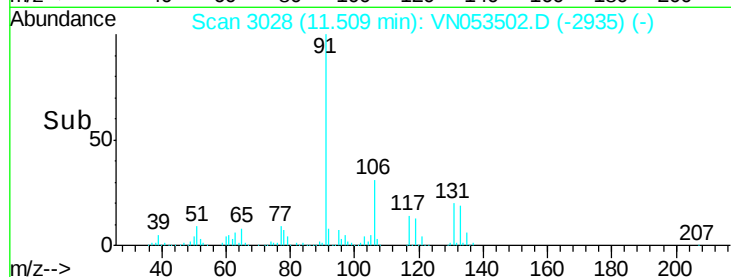
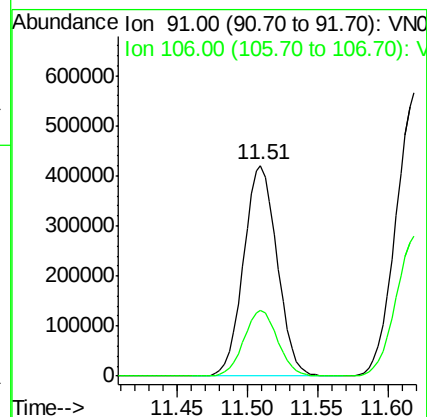
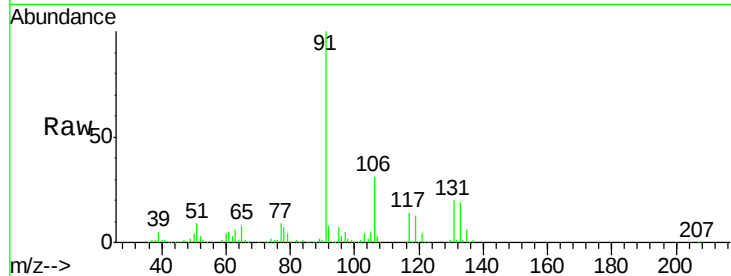
VN0121WBSD01

Tot Ion: 91 Resp: 701362

Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.6



#68

m/p-Xylenes

Concen: 40.457 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053502.D

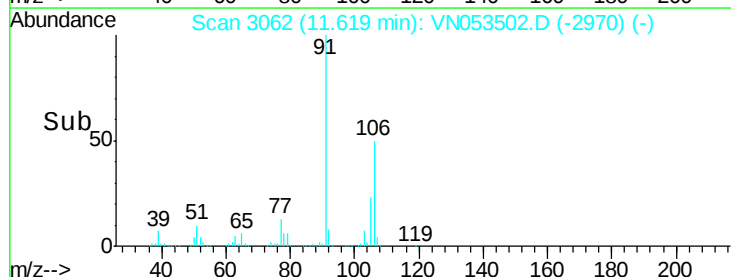
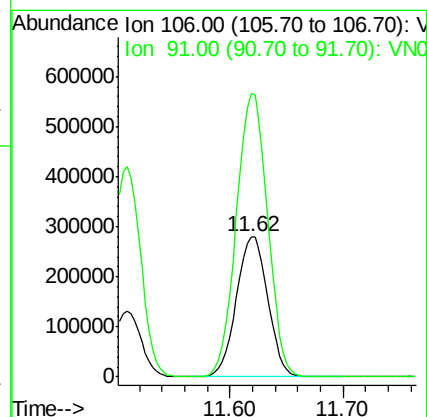
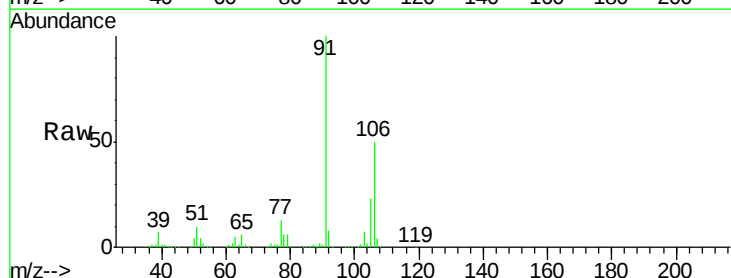
Acq: 21 Jan 2019 13:11

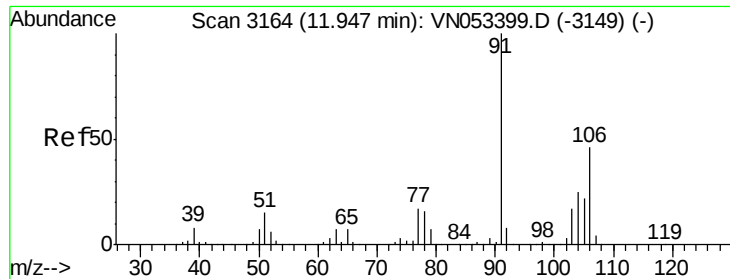
Tgt Ion: 106 Resp: 541095

Ion Ratio Lower Upper

106 100

91 201.2 161.4 242.2

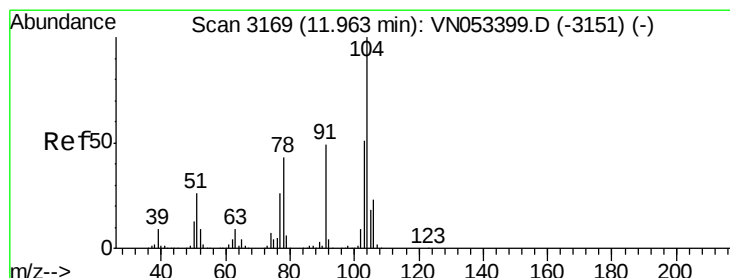
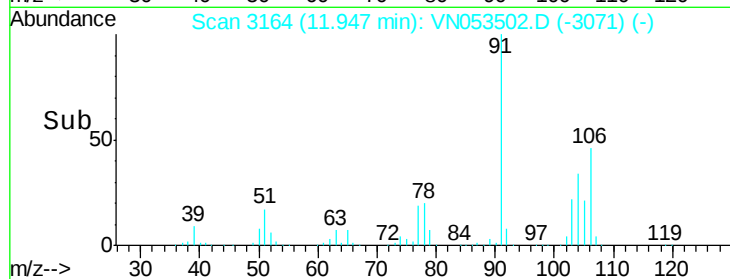
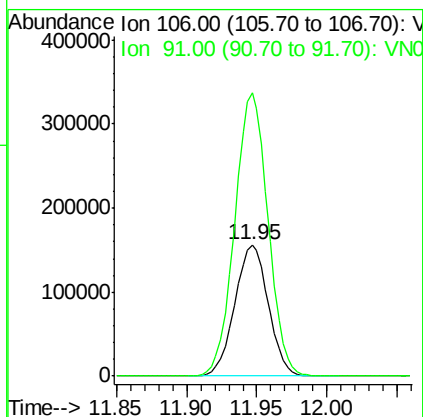
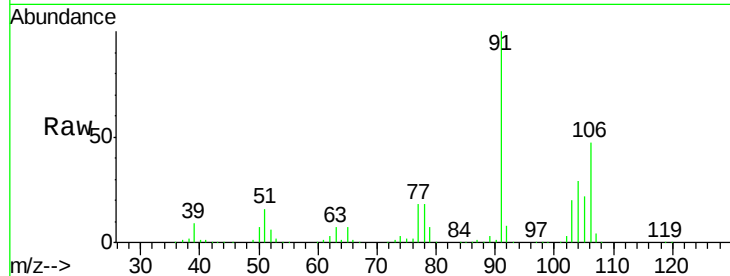




#69
o-Xylene
Concen: 20.013 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

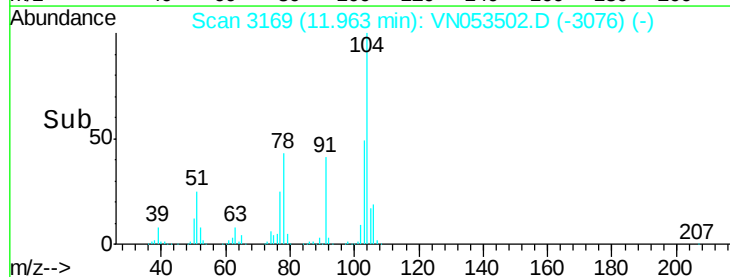
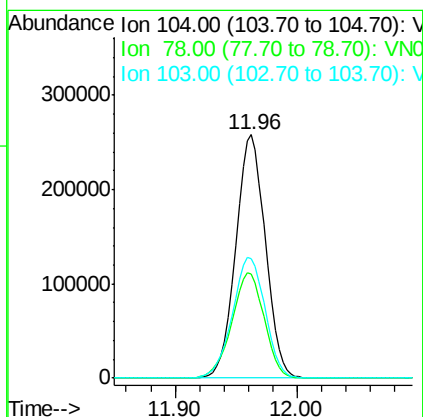
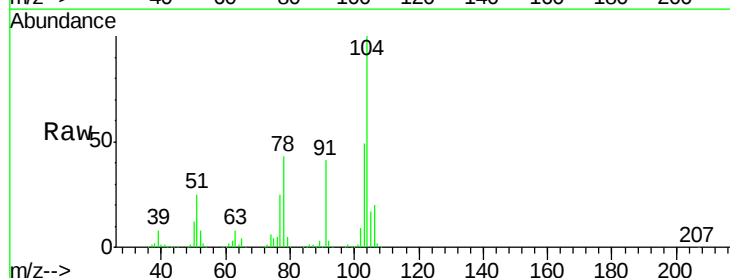
Instrument :
MSVOA_N
ClientSampled :
VN0121WBSD01

