

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
 Data File : VX007963.D
 Acq On : 11 Mar 2019 11:44
 Operator : JC/SP
 Sample : VX0311WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS01

Quant Time: Mar 12 08:04:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	58097	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	314888	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	278170	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	112031	29.34	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.80%
60) 4-Bromofluorobenzene	11.13	95	134366	30.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.87%
63) Toluene-d8	8.71	98	378679	29.75	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	78495	22.759	ug/l 99
3) Chloromethane	1.33	50	81297	21.197	ug/l 96
4) Vinyl Chloride	1.41	62	80701	21.242	ug/l 99
5) Bromomethane	1.64	94	42189	22.275	ug/l 98
6) Chloroethane	1.73	64	47551	21.432	ug/l 93
7) Trichlorofluoromethane	1.93	101	103686	21.917	ug/l 96
8) Diethyl Ether	2.19	74	55743	22.880	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	84707	23.816	ug/l 97
10) 1,1-Dichloroethene	2.38	96	79894	23.699	ug/l 98
11) Methyl Iodide	2.51	142	126610	23.991	ug/l 94
12) Methyl Acetate	2.78	43	115273	21.620	ug/l 96
13) Acrolein	2.29	56	57736	92.303	ug/l 98
14) Acrylonitrile	3.15	53	255082	112.704	ug/l 99
15) Acetone	2.45	58	83051	101.637	ug/l 99
16) Carbon Disulfide	2.57	76	239638	22.657	ug/l 100
17) Allyl chloride	2.73	41	157664	22.812	ug/l 91
18) Methylene Chloride	2.86	84	87260	22.721	ug/l 95
19) trans-1,2-Dichloroethene	3.17	96	83304	23.354	ug/l 97
20) Diisopropyl ether	3.87	45	287993	22.777	ug/l 95
21) 1,1-Dichloroethane	3.70	63	158335	23.025	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	93326	22.682	ug/l 92
23) tert-Butyl Alcohol	3.06	59	103286	113.119	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	269509	23.252	ug/l 95
25) Chloroform	5.21	83	148732	22.915	ug/l 97
26) Cyclohexane	5.57	56	145709	22.930	ug/l # 91
29) 1,1-Dichloropropene	5.80	75	115373	23.108	ug/l 97
30) 2-Butanone	4.70	43	363625	107.982	ug/l 98
31) 2,2-Dichloropropane	4.58	77	111737	24.230	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	126448	23.421	ug/l 99
33) Carbon Tetrachloride	5.78	117	113161	23.631	ug/l 95
34) Benzene	6.14	78	348836	22.799	ug/l 98
35) Methacrylonitrile	5.06	41	72074	21.964	ug/l 96
36) 1,2-Dichloroethane	6.20	62	111993	22.498	ug/l 98
37) Trichloroethene	7.21	130	97036	23.407	ug/l 97
38) Methylcyclohexane	7.46	83	148026	23.319	ug/l 96
39) 1,2-Dichloropropane	7.51	63	90877	22.774	ug/l 98
40) Dibromomethane	7.66	93	58423	23.082	ug/l 93

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Instrument :
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 ClientSampleId :
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Quant Time: Mar 12 08:04:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	110328	23.061	ug/l	98
42) Vinyl Acetate	3.82	43	1265796	116.122	ug/l	97
44) Isopropyl Acetate	6.46	43	198688	22.200	ug/l	98
45) 1,4-Dioxane	7.75	88	42554	454.464	ug/l	92
46) Methyl methacrylate	7.77	41	105727	22.462	ug/l	91
47) n-amyl Acetate	10.90	43	170757	22.143	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	122042	23.553	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	136782	23.313	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	88163	22.851	ug/l	96
51) Ethyl methacrylate	9.18	69	133032	22.737	ug/l	94
52) 1,3-Dichloropropane	9.37	76	146157	22.927	ug/l	99
53) Dibromochloromethane	9.58	129	93610	23.588	ug/l	99
54) 1,2-Dibromoethane	9.67	107	92142	22.844	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	317104	116.526	ug/l	99
56) Bromoform	10.85	173	74418	23.509	ug/l #	96
58) 4-Methyl-2-Pentanone	8.65	43	653672	114.136	ug/l	99
59) 2-Hexanone	9.49	43	504156	111.518	ug/l	99
61) Tetrachloroethene	9.34	164	97438	24.013	ug/l	97
62) Toluene	8.78	91	372448	22.930	ug/l	100
64) Chlorobenzene	10.13	112	237129	22.906	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	88330	23.831	ug/l	99
66) Ethyl Benzene	10.25	91	403079	23.103	ug/l	97
67) m/p-Xylenes	10.36	106	311457	46.556	ug/l	96
68) o-Xylene	10.69	106	150345	23.144	ug/l	98
69) Styrene	10.71	104	249217	23.283	ug/l	99
70) Isopropylbenzene	11.02	105	411682	23.717	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	128380	22.393	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	151593	28.053	ug/l	91
73) Bromobenzene	11.26	156	108695	23.553	ug/l	98
74) n-propylbenzene	11.36	91	454774	23.226	ug/l	100
75) 2-Chlorotoluene	11.42	91	272218	23.195	ug/l	96
76) 1,3,5-Trimethylbenzene	11.51	105	337063	23.430	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	39212	23.485	ug/l	85
78) 4-Chlorotoluene	11.51	91	310582	23.406	ug/l	96
79) tert-butylbenzene	12.06	119	365770	23.693	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	343329	23.515	ug/l	97
81) sec-Butylbenzene	11.94	105	404173	23.373	ug/l	99
82) p-Isopropyltoluene	12.06	119	365770	23.693	ug/l	97
83) 1,3-Dichlorobenzene	12.02	146	192773	23.462	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	192187	23.379	ug/l	99
85) n-Butylbenzene	12.39	91	306855	23.242	ug/l	99
86) Hexachloroethane	12.60	117	59974	23.843	ug/l	82
87) 1,2-Dichlorobenzene	12.39	146	189242	23.306	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	26875	22.950	ug/l	100
89) 1,2,4-Trichlorobenzene	13.65	180	136638	23.414	ug/l	100
90) Hexachlorobutadiene	13.78	225	74946	23.286	ug/l	99
91) Naphthalene	13.83	128	389566	23.288	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	134297	23.153	ug/l	99

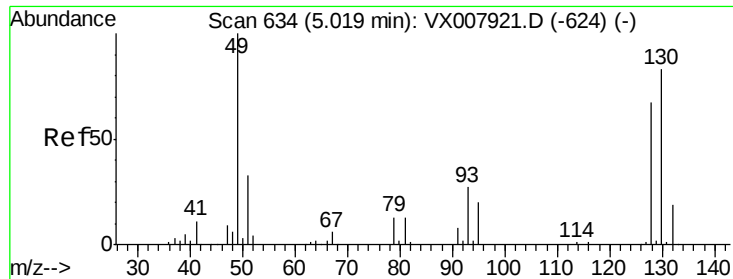
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
Data File : VX007963.D
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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0311WBS01

Quant Time: Mar 12 08:04:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 08 12:01:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS01

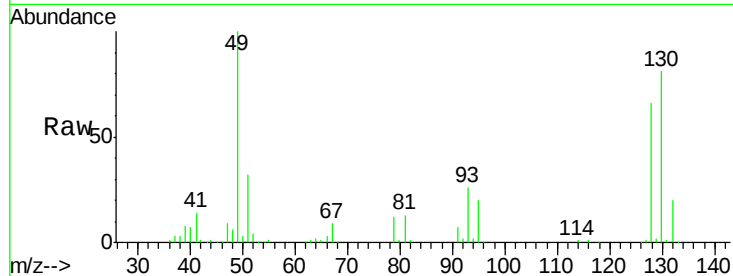
Tot Ion:128 Resp: 58097

Ion Ratio Lower Upper

128 100

49 152.6 0.0 350.8

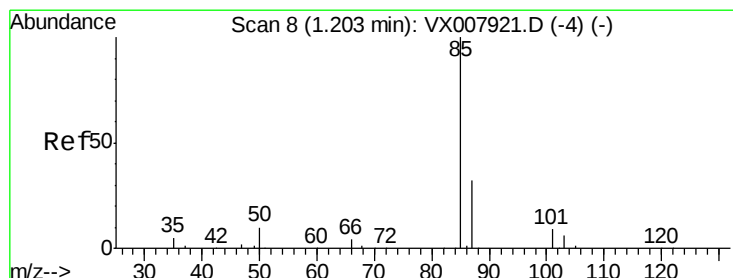
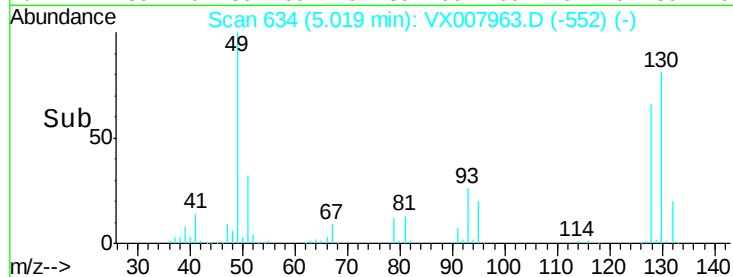
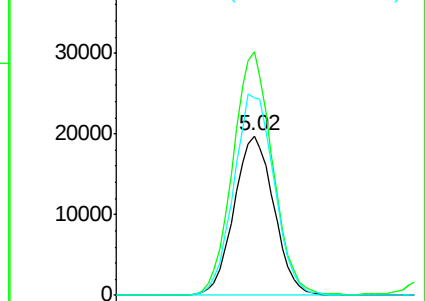
130 128.7 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 22.759 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX007963.D

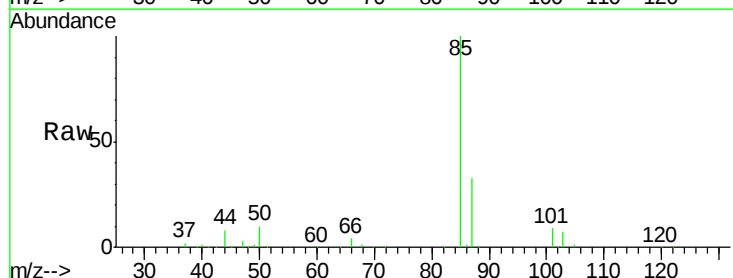
Acq: 11 Mar 2019 11:44

Tgt Ion: 85 Resp: 78495

Ion Ratio Lower Upper

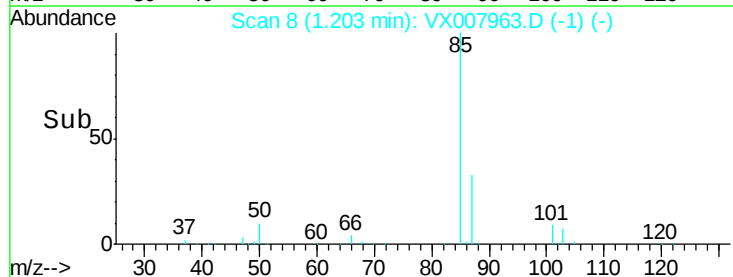
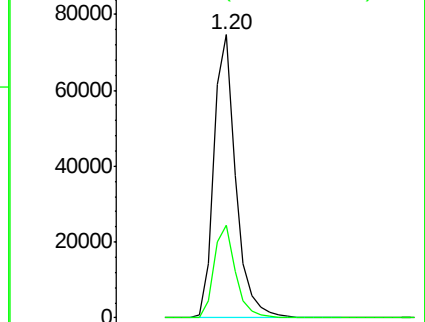
85 100

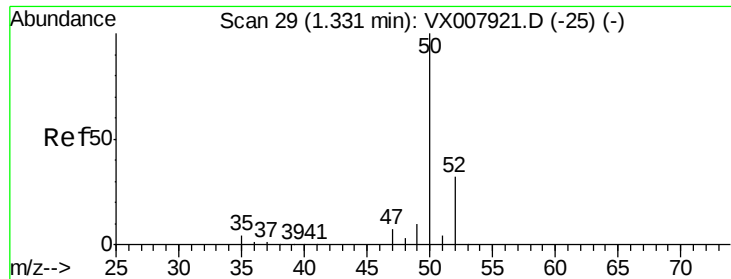
87 32.6 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

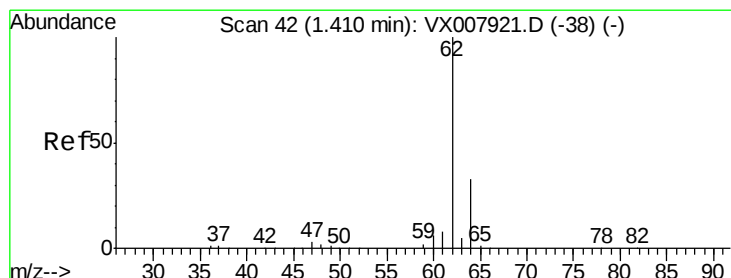
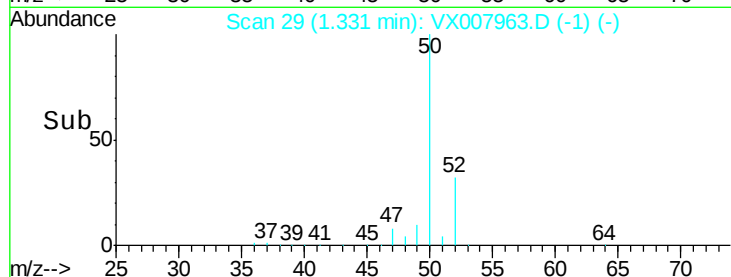
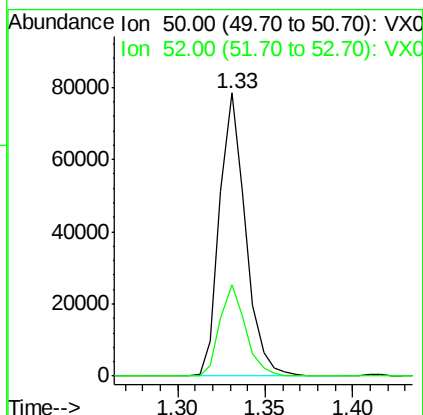
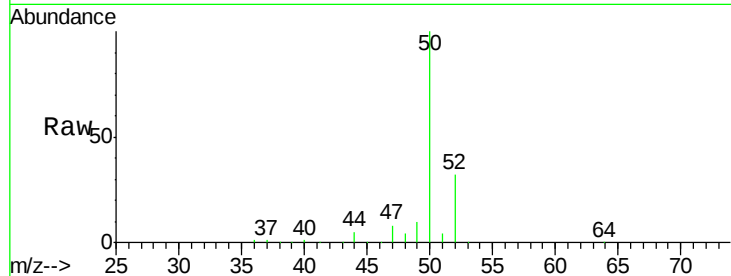




#3
Chloromethane
Concen: 21.197 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

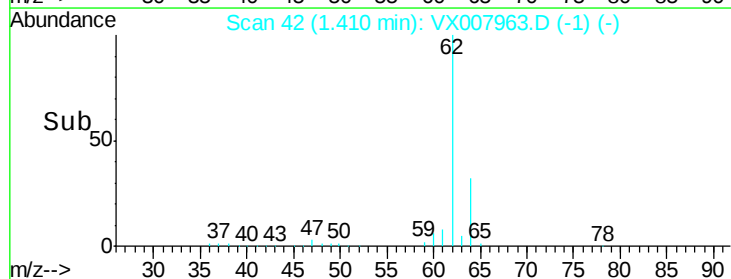
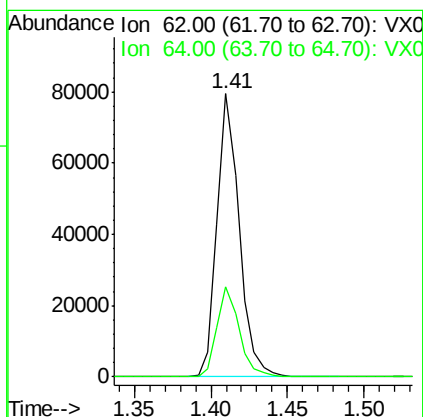
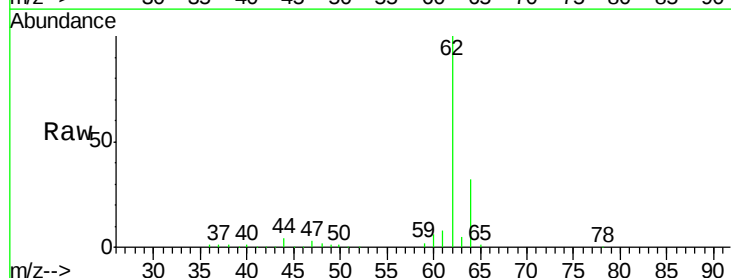
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

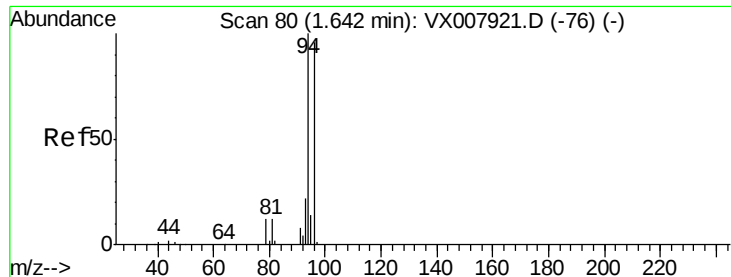
Tot Ion: 50 Resp: 81297
Ion Ratio Lower Upper
50 100
52 32.3 27.5 41.3



#4
Vinyl Chloride
Concen: 21.242 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion: 62 Resp: 80701
Ion Ratio Lower Upper
62 100
64 31.8 25.9 38.9





#5

Bromomethane

Concen: 22.275 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

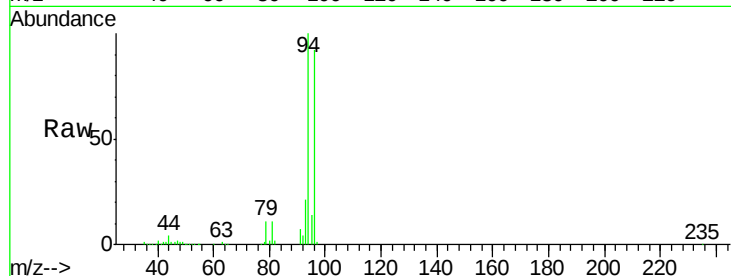
VX0311WBS01

Tot Ion: 94 Resp: 42189

Ion Ratio Lower Upper

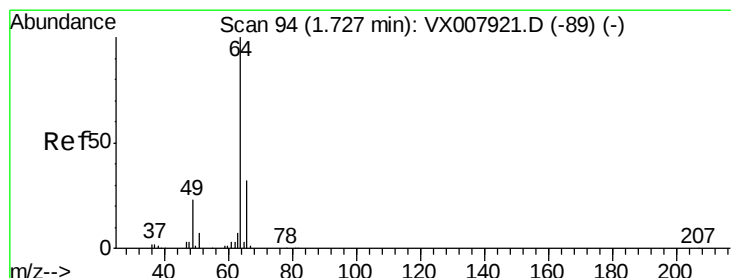
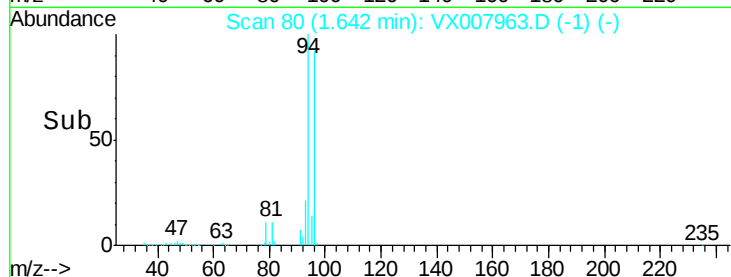
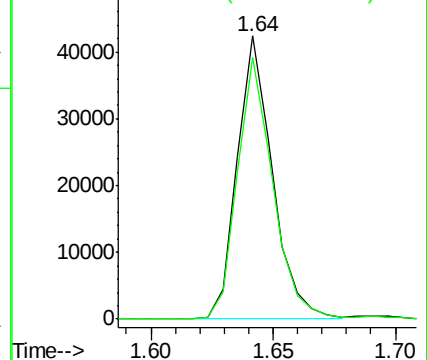
94 100

96 92.5 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 21.432 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.00 min

Lab File: VX007963.D

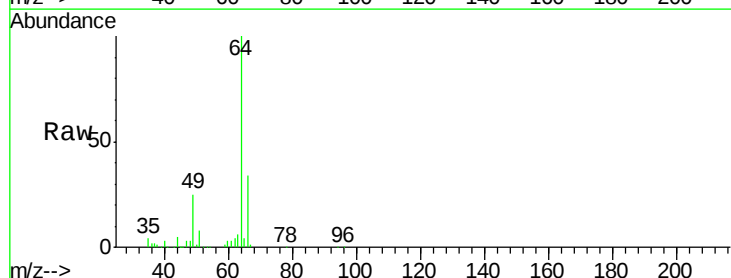
Acq: 11 Mar 2019 11:44

Tgt Ion: 64 Resp: 47551

Ion Ratio Lower Upper

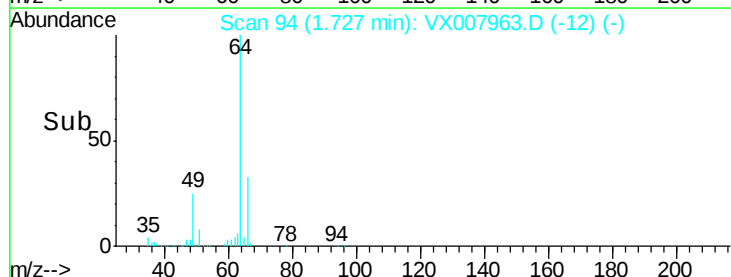
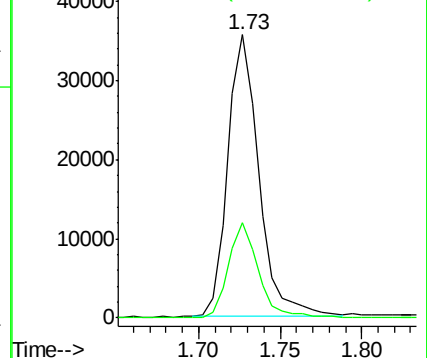
64 100

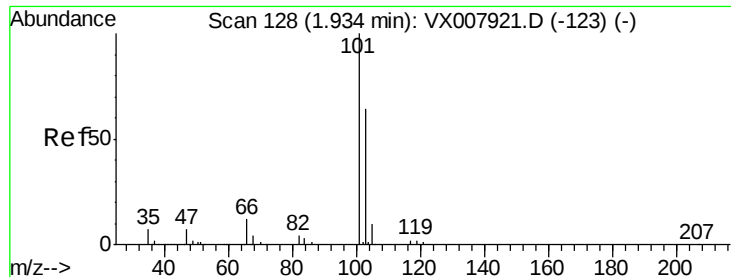
66 33.5 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

Trichlorofluoromethane

Concen: 21.917 ug/l

RT: 1.93 min Scan# 128

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

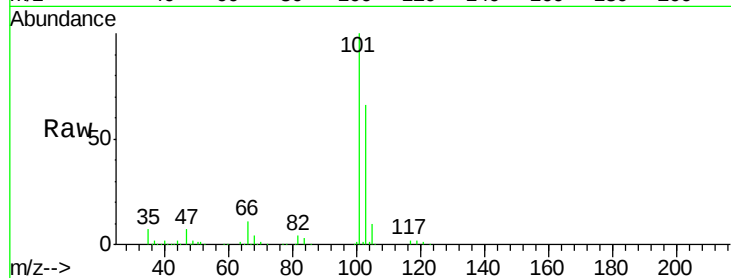
VX0311WBS01

Tot Ion:101 Resp: 103686

Ion Ratio Lower Upper

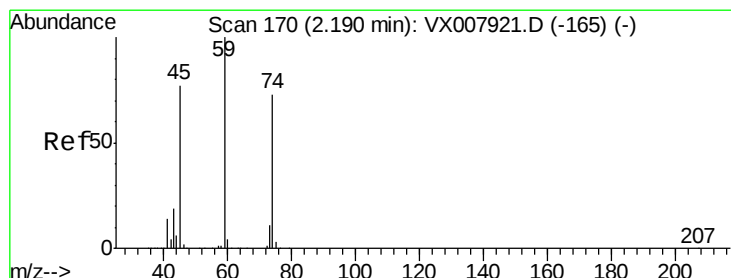
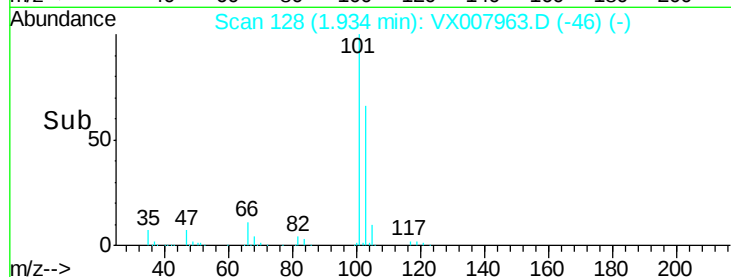
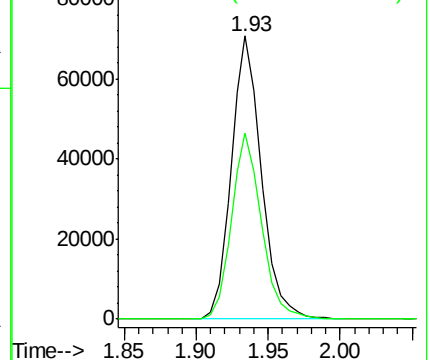
101 100

103 65.9 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 22.880 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX007963.D

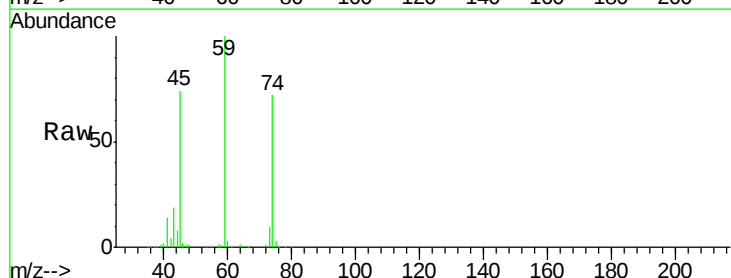
Acq: 11 Mar 2019 11:44

Tgt Ion: 74 Resp: 55743

Ion Ratio Lower Upper

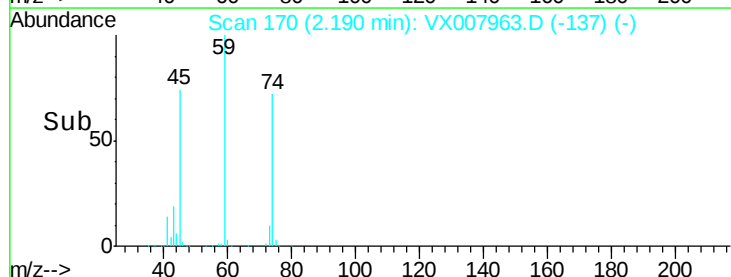
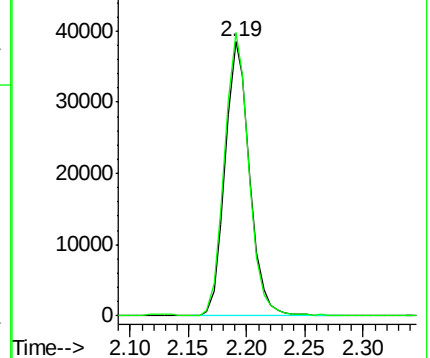
74 100

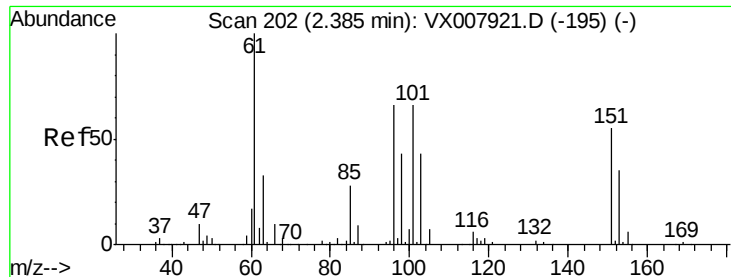
45 102.4 18.6 167.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.816 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS01

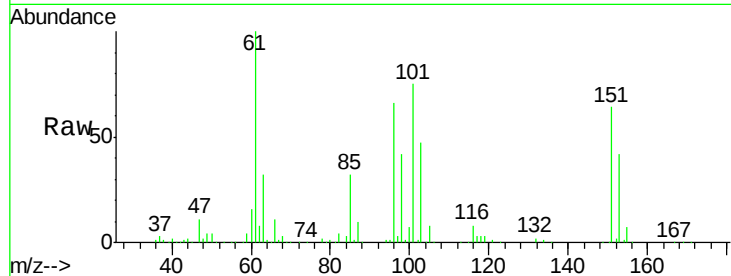
Tot Ion:101 Resp: 84707

Ion Ratio Lower Upper

101 100

85 42.2 0.0 86.8

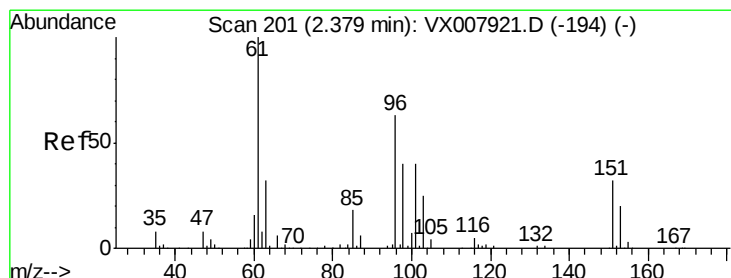
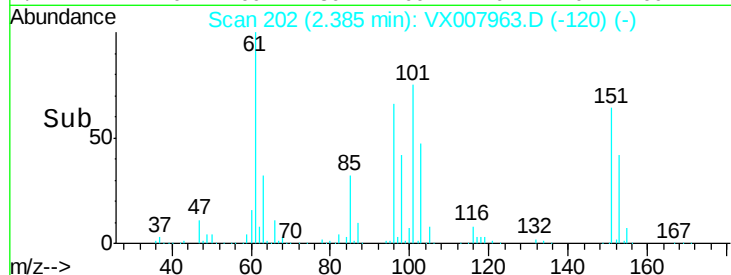
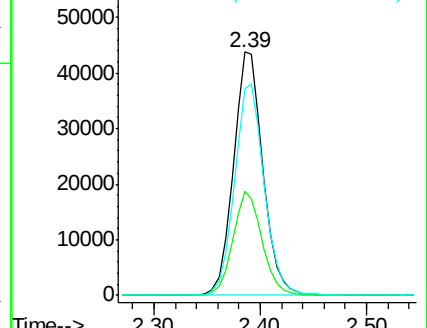
151 87.4 0.0 169.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 23.699 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

