

Data File : VN054980.D
Acq On : 11 Apr 2019 16:13
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Apr 12 07:44:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:37:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	79120	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	448588	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	405985	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	177524	31.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.33%
60) 4-Bromofluorobenzene	12.40	95	196220	31.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	105.90%
63) Toluene-d8	10.09	98	559080	28.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	661393	166.526	ug/l	100
3) Chloromethane	2.06	50	912687	173.604	ug/l	97
4) Vinyl Chloride	2.19	62	772485	148.139	ug/l	99
5) Bromomethane	2.55	94	450352	141.202	ug/l	95
6) Chloroethane	2.70	64	436902	143.114	ug/l	100
7) Trichlorofluoromethane	3.02	101	984110	154.749	ug/l	97
8) Diethyl Ether	3.41	74	324141	138.305	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	527054	130.057	ug/l	98
10) 1,1-Dichloroethene	3.73	96	484822	128.353	ug/l	97
11) Methyl Iodide	3.94	142	807070	145.345	ug/l	99
12) Methyl Acetate	4.33	43	678362	208.937	ug/l	98
13) Acrolein	3.61	56	280642	901.395	ug/l	99
14) Acrylonitrile	4.99	53	1388664	909.125	ug/l	98
15) Acetone	3.82	58	287740	650.598	ug/l	99
16) Carbon Disulfide	4.04	76	1854879	152.134	ug/l	98
17) Allyl chloride	4.31	41	1334779	197.187	ug/l	100
18) Methylene Chloride	4.55	84	736719	166.081	ug/l	99
19) trans-1,2-Dichloroethene	5.03	96	679473	164.411	ug/l	96
20) Diisopropyl ether	5.96	45	2639126	194.075	ug/l	97
21) 1,1-Dichloroethane	5.85	63	1369943	170.806	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	783308	169.702	ug/l	100
23) tert-Butyl Alcohol	4.82	59	233654	866.901	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	1853584	181.142	ug/l #	67
25) Chloroform	7.37	83	1308162	169.224	ug/l	100
26) Cyclohexane	7.65	56	1293231	178.146	ug/l #	99
29) 1,1-Dichloropropene	7.79	75	1043282	169.442	ug/l	99
30) 2-Butanone	6.84	43	1765762	909.958	ug/l	100
31) 2,2-Dichloropropane	6.82	77	979350	161.979	ug/l #	100
32) 1,1,1-Trichloroethane	7.57	97	1104223	166.770	ug/l	98
33) Carbon Tetrachloride	7.77	117	957423	163.681	ug/l	98
34) Benzene	8.04	78	3048518	166.634	ug/l #	89
35) Methacrylonitrile	7.18	41	446816	201.811	ug/l	93
36) 1,2-Dichloroethane	8.12	62	1012713	170.459	ug/l	100
37) Trichloroethene	8.83	130	768737	160.444	ug/l	94
38) Methylcyclohexane	9.08	83	1193432	164.429	ug/l	98
39) 1,2-Dichloropropane	9.12	63	840981	167.136	ug/l	99
40) Dibromomethane	9.21	93	466093	162.064	ug/l	97

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1020211	168.024	ug/l	99
42) Vinyl Acetate	5.90	43	9401582	946.753	ug/l	99
43) Ethyl Acetate	6.94	43	733213	180.924	ug/l	97
44) Isopropyl Acetate	8.17	43	1306031	184.907	ug/l	99
45) 1,4-Dioxane	9.20	88	134168	3573.323	ug/l	98
46) Methyl methacrylate	9.20	41	695961	204.748	ug/l	97
47) n-amyl Acetate	12.07	43	1061308	208.056	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	1067500	178.440	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	1227453	173.371	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	655376	163.084	ug/l	99
51) Ethyl methacrylate	10.43	69	897365	189.733	ug/l	99
52) 1,3-Dichloropropane	10.71	76	1169582	170.021	ug/l	100
53) Dibromochloromethane	10.90	129	741268	169.958	ug/l	97
54) 1,2-Dibromoethane	11.00	107	659035	174.081	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	1874208	861.744	ug/l	100
56) Bromoform	12.13	173	487929	170.222	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	3664712	925.766	ug/l	100
59) 2-Hexanone	10.75	43	2328422	899.970	ug/l	98
61) Tetrachloroethene	10.63	164	724976	145.396	ug/l	96
62) Toluene	10.16	91	3226621	162.021	ug/l	98
64) Chlorobenzene	11.43	112	2013086	165.684	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	733450	165.377	ug/l	99
66) Ethyl Benzene	11.51	91	3571602	171.602	ug/l	99
67) m/p-Xylenes	11.62	106	2656104	340.524	ug/l	100
68) o-Xylene	11.95	106	1296254	170.774	ug/l	100
69) Styrene	11.96	104	2105129	176.995	ug/l	99
70) Isopropylbenzene	12.25	105	3468121	173.988	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	795311	162.860	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	1002924	268.850	ug/l	57
73) Bromobenzene	12.53	156	848388	169.865	ug/l	100
74) n-propylbenzene	12.59	91	4015964	170.113	ug/l	100
75) 2-Chlorotoluene	12.67	91	2365644	170.502	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	2815513	167.570	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	208475	164.485	ug/l	83
78) 4-Chlorotoluene	12.77	91	2359028	171.353	ug/l	99
79) tert-butylbenzene	12.99	119	2420470	164.039	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	2822343	169.894	ug/l	99
81) sec-Butylbenzene	13.17	105	3265289	162.034	ug/l	100
82) p-Isopropyltoluene	13.29	119	2793047	162.891	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	1473976	168.817	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1442118	173.399	ug/l	99
85) n-Butylbenzene	13.61	91	2427815	165.421	ug/l	98
86) Hexachloroethane	13.87	117	484889	151.968	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	1400007	165.208	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	121478	176.145	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	786293	189.656	ug/l	97
90) Hexachlorobutadiene	15.01	225	427151	136.263	ug/l	99
91) Naphthalene	15.13	128	1741719	211.676	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	748516	181.058	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041119\
Quantitation Report (Not Reviewed)

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ClientSampleId :
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:37:15 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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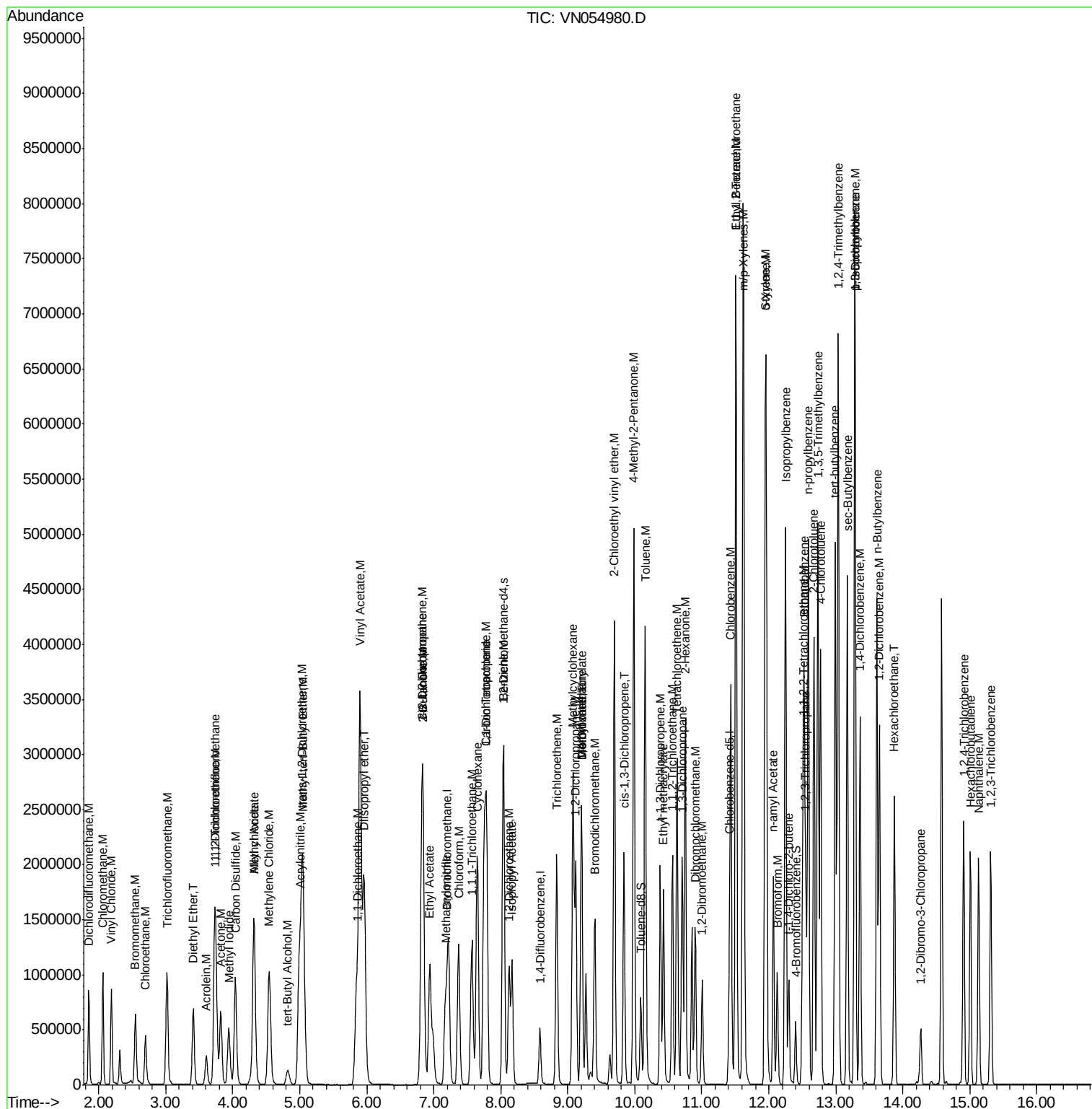
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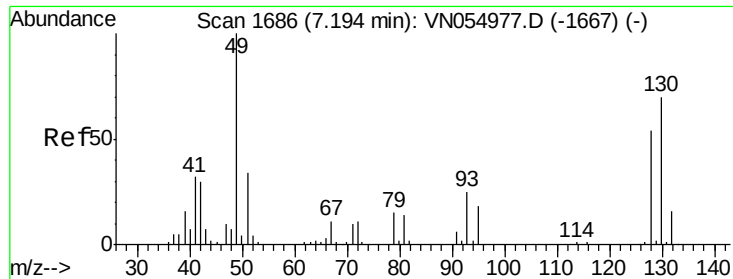
Data File : VN054980.D

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Acq On       : 11 Apr 2019   16:13
Operator     : JC/SP
Sample       : VSTDICC150
Misc         : 5.00mL/MSV0A_N/WATER
ALS Vial     : 6      Sample Multiplier: 1
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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Apr 12 07:44:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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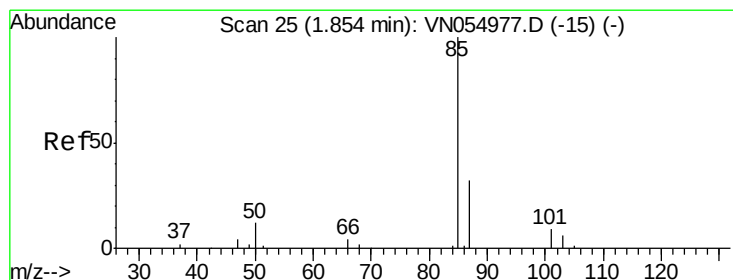
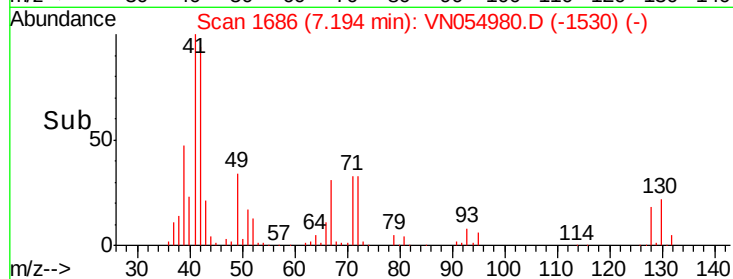
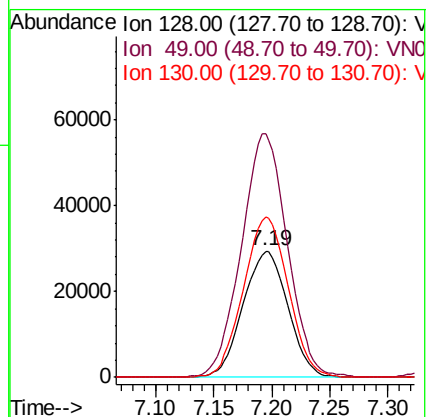
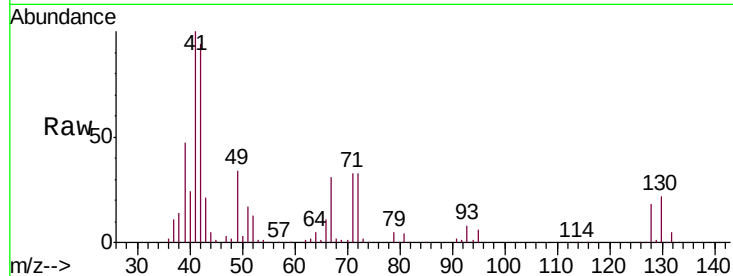




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN054980.D
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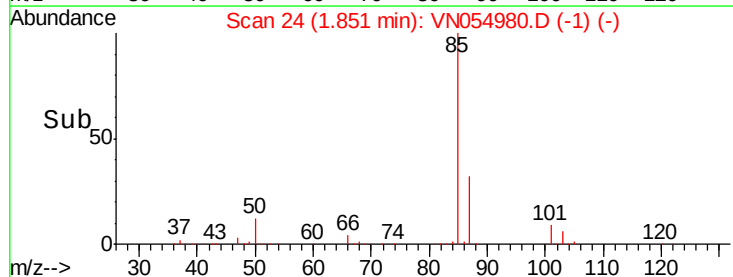
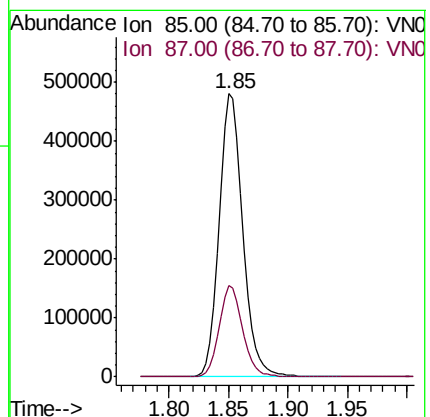
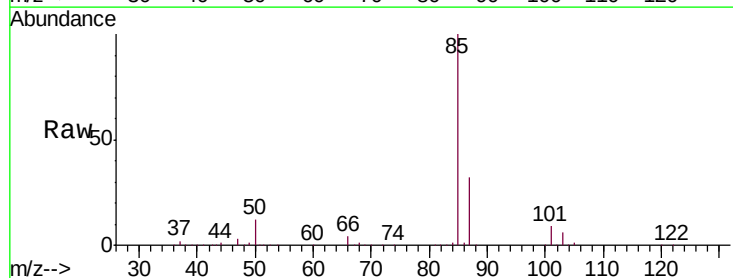
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

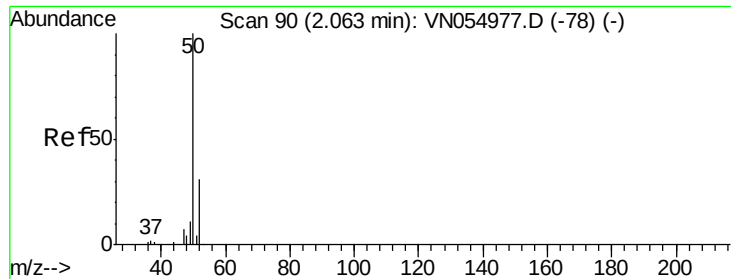
Tgt Ion:128 Resp: 79120
Ion Ratio Lower Upper
128 100
49 198.0 0.0 480.3
130 127.6 0.0 322.2



#2
Dichlorodifluoromethane
Concen: 166.526 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion: 85 Resp: 661393
Ion Ratio Lower Upper
85 100
87 32.1 16.1 48.3





#3

Chloromethane

Concen: 173.604 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

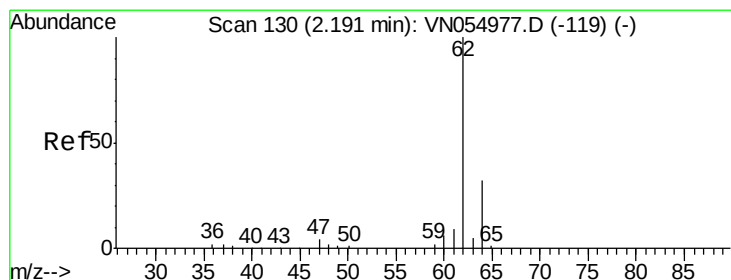
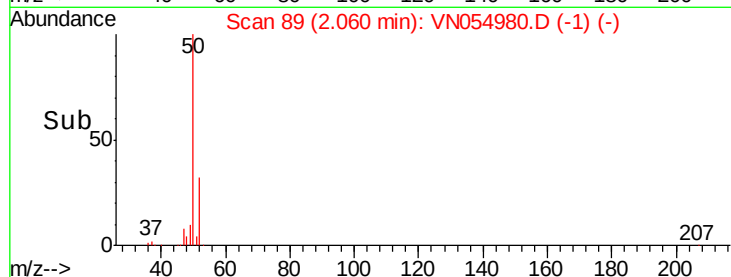
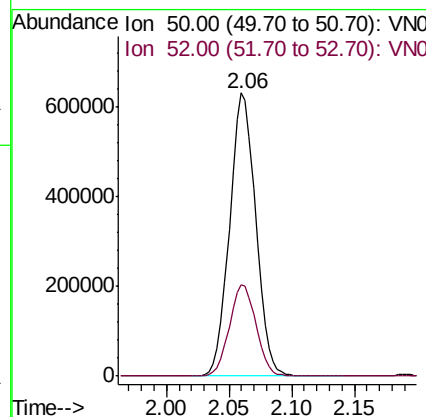
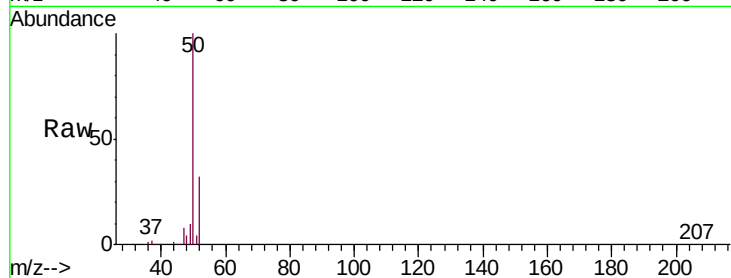
VSTDIC150

Tgt Ion: 50 Resp: 912687

Ion Ratio Lower Upper

50 100

52 32.3 24.5 36.7



#4

Vinyl Chloride

Concen: 148.139 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054980.D

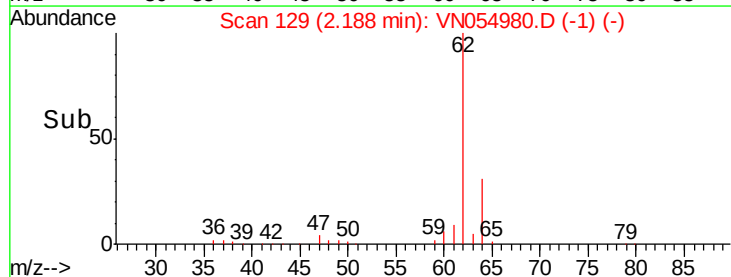
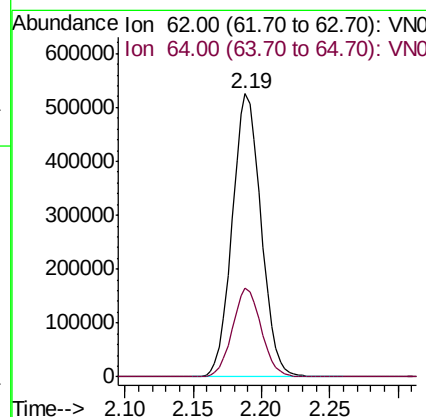
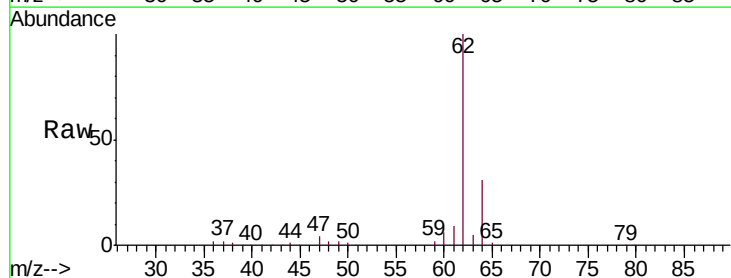
Acq: 11 Apr 2019 16:13

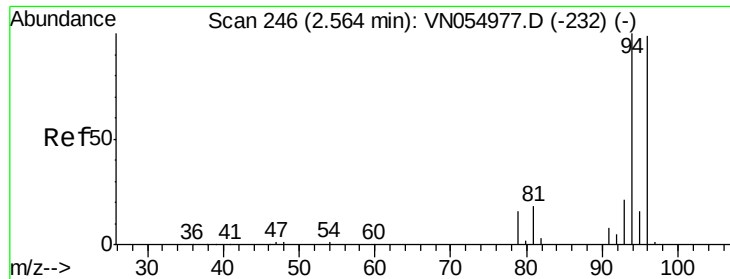
Tgt Ion: 62 Resp: 772485

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4

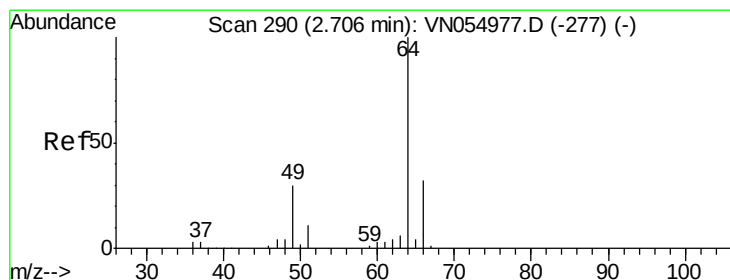
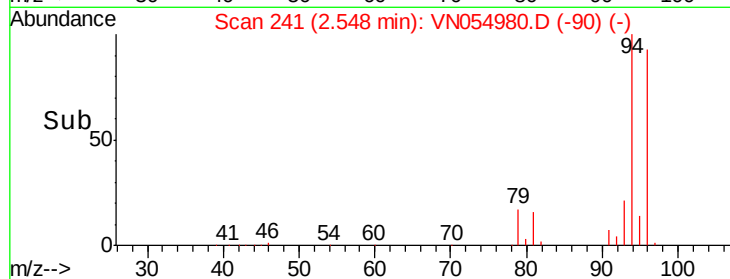
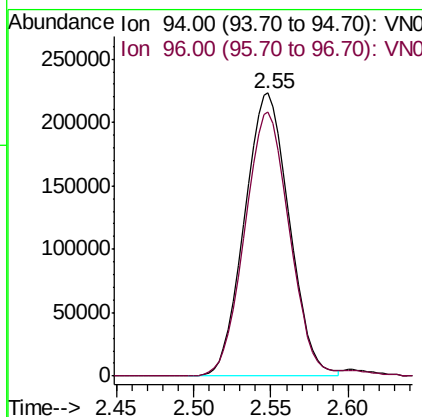
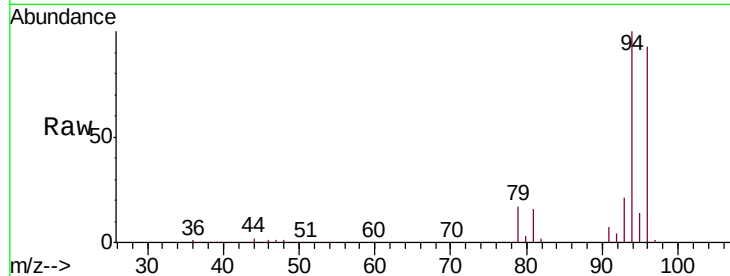




#5
 Bromomethane
 Concen: 141.202 ug/l
 RT: 2.55 min Scan# 241
 Delta R.T. -0.02 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

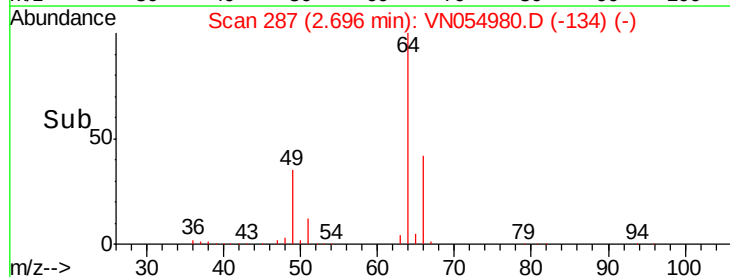
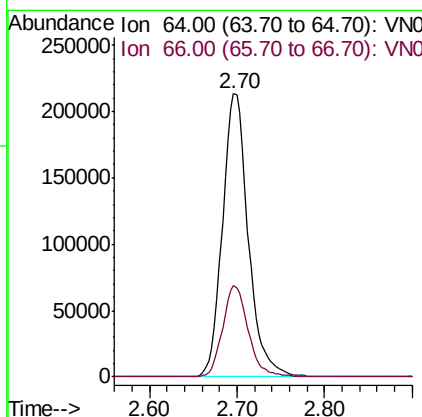
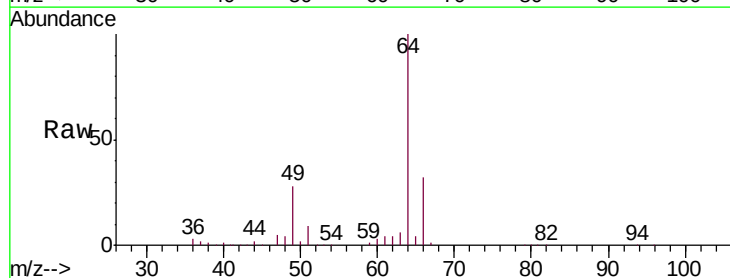
Instrument :
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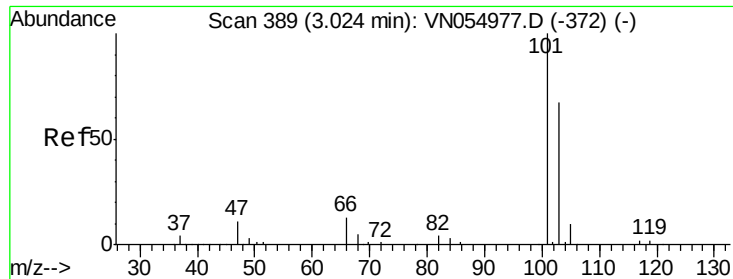
Tgt Ion: 94 Resp: 450352
 Ion Ratio Lower Upper
 94 100
 96 93.5 79.1 118.7



#6
 Chloroethane
 Concen: 143.114 ug/l
 RT: 2.70 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 64 Resp: 436902
 Ion Ratio Lower Upper
 64 100
 66 32.1 25.7 38.5



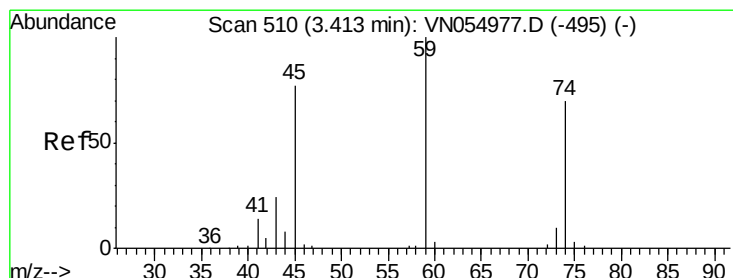
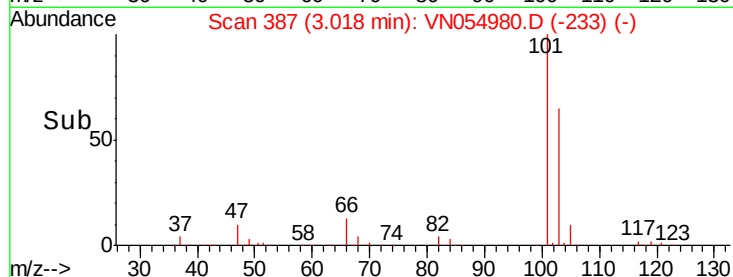
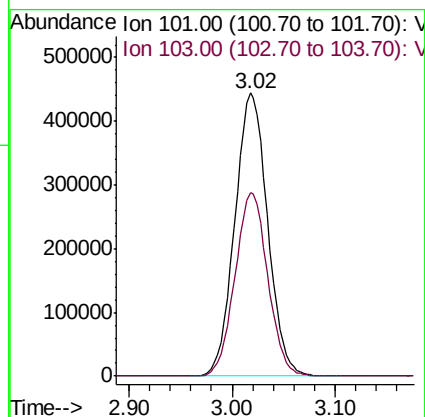
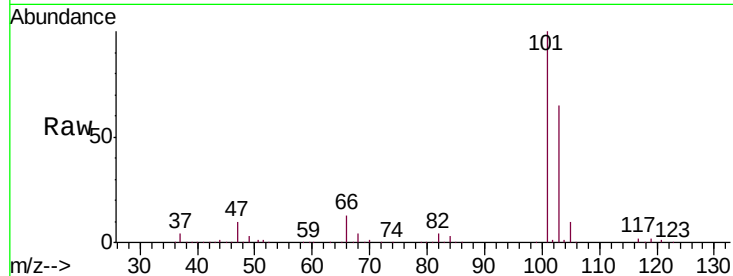


#7

Trichlorofluoromethane
 Concen: 154.749 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
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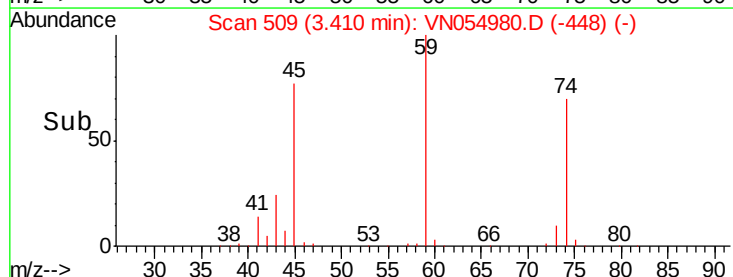
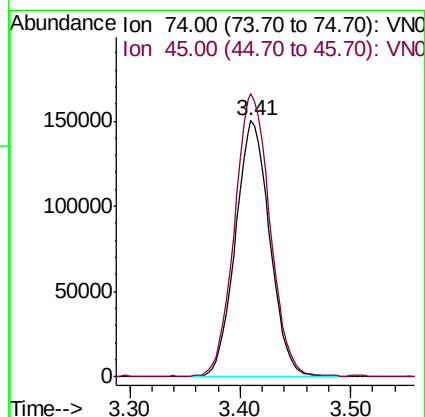
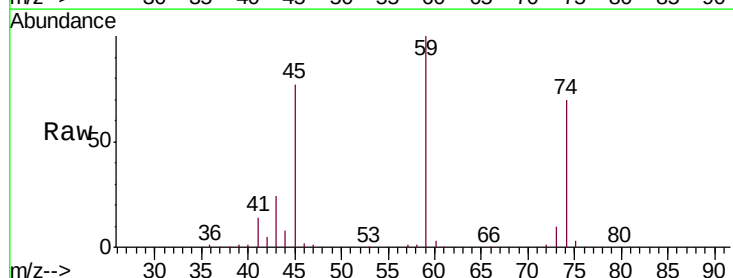
Tgt Ion:101 Resp: 984110
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.4 80.0

