

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012219\
 Data File : VX007192.D
 Acq On : 22 Jan 2019 19:54
 Operator : JC/SP
 Sample : K1215-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

Quant Time: Jan 23 00:07:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	439371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	657435	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	614916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	327129	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	229751	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
35) Dibromofluoromethane	5.50	113	209520	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	8.71	98	758011	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.13	95	285560	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	178407	49.446	ug/l	99
3) Chloromethane	1.33	50	202156	48.129	ug/l	97
4) Vinyl Chloride	1.41	62	219643	48.612	ug/l	98
5) Bromomethane	1.64	94	224207	46.445	ug/l	96
6) Chloroethane	1.71	64	147796	46.847	ug/l	99
7) Trichlorofluoromethane	1.93	101	360628	49.398	ug/l	97
8) Diethyl Ether	2.19	74	144269	49.672	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	210313	48.118	ug/l	100
10) Methyl Iodide	2.51	142	330347	56.031	ug/l	99
11) Tert butyl alcohol	3.08	59	296822	274.029	ug/l	99
12) 1,1-Dichloroethene	2.37	96	196266	48.603	ug/l	97
13) Acrolein	2.29	56	161758	345.073	ug/l	99
14) Allyl chloride	2.73	41	349595	50.515	ug/l	99
15) Acrylonitrile	3.15	53	666599	268.079	ug/l	100
16) Acetone	2.45	43	566717	249.651	ug/l	100
17) Carbon Disulfide	2.57	76	439730	42.295	ug/l	99
18) Methyl Acetate	2.78	43	339835	51.695	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	730595	52.126	ug/l	99
20) Methylene Chloride	2.86	84	233501	54.127	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	210488	46.774	ug/l	98
22) Diisopropyl ether	3.87	45	667742	51.323	ug/l	97
23) Vinyl Acetate	3.82	43	2605934	237.503	ug/l	99
24) 1,1-Dichloroethane	3.70	63	364332	50.079	ug/l	98
25) 2-Butanone	4.70	43	852579	262.486	ug/l	100
26) 2,2-Dichloropropane	4.59	77	243787	43.578	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	240440	48.440	ug/l	98
28) Bromochloromethane	5.02	49	167339	52.499	ug/l	94
29) Tetrahydrofuran	5.15	42	545306	258.333	ug/l	98
30) Chloroform	5.21	83	392111	51.478	ug/l	97
31) Cyclohexane	5.57	56	299396	46.238	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	328823	50.931	ug/l	98
36) 1,1-Dichloropropene	5.80	75	269966	47.231	ug/l	99
37) Ethyl Acetate	4.85	43	298689	48.742	ug/l	97
38) Carbon Tetrachloride	5.78	117	284188	49.417	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	321545	44.127	ug/l	99
40) Benzene	6.14	78	856523	49.110	ug/l	99
41) Methacrylonitrile	5.06	41	175861	49.817	ug/l	99
42) 1,2-Dichloroethane	6.20	62	297876	49.425	ug/l	99
43) Isopropyl Acetate	6.46	43	489460	50.638	ug/l	98
44) Trichloroethene	7.21	130	247844	47.422	ug/l	95
45) 1,2-Dichloropropane	7.52	63	221564	50.531	ug/l	97
46) Dibromomethane	7.66	93	157504	51.112	ug/l	98
47) Bromodichloromethane	7.90	83	283854	54.116	ug/l	97
48) Methyl methacrylate	7.77	41	259533	52.285	ug/l	96
49) 1,4-Dioxane	7.75	88	127664	1127.286	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1731420	278.725	ug/l	99
52) Toluene	8.78	92	563221	50.244	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	304394	52.334	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	331349	51.586	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	244090	54.401	ug/l	97
56) Ethyl methacrylate	9.18	69	357165	54.527	ug/l	96
57) 1,3-Dichloropropane	9.37	76	385983	52.509	ug/l	99
59) 2-Hexanone	9.49	43	1306350	275.960	ug/l	99
60) Dibromochloromethane	9.58	129	254564	58.428	ug/l	97
61) 1,2-Dibromoethane	9.67	107	257037	52.036	ug/l	99
64) Tetrachloroethene	9.33	164	251639	47.267	ug/l	97
65) Chlorobenzene	10.14	112	669204	49.897	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	240571	53.322	ug/l	99
67) Ethyl Benzene	10.25	91	1089899	49.225	ug/l	99
68) m/p-Xylenes	10.36	106	858993	98.472	ug/l	98
69) o-Xylene	10.70	106	431853	50.763	ug/l	98
70) Styrene	10.71	104	702743	52.156	ug/l	99
71) Bromoform	10.86	173	189897	47.325	ug/l	99
73) Isopropylbenzene	11.02	105	1129516	48.966	ug/l	99
74) N-amyl acetate	10.90	43	442268	47.621	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	366527	50.051	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	409787	61.816	ug/l	90
77) Bromobenzene	11.26	156	313484	49.322	ug/l	100
78) n-propylbenzene	11.36	91	1260499	49.777	ug/l	99
79) 2-Chlorotoluene	11.42	91	756544	49.631	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	936567	48.591	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	99331	45.581	ug/l	99
82) 4-Chlorotoluene	11.51	91	875248	49.591	ug/l	100
83) tert-Butylbenzene	11.77	119	957166	49.773	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	957548	49.404	ug/l	100
85) sec-Butylbenzene	11.94	105	1128629	49.142	ug/l	100
86) p-Isopropyltoluene	12.06	119	1013555	49.338	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	552192	48.066	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	560725	51.510	ug/l	100
89) n-Butylbenzene	12.39	91	848981	48.480	ug/l	98
90) Hexachloroethane	12.60	117	158528	48.435	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	556020	49.044	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	77843	53.747	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	376220	48.369	ug/l	99

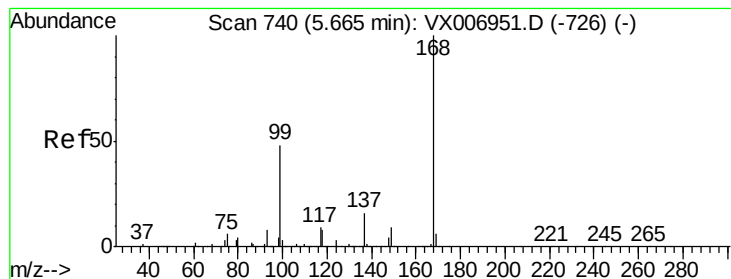
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012219\
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	168899	48.933	ug/l	99
95) Naphthalene	13.83	128	1198799	50.863	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	382036	49.444	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

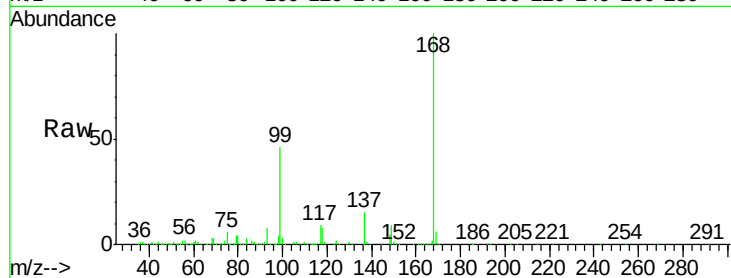
SA-TW524-2327MSD

Tot Ion:168 Resp: 439371

Ion Ratio Lower Upper

168 100

99 46.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

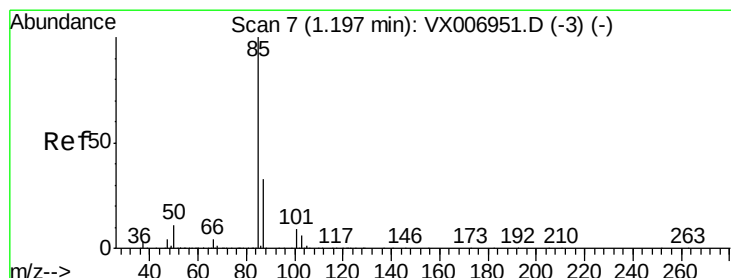
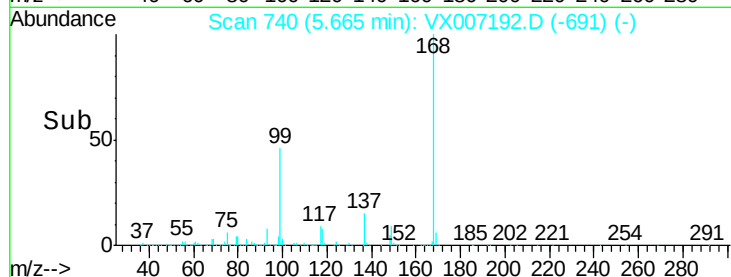
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 49.446 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007192.D

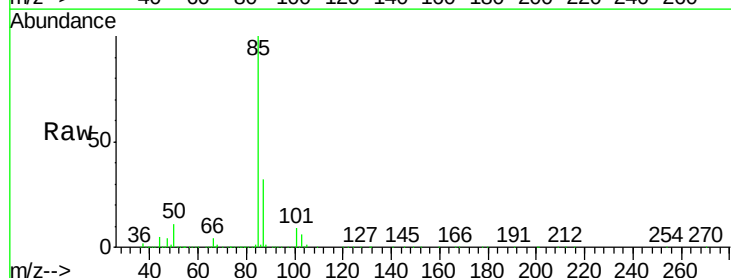
Acq: 22 Jan 2019 19:54

Tgt Ion: 85 Resp: 178407

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

150000

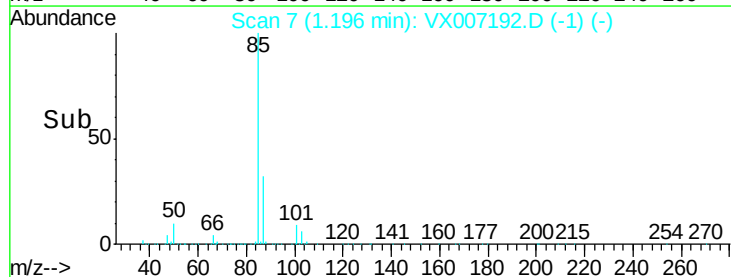
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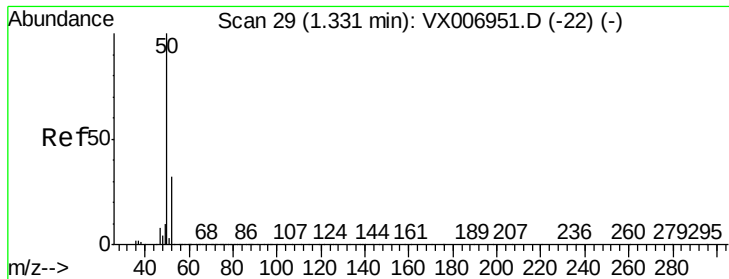
50000

0

Time-->

1.15 1.20 1.25 1.30 1.35





#3

Chloromethane

Concen: 48.129 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

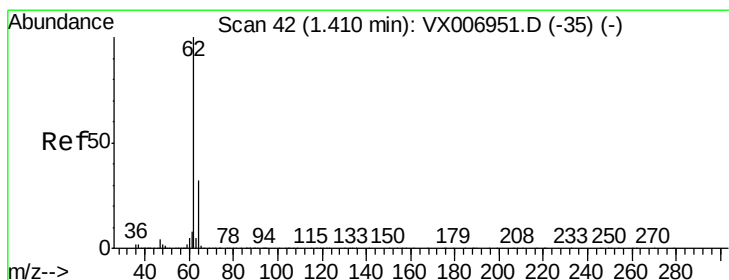
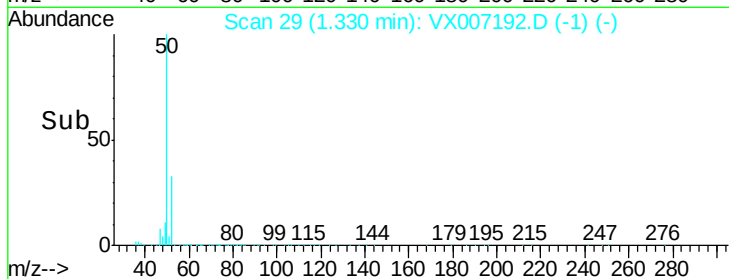
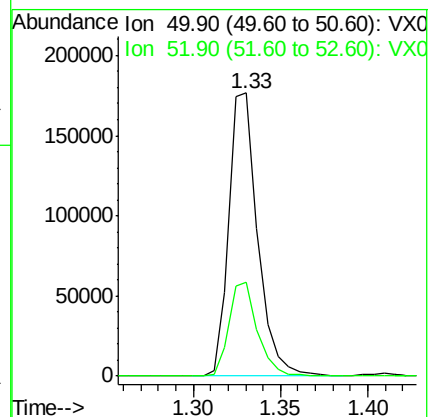
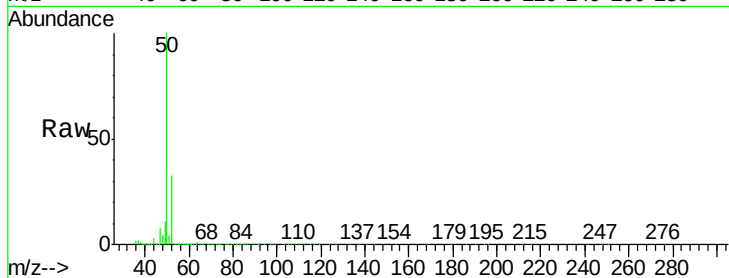
SA-TW524-2327MSD

Tot Ion: 50 Resp: 202156

Ion Ratio Lower Upper

50 100

52 33.3 25.4 38.2



#4

Vinyl Chloride

Concen: 48.612 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007192.D

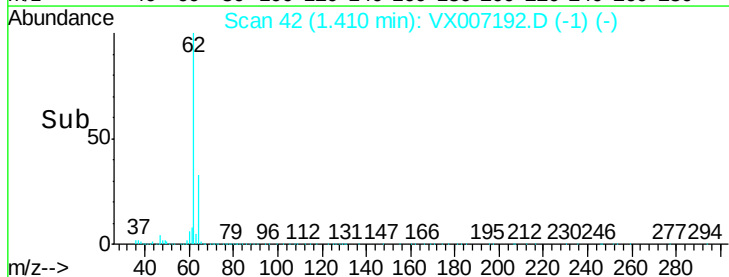
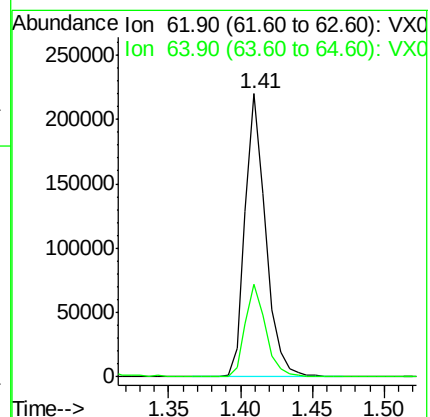
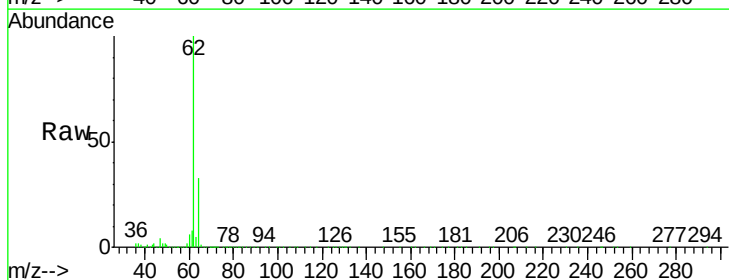
Acq: 22 Jan 2019 19:54

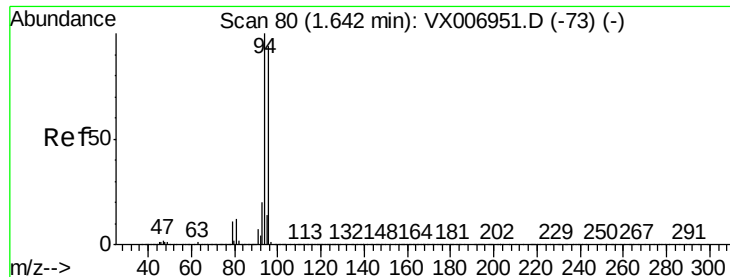
Tgt Ion: 62 Resp: 219643

Ion Ratio Lower Upper

62 100

64 32.6 25.1 37.7





#5

Bromomethane

Concen: 46.445 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

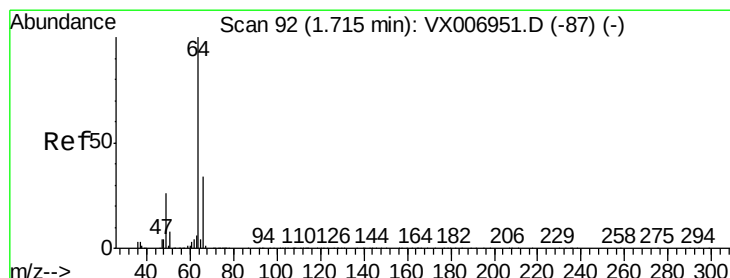
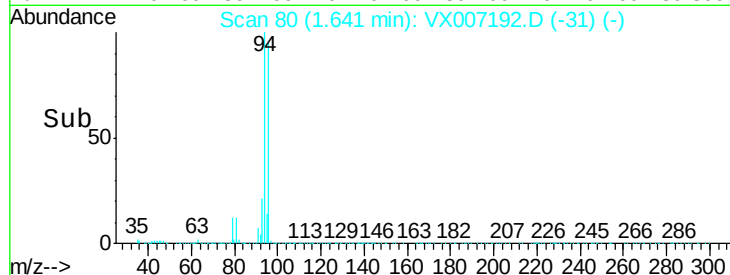
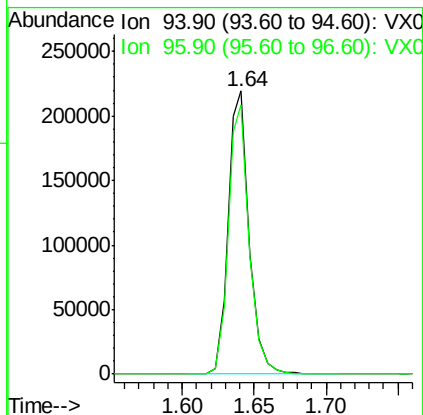
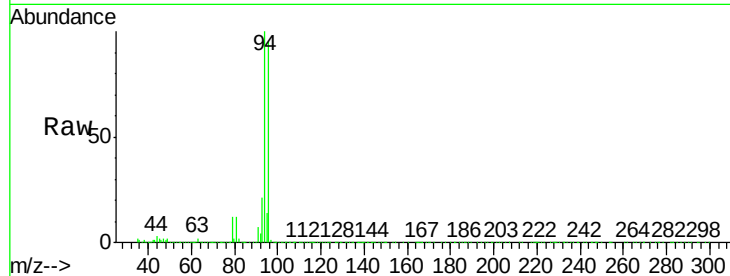
SA-TW524-2327MSD

Tot Ion: 94 Resp: 224207

Ion Ratio Lower Upper

94 100

96 95.2 73.4 110.2



#6

Chloroethane

Concen: 46.847 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX007192.D

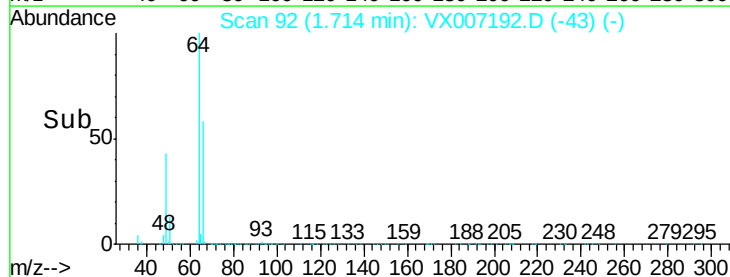
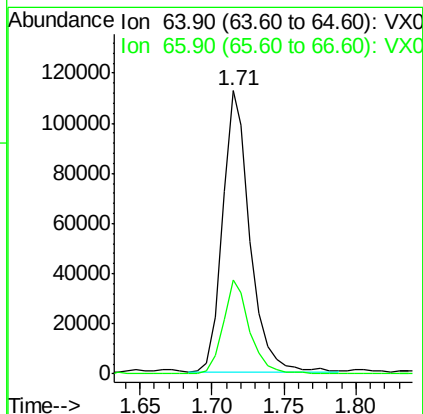
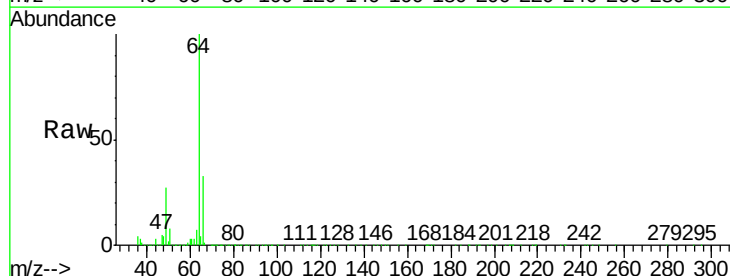
Acq: 22 Jan 2019 19:54