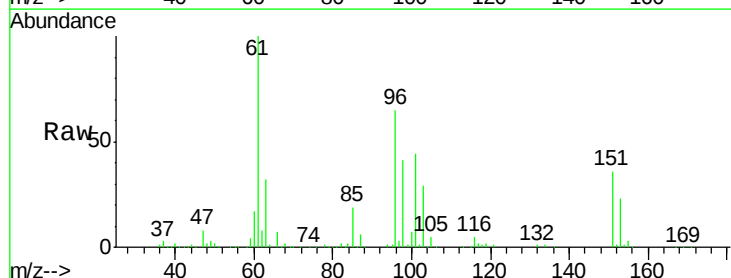
Tgt Ion: 96 Resp: 79894

Ion Ratio Lower Upper

96 100

61 153.7 120.2 180.2

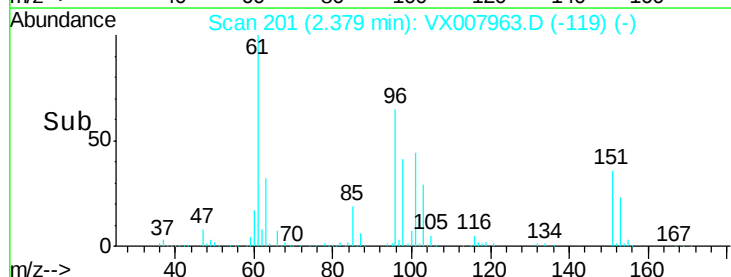
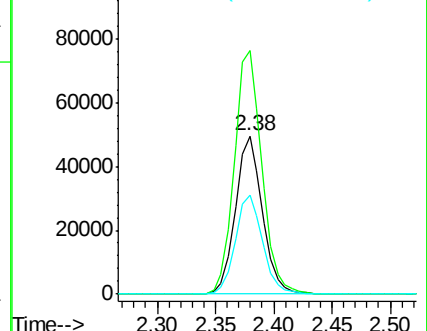
98 62.4 49.0 73.4

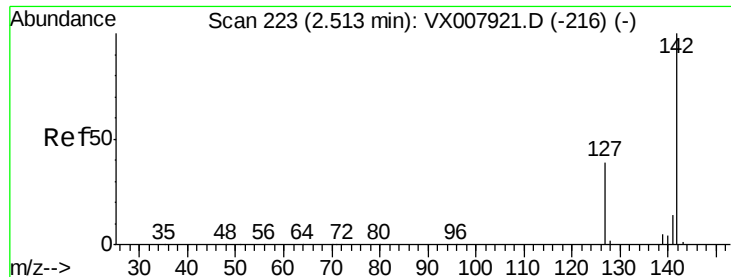


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

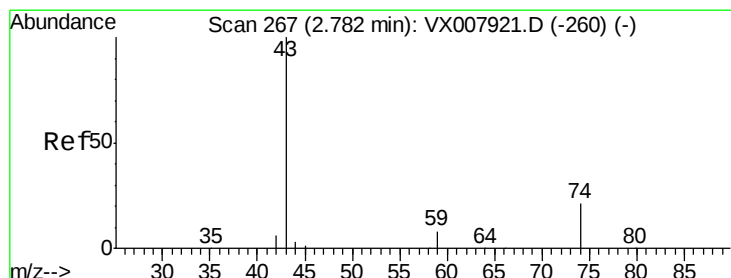
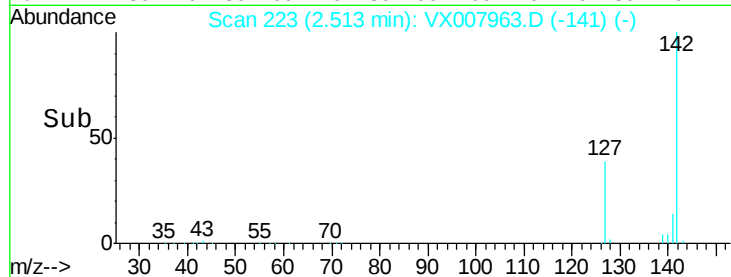
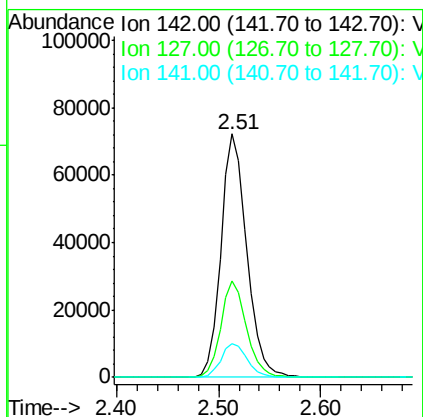
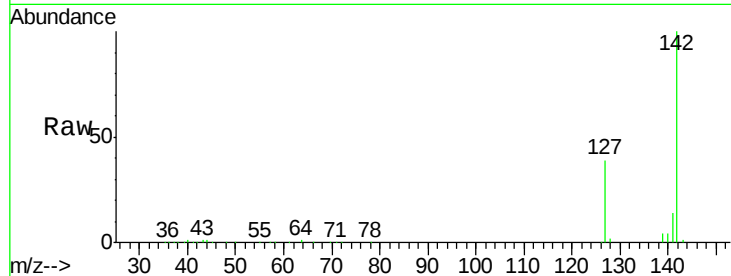




#11
Methyl Iodide
Concen: 23.991 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

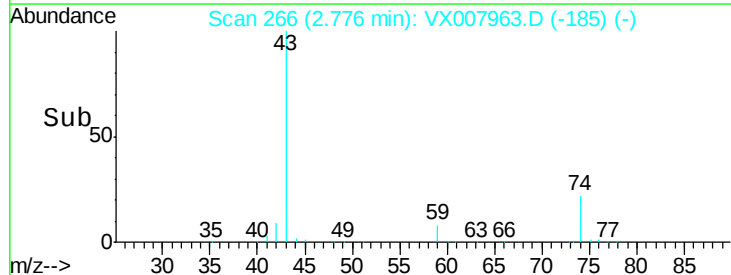
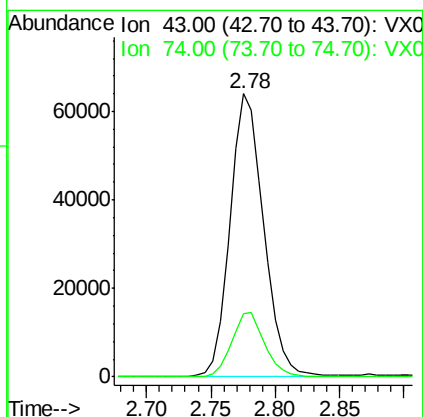
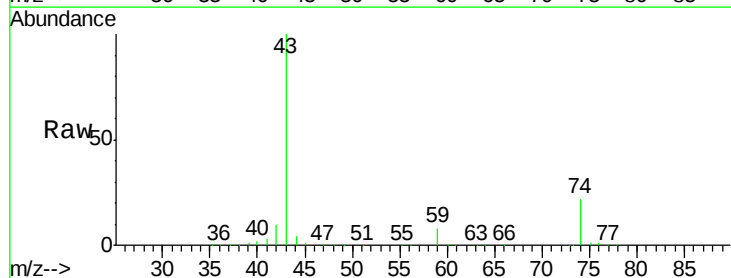
Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

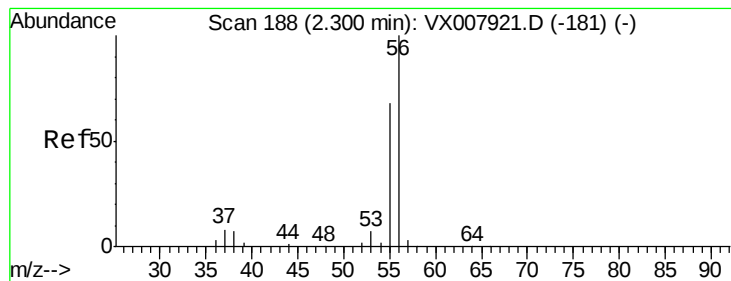
Tot Ion:142 Resp: 126610
Ion Ratio Lower Upper
142 100
127 39.5 22.1 66.5
141 13.7 7.4 22.3



#12
Methyl Acetate
Concen: 21.620 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion: 43 Resp: 115273
Ion Ratio Lower Upper
43 100
74 22.0 19.4 29.0





#13

Acrolein

Concen: 92.303 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

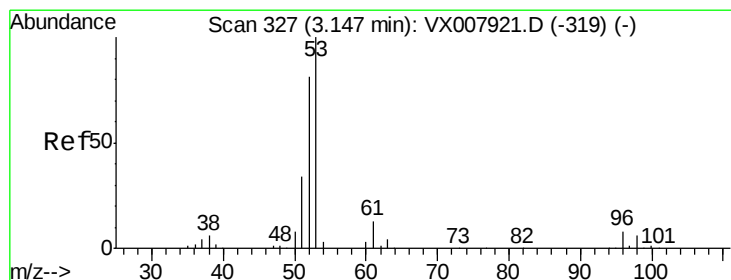
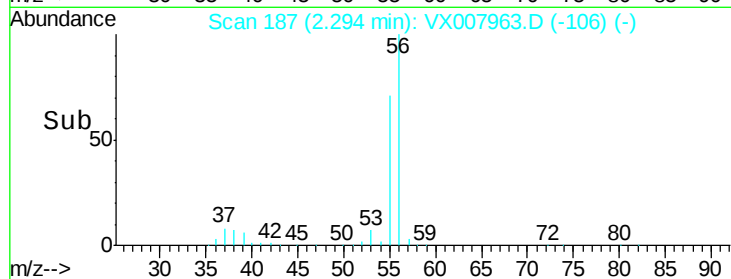
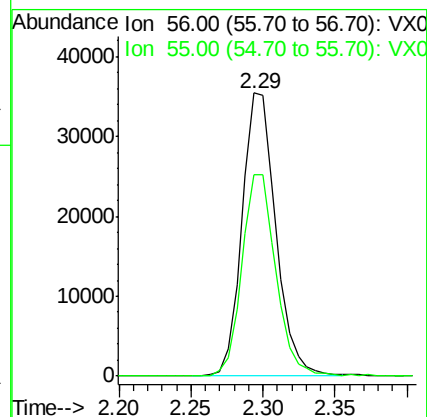
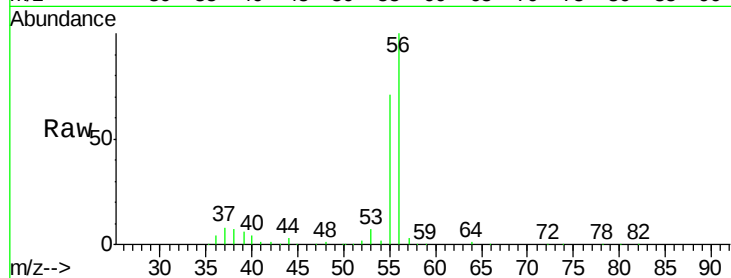
VX0311WBS01

Tot Ion: 56 Resp: 57736

Ion Ratio Lower Upper

56 100

55 71.7 58.6 87.8



#14

Acrylonitrile

Concen: 112.704 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

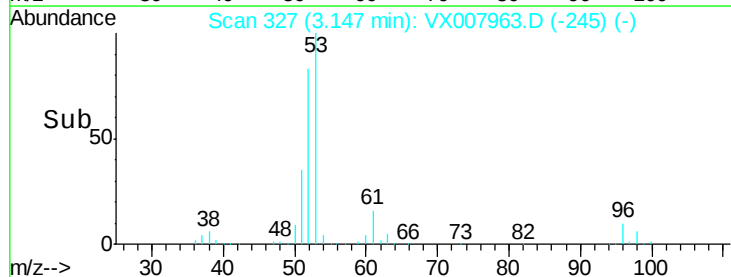
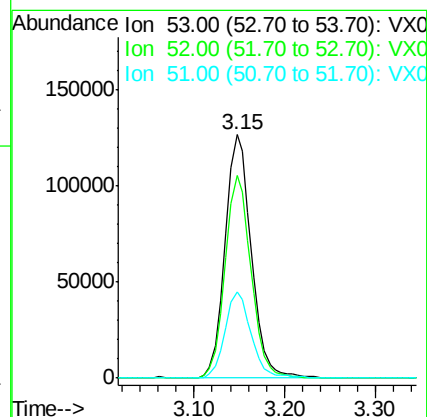
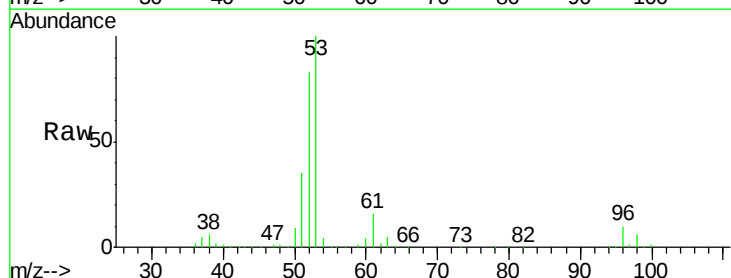
Tgt Ion: 53 Resp: 255082

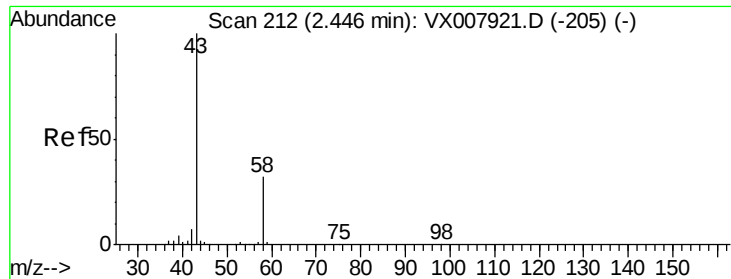
Ion Ratio Lower Upper

53 100

52 82.2 41.3 124.1

51 35.4 17.5 52.6





#15

Acetone

Concen: 101.637 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

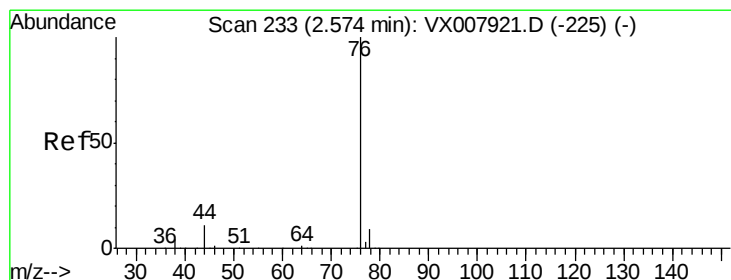
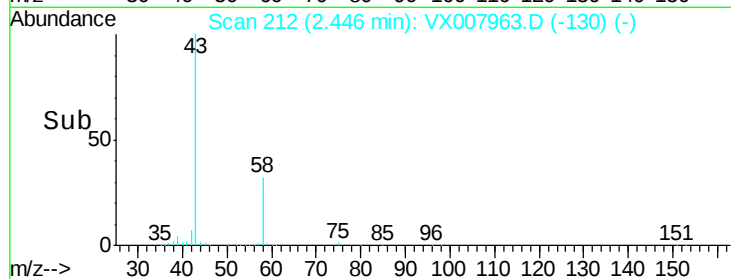
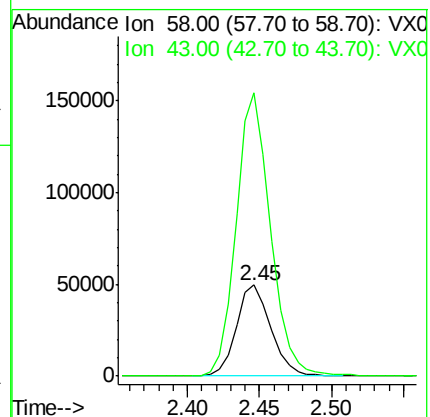
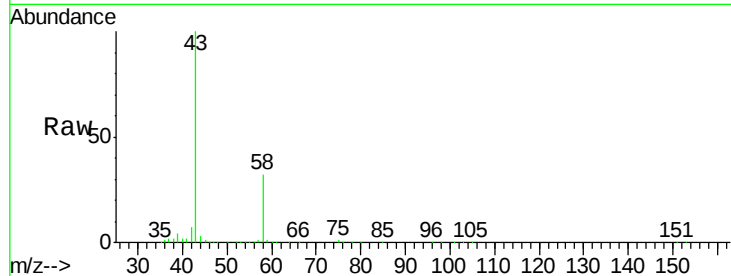
VX0311WBS01

Tot Ion: 58 Resp: 83051

Ion Ratio Lower Upper

58 100

43 310.9 249.8 374.6



#16

Carbon Disulfide

Concen: 22.657 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007963.D

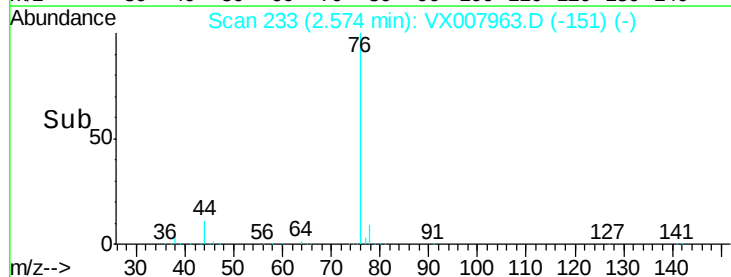
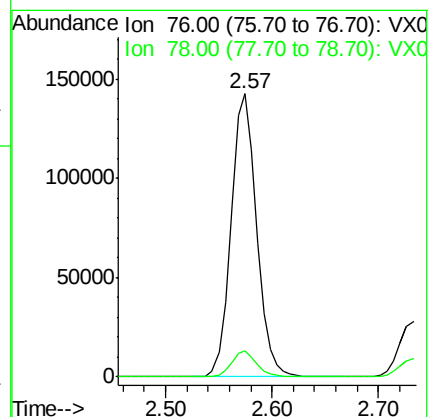
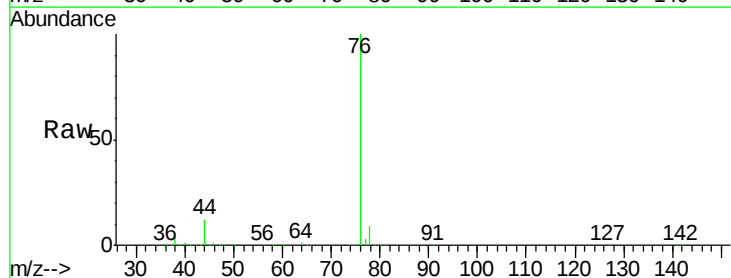
Acq: 11 Mar 2019 11:44

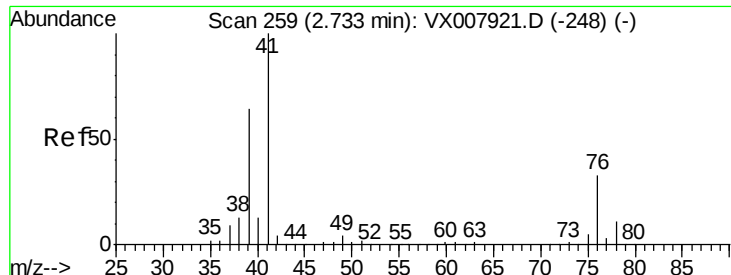
Tgt Ion: 76 Resp: 239638

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

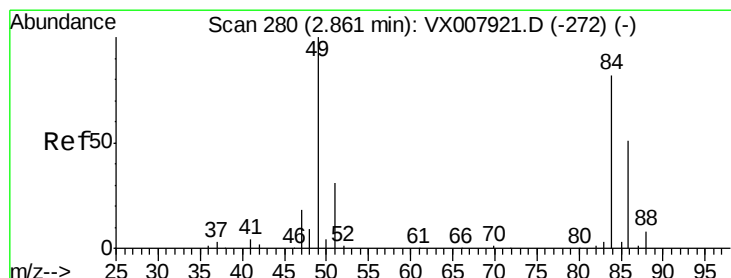
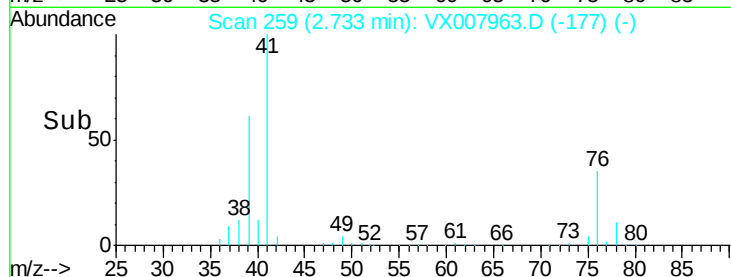
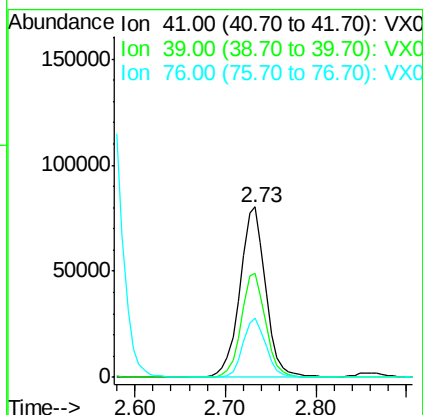
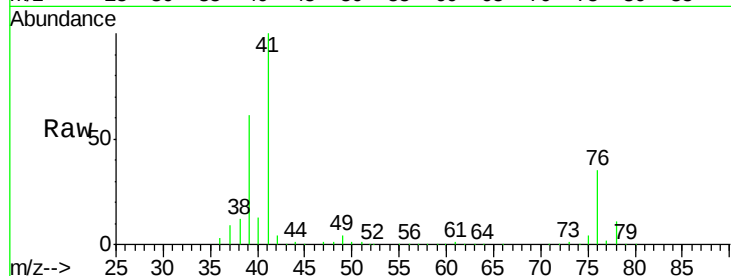




#17
Allvl chloride
Concen: 22.812 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

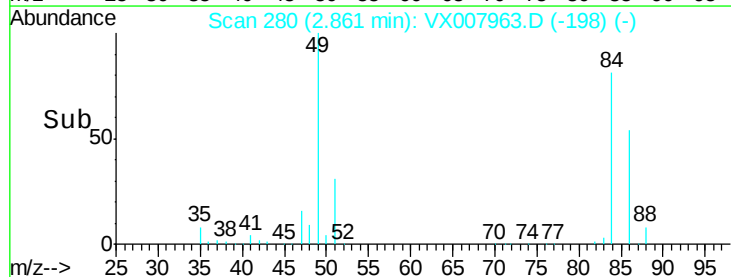
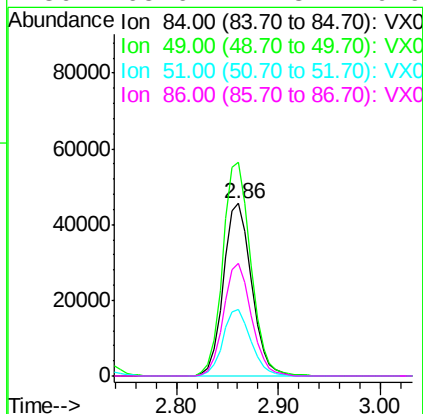
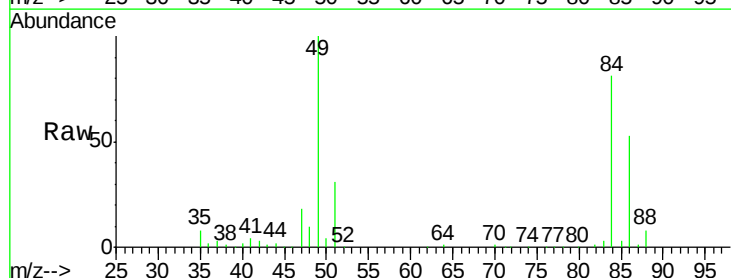
Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

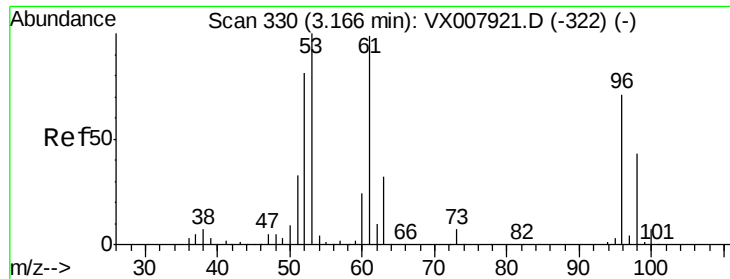
Tot Ion: 41 Resp: 157664
Ion Ratio Lower Upper
41 100
39 61.3 35.8 107.4
76 34.4 18.3 54.9



#18
Methylene Chloride
Concen: 22.721 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion: 84 Resp: 87260
Ion Ratio Lower Upper
84 100
49 123.7 96.1 144.1
51 38.2 29.1 43.7
86 65.6 47.3 70.9

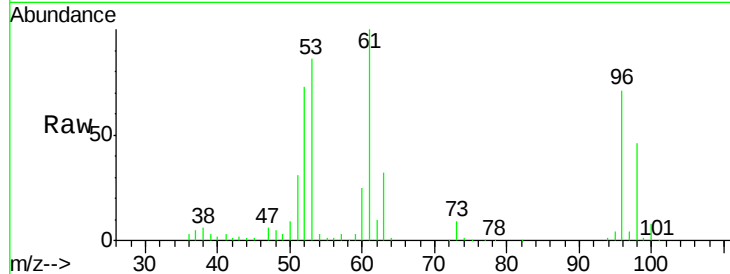




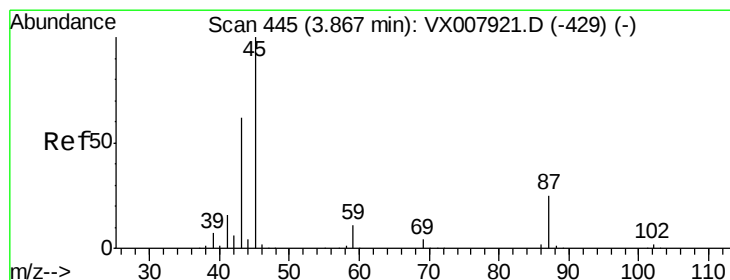
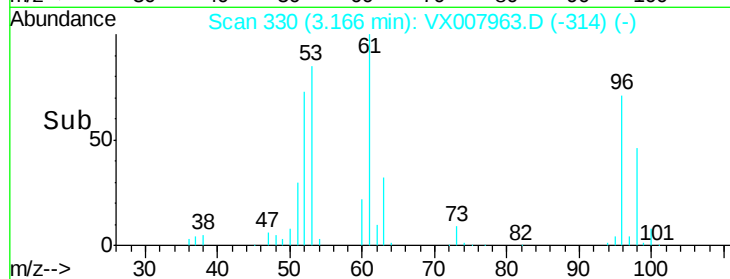
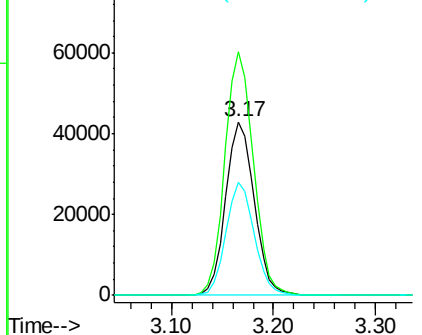
#19
trans-1,2-Dichloroethene
Concen: 23.354 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tot Ion: 96 Resp: 83304
Ion Ratio Lower Upper
96 100
61 140.5 109.9 164.9
98 64.9 50.4 75.6

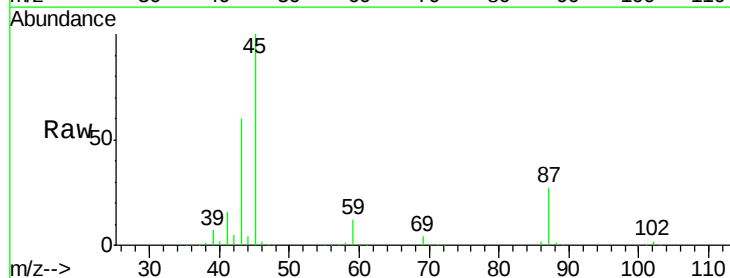


Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

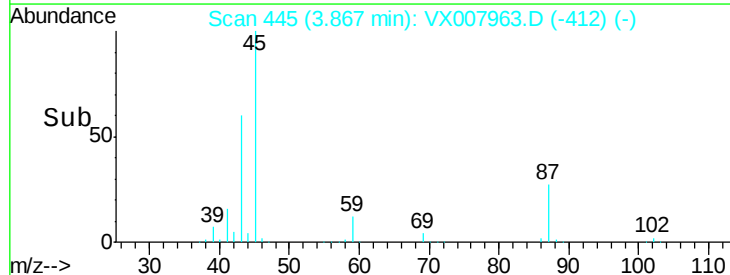
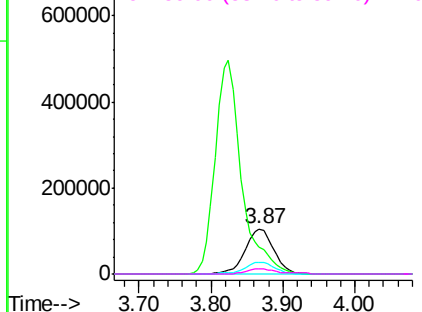


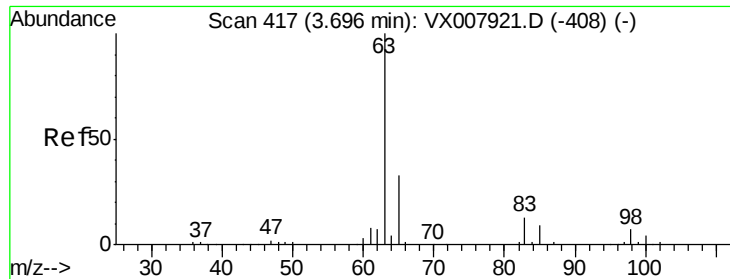
#20
Diisopropyl ether
Concen: 22.777 ug/l
RT: 3.87 min Scan# 445
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion: 45 Resp: 287993
Ion Ratio Lower Upper
45 100
43 59.2 50.6 76.0
87 26.7 24.5 36.7
59 11.8 10.2 15.2



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





#21

1,1-Dichloroethane

Concen: 23.025 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS01

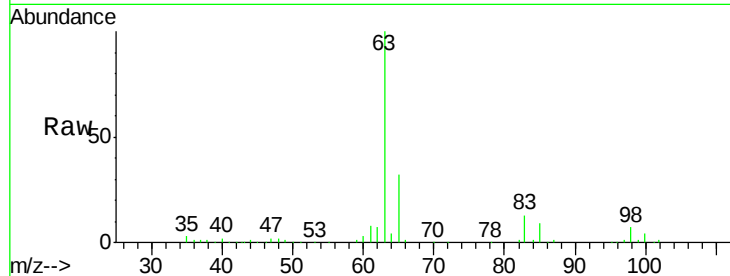
Tot Ion: 63 Resp: 158335

Ion Ratio Lower Upper

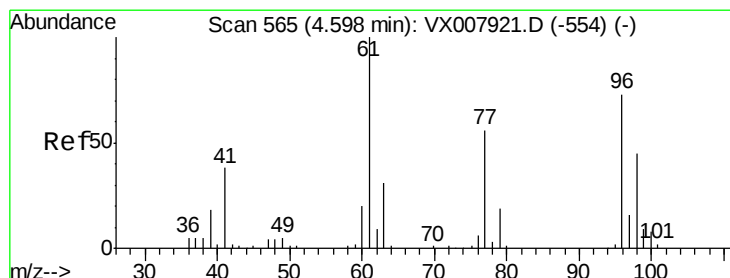
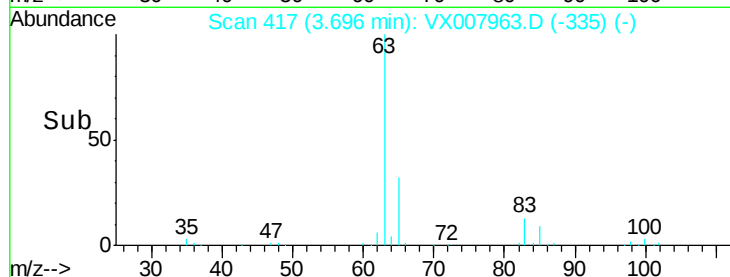
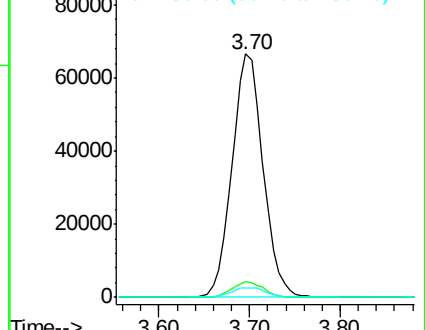
63 100