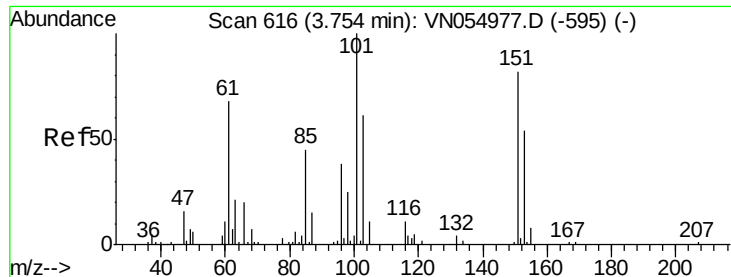


#8

Diethyl Ether
 Concen: 138.305 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 74 Resp: 324141
 Ion Ratio Lower Upper
 74 100
 45 113.1 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 130.057 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

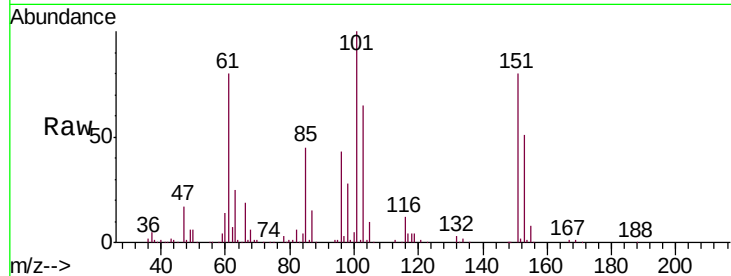
Tgt Ion:101 Resp: 527054

Ion Ratio Lower Upper

101 100

85 45.7 0.0 91.4

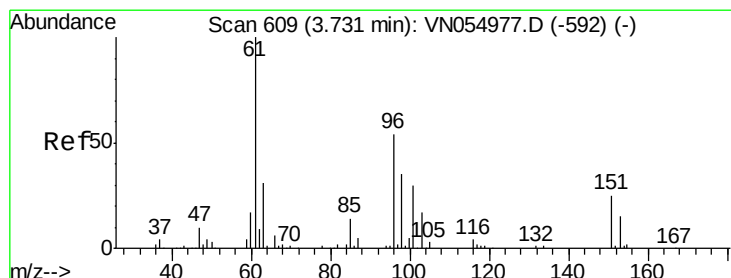
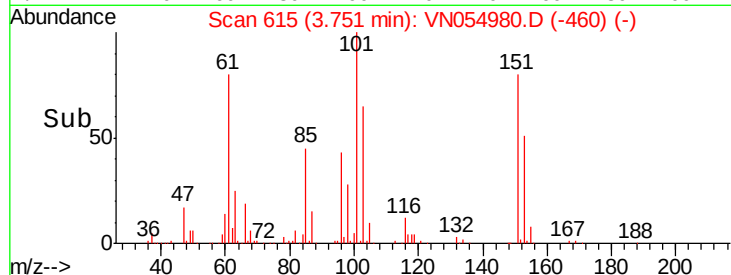
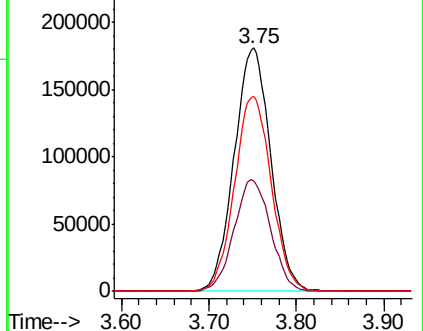
151 80.4 0.0 165.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 128.353 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

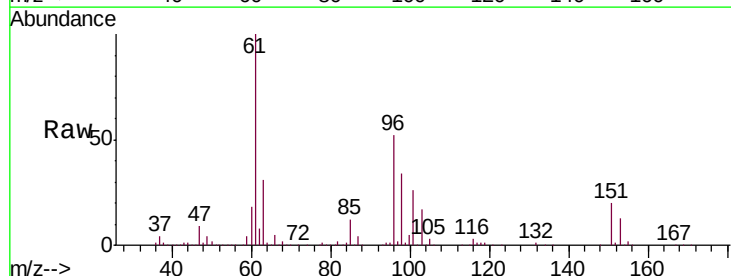
Tgt Ion: 96 Resp: 484822

Ion Ratio Lower Upper

96 100

61 190.8 148.4 222.6

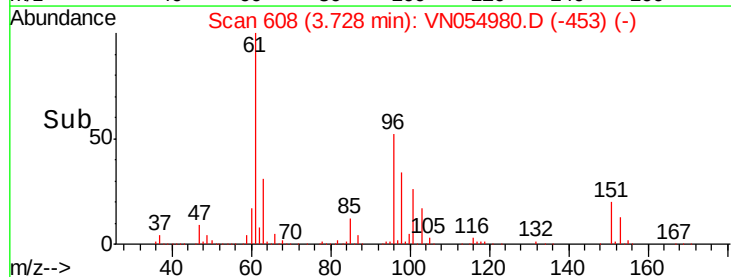
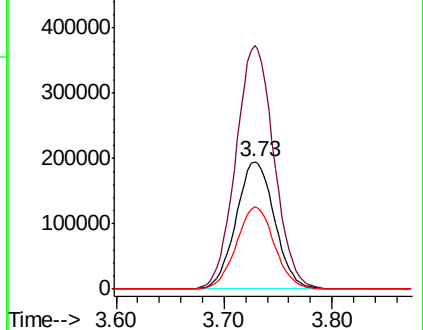
98 64.3 52.2 78.2

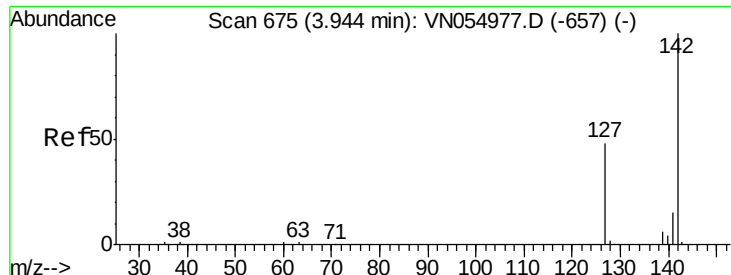


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

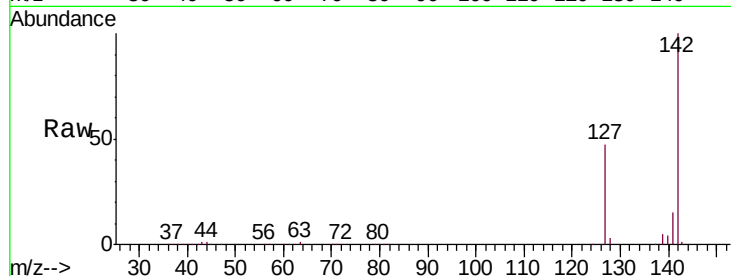




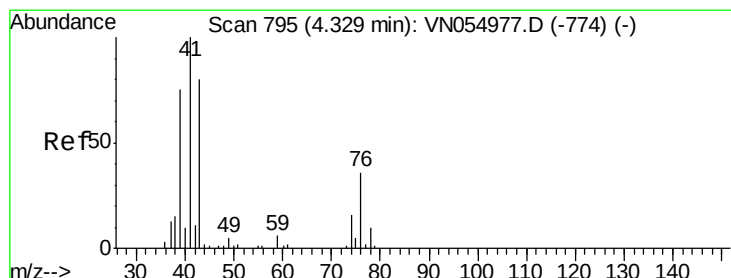
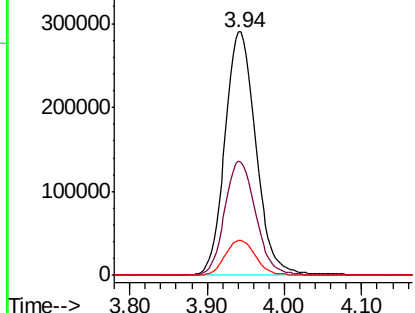
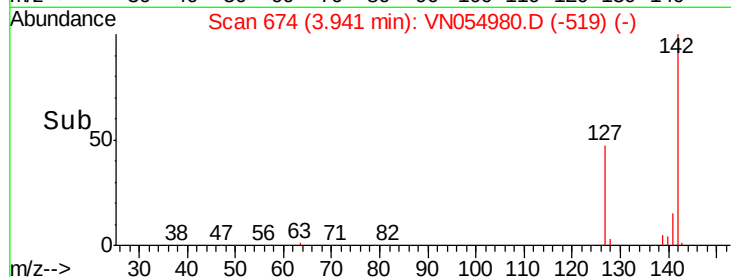
#11
Methyl Iodide
Concen: 145.345 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:142 Resp: 807070
Ion Ratio Lower Upper
142 100
127 47.1 23.8 71.5
141 14.6 7.3 22.0

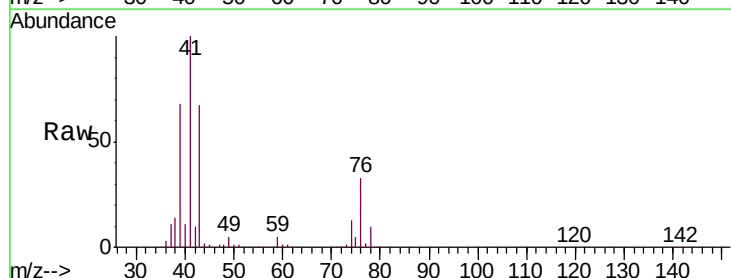


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

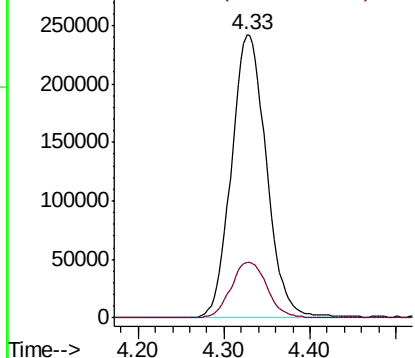
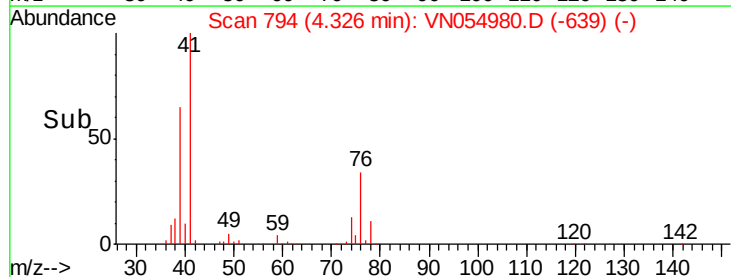


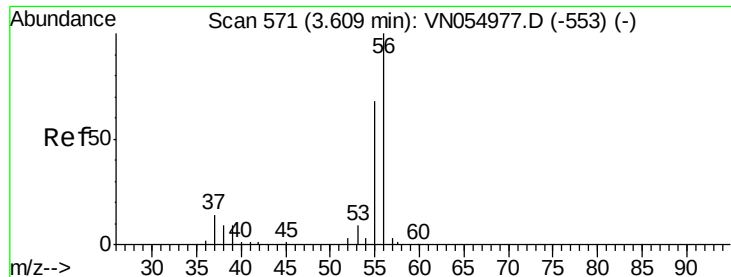
#12
Methyl Acetate
Concen: 208.937 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion: 43 Resp: 678362
Ion Ratio Lower Upper
43 100
74 19.4 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 901.395 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

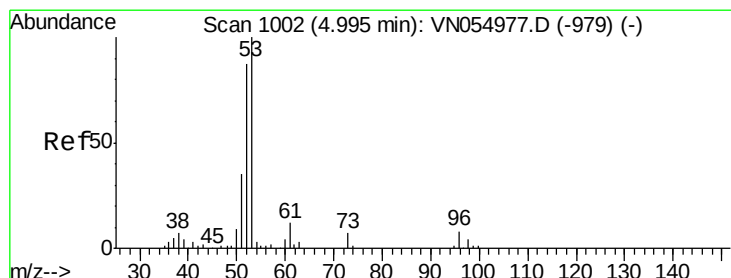
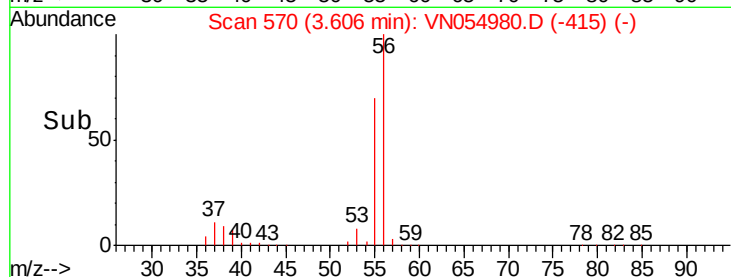
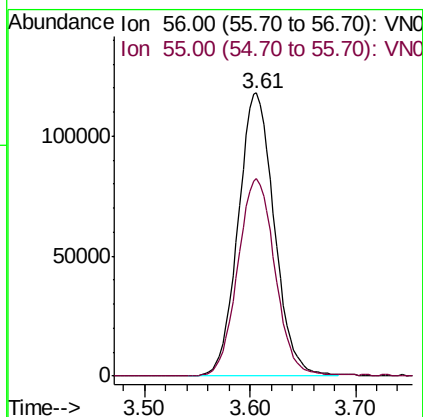
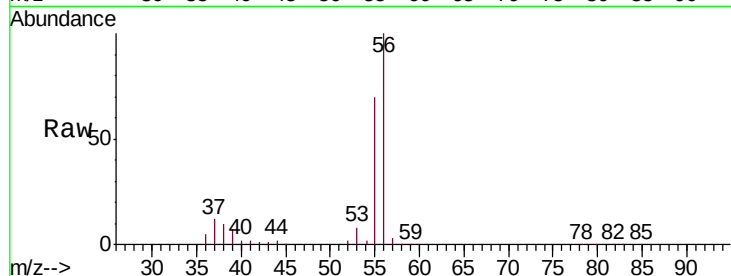
VSTDIC150

Tgt Ion: 56 Resp: 280642

Ion Ratio Lower Upper

56 100

55 72.0 57.0 85.4



#14

Acrylonitrile

Concen: 909.125 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

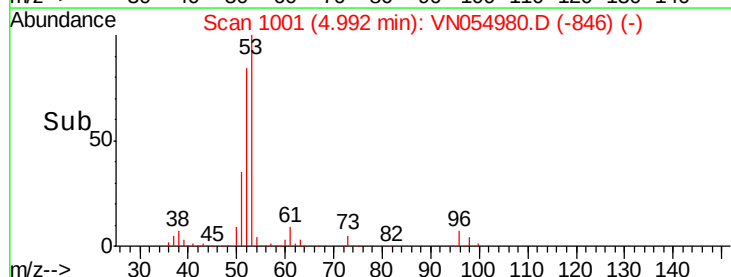
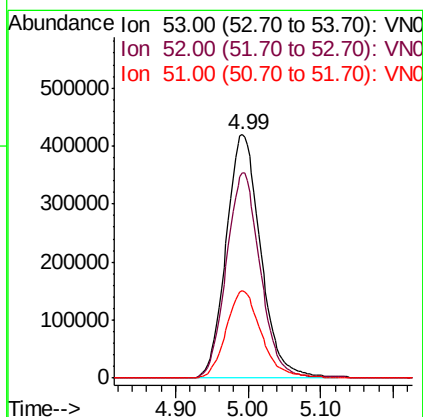
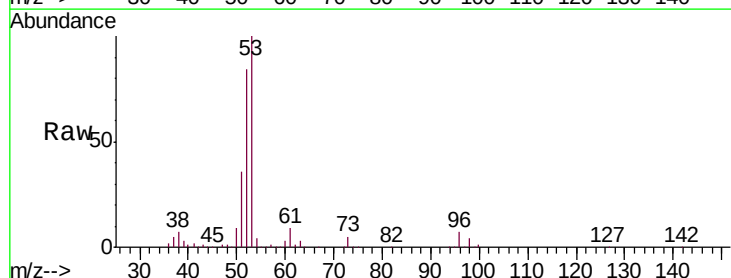
Tgt Ion: 53 Resp: 1388664

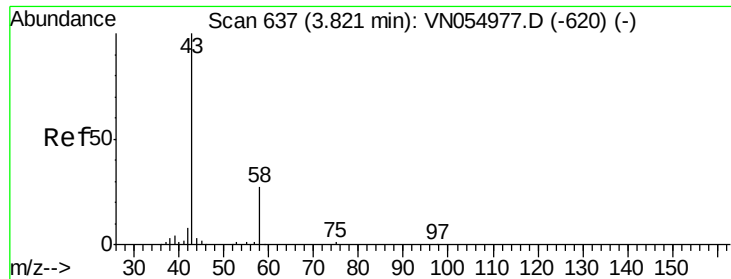
Ion Ratio Lower Upper

53 100

52 82.8 42.3 126.8

51 36.7 18.6 56.0





#15

Acetone

Concen: 650.598 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

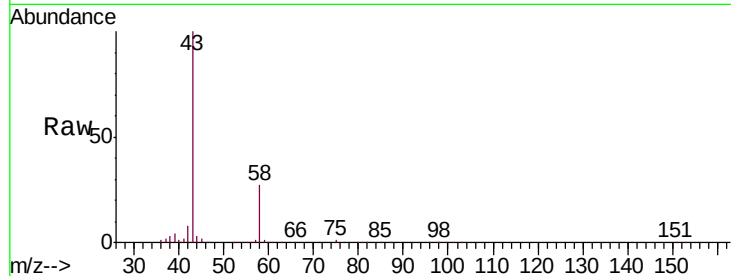
VSTDIC150

Tgt Ion: 58 Resp: 287740

Ion Ratio Lower Upper

58 100

43 372.9 297.2 445.8



Abundance Ion 58.00 (57.70 to 58.70): VN054977.D (-620) (-)

Ion 43.00 (42.70 to 43.70): VN054977.D (-620) (-)

400000

300000

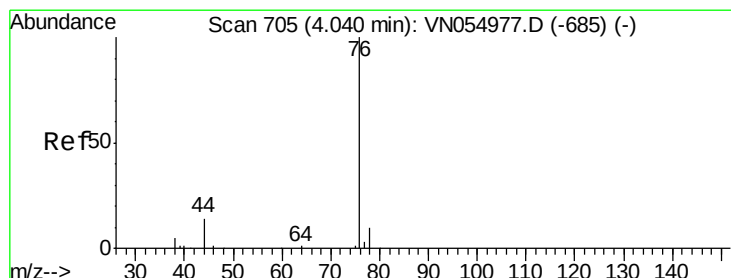
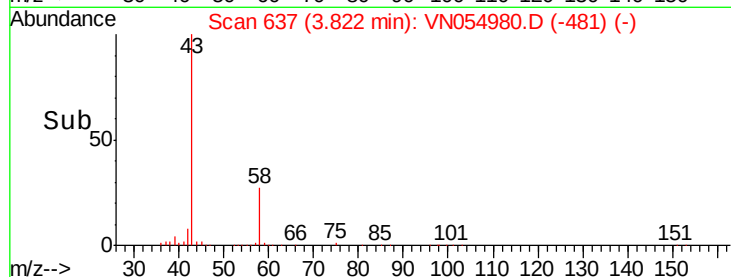
200000

100000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 152.134 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054980.D

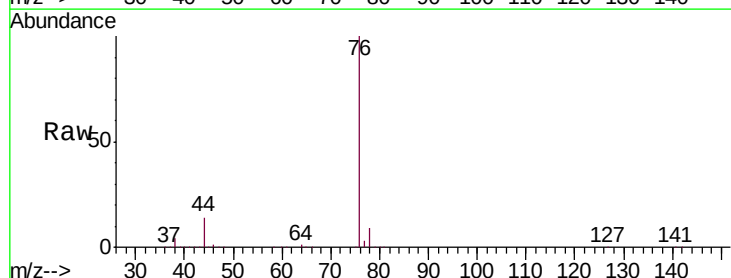
Acq: 11 Apr 2019 16:13

Tgt Ion: 76 Resp: 1854879

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN054977.D (-685) (-)

Ion 78.00 (77.70 to 78.70): VN054977.D (-685) (-)

800000

600000

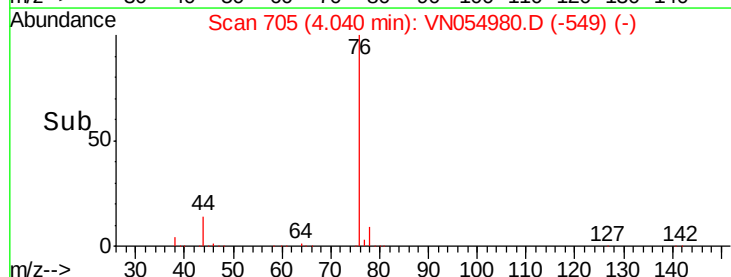
400000

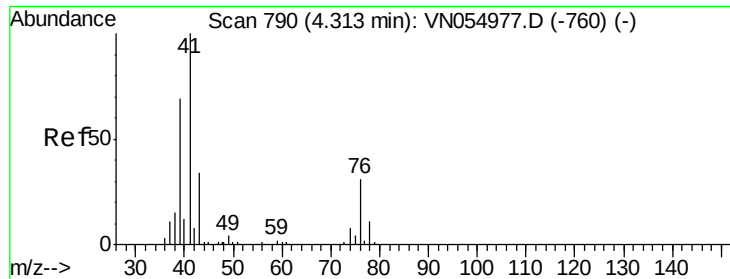
200000

0

3.90 4.00 4.10 4.20

Time-->

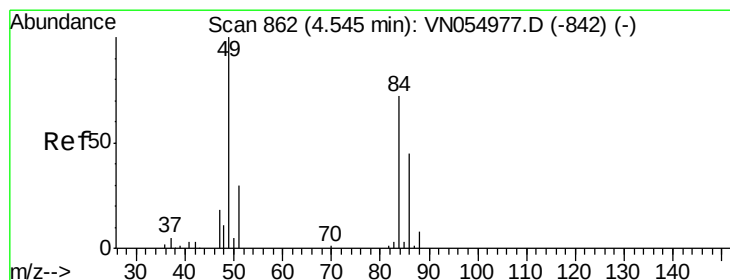
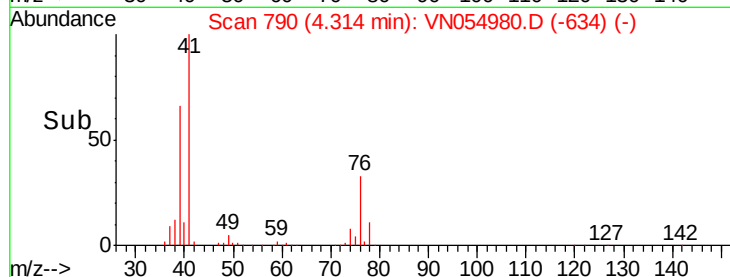
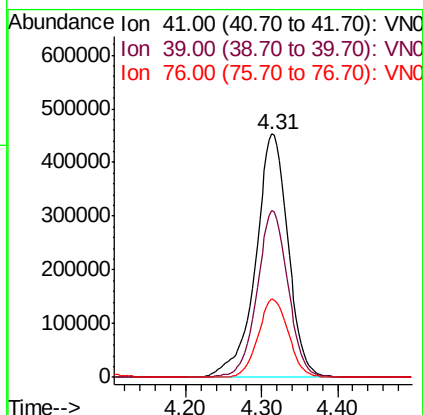
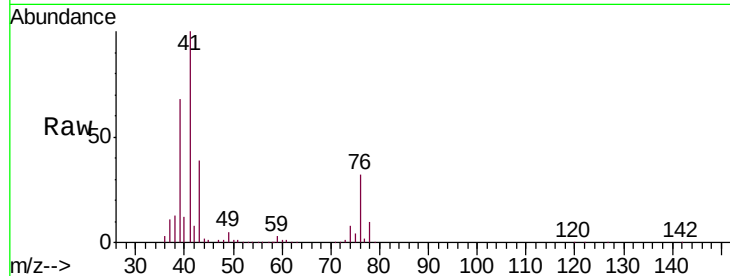




#17
 Allyl chloride
 Concen: 197.187 ug/l
 RT: 4.31 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

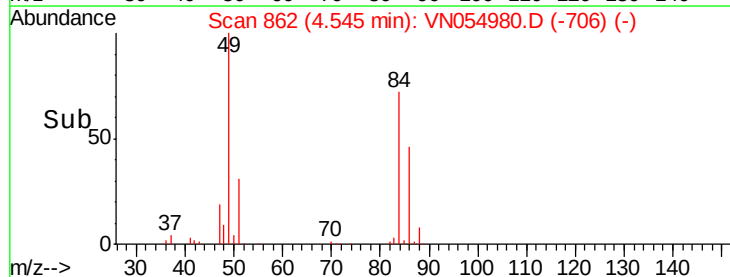
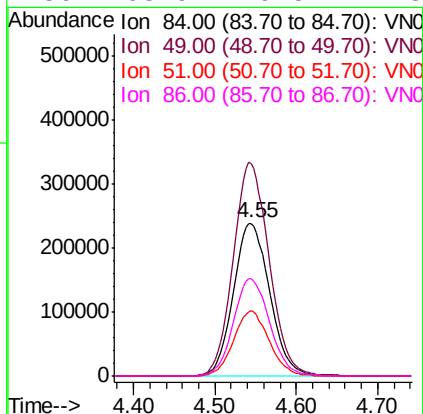
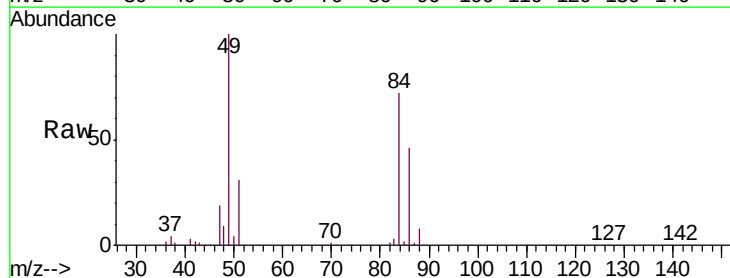
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

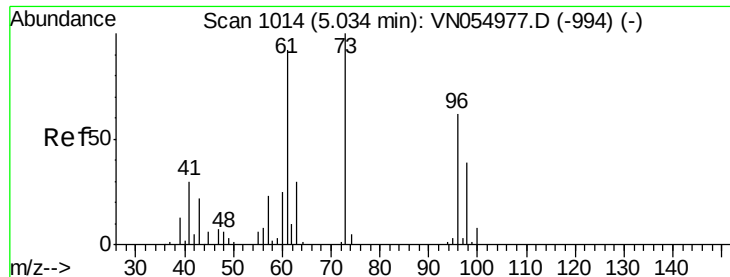
Tgt Ion: 41 Resp: 1334779
 Ion Ratio Lower Upper
 41 100
 39 68.4 34.3 102.9
 76 32.0 15.8 47.3



#18
 Methylene Chloride
 Concen: 166.081 ug/l
 RT: 4.55 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 84 Resp: 736719
 Ion Ratio Lower Upper
 84 100
 49 139.3 111.0 166.4
 51 42.6 33.4 50.2
 86 63.9 49.5 74.3

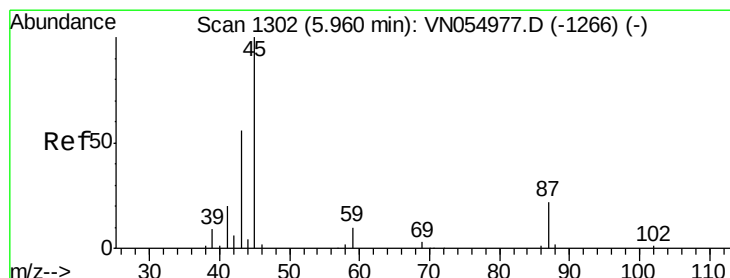
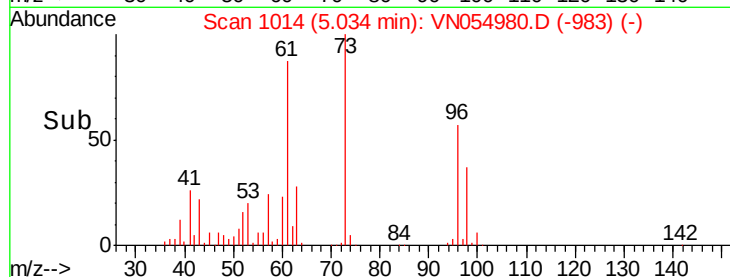
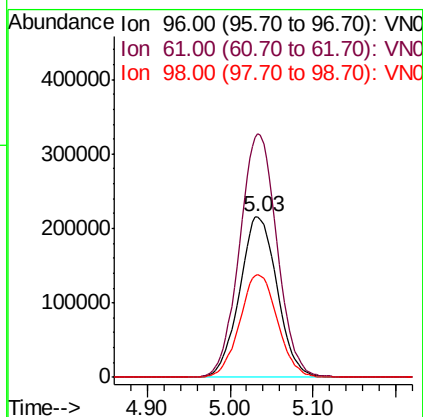
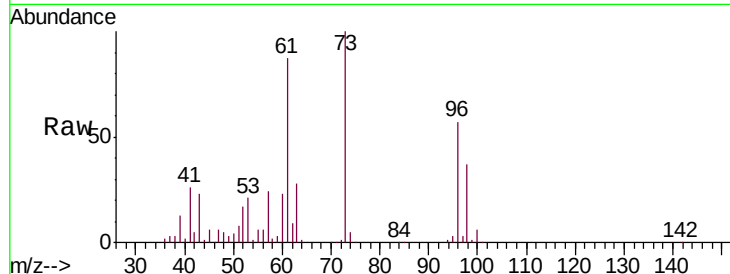




#19
trans-1,2-Dichloroethene
Concen: 164.411 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

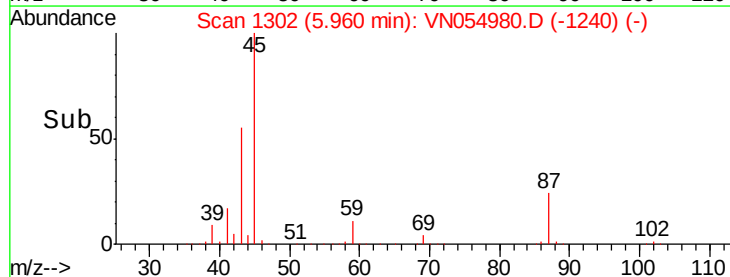
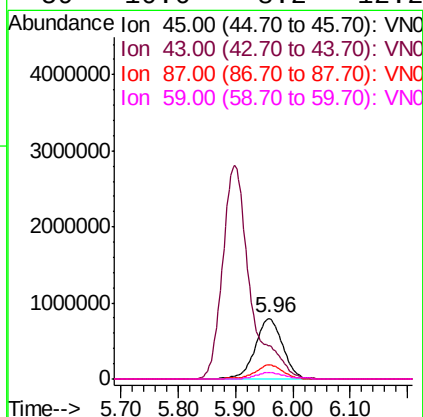
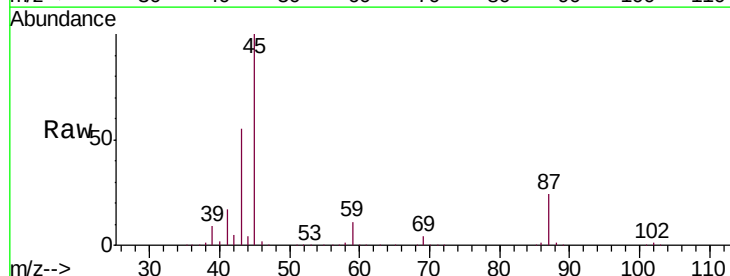
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

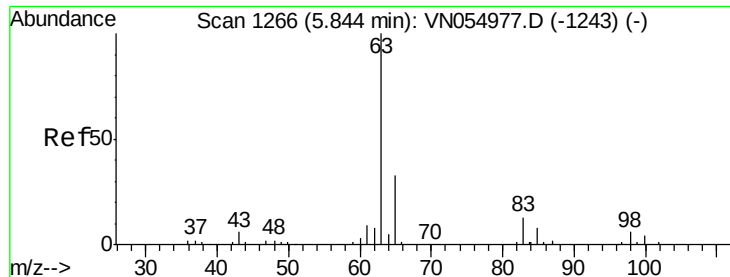
Tgt Ion: 96 Resp: 679473
Ion Ratio Lower Upper
96 100
61 151.7 117.2 175.8
98 63.9 49.4 74.2



