

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013999.D
 Acq On : 13 Dec 2019 02:50
 Operator : JC/SP
 Sample : VX1212WBSD04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD04

Quant Time: Dec 13 04:41:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	87717	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	498071	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	453125	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	190504	30.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.10%
60) 4-Bromofluorobenzene	11.14	95	210855	28.82	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.07%
63) Toluene-d8	8.71	98	616105	30.42	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	80157	18.090	ug/l 99
3) Chloromethane	1.32	50	116453	18.647	ug/l 97
4) Vinyl Chloride	1.40	62	118673	18.537	ug/l 100
5) Bromomethane	1.63	94	84876	18.136	ug/l 98
6) Chloroethane	1.70	64	74699	18.890	ug/l 98
7) Trichlorofluoromethane	1.92	101	147212	18.479	ug/l 99
8) Diethyl Ether	2.18	74	67895	18.542	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	87534	18.424	ug/l 98
10) 1,1-Dichloroethene	2.36	96	92017	18.733	ug/l 97
11) Methyl Iodide	2.50	142	101759	16.093	ug/l 99
12) Methyl Acetate	2.77	43	136753	17.984	ug/l 99
13) Acrolein	2.28	56	100538	109.009	ug/l 99
14) Acrylonitrile	3.13	53	276093	92.877	ug/l 98
15) Acetone	2.44	58	74482	85.291	ug/l 90
16) Carbon Disulfide	2.56	76	243159	18.274	ug/l 97
17) Allyl chloride	2.72	41	156810	17.766	ug/l 98
18) Methylene Chloride	2.85	84	115688	19.221	ug/l 95
19) trans-1,2-Dichloroethene	3.16	96	96312	17.906	ug/l 94
20) Diisopropyl ether	3.84	45	330735	18.261	ug/l 96
21) 1,1-Dichloroethane	3.69	63	179717	18.284	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	113346	18.178	ug/l 99
23) tert-Butyl Alcohol	3.04	59	109289	93.732	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	303805	18.310	ug/l 98
25) Chloroform	5.20	83	171517	18.302	ug/l 98
26) Cyclohexane	5.57	56	159686	18.219	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	128492	17.860	ug/l 99
30) 2-Butanone	4.66	43	380859	89.813	ug/l 100
31) 2,2-Dichloropropane	4.57	77	109796	16.498	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	143402	18.021	ug/l 99
33) Carbon Tetrachloride	5.77	117	119354	17.644	ug/l 96
34) Benzene	6.13	78	412434	18.385	ug/l 99
35) Methacrylonitrile	5.03	41	82849	18.165	ug/l 98
36) 1,2-Dichloroethane	6.19	62	140409	18.018	ug/l 99
37) Trichloroethene	7.21	130	108300	17.742	ug/l 98
38) Methylcyclohexane	7.46	83	153673	17.907	ug/l 99
39) 1,2-Dichloropropane	7.51	63	105009	18.023	ug/l 92
40) Dibromomethane	7.65	93	67241	18.065	ug/l 98

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 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	7.89	83	127953	17.754	ug/l	99
42) Vinyl Acetate	3.80	43	1401575	93.615	ug/l	100
43) Ethyl Acetate	4.82	43	154153	18.945	ug/l	100
44) Isopropyl Acetate	6.44	43	243226	17.847	ug/l	99
45) 1,4-Dioxane	7.73	88	49741	389.749	ug/l	99
46) Methyl methacrylate	7.76	41	118533	17.906	ug/l	97
47) n-amyl Acetate	10.89	43	208851	17.235	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	136126	17.305	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	154920	17.513	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	104343	18.165	ug/l	99
51) Ethyl methacrylate	9.17	69	161247	17.647	ug/l	98
52) 1,3-Dichloropropane	9.37	76	174476	17.877	ug/l	96
53) Dibromochloromethane	9.58	129	102187	17.791	ug/l	99
54) 1,2-Dibromoethane	9.67	107	107085	18.106	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	400316	99.388	ug/l	99
56) Bromoform	10.86	173	73849	16.487	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	771700	91.022	ug/l	99
59) 2-Hexanone	9.49	43	579767	90.109	ug/l	99
61) Tetrachloroethene	9.33	164	105534	17.605	ug/l	95
62) Toluene	8.78	91	438604	18.200	ug/l	100
64) Chlorobenzene	10.14	112	270821	17.937	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	98339	17.590	ug/l	98
66) Ethyl Benzene	10.25	91	477778	18.116	ug/l	100
67) m/p-Xylenes	10.36	106	362748	35.980	ug/l	99
68) o-Xylene	10.70	106	177739	17.796	ug/l	99
69) Styrene	10.71	104	299449	17.631	ug/l	99
70) Isopropylbenzene	11.01	105	462683	17.927	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	162563	17.761	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	170739	20.957	ug/l	90
73) Bromobenzene	11.25	156	122594	17.793	ug/l	99
74) n-propylbenzene	11.35	91	524152	17.905	ug/l	100
75) 2-Chlorotoluene	11.42	91	316555	17.896	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	389577	17.793	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	43546	16.185	ug/l	97
78) 4-Chlorotoluene	11.51	91	352061	17.418	ug/l	98
79) tert-butylbenzene	11.76	119	372533	17.652	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	387881	17.717	ug/l	100
81) sec-Butylbenzene	11.94	105	437855	17.443	ug/l	99
82) p-Isopropyltoluene	12.06	119	398215	17.579	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	207922	17.314	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	208491	17.435	ug/l	98
85) n-Butylbenzene	12.39	91	317413	16.666	ug/l	100
86) Hexachloroethane	12.59	117	70089	17.056	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	216344	17.736	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	32354	17.735	ug/l	99
89) 1,2,4-Trichlorobenzene	13.64	180	129491	16.610	ug/l	98
90) Hexachlorobutadiene	13.78	225	63790	17.214	ug/l	99
91) Naphthalene	13.83	128	402401	17.173	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	138222	17.480	ug/l	98

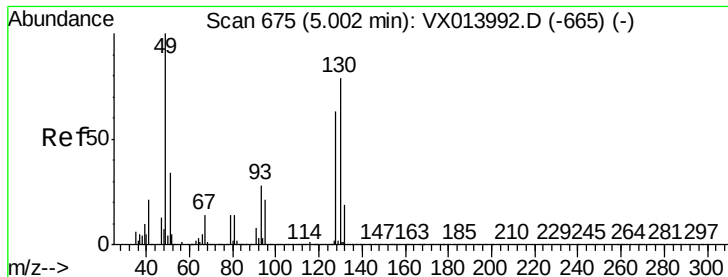
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QLast Update : Fri Dec 13 01:35:34 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD04

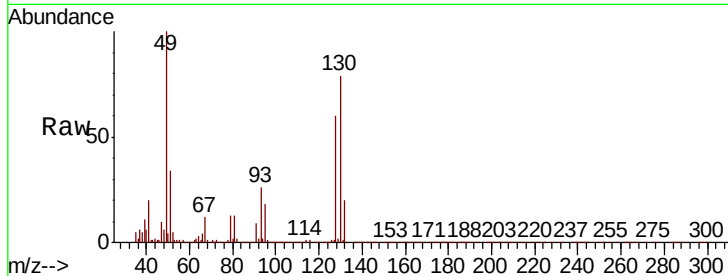
Tot Ion:128 Resp: 87717

Ion Ratio Lower Upper

128 100

49 166.6 0.0 405.0

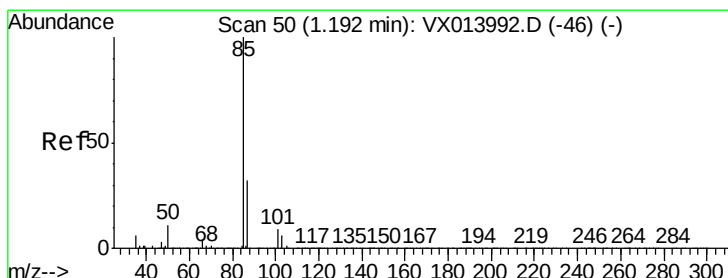
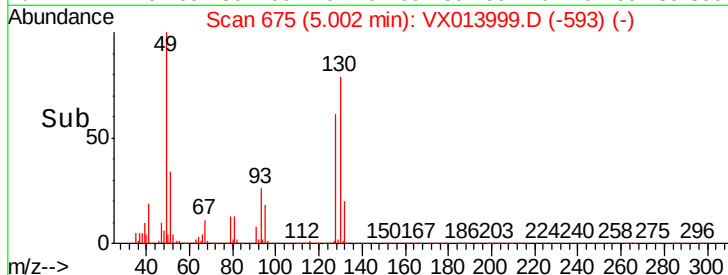
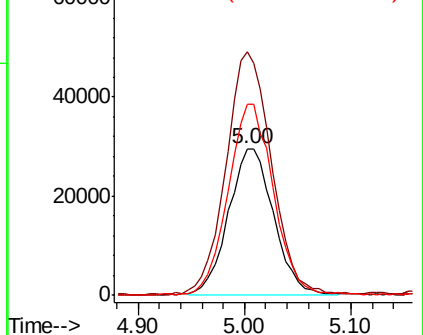
130 130.4 0.0 321.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.090 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013999.D

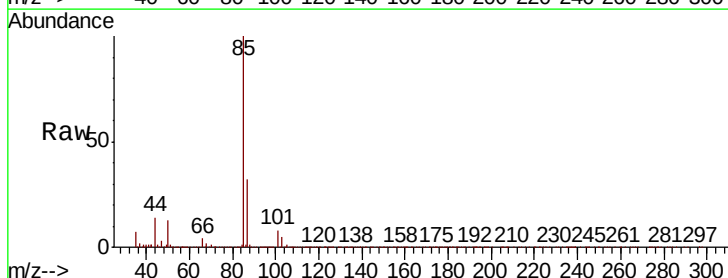
Acq: 13 Dec 2019 02:50

Tgt Ion: 85 Resp: 80157

Ion Ratio Lower Upper

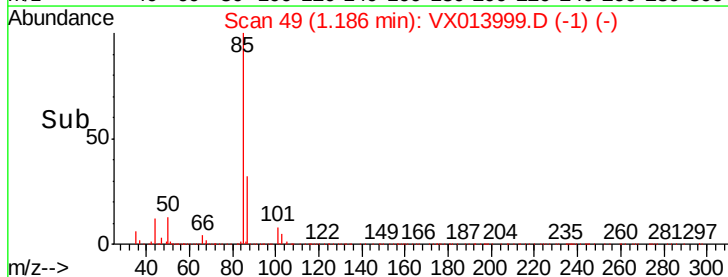
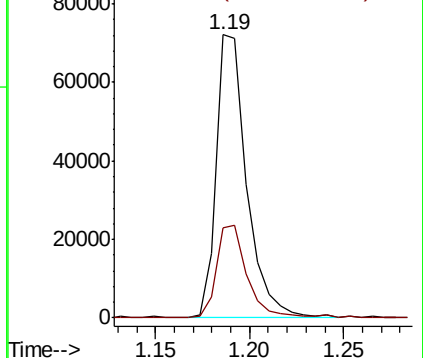
85 100

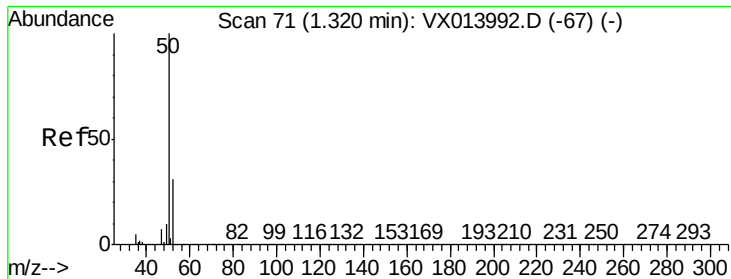
87 31.9 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 18.647 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

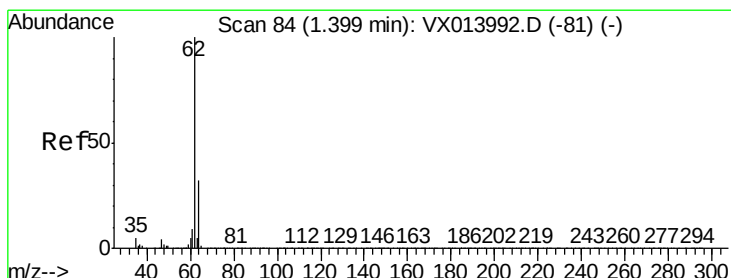
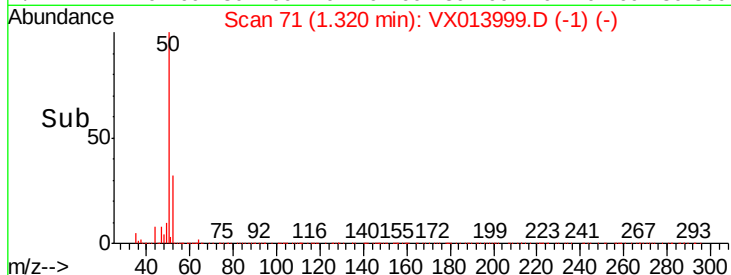
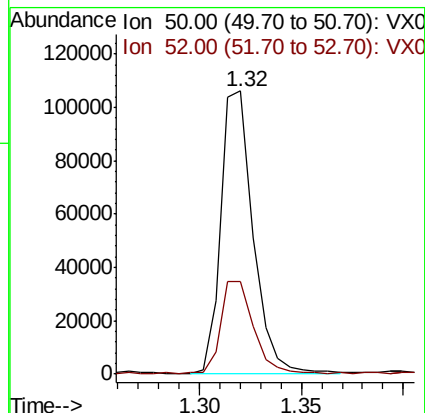
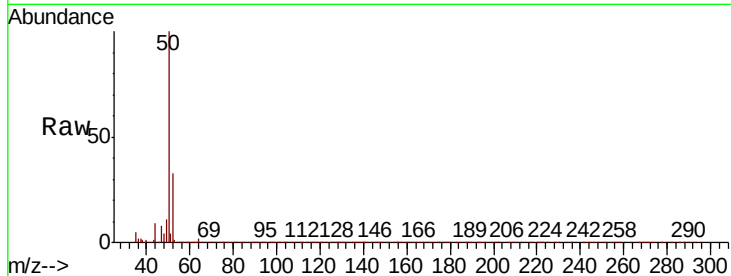
VX1212WBSD04

Tot Ion: 50 Resp: 116453

Ion Ratio Lower Upper

50 100

52 32.2 24.3 36.5



#4

Vinyl Chloride

Concen: 18.537 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013999.D

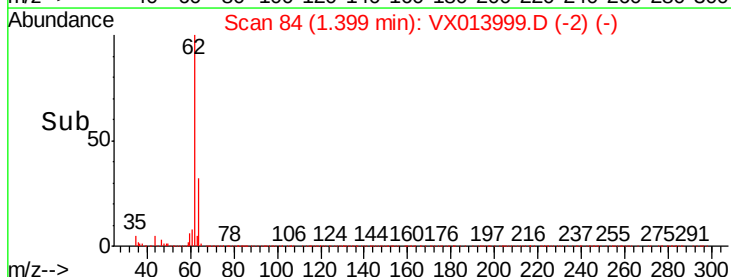
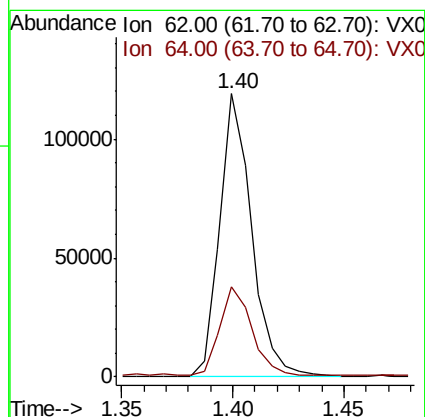
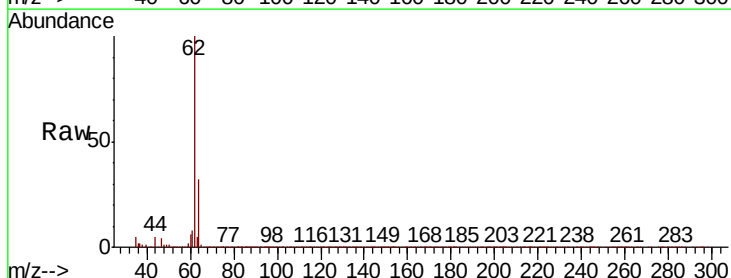
Acq: 13 Dec 2019 02:50

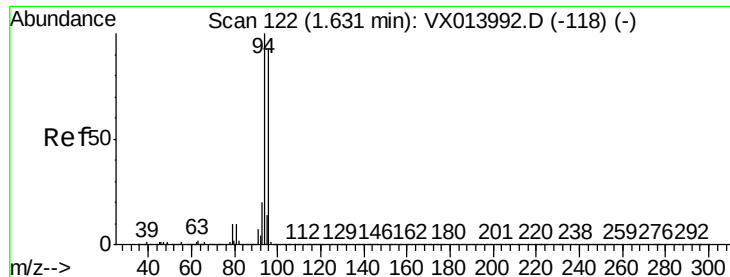
Tgt Ion: 62 Resp: 118673

Ion Ratio Lower Upper

62 100

64 31.4 25.2 37.8





#5

Bromomethane

Concen: 18.136 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

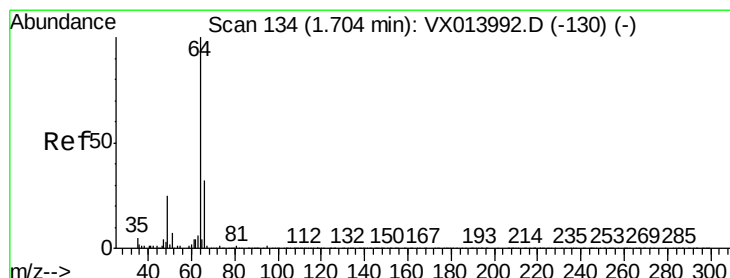
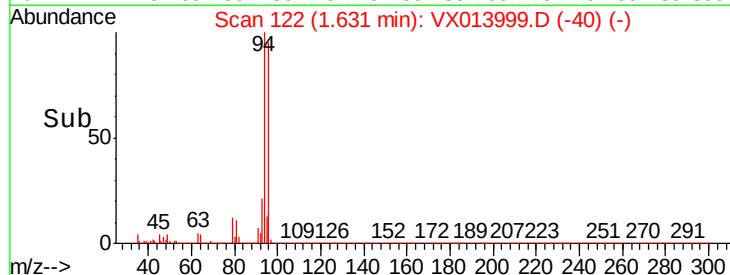
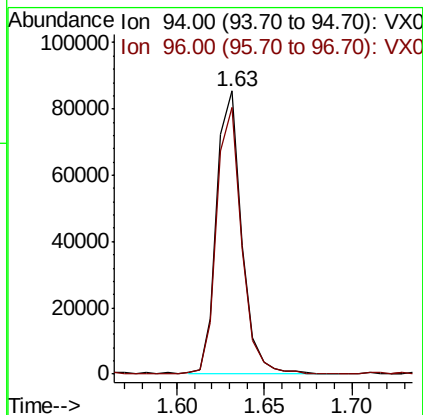
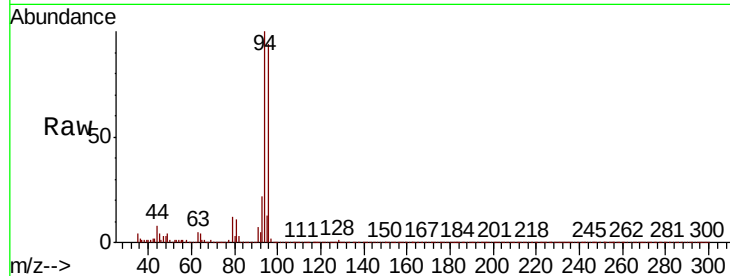
VX1212WBSD04

Tot Ion: 94 Resp: 84876

Ion Ratio Lower Upper

94 100

96 94.6 74.4 111.6



#6

Chloroethane

Concen: 18.890 ug/l

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX013999.D

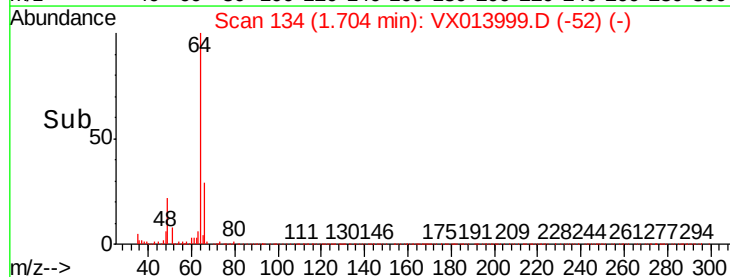
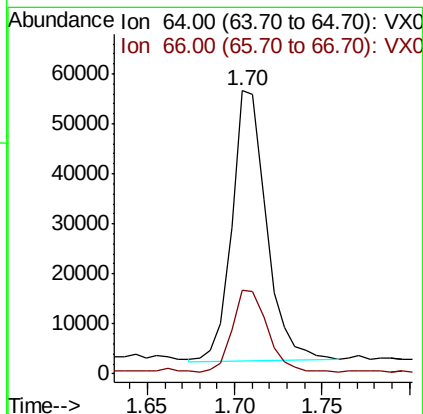
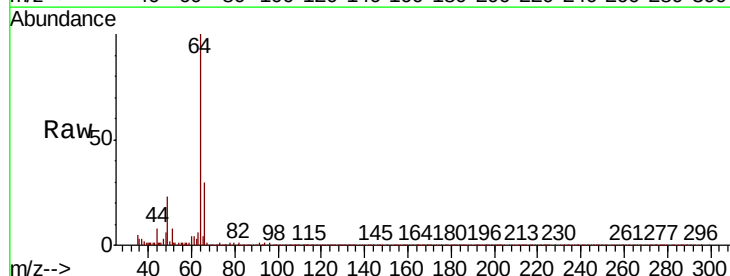
Acq: 13 Dec 2019 02:50

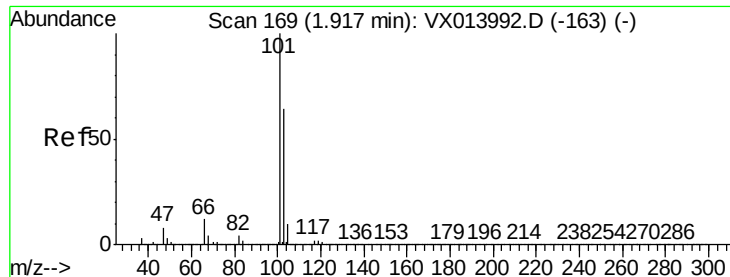
Tgt Ion: 64 Resp: 74699

Ion Ratio Lower Upper

64 100

66 30.5 25.2 37.8



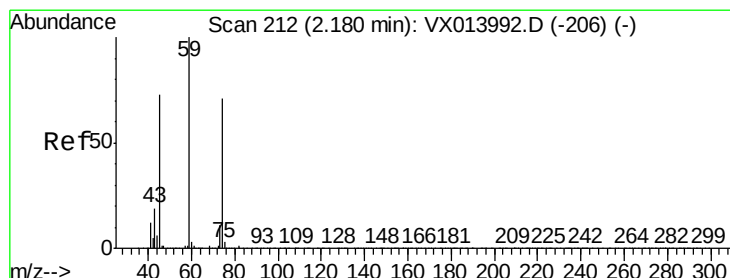
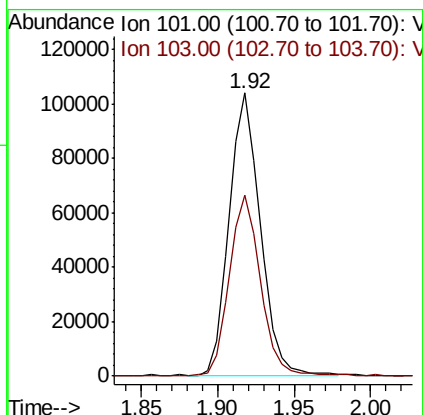
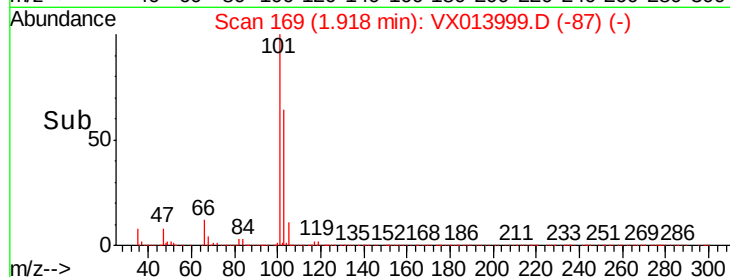
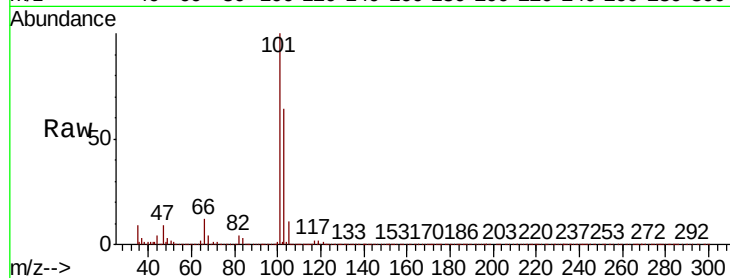


#7

Trichlorofluoromethane
 Concen: 18.479 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD04

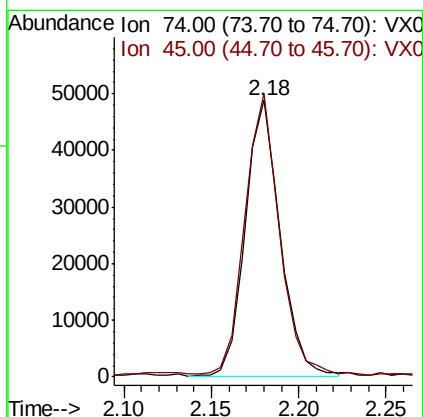
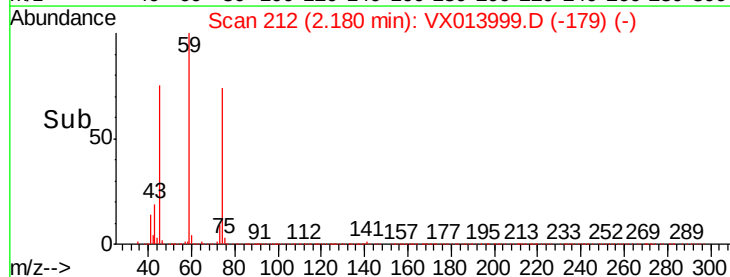
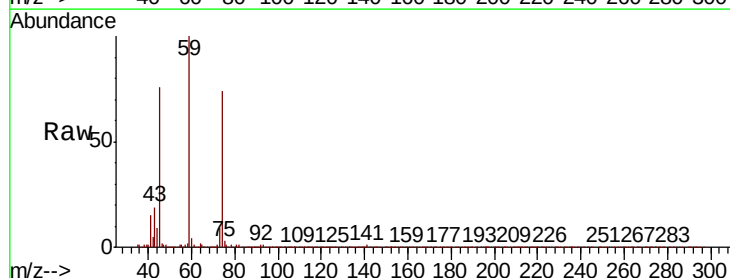
Tot Ion:101 Resp: 147212
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.6 77.4

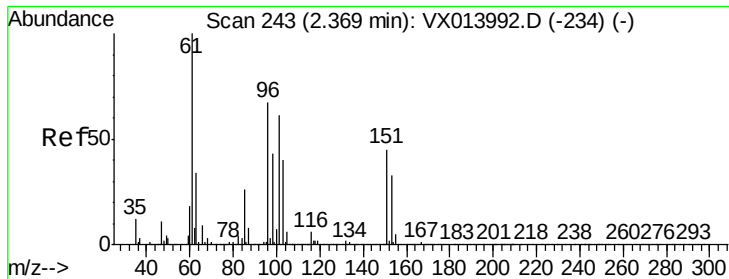


#8

Diethyl Ether
 Concen: 18.542 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

Tgt Ion: 74 Resp: 67895
 Ion Ratio Lower Upper
 74 100
 45 100.0 20.6 185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.424 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD04

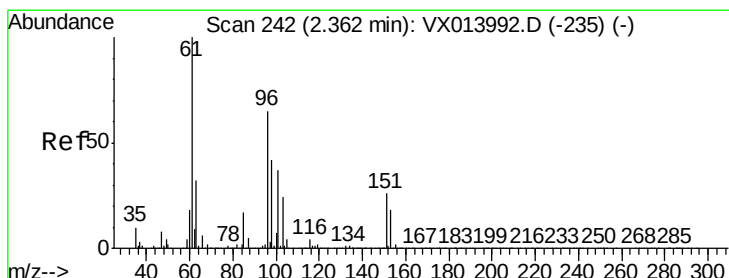
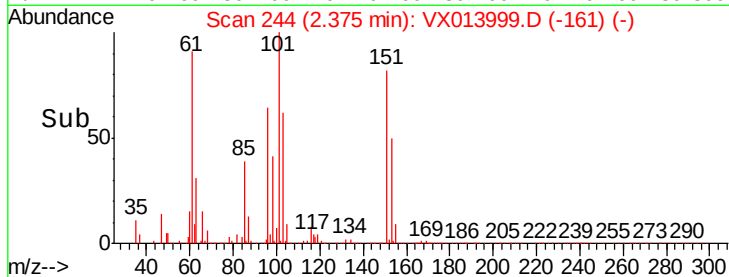
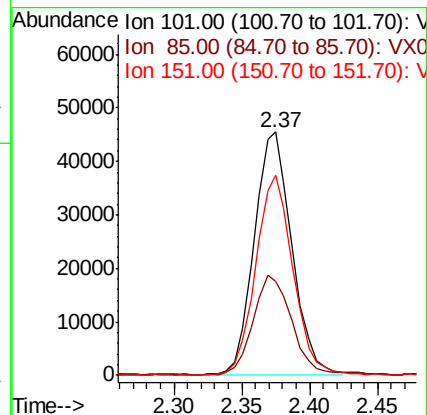
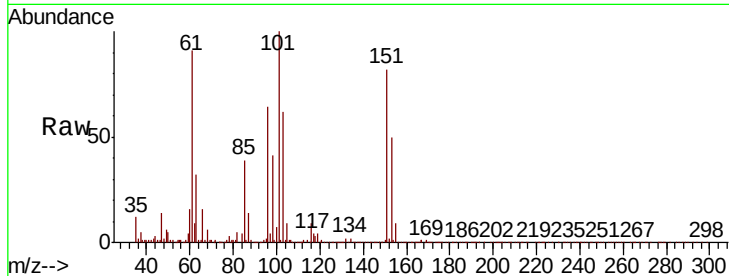
Tot Ion:101 Resp: 87534

