

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031819\
 Data File : VX008161.D
 Acq On : 18 Mar 2019 11:42
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 18 12:03:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 11:50:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	56148	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	317056	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	273802	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	137429	28.61	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.37%
60) 4-Bromofluorobenzene	11.13	95	137157	29.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.30%
63) Toluene-d8	8.71	98	400387	29.80	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.33%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	232713	94.928	ug/l 97
3) Chloromethane	1.32	50	274924	90.673	ug/l 96
4) Vinyl Chloride	1.41	62	285869	91.008	ug/l 98
5) Bromomethane	1.64	94	256156	123.351	ug/l 100
6) Chloroethane	1.71	64	172884	91.362	ug/l 99
7) Trichlorofluoromethane	1.93	101	359877	94.102	ug/l 98
8) Diethyl Ether	2.19	74	207539	94.069	ug/l 82
9) 1,1,2-Trichlorotrifluoroet	2.38	101	259058	94.997	ug/l 92
10) 1,1-Dichloroethene	2.37	96	250576	96.998	ug/l 85
11) Methyl Iodide	2.51	142	342043	112.100	ug/l 98
12) Methyl Acetate	2.78	43	417960	97.214	ug/l 93
13) Acrolein	2.29	56	292246	480.959	ug/l 98
14) Acrylonitrile	3.15	53	906836	480.794	ug/l 99
15) Acetone	2.45	58	279009	419.364	ug/l 89
16) Carbon Disulfide	2.57	76	800541	98.362	ug/l 99
17) Allyl chloride	2.73	41	560178	102.397	ug/l 93
18) Methylene Chloride	2.85	84	282945	93.130	ug/l 86
19) trans-1,2-Dichloroethene	3.17	96	268877	96.864	ug/l 89
20) Diisopropyl ether	3.86	45	1075146	97.701	ug/l # 95
21) 1,1-Dichloroethane	3.70	63	549500	97.174	ug/l 96
23) tert-Butyl Alcohol	3.06	59	336392	483.178	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	920573	98.643	ug/l 98
25) Chloroform	5.21	83	512618	94.822	ug/l 96
26) Cyclohexane	5.58	56	531465	101.147	ug/l # 85
29) 1,1-Dichloropropene	5.81	75	407615	100.744	ug/l 93
30) 2-Butanone	4.68	43	1372959	448.682	ug/l 95
31) 2,2-Dichloropropane	4.59	77	420602	104.067	ug/l 93
32) 1,1,1-Trichloroethane	5.49	97	431207	99.460	ug/l 96
33) Carbon Tetrachloride	5.79	117	365900	103.349	ug/l 96
34) Benzene	6.14	78	1199101	97.312	ug/l # 96
35) Methacrylonitrile	5.04	41	279753	100.257	ug/l 93
36) 1,2-Dichloroethane	6.20	62	427808	94.378	ug/l 97
37) Trichloroethene	7.21	130	286340	98.689	ug/l 87
38) Methylcyclohexane	7.46	83	495033	101.384	ug/l 90
39) 1,2-Dichloropropane	7.51	63	328179	97.946	ug/l 100
40) Dibromomethane	7.66	93	198503	96.924	ug/l 90
41) Bromodichloromethane	7.90	83	394187	100.160	ug/l 99

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

42) Vinyl Acetate	3.82	43	4842739	503.405	ug/l #	94
43) Ethyl Acetate	4.84	43	502754	95.972	ug/l #	83
44) Isopropyl Acetate	6.45	43	794420	102.074	ug/l	97
45) 1,4-Dioxane	7.74	88	142683	1925.603	ug/l #	86
46) Methyl methacrylate	7.77	41	417595	101.071	ug/l	88
47) n-amyl Acetate	10.90	43	688637	102.111	ug/l	95
48) t-1,3-Dichloropropene	9.04	75	459115	109.907	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	500683	106.633	ug/l	93
50) 1,1,2-Trichloroethane	9.21	97	284464	96.512	ug/l	96
51) Ethyl methacrylate	9.18	69	476307	101.176	ug/l	91
52) 1,3-Dichloropropane	9.37	76	510907	95.269	ug/l	99
53) Dibromochloromethane	9.58	129	286831	101.926	ug/l	98
54) 1,2-Dibromoethane	9.67	107	300650	95.241	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	1850601	526.814	ug/l	95
56) Bromoform	10.85	173	209566	105.019	ug/l #	98
58) 4-Methyl-2-Pentanone	8.64	43	2519558	483.415	ug/l	96
59) 2-Hexanone	9.49	43	1966716	463.085	ug/l	97
61) Tetrachloroethene	9.34	164	261309	96.897	ug/l	97
62) Toluene	8.79	91	1233158	98.040	ug/l	99
64) Chlorobenzene	10.14	112	737702	98.035	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	269218	104.186	ug/l	97
66) Ethyl Benzene	10.25	91	1345685	101.663	ug/l	96
67) m/p-Xylenes	10.36	106	996649	203.682	ug/l	91
68) o-Xylene	10.69	106	481023	101.867	ug/l	92
69) Styrene	10.71	104	785570	102.460	ug/l	96
70) Isopropylbenzene	11.02	105	1275452	100.122	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	438502	94.393	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	546962	134.489	ug/l	90
73) Bromobenzene	11.26	156	298480	99.305	ug/l	80
74) n-propylbenzene	11.36	91	1541630	103.773	ug/l	95
75) 2-Chlorotoluene	11.42	91	881437	98.734	ug/l	91
76) 1,3,5-Trimethylbenzene	11.51	105	1073048	101.994	ug/l	95
77) t-1,4-Dichloro-2-butene	11.07	75	152182	114.544	ug/l	90
78) 4-Chlorotoluene	11.51	91	1033492	102.190	ug/l	91
79) tert-butylbenzene	12.06	119	1093278	103.832	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	1070383	101.134	ug/l	95
81) sec-Butylbenzene	11.94	105	1268773	101.693	ug/l	96
82) p-Isopropyltoluene	12.06	119	1093278	103.832	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	538253	99.435	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	537093	102.327	ug/l	96
85) n-Butylbenzene	12.39	91	1059746	111.019	ug/l	97
86) Hexachloroethane	12.60	117	189370	106.404	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	538756	100.092	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	103166	106.272	ug/l #	77
89) 1,2,4-Trichlorobenzene	13.65	180	366974	109.023	ug/l	99
90) Hexachlorobutadiene	13.78	225	180652	104.203	ug/l	99
91) Naphthalene	13.83	128	1205803	109.104	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	362644	107.630	ug/l	99

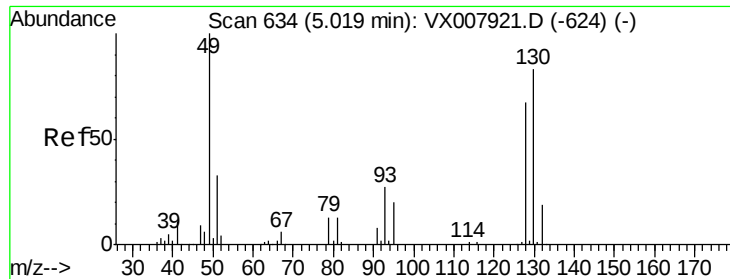
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

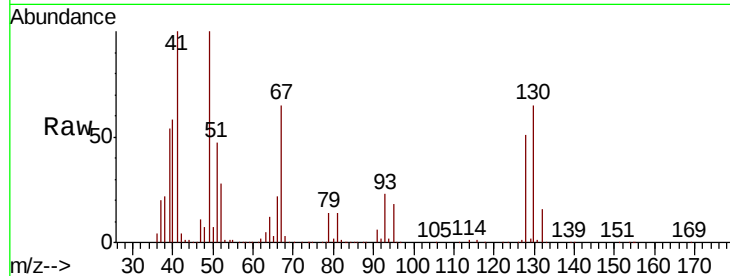
Tgt Ion:128 Resp: 56148

Ion Ratio Lower Upper

128 100

49 199.8 0.0 350.8

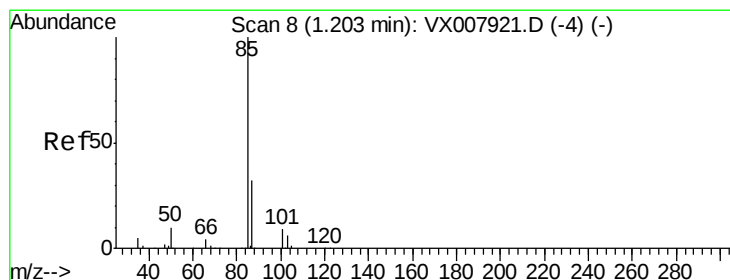
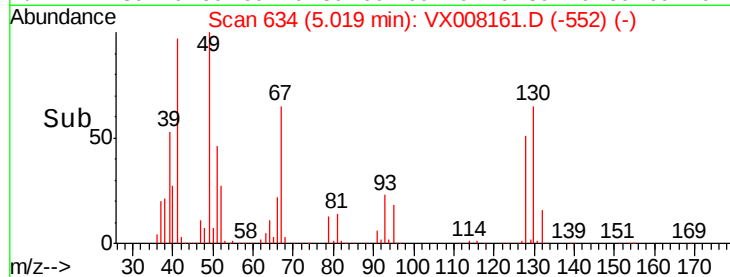
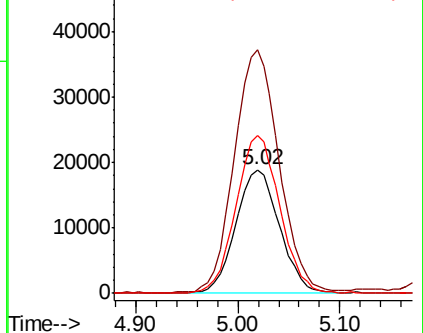
130 128.2 0.0 325.8



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: 94.928 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008161.D

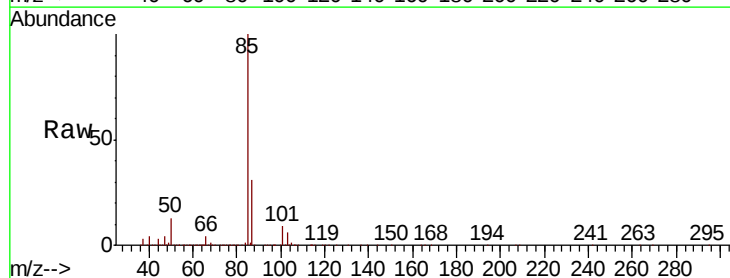
Acq: 18 Mar 2019 11:42

Tgt Ion: 85 Resp: 232713

Ion Ratio Lower Upper

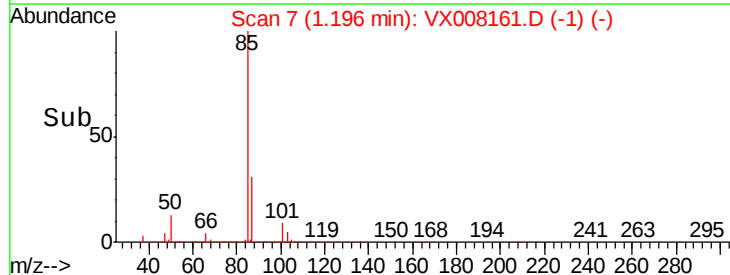
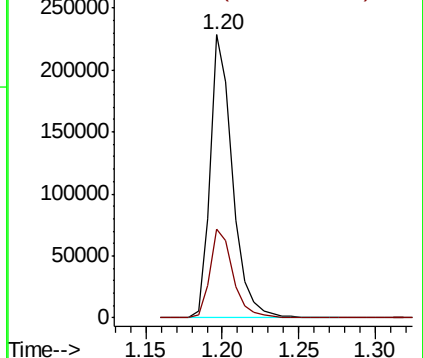
85 100

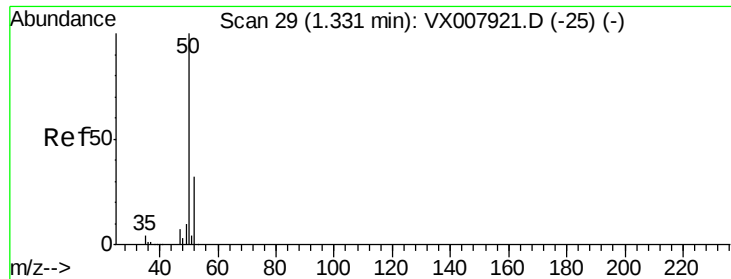
87 31.4 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

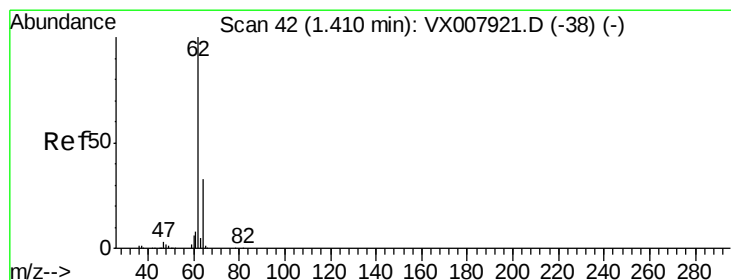
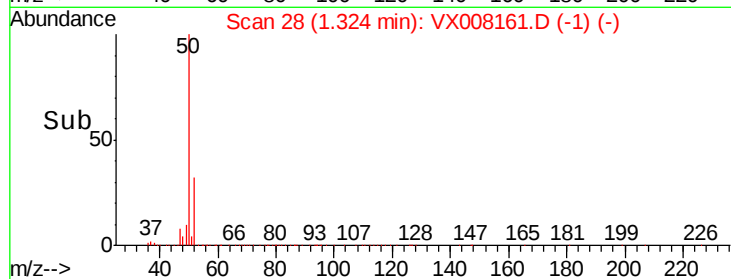
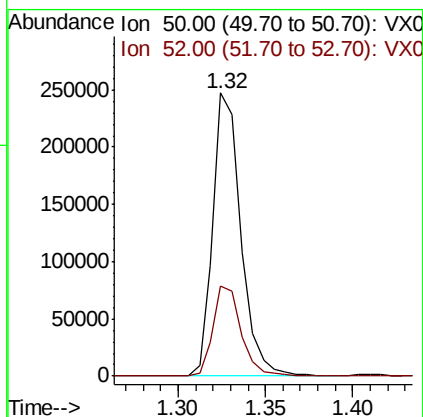
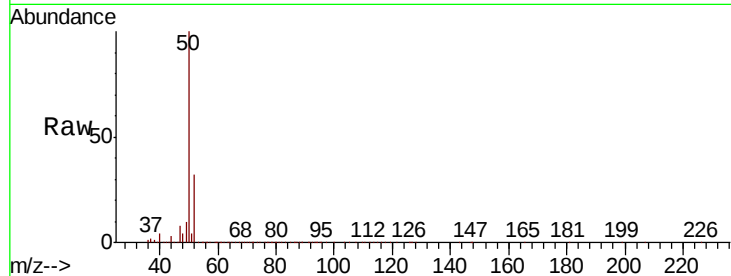




#3
Chloromethane
Concen: 90.673 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.01 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

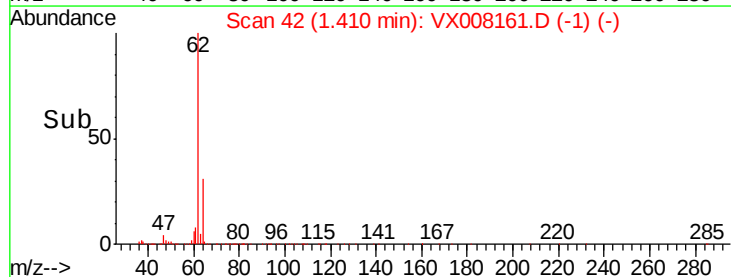
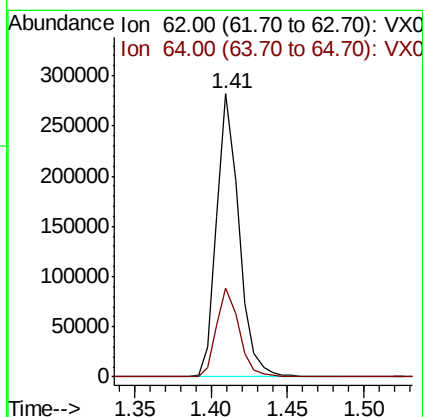
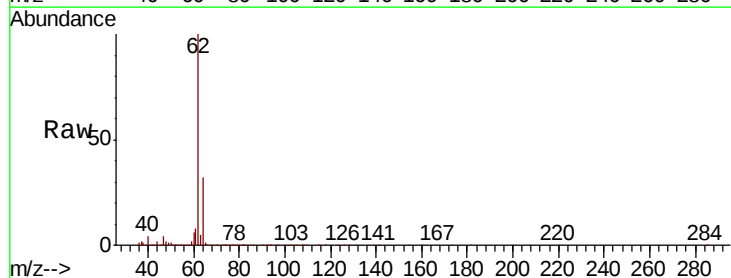
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

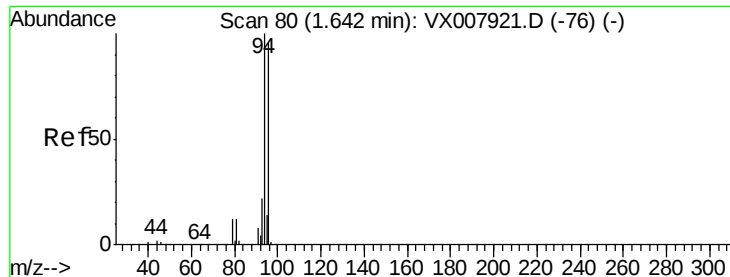
Tgt Ion: 50 Resp: 274924
Ion Ratio Lower Upper
50 100
52 32.0 27.5 41.3



#4
Vinyl Chloride
Concen: 91.008 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

Tgt Ion: 62 Resp: 285869
Ion Ratio Lower Upper
62 100
64 31.5 25.9 38.9





#5

Bromomethane

Concen: 123.351 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

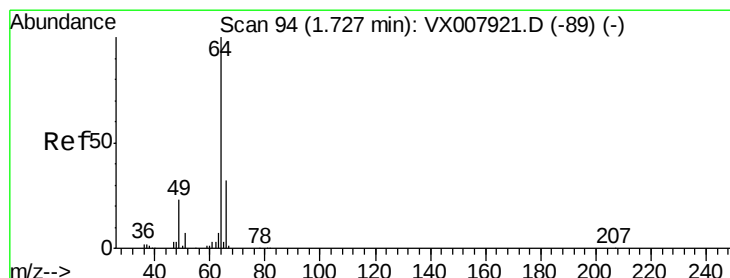
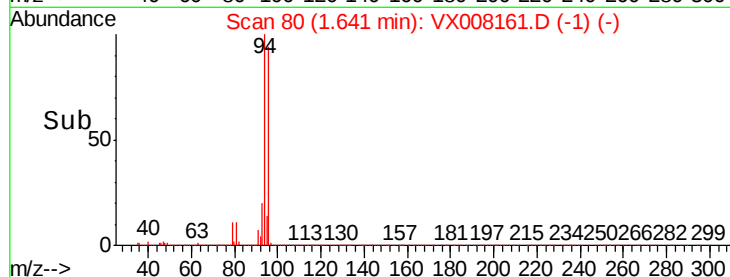
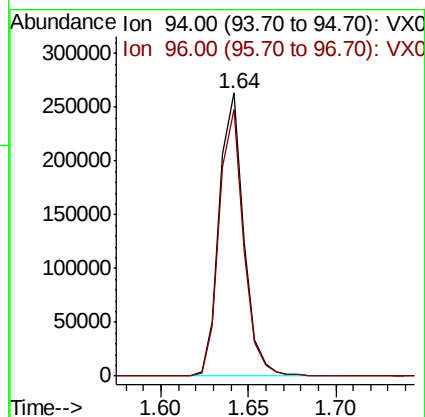
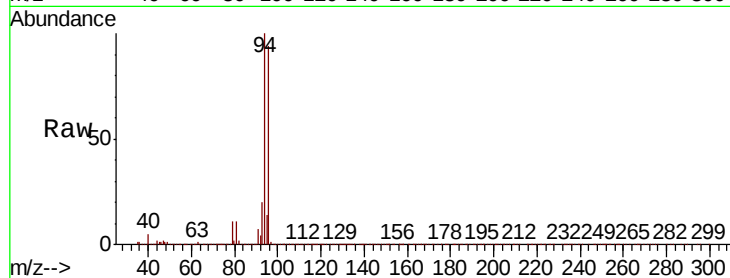
VSTDIC100

Tgt Ion: 94 Resp: 256156

Ion Ratio Lower Upper

94 100

96 94.2 75.6 113.4



#6

Chloroethane

Concen: 91.362 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX008161.D

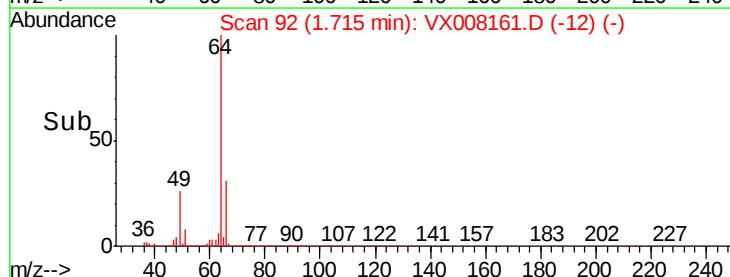
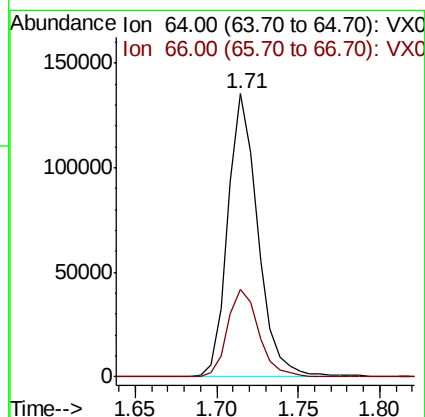
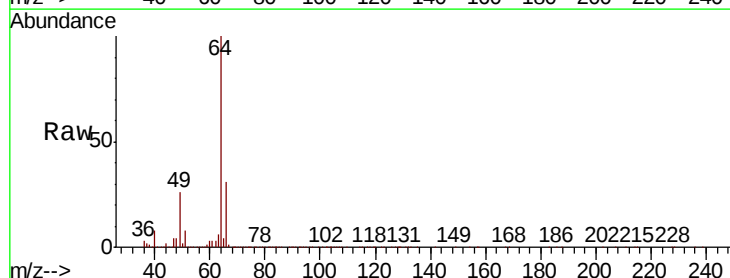
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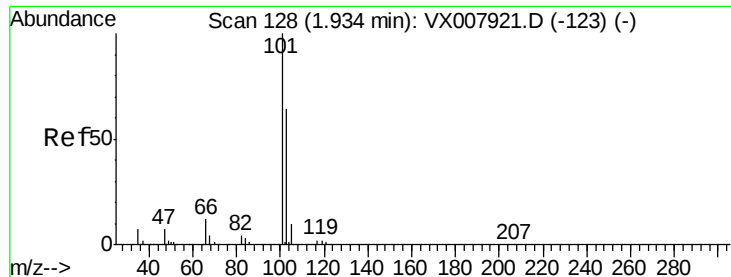
Tgt Ion: 64 Resp: 172884

Ion Ratio Lower Upper

64 100

66 30.7 23.9 35.9



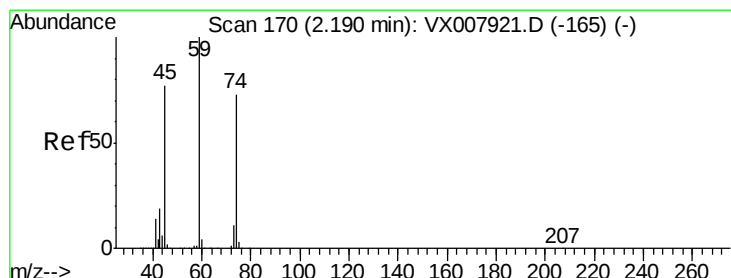
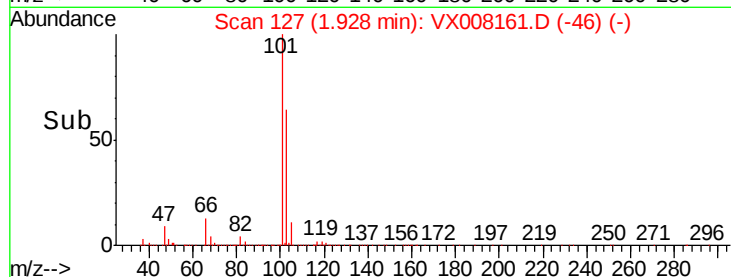
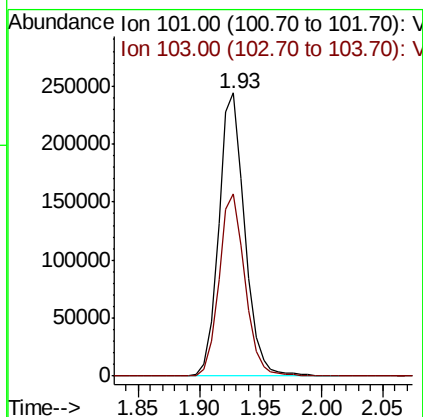
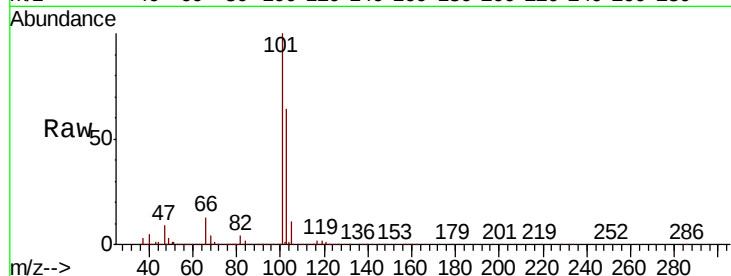


#7

Trichlorofluoromethane
 Concen: 94.102 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.01 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

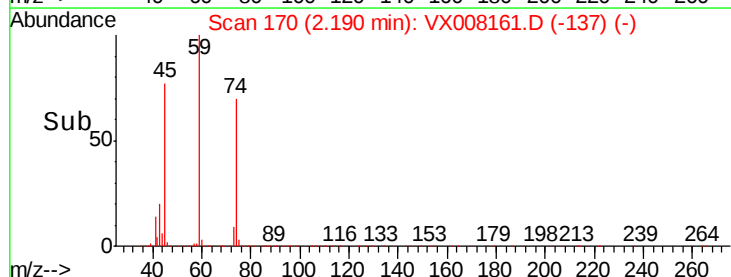
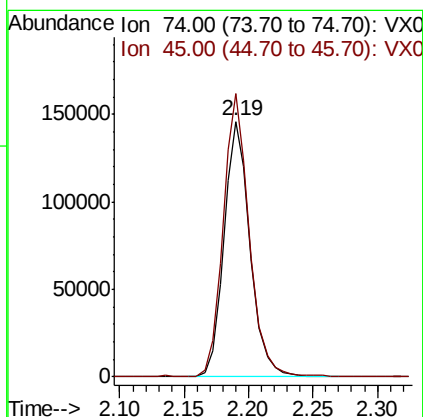
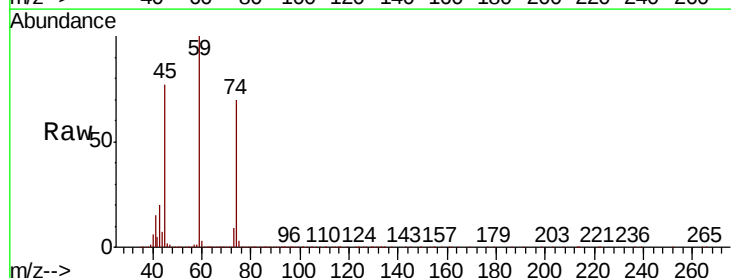
Tgt Ion: 101 Resp: 359877
 Ion Ratio Lower Upper
 101 100
 103 64.4 50.4 75.6

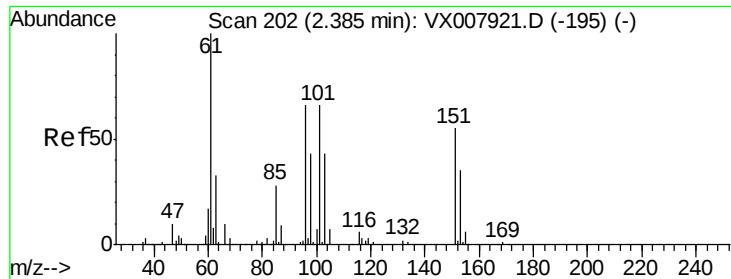


#8

Diethyl Ether
 Concen: 94.069 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

Tgt Ion: 74 Resp: 207539
 Ion Ratio Lower Upper
 74 100
 45 110.3 18.6 167.8

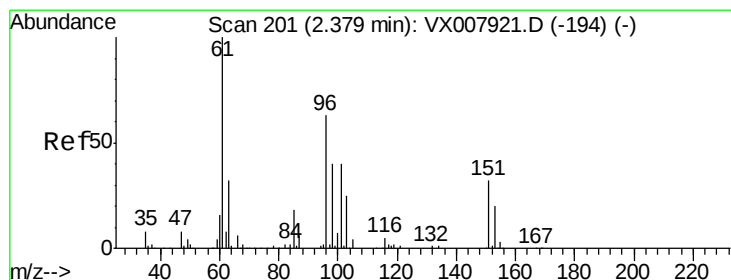
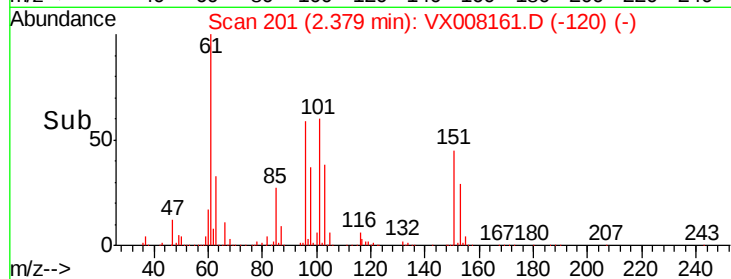
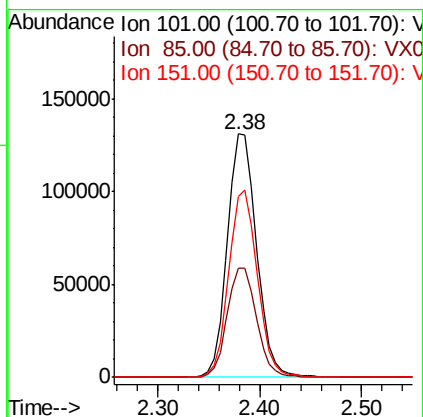
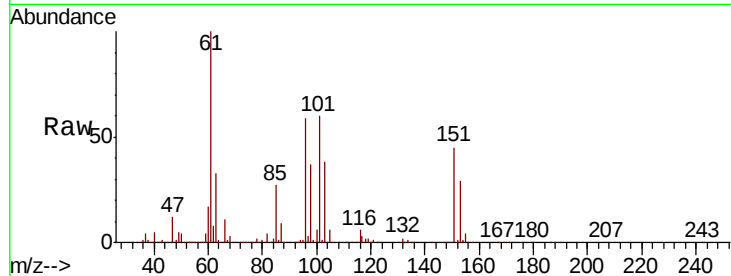