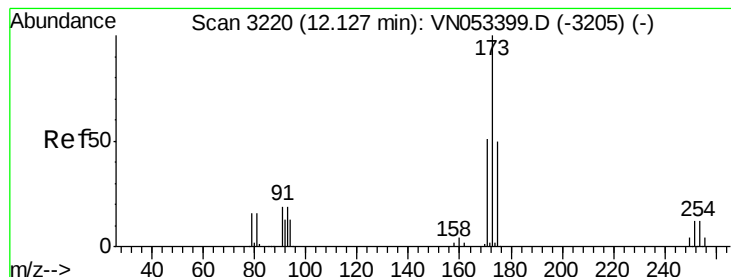
Tot Ion:106 Resp: 260085
Ion Ratio Lower Upper
106 100
91 214.3 106.9 320.8



#70
Styrene
Concen: 20.491 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053502.D
Acq: 21 Jan 2019 13:11

Tgt Ion:104 Resp: 432191
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 54.9 44.4 66.6





#71

Bromoform

Concen: 20.395 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

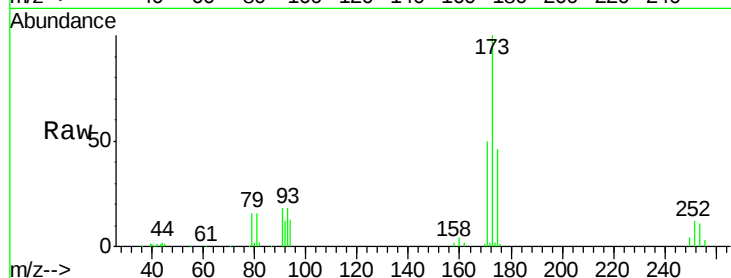
Tot Ion:173 Resp: 101529

Ion Ratio Lower Upper

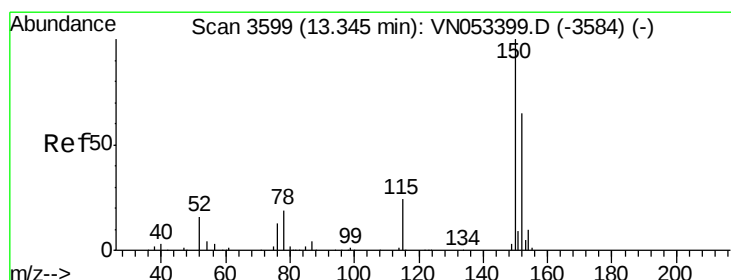
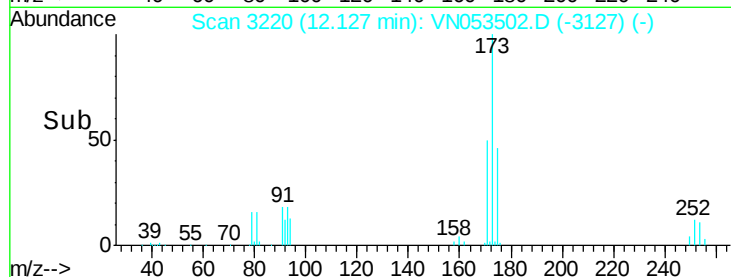
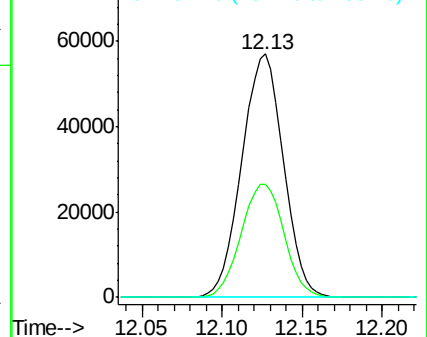
173 100

175 47.7 24.6 74.0

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

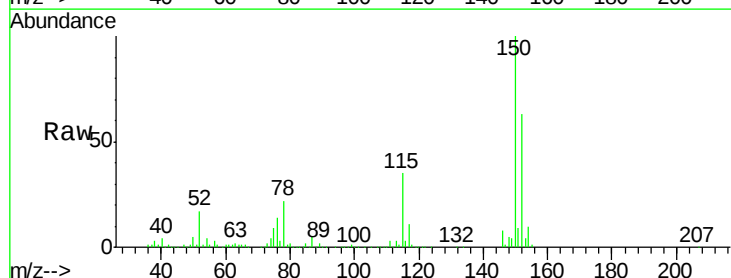
Tgt Ion:152 Resp: 486788

Ion Ratio Lower Upper

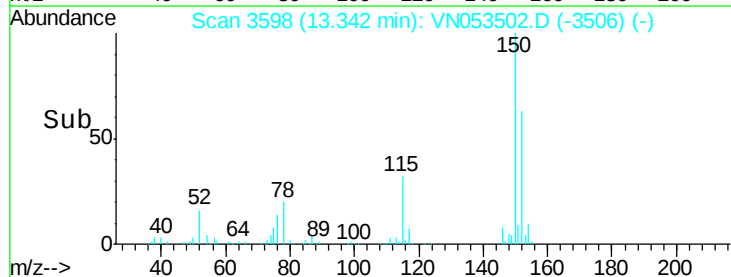
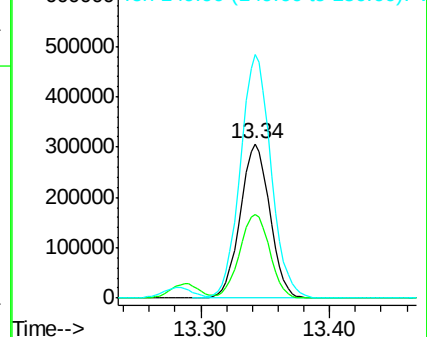
152 100

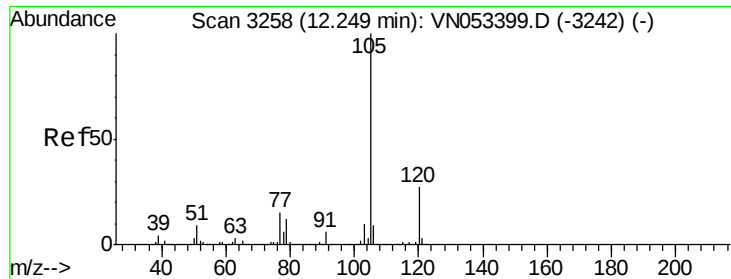
115 55.4 27.8 83.4

150 163.8 0.0 349.0



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





#73

Isopropylbenzene

Concen: 19.375 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

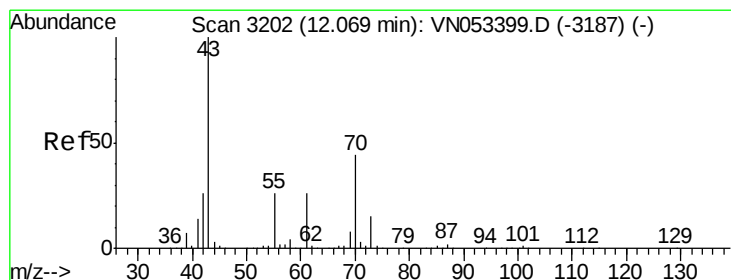
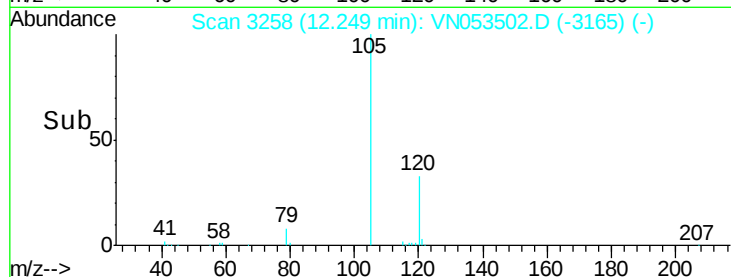
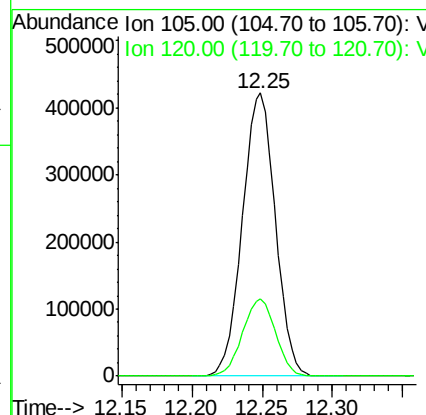
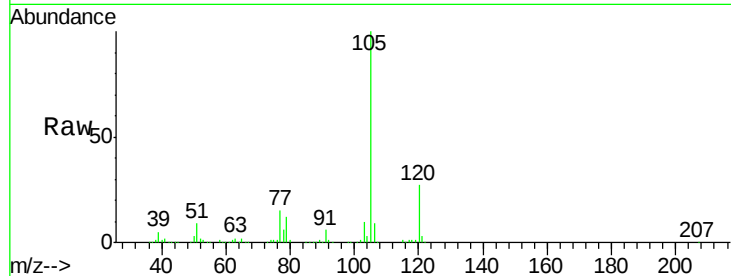
Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion:105 Resp: 690668

Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.6	40.7



#74

N-ethyl acetate

Concen: 19.205 ug/l

RT: 12.07 min Scan# 3201

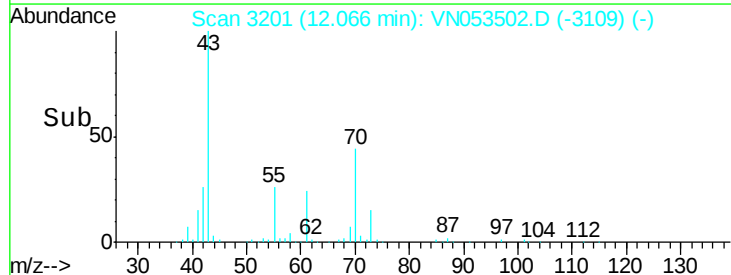
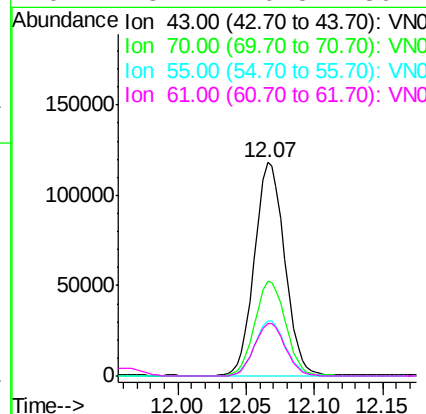
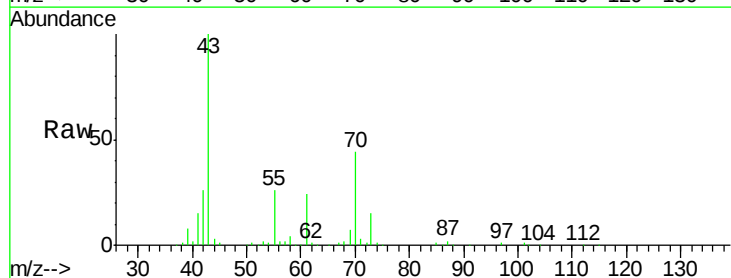
Delta R.T. -0.00 min

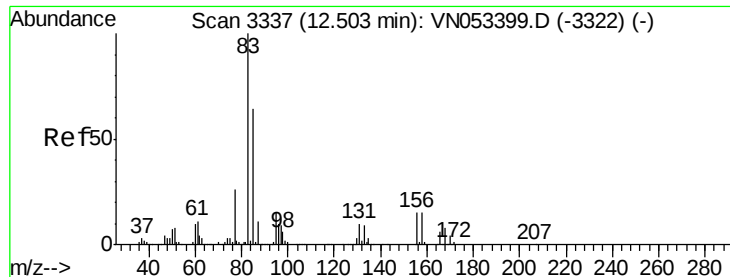
Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Tgt Ion: 43 Resp: 182501

Ion	Ratio	Lower	Upper
43	100		
70	45.5	35.4	53.2
55	26.6	20.9	31.3
61	25.1	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.969 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

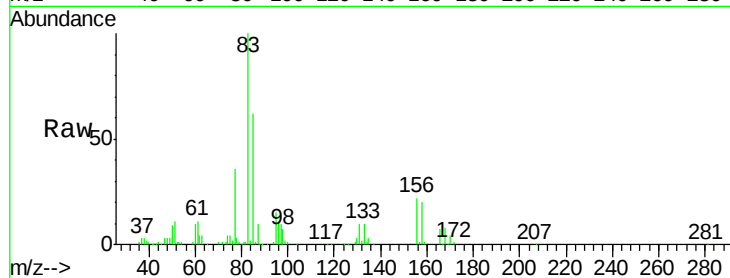
Tot Ion: 83 Resp: 141817

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

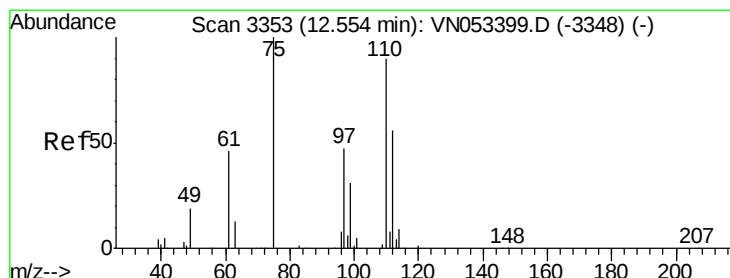
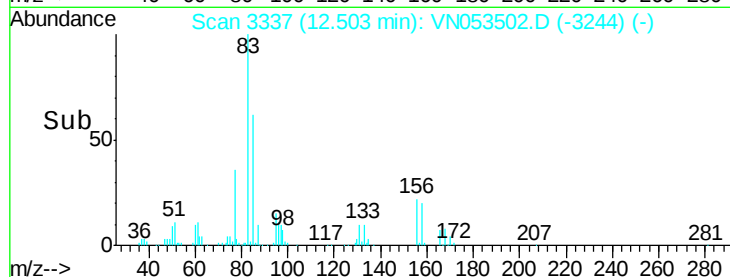
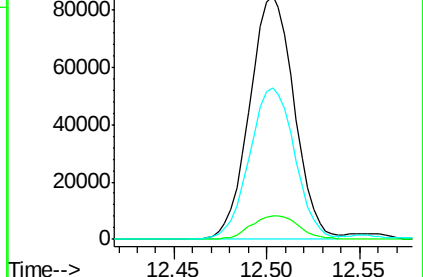
85 63.2 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN053399.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 30.496 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053502.D

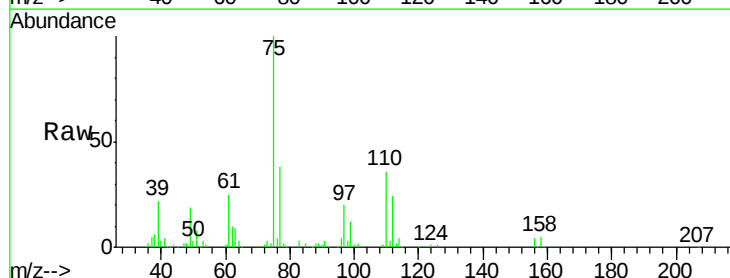
Acq: 21 Jan 2019 13:11

Tgt Ion: 75 Resp: 195628

Ion Ratio Lower Upper

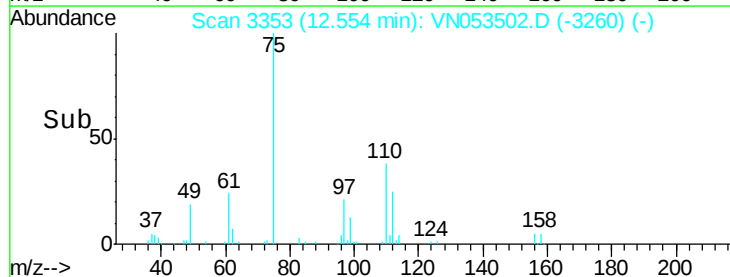
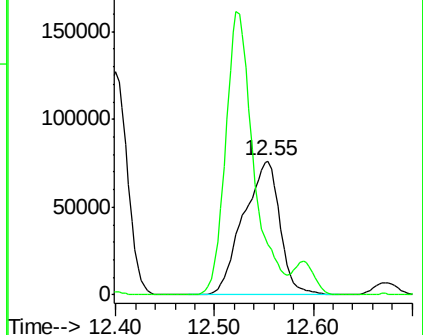
75 100

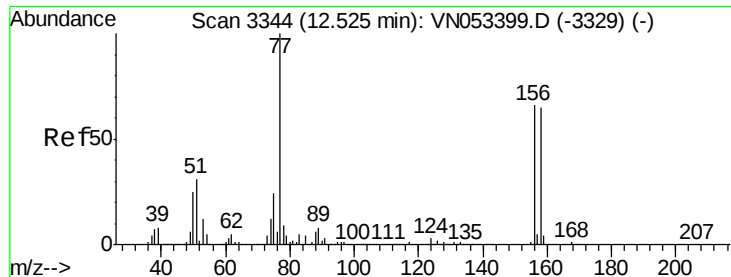
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053399.D (-3348) (-)





#77

Bromobenzene

Concen: 19.352 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

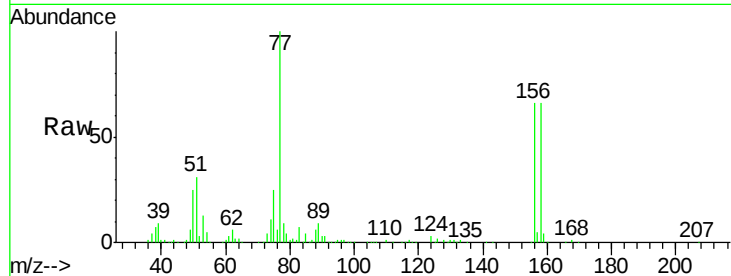
Tot Ion:156 Resp: 181779

Ion Ratio Lower Upper

156 100

77 176.6 87.9 263.8

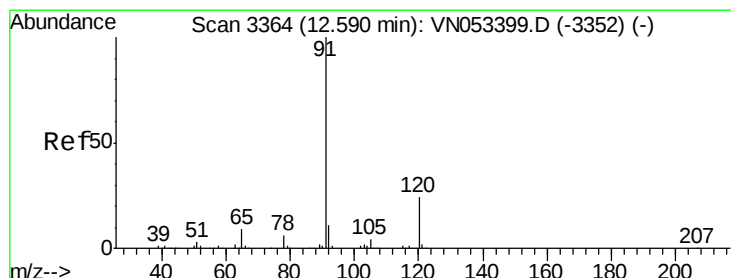
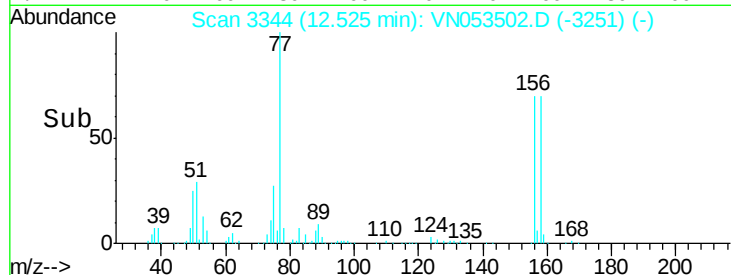
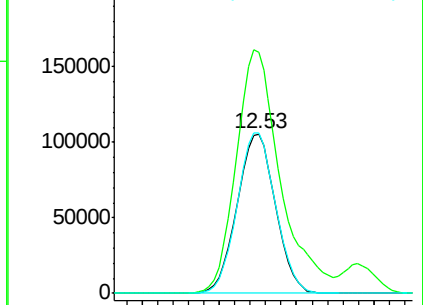
158 100.3 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.525 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053502.D