98 6.7 3.8 11.4

100 3.9 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 22.682 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

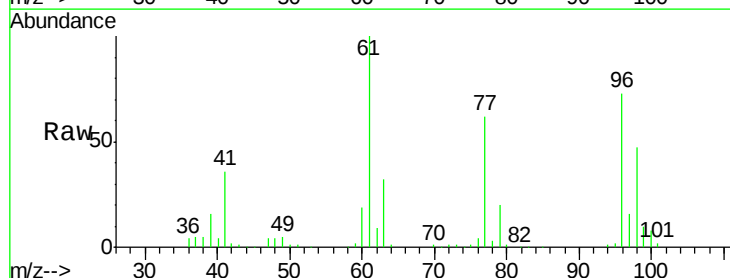
Tgt Ion: 96 Resp: 93326

Ion Ratio Lower Upper

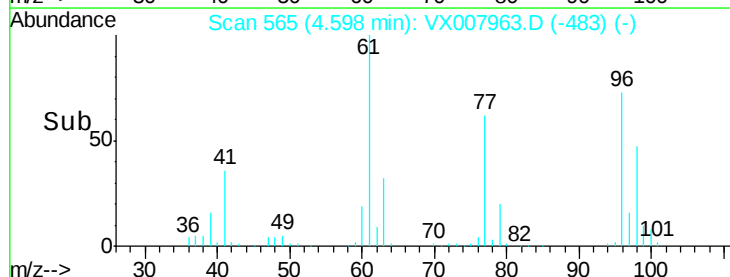
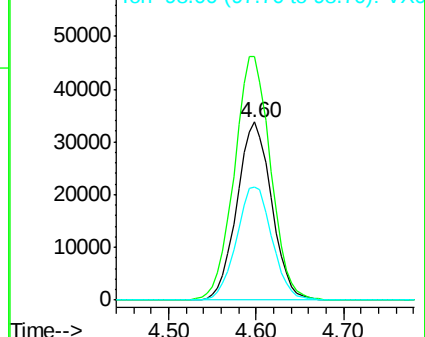
96 100

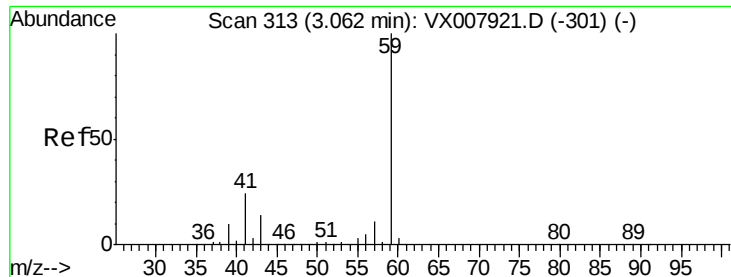
61 143.2 103.5 155.3

98 65.0 52.1 78.1



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



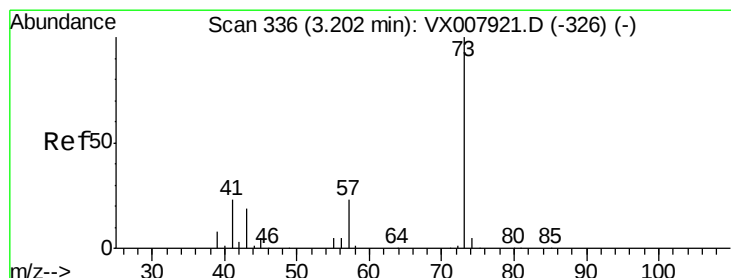
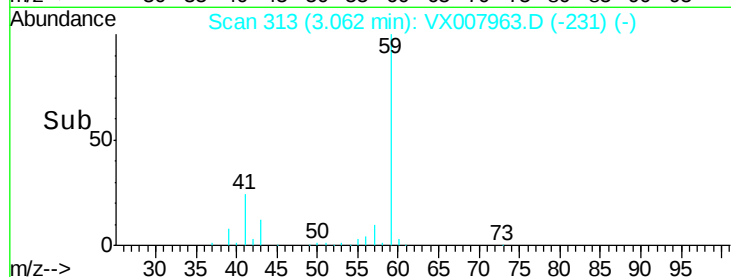
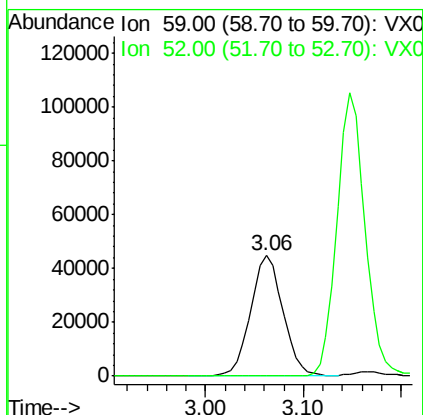
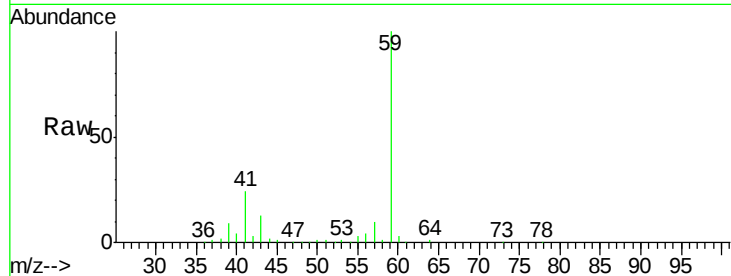


#23

tert-Butyl Alcohol
 Concen: 113.119 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS01

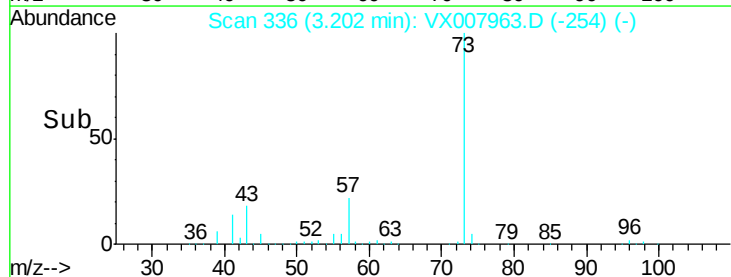
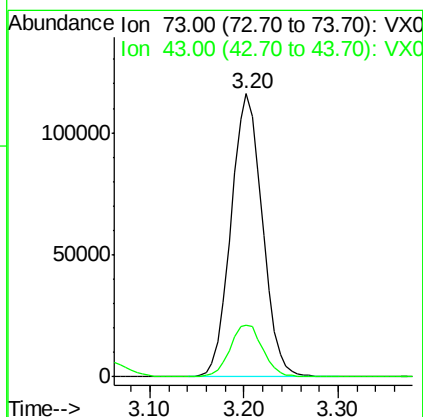
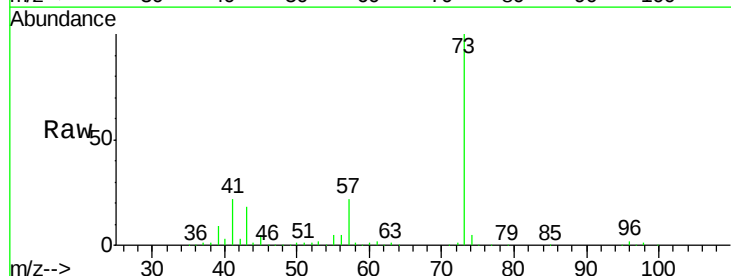
Tot Ion: 59 Resp: 103286
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.2 0.2#

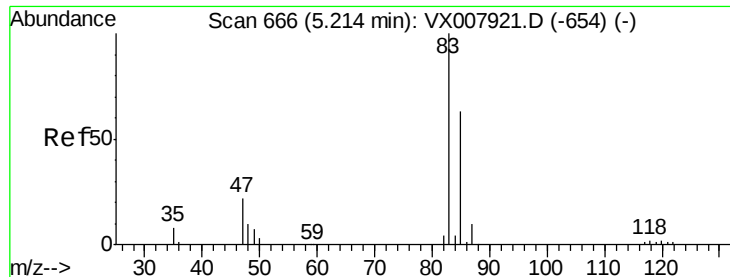


#24

Methyl tert-Butyl Ether
 Concen: 23.252 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion: 73 Resp: 269509
 Ion Ratio Lower Upper
 73 100
 43 18.9 17.1 25.7





#25

Chloroform

Concen: 22.915 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampled :

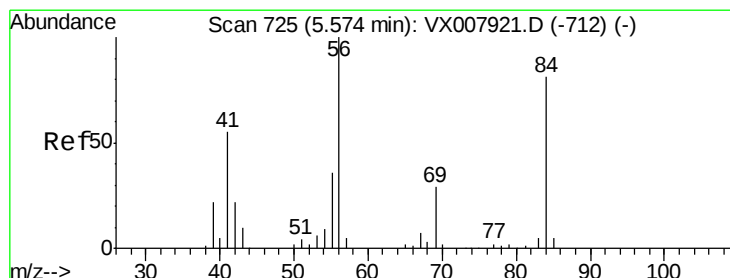
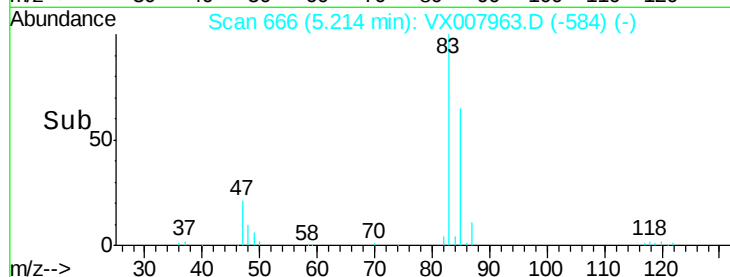
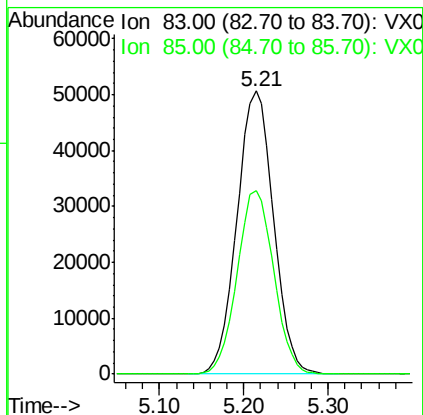
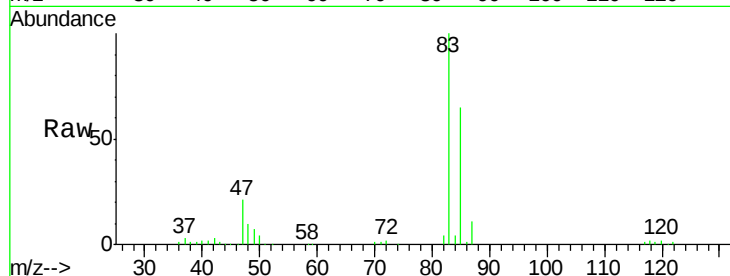
VX0311WBS01

Tot Ion: 83 Resp: 148732

Ion Ratio Lower Upper

83 100

85 64.8 53.8 80.6



#26

Cyclohexane

Concen: 22.930 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

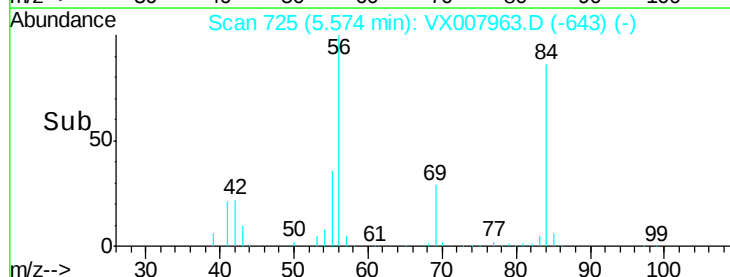
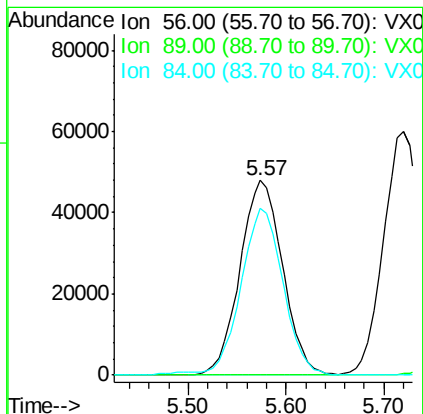
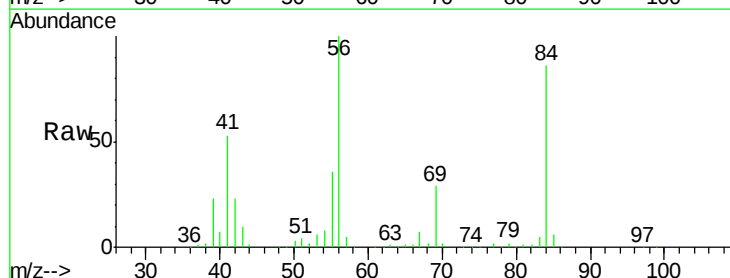
Tgt Ion: 56 Resp: 145709

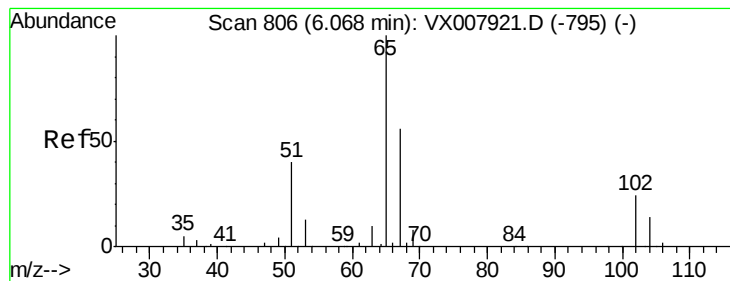
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 83.7 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 29.338 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

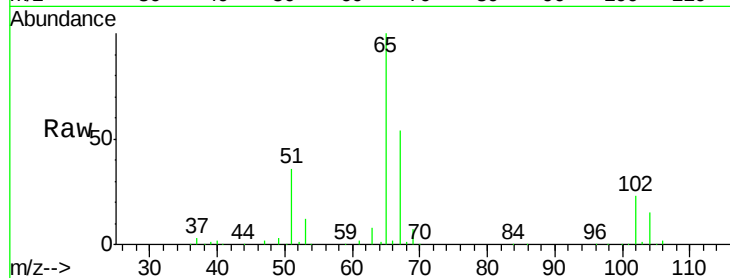
VX0311WBS01

Tot Ion: 65 Resp: 112031

Ion Ratio Lower Upper

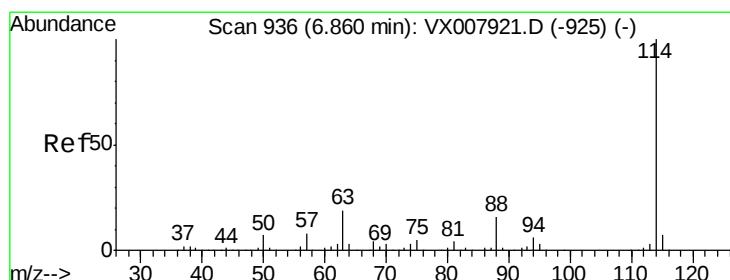
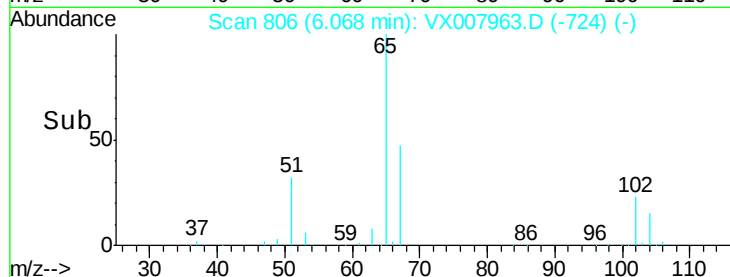
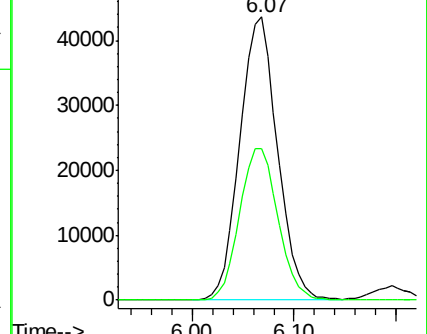
65 100

67 54.8 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

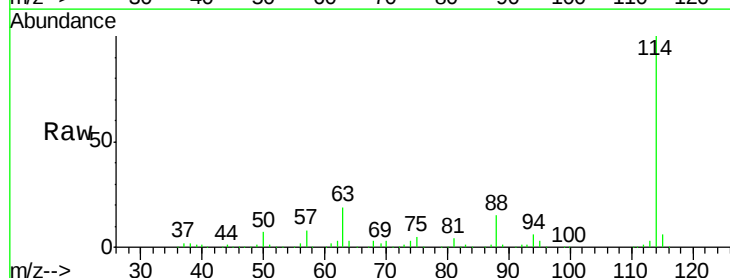
Tgt Ion: 114 Resp: 314888

Ion Ratio Lower Upper

114 100

63 19.3 14.2 21.4

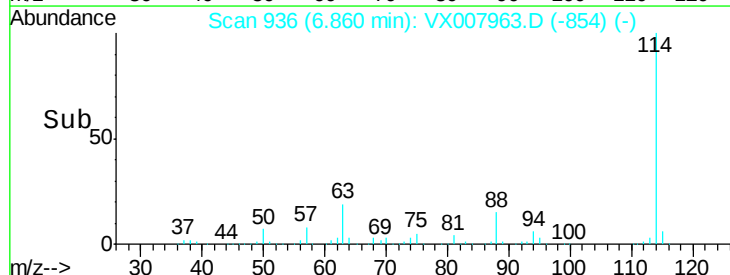
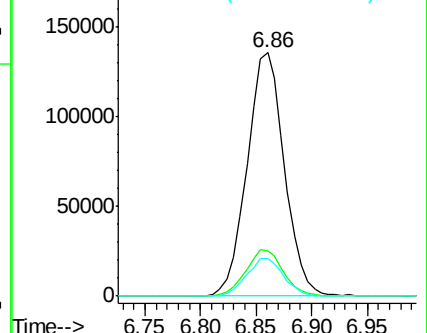
88 15.4 11.9 17.9

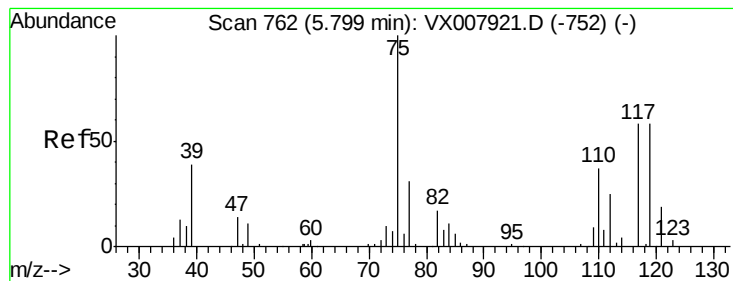


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 23.108 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS01

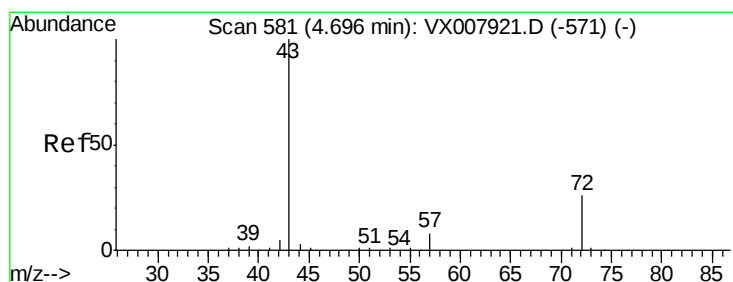
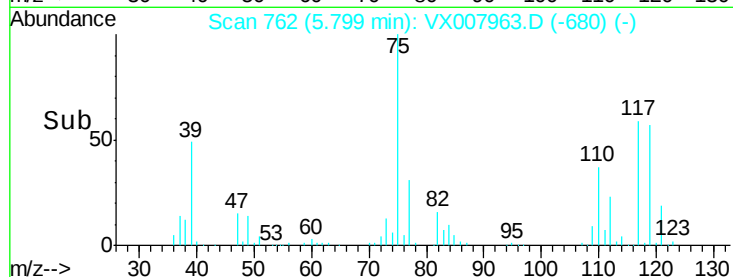
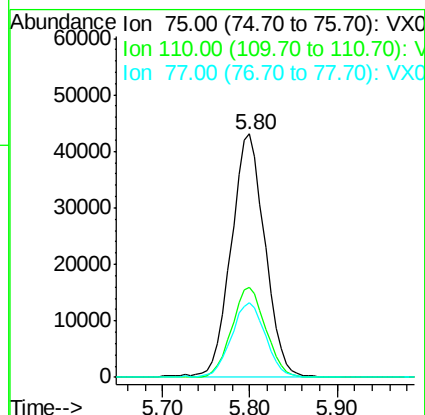
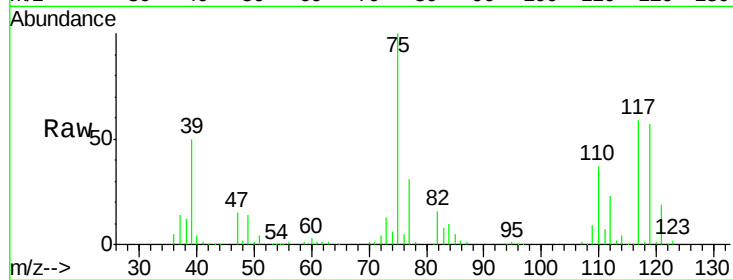
Tot Ion: 75 Resp: 115373

Ion Ratio Lower Upper

75 100

110 37.3 0.0 80.8

77 31.0 0.0 62.4



#30

2-Butanone

Concen: 107.982 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

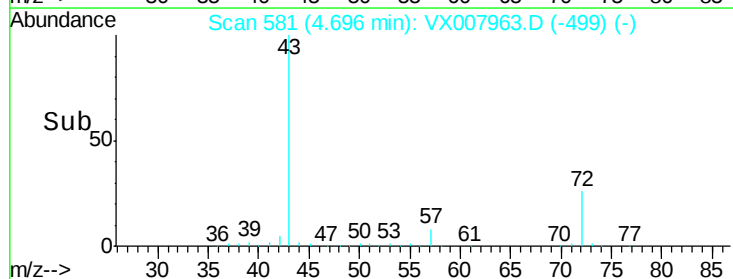
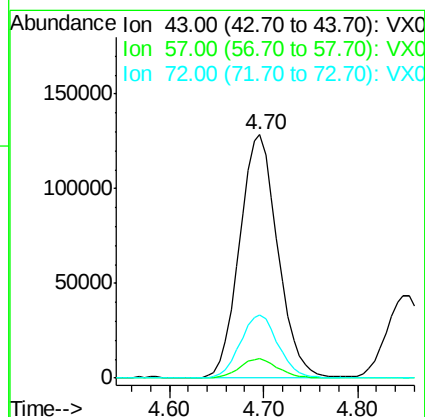
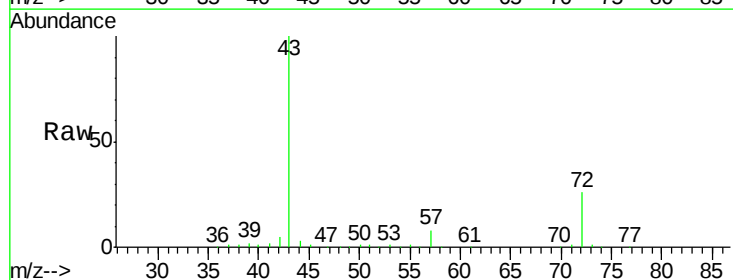
Tgt Ion: 43 Resp: 363625

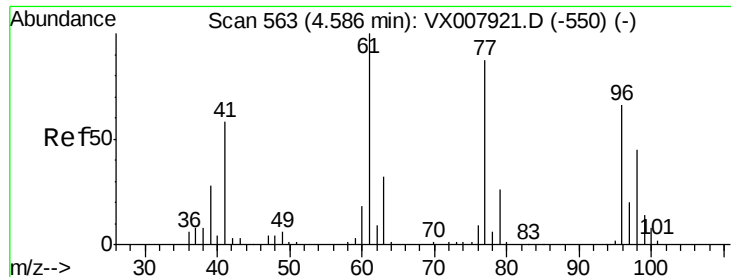
Ion Ratio Lower Upper

43 100

57 8.0 7.0 10.6

72 26.0 21.5 32.3





#31

2,2-Dichloropropane

Concen: 24.230 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

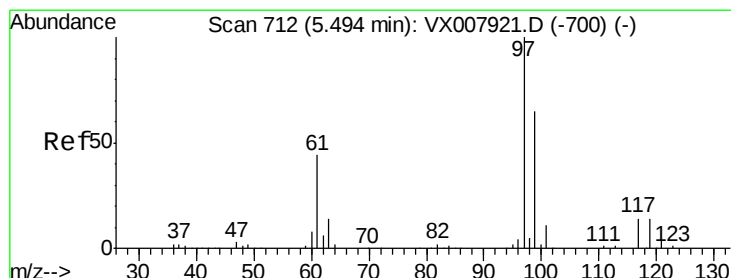
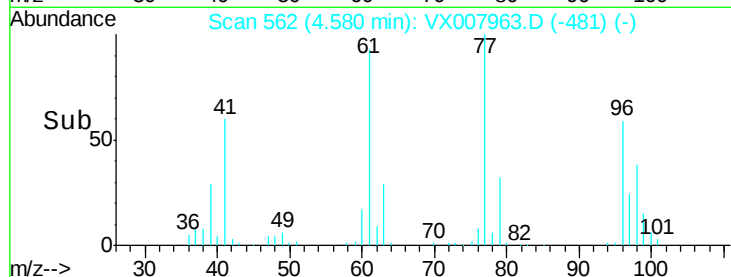
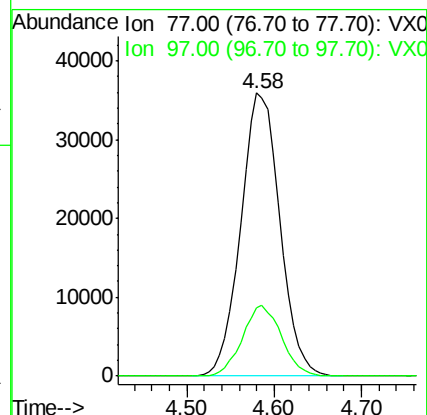
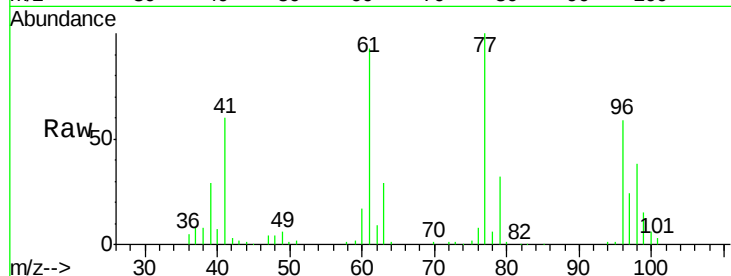
VX0311WBS01

Tot Ion: 77 Resp: 111737

Ion Ratio Lower Upper

77 100

97 24.8 20.6 31.0



#32

1,1,1-Trichloroethane

Concen: 23.421 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

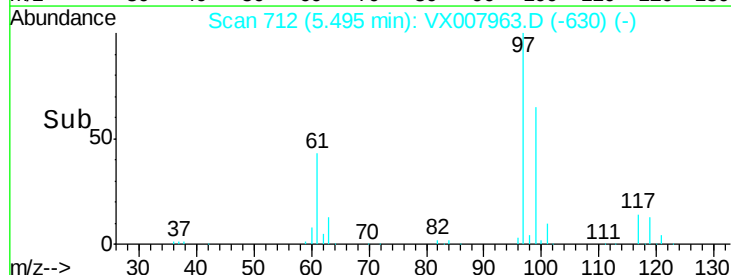
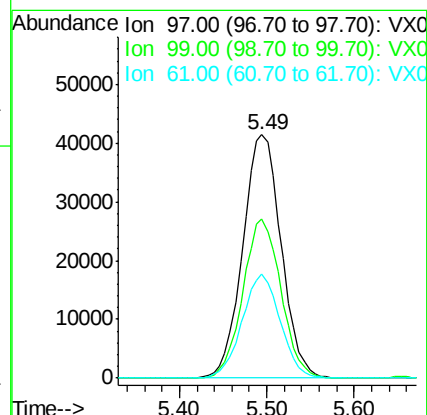
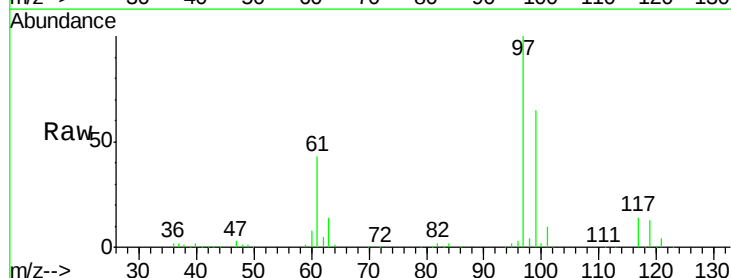
Tgt Ion: 97 Resp: 126448