Ion Ratio Lower Upper

101 100

85 42.0 0.0 85.6

151 81.6 0.0 159.4



#10

1,1-Dichloroethene

Concen: 18.733 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

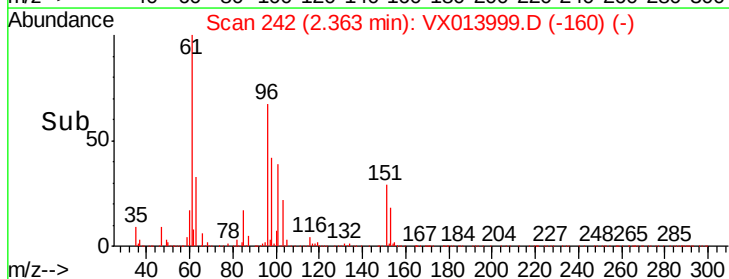
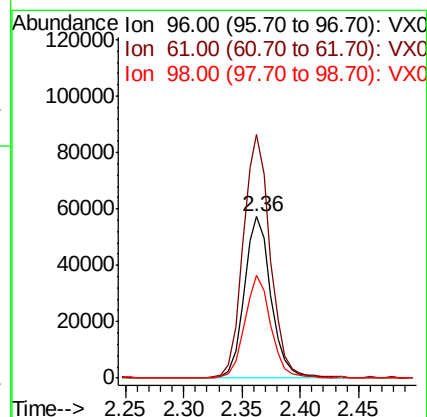
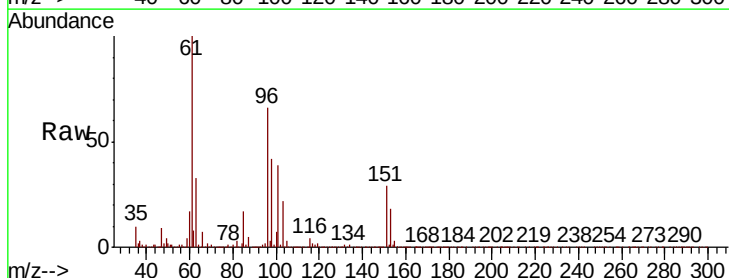
Tgt Ion: 96 Resp: 92017

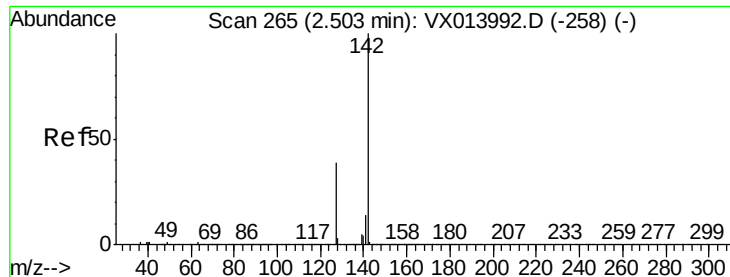
Ion Ratio Lower Upper

96 100

61 149.9 123.0 184.6

98 62.8 51.4 77.0

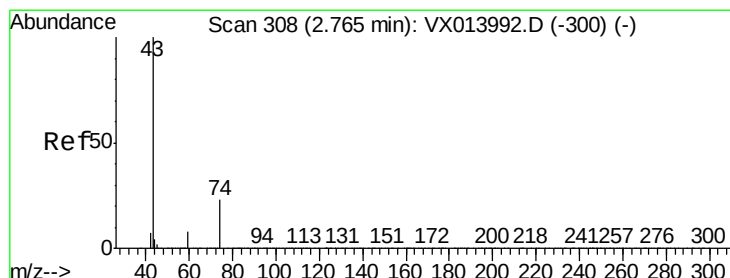
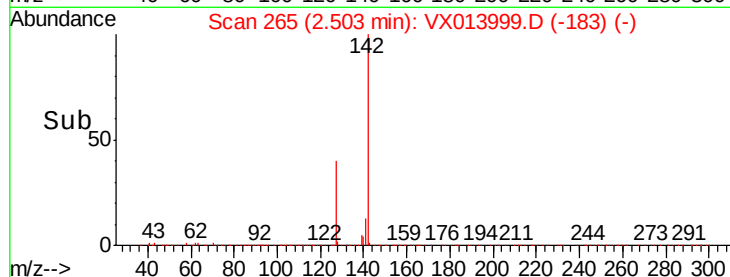
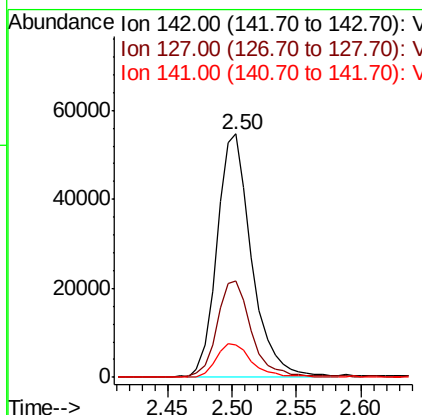
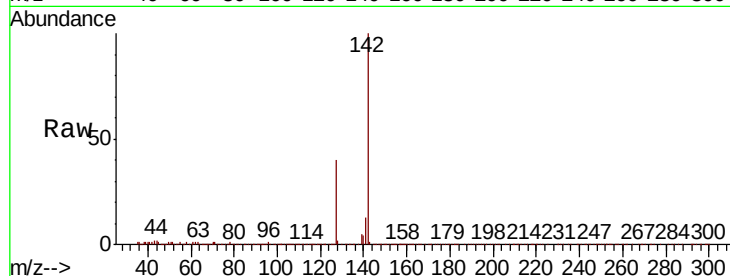




#11
Methvl Iodide
Concen: 16.093 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

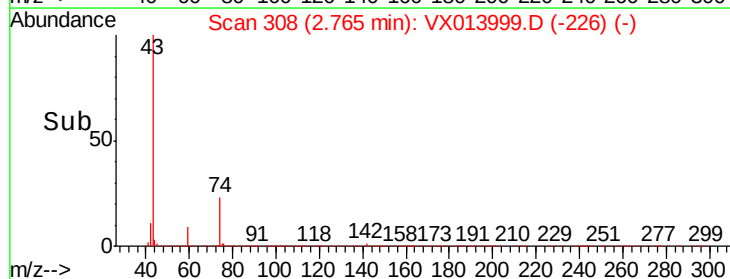
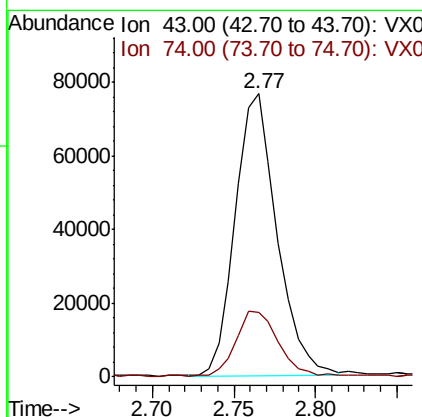
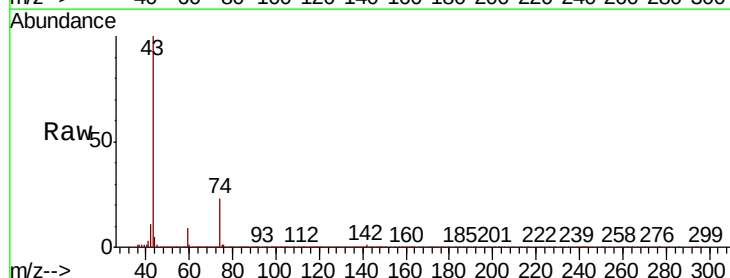
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

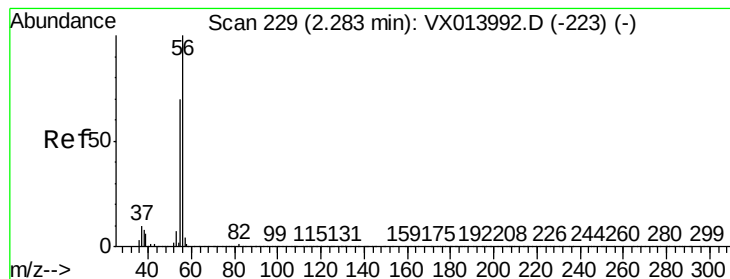
Tot Ion:142 Resp: 101759
Ion Ratio Lower Upper
142 100
127 39.2 19.5 58.5
141 13.2 7.0 20.9



#12
Methyl Acetate
Concen: 17.984 ug/l
RT: 2.77 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion: 43 Resp: 136753
Ion Ratio Lower Upper
43 100
74 22.8 18.5 27.7





#13

Acrolein

Concen: 109.009 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

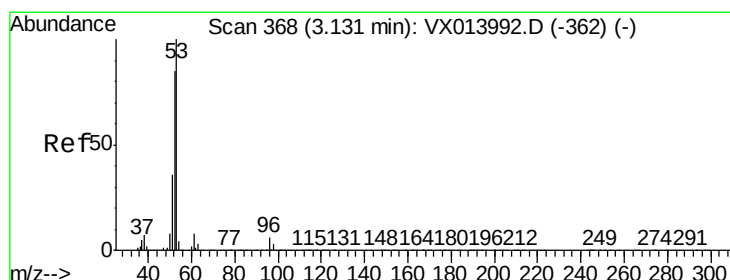
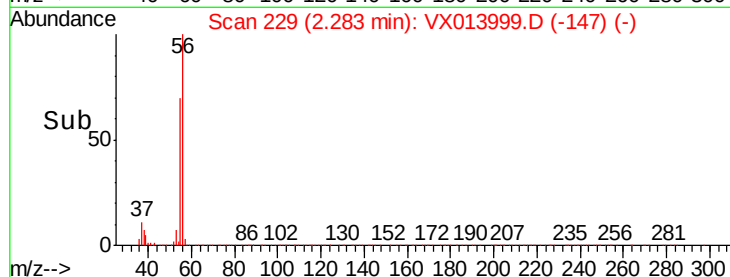
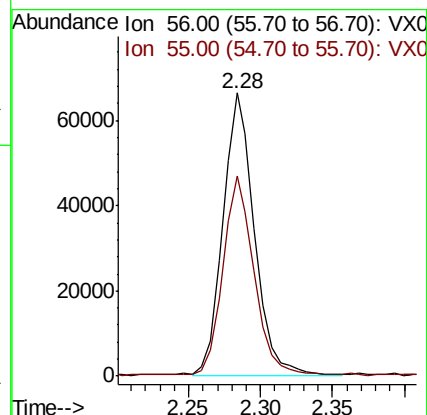
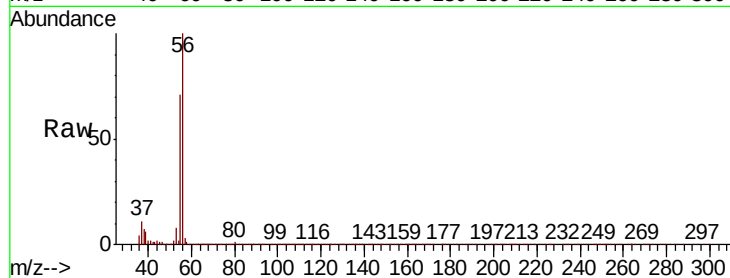
VX1212WBSD04

Tot Ion: 56 Resp: 100538

Ion Ratio Lower Upper

56 100

55 69.6 54.9 82.3



#14

Acrylonitrile

Concen: 92.877 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

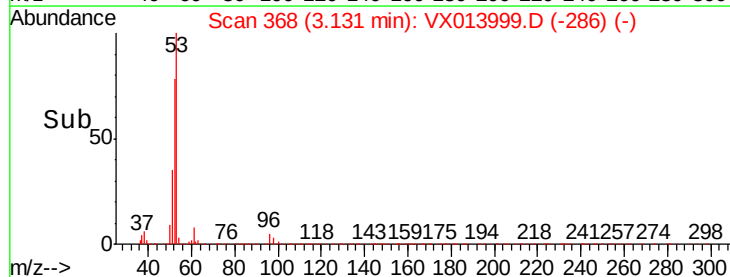
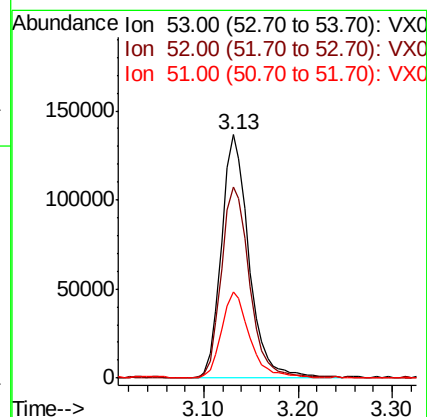
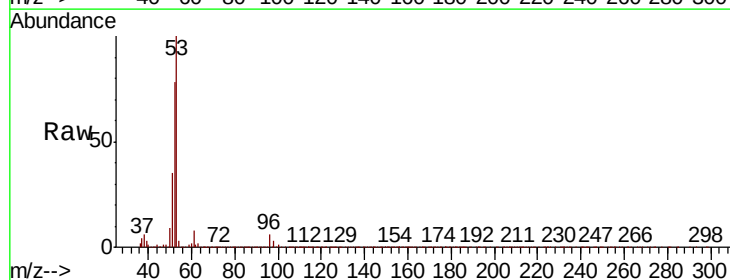
Tgt Ion: 53 Resp: 276093

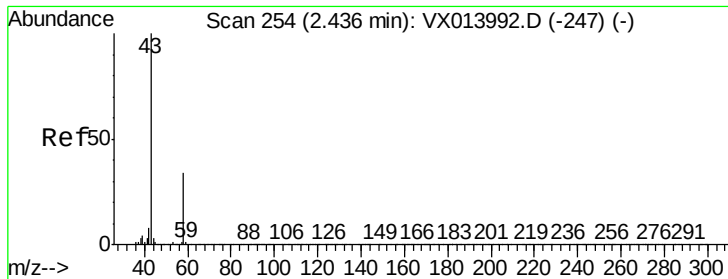
Ion Ratio Lower Upper

53 100

52 80.8 41.5 124.6

51 35.8 17.8 53.5

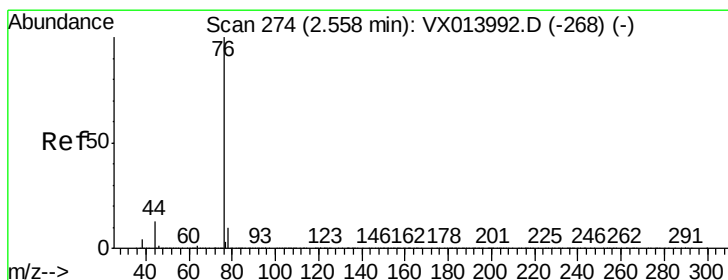
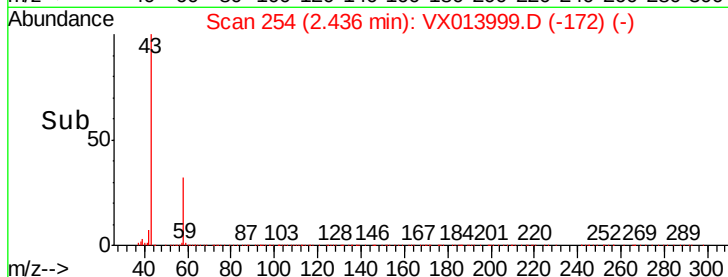
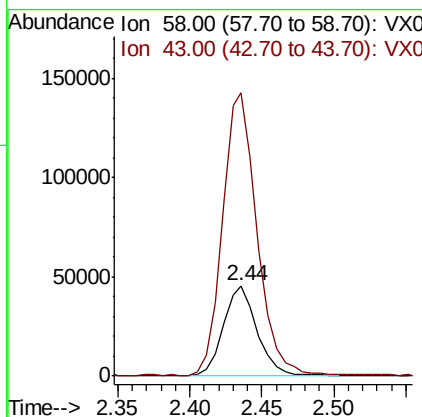
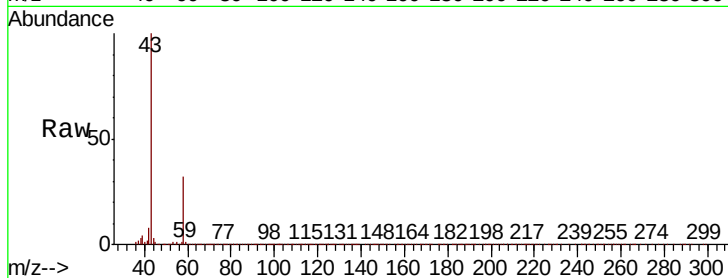




#15
Acetone
Concen: 85.291 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

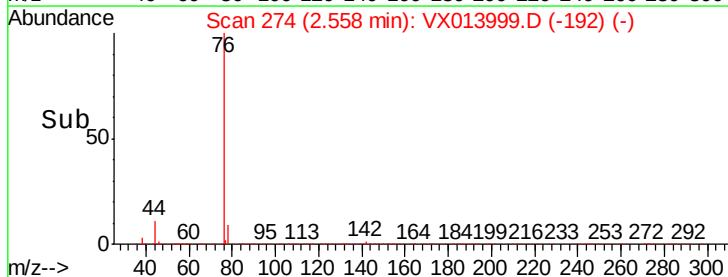
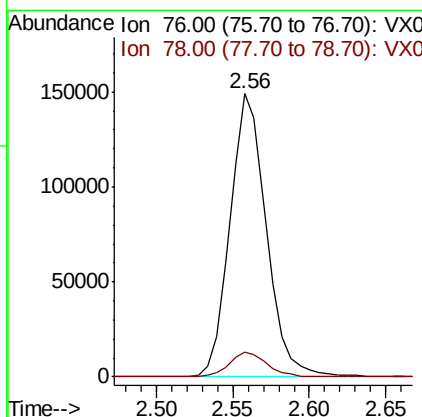
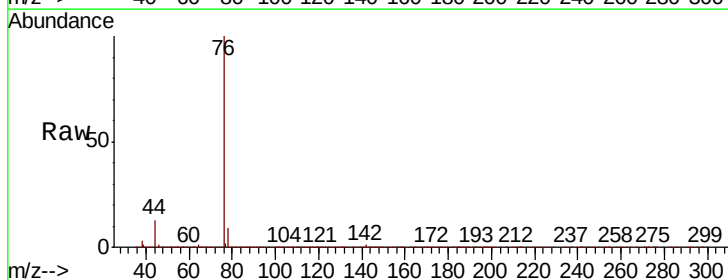
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

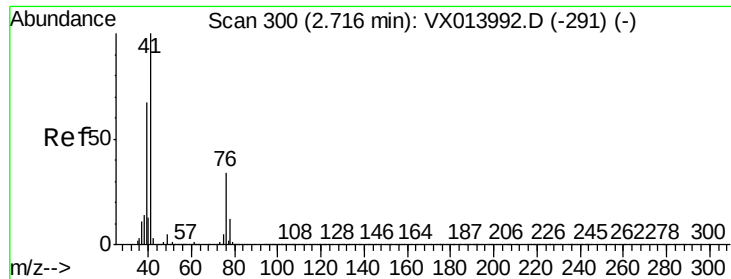
Tot Ion: 58 Resp: 74482
Ion Ratio Lower Upper
58 100
43 314.4 236.3 354.5



#16
Carbon Disulfide
Concen: 18.274 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion: 76 Resp: 243159
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.8

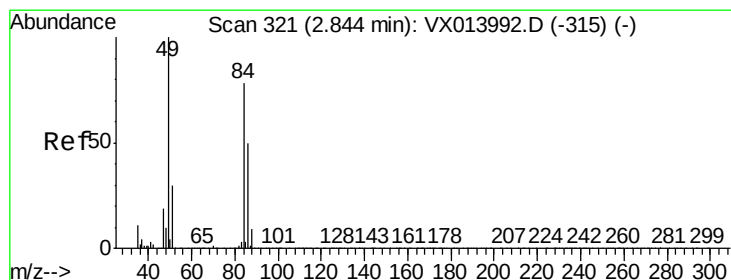
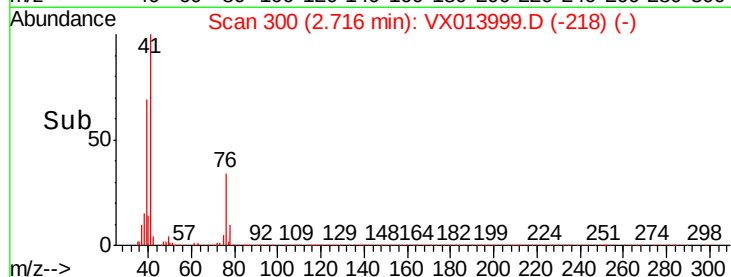
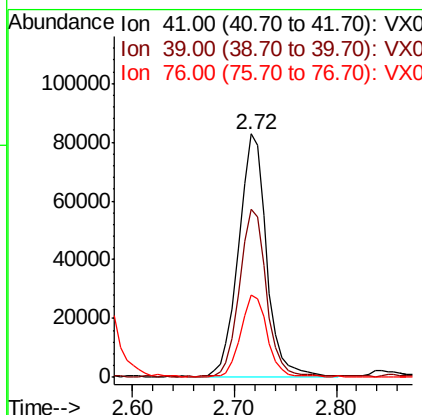
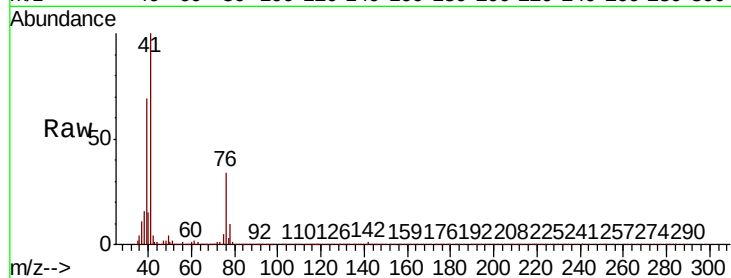




#17
Allvl chloride
Concen: 17.766 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

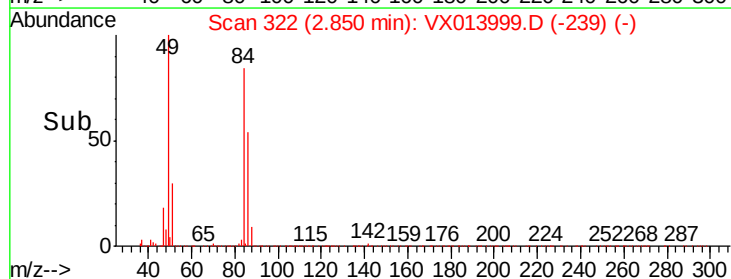
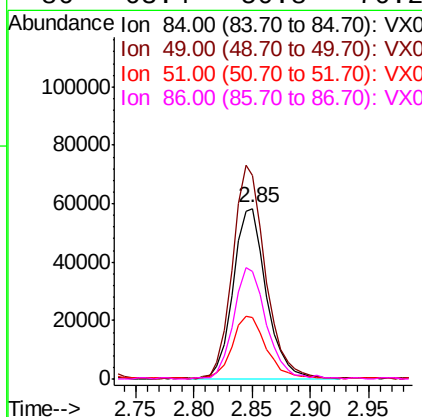
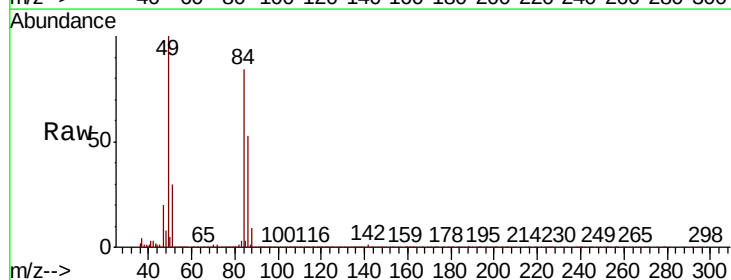
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

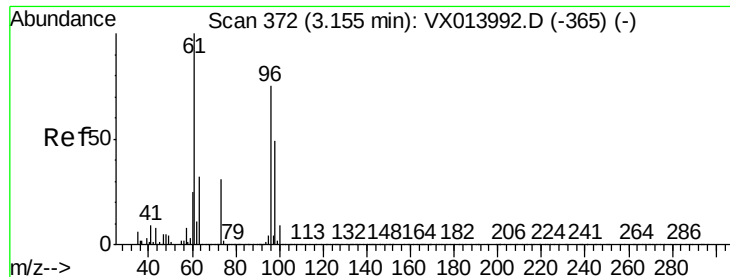
Tot Ion: 41 Resp: 156810
Ion Ratio Lower Upper
41 100
39 68.6 33.4 100.2
76 33.5 17.0 50.9



#18
Methylene Chloride
Concen: 19.221 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion: 84 Resp: 115688
Ion Ratio Lower Upper
84 100
49 119.2 102.2 153.2
51 36.0 31.4 47.0
86 63.4 50.8 76.2





#19

trans-1,2-Dichloroethene

Concen: 17.906 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD04

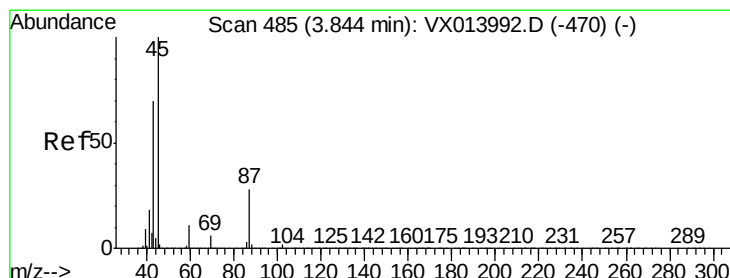
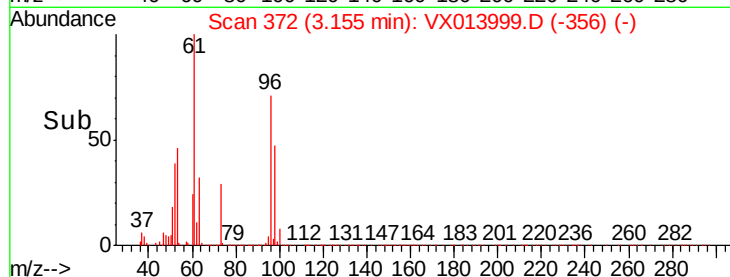
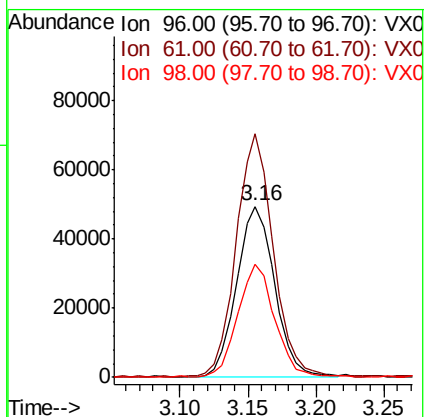
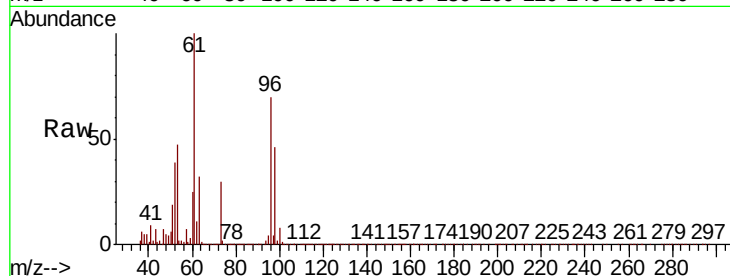
Tot Ion: 96 Resp: 96312

Ion Ratio Lower Upper

96 100

61 142.1 106.6 159.8

98 65.6 51.6 77.4



#20

Diisopropyl ether

Concen: 18.261 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Tgt Ion: 45 Resp: 330735

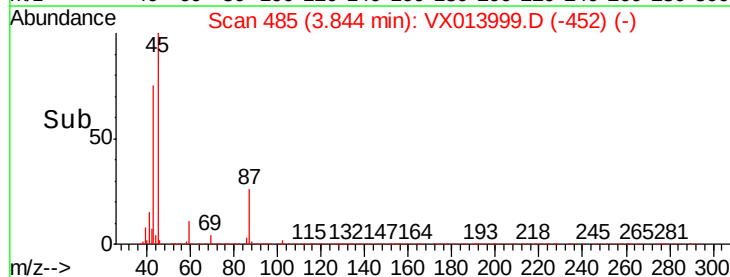
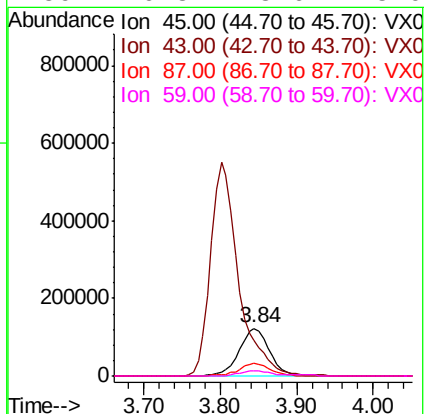
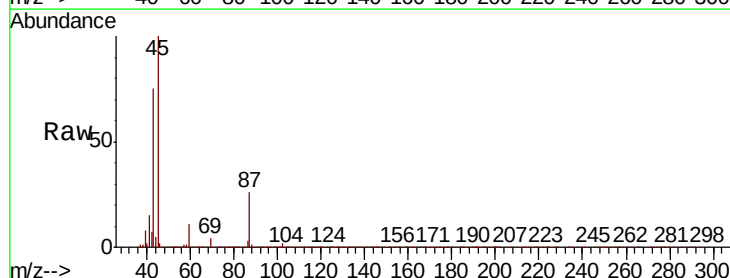
Ion Ratio Lower Upper

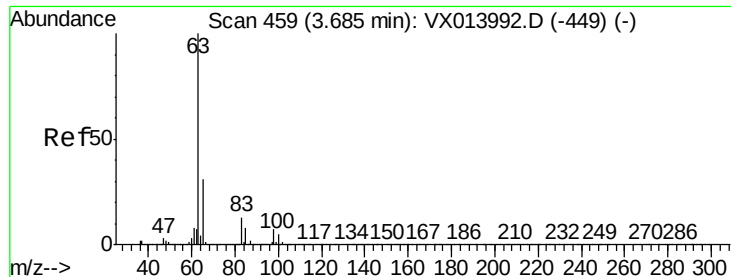
45 100

43 73.9 55.9 83.9

87 26.0 22.2 33.2

59 10.8 8.6 13.0





#21

1,1-Dichloroethane

Concen: 18.284 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD04

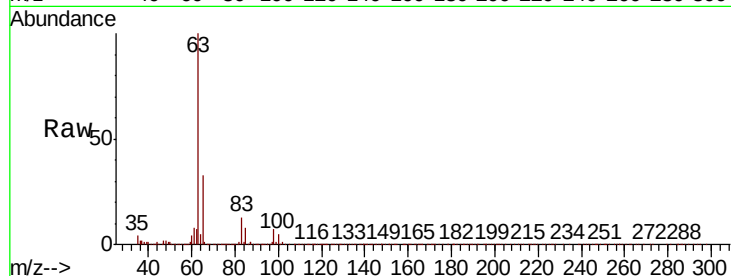
Tot Ion: 63 Resp: 179717

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

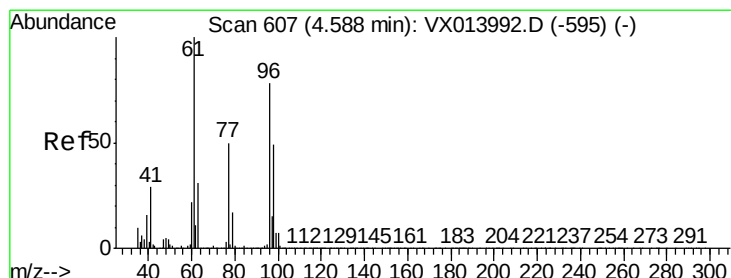
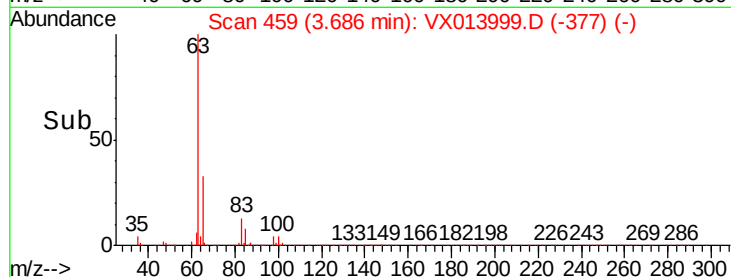
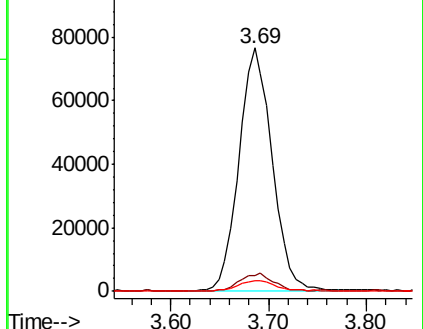
100 4.4 2.5 7.4