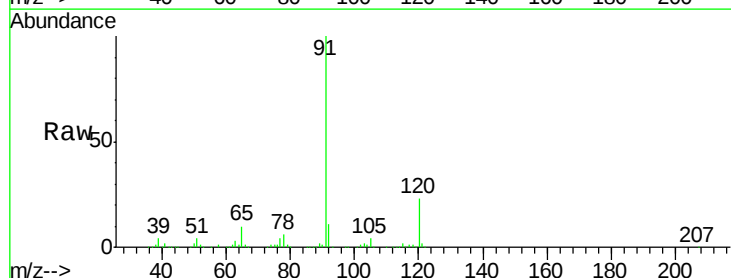
Acq: 21 Jan 2019 13:11

Tgt Ion: 91 Resp: 798949

Ion Ratio Lower Upper

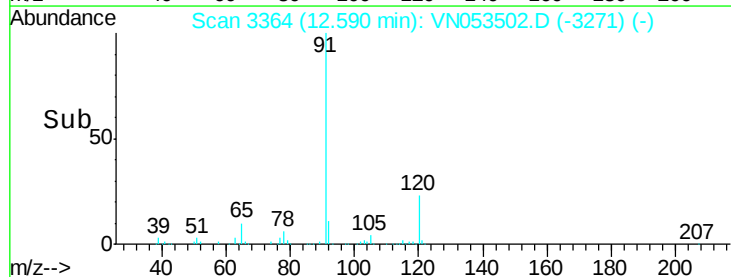
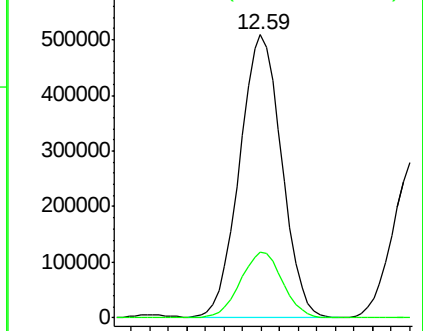
91 100

120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.624 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

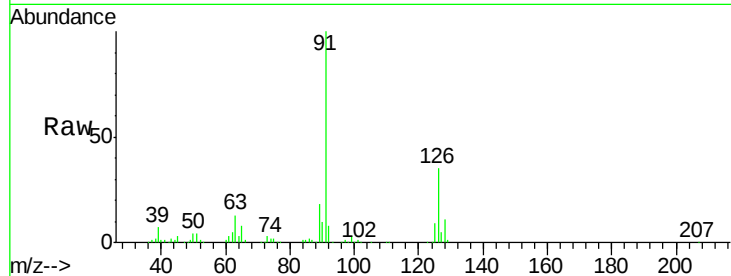
VN0121WBSD01

Tot Ion: 91 Resp: 475962

Ion Ratio Lower Upper

91 100

126 35.7 17.9 53.7



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

Ion 125.90 (125.60 to 126.60): VN053399.D (-3378) (-)

500000

400000

300000

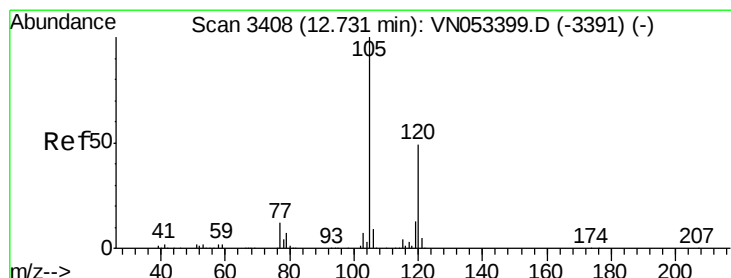
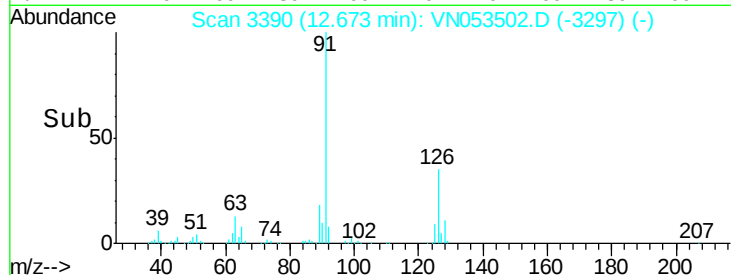
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.901 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053502.D

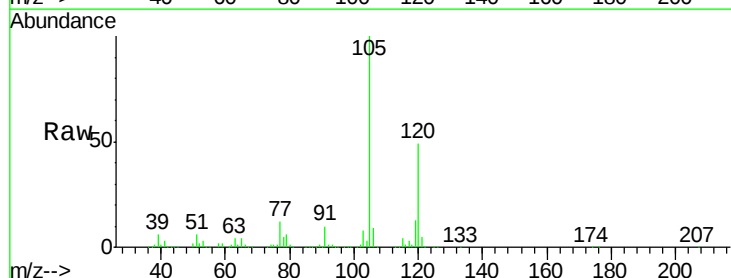
Acq: 21 Jan 2019 13:11

Tgt Ion: 105 Resp: 577207

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6



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

Ion 120.00 (119.70 to 120.70): VN053399.D (-3391) (-)

400000

300000

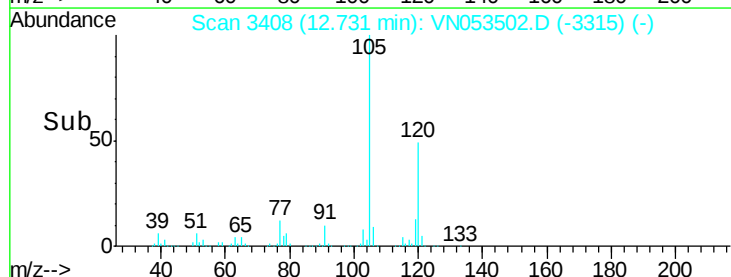
200000

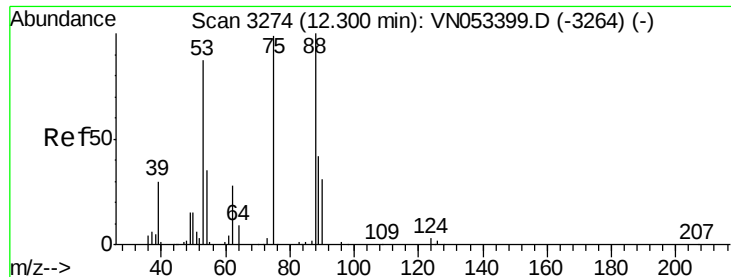
100000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.378 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

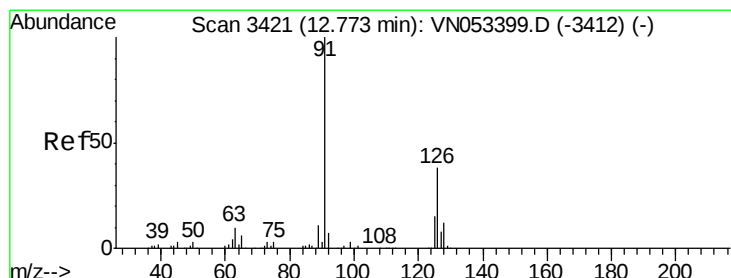
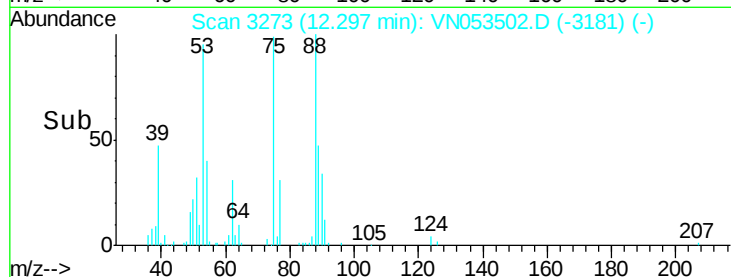
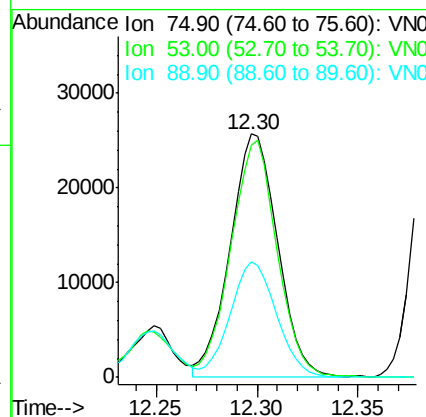
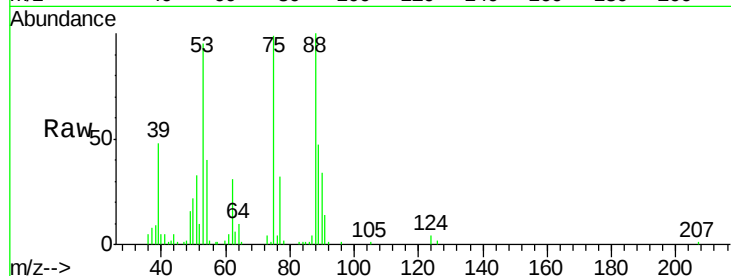
Tot Ion: 75 Resp: 42306