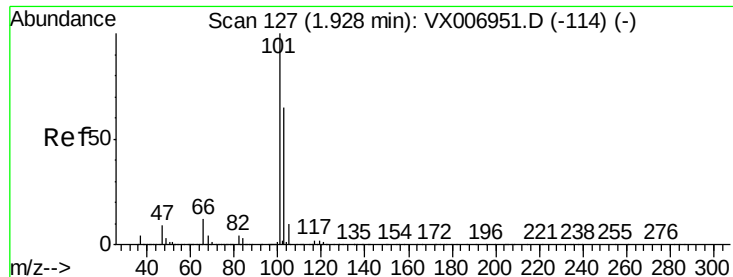
Tgt Ion: 64 Resp: 147796

Ion Ratio Lower Upper

64 100

66 33.5 26.4 39.6



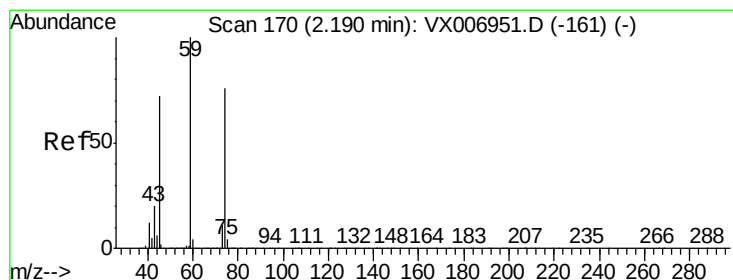
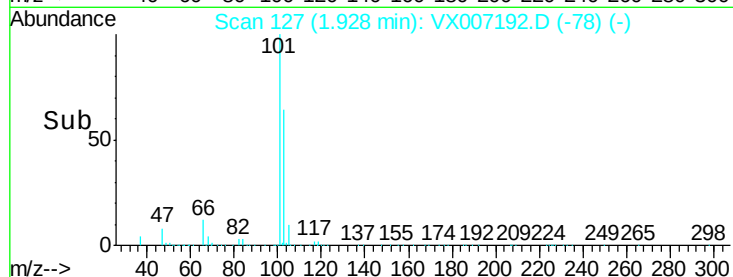
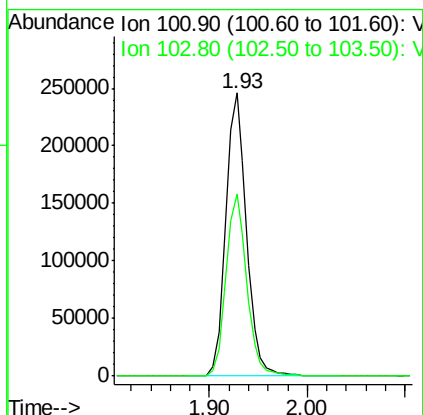
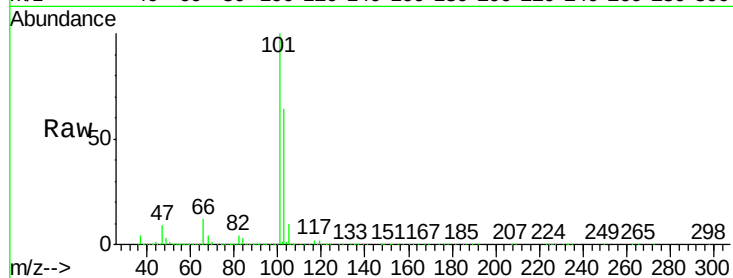


#7

Trichlorofluoromethane
Concen: 49.398 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007192.D
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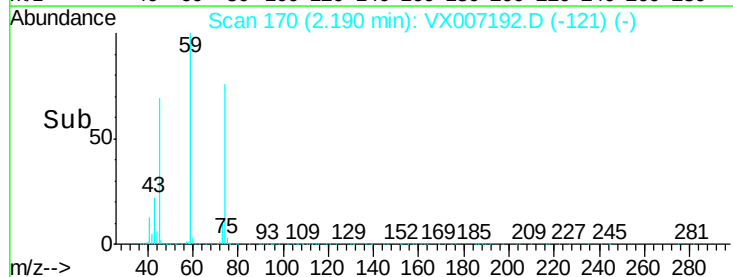
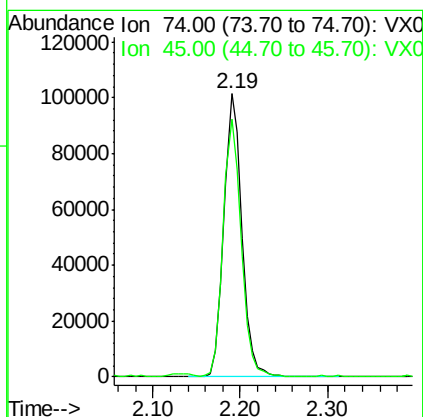
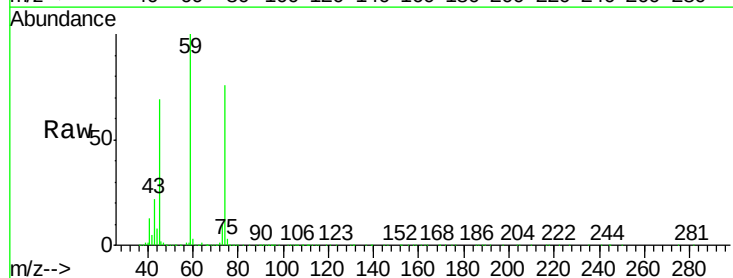
Tot Ion:101 Resp: 360628
Ion Ratio Lower Upper
101 100
103 64.3 53.2 79.8

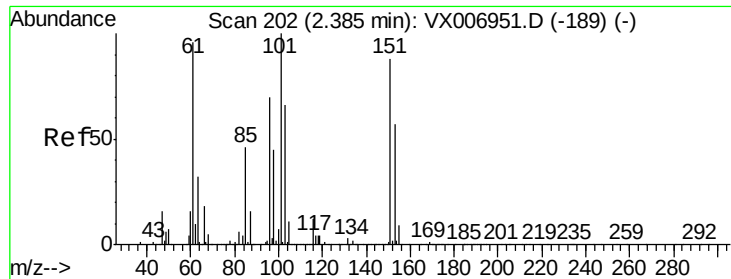


#8

Diethyl Ether
Concen: 49.672 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion: 74 Resp: 144269
Ion Ratio Lower Upper
74 100
45 90.8 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.118 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

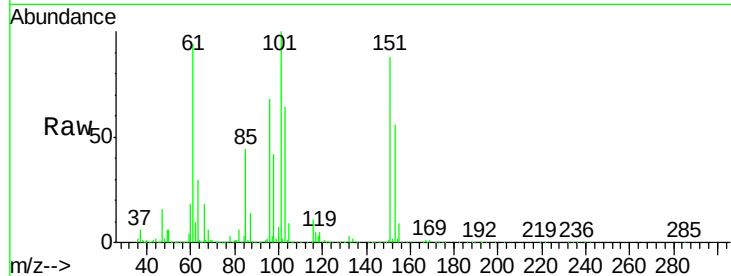
Tot Ion:101 Resp: 210313

Ion Ratio Lower Upper

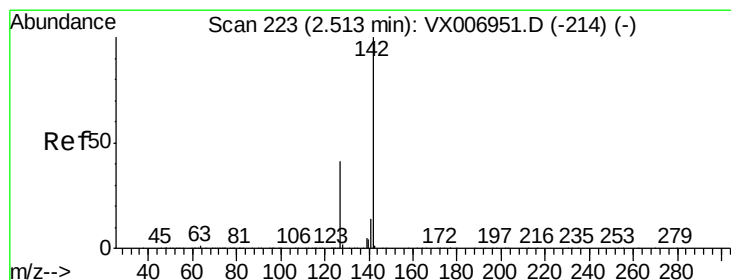
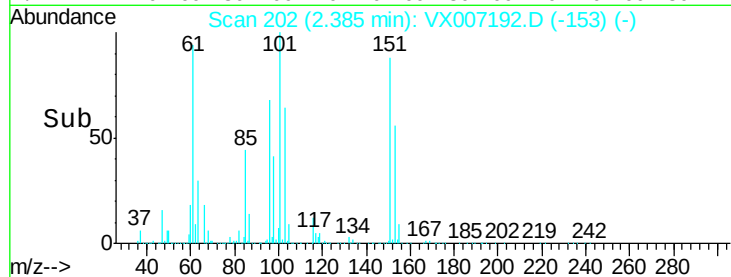
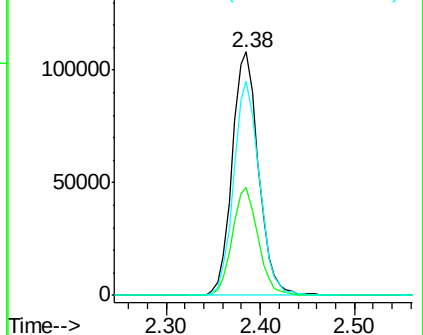
101 100

85 43.7 35.1 52.7

151 86.1 68.9 103.3



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.031 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

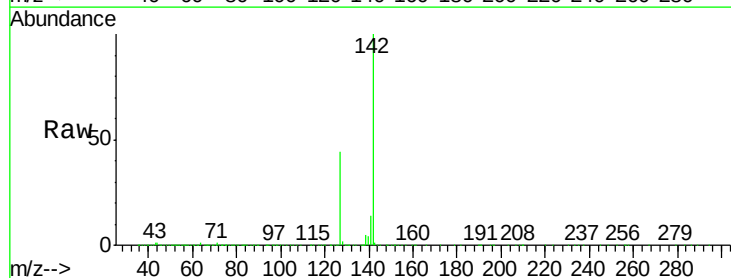
Tgt Ion:142 Resp: 330347

Ion Ratio Lower Upper

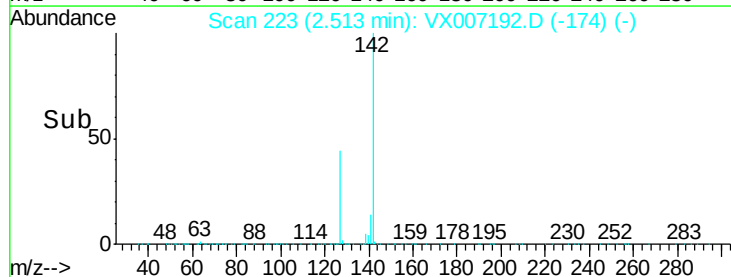
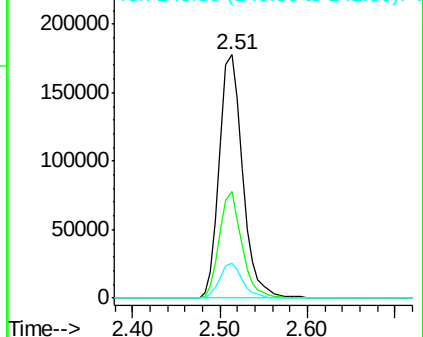
142 100

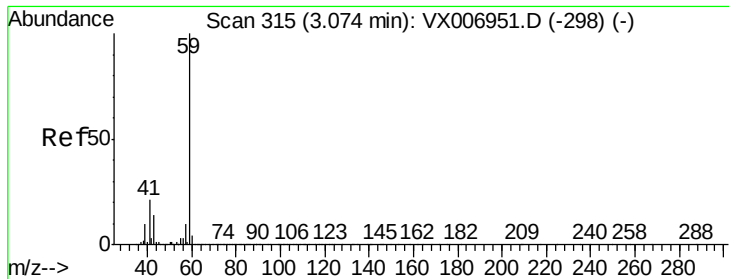
127 41.9 33.9 50.9

141 14.3 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



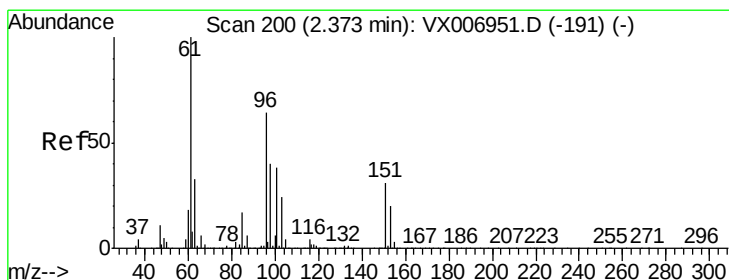
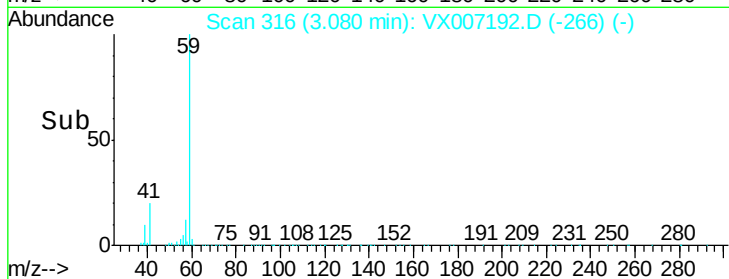
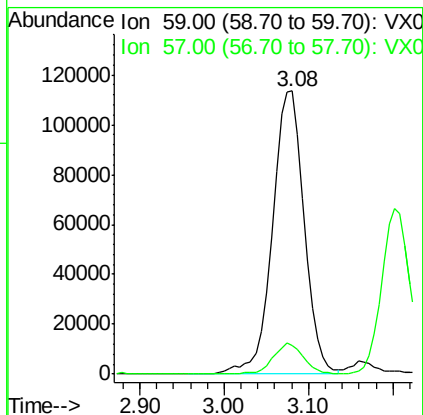
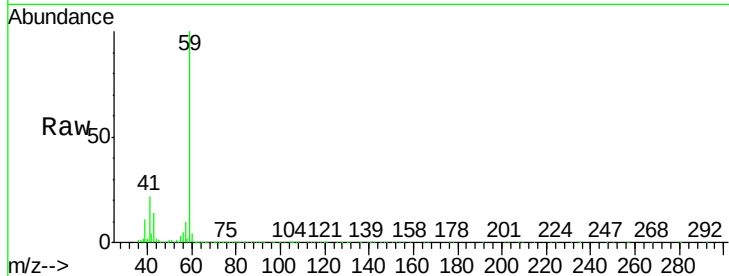


#11

Tert butyl alcohol
Concen: 274.029 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

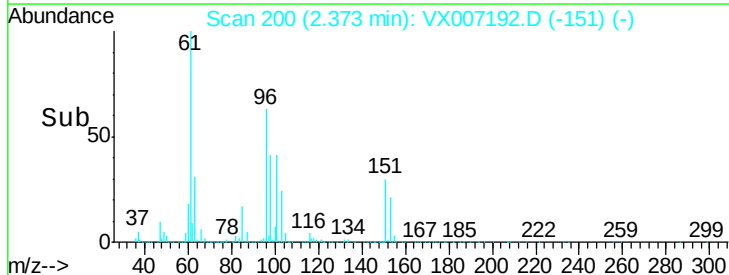
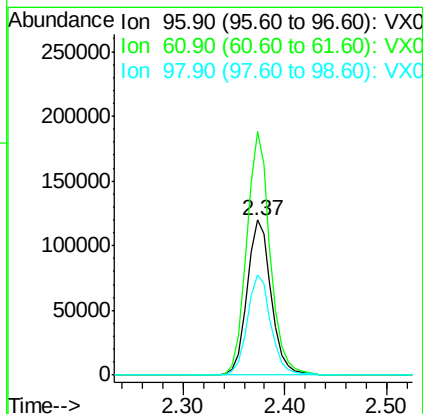
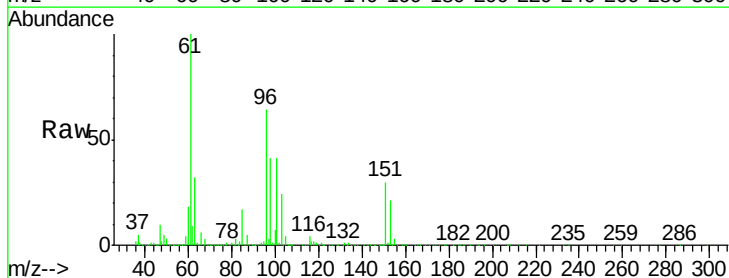
Tot Ion: 59 Resp: 296822
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7

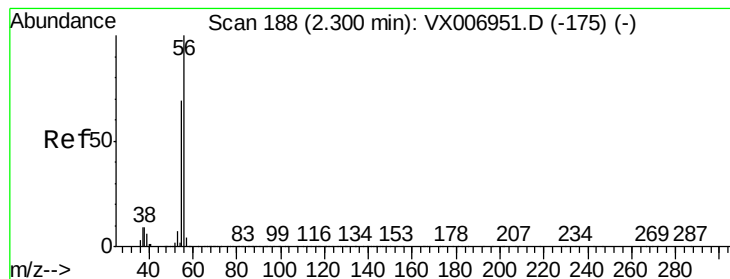


#12

1,1-Dichloroethene
Concen: 48.603 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion: 96 Resp: 196266
Ion Ratio Lower Upper
96 100
61 157.4 121.4 182.2
98 64.9 51.9 77.9





#13

Acrolein

Concen: 345.073 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

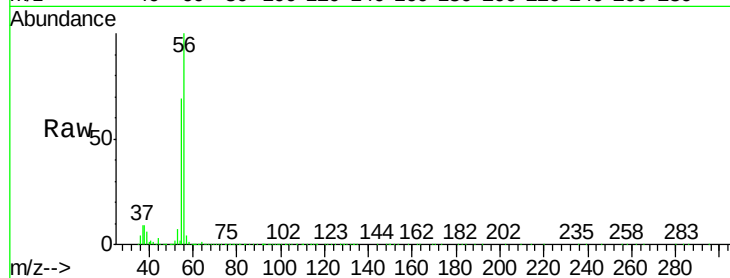
SA-TW524-2327MSD

Tot Ion: 56 Resp: 161758

Ion Ratio Lower Upper

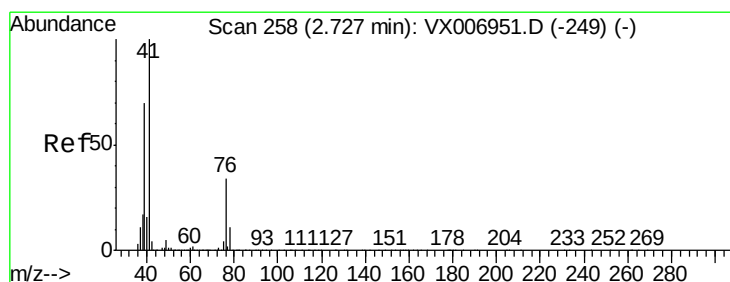
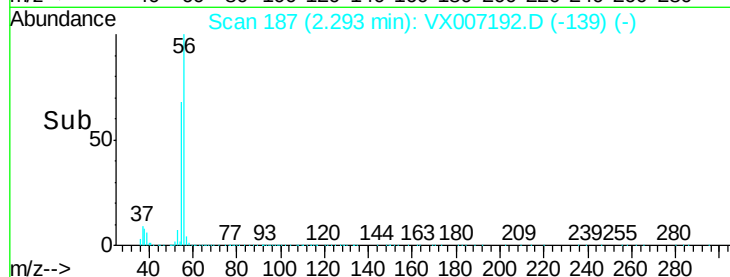
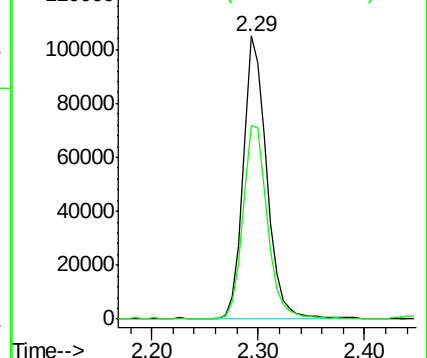
56 100

55 72.3 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 50.515 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

