

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
 Data File : VX014200.D
 Acq On : 23 Dec 2019 14:26
 Operator : JC/SP
 Sample : VX1223WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1223WBSD01

Quant Time: Dec 24 01:29:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	515873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	794967	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	713198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	347525	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	292547	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	5.49	113	242081	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	8.71	98	946379	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.14	95	330361	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	89072	19.300	ug/l	100
3) Chloromethane	1.32	50	123592	19.955	ug/l	100
4) Vinyl Chloride	1.40	62	128559	19.671	ug/l	100
5) Bromomethane	1.63	94	79757	17.195	ug/l	99
6) Chloroethane	1.72	64	86533	21.453	ug/l	97
7) Trichlorofluoromethane	1.92	101	168405	20.816	ug/l	98
8) Diethyl Ether	2.18	74	77025	20.286	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	100539	20.616	ug/l	97
10) Methyl Iodide	2.50	142	108643	18.628	ug/l	98
11) Tert butyl alcohol	3.03	59	136606	108.131	ug/l	99
12) 1,1-Dichloroethene	2.37	96	101311	20.416	ug/l	98
13) Acrolein	2.28	56	69752	96.452	ug/l	99
14) Allyl chloride	2.72	41	185340	20.918	ug/l	99
15) Acrylonitrile	3.13	53	319101	108.217	ug/l	99
16) Acetone	2.43	43	331863	87.430	ug/l	99
17) Carbon Disulfide	2.56	76	255279	19.002	ug/l	99
18) Methyl Acetate	2.76	43	167543	22.275	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	350576	21.499	ug/l	99
20) Methylene Chloride	2.85	84	120114	20.095	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	108480	19.843	ug/l	99
22) Diisopropyl ether	3.84	45	379601	21.500	ug/l	99
23) Vinyl Acetate	3.80	43	1600401	111.074	ug/l	99
24) 1,1-Dichloroethane	3.69	63	203358	20.702	ug/l	98
25) 2-Butanone	4.65	43	471673	100.791	ug/l	98
26) 2,2-Dichloropropane	4.58	77	161228	21.140	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	127962	20.696	ug/l	99
28) Bromochloromethane	5.00	49	74099	19.890	ug/l	99
29) Tetrahydrofuran	5.12	42	291605	111.406	ug/l	100
30) Chloroform	5.20	83	197211	21.178	ug/l	98
31) Cyclohexane	5.57	56	182100	20.843	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	167120	21.057	ug/l	100
36) 1,1-Dichloropropene	5.79	75	146903	20.139	ug/l	99
37) Ethyl Acetate	4.82	43	174405	21.652	ug/l	99
38) Carbon Tetrachloride	5.78	117	139655	21.017	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX122319\
 Data File : VX014200.D
 Acq On : 23 Dec 2019 14:26
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 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
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 VX1223WBSD01

Quant Time: Dec 24 01:29:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	179593	19.940	ug/l	97
40) Benzene	6.14	78	460246	20.507	ug/l	100
41) Methacrylonitrile	5.03	41	94994	21.255	ug/l	99
42) 1,2-Dichloroethane	6.18	62	157509	20.703	ug/l	98
43) Isopropyl Acetate	6.43	43	284226	21.322	ug/l	99
44) Trichloroethene	7.21	130	126246	20.365	ug/l	100
45) 1,2-Dichloropropane	7.51	63	118256	20.557	ug/l	98
46) Dibromomethane	7.65	93	77089	20.269	ug/l	99
47) Bromodichloromethane	7.89	83	148299	20.704	ug/l	100
48) Methyl methacrylate	7.76	41	139351	21.348	ug/l	99
49) 1,4-Dioxane	7.73	88	59175	445.467	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	893434	106.719	ug/l	100
52) Toluene	8.78	92	289459	20.405	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	163826	20.859	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	187395	21.416	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	118994	20.929	ug/l	96
56) Ethyl methacrylate	9.17	69	188440	21.099	ug/l	99
57) 1,3-Dichloropropane	9.37	76	202060	21.123	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	349070	103.280	ug/l	100
59) 2-Hexanone	9.48	43	697844	103.548	ug/l	99
60) Dibromochloromethane	9.57	129	121452	21.490	ug/l	98
61) 1,2-Dibromoethane	9.67	107	125176	21.518	ug/l	98
64) Tetrachloroethene	9.33	164	142227	22.537	ug/l	97
65) Chlorobenzene	10.14	112	312148	20.584	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	114535	21.153	ug/l	99
67) Ethyl Benzene	10.25	91	548928	21.055	ug/l	99
68) m/p-Xylenes	10.35	106	412918	41.179	ug/l	100
69) o-Xylene	10.70	106	202677	20.609	ug/l	98
70) Styrene	10.71	104	344430	20.712	ug/l	99
71) Bromoform	10.85	173	90112	20.704	ug/l	97
73) Isopropylbenzene	11.01	105	536896	21.942	ug/l	100
74) N-amyl acetate	10.89	43	250592	21.849	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	179221	21.127	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	206964	27.432	ug/l	88
77) Bromobenzene	11.25	156	139590	20.735	ug/l	100
78) n-propylbenzene	11.35	91	601360	21.911	ug/l	100
79) 2-Chlorotoluene	11.42	91	357302	21.416	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	446828	21.698	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	56922	21.295	ug/l	94
82) 4-Chlorotoluene	11.51	91	405011	20.928	ug/l	99
83) tert-Butylbenzene	11.76	119	425245	21.220	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	447680	21.708	ug/l	100
85) sec-Butylbenzene	11.94	105	515453	21.788	ug/l	100
86) p-Isopropyltoluene	12.06	119	466906	21.575	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	243525	20.640	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	242946	20.250	ug/l	99
89) n-Butylbenzene	12.38	91	392874	21.276	ug/l	99
90) Hexachloroethane	12.59	117	78489	20.192	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	241653	20.346	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	38562	20.542	ug/l	99

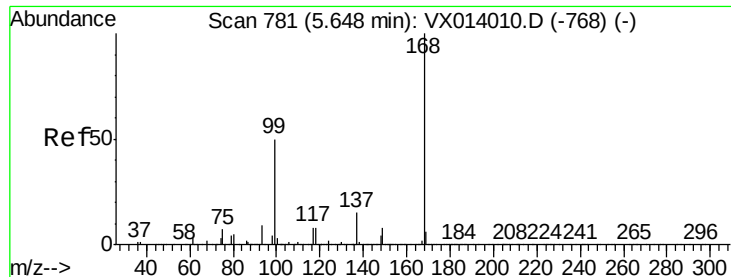
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
Data File : VX014200.D
Acq On : 23 Dec 2019 14:26
Operator : JC/SP
Sample : VX1223WBSD01
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Instrument :
MSVOA_X
ClientSampleId :
VX1223WBSD01

Quant Time: Dec 24 01:29:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	158136	20.484	ug/l	98
94) Hexachlorobutadiene	13.77	225	77290	20.832	ug/l	96
95) Naphthalene	13.83	128	493811	21.772	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	158955	20.859	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

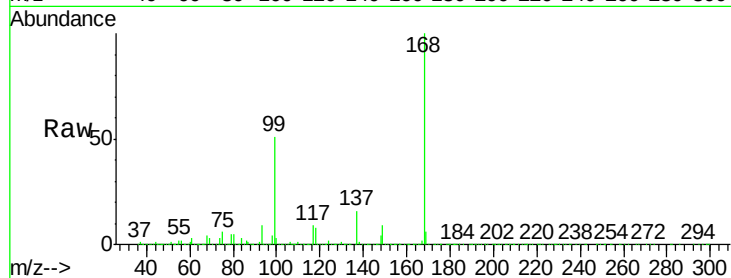
VX1223WBSD01

Tgt Ion:168 Resp: 515873

Ion Ratio Lower Upper

168 100

99 50.6 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

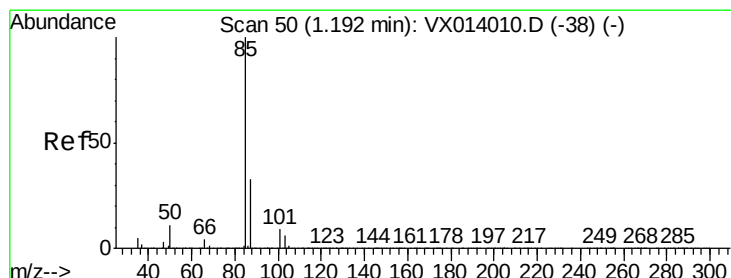
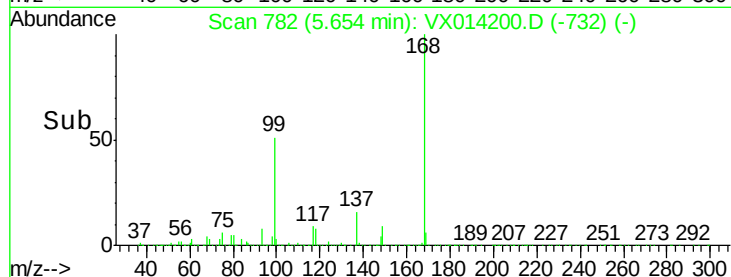
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.300 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014200.D

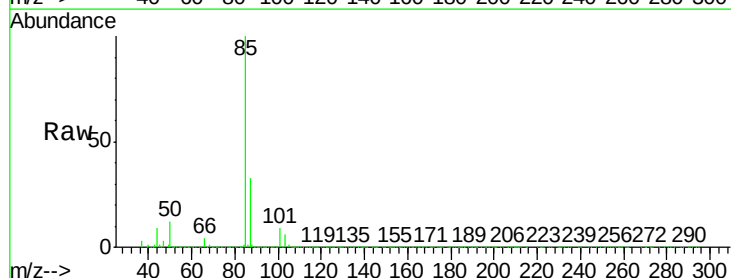
Acq: 23 Dec 2019 14:26

Tgt Ion: 85 Resp: 89072

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

100000

80000

60000

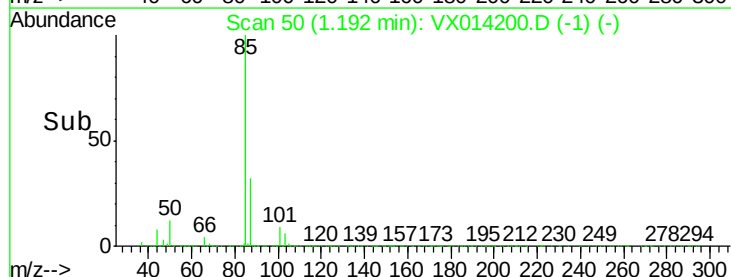
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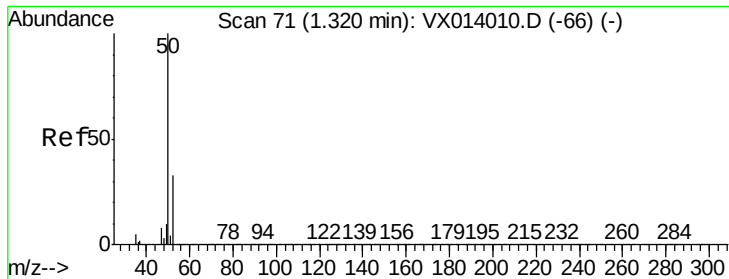
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.955 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

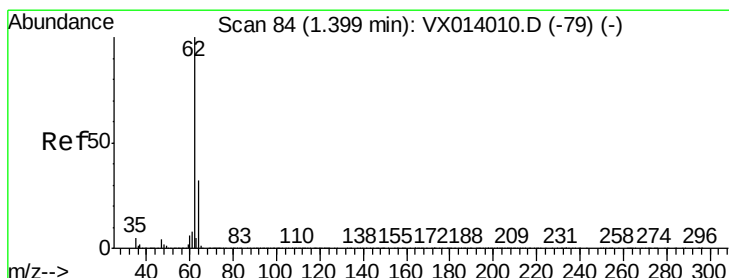
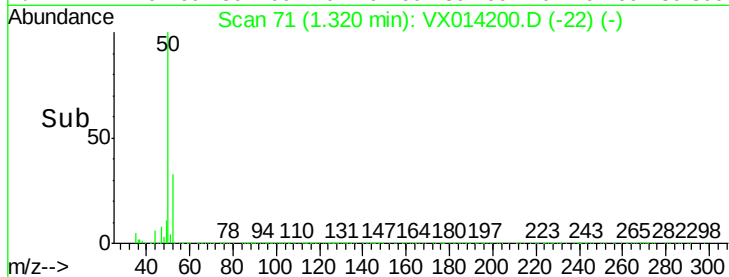
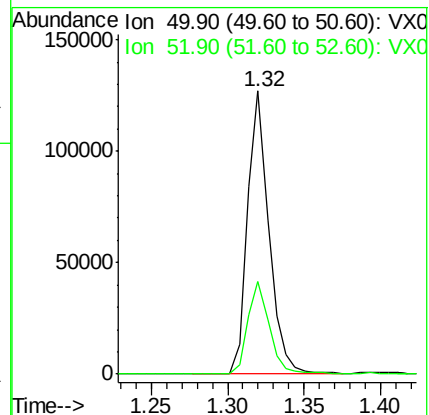
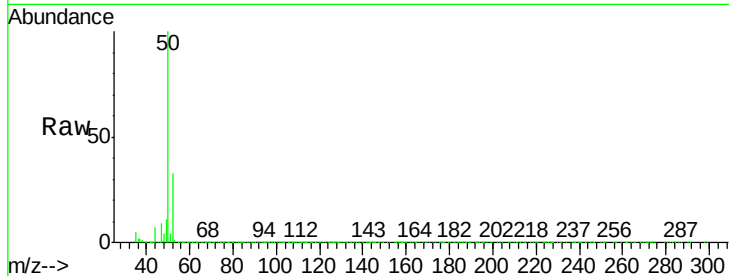
VX1223WBSD01

Tgt Ion: 50 Resp: 123592

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.4



#4

Vinyl Chloride

Concen: 19.671 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014200.D

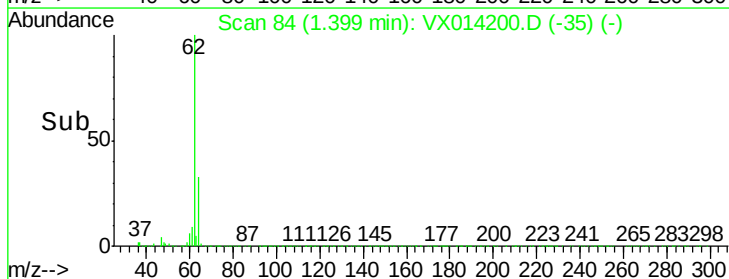
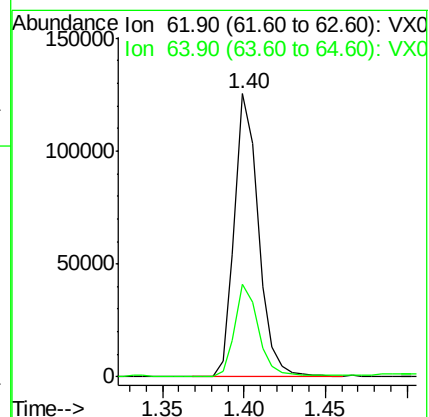
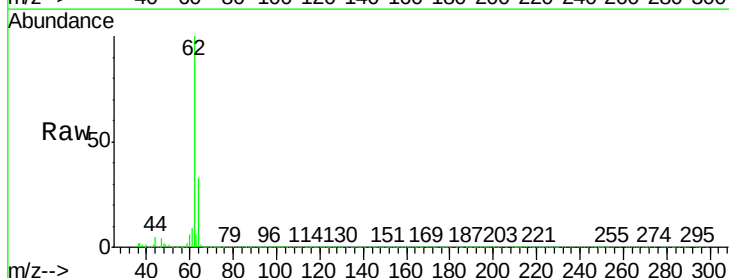
Acq: 23 Dec 2019 14:26

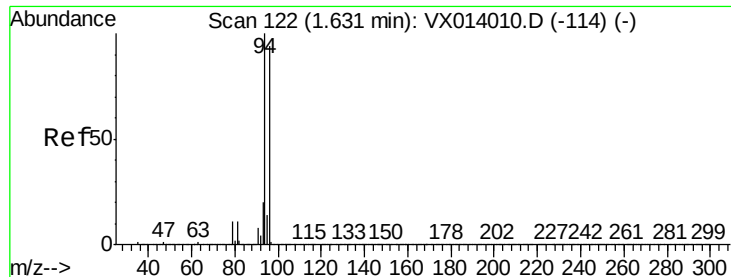
Tgt Ion: 62 Resp: 128559

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5





#5

Bromomethane

Concen: 17.195 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

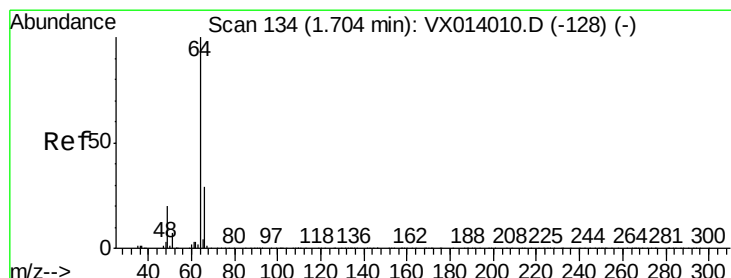
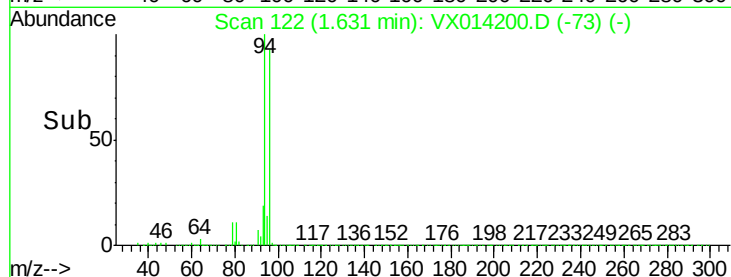
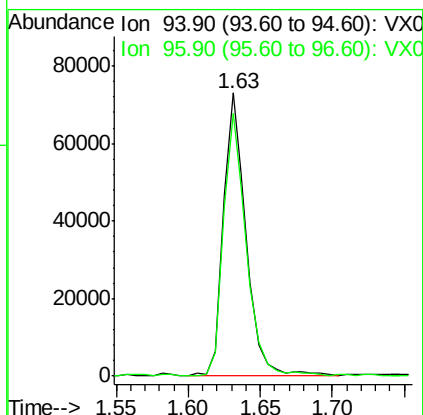
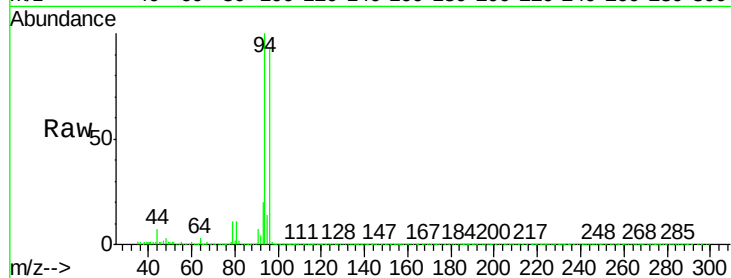
VX1223WBSD01

Tgt Ion: 94 Resp: 79757

Ion Ratio Lower Upper

94 100

96 92.8 75.2 112.8



#6

Chloroethane

Concen: 21.453 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX014200.D

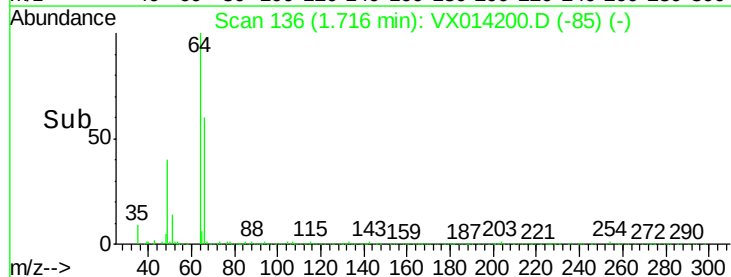
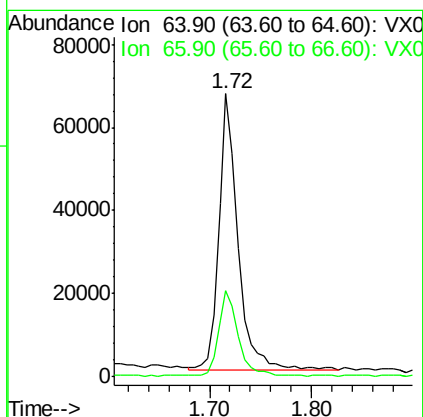
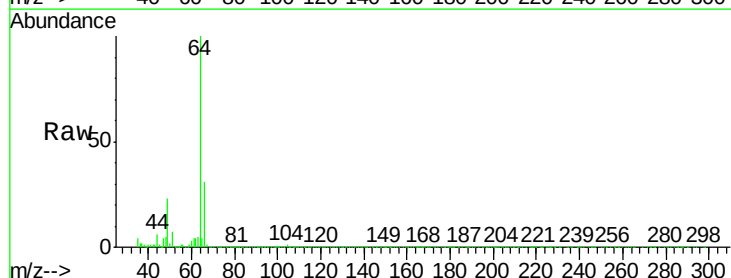
Acq: 23 Dec 2019 14:26

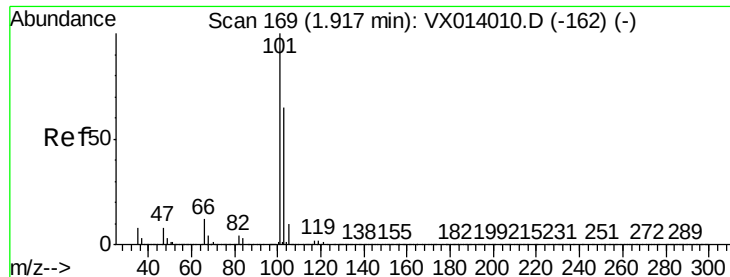
Tgt Ion: 64 Resp: 86533

Ion Ratio Lower Upper

64 100

66 31.1 23.4 35.2



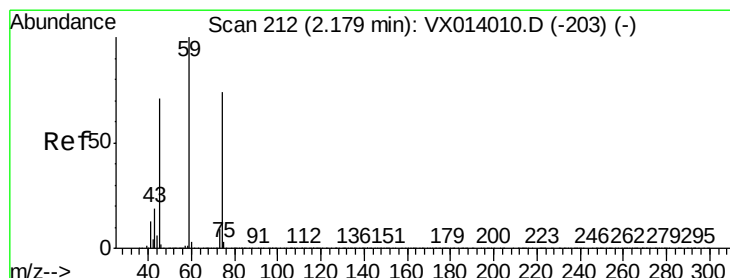
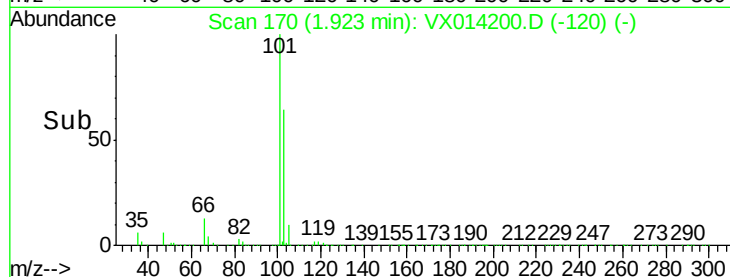
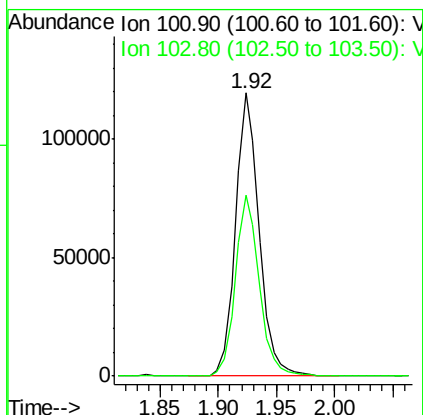
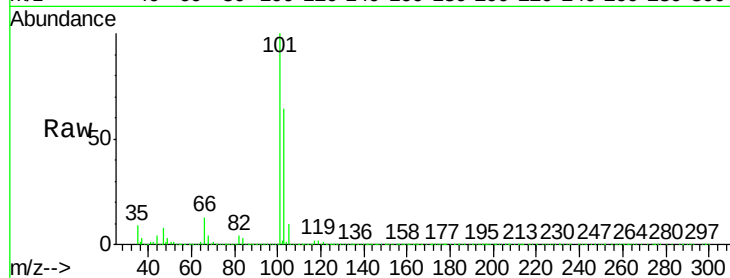


#7

Trichlorofluoromethane
Concen: 20.816 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
VX1223WBSD01

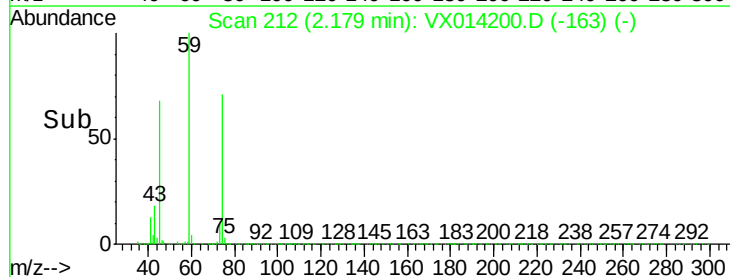
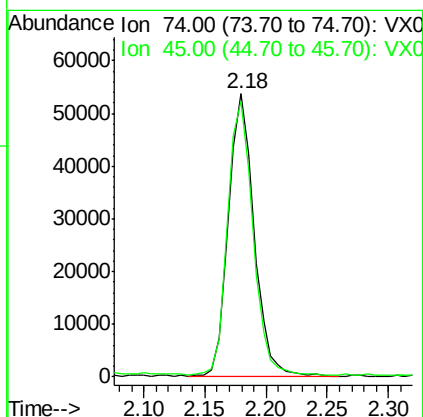
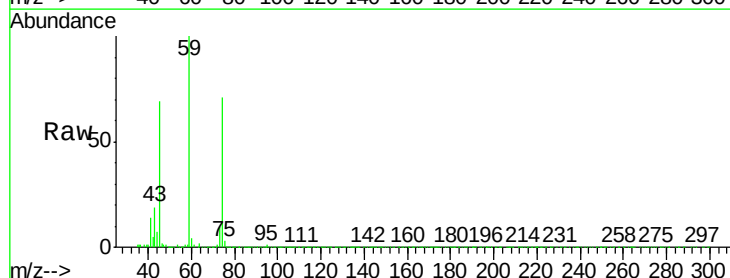
Tgt Ion:101 Resp: 168405
Ion Ratio Lower Upper
101 100
103 63.8 52.2 78.4

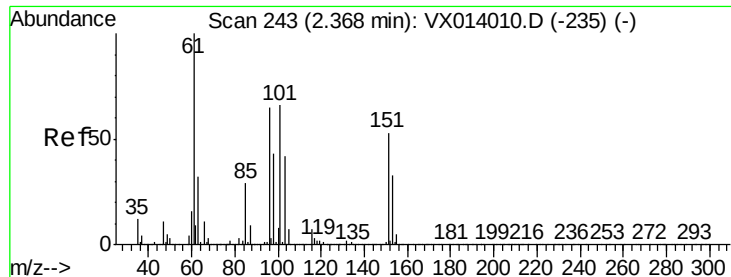


#8

Diethyl Ether
Concen: 20.286 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Tgt Ion: 74 Resp: 77025
Ion Ratio Lower Upper
74 100
45 96.9 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.616 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBSD01

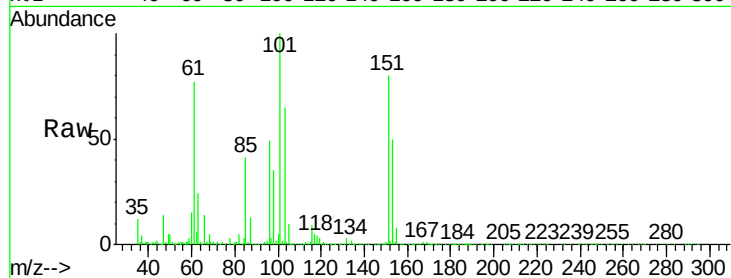
Tgt Ion:101 Resp: 100539

Ion Ratio Lower Upper

101 100

85 43.1 33.7 50.5

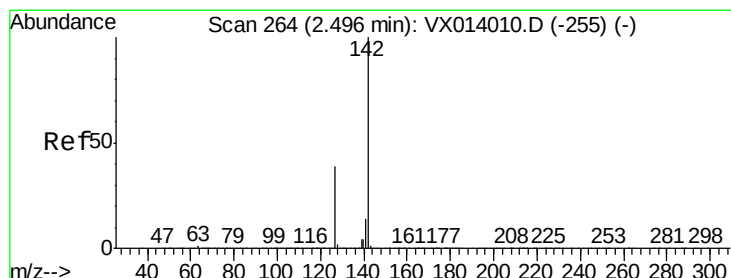
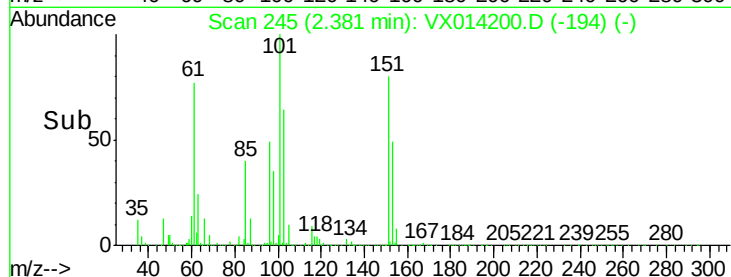
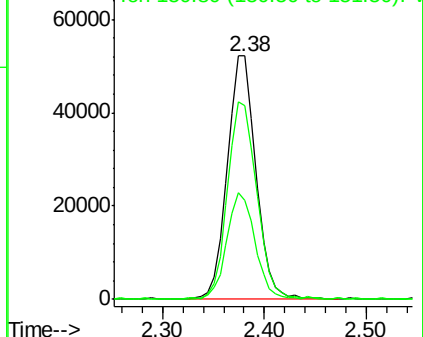
151 84.0 64.5 96.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.628 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

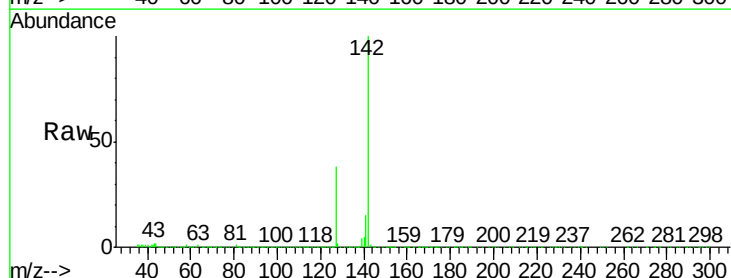
Tgt Ion:142 Resp: 108643

Ion Ratio Lower Upper

142 100

127 38.0 31.6 47.4

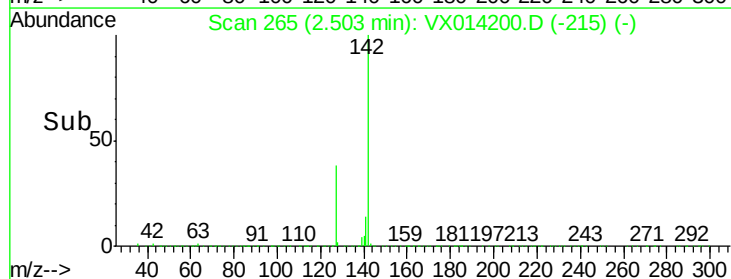
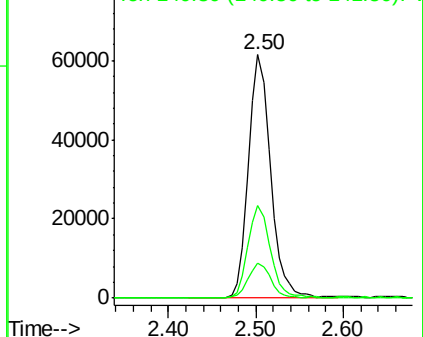
141 14.4 11.6 17.4