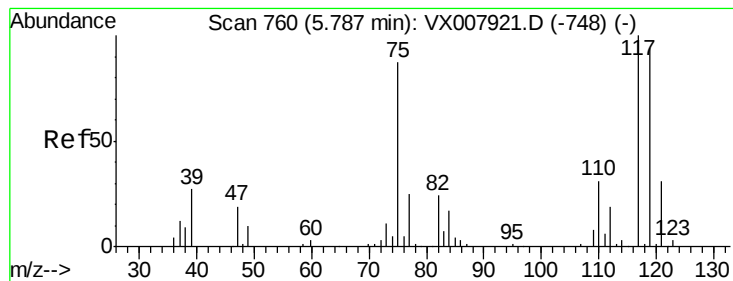
Ion Ratio Lower Upper

97 100

99 64.7 51.7 77.5

61 42.4 32.8 49.2





#33

Carbon Tetrachloride

Concen: 23.631 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0311WBS01

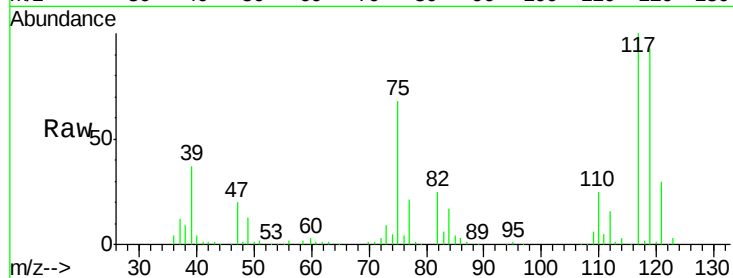
Tot Ion:117 Resp: 113161

Ion Ratio Lower Upper

117 100

119 92.9 78.1 117.1

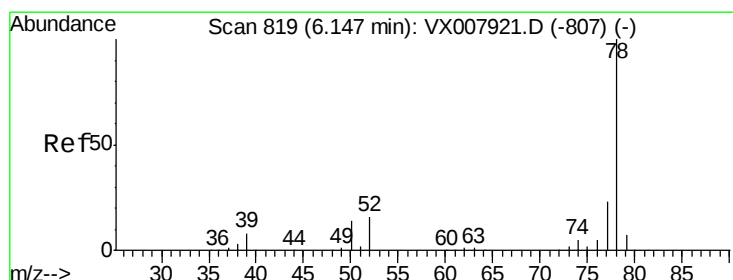
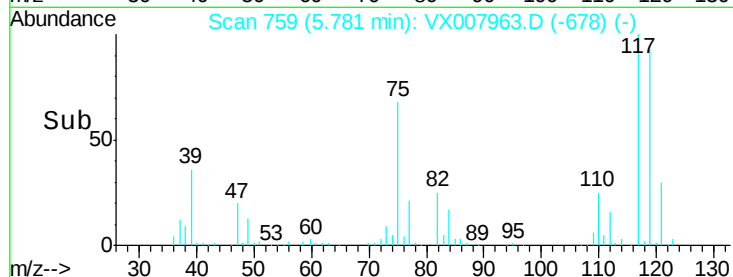
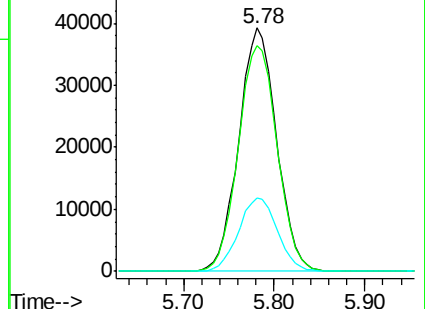
121 30.0 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 22.799 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

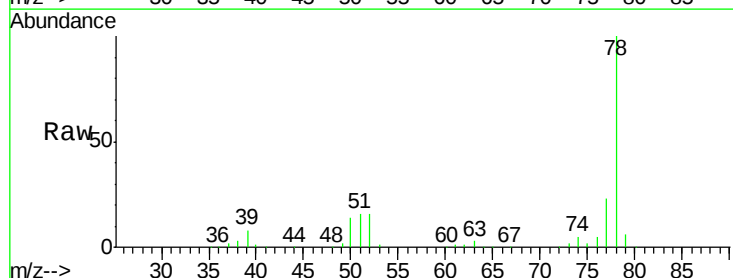
Tgt Ion: 78 Resp: 348836

Ion Ratio Lower Upper

78 100

77 23.5 19.1 28.7

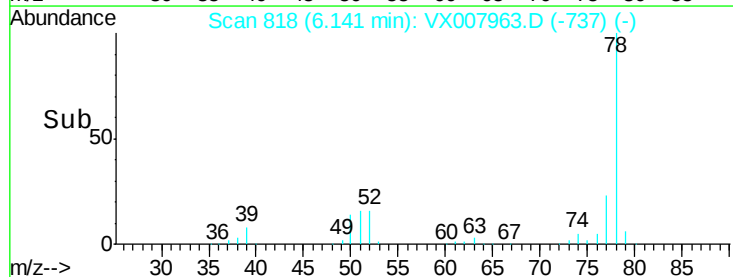
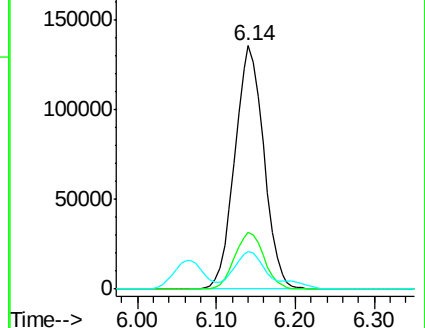
51 15.5 10.8 16.2

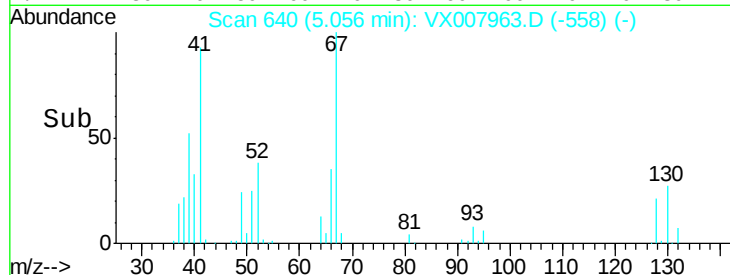
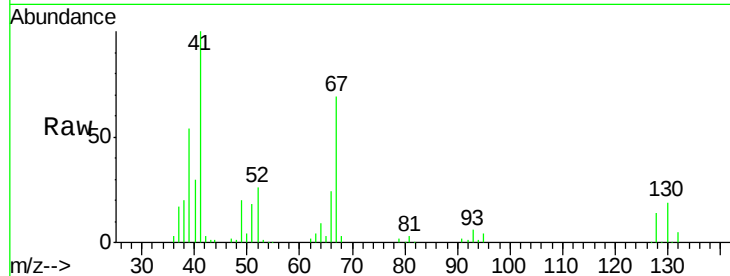
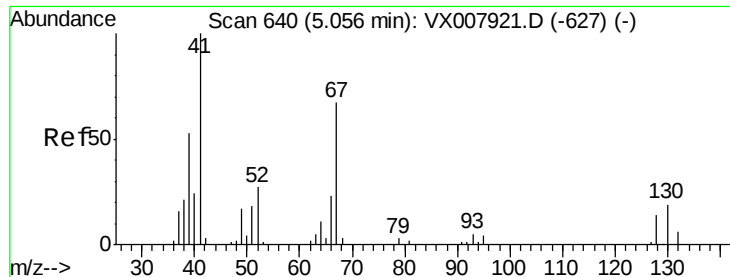


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

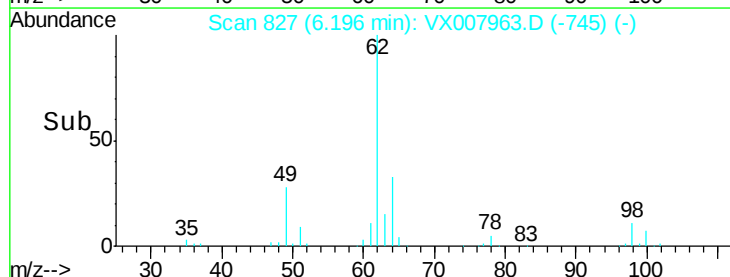
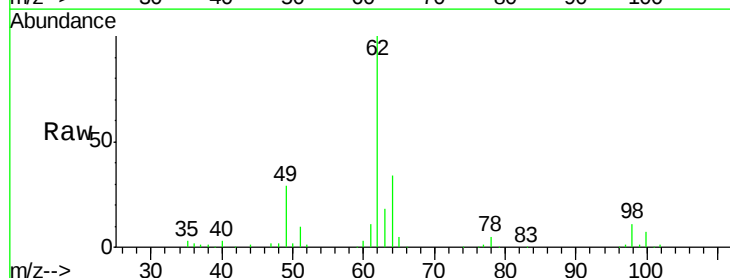
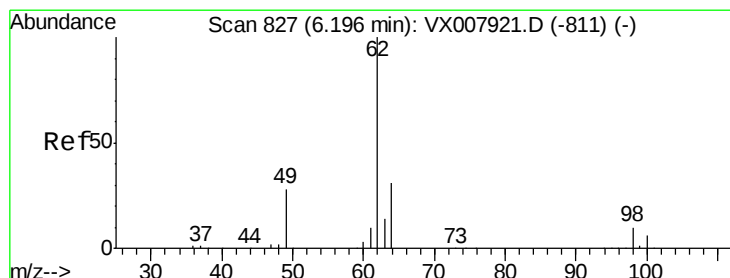
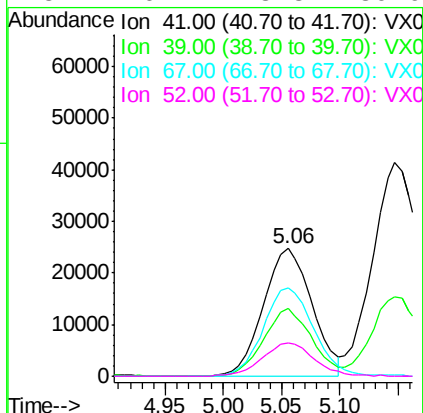




#35
Methacrylonitrile
Concen: 21.964 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

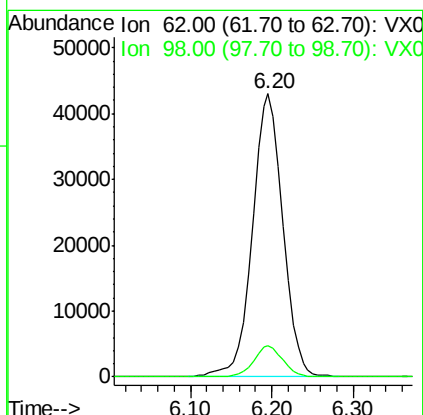
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

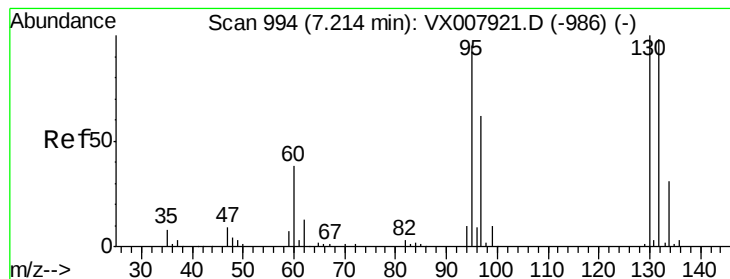
Tot Ion: 41 Resp: 72074
Ion Ratio Lower Upper
41 100
39 53.5 27.4 82.0
67 69.0 37.9 113.6
52 26.1 13.3 39.9



#36
1,2-Dichloroethane
Concen: 22.498 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion: 62 Resp: 111993
Ion Ratio Lower Upper
62 100
98 10.5 7.8 11.8





#37

Trichloroethene

Concen: 23.407 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

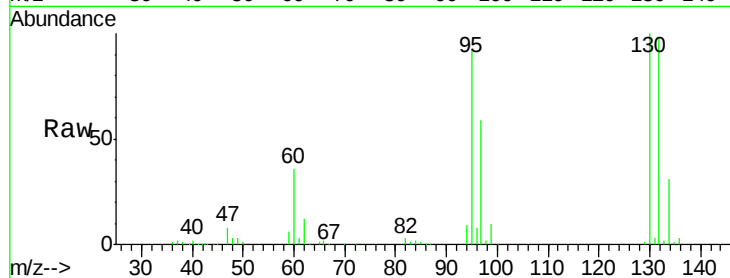
VX0311WBS01

Tot Ion:130 Resp: 97036

Ion Ratio Lower Upper

130 100

95 92.0 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

50000

40000

30000

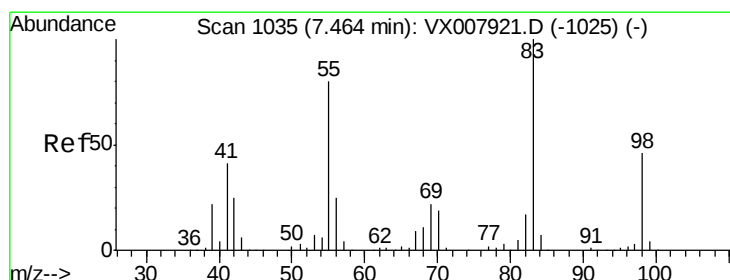
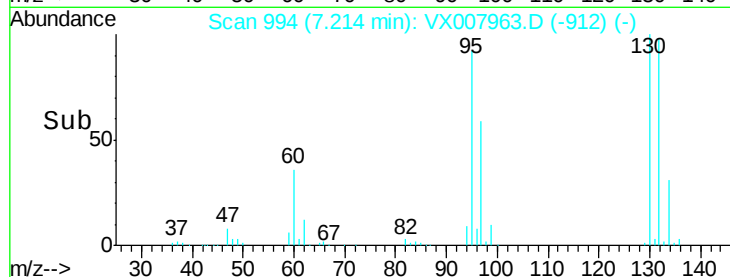
20000

10000

0

7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 23.319 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

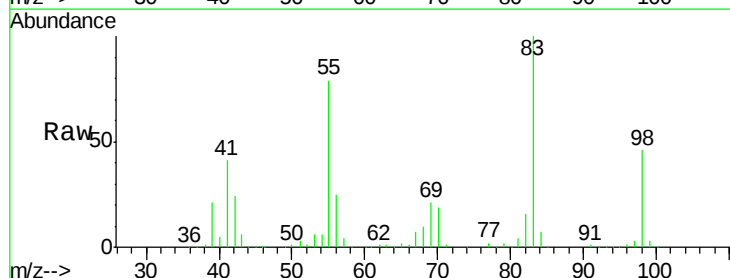
Tgt Ion: 83 Resp: 148026

Ion Ratio Lower Upper

83 100

55 76.9 36.0 108.0

98 46.7 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.46

80000

60000

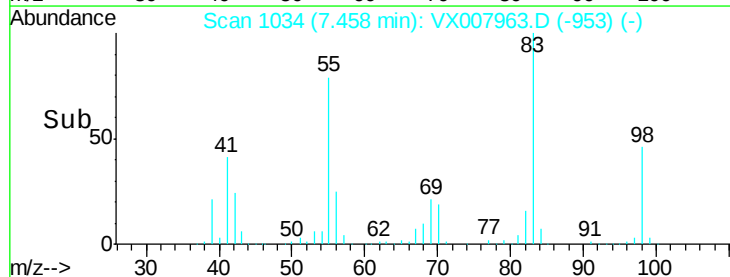
40000

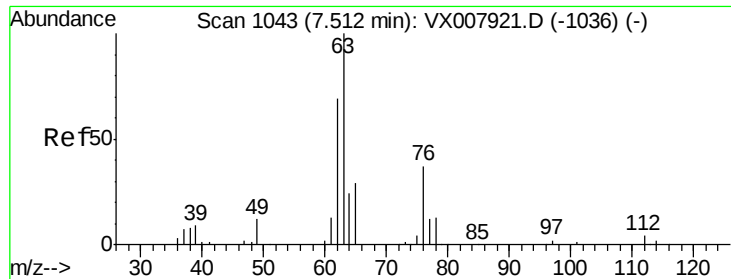
20000

0

7.40 7.50 7.60

Time-->

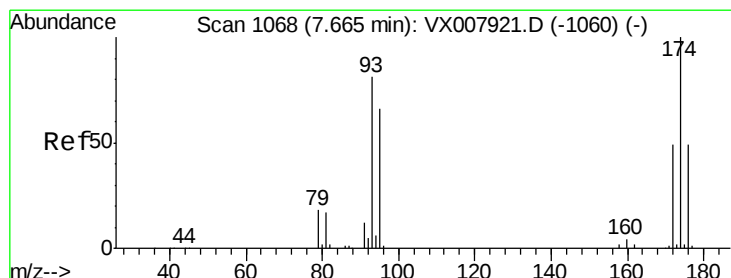
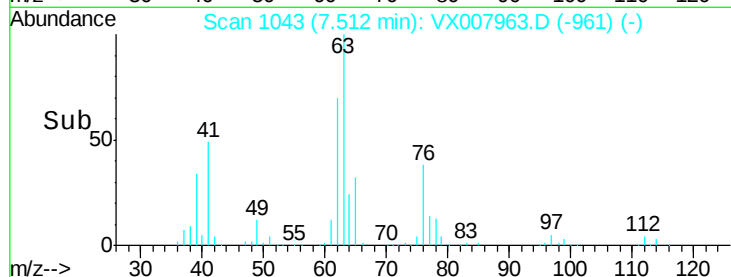
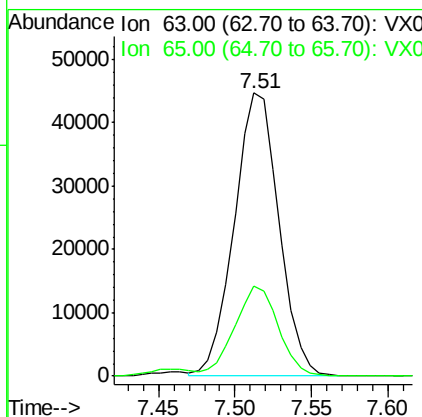
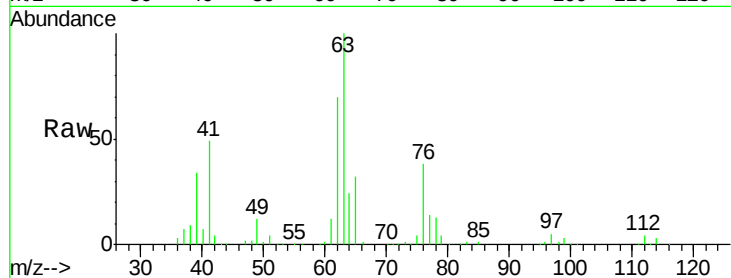




#39
 1,2-Dichloropropane
 Concen: 22.774 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

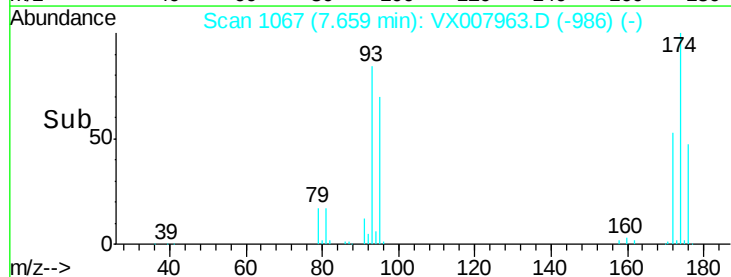
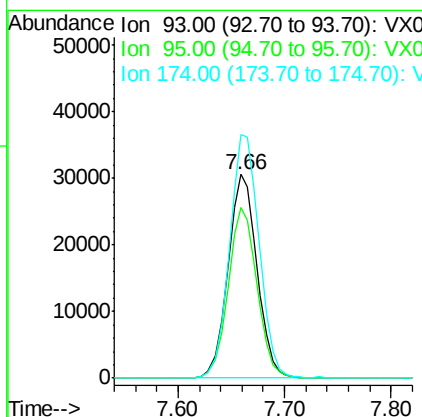
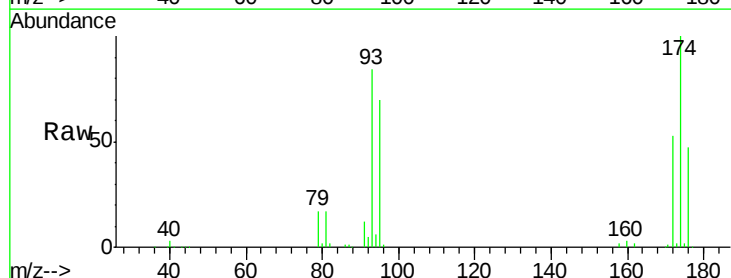
Instrument :
 MSVOA_X
 ClientSampled :
 VX0311WBS01

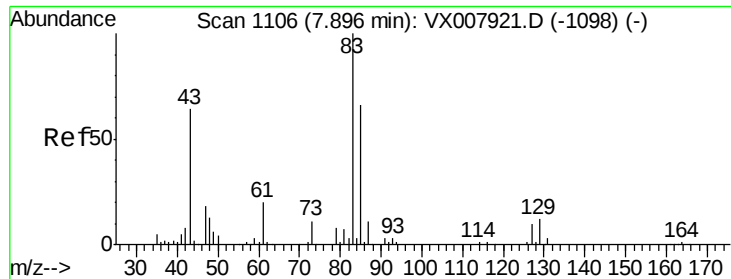
Tot Ion: 63 Resp: 90877
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.6 37.0



#40
 Dibromomethane
 Concen: 23.082 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion: 93 Resp: 58423
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 158.8
 174 121.7 0.0 224.2





#41

Bromodichloromethane

Concen: 23.061 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS01

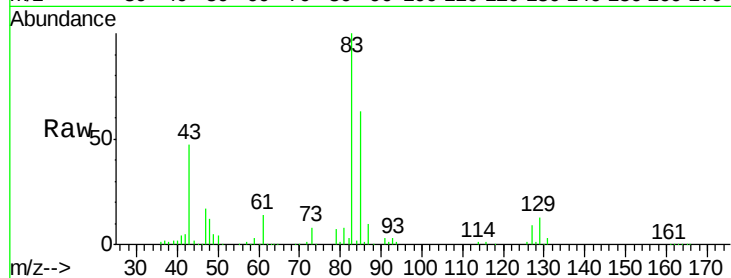
Tot Ion: 83 Resp: 110328

Ion Ratio Lower Upper

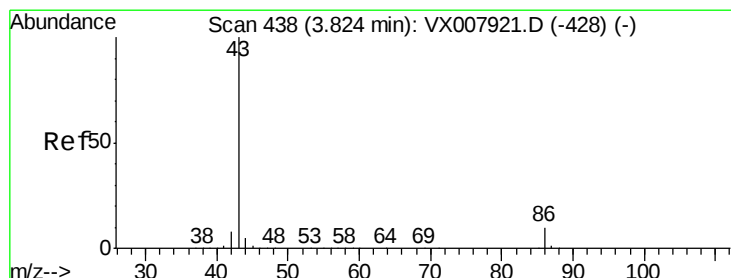
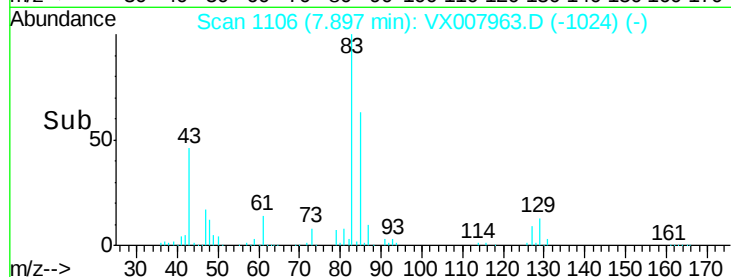
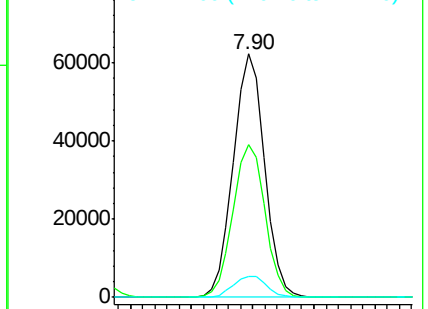
83 100

85 62.5 51.1 76.7

127 8.7 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 116.122 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007963.D

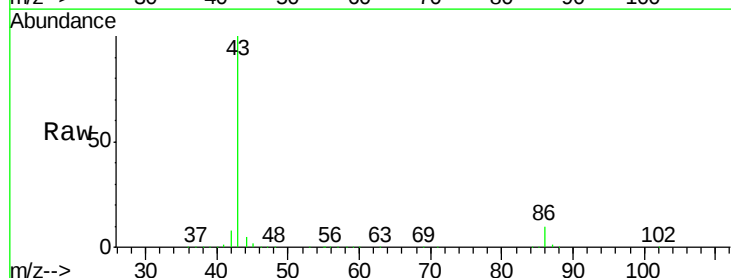
Acq: 11 Mar 2019 11:44

Tgt Ion: 43 Resp: 1265796

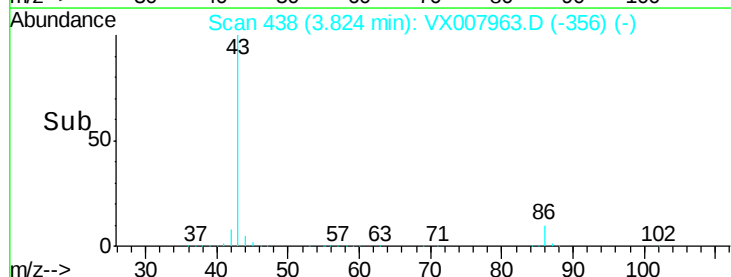
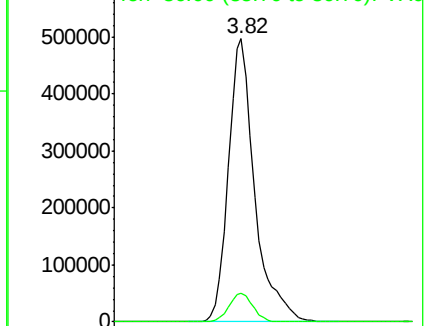
Ion Ratio Lower Upper

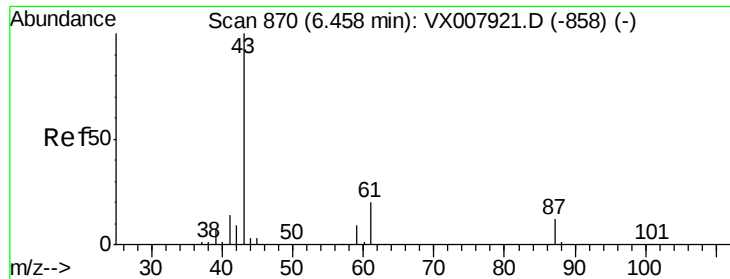
43 100

86 9.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0



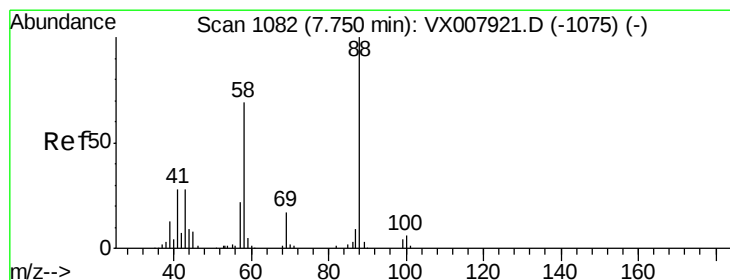
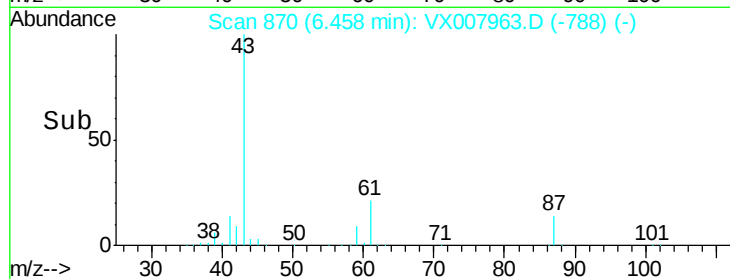
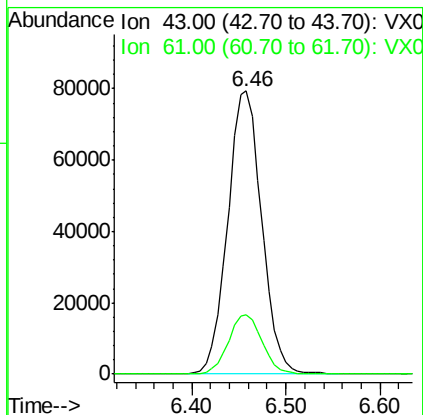
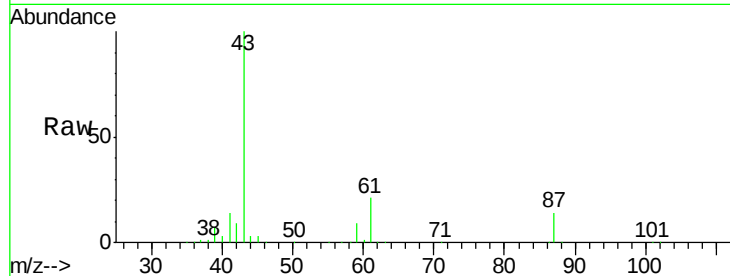


#44

Isopropyl Acetate
 Concen: 22.200 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS01

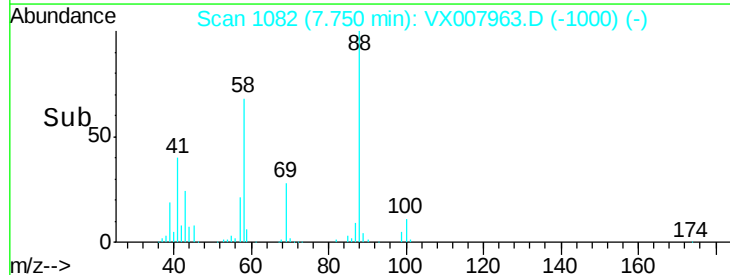
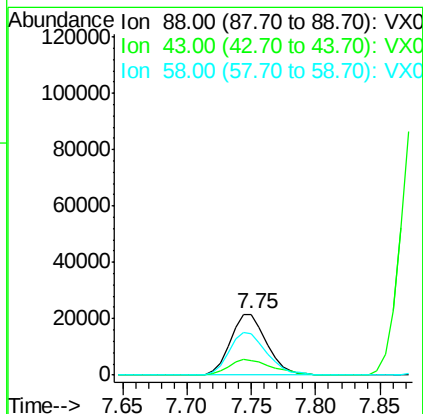
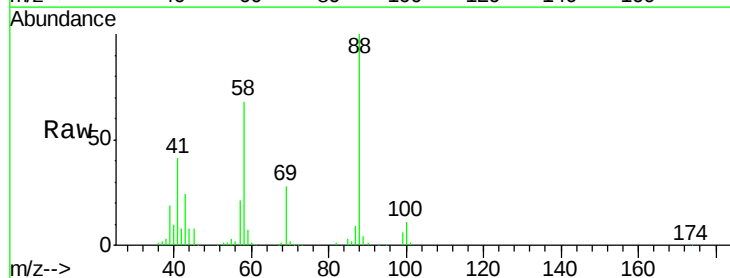
Tot Ion: 43 Resp: 198688
 Ion Ratio Lower Upper
 43 100
 61 20.9 16.1 24.1

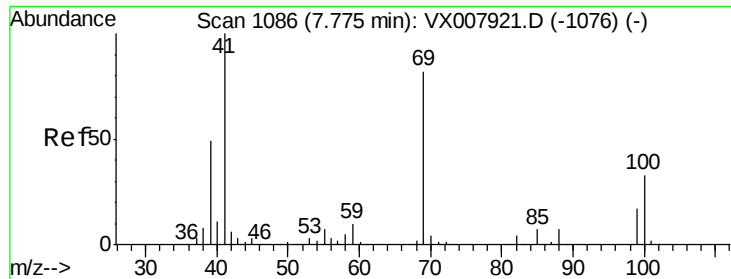


#45

1,4-Dioxane
 Concen: 454.464 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion: 88 Resp: 42554
 Ion Ratio Lower Upper
 88 100
 43 30.6 23.6 35.4
 58 72.5 51.6 77.4