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 18.178 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

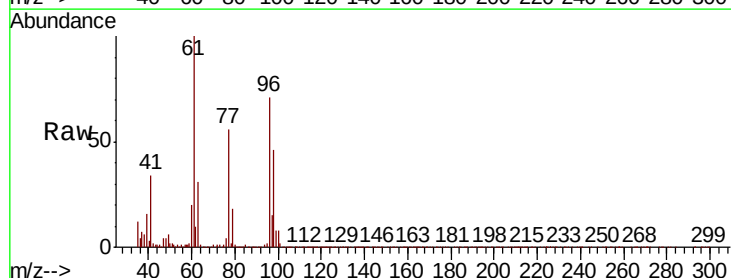
Tgt Ion: 96 Resp: 113346

Ion Ratio Lower Upper

96 100

61 138.7 112.4 168.6

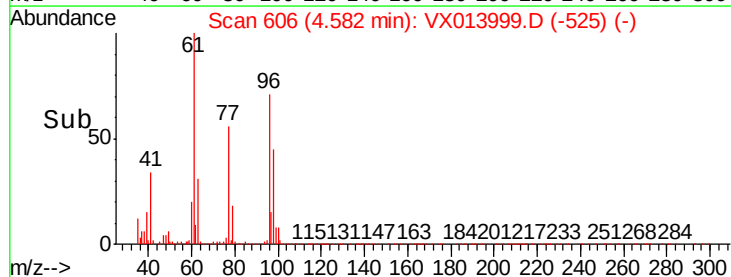
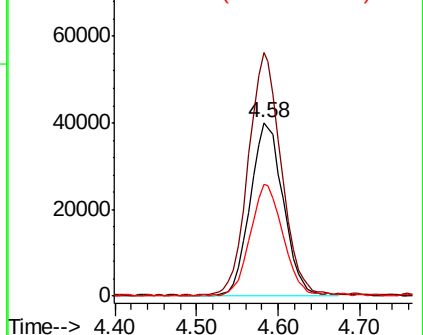
98 63.8 50.3 75.5

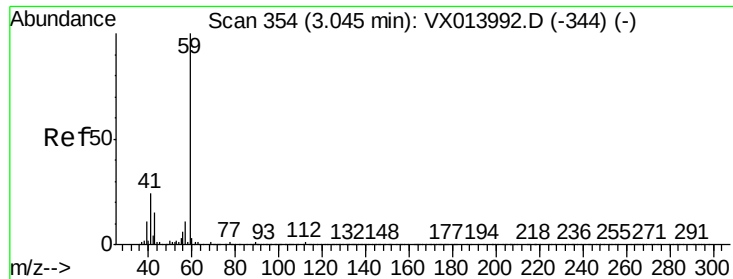


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



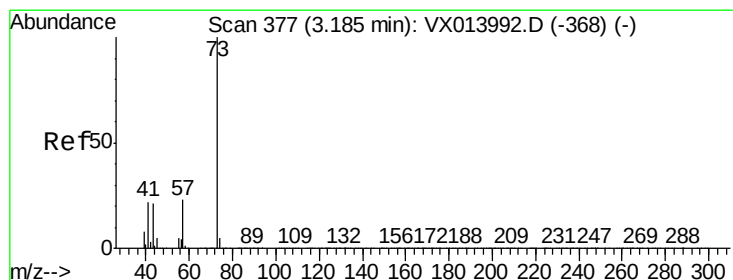
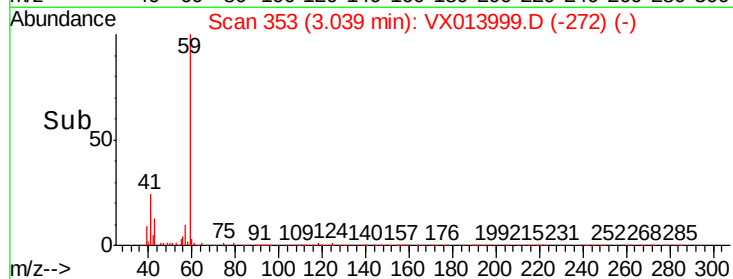
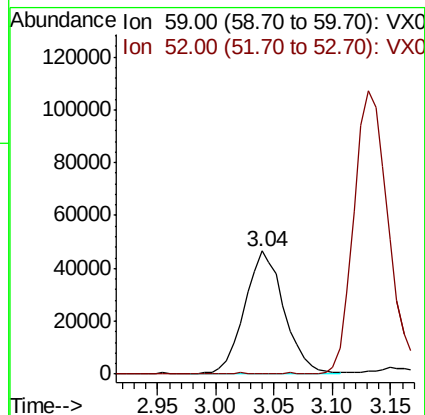
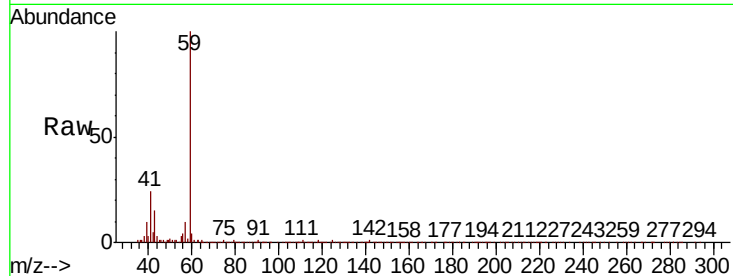


#23

tert-Butyl Alcohol
 Concen: 93.732 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD04

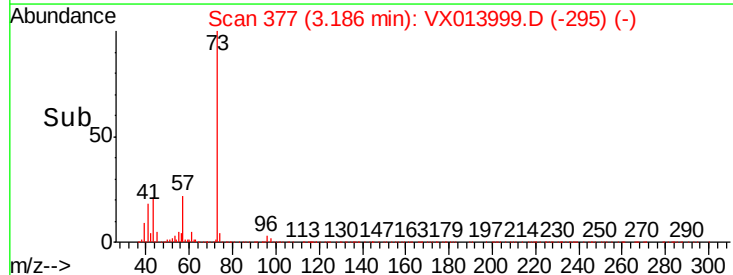
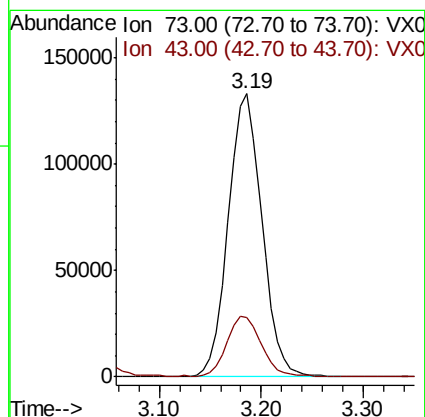
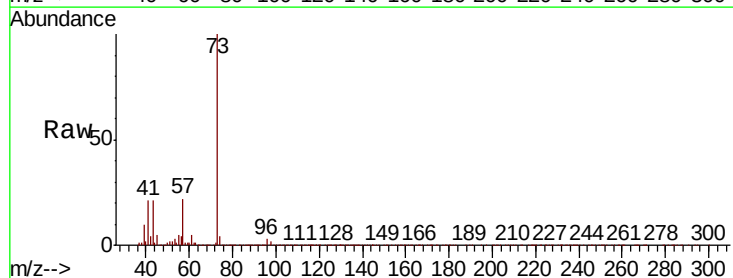
Tot Ion: 59 Resp: 109289
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.2 0.2#

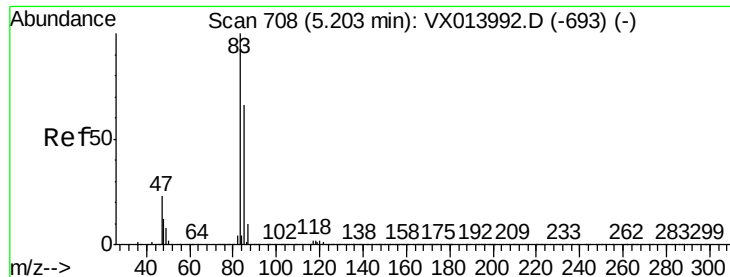


#24

Methyl tert-Butyl Ether
 Concen: 18.310 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

Tgt Ion: 73 Resp: 303805
 Ion Ratio Lower Upper
 73 100
 43 21.9 16.6 25.0

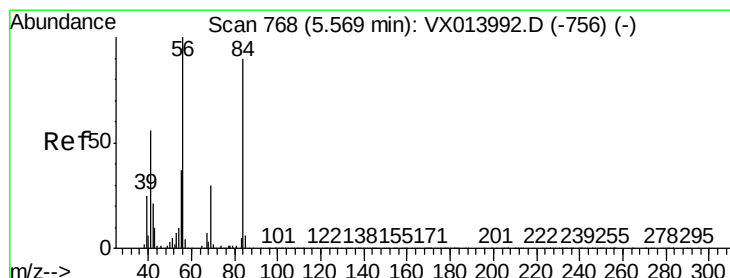
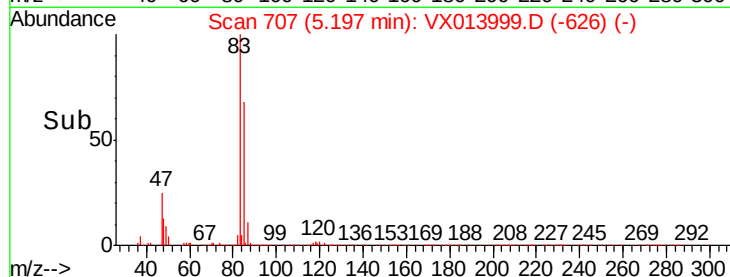
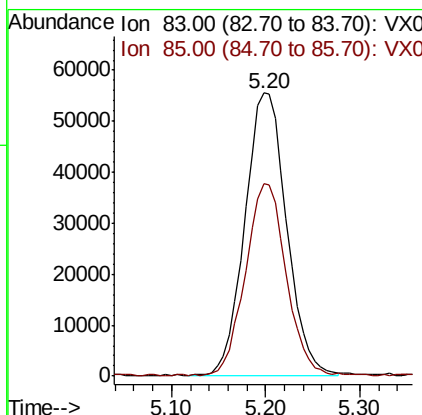
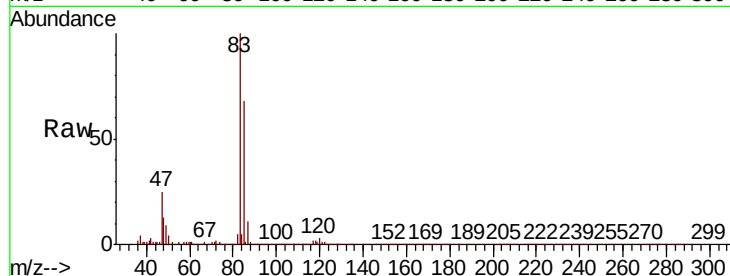




#25
Chloroform
Concen: 18.302 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

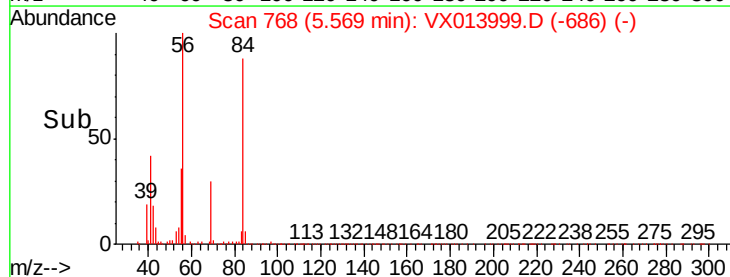
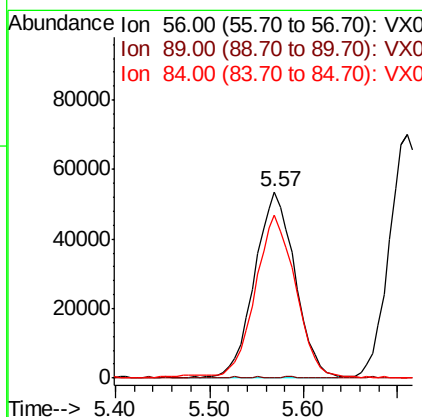
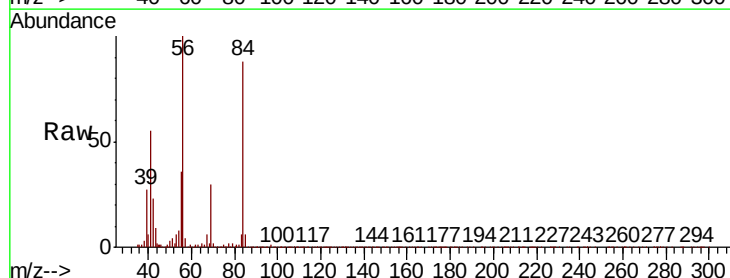
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

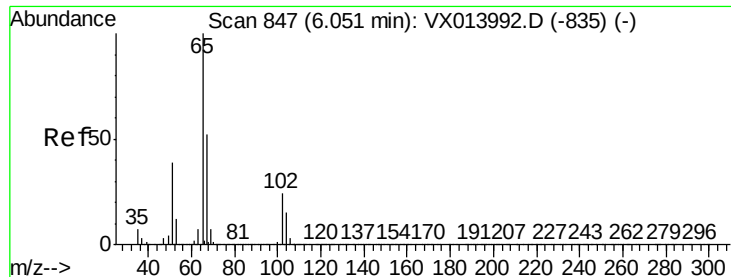
Tot Ion: 83 Resp: 171517
Ion Ratio Lower Upper
83 100
85 67.7 52.7 79.1



#26
Cyclohexane
Concen: 18.219 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion: 56 Resp: 159686
Ion Ratio Lower Upper
56 100
89 0.1 0.1 0.1#
84 86.7 70.8 106.2





#27

1,2-Dichloroethane-d4

Concen: 30.325 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

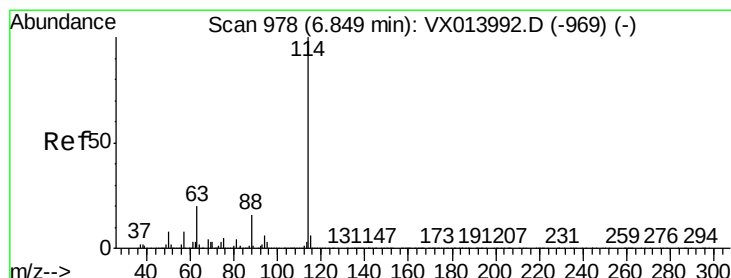
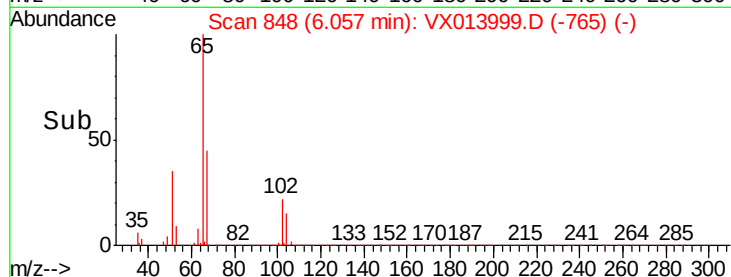
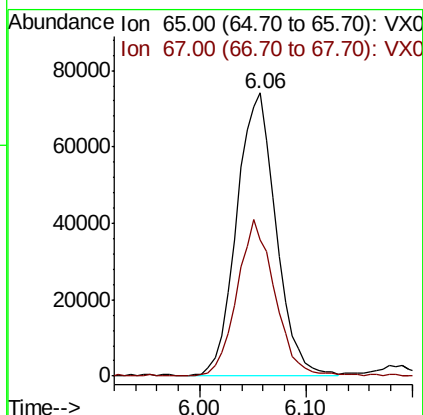
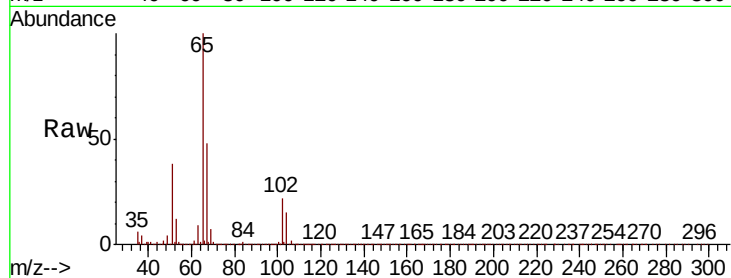
VX1212WBSD04

Tot Ion: 65 Resp: 190504

Ion Ratio Lower Upper

65 100

67 53.6 43.1 64.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

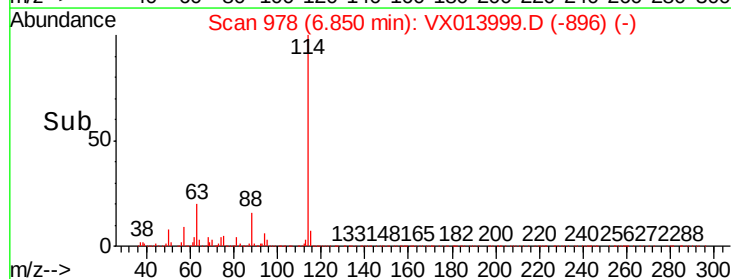
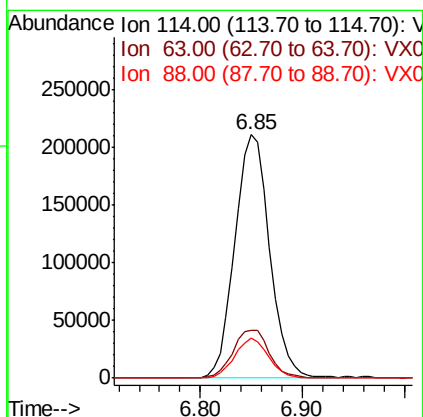
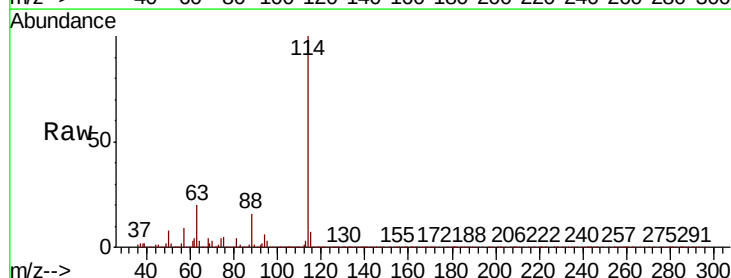
Tgt Ion: 114 Resp: 498071

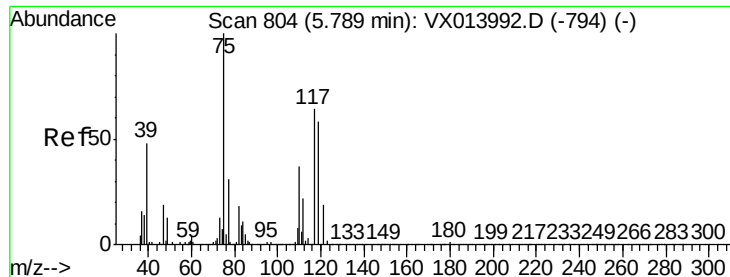
Ion Ratio Lower Upper

114 100

63 20.4 16.1 24.1

88 15.8 12.5 18.7

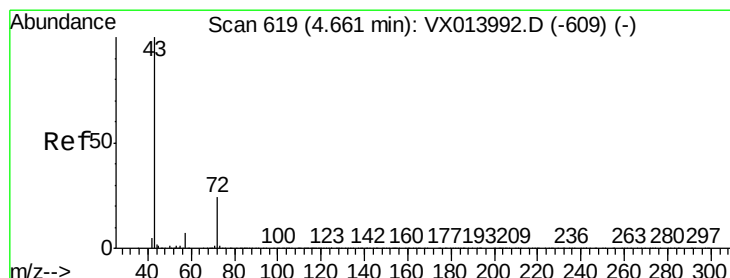
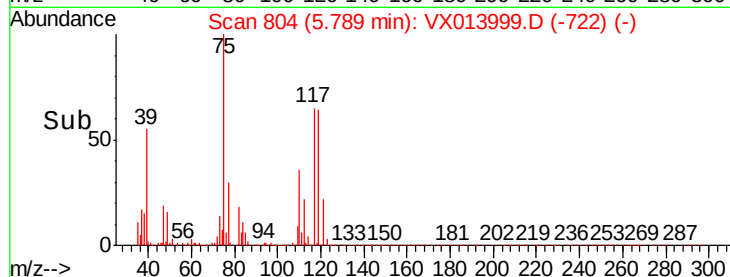
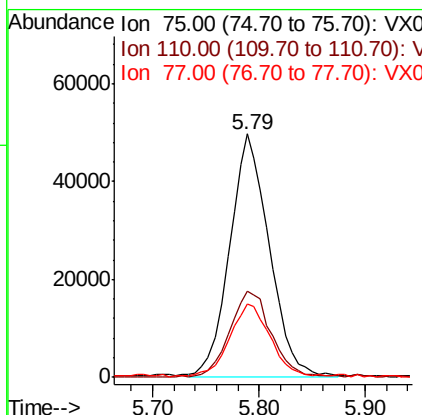
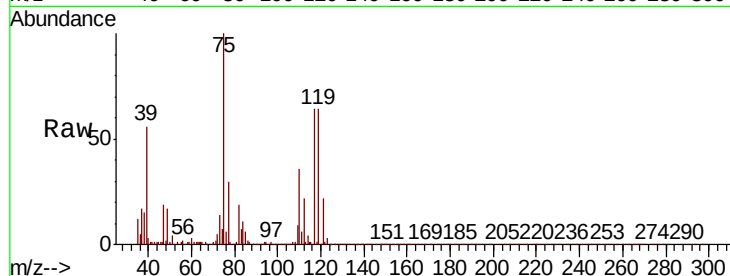




#29
 1,1-Dichloropropene
 Concen: 17.860 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

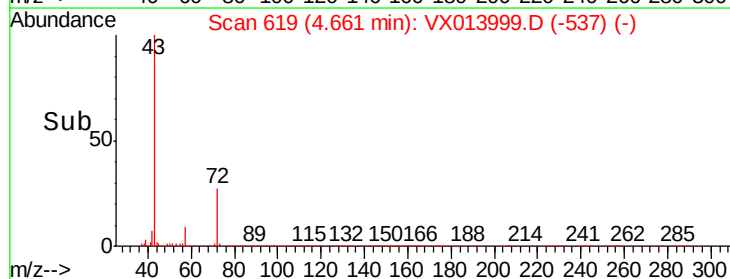
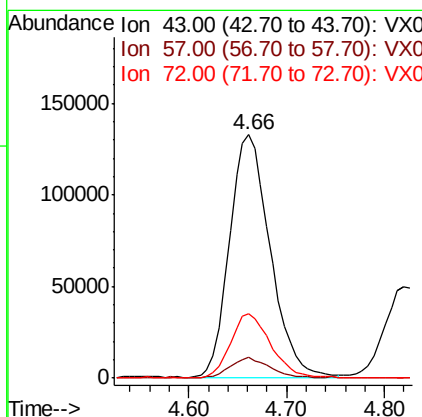
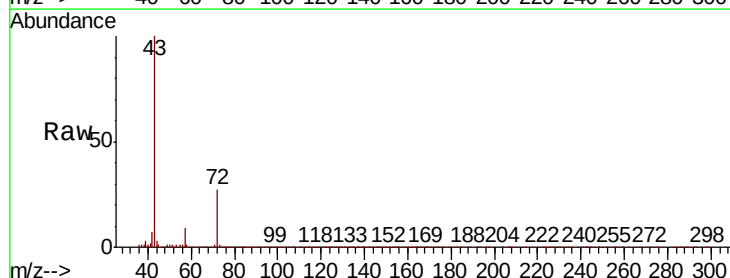
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD04

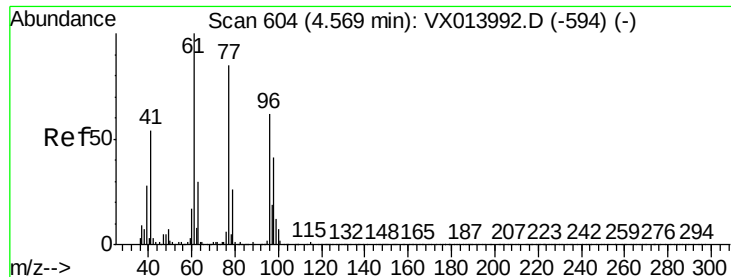
Tot Ion	Ratio	Lower	Upper
75	100		
110	36.8	0.0	73.8
77	30.1	0.0	62.4



#30
 2-Butanone
 Concen: 89.813 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.2	9.2
72	25.5	20.3	30.5





#31

2,2-Dichloropropane

Concen: 16.498 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

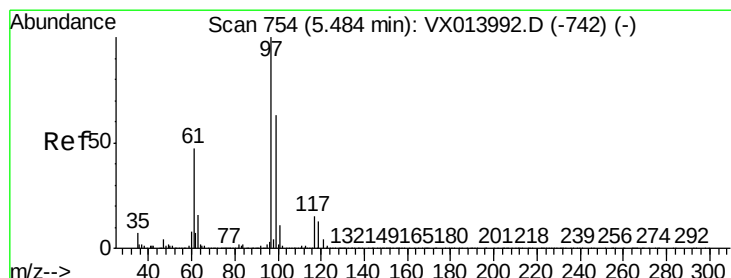
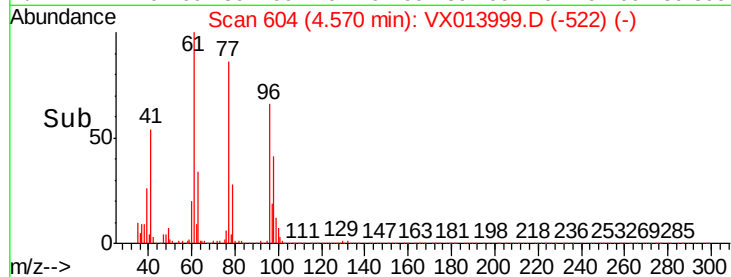
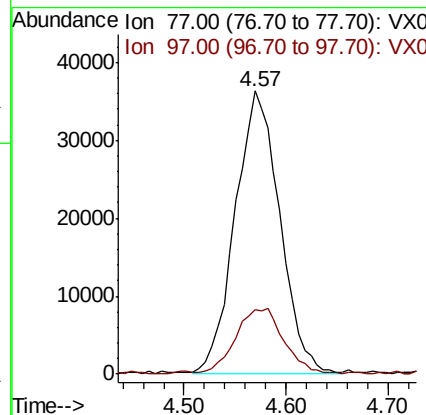
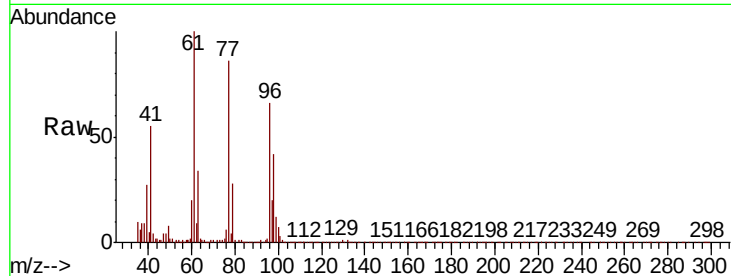
VX1212WBSD04

Tot Ion: 77 Resp: 109796

Ion Ratio Lower Upper

77 100

97 25.0 19.7 29.5



#32

1,1,1-Trichloroethane

Concen: 18.021 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

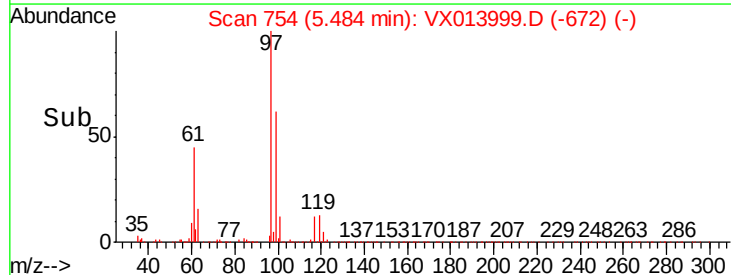
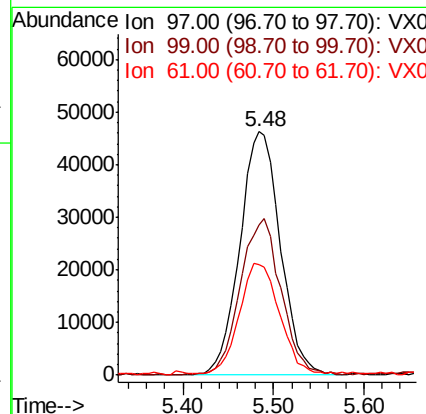
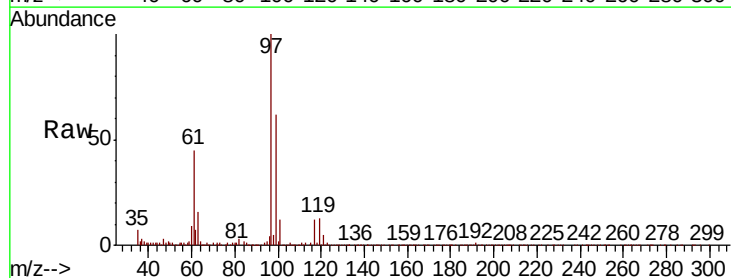
Tgt Ion: 97 Resp: 143402