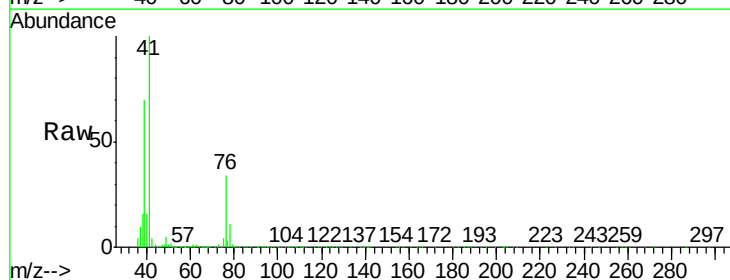
Tgt Ion: 41 Resp: 349595

Ion Ratio Lower Upper

41 100

39 67.1 53.6 80.4

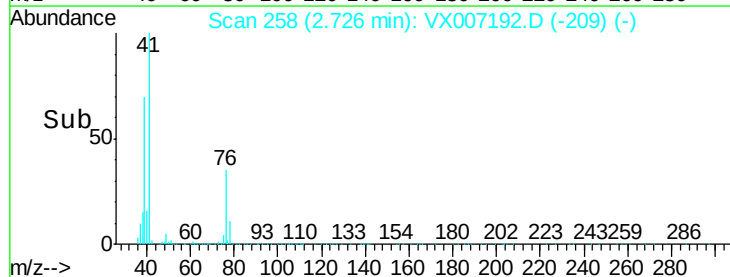
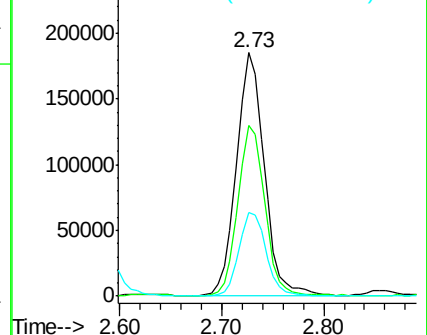
76 33.3 27.4 41.2

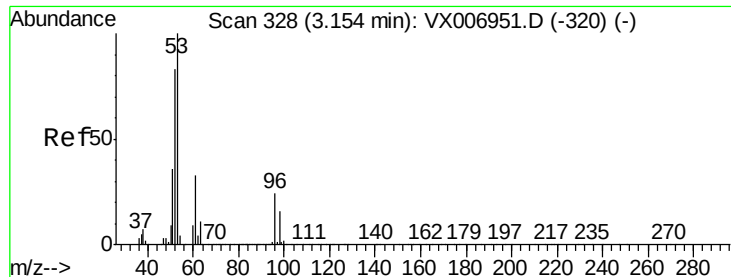


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 268.079 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

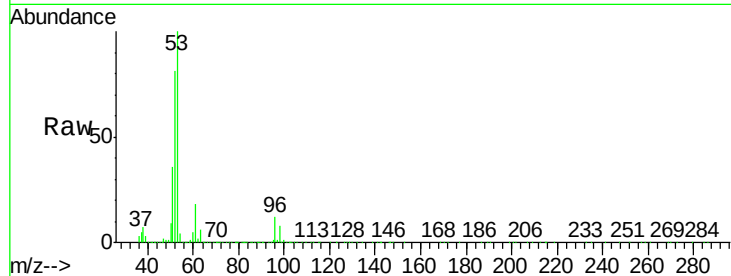
Tot Ion: 53 Resp: 666599

Ion Ratio Lower Upper

53 100

52 82.1 66.0 99.0

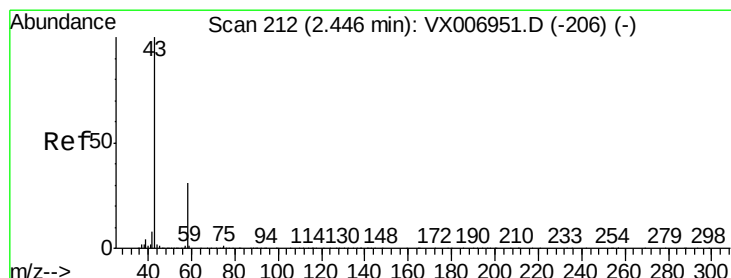
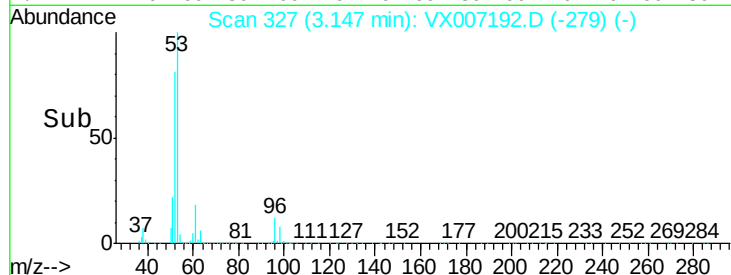
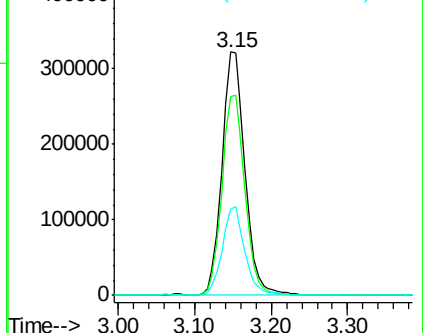
51 35.7 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 249.651 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007192.D

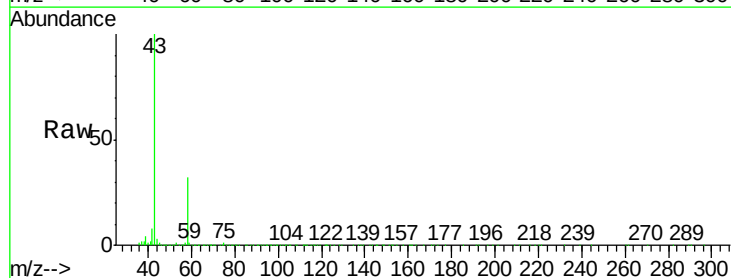
Acq: 22 Jan 2019 19:54

Tgt Ion: 43 Resp: 566717

Ion Ratio Lower Upper

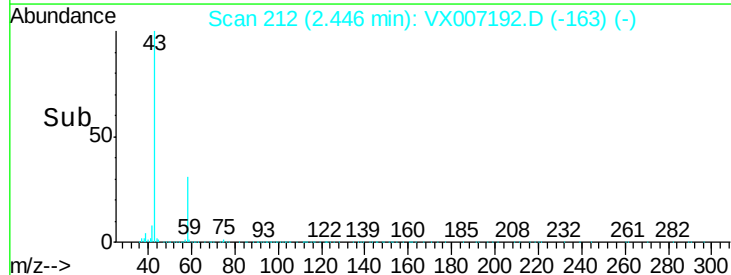
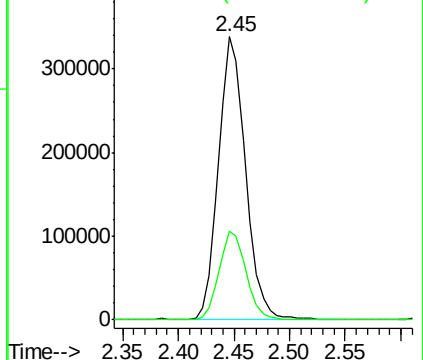
43 100

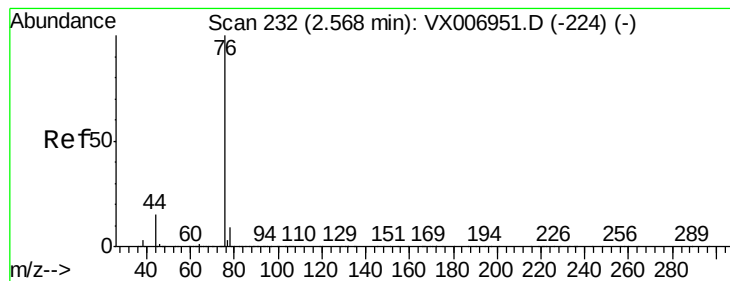
58 31.5 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 42.295 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

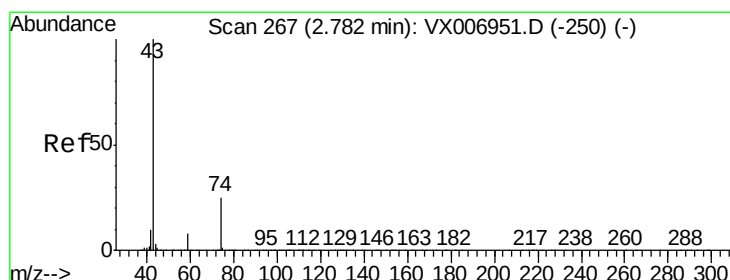
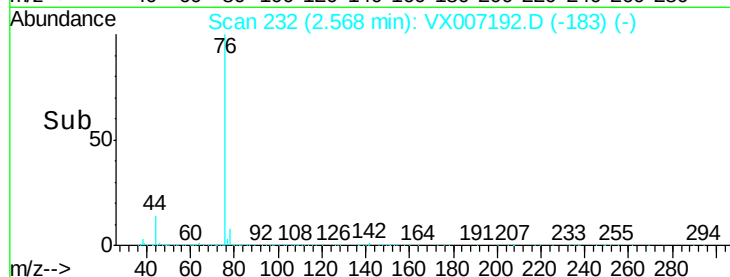
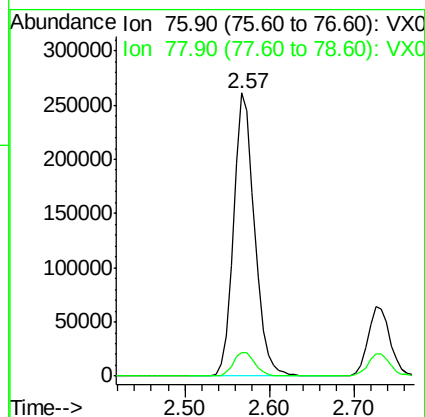
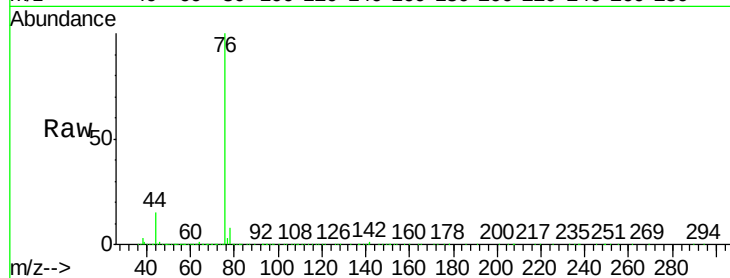
SA-TW524-2327MSD

Tot Ion: 76 Resp: 439730

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.6



#18

Methyl Acetate

Concen: 51.695 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007192.D

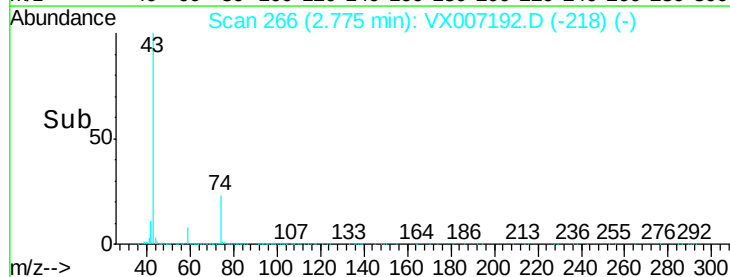
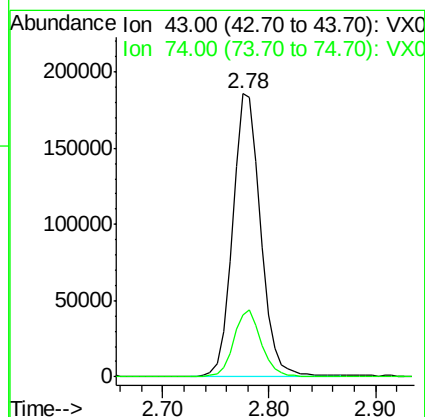
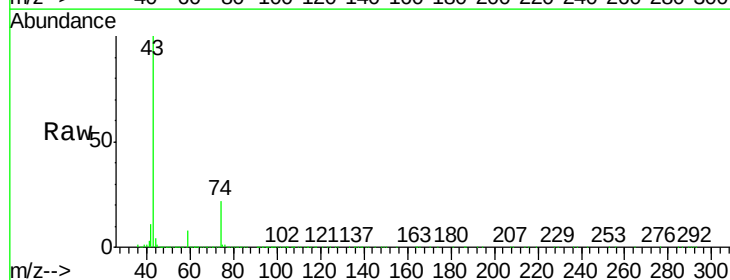
Acq: 22 Jan 2019 19:54

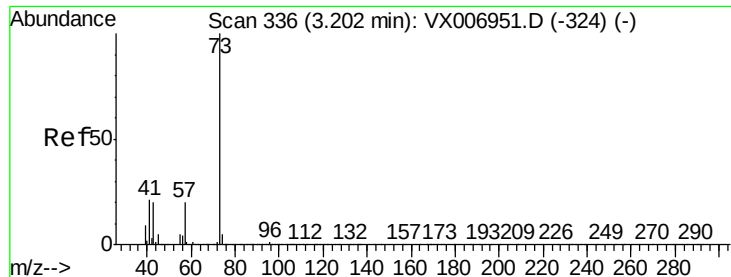
Tgt Ion: 43 Resp: 339835

Ion Ratio Lower Upper

43 100

74 23.5 18.6 28.0



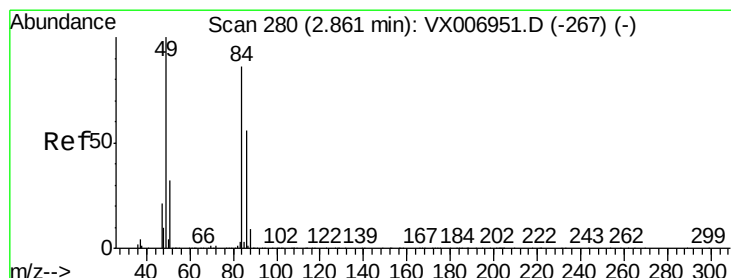
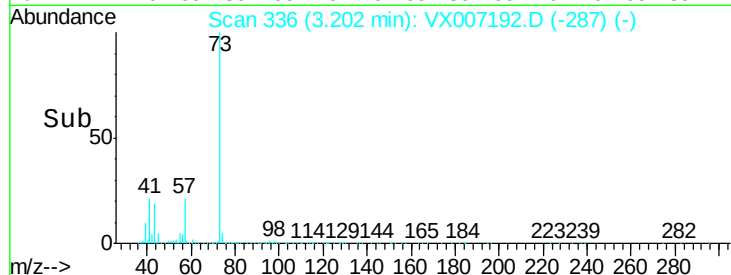
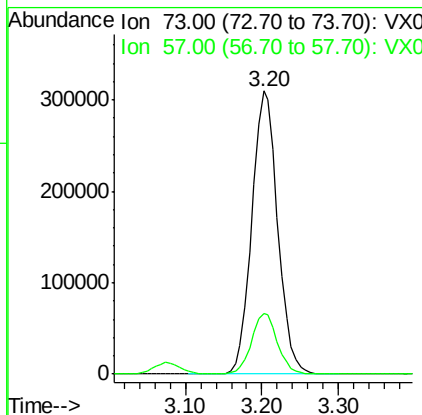
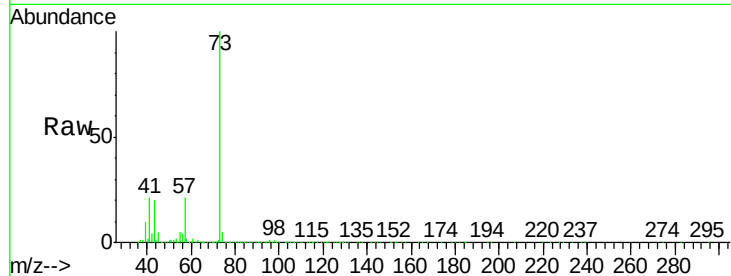


#19

Methyl tert-butyl Ether
 Concen: 52.126 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

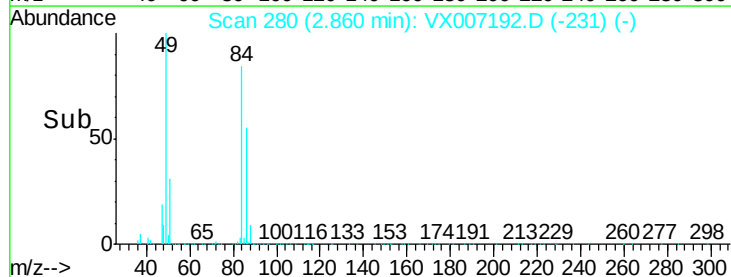
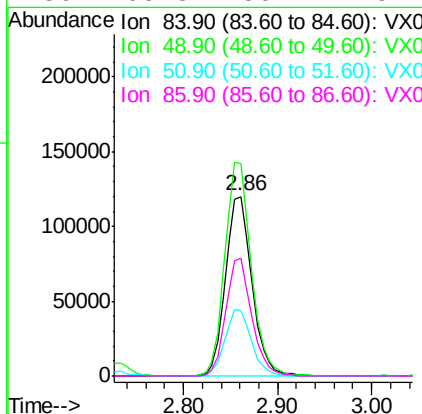
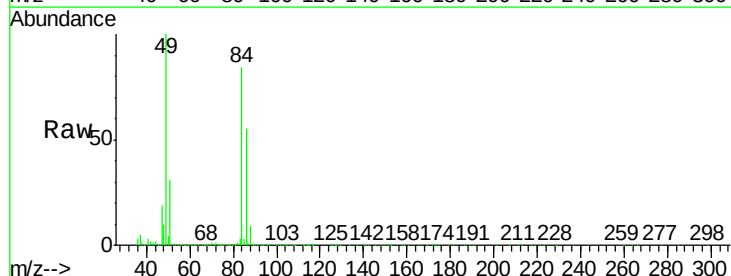
Tot Ion: 73 Resp: 730595
 Ion Ratio Lower Upper
 73 100
 57 21.3 16.8 25.2

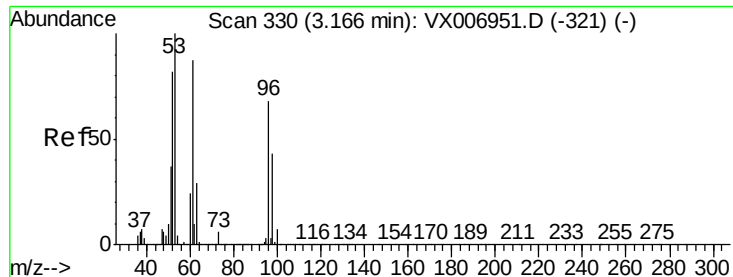


#20

Methylene Chloride
 Concen: 54.127 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Tgt Ion: 84 Resp: 233501
 Ion Ratio Lower Upper
 84 100
 49 118.4 91.8 137.6
 51 36.2 28.5 42.7
 86 65.3 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 46.774 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

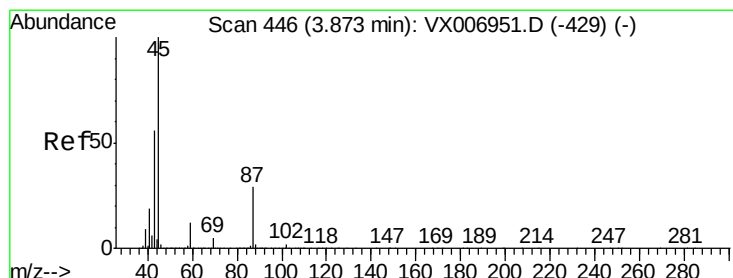
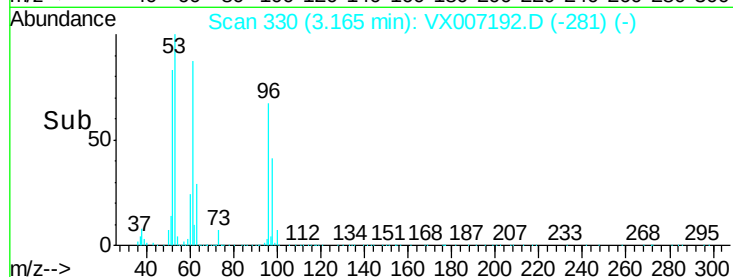
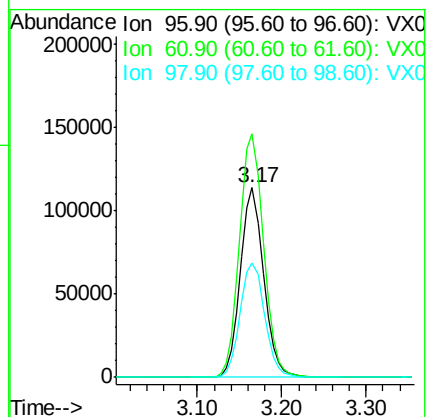
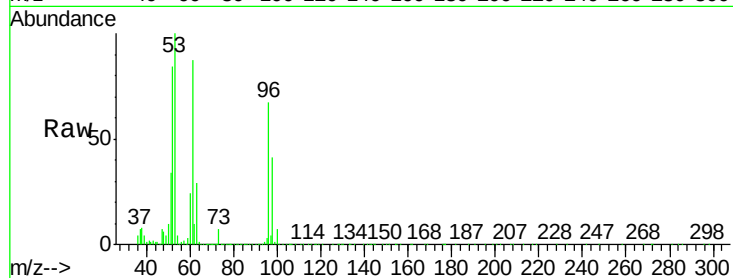
Tot Ion: 96 Resp: 210488

Ion Ratio Lower Upper

96 100

61 128.4 103.7 155.5

98 60.5 51.0 76.6



#22

Diisopropyl ether

Concen: 51.323 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.01 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Tgt Ion: 45 Resp: 667742