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 94.997 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. -0.01 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

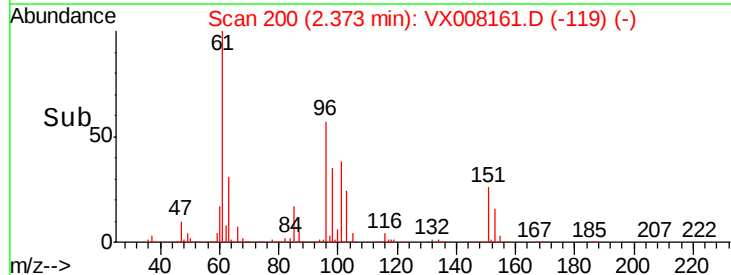
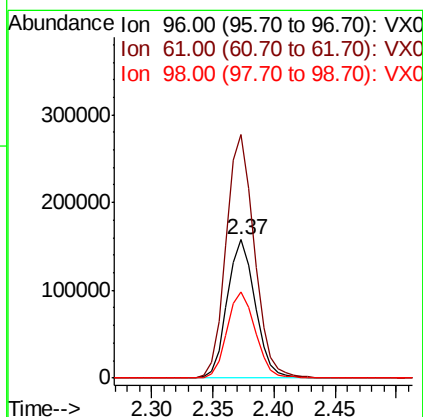
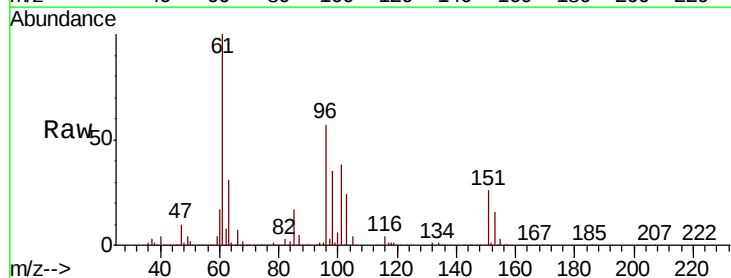
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

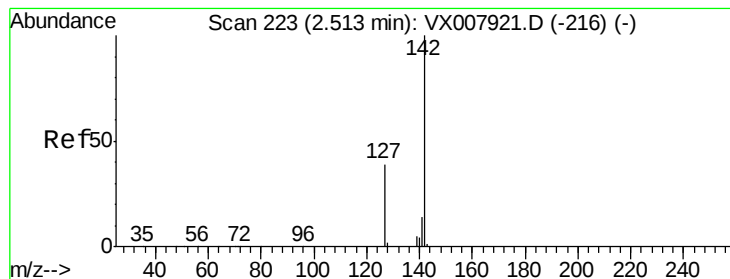
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	259058		
85	45.4	0.0	86.8	
151	75.7	0.0	169.2	



#10
 1,1-Dichloroethene
 Concen: 96.998 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.01 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	250576		
61	175.9	120.2	180.2	
98	62.2	49.0	73.4	





#11

Methyl Iodide

Concen: 112.100 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

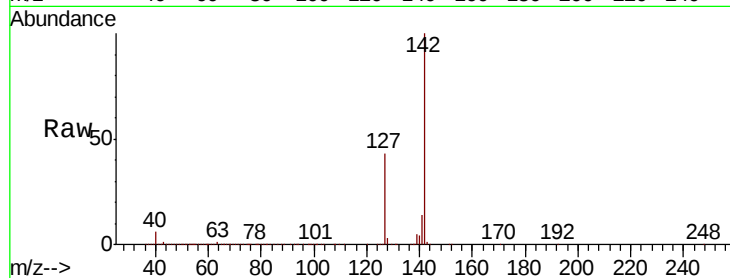
Tgt Ion:142 Resp: 342043

Ion Ratio Lower Upper

142 100

127 42.8 22.1 66.5

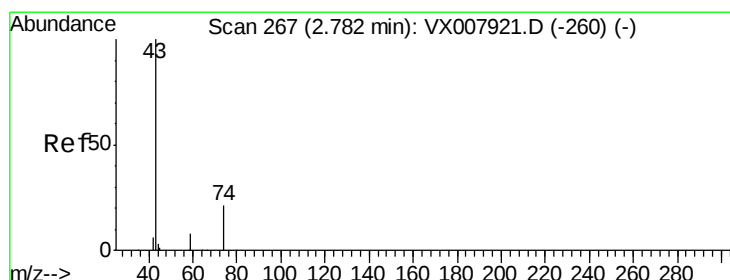
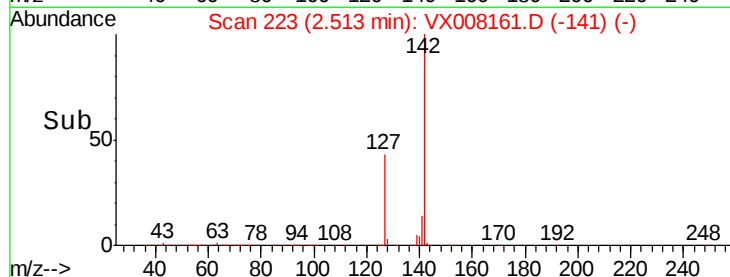
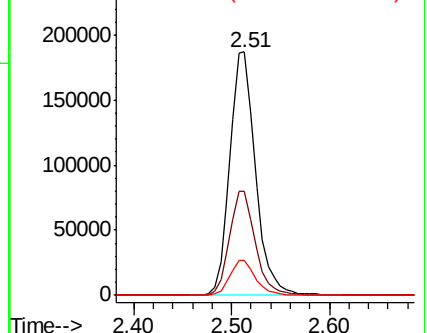
141 14.1 7.4 22.3



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 97.214 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008161.D

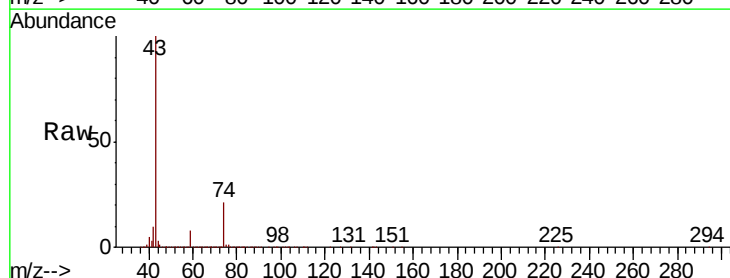
Acq: 18 Mar 2019 11:42

Tgt Ion: 43 Resp: 417960

Ion Ratio Lower Upper

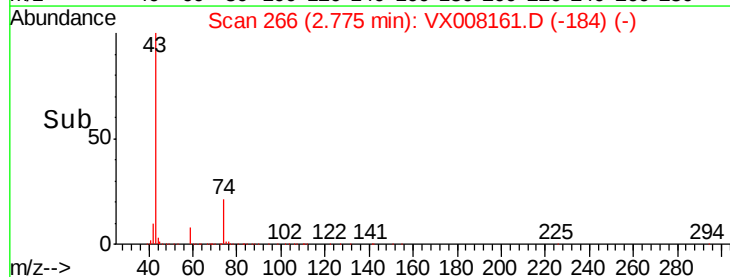
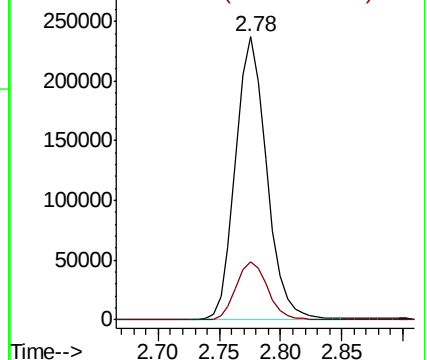
43 100

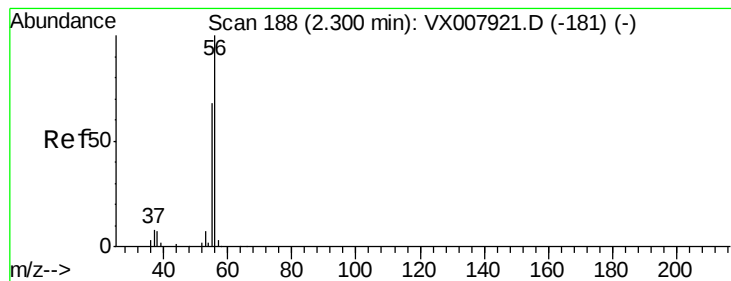
74 20.6 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 480.959 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

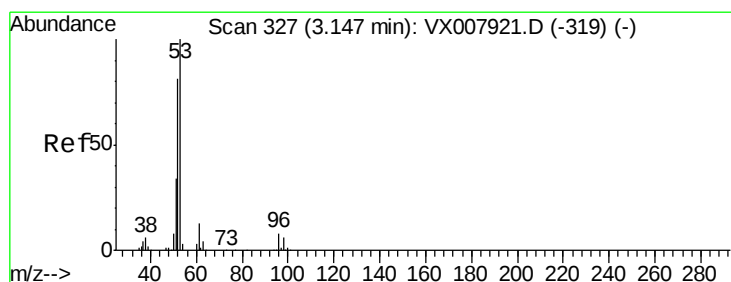
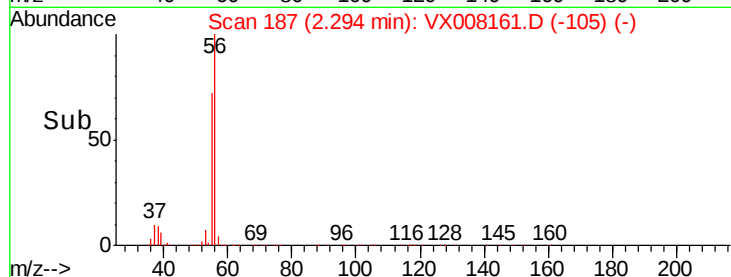
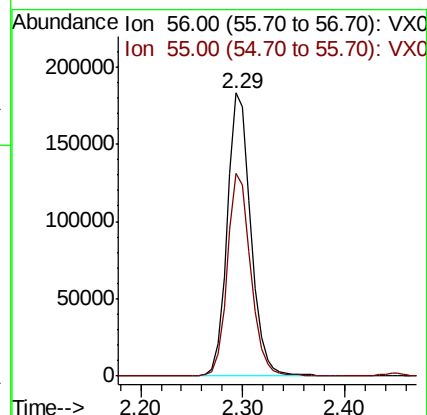
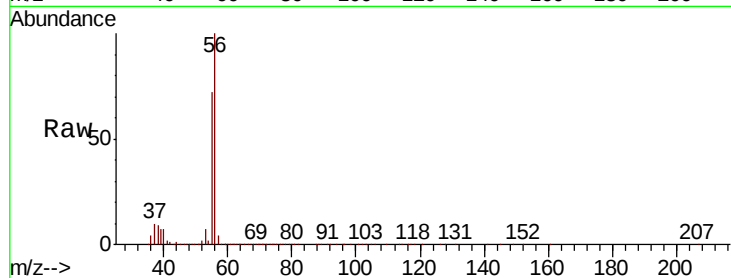
VSTDIC100

Tgt Ion: 56 Resp: 292246

Ion Ratio Lower Upper

56 100

55 71.2 58.6 87.8



#14

Acrylonitrile

Concen: 480.794 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

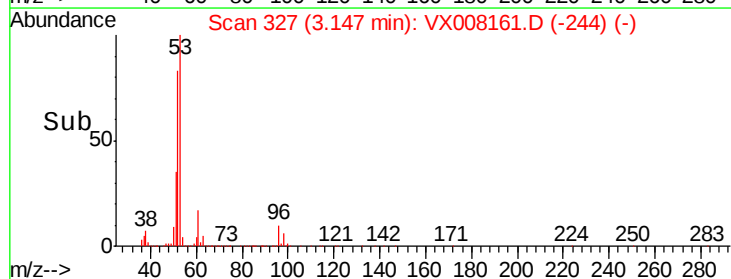
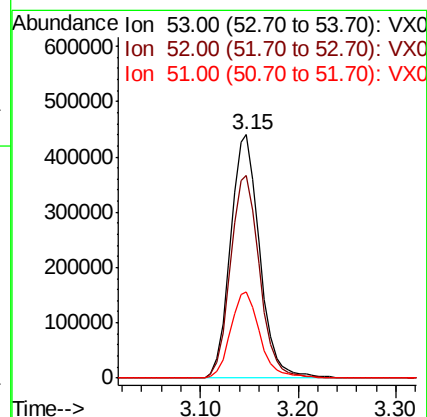
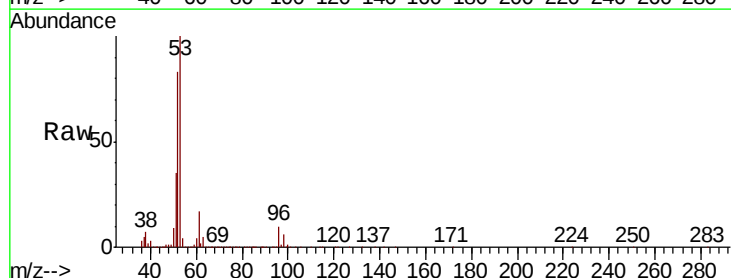
Tgt Ion: 53 Resp: 906836

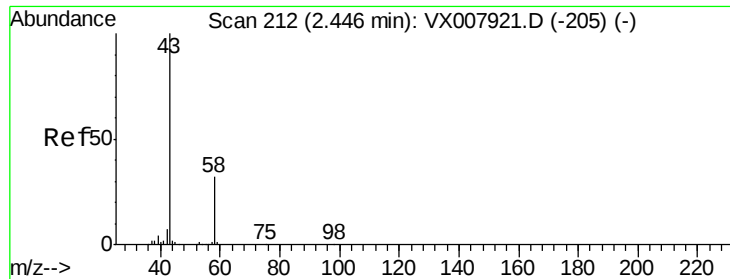
Ion Ratio Lower Upper

53 100

52 83.3 41.3 124.1

51 36.0 17.5 52.6

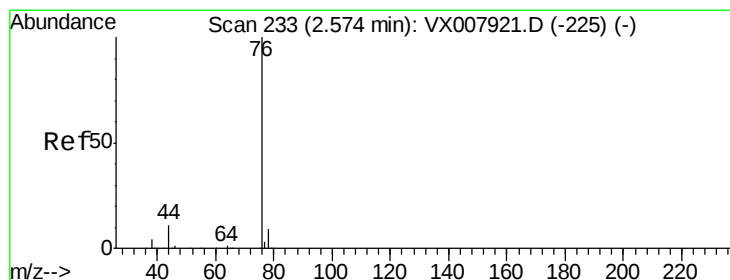
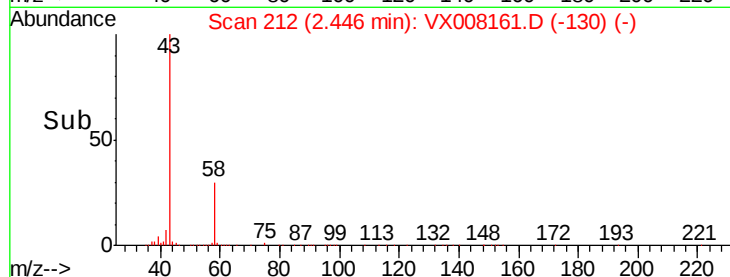
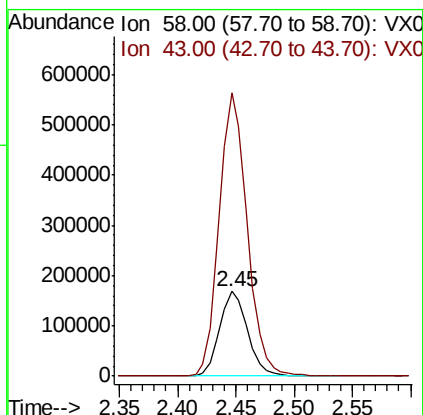
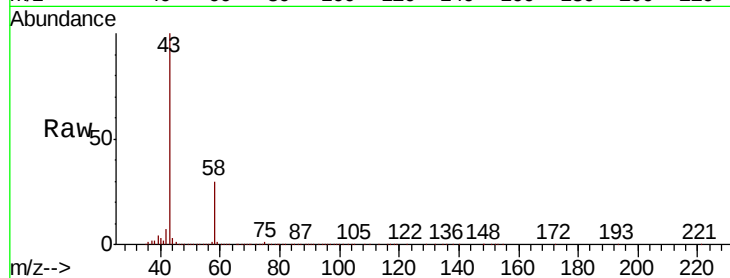




#15
Acetone
Concen: 419.364 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

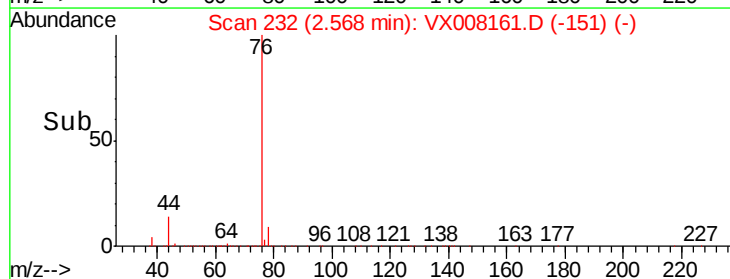
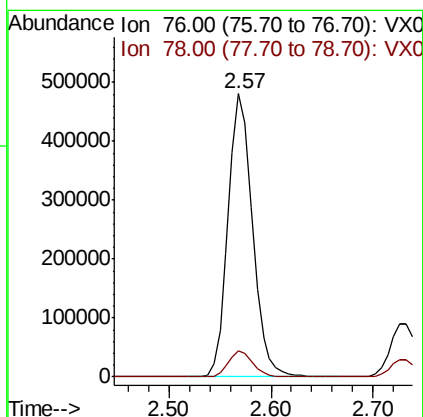
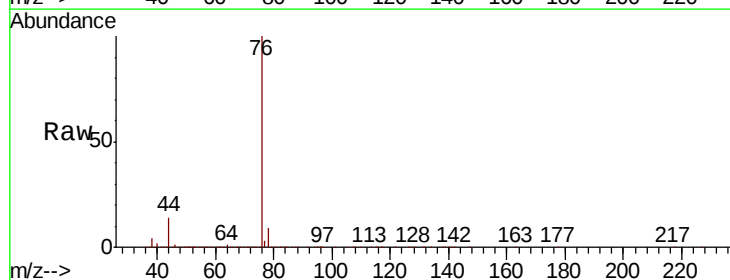
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

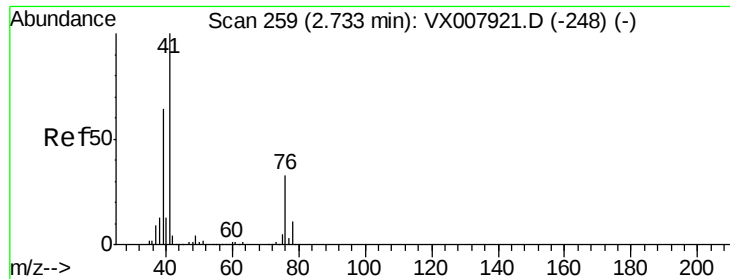
Tgt Ion: 58 Resp: 279009
Ion Ratio Lower Upper
58 100
43 335.1 249.8 374.6



#16
Carbon Disulfide
Concen: 98.362 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

Tgt Ion: 76 Resp: 800541
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3

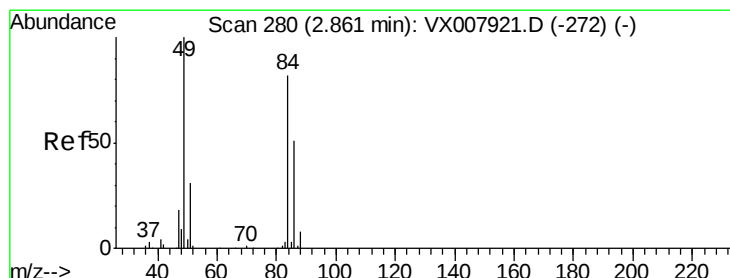
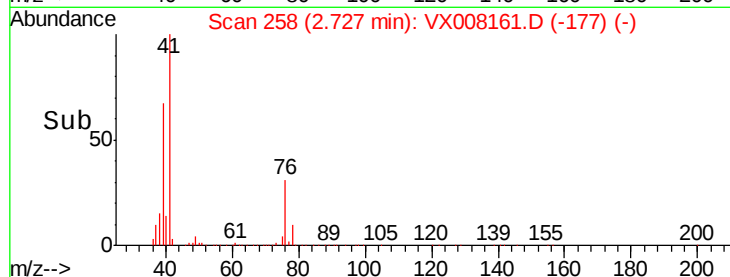
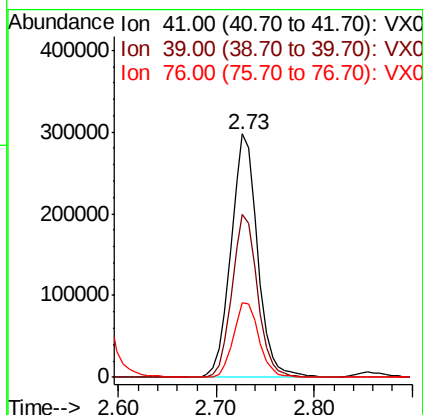
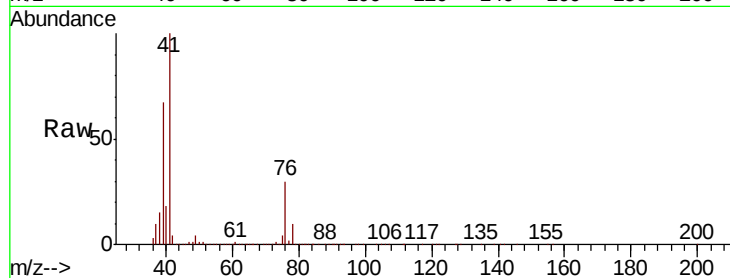




#17
 Allyl chloride
 Concen: 102.397 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. -0.01 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

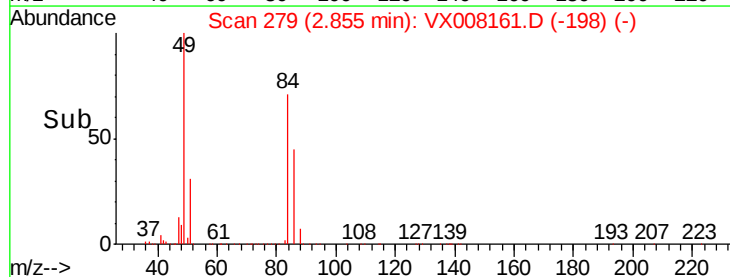
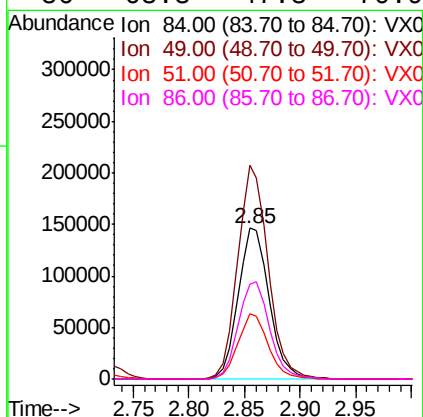
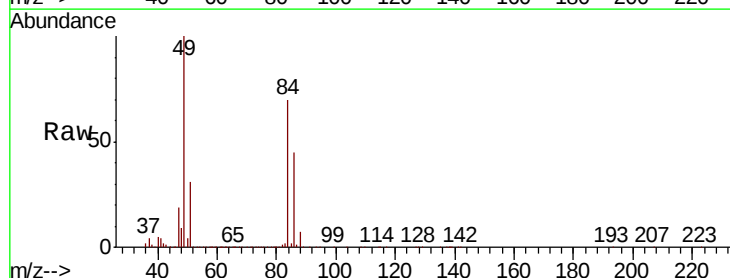
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

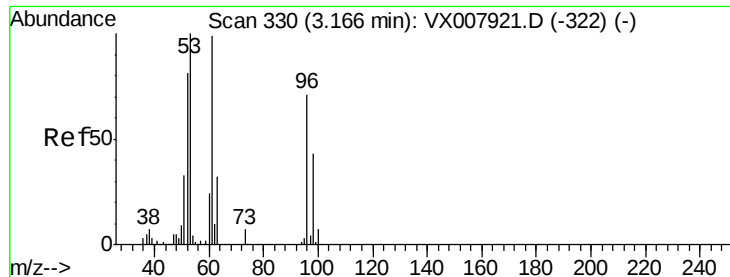
Tgt Ion: 41 Resp: 560178
 Ion Ratio Lower Upper
 41 100
 39 67.0 35.8 107.4
 76 30.4 18.3 54.9



#18
 Methylene Chloride
 Concen: 93.130 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

Tgt Ion: 84 Resp: 282945
 Ion Ratio Lower Upper
 84 100
 49 141.9 96.1 144.1
 51 43.3 29.1 43.7
 86 63.3 47.3 70.9





#19

trans-1,2-Dichloroethene

Concen: 96.864 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

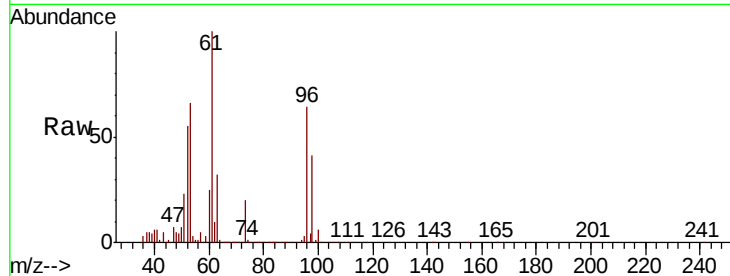
Tgt Ion: 96 Resp: 268877

Ion Ratio Lower Upper

96 100

61 156.5 109.9 164.9

98 63.9 50.4 75.6

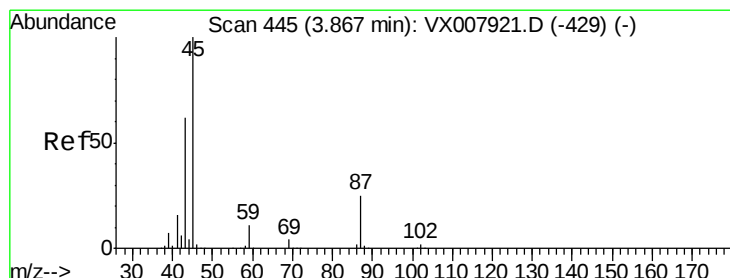
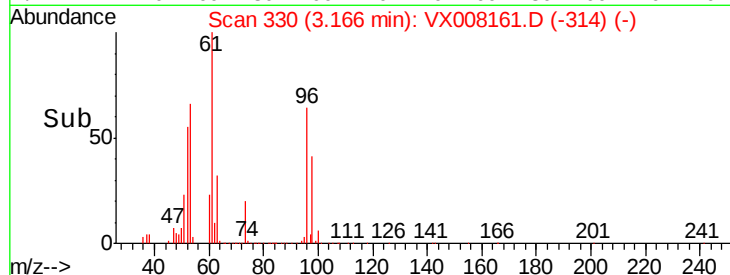
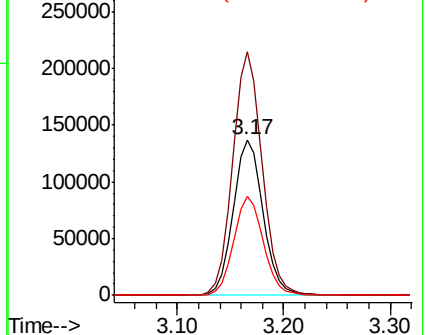


Abundance

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: 97.701 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Tgt Ion: 45 Resp: 1075146

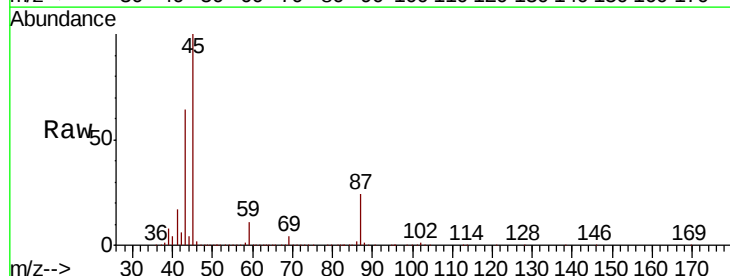
Ion Ratio Lower Upper

45 100

43 64.1 50.6 76.0

87 23.9 24.5 36.7#

59 10.9 10.2 15.2



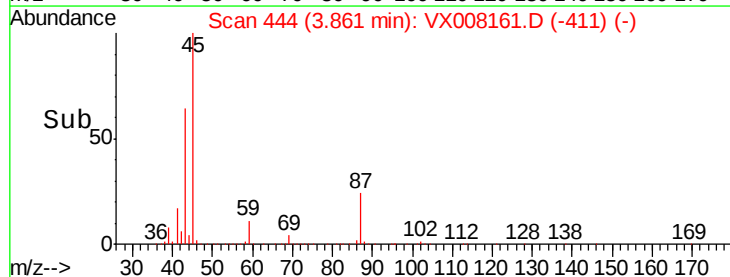
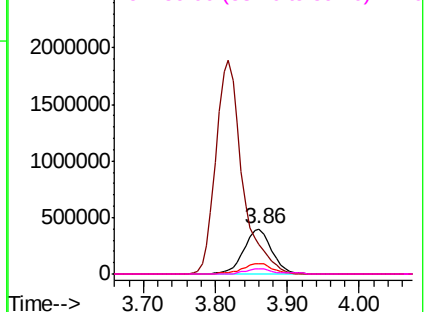
Abundance

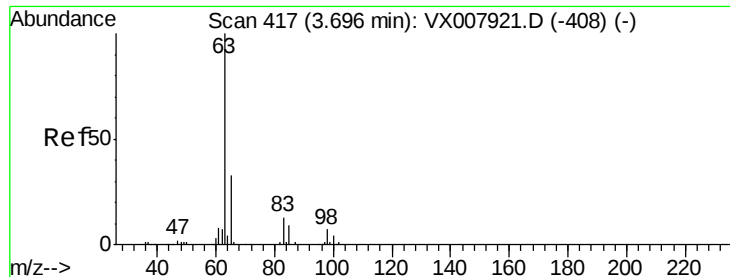
Ion 45.00 (44.70 to 45.70): VX0

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: 97.174 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