#20
Diisopropyl ether
Concen: 194.075 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion: 45 Resp: 2639126
Ion Ratio Lower Upper
45 100
43 54.6 45.8 68.8
87 23.6 18.2 27.4
59 10.6 8.2 12.2

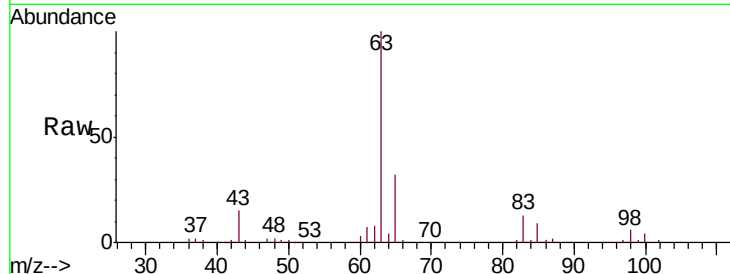




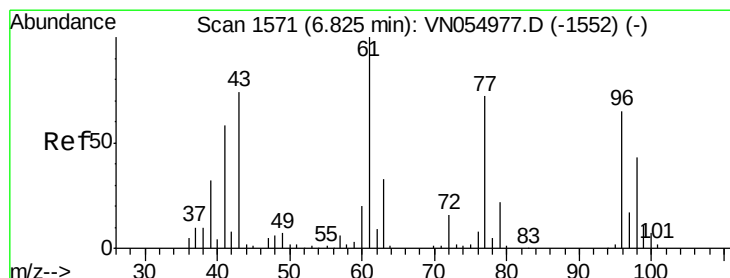
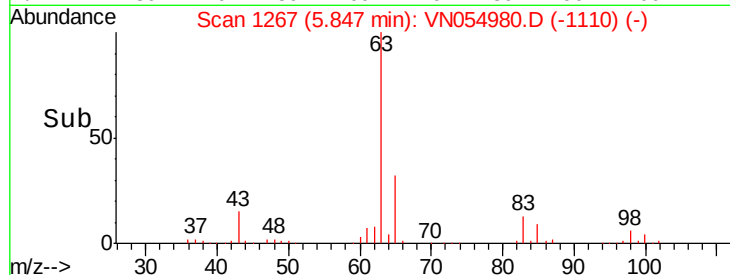
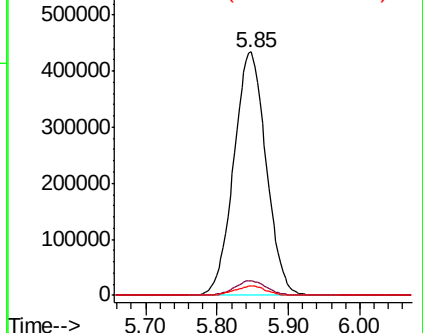
#21
 1,1-Dichloroethane
 Concen: 170.806 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 1369943
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.7
 100 3.7 2.0 5.8

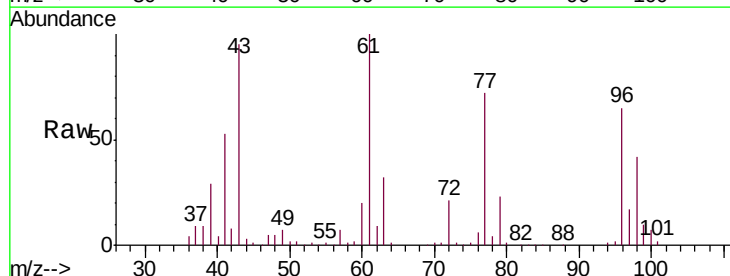


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

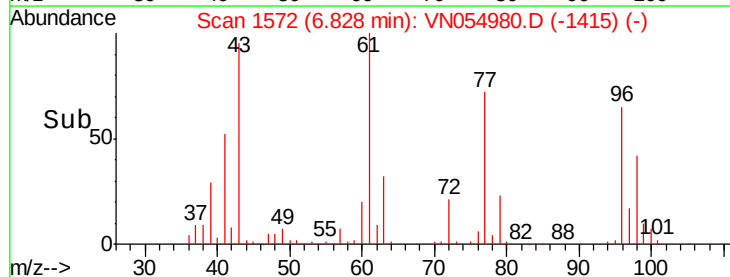
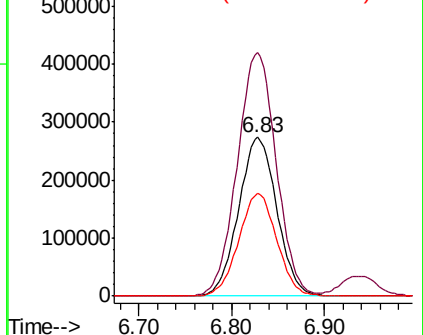


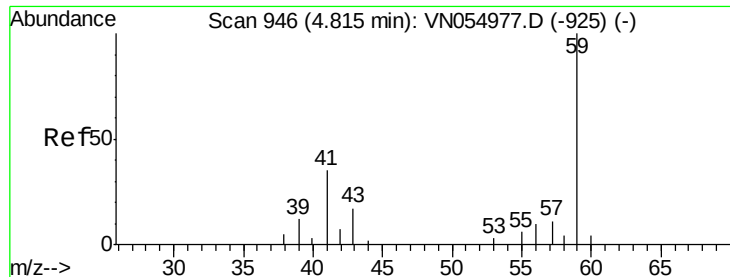
#22
 cis-1,2-Dichloroethene
 Concen: 169.702 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 96 Resp: 783308
 Ion Ratio Lower Upper
 96 100
 61 156.2 125.0 187.6
 98 64.5 52.2 78.2



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



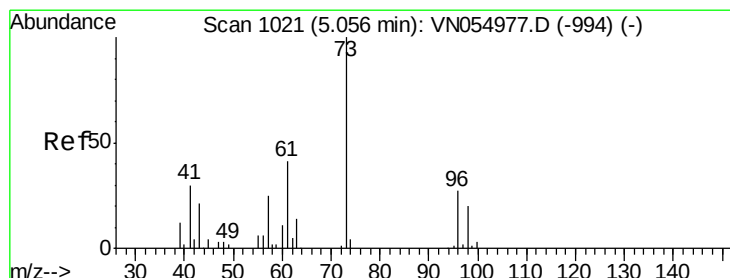
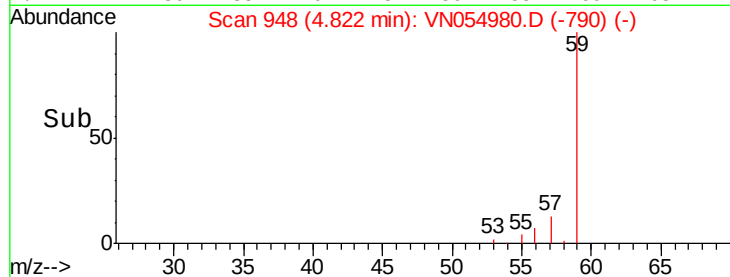
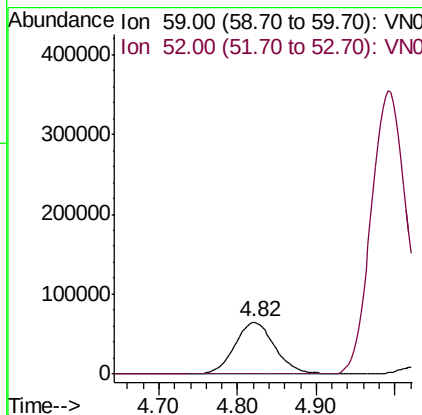
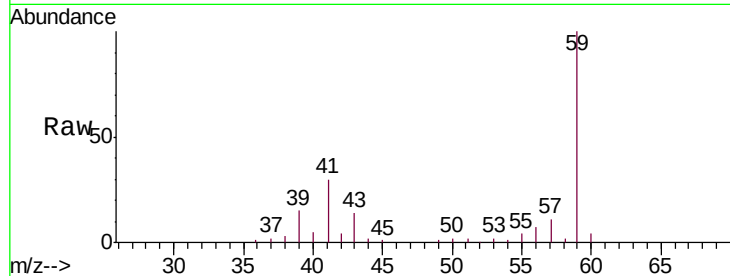


#23

tert-Butyl Alcohol
 Concen: 866.901 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

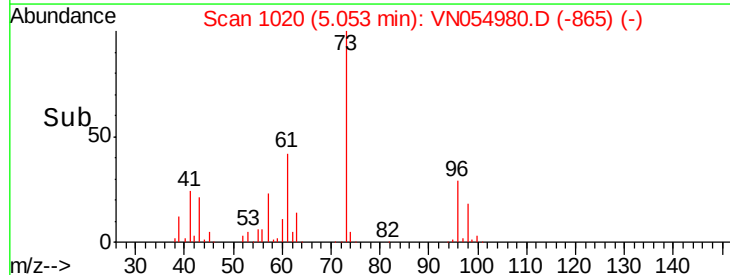
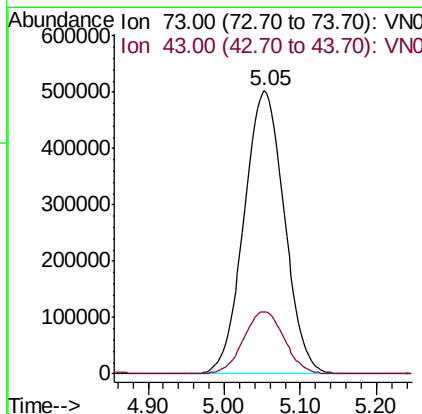
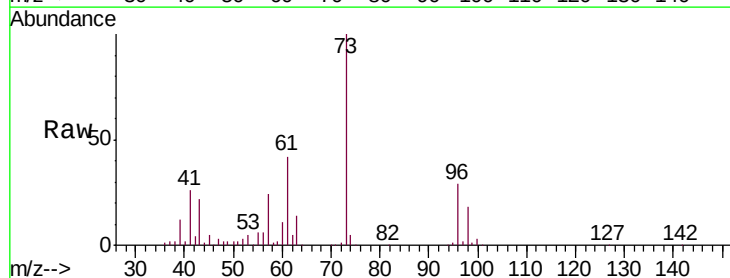
Tgt Ion: 59 Resp: 233654
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.0 0.0#

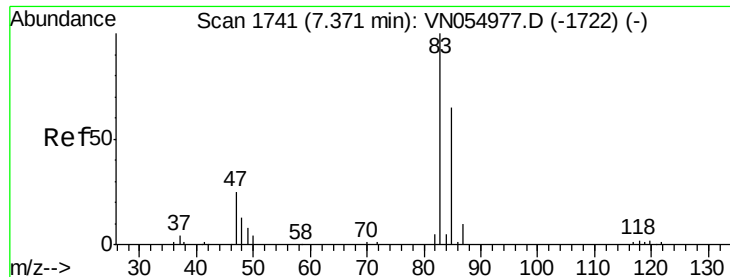


#24

Methyl tert-Butyl Ether
 Concen: 181.142 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 73 Resp: 1853584
 Ion Ratio Lower Upper
 73 100
 43 22.1 8.0 12.0#

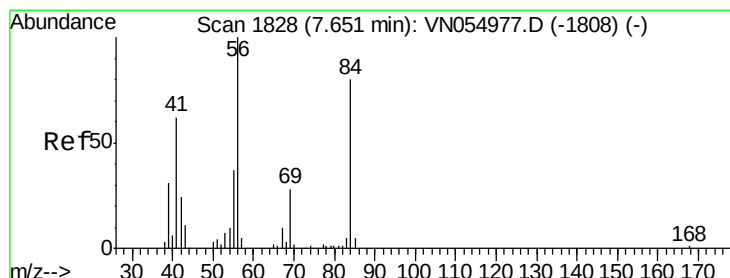
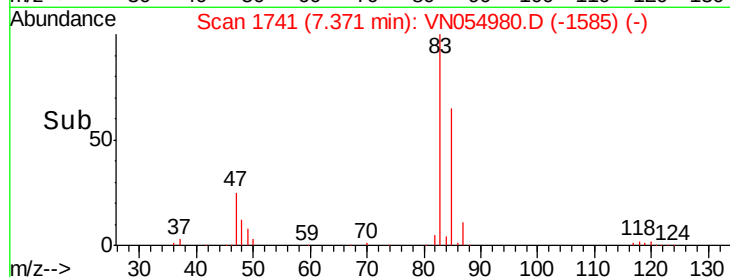
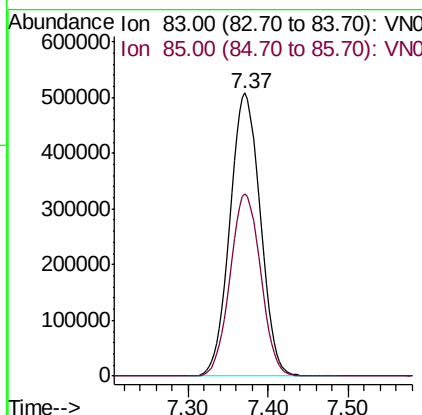
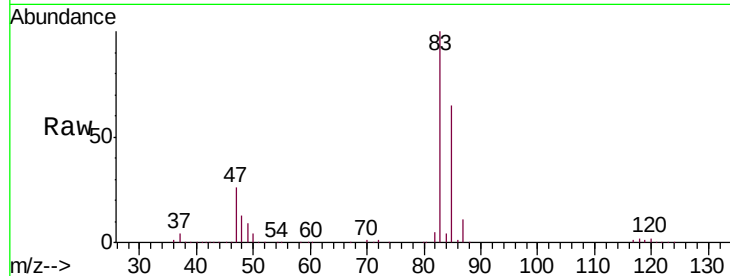




#25
Chloroform
Concen: 169.224 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

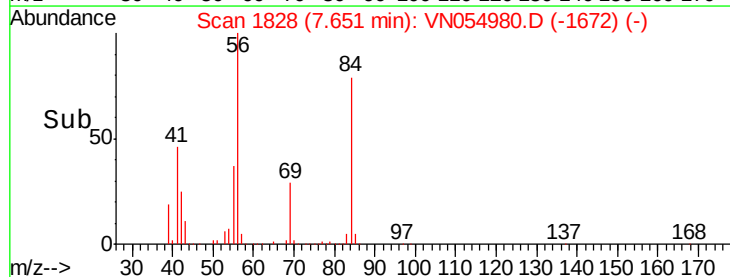
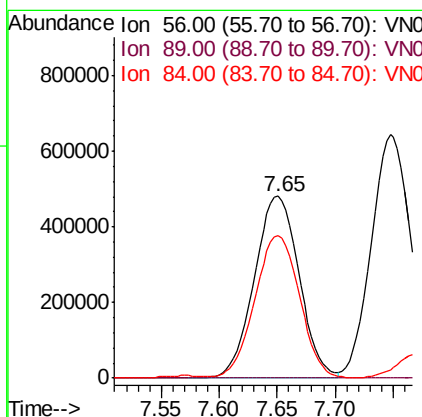
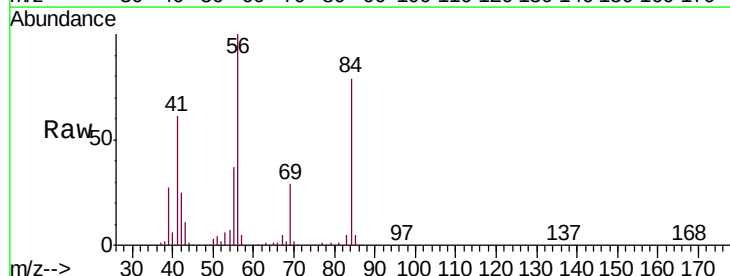
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

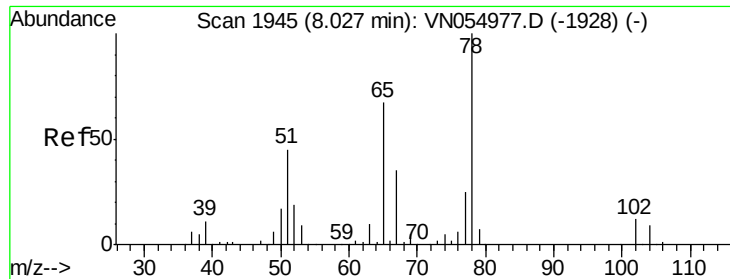
Tgt Ion: 83 Resp: 1308162
Ion Ratio Lower Upper
83 100
85 64.5 51.8 77.8



#26
Cyclohexane
Concen: 178.146 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion: 56 Resp: 1293231
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 78.5 63.5 95.3

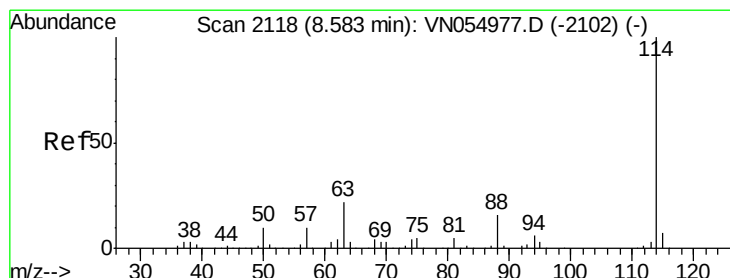
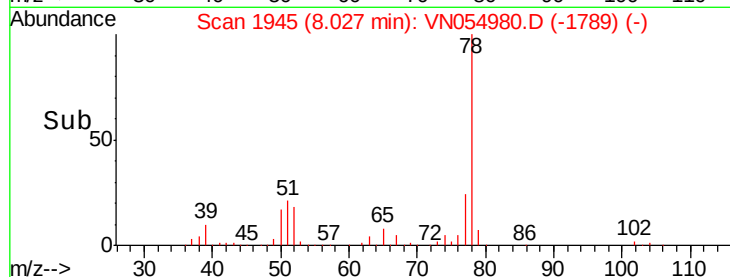
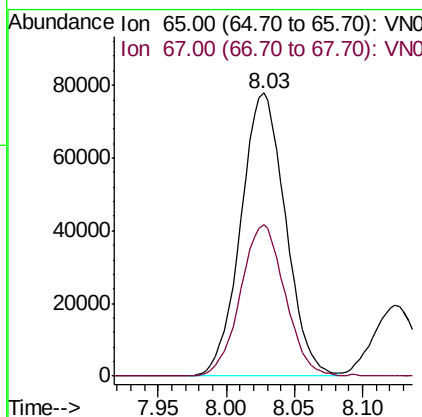
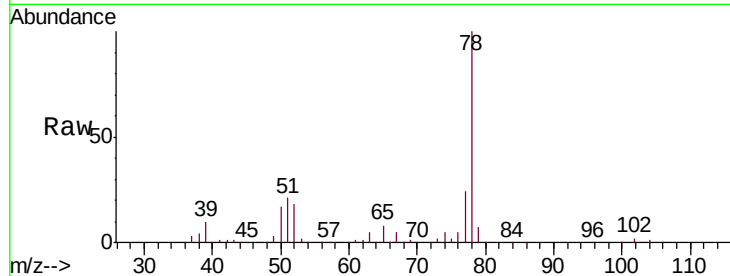




#27
 1,2-Dichloroethane-d4
 Concen: 178.146 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

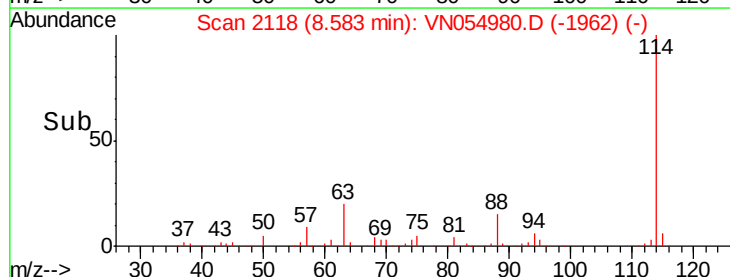
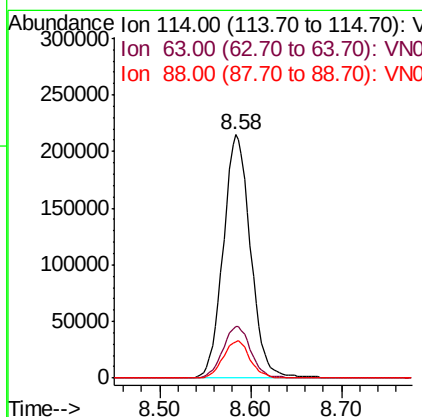
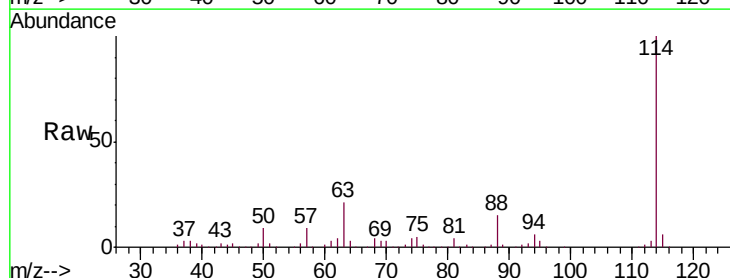
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

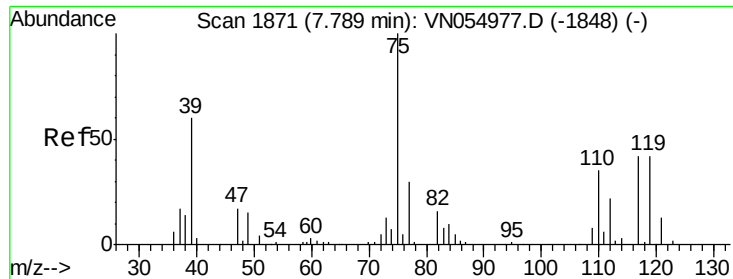
Tgt Ion: 65 Resp: 177524
 Ion Ratio Lower Upper
 65 100
 67 53.1 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 114 Resp: 448588
 Ion Ratio Lower Upper
 114 100
 63 21.7 17.0 25.4
 88 15.1 12.3 18.5

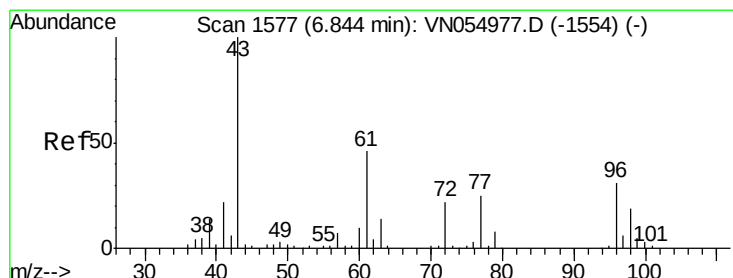
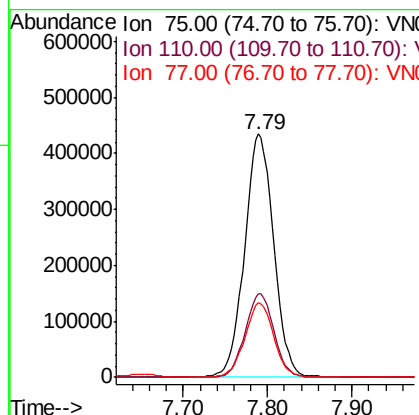
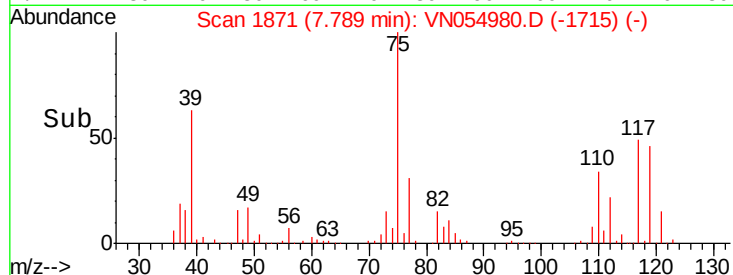
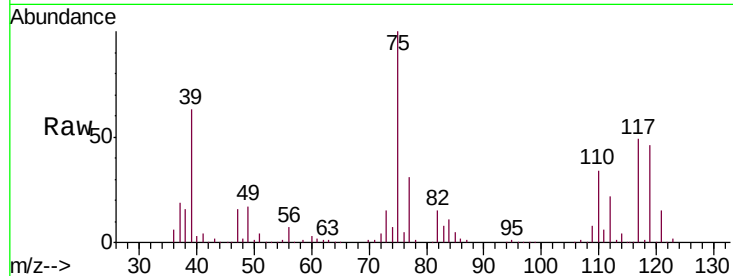




#29
 1,1-Dichloropropene
 Concen: 169.442 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

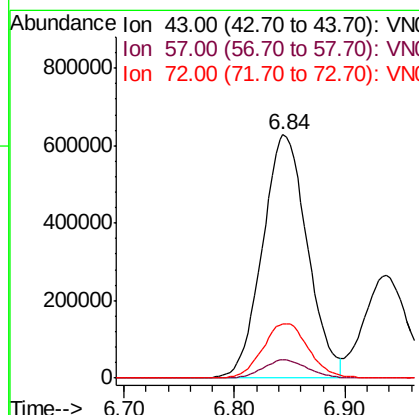
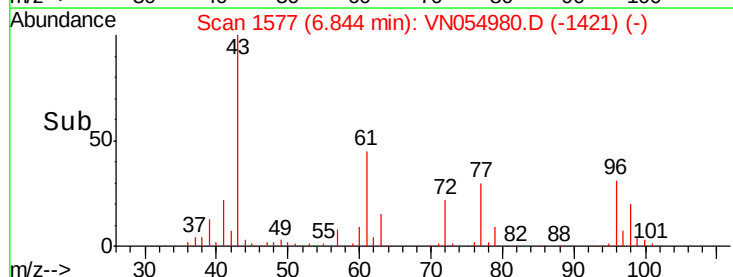
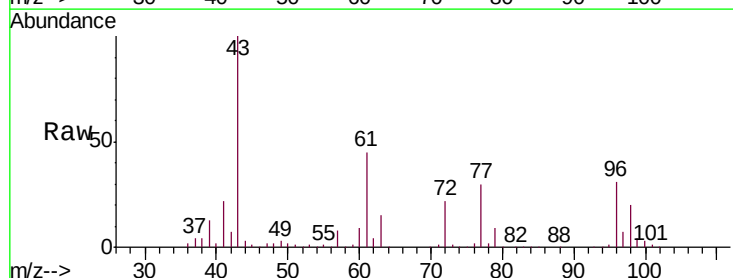
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

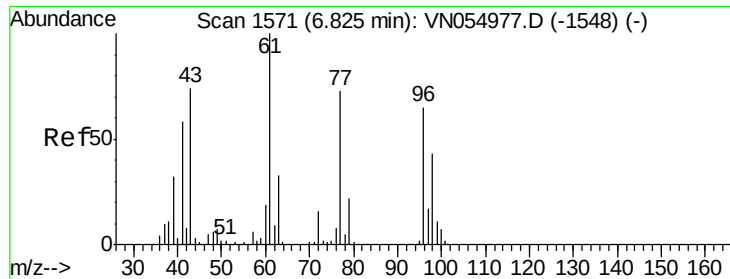
Tgt Ion: 75 Resp: 1043282
 Ion Ratio Lower Upper
 75 100
 110 34.0 0.0 68.4
 77 30.6 0.0 58.6



#30
 2-Butanone
 Concen: 909.958 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 43 Resp: 1765762
 Ion Ratio Lower Upper
 43 100
 57 7.6 6.0 9.0
 72 23.1 18.6 27.8





#31

2,2-Dichloropropane

Concen: 161.979 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

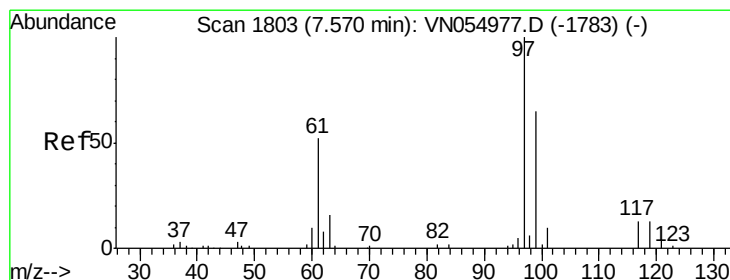
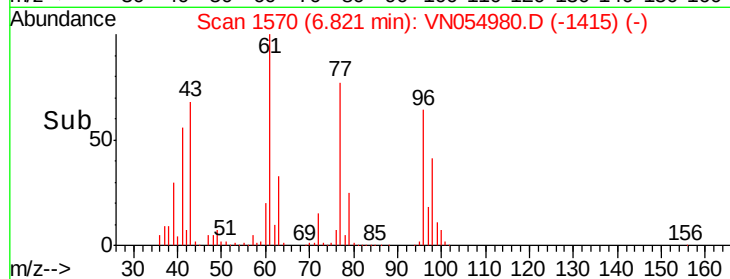
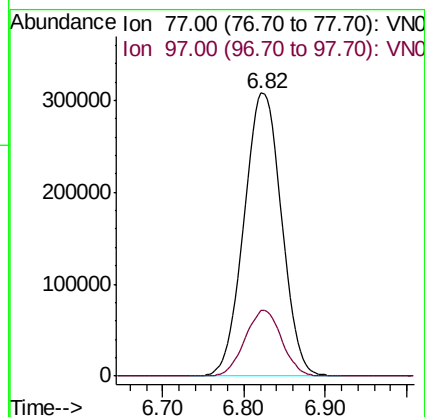
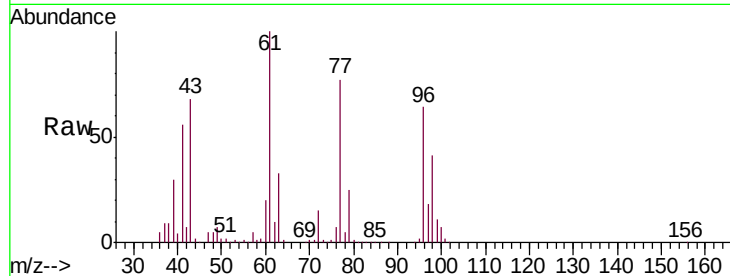
VSTDIC150

Tgt Ion: 77 Resp: 979350

Ion Ratio Lower Upper

77 100

97 22.8 0.0 0.0#



#32

1,1,1-Trichloroethane

Concen: 166.770 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

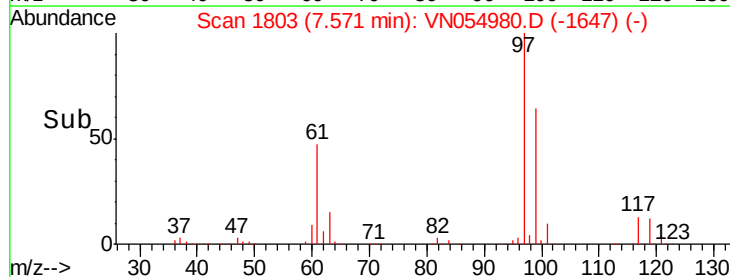
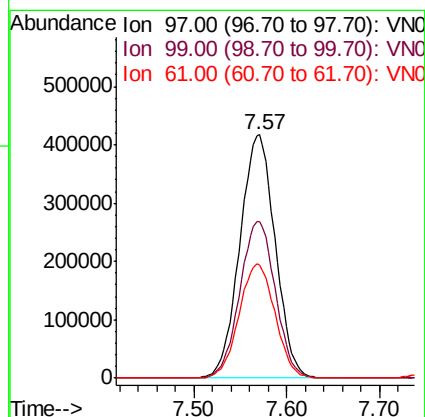
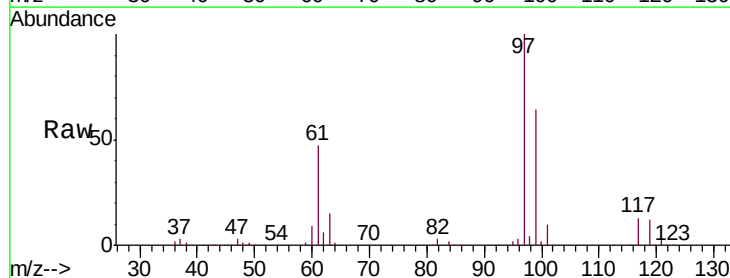
Tgt Ion: 97 Resp: 1104223