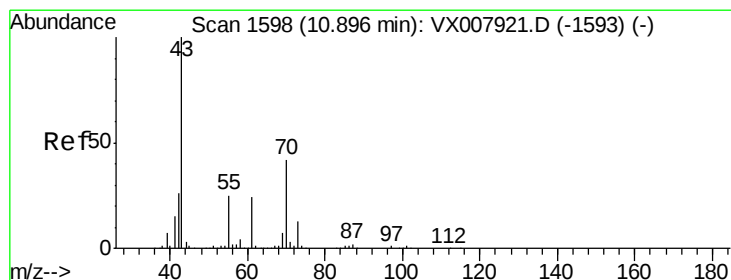
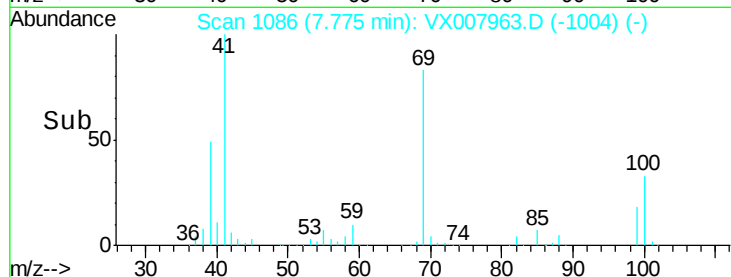
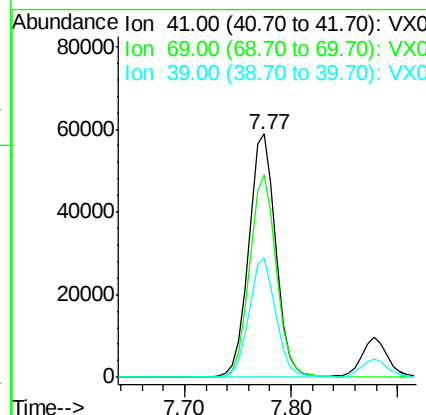
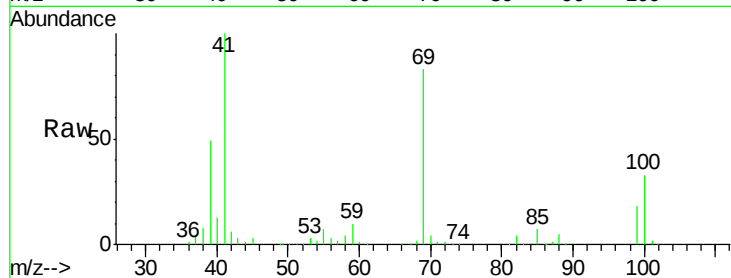




#46
Methvl methacrylate
Concen: 22.462 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

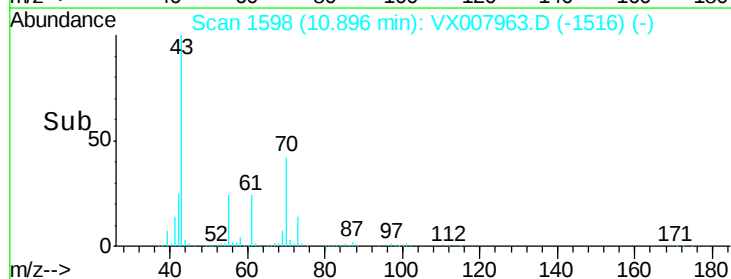
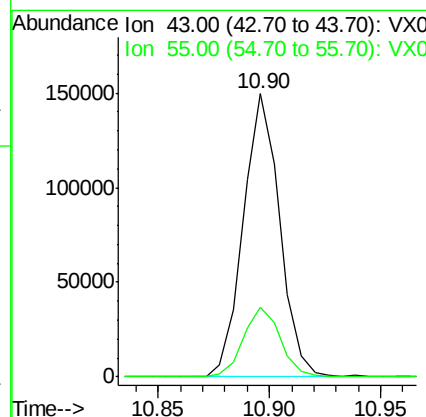
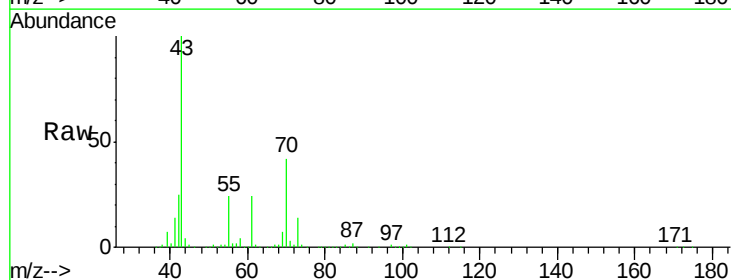
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

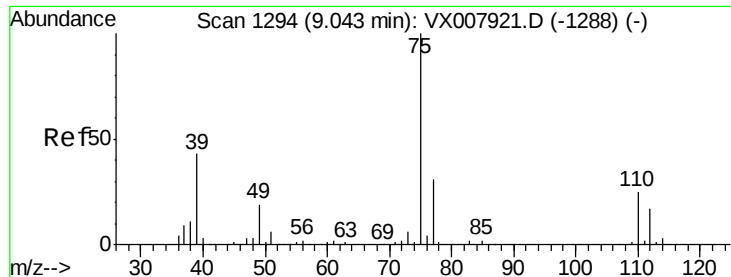
Tot Ion: 41 Resp: 105727
Ion Ratio Lower Upper
41 100
69 83.3 44.2 132.6
39 49.3 29.9 89.8



#47
n-amy1 Acetate
Concen: 22.143 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion: 43 Resp: 170757
Ion Ratio Lower Upper
43 100
55 24.8 20.8 31.2

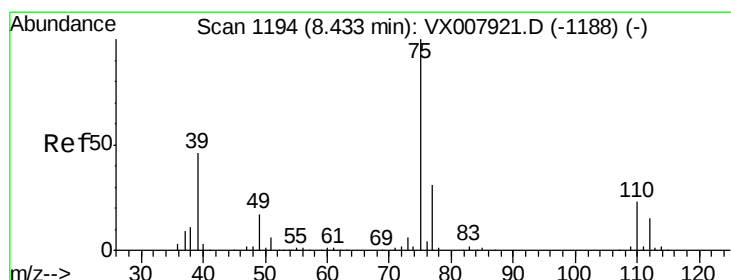
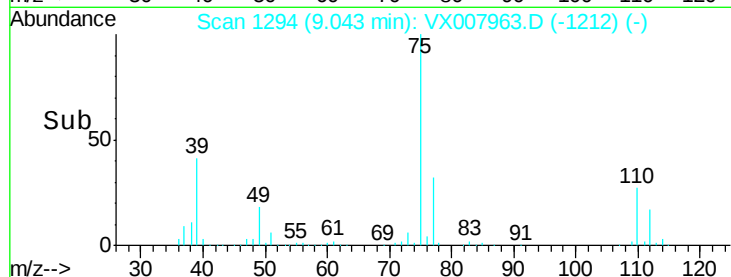
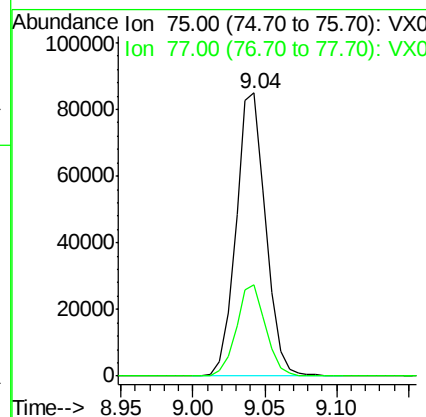
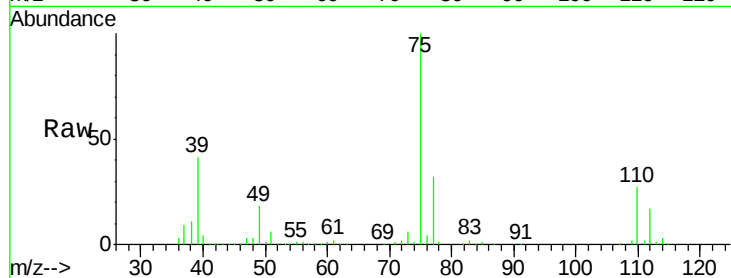




#48
t-1,3-Dichloropropene
Concen: 23.553 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

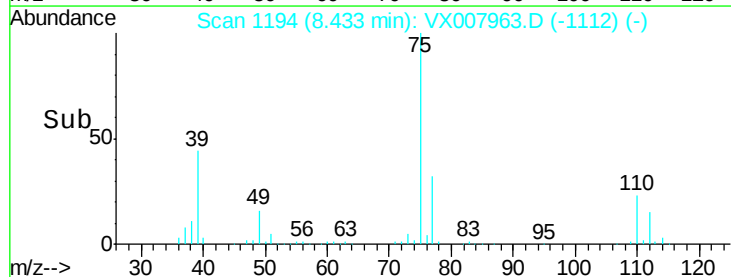
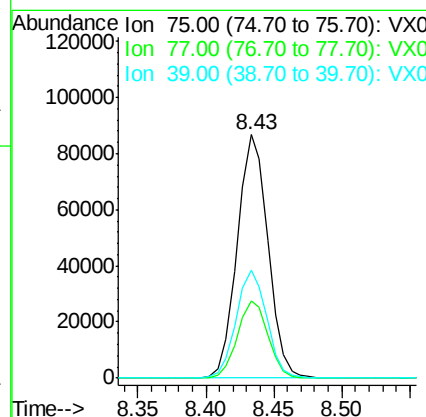
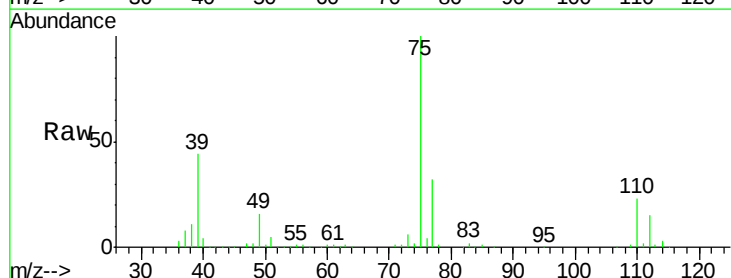
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

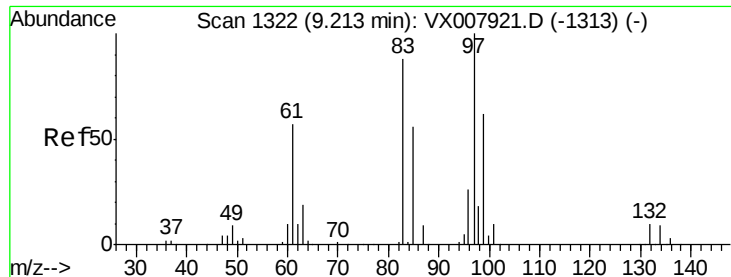
Tot Ion: 75 Resp: 122042
Ion Ratio Lower Upper
75 100
77 32.2 24.5 36.7



#49
cis-1,3-Dichloropropene
Concen: 23.313 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion: 75 Resp: 136782
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.4
39 44.2 38.5 57.7

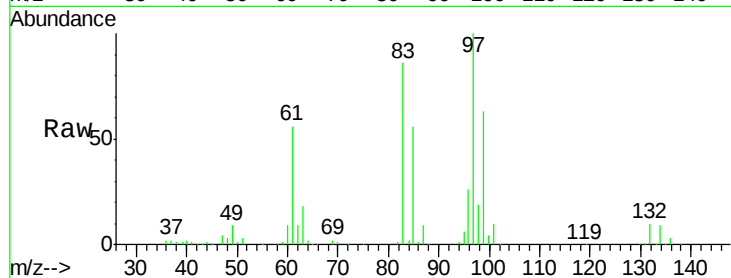




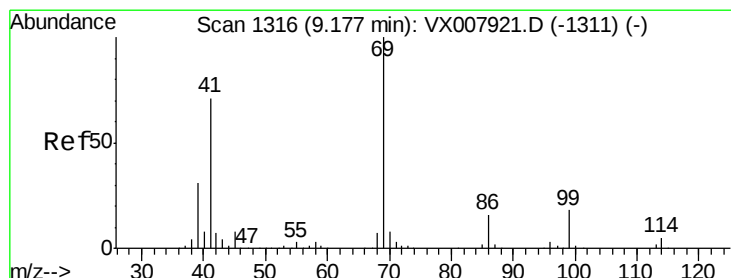
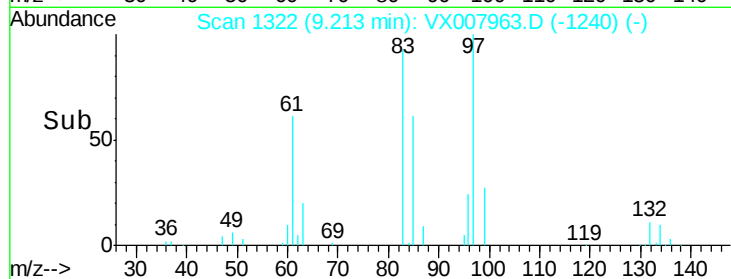
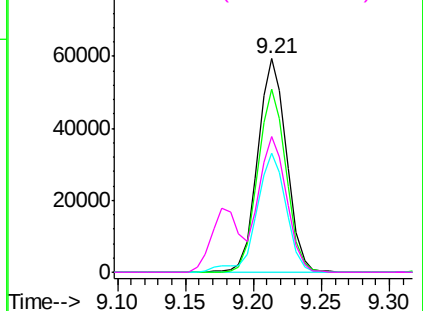
#50
1,1,2-Trichloroethane
Concen: 22.851 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tot Ion: 97 Resp: 88163
Ion Ratio Lower Upper
97 100
83 85.7 72.0 108.0
85 55.6 45.0 67.6
99 63.3 54.2 81.4

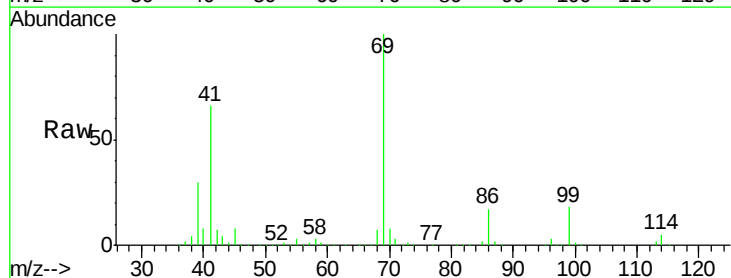


Abundance Ion 97.00 (96.70 to 97.70): VX0
Ion 82.95 (82.65 to 83.65): VX0
Ion 84.95 (84.65 to 85.65): VX0
Ion 98.95 (98.65 to 99.65): VX0

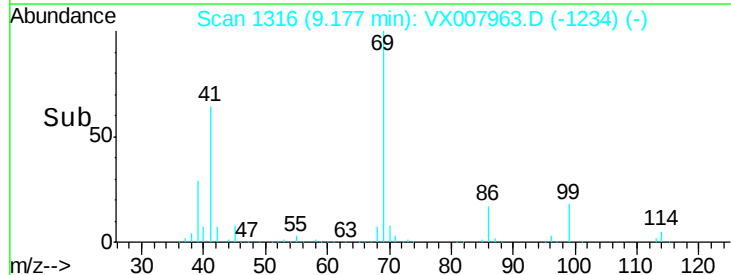
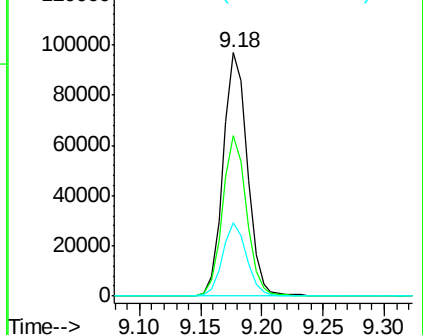


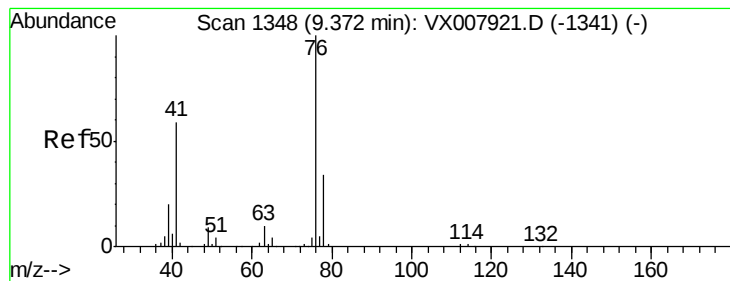
#51
Ethyl methacrylate
Concen: 22.737 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion: 69 Resp: 133032
Ion Ratio Lower Upper
69 100
41 65.9 32.1 96.5
39 29.9 18.8 56.3



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#52

1,3-Dichloropropane

Concen: 22.927 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

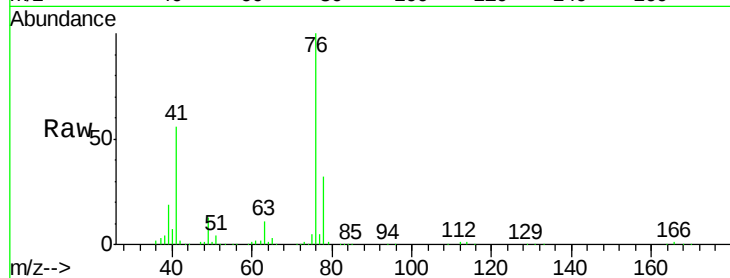
VX0311WBS01

Tot Ion: 76 Resp: 146157

Ion Ratio Lower Upper

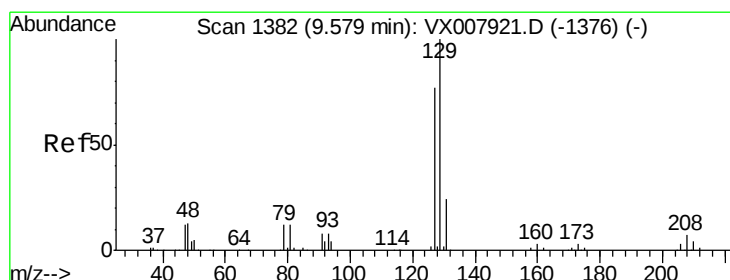
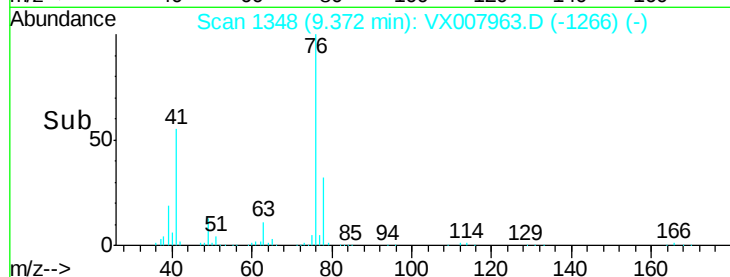
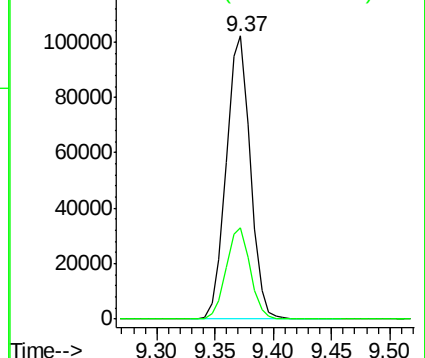
76 100

78 32.3 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



#53

Dibromochloromethane

Concen: 23.588 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX007963.D

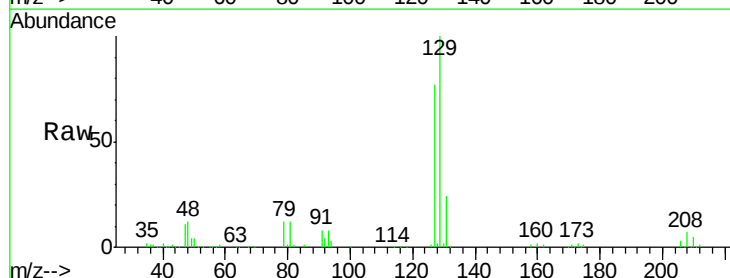
Acq: 11 Mar 2019 11:44

Tgt Ion:129 Resp: 93610

Ion Ratio Lower Upper

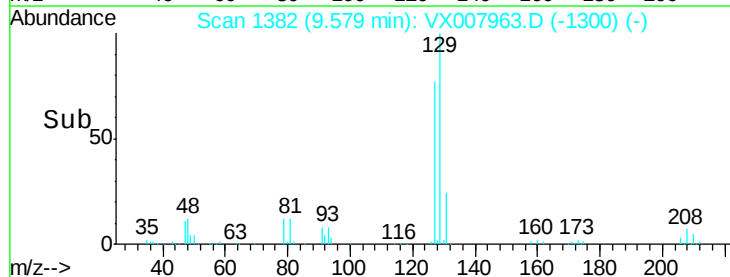
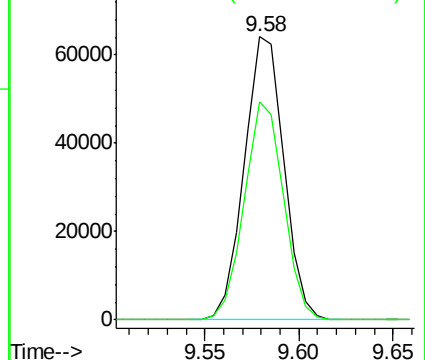
129 100

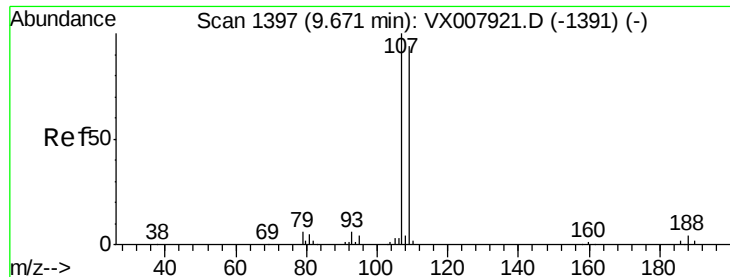
127 76.2 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#54

1,2-Dibromoethane

Concen: 22.844 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

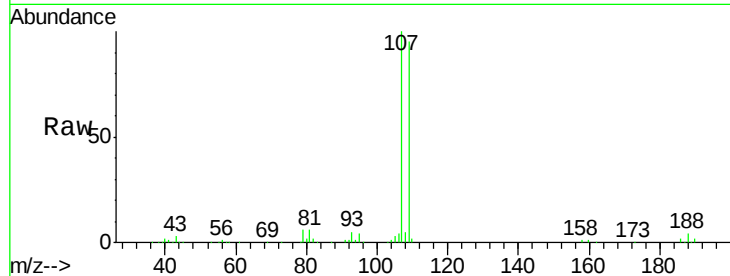
VX0311WBS01

Tot Ion:107 Resp: 92142

Ion Ratio Lower Upper

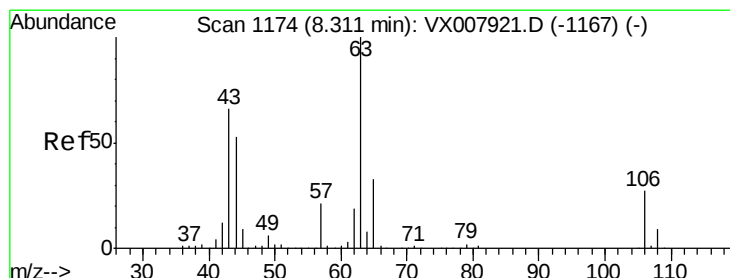
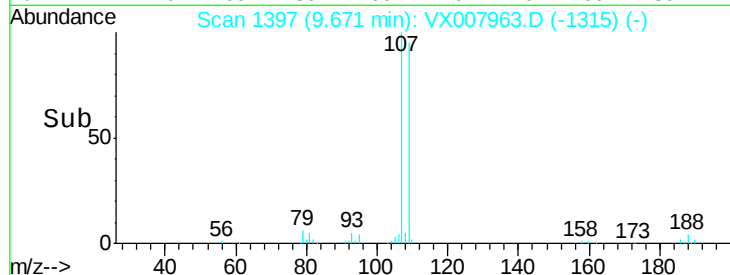
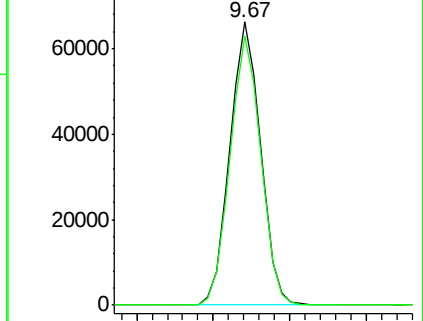
107 100

109 95.2 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#55

2-Chloroethyl vinyl ether

Concen: 116.526 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

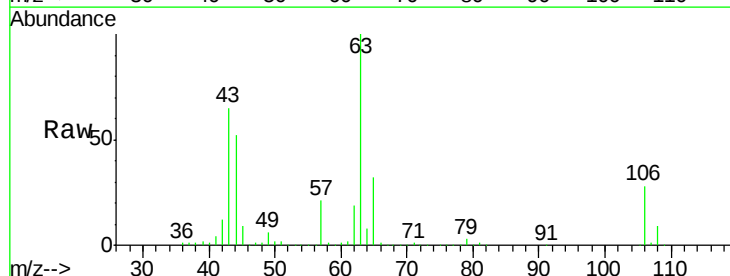
Tgt Ion: 63 Resp: 317104

Ion Ratio Lower Upper

63 100

65 32.3 25.7 38.5

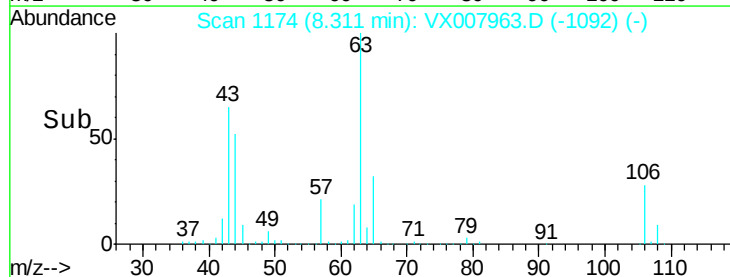
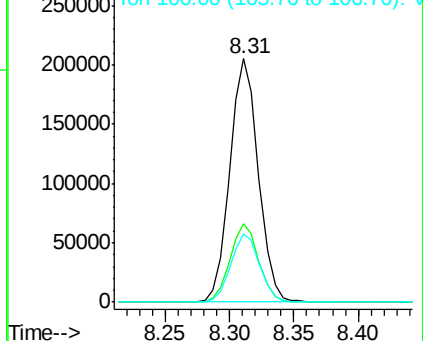
106 28.2 23.7 35.5

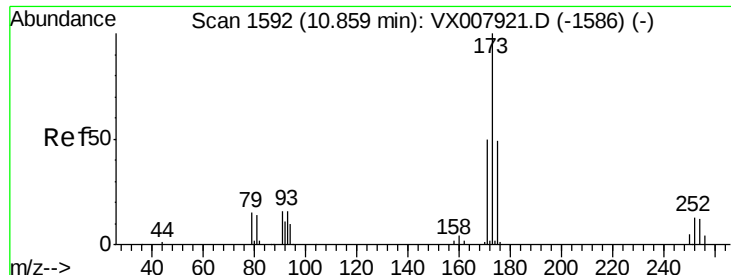


Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

Ion 106.00 (105.70 to 106.70): V

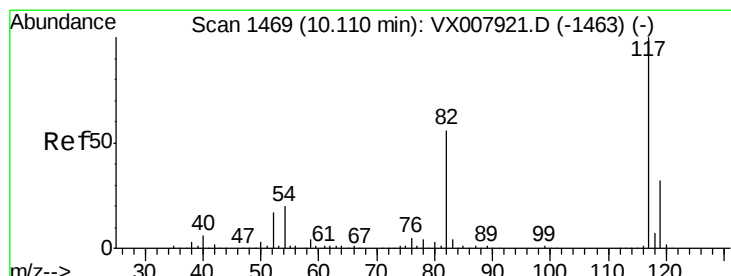
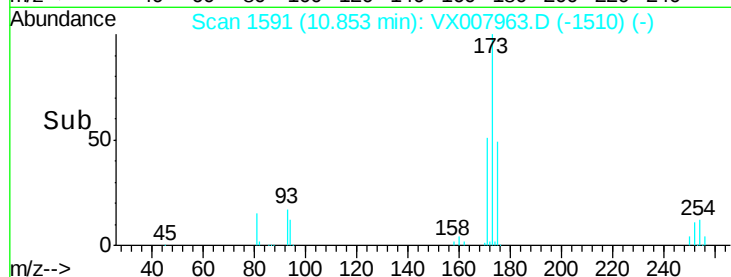
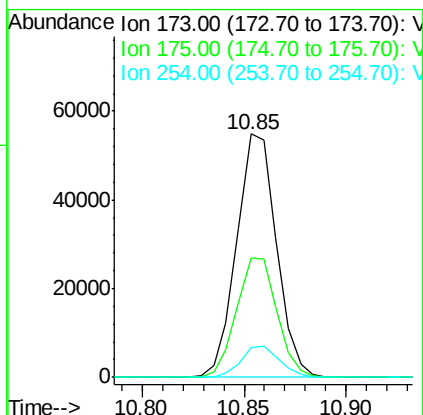
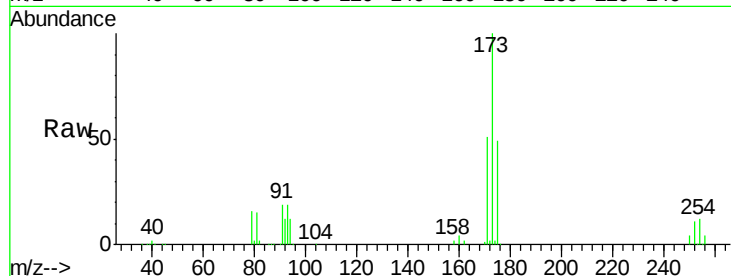




#56
Bromoform
Concen: 23.509 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

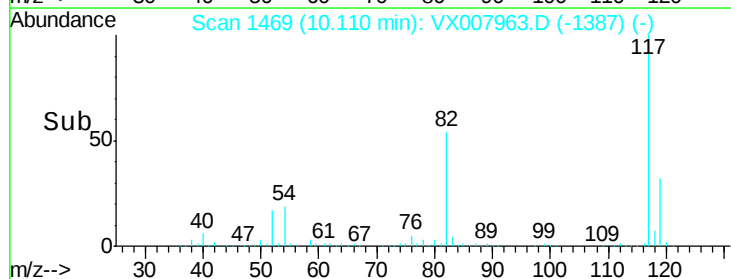
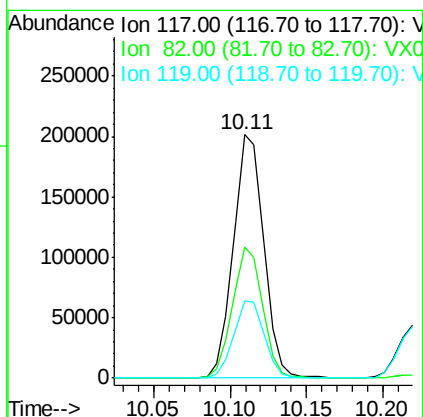
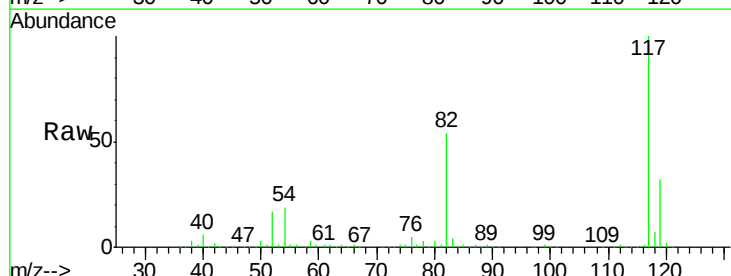
Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