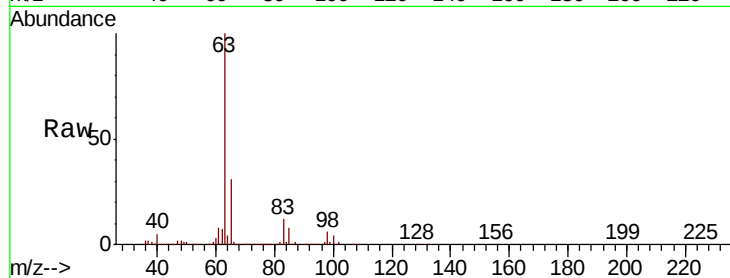
Tgt Ion: 63 Resp: 549500

Ion Ratio Lower Upper

63 100

98 6.1 3.8 11.4

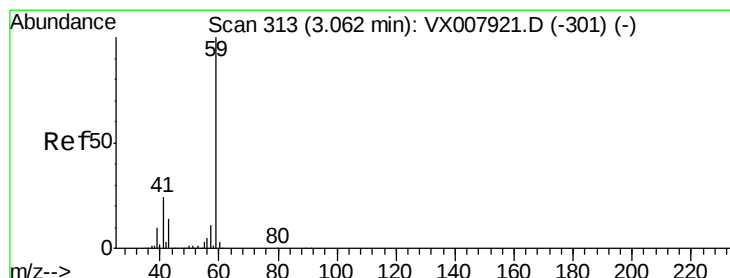
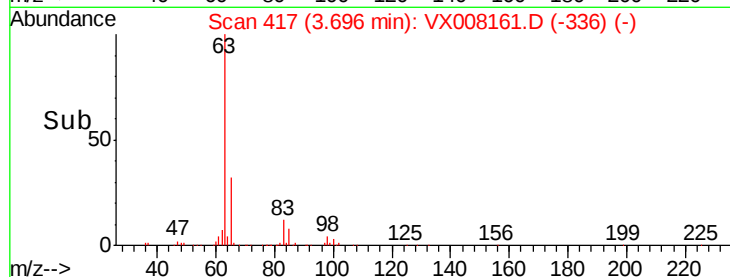
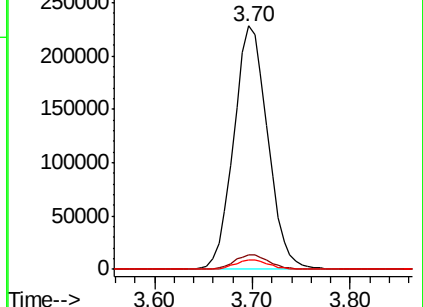
100 3.7 2.4 7.1



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



#23

tert-Butyl Alcohol

Concen: 483.178 ug/l

RT: 3.06 min Scan# 312

Delta R.T. 0.01 min

Lab File: VX008161.D

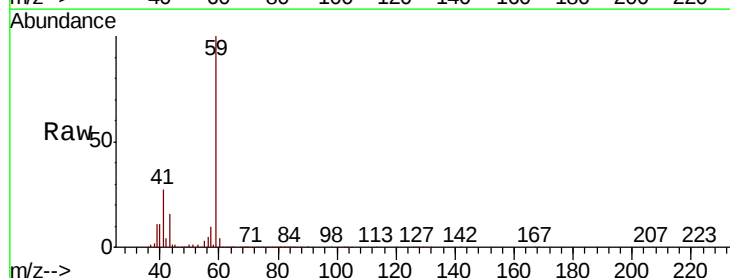
Acq: 18 Mar 2019 11:42

Tgt Ion: 59 Resp: 336392

Ion Ratio Lower Upper

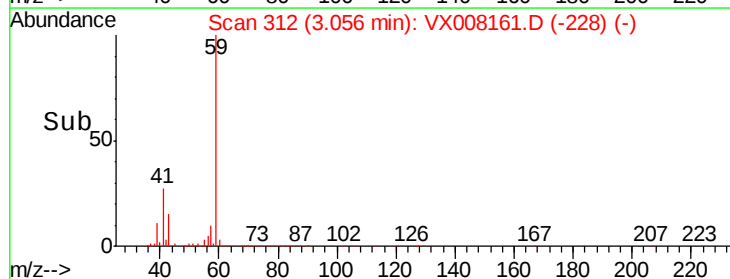
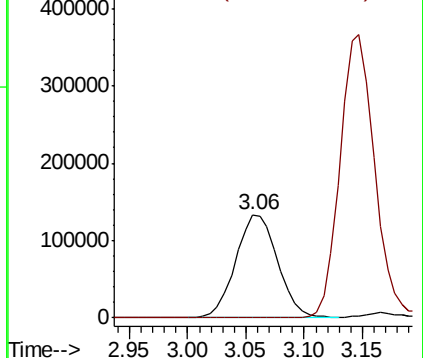
59 100

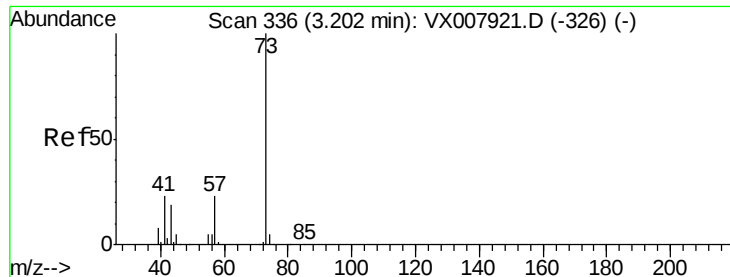
52 0.2 0.2 0.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



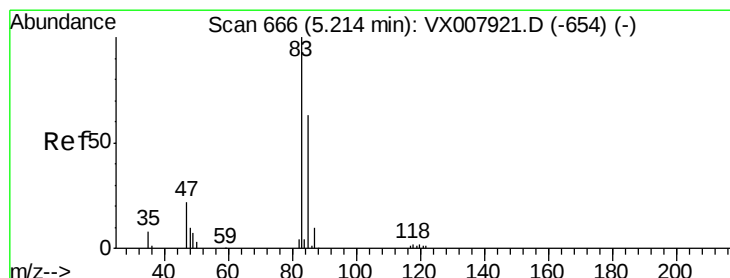
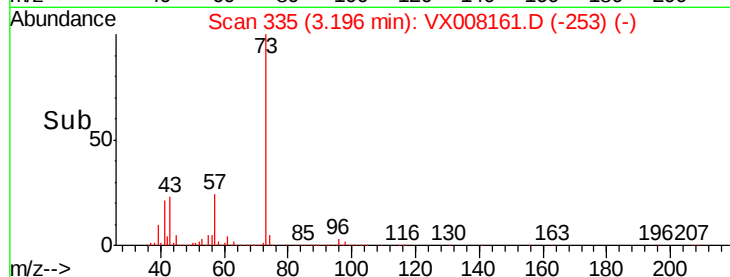
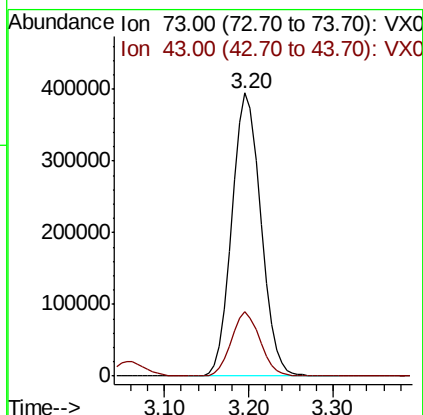
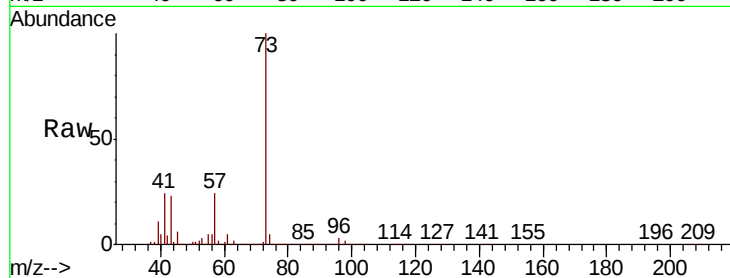


#24

Methyl tert-Butyl Ether
 Concen: 98.643 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

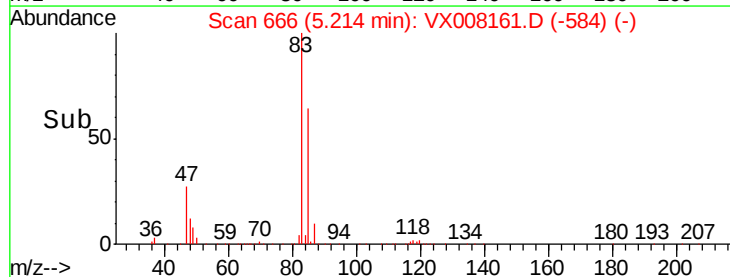
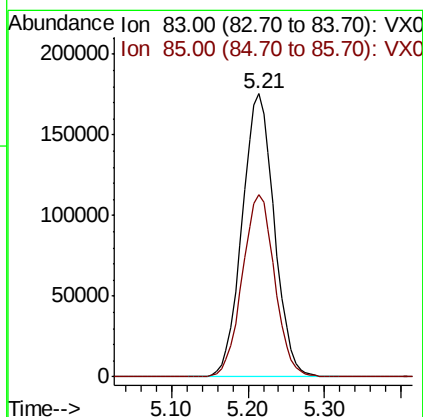
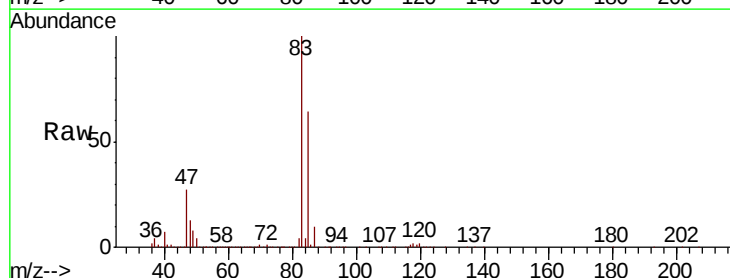
Tgt Ion: 73 Resp: 920573
 Ion Ratio Lower Upper
 73 100
 43 22.4 17.1 25.7

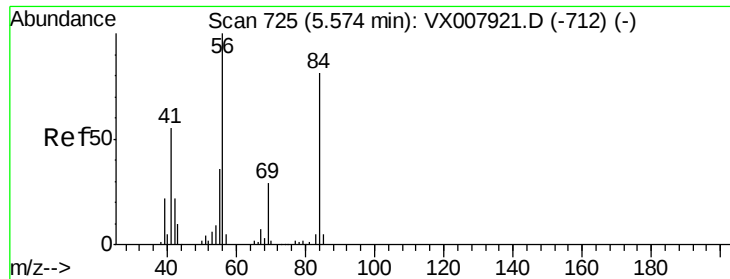


#25

Chloroform
 Concen: 94.822 ug/l
 RT: 5.21 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

Tgt Ion: 83 Resp: 512618
 Ion Ratio Lower Upper
 83 100
 85 64.3 53.8 80.6

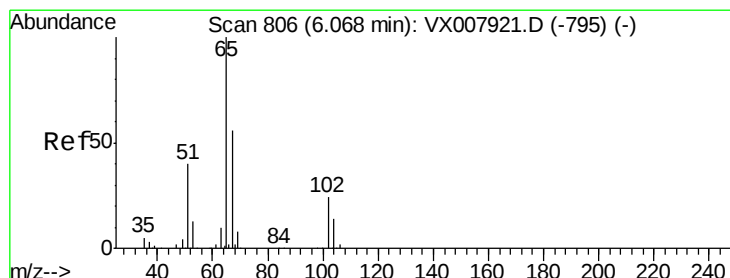
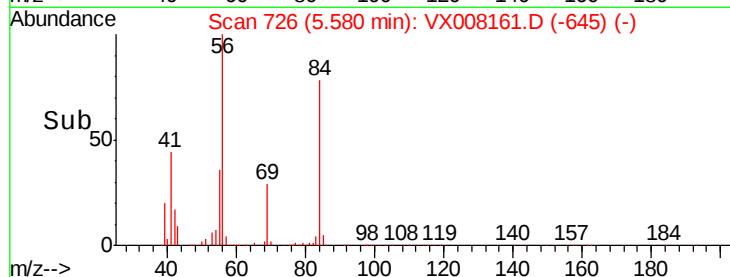
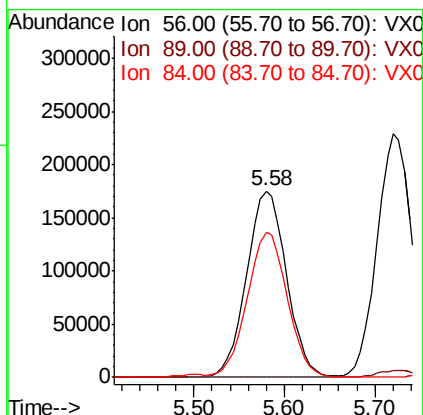
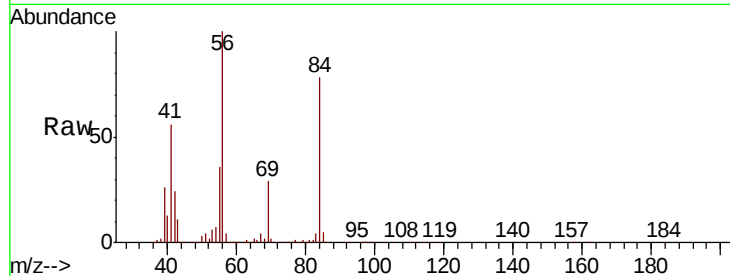




#26
Cyclohexane
Concen: 101.147 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.01 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

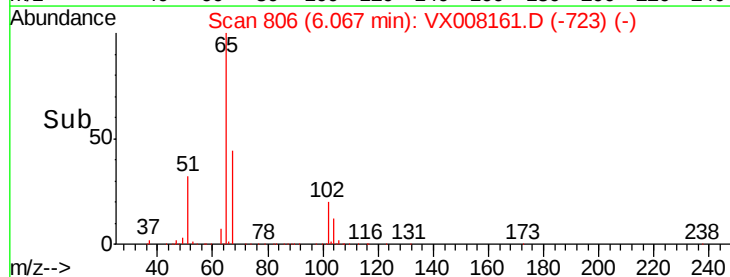
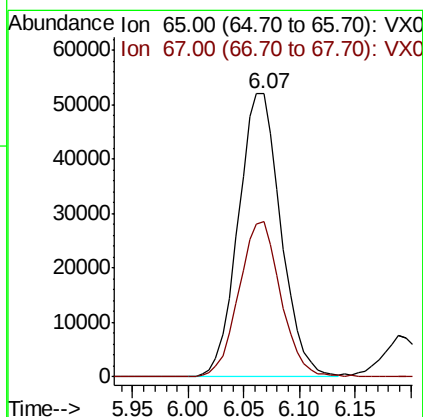
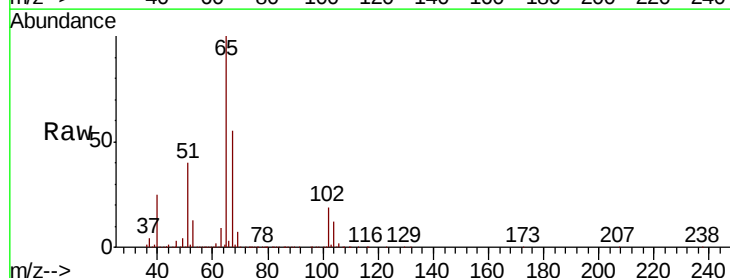
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

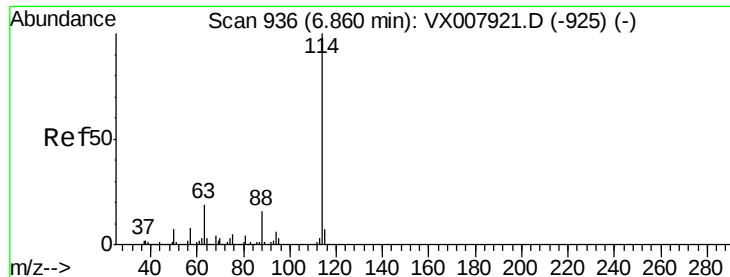
Tgt Ion: 56 Resp: 531465
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0#
84 78.3 73.9 110.9



#27
1,2-Dichloroethane-d4
Concen: 28.615 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

Tgt Ion: 65 Resp: 137429
Ion Ratio Lower Upper
65 100
67 54.0 42.9 64.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

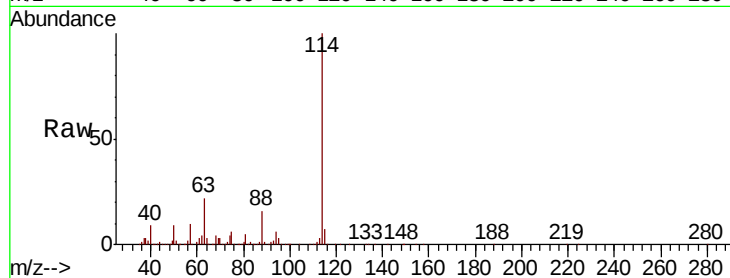
Tgt Ion:114 Resp: 317056

Ion Ratio Lower Upper

114 100

63 23.2 14.2 21.4#

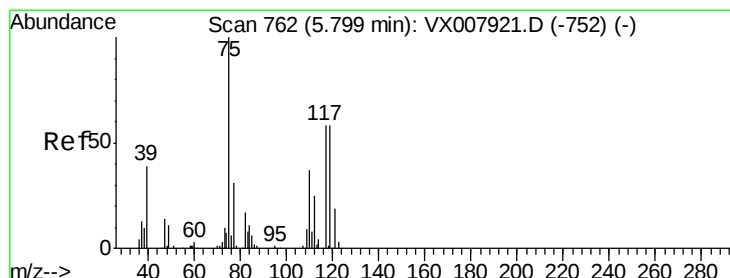
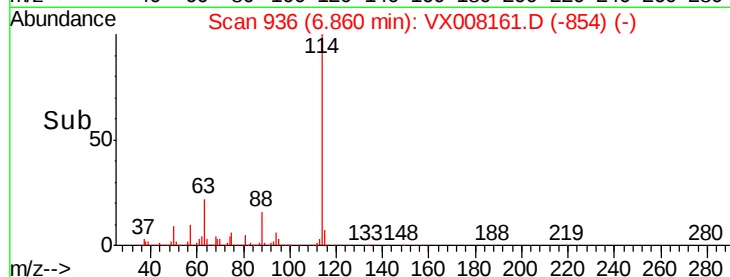
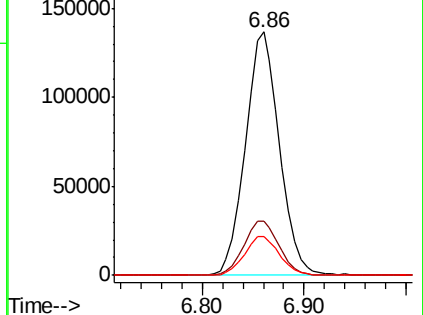
88 16.5 11.9 17.9



Abundance Ion 114.00 (113.70 to 114.70): VX0

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0



#29

1,1-Dichloropropene

Concen: 100.744 ug/l

RT: 5.81 min Scan# 763

Delta R.T. 0.01 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

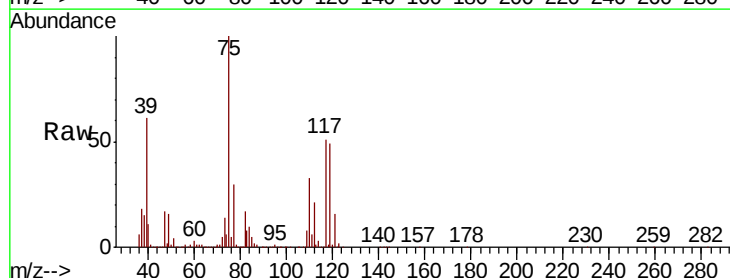
Tgt Ion: 75 Resp: 407615

Ion Ratio Lower Upper

75 100

110 33.0 0.0 80.8

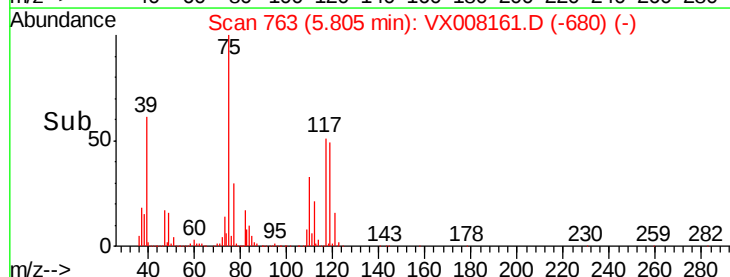
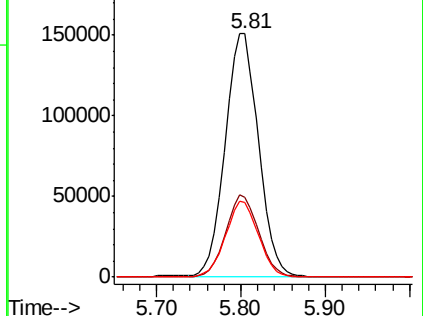
77 30.4 0.0 62.4

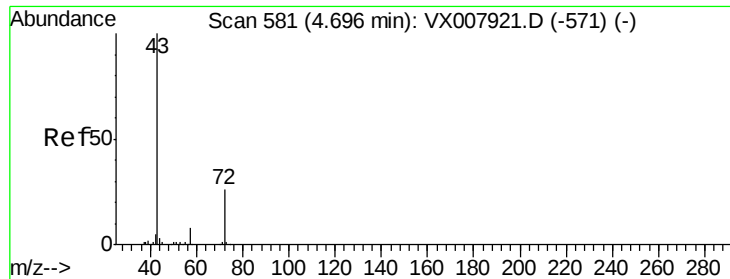


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VX0

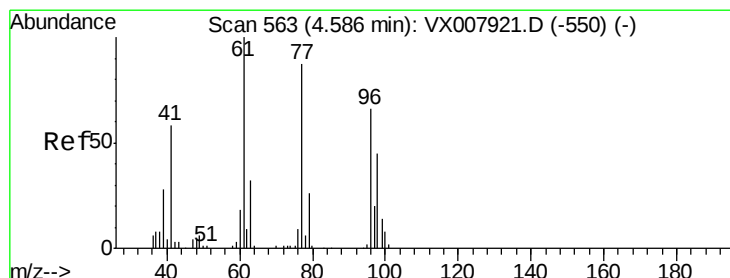
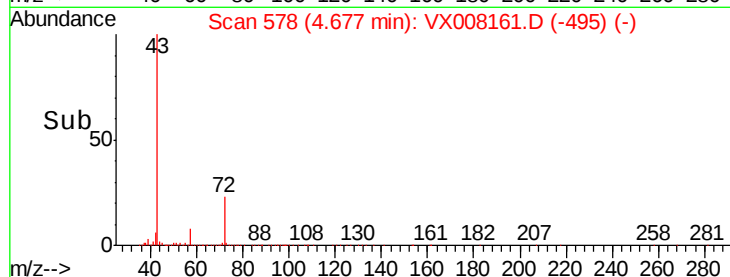
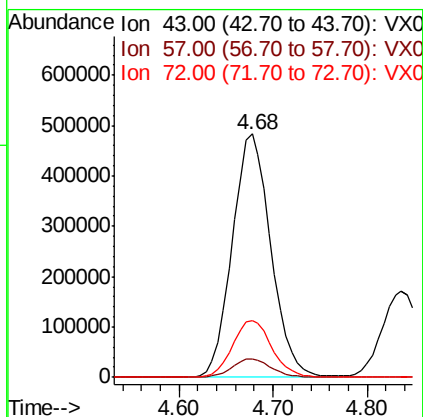
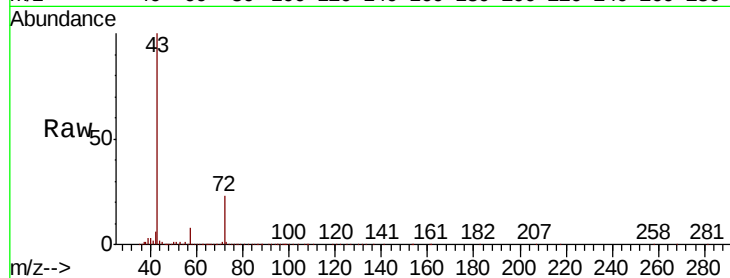




#30
 2-Butanone
 Concen: 448.682 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

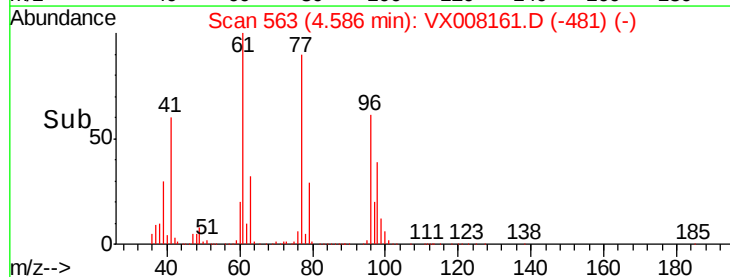
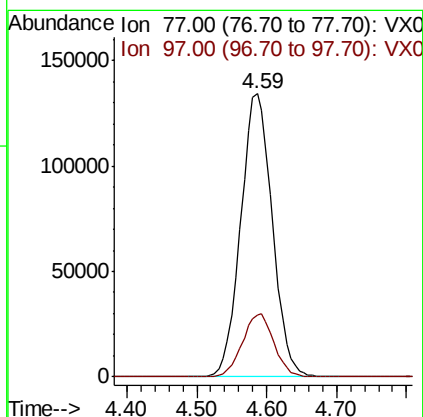
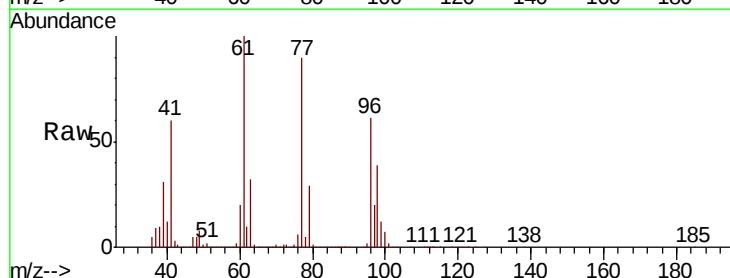
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

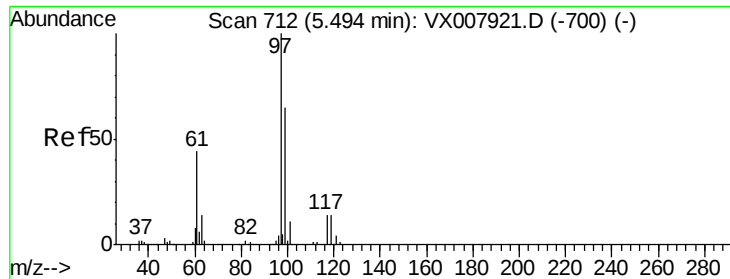
Tgt Ion: 43 Resp: 1372959
 Ion Ratio Lower Upper
 43 100
 57 7.7 7.0 10.6
 72 23.7 21.5 32.3



#31
 2,2-Dichloropropane
 Concen: 104.067 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

Tgt Ion: 77 Resp: 420602
 Ion Ratio Lower Upper
 77 100
 97 22.2 20.6 31.0





#32

1,1,1-Trichloroethane

Concen: 99.460 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

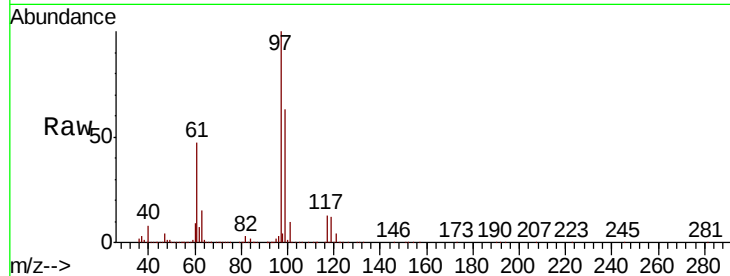
Tgt Ion: 97 Resp: 431207

Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

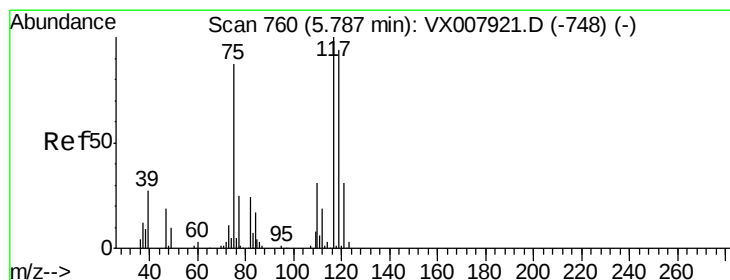
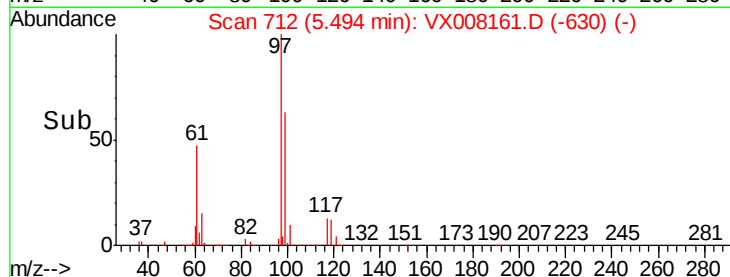
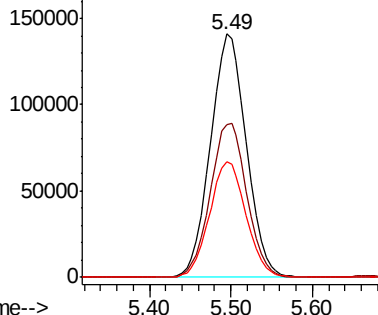
61 48.2 32.8 49.2



Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#33

Carbon Tetrachloride

Concen: 103.349 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

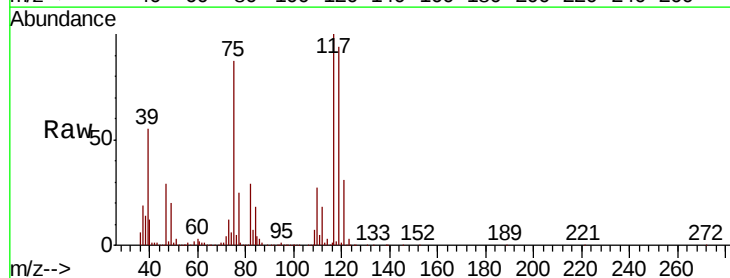
Tgt Ion: 117 Resp: 365900

Ion Ratio Lower Upper

117 100

119 93.9 78.1 117.1

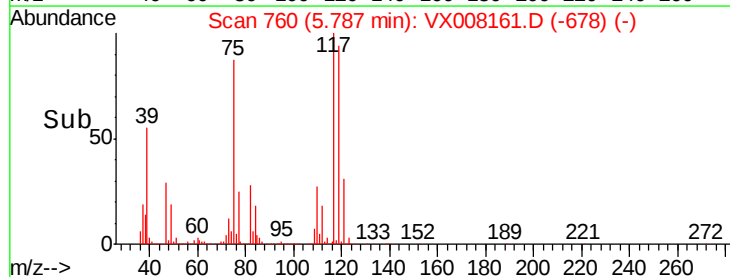
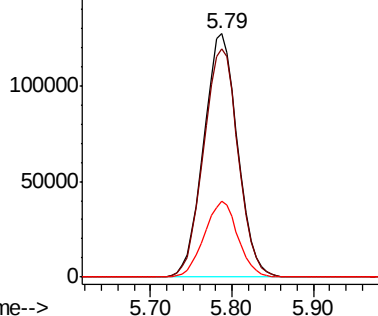
121 31.1 27.0 40.6