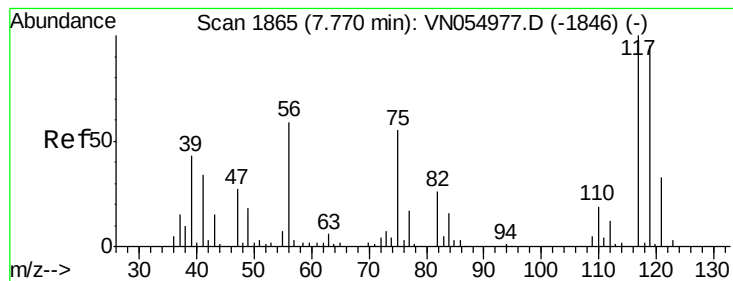
Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

61 47.8 40.6 60.8





#33

Carbon Tetrachloride

Concen: 163.681 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

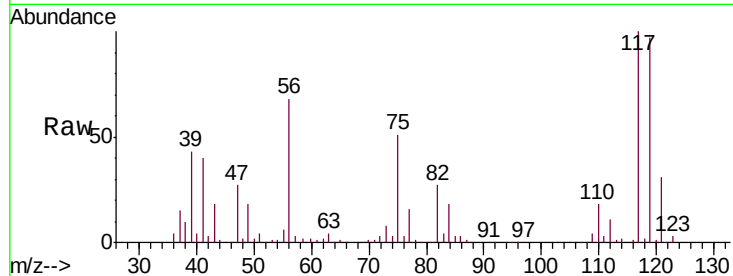
Tgt Ion:117 Resp: 957423

Ion Ratio Lower Upper

117 100

119 96.8 76.1 114.1

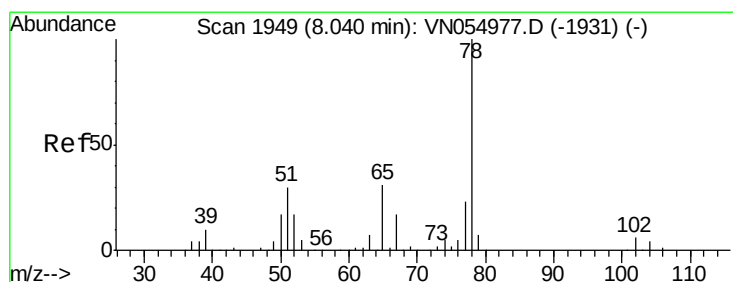
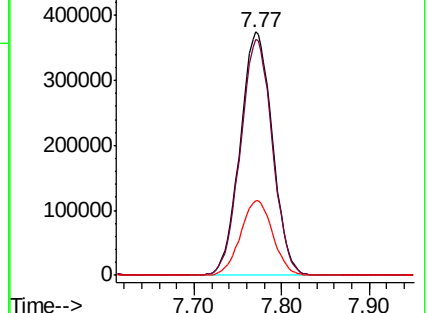
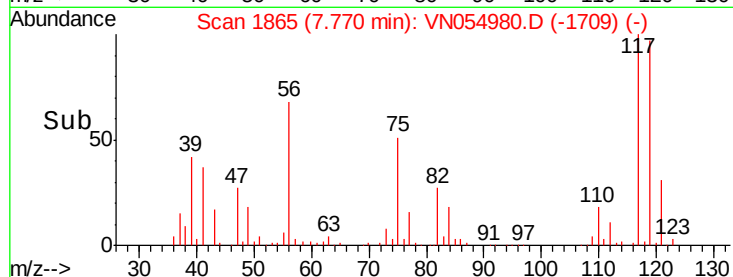
121 30.6 26.2 39.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 166.634 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

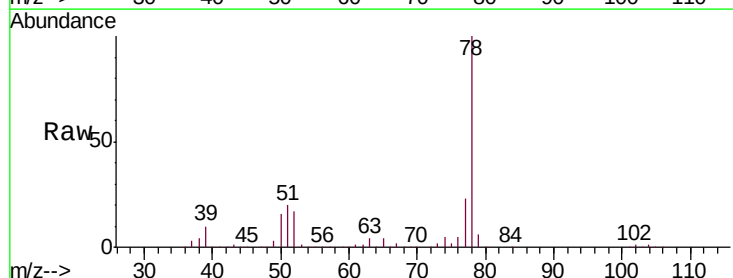
Tgt Ion: 78 Resp: 3048518

Ion Ratio Lower Upper

78 100

77 23.4 18.2 27.4

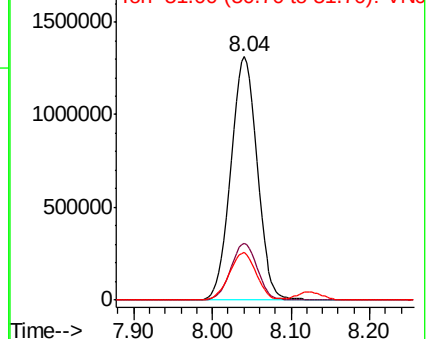
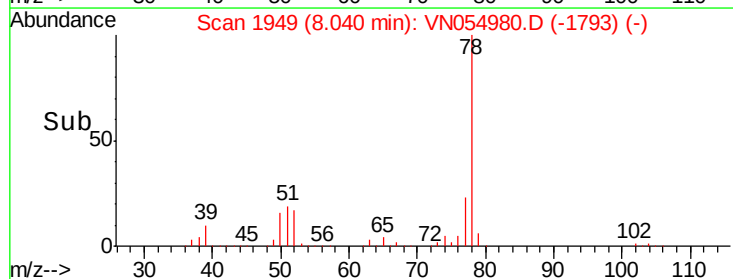
51 19.5 23.7 35.5#

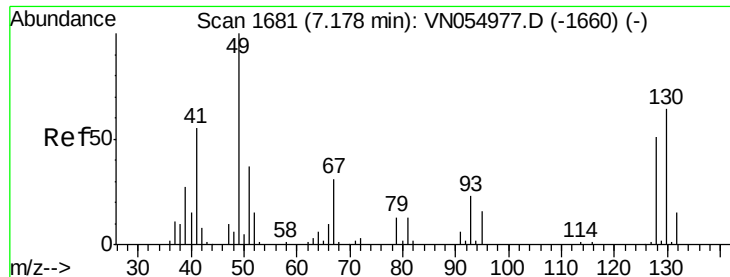


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

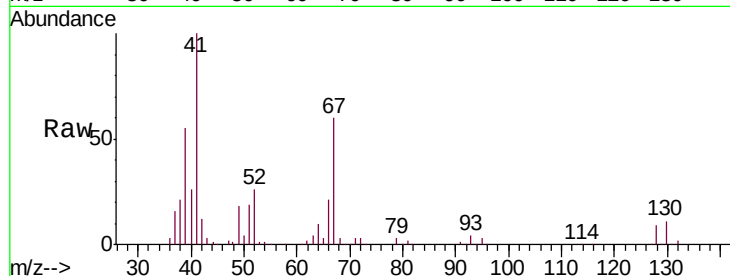




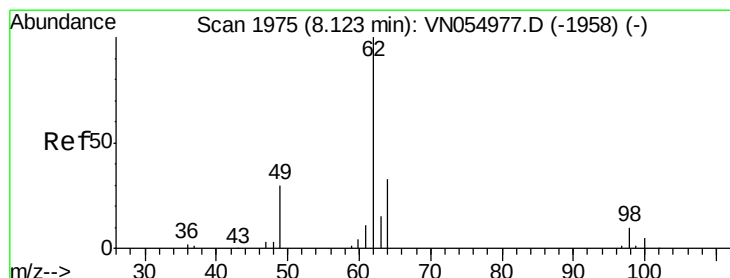
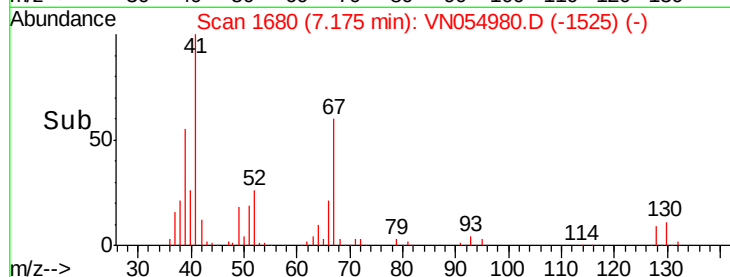
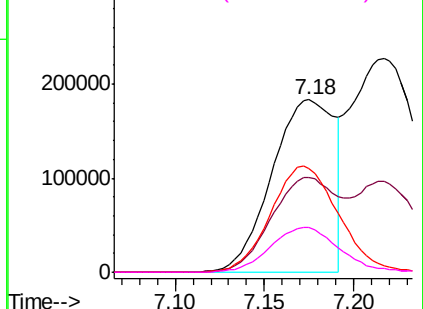
#35
Methacrylonitrile
Concen: 201.811 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion: 41 Resp: 446816
Ion Ratio Lower Upper
41 100
39 55.1 24.2 72.6
67 60.5 28.1 84.2
52 25.6 13.3 39.8

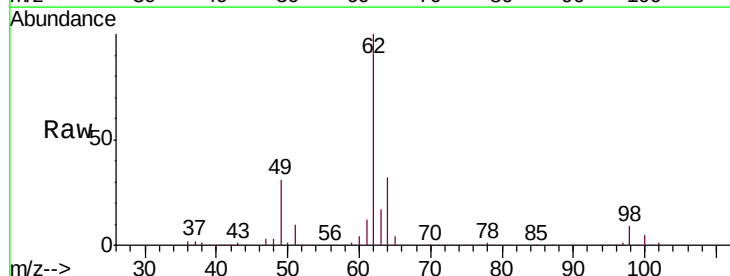


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

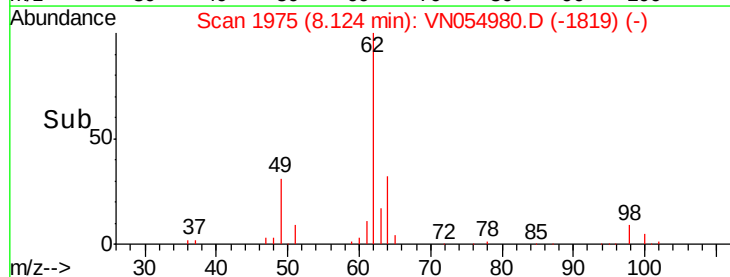
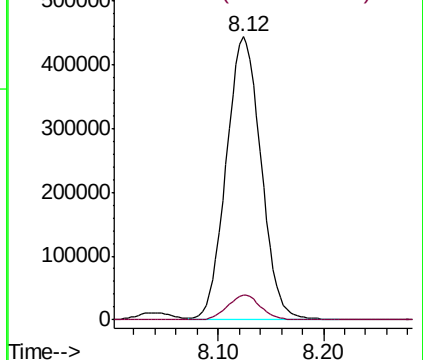


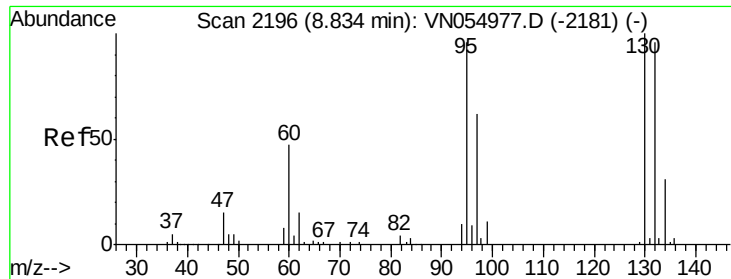
#36
1,2-Dichloroethane
Concen: 170.459 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion: 62 Resp: 1012713
Ion Ratio Lower Upper
62 100
98 8.4 6.9 10.3



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

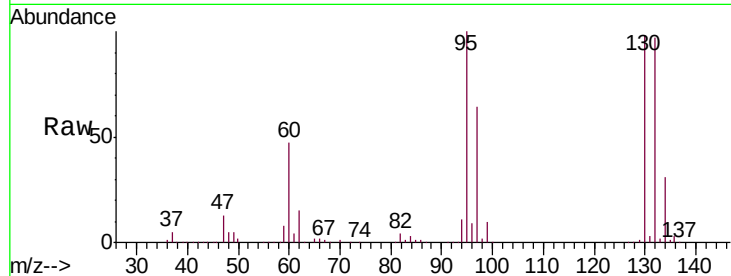




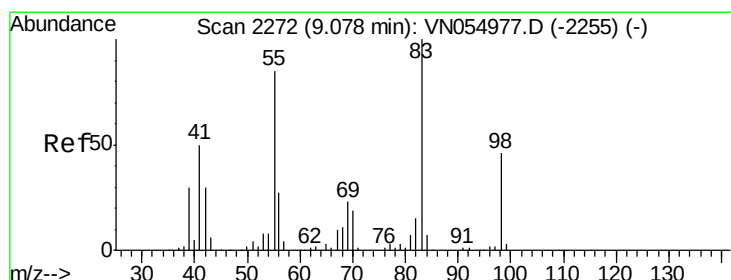
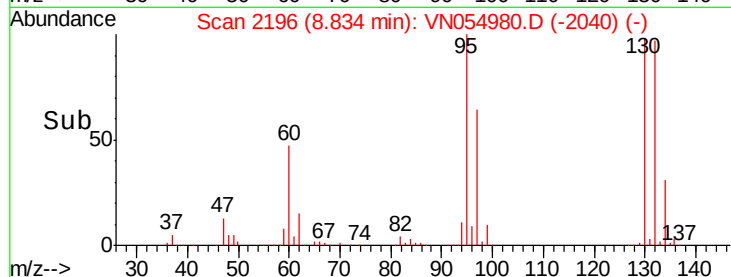
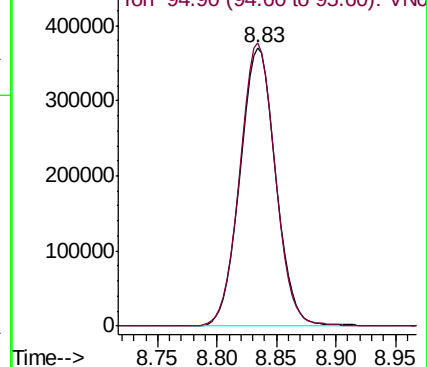
#37
 Trichloroethene
 Concen: 160.444 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:130 Resp: 768737
 Ion Ratio Lower Upper
 130 100
 95 101.6 76.6 115.0

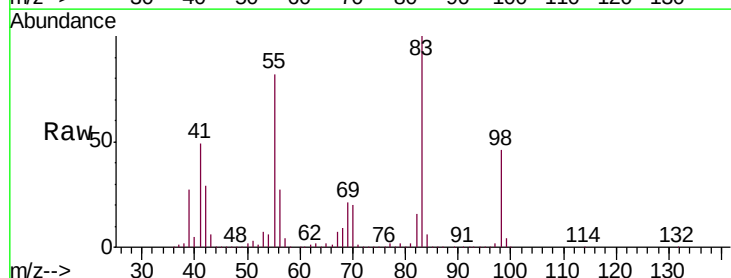


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

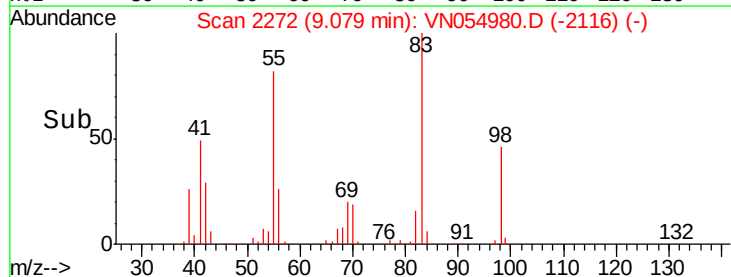
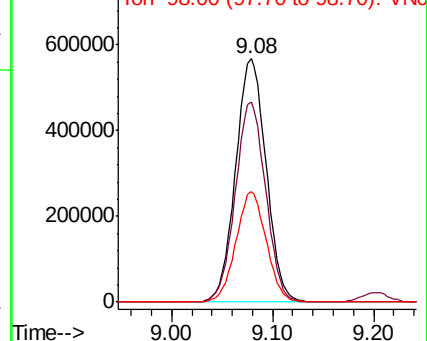


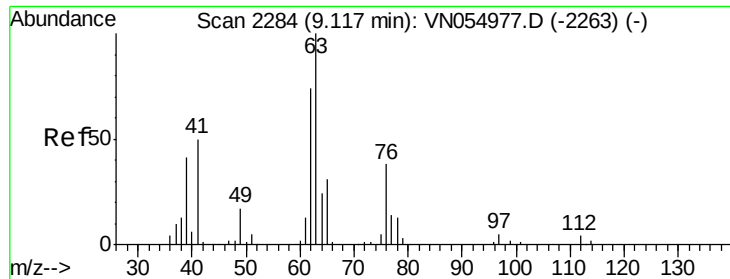
#38
 Methylcyclohexane
 Concen: 164.429 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 83 Resp: 1193432
 Ion Ratio Lower Upper
 83 100
 55 81.7 41.9 125.6
 98 45.2 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 167.136 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

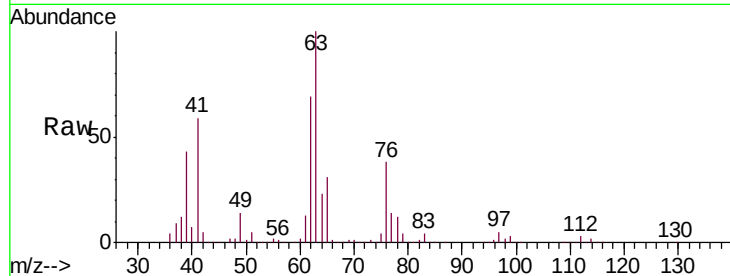
VSTDIC150

Tgt Ion: 63 Resp: 840981

Ion Ratio Lower Upper

63 100

65 30.6 24.8 37.2



Abundance Ion 63.00 (62.70 to 63.70): VN054977.D (-2263) (-)

Ion 65.00 (64.70 to 65.70): VN054977.D (-2263) (-)

9.12

400000

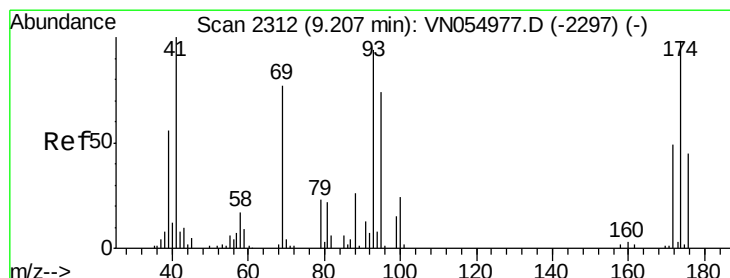
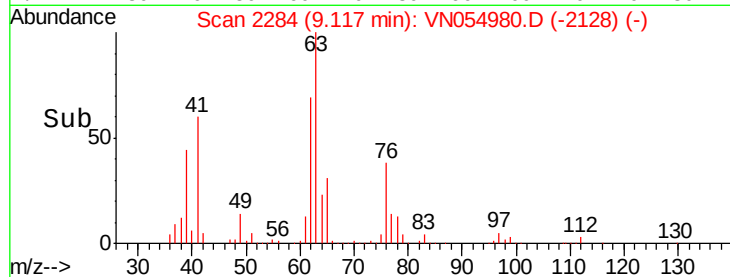
300000

200000

100000

0

Time-->



#40

Dibromomethane

Concen: 162.064 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

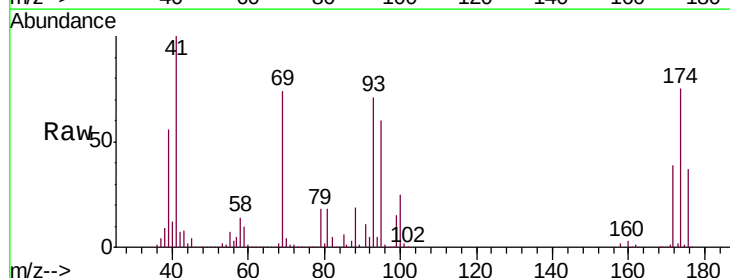
Tgt Ion: 93 Resp: 466093

Ion Ratio Lower Upper

93 100

95 83.4 0.0 160.8

174 105.4 0.0 206.4



Abundance Ion 93.00 (92.70 to 93.70): VN054977.D (-2297) (-)

Ion 95.00 (94.70 to 95.70): VN054977.D (-2297) (-)

Ion 174.00 (173.70 to 174.70): VN054977.D (-2297) (-)

9.21

300000

250000

200000

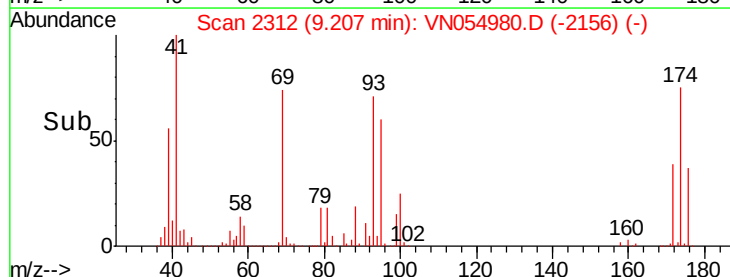
150000

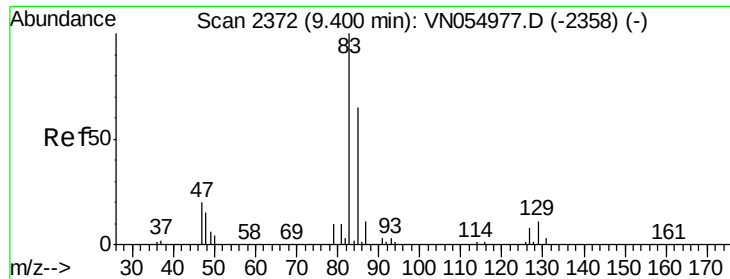
100000

50000

0

Time-->





#41

Bromodichloromethane

Concen: 168.024 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

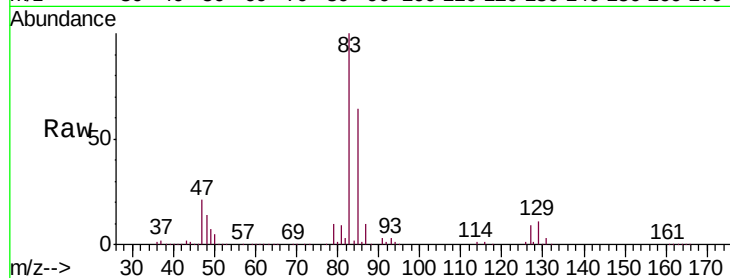
Tgt Ion: 83 Resp: 1020211

Ion Ratio Lower Upper

83 100

85 63.9 52.0 78.0

127 8.6 7.2 10.8

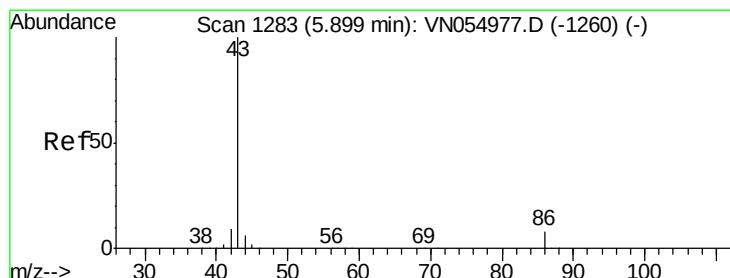
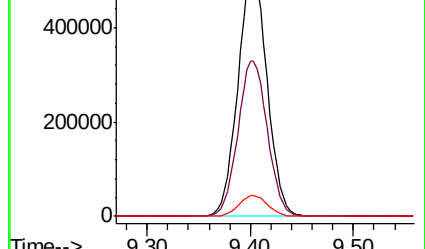
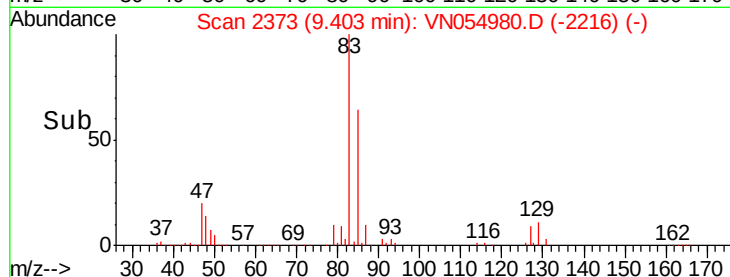


Abundance Ion 83.00 (82.70 to 83.70): VN054977.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN054977.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN054977.D (-2358) (-)

Time-->



#42

Vinyl Acetate

Concen: 946.753 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054980.D

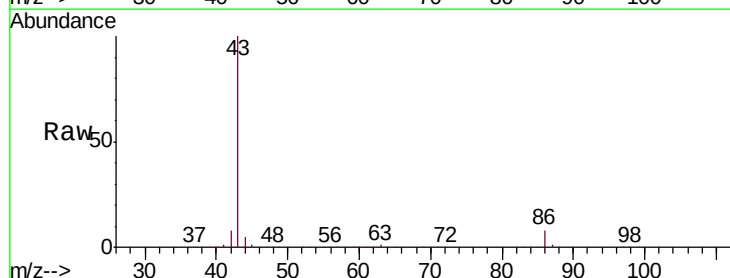
Acq: 11 Apr 2019 16:13

Tgt Ion: 43 Resp: 9401582

Ion Ratio Lower Upper

43 100

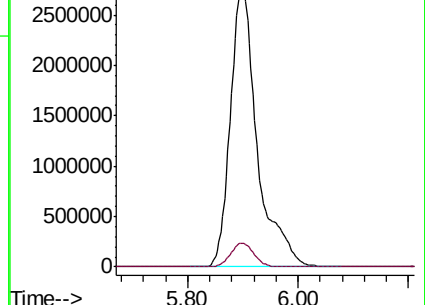
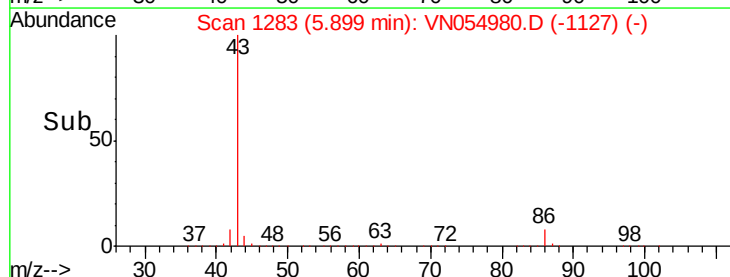
86 7.4 5.7 8.5

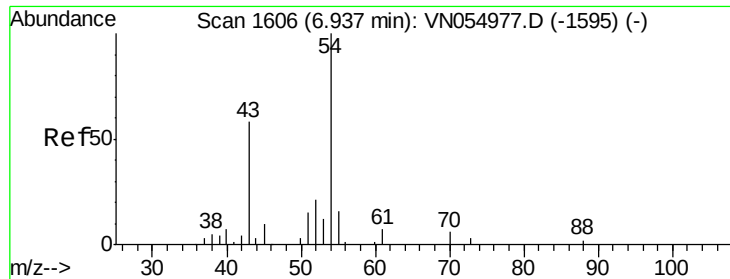


Abundance Ion 43.00 (42.70 to 43.70): VN054977.D (-1260) (-)

Ion 86.00 (85.70 to 86.70): VN054977.D (-1260) (-)

Time-->





#43

Ethyl Acetate

Concen: 180.924 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

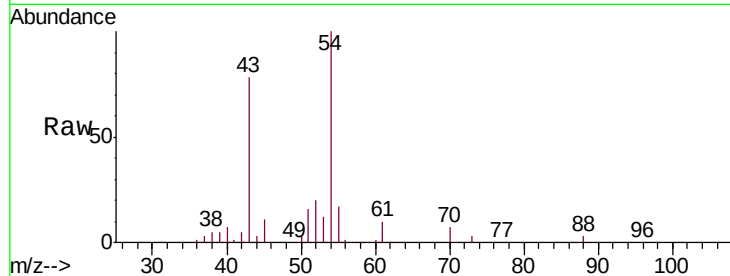
VSTDICC150

Tgt Ion: 43 Resp: 733213

Ion Ratio Lower Upper

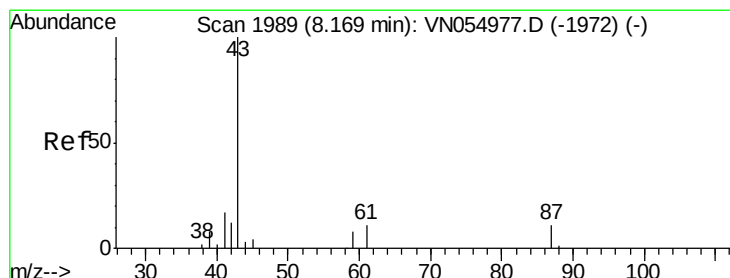
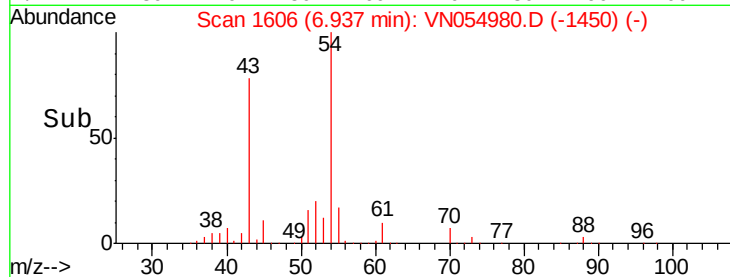
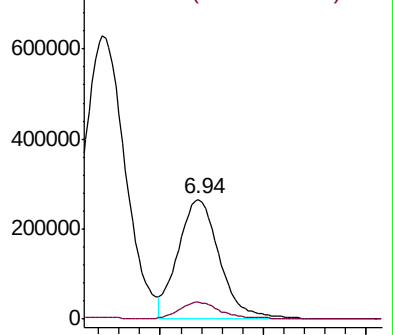
43 100

45 14.5 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 184.907 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054980.D

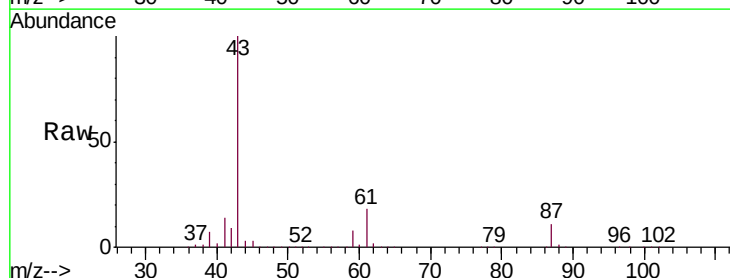
Acq: 11 Apr 2019 16:13

Tgt Ion: 43 Resp: 1306031

Ion Ratio Lower Upper

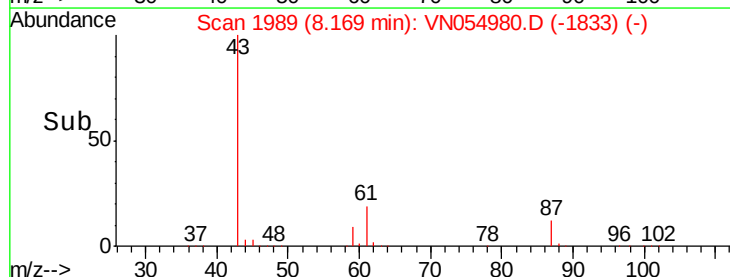
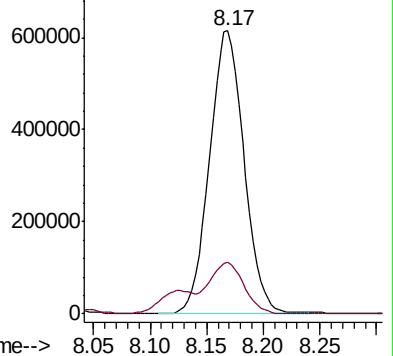
43 100