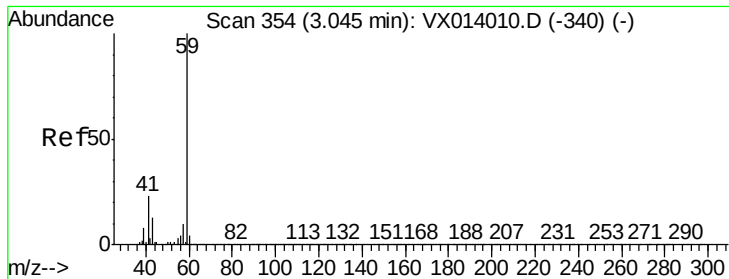


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



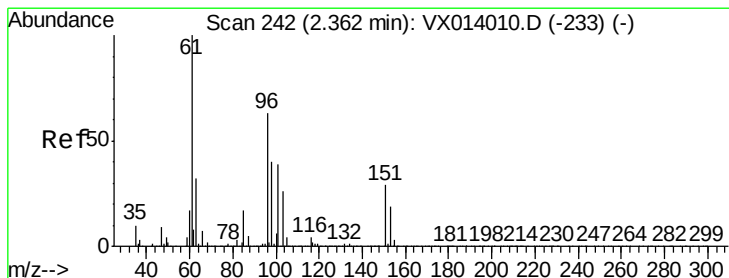
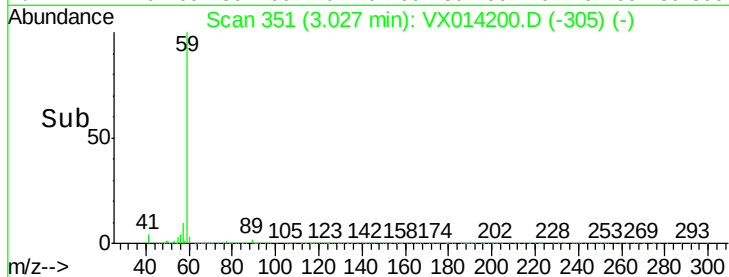
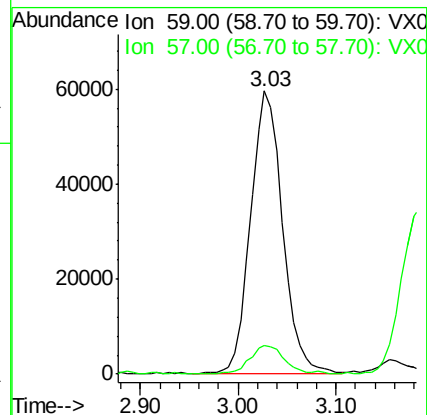
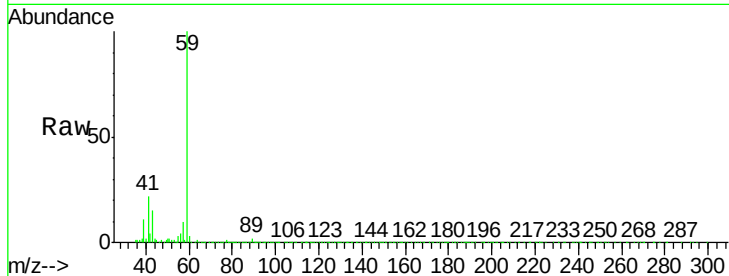


#11

Tert butyl alcohol
 Concen: 108.131 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VX014200.D
 Acq: 23 Dec 2019 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1223WBSD01

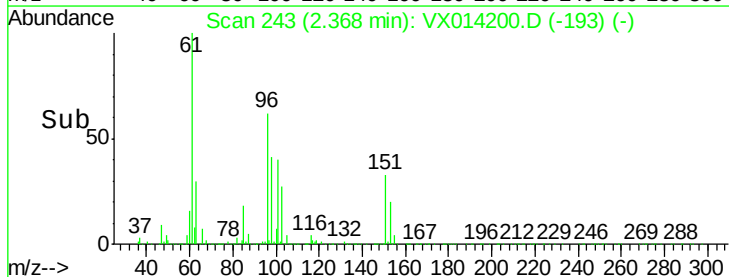
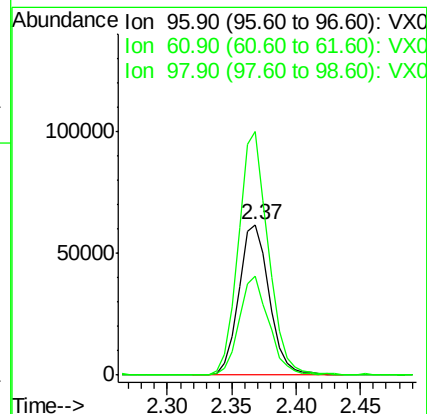
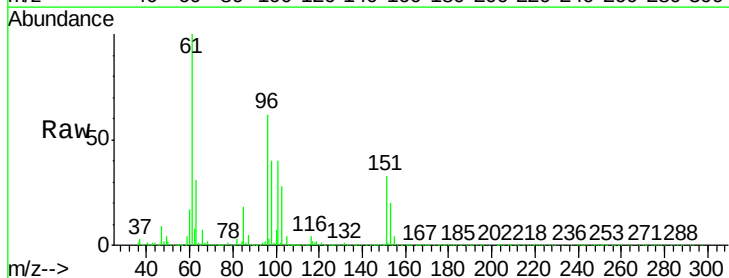
Tgt Ion: 59 Resp: 136606
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.4 12.6

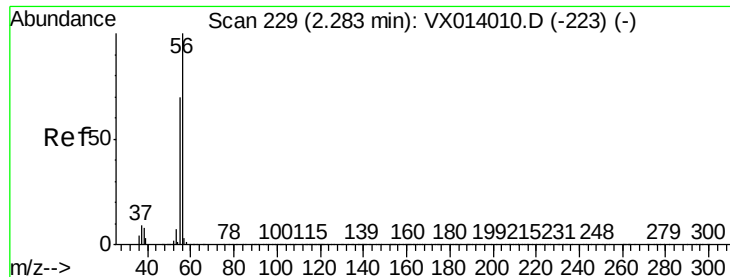


#12

1,1-Dichloroethene
 Concen: 20.416 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VX014200.D
 Acq: 23 Dec 2019 14:26

Tgt Ion: 96 Resp: 101311
 Ion Ratio Lower Upper
 96 100
 61 161.8 127.9 191.9
 98 65.4 50.5 75.7





#13

Acrolein

Concen: 96.452 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

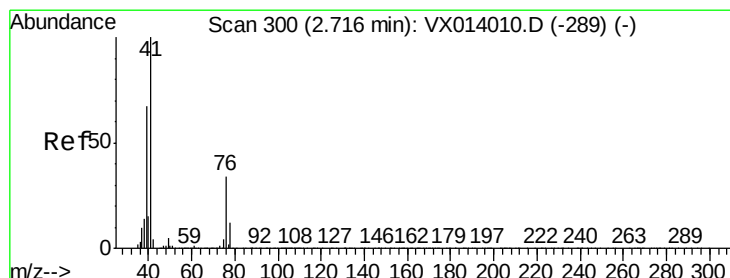
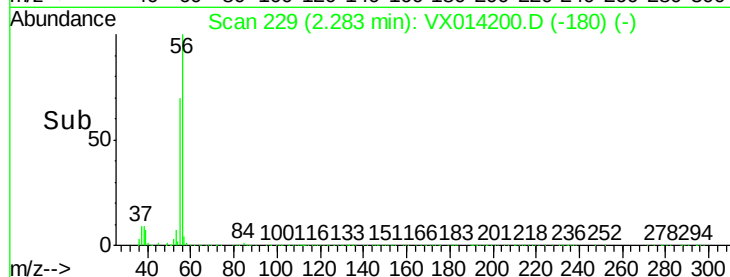
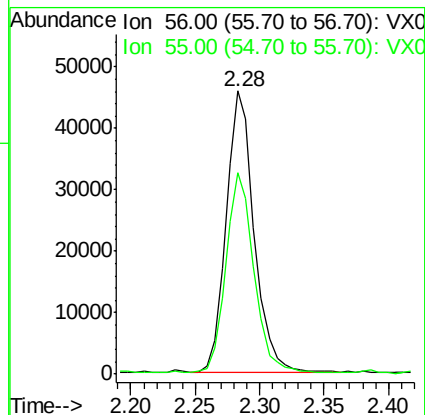
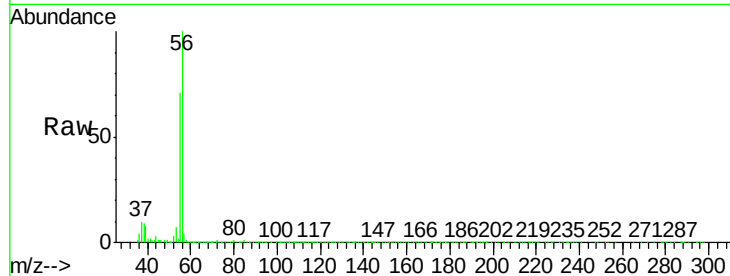
VX1223WBSD01

Tgt Ion: 56 Resp: 69752

Ion Ratio Lower Upper

56 100

55 71.7 56.9 85.3



#14

Allyl chloride

Concen: 20.918 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.01 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

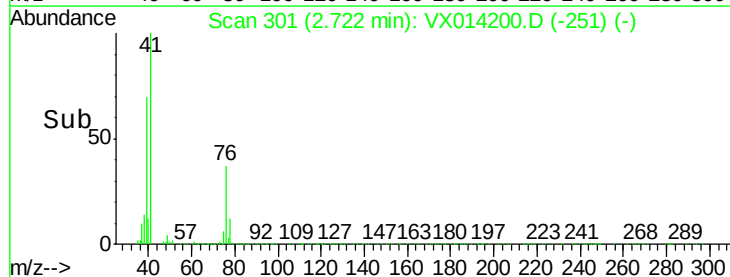
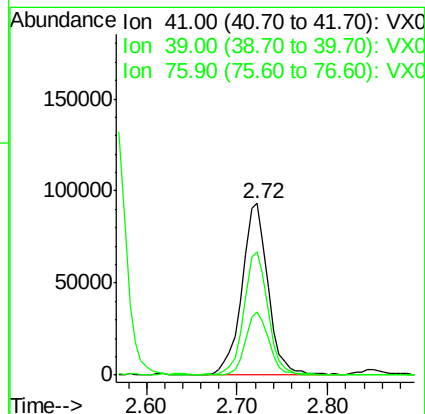
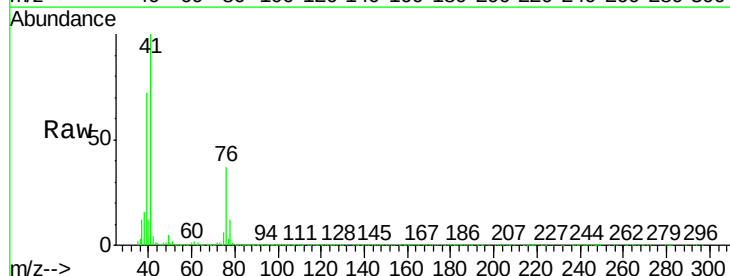
Tgt Ion: 41 Resp: 185340

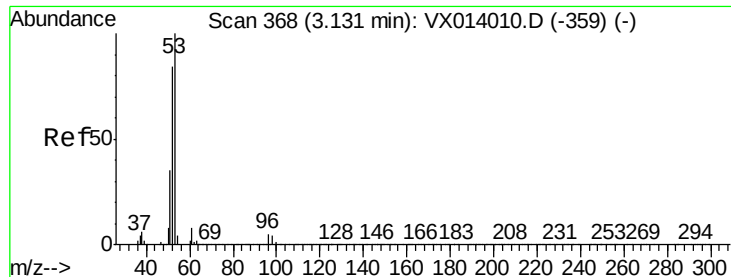
Ion Ratio Lower Upper

41 100

39 66.0 51.8 77.8

76 32.4 25.9 38.9





#15

Acrylonitrile

Concen: 108.217 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBSD01

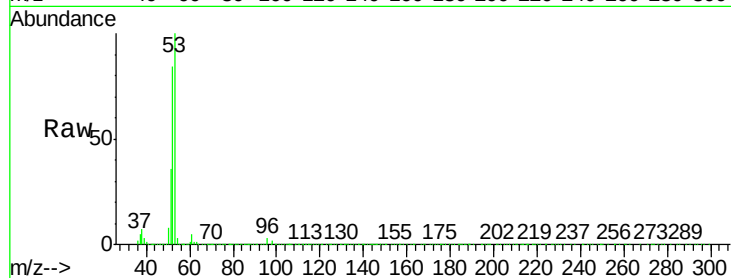
Tgt Ion: 53 Resp: 319101

Ion Ratio Lower Upper

53 100

52 83.7 66.5 99.7

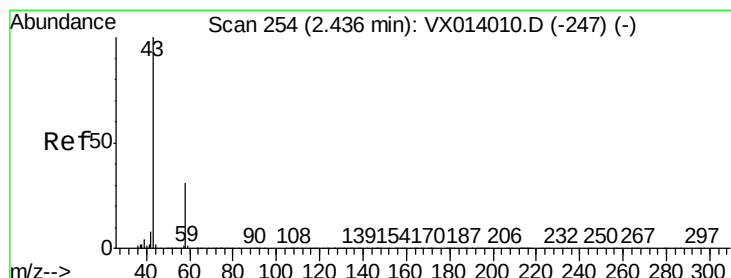
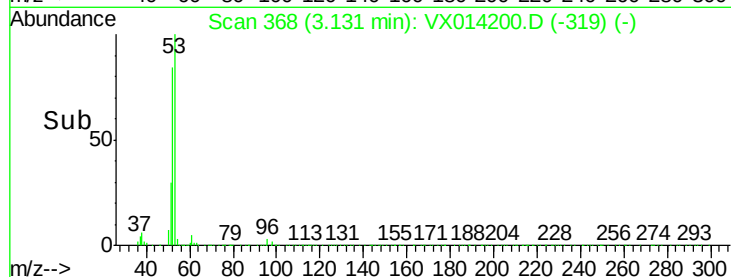
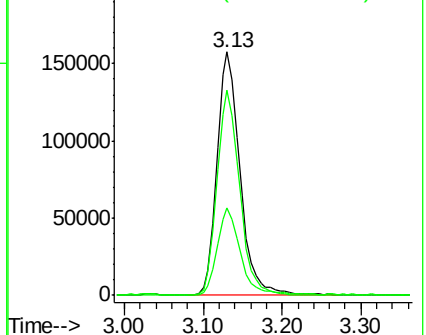
51 35.8 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 87.430 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014200.D

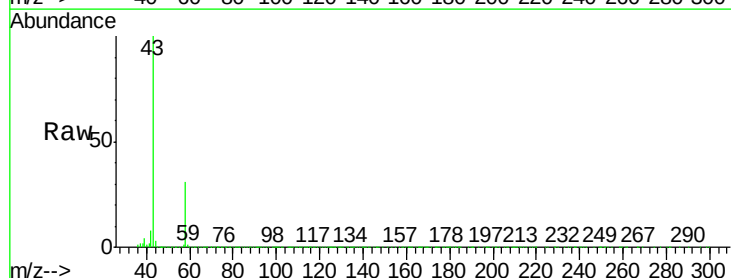
Acq: 23 Dec 2019 14:26

Tgt Ion: 43 Resp: 331863

Ion Ratio Lower Upper

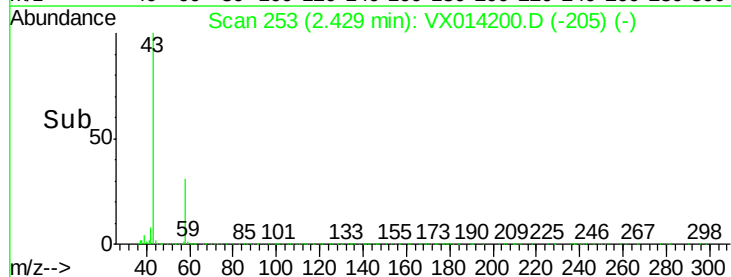
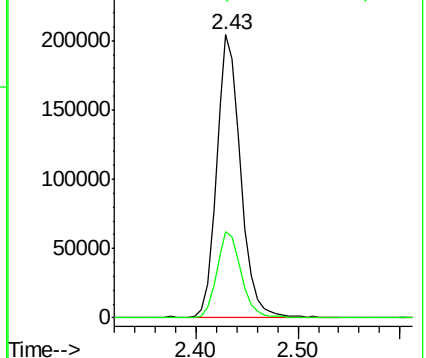
43 100

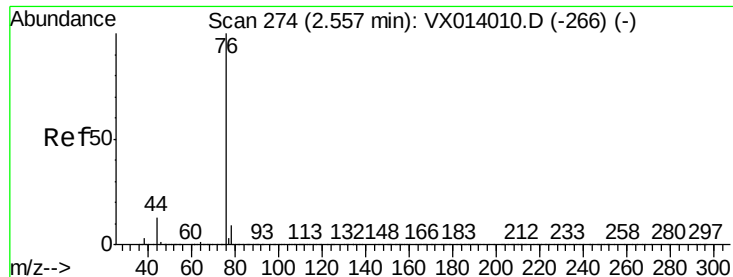
58 30.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 19.002 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

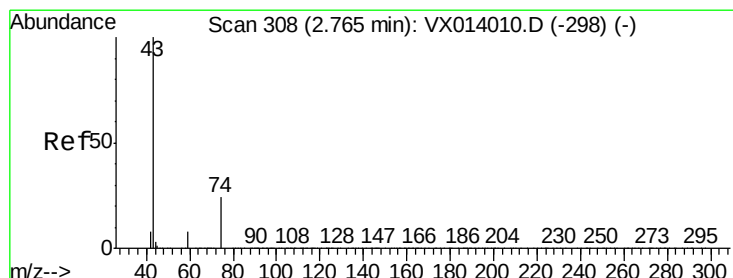
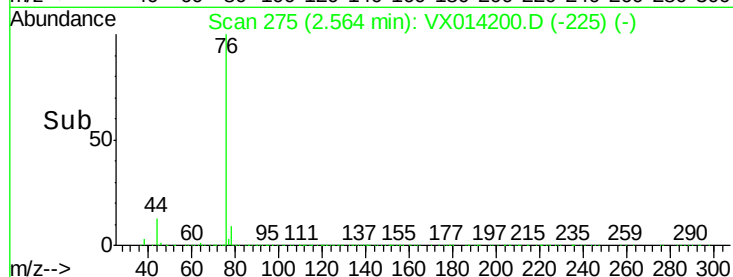
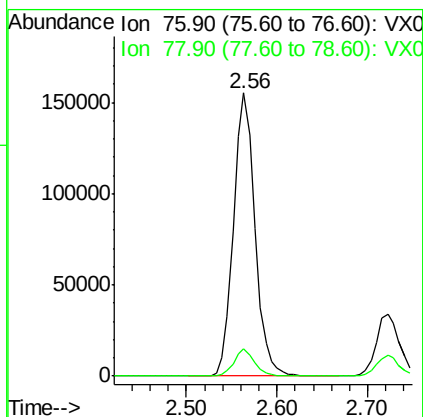
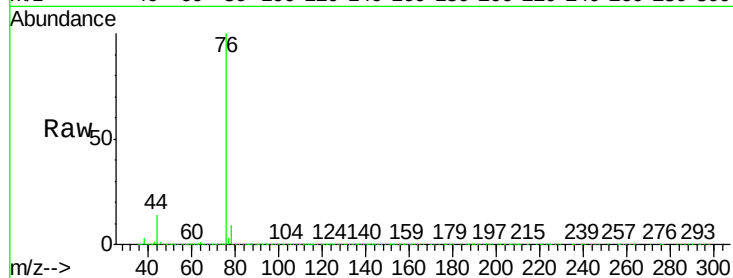
VX1223WBSD01

Tgt Ion: 76 Resp: 255279

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8



#18

Methyl Acetate

Concen: 22.275 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014200.D

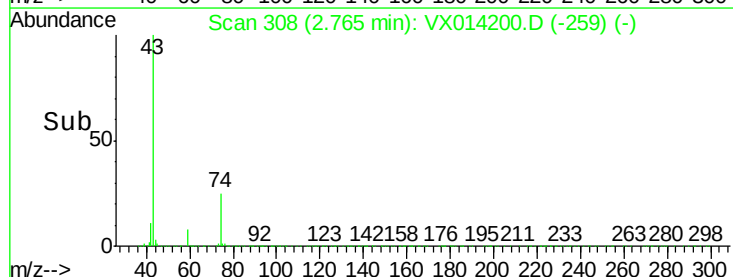
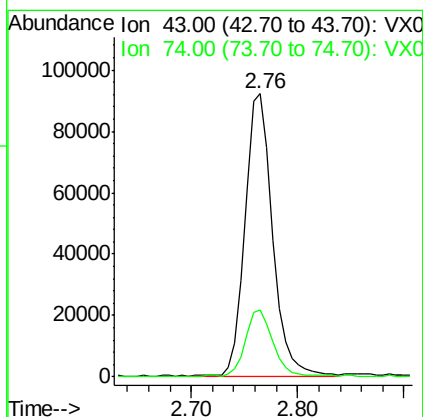
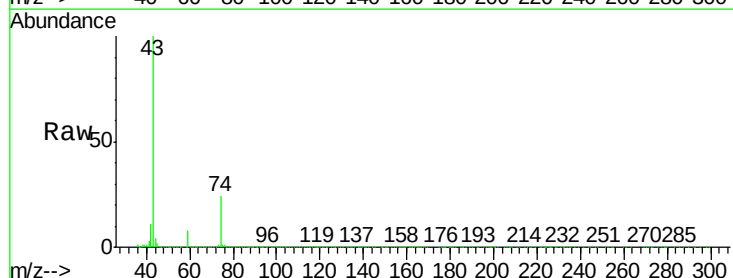
Acq: 23 Dec 2019 14:26

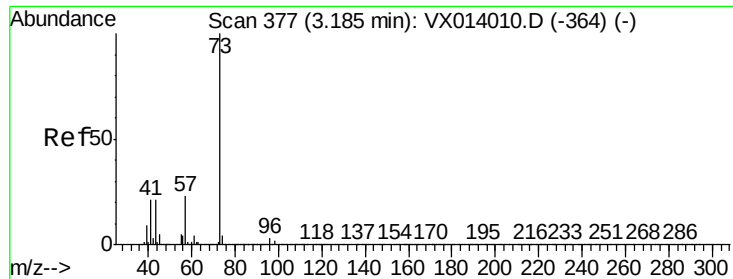
Tgt Ion: 43 Resp: 167543

Ion Ratio Lower Upper

43 100

74 23.1 19.5 29.3

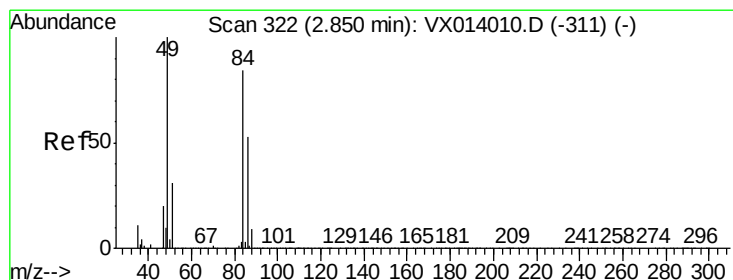
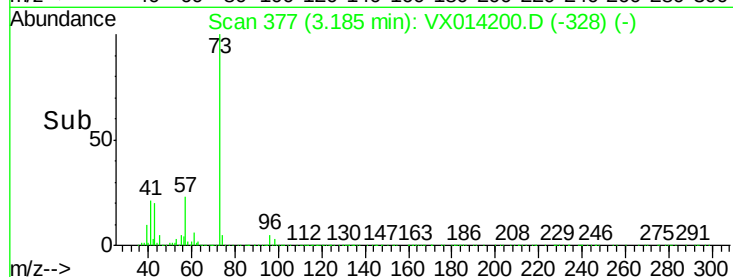
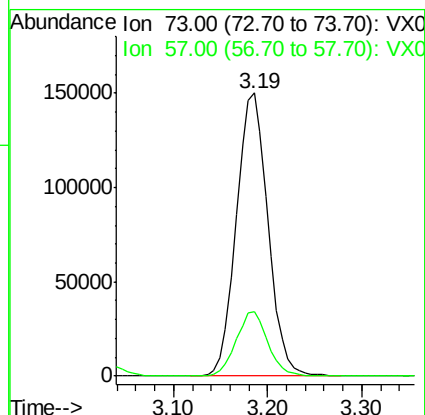
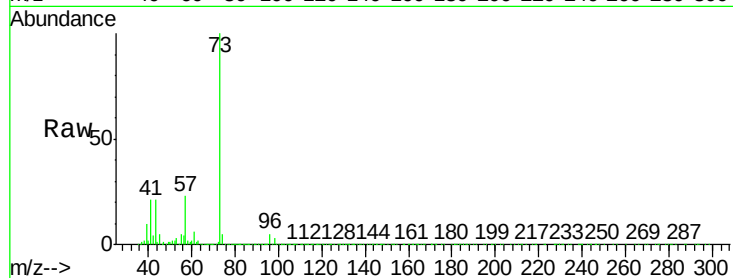




#19
Methyl tert-butyl Ether
Concen: 21.499 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

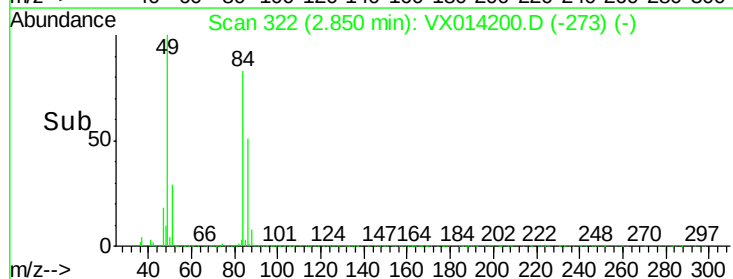
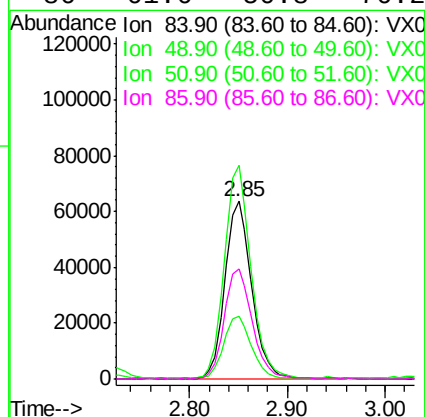
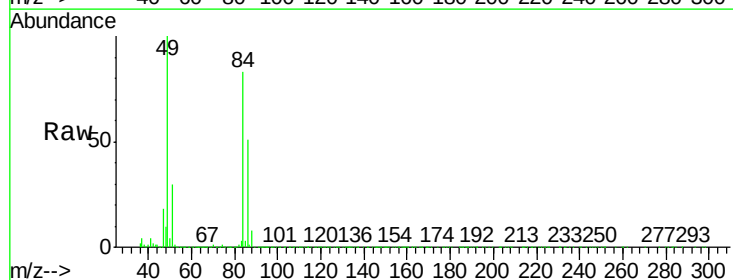
Instrument :
MSVOA_X
ClientSampleId :
VX1223WBSD01

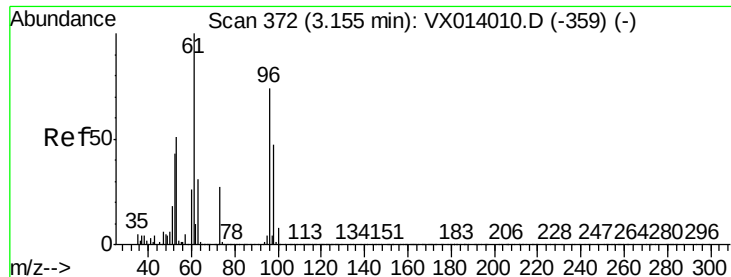
Tgt Ion: 73 Resp: 350576
Ion Ratio Lower Upper
73 100
57 22.9 18.8 28.2



#20
Methylene Chloride
Concen: 20.095 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Tgt Ion: 84 Resp: 120114
Ion Ratio Lower Upper
84 100
49 120.3 95.8 143.6
51 35.3 29.8 44.8
86 61.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.843 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBSD01

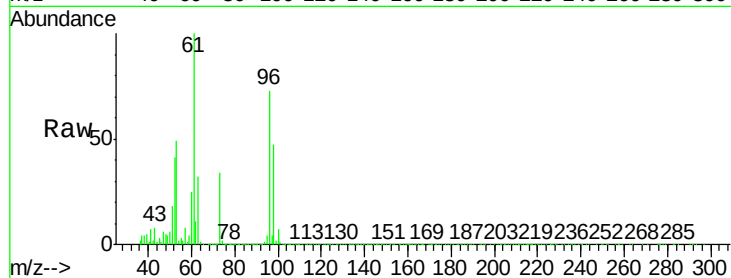
Tgt Ion: 96 Resp: 108480

Ion Ratio Lower Upper

96 100

61 136.9 108.3 162.5

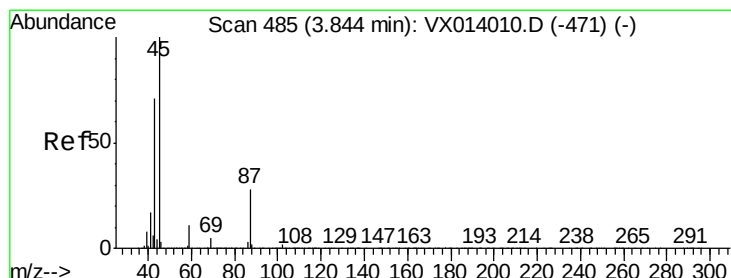
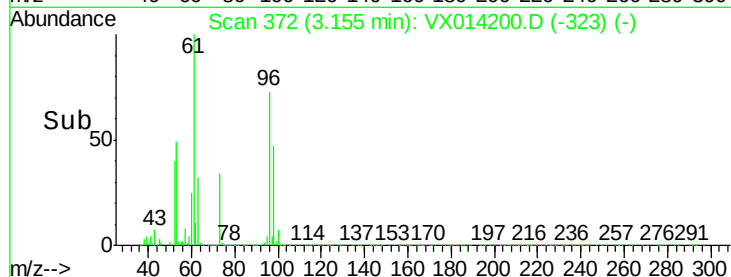
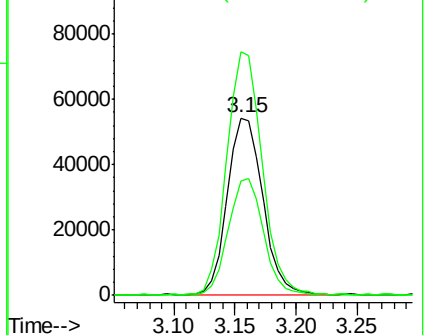
98 64.4 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 21.500 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Tgt Ion: 45 Resp: 379601

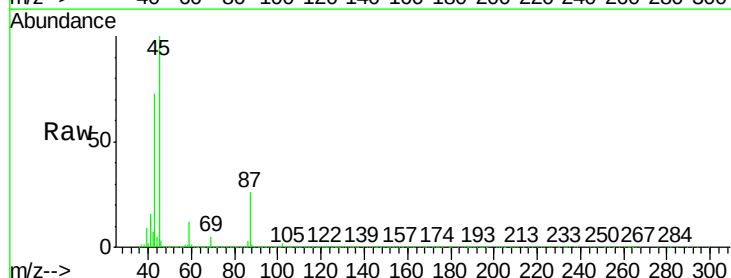
Ion Ratio Lower Upper

45 100

43 72.5 57.4 86.0

87 26.2 21.9 32.9

59 11.3 9.0 13.6

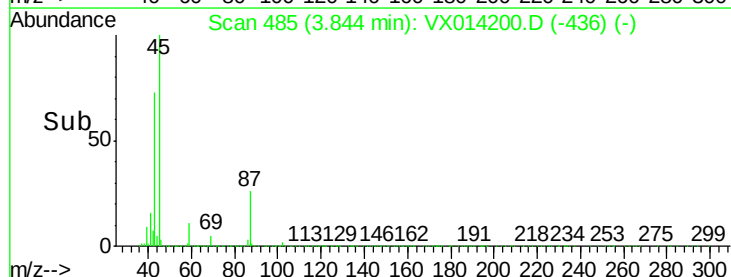
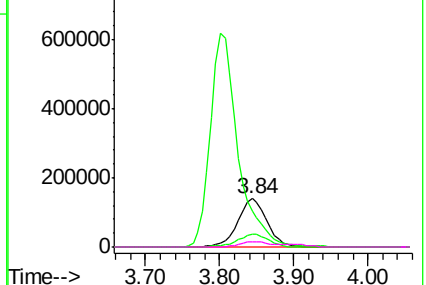