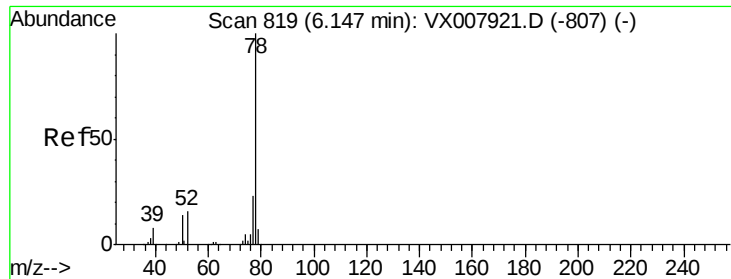


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#34

Benzene

Concen: 97.312 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

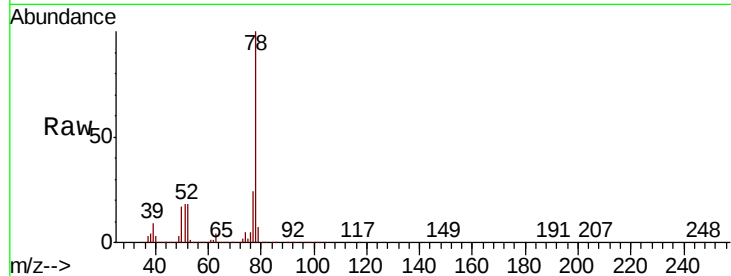
Tgt Ion: 78 Resp: 1199101

Ion Ratio Lower Upper

78 100

77 24.1 19.1 28.7

51 17.7 10.8 16.2#

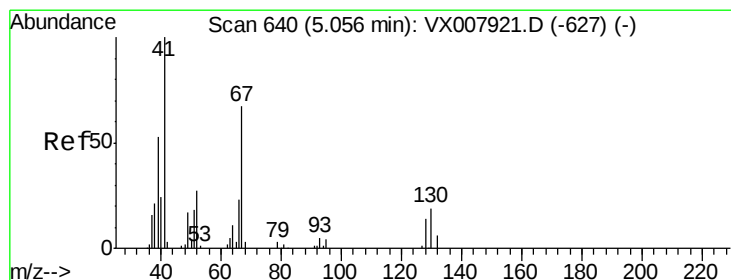
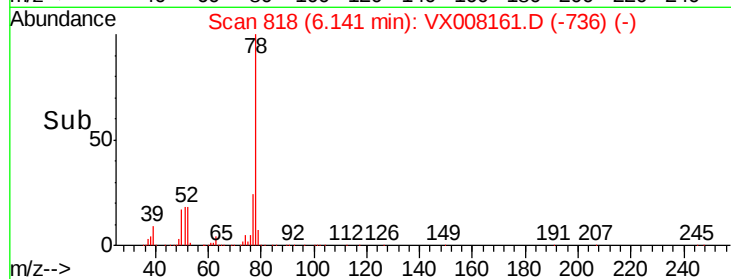
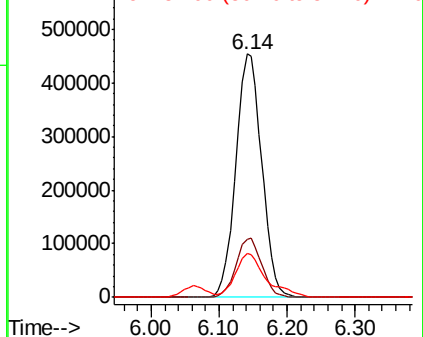


Abundance

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: 100.257 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Tgt Ion: 41 Resp: 279753

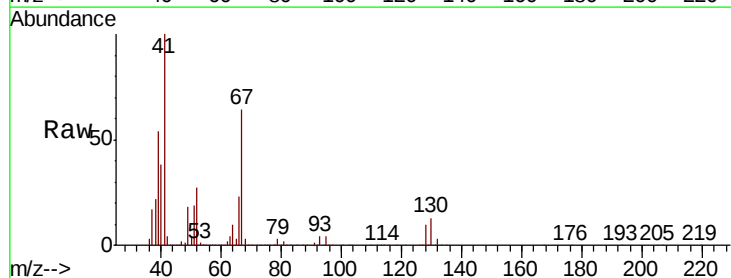
Ion Ratio Lower Upper

41 100

39 54.2 27.4 82.0

67 64.0 37.9 113.6

52 26.4 13.3 39.9



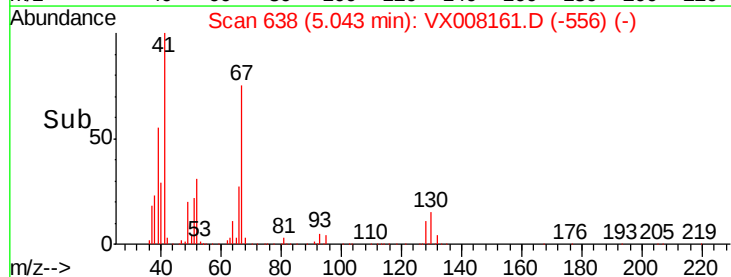
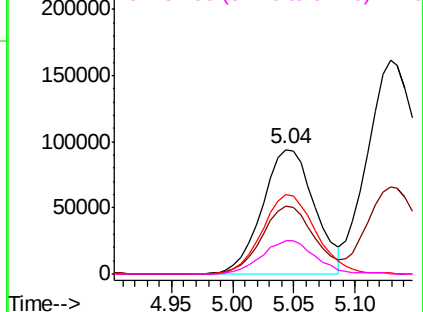
Abundance

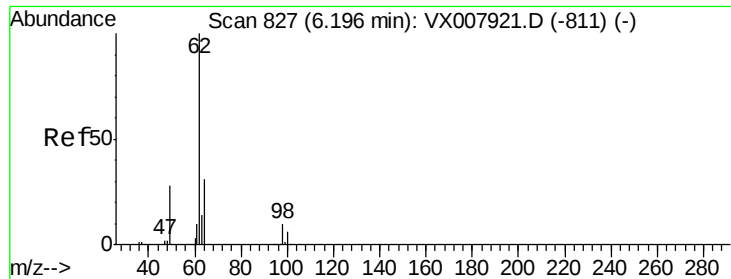
Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#36

1,2-Dichloroethane

Concen: 94.378 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

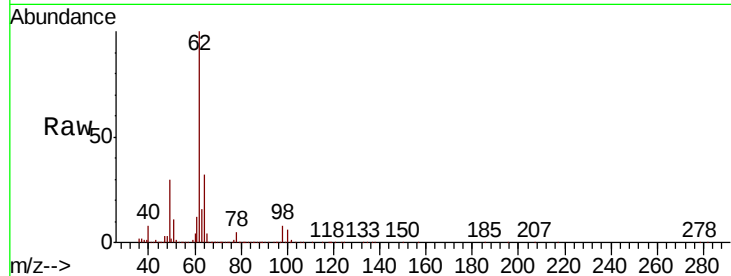
VSTDIC100

Tgt Ion: 62 Resp: 427808

Ion Ratio Lower Upper

62 100

98 8.5 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

6.20

150000

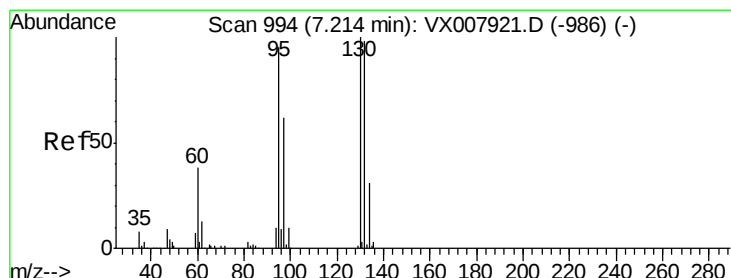
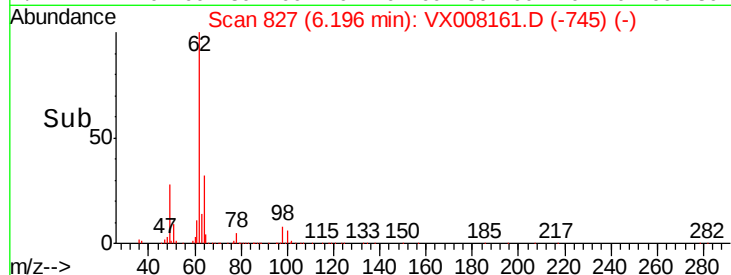
100000

50000

0

Time-->

6.00 6.10 6.20 6.30



#37

Trichloroethene

Concen: 98.689 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008161.D

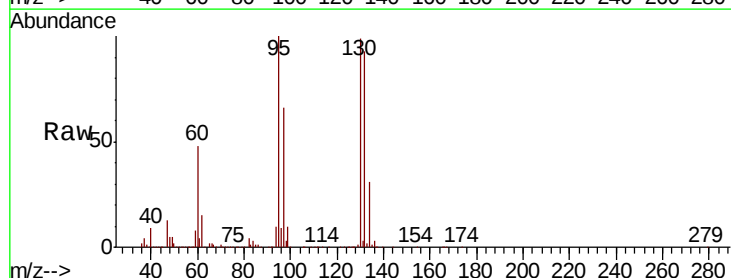
Acq: 18 Mar 2019 11:42

Tgt Ion: 130 Resp: 286340

Ion Ratio Lower Upper

130 100

95 101.2 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

150000

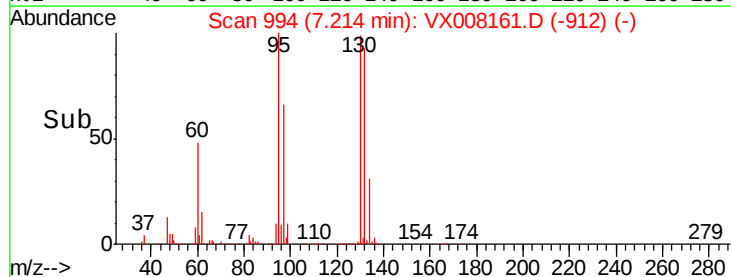
100000

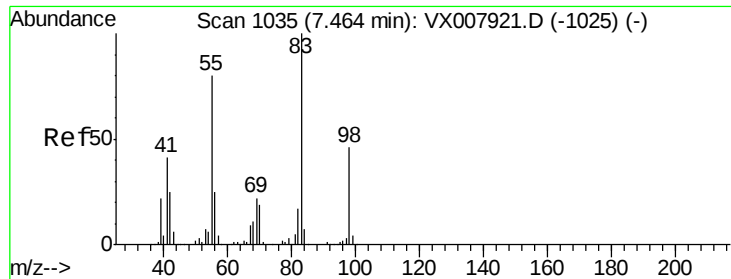
50000

0

Time-->

7.15 7.20 7.25 7.30

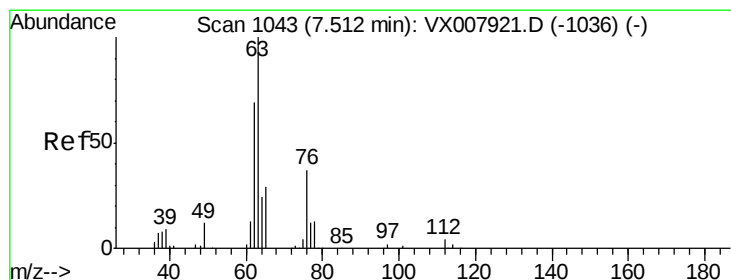
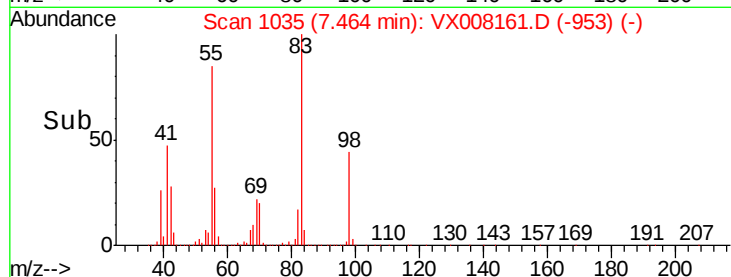
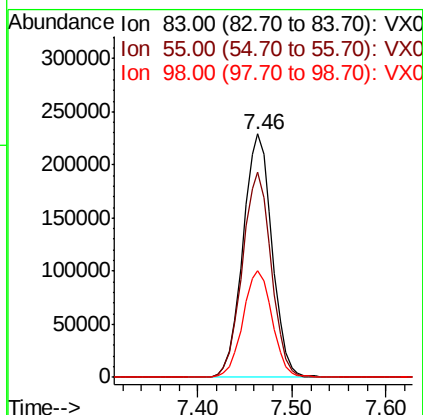
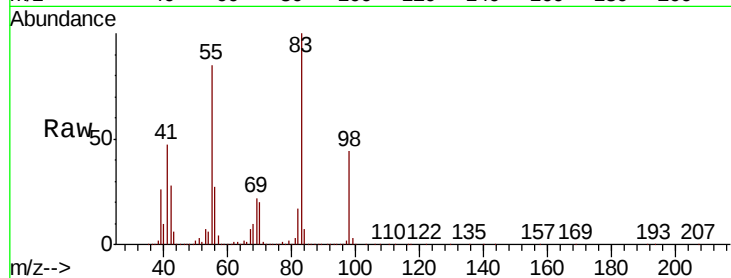




#38
Methylcyclohexane
Concen: 101.384 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

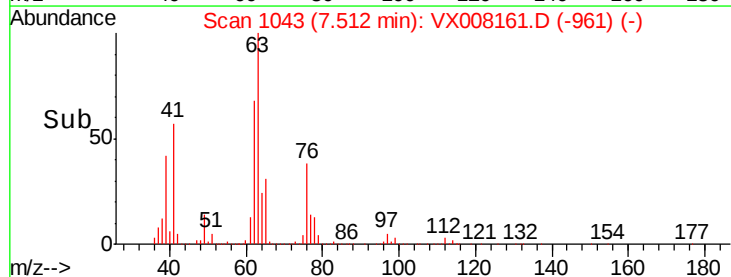
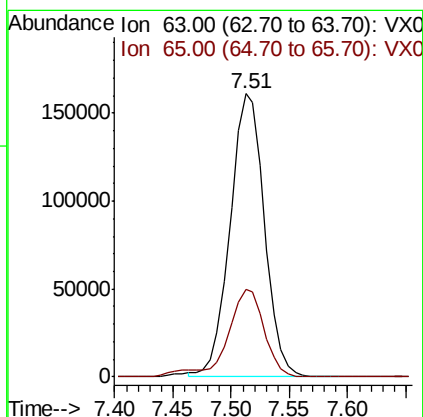
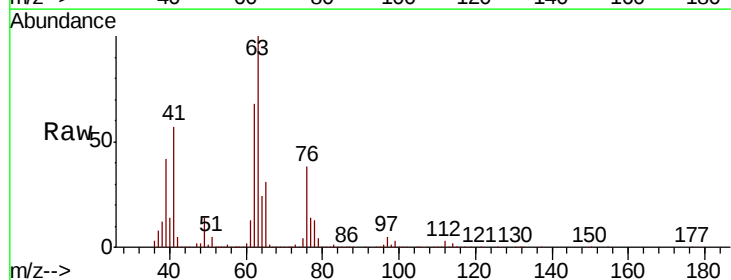
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

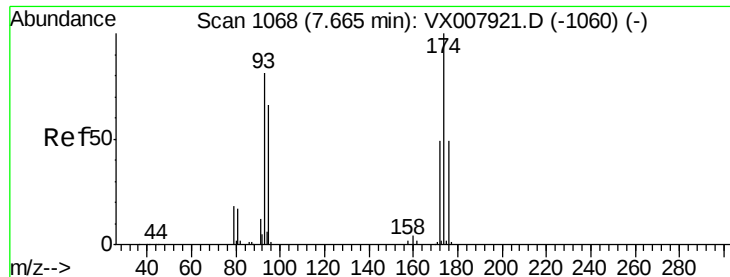
Tgt Ion: 83 Resp: 495033
Ion Ratio Lower Upper
83 100
55 83.7 36.0 108.0
98 44.2 23.8 71.4



#39
1,2-Dichloropropane
Concen: 97.946 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

Tgt Ion: 63 Resp: 328179
Ion Ratio Lower Upper
63 100
65 31.1 24.6 37.0





#40

Dibromomethane

Concen: 96.924 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

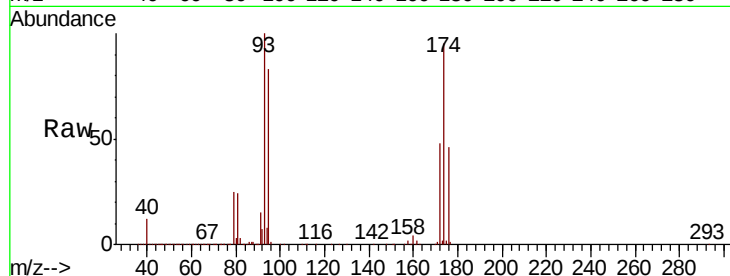
Tgt Ion: 93 Resp: 198503

Ion Ratio Lower Upper

93 100

95 83.2 0.0 158.8

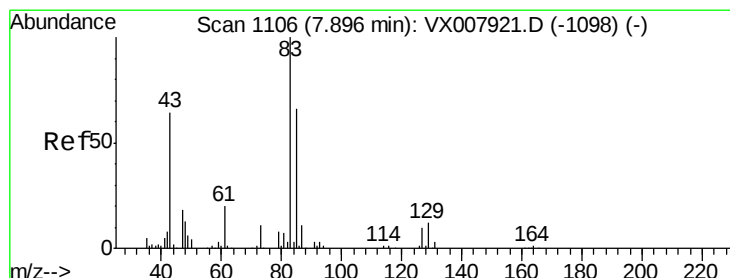
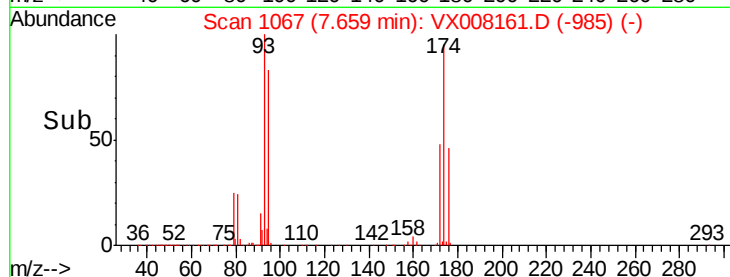
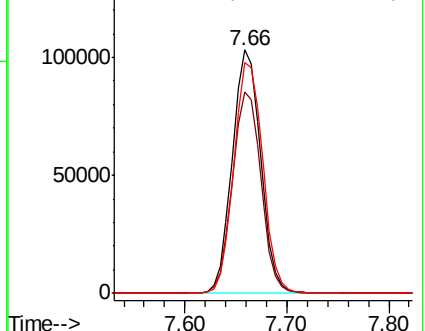
174 96.6 0.0 224.2



Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V



#41

Bromodichloromethane

Concen: 100.160 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

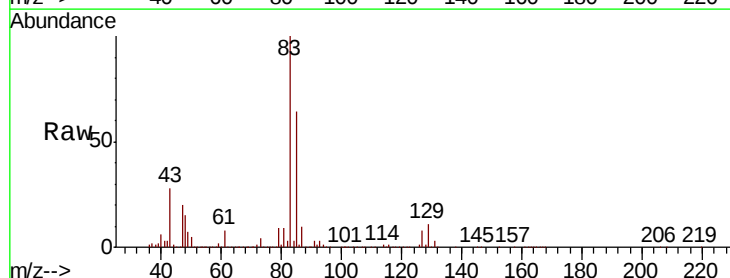
Tgt Ion: 83 Resp: 394187

Ion Ratio Lower Upper

83 100

85 64.4 51.1 76.7

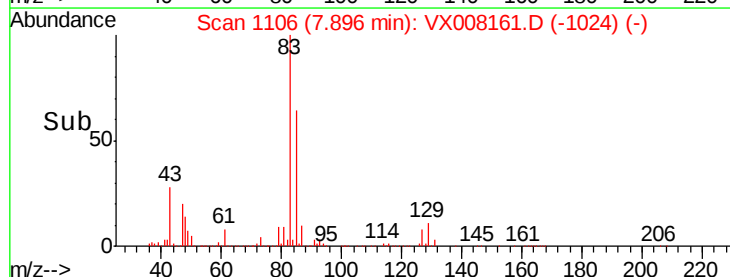
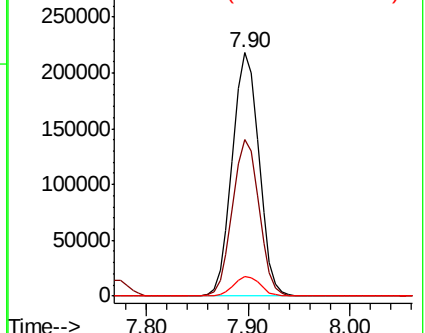
127 8.2 7.2 10.8

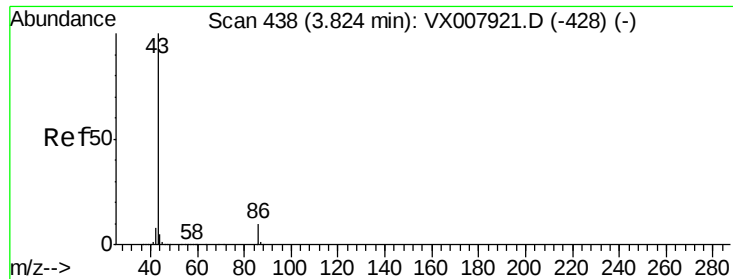


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V





#42

Vinyl Acetate

Concen: 503.405 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

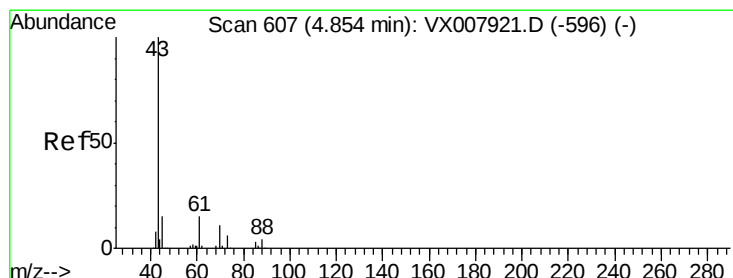
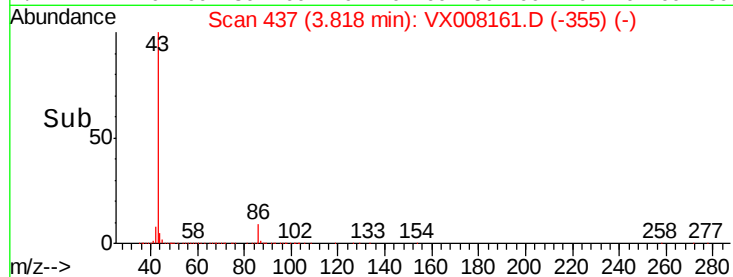
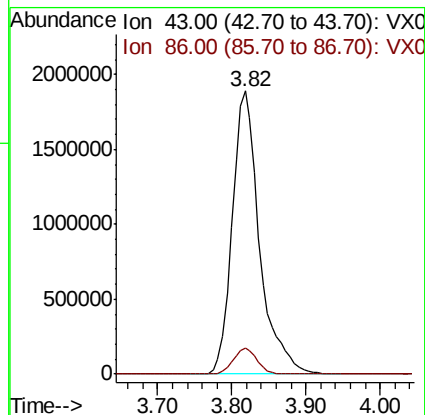
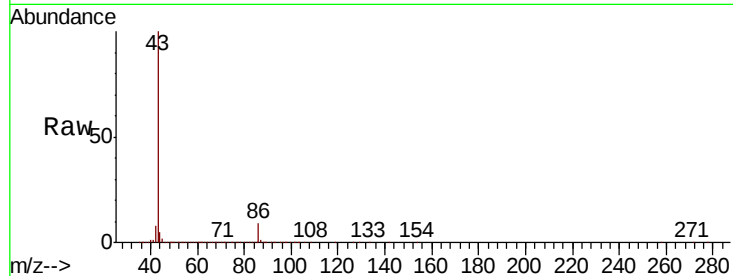
VSTDIC100

Tgt Ion: 43 Resp: 4842739

Ion Ratio Lower Upper

43 100

86 8.1 8.2 12.2#



#43

Ethyl Acetate

Concen: 95.972 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX008161.D

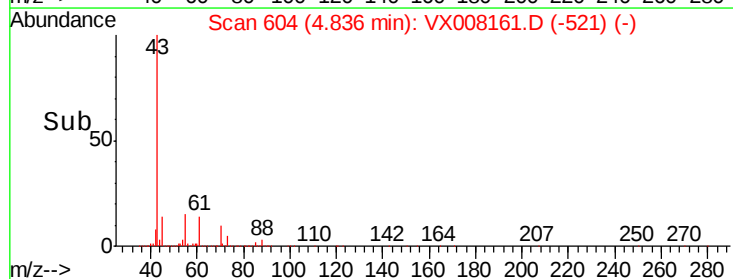
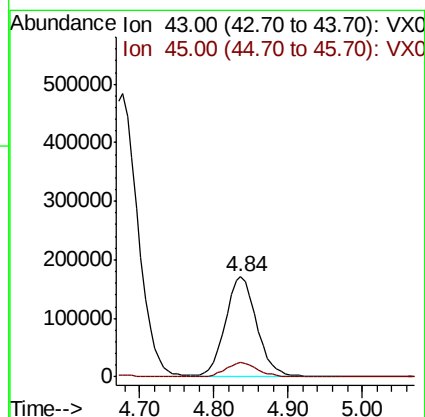
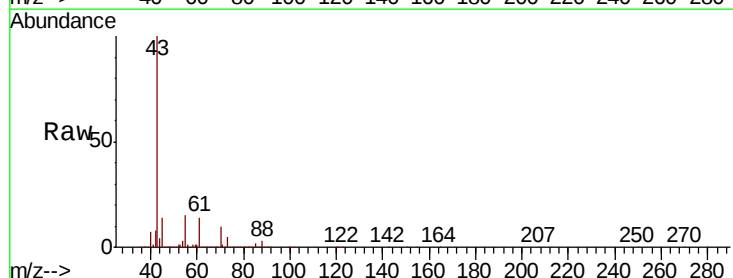
Acq: 18 Mar 2019 11:42

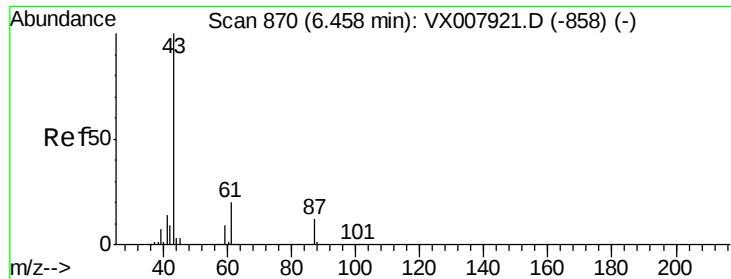
Tgt Ion: 43 Resp: 502754

Ion Ratio Lower Upper

43 100

45 14.7 6.9 10.3#



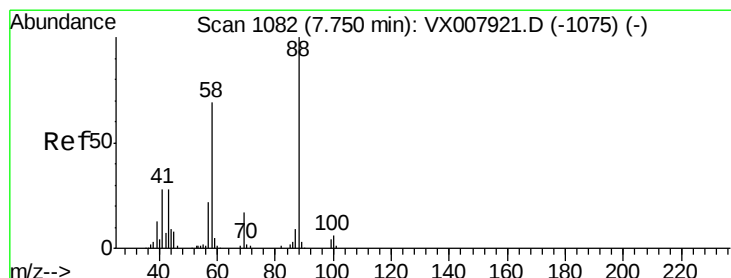
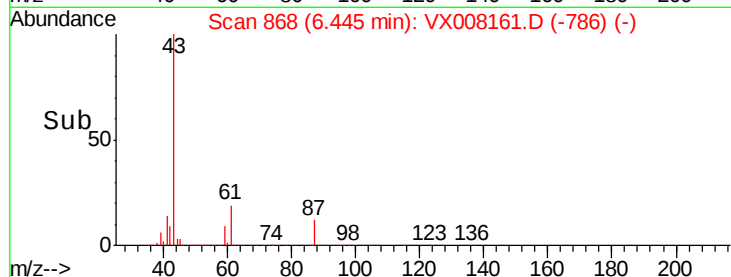
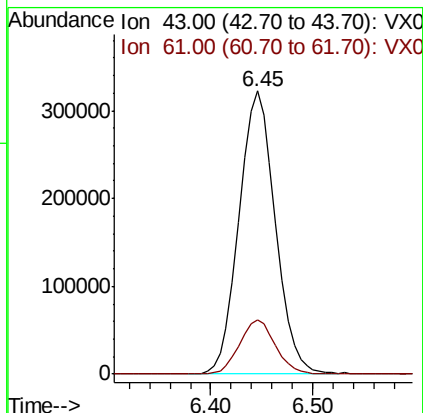
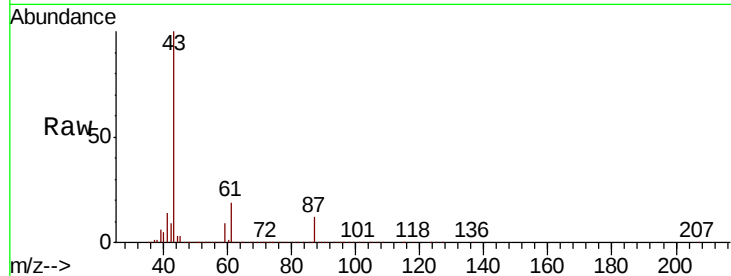


#44

Isopropyl Acetate
 Concen: 102.074 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

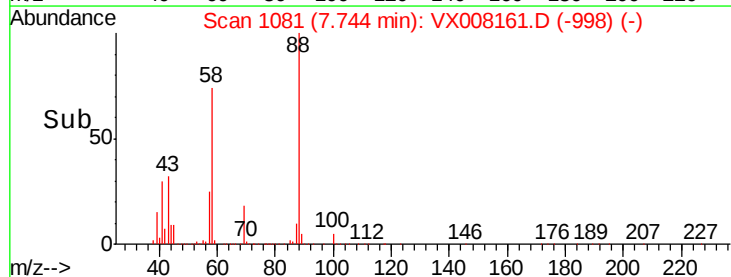
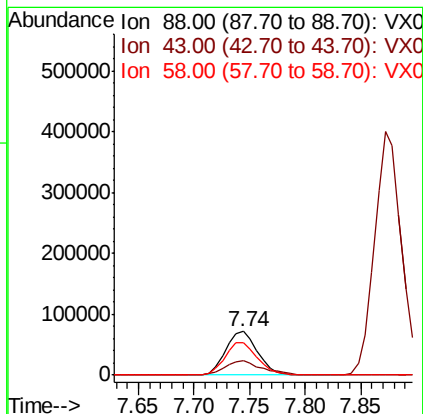
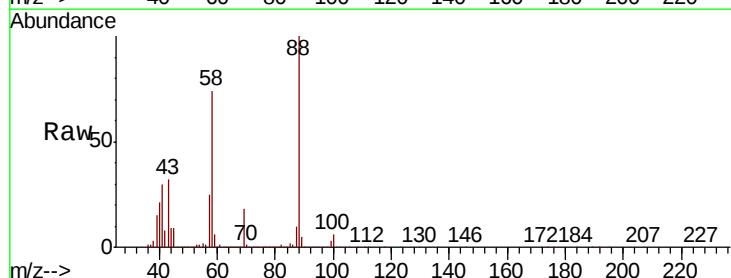
Tgt Ion: 43 Resp: 794420
 Ion Ratio Lower Upper
 43 100
 61 18.9 16.1 24.1