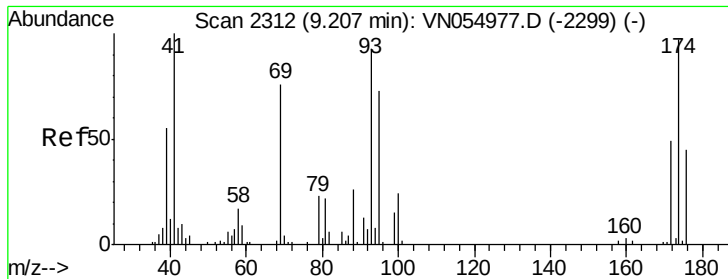
61 18.0 14.8 22.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 3573.323 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

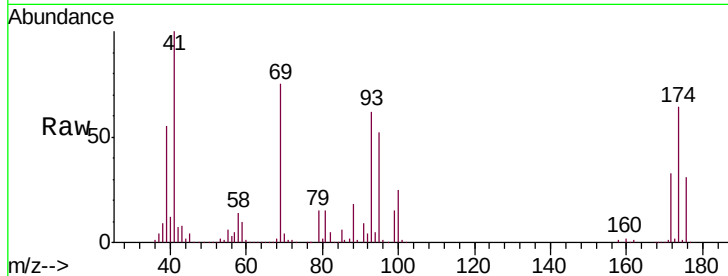
Tgt Ion: 88 Resp: 134168

Ion Ratio Lower Upper

88 100

43 39.8 34.5 51.7

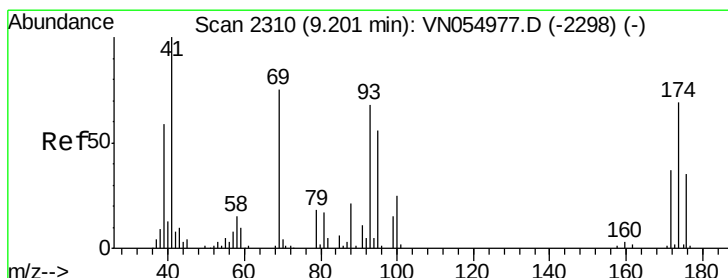
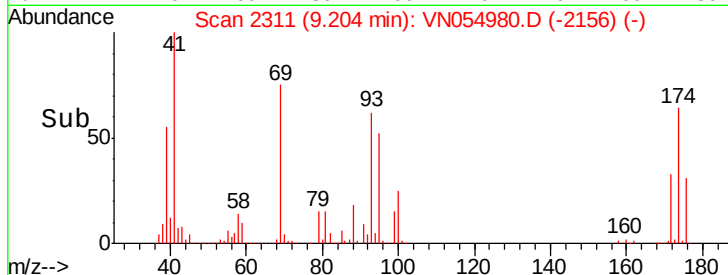
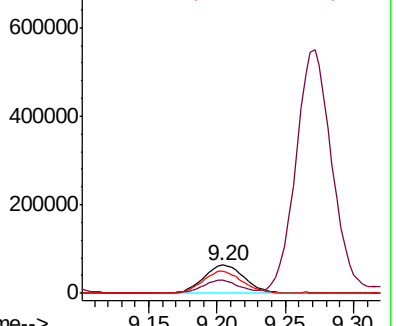
58 75.5 60.3 90.5



Abundance Ion 88.00 (87.70 to 88.70): VN054977.D (-2299) (-)

Ion 43.00 (42.70 to 43.70): VN054977.D (-2299) (-)

Ion 58.00 (57.70 to 58.70): VN054977.D (-2299) (-)



#46

Methyl methacrylate

Concen: 204.748 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

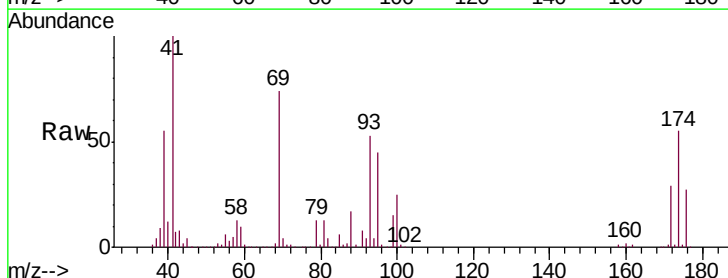
Tgt Ion: 41 Resp: 695961

Ion Ratio Lower Upper

41 100

69 74.4 37.3 111.9

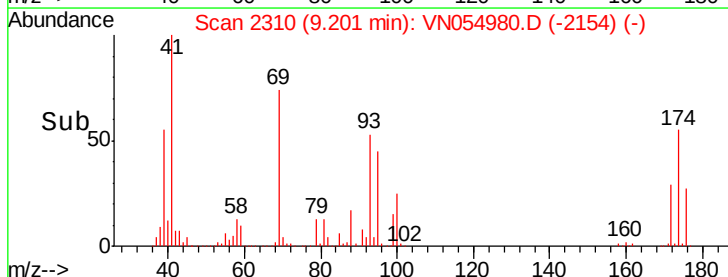
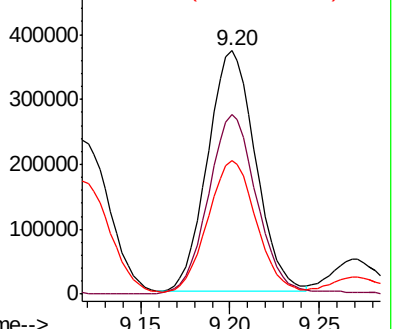
39 54.5 29.4 88.2

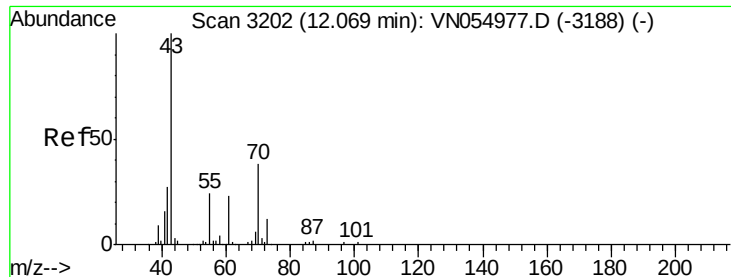


Abundance Ion 41.00 (40.70 to 41.70): VN054977.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN054977.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN054977.D (-2298) (-)





#47

n-amyl Acetate

Concen: 208.056 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

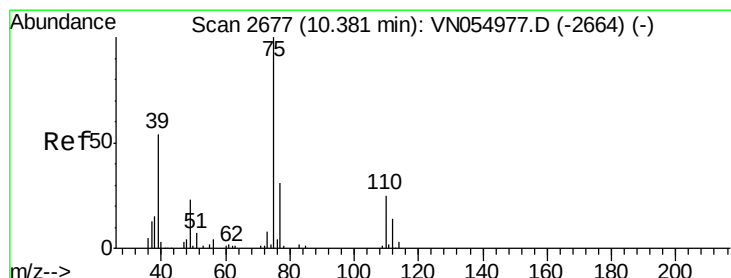
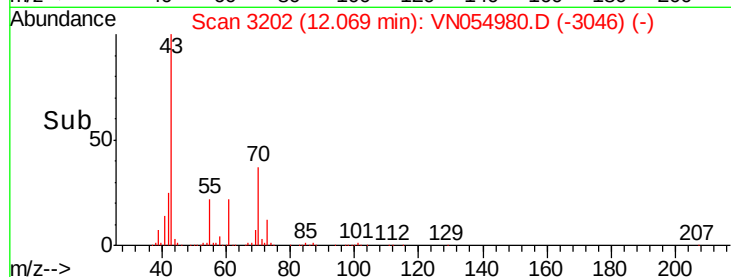
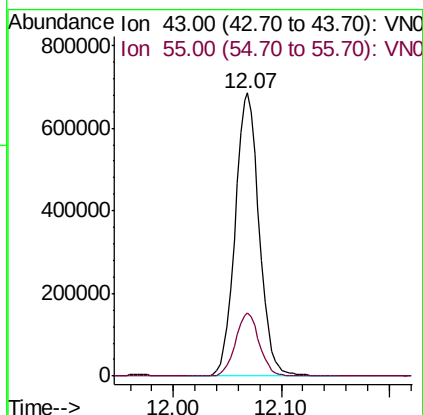
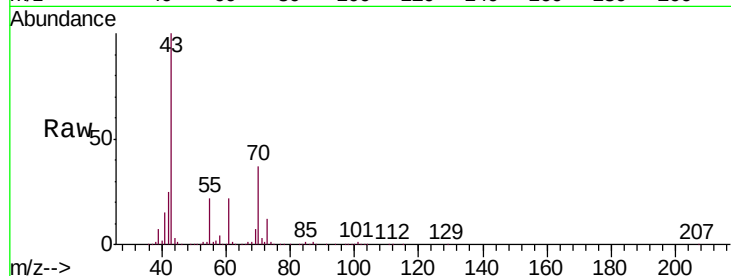
VSTDIC150

Tgt Ion: 43 Resp: 1061308

Ion Ratio Lower Upper

43 100

55 22.4 19.8 29.6



#48

t-1,3-Dichloropropene

Concen: 178.440 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054980.D

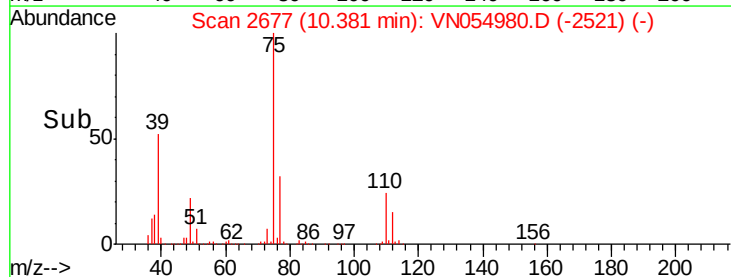
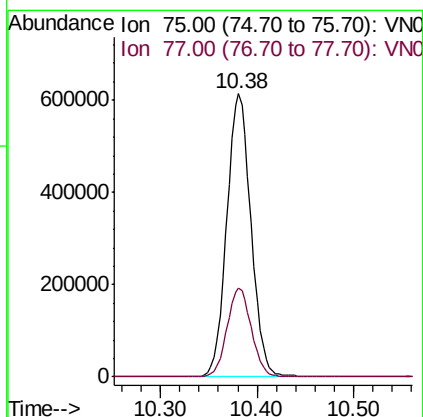
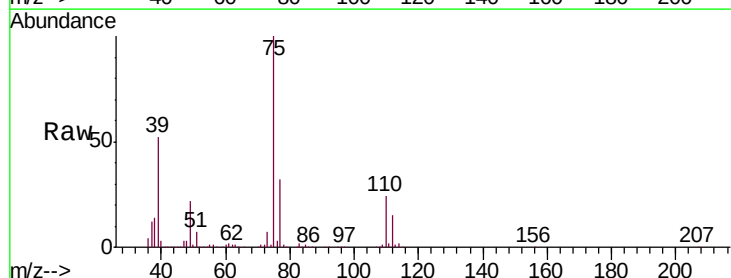
Acq: 11 Apr 2019 16:13

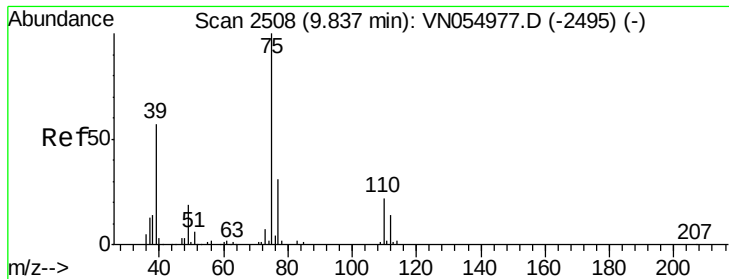
Tgt Ion: 75 Resp: 1067500

Ion Ratio Lower Upper

75 100

77 31.4 24.6 37.0



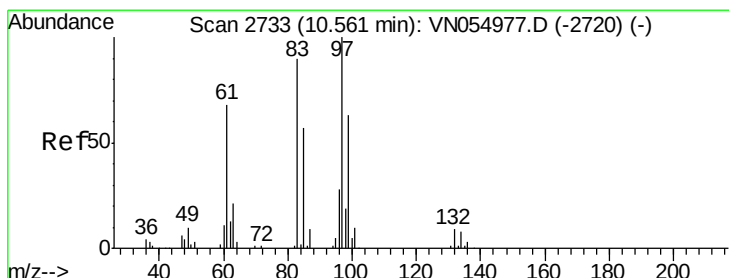
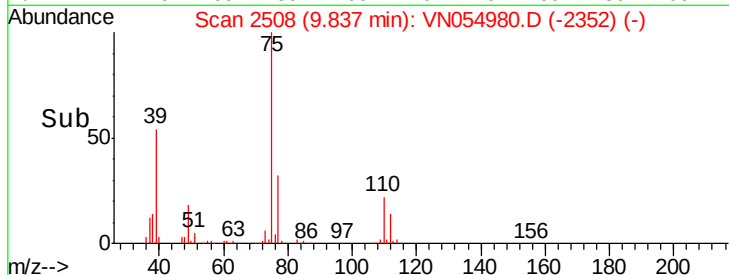
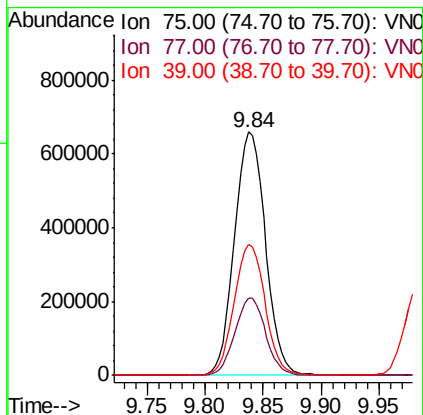
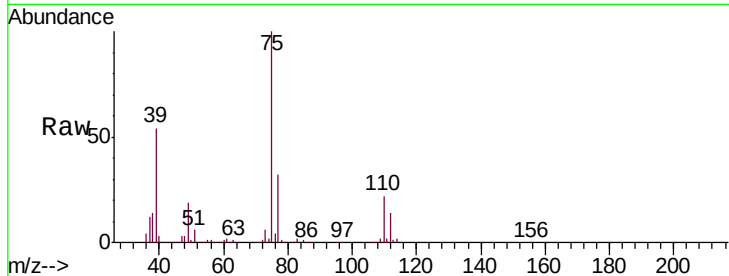


#49

cis-1,3-Dichloropropene
 Concen: 173.371 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

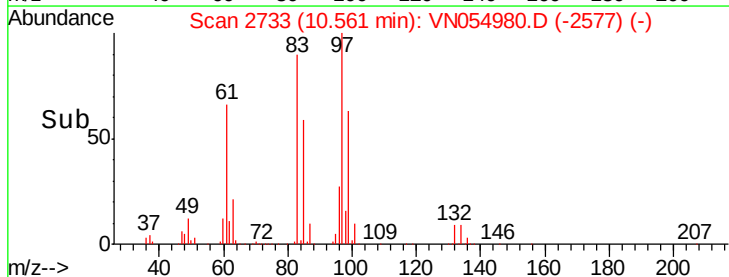
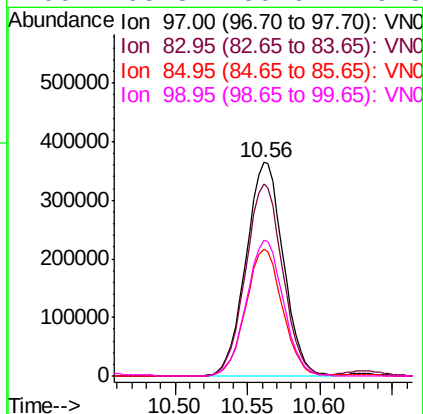
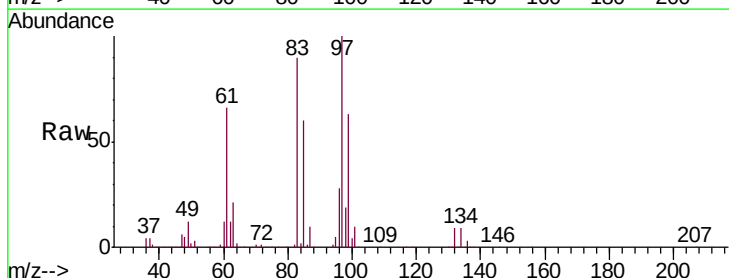
Tgt Ion: 75 Resp: 1227453
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.7 37.1
 39 53.8 45.3 67.9

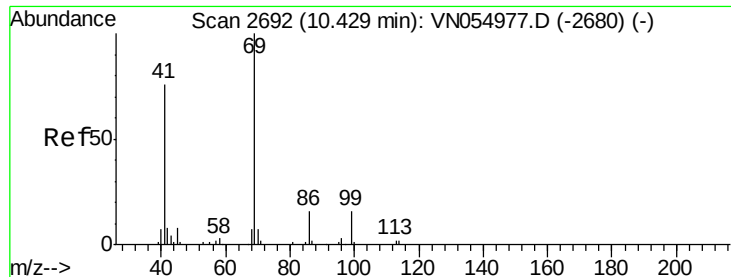


#50

1,1,2-Trichloroethane
 Concen: 163.084 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 97 Resp: 655376
 Ion Ratio Lower Upper
 97 100
 83 89.9 72.1 108.1
 85 59.6 45.4 68.0
 99 63.3 50.6 75.8





#51

Ethyl methacrylate

Concen: 189.733 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

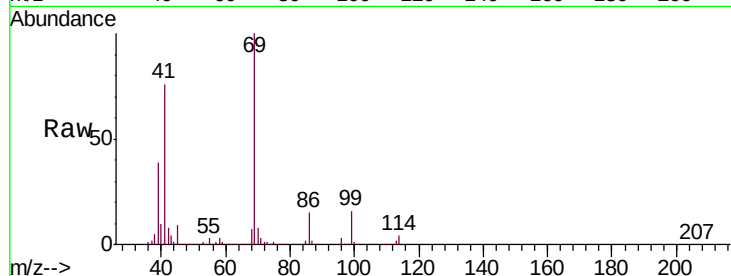
Tgt Ion: 69 Resp: 897365

Ion Ratio Lower Upper

69 100

41 75.3 37.9 113.7

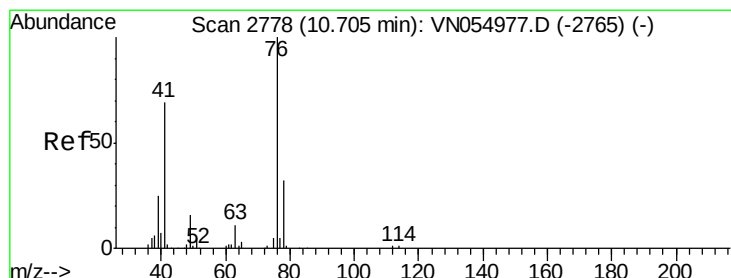
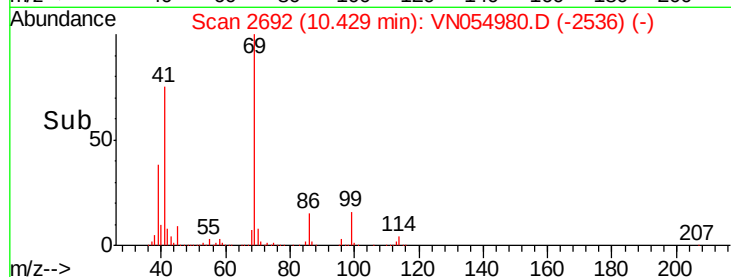
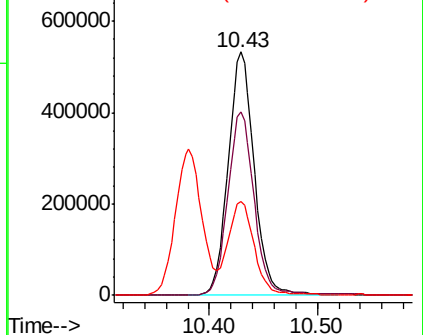
39 38.4 19.8 59.4



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 170.021 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054980.D

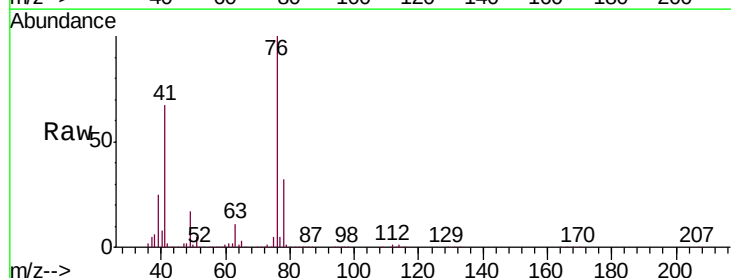
Acq: 11 Apr 2019 16:13

Tgt Ion: 76 Resp: 1169582

Ion Ratio Lower Upper

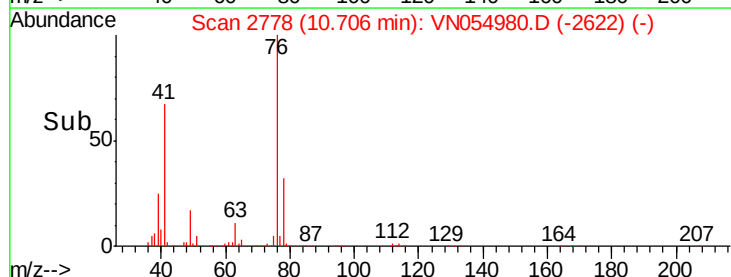
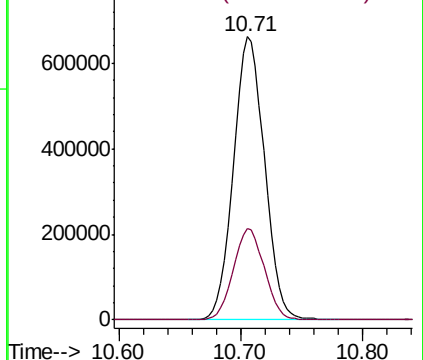
76 100

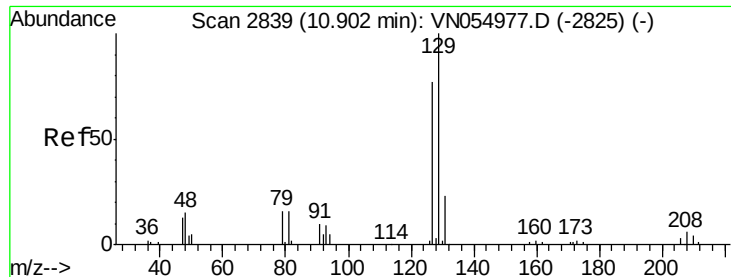
78 32.3 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

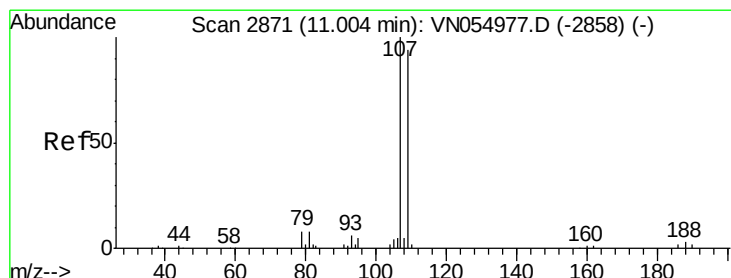
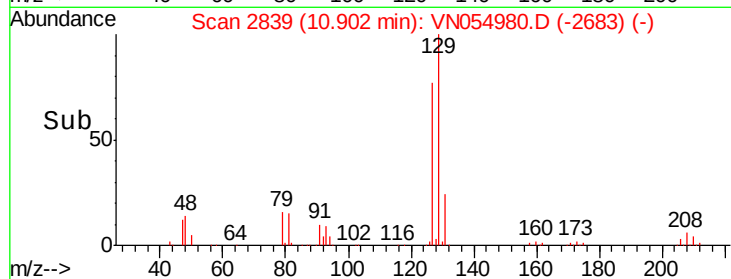
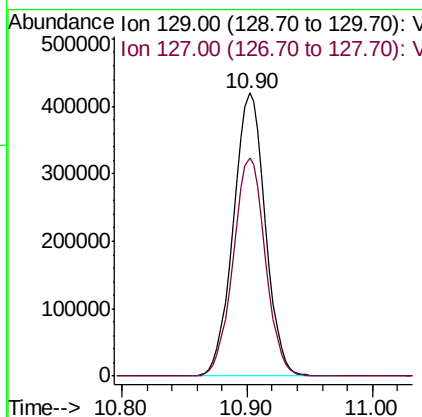
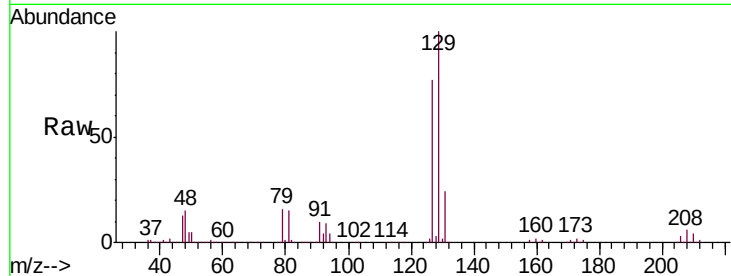




#53
 Dibromochloromethane
 Concen: 169.958 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

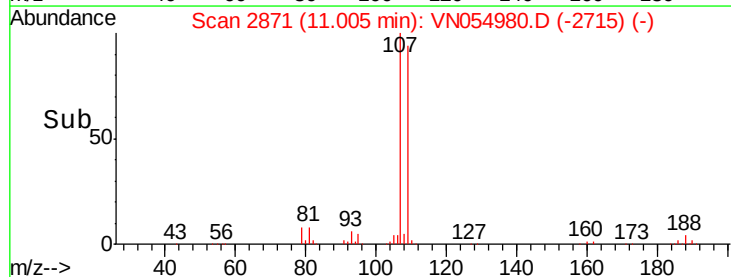
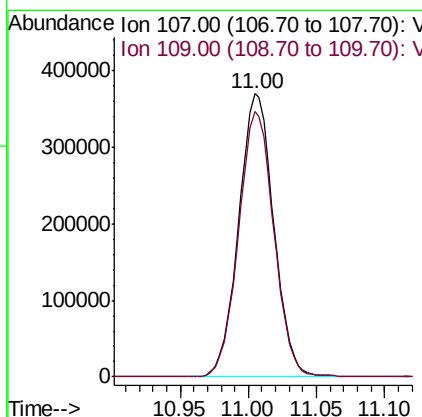
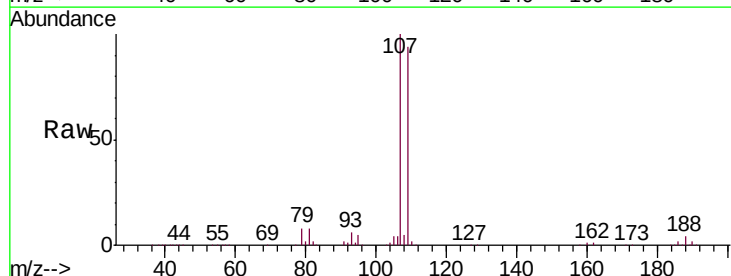
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

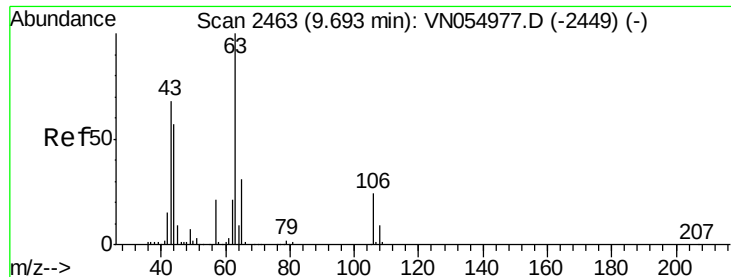
Tgt Ion:129 Resp: 741268
 Ion Ratio Lower Upper
 129 100
 127 77.7 37.8 113.3



#54
 1,2-Dibromoethane
 Concen: 174.081 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion:107 Resp: 659035
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.2 114.2

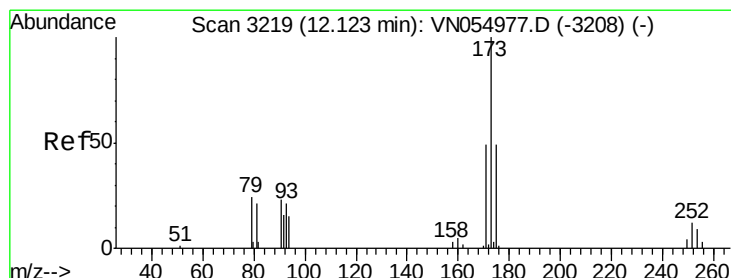
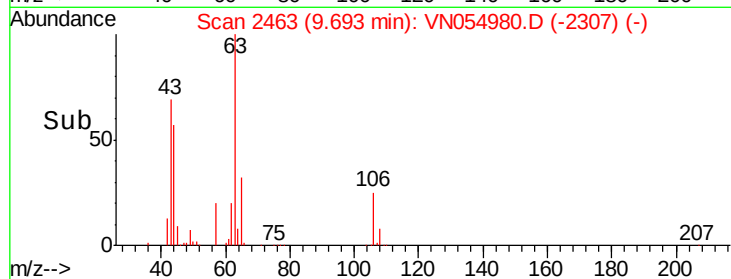
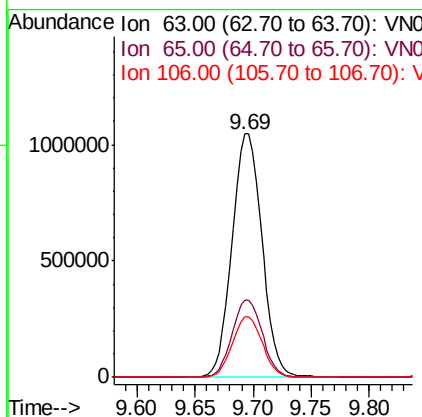
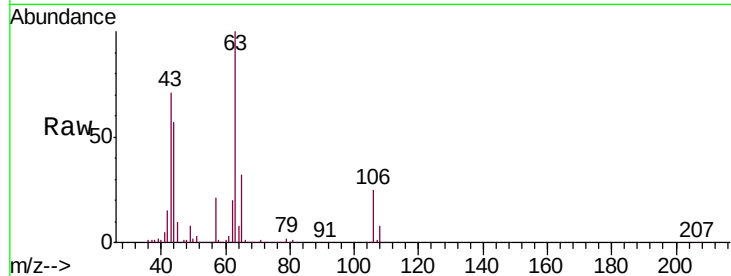




#55
 2-Chloroethyl vinyl ether
 Concen: 861.744 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

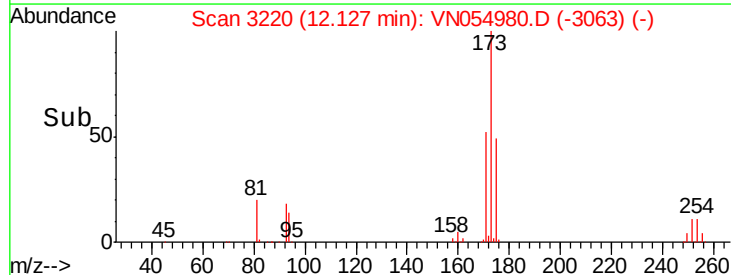
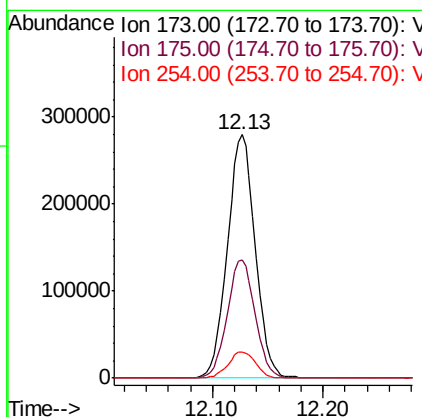
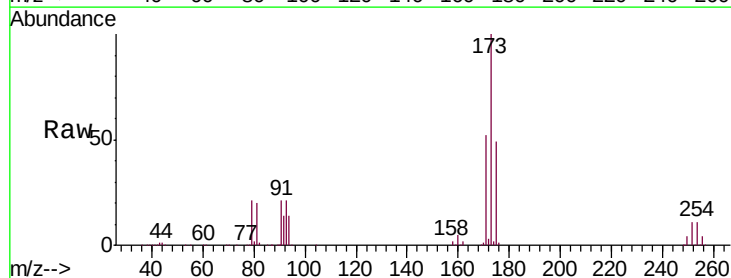
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