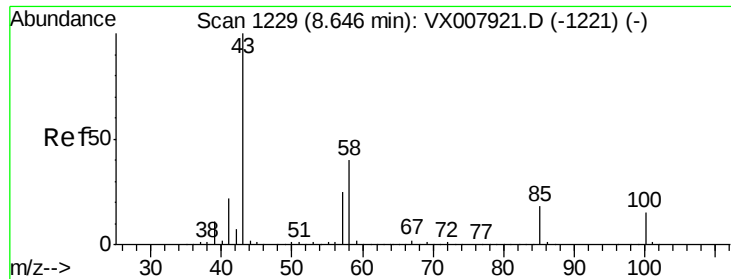
Tot Ion:173 Resp: 74418
Ion Ratio Lower Upper
173 100
175 49.8 38.5 57.7
254 12.5 7.4 11.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion:117 Resp: 278170
Ion Ratio Lower Upper
117 100
82 53.3 40.4 60.6
119 32.1 25.8 38.6

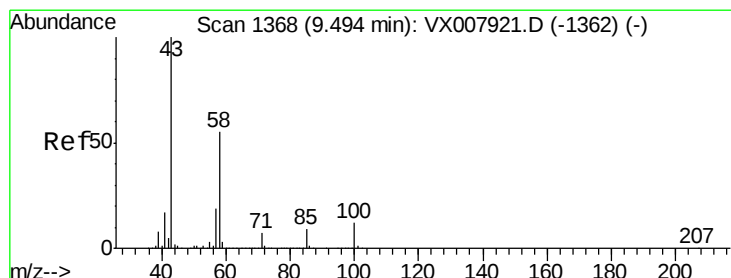
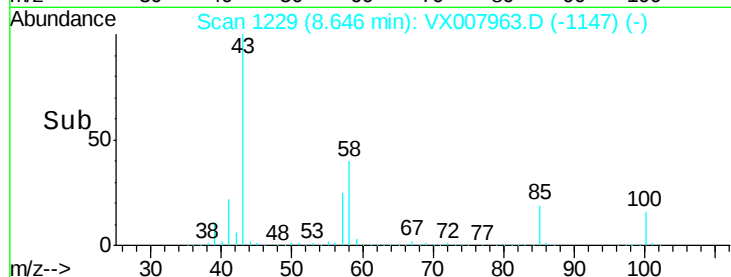
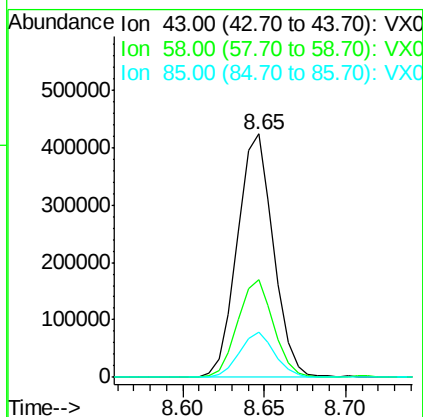
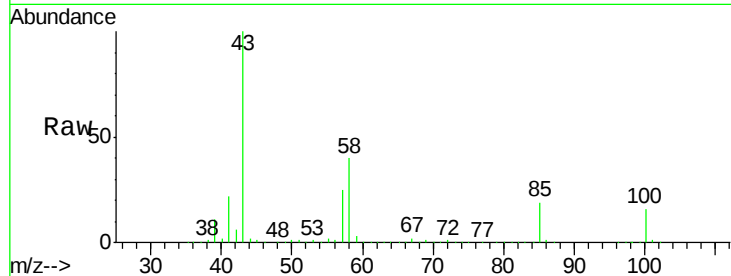




#58
 4-Methyl-2-Pentanone
 Concen: 114.136 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

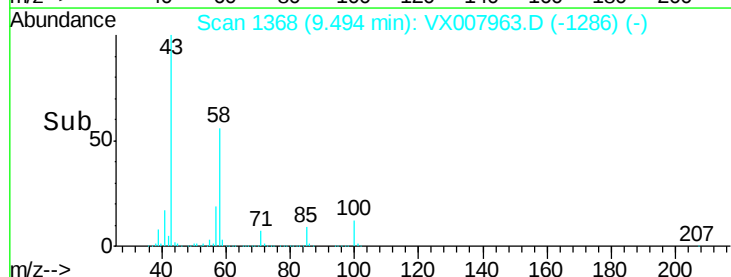
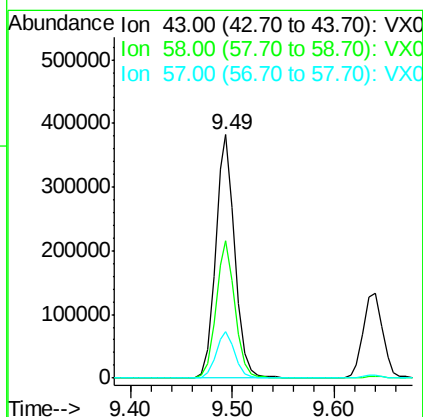
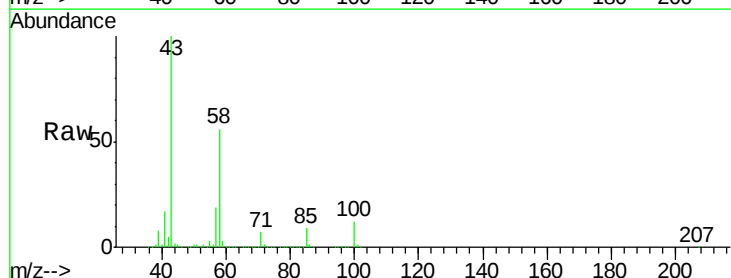
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0311WBS01

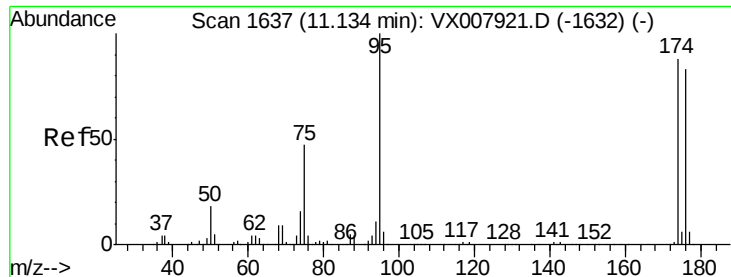
Tot Ion: 43 Resp: 653672
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.4 47.0
 85 18.3 15.0 22.6



#59
 2-Hexanone
 Concen: 111.518 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion: 43 Resp: 504156
 Ion Ratio Lower Upper
 43 100
 58 55.7 43.9 65.9
 57 19.0 14.9 22.3

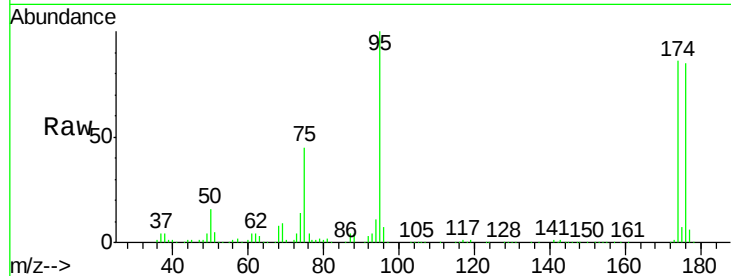




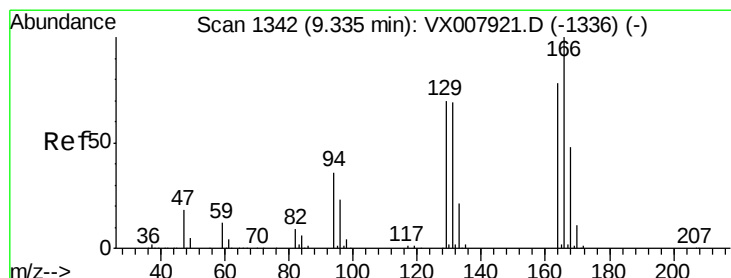
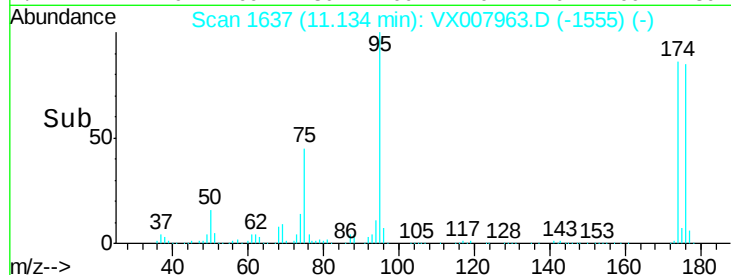
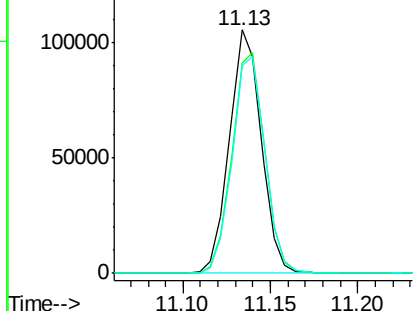
#60
4-Bromofluorobenzene
Concen: 30.263 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

Tot Ion: 95 Resp: 134366
Ion Ratio Lower Upper
95 100
174 93.3 74.9 112.3
176 91.2 70.7 106.1



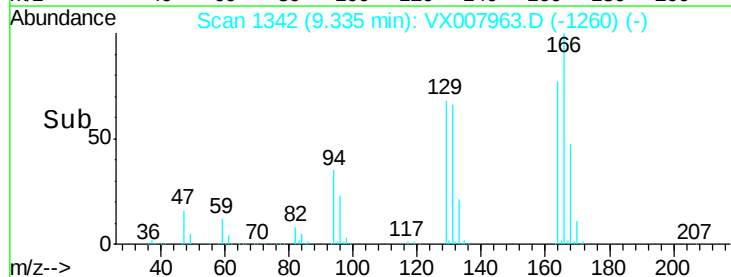
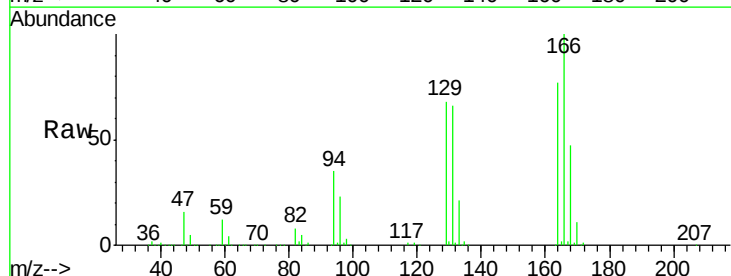
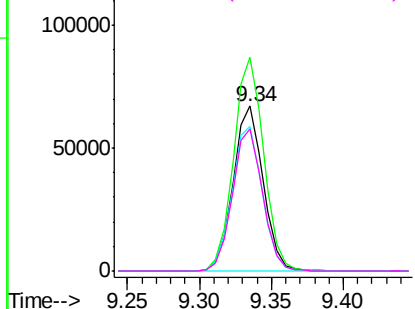
Abundance Ion 95.00 (94.70 to 95.70): VX
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

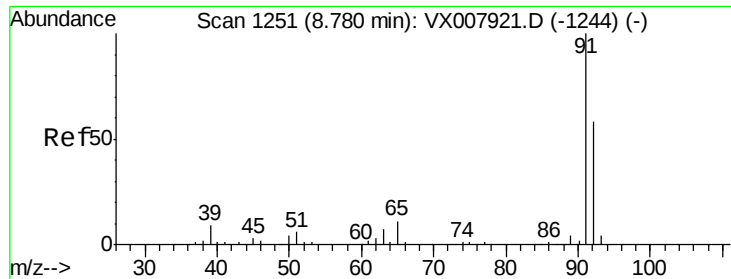


#61
Tetrachloroethene
Concen: 24.013 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion: 164 Resp: 97438
Ion Ratio Lower Upper
164 100
166 129.5 103.9 155.9
129 87.6 74.7 112.1
131 85.9 71.7 107.5

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





#62

Toluene

Concen: 22.930 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampled :

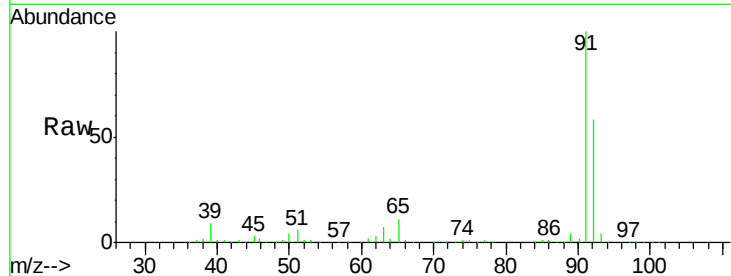
VX0311WBS01

Tot Ion: 91 Resp: 372448

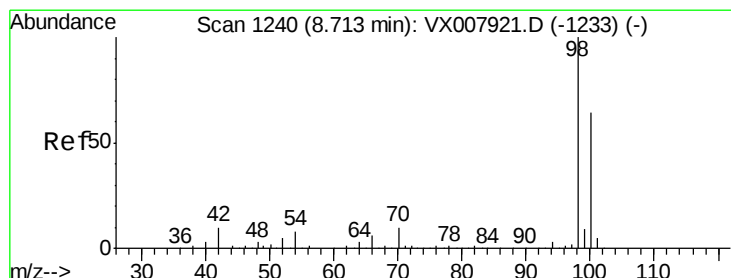
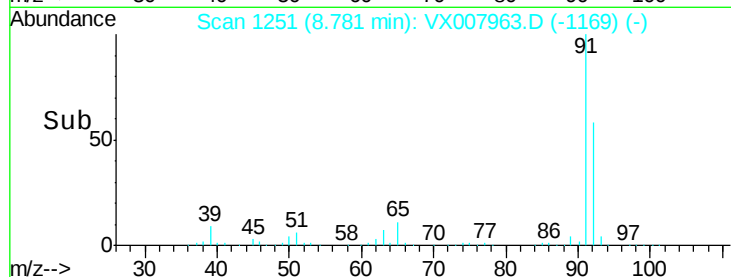
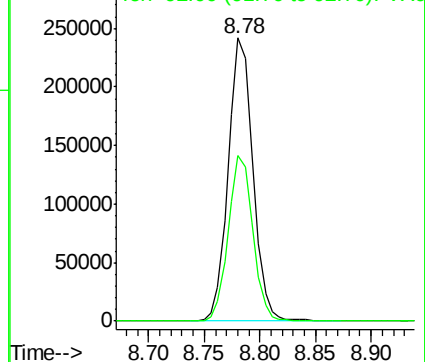
Ion Ratio Lower Upper

91 100

92 58.3 46.4 69.6



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



#63

Toluene-d8

Concen: 29.746 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007963.D

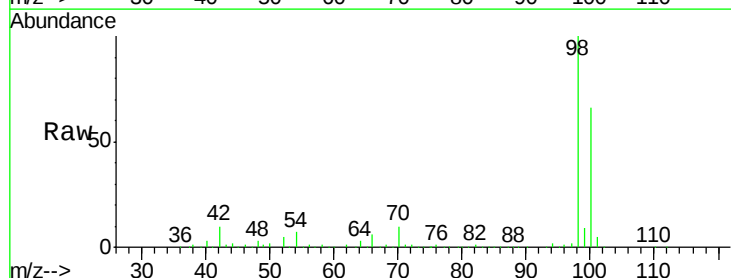
Acq: 11 Mar 2019 11:44

Tgt Ion: 98 Resp: 378679

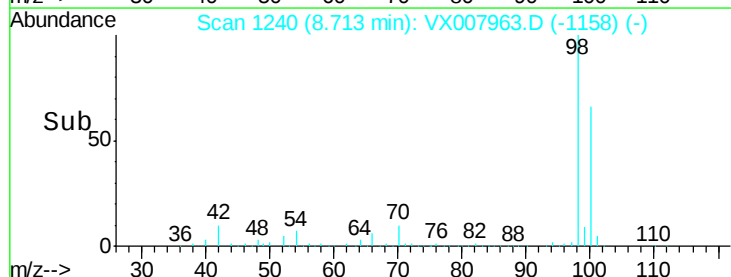
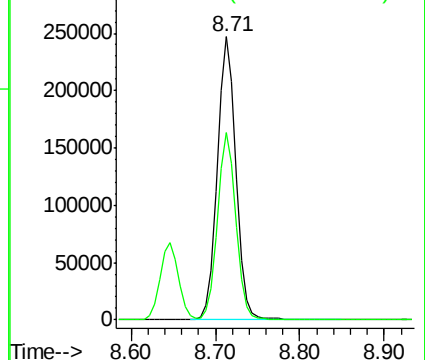
Ion Ratio Lower Upper

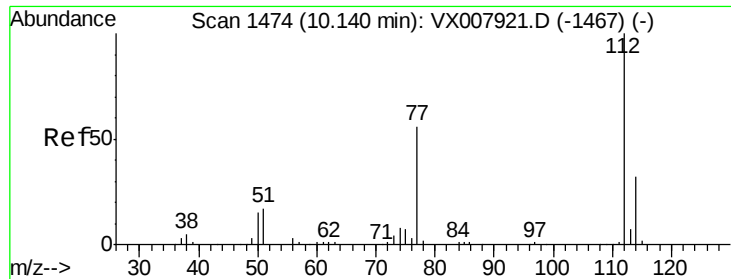
98 100

100 65.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#64

Chlorobenzene

Concen: 22.906 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

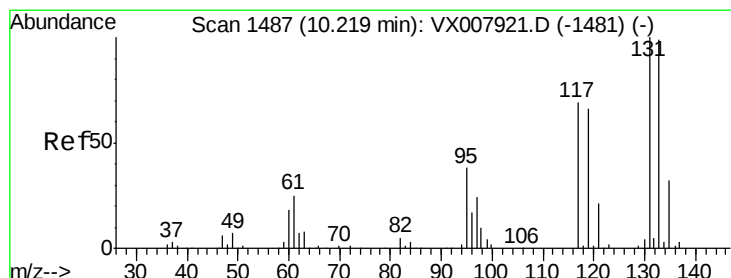
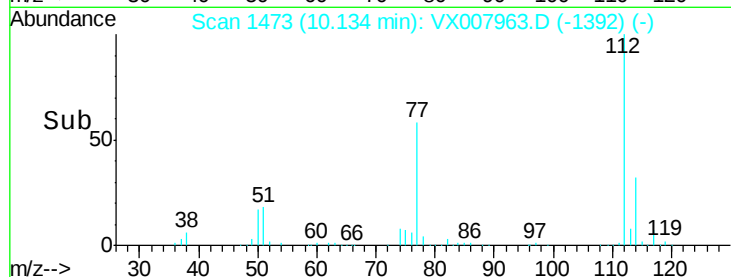
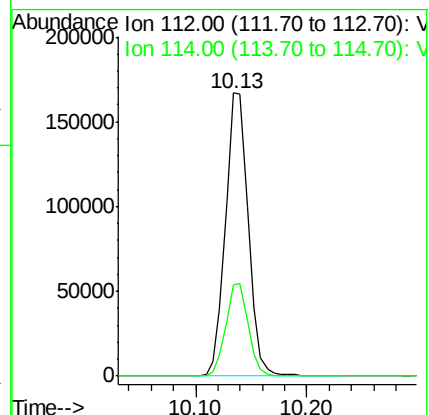
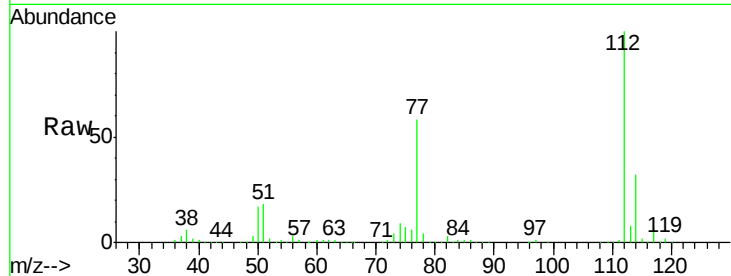
VX0311WBS01

Tot Ion:112 Resp: 237129

Ion Ratio Lower Upper

112 100

114 32.5 25.4 38.2



#65

1,1,1,2-Tetrachloroethane

Concen: 23.831 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

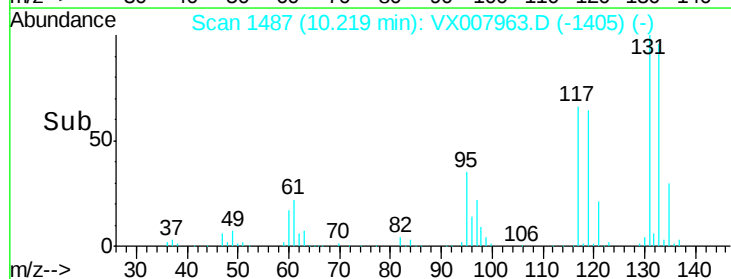
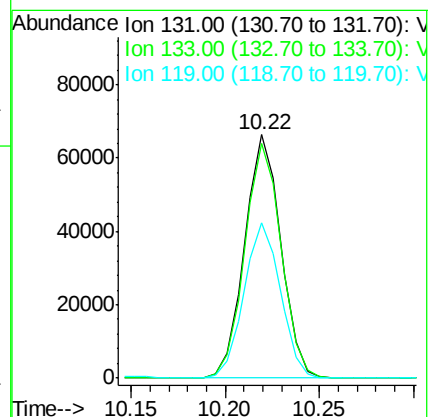
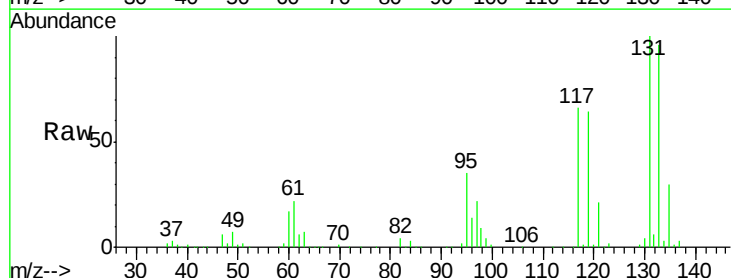
Tgt Ion:131 Resp: 88330

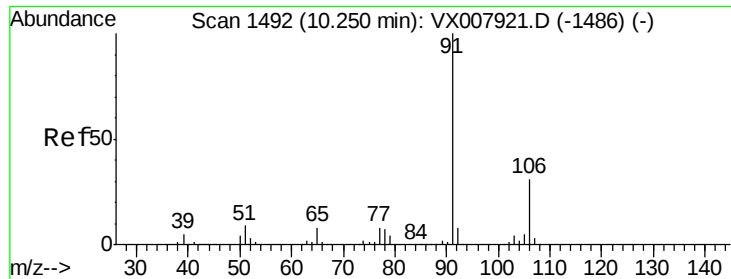
Ion Ratio Lower Upper

131 100

133 97.0 0.0 191.6

119 64.5 0.0 127.4





#66

Ethyl Benzene

Concen: 23.103 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampled :

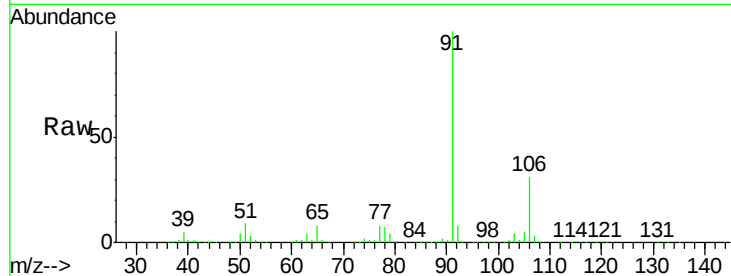
VX0311WBS01

Tot Ion: 91 Resp: 403079

Ion Ratio Lower Upper

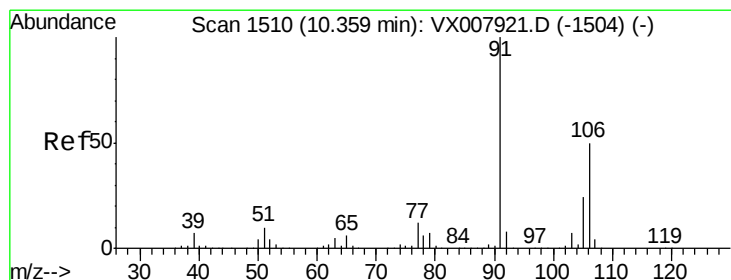
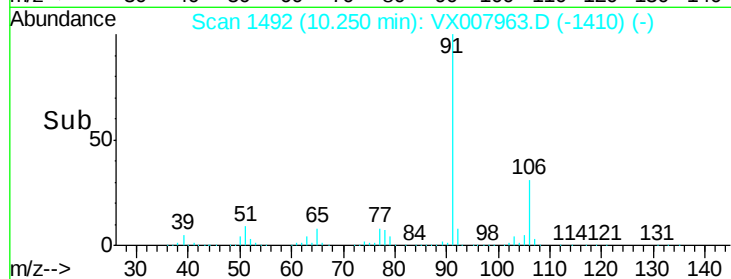
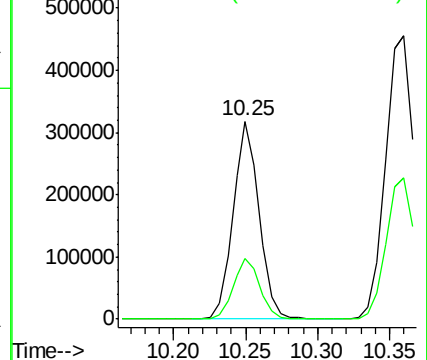
91 100

106 31.0 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#67

m/p-Xylenes

Concen: 46.556 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007963.D

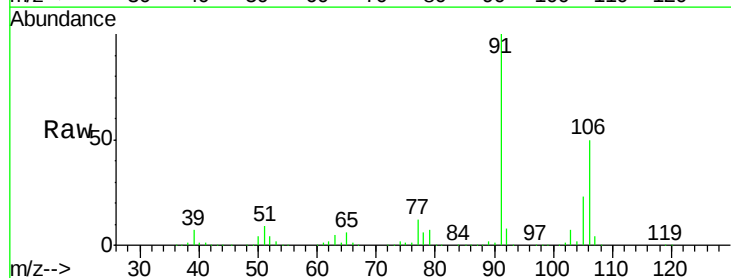
Acq: 11 Mar 2019 11:44

Tgt Ion: 106 Resp: 311457

Ion Ratio Lower Upper

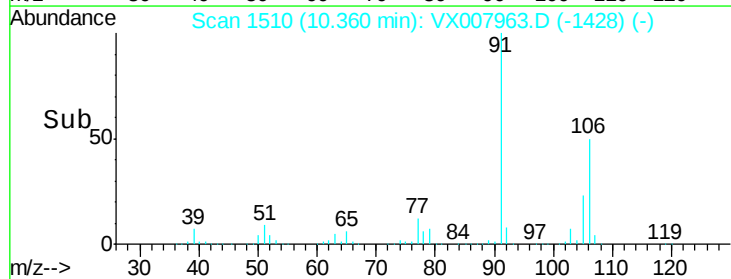
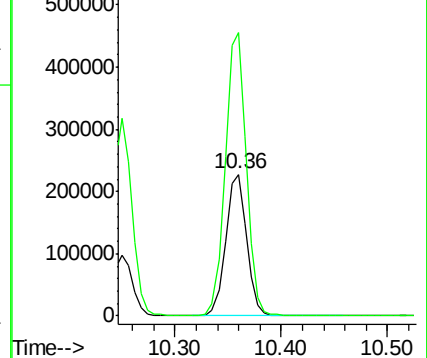
106 100

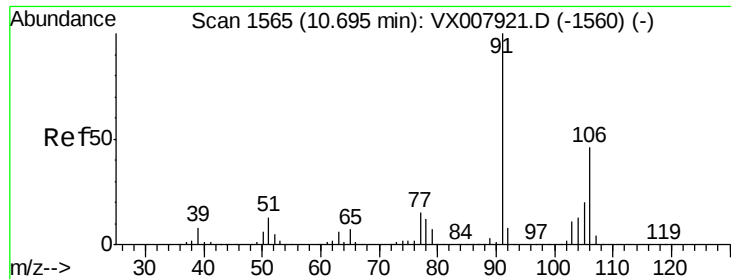
91 201.6 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

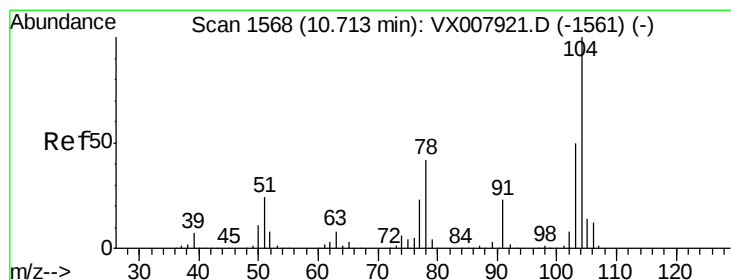
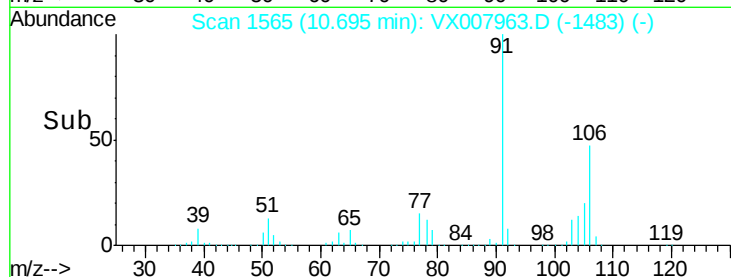
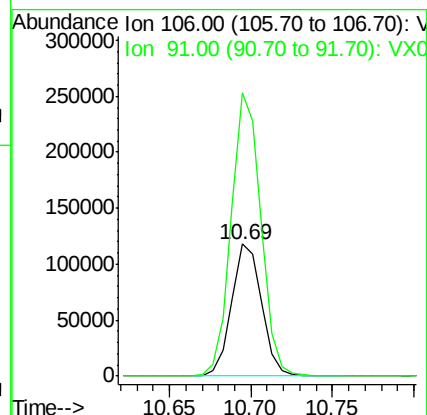
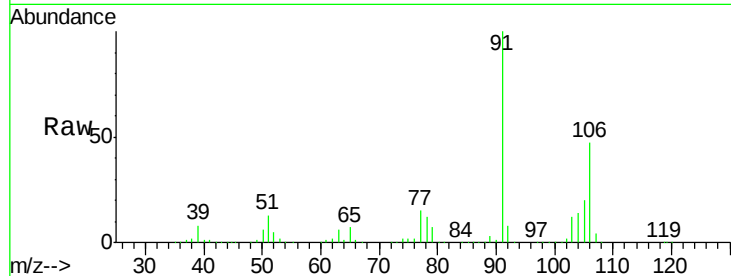




#68
o-Xylene
Concen: 23.144 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