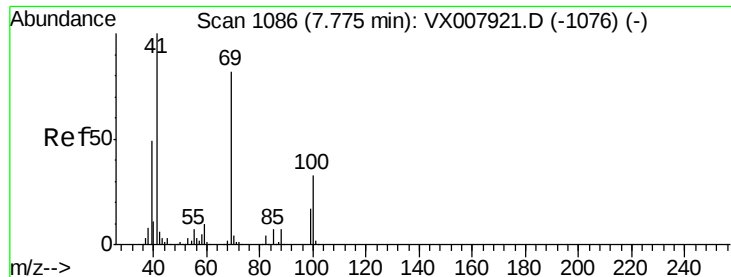


#45

1,4-Dioxane
 Concen: 1925.603 ug/l
 RT: 7.74 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

Tgt Ion: 88 Resp: 142683
 Ion Ratio Lower Upper
 88 100
 43 36.7 23.6 35.4#
 58 76.1 51.6 77.4

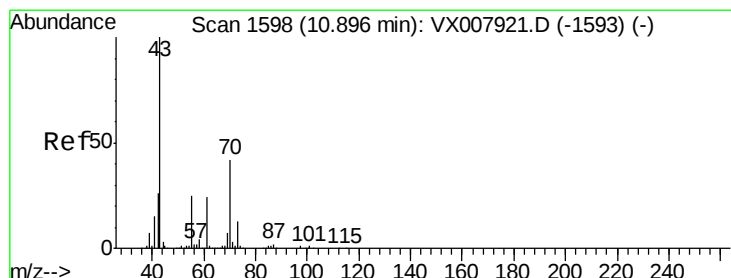
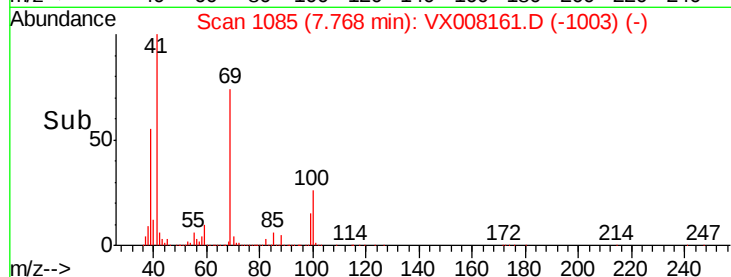
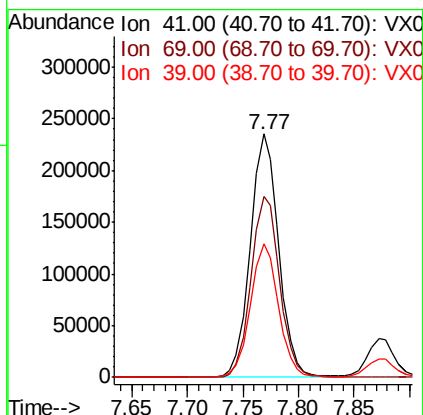
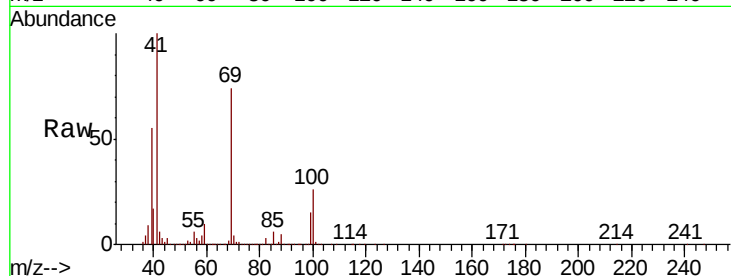




#46
Methyl methacrylate
Concen: 101.071 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

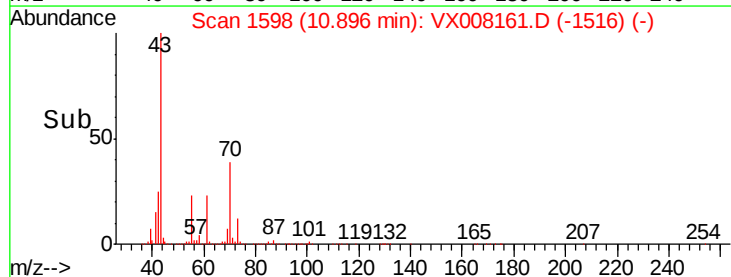
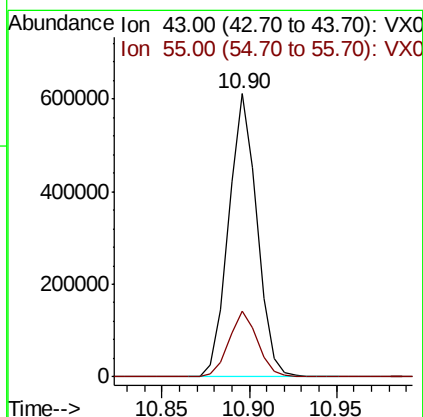
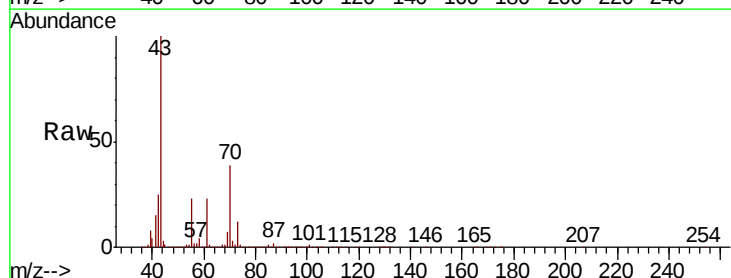
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

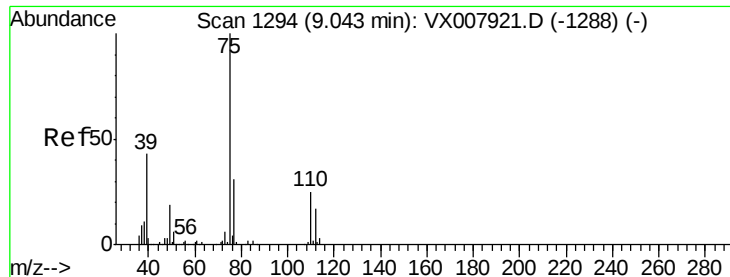
Tgt Ion: 41 Resp: 417595
Ion Ratio Lower Upper
41 100
69 74.2 44.2 132.6
39 54.9 29.9 89.8



#47
n-ethyl acetate
Concen: 102.111 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

Tgt Ion: 43 Resp: 688637
Ion Ratio Lower Upper
43 100
55 23.4 20.8 31.2





#48

t-1,3-Dichloropropene

Concen: 109.907 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

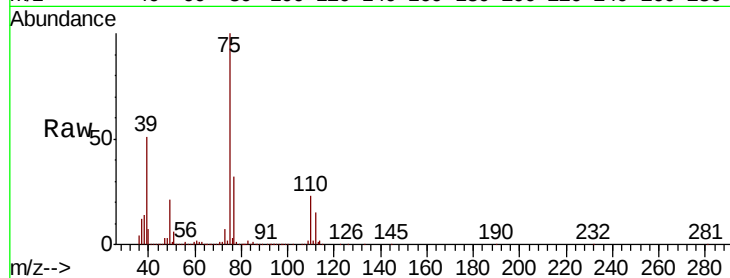
VSTDIC100

Tgt Ion: 75 Resp: 459115

Ion Ratio Lower Upper

75 100

77 31.8 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.04

300000

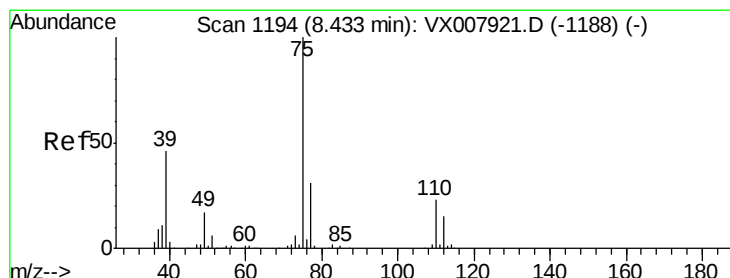
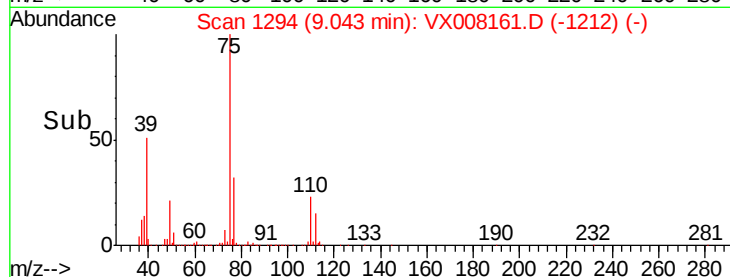
200000

100000

0

8.95 9.00 9.05 9.10

Time-->



#49

cis-1,3-Dichloropropene

Concen: 106.633 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

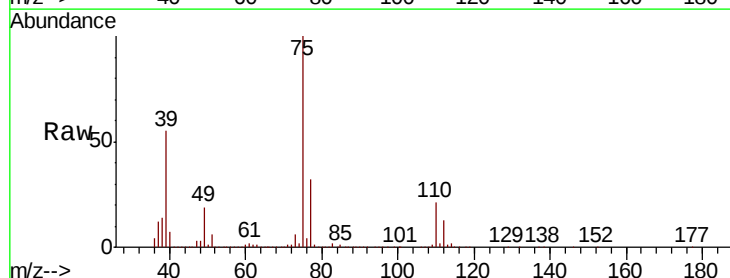
Tgt Ion: 75 Resp: 500683

Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4

39 54.9 38.5 57.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

400000

300000

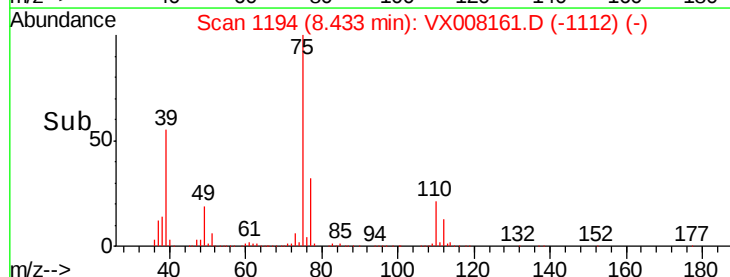
200000

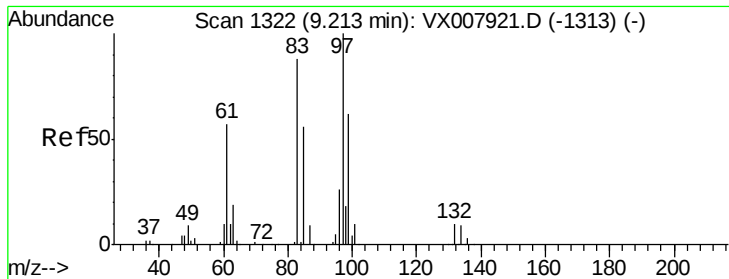
100000

0

8.35 8.40 8.45 8.50

Time-->

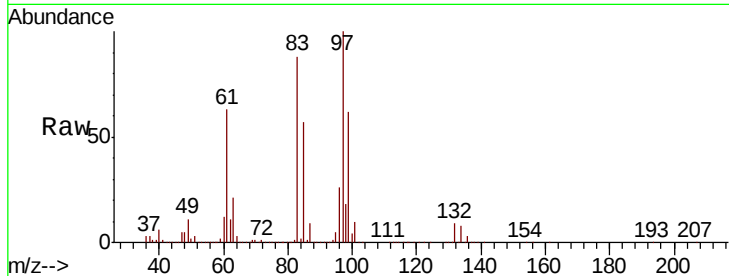




#50
 1,1,2-Trichloroethane
 Concen: 96.512 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tgt Ion:	97	Resp:	284464
Ion	Ratio	Lower	Upper
97	100		
83	87.6	72.0	108.0
85	56.8	45.0	67.6
99	62.0	54.2	81.4



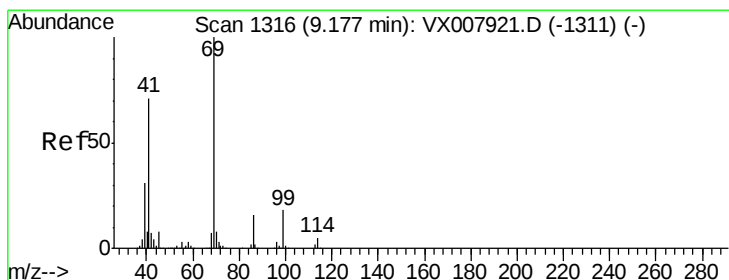
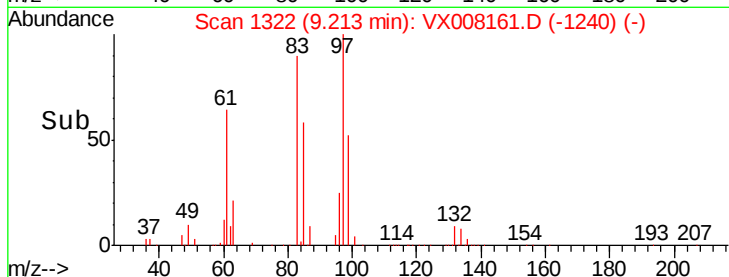
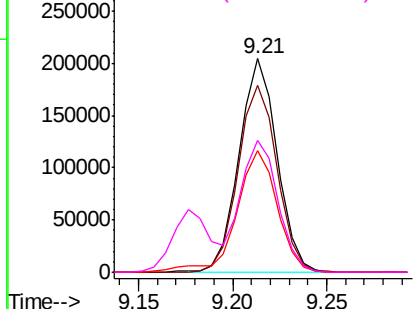
Abundance

Ion 97.00 (96.70 to 97.70): VX0

Ion 82.95 (82.65 to 83.65): VX0

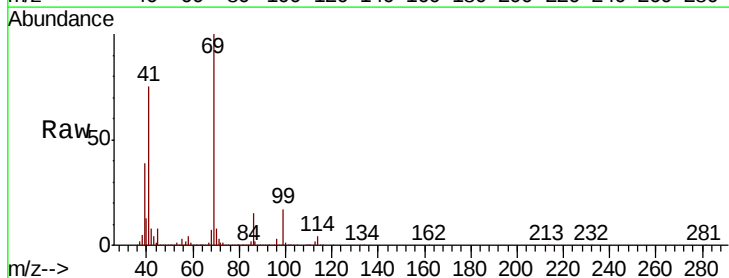
Ion 84.95 (84.65 to 85.65): VX0

Ion 98.95 (98.65 to 99.65): VX0



#51
 Ethyl methacrylate
 Concen: 101.176 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

Tgt Ion:	69	Resp:	476307
Ion	Ratio	Lower	Upper
69	100		
41	74.6	32.1	96.5
39	38.4	18.8	56.3

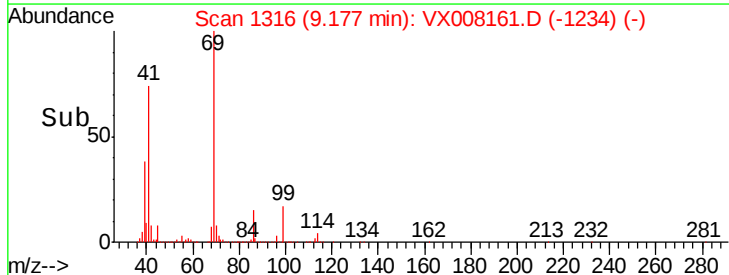
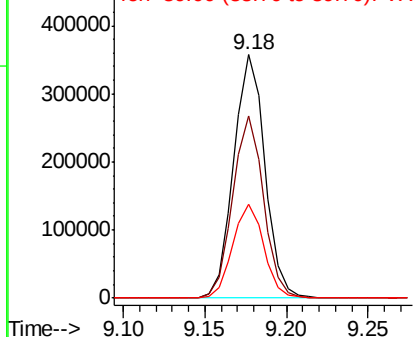


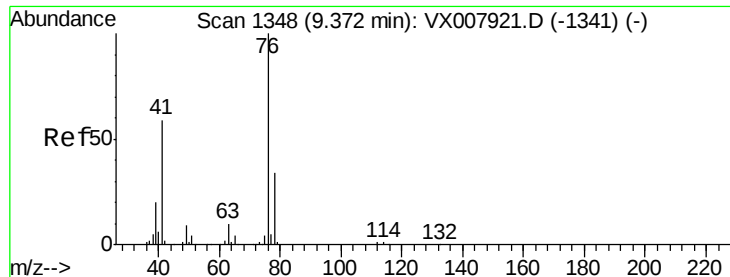
Abundance

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: 95.269 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

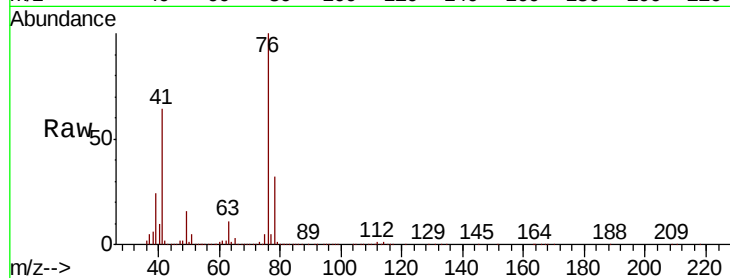
VSTDIC100

Tgt Ion: 76 Resp: 510907

Ion Ratio Lower Upper

76 100

78 32.0 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX007921.D (-1341) (-)

Ion 78.00 (77.70 to 78.70): VX007921.D (-1341) (-)

9.37

400000

300000

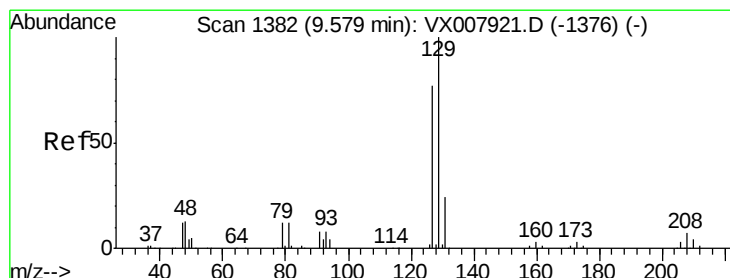
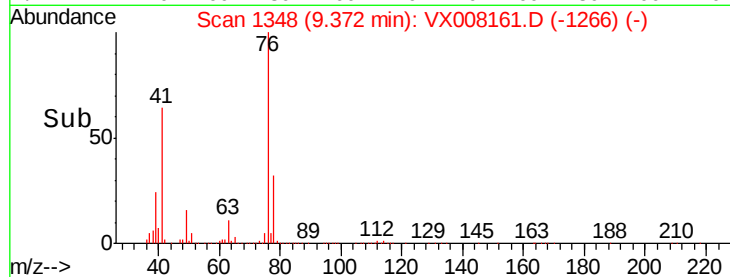
200000

100000

0

Time-->

9.30 9.35 9.40 9.45



#53

Dibromochloromethane

Concen: 101.926 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008161.D

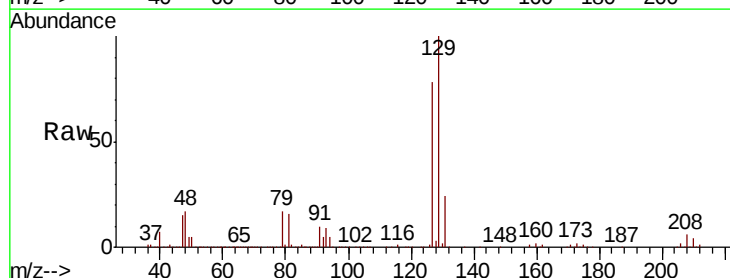
Acq: 18 Mar 2019 11:42

Tgt Ion: 129 Resp: 286831

Ion Ratio Lower Upper

129 100

127 78.5 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): VX007921.D (-1376) (-)

Ion 127.00 (126.70 to 127.70): VX007921.D (-1376) (-)

9.58

200000

150000

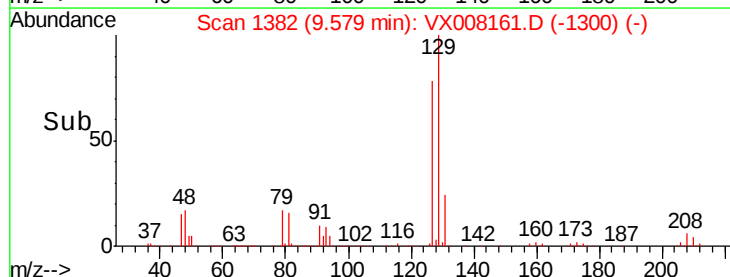
100000

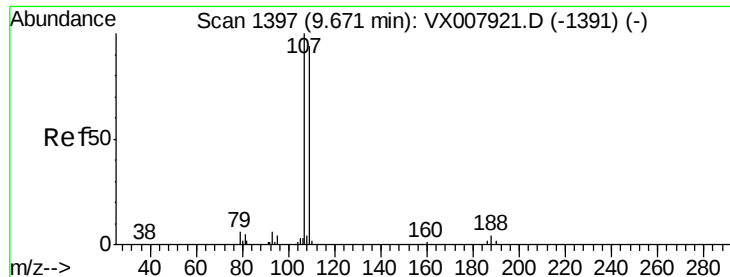
50000

0

Time-->

9.50 9.55 9.60 9.65





#54

1,2-Dibromoethane

Concen: 95.241 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

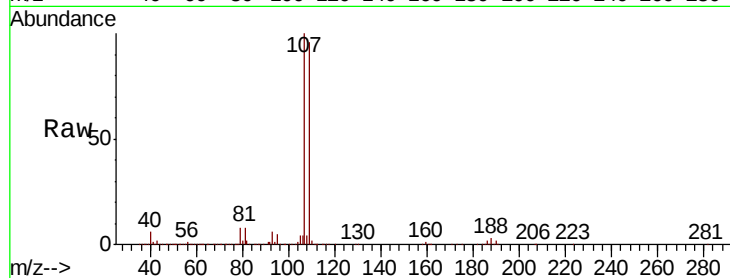
VSTDIC100

Tgt Ion:107 Resp: 300650

Ion Ratio Lower Upper

107 100

109 94.7 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

250000

200000

150000

100000

50000

0

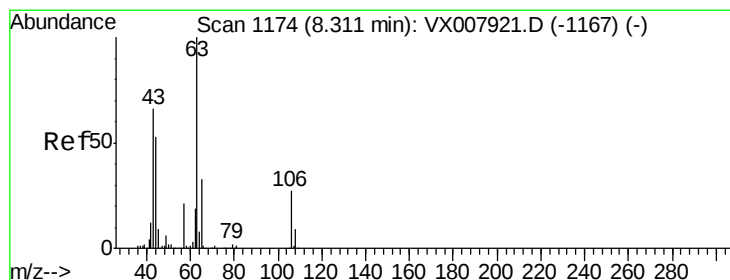
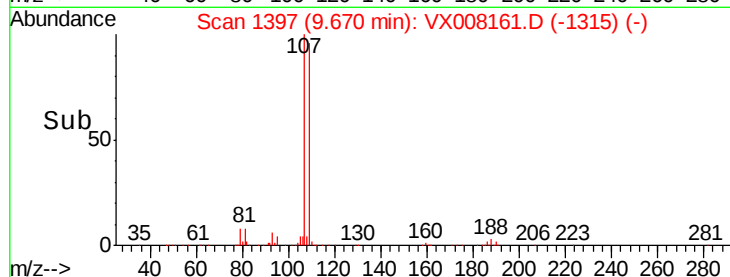
9.60

9.65

9.70

9.75

Time-->



#55

2-Chloroethyl vinyl ether

Concen: 526.814 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

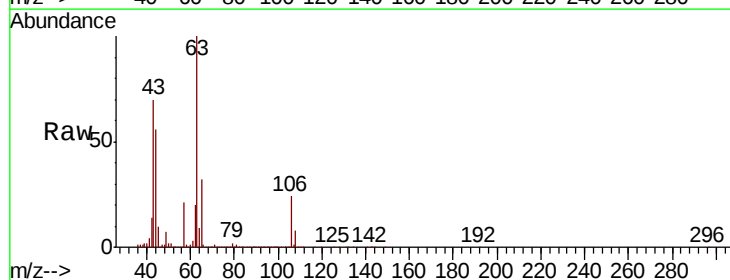
Tgt Ion: 63 Resp: 1850601

Ion Ratio Lower Upper

63 100

65 32.2 25.7 38.5

106 24.5 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

1500000

1000000

500000

0

8.25

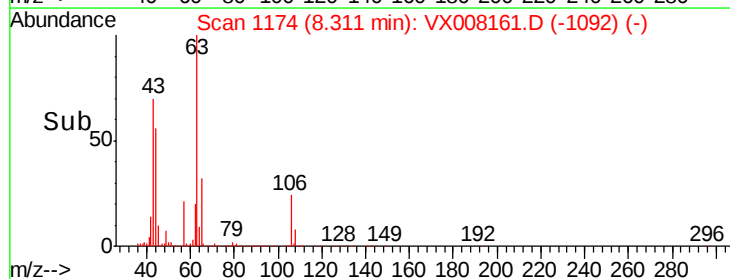
8.30

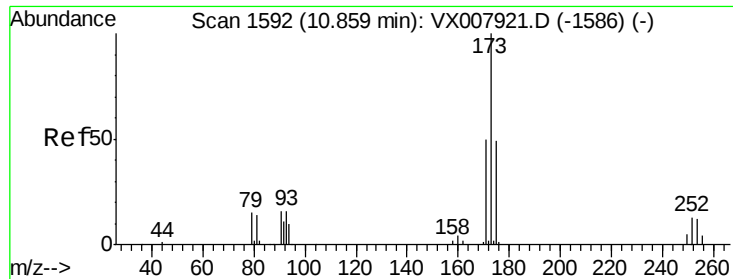
8.35

8.40

8.45

Time-->

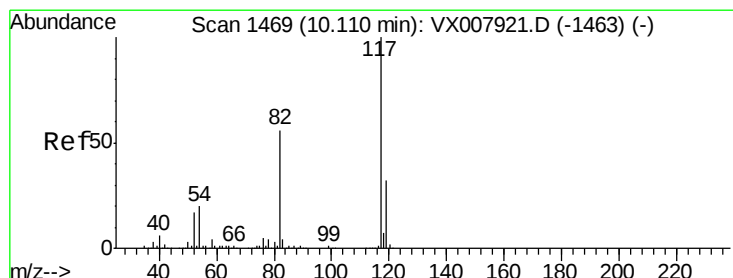
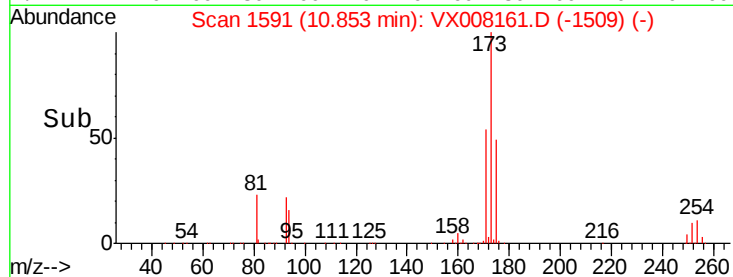
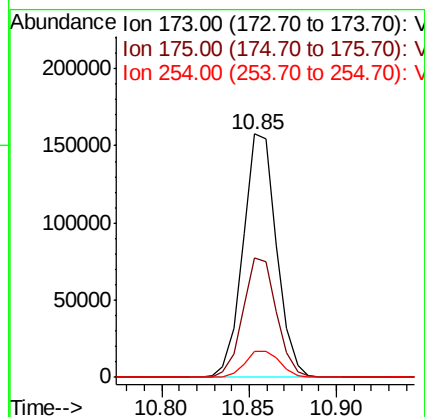
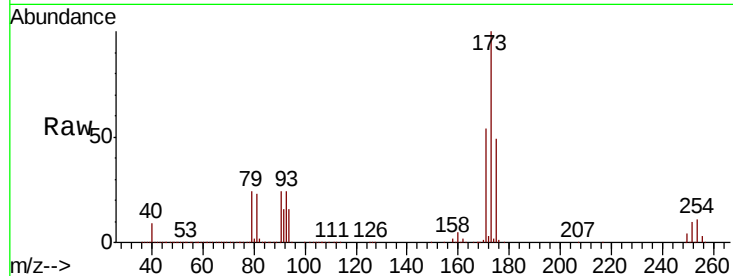




#56
Bromoform
Concen: 105.019 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

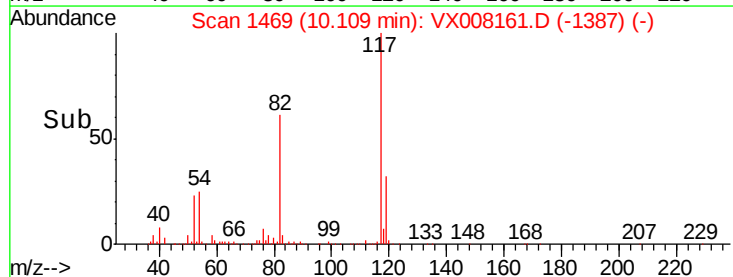
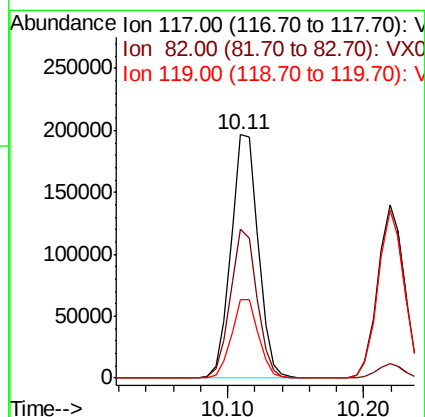
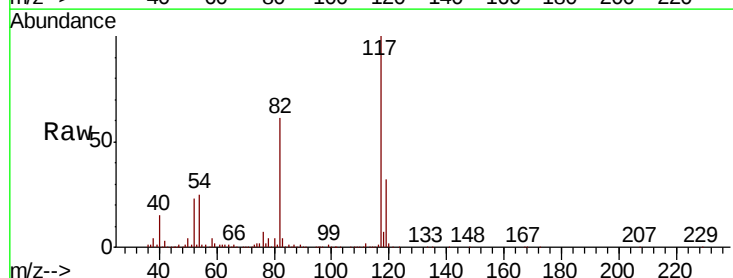
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

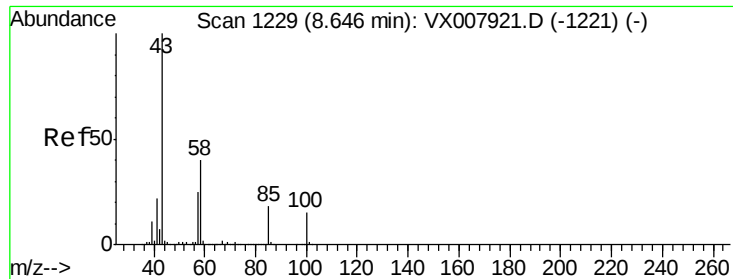
Tgt Ion:173 Resp: 209566
Ion Ratio Lower Upper
173 100
175 49.3 38.5 57.7
254 11.3 7.4 11.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