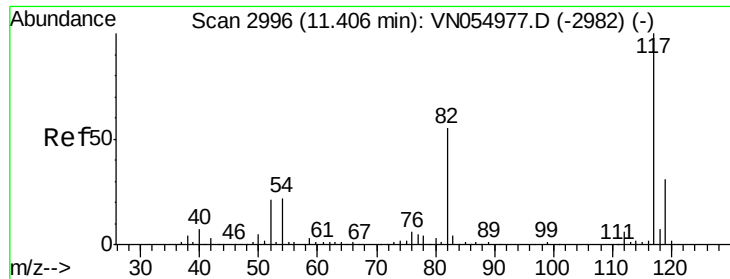
Tgt Ion: 63 Resp: 1874208
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.4 38.0
 106 24.8 19.8 29.6



#56
 Bromoform
 Concen: 170.222 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 173 Resp: 487929
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.6 57.8
 254 10.7 6.8 10.2#

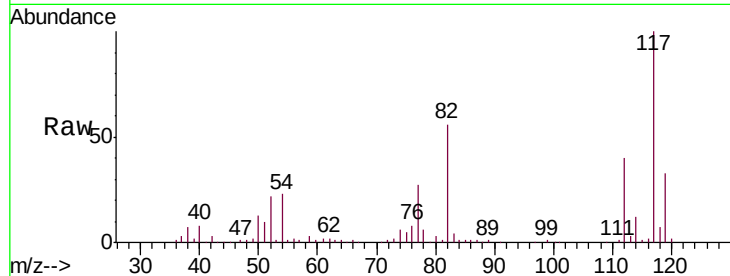




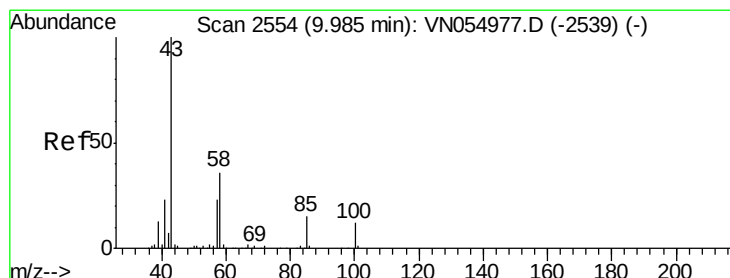
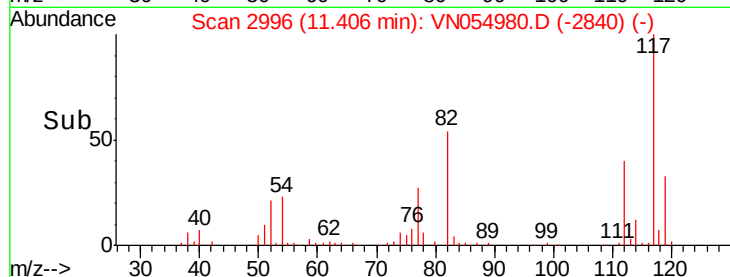
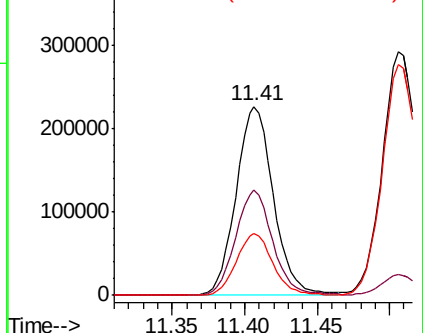
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 405985
Ion Ratio Lower Upper
117 100
82 55.3 45.2 67.8
119 32.0 25.4 38.2

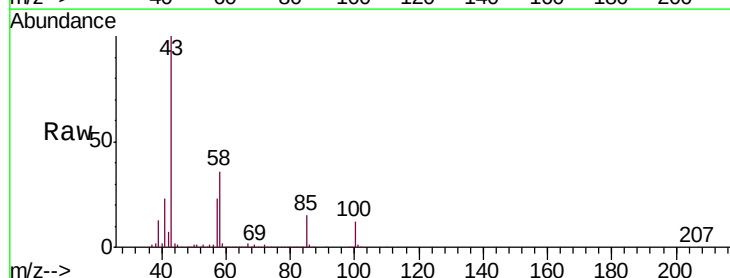


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

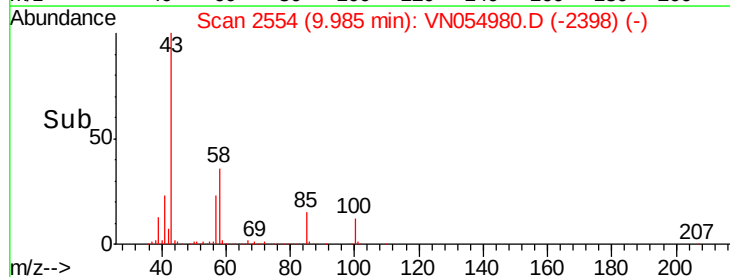
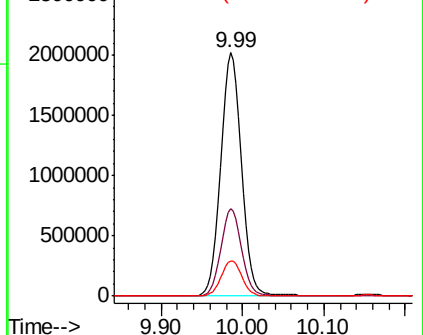


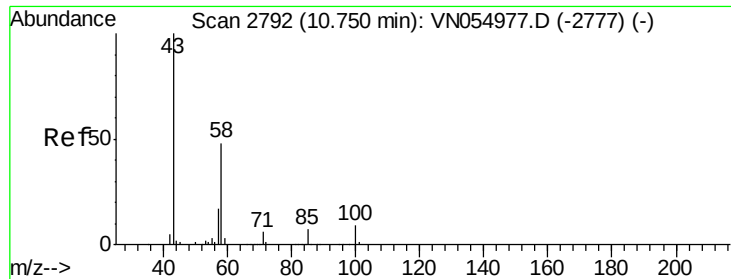
#58
4-Methyl-2-Pentanone
Concen: 925.766 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion: 43 Resp: 3664712
Ion Ratio Lower Upper
43 100
58 35.7 28.7 43.1
85 14.7 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

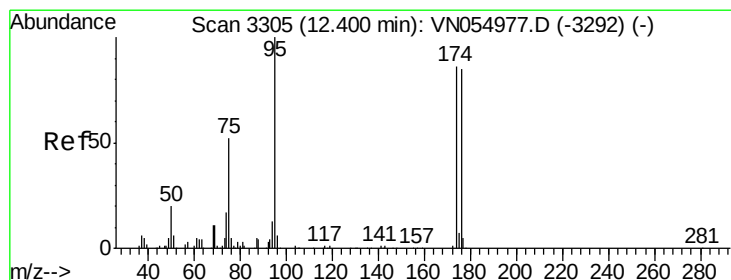
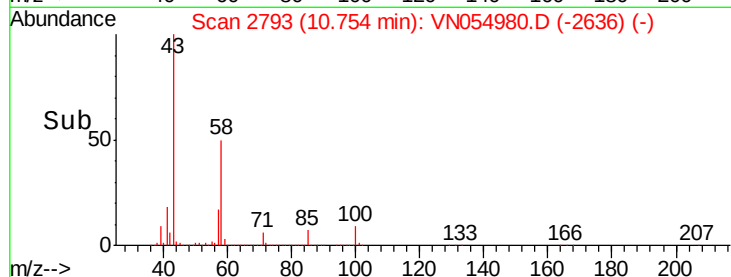
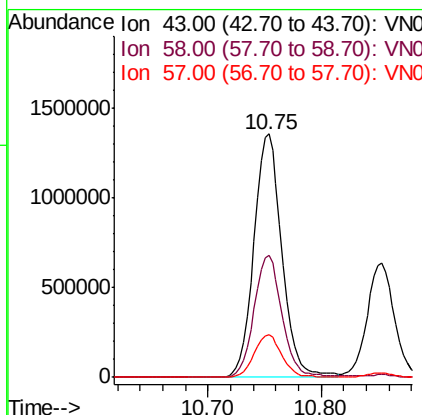
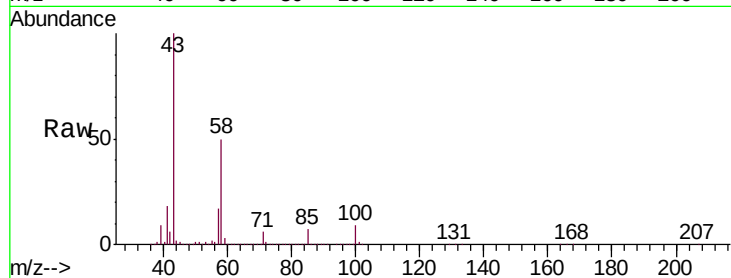




#59
2-Hexanone
Concen: 899.970 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

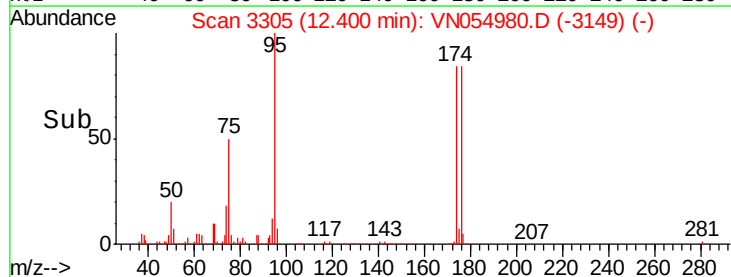
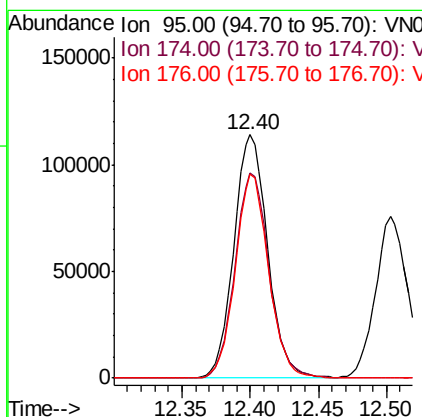
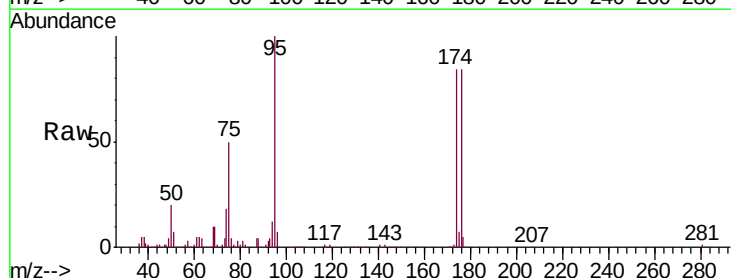
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

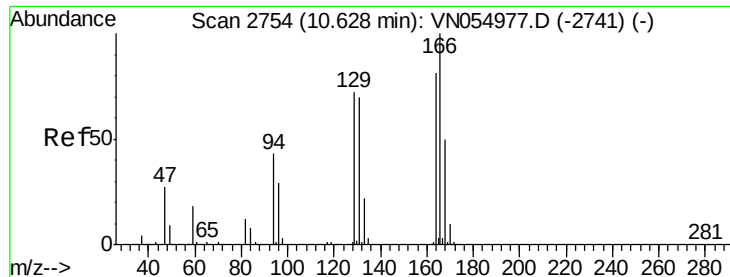
Tgt Ion: 43 Resp: 2328422
Ion Ratio Lower Upper
43 100
58 50.3 38.8 58.2
57 17.4 13.8 20.6



#60
4-Bromofluorobenzene
Concen: 899.970 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion: 95 Resp: 196220
Ion Ratio Lower Upper
95 100
174 85.1 69.4 104.2
176 82.5 67.4 101.2





#61

Tetrachloroethene

Concen: 145.396 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:164 Resp: 724976

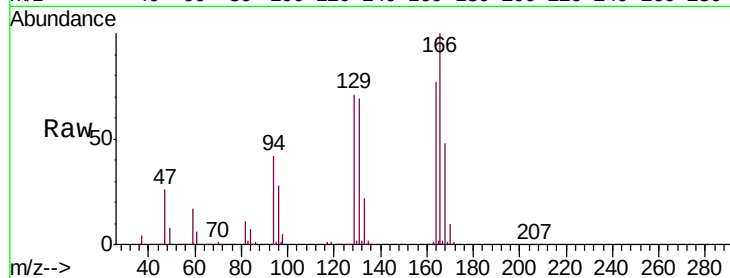
Ion Ratio Lower Upper

164 100

166 129.2 99.0 148.4

129 91.6 71.4 107.0

131 88.5 68.8 103.2

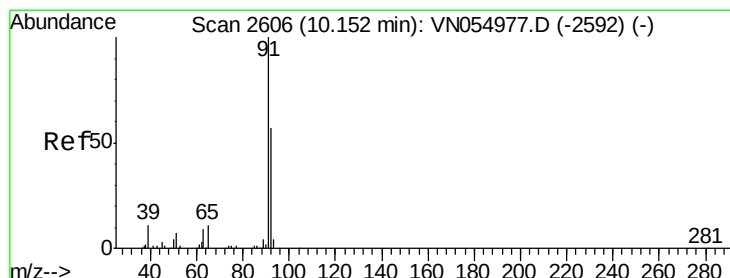
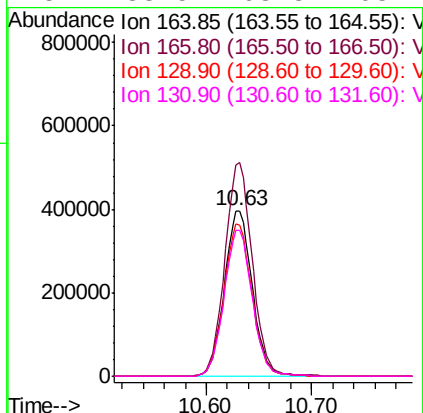
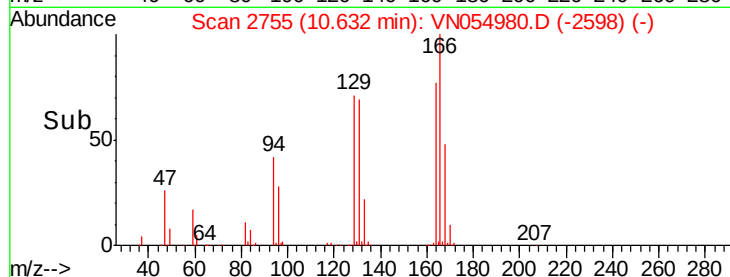


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 162.021 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054980.D

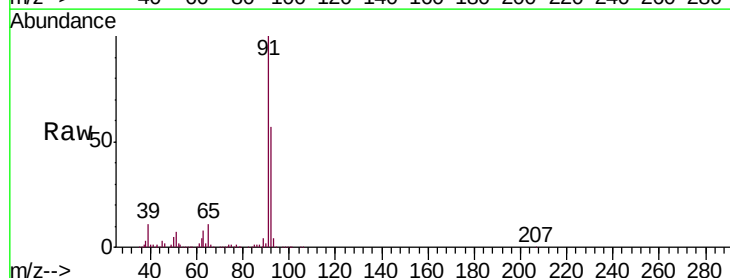
Acq: 11 Apr 2019 16:13

Tgt Ion: 91 Resp: 3226621

Ion Ratio Lower Upper

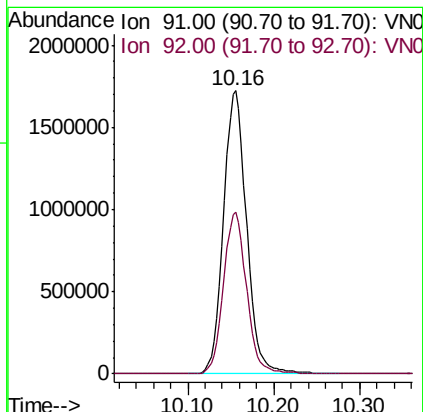
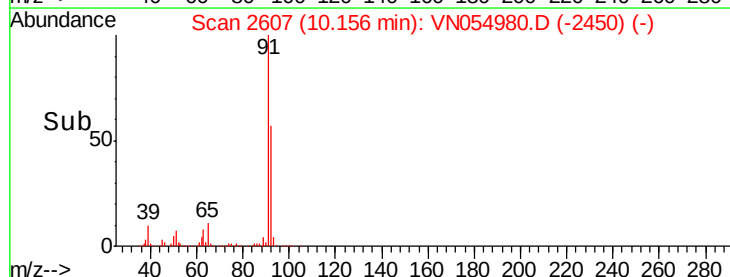
91 100

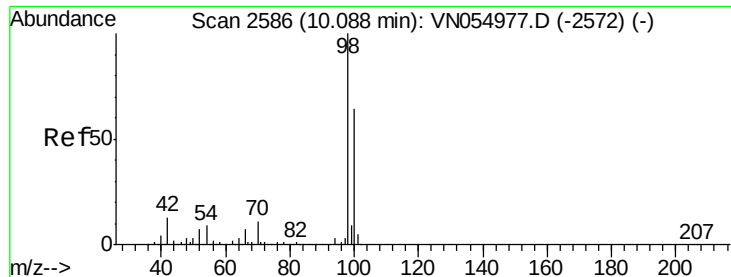
92 57.2 44.8 67.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 162.021 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

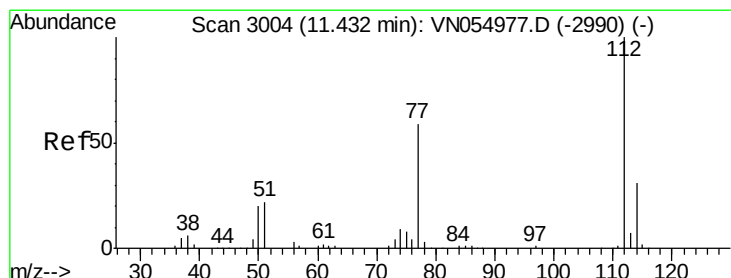
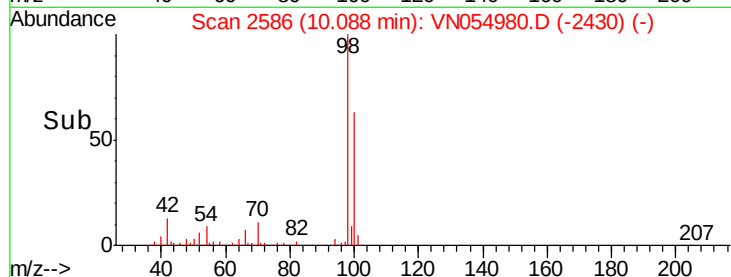
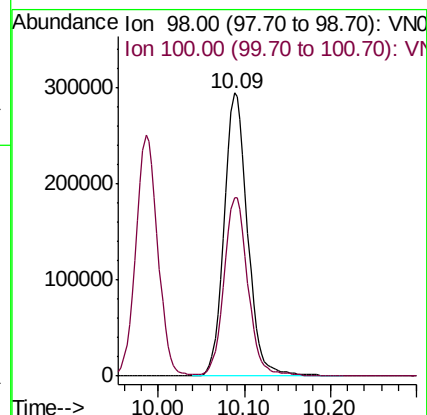
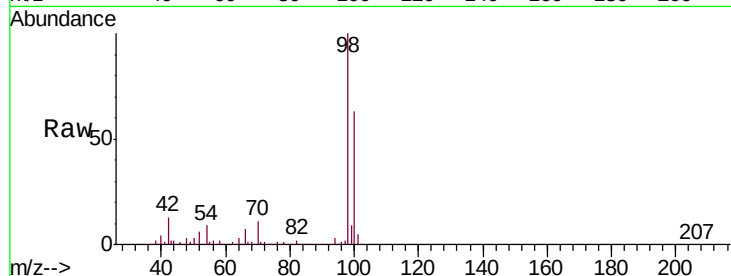
VSTDIC150

Tgt Ion: 98 Resp: 559080

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7



#64

Chlorobenzene

Concen: 165.684 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054980.D

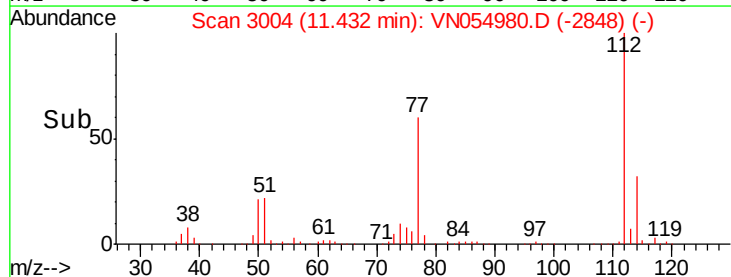
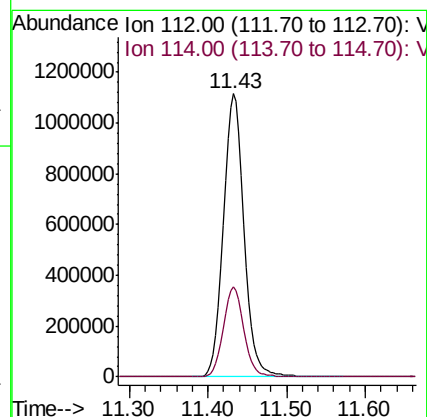
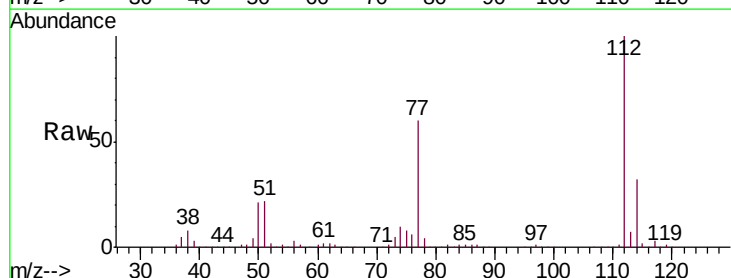
Acq: 11 Apr 2019 16:13

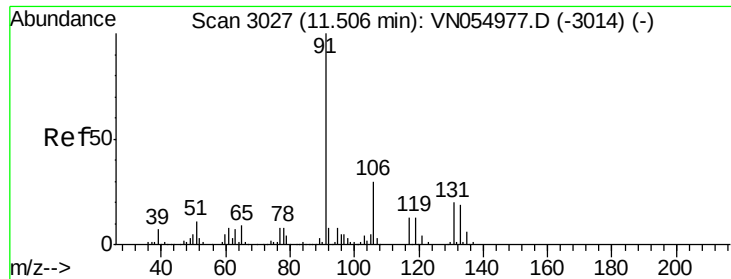
Tgt Ion: 112 Resp: 2013086

Ion Ratio Lower Upper

112 100

114 31.8 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 165.377 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

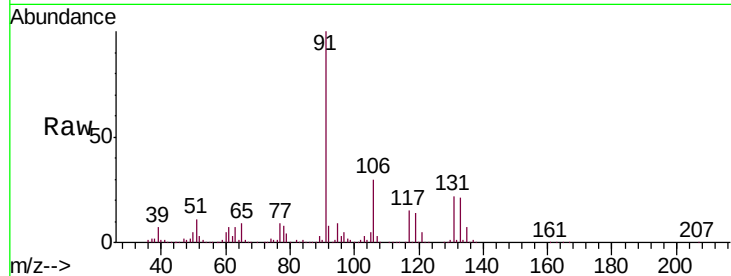
Tgt Ion:131 Resp: 733450

Ion Ratio Lower Upper

131 100

133 95.4 0.0 187.8

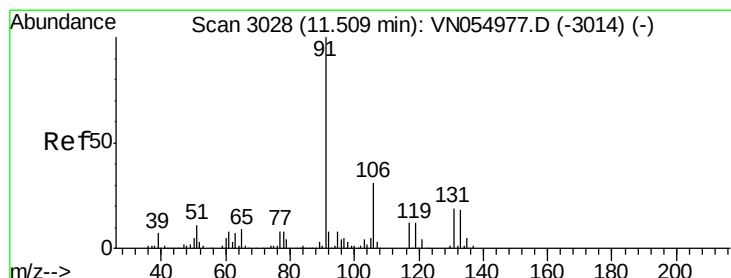
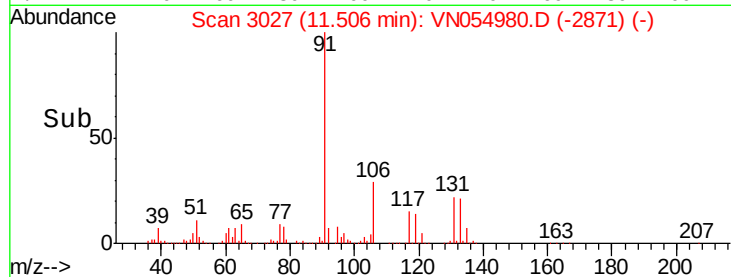
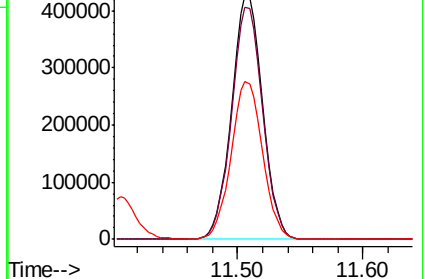
119 65.4 0.0 131.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 171.602 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054980.D

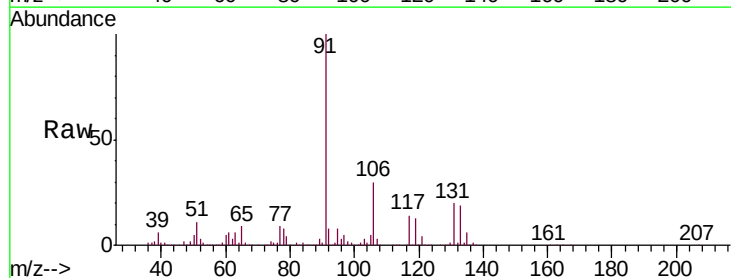
Acq: 11 Apr 2019 16:13

Tgt Ion: 91 Resp: 3571602

Ion Ratio Lower Upper

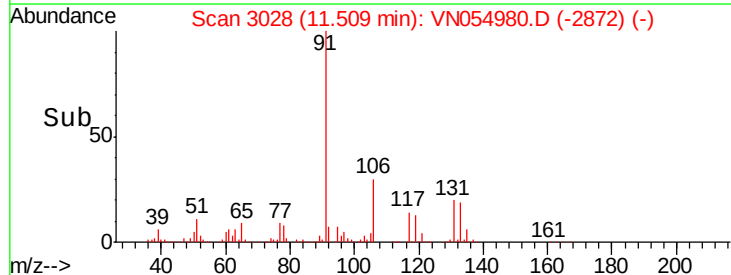
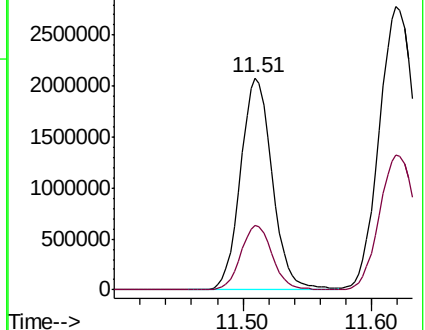
91 100

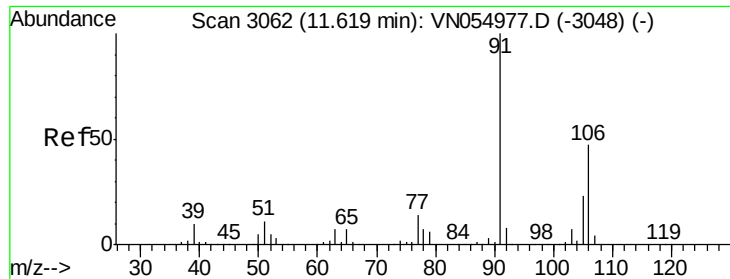
106 30.2 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 340.524 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

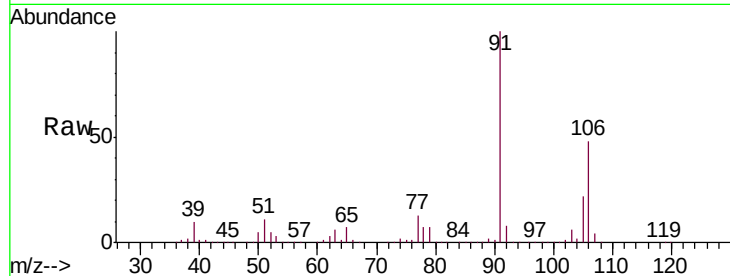
VSTDIC150

Tgt Ion:106 Resp: 2656104

Ion Ratio Lower Upper

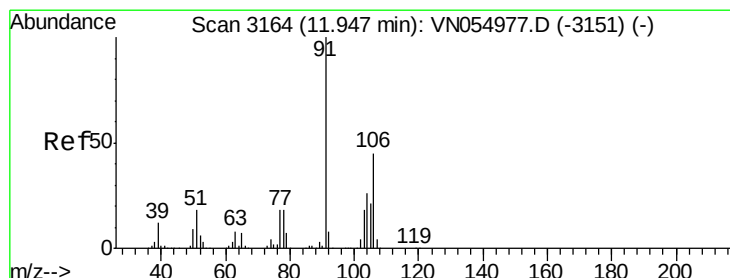
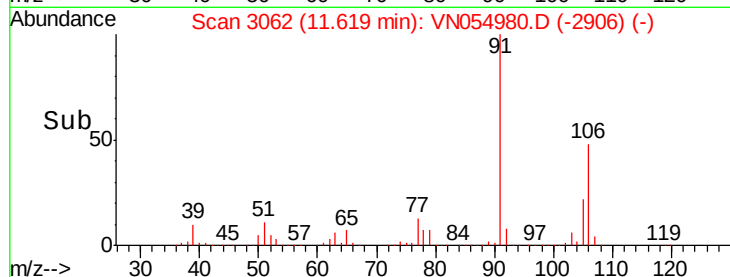
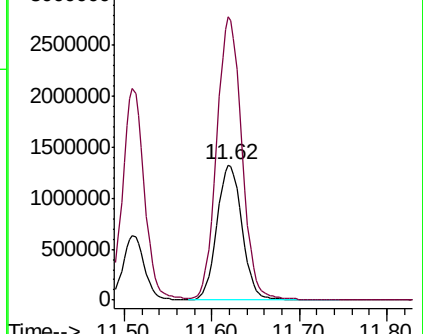
106 100

91 208.8 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 170.774 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054980.D

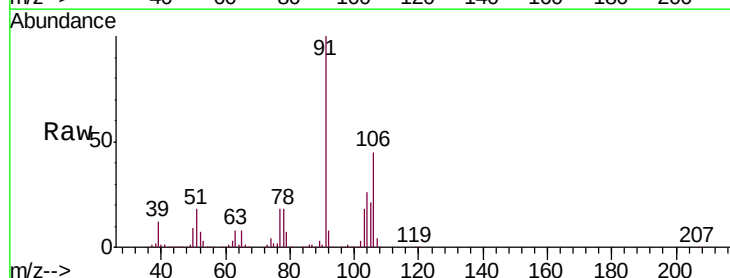
Acq: 11 Apr 2019 16:13

Tgt Ion:106 Resp: 1296254

Ion Ratio Lower Upper

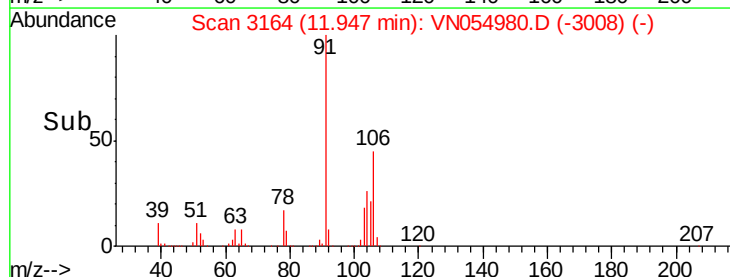
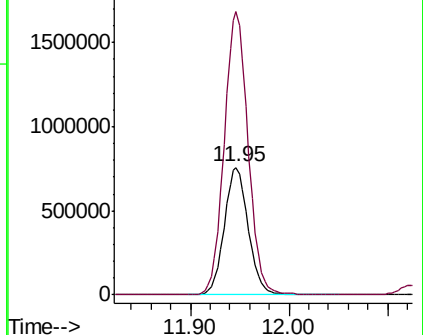
106 100