Ion Ratio Lower Upper

75 100

53 95.2 69.8 104.6

89 46.4 35.6 53.4



#82

4-Chlorotoluene

Concen: 19.678 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN053502.D

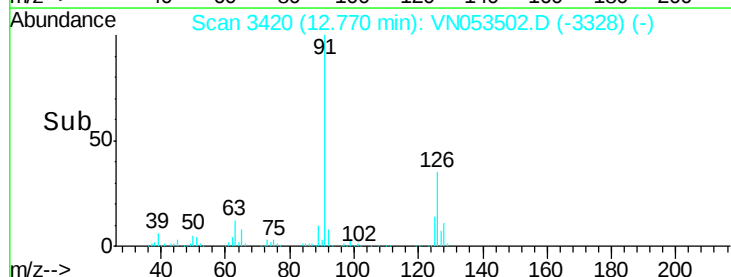
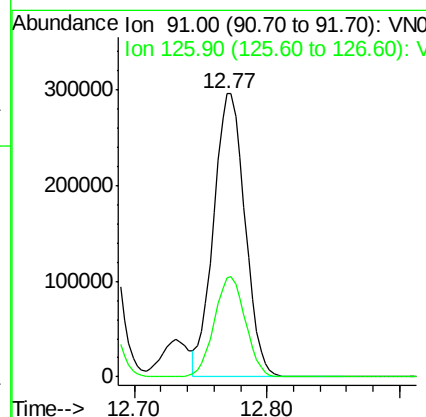
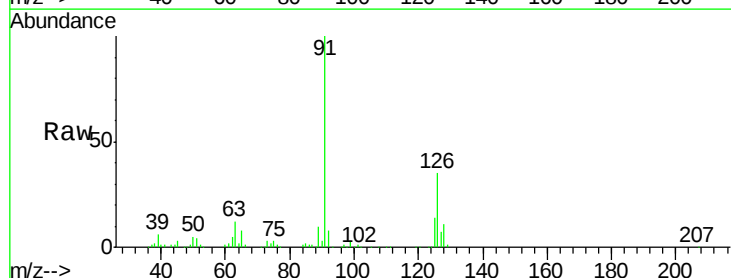
Acq: 21 Jan 2019 13:11

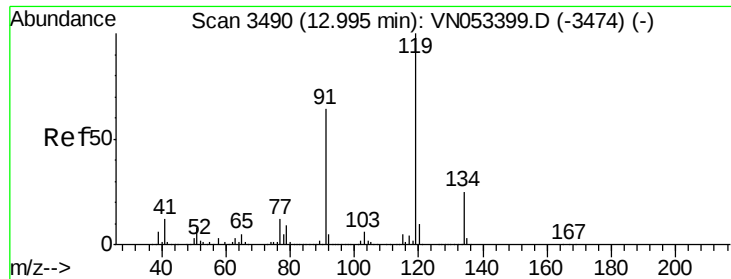
Tgt Ion: 91 Resp: 486727

Ion Ratio Lower Upper

91 100

126 35.1 17.6 52.9

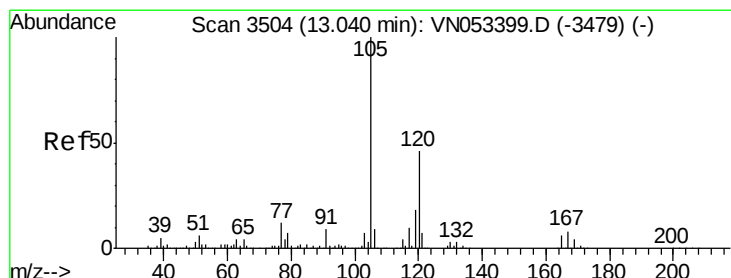
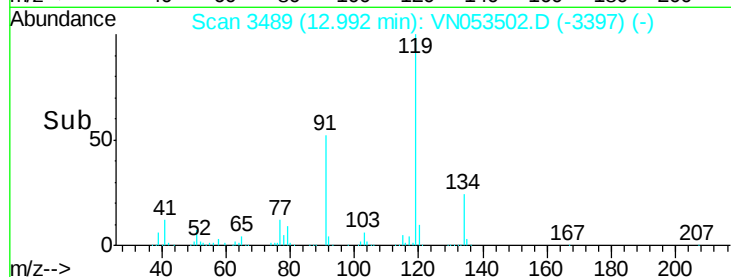
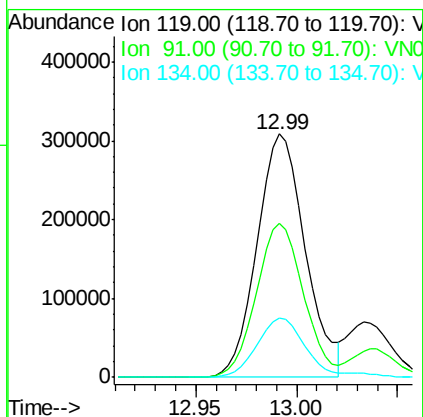
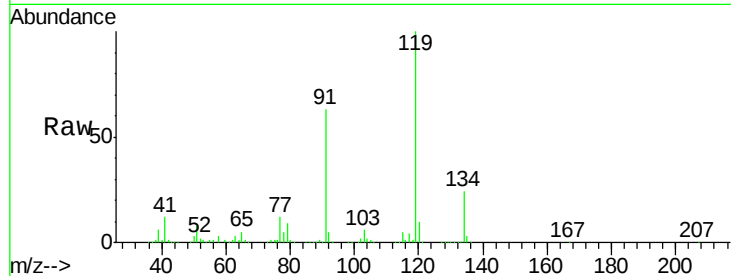




#83
 tert-Butylbenzene
 Concen: 20.100 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

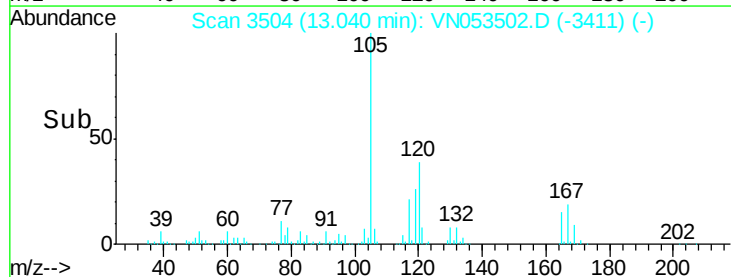
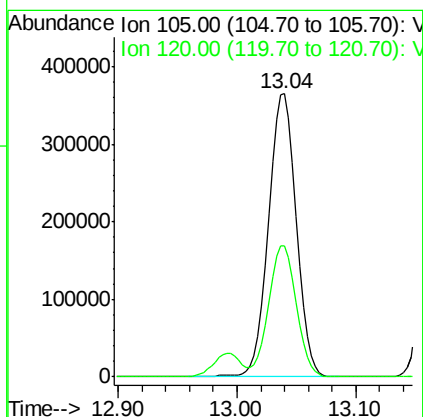
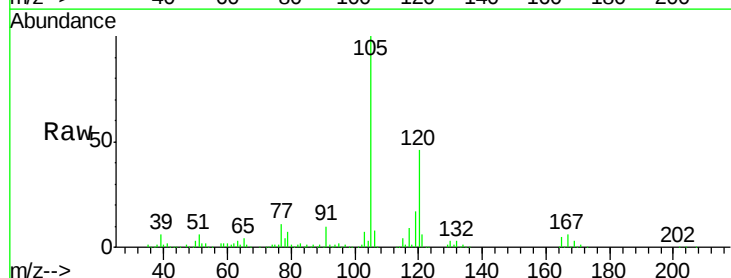
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

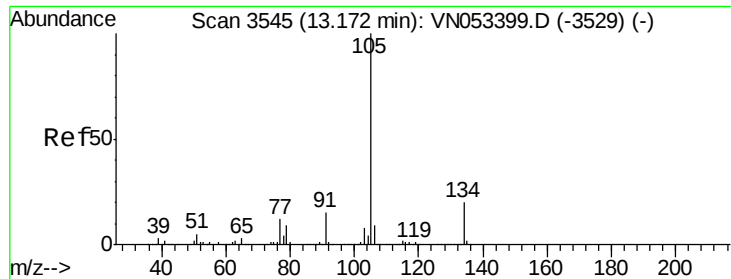
Tot Ion:119 Resp: 514904
 Ion Ratio Lower Upper
 119 100
 91 61.9 31.3 93.8
 134 25.2 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.173 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

Tgt Ion:105 Resp: 589952
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.0 69.0