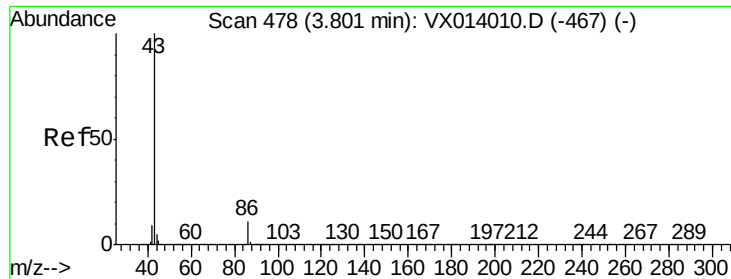
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 111.074 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

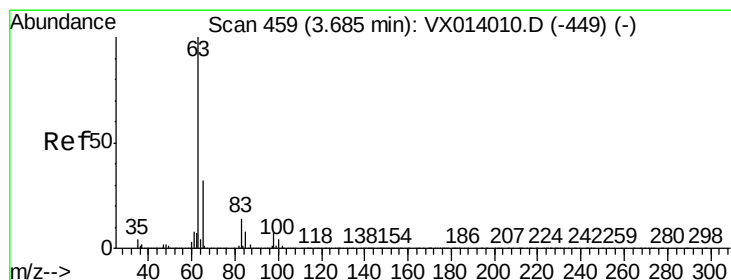
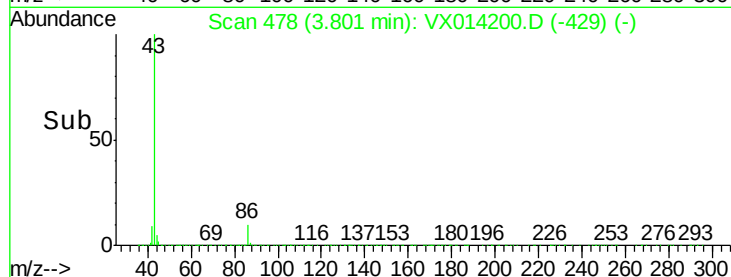
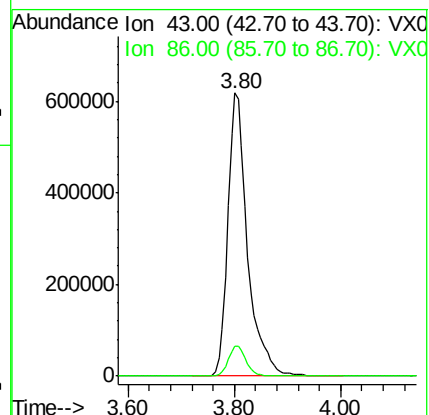
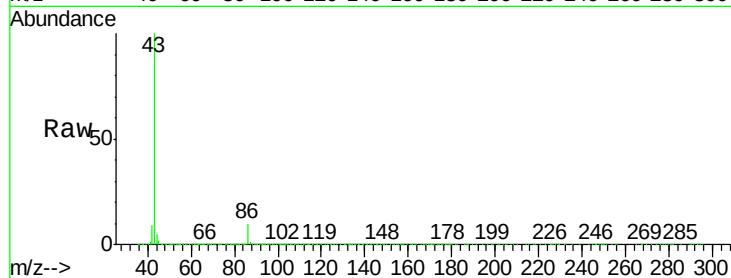
VX1223WBSD01

Tgt Ion: 43 Resp: 1600401

Ion Ratio Lower Upper

43 100

86 10.4 8.6 12.8



#24

1,1-Dichloroethane

Concen: 20.702 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

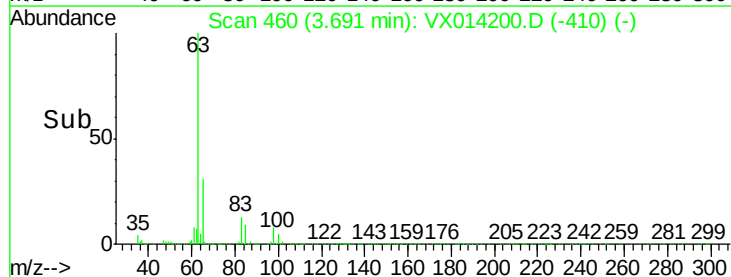
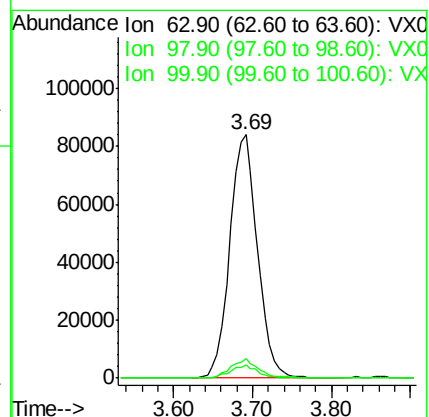
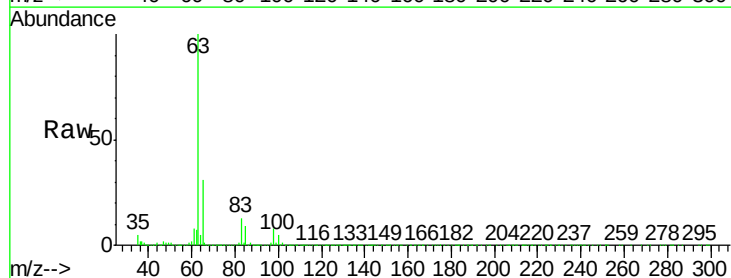
Tgt Ion: 63 Resp: 203358

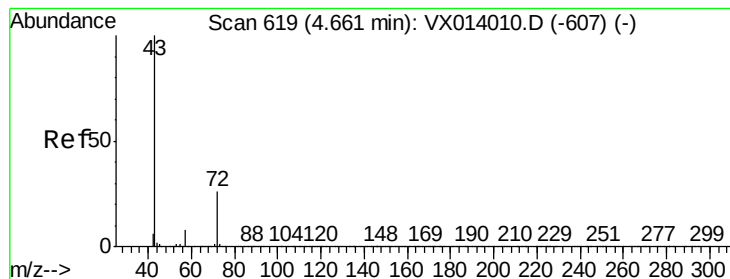
Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.8

100 5.3 2.3 6.8





#25

2-Butanone

Concen: 100.791 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

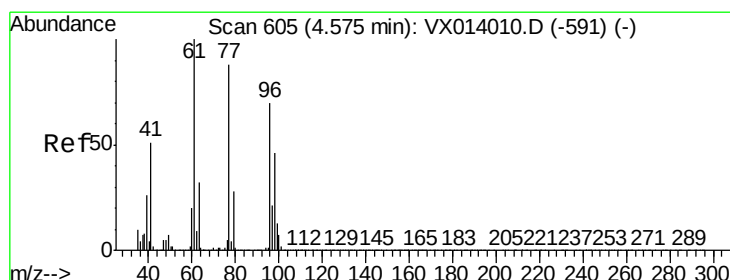
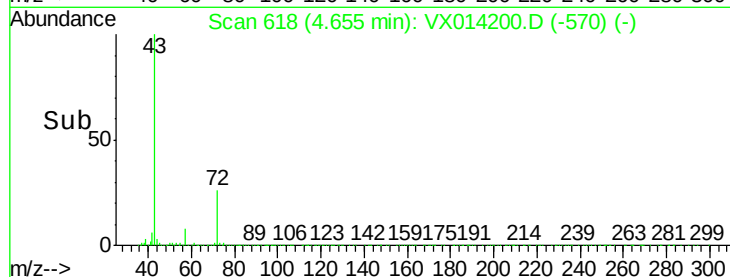
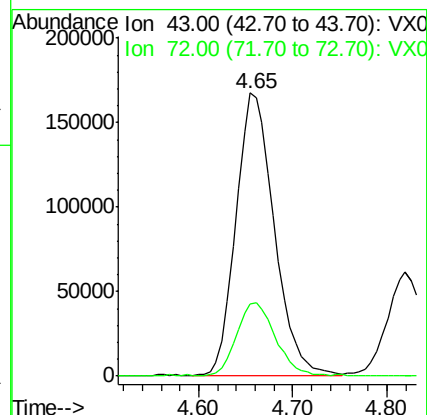
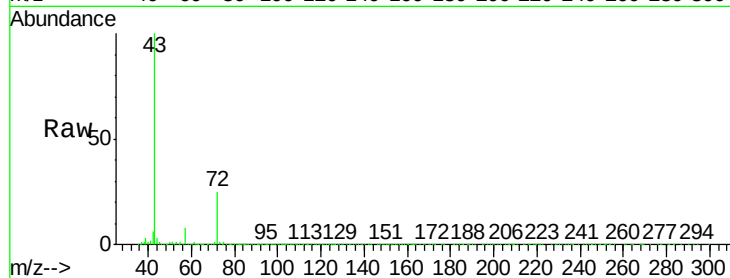
VX1223WBSD01

Tgt Ion: 43 Resp: 471673

Ion Ratio Lower Upper

43 100

72 25.2 21.0 31.4



#26

2,2-Dichloropropane

Concen: 21.140 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX014200.D

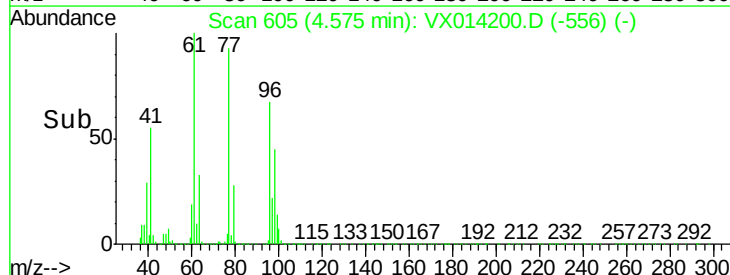
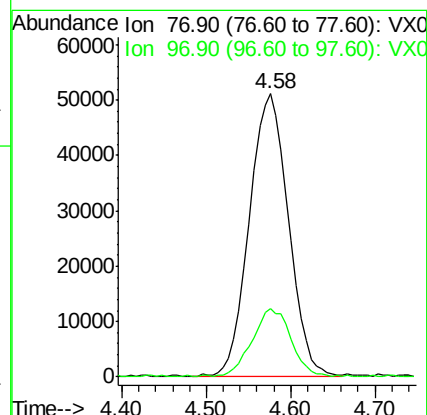
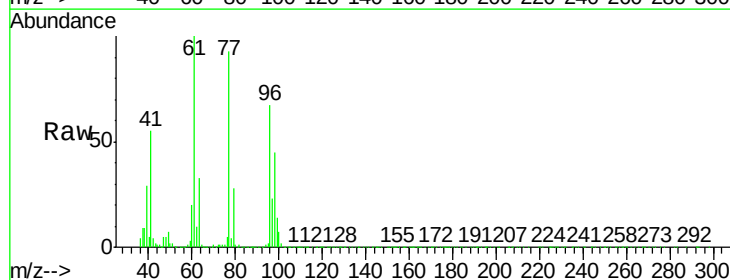
Acq: 23 Dec 2019 14:26

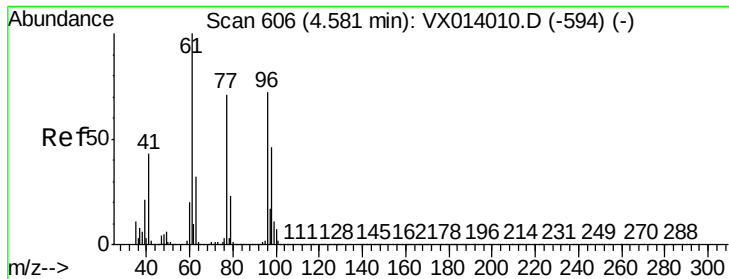
Tgt Ion: 77 Resp: 161228

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.9



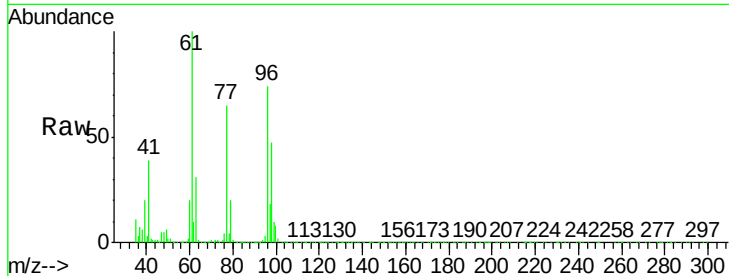


#27

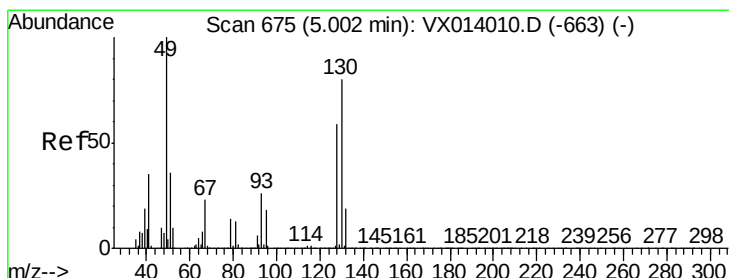
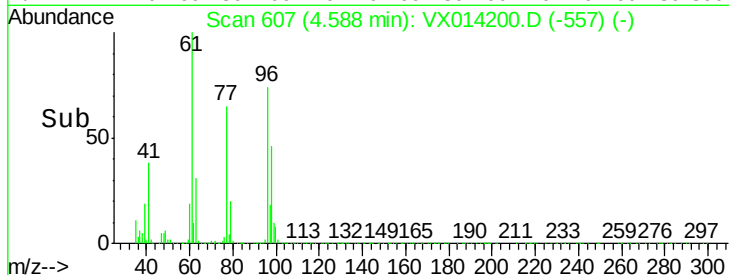
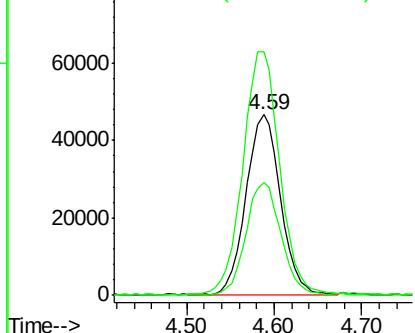
cis-1,2-Dichloroethene
Concen: 20.696 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
VX1223WBSD01

Tgt Ion: 96 Resp: 127962
Ion Ratio Lower Upper
96 100
61 143.2 0.0 288.4
98 63.2 0.0 129.6



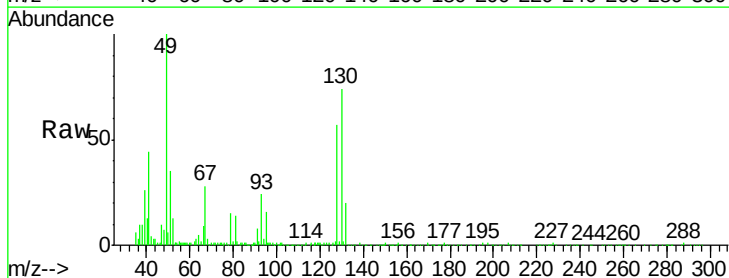
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



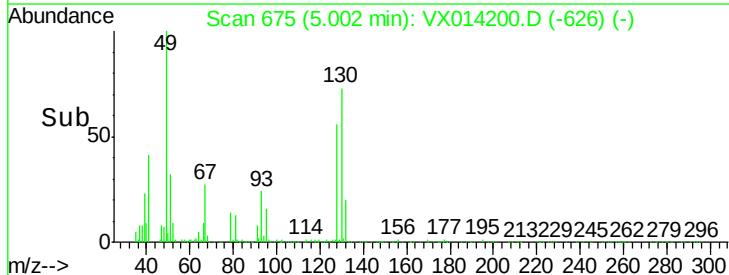
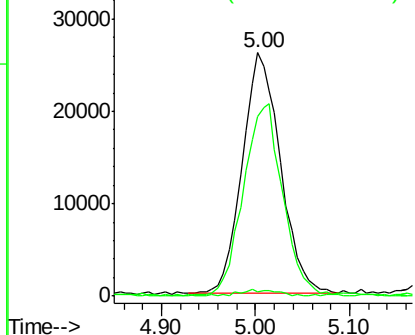
#28

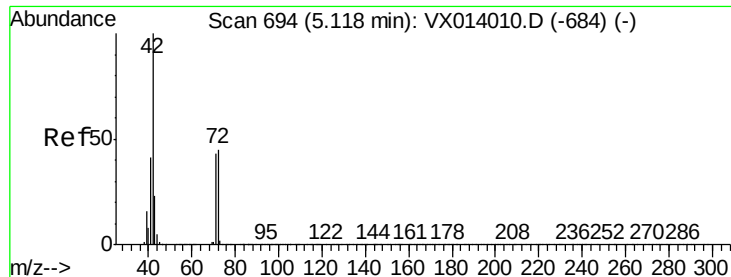
Bromochloromethane
Concen: 19.890 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Tgt Ion: 49 Resp: 74099
Ion Ratio Lower Upper
49 100
129 0.9 0.0 5.0
130 81.5 64.6 97.0



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 111.406 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBSD01

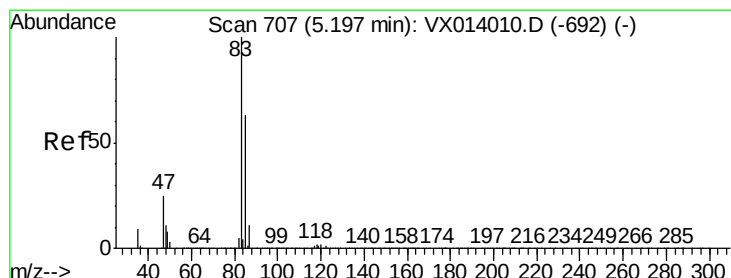
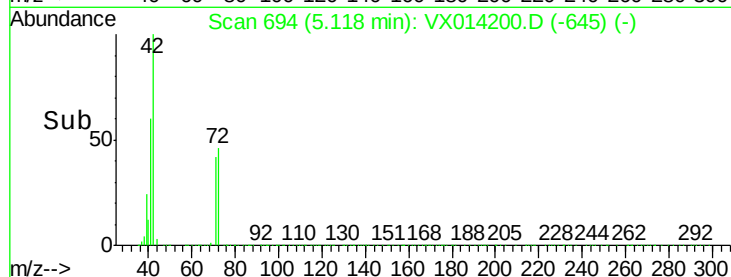
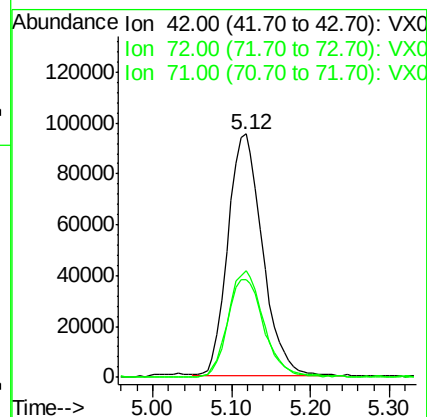
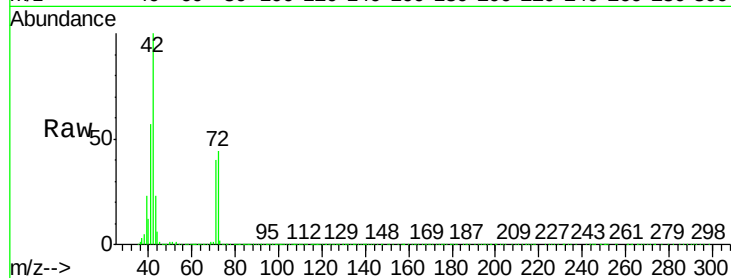
Tgt Ion: 42 Resp: 291605

Ion Ratio Lower Upper

42 100

72 45.1 35.8 53.8

71 42.3 33.6 50.4



#30

Chloroform

Concen: 21.178 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX014200.D

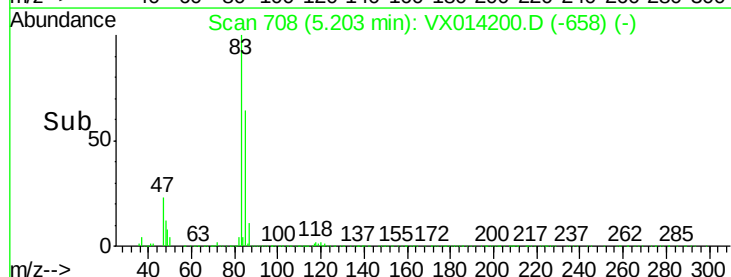
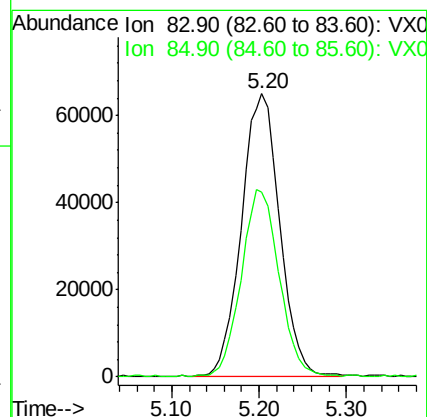
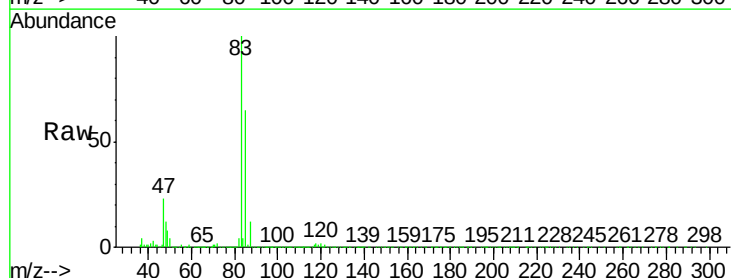
Acq: 23 Dec 2019 14:26

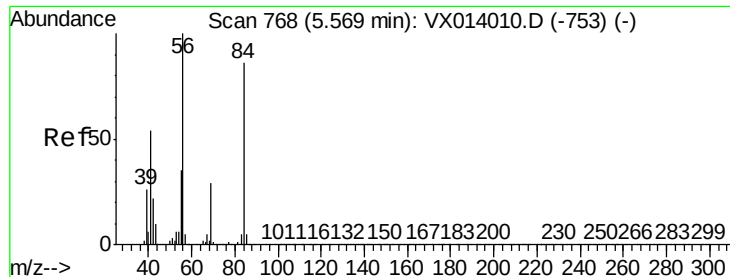
Tgt Ion: 83 Resp: 197211

Ion Ratio Lower Upper

83 100

85 65.1 50.8 76.2

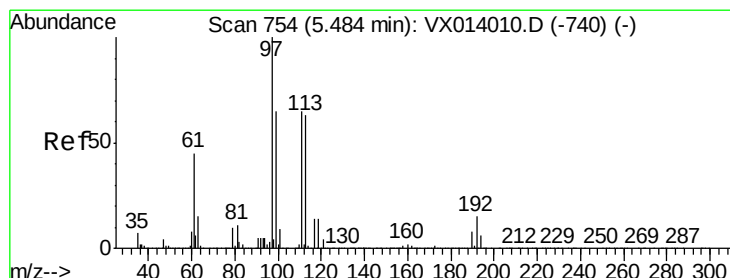
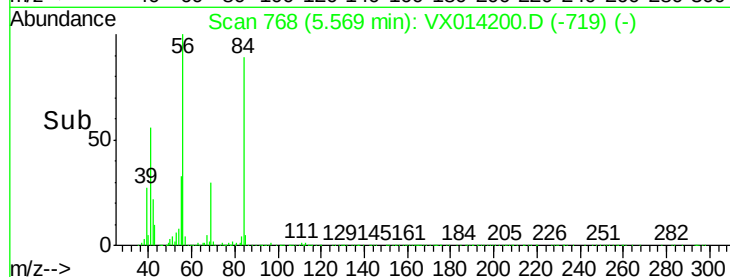
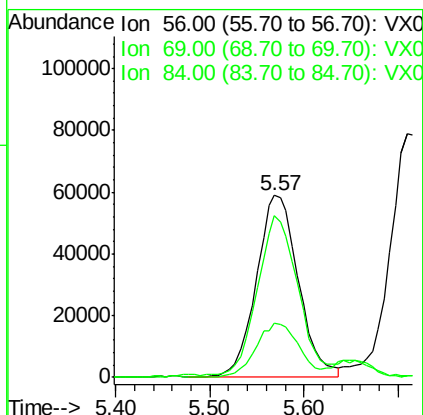
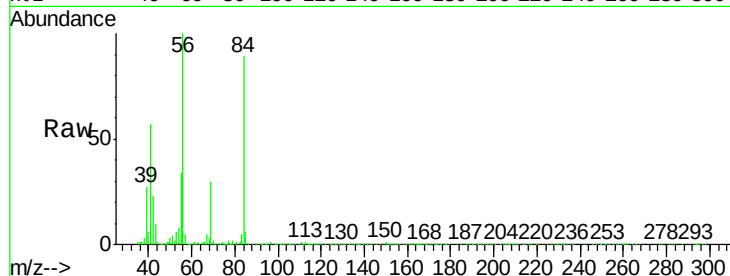




#31
Cyclohexane
Concen: 20.843 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

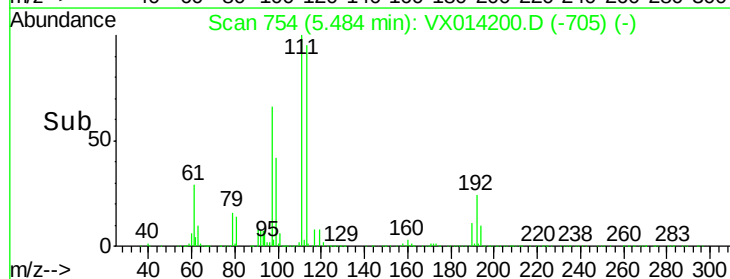
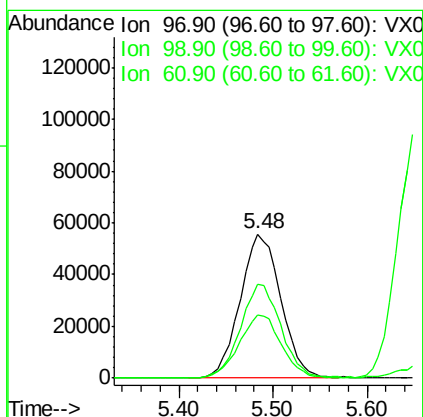
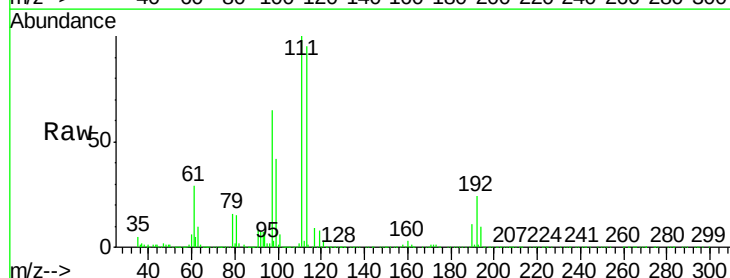
Instrument :
MSVOA_X
ClientSampleId :
VX1223WBSD01

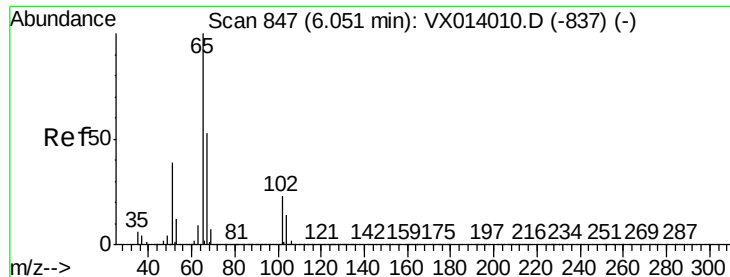
Tgt Ion: 56 Resp: 182100
Ion Ratio Lower Upper
56 100
69 29.9 23.2 34.8
84 88.0 69.2 103.8



#32
1,1,1-Trichloroethane
Concen: 21.057 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Tgt Ion: 97 Resp: 167120
Ion Ratio Lower Upper
97 100
99 64.8 52.0 78.0
61 45.9 36.7 55.1





#33

1,2-Dichloroethane-d4

Concen: 50.036 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

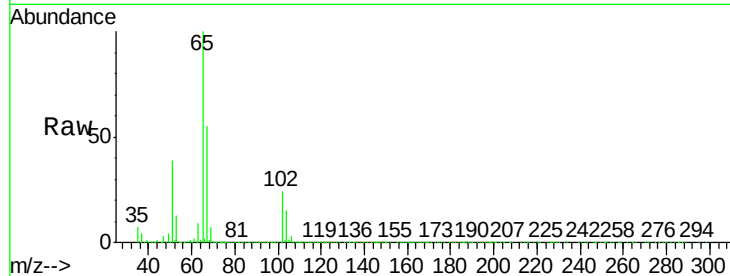
VX1223WBSD01

Tgt Ion: 65 Resp: 292547

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

120000

100000

80000

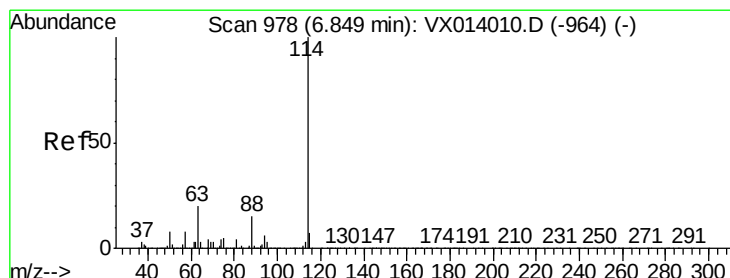
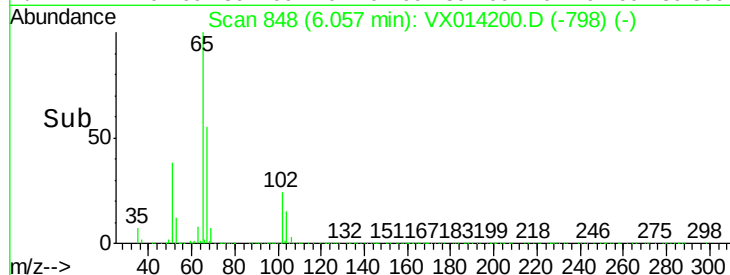
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

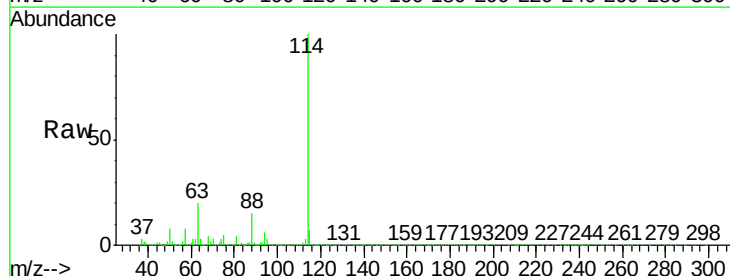
Tgt Ion: 114 Resp: 794967

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

400000

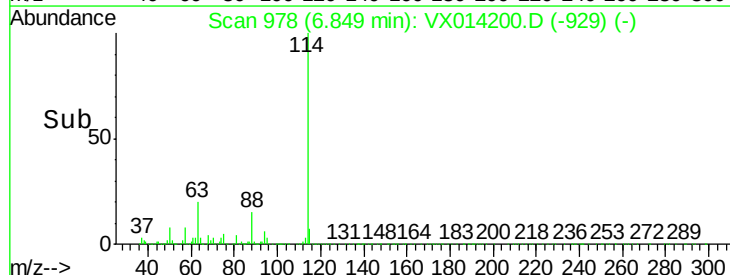
300000

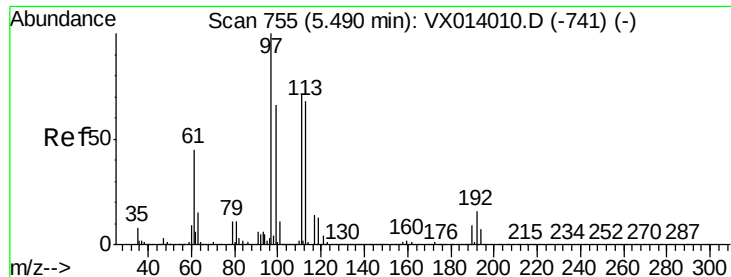
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.094 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBSD01