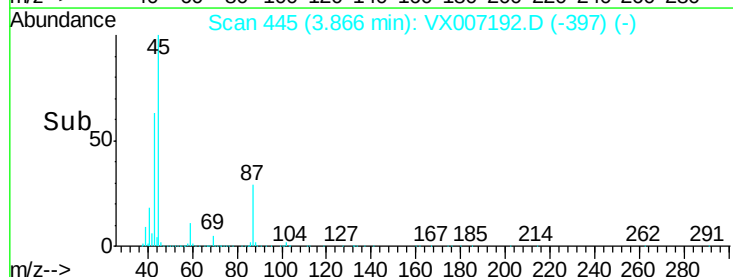
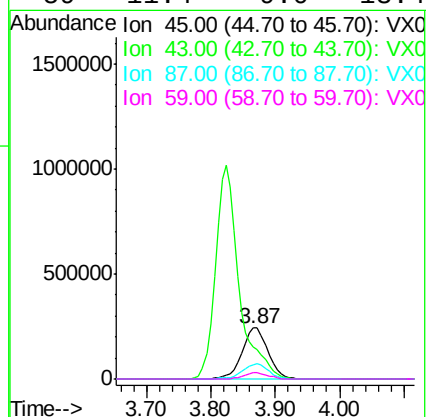
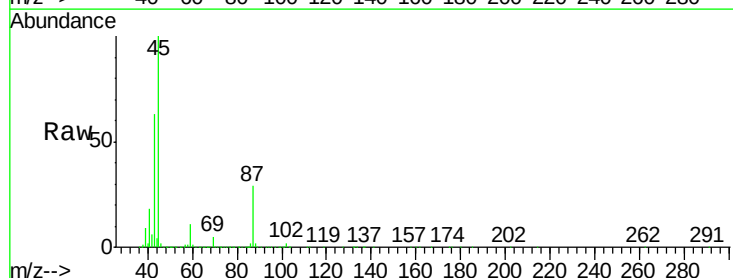
Ion Ratio Lower Upper

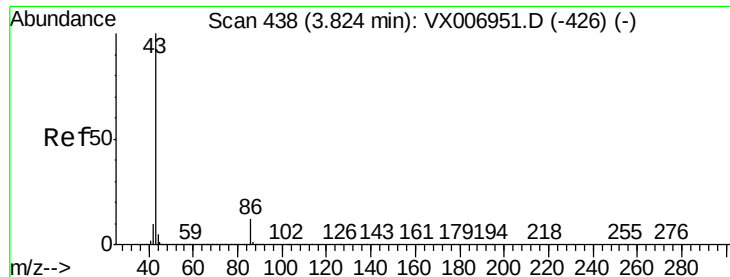
45 100

43 62.4 51.2 76.8

87 28.5 25.8 38.6

59 11.4 9.0 13.4





#23

Vinyl Acetate

Concen: 237.503 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

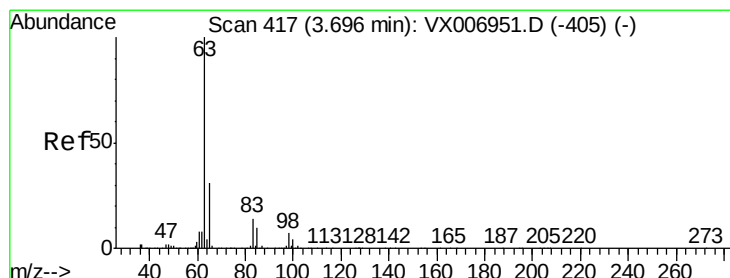
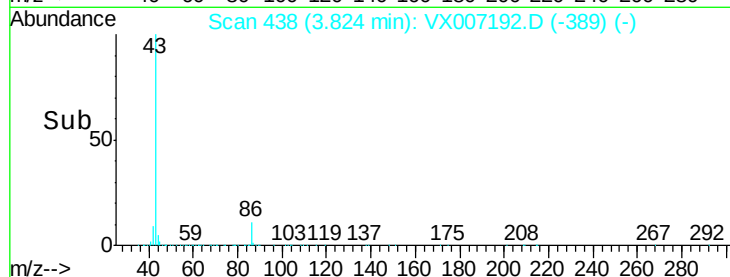
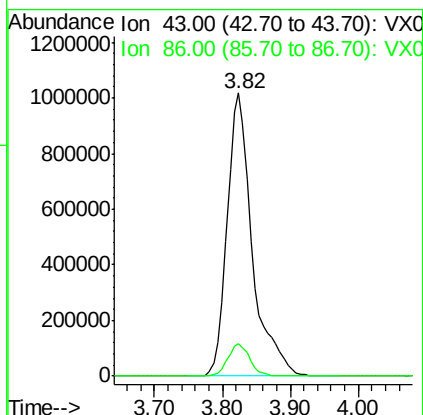
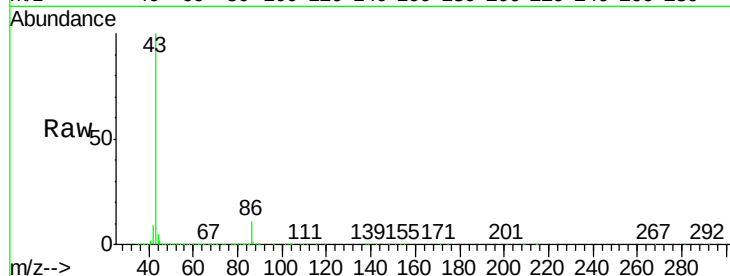
SA-TW524-2327MSD

Tot Ion: 43 Resp: 2605934

Ion Ratio Lower Upper

43 100

86 11.3 9.2 13.8



#24

1,1-Dichloroethane

Concen: 50.079 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

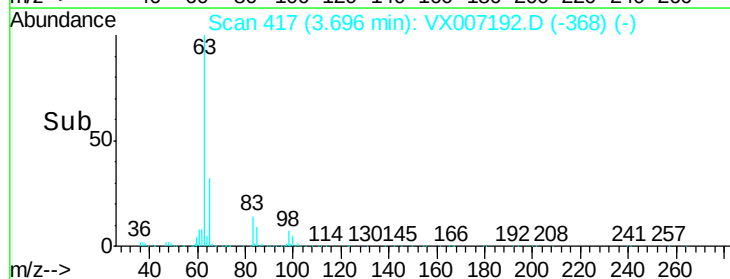
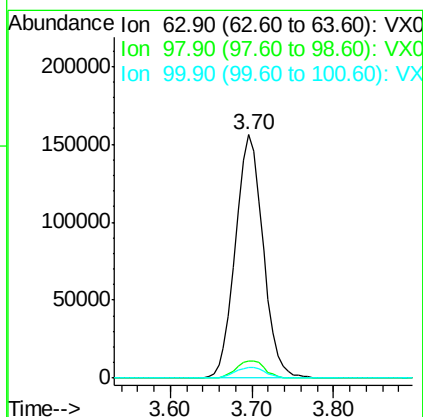
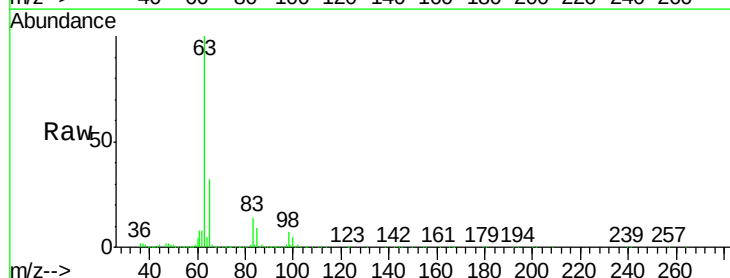
Tgt Ion: 63 Resp: 364332

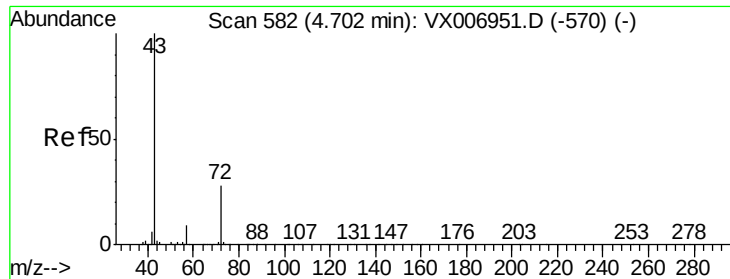
Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.5

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 262.486 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

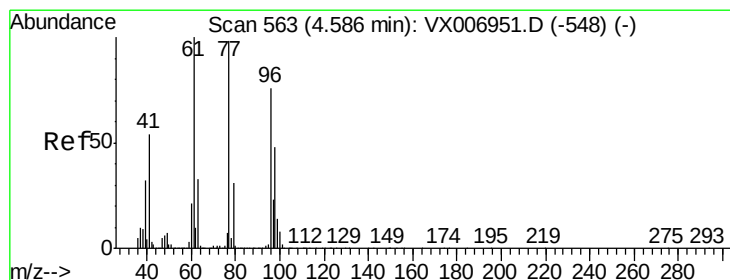
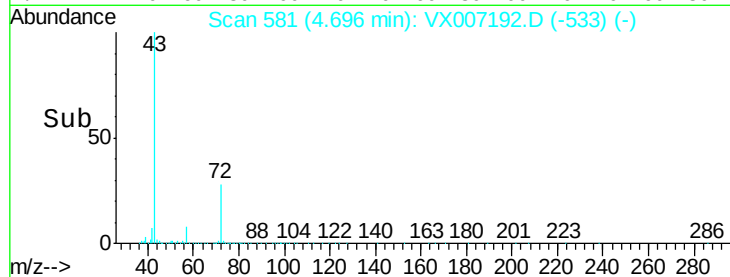
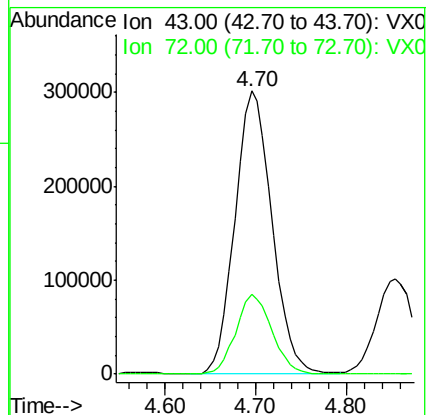
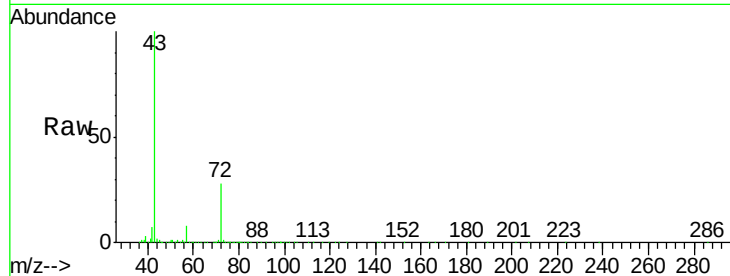
SA-TW524-2327MSD

Tot Ion: 43 Resp: 852579

Ion Ratio Lower Upper

43 100

72 27.9 22.4 33.6



#26

2,2-Dichloropropane

Concen: 43.578 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007192.D

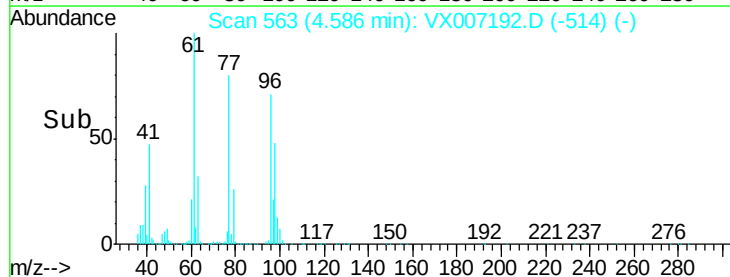
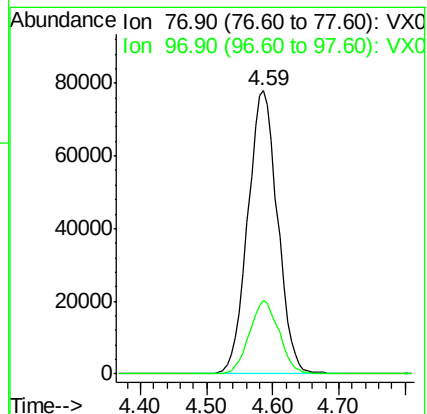
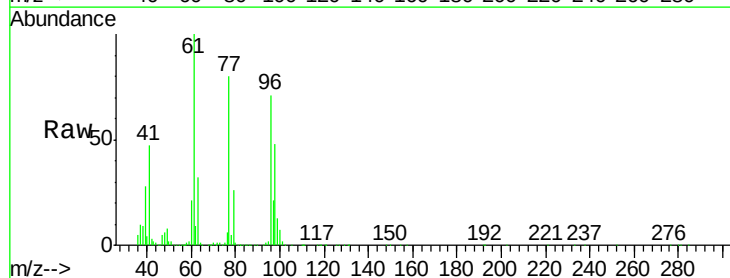
Acq: 22 Jan 2019 19:54

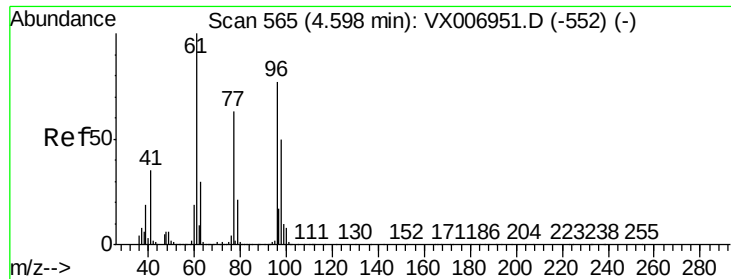
Tgt Ion: 77 Resp: 243787

Ion Ratio Lower Upper

77 100

97 25.9 12.4 37.4



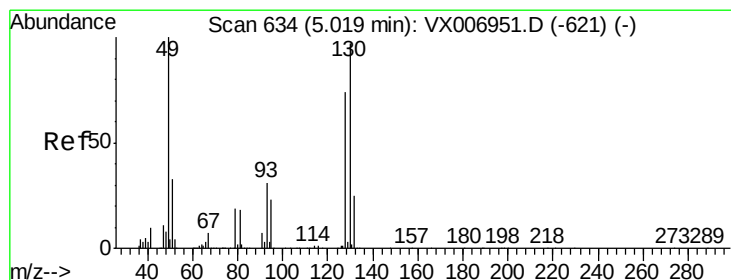
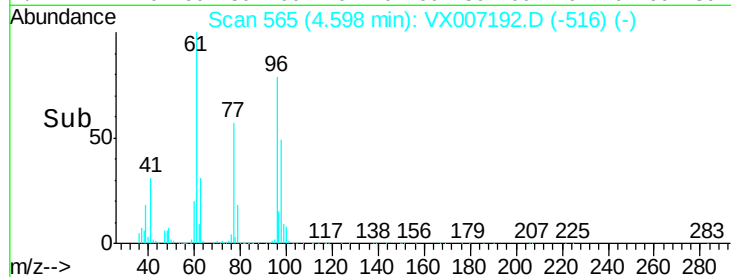
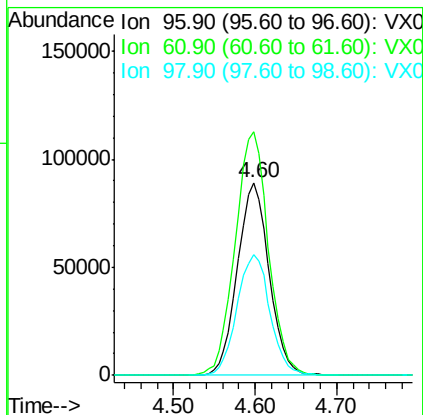
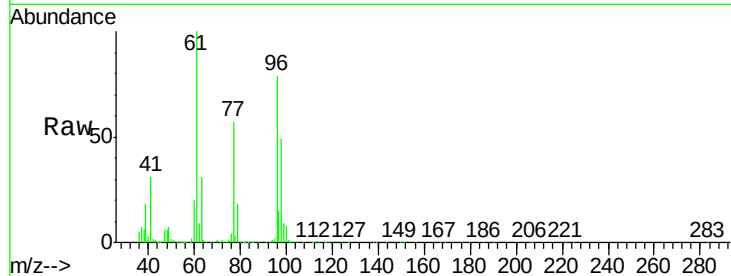


#27

cis-1,2-Dichloroethene
 Concen: 48.440 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

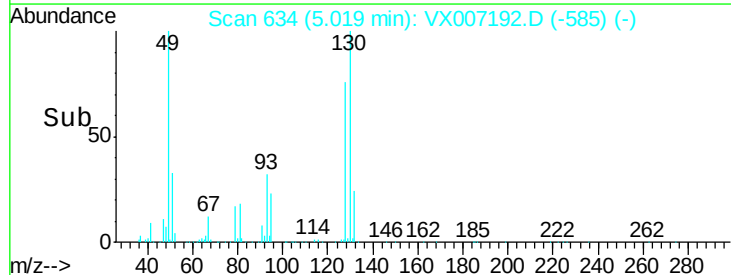
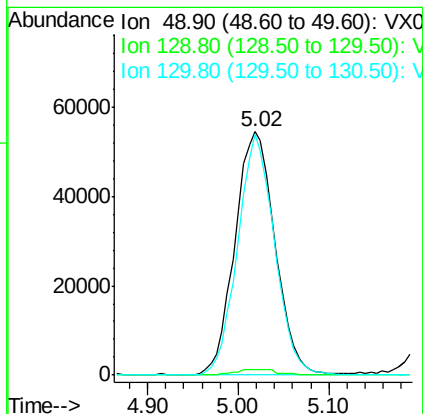
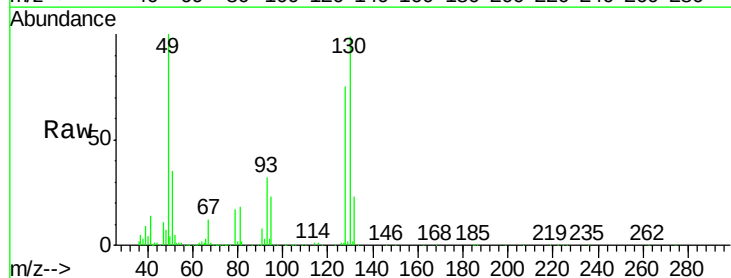
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.9	0.0	258.6
98	65.2	0.0	132.0

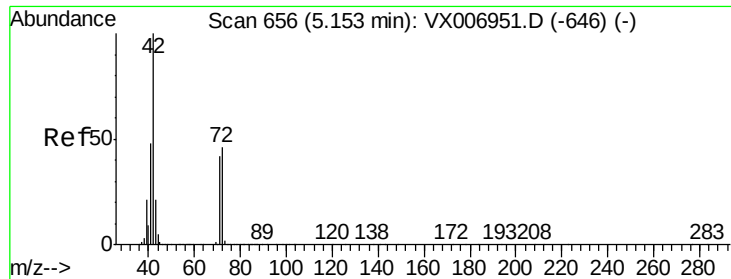


#28

Bromochloromethane
 Concen: 52.499 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.4
130	91.4	77.7	116.5





#29

Tetrahydrofuran

Concen: 258.333 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

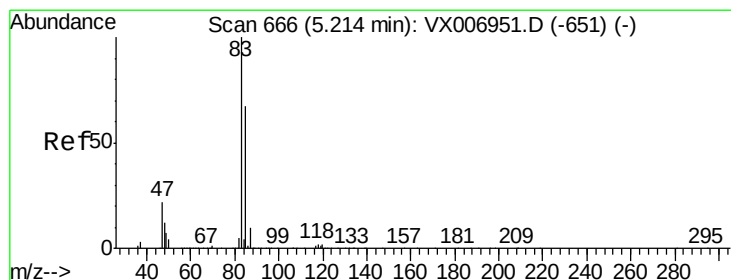
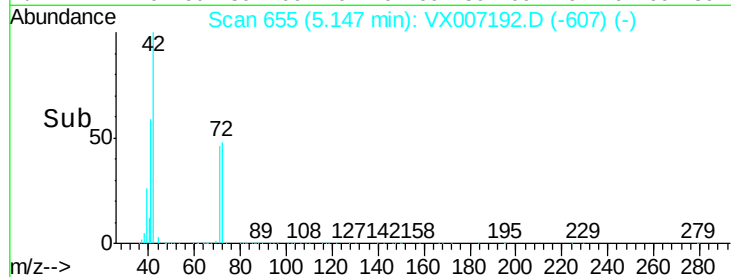
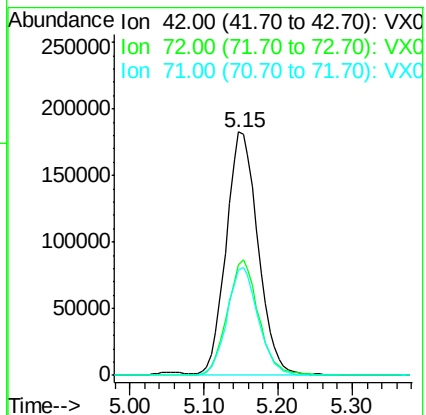
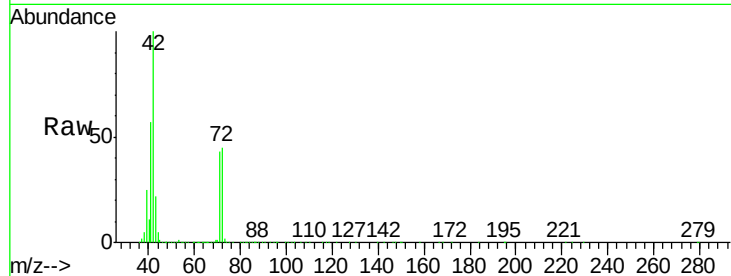
Tot Ion: 42 Resp: 545306