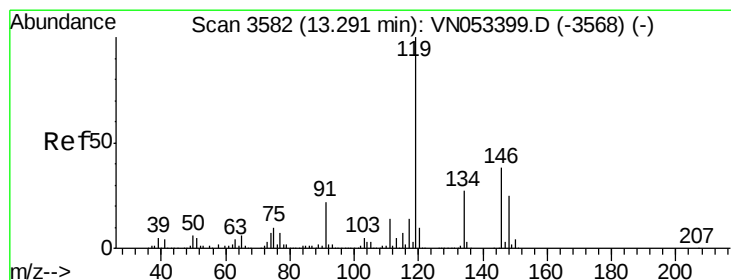
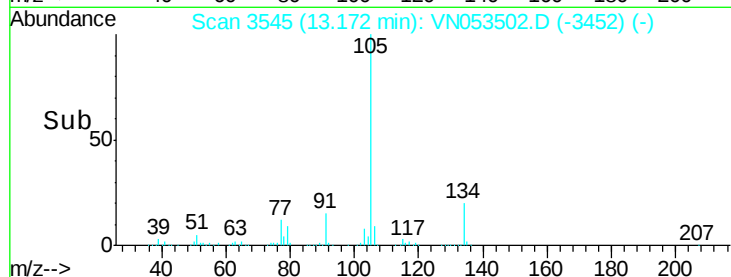
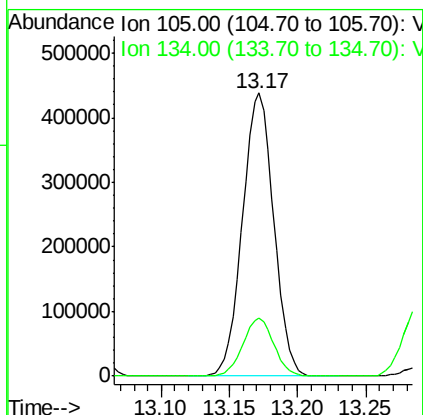
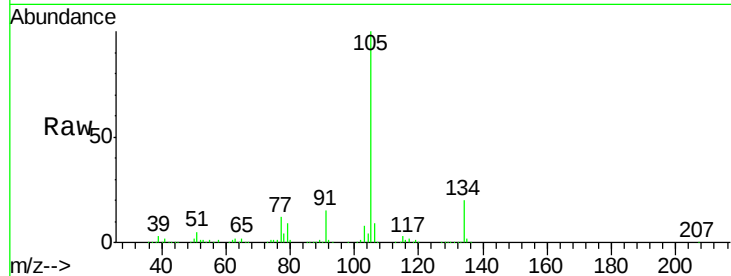




#85
 sec-Butylbenzene
 Concen: 19.809 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

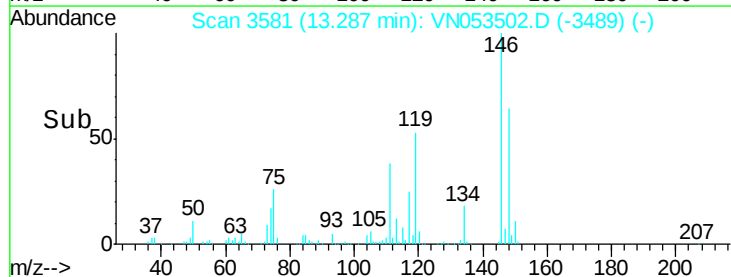
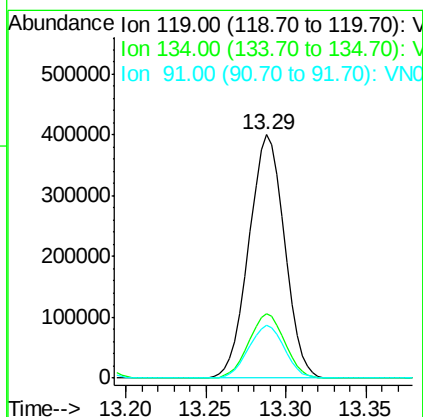
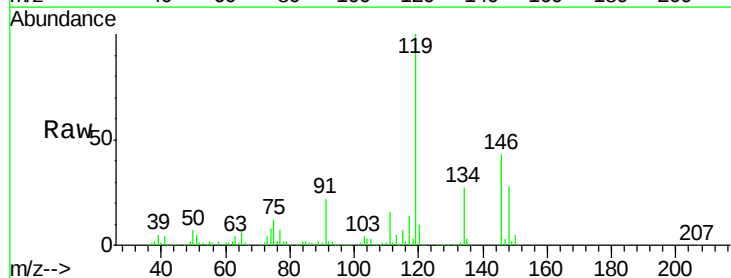
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0121WBSD01

Tot Ion:105 Resp: 695952
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 19.958 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

Tgt Ion:119 Resp: 608803
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.5 40.4
 91 21.9 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 19.677 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

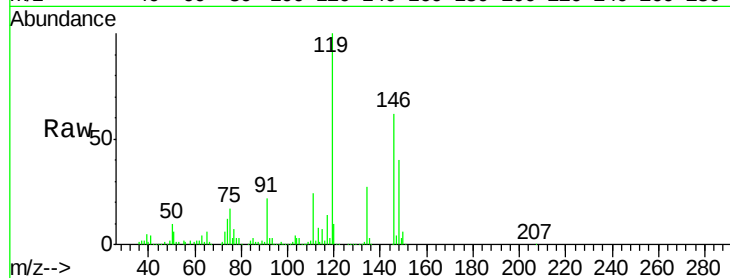
Tot Ion:146 Resp: 325131

Ion Ratio Lower Upper

146 100

111 38.5 18.8 56.3

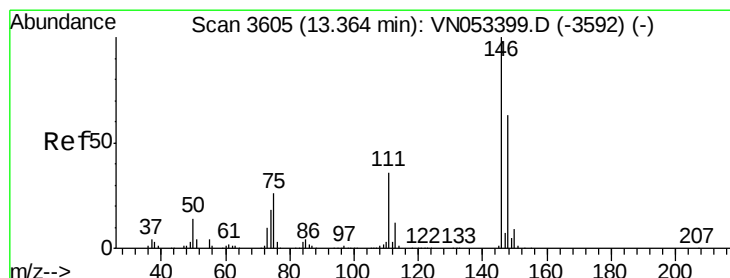
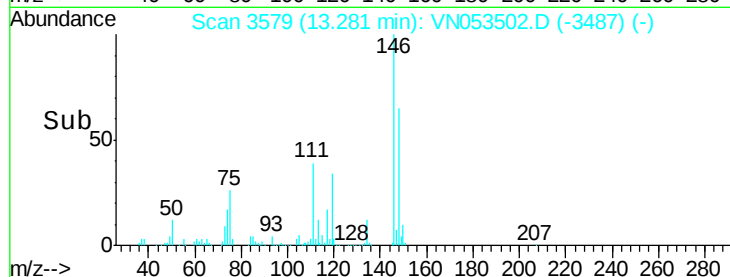
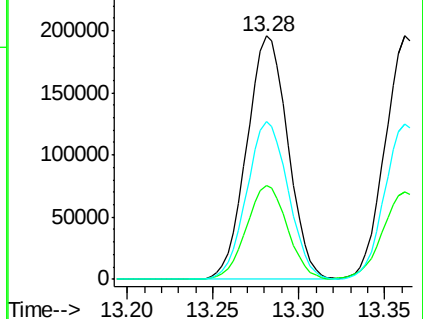
148 65.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.487 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

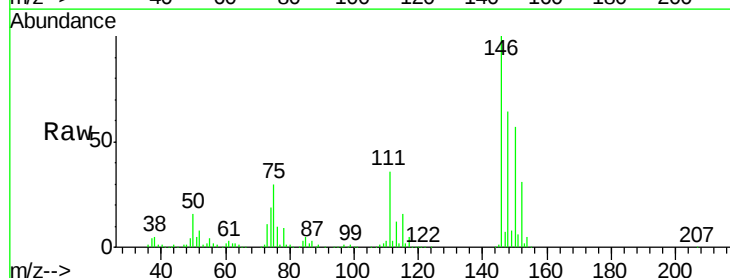
Tgt Ion:146 Resp: 322982

Ion Ratio Lower Upper

146 100

111 37.8 18.6 55.8

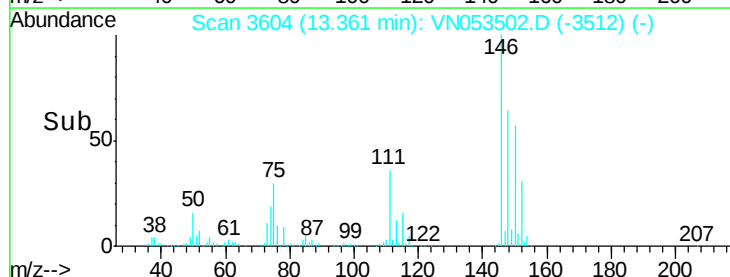
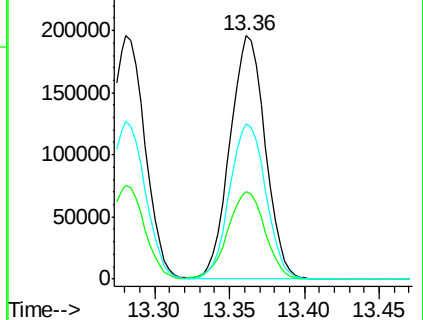
148 65.3 32.4 97.0

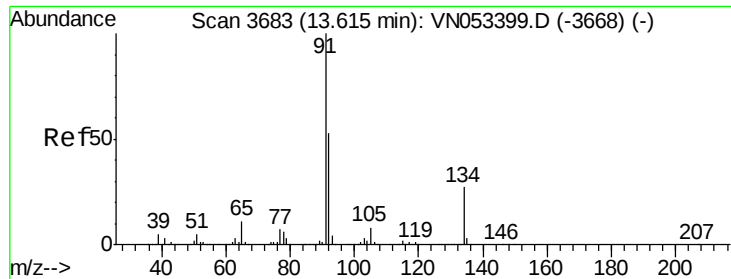


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.389 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