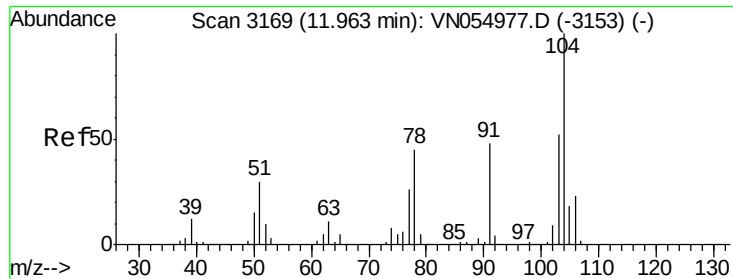
91 220.9 110.3 330.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

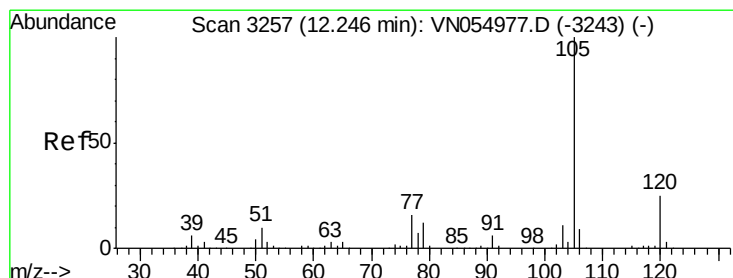
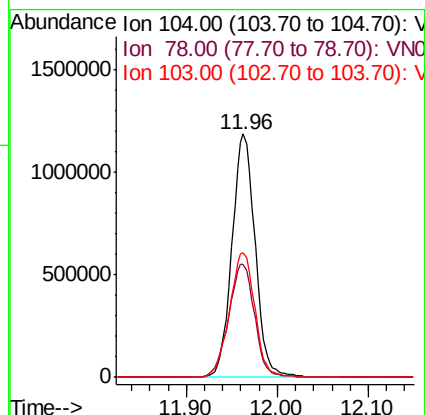
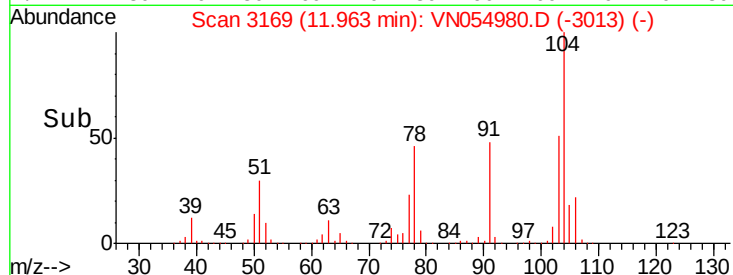
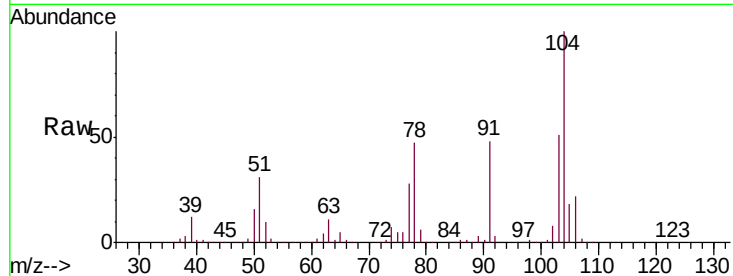




#69
Styrene
Concen: 176.995 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

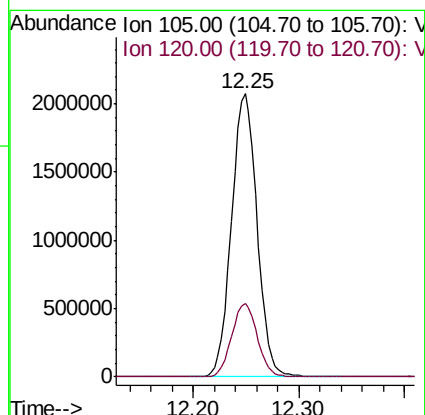
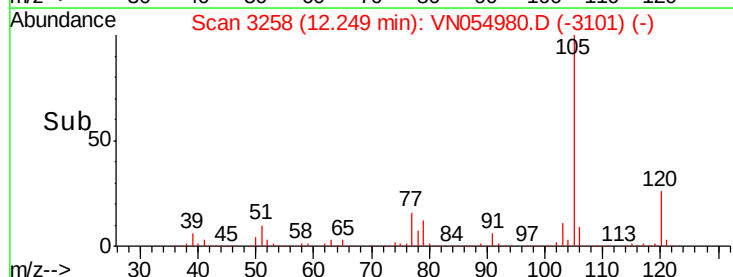
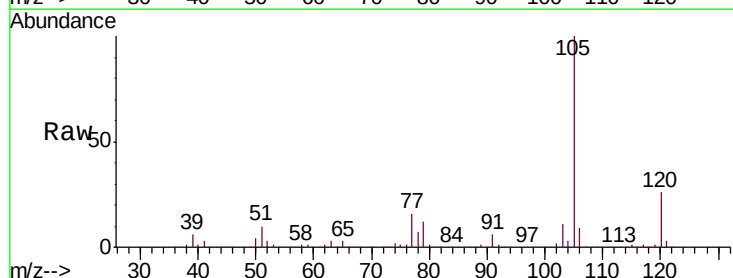
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

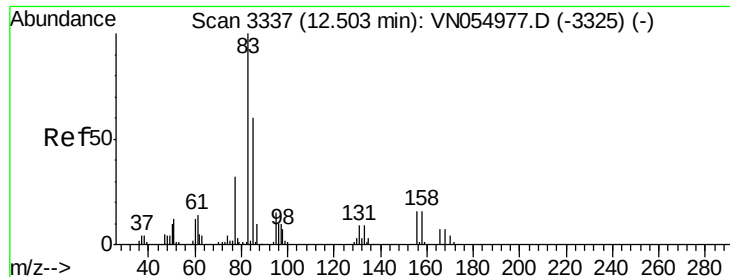
Tgt Ion:104 Resp: 2105129
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 56.2 44.6 67.0



#70
Isopropylbenzene
Concen: 173.988 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion:105 Resp: 3468121
Ion Ratio Lower Upper
105 100
120 26.2 18.3 33.9

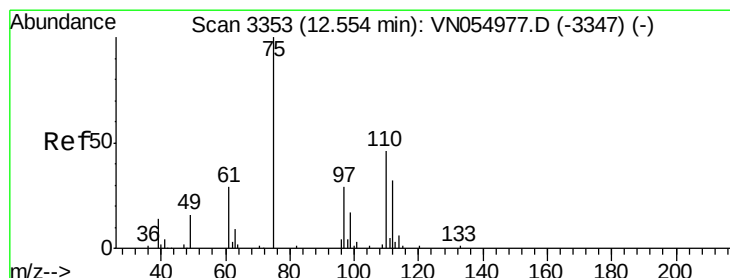
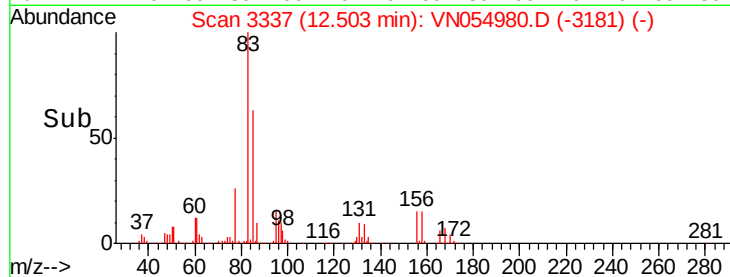
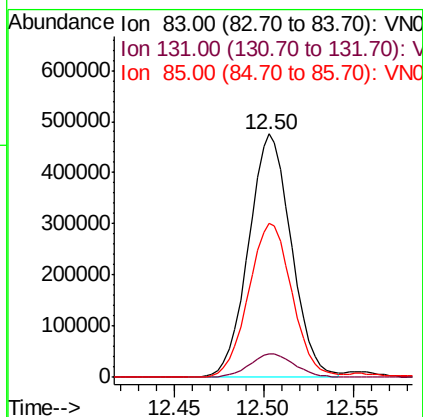
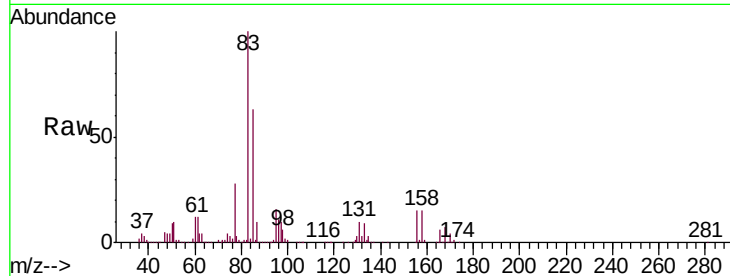




#71
 1,1,2,2-Tetrachloroethane
 Concen: 162.860 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

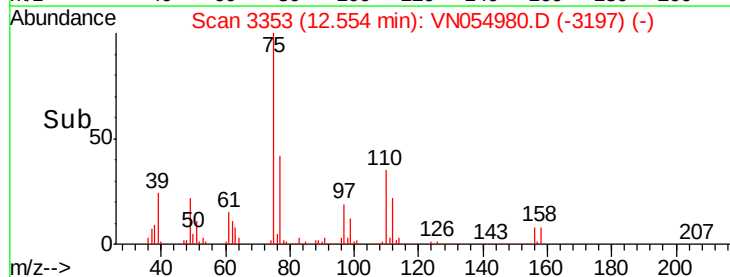
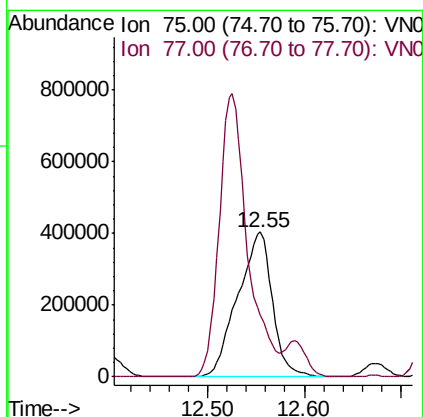
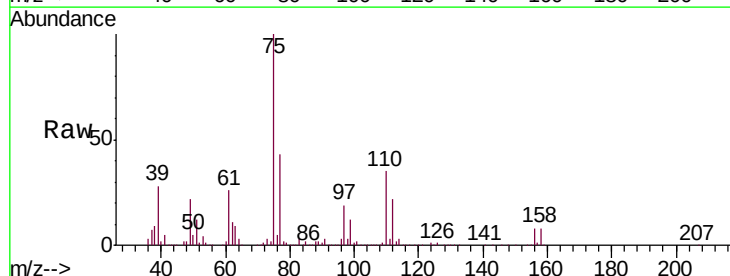
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

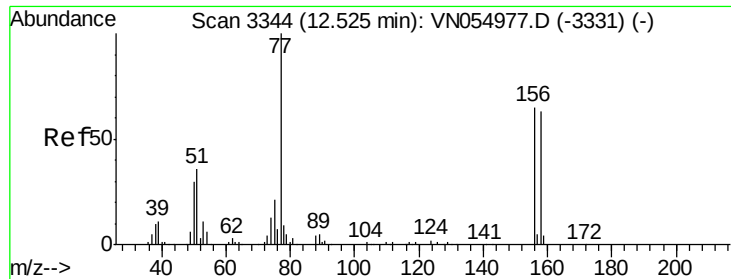
Tgt Ion: 83 Resp: 795311
 Ion Ratio Lower Upper
 83 100
 131 10.4 4.6 13.8
 85 64.4 30.9 92.5



#72
 1,2,3-Trichloropropane
 Concen: 268.850 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 75 Resp: 1002924
 Ion Ratio Lower Upper
 75 100
 77 161.3 0.0 466.6





#73

Bromobenzene

Concen: 169.865 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

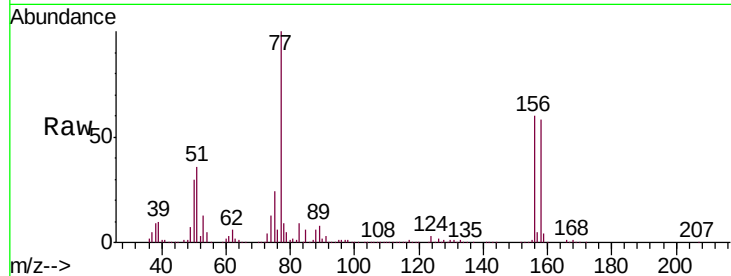
Tgt Ion:156 Resp: 848388

Ion Ratio Lower Upper

156 100

77 190.7 0.0 383.2

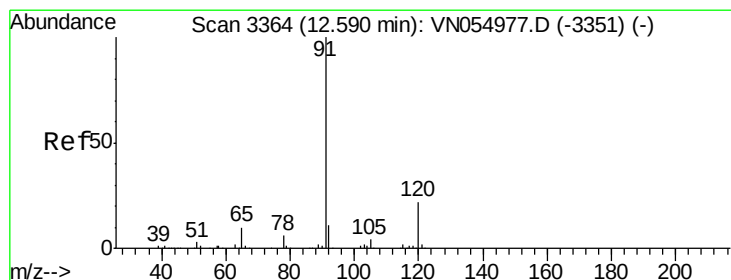
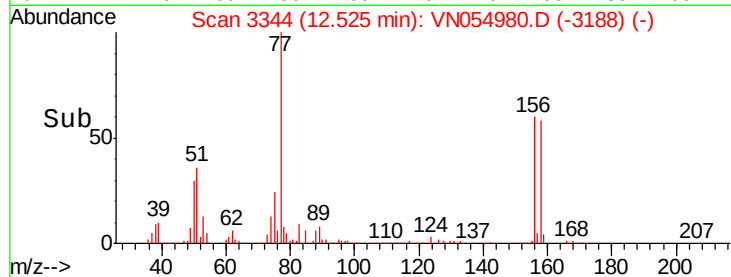
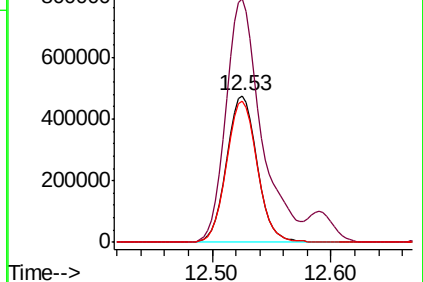
158 97.1 0.0 193.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 170.113 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054980.D

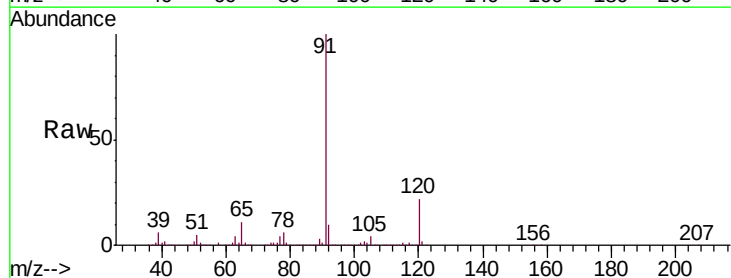
Acq: 11 Apr 2019 16:13

Tgt Ion: 91 Resp: 4015964

Ion Ratio Lower Upper

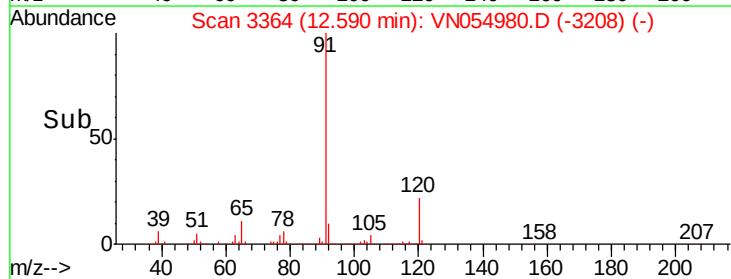
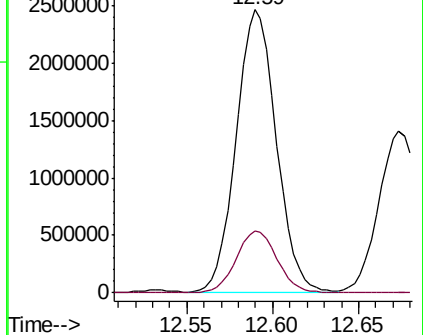
91 100

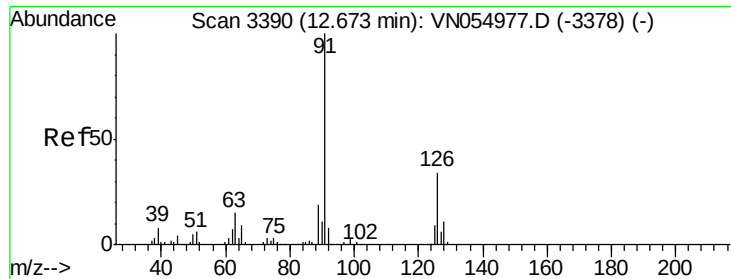
120 22.2 0.0 44.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 170.502 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

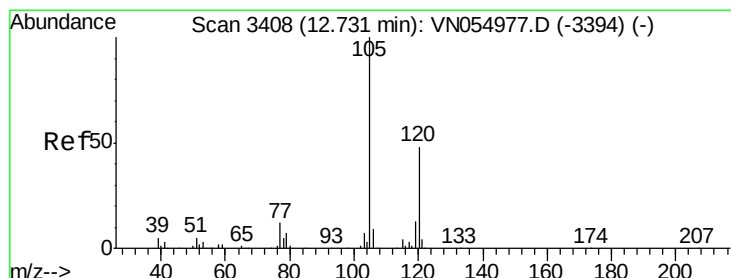
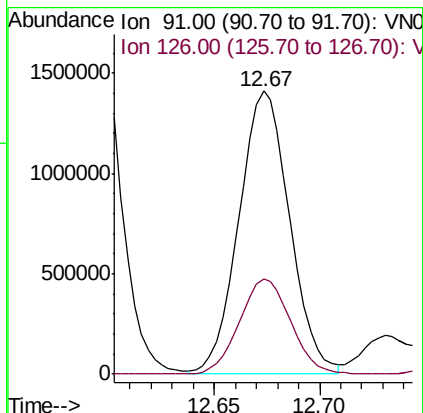
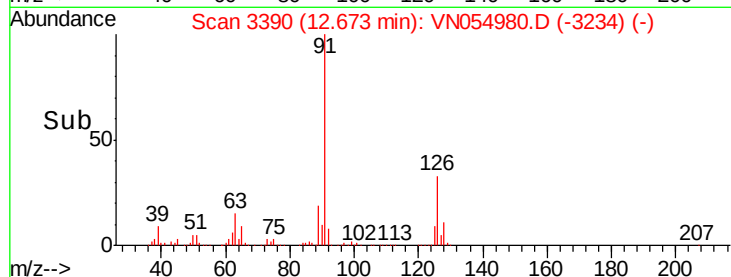
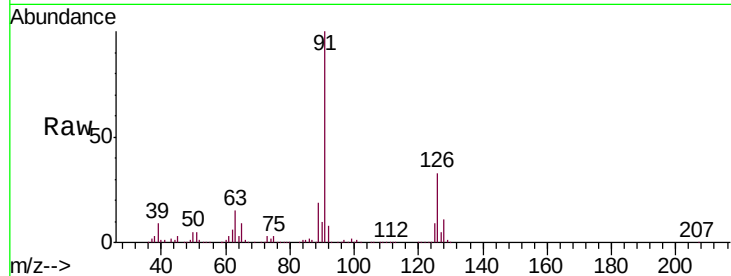
VSTDIC150

Tgt Ion: 91 Resp: 2365644

Ion Ratio Lower Upper

91 100

126 33.9 0.0 67.4



#76

1,3,5-Trimethylbenzene

Concen: 167.570 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054980.D

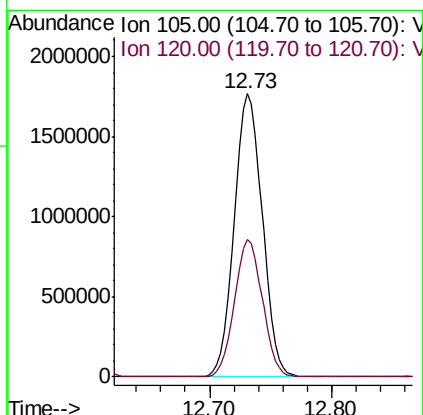
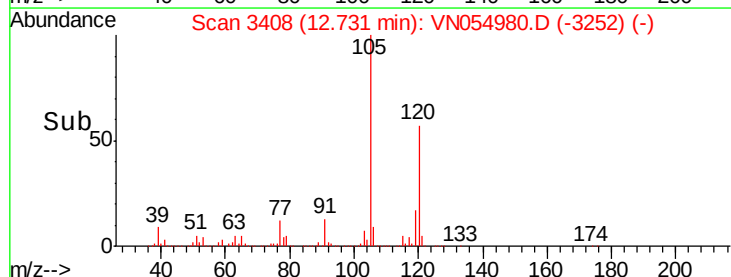
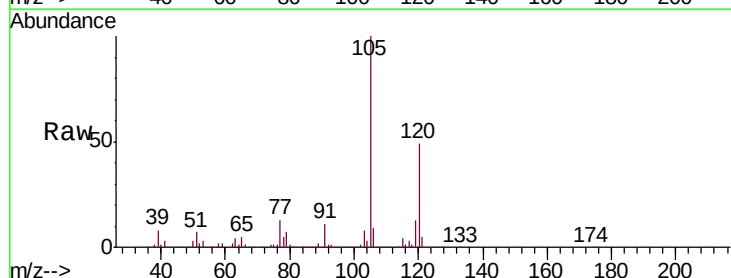
Acq: 11 Apr 2019 16:13

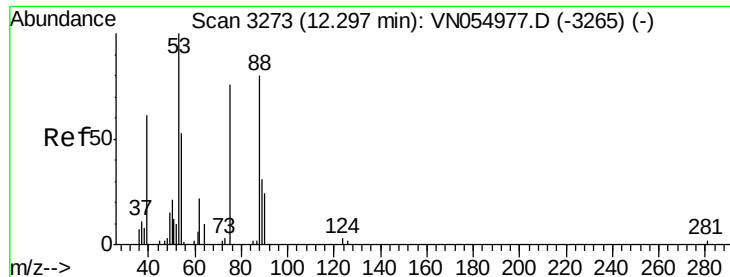
Tgt Ion: 105 Resp: 2815513

Ion Ratio Lower Upper

105 100

120 48.3 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 164.485 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

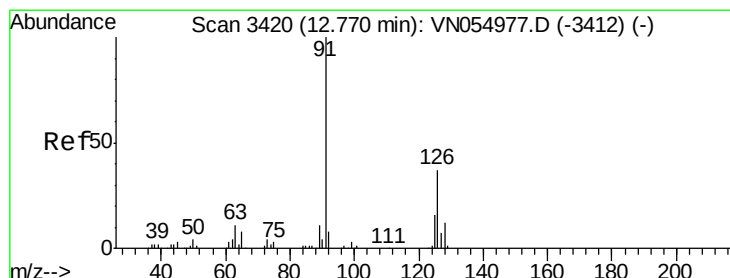
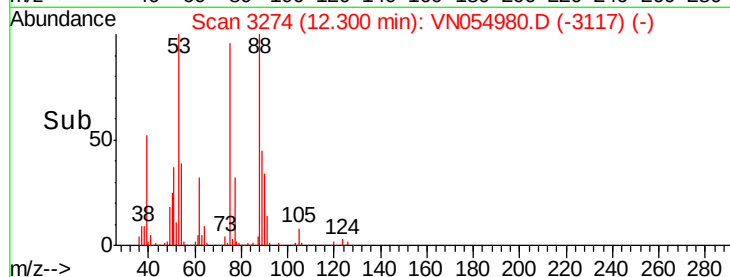
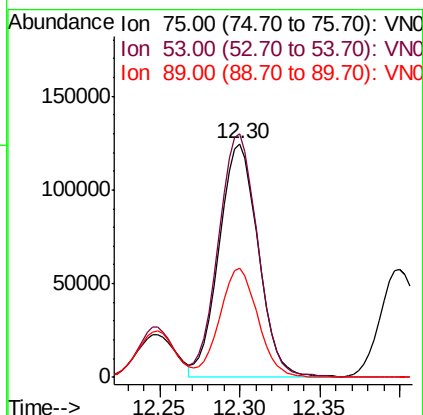
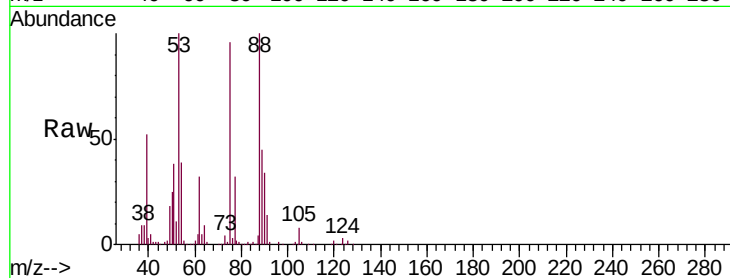
Tgt Ion: 75 Resp: 208475

Ion Ratio Lower Upper

75 100

53 104.4 64.3 192.7

89 46.9 21.6 65.0



#78

4-Chlorotoluene

Concen: 171.353 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054980.D

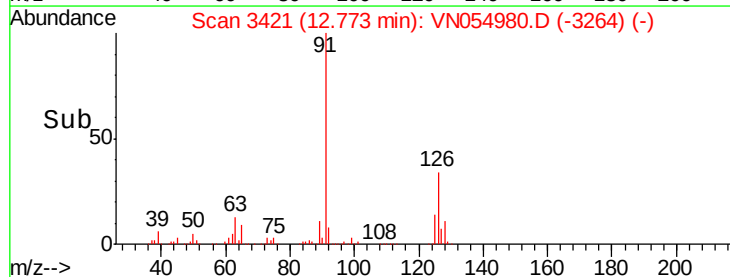
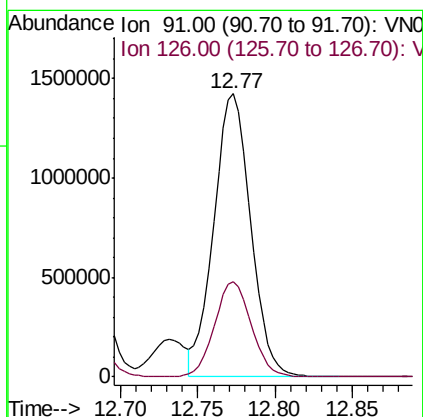
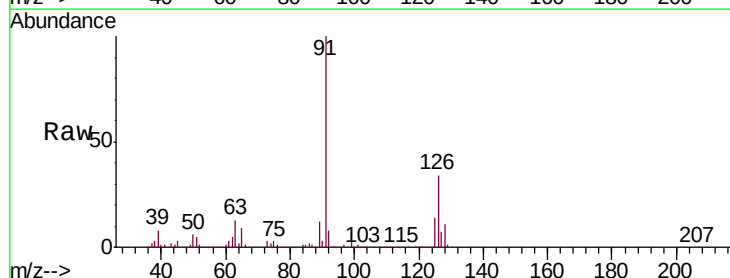
Acq: 11 Apr 2019 16:13

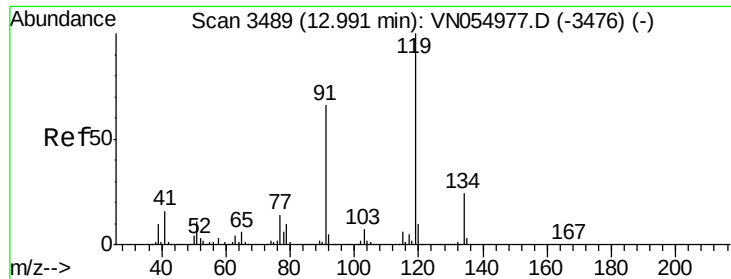
Tgt Ion: 91 Resp: 2359028

Ion Ratio Lower Upper

91 100

126 33.7 0.0 66.6

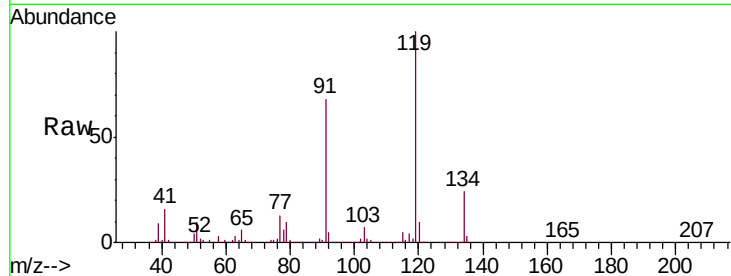




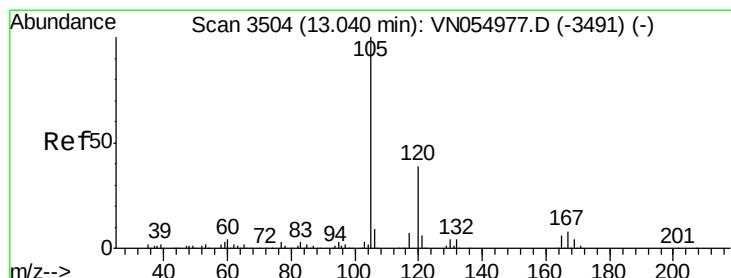
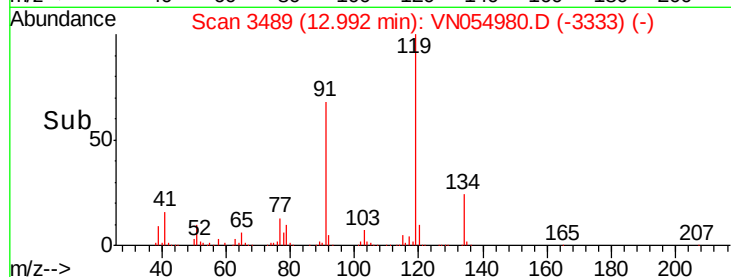
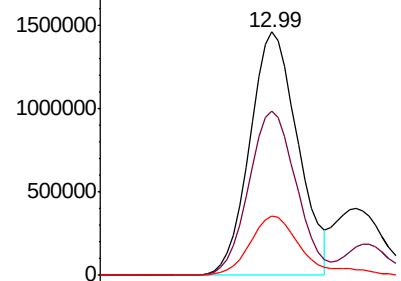
#79
tert-butylbenzene
Concen: 164.039 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:119 Resp: 2420470
Ion Ratio Lower Upper
119 100
91 66.8 0.0 132.6
134 24.2 0.0 47.6

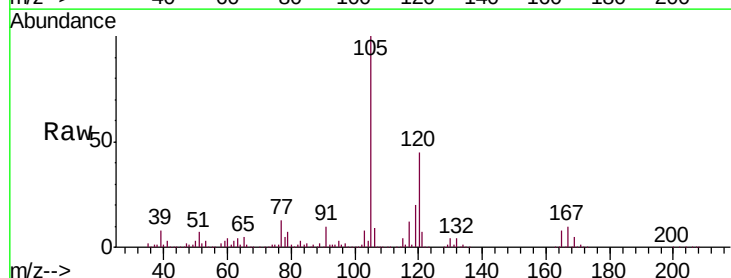


Abundance Ion 119.00 (118.70 to 119.70): V
2000000
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