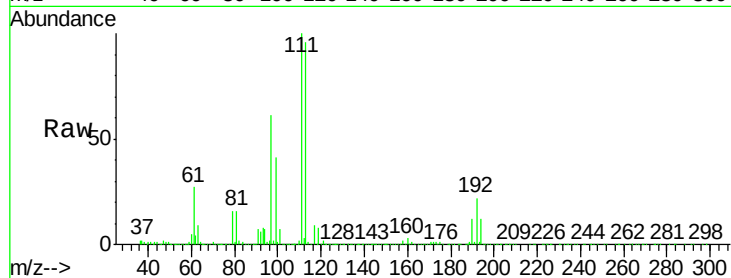
Tgt Ion:113 Resp: 242081

Ion Ratio Lower Upper

113 100

111 103.6 82.0 123.0

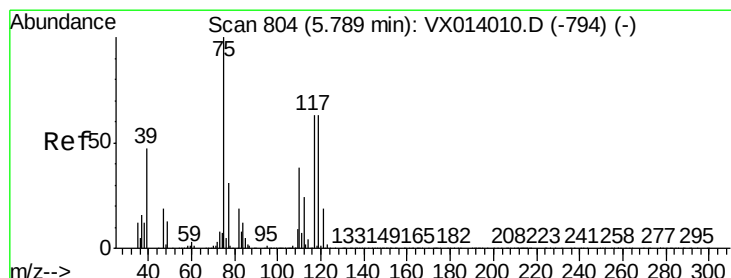
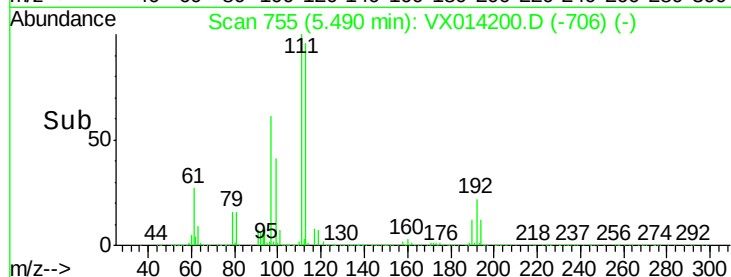
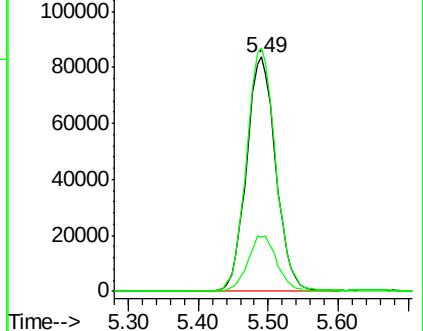
192 23.6 19.3 28.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.139 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

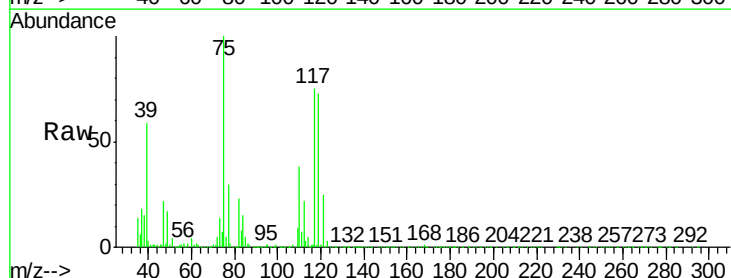
Tgt Ion: 75 Resp: 146903

Ion Ratio Lower Upper

75 100

110 37.0 18.3 54.9

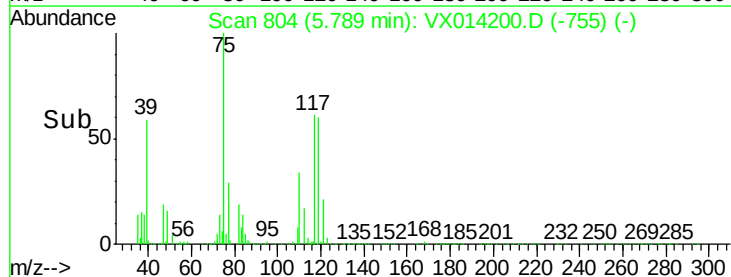
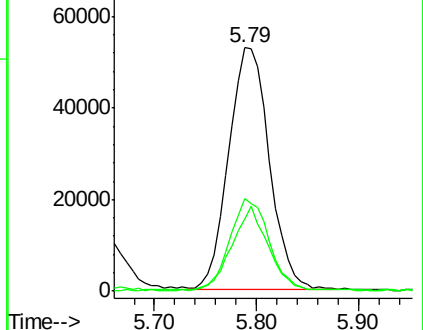
77 30.7 24.8 37.2

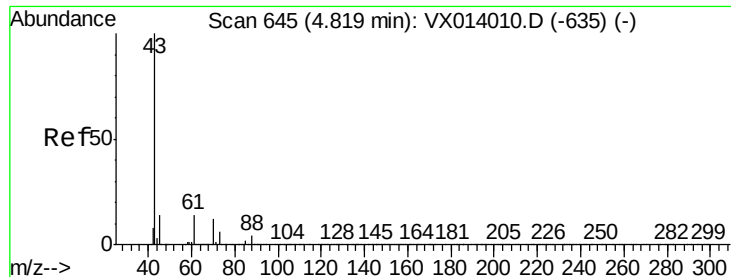


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

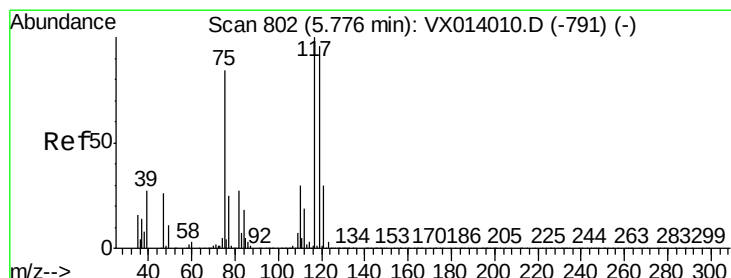
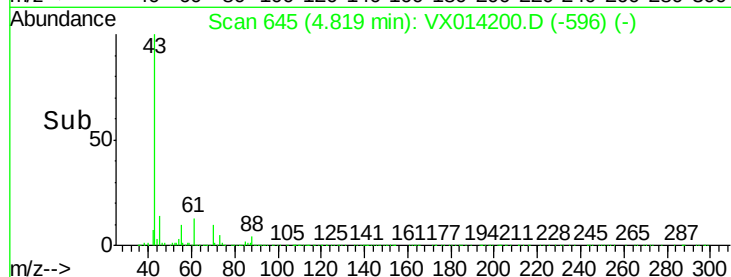
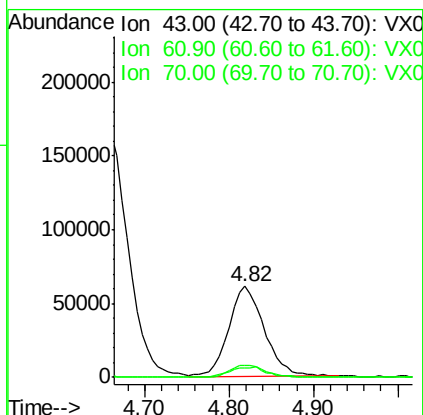
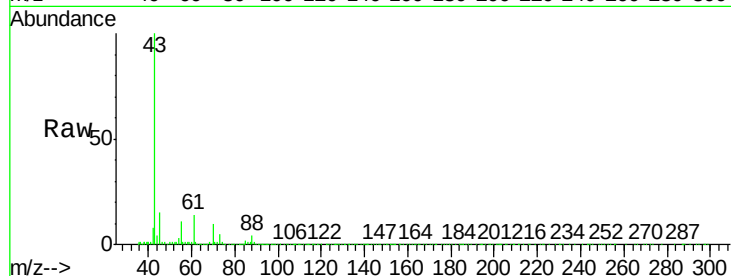




#37
Ethyl Acetate
Concen: 21.652 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

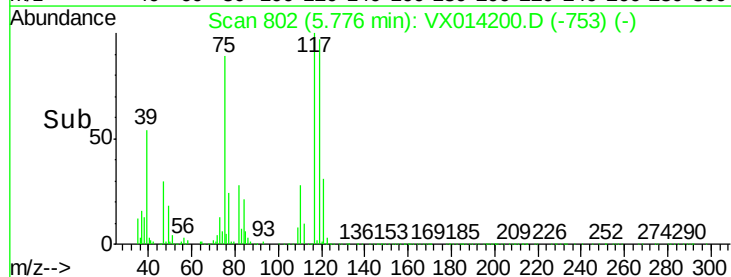
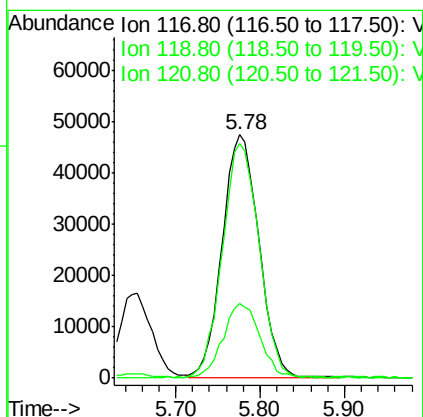
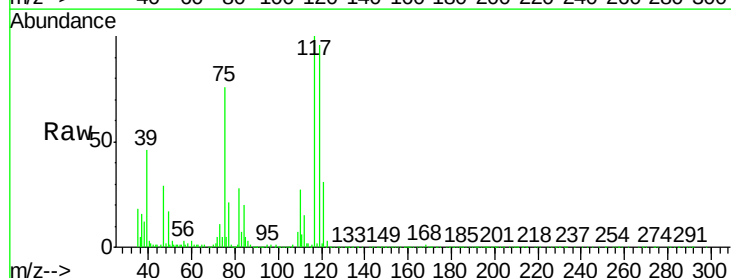
Instrument :
MSVOA_X
ClientSampleId :
VX1223WBSD01

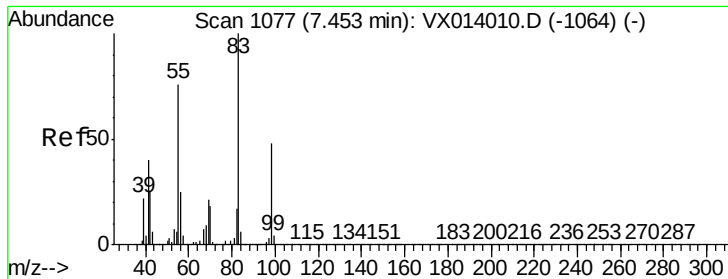
Tgt Ion: 43 Resp: 174405
Ion Ratio Lower Upper
43 100
61 13.4 10.8 16.2
70 11.4 8.6 12.8



#38
Carbon Tetrachloride
Concen: 21.017 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Tgt Ion: 117 Resp: 139655
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.4
121 30.7 23.6 35.4

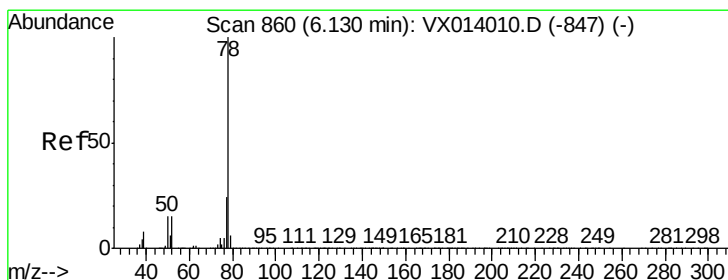
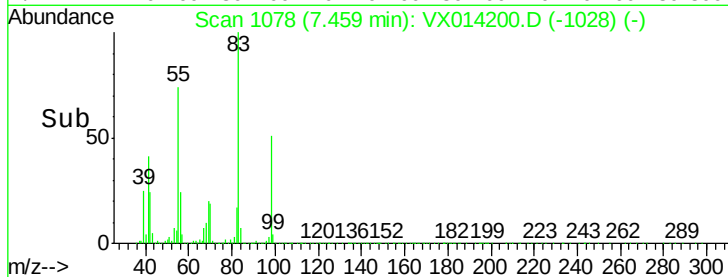
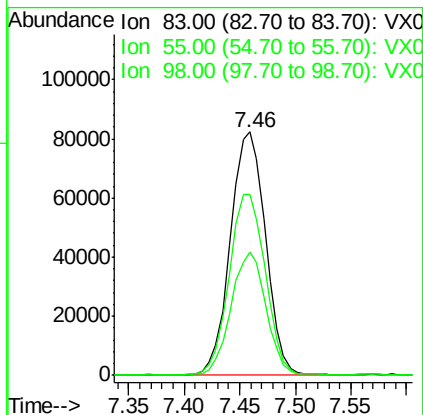
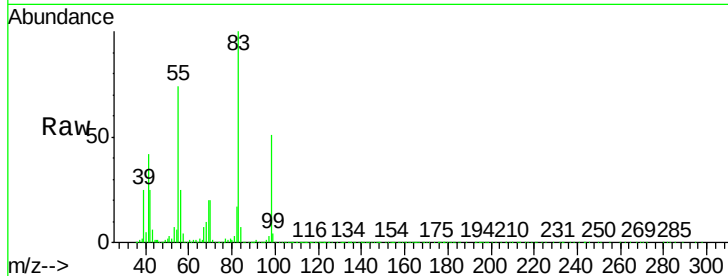




#39
Methylcyclohexane
Concen: 19.940 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

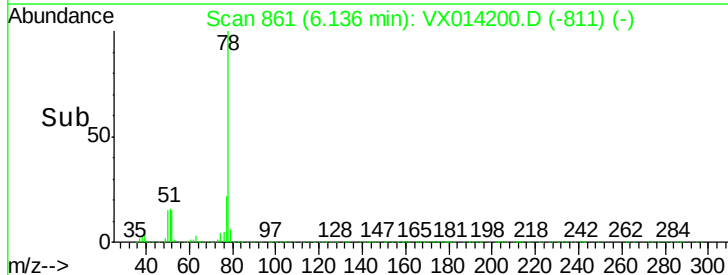
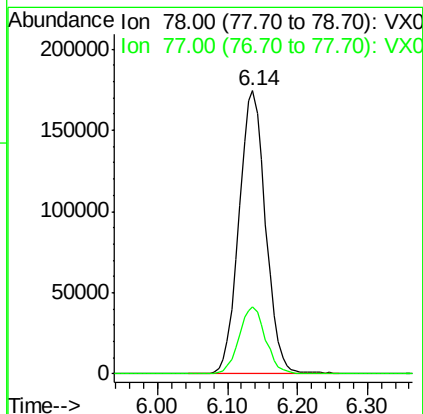
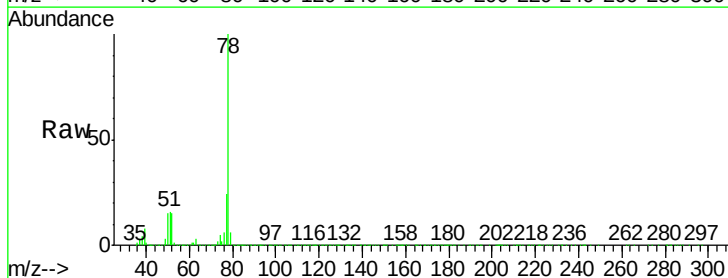
Instrument :
MSVOA_X
ClientSampleId :
VX1223WBSD01

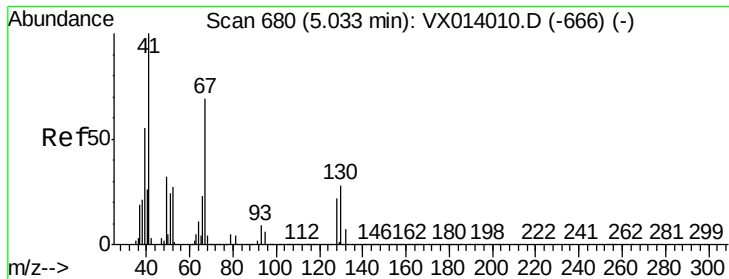
Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.3	61.0	91.6
98	50.8	38.6	57.8



#40
Benzene
Concen: 20.507 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2

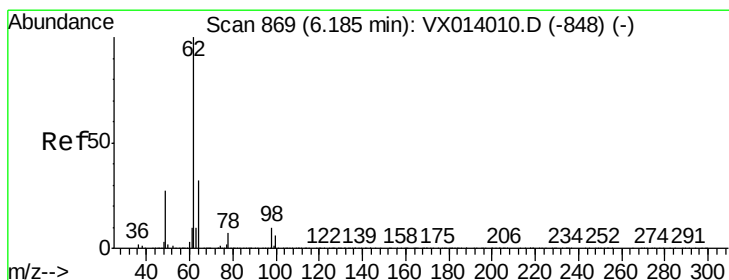
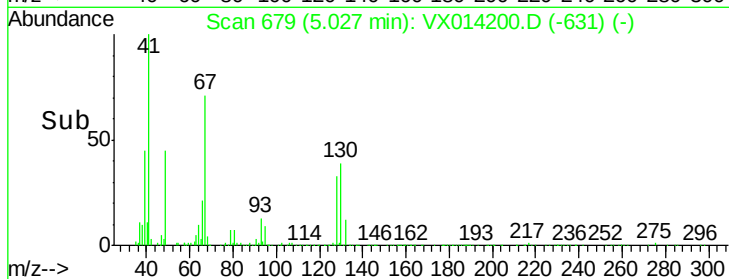
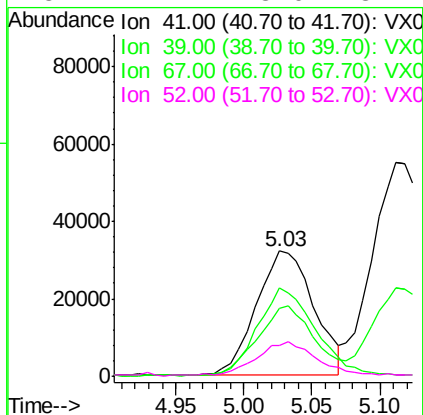
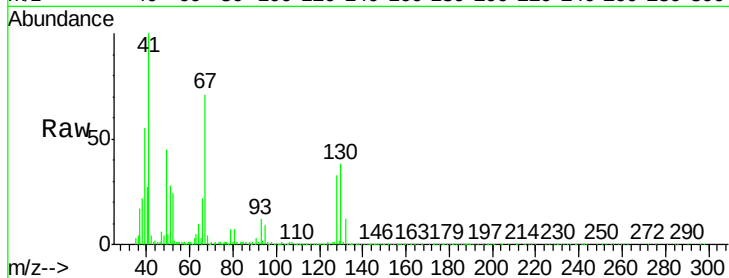




#41
Methacrylonitrile
Concen: 21.255 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

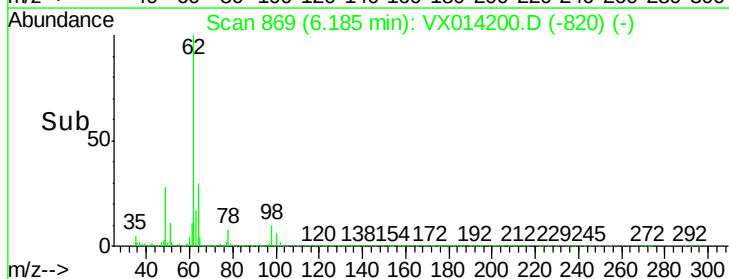
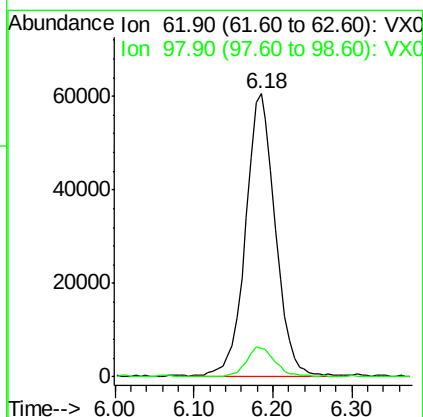
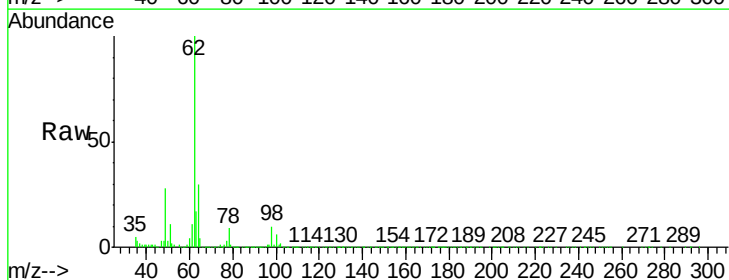
Instrument :
MSVOA_X
ClientSampleId :
VX1223WBSD01

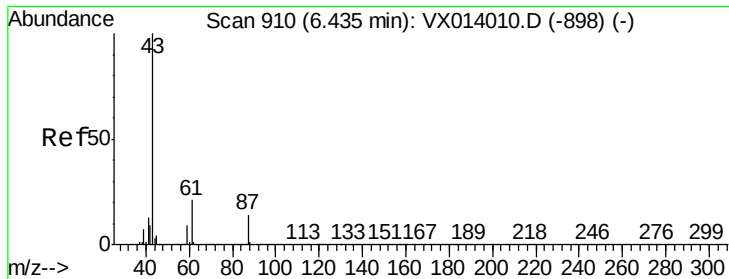
Tgt Ion:	41	Resp:	94994
Ion	Ratio	Lower	Upper
41	100		
39	54.7	44.5	66.7
67	71.5	57.4	86.0
52	27.4	23.0	34.4



#42
1,2-Dichloroethane
Concen: 20.703 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Tgt Ion:	62	Resp:	157509
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	21.0



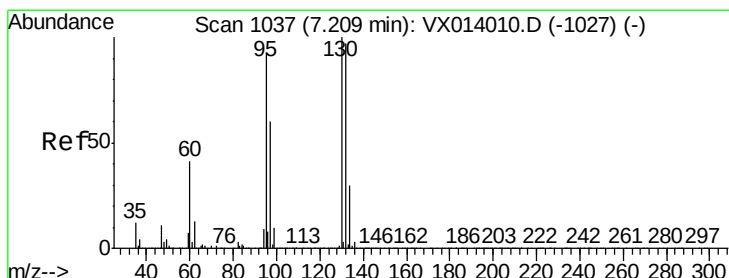
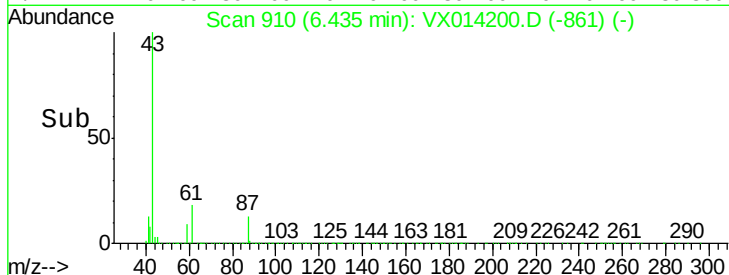
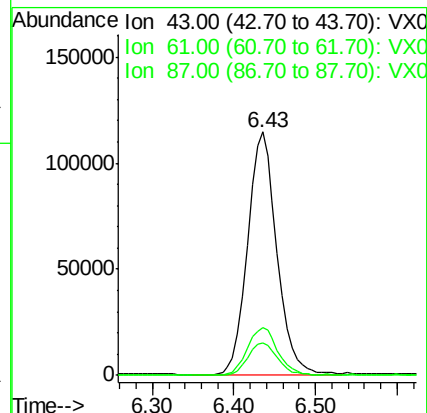
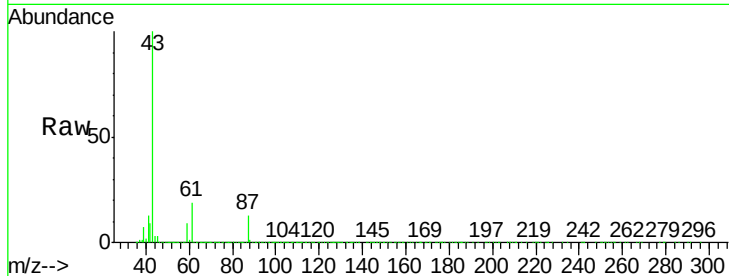


#43

Isopropyl Acetate
 Concen: 21.322 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014200.D
 Acq: 23 Dec 2019 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1223WBSD01

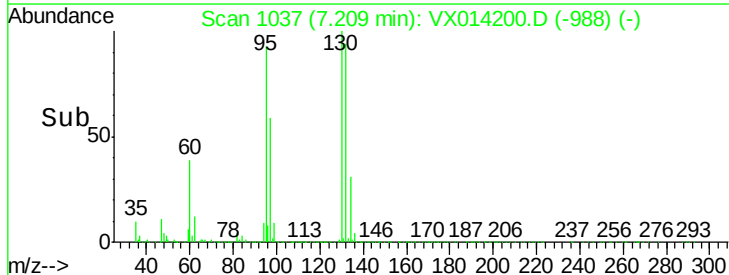
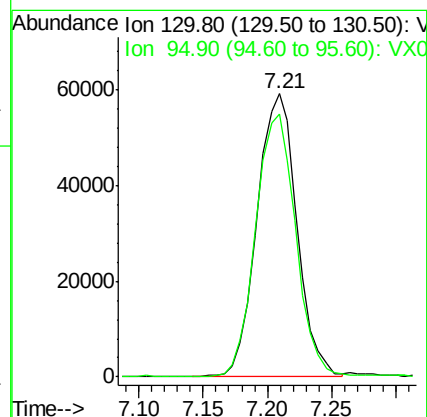
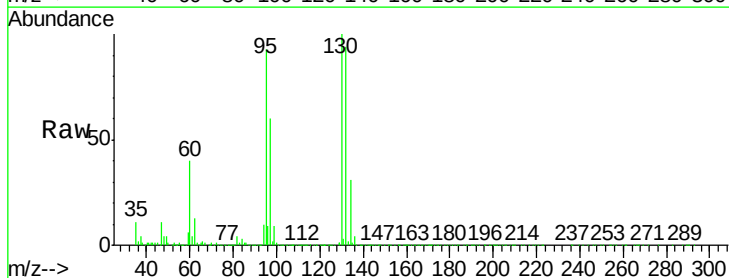
Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.4	24.6
87	13.8	10.7	16.1

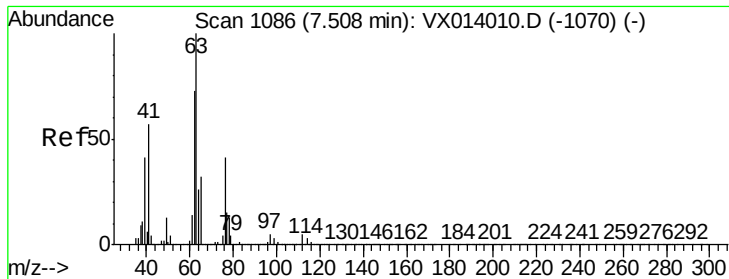


#44

Trichloroethene
 Concen: 20.365 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014200.D
 Acq: 23 Dec 2019 14:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	185.6

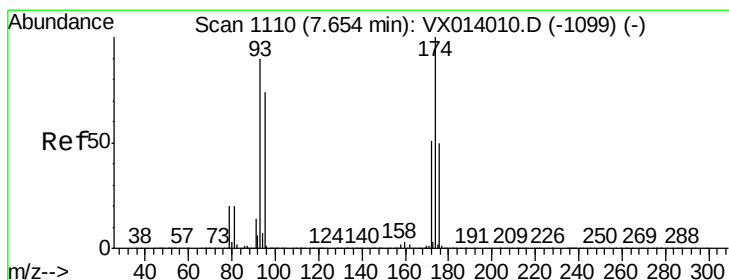
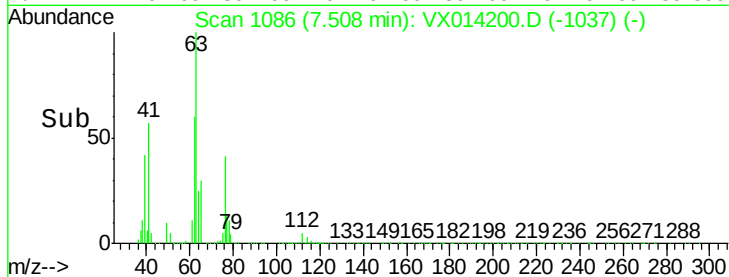
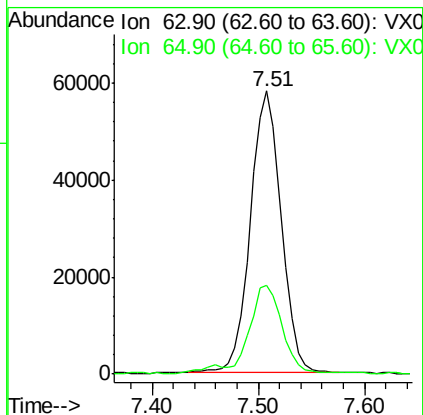
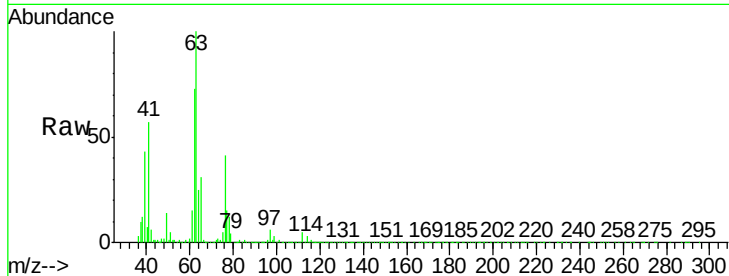




#45
 1,2-Dichloropropane
 Concen: 20.557 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014200.D
 Acq: 23 Dec 2019 14:26

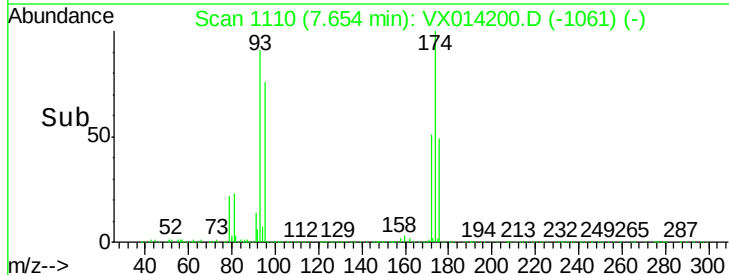
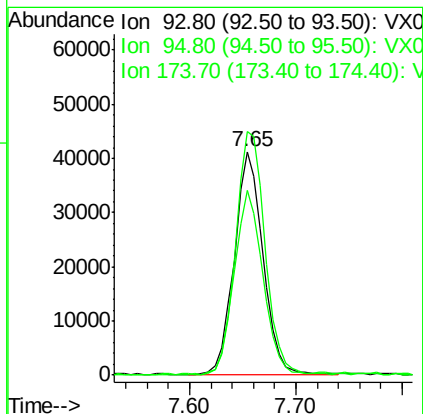
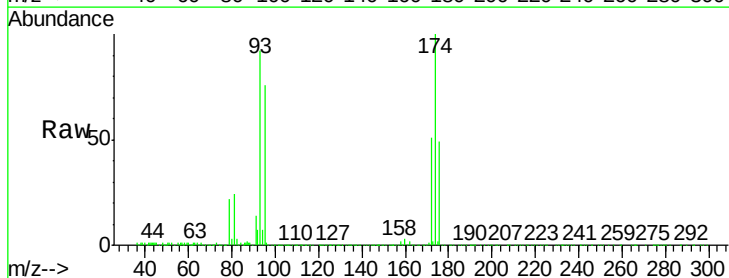
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1223WBSD01

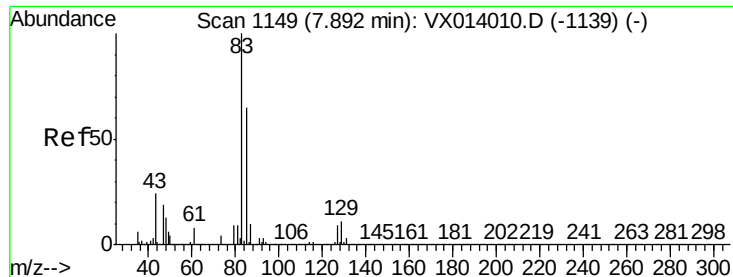
Tgt Ion: 63 Resp: 118256
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.8 38.8



#46
 Dibromomethane
 Concen: 20.269 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014200.D
 Acq: 23 Dec 2019 14:26

Tgt Ion: 93 Resp: 77089
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.3 100.9
 174 113.1 91.6 137.4