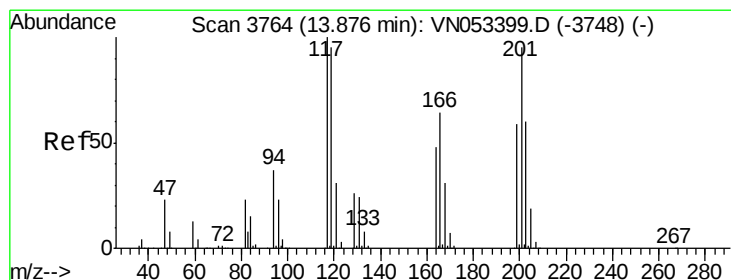
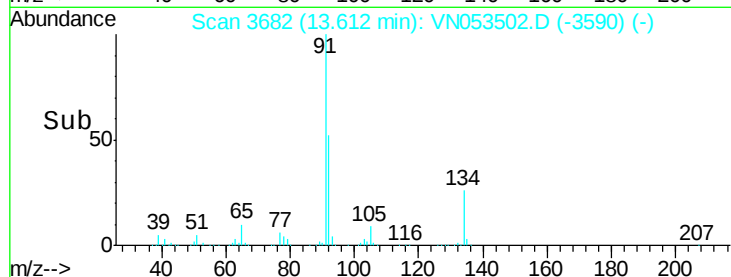
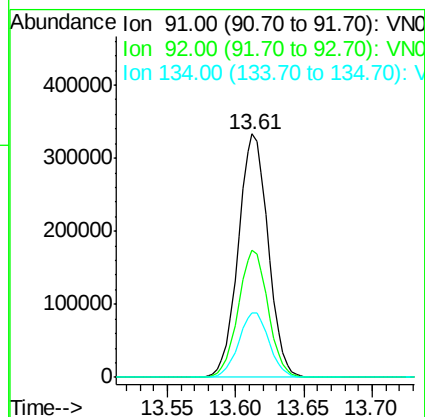
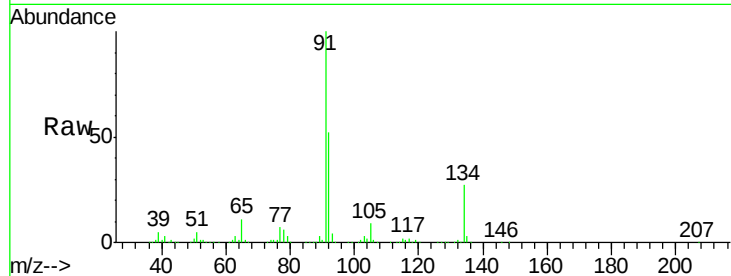
Tot Ion: 91 Resp: 504160

Ion Ratio Lower Upper

91 100

92 52.2 26.3 78.8

134 27.1 13.5 40.5



#90

Hexachloroethane

Concen: 18.981 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053502.D

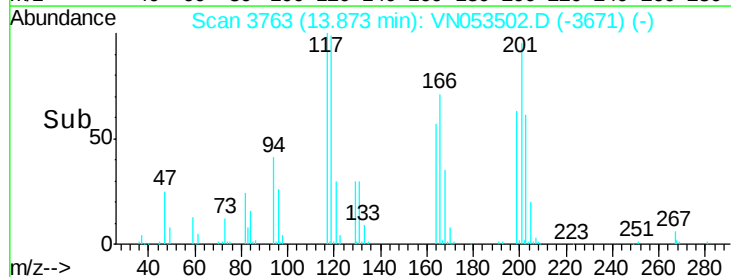
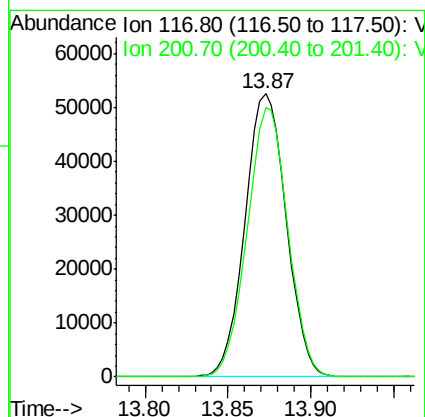
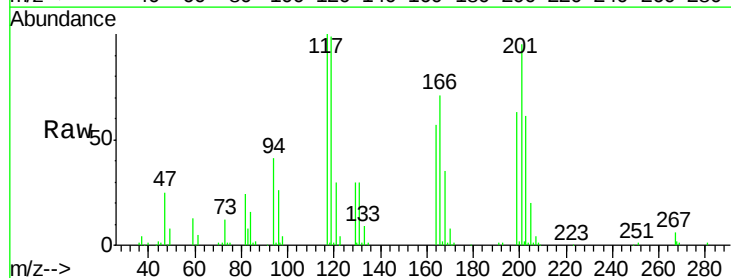
Acq: 21 Jan 2019 13:11

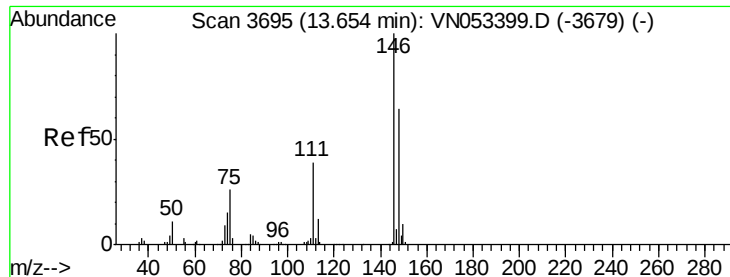
Tgt Ion: 117 Resp: 90808

Ion Ratio Lower Upper

117 100

201 93.6 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 20.739 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

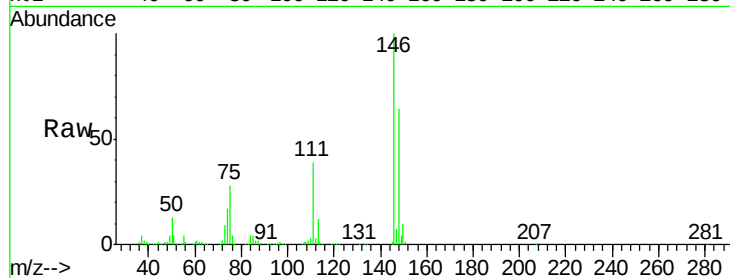
Tot Ion:146 Resp: 315267

Ion Ratio Lower Upper

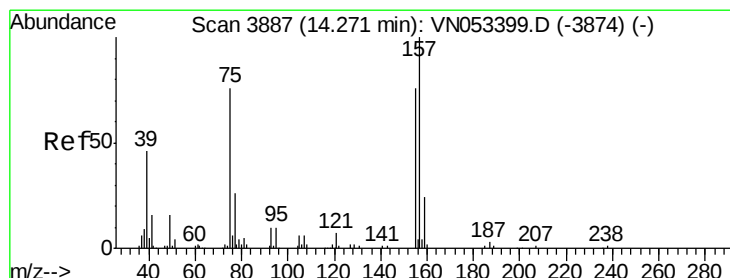
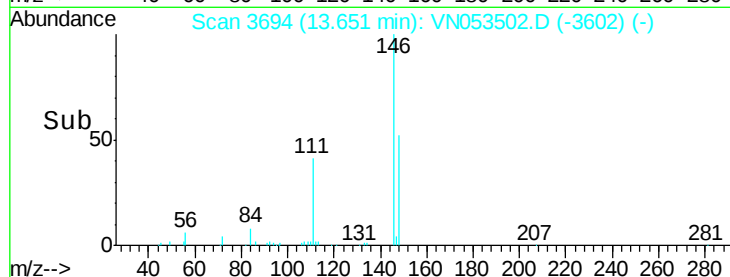
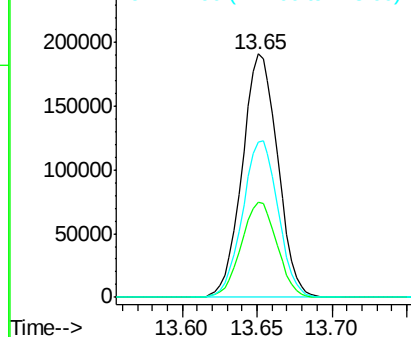
146 100

111 39.3 19.5 58.5

148 64.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.178 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

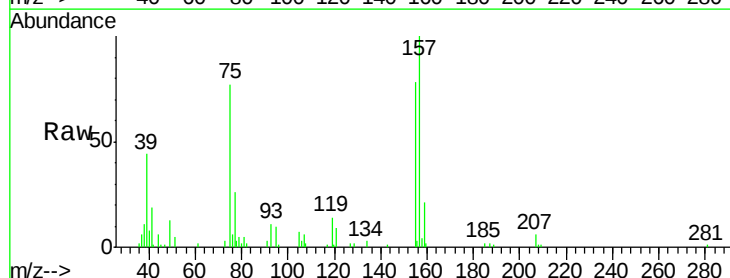
Tgt Ion: 75 Resp: 21024

Ion Ratio Lower Upper

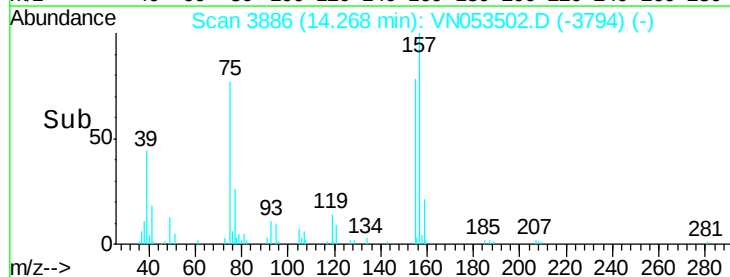
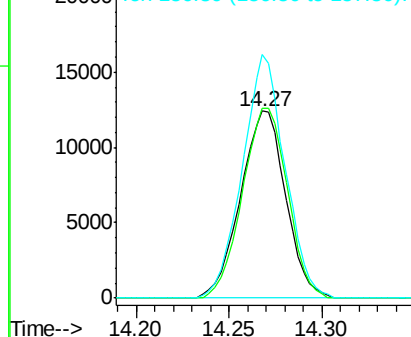
75 100