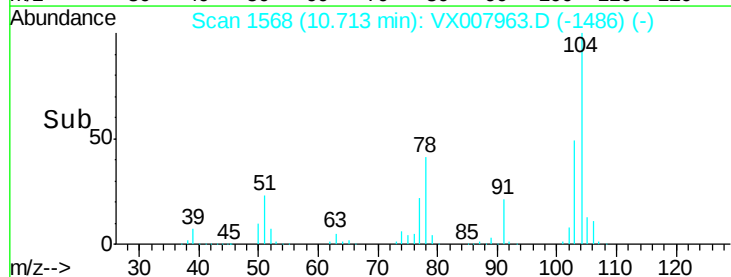
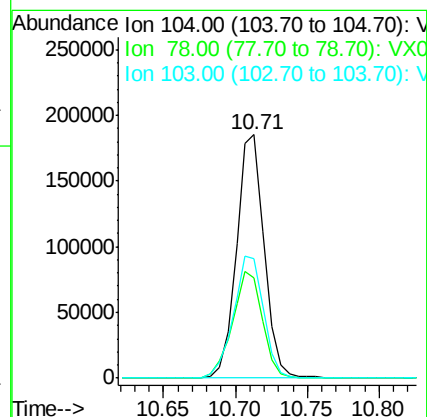
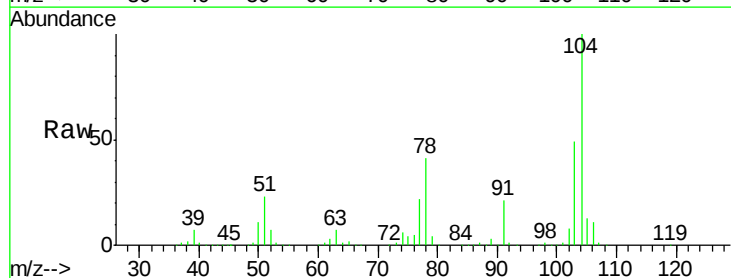
Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

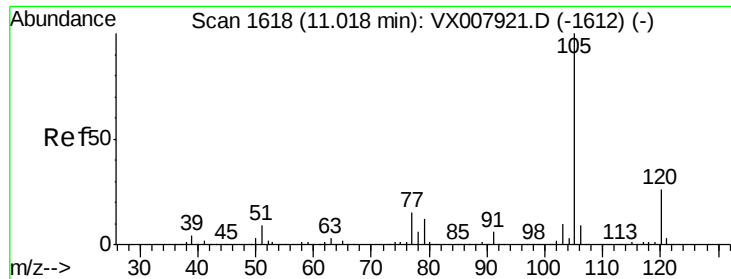
Tot Ion:106 Resp: 150345
Ion Ratio Lower Upper
106 100
91 212.0 104.4 313.2



#69
Styrene
Concen: 23.283 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion:104 Resp: 249217
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.1 45.0 67.4





#70

Isopropylbenzene

Concen: 23.717 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

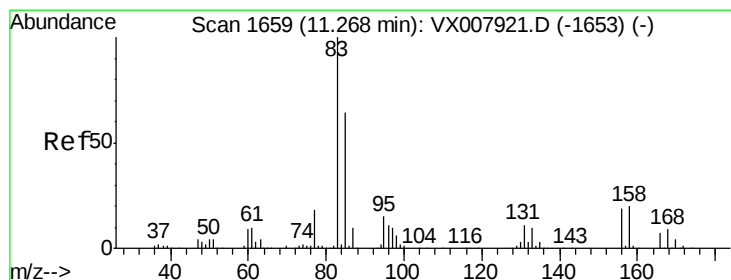
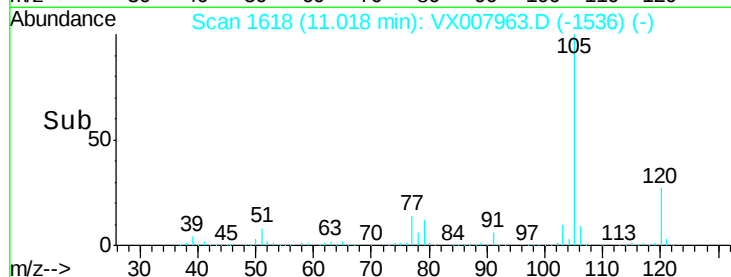
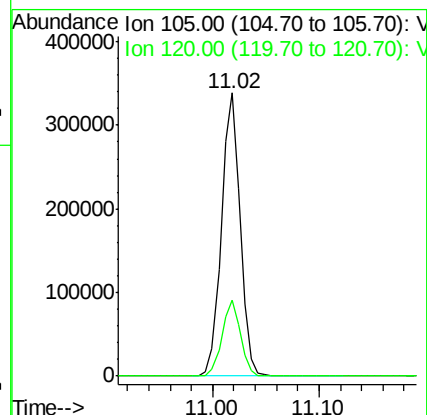
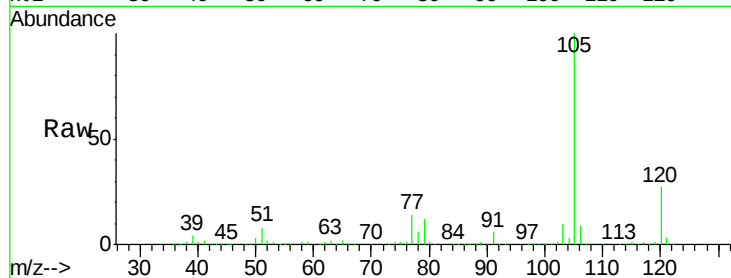
VX0311WBS01

Tot Ion:105 Resp: 411682

Ion Ratio Lower Upper

105 100

120 26.6 19.8 36.8



#71

1,1,2,2-Tetrachloroethane

Concen: 22.393 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

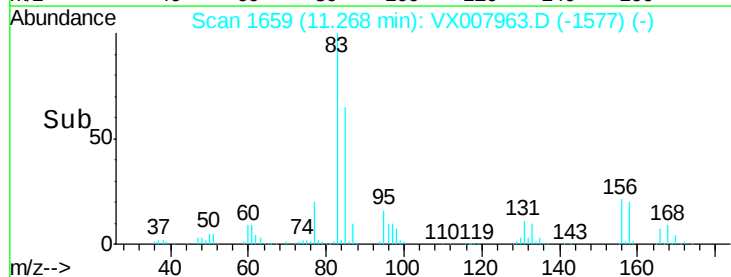
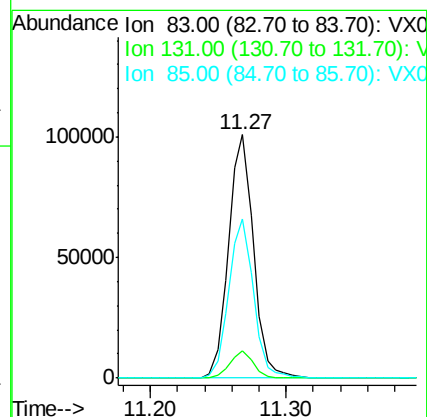
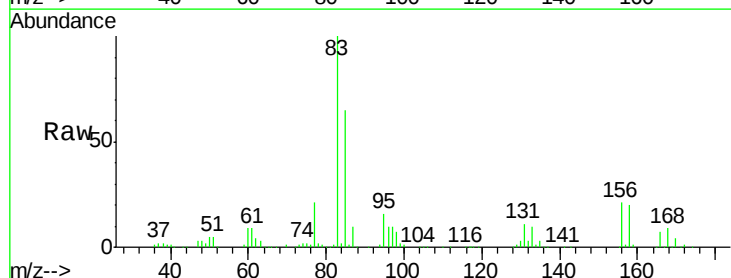
Tgt Ion: 83 Resp: 128380

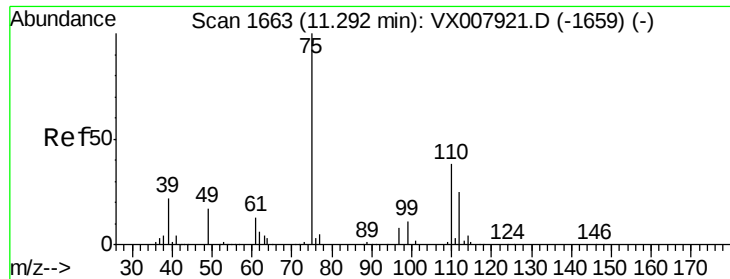
Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

85 65.2 32.8 98.4





#72

1,2,3-Trichloropropane

Concen: 28.053 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

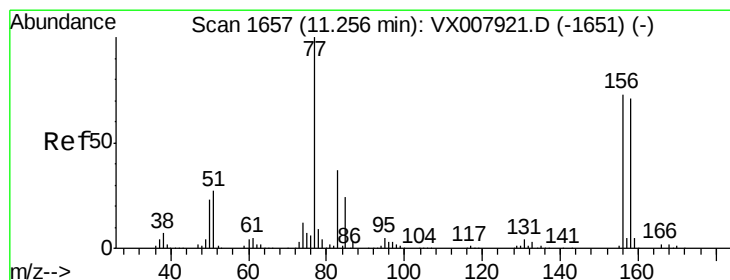
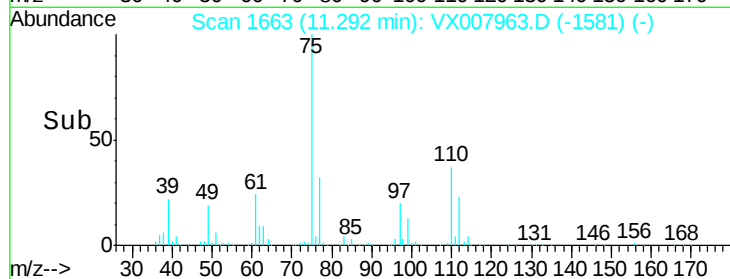
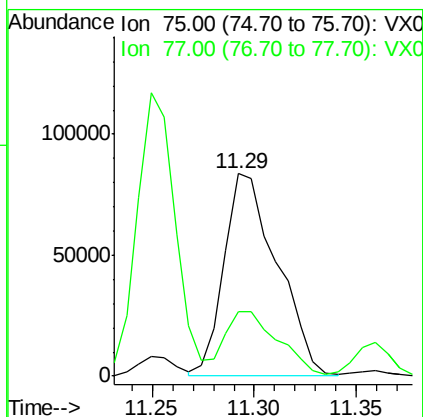
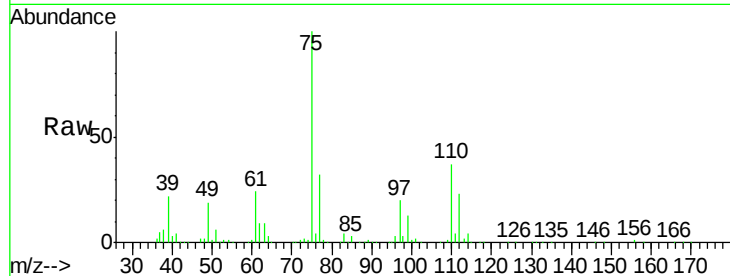
VX0311WBS01

Tot Ion: 75 Resp: 151593

Ion Ratio Lower Upper

75 100

77 32.5 0.0 76.4



#73

Bromobenzene

Concen: 23.553 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

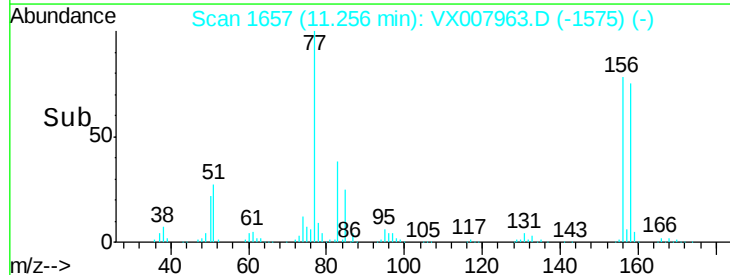
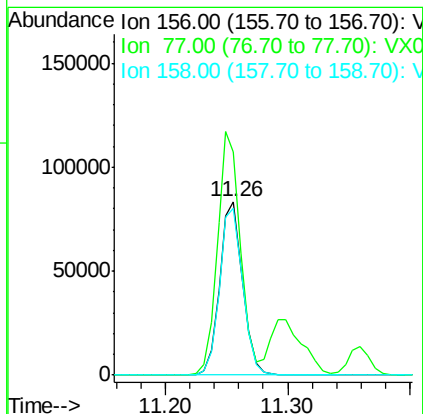
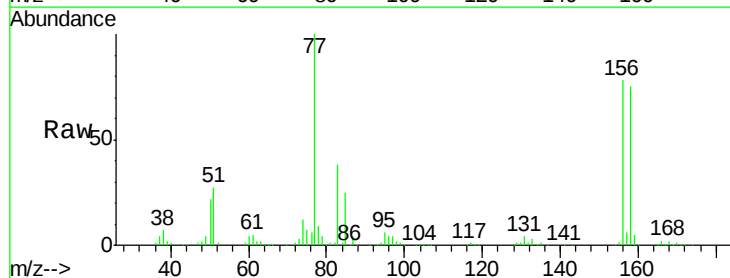
Tgt Ion: 156 Resp: 108695

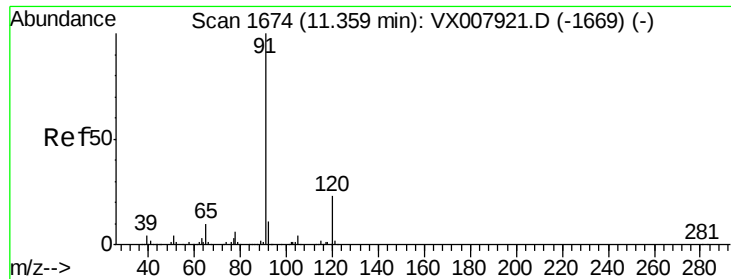
Ion Ratio Lower Upper

156 100

77 139.3 0.0 271.4

158 97.3 0.0 194.0





#74

n-propylbenzene

Concen: 23.226 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

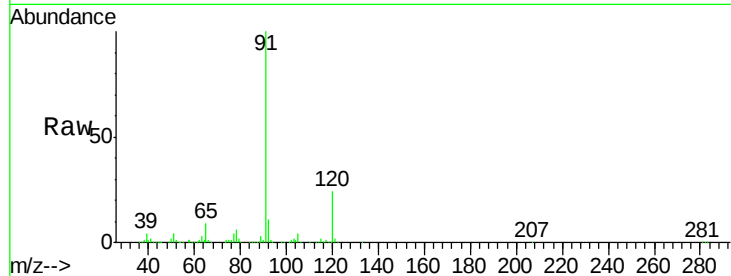
VX0311WBS01

Tot Ion: 91 Resp: 454774

Ion Ratio Lower Upper

91 100

120 24.1 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

400000

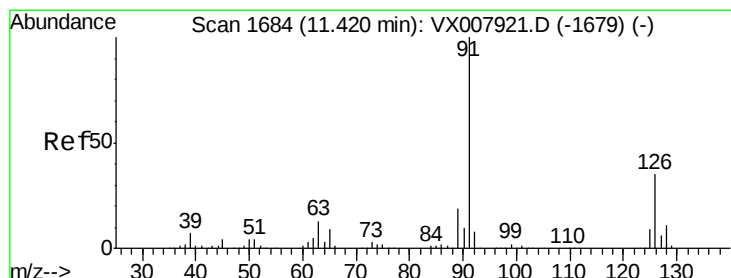
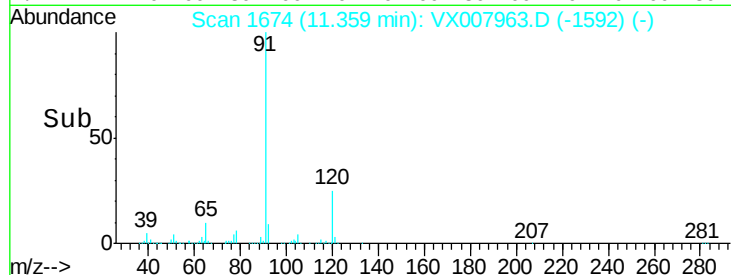
300000

200000

100000

0

Time--> 11.30 11.35 11.40



#75

2-Chlorotoluene

Concen: 23.195 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007963.D

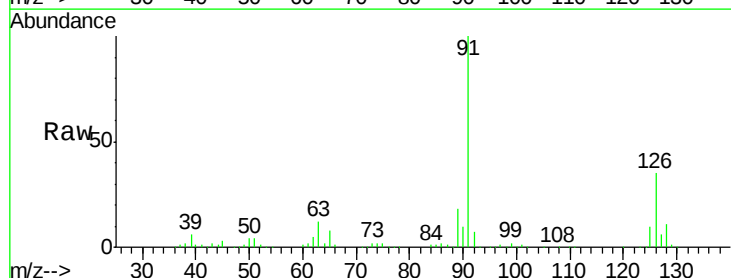
Acq: 11 Mar 2019 11:44

Tgt Ion: 91 Resp: 272218

Ion Ratio Lower Upper

91 100

126 35.1 0.0 75.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

11.42

400000

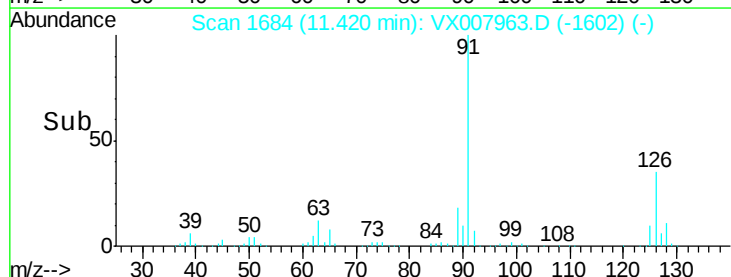
300000

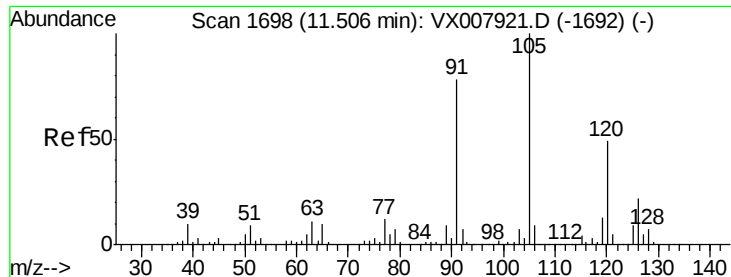
200000

100000

0

Time--> 11.40 11.45

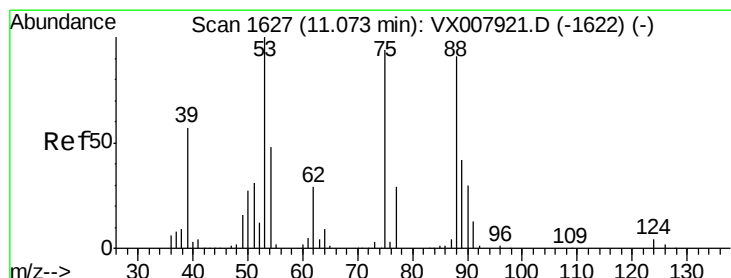
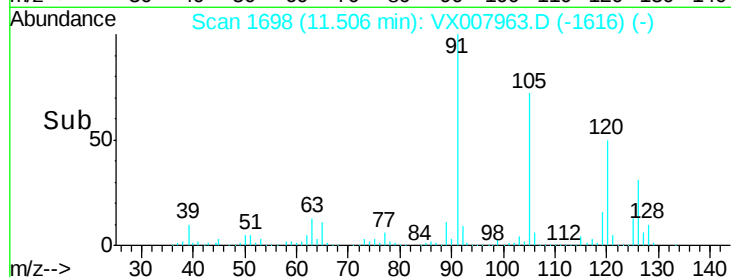
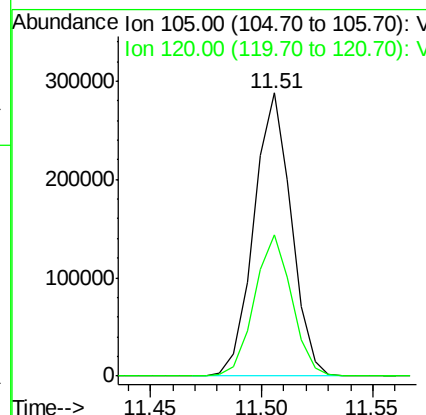
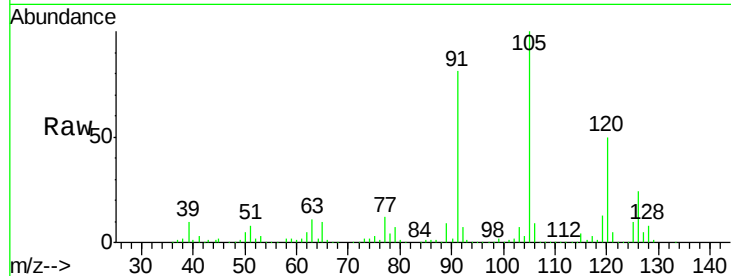




#76
 1,3,5-Trimethylbenzene
 Concen: 23.430 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

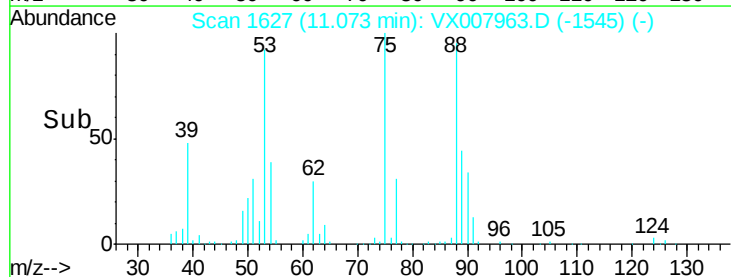
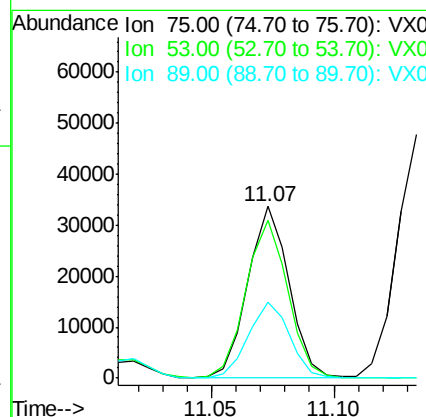
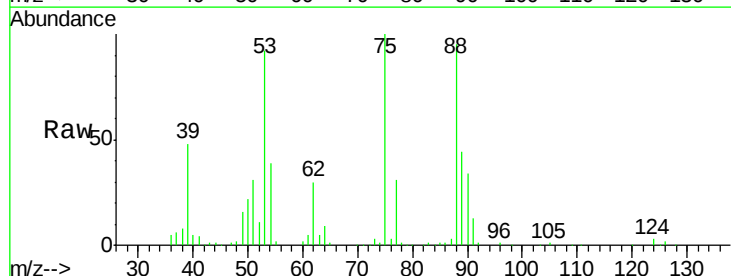
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS01

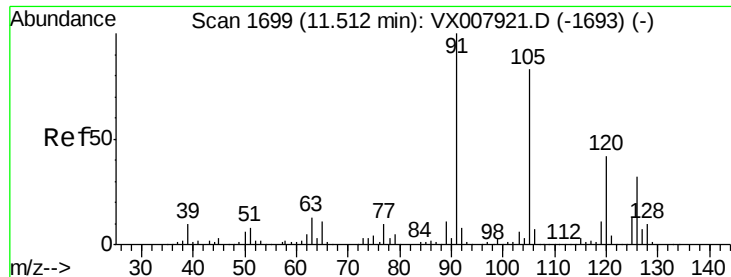
Tot Ion:105 Resp: 337063
 Ion Ratio Lower Upper
 105 100
 120 49.7 0.0 101.0



#77
 t-1,4-Dichloro-2-butene
 Concen: 23.485 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion: 75 Resp: 39212
 Ion Ratio Lower Upper
 75 100
 53 91.7 55.5 166.7
 89 43.9 24.4 73.2

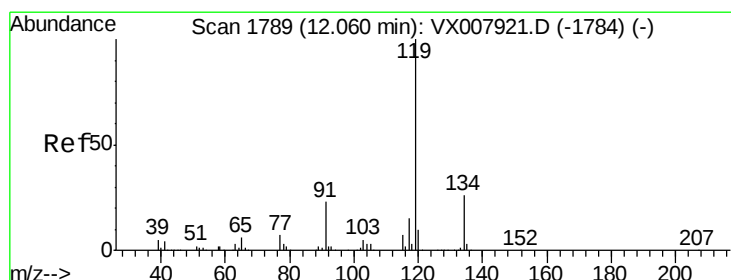
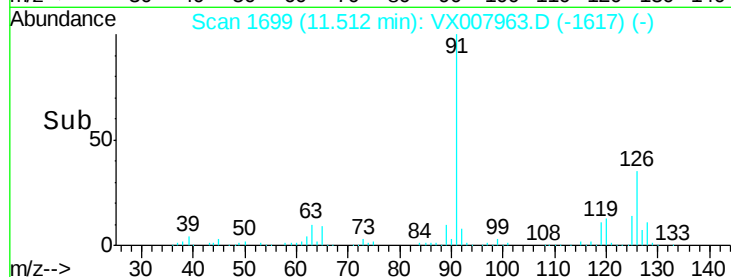
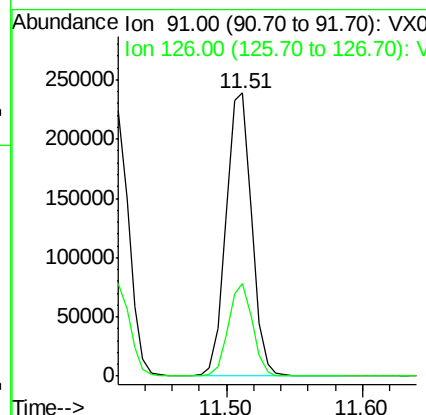
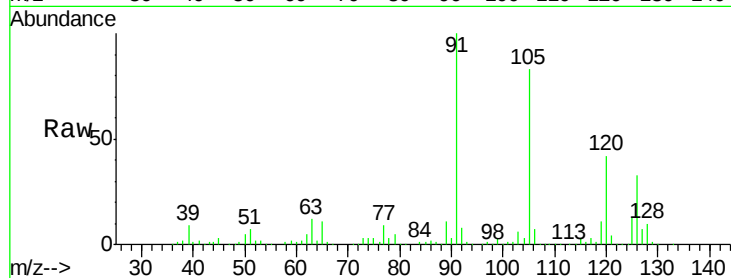




#78
4-Chlorotoluene
Concen: 23.406 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

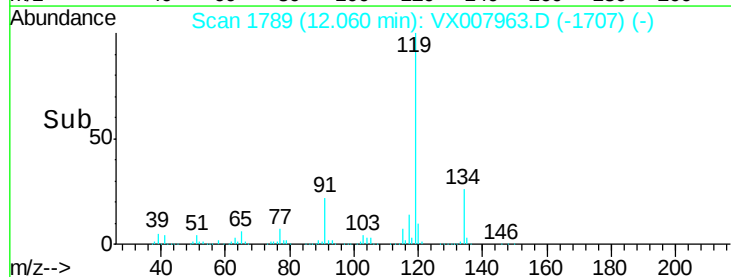
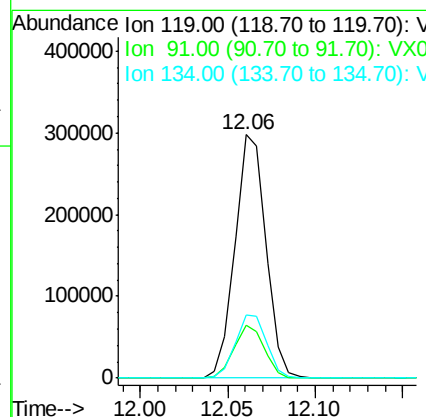
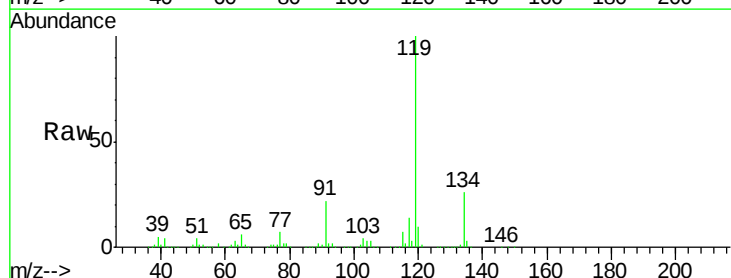
Instrument :
MSVOA_X
ClientSampled :
VX0311WBS01

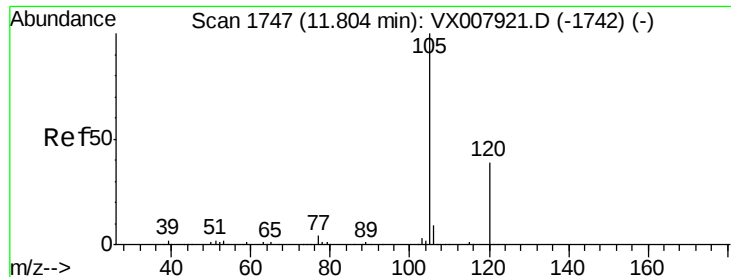
Tot Ion: 91 Resp: 310582
Ion Ratio Lower Upper
91 100
126 30.8 0.0 66.2



#79
tert-butylbenzene
Concen: 23.693 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion: 119 Resp: 365770
Ion Ratio Lower Upper
119 100
91 21.3 0.0 45.0
134 26.2 0.0 55.4





#80

1,2,4-Trimethylbenzene

Concen: 23.515 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

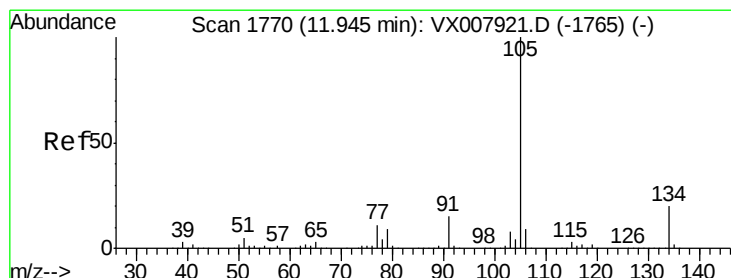
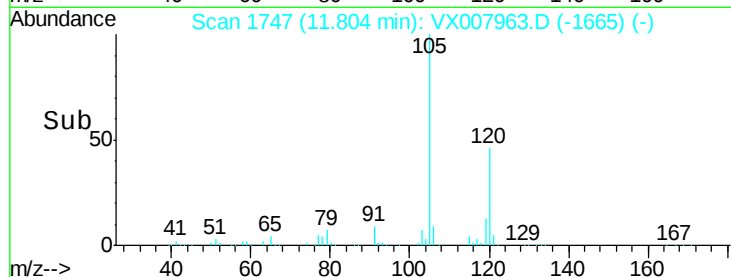
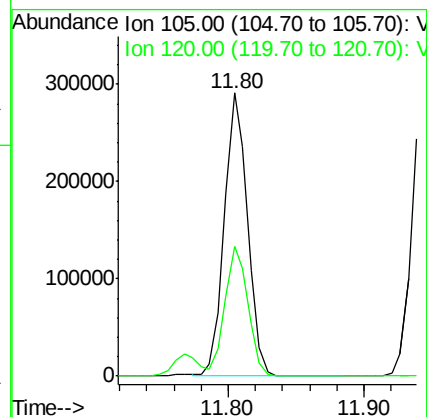
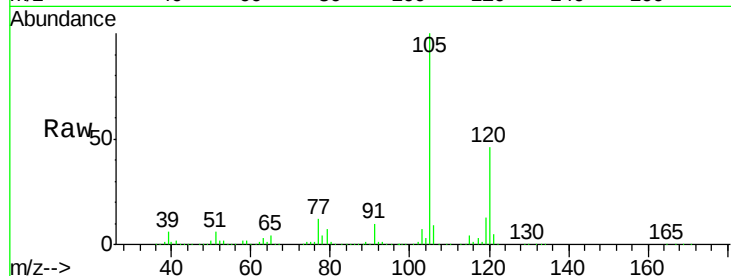
VX0311WBS01