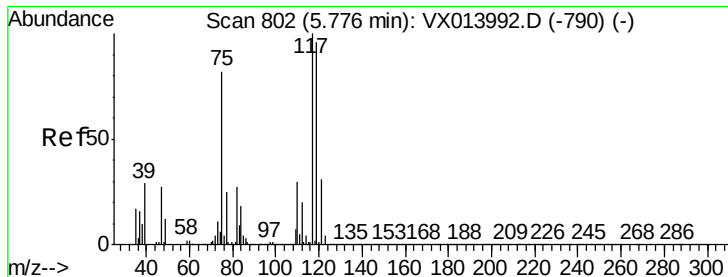
Ion Ratio Lower Upper

97 100

99 64.2 51.9 77.9

61 45.7 36.8 55.2

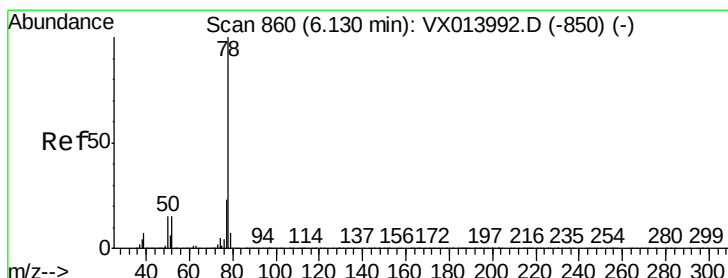
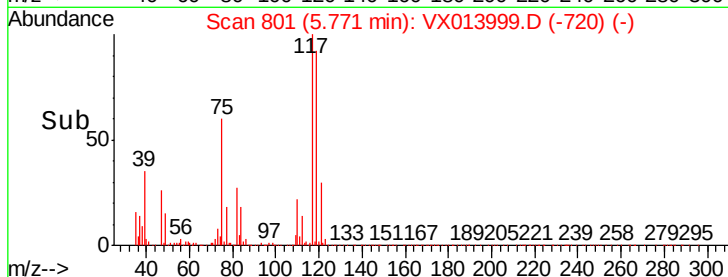
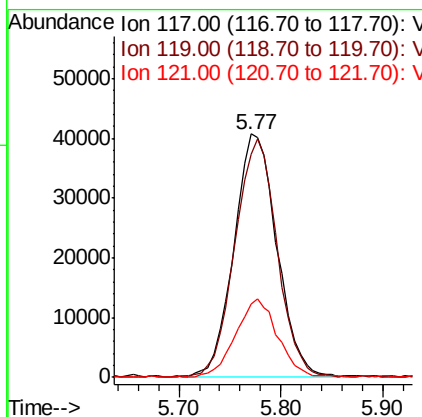
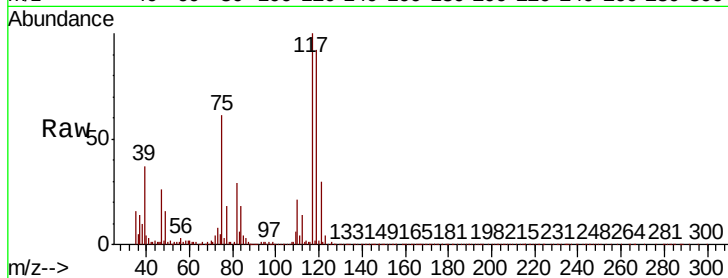




#33
Carbon Tetrachloride
Concen: 17.644 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

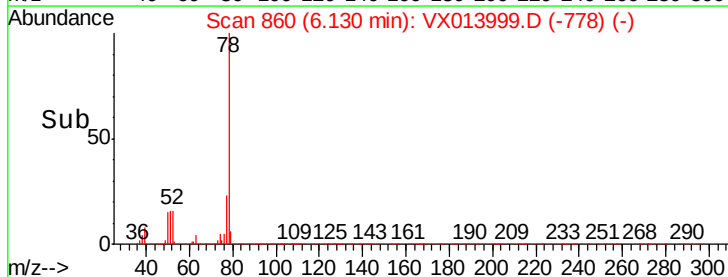
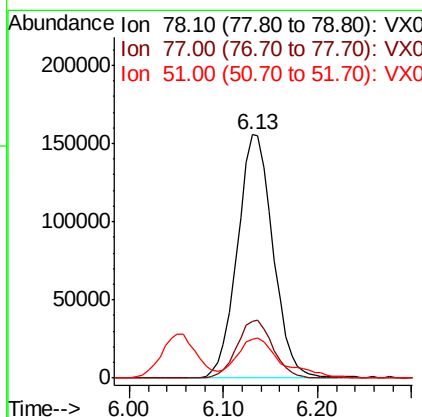
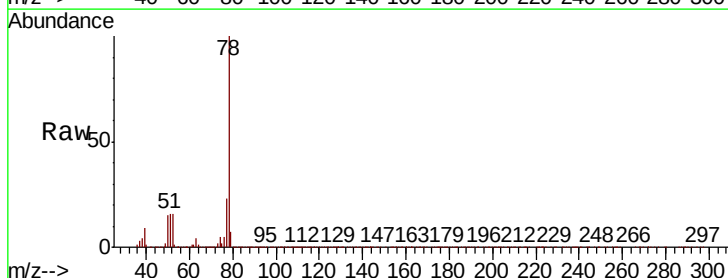
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

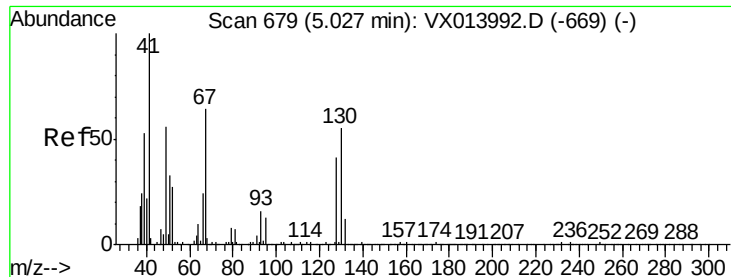
Tot Ion:117 Resp: 119354
Ion Ratio Lower Upper
117 100
119 91.4 77.2 115.8
121 29.8 24.8 37.2



#34
Benzene
Concen: 18.385 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion: 78 Resp: 412434
Ion Ratio Lower Upper
78 100
77 23.3 18.2 27.2
51 15.3 12.4 18.6

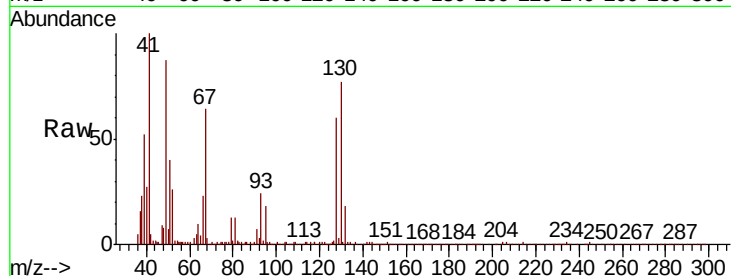




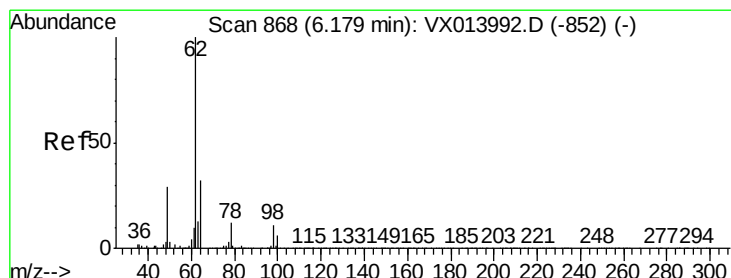
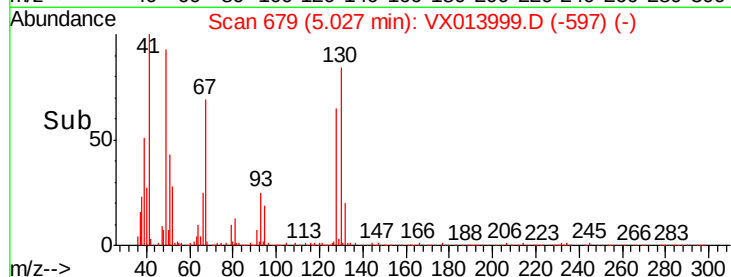
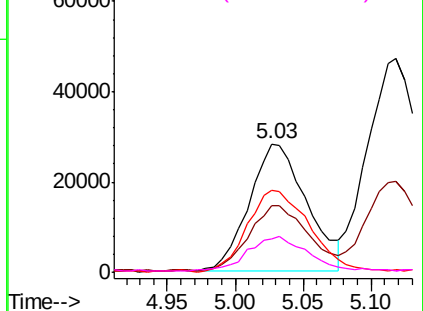
#35
Methacrylonitrile
Concen: 18.165 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

Tot Ion:	41	Resp:	82849
Ion	Ratio	Lower	Upper
41	100		
39	50.0	26.7	80.1
67	63.6	31.5	94.5
52	25.3	12.8	38.4

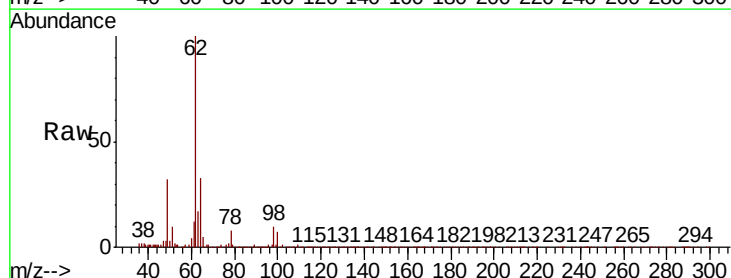


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

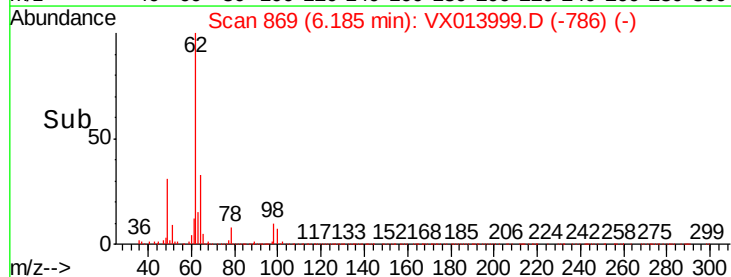
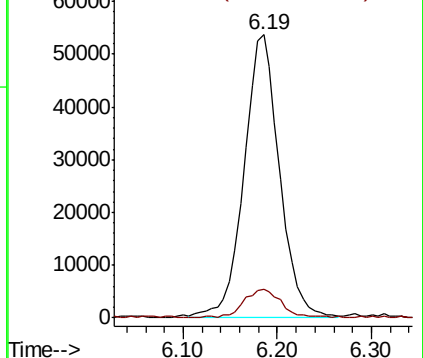


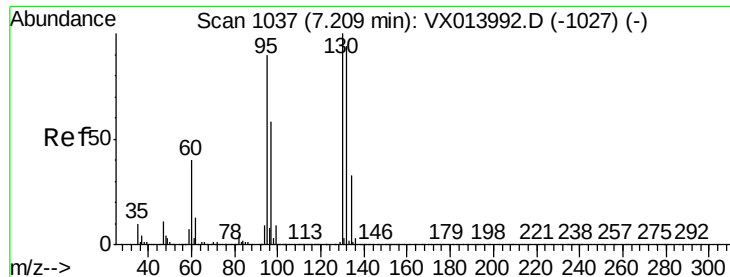
#36
1,2-Dichloroethane
Concen: 18.018 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion:	62	Resp:	140409
Ion	Ratio	Lower	Upper
62	100		
98	10.2	8.4	12.6



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 17.742 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

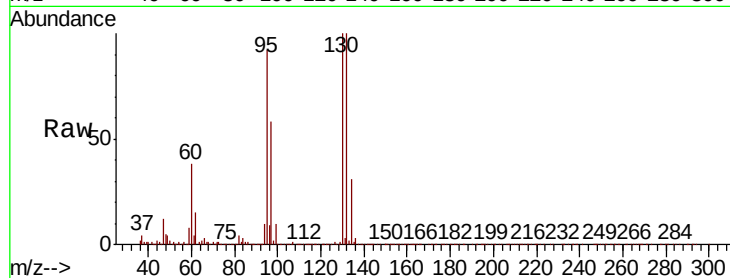
VX1212WBSD04

Tot Ion:130 Resp: 108300

Ion Ratio Lower Upper

130 100

95 91.6 71.7 107.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

60000

50000

40000

30000

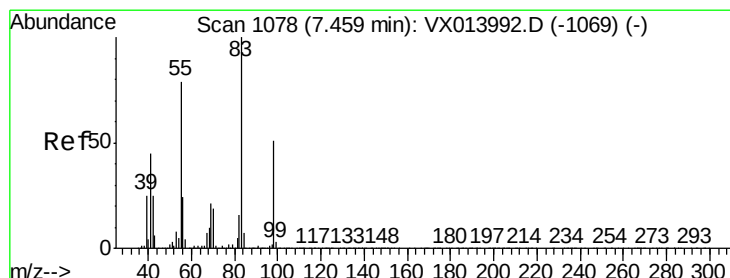
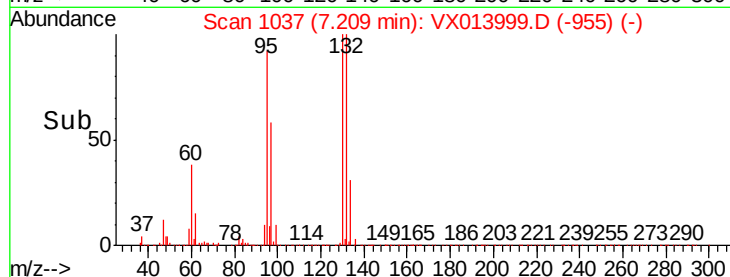
20000

10000

0

7.10 7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 17.907 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

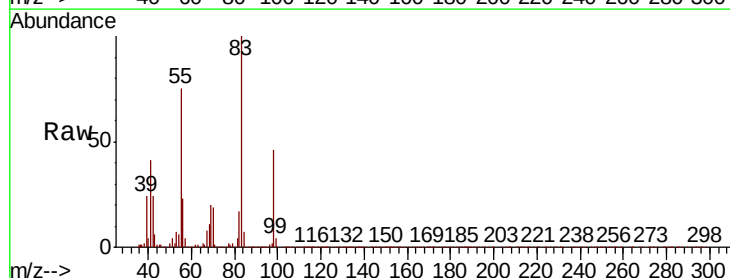
Tgt Ion: 83 Resp: 153673

Ion Ratio Lower Upper

83 100

55 77.4 39.4 118.1

98 49.3 25.1 75.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

100000

80000

60000

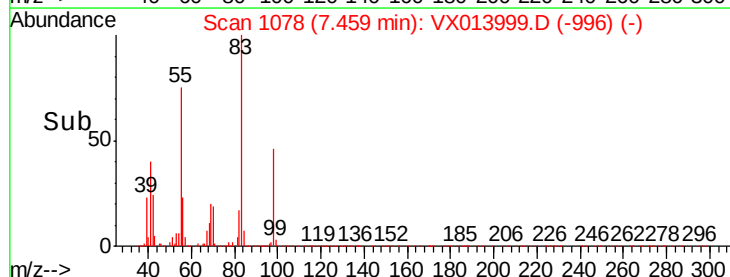
40000

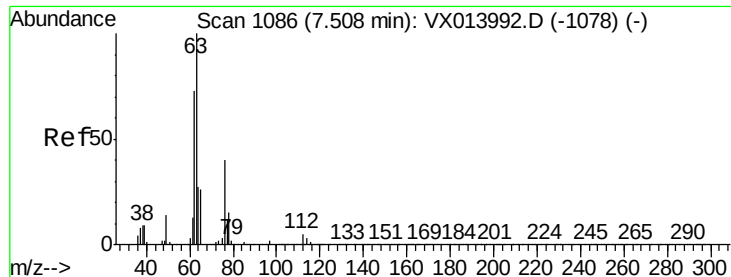
20000

0

7.35 7.40 7.45 7.50 7.55

Time-->

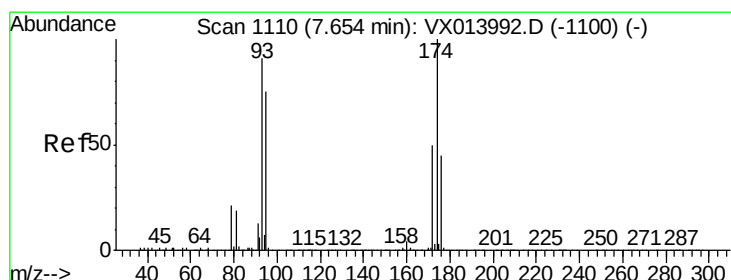
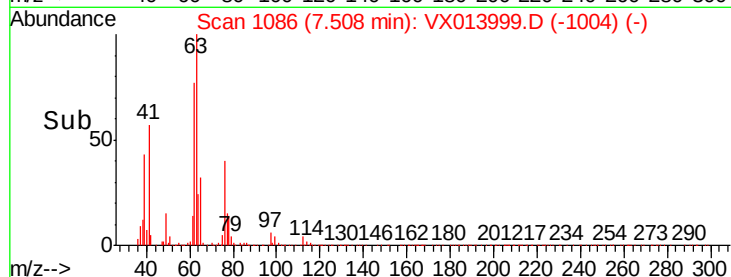
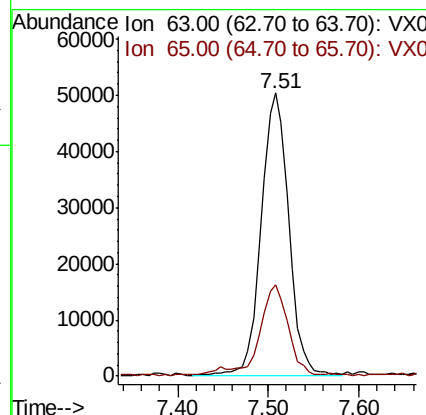
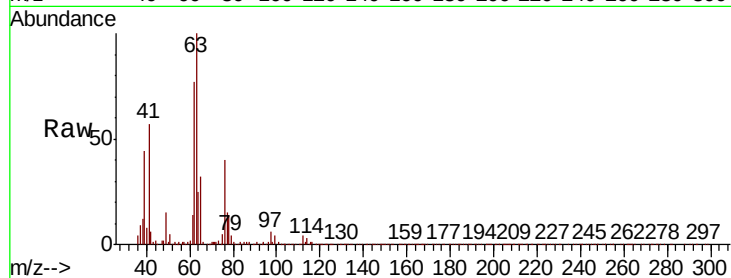




#39
 1,2-Dichloropropane
 Concen: 18.023 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

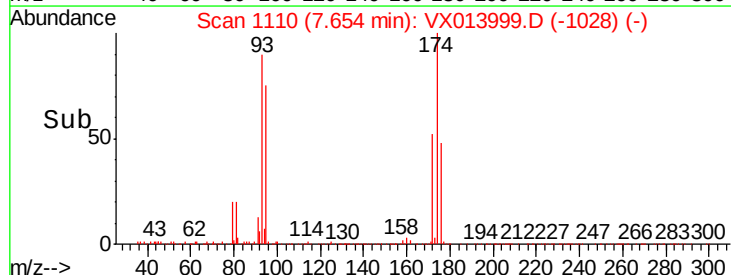
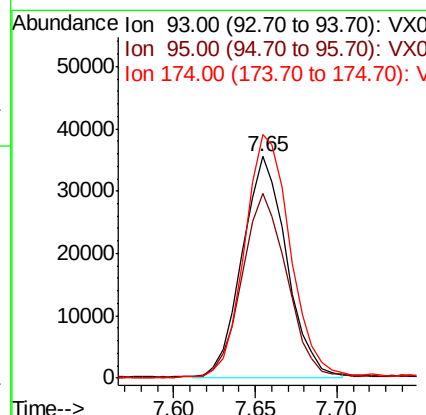
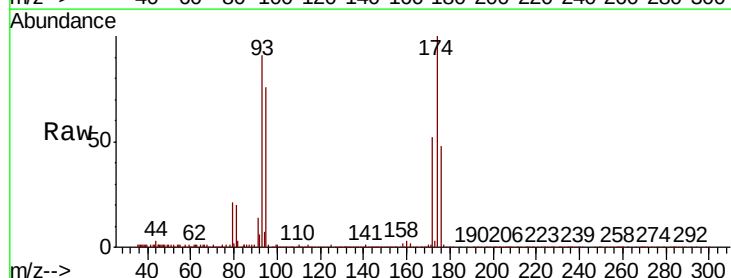
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD04

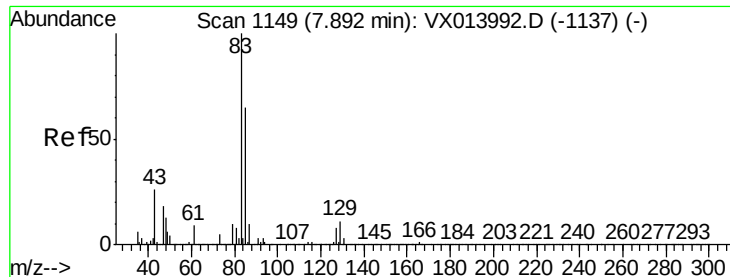
Tot Ion: 63 Resp: 105009
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.1 33.1



#40
 Dibromomethane
 Concen: 18.065 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

Tgt Ion: 93 Resp: 67241
 Ion Ratio Lower Upper
 93 100
 95 84.1 0.0 164.4
 174 113.2 0.0 228.8





#41

Bromodichloromethane

Concen: 17.754 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD04

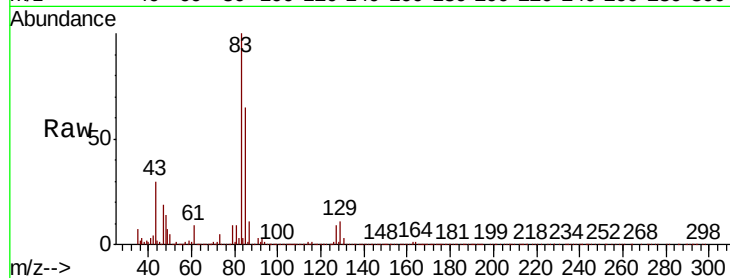
Tot Ion: 83 Resp: 127953

Ion Ratio Lower Upper

83 100

85 64.0 51.6 77.4

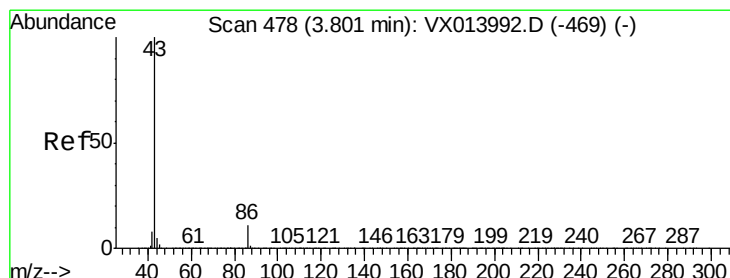
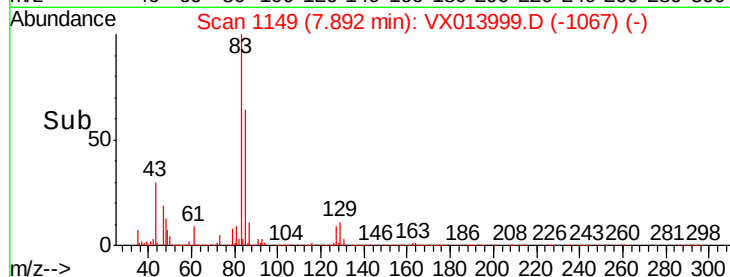
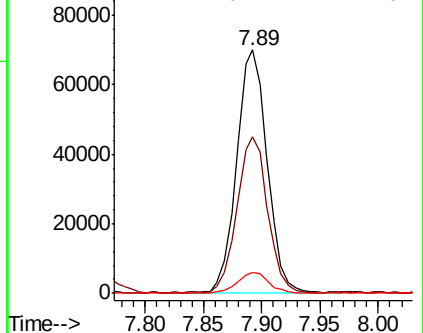
127 8.7 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 93.615 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013999.D

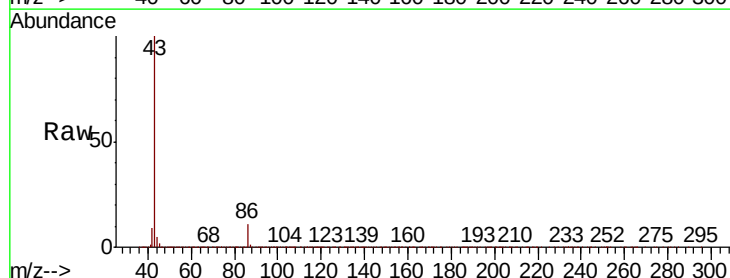
Acq: 13 Dec 2019 02:50

Tgt Ion: 43 Resp: 1401575

Ion Ratio Lower Upper

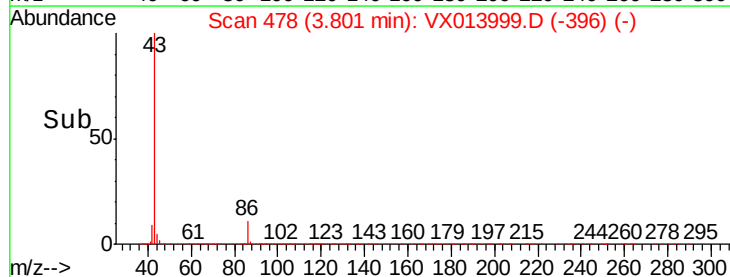
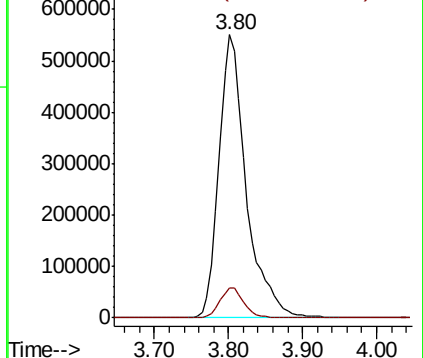
43 100

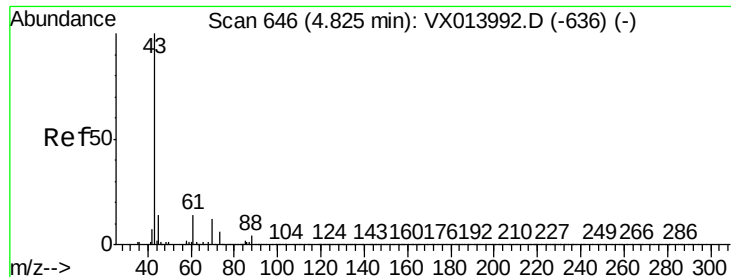
86 9.5 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

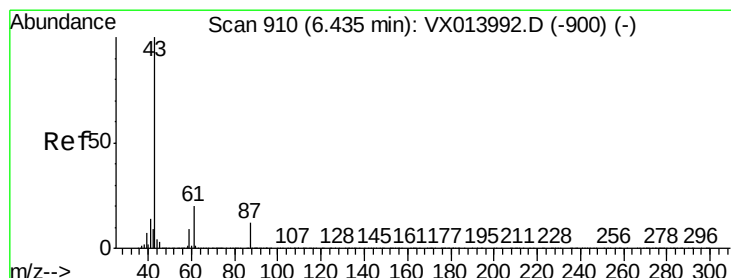
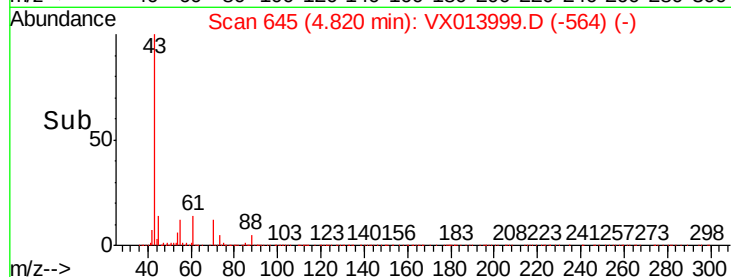
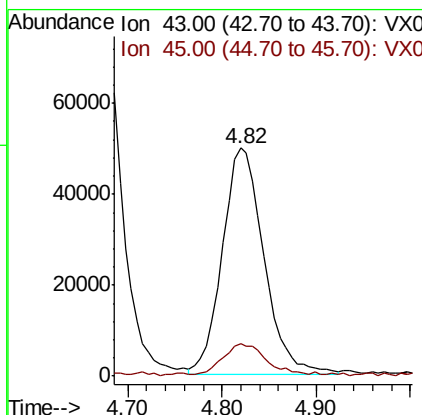
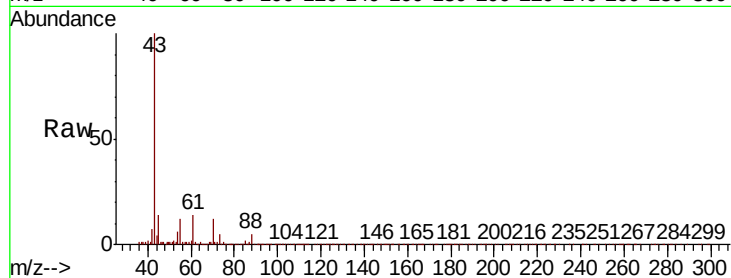




#43
Ethyl Acetate
Concen: 18.945 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

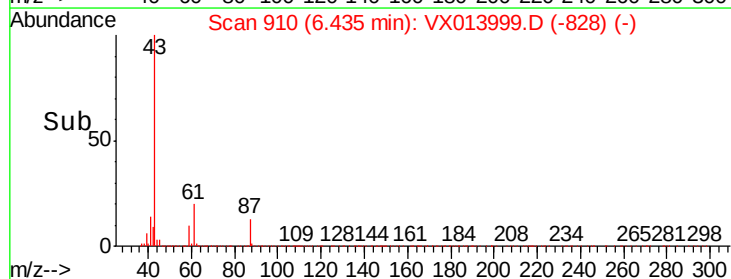
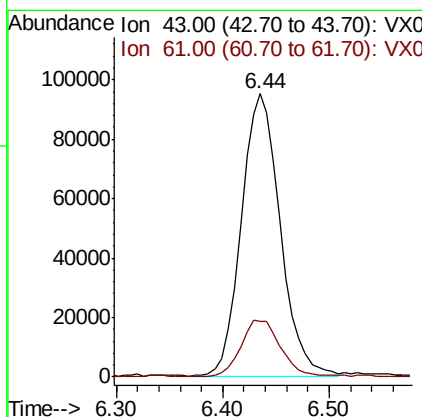
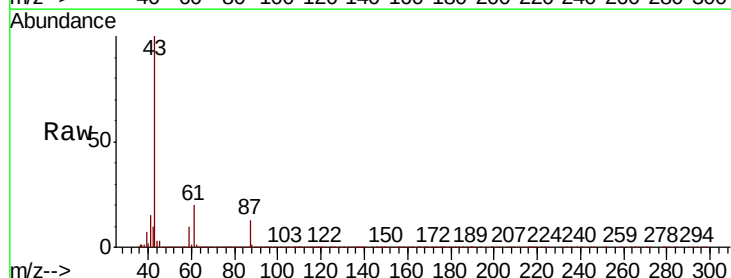
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

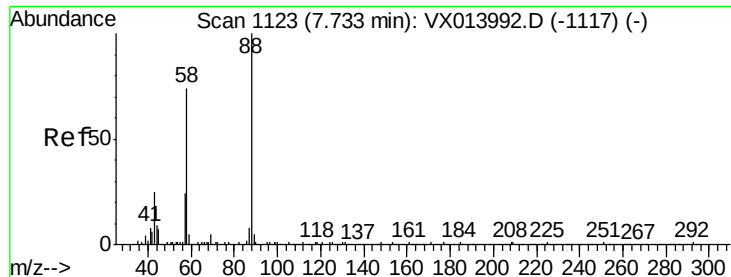
Tot Ion: 43 Resp: 154153
Ion Ratio Lower Upper
43 100
45 14.7 11.8 17.8



#44
Isopropyl Acetate
Concen: 17.847 ug/l
RT: 6.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion: 43 Resp: 243226
Ion Ratio Lower Upper
43 100
61 20.3 15.9 23.9