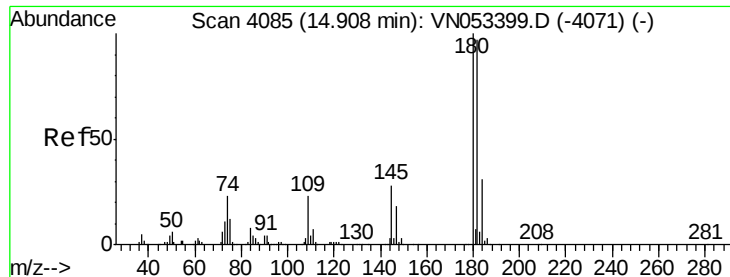
155 100.8 48.9 146.7

157 122.4 63.7 191.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

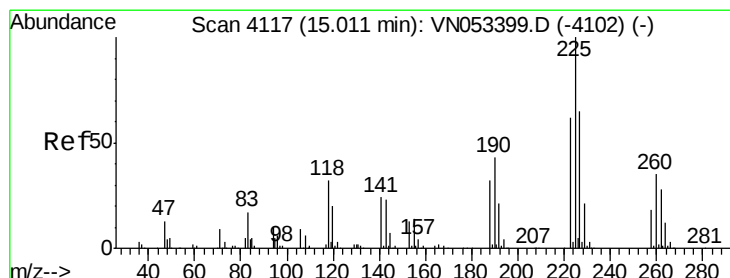
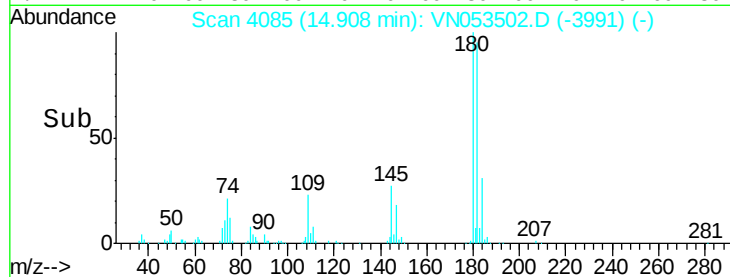
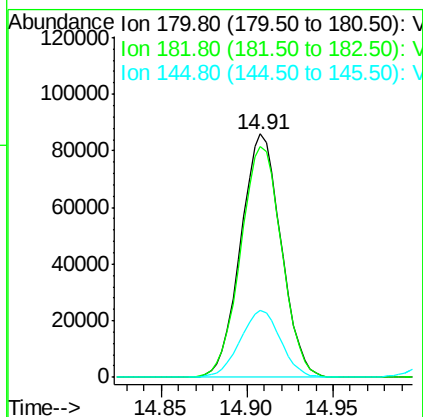
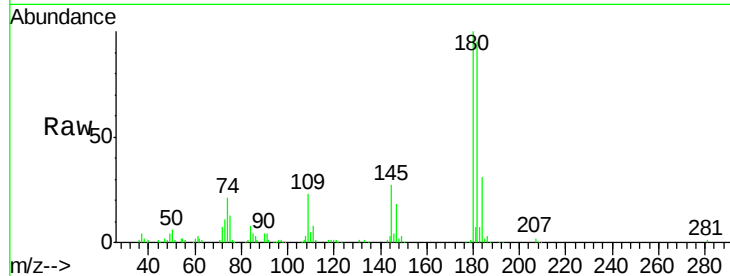




#93
 1,2,4-Trichlorobenzene
 Concen: 22.454 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

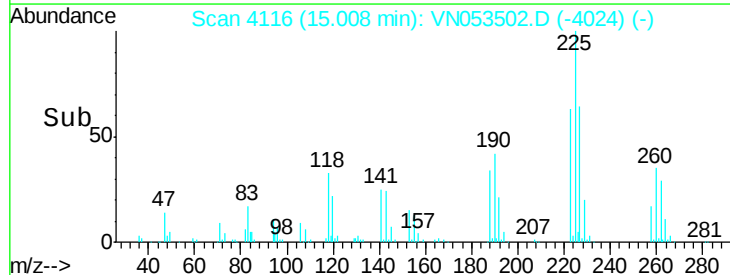
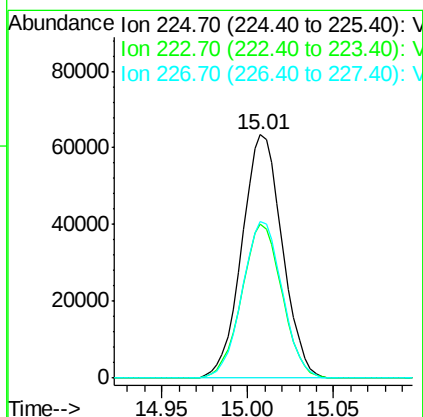
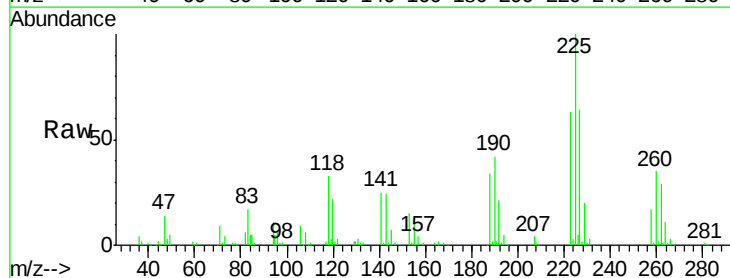
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

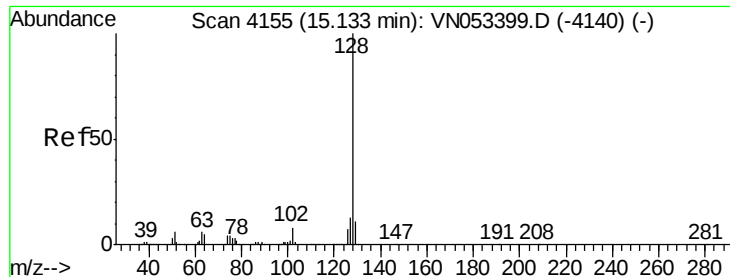
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.1	144.3
145	27.7	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 21.801 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053502.D
 Acq: 21 Jan 2019 13:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.2
227	63.9	32.0	96.2





#95

Naphthalene

Concen: 22.730 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0121WBSD01

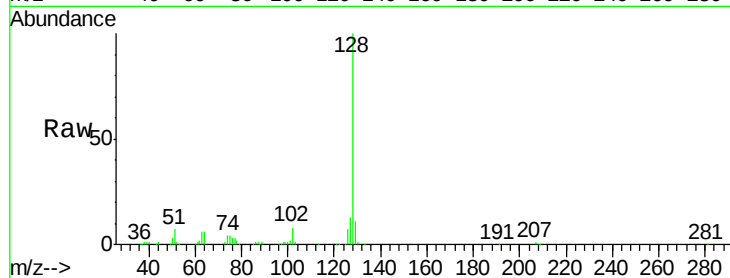
Tot Ion:128 Resp: 240040

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

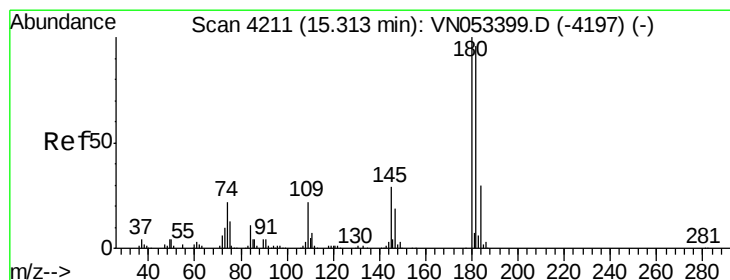
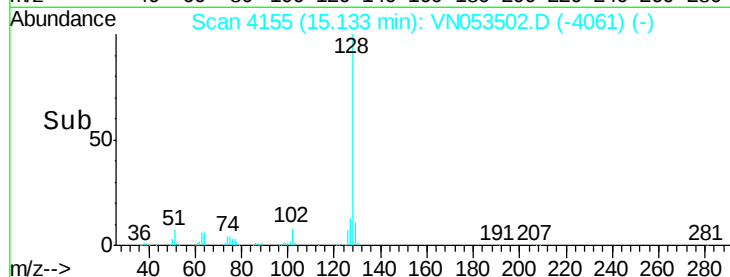
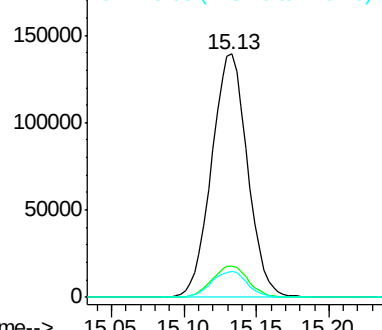
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.825 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053502.D

Acq: 21 Jan 2019 13:11

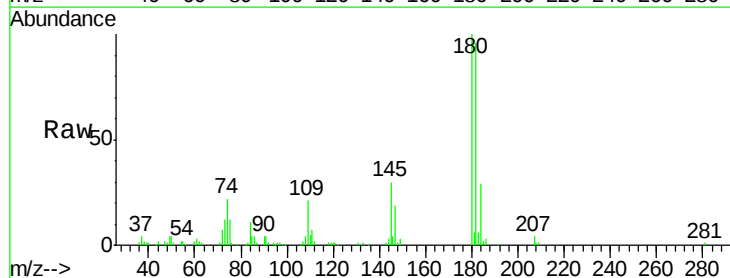
Tgt Ion:180 Resp: 100727

Ion Ratio Lower Upper

180 100

182 97.8 47.9 143.8

145 29.4 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