#47

Bromodichloromethane

Concen: 20.704 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBSD01

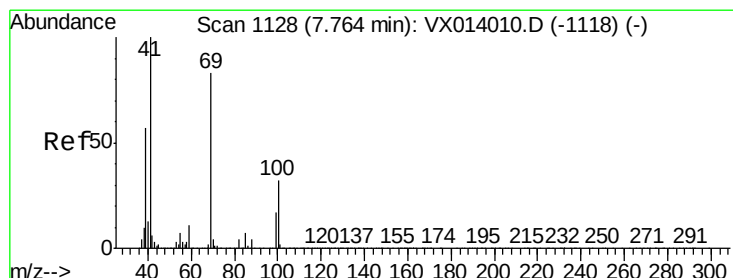
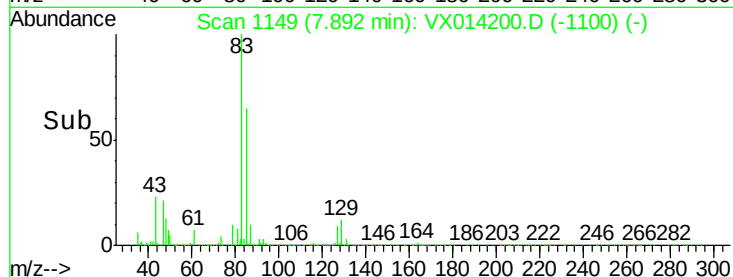
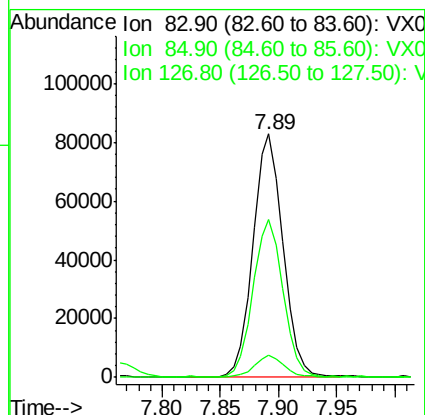
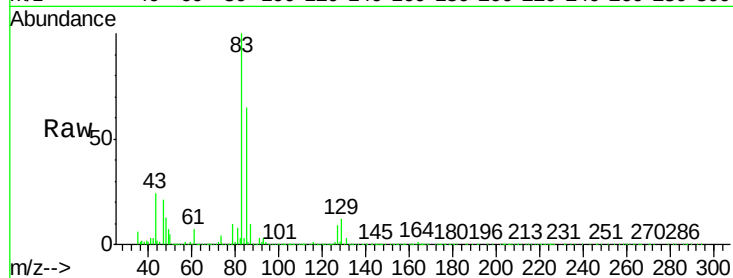
Tgt Ion: 83 Resp: 148299

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.8

127 9.0 7.0 10.4



#48

Methyl methacrylate

Concen: 21.348 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

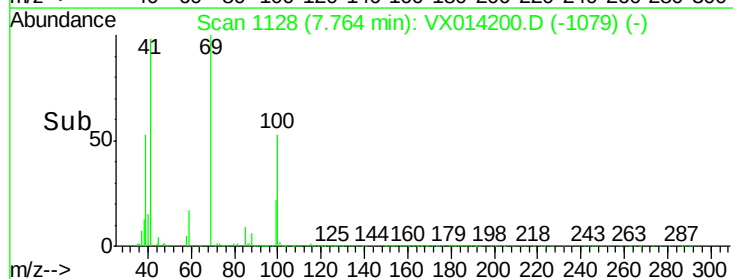
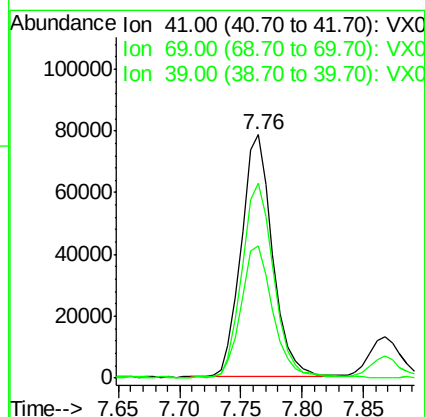
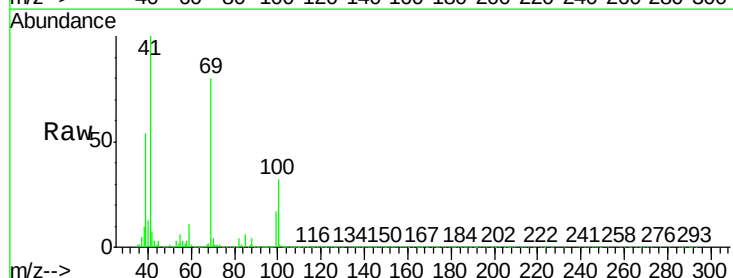
Tgt Ion: 41 Resp: 139351

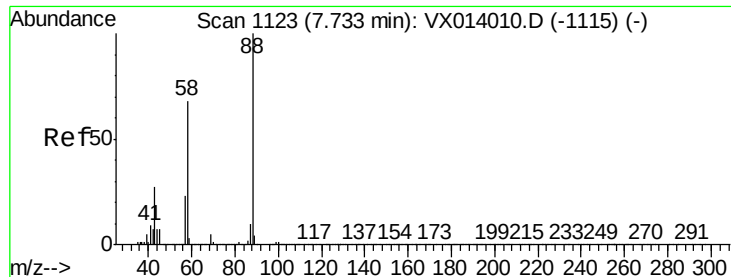
Ion Ratio Lower Upper

41 100

69 82.4 65.8 98.6

39 55.1 44.6 67.0





#49

1,4-Dioxane

Concen: 445.467 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampled :

VX1223WBSD01

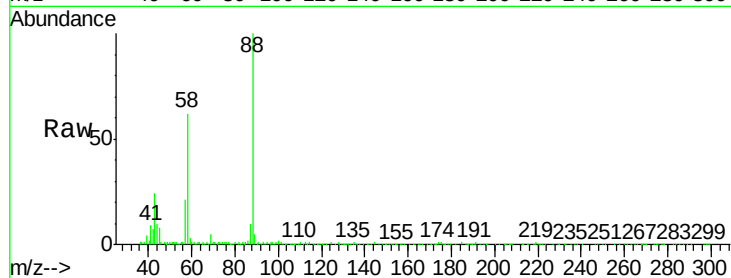
Tgt Ion: 88 Resp: 59175

Ion Ratio Lower Upper

88 100

43 35.3 26.5 39.7

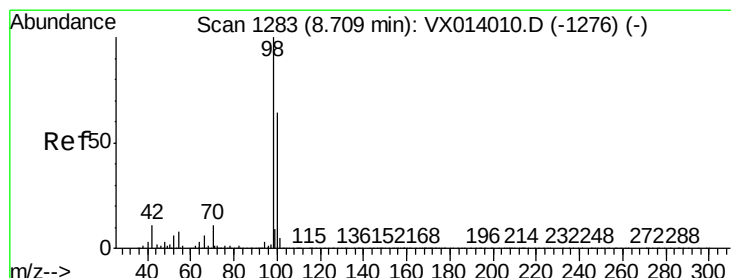
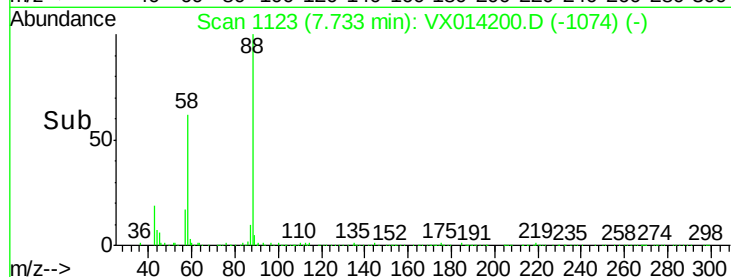
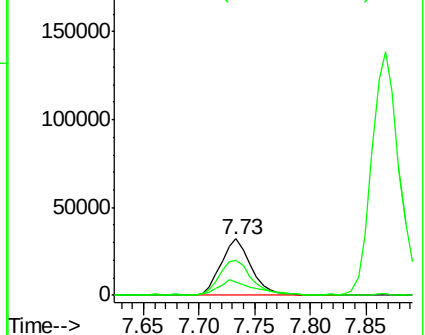
58 68.1 56.8 85.2



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.301 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014200.D

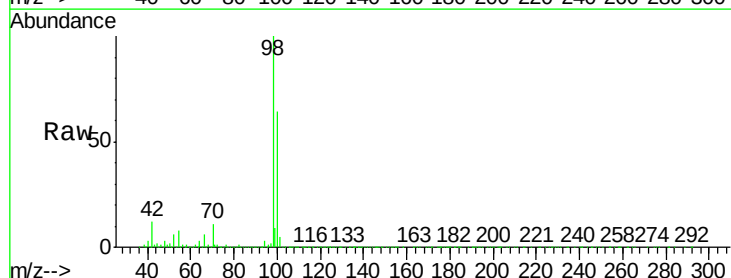
Acq: 23 Dec 2019 14:26

Tgt Ion: 98 Resp: 946379

Ion Ratio Lower Upper

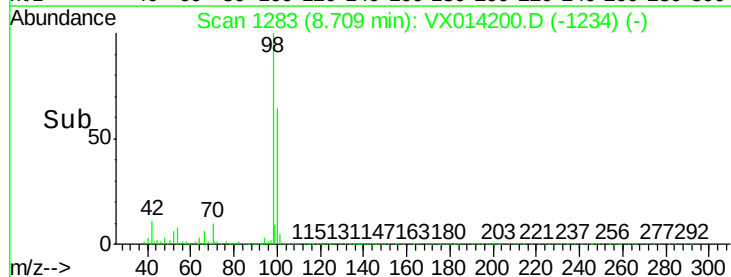
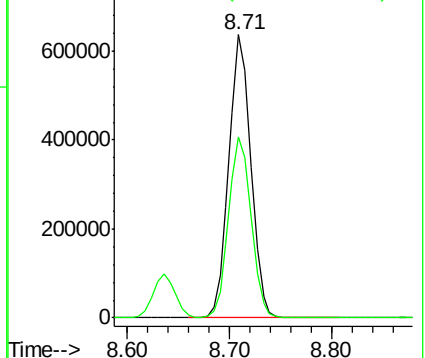
98 100

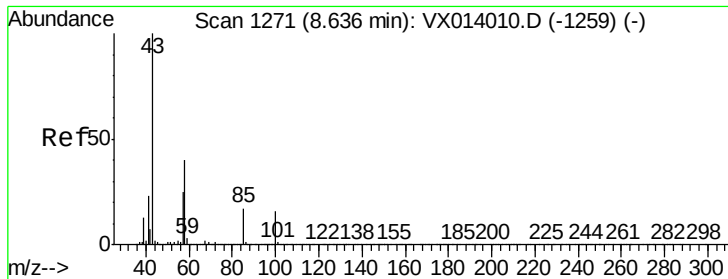
100 65.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

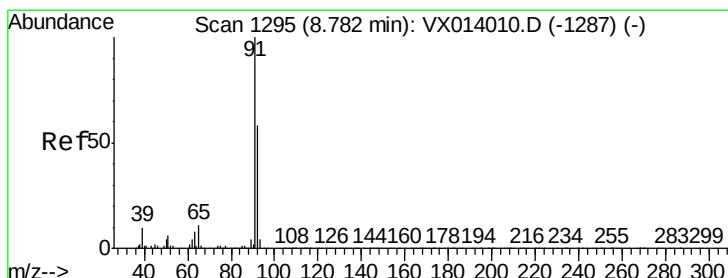
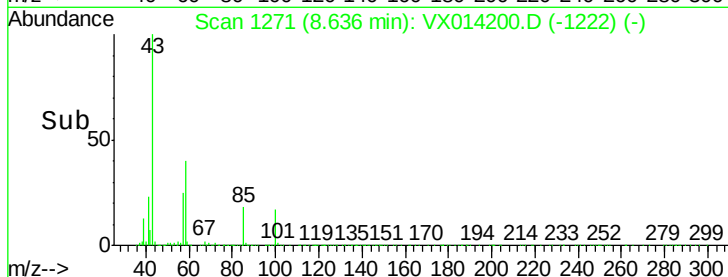
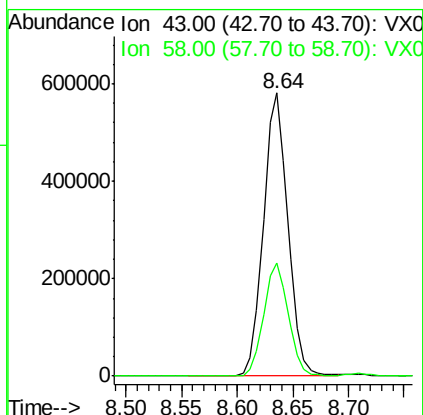
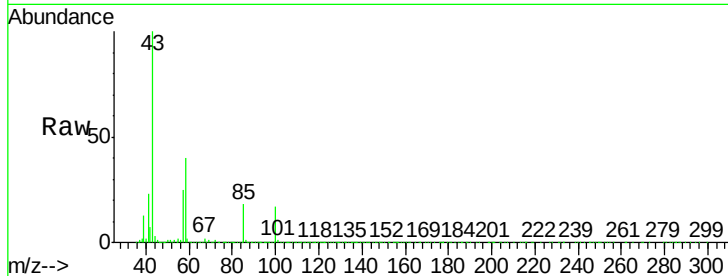




#51
4-Methyl-2-Pentanone
Concen: 106.719 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

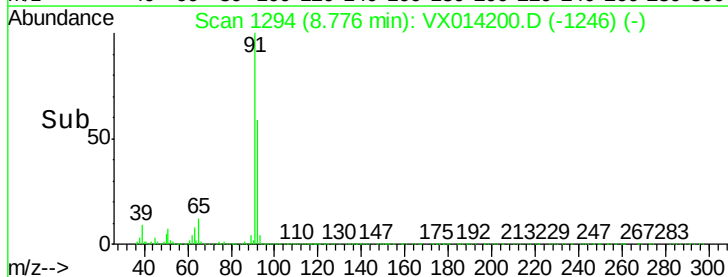
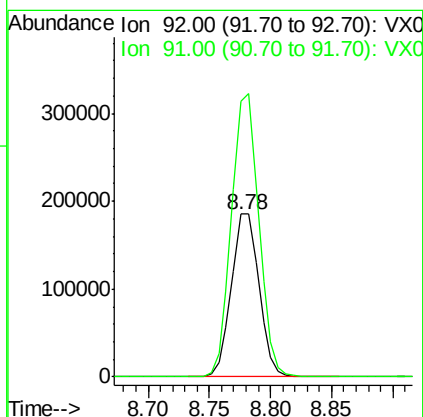
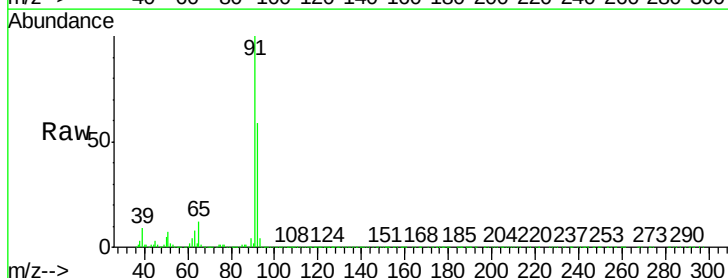
Instrument :
MSVOA_X
ClientSampleId :
VX1223WBSD01

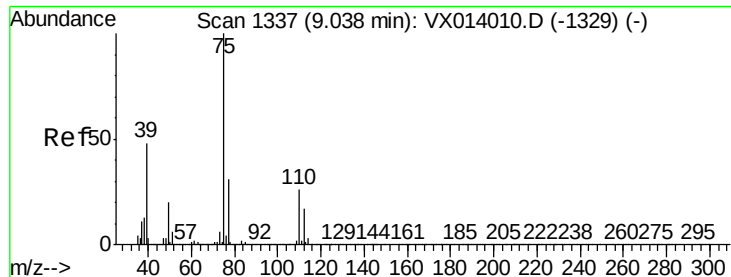
Tgt Ion: 43 Resp: 893434
Ion Ratio Lower Upper
43 100
58 40.1 32.2 48.2



#52
Toluene
Concen: 20.405 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Tgt Ion: 92 Resp: 289459
Ion Ratio Lower Upper
92 100
91 172.3 136.2 204.4





#53

t-1,3-Dichloropropene

Concen: 20.859 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

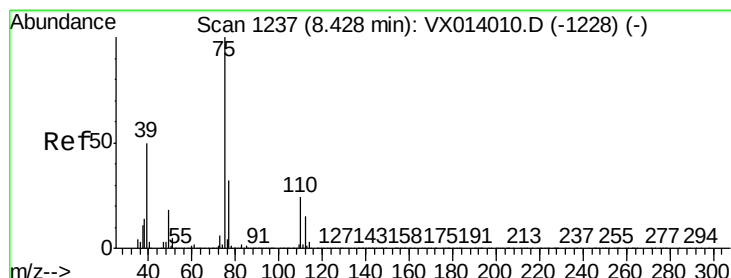
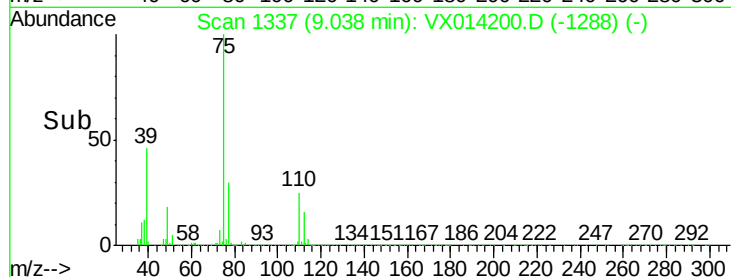
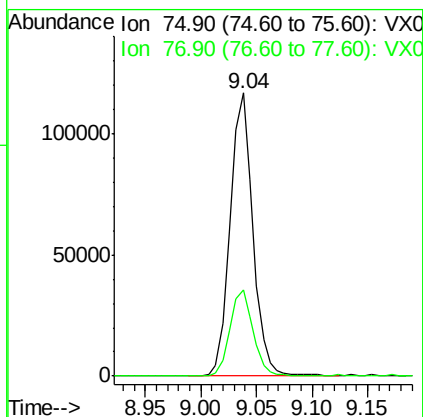
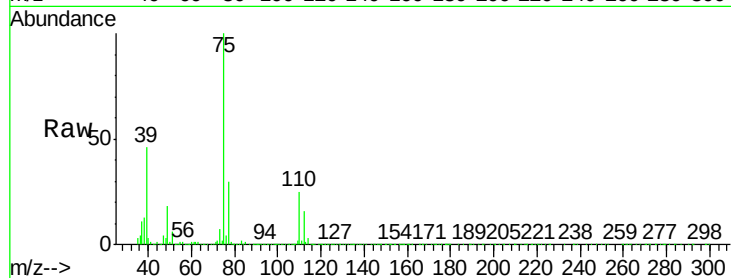
VX1223WBSD01

Tgt Ion: 75 Resp: 163826

Ion Ratio Lower Upper

75 100

77 30.3 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 21.416 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

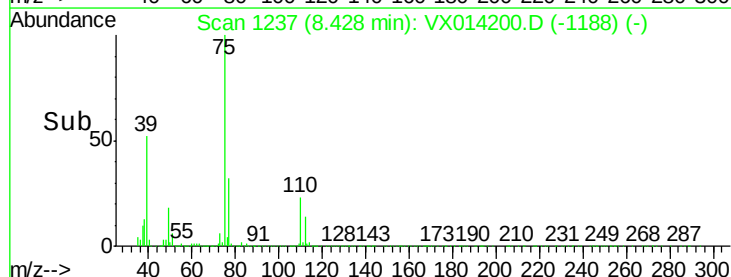
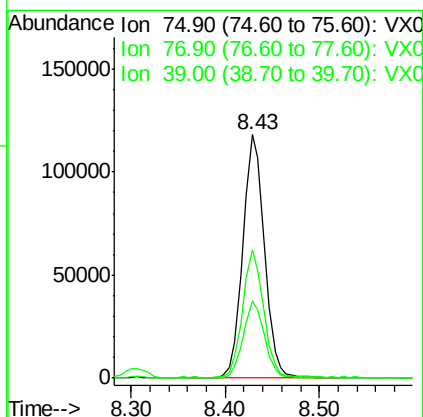
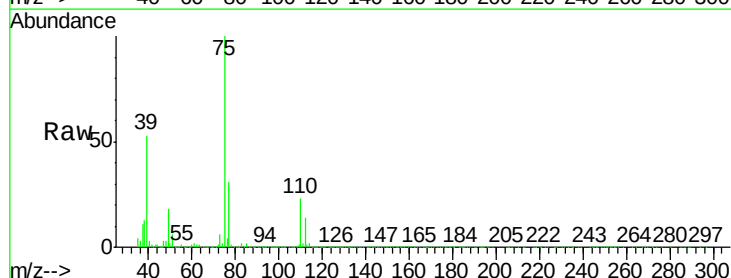
Tgt Ion: 75 Resp: 187395

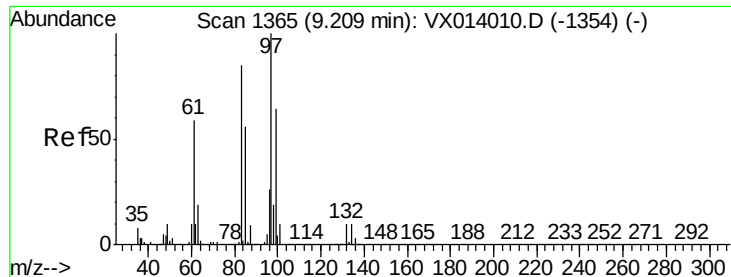
Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9

39 52.2 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 20.929 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBSD01

Tgt Ion: 97 Resp: 118994

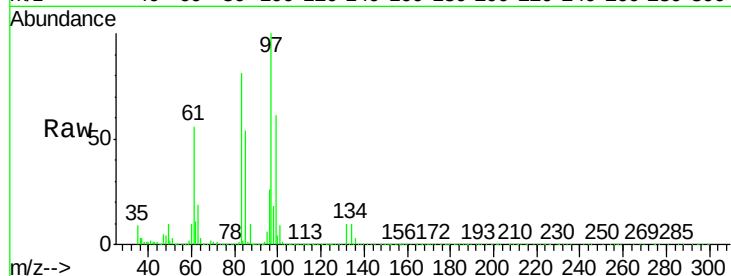
Ion Ratio Lower Upper

97 100

83 81.3 68.2 102.4

85 54.0 44.6 66.8

99 61.4 51.4 77.0

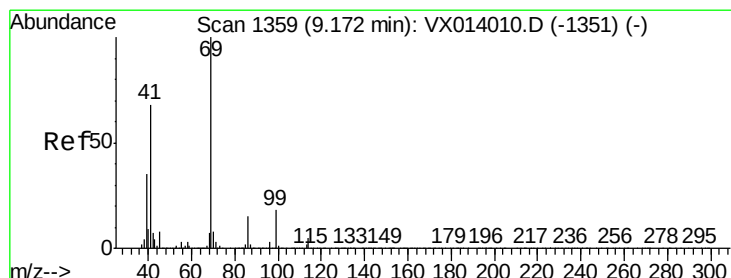
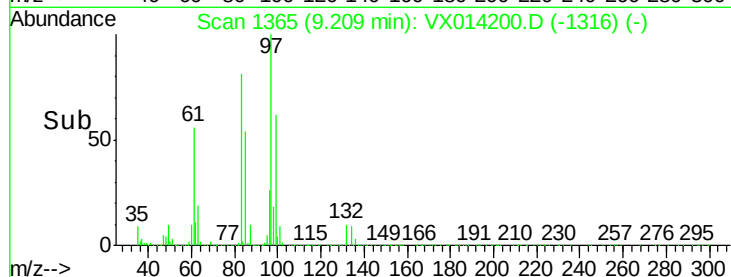
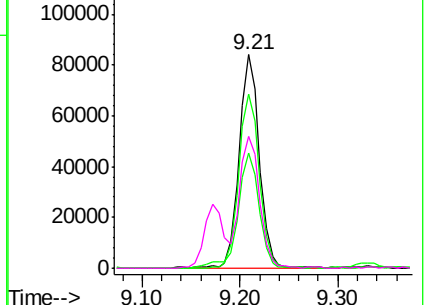


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 21.099 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

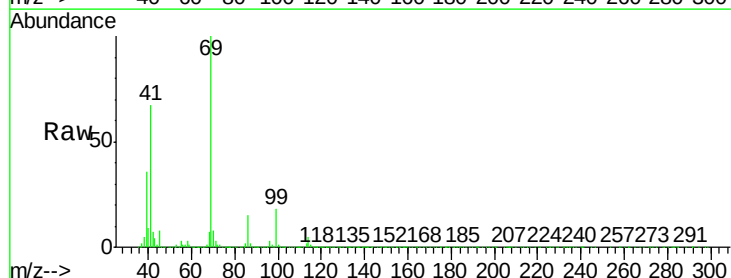
Tgt Ion: 69 Resp: 188440

Ion Ratio Lower Upper

69 100

41 67.5 54.8 82.2

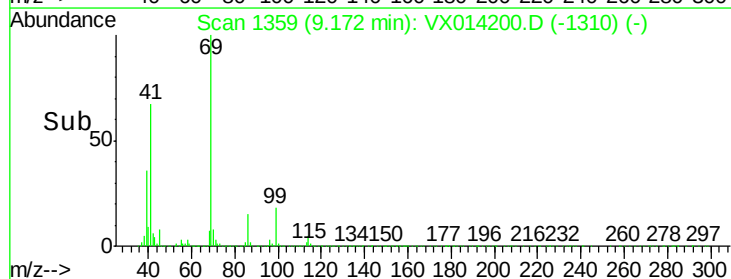
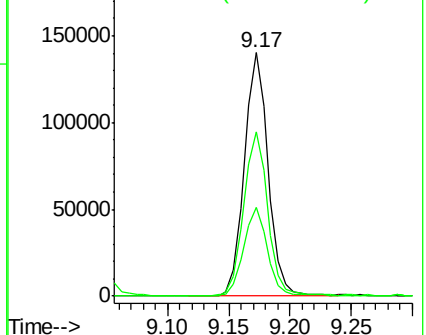
39 36.0 28.3 42.5

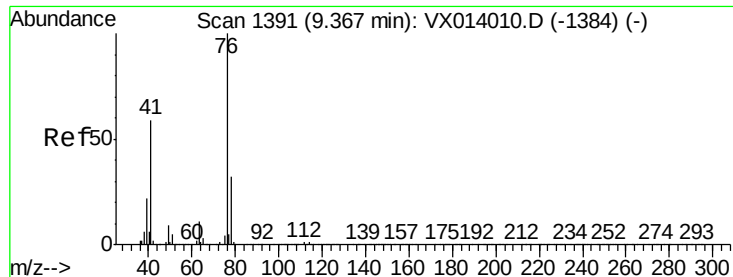


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 21.123 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

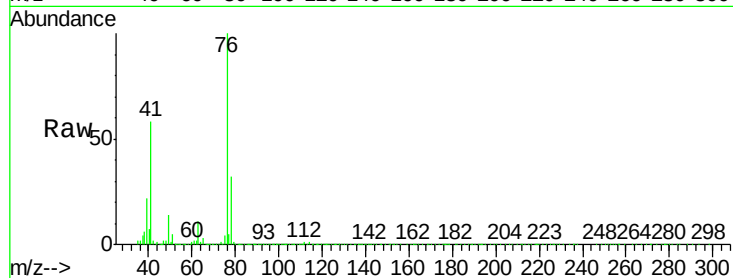
VX1223WBSD01

Tgt Ion: 76 Resp: 202060

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

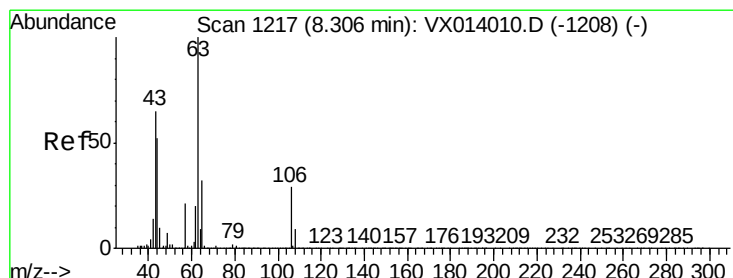
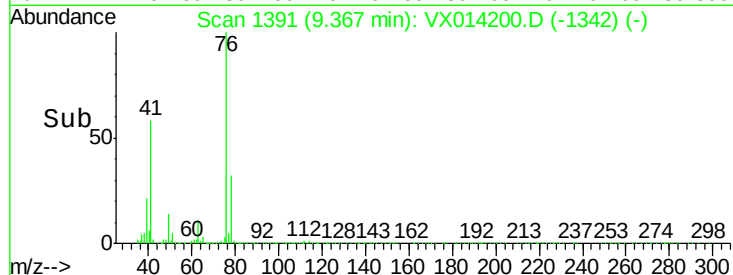
150000

100000

50000

0

9.25 9.30 9.35 9.40 9.45



#58

2-Chloroethyl Vinyl ether

Concen: 103.280 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014200.D

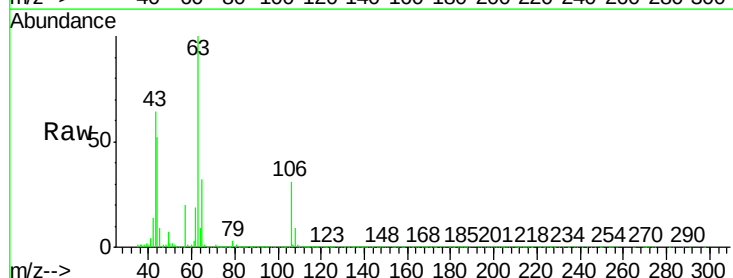
Acq: 23 Dec 2019 14:26

Tgt Ion: 63 Resp: 349070

Ion Ratio Lower Upper

63 100

106 29.1 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

250000

200000

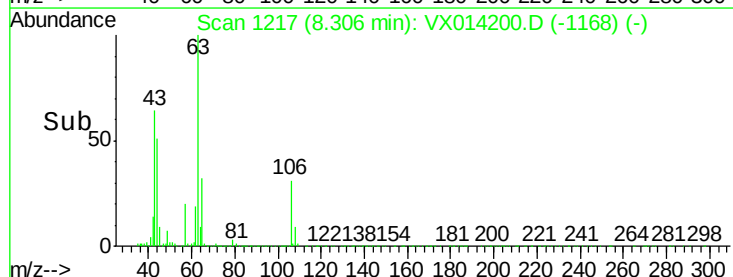
150000

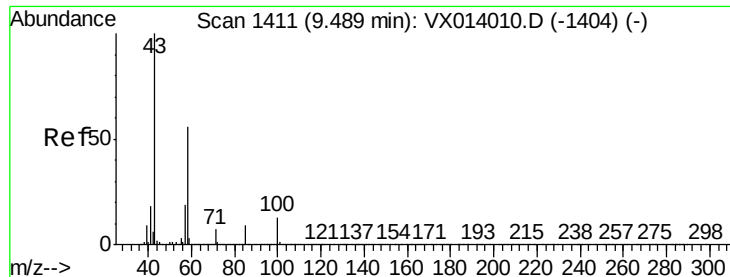
100000

50000

0

8.20 8.30 8.40

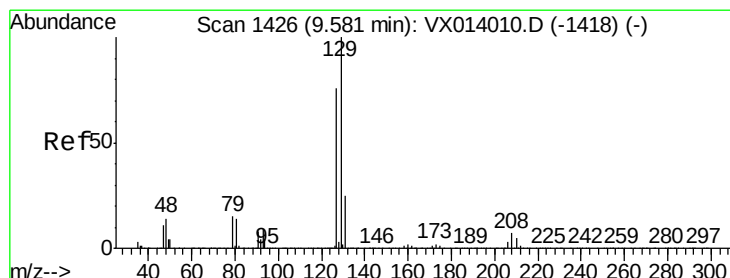
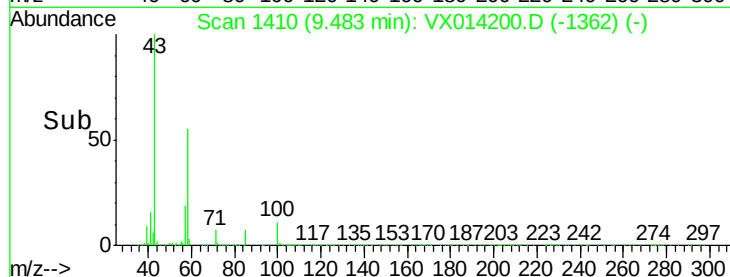
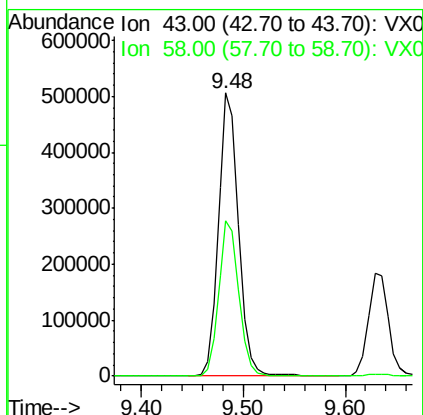
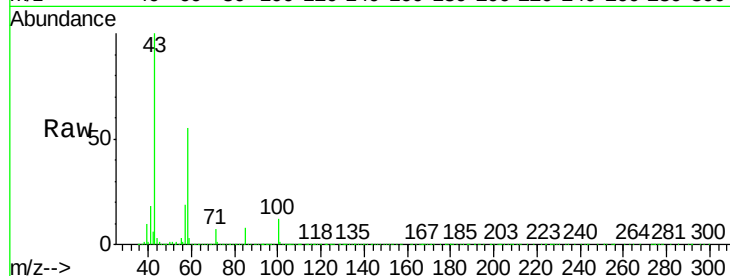