Ion Ratio Lower Upper

42 100

72 46.7 38.9 58.3

71 43.9 36.2 54.4



#30

Chloroform

Concen: 51.478 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX007192.D

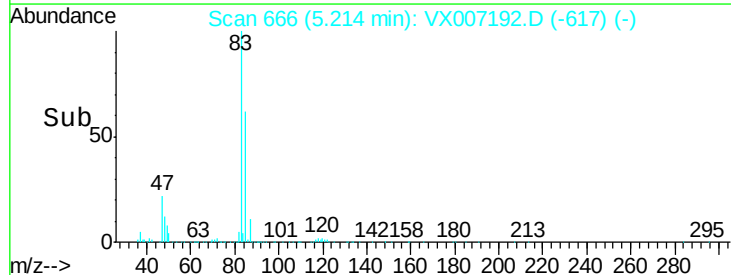
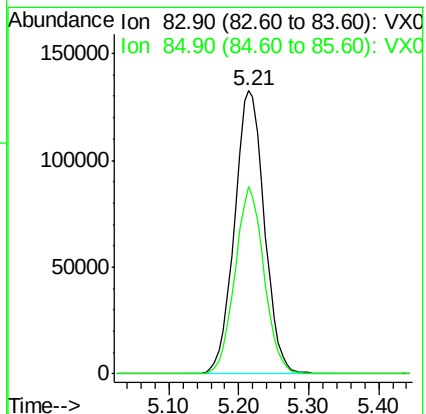
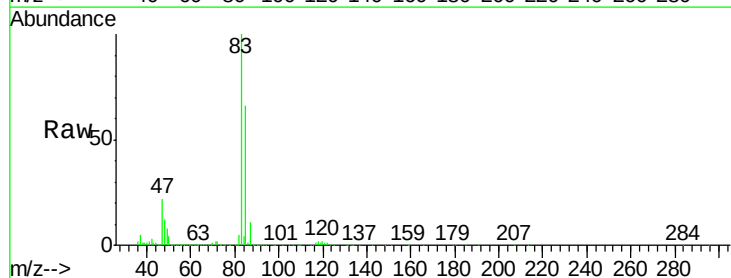
Acq: 22 Jan 2019 19:54

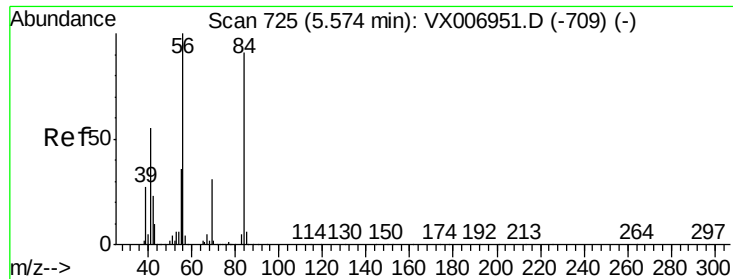
Tgt Ion: 83 Resp: 392111

Ion Ratio Lower Upper

83 100

85 66.3 51.2 76.8

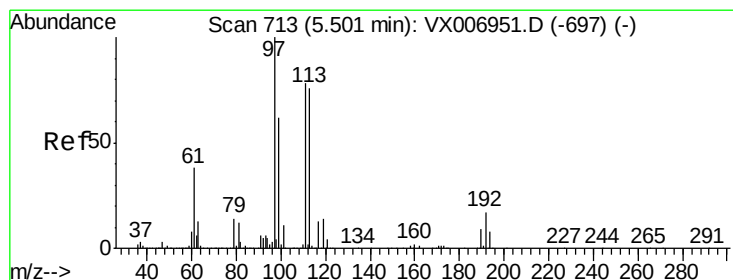
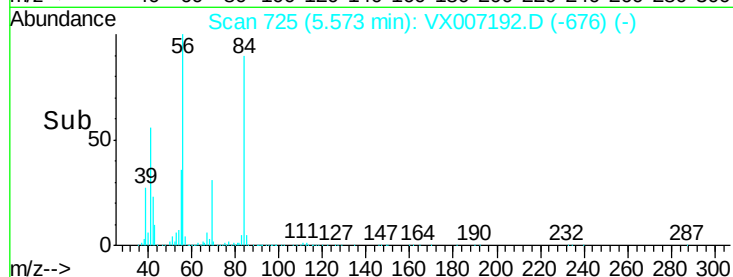
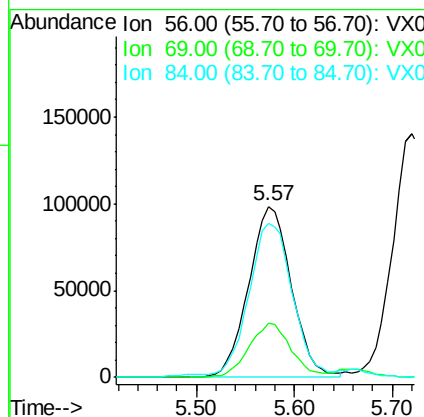
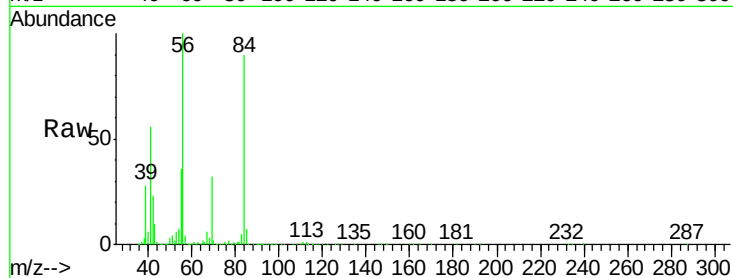




#31
Cyclohexane
Concen: 46.238 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

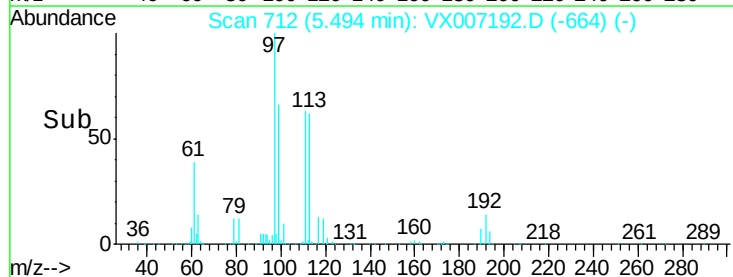
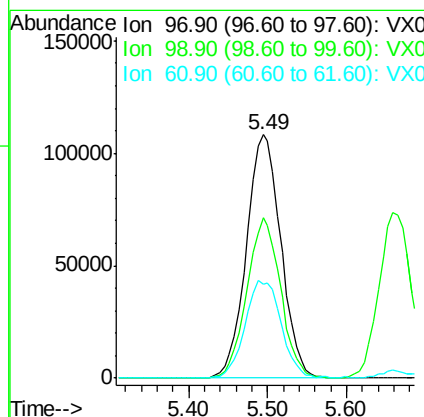
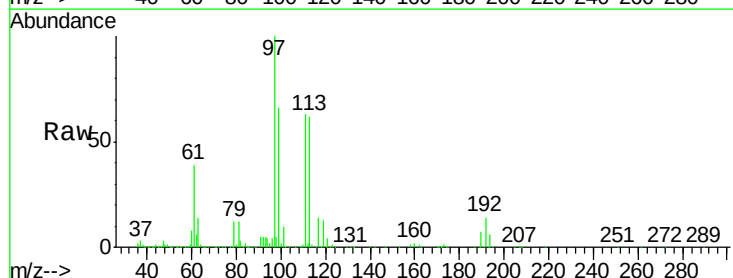
Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

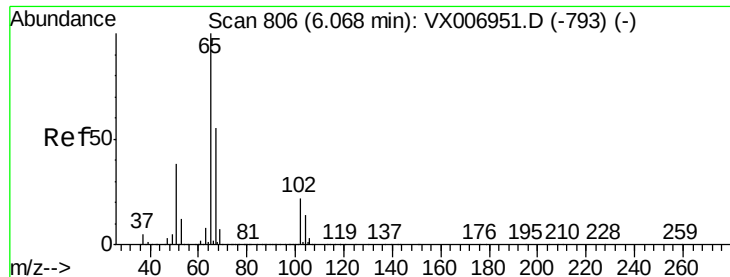
Tot Ion: 56 Resp: 299396
Ion Ratio Lower Upper
56 100
69 31.6 24.4 36.6
84 87.9 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 50.931 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion: 97 Resp: 328823
Ion Ratio Lower Upper
97 100
99 64.4 51.7 77.5
61 41.9 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 50.035 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

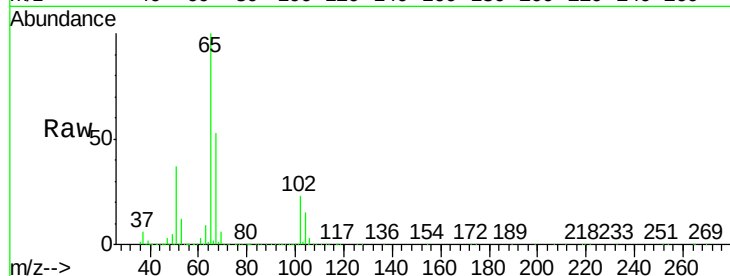
SA-TW524-2327MSD

Tot Ion: 65 Resp: 229751

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

100000

80000

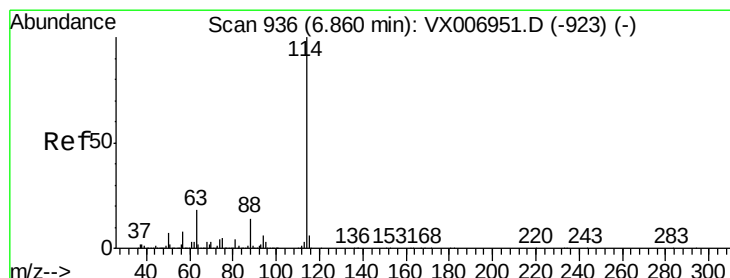
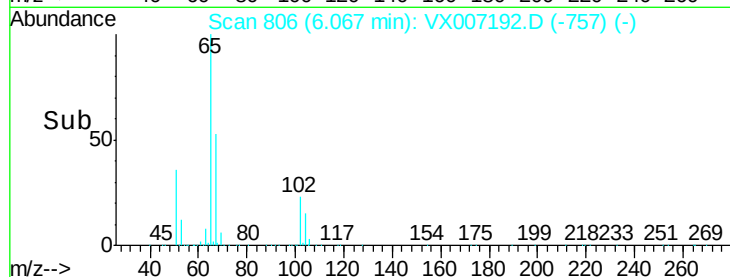
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

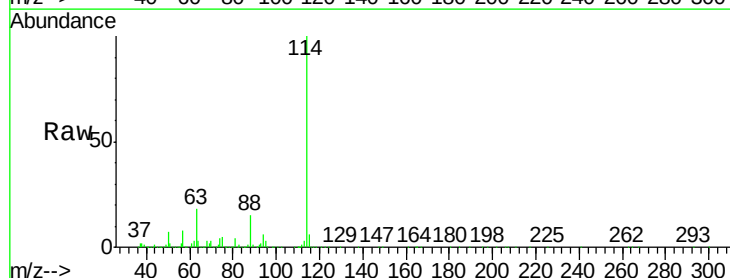
Tgt Ion: 114 Resp: 657435

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

88 14.7 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

400000

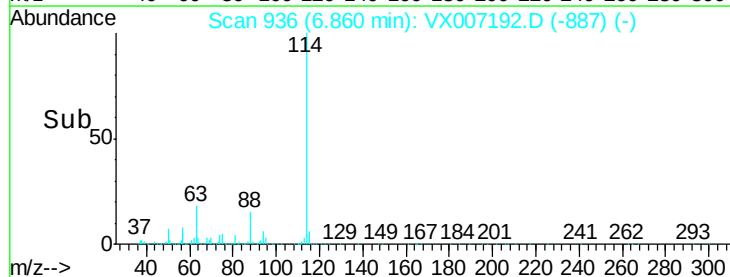
300000

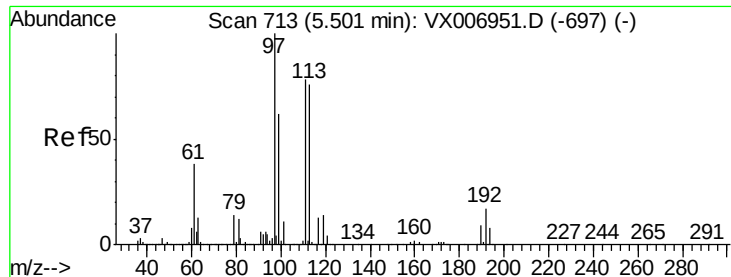
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.765 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

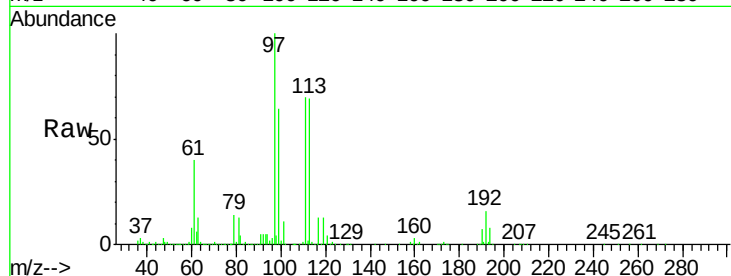
Tot Ion:113 Resp: 209520

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

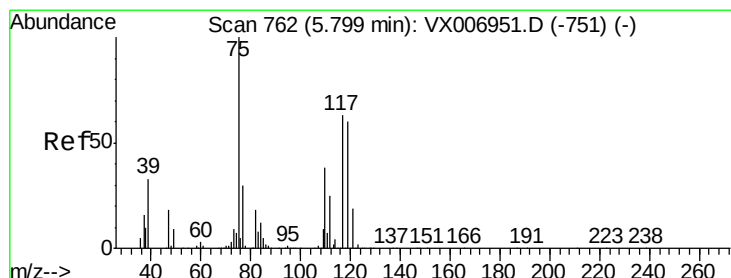
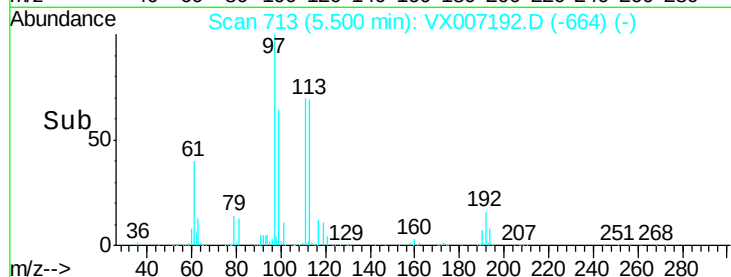
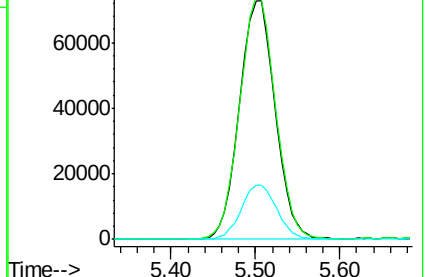
192 22.7 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.231 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

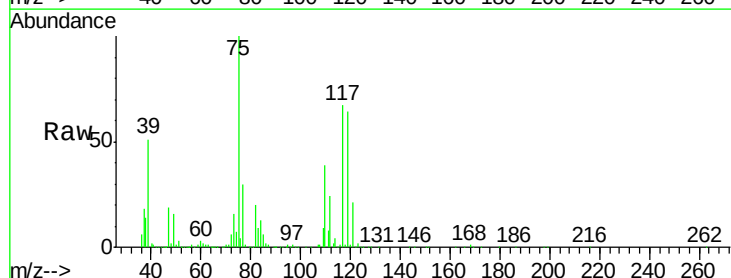
Tgt Ion: 75 Resp: 269966

Ion Ratio Lower Upper

75 100

110 39.9 20.2 60.5

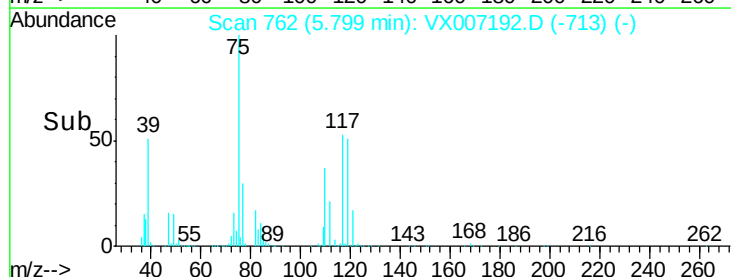
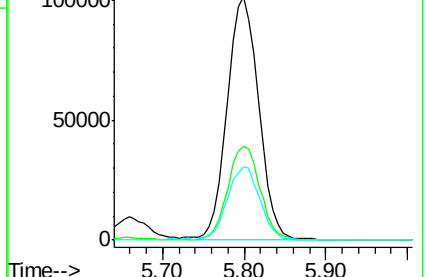
77 30.8 24.8 37.2

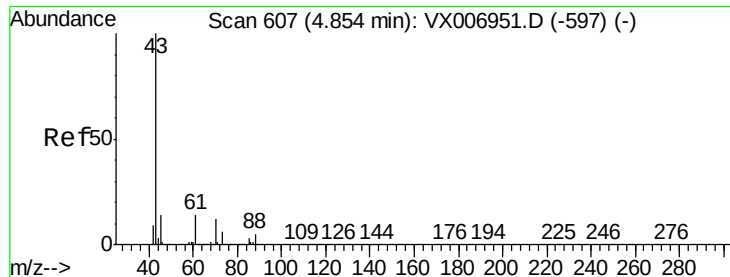


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

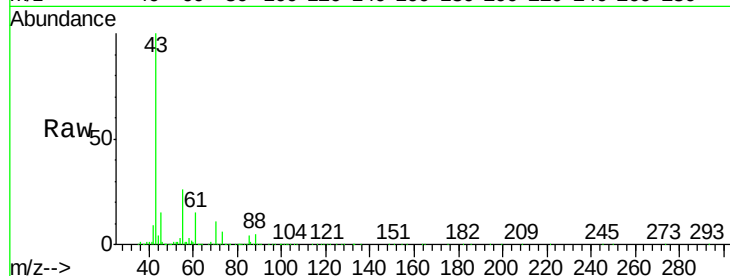




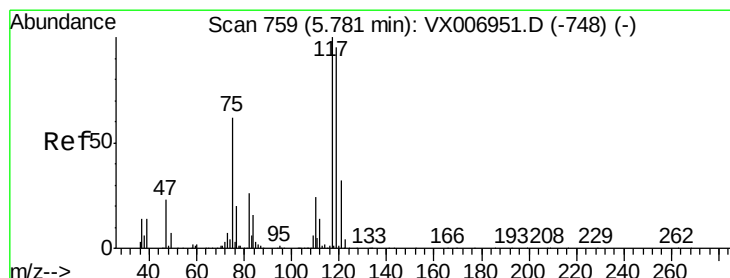
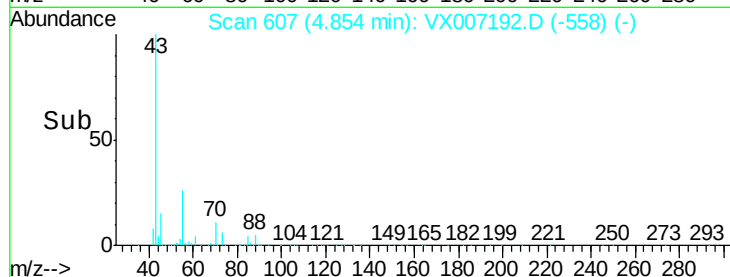
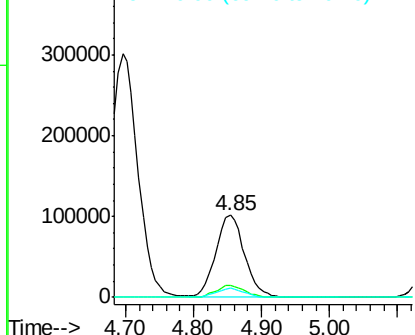
#37
Ethyl Acetate
Concen: 48.742 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