Tgt Ion:117 Resp: 273802
Ion Ratio Lower Upper
117 100
82 59.5 40.4 60.6
119 32.1 25.8 38.6

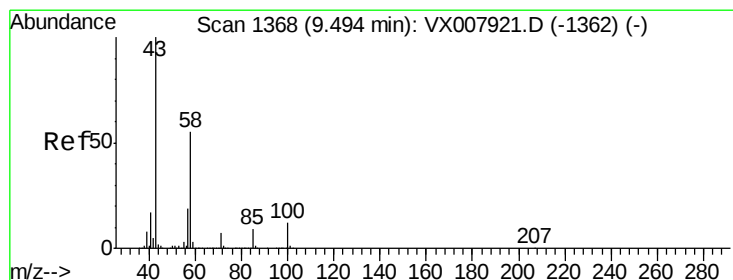
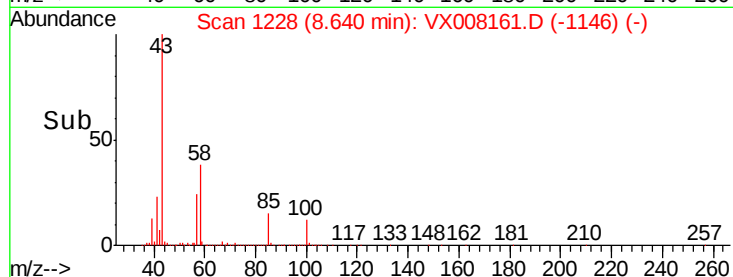
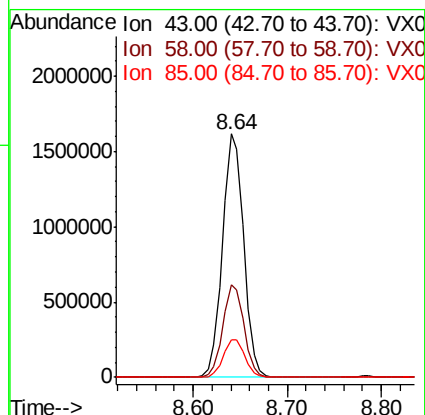
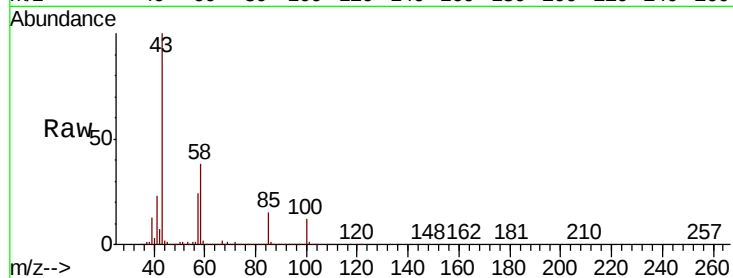




#58
 4-Methyl-2-Pentanone
 Concen: 483.415 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

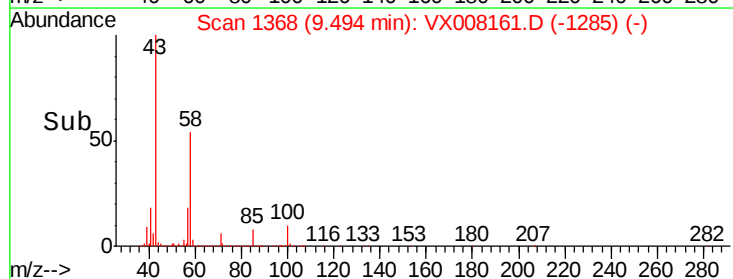
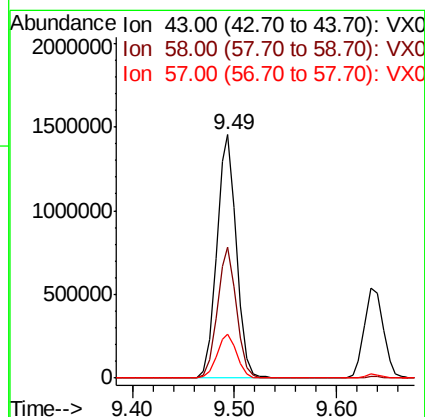
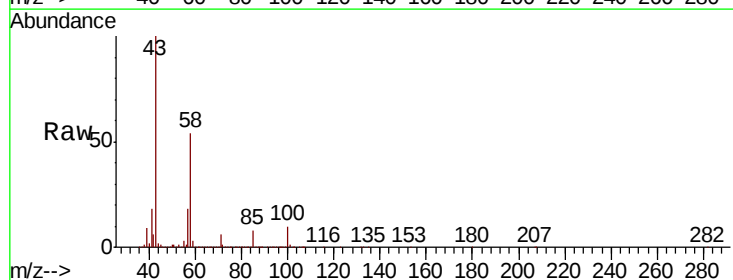
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

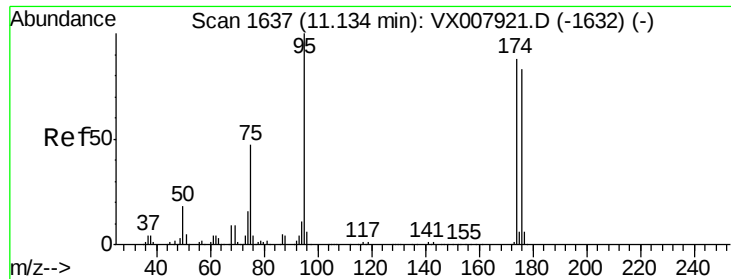
Tgt Ion: 43 Resp: 2519558
 Ion Ratio Lower Upper
 43 100
 58 37.7 31.4 47.0
 85 15.9 15.0 22.6



#59
 2-Hexanone
 Concen: 463.085 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

Tgt Ion: 43 Resp: 1966716
 Ion Ratio Lower Upper
 43 100
 58 52.6 43.9 65.9
 57 18.2 14.9 22.3

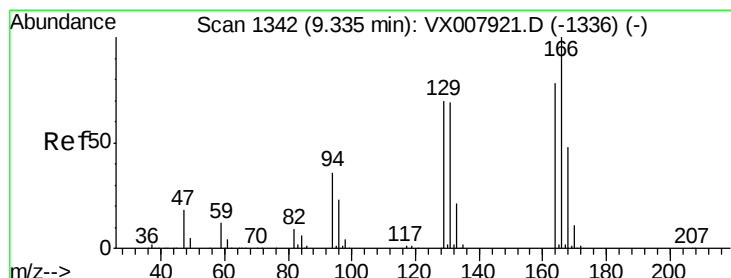
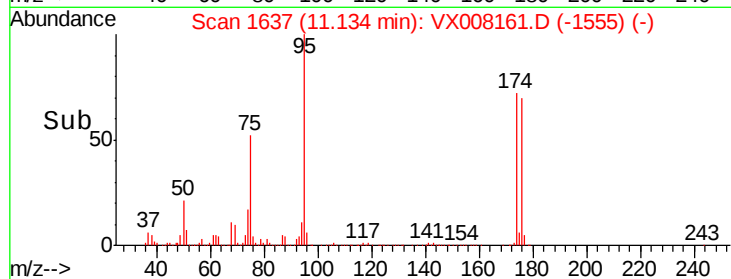
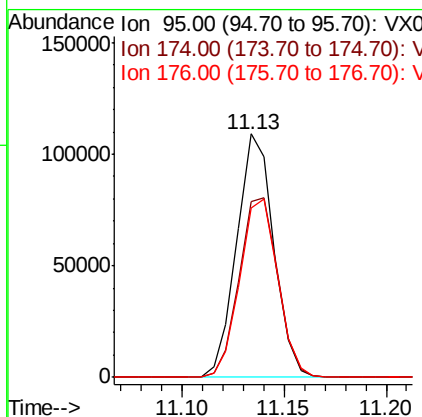
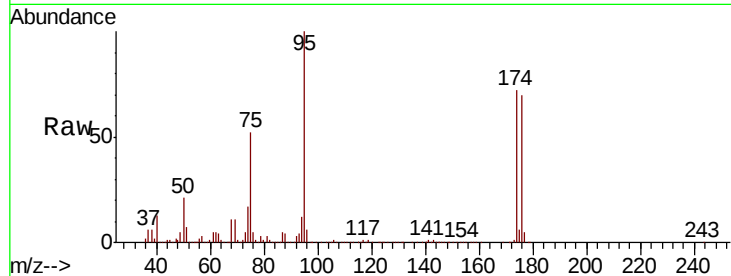




#60
4-Bromofluorobenzene
Concen: 29.790 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

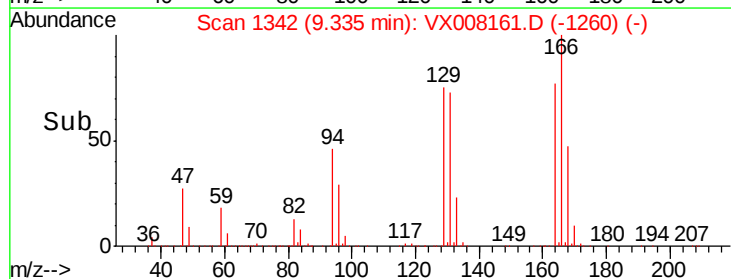
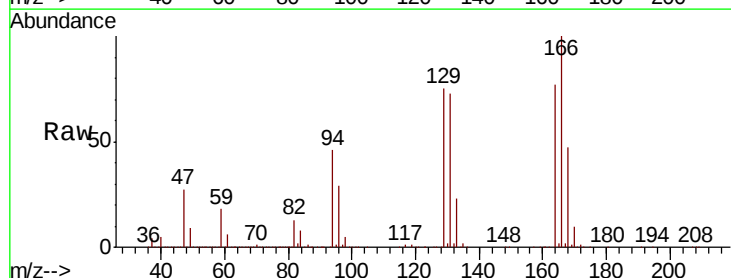
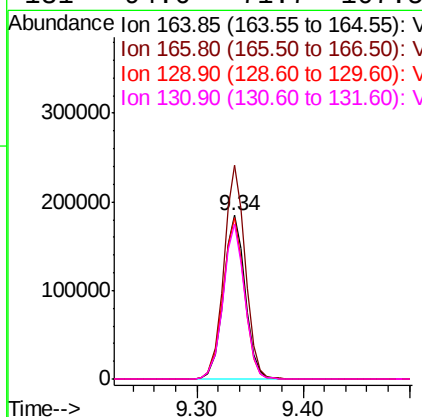
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

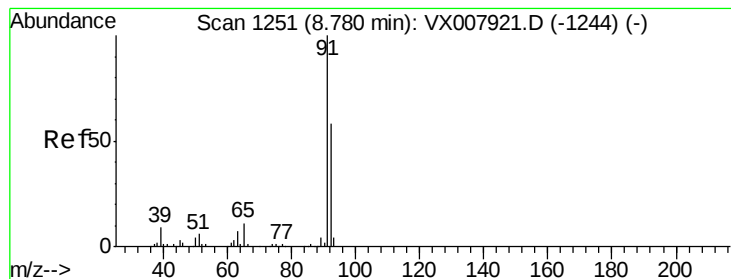
Tgt Ion: 95 Resp: 137157
Ion Ratio Lower Upper
95 100
174 77.7 74.9 112.3
176 75.6 70.7 106.1



#61
Tetrachloroethene
Concen: 96.897 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

Tgt Ion: 164 Resp: 261309
Ion Ratio Lower Upper
164 100
166 130.5 103.9 155.9
129 98.4 74.7 112.1
131 94.6 71.7 107.5





#62

Toluene

Concen: 98.040 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

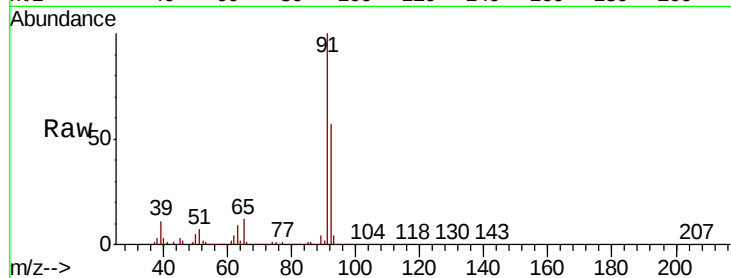
VSTDIC100

Tgt Ion: 91 Resp: 1233158

Ion Ratio Lower Upper

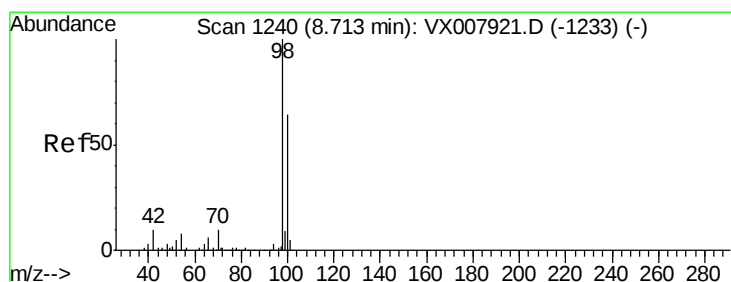
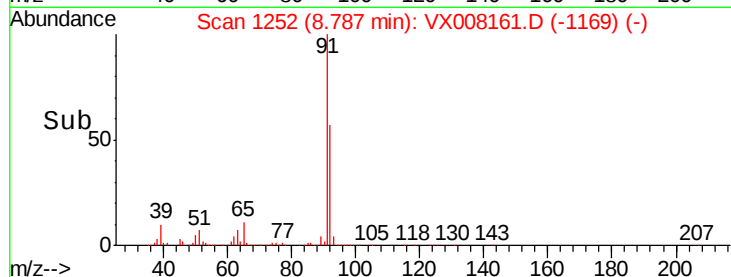
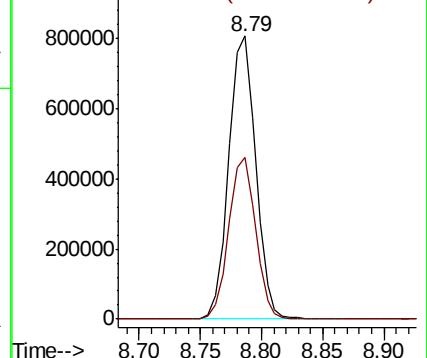
91 100

92 57.2 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



#63

Toluene-d8

Concen: 29.805 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008161.D

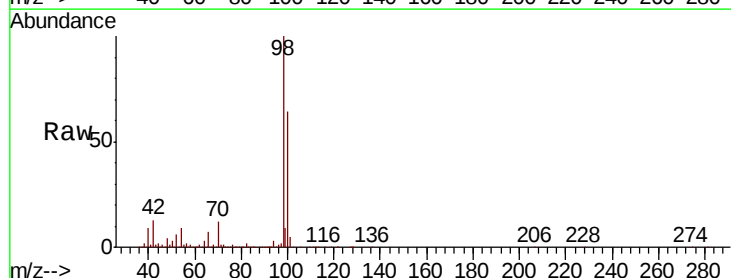
Acq: 18 Mar 2019 11:42

Tgt Ion: 98 Resp: 400387

Ion Ratio Lower Upper

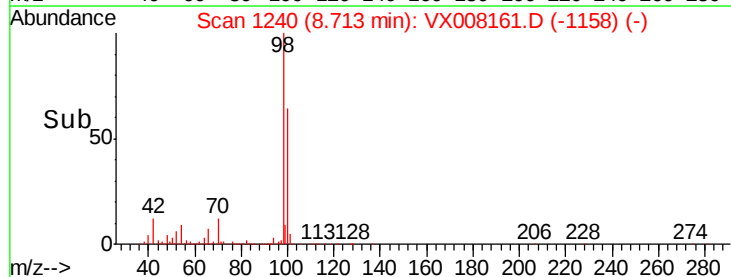
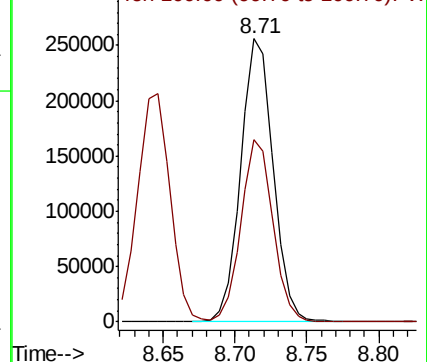
98 100

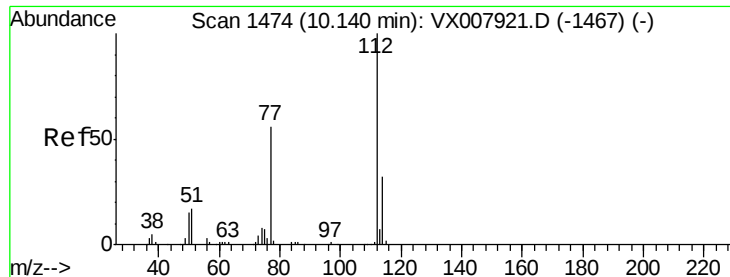
100 62.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#64

Chlorobenzene

Concen: 98.035 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

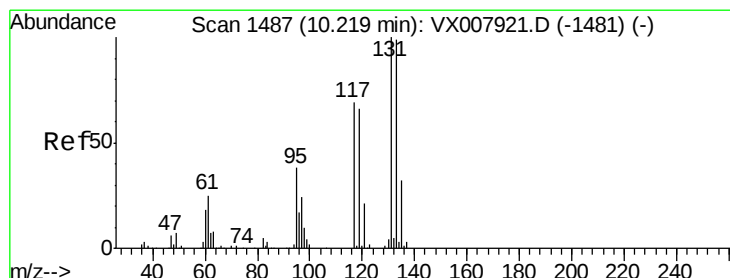
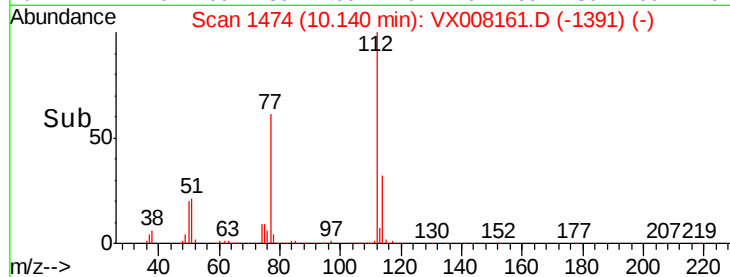
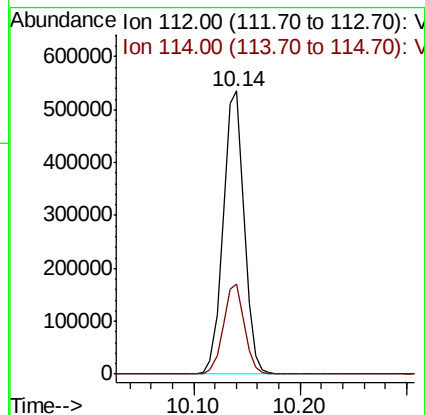
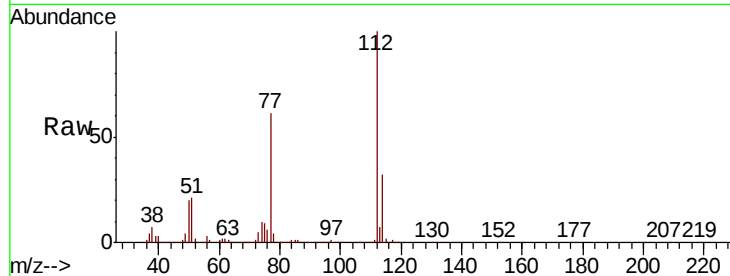
VSTDIC100

Tgt Ion:112 Resp: 737702

Ion Ratio Lower Upper

112 100

114 31.9 25.4 38.2



#65

1,1,1,2-Tetrachloroethane

Concen: 104.186 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

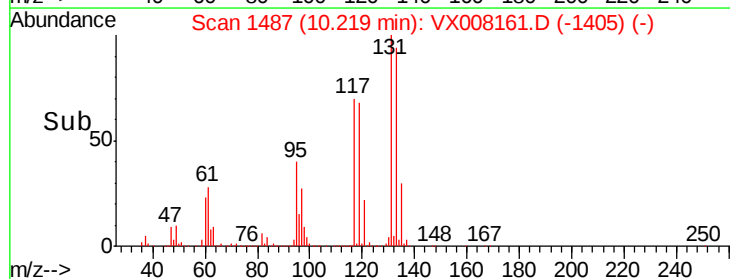
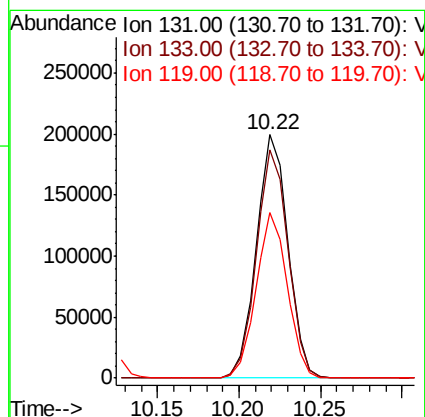
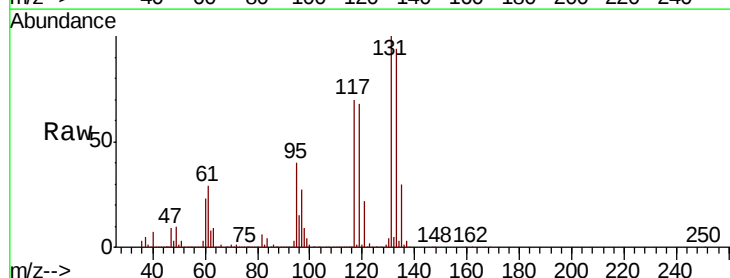
Tgt Ion:131 Resp: 269218

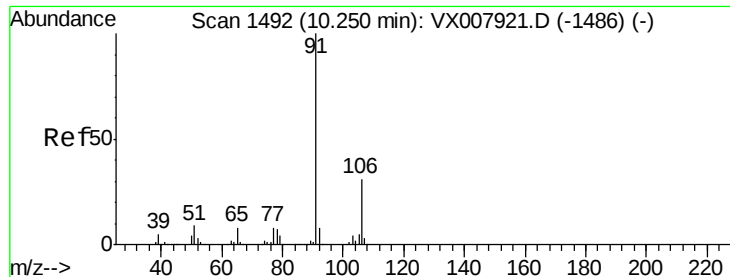
Ion Ratio Lower Upper

131 100

133 94.0 0.0 191.6

119 67.3 0.0 127.4





#66

Ethyl Benzene

Concen: 101.663 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

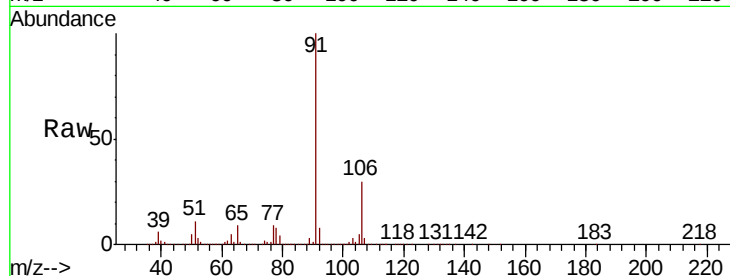
VSTDIC100

Tgt Ion: 91 Resp: 1345685

Ion Ratio Lower Upper

91 100

106 30.4 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX007921.D (-1486) (-)

Ion 106.00 (105.70 to 106.70): VX007921.D (-1486) (-)

1500000

1000000

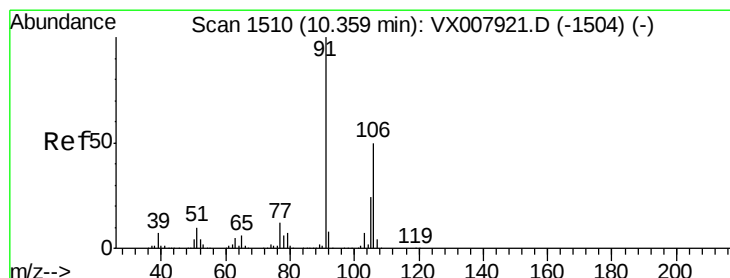
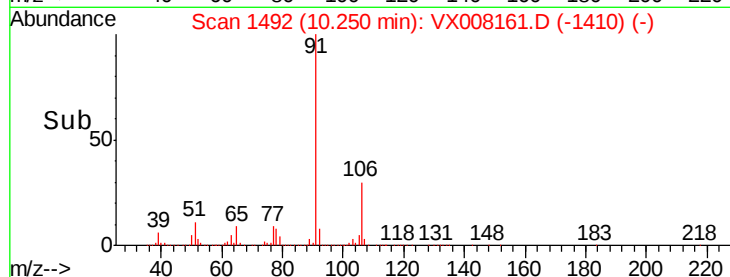
500000

0

10.25

10.30

Time-->



#67

m/p-Xylenes

Concen: 203.682 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008161.D

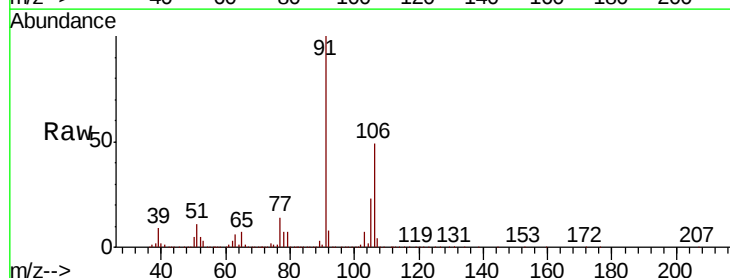
Acq: 18 Mar 2019 11:42

Tgt Ion: 106 Resp: 996649

Ion Ratio Lower Upper

106 100

91 209.3 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): VX007921.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX007921.D (-1504) (-)

1500000

1000000

500000

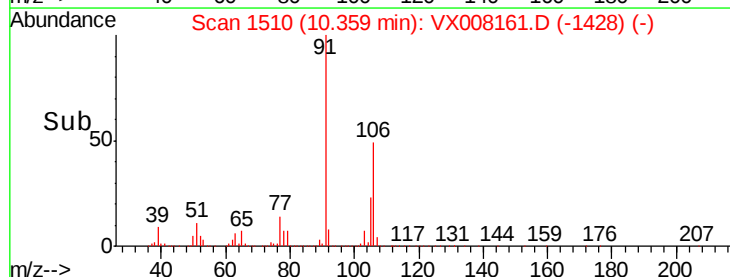
0

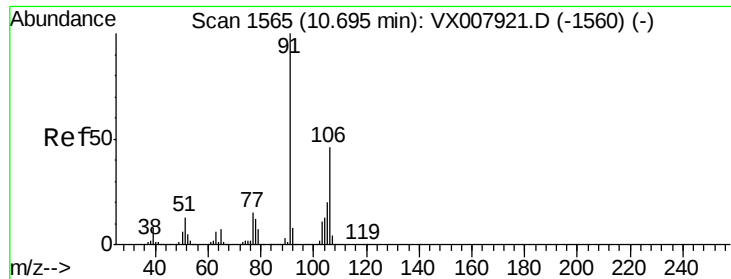
10.36

10.40

10.50

Time-->

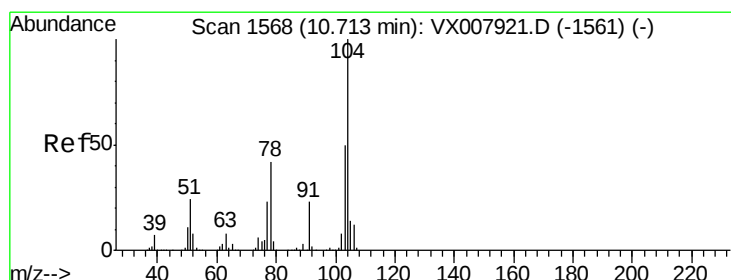
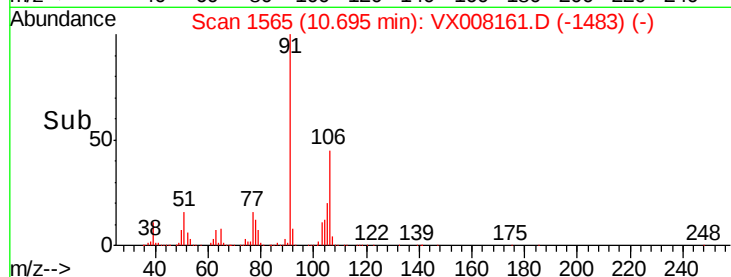
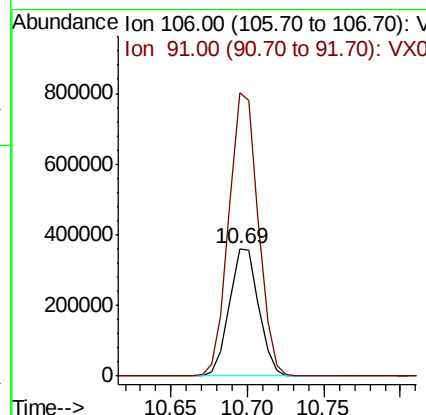
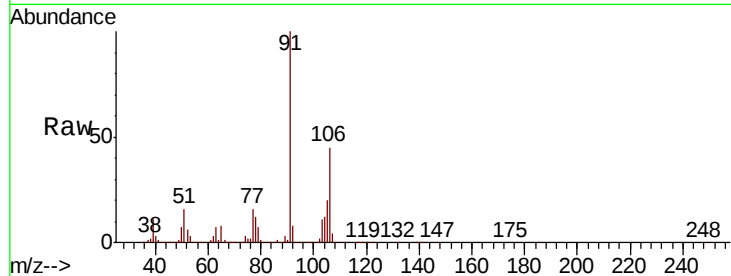




#68
o-Xylene
Concen: 101.867 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

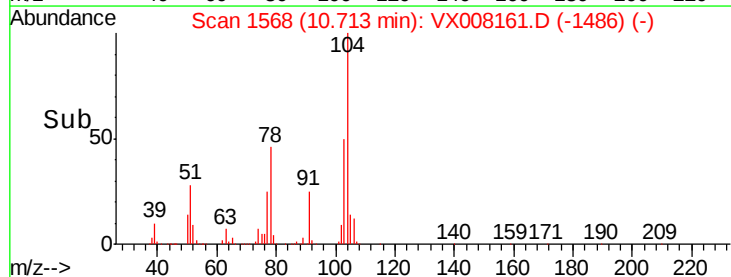
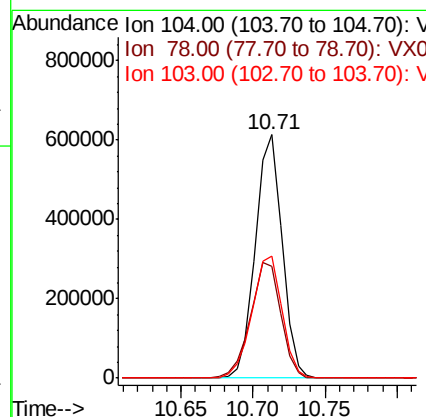
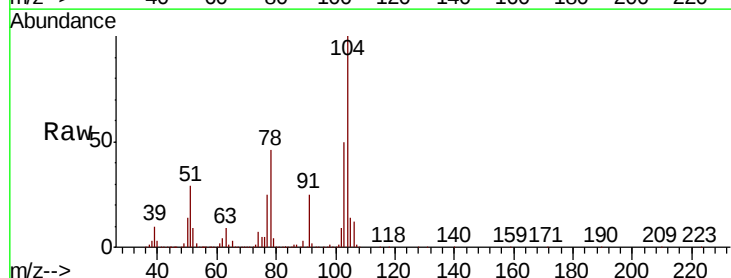
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