Tot Ion:105 Resp: 343329

Ion Ratio Lower Upper

105 100

120 44.9 0.0 94.0



#81

sec-Butylbenzene

Concen: 23.373 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007963.D

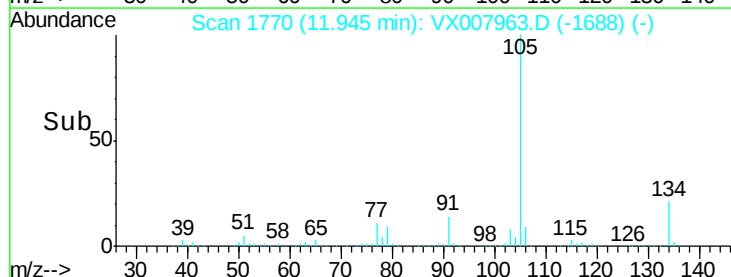
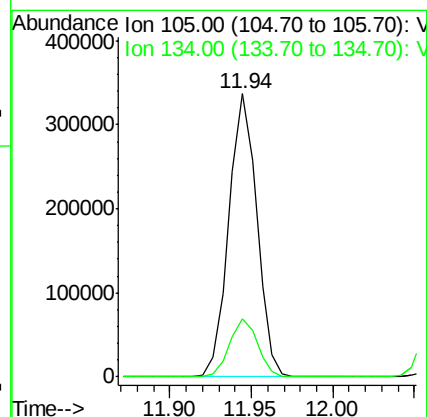
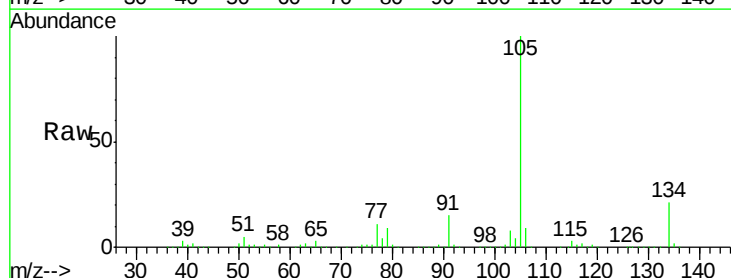
Acq: 11 Mar 2019 11:44

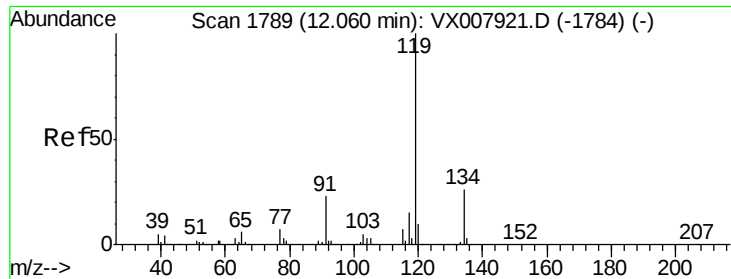
Tgt Ion:105 Resp: 404173

Ion Ratio Lower Upper

105 100

134 20.6 0.0 41.8

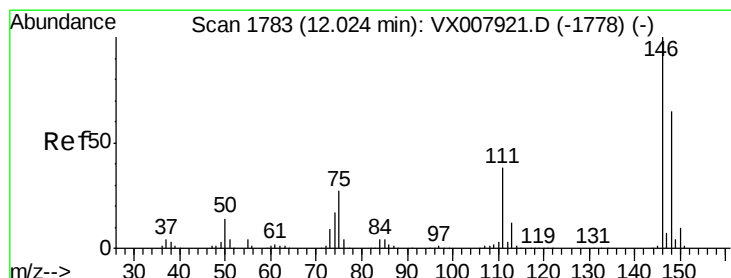
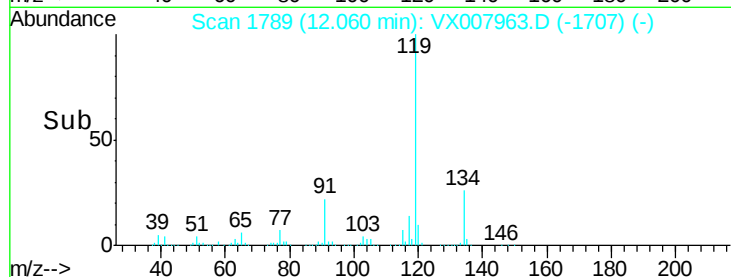
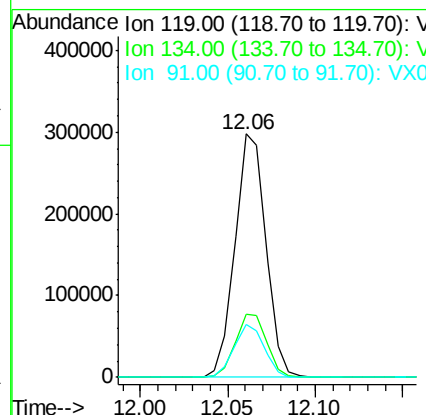
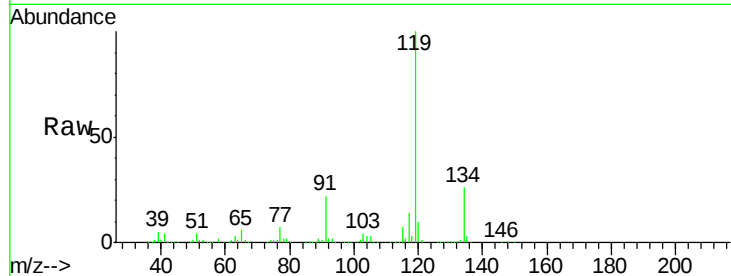




#82
 p-Isopropyltoluene
 Concen: 23.693 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

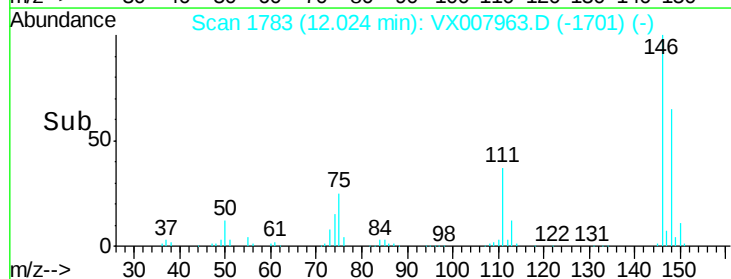
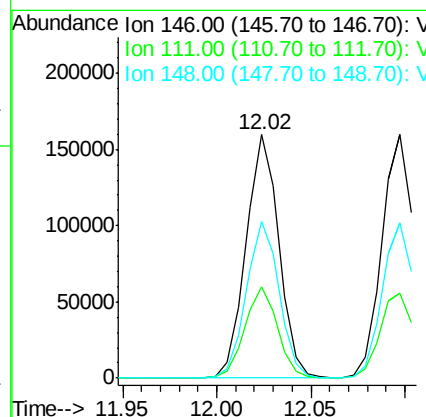
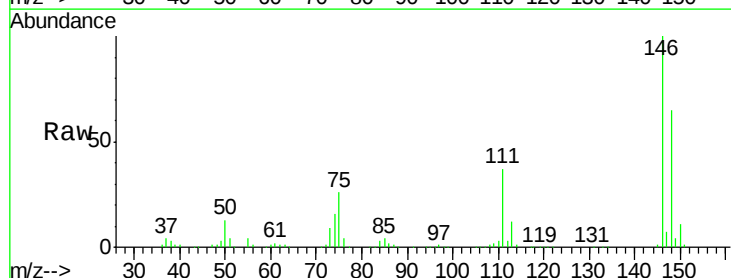
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS01

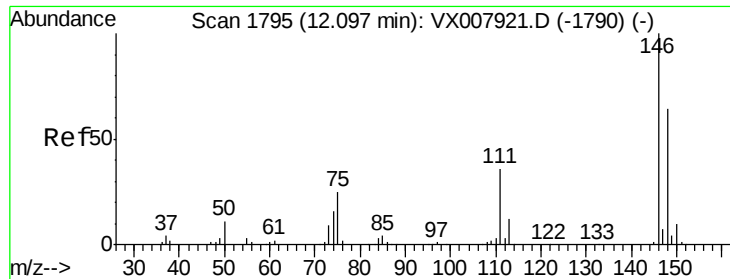
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	55.4
91	21.3	0.0	45.0



#83
 1,3-Dichlorobenzene
 Concen: 23.462 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.3
148	64.4	30.6	91.8





#84

1,4-Dichlorobenzene

Concen: 23.379 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS01

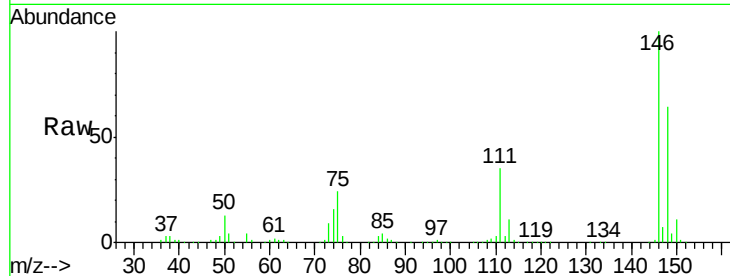
Tot Ion:146 Resp: 192187

Ion Ratio Lower Upper

146 100

111 36.2 17.6 52.8

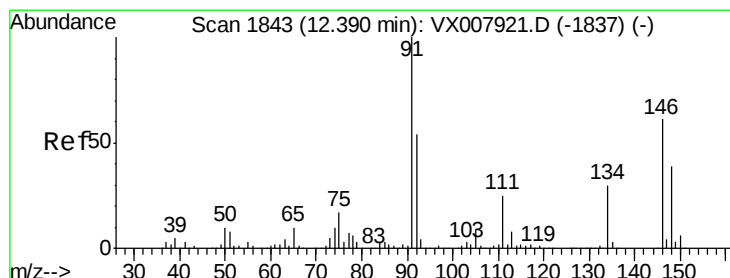
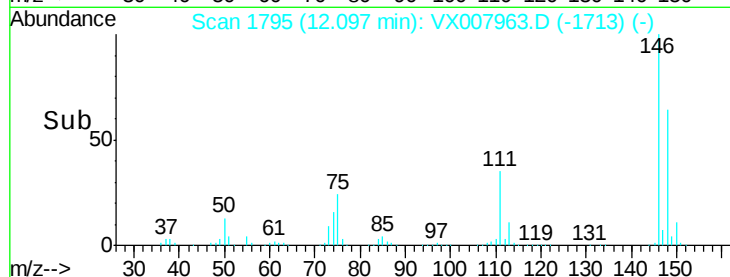
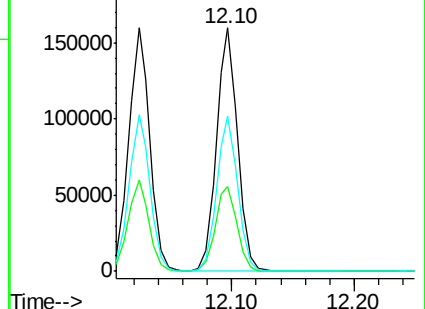
148 63.6 31.4 94.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 23.242 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

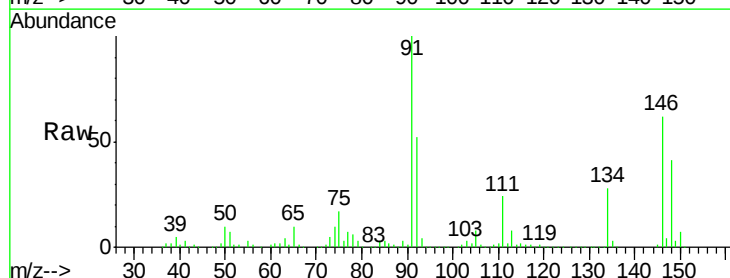
Tgt Ion: 91 Resp: 306855

Ion Ratio Lower Upper

91 100

92 52.5 0.0 105.2

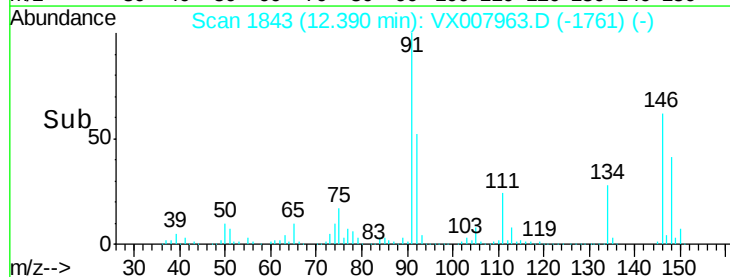
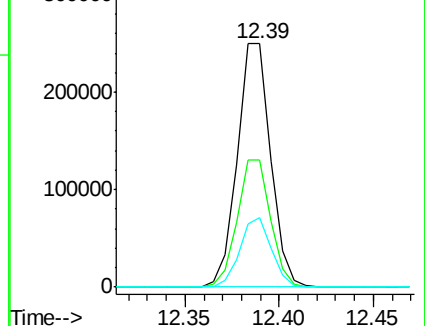
134 27.1 0.0 56.4

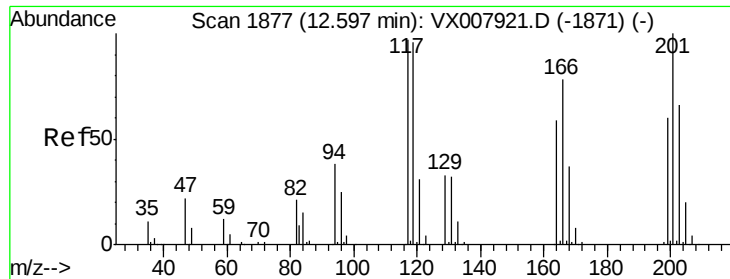


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

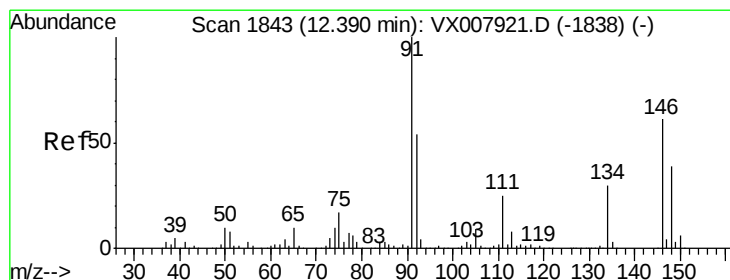
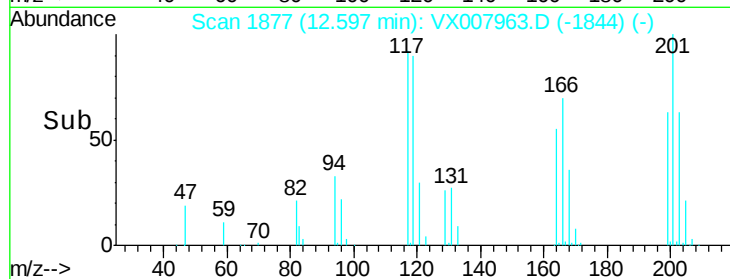
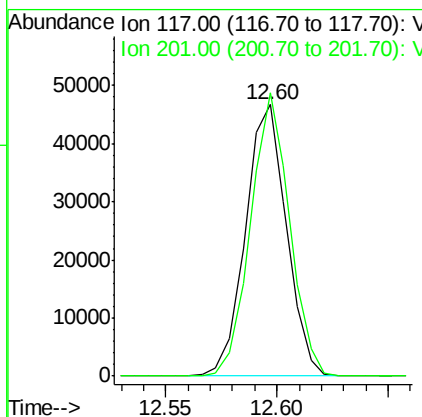
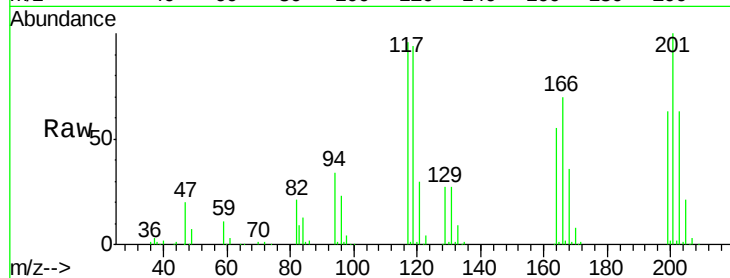




#86
 Hexachloroethane
 Concen: 23.843 ug/l
 RT: 12.60 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

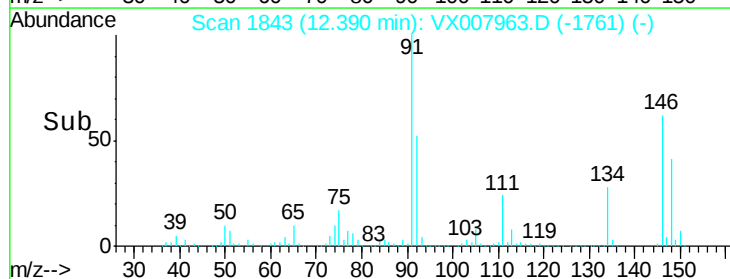
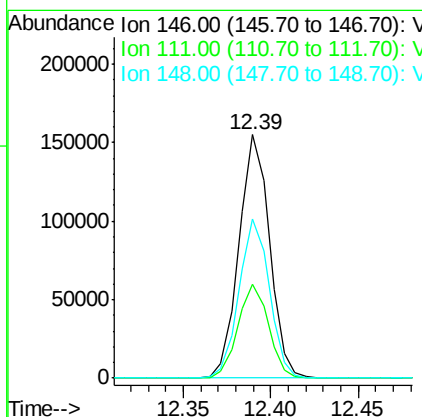
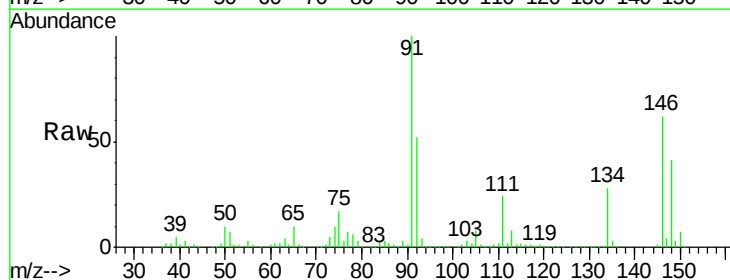
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS01

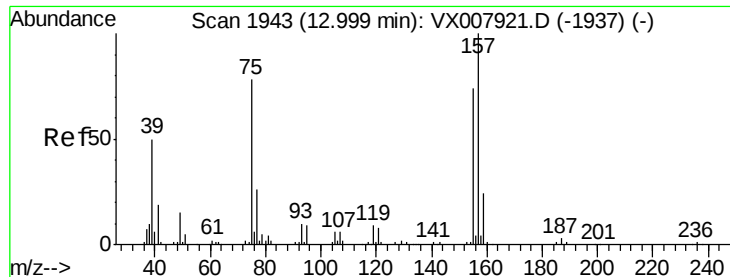
Tot Ion:117 Resp: 59974
 Ion Ratio Lower Upper
 117 100
 201 98.8 41.1 123.3



#87
 1,2-Dichlorobenzene
 Concen: 23.306 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Tgt Ion:146 Resp: 189242
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.8
 148 64.9 32.1 96.3





#88

1,2-Dibromo-3-Chloropropane

Concen: 22.950 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS01

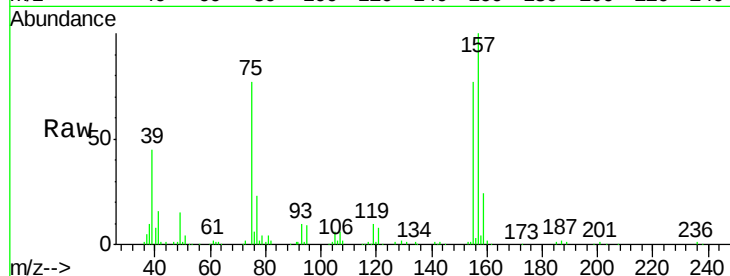
Tot Ion: 75 Resp: 26875

Ion Ratio Lower Upper

75 100

155 101.1 81.0 121.6

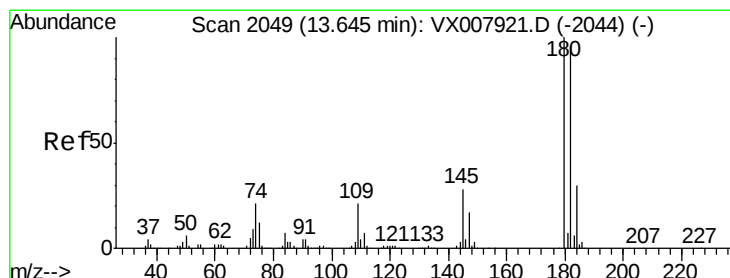
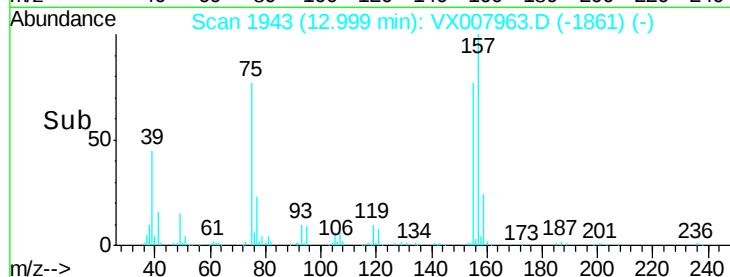
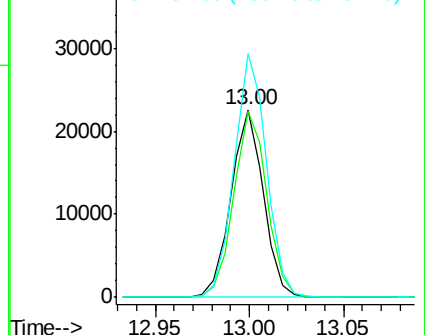
157 129.4 103.2 154.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#89

1,2,4-Trichlorobenzene

Concen: 23.414 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX007963.D

Acq: 11 Mar 2019 11:44

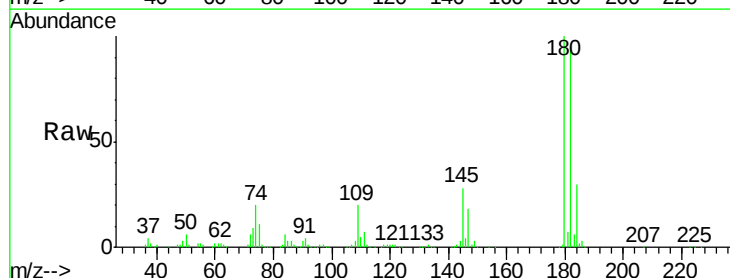
Tgt Ion: 180 Resp: 136638

Ion Ratio Lower Upper

180 100

182 94.8 75.6 113.4

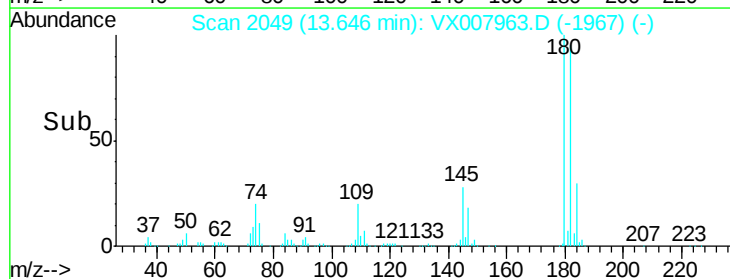
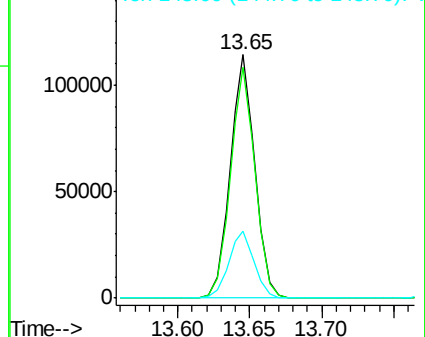
145 28.3 23.0 34.6

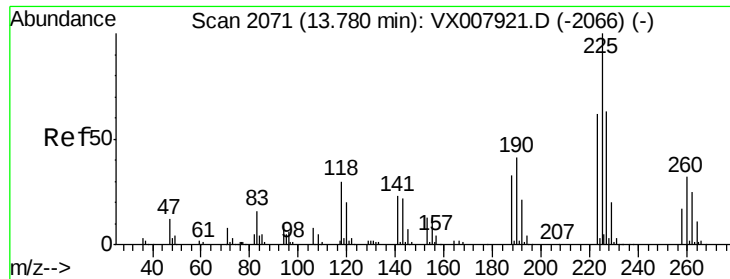


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

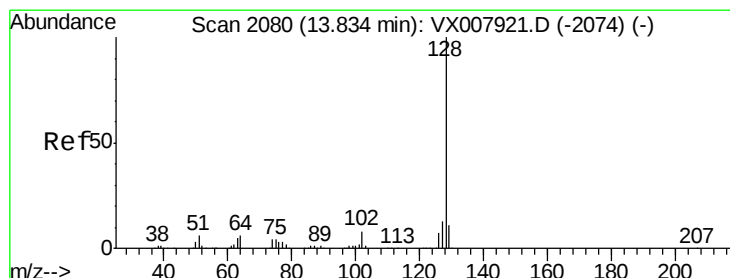
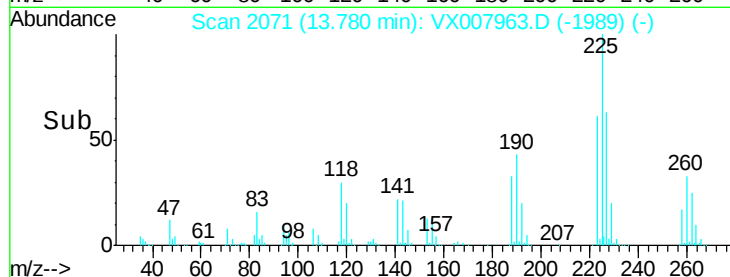
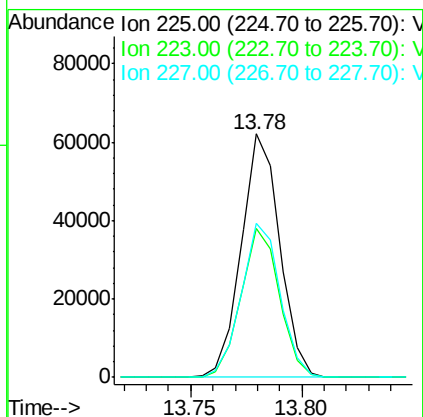
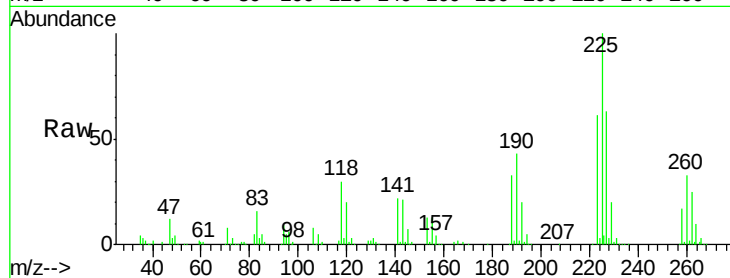




#90
Hexachlorobutadiene
Concen: 23.286 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

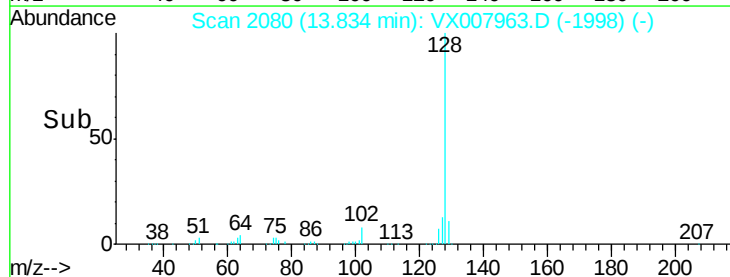
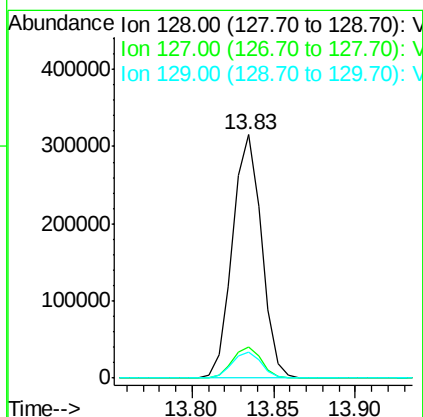
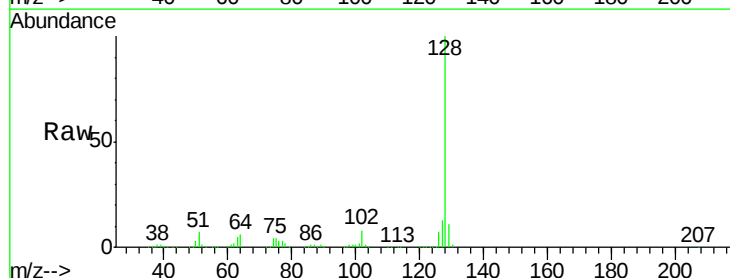
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

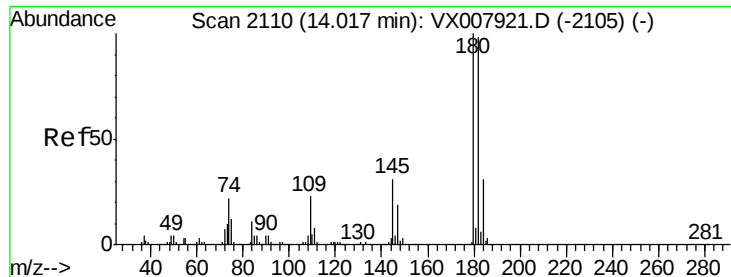
Tot Ion:225 Resp: 74946
Ion Ratio Lower Upper
225 100
223 61.4 0.0 123.8
227 64.0 0.0 124.4



#91
Naphthalene
Concen: 23.288 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007963.D
Acq: 11 Mar 2019 11:44

Tgt Ion:128 Resp: 389566
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.9 8.9 13.3

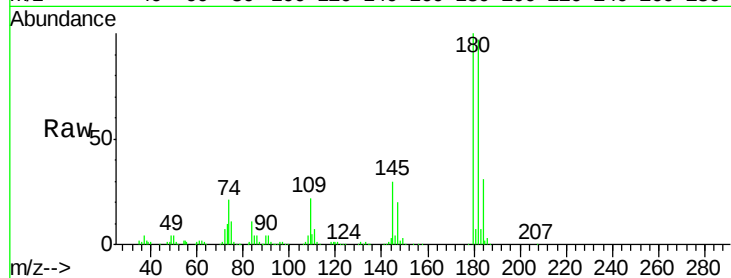




#92
 1,2,3-Trichlorobenzene
 Concen: 23.153 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX007963.D
 Acq: 11 Mar 2019 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	0.0	193.0
145	29.7	0.0	63.0



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