Tot Ion: 43 Resp: 298689
Ion Ratio Lower Upper
43 100
61 14.2 11.9 17.9
70 10.7 9.7 14.5

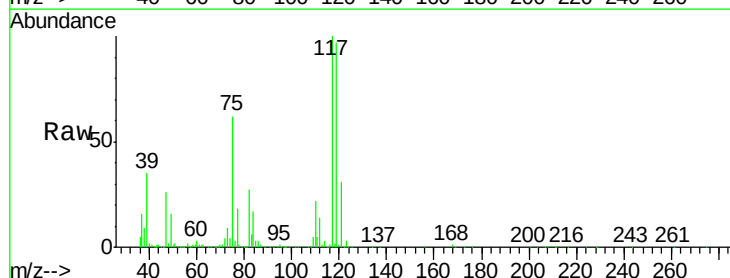


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

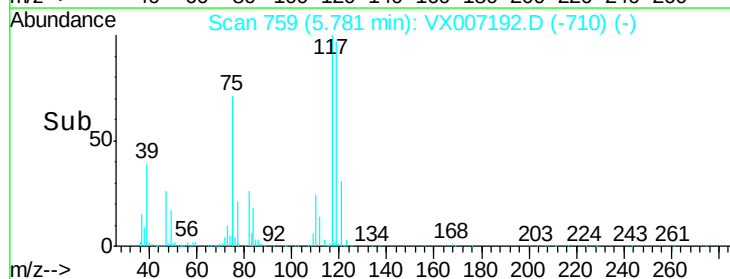
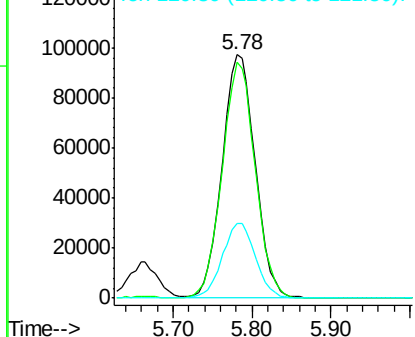


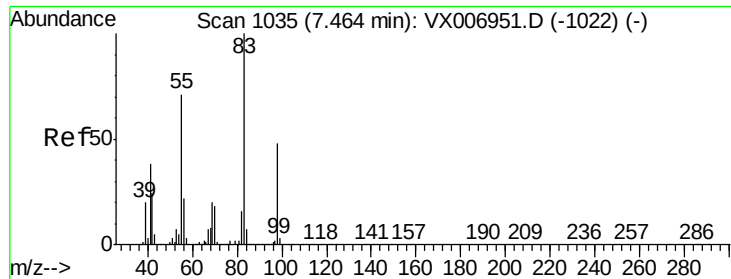
#38
Carbon Tetrachloride
Concen: 49.417 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion: 117 Resp: 284188
Ion Ratio Lower Upper
117 100
119 96.9 79.4 119.2
121 30.8 24.0 36.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

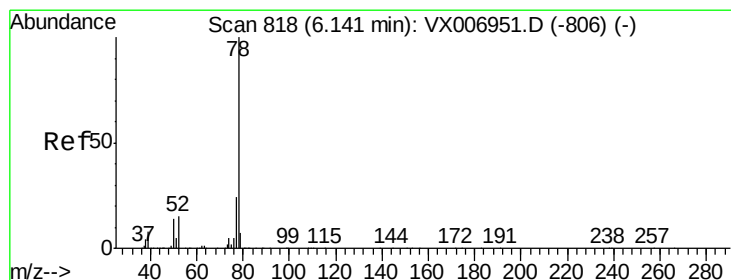
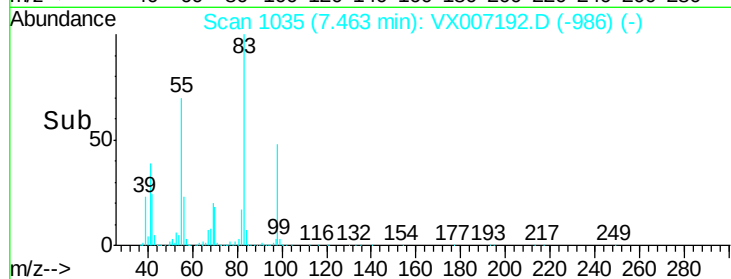
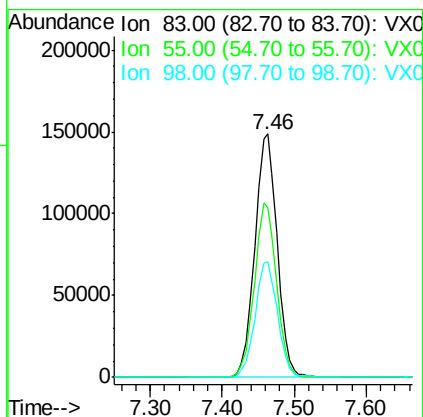
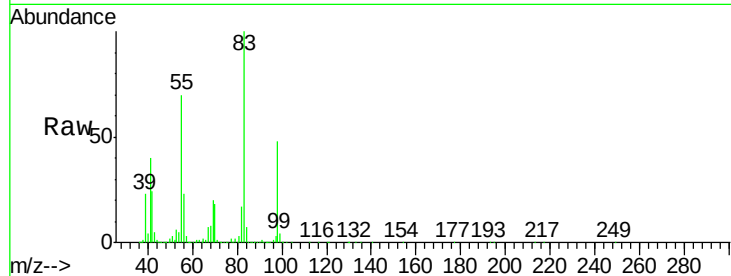




#39
Methylvlcyclohexane
Concen: 44.127 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

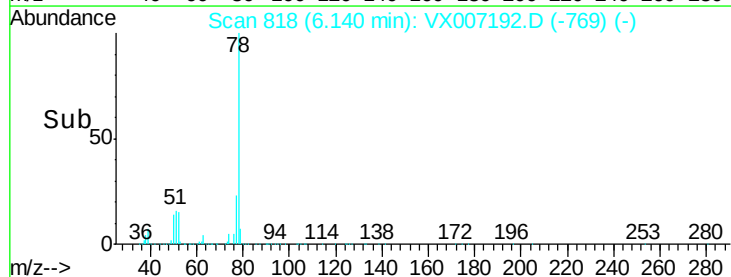
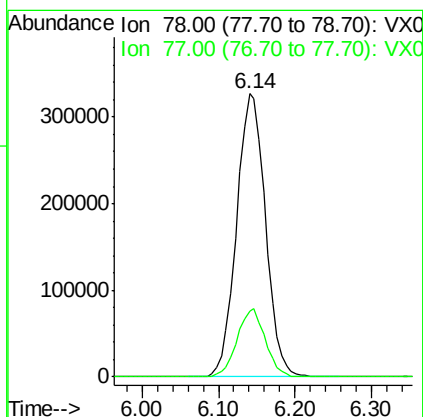
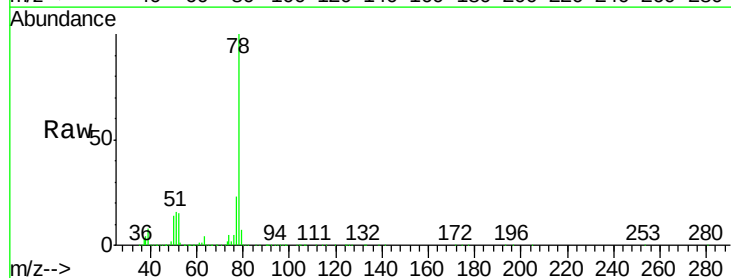
Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

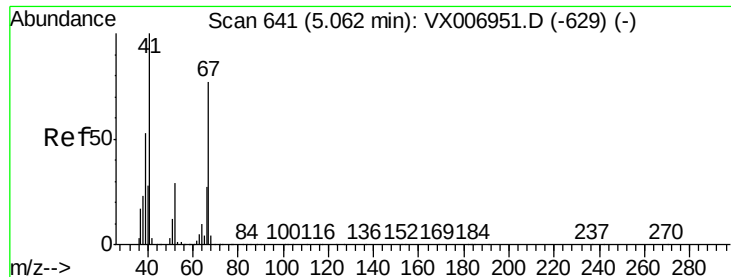
Tot Ion	83	Resp	321545
Ion Ratio	Lower	Upper	
83	100		
55	69.5	54.9	82.3
98	47.6	37.9	56.9



#40
Benzene
Concen: 49.110 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	78	Resp	856523
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.2	28.8





#41

Methacrylonitrile

Concen: 49.817 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 41 Resp: 175861

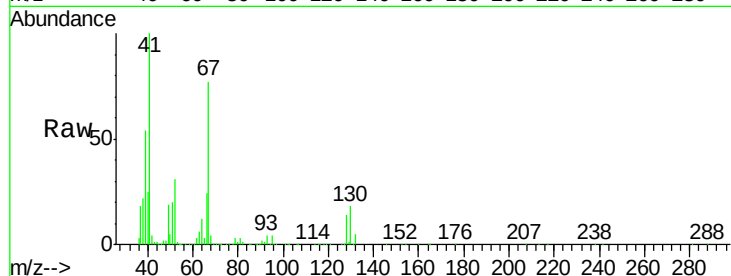
Ion Ratio Lower Upper

41 100

39 54.8 42.8 64.2

67 77.2 62.1 93.1

52 30.3 23.4 35.0

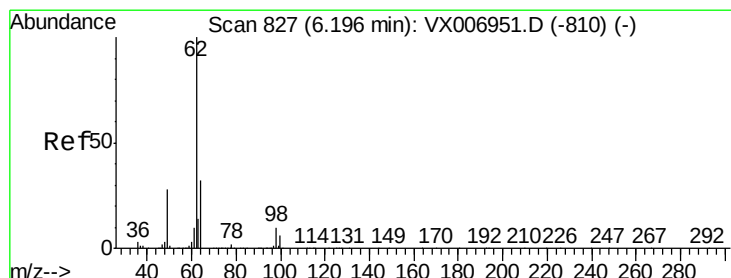
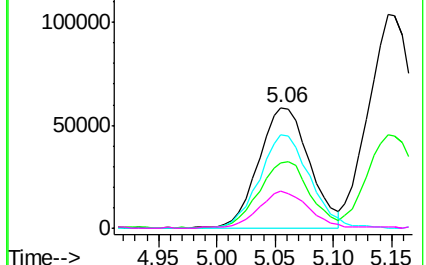
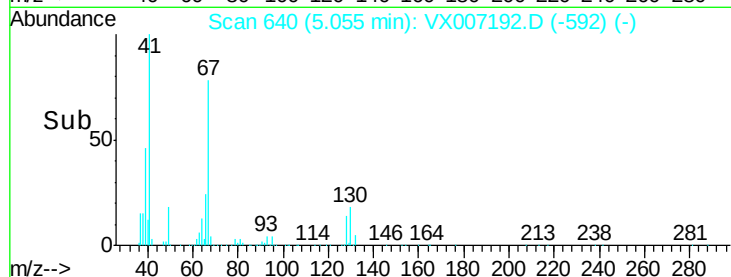


Abundance Ion 41.00 (40.70 to 41.70): VX0

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



#42

1,2-Dichloroethane

Concen: 49.425 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX007192.D

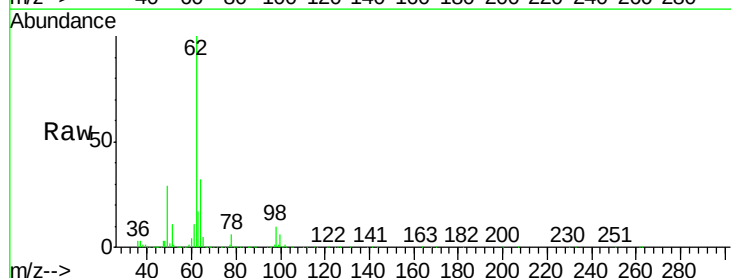
Acq: 22 Jan 2019 19:54

Tgt Ion: 62 Resp: 297876

Ion Ratio Lower Upper

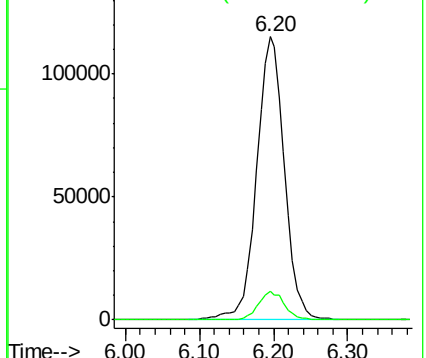
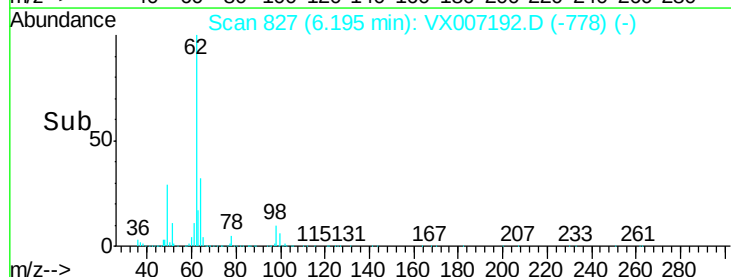
62 100

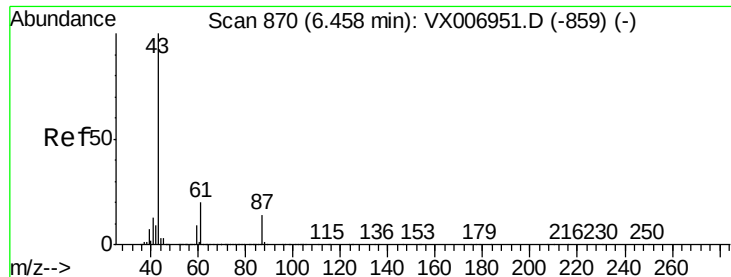
98 9.7 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.638 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

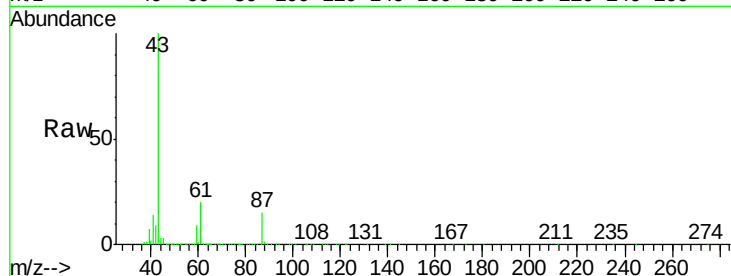
Tot Ion: 43 Resp: 489460

Ion Ratio Lower Upper

43 100

61 20.1 16.8 25.2

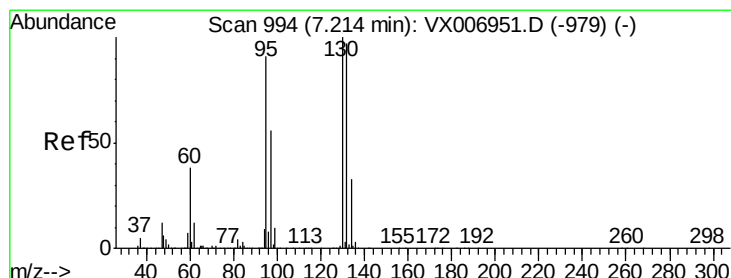
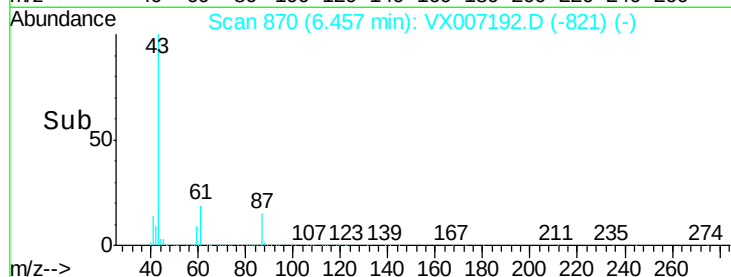
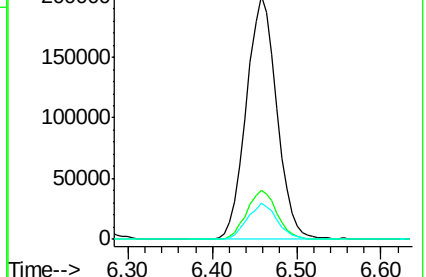
87 14.6 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VX006951.D (-859) (-)

Ion 61.00 (60.70 to 61.70): VX006951.D (-859) (-)

Ion 87.00 (86.70 to 87.70): VX006951.D (-859) (-)



#44

Trichloroethene

Concen: 47.422 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007192.D

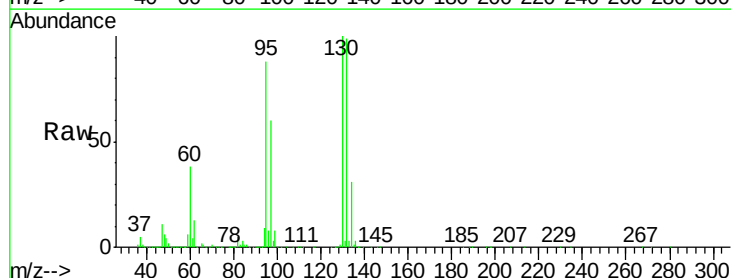
Acq: 22 Jan 2019 19:54

Tgt Ion: 130 Resp: 247844

Ion Ratio Lower Upper

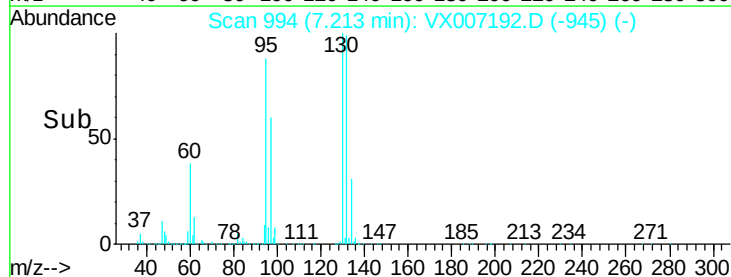
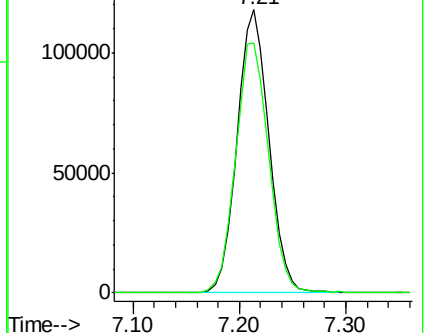
130 100

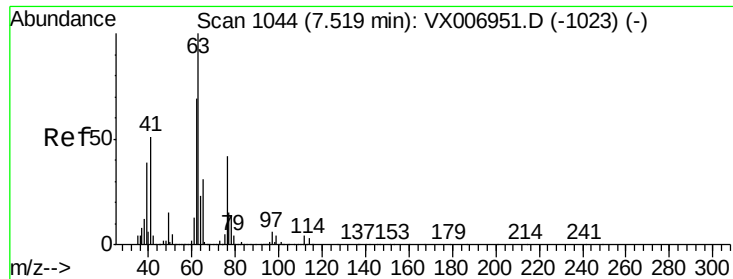
95 88.3 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): VX006951.D (-979) (-)

Ion 94.90 (94.60 to 95.60): VX006951.D (-979) (-)





#45

1,2-Dichloropropane

Concen: 50.531 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

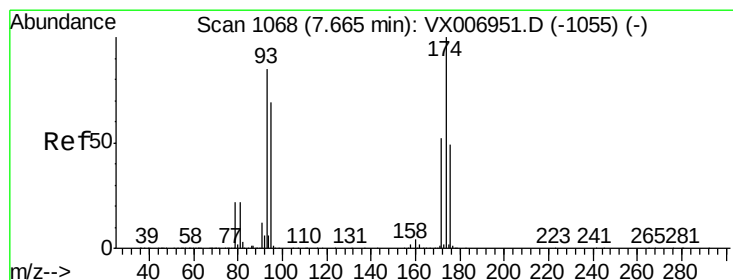
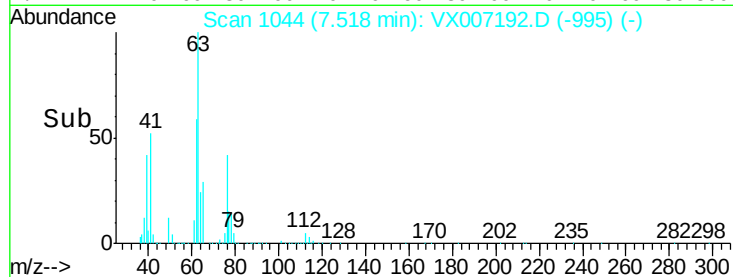
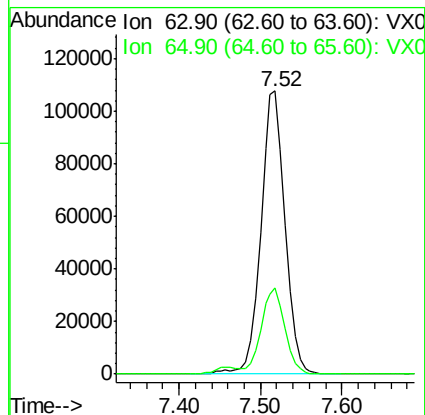
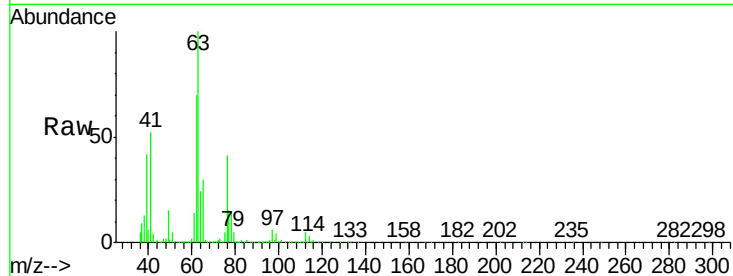
SA-TW524-2327MSD