#59
2-Hexanone
Concen: 103.548 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

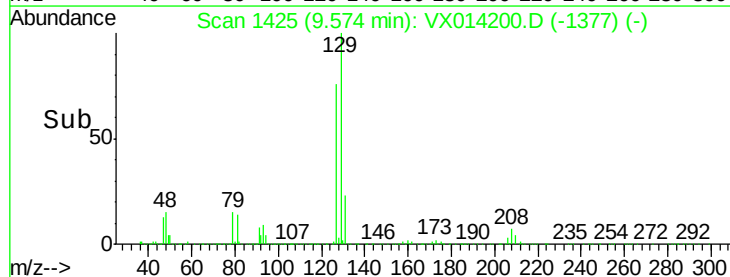
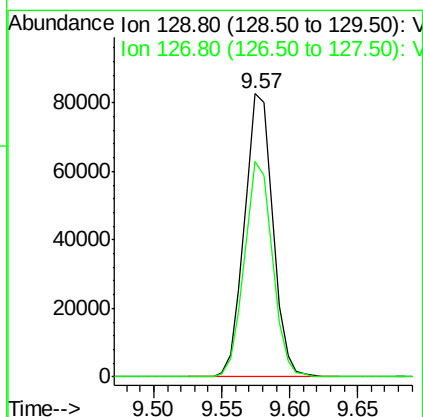
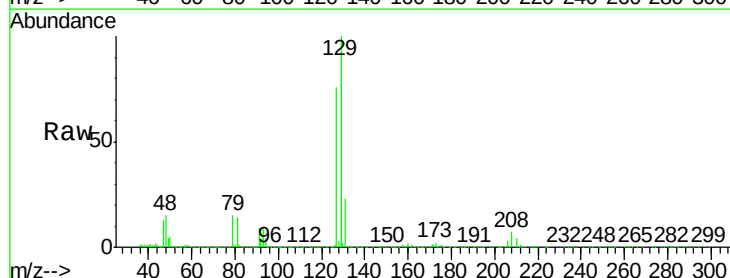
Instrument :
MSVOA_X
ClientSampleId :
VX1223WBSD01

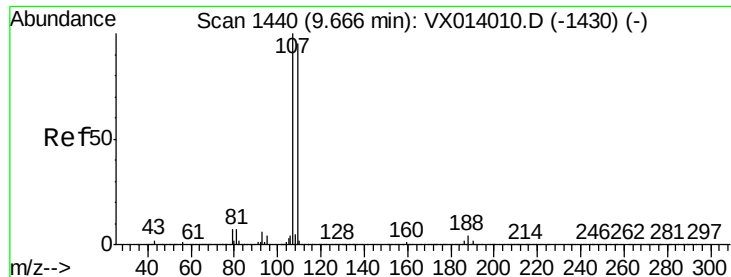
Tgt Ion: 43 Resp: 697844
Ion Ratio Lower Upper
43 100
58 55.1 28.0 84.0



#60
Dibromochloromethane
Concen: 21.490 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Tgt Ion: 129 Resp: 121452
Ion Ratio Lower Upper
129 100
127 74.8 38.4 115.2





#61

1,2-Dibromoethane

Concen: 21.518 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

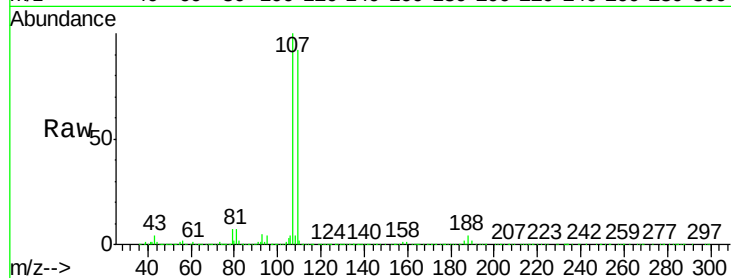
VX1223WBSD01

Tgt Ion: 107 Resp: 125176

Ion Ratio Lower Upper

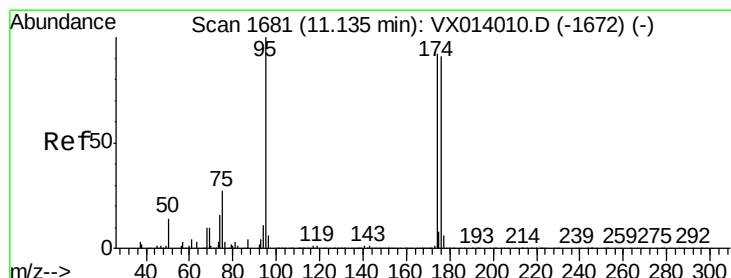
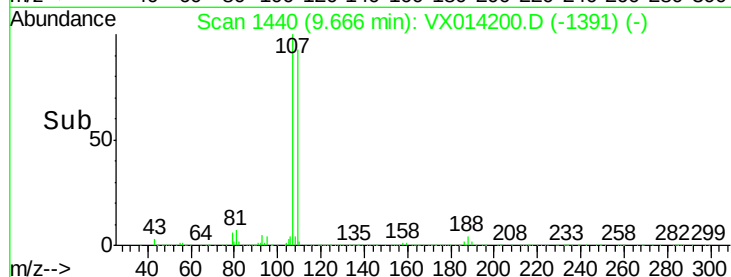
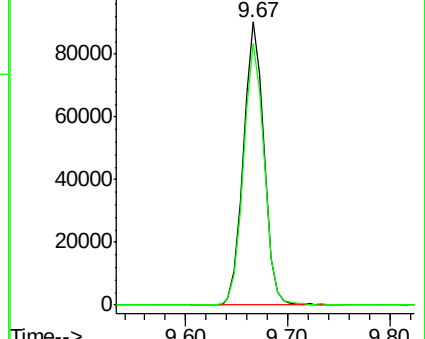
107 100

109 92.9 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.036 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

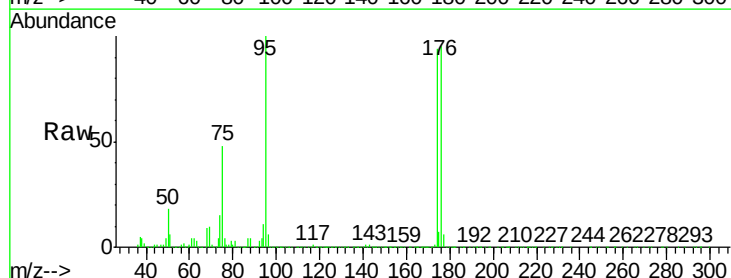
Tgt Ion: 95 Resp: 330361

Ion Ratio Lower Upper

95 100

174 88.8 0.0 175.8

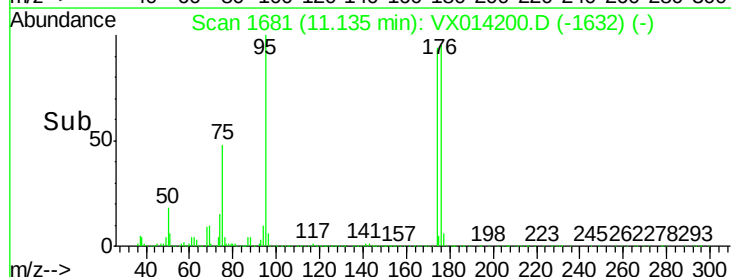
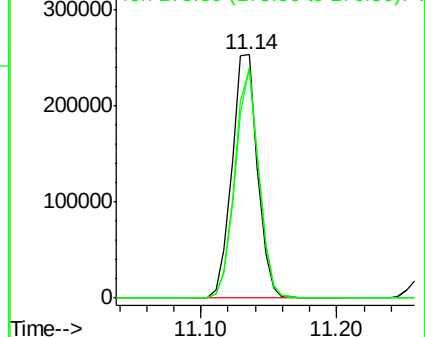
176 86.7 0.0 173.0

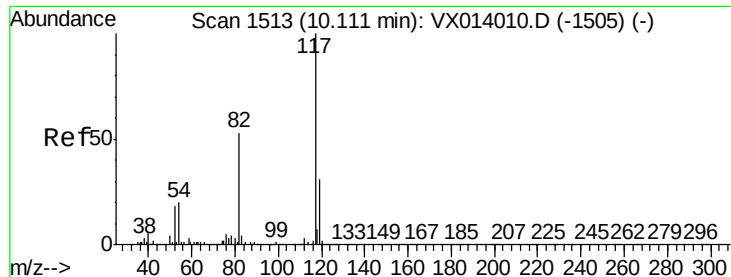


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

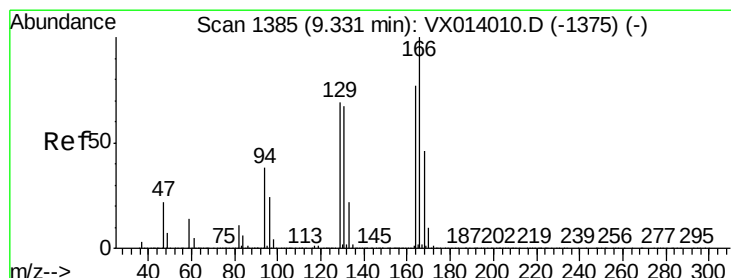
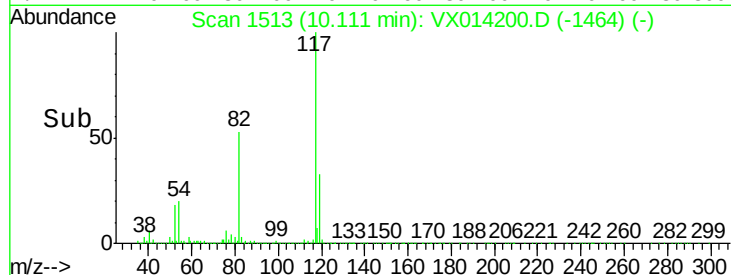
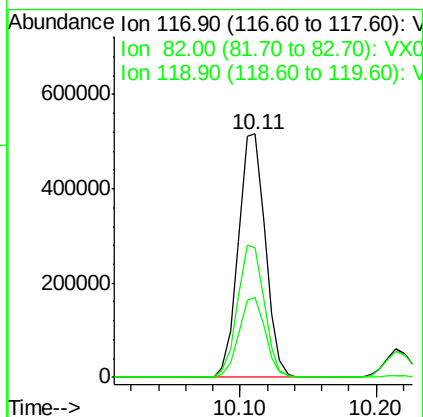
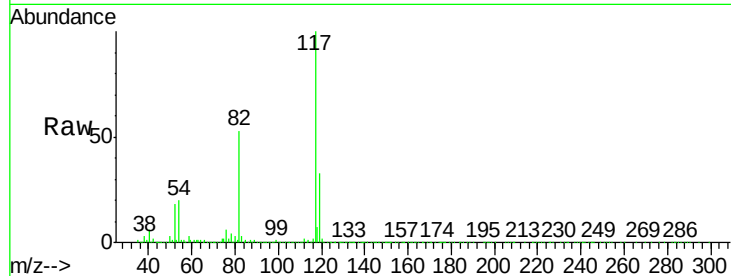




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

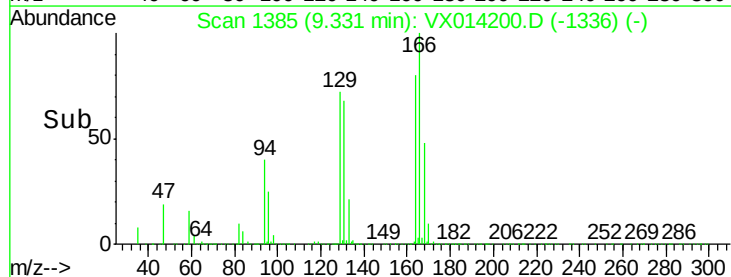
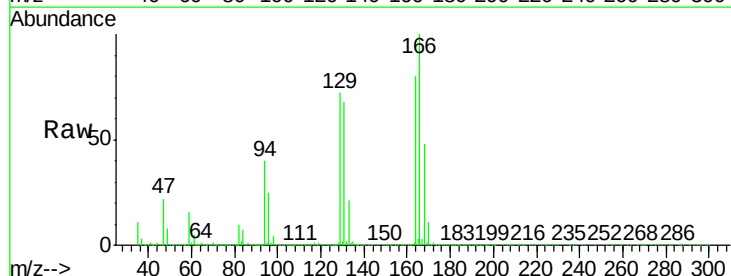
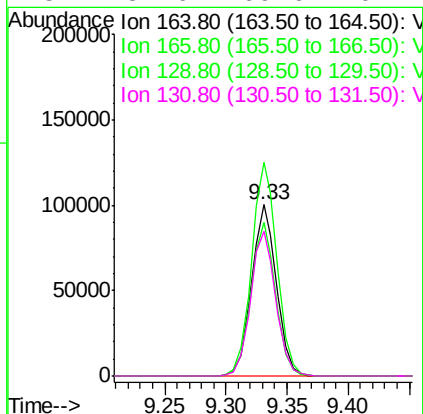
Instrument :
MSVOA_X
ClientSampled :
VX1223WBSD01

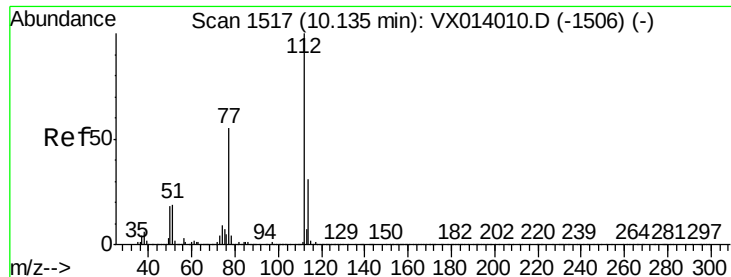
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.2	63.4
119	32.7	25.1	37.7



#64
Tetrachloroethene
Concen: 22.537 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	104.0	156.0
129	89.2	72.2	108.4
131	84.6	69.6	104.4

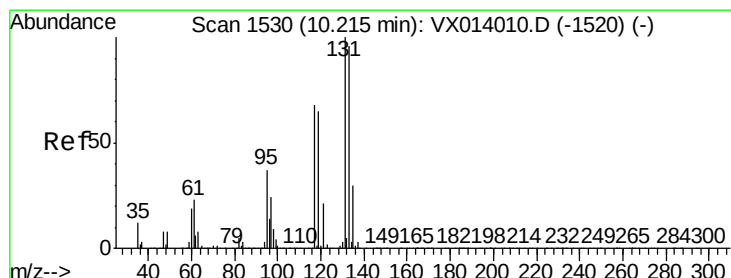
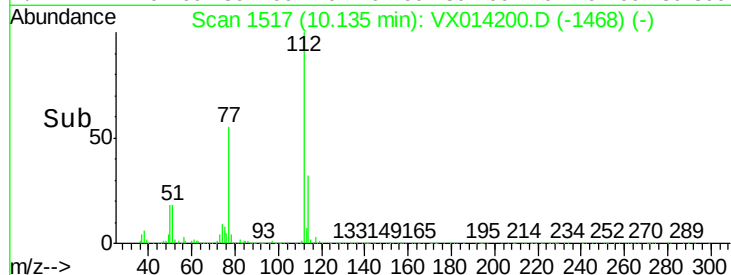
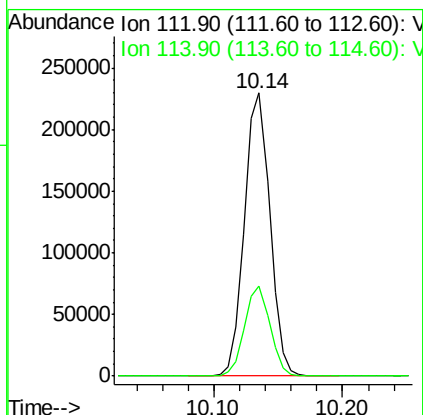
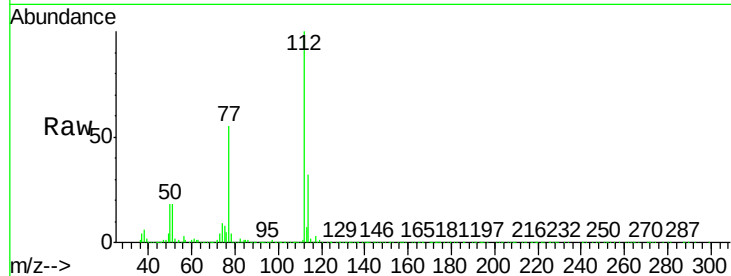




#65
Chlorobenzene
Concen: 20.584 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

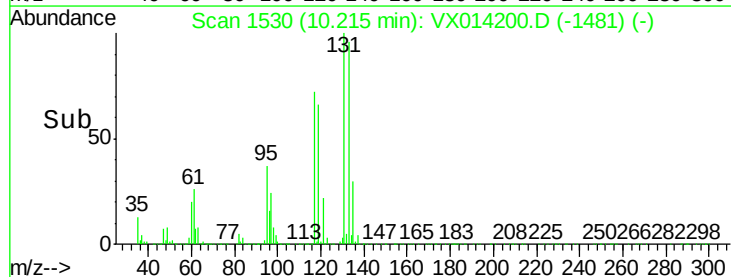
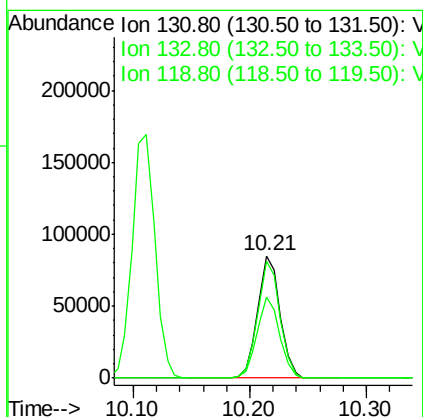
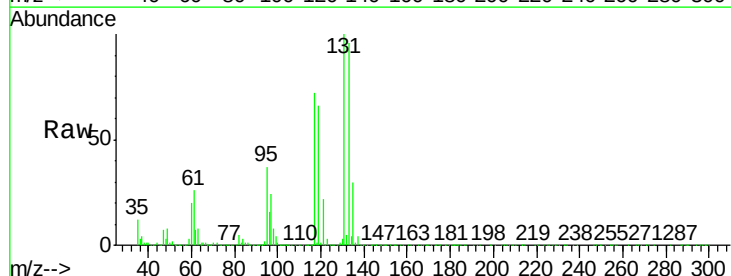
Instrument :
MSVOA_X
ClientSampled :
VX1223WBSD01

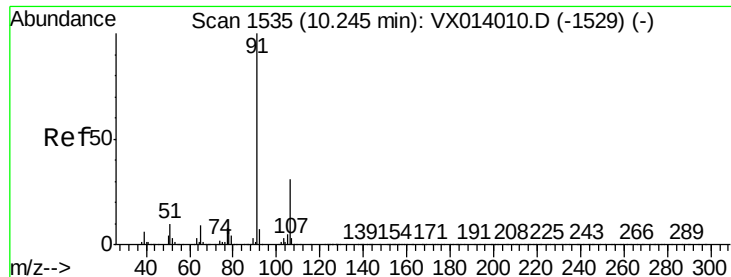
Tgt Ion:112 Resp: 312148
Ion Ratio Lower Upper
112 100
114 31.8 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.153 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Tgt Ion:131 Resp: 114535
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.0
119 66.0 33.4 100.2





#67

Ethyl Benzene

Concen: 21.055 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

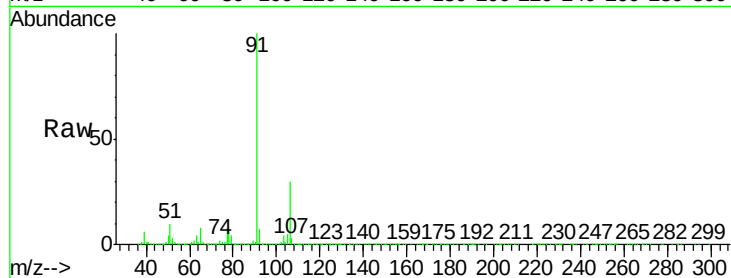
VX1223WBSD01

Tgt Ion: 91 Resp: 548928

Ion Ratio Lower Upper

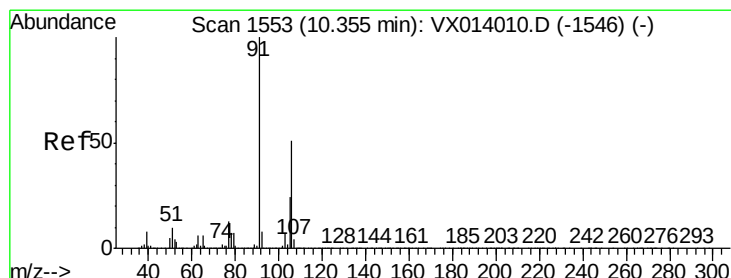
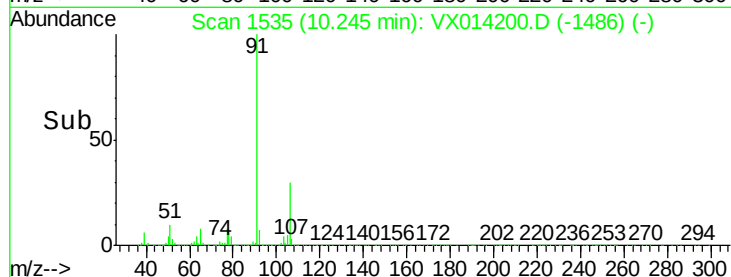
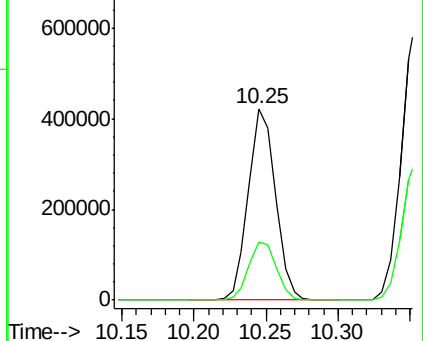
91 100

106 30.5 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.179 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014200.D

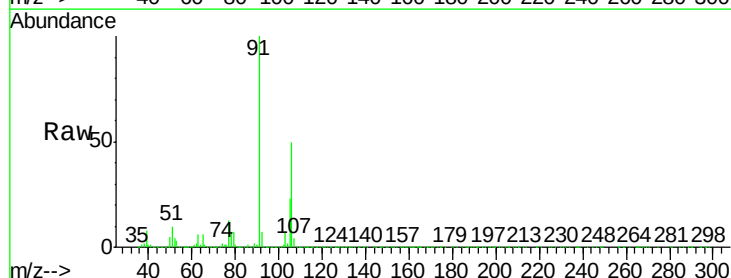
Acq: 23 Dec 2019 14:26

Tgt Ion: 106 Resp: 412918

Ion Ratio Lower Upper

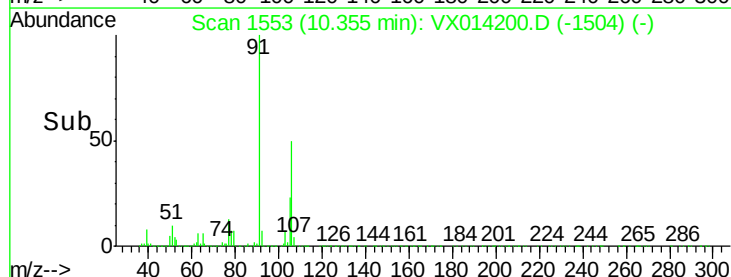
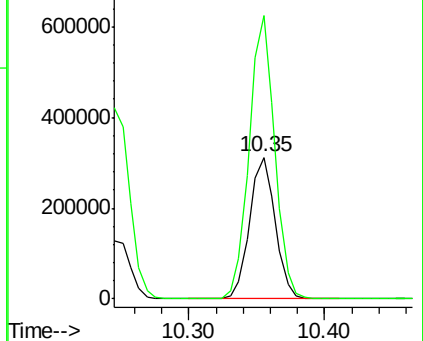
106 100

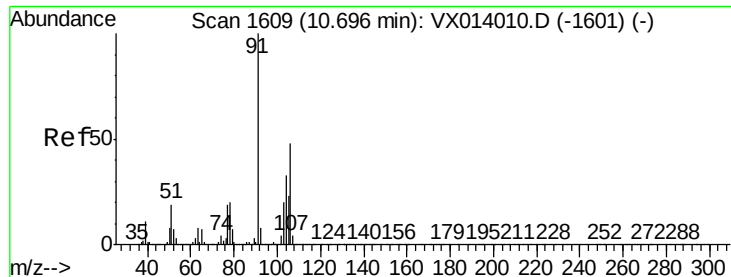
91 198.5 158.6 238.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

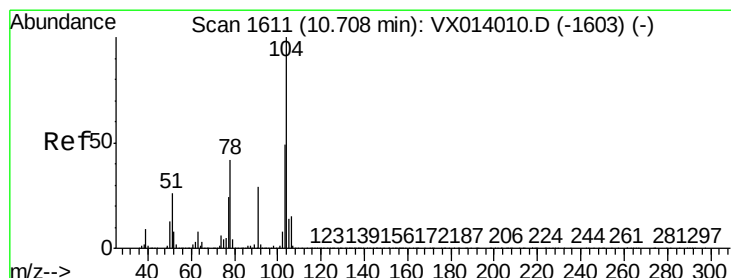
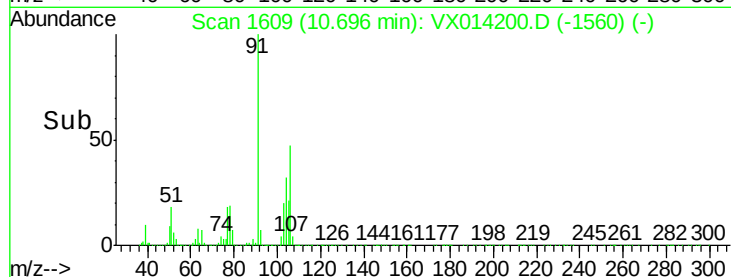
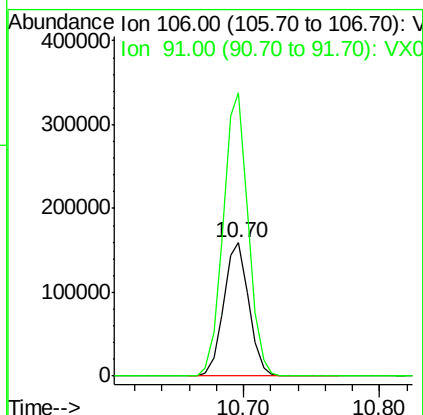
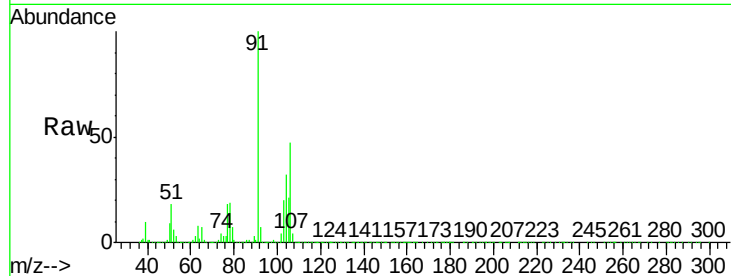




#69
o-Xylene
Concen: 20.609 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

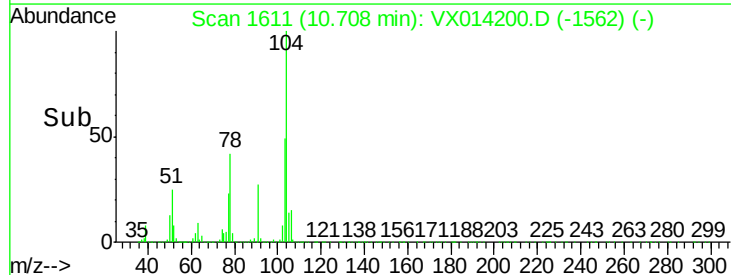
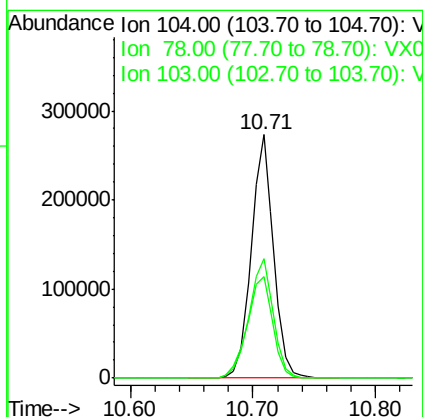
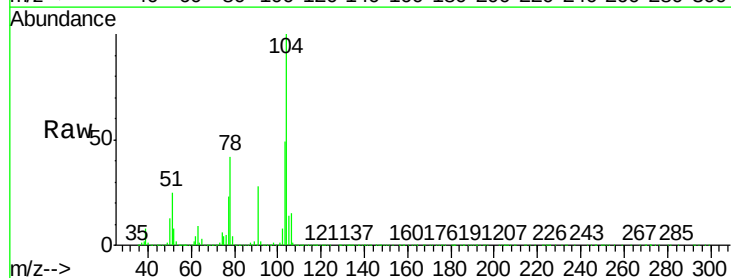
Instrument :
MSVOA_X
ClientSampleId :
VX1223WBSD01

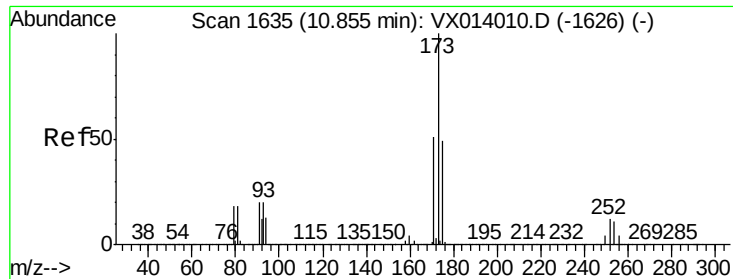
Tgt Ion:106 Resp: 202677
Ion Ratio Lower Upper
106 100
91 211.4 104.2 312.6



#70
Styrene
Concen: 20.712 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Tgt Ion:104 Resp: 344430
Ion Ratio Lower Upper
104 100
78 48.5 38.5 57.7
103 54.5 42.9 64.3





#71

Bromoform

Concen: 20.704 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBSD01

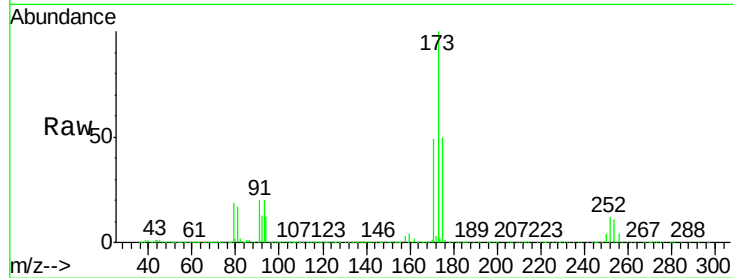
Tgt Ion:173 Resp: 90112

Ion Ratio Lower Upper

173 100

175 50.9 24.4 73.4

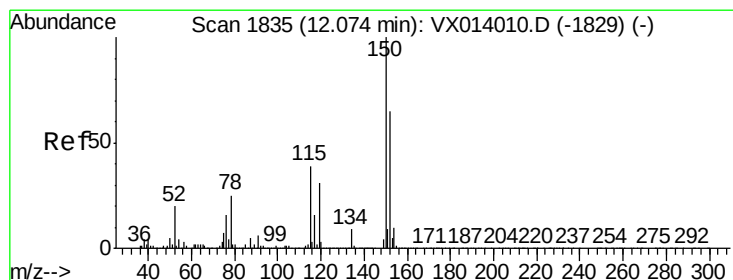
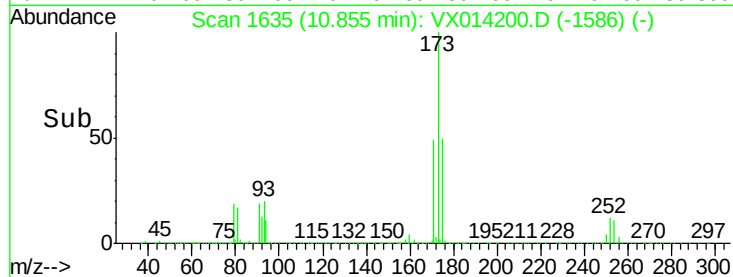
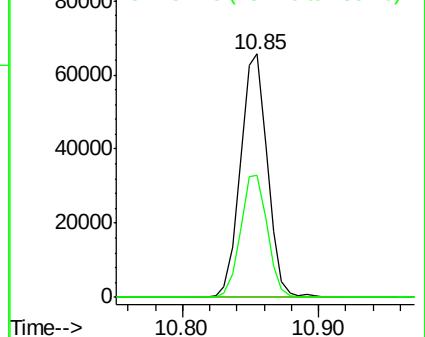
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