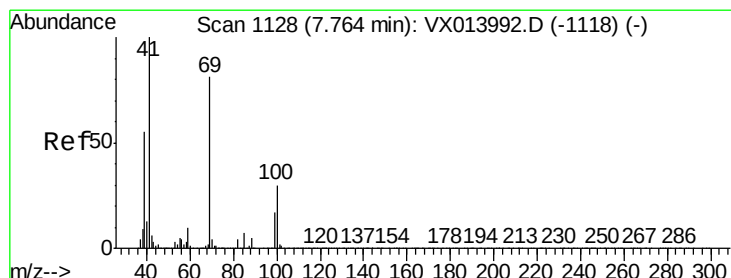
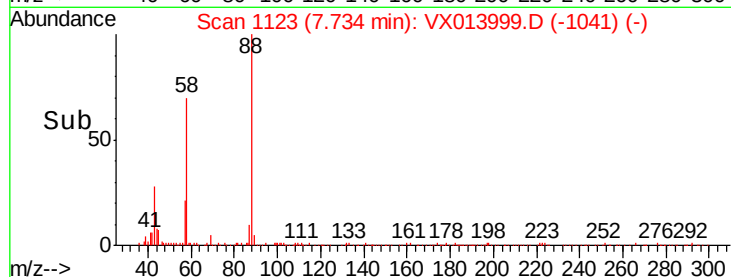
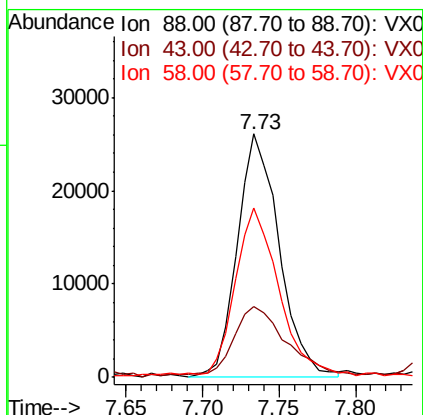
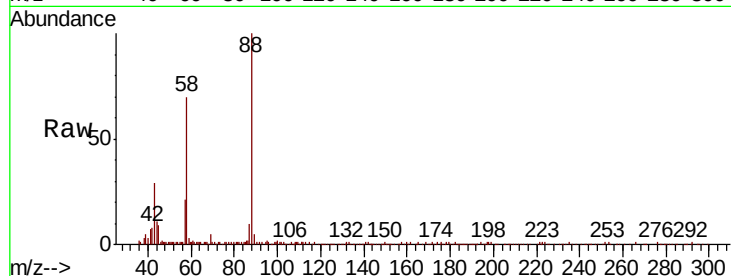




#45
1,4-Dioxane
Concen: 389.749 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

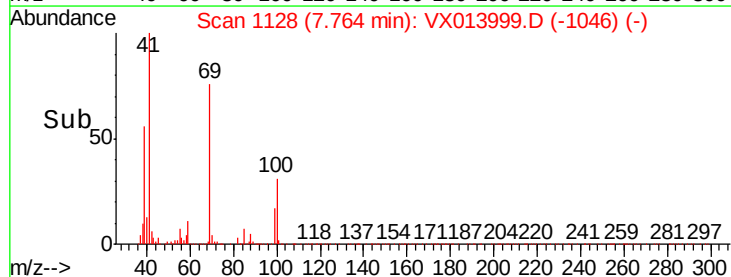
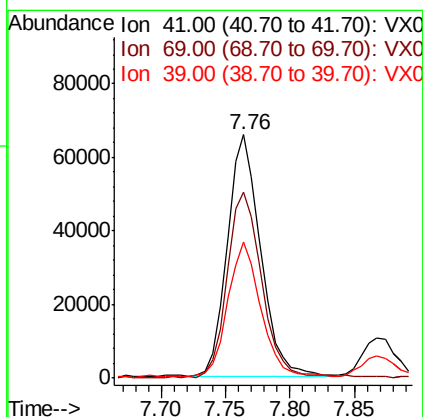
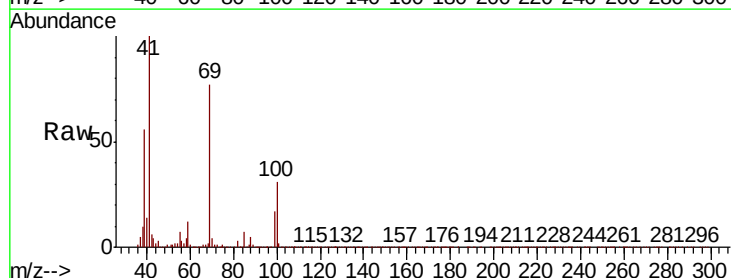
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

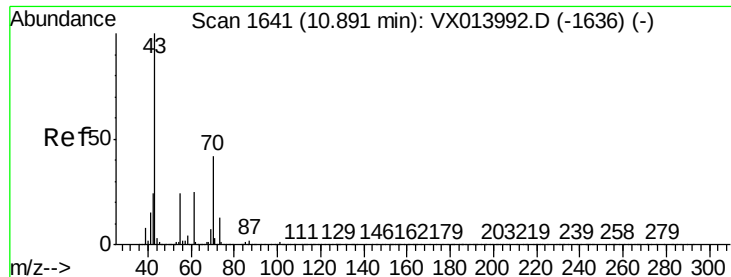
Tot Ion: 88 Resp: 49741
Ion Ratio Lower Upper
88 100
43 34.1 25.4 38.2
58 70.5 56.5 84.7



#46
Methyl methacrylate
Concen: 17.906 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion: 41 Resp: 118533
Ion Ratio Lower Upper
41 100
69 76.5 40.6 122.0
39 55.5 27.8 83.3

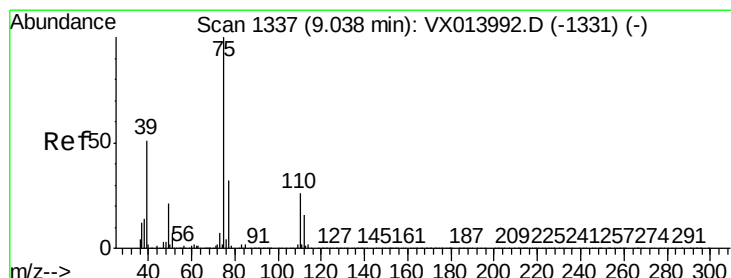
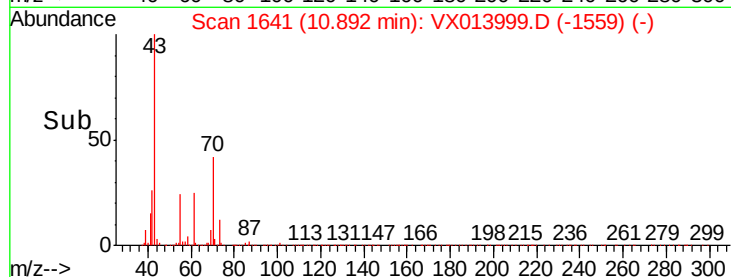
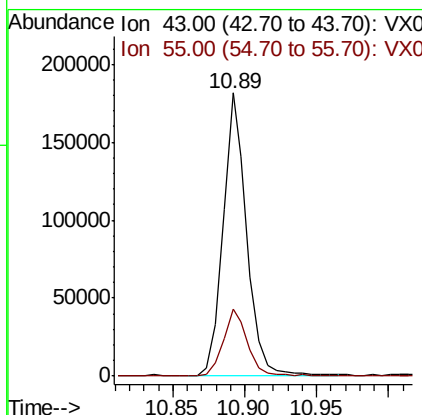
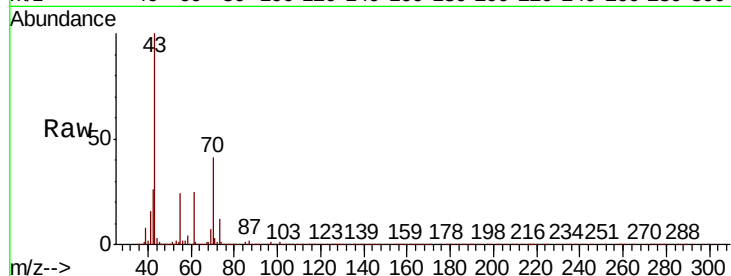




#47
n-amvl Acetate
Concen: 17.235 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

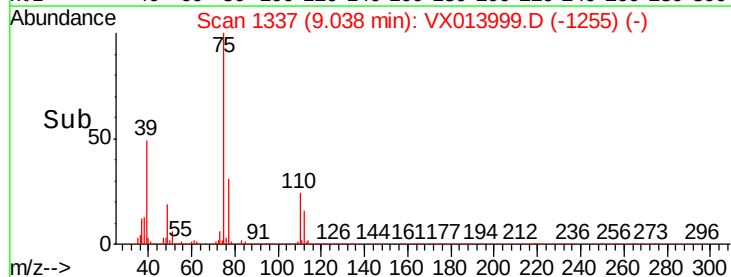
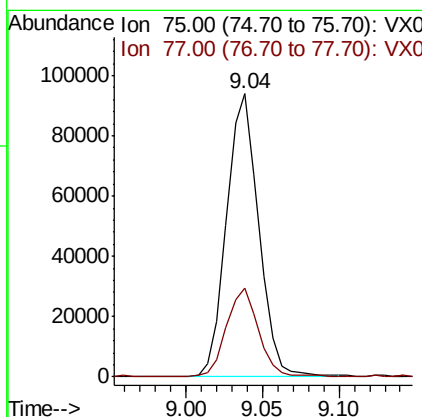
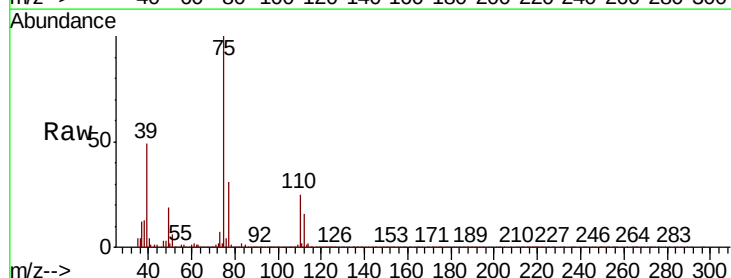
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

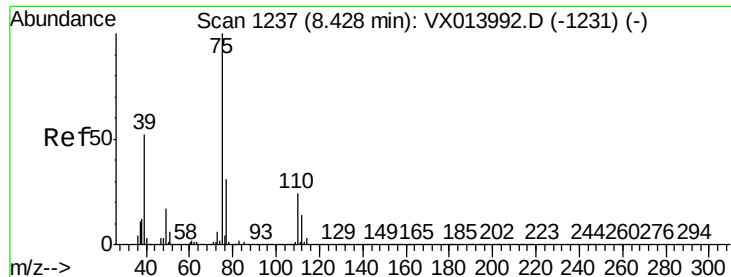
Tot Ion: 43 Resp: 208851
Ion Ratio Lower Upper
43 100
55 24.0 19.4 29.2



#48
t-1,3-Dichloropropene
Concen: 17.305 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion: 75 Resp: 136126
Ion Ratio Lower Upper
75 100
77 31.2 26.0 39.0



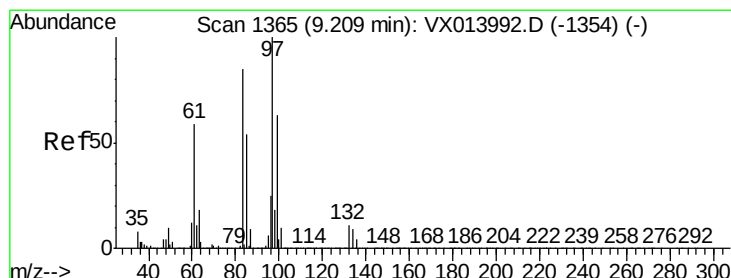
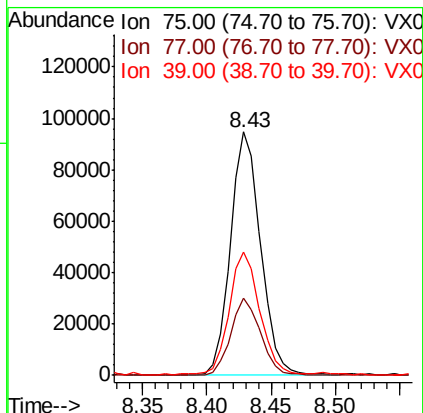
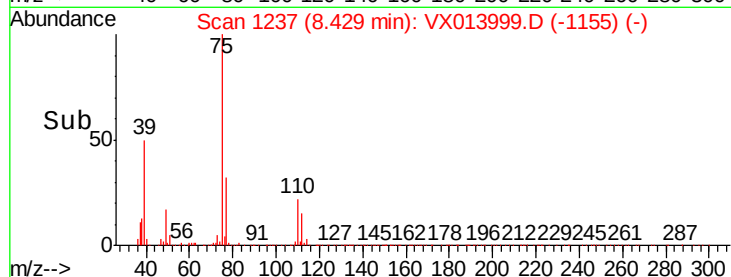
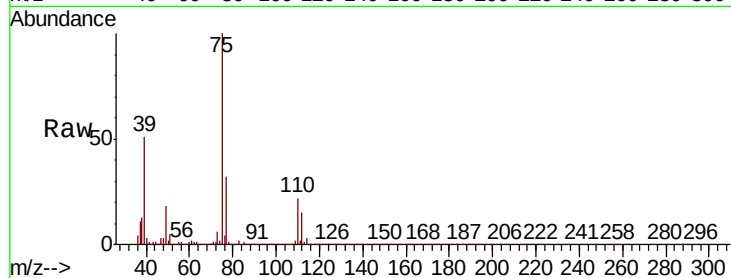


#49

cis-1,3-Dichloropropene
Concen: 17.513 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

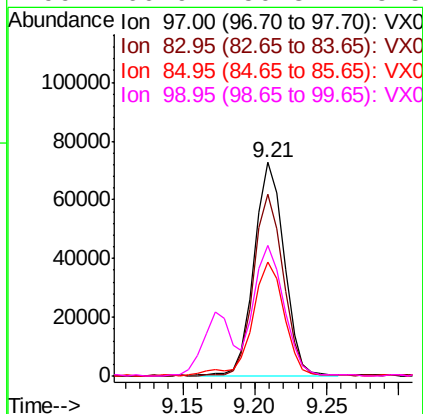
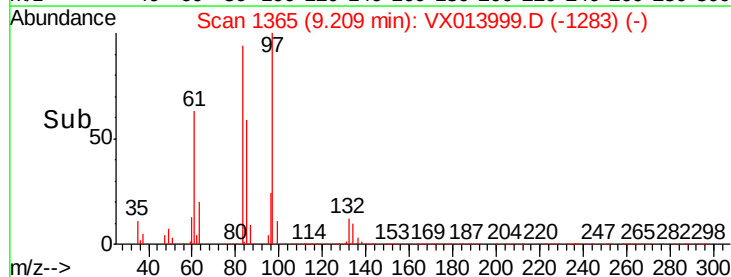
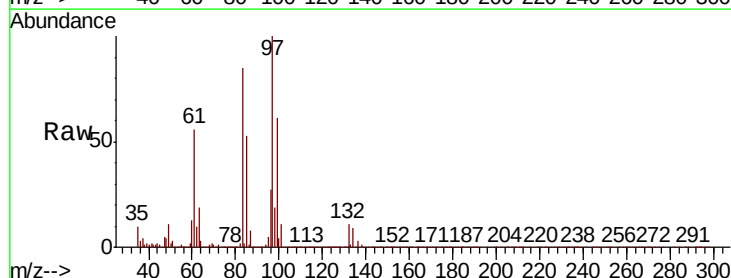
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.8	37.2
39	50.5	41.1	61.7

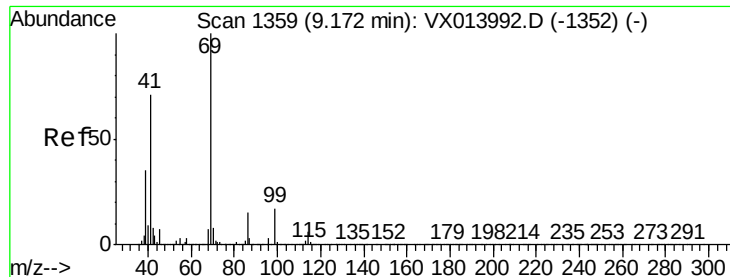


#50

1,1,2-Trichloroethane
Concen: 18.165 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.9	68.1	102.1
85	52.8	42.7	64.1
99	60.9	50.3	75.5





#51

Ethyl methacrylate

Concen: 17.647 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD04

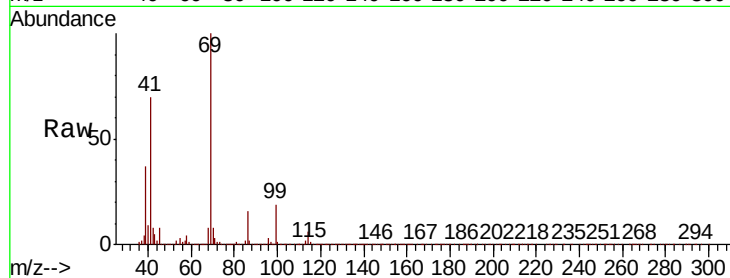
Tot Ion: 69 Resp: 161247

Ion Ratio Lower Upper

69 100

41 69.3 35.4 106.1

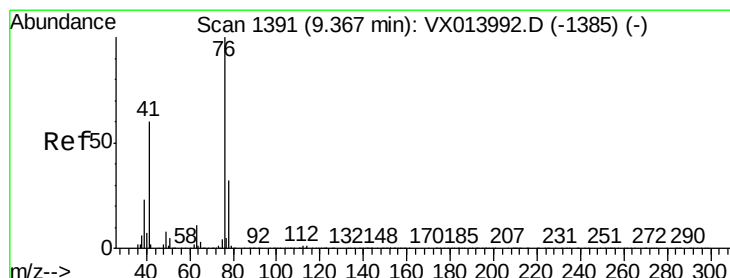
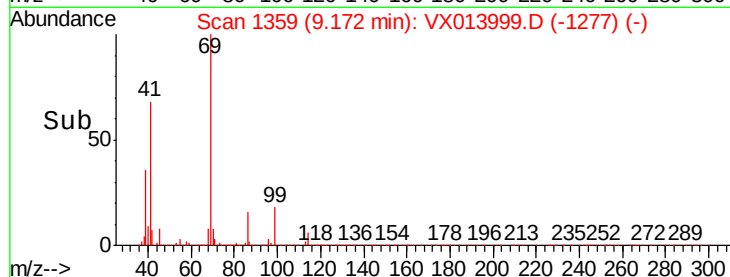
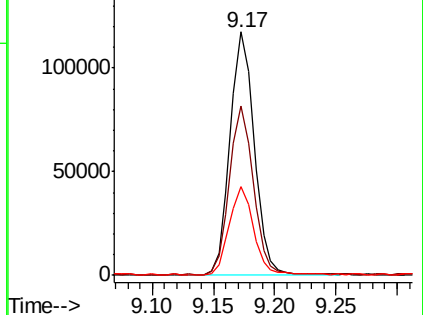
39 36.3 17.8 53.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 17.877 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013999.D

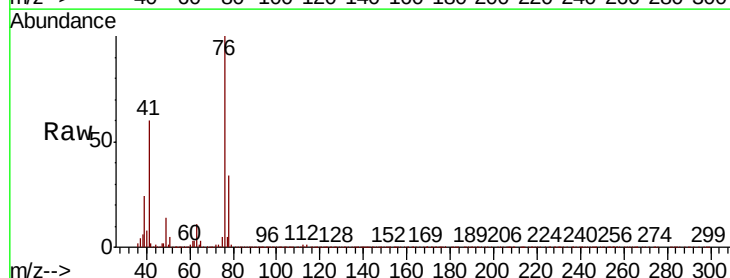
Acq: 13 Dec 2019 02:50

Tgt Ion: 76 Resp: 174476

Ion Ratio Lower Upper

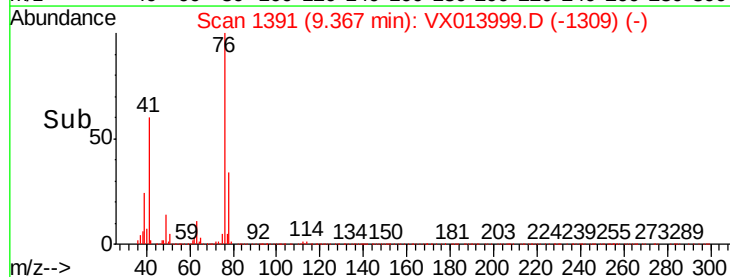
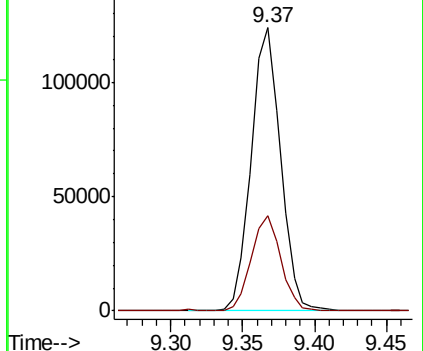
76 100

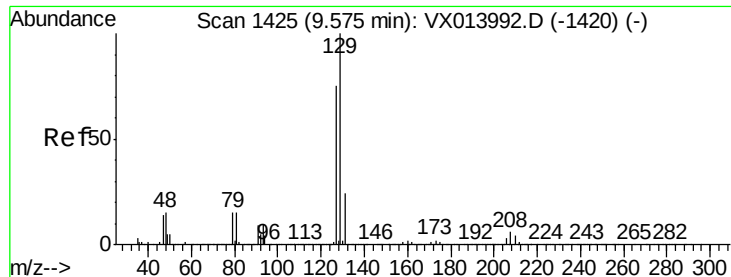
78 33.7 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 17.791 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

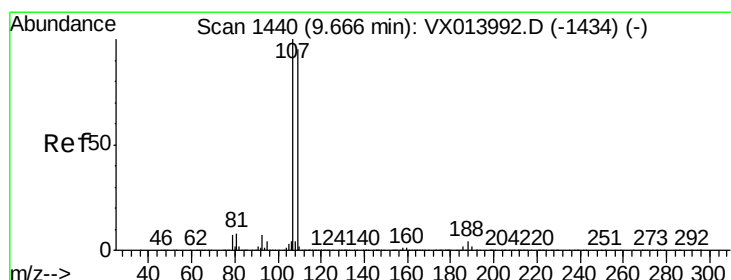
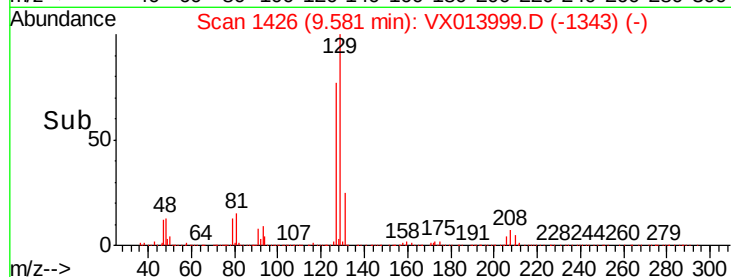
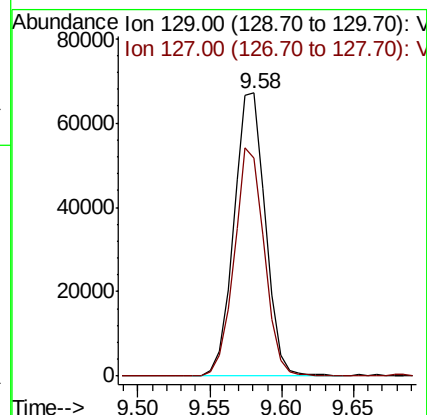
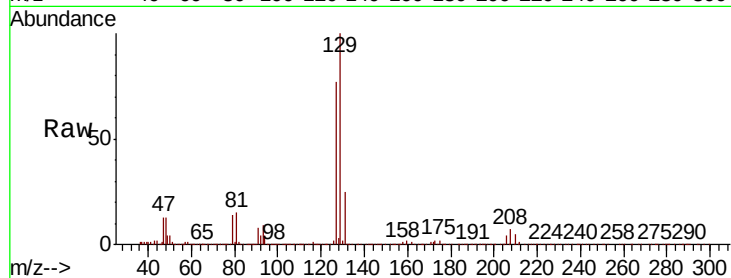
VX1212WBSD04

Tot Ion:129 Resp: 102187

Ion Ratio Lower Upper

129 100

127 77.2 39.1 117.5



#54

1,2-Dibromoethane

Concen: 18.106 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013999.D

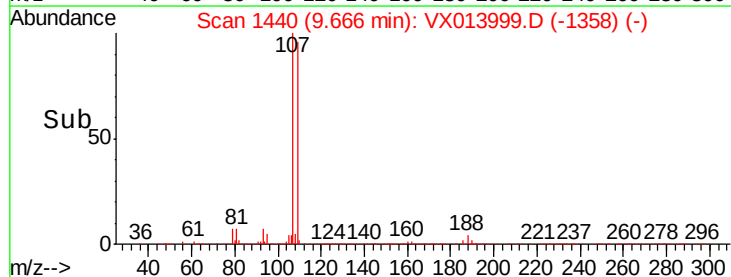
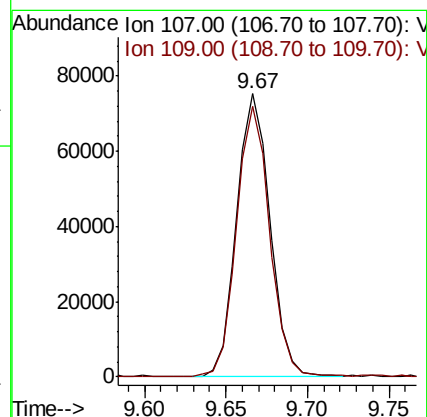
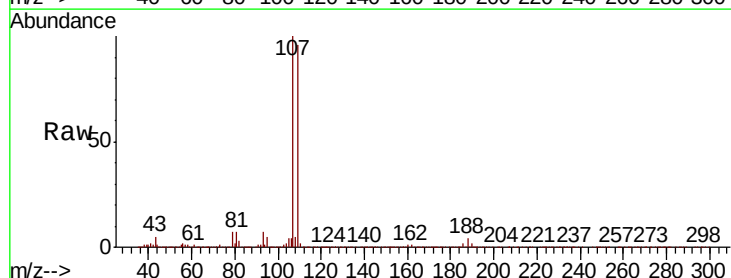
Acq: 13 Dec 2019 02:50

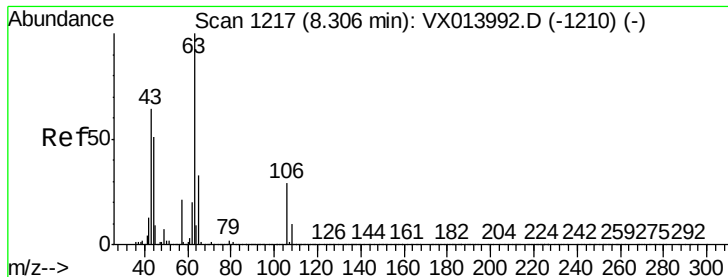
Tgt Ion:107 Resp: 107085

Ion Ratio Lower Upper

107 100

109 95.1 77.2 115.8





#55

2-Chloroethyl vinyl ether

Concen: 99.388 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD04

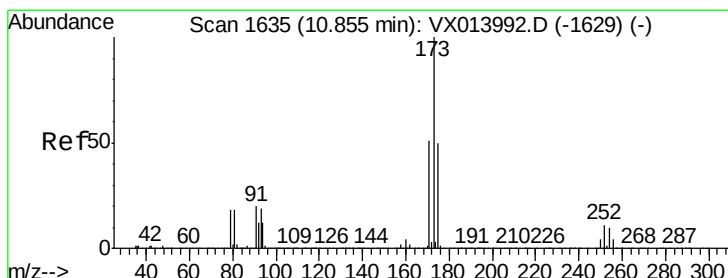
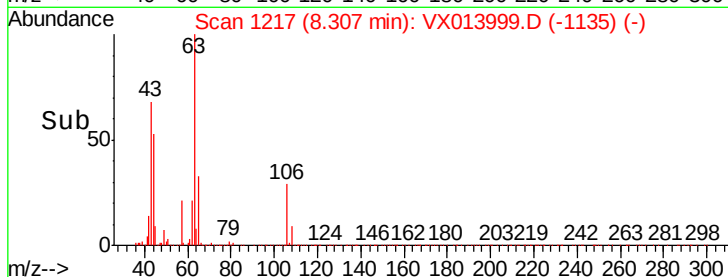
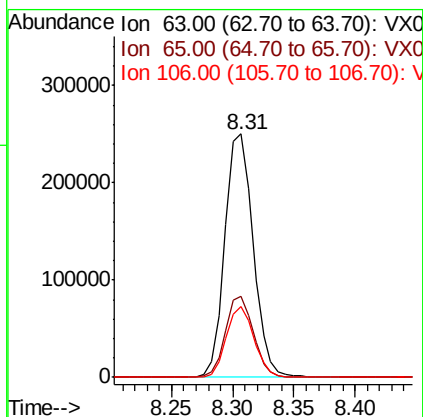
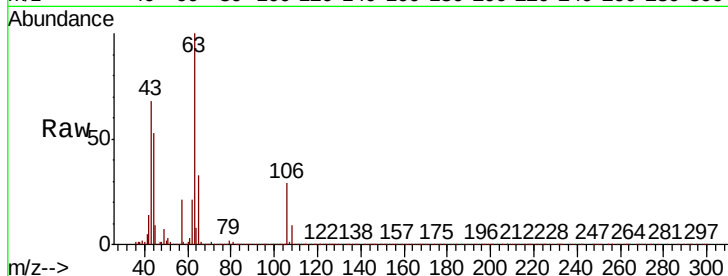
Tot Ion: 63 Resp: 400316

Ion Ratio Lower Upper

63 100

65 32.7 25.8 38.6

106 28.5 22.9 34.3



#56

Bromoform

Concen: 16.487 ug/l

RT: 10.86 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

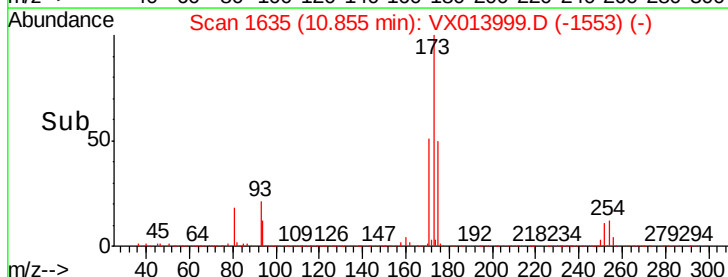
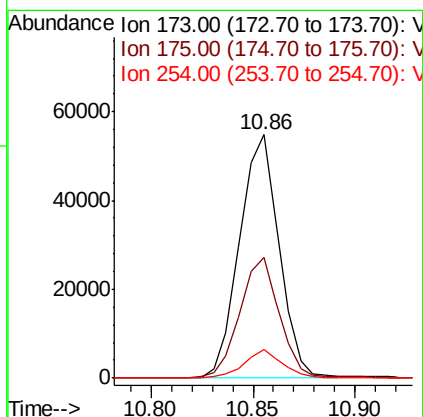
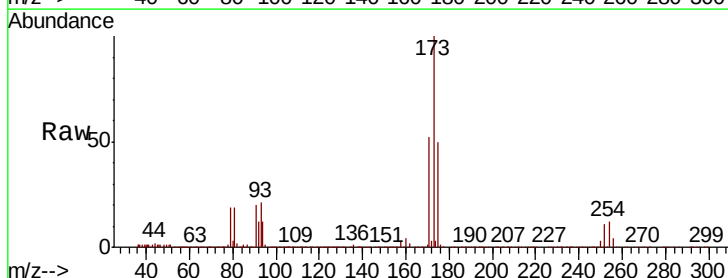
Tgt Ion:173 Resp: 73849