Tot Ion: 63 Resp: 221564

Ion Ratio Lower Upper

63 100

65 30.2 25.4 38.0



#46

Dibromomethane

Concen: 51.112 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

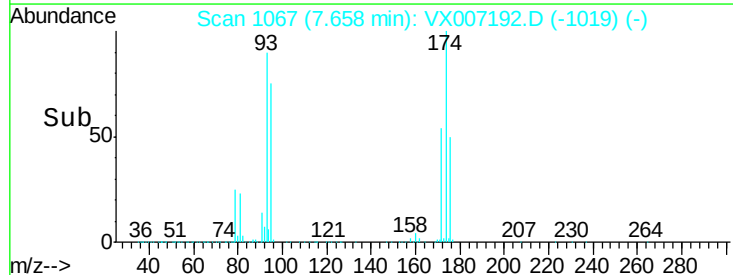
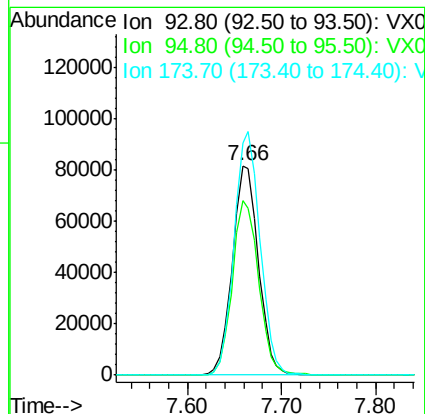
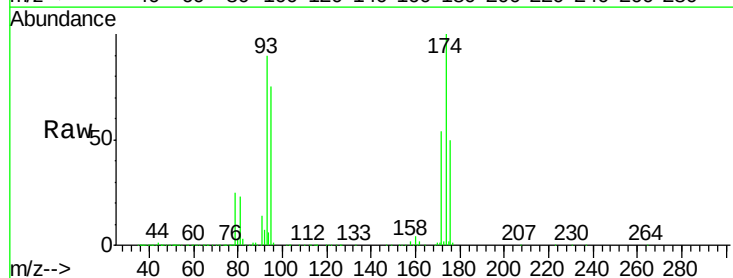
Tgt Ion: 93 Resp: 157504

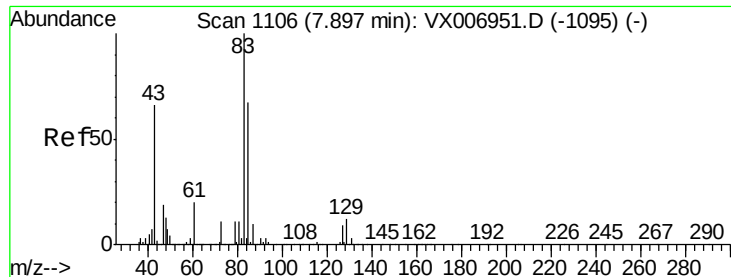
Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.4

174 115.7 91.0 136.4





#47

Bromodichloromethane

Concen: 54.116 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

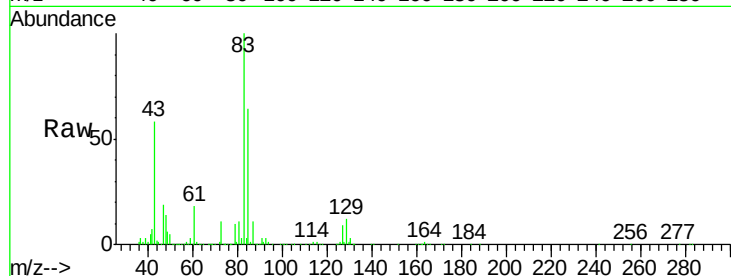
Tot Ion: 83 Resp: 283854

Ion Ratio Lower Upper

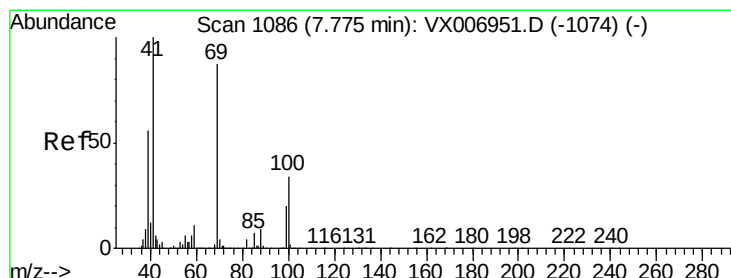
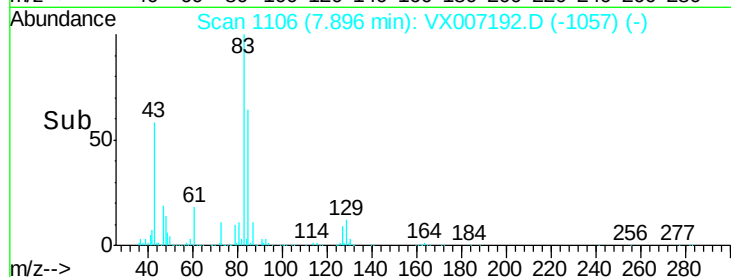
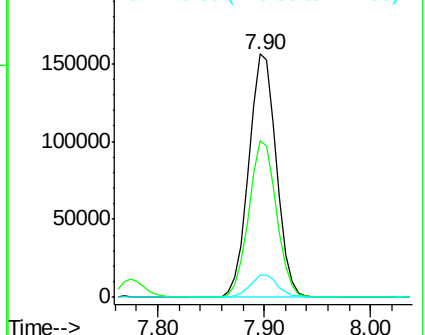
83 100

85 64.4 53.2 79.8

127 9.1 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.285 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

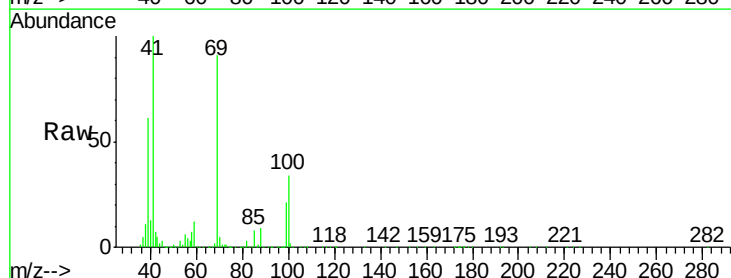
Tgt Ion: 41 Resp: 259533

Ion Ratio Lower Upper

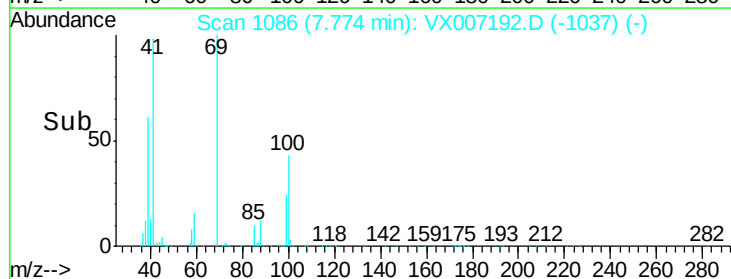
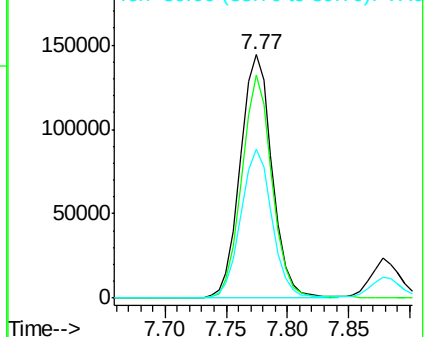
41 100

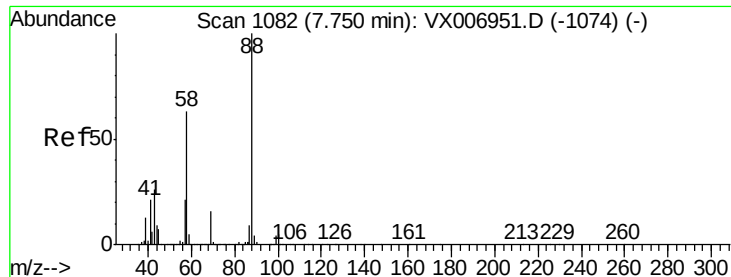
69 87.1 72.4 108.6

39 60.2 45.8 68.8



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





#49

1,4-Dioxane

Concen: 1127.286 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

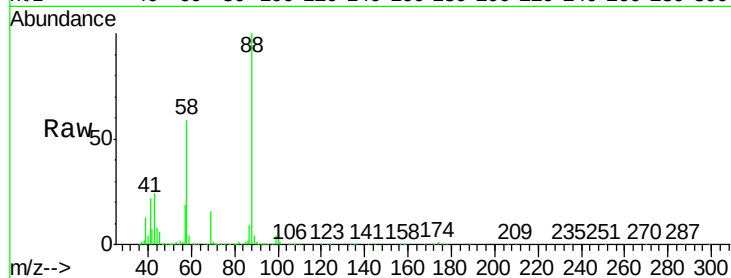
MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 88 Resp: 127664

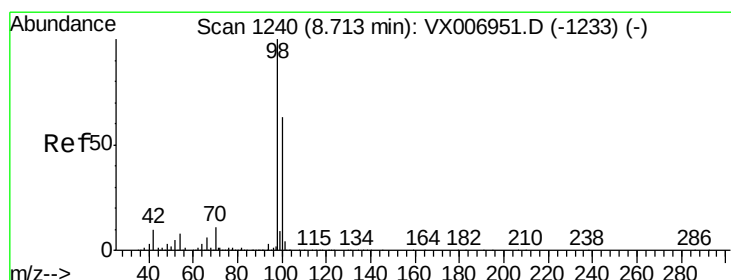
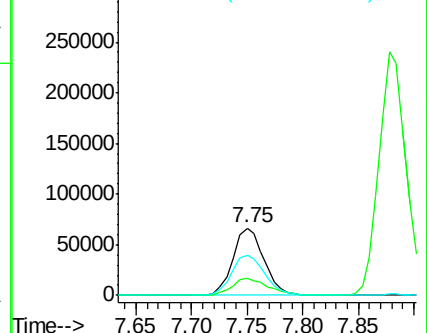
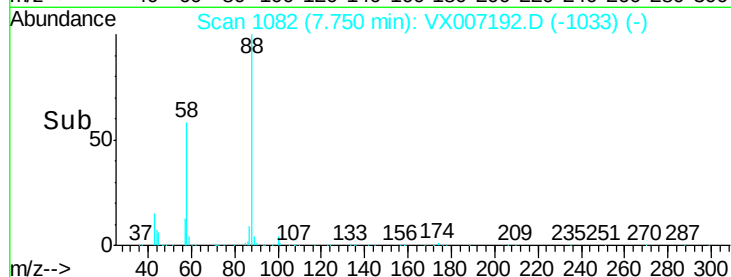
Ion	Ratio	Lower	Upper
88	100		
43	29.1	22.2	33.4
58	63.9	51.0	76.4



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.188 ug/l

RT: 8.71 min Scan# 1240

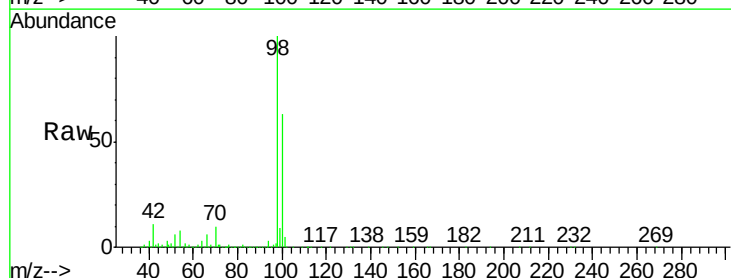
Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

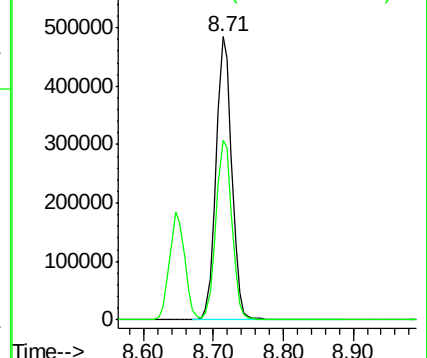
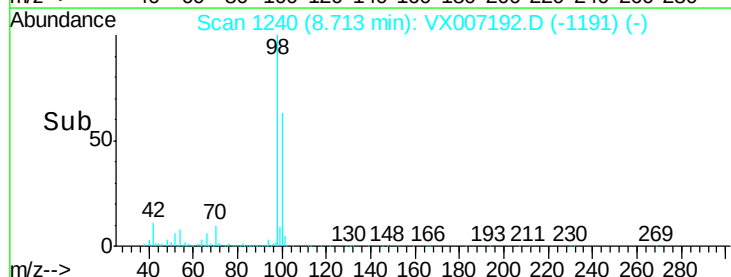
Tgt Ion: 98 Resp: 758011

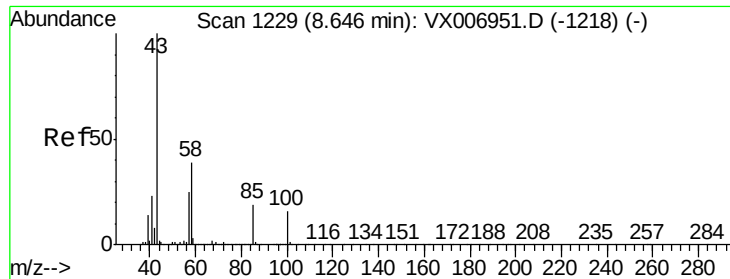
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 278.725 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

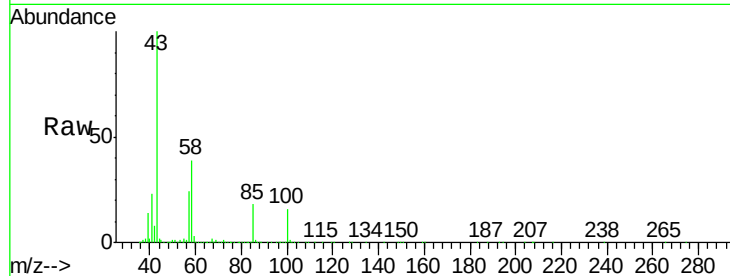
SA-TW524-2327MSD

Tot Ion: 43 Resp: 1731420

Ion Ratio Lower Upper

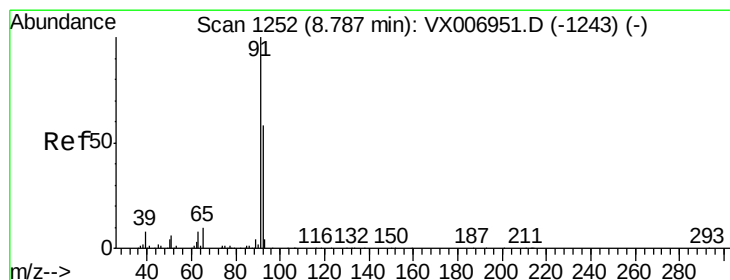
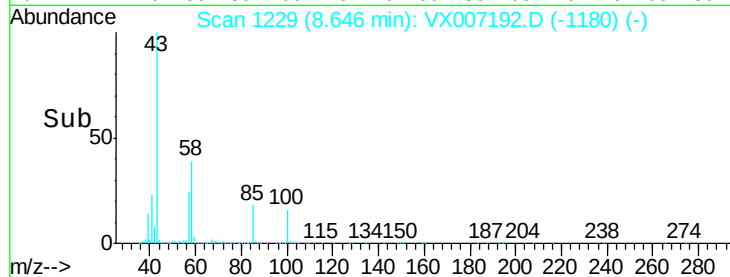
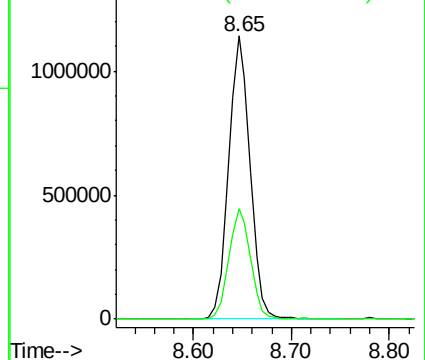
43 100

58 39.2 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.244 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007192.D

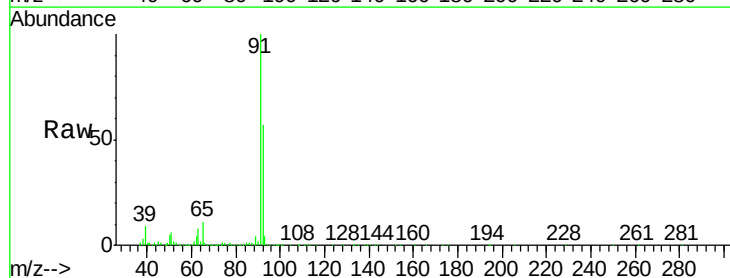
Acq: 22 Jan 2019 19:54

Tgt Ion: 92 Resp: 563221

Ion Ratio Lower Upper

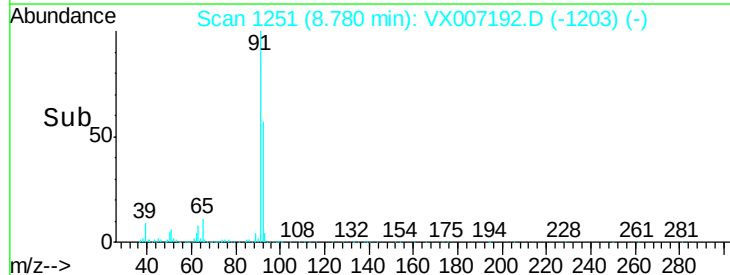
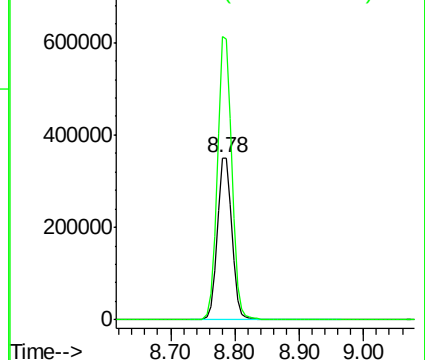
92 100

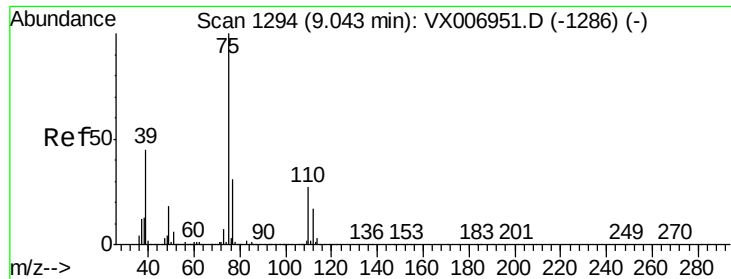
91 172.9 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 52.334 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

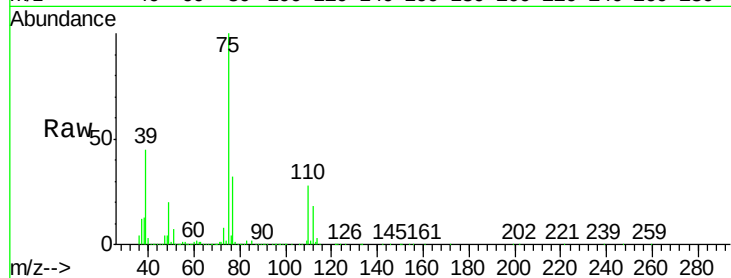
SA-TW524-2327MSD

Tot Ion: 75 Resp: 304394

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

200000

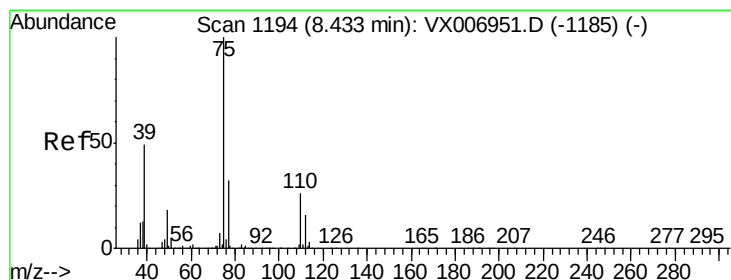
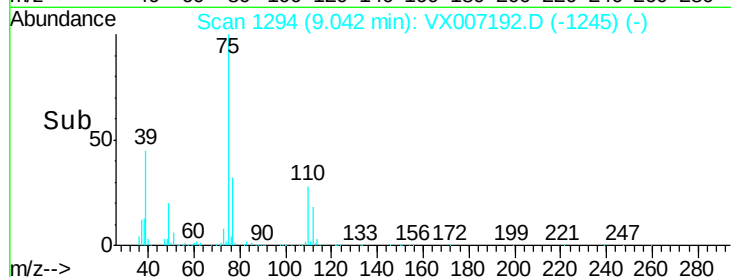
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10