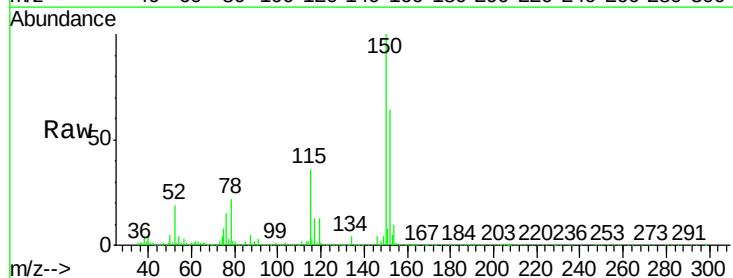
Tgt Ion:152 Resp: 347525

Ion Ratio Lower Upper

152 100

115 64.7 38.3 114.9

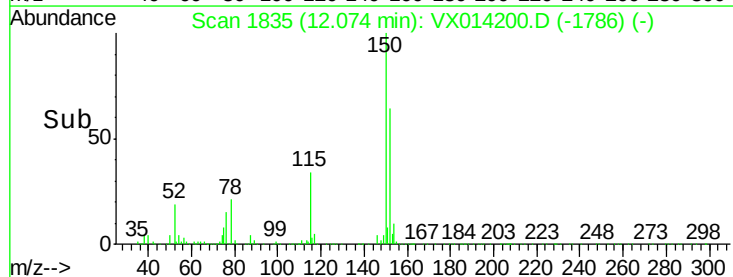
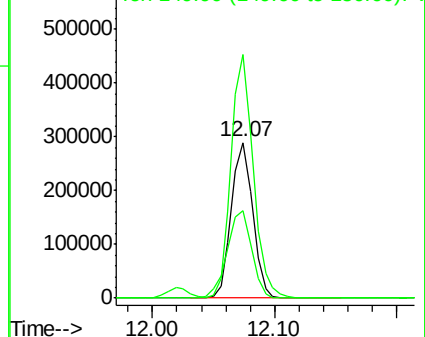
150 162.3 0.0 345.4

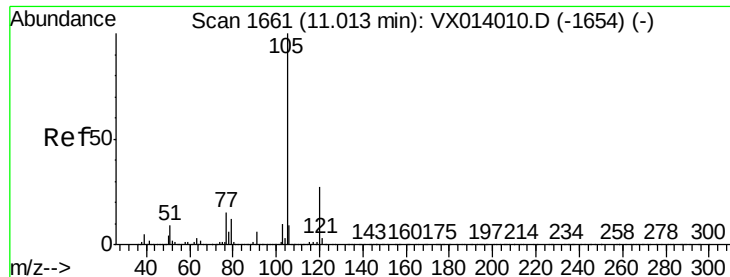


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

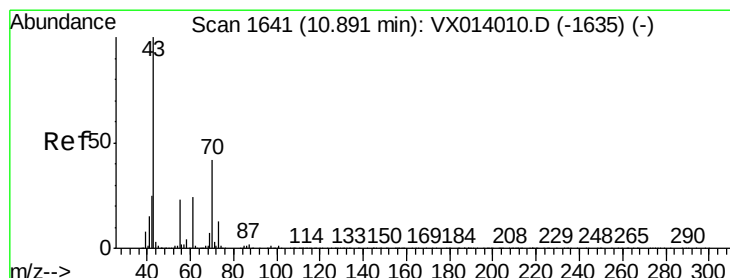
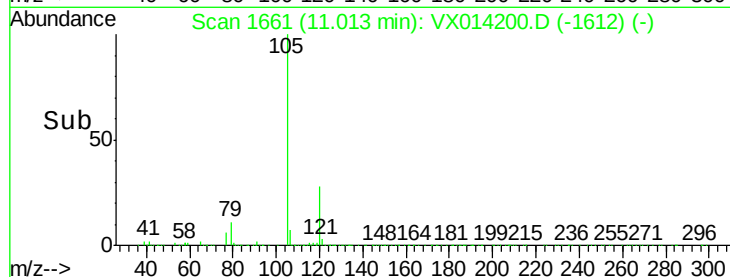
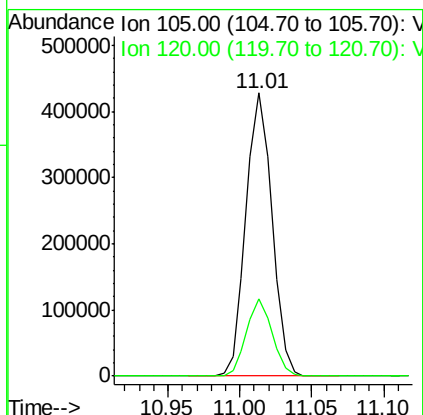
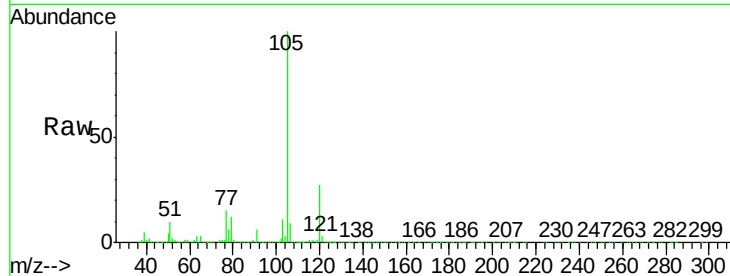




#73
Isopropylbenzene
Concen: 21.942 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

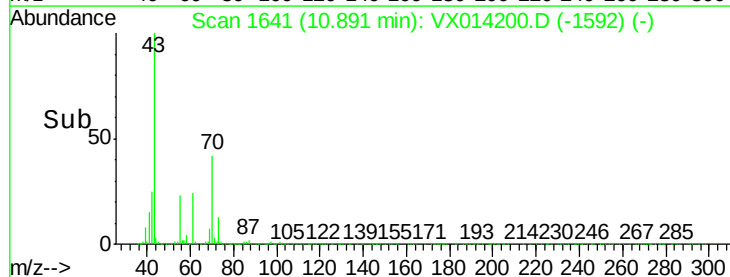
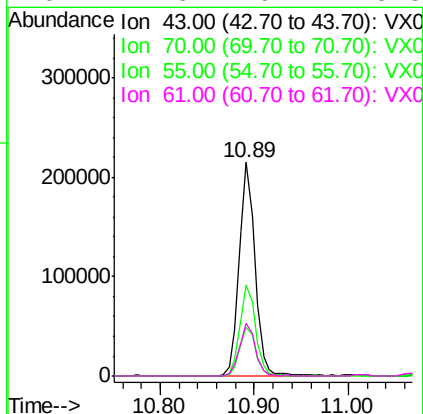
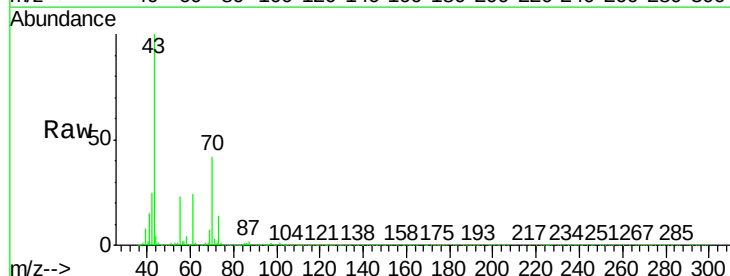
Instrument :
MSVOA_X
ClientSampleId :
VX1223WBSD01

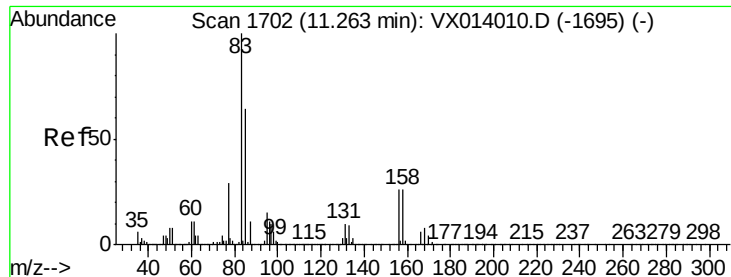
Tgt Ion: 105 Resp: 536896
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4



#74
N-ethyl acetate
Concen: 21.849 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Tgt Ion: 43 Resp: 250592
Ion Ratio Lower Upper
43 100
70 42.6 34.4 51.6
55 23.6 19.1 28.7
61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.127 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBSD01

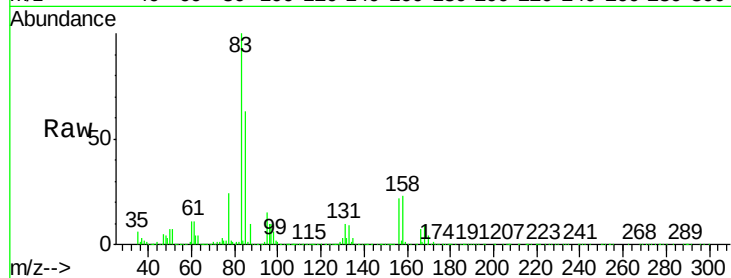
Tgt Ion: 83 Resp: 179221

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.2

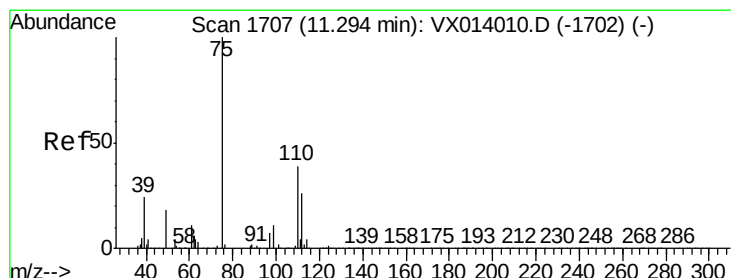
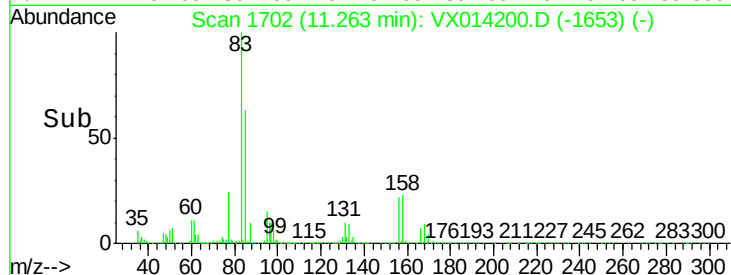
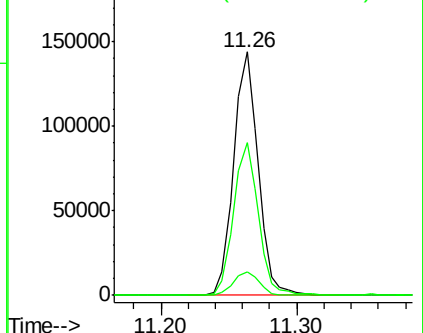
85 63.9 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.432 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX014200.D

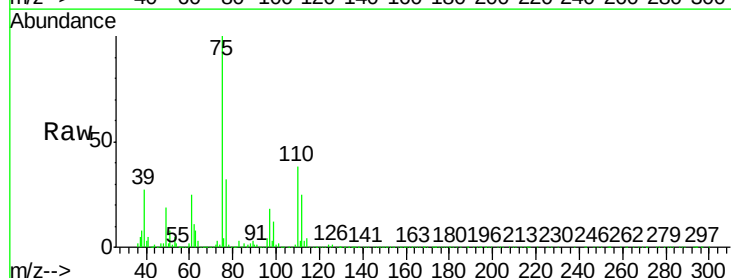
Acq: 23 Dec 2019 14:26

Tgt Ion: 75 Resp: 206964

Ion Ratio Lower Upper

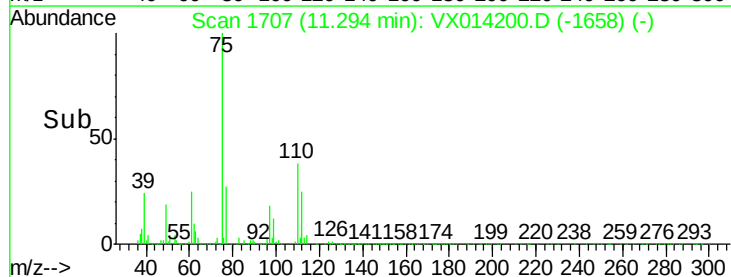
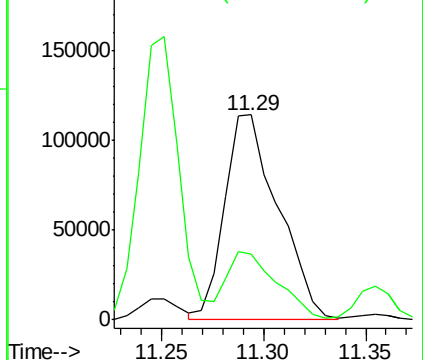
75 100

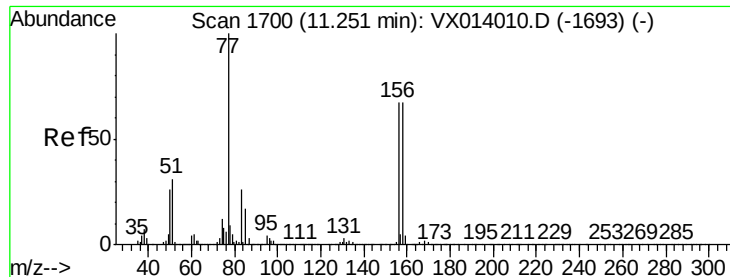
77 31.1 19.3 57.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.735 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBSD01

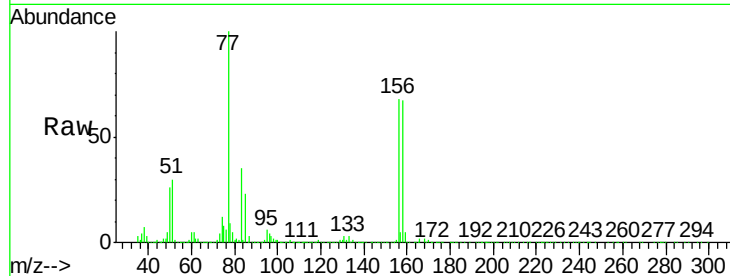
Tgt Ion: 156 Resp: 139590

Ion Ratio Lower Upper

156 100

77 152.7 76.5 229.5

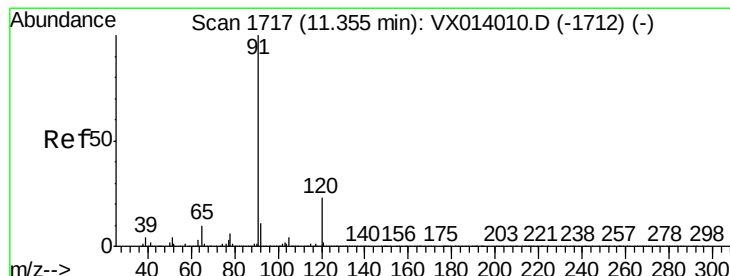
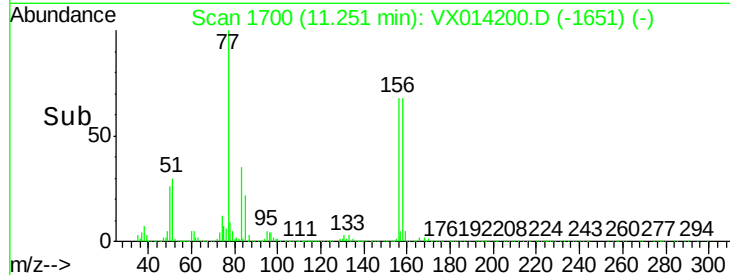
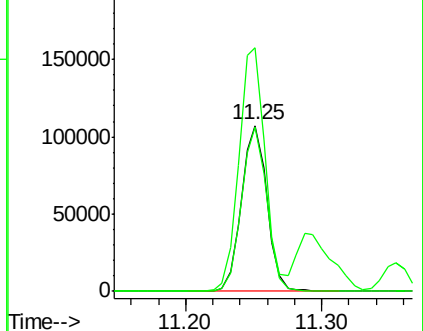
158 98.3 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.911 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014200.D

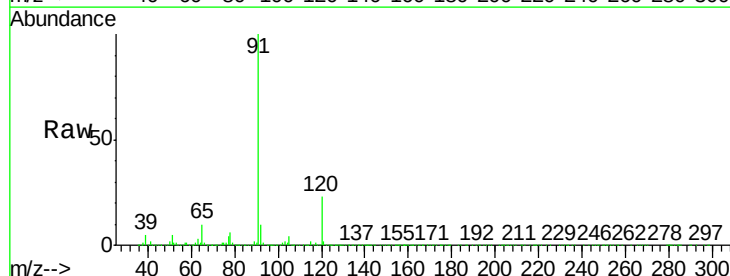
Acq: 23 Dec 2019 14:26

Tgt Ion: 91 Resp: 601360

Ion Ratio Lower Upper

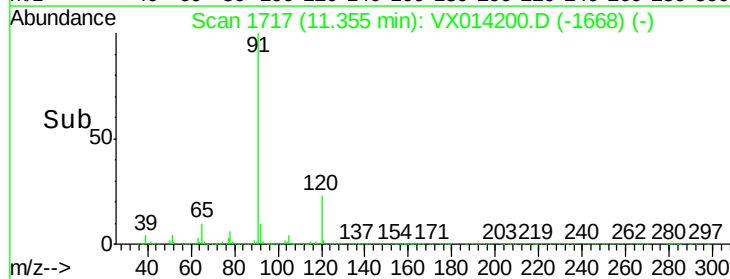
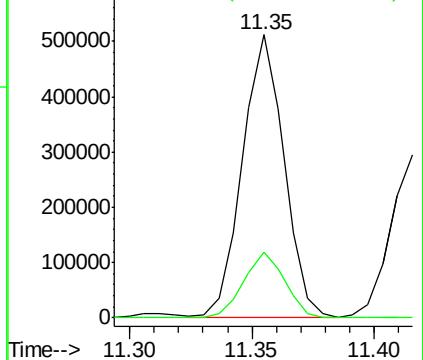
91 100

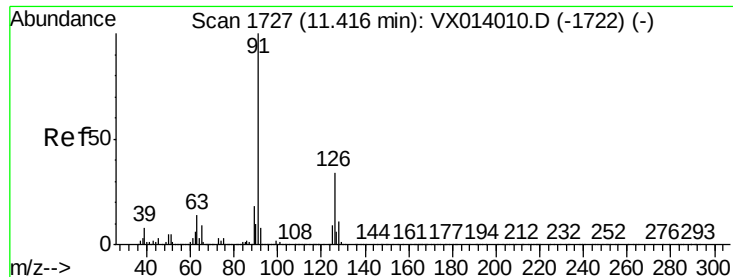
120 23.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

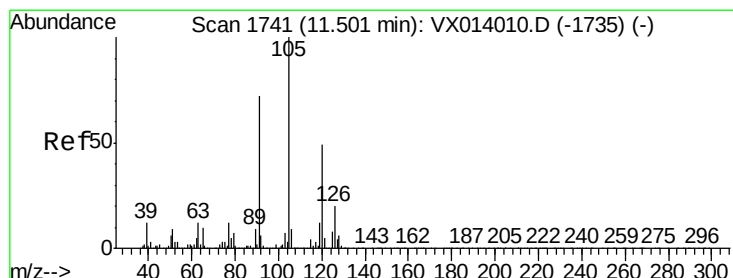
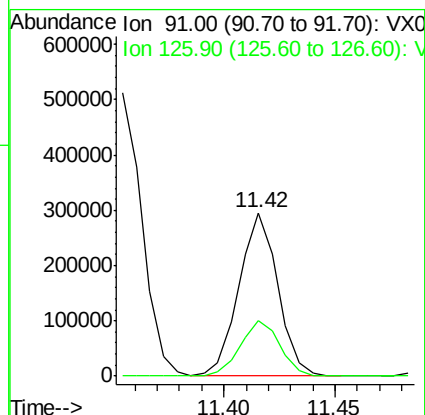
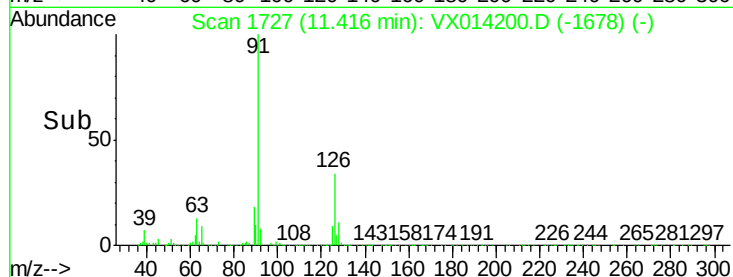
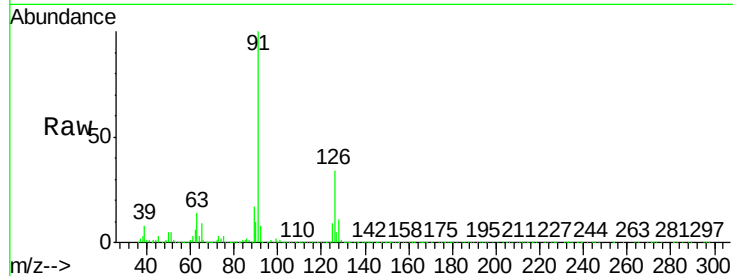




#79
 2-Chlorotoluene
 Concen: 21.416 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014200.D
 Acq: 23 Dec 2019 14:26

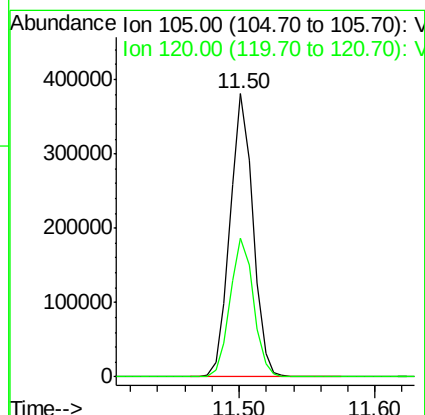
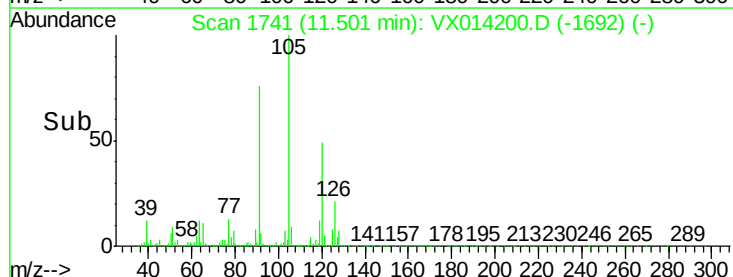
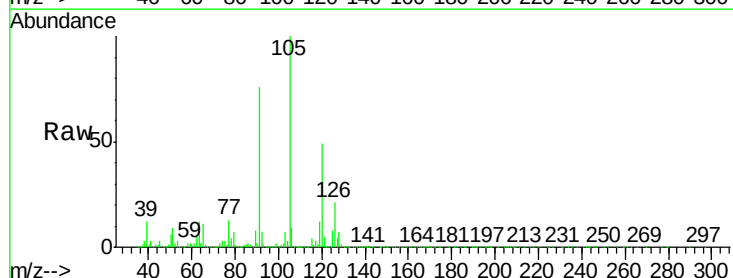
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1223WBSD01

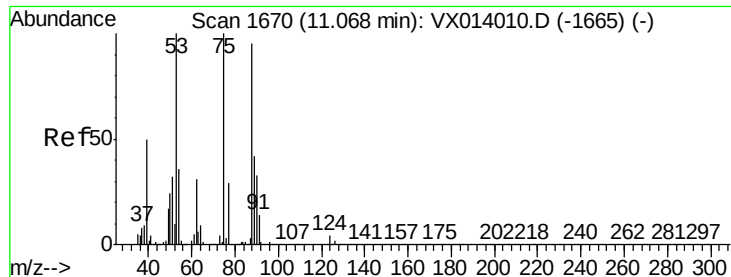
Tgt Ion: 91 Resp: 357302
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.2 51.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.698 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014200.D
 Acq: 23 Dec 2019 14:26

Tgt Ion: 105 Resp: 446828
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.295 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBSD01

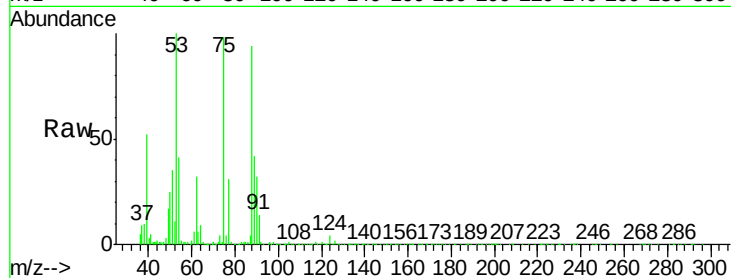
Tgt Ion: 75 Resp: 56922

Ion Ratio Lower Upper

75 100

53 103.7 76.7 115.1

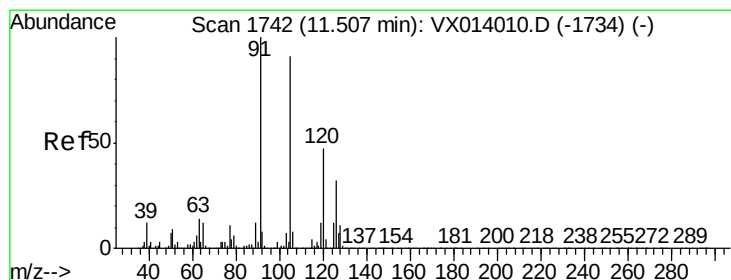
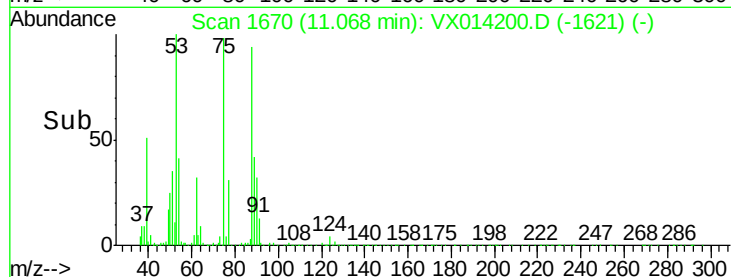
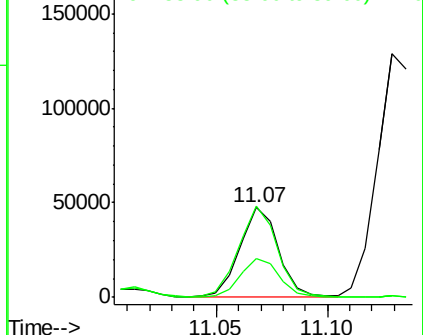
89 43.4 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.928 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014200.D

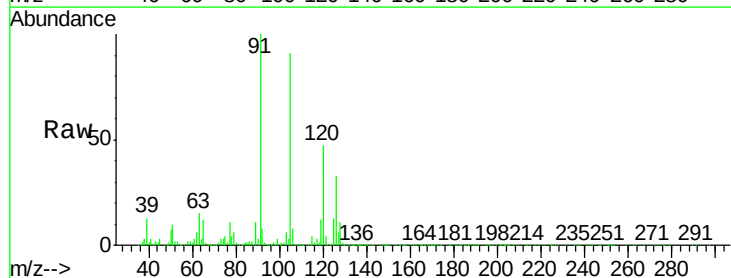
Acq: 23 Dec 2019 14:26

Tgt Ion: 91 Resp: 405011

Ion Ratio Lower Upper

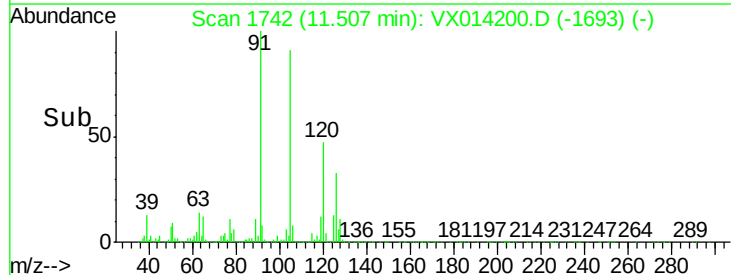
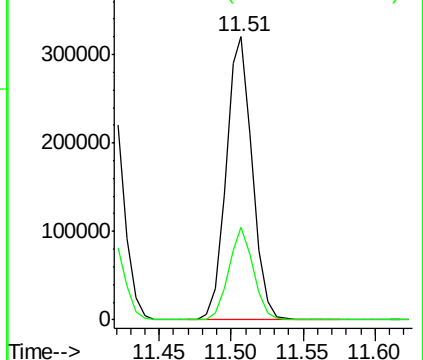
91 100

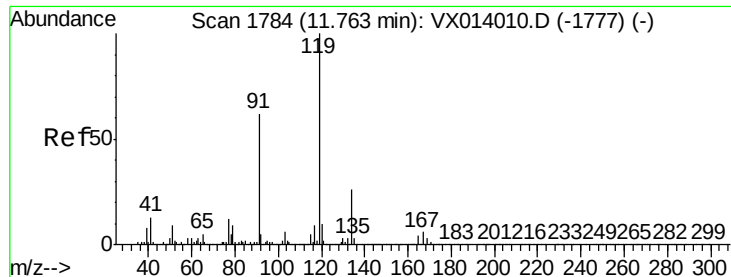
126 30.9 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

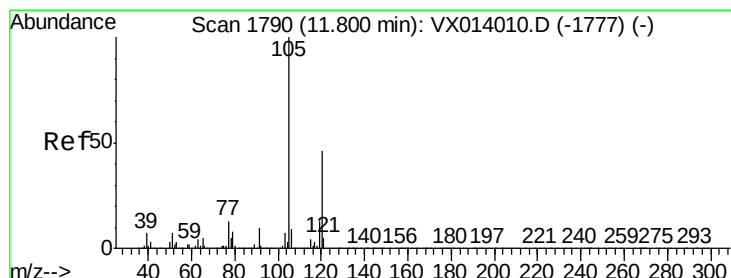
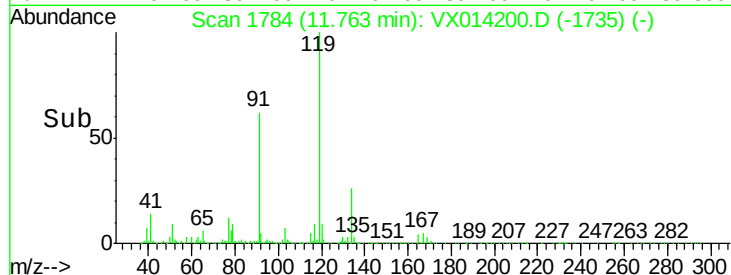
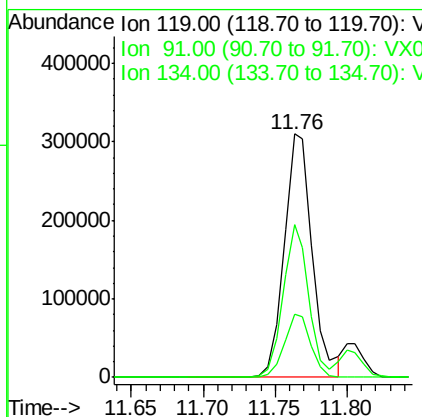
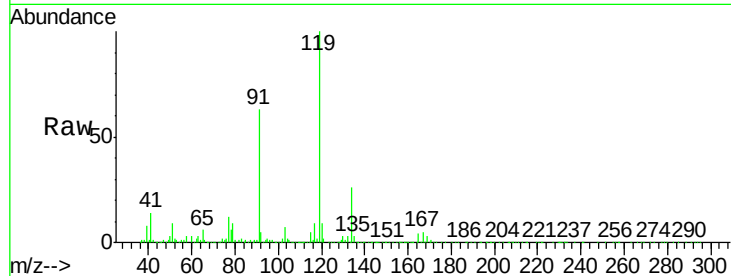