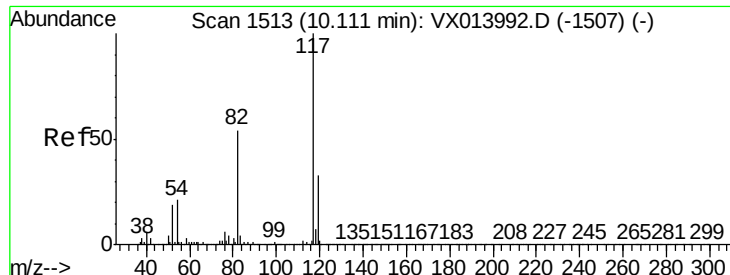
Ion Ratio Lower Upper

173 100

175 49.5 39.5 59.3

254 11.4 8.2 12.4

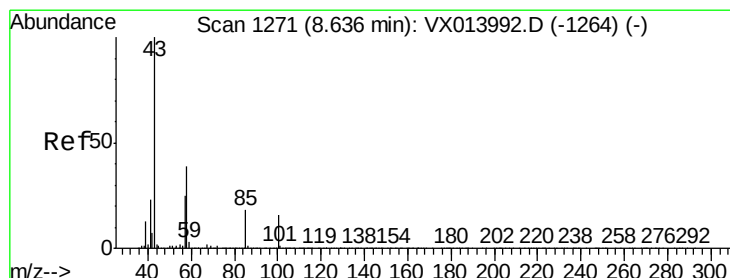
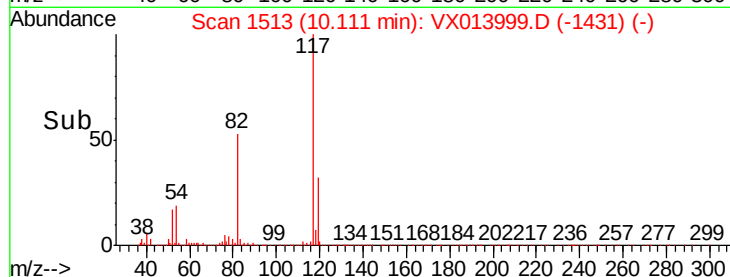
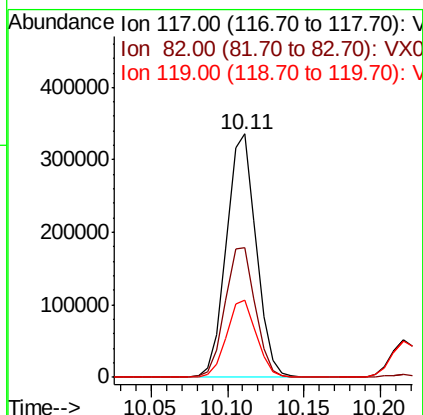
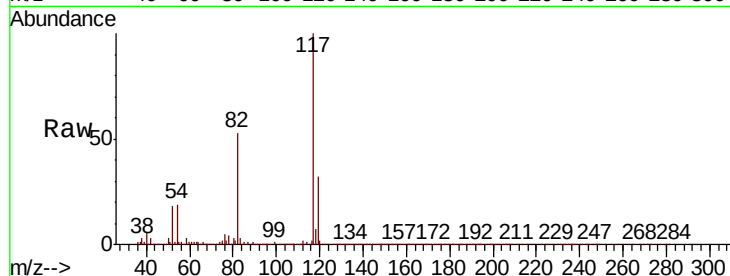




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

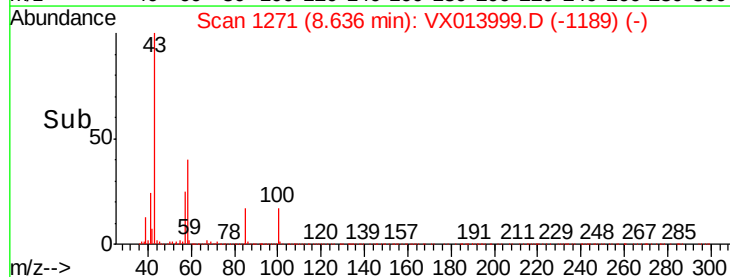
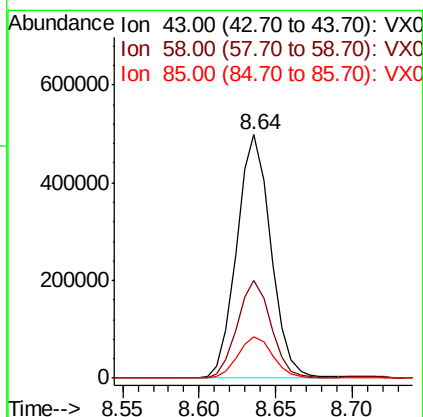
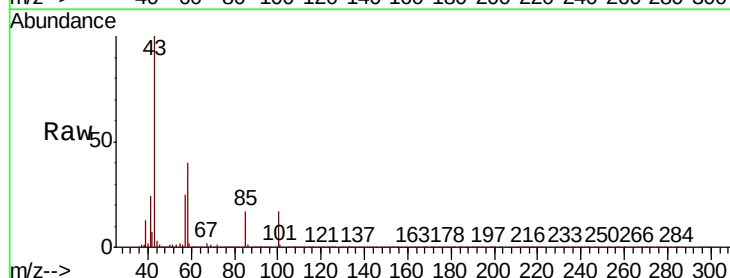
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

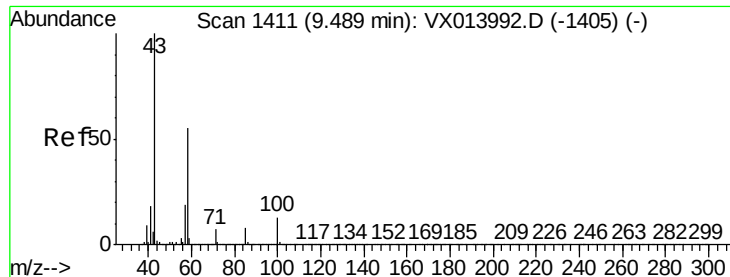
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.8	65.6
119	31.9	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 91.022 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.2	46.8
85	17.4	14.2	21.2

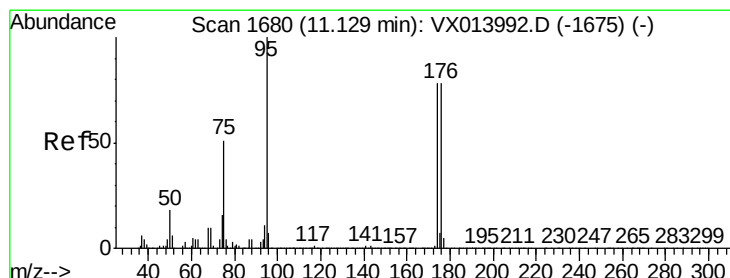
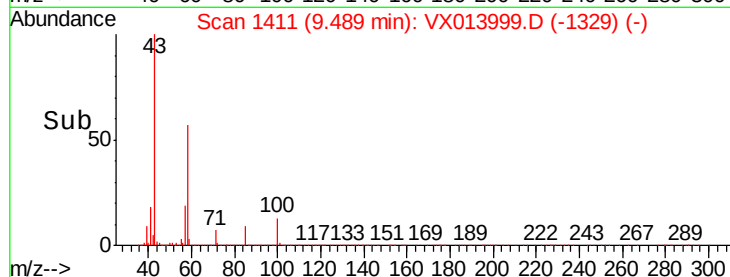
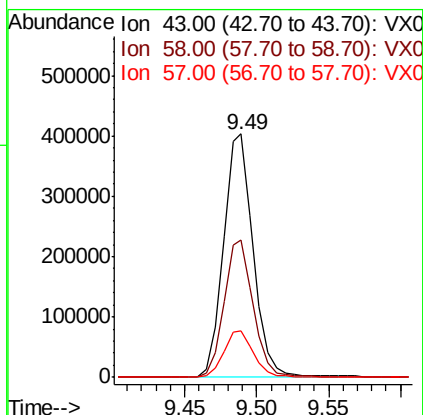
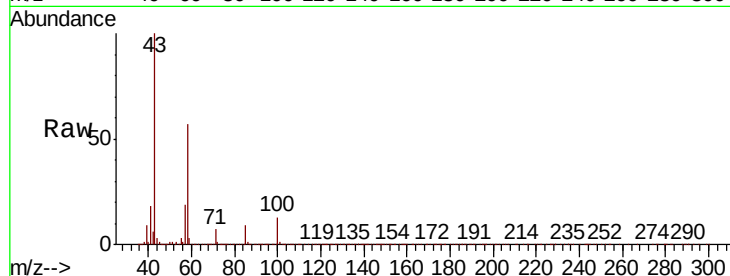




#59
2-Hexanone
Concen: 90.109 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

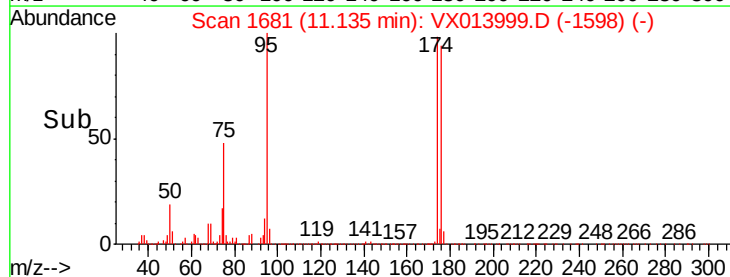
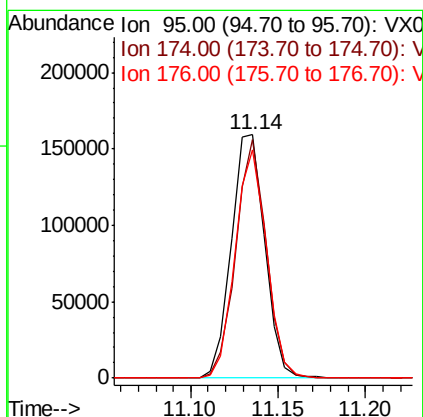
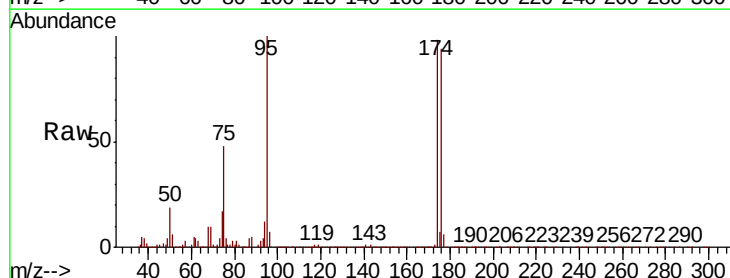
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

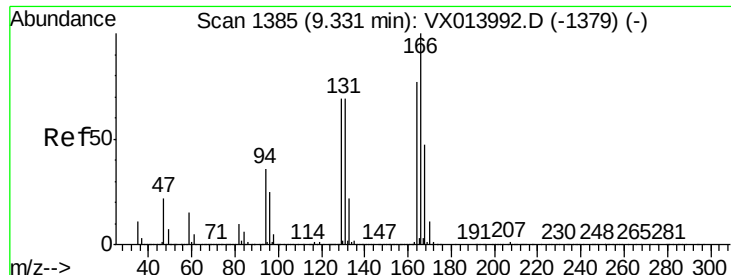
Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	43.8	65.6
57	19.1	15.4	23.0



#60
4-Bromofluorobenzene
Concen: 28.817 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	70.2	105.2
176	88.9	68.3	102.5

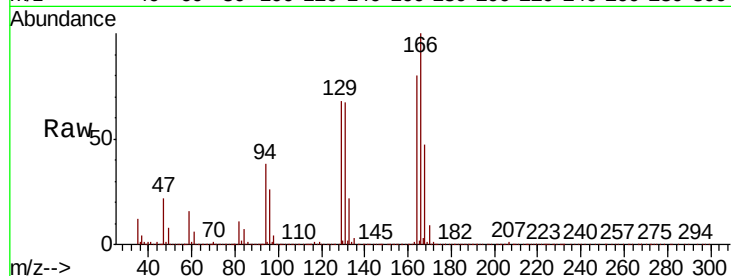




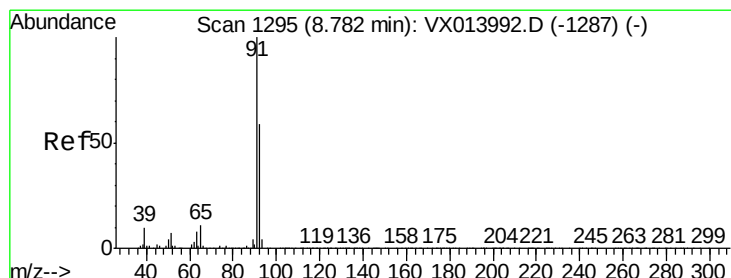
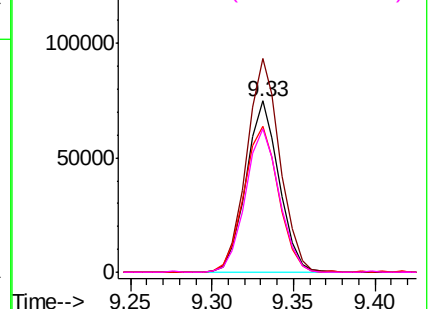
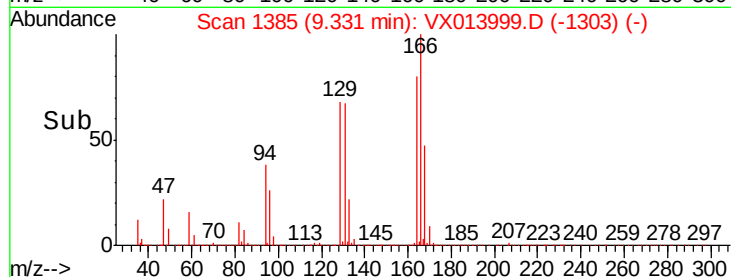
#61
Tetrachloroethene
Concen: 17.605 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.5	104.2	156.2
129	85.0	71.6	107.4
131	83.7	71.7	107.5

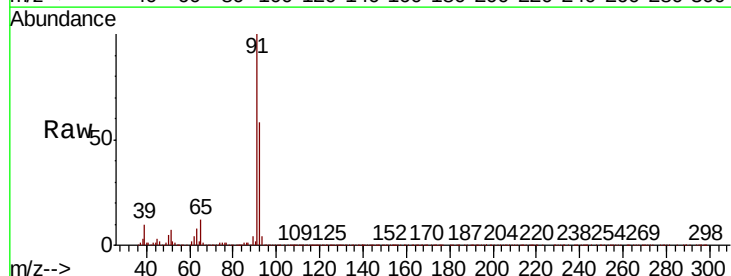


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

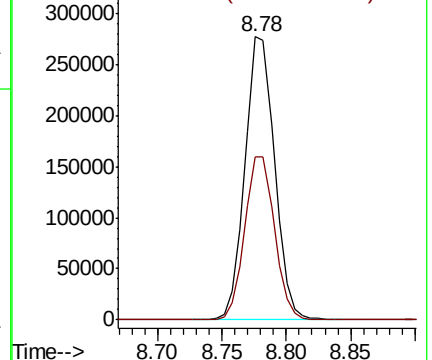
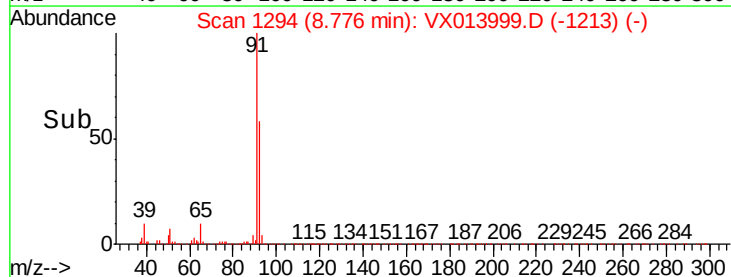


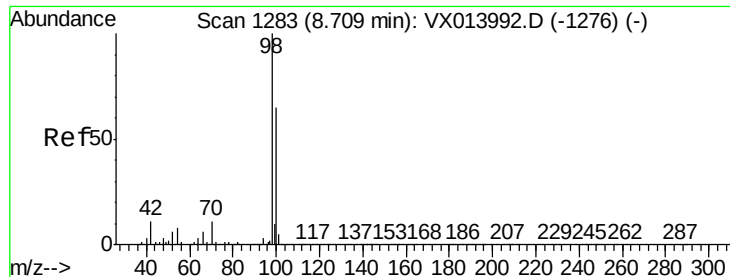
#62
Toluene
Concen: 18.200 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.2	46.4	69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.419 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

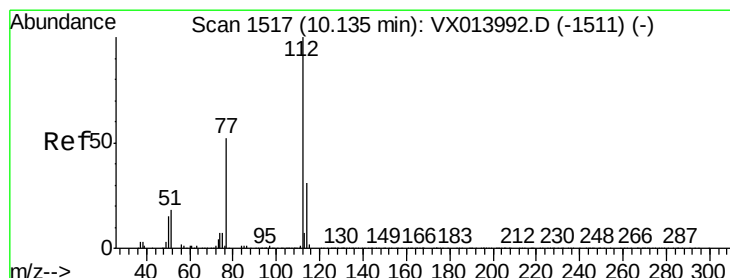
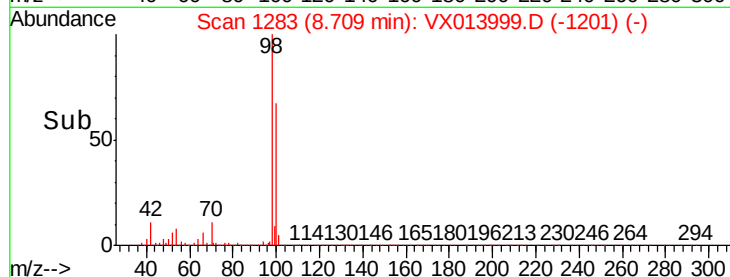
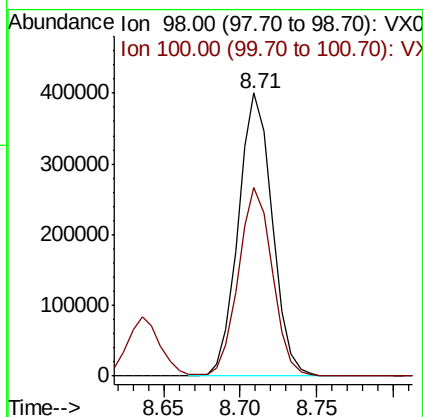
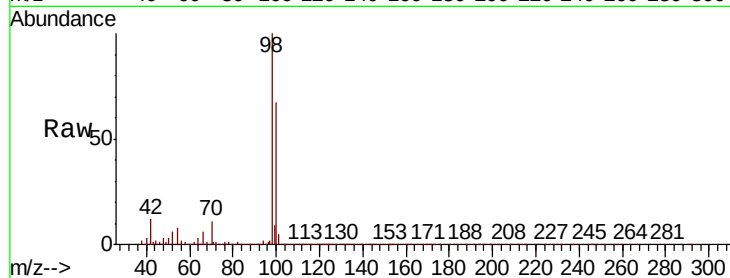
VX1212WBSD04

Tot Ion: 98 Resp: 616105

Ion Ratio Lower Upper

98 100

100 66.4 52.2 78.2



#64

Chlorobenzene

Concen: 17.937 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013999.D

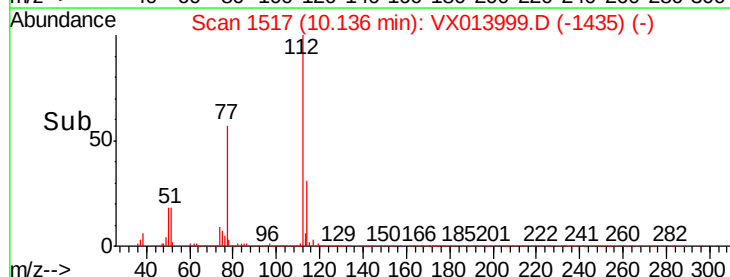
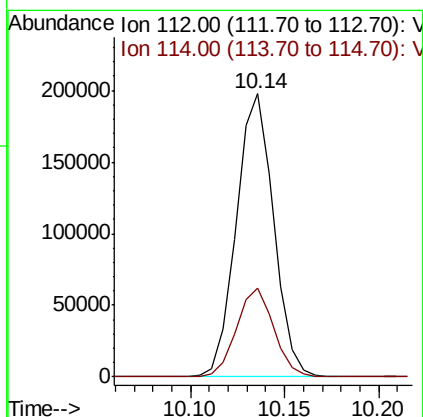
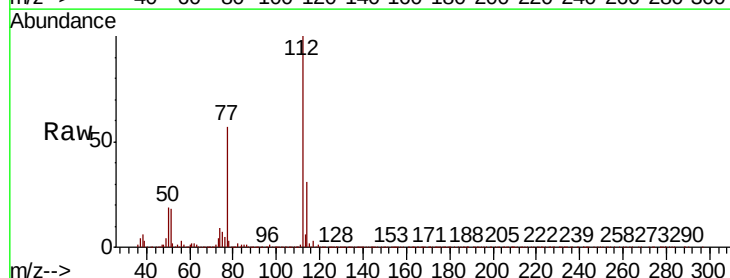
Acq: 13 Dec 2019 02:50

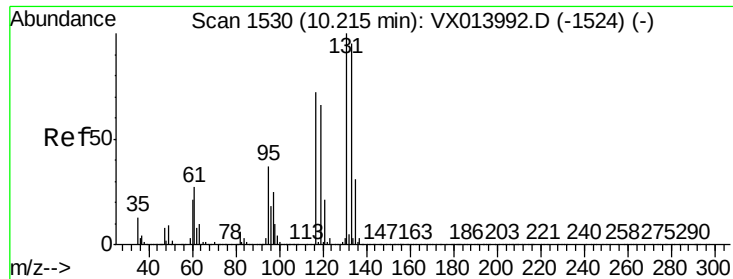
Tgt Ion: 112 Resp: 270821

Ion Ratio Lower Upper

112 100

114 31.3 24.4 36.6

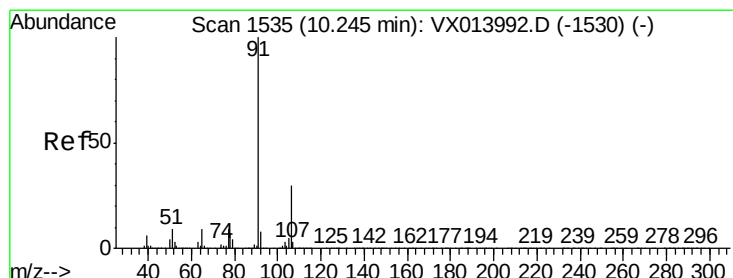
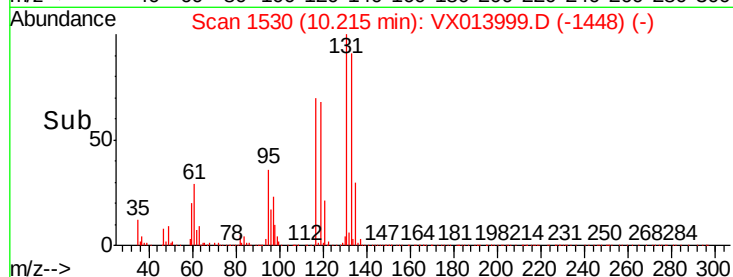
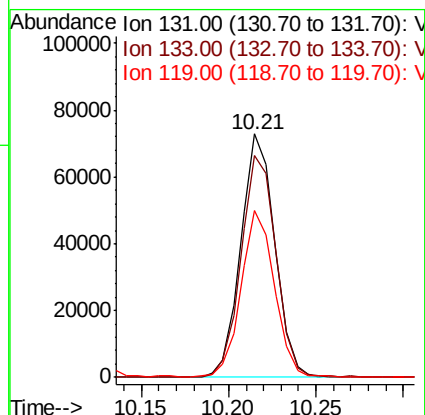
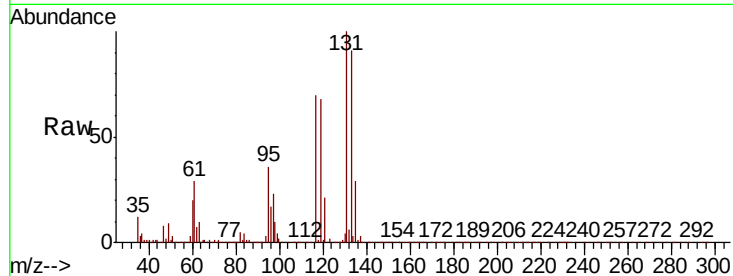




#65
 1,1,1,2-Tetrachloroethane
 Concen: 17.590 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

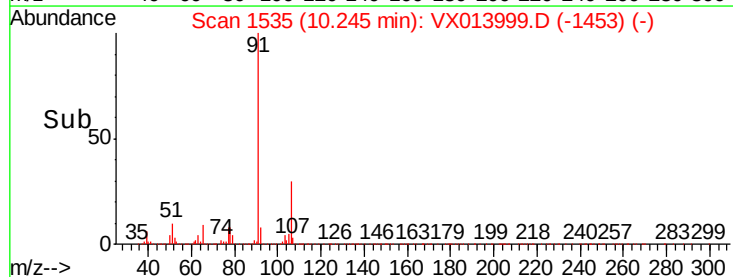
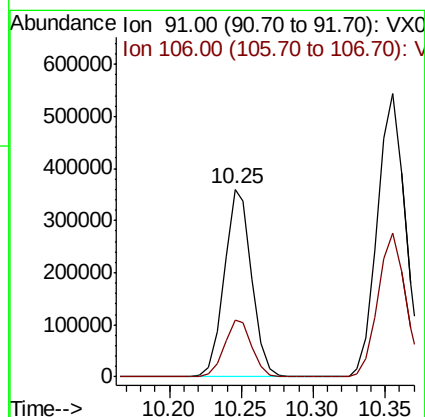
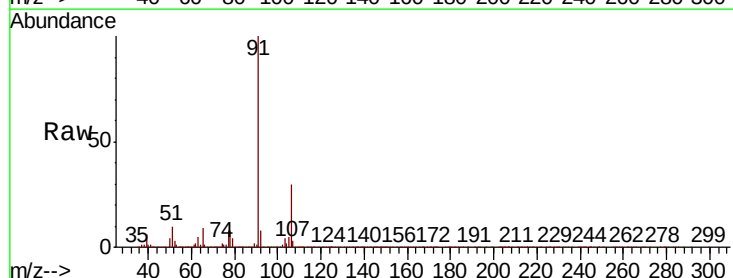
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD04

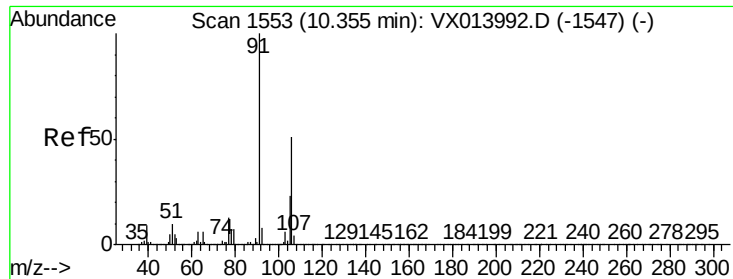
Tot Ion:131 Resp: 98339
 Ion Ratio Lower Upper
 131 100
 133 92.9 0.0 189.8
 119 66.9 0.0 132.2



#66
 Ethyl Benzene
 Concen: 18.116 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

Tgt Ion: 91 Resp: 477778
 Ion Ratio Lower Upper
 91 100
 106 30.0 24.2 36.2





#67

m/p-Xylenes

Concen: 35.980 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

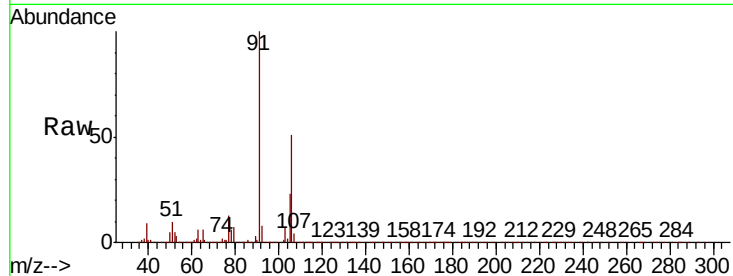
VX1212WBSD04

Tot Ion:106 Resp: 362748

Ion Ratio Lower Upper

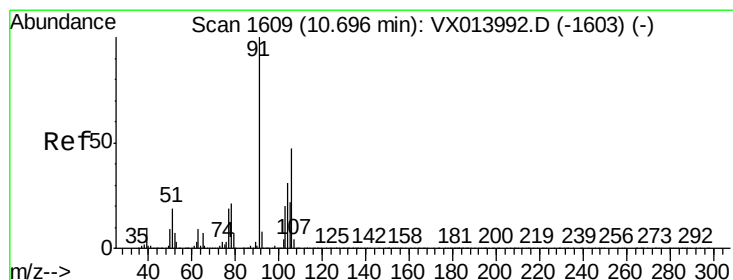
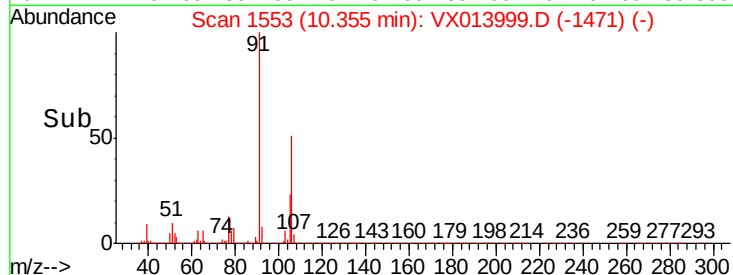
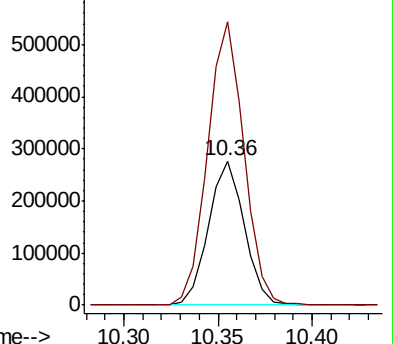
106 100

91 200.3 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 17.796 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX013999.D

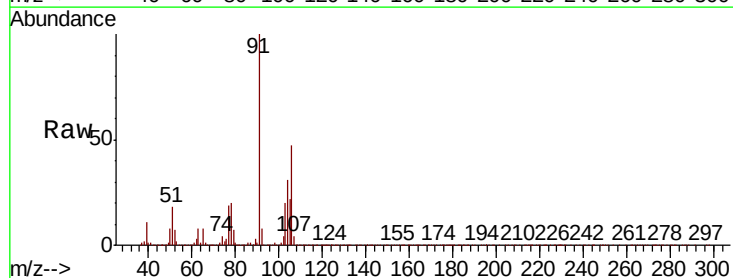
Acq: 13 Dec 2019 02:50

Tgt Ion:106 Resp: 177739

Ion Ratio Lower Upper

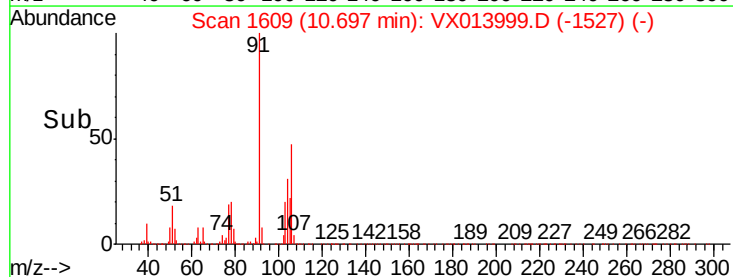
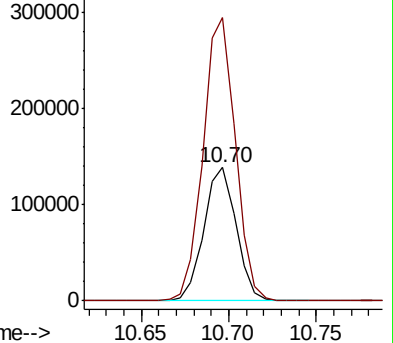
106 100