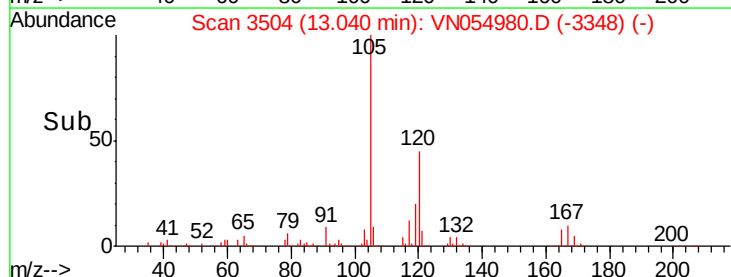
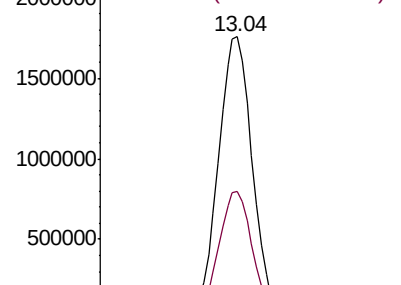


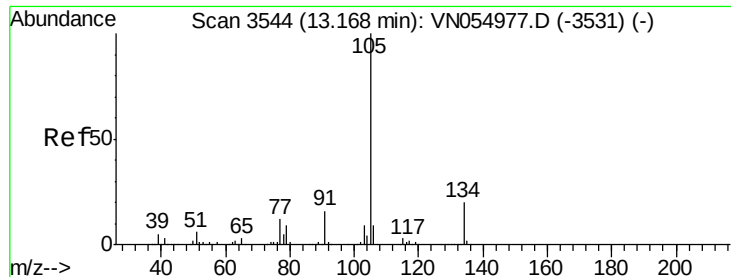
#80
1,2,4-Trimethylbenzene
Concen: 169.894 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion:105 Resp: 2822343
Ion Ratio Lower Upper
105 100
120 45.3 0.0 91.4



Abundance Ion 105.00 (104.70 to 105.70): V
2000000
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 162.034 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

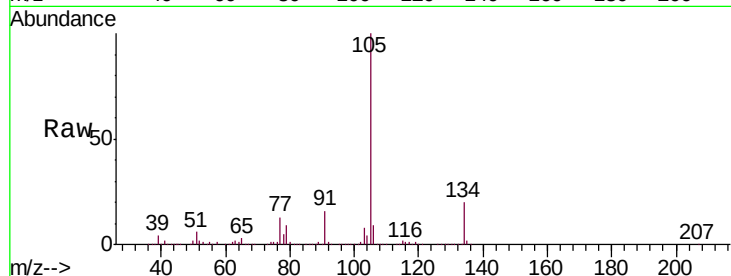
VSTDIC150

Tgt Ion:105 Resp: 3265289

Ion Ratio Lower Upper

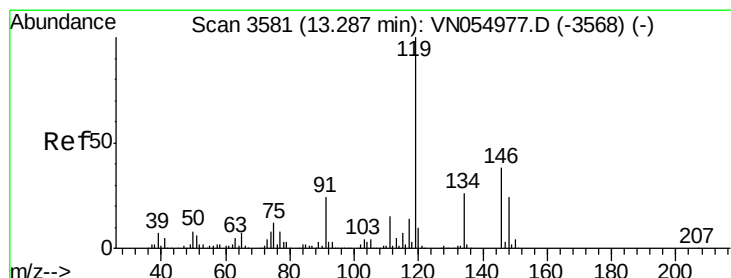
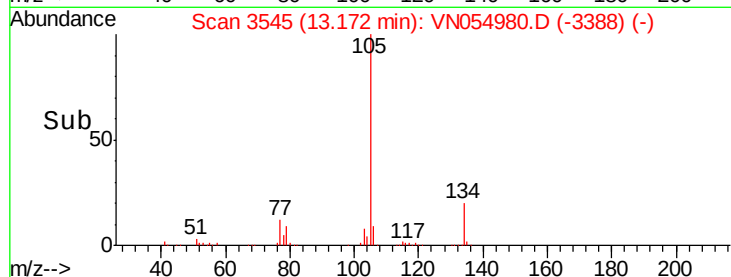
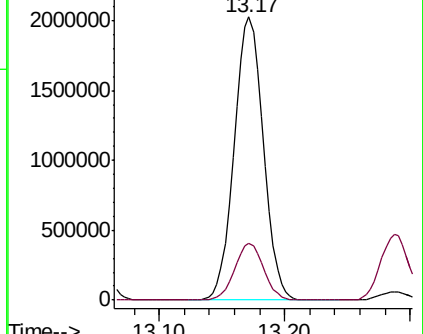
105 100

134 19.9 0.0 40.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 162.891 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

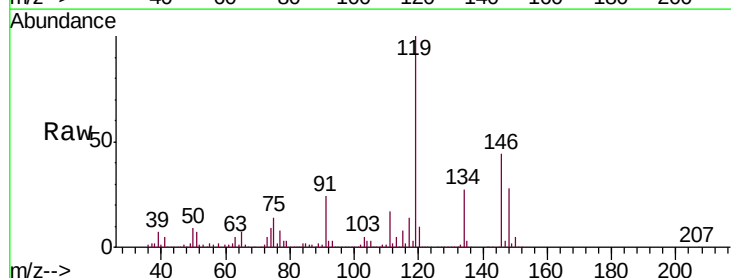
Tgt Ion:119 Resp: 2793047

Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.2

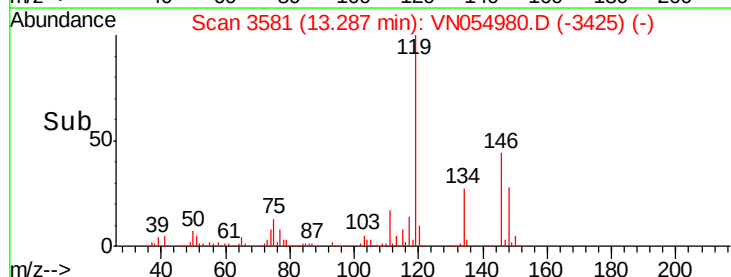
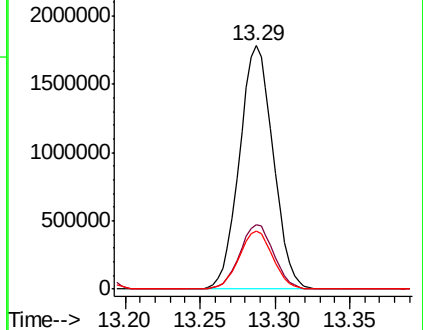
91 23.8 0.0 47.8

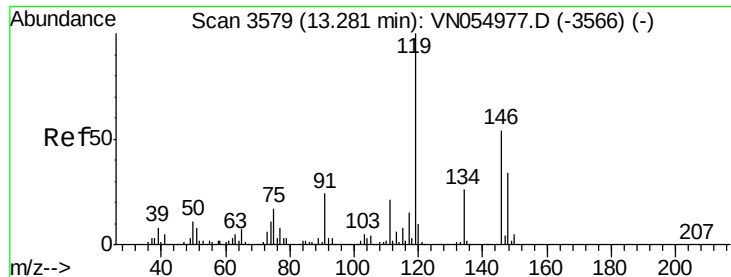


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

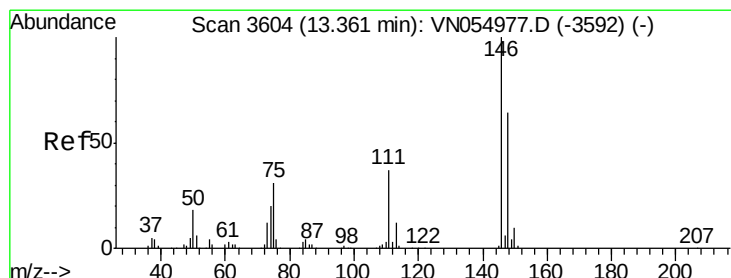
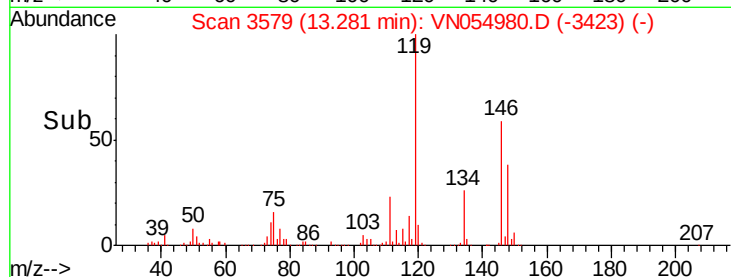
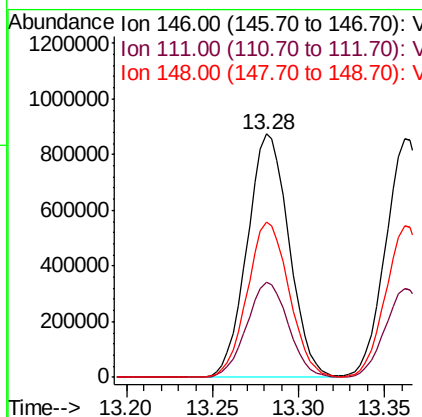
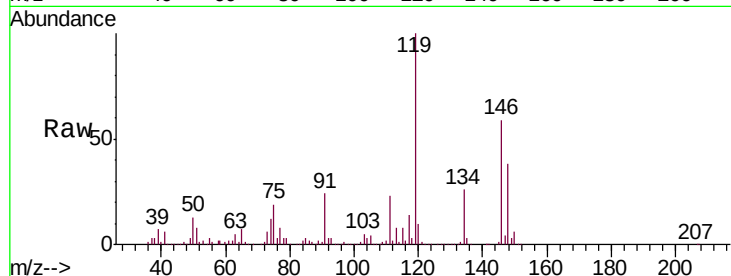




#83
 1,3-Dichlorobenzene
 Concen: 168.817 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

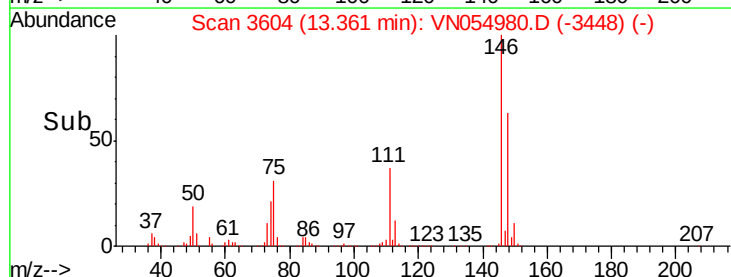
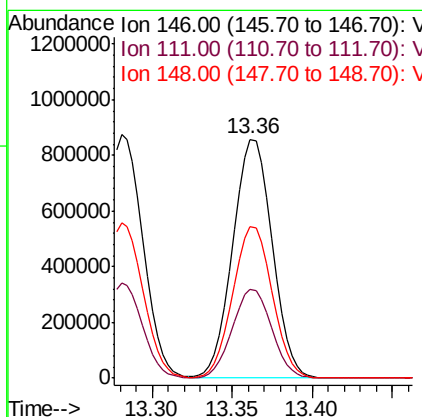
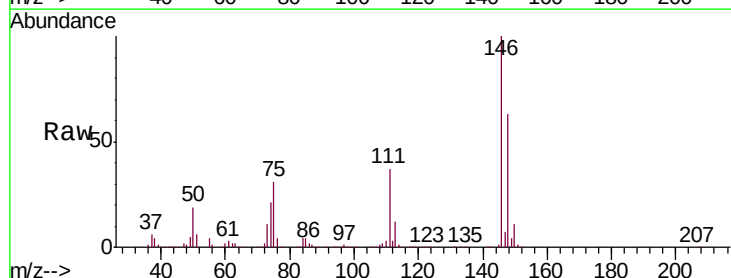
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

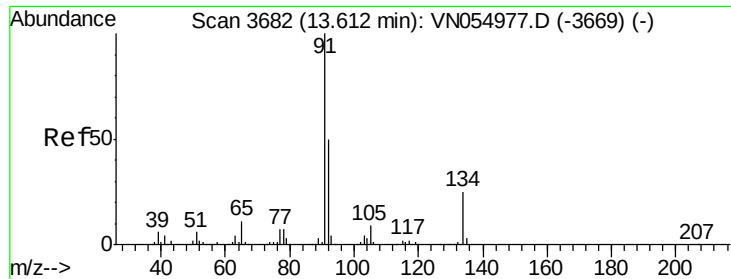
Tgt Ion:146 Resp: 1473976
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.1 57.5
 148 63.9 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 173.399 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion:146 Resp: 1442118
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.4 55.2
 148 63.3 32.5 97.4





#85

n-Butylbenzene

Concen: 165.421 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054980.D

Acq: 11 Apr 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

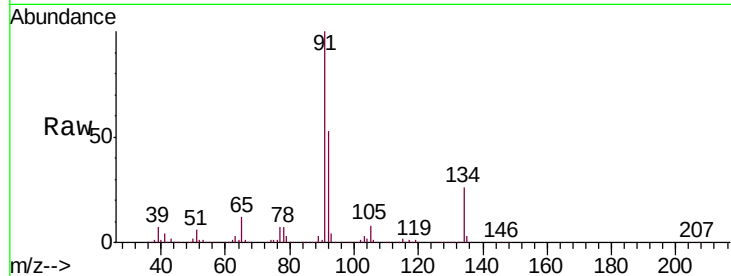
Tgt Ion: 91 Resp: 2427815

Ion Ratio Lower Upper

91 100

92 52.6 0.0 101.4

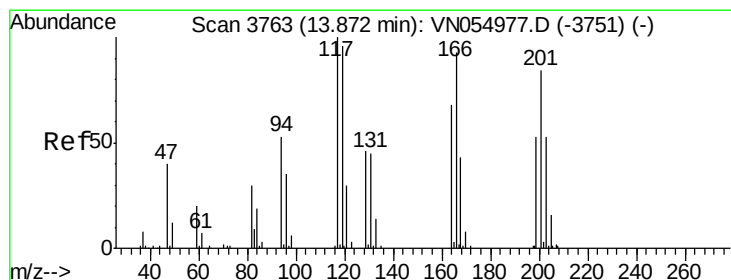
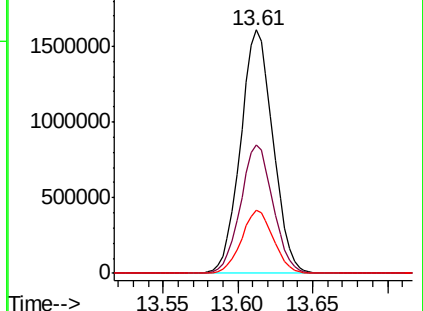
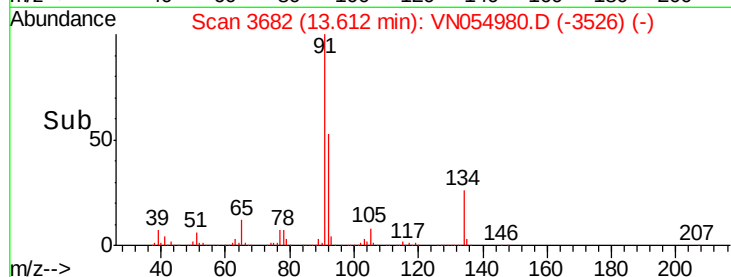
134 25.7 0.0 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN054977.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN054977.D (-3669) (-)



#86

Hexachloroethane

Concen: 151.968 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054980.D

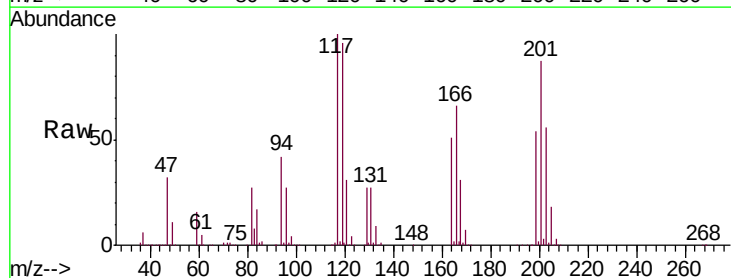
Acq: 11 Apr 2019 16:13

Tgt Ion: 117 Resp: 484889

Ion Ratio Lower Upper

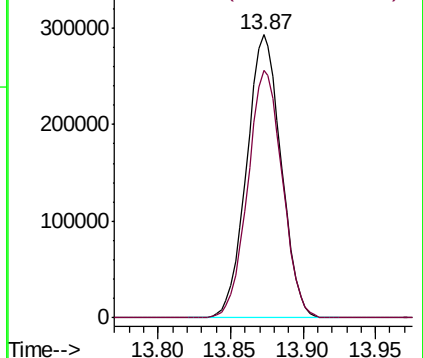
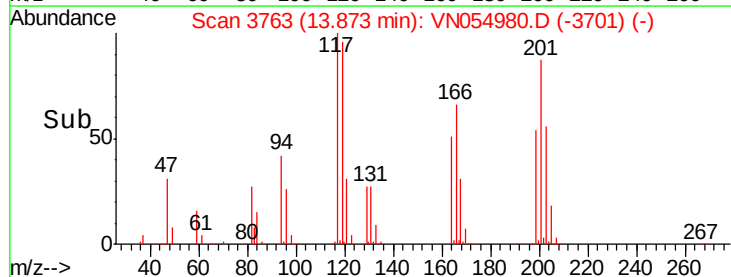
117 100

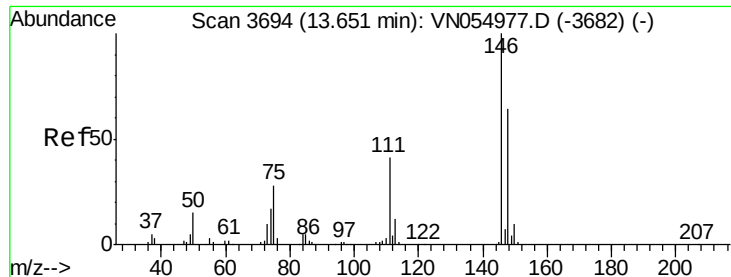
201 87.7 42.8 128.3



Abundance Ion 117.00 (116.70 to 117.70): VN054977.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN054977.D (-3751) (-)

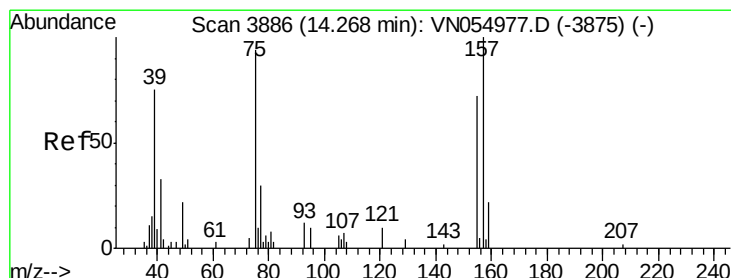
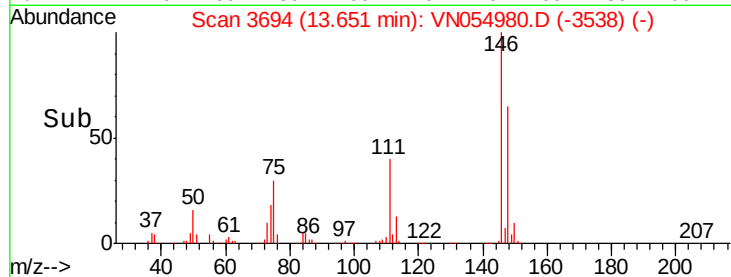
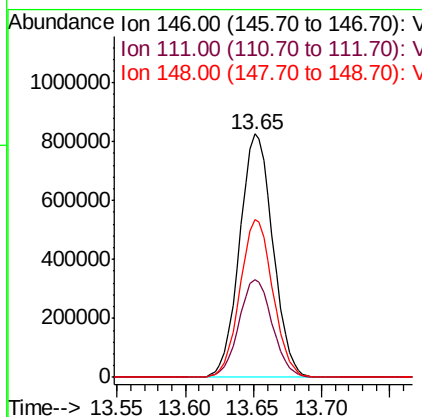
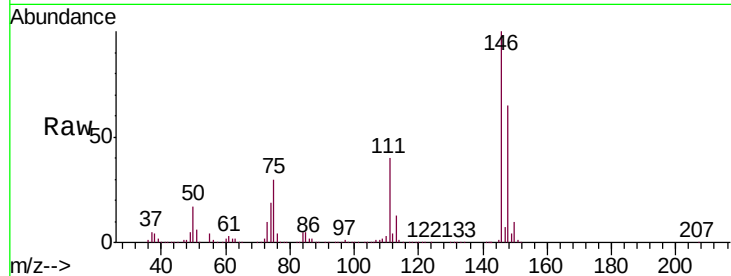




#87
 1,2-Dichlorobenzene
 Concen: 165.208 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

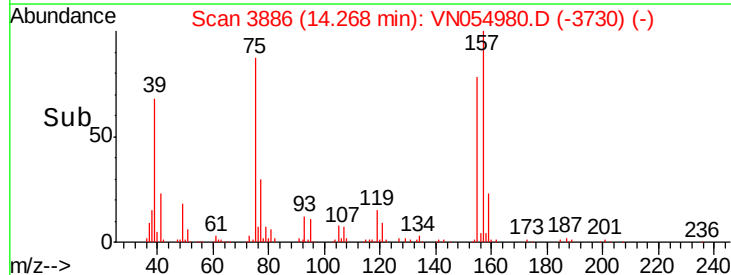
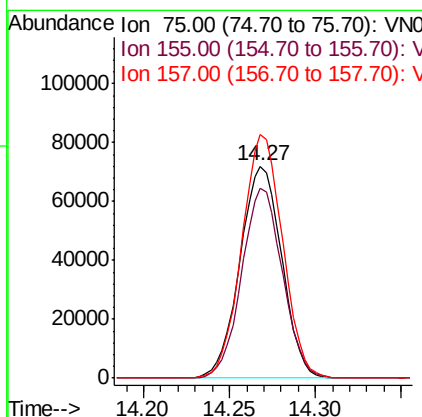
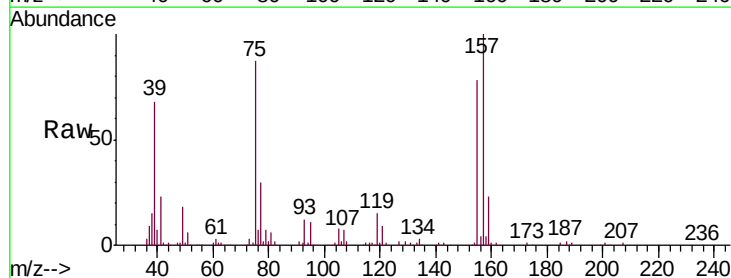
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

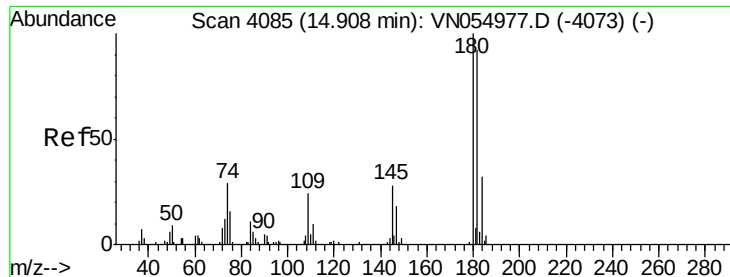
Tgt Ion:146 Resp: 1400007
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.3 60.8
 148 64.0 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 176.145 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion: 75 Resp: 121478
 Ion Ratio Lower Upper
 75 100
 155 87.3 61.8 92.8
 157 112.0 82.7 124.1

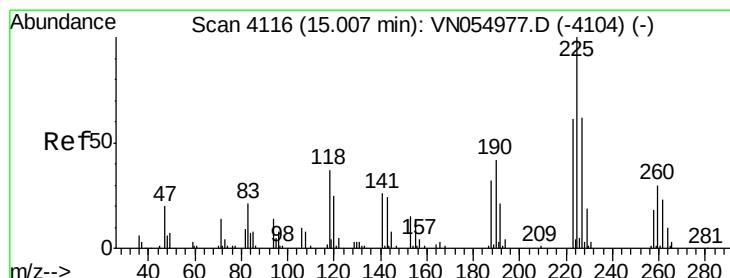
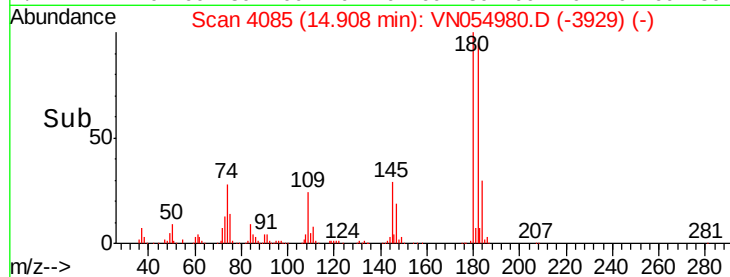
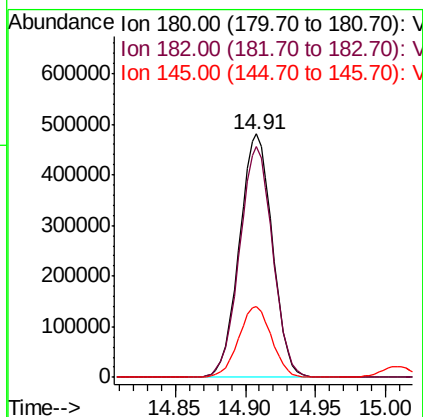
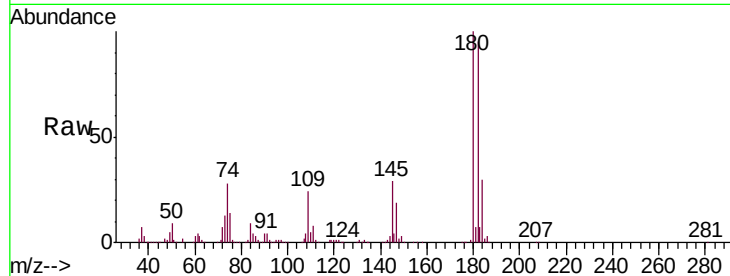




#89
 1,2,4-Trichlorobenzene
 Concen: 189.656 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

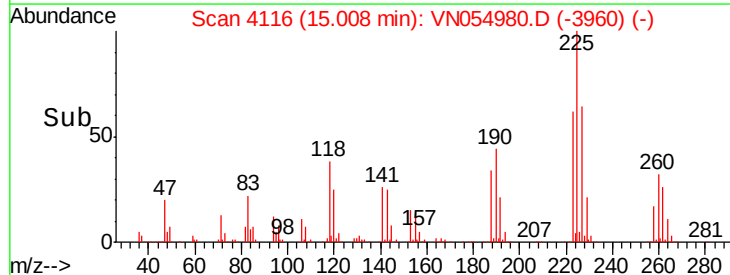
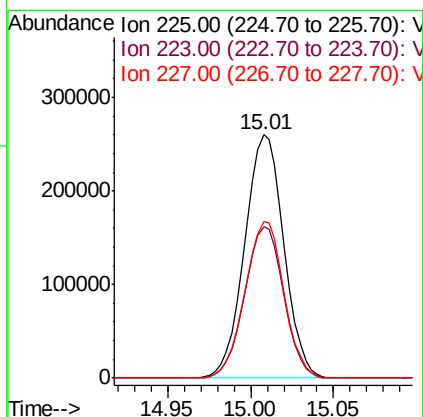
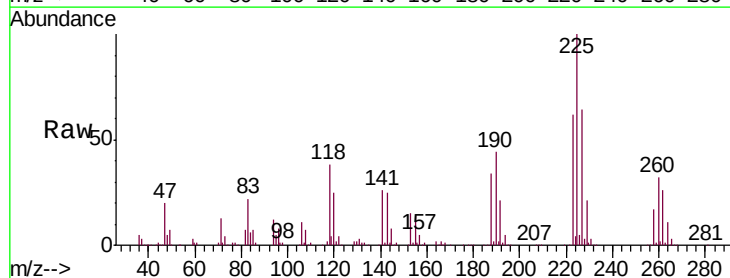
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

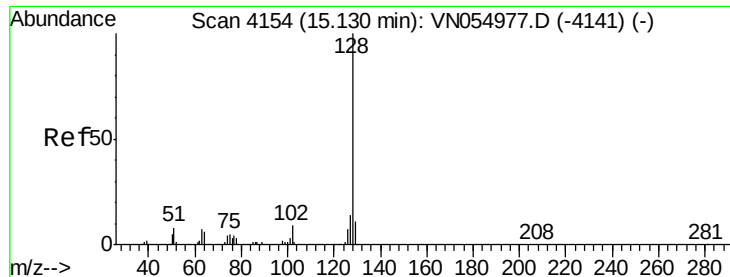
Tgt Ion:180 Resp: 786293
 Ion Ratio Lower Upper
 180 100
 182 95.3 73.2 109.8
 145 29.1 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 136.263 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054980.D
 Acq: 11 Apr 2019 16:13

Tgt Ion:225 Resp: 427151
 Ion Ratio Lower Upper
 225 100
 223 62.2 0.0 126.0
 227 64.2 0.0 125.4

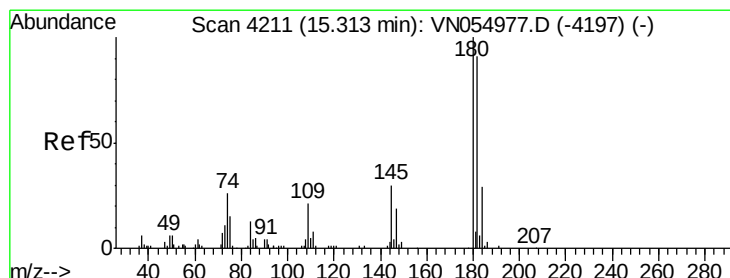
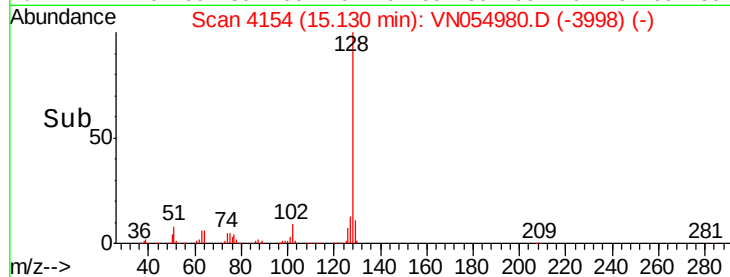
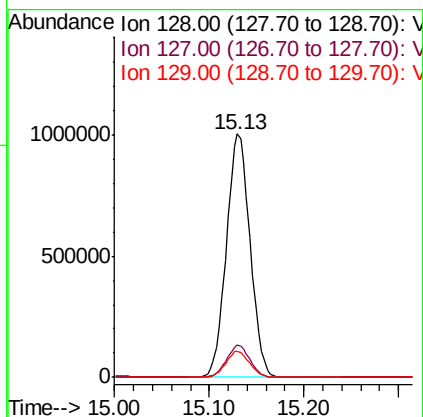
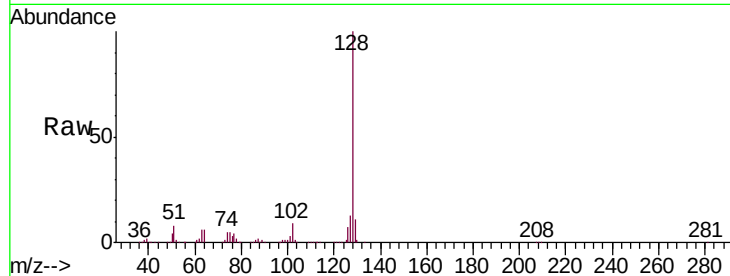




#91
Naphthalene
Concen: 211.676 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1741719
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.8 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 181.058 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054980.D
Acq: 11 Apr 2019 16:13

Tgt Ion:180 Resp: 748516
Ion Ratio Lower Upper
180 100
182 96.5 0.0 188.2
145 30.6 0.0 61.2