#83
 tert-Butylbenzene
 Concen: 21.220 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX014200.D
 Acq: 23 Dec 2019 14:26

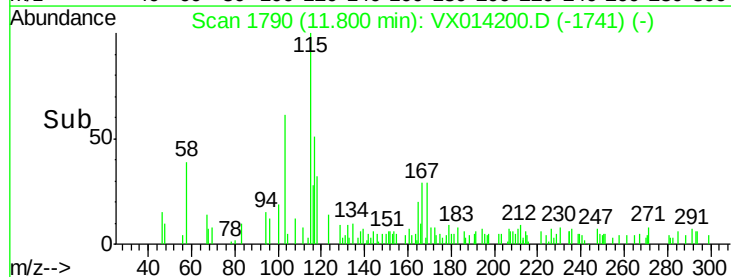
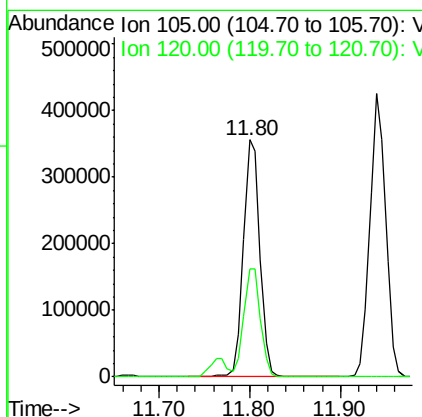
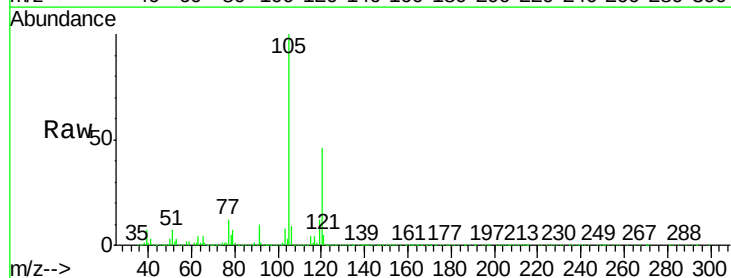
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1223WBSD01

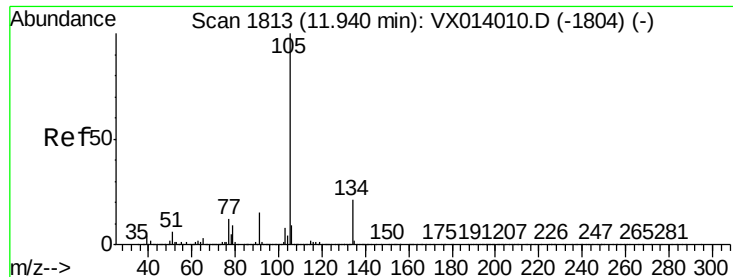
Tgt Ion:119 Resp: 425245
 Ion Ratio Lower Upper
 119 100
 91 57.1 28.5 85.6
 134 24.2 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.708 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX014200.D
 Acq: 23 Dec 2019 14:26

Tgt Ion:105 Resp: 447680
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 21.788 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

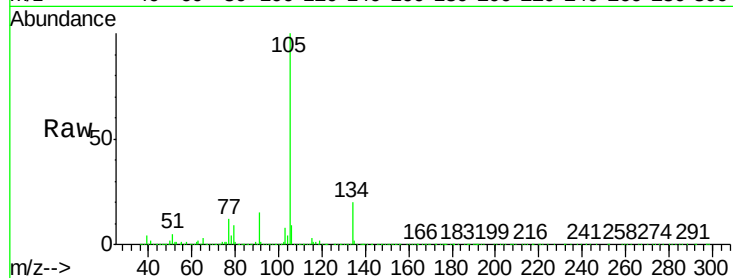
VX1223WBSD01

Tgt Ion:105 Resp: 515453

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

300000

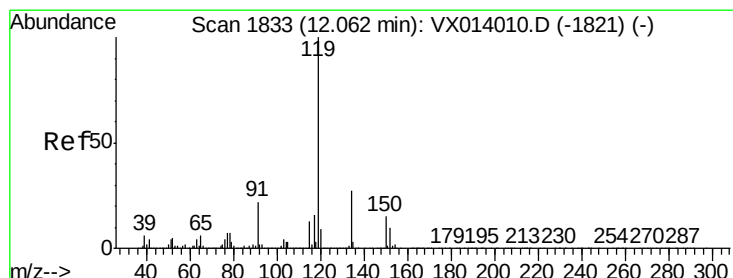
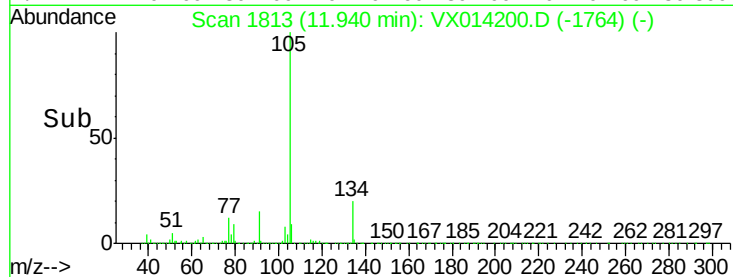
200000

100000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 21.575 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

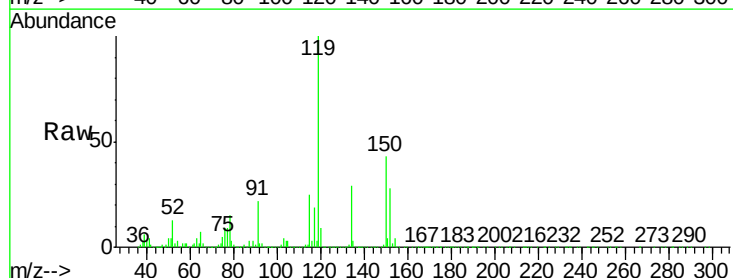
Tgt Ion:119 Resp: 466906

Ion Ratio Lower Upper

119 100

134 27.6 13.4 40.1

91 22.8 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

400000

300000

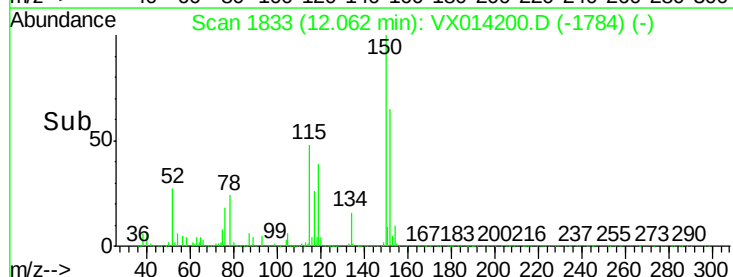
200000

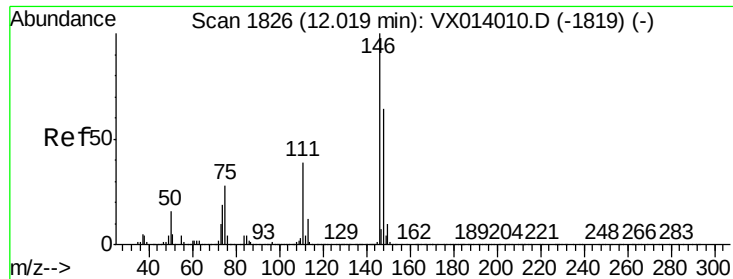
100000

0

Time-->

11.90 12.00 12.10

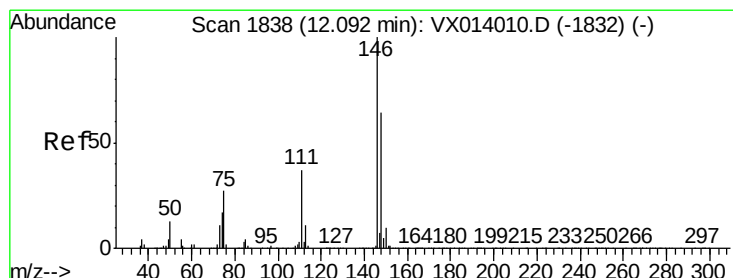
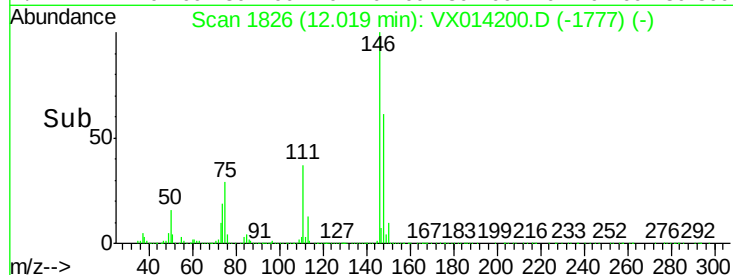
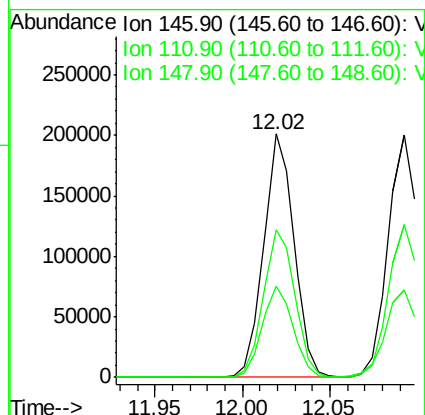
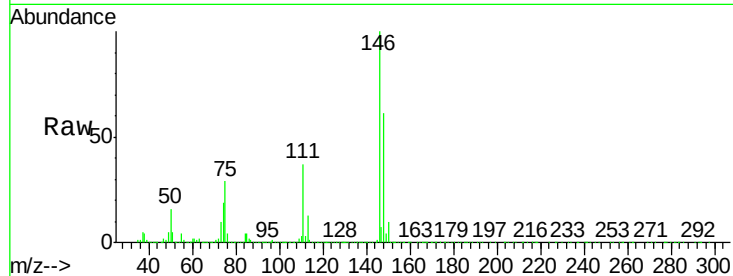




#87
 1,3-Dichlorobenzene
 Concen: 20.640 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014200.D
 Acq: 23 Dec 2019 14:26

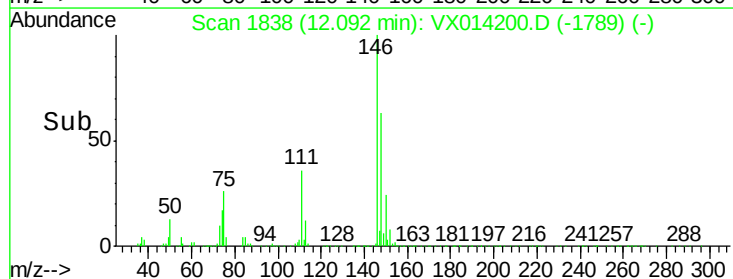
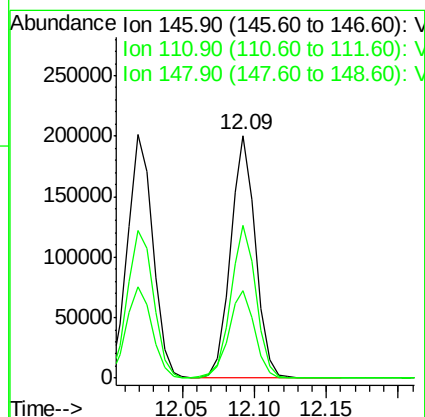
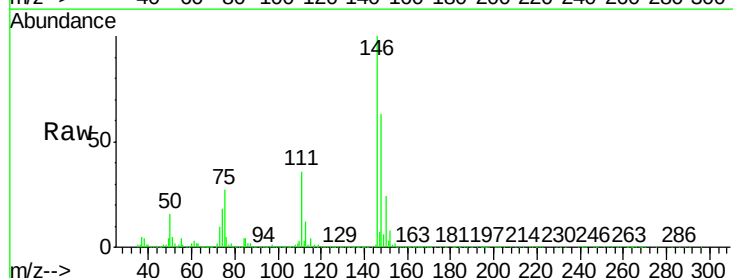
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1223WBSD01

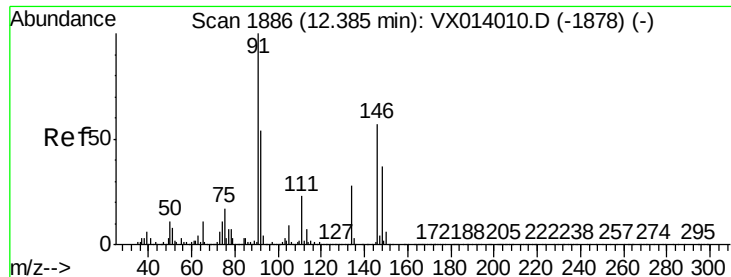
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	62.5	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 20.250 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014200.D
 Acq: 23 Dec 2019 14:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	63.5	31.9	95.9





#89

n-Butylbenzene

Concen: 21.276 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBSD01

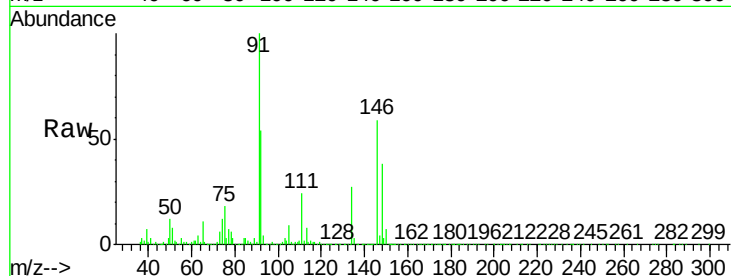
Tgt Ion: 91 Resp: 392874

Ion Ratio Lower Upper

91 100

92 54.8 27.2 81.6

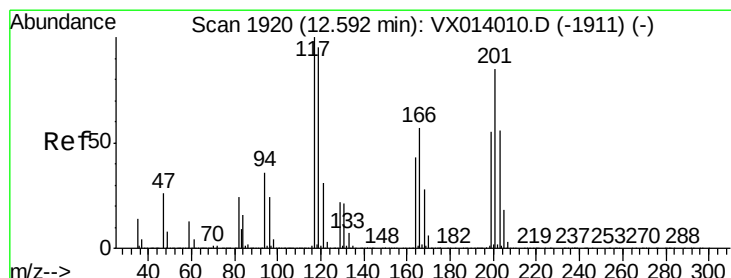
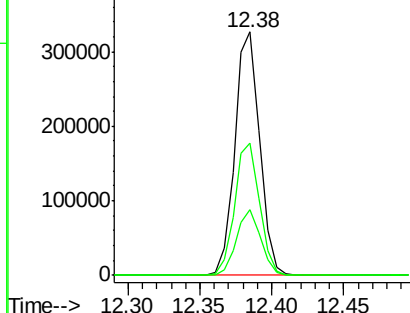
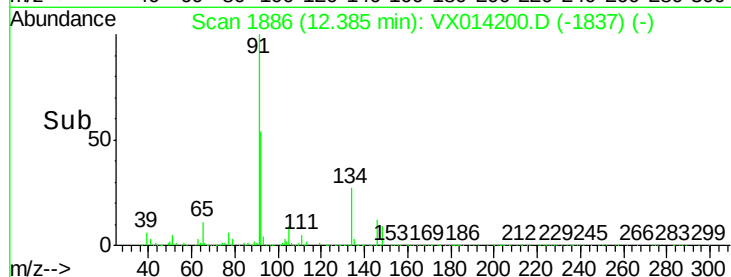
134 26.3 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VX014200.D (-1837) (-)

Ion 92.00 (91.70 to 92.70): VX014200.D (-1837) (-)

Ion 134.00 (133.70 to 134.70): VX014200.D (-1837) (-)



#90

Hexachloroethane

Concen: 20.192 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX014200.D

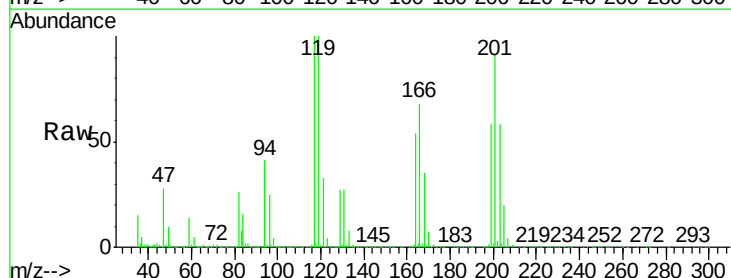
Acq: 23 Dec 2019 14:26

Tgt Ion: 117 Resp: 78489

Ion Ratio Lower Upper

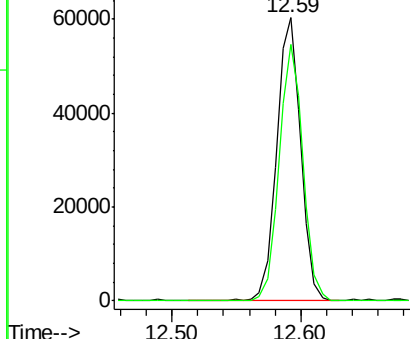
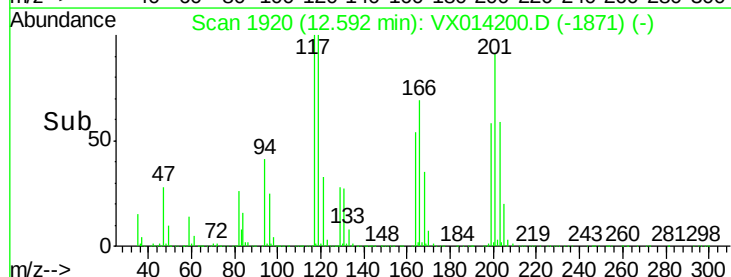
117 100

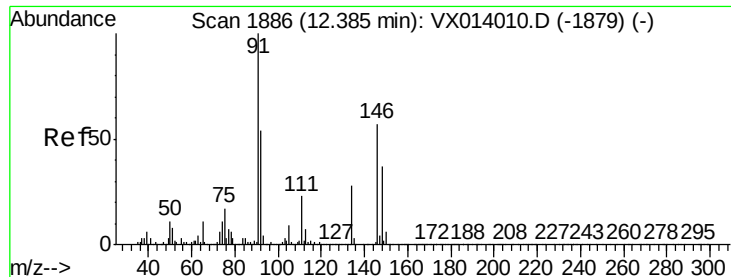
201 89.9 43.1 129.3



Abundance Ion 116.80 (116.50 to 117.50): VX014200.D (-1871) (-)

Ion 200.70 (200.40 to 201.40): VX014200.D (-1871) (-)





#91

1,2-Dichlorobenzene

Concen: 20.346 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

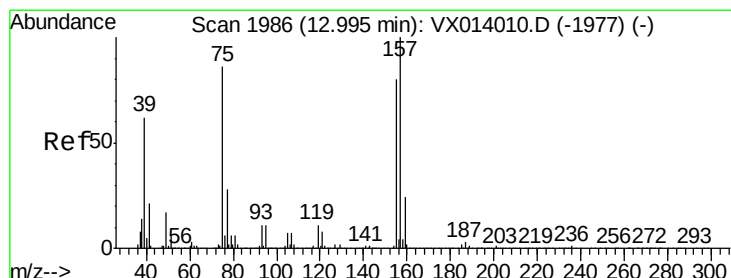
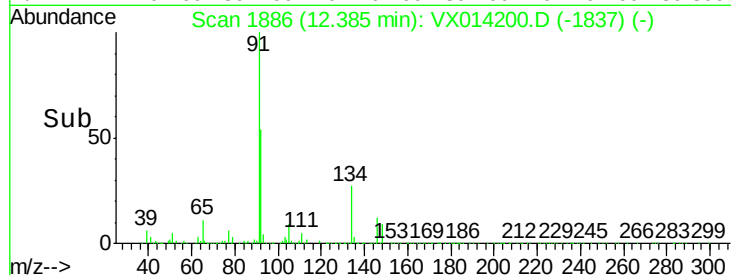
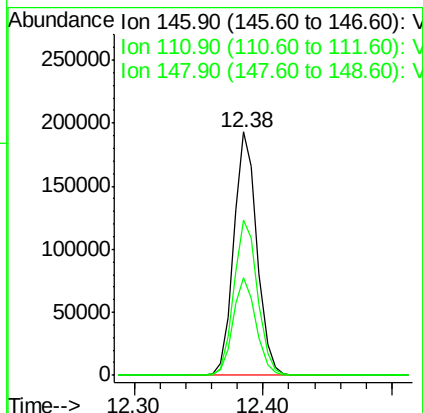
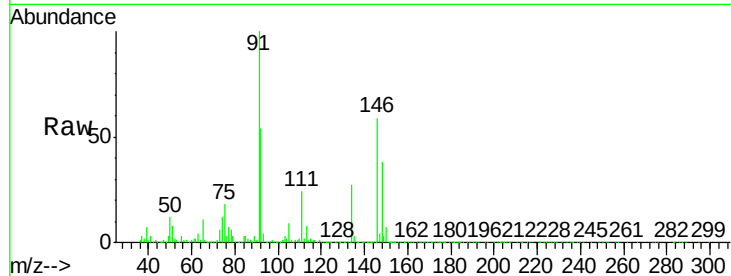
Instrument :

MSVOA_X

ClientSampleId :

VX1223WBSD01

Tgt Ion:	146	Resp:	241653
Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	65.2	32.1	96.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.542 ug/l

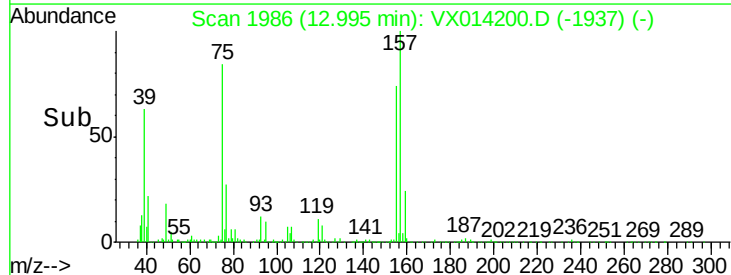
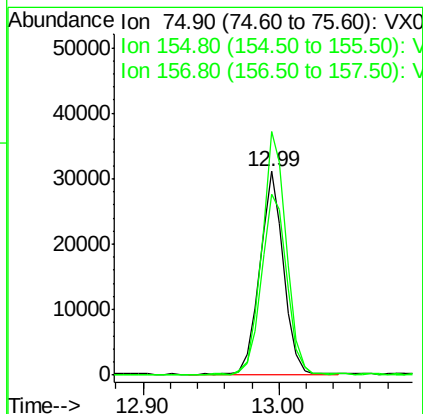
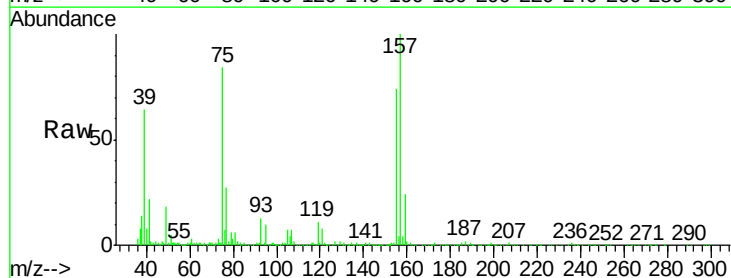
RT: 12.99 min Scan# 1986

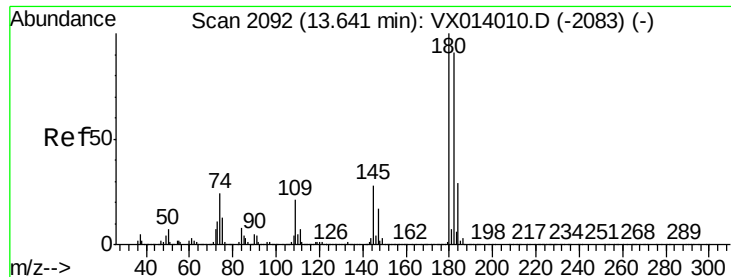
Delta R.T. 0.00 min

Lab File: VX014200.D

Acq: 23 Dec 2019 14:26

Tgt Ion:	75	Resp:	38562
Ion	Ratio	Lower	Upper
75	100		
155	95.2	46.9	140.6
157	122.3	60.8	182.4

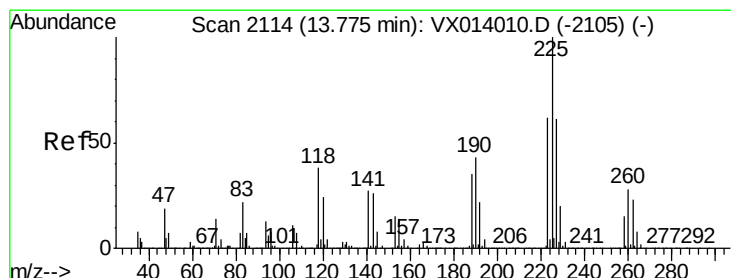
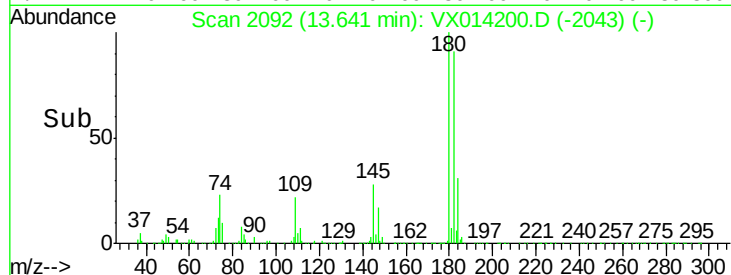
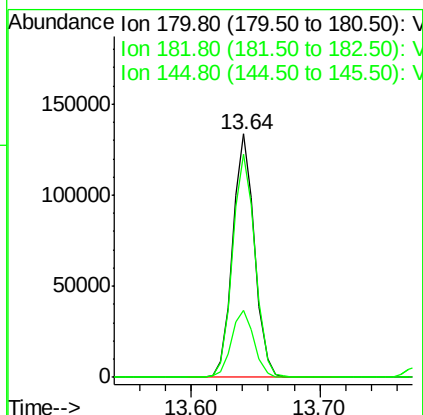
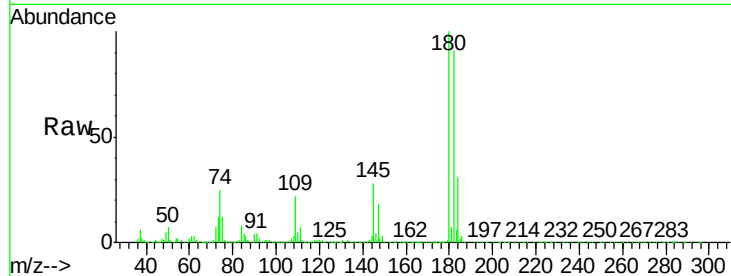




#93
 1,2,4-Trichlorobenzene
 Concen: 20.484 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014200.D
 Acq: 23 Dec 2019 14:26

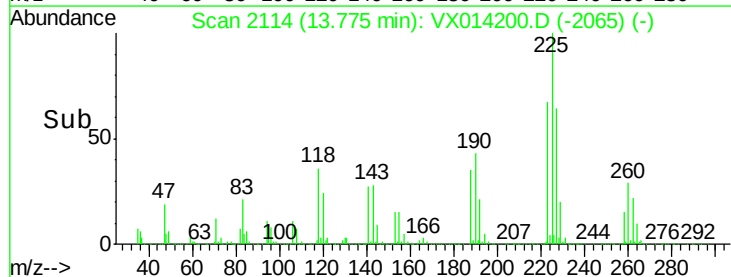
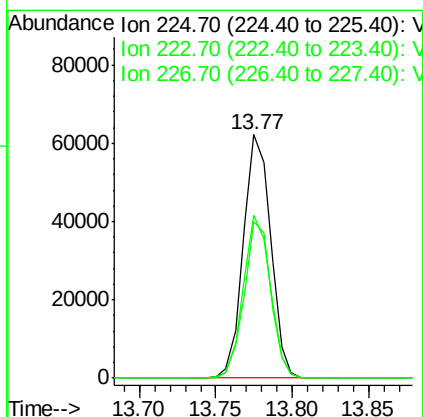
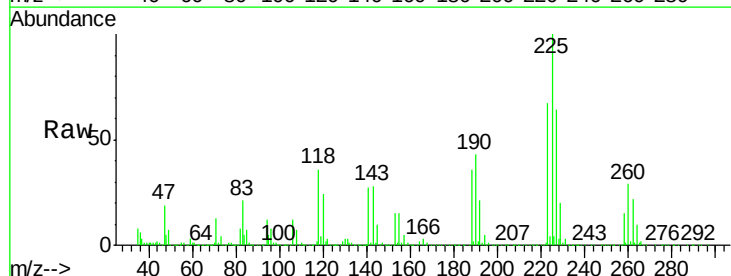
Instrument :
 MSVOA_X
 ClientSampled :
 VX1223WBSD01

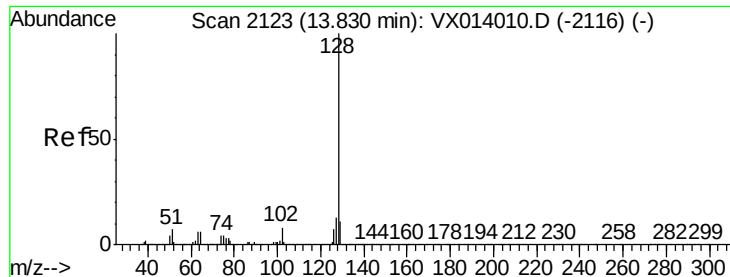
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.6	139.8
145	28.9	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 20.832 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014200.D
 Acq: 23 Dec 2019 14:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	30.9	92.5
227	63.5	30.9	92.7

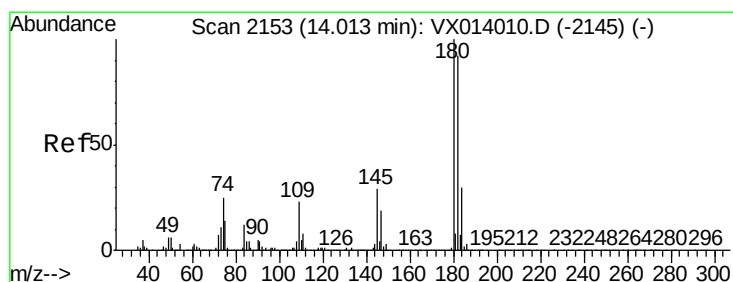
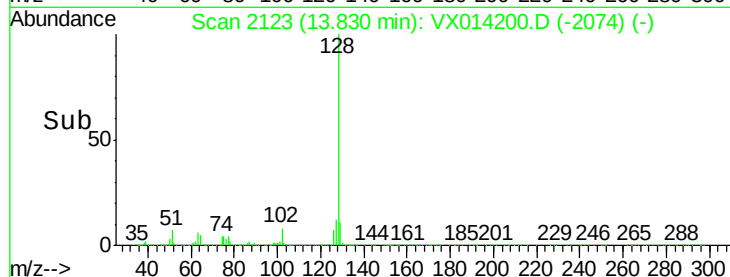
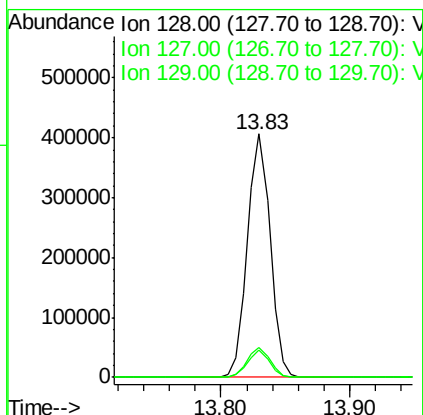
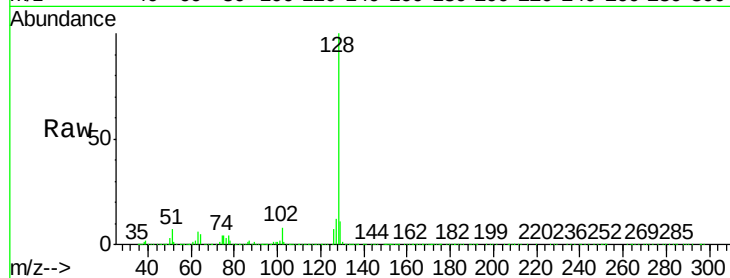




#95
Naphthalene
Concen: 21.772 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
VX1223WBSD01

Tgt Ion:128 Resp: 493811
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.859 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014200.D
Acq: 23 Dec 2019 14:26

Tgt Ion:180 Resp: 158955
Ion Ratio Lower Upper
180 100
182 99.0 46.8 140.3
145 30.7 14.8 44.4