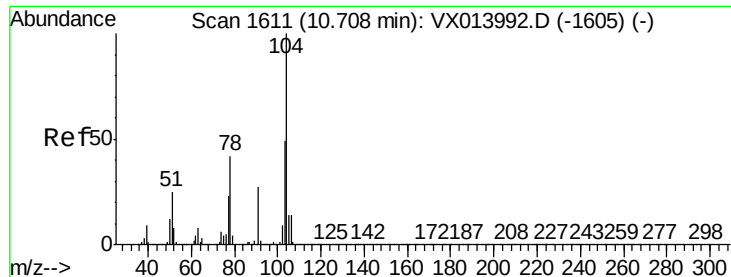
91 211.6 104.8 314.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

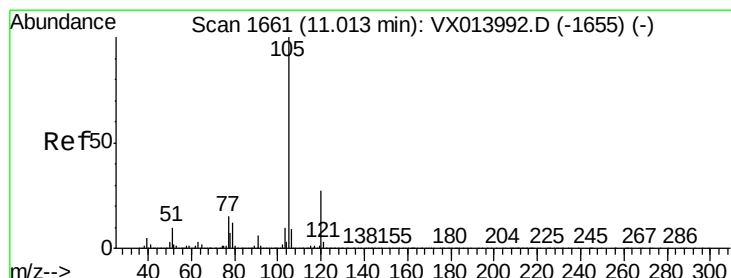
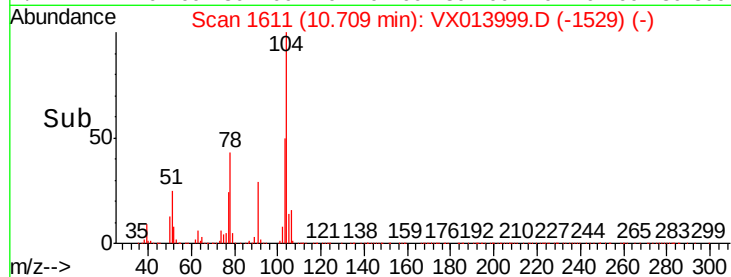
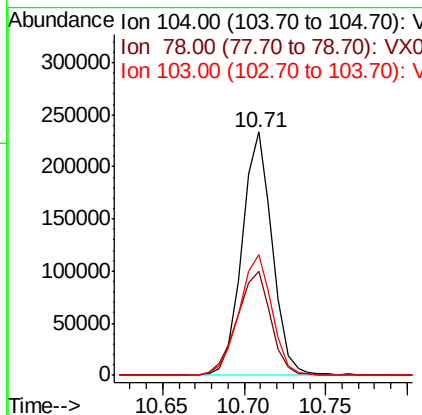
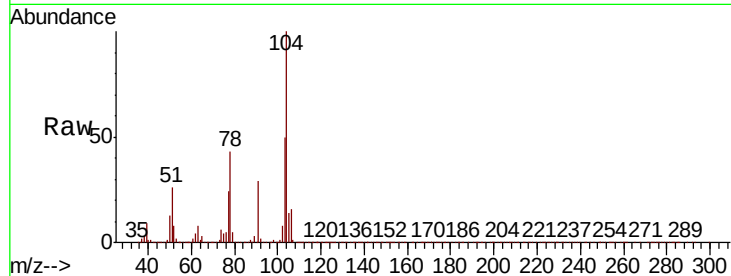




#69
Stvrene
Concen: 17.631 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

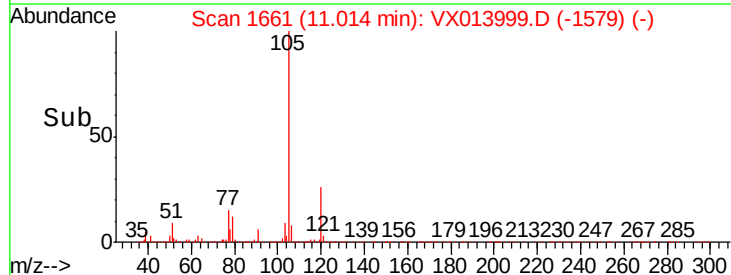
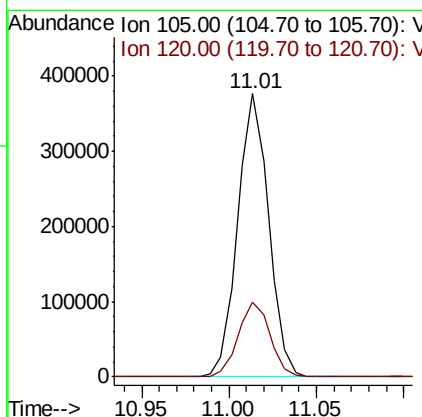
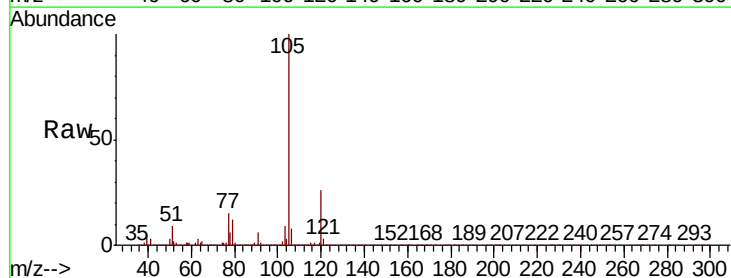
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

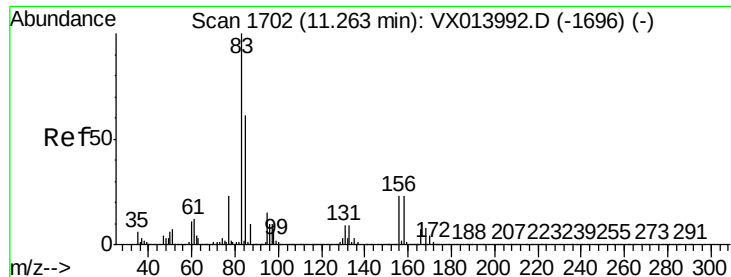
Tot Ion:104 Resp: 299449
Ion Ratio Lower Upper
104 100
78 48.3 38.9 58.3
103 54.6 44.2 66.2



#70
Isopropylbenzene
Concen: 17.927 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion:105 Resp: 462683
Ion Ratio Lower Upper
105 100
120 26.9 19.1 35.5

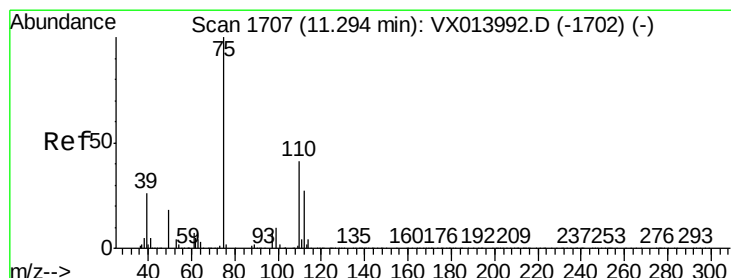
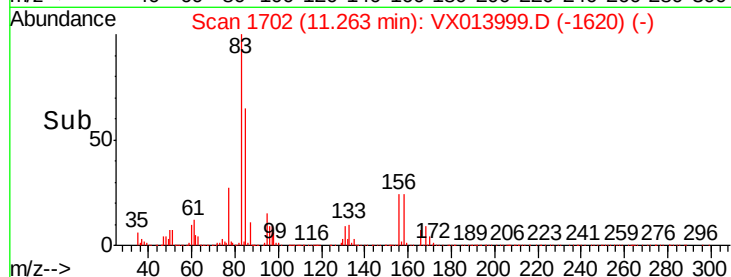
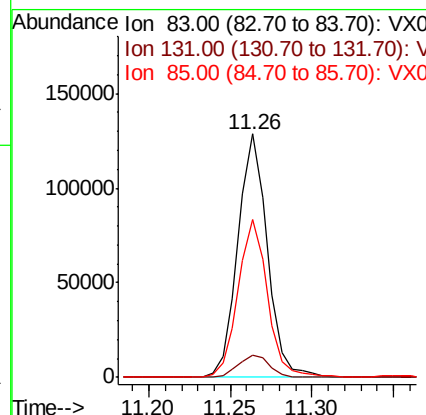
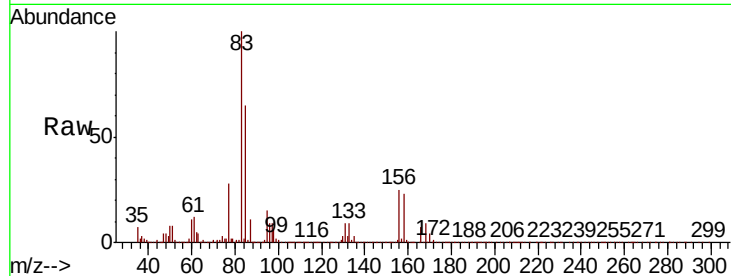




#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.761 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

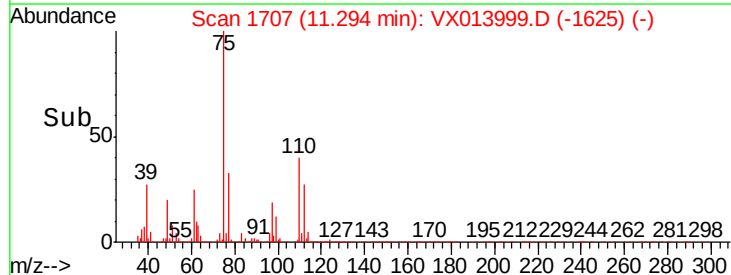
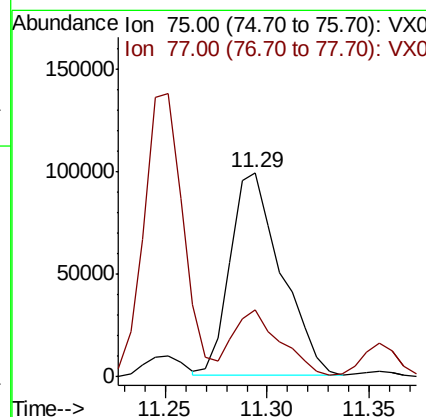
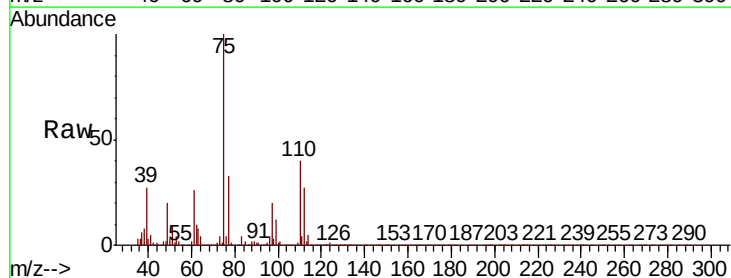
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD04

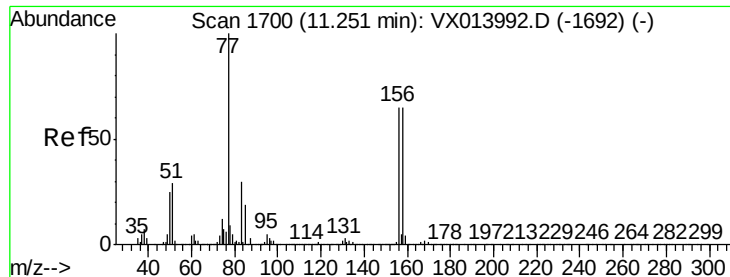
Tot Ion	83	Resp	162563
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	64.6	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 20.957 ug/l
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

Tgt Ion	75	Resp	170739
Ion Ratio	Lower	Upper	
75	100		
77	28.7	0.0	68.4





#73

Bromobenzene

Concen: 17.793 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD04

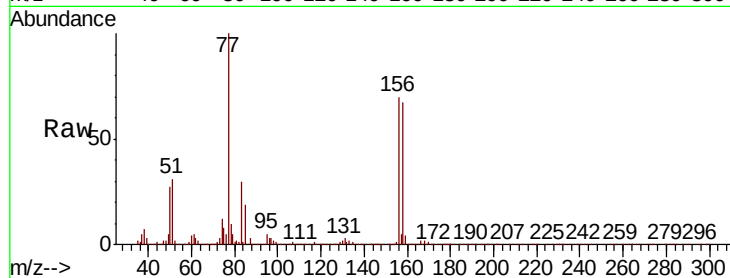
Tot Ion:156 Resp: 122594

Ion Ratio Lower Upper

156 100

77 151.0 0.0 304.6

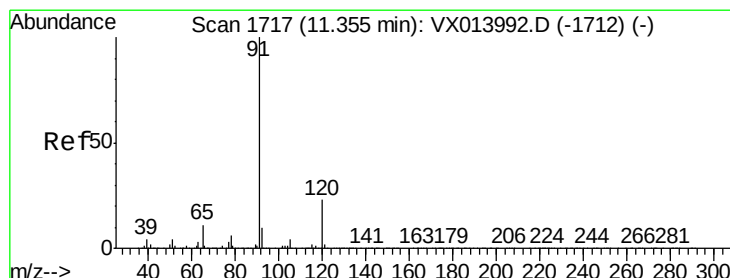
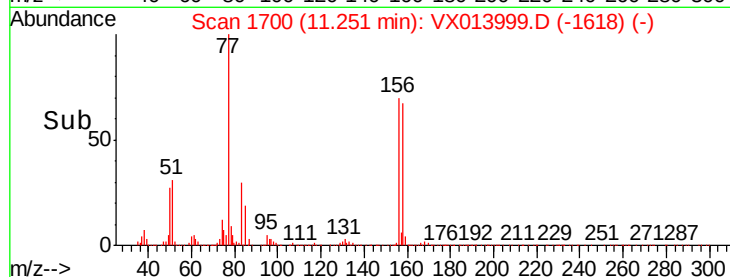
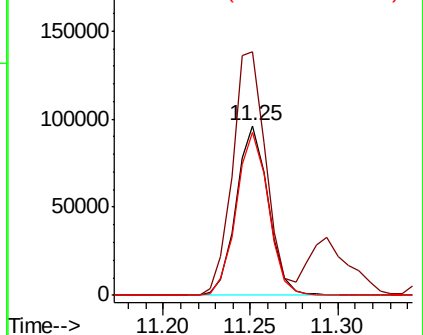
158 95.6 0.0 195.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.905 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013999.D

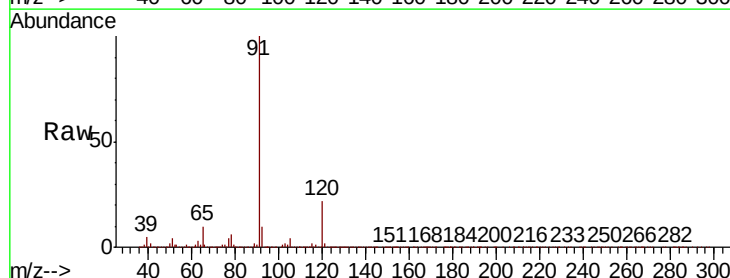
Acq: 13 Dec 2019 02:50

Tgt Ion: 91 Resp: 524152

Ion Ratio Lower Upper

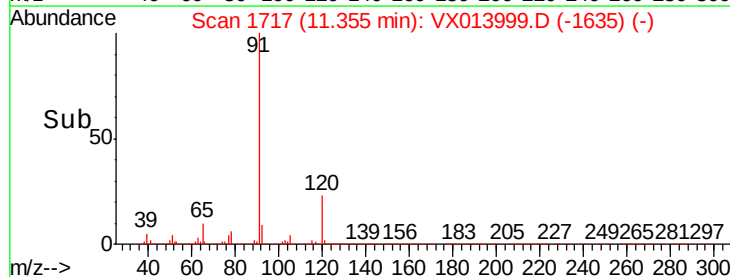
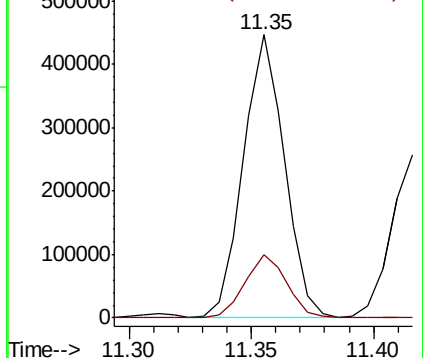
91 100

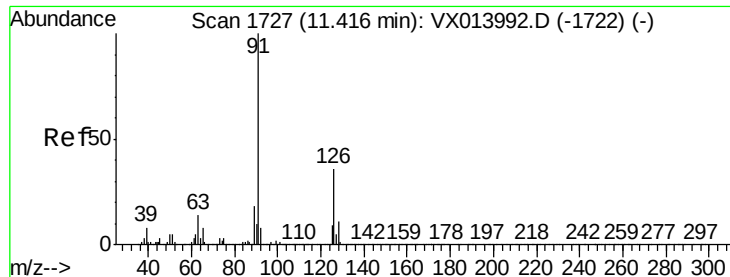
120 22.5 0.0 44.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.896 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

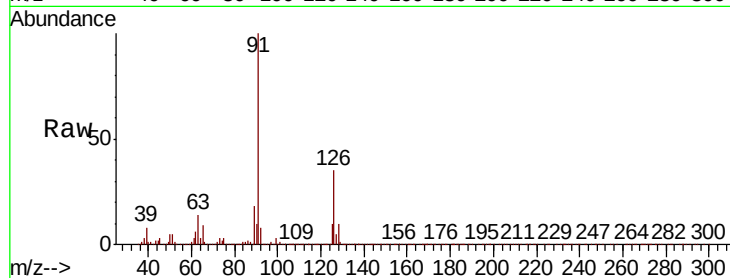
VX1212WBSD04

Tot Ion: 91 Resp: 316555

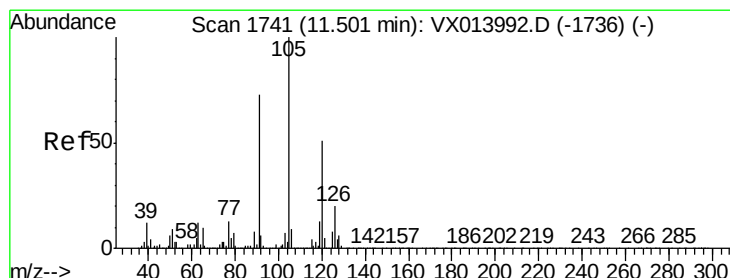
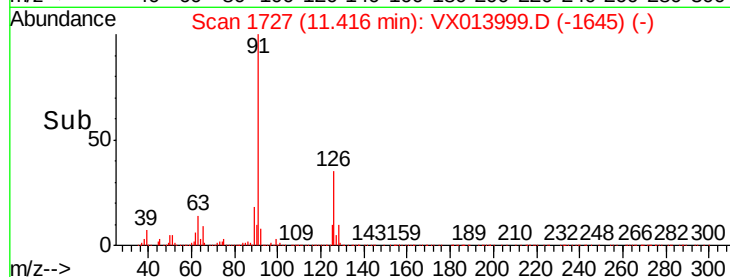
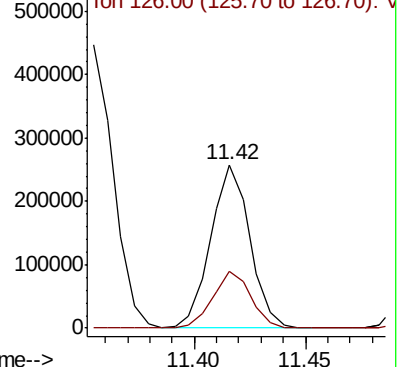
Ion Ratio Lower Upper

91 100

126 34.0 0.0 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX013999.D (-1645) (-)



#76

1,3,5-Trimethylbenzene

Concen: 17.793 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013999.D

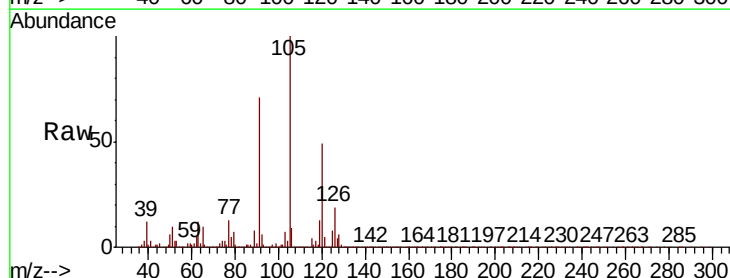
Acq: 13 Dec 2019 02:50

Tgt Ion: 105 Resp: 389577

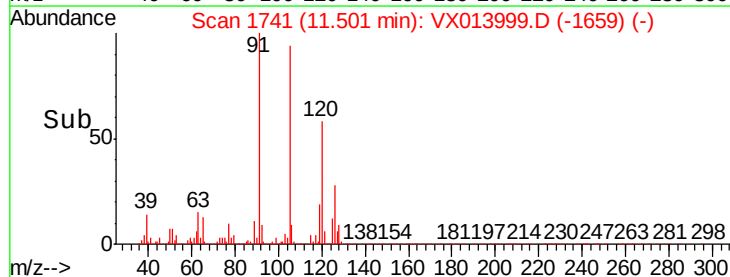
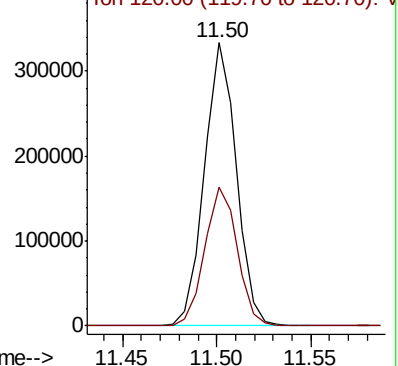
Ion Ratio Lower Upper

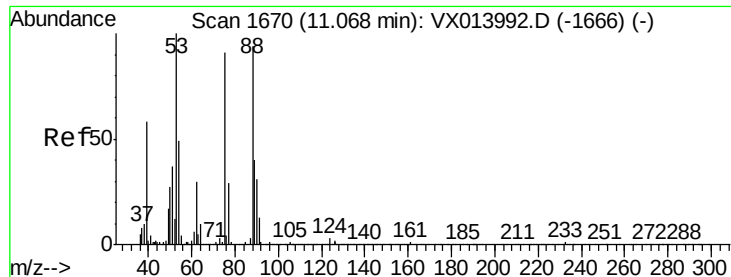
105 100

120 50.0 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VX013999.D (-1659) (-)

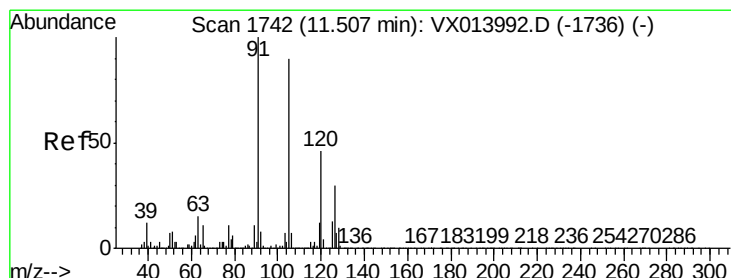
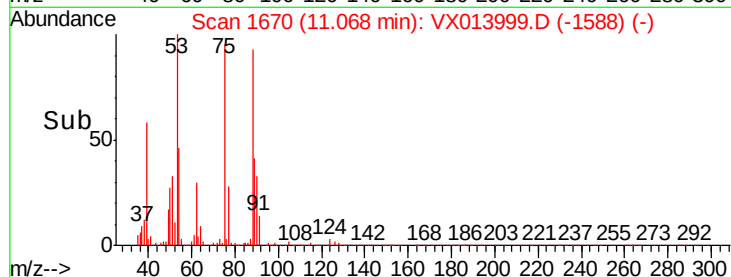
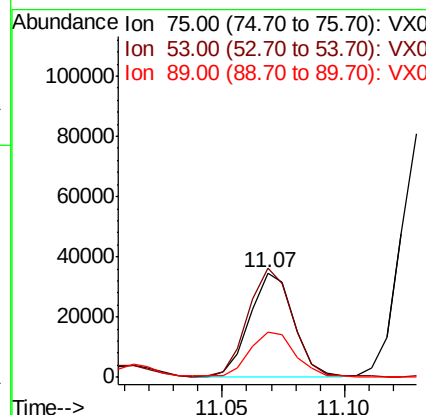
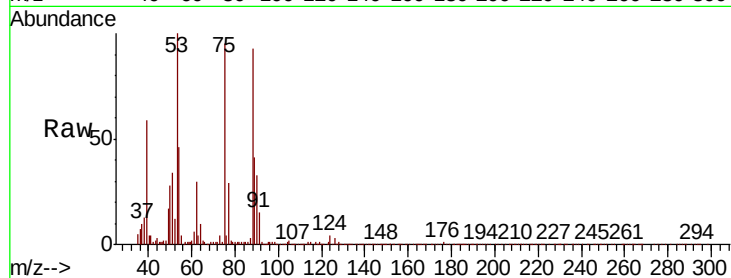




#77
t-1,4-Dichloro-2-butene
Concen: 16.185 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

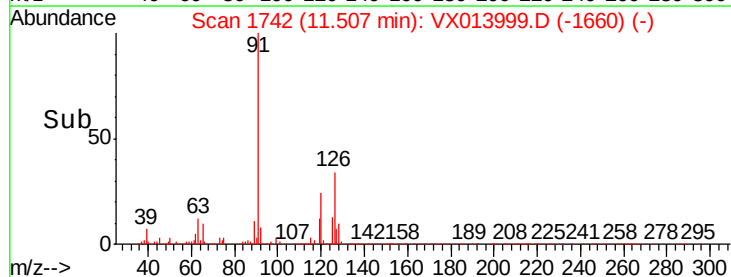
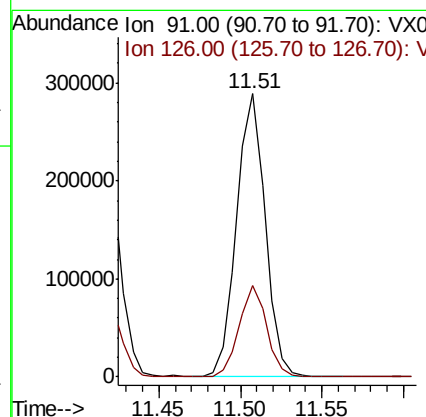
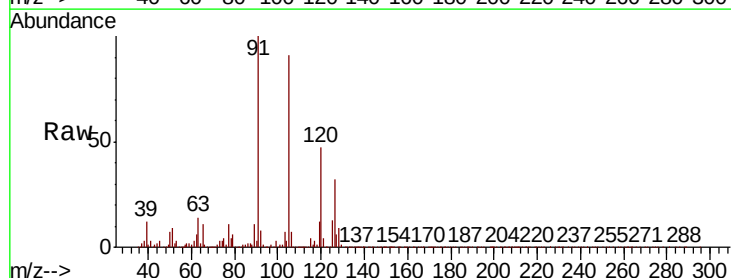
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

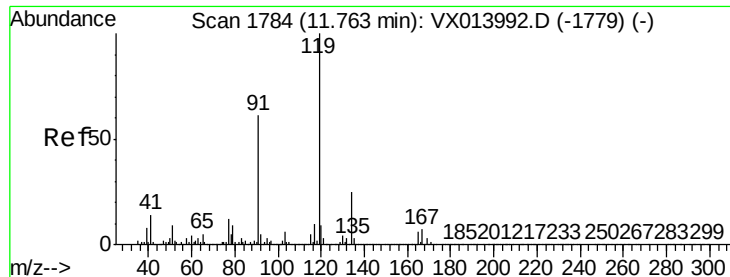
Tot Ion: 75 Resp: 43546
Ion Ratio Lower Upper
75 100
53 104.7 54.4 163.1
89 42.1 21.9 65.5



#78
4-Chlorotoluene
Concen: 17.418 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion: 91 Resp: 352061
Ion Ratio Lower Upper
91 100
126 31.0 0.0 59.6





#79

tert-butylbenzene

Concen: 17.652 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD04

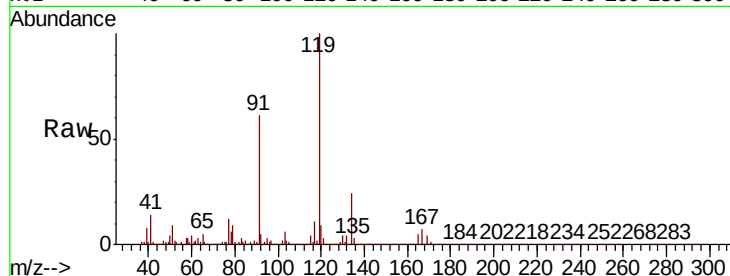
Tot Ion:119 Resp: 372533

Ion Ratio Lower Upper

119 100

91 57.3 0.0 112.6

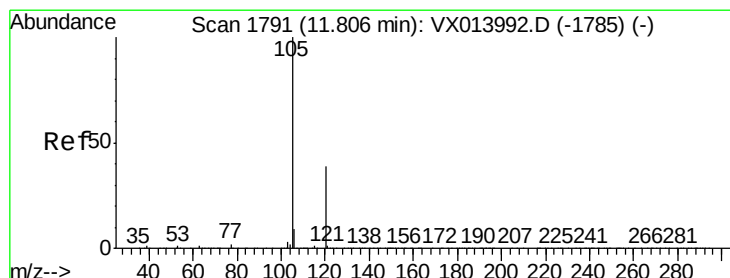
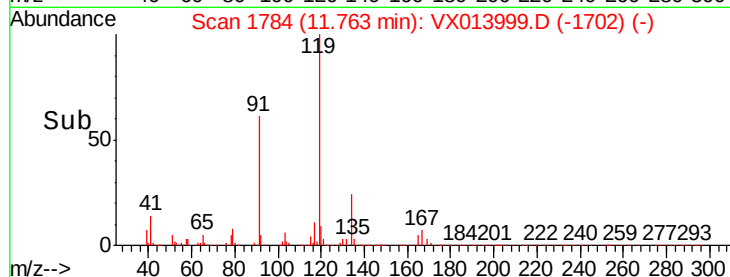
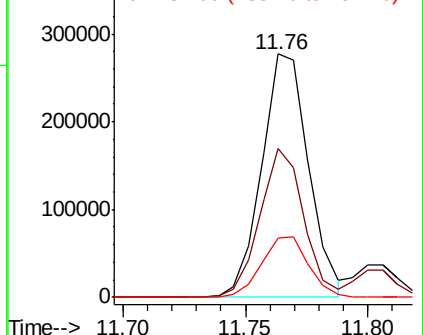
134 24.8 0.0 49.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 17.717 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX013999.D