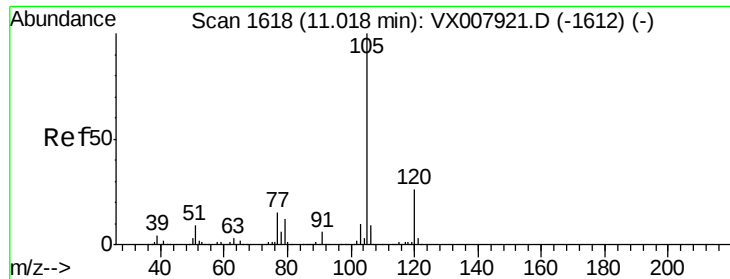
Tgt Ion:106 Resp: 481023
Ion Ratio Lower Upper
106 100
91 221.4 104.4 313.2



#69
Styrene
Concen: 102.460 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

Tgt Ion:104 Resp: 785570
Ion Ratio Lower Upper
104 100
78 53.8 38.2 57.2
103 56.4 45.0 67.4





#70

Isopropylbenzene

Concen: 100.122 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

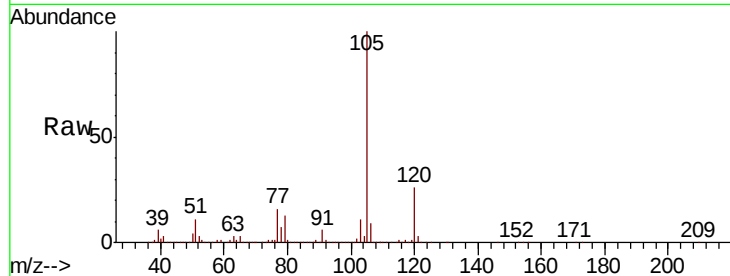
VSTDIC100

Tgt Ion:105 Resp: 1275452

Ion Ratio Lower Upper

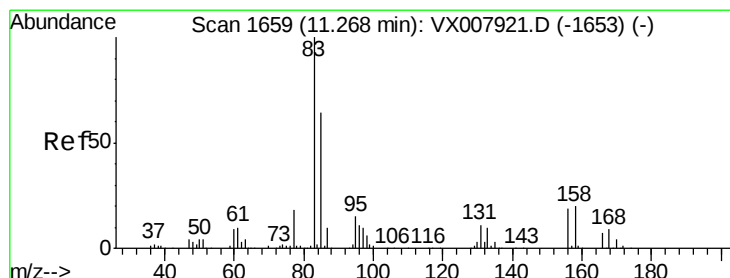
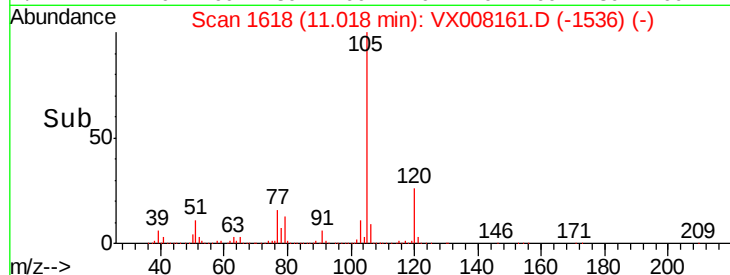
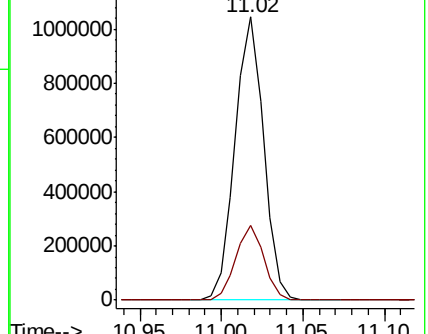
105 100

120 25.9 19.8 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 94.393 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

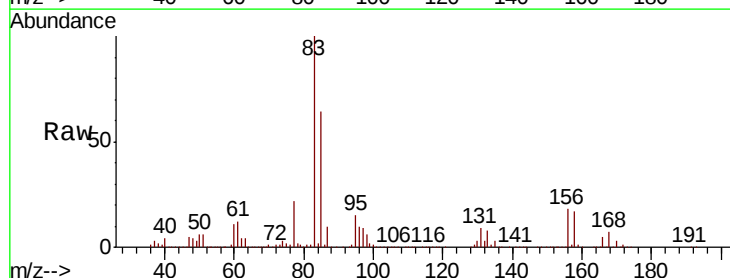
Tgt Ion: 83 Resp: 438502

Ion Ratio Lower Upper

83 100

131 9.2 5.4 16.2

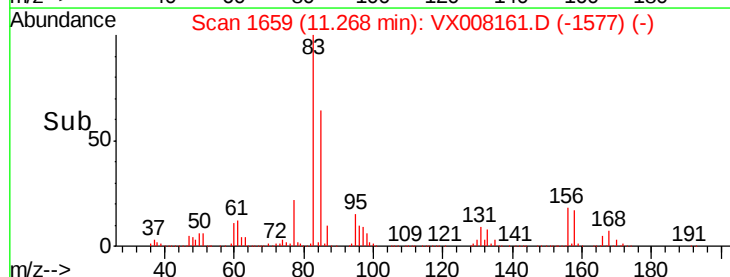
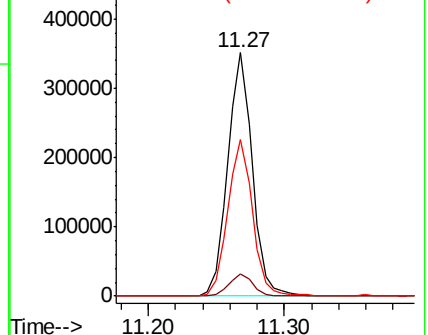
85 64.7 32.8 98.4

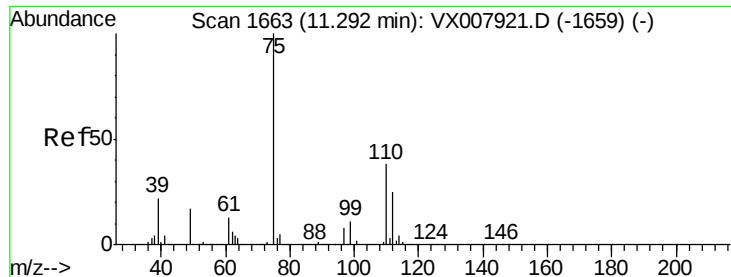


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0





#72

1,2,3-Trichloropropane

Concen: 134.489 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

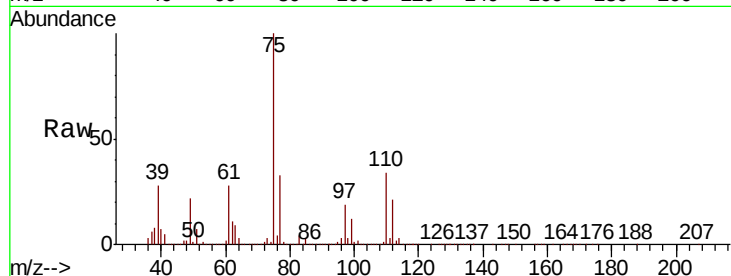
VSTDIC100

Tgt Ion: 75 Resp: 546962

Ion Ratio Lower Upper

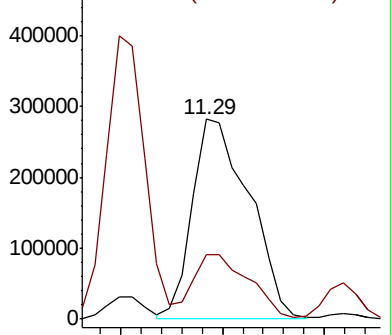
75 100

77 32.2 0.0 76.4

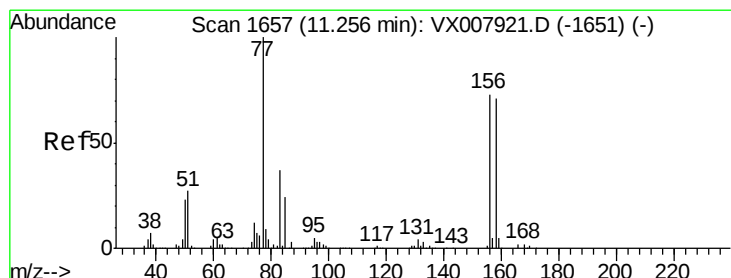
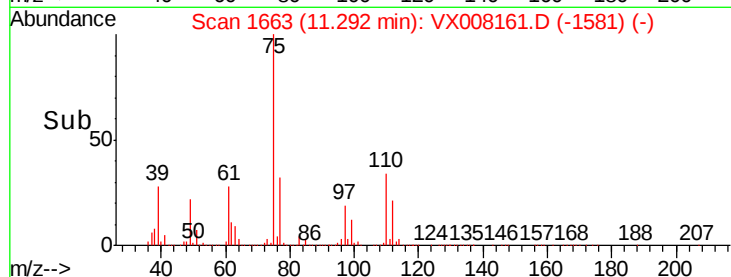


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#73

Bromobenzene

Concen: 99.305 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

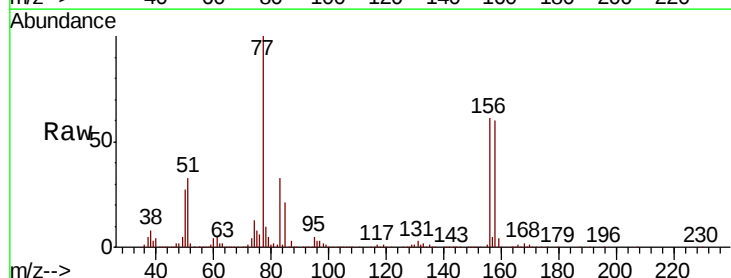
Tgt Ion: 156 Resp: 298480

Ion Ratio Lower Upper

156 100

77 175.7 0.0 271.4

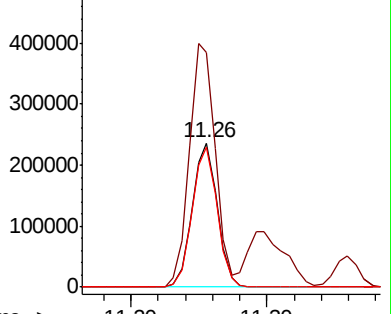
158 97.6 0.0 194.0



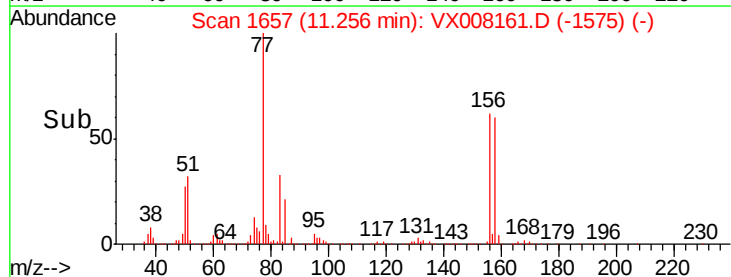
Abundance Ion 156.00 (155.70 to 156.70): V

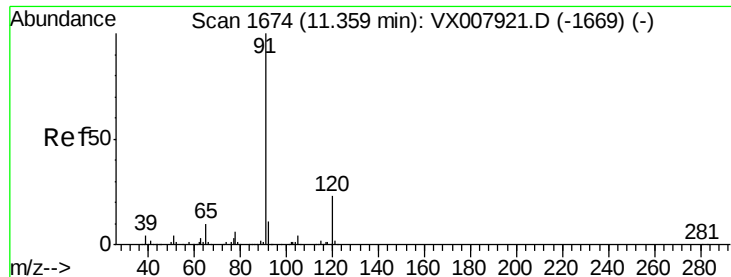
Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



Time-->





#74

n-propylbenzene

Concen: 103.773 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

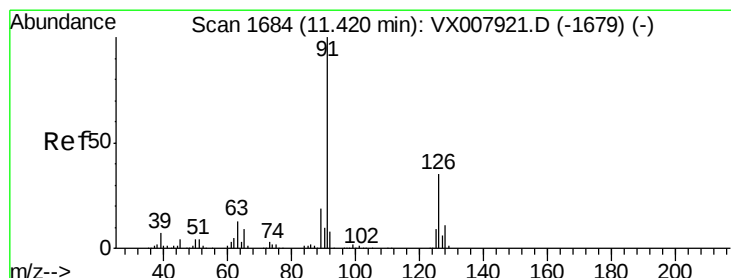
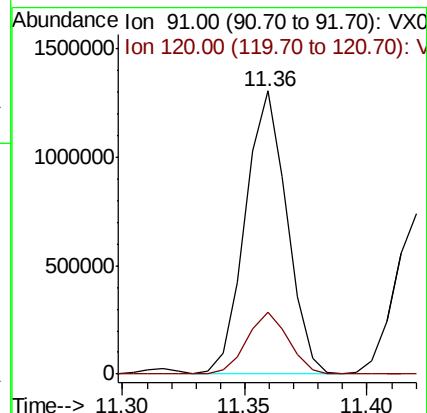
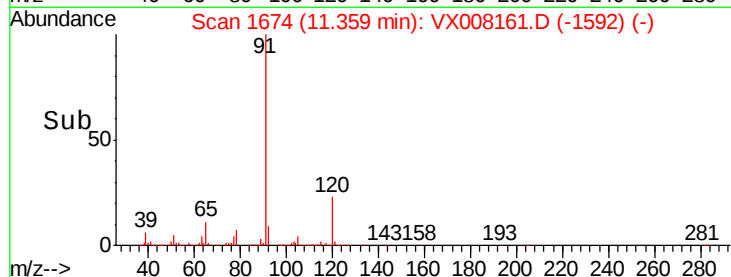
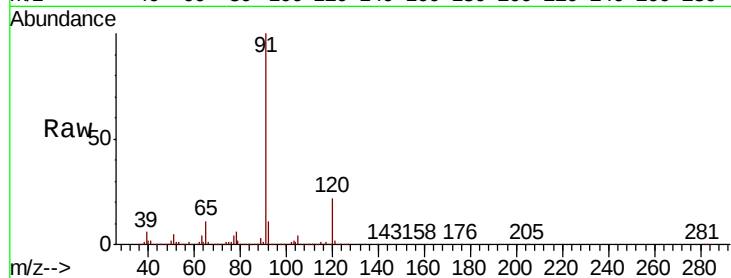
VSTDIC100

Tgt Ion: 91 Resp: 1541630

Ion Ratio Lower Upper

91 100

120 21.7 0.0 48.6



#75

2-Chlorotoluene

Concen: 98.734 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008161.D

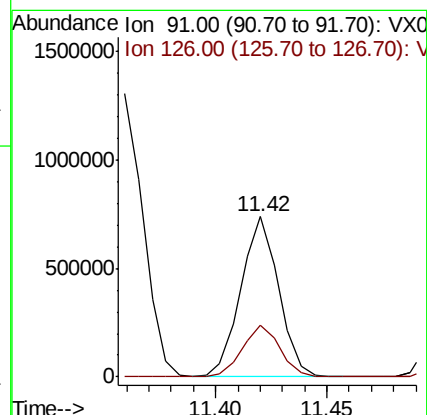
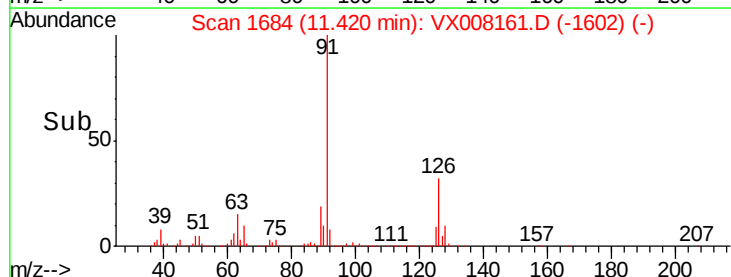
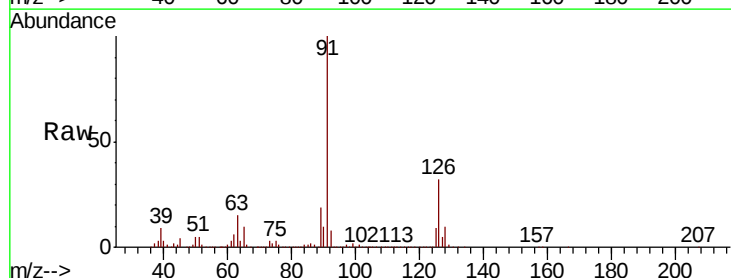
Acq: 18 Mar 2019 11:42

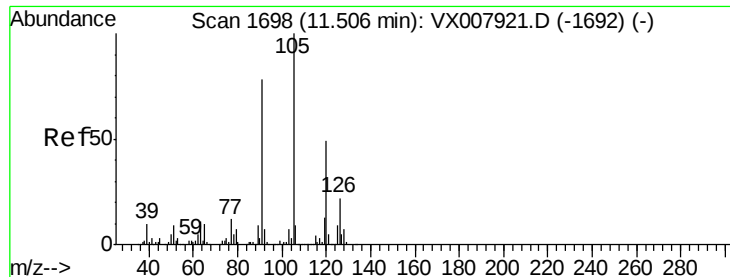
Tgt Ion: 91 Resp: 881437

Ion Ratio Lower Upper

91 100

126 32.0 0.0 75.2

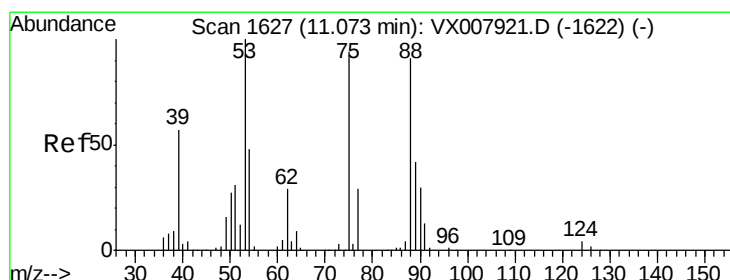
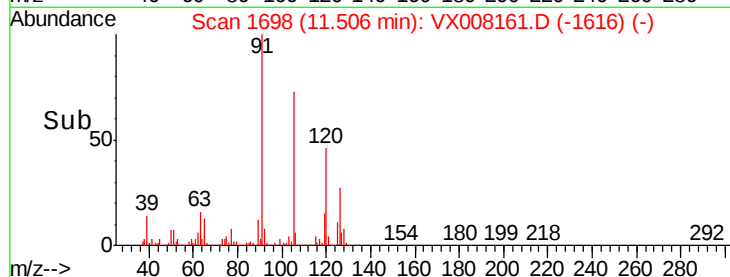
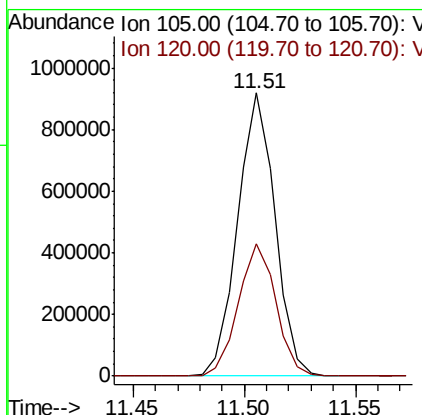
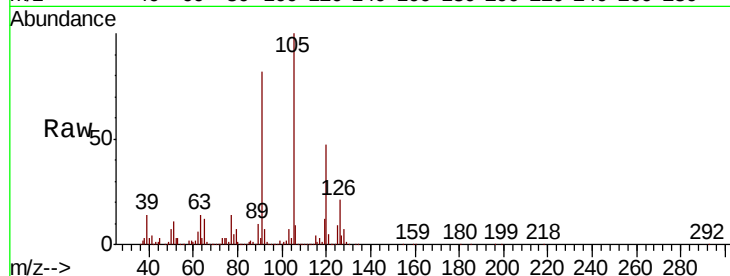




#76
 1,3,5-Trimethylbenzene
 Concen: 101.994 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

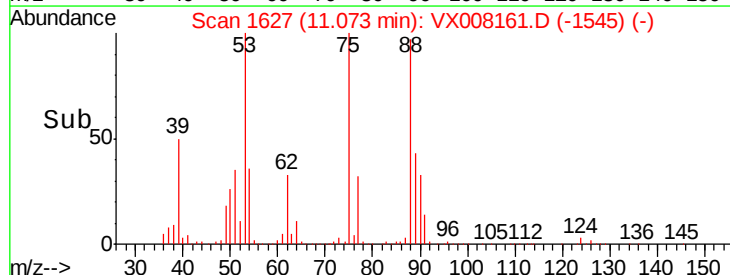
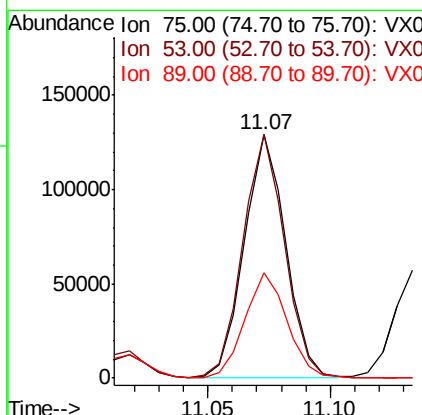
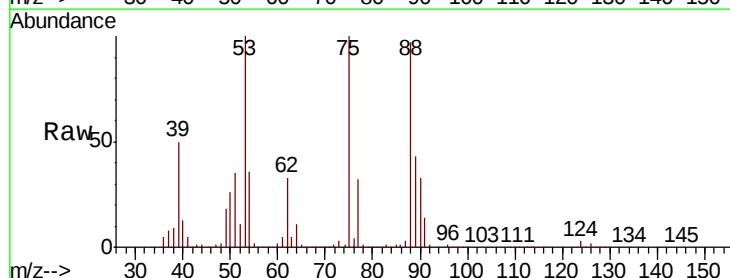
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

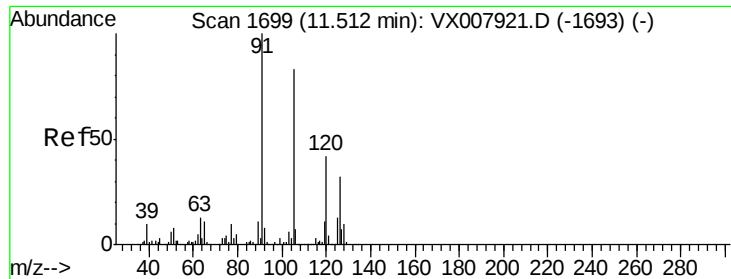
Tgt Ion: 105 Resp: 1073048
 Ion Ratio Lower Upper
 105 100
 120 46.9 0.0 101.0



#77
 t-1,4-Dichloro-2-butene
 Concen: 114.544 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

Tgt Ion: 75 Resp: 152182
 Ion Ratio Lower Upper
 75 100
 53 100.1 55.5 166.7
 89 43.3 24.4 73.2





#78

4-Chlorotoluene

Concen: 102.190 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

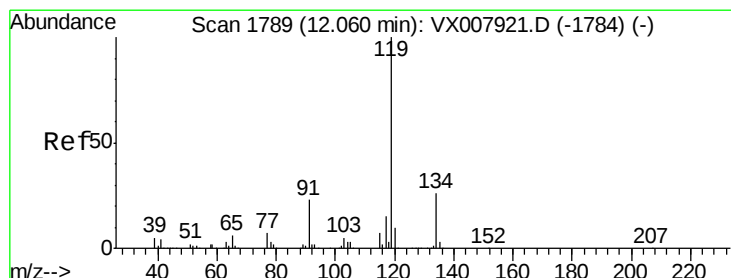
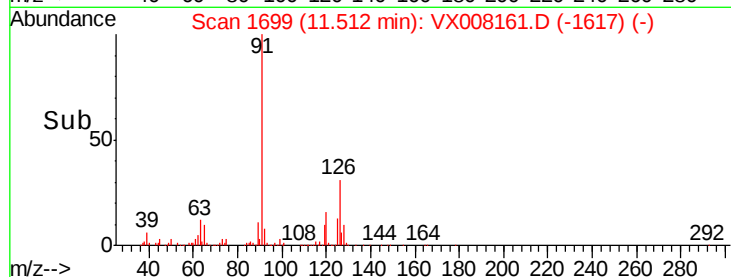
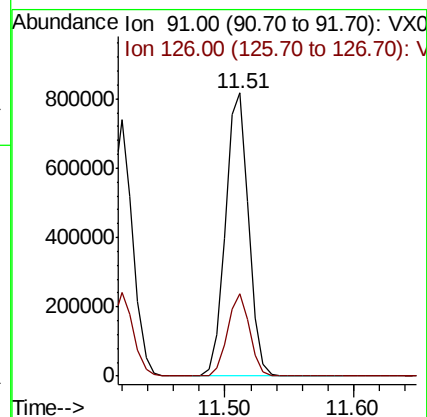
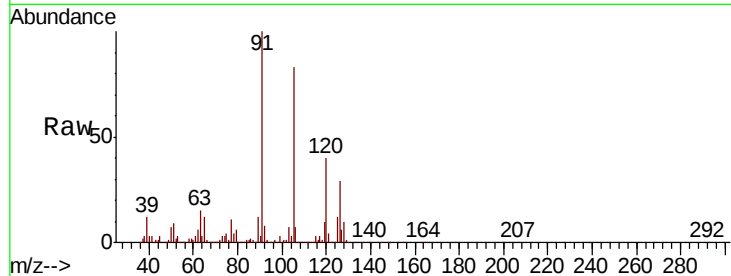
VSTDIC100

Tgt Ion: 91 Resp: 1033492

Ion Ratio Lower Upper

91 100

126 28.0 0.0 66.2



#79

tert-butylbenzene

Concen: 103.832 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

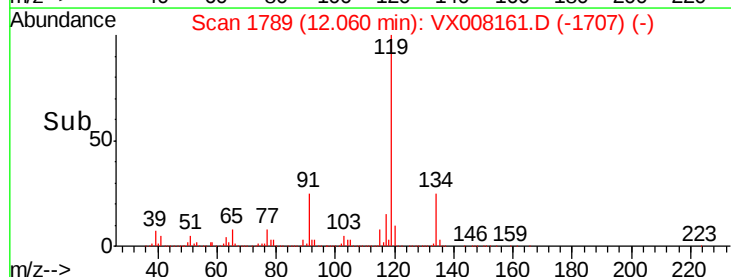
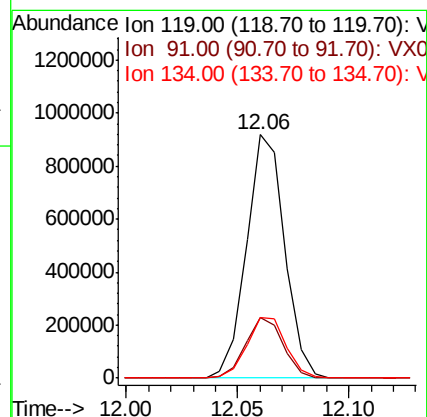
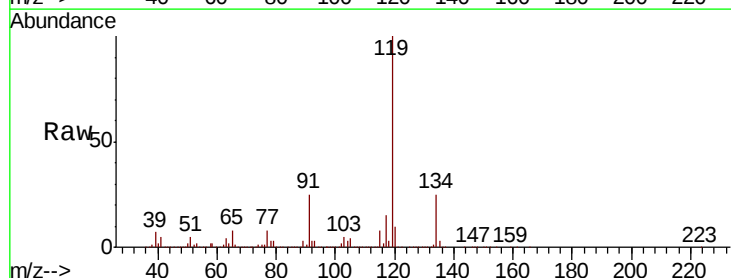
Tgt Ion: 119 Resp: 1093278

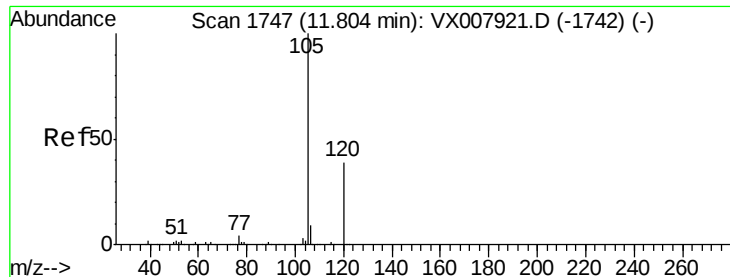
Ion Ratio Lower Upper

119 100

91 24.7 0.0 45.0

134 25.9 0.0 55.4

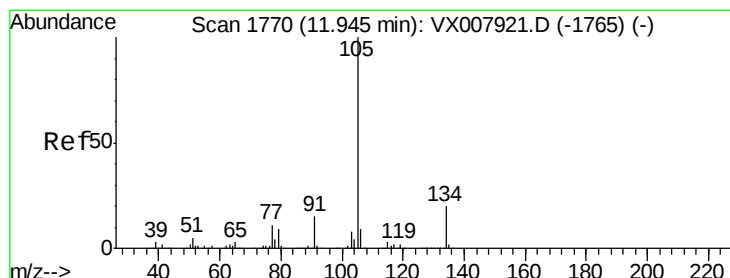
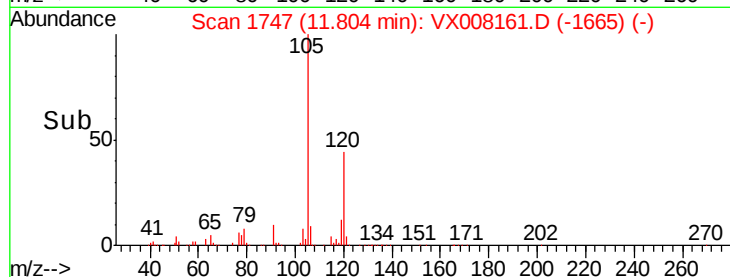
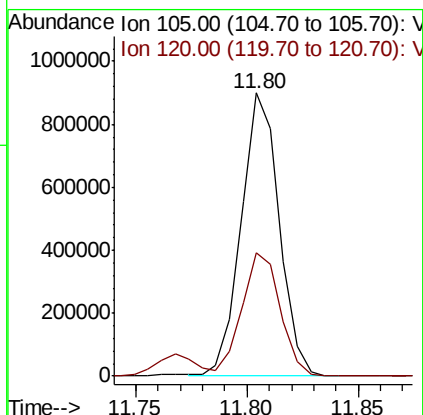
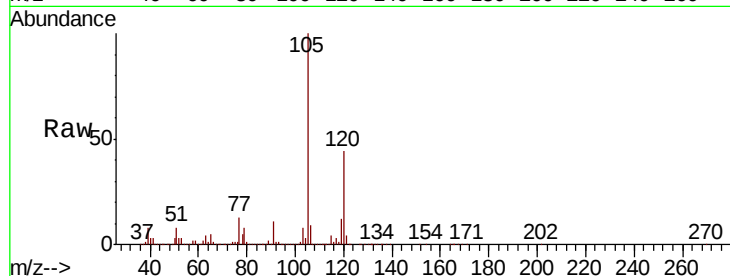