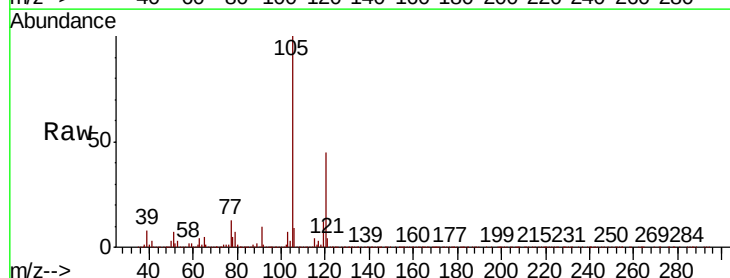
Acq: 13 Dec 2019 02:50

Tgt Ion:105 Resp: 387881

Ion Ratio Lower Upper

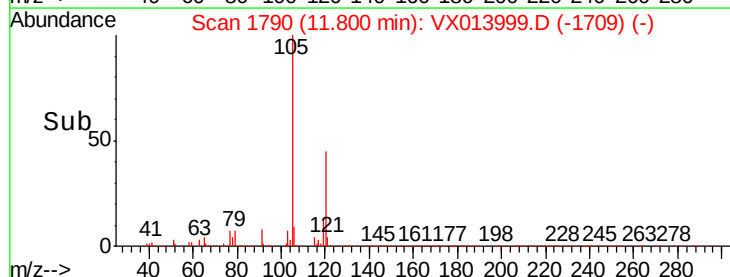
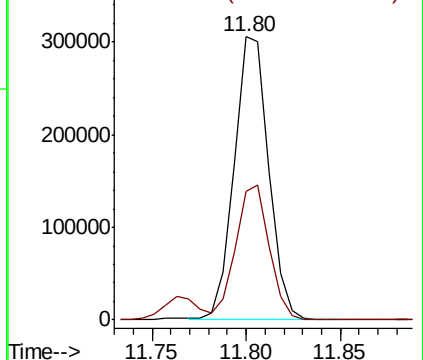
105 100

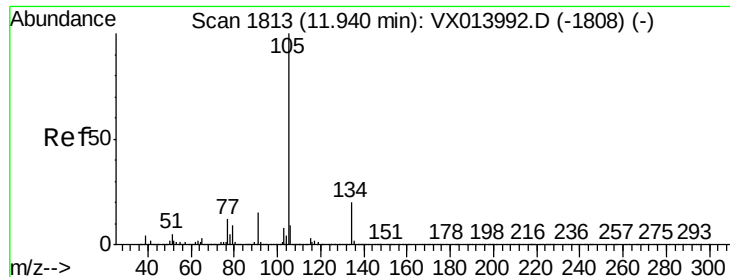
120 46.3 0.0 92.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 17.443 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

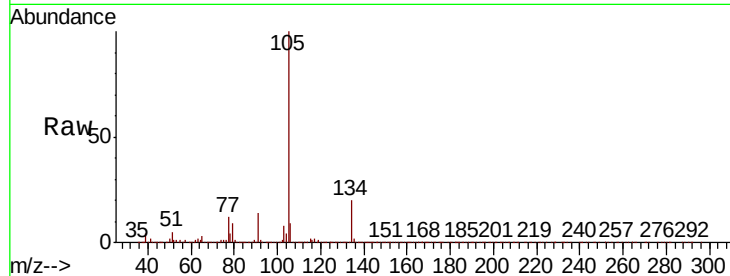
VX1212WBSD04

Tot Ion:105 Resp: 437855

Ion Ratio Lower Upper

105 100

134 20.7 0.0 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

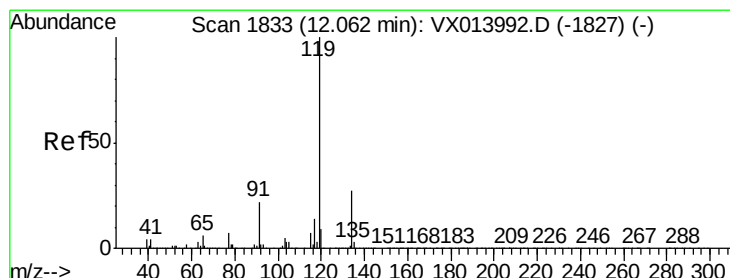
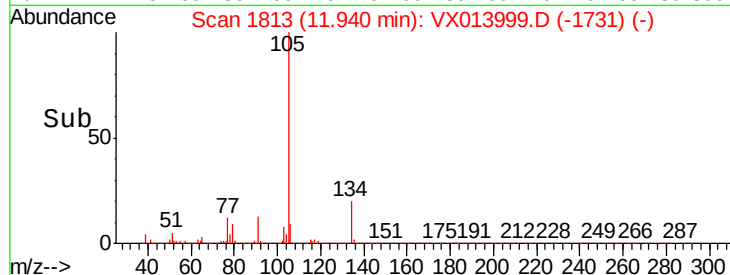
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 17.579 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

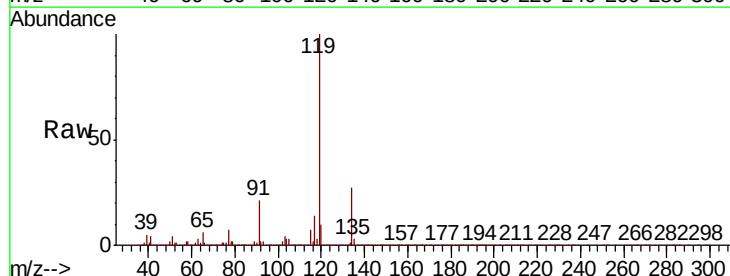
Tgt Ion:119 Resp: 398215

Ion Ratio Lower Upper

119 100

134 26.5 0.0 53.8

91 22.1 0.0 45.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

400000

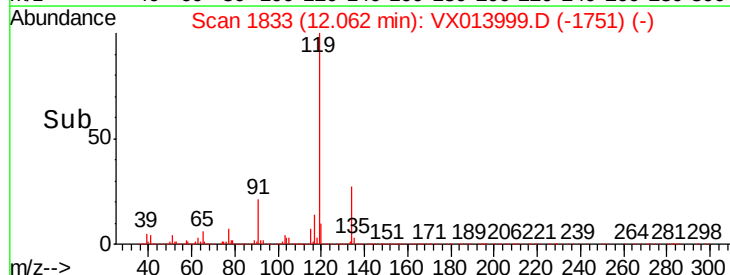
300000

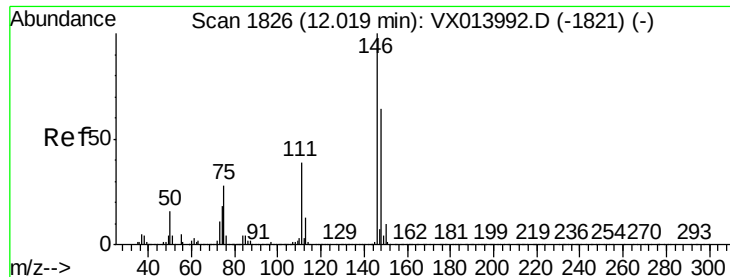
200000

100000

0

Time-->





#83

1,3-Dichlorobenzene

Concen: 17.314 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD04

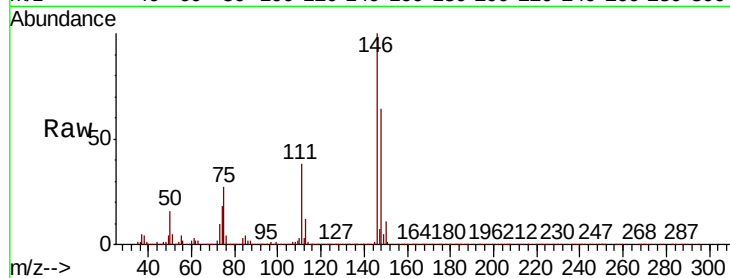
Tot Ion:146 Resp: 207922

Ion Ratio Lower Upper

146 100

111 37.9 19.3 57.9

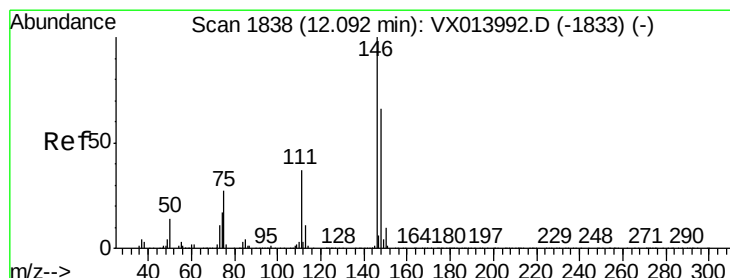
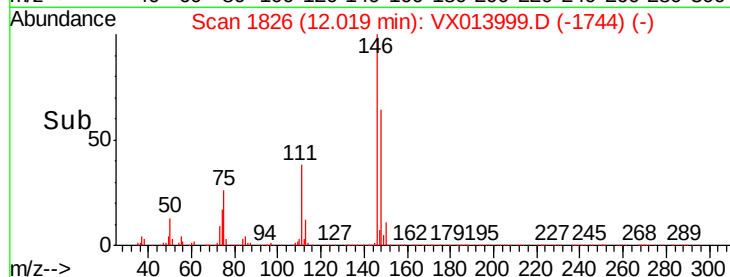
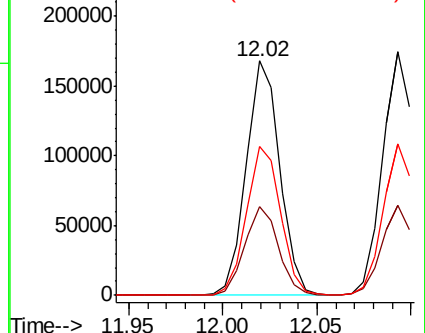
148 64.3 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 17.435 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX013999.D

Acq: 13 Dec 2019 02:50

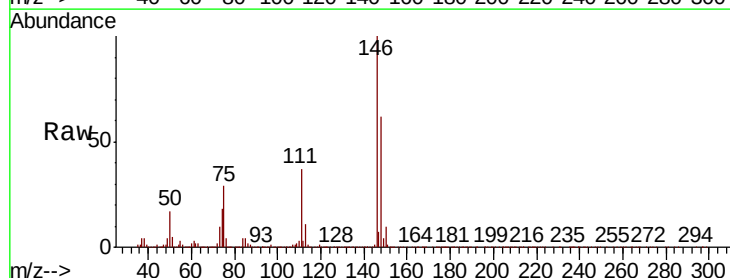
Tgt Ion:146 Resp: 208491

Ion Ratio Lower Upper

146 100

111 36.4 18.4 55.4

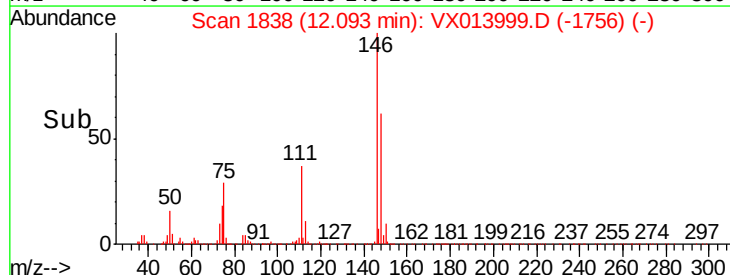
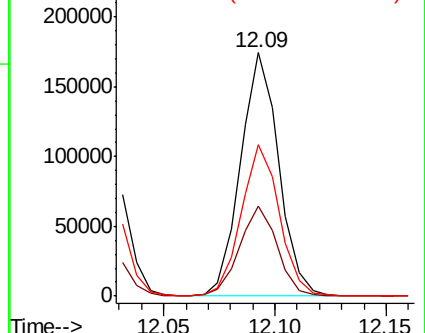
148 62.5 32.0 96.0

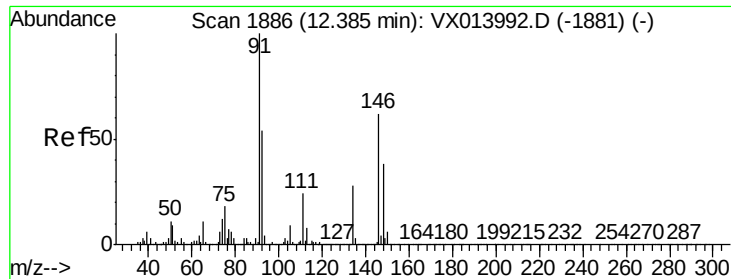


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

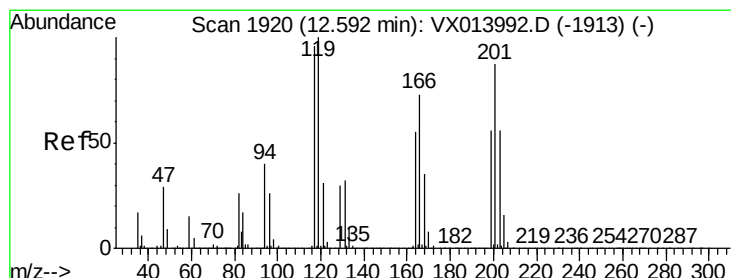
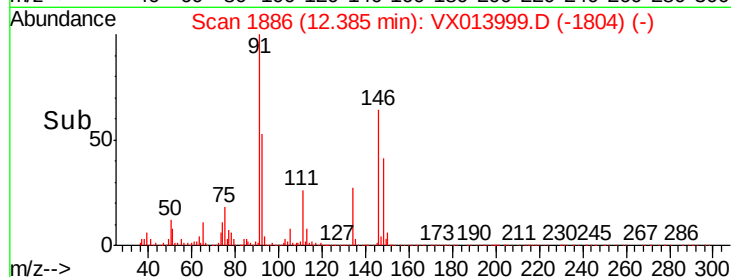
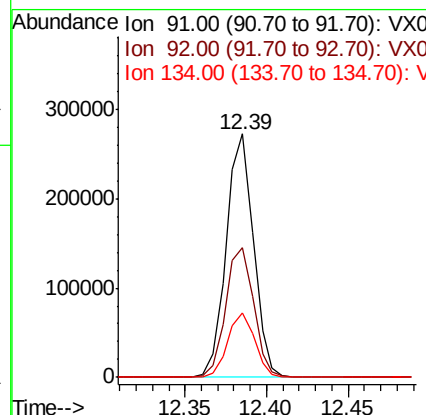
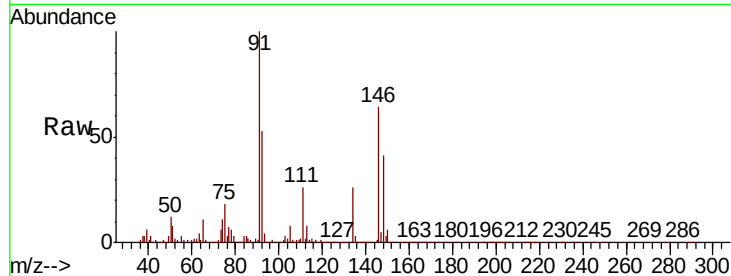




#85
n-Butylbenzene
Concen: 16.666 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

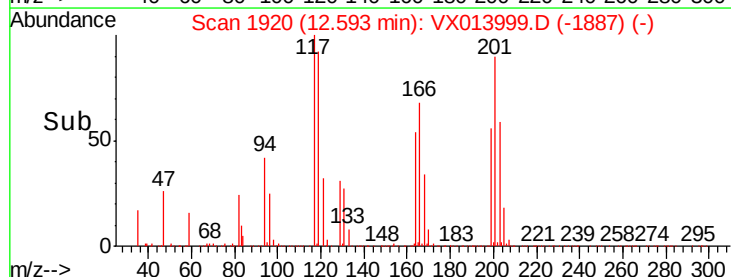
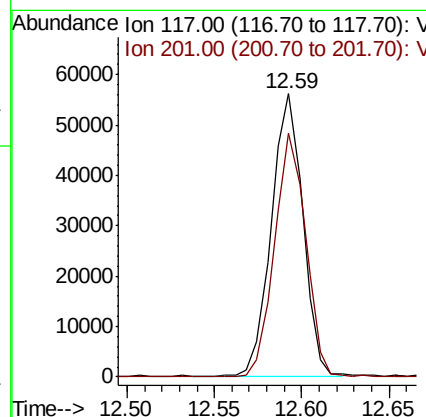
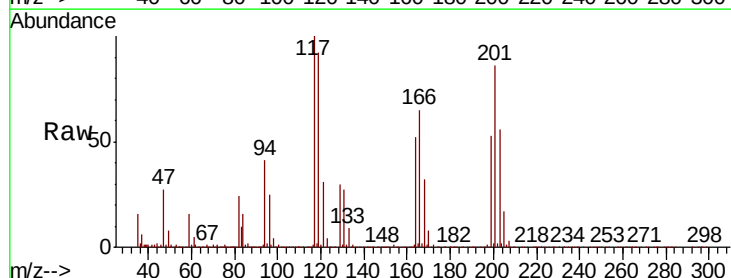
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

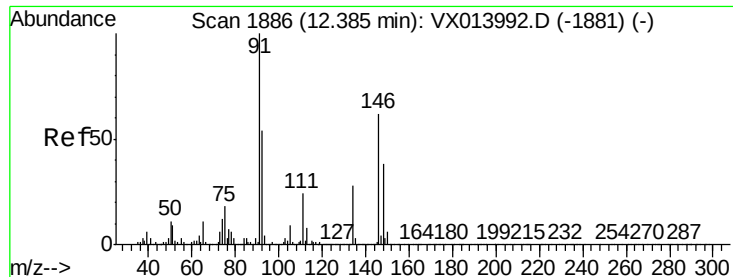
Tot Ion: 91 Resp: 317413
Ion Ratio Lower Upper
91 100
92 54.6 0.0 109.0
134 26.4 0.0 54.0



#86
Hexachloroethane
Concen: 17.056 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion: 117 Resp: 70089
Ion Ratio Lower Upper
117 100
201 85.8 44.8 134.3

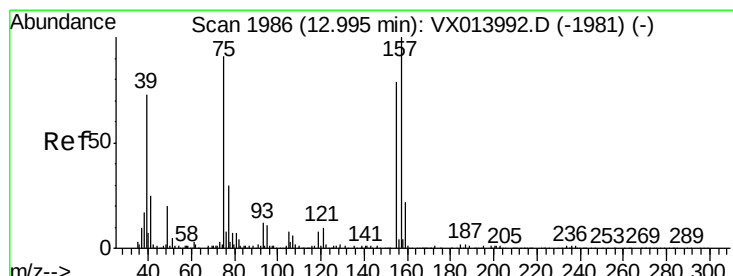
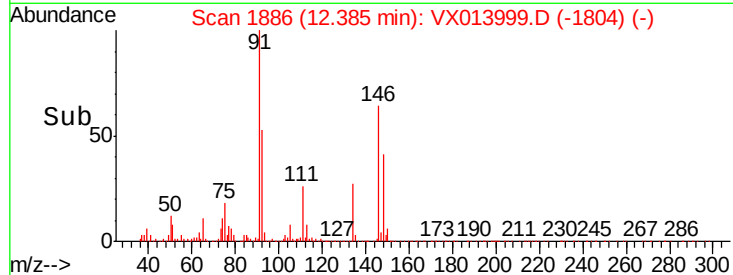
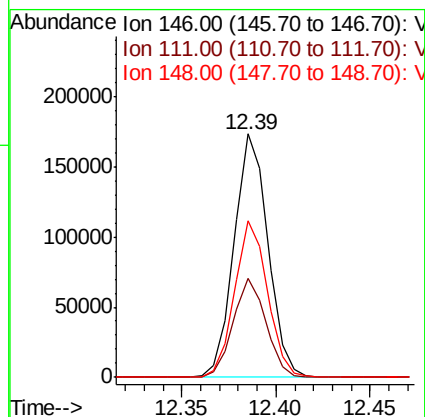
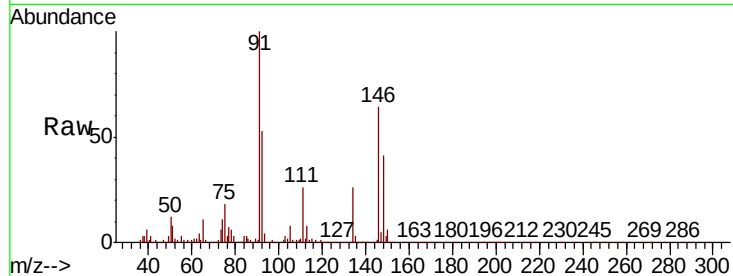




#87
 1,2-Dichlorobenzene
 Concen: 17.736 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

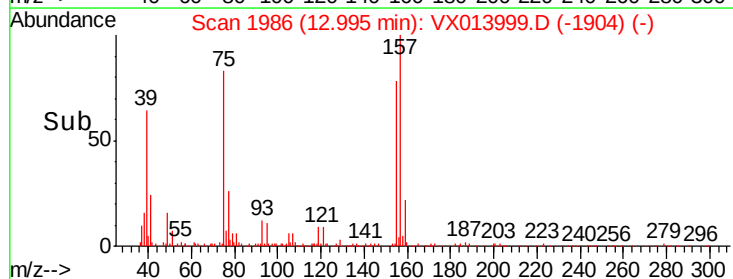
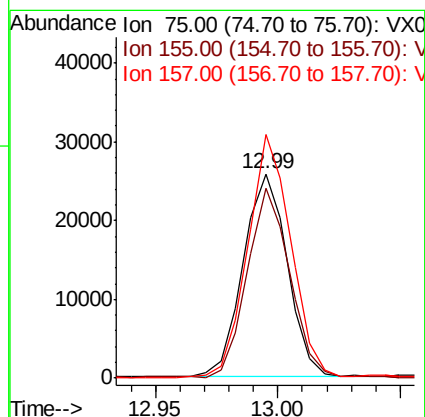
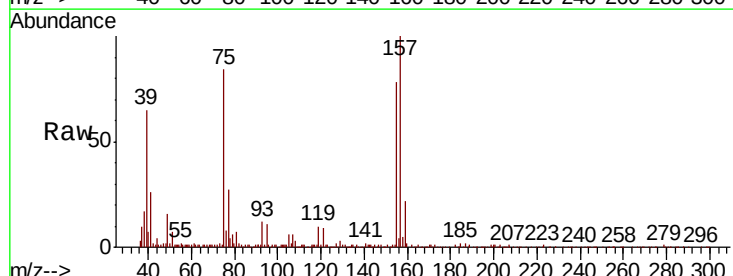
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD04

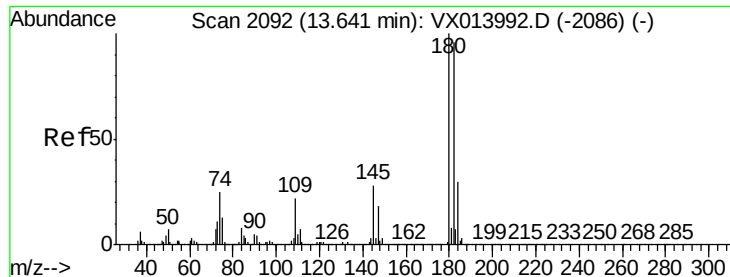
Tot Ion:146 Resp: 216344
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.1 60.2
 148 62.6 32.0 96.2



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.735 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

Tgt Ion: 75 Resp: 32354
 Ion Ratio Lower Upper
 75 100
 155 90.7 73.8 110.6
 157 118.2 95.0 142.4

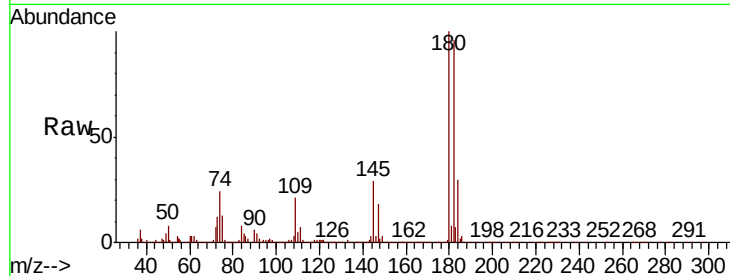




#89
 1,2,4-Trichlorobenzene
 Concen: 16.610 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD04

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.4	114.6
145	28.8	21.9	32.9

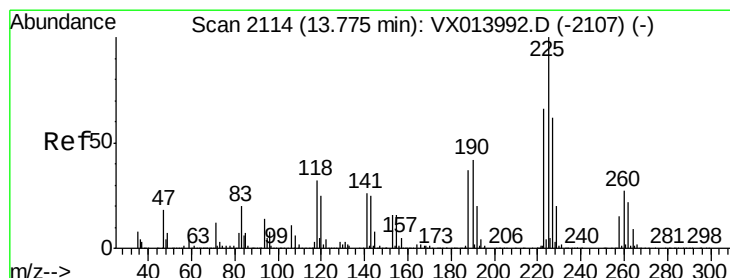
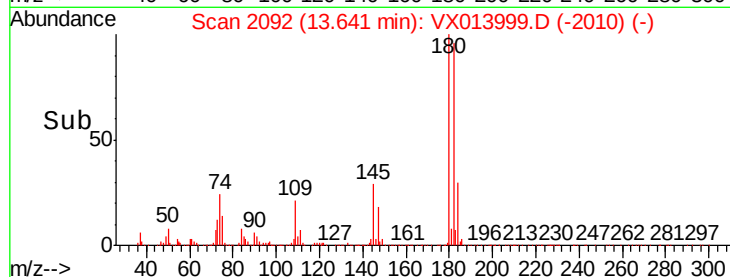
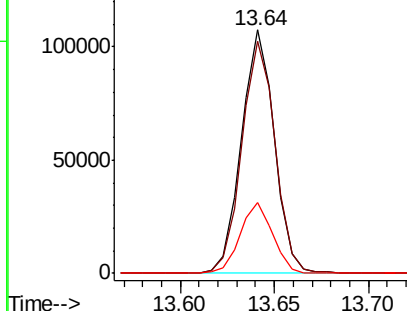


Abundance

Ion 180.00 (179.70 to 180.70): V

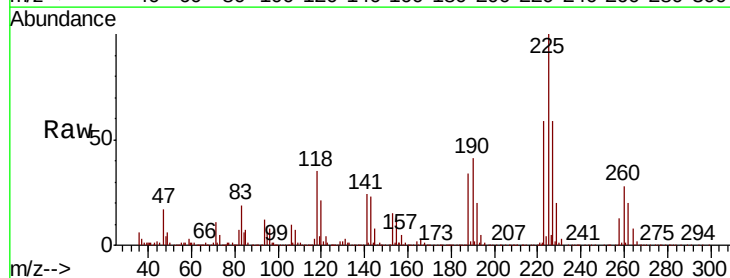
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 17.214 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013999.D
 Acq: 13 Dec 2019 02:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	127.4
227	61.8	0.0	122.8

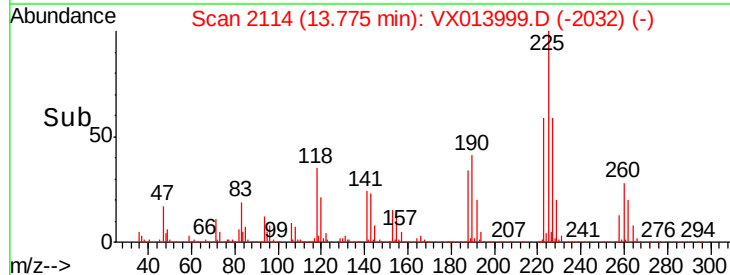
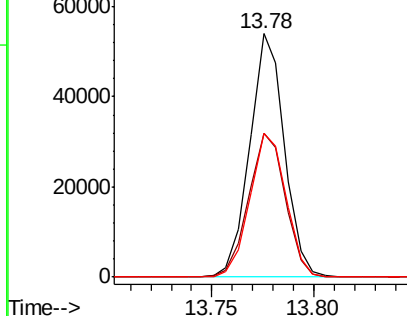


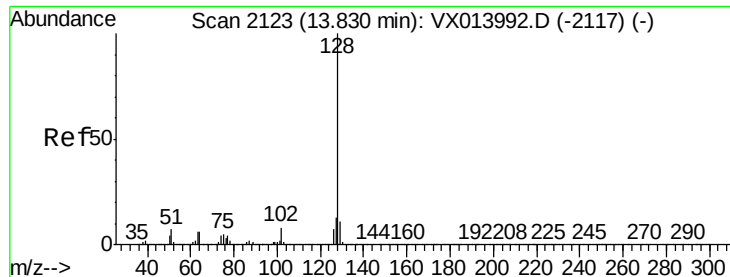
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

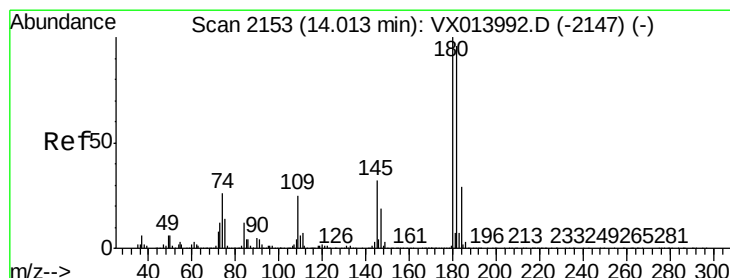
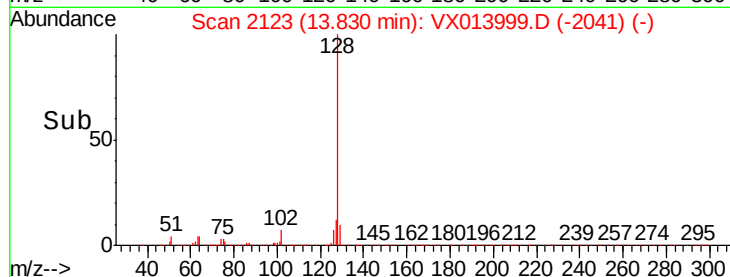
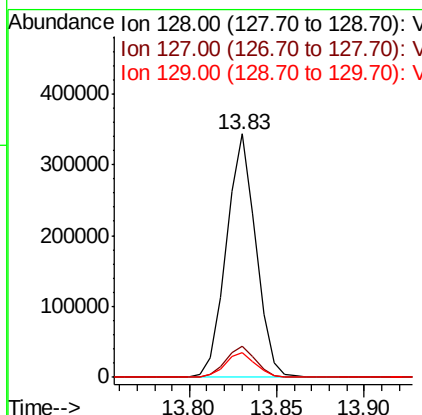
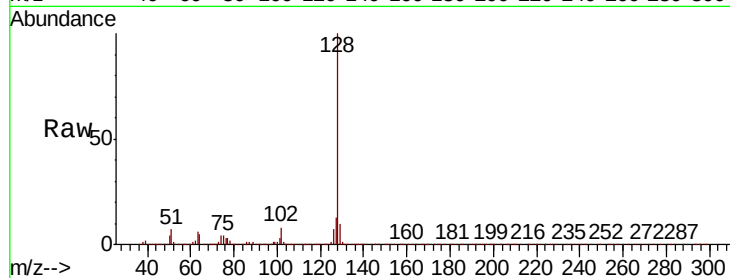




#91
Naphthalene
Concen: 17.173 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD04

Tot Ion:128 Resp: 402401
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.4 8.9 13.3



#92
1,2,3-Trichlorobenzene
Concen: 17.480 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013999.D
Acq: 13 Dec 2019 02:50

Tgt Ion:180 Resp: 138222
Ion Ratio Lower Upper
180 100
182 94.3 0.0 192.8
145 29.0 0.0 60.0