#80
1,2,4-Trimethylbenzene
Concen: 101.134 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

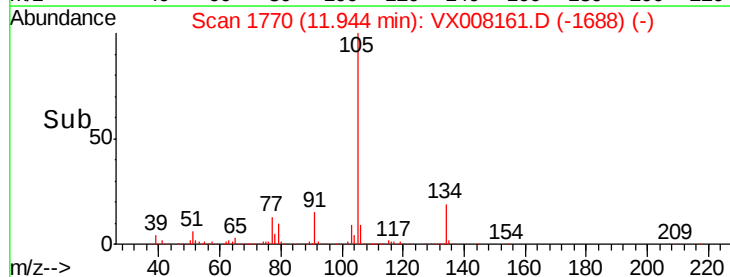
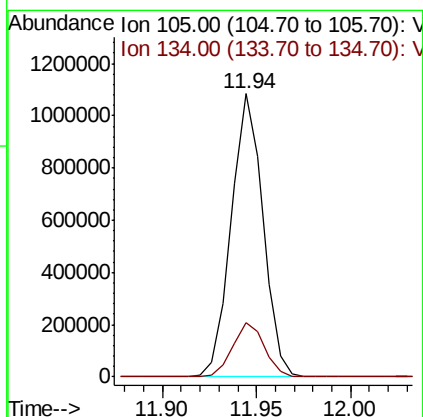
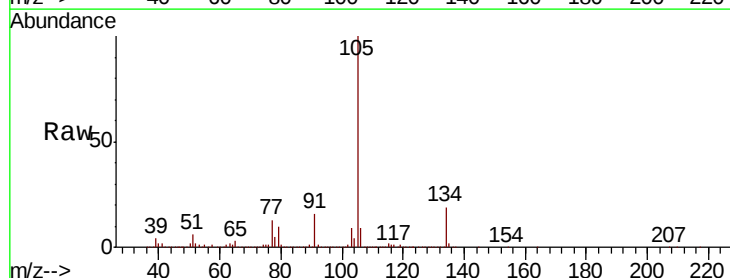
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

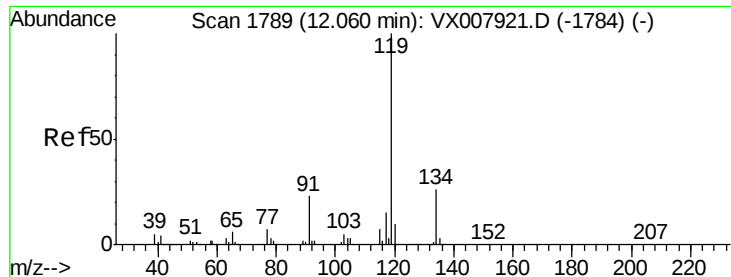
Tgt Ion:105 Resp: 1070383
Ion Ratio Lower Upper
105 100
120 43.7 0.0 94.0



#81
sec-Butylbenzene
Concen: 101.693 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

Tgt Ion:105 Resp: 1268773
Ion Ratio Lower Upper
105 100
134 19.1 0.0 41.8

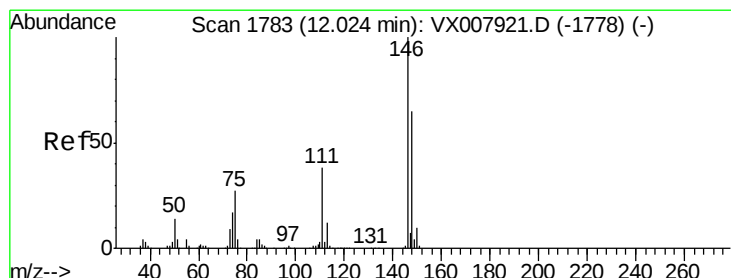
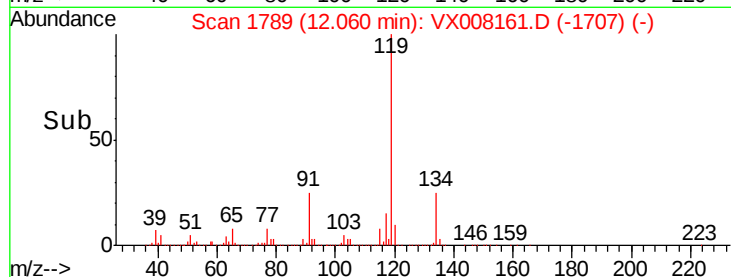
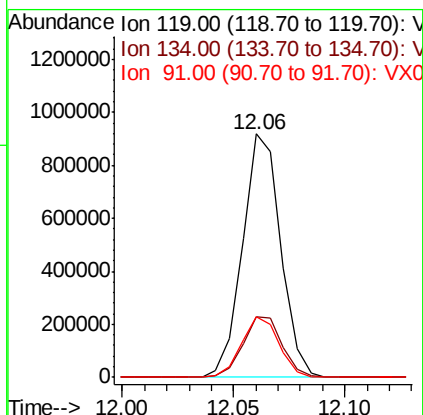
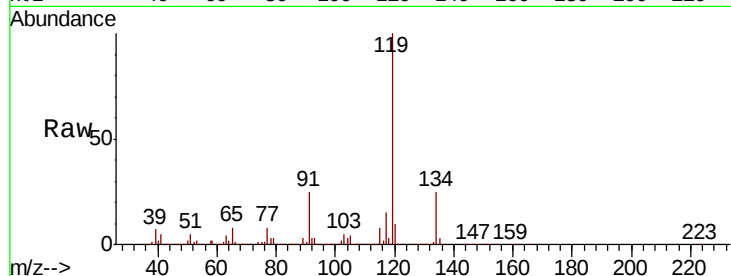




#82
p-Isopropyltoluene
Concen: 103.832 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

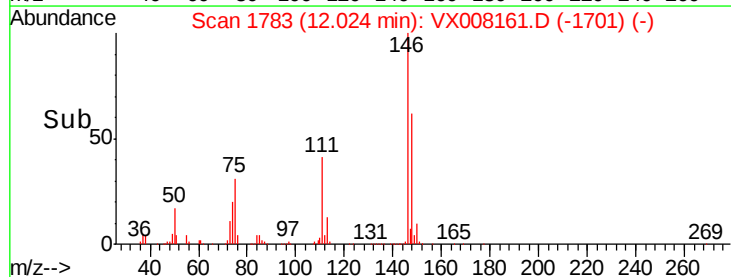
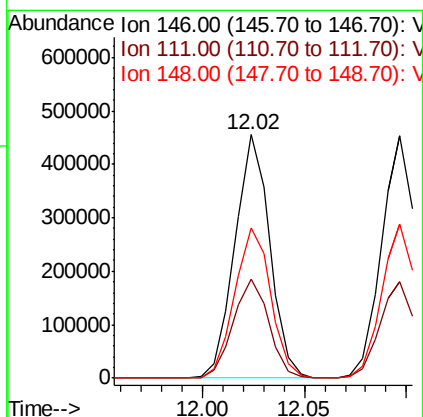
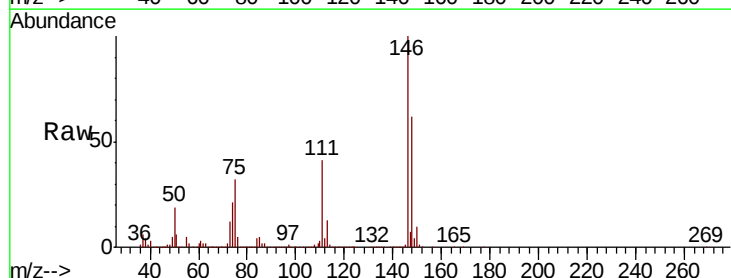
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

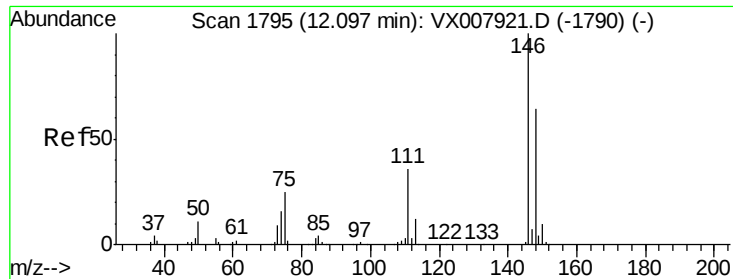
Tgt Ion:119 Resp: 1093278
Ion Ratio Lower Upper
119 100
134 25.9 0.0 55.4
91 24.7 0.0 45.0



#83
1,3-Dichlorobenzene
Concen: 99.435 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

Tgt Ion:146 Resp: 538253
Ion Ratio Lower Upper
146 100
111 41.6 18.8 56.3
148 63.8 30.6 91.8





#84

1,4-Dichlorobenzene

Concen: 102.327 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

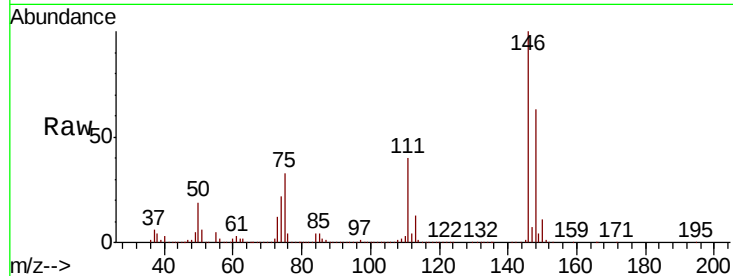
Tgt Ion:146 Resp: 537093

Ion Ratio Lower Upper

146 100

111 40.4 17.6 52.8

148 63.8 31.4 94.2

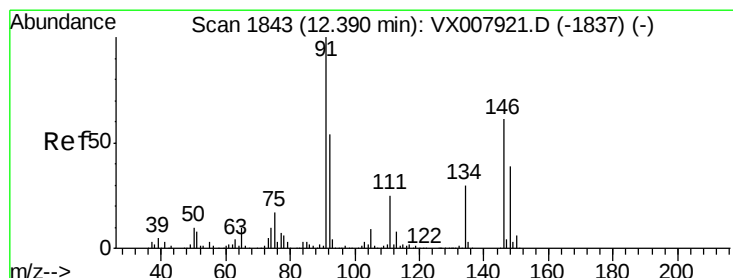
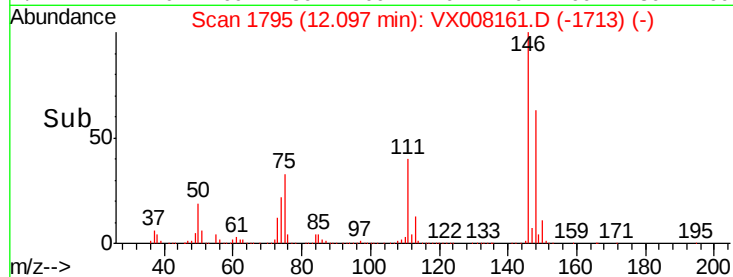
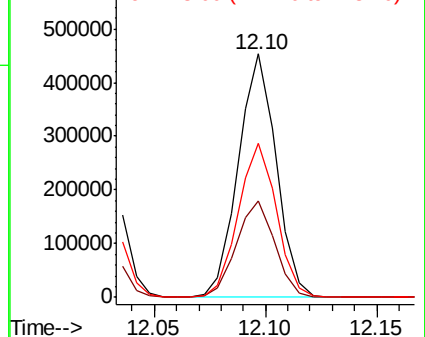


Abundance

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: 111.019 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

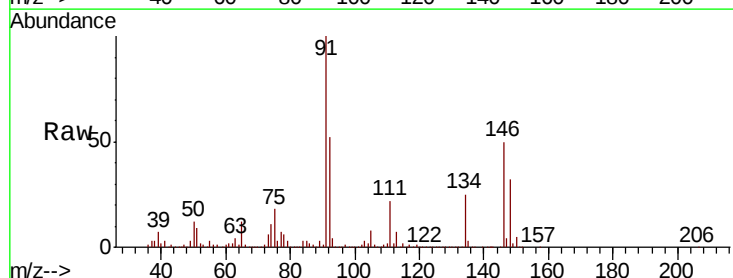
Tgt Ion: 91 Resp: 1059746

Ion Ratio Lower Upper

91 100

92 52.5 0.0 105.2

134 24.1 0.0 56.4

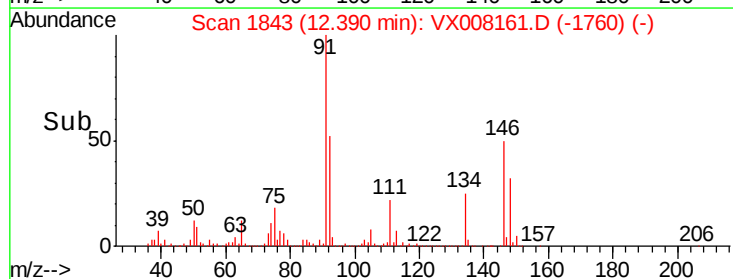
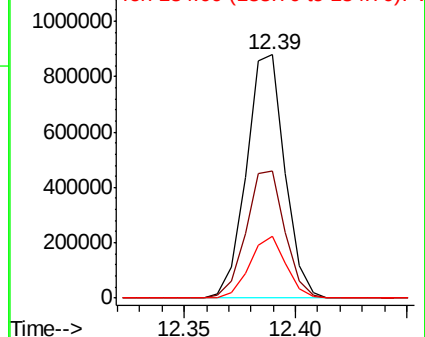


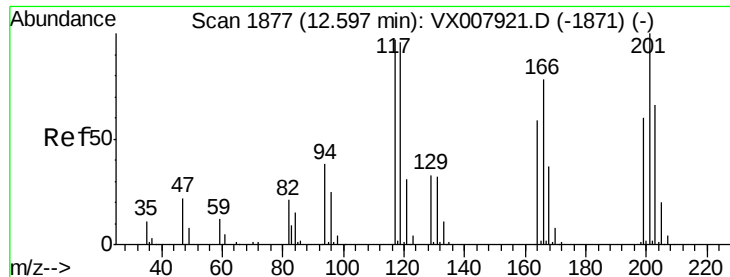
Abundance

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

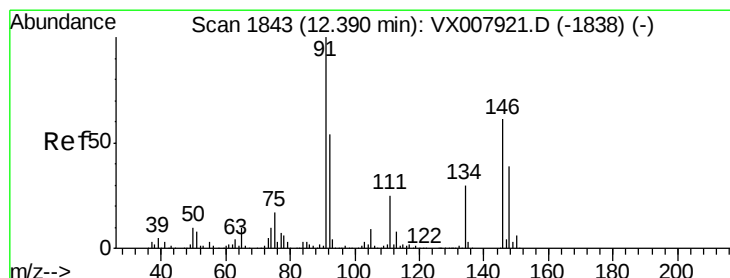
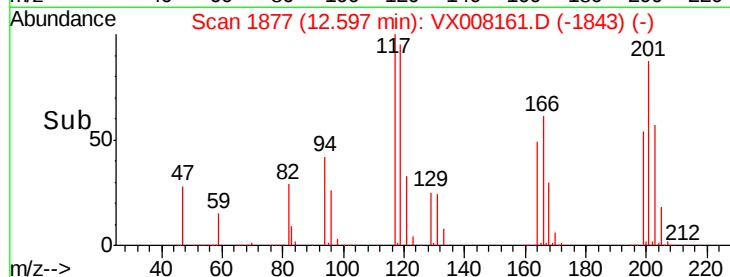
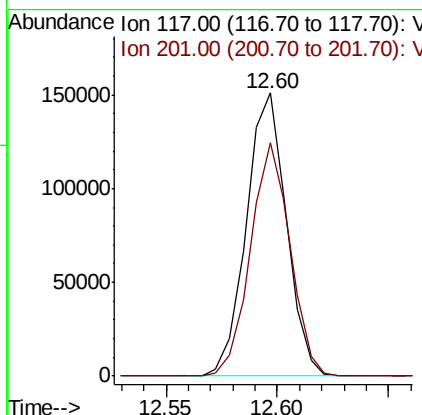
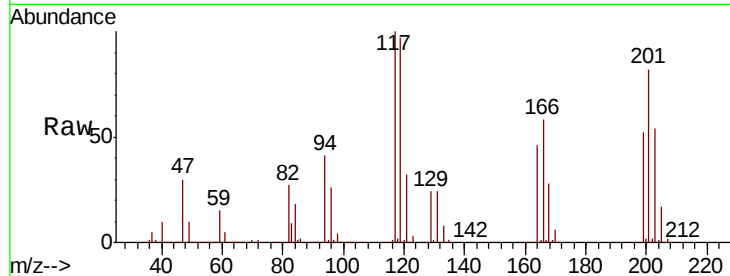




#86
Hexachloroethane
Concen: 106.404 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

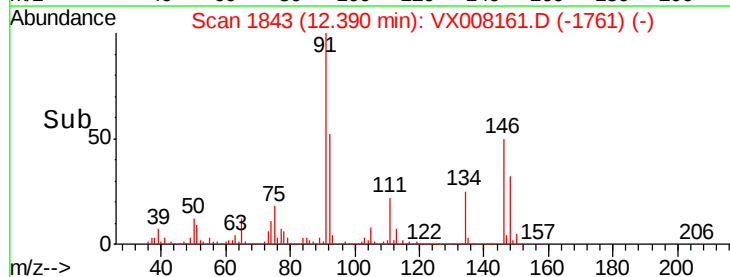
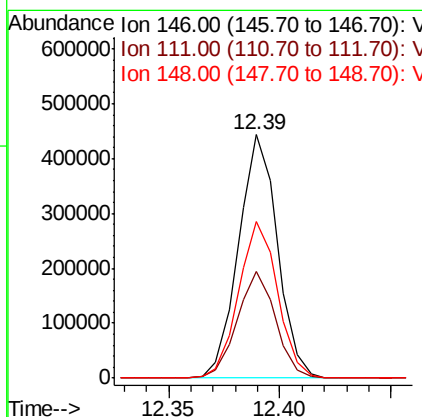
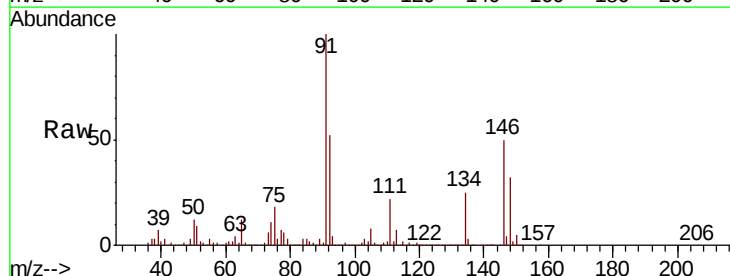
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

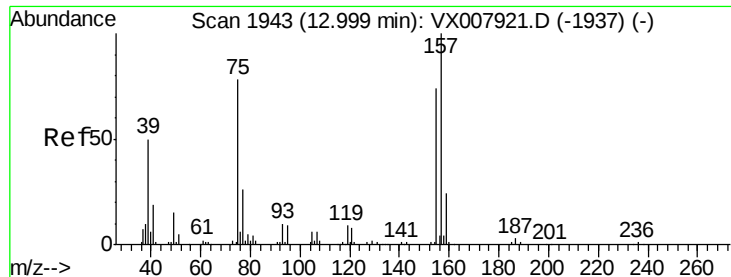
Tgt Ion:117 Resp: 189370
Ion Ratio Lower Upper
117 100
201 81.4 41.1 123.3



#87
1,2-Dichlorobenzene
Concen: 100.092 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

Tgt Ion:146 Resp: 538756
Ion Ratio Lower Upper
146 100
111 43.0 19.3 57.8
148 64.6 32.1 96.3





#88

1,2-Dibromo-3-Chloropropane

Concen: 106.272 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

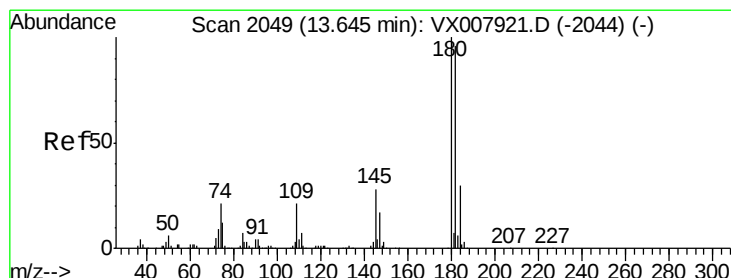
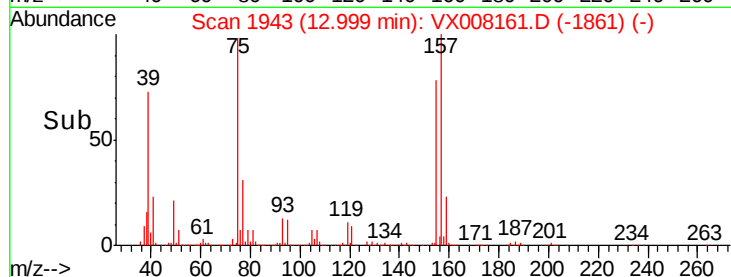
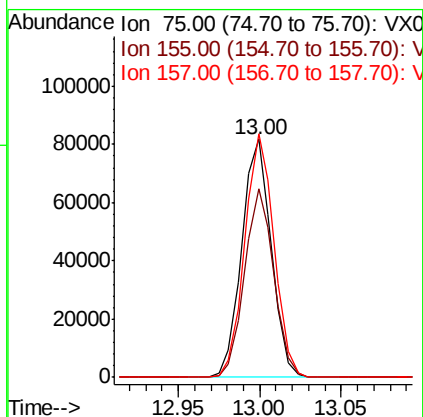
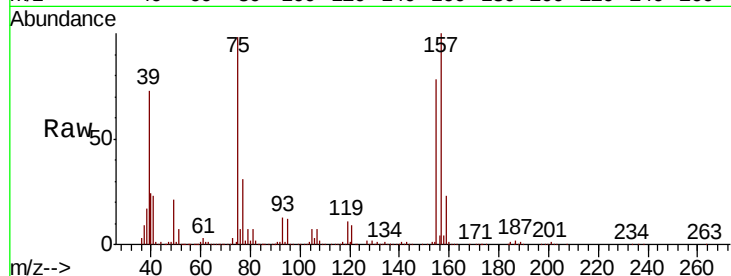
Tgt Ion: 75 Resp: 103166

Ion Ratio Lower Upper

75 100

155 78.6 81.0 121.6#

157 101.1 103.2 154.8#



#89

1,2,4-Trichlorobenzene

Concen: 109.023 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX008161.D

Acq: 18 Mar 2019 11:42

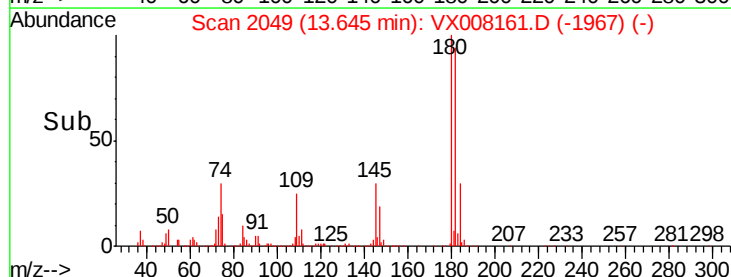
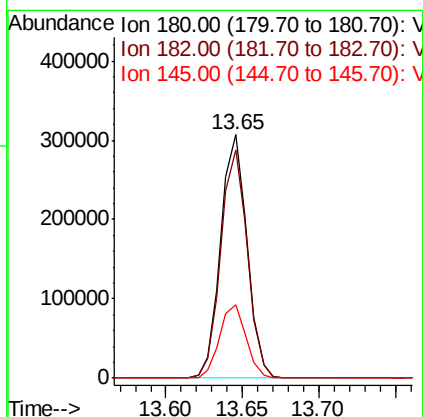
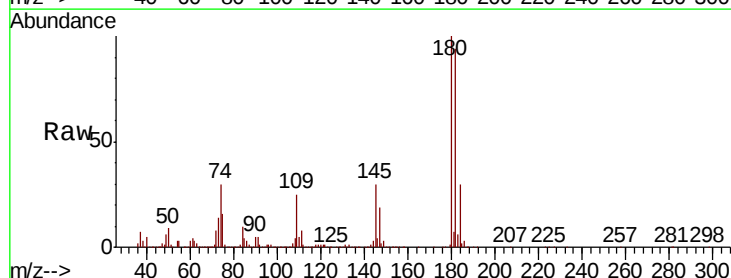
Tgt Ion: 180 Resp: 366974

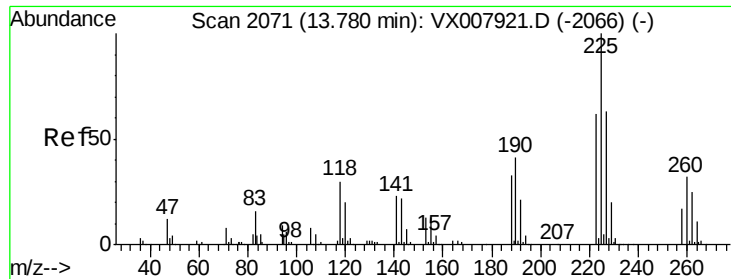
Ion Ratio Lower Upper

180 100

182 93.9 75.6 113.4

145 30.3 23.0 34.6

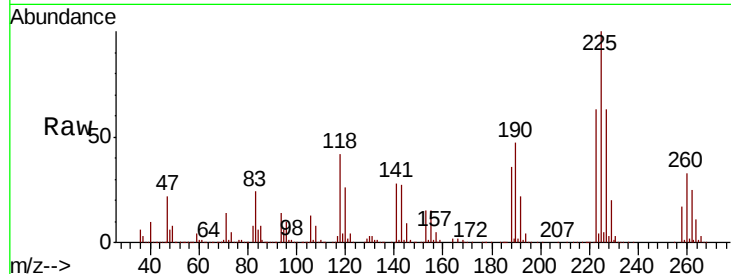




#90
Hexachlorobutadiene
Concen: 104.203 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	0.0	123.8
227	63.5	0.0	124.4

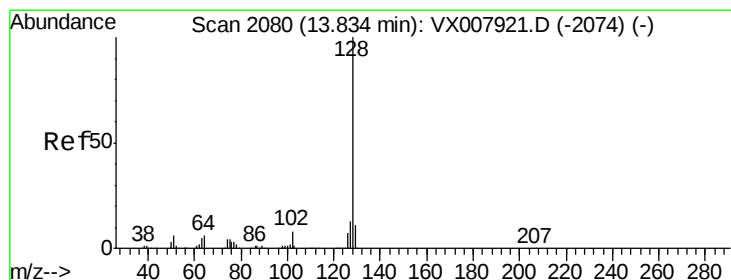
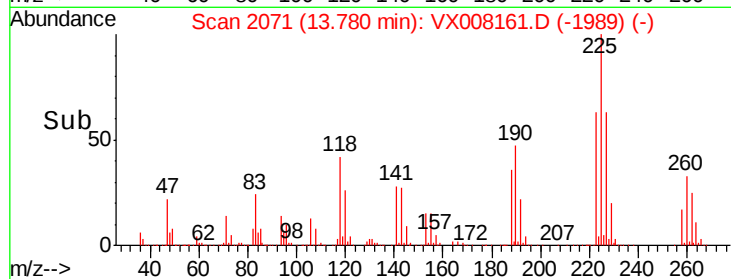
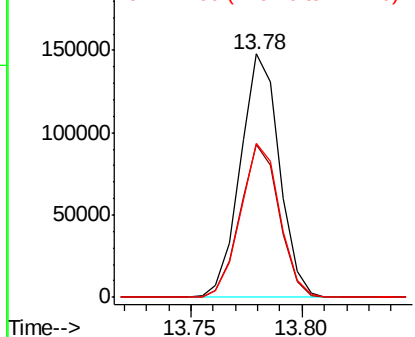


Abundance

Ion 225.00 (224.70 to 225.70): V

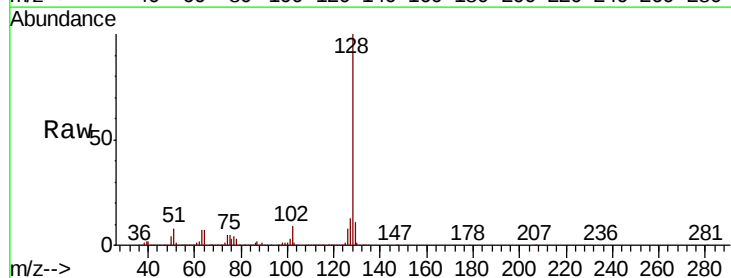
Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91
Naphthalene
Concen: 109.104 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008161.D
Acq: 18 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	8.9	13.3

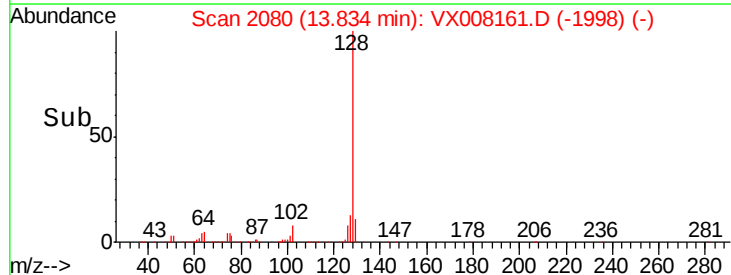
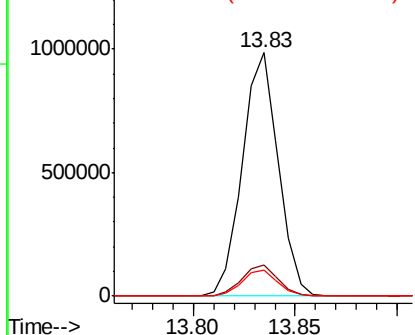


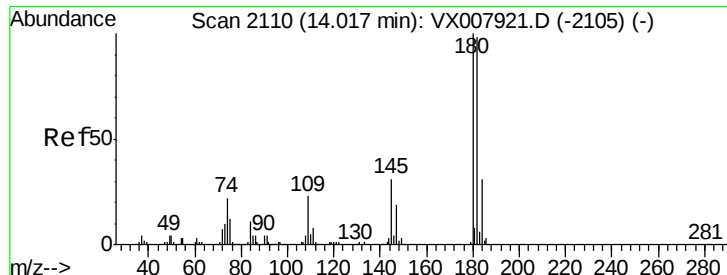
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

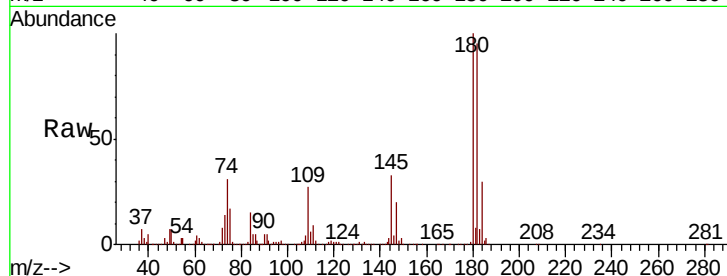




#92
 1,2,3-Trichlorobenzene
 Concen: 107.630 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX008161.D
 Acq: 18 Mar 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
180	362644		
182	95.3	0.0	193.0
145	31.9	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