#54

cis-1,3-Dichloropropene

Concen: 51.586 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

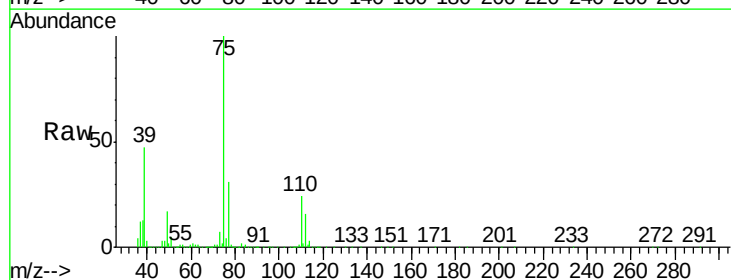
Tgt Ion: 75 Resp: 331349

Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.2

39 46.5 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

250000

200000

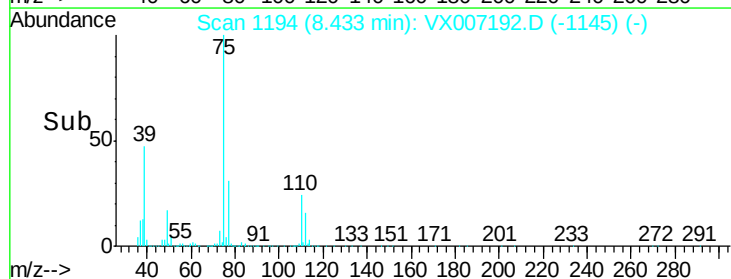
150000

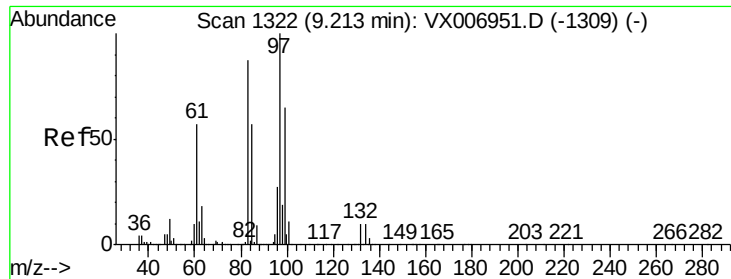
100000

50000

0

Time--> 8.30 8.40 8.50





#55

1,1,2-Trichloroethane

Concen: 54.401 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 97 Resp: 244090

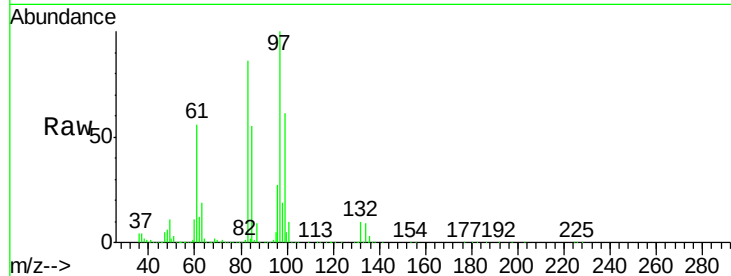
Ion Ratio Lower Upper

97 100

83 86.5 66.6 99.8

85 54.9 42.7 64.1

99 61.0 50.8 76.2

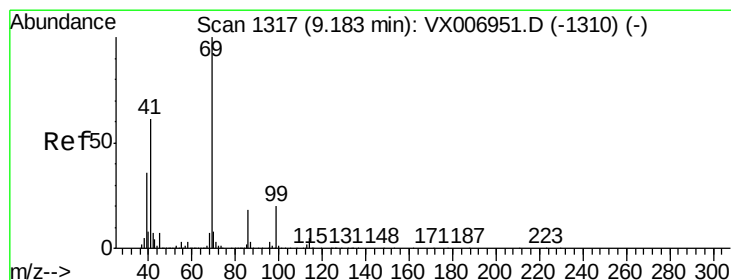
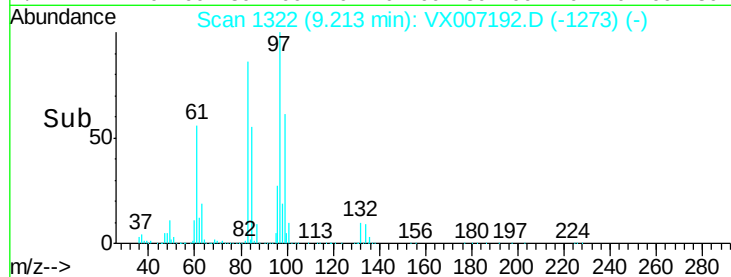
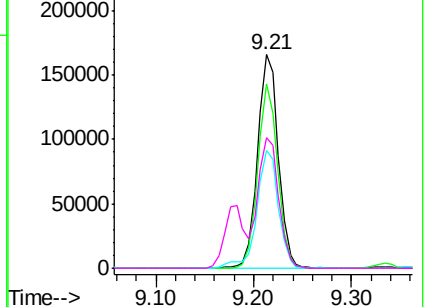


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 54.527 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

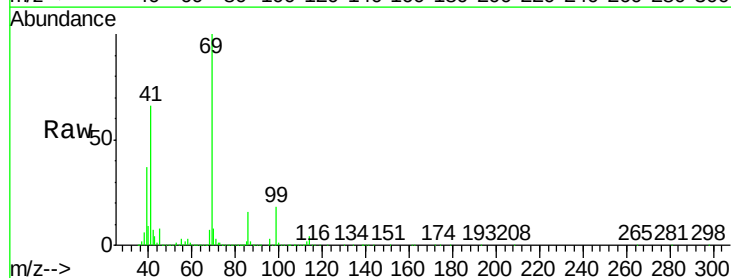
Tgt Ion: 69 Resp: 357165

Ion Ratio Lower Upper

69 100

41 64.1 48.7 73.1

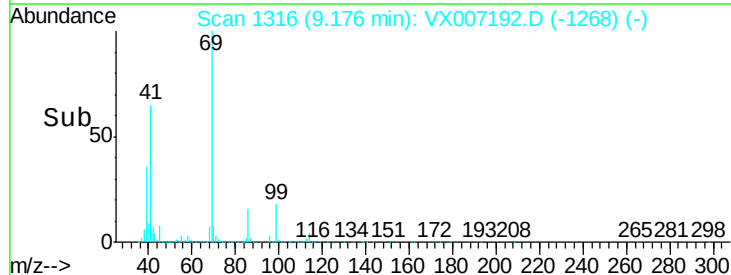
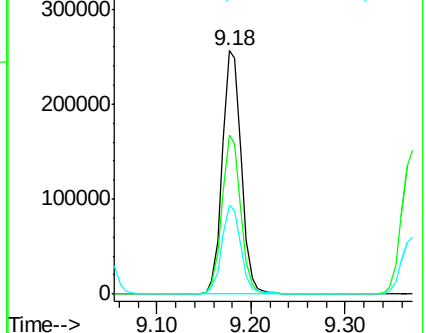
39 36.3 27.0 40.6

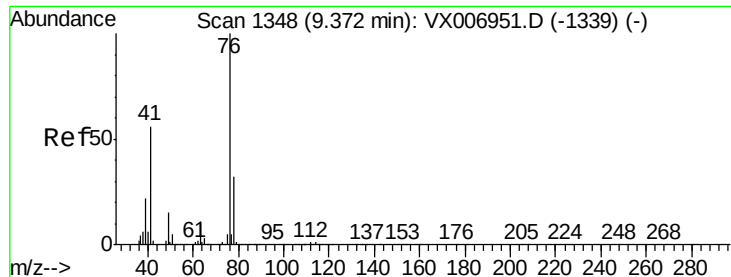


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 52.509 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

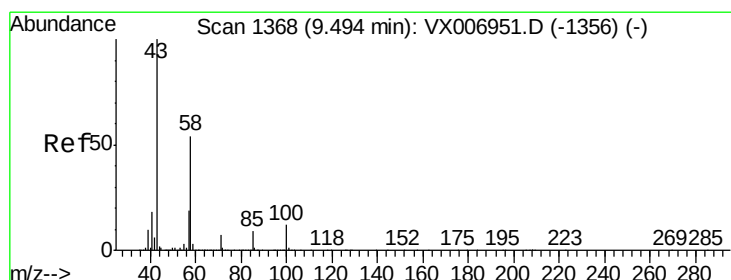
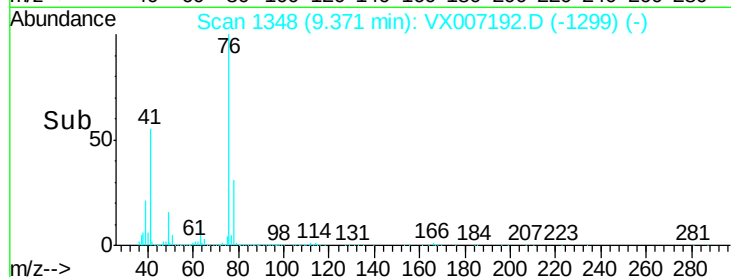
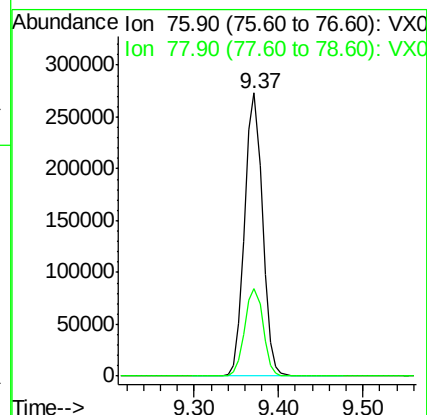
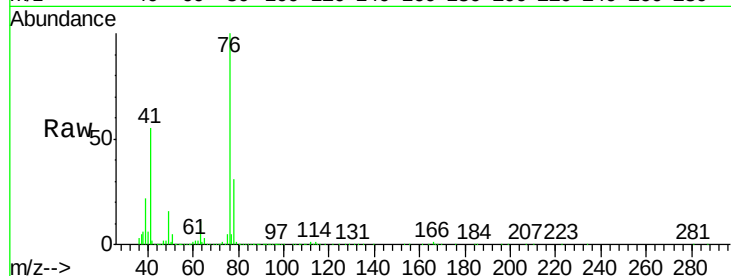
SA-TW524-2327MSD

Tot Ion: 76 Resp: 385983

Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0



#59

2-Hexanone

Concen: 275.960 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VX007192.D

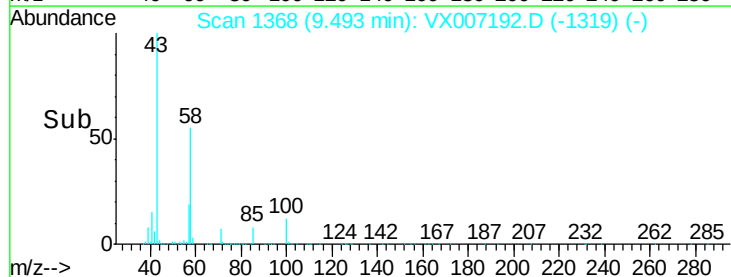
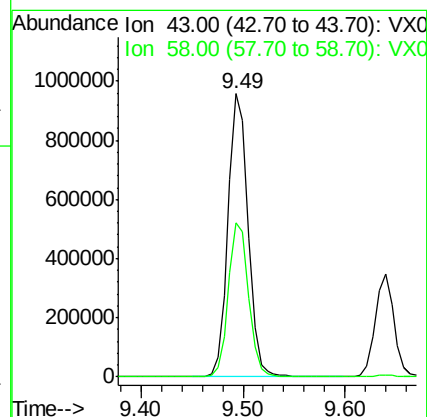
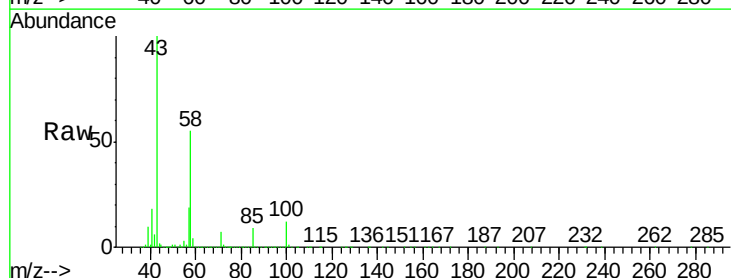
Acq: 22 Jan 2019 19:54

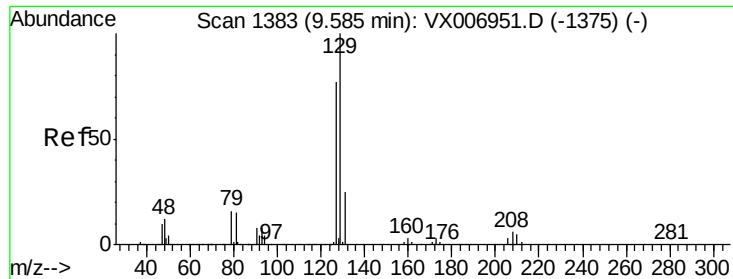
Tgt Ion: 43 Resp: 1306350

Ion Ratio Lower Upper

43 100

58 54.9 27.7 83.1





#60

Dibromochloromethane

Concen: 58.428 ug/l

RT: 9.58 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

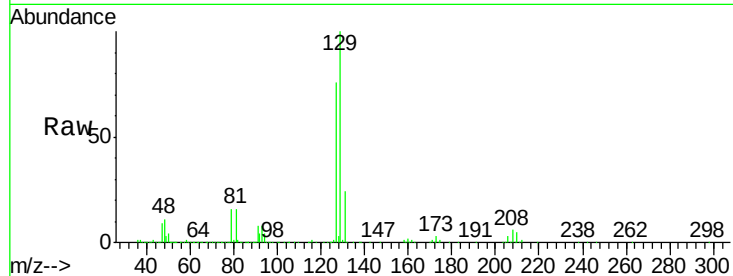
SA-TW524-2327MSD

Tot Ion:129 Resp: 254564

Ion Ratio Lower Upper

129 100

127 76.2 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

200000

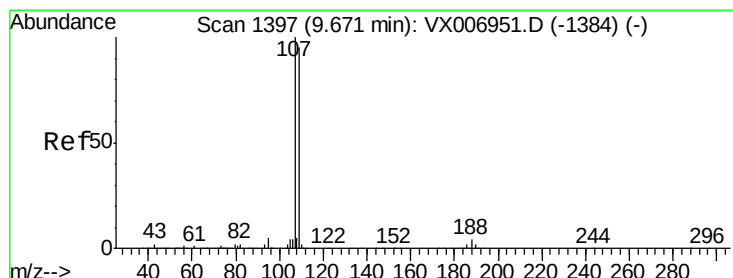
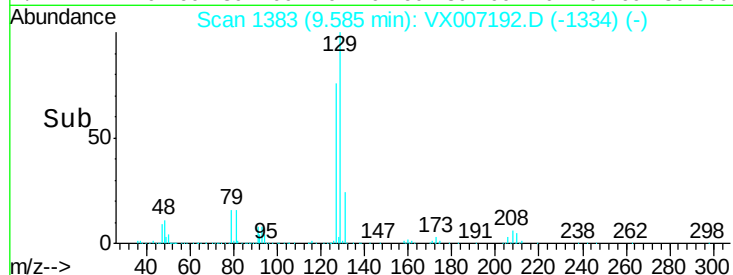
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 52.036 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007192.D

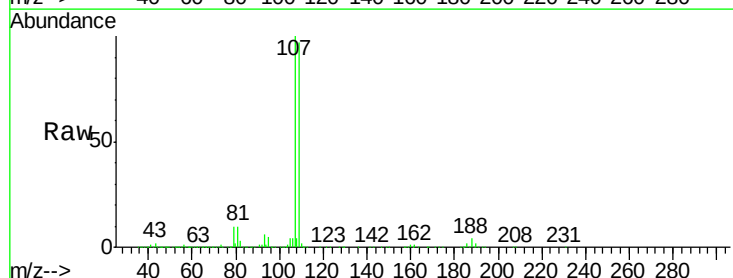
Acq: 22 Jan 2019 19:54

Tgt Ion:107 Resp: 257037

Ion Ratio Lower Upper

107 100

109 95.8 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

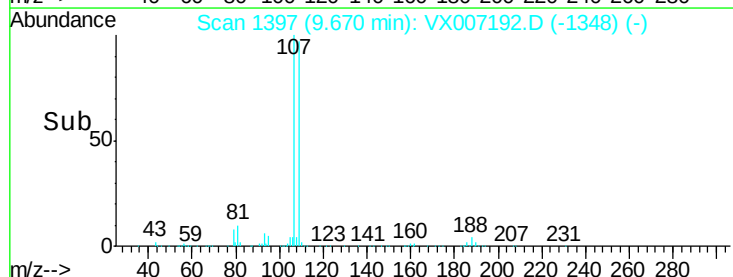
150000

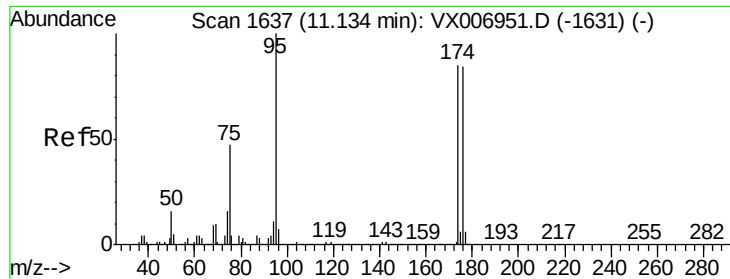
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 53.152 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

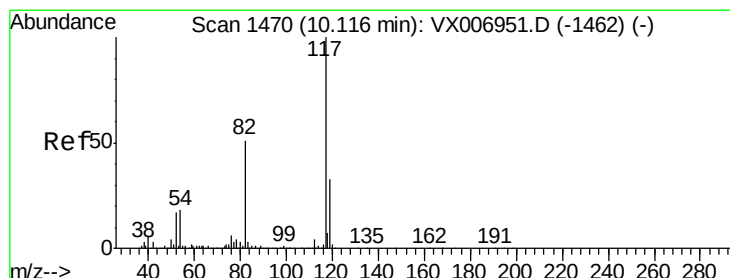
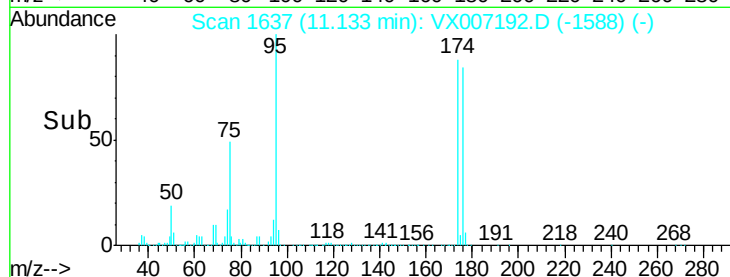
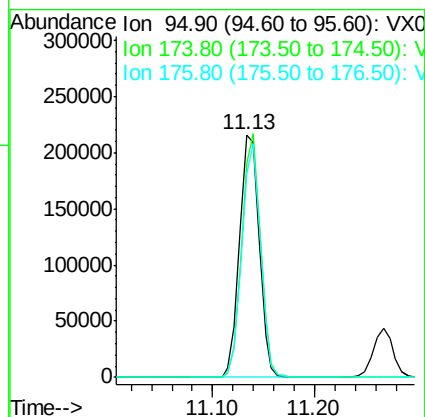
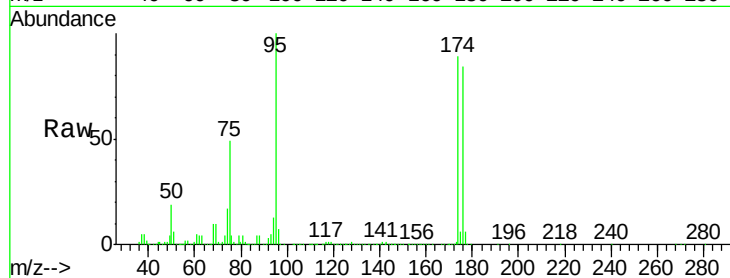
Tot Ion: 95 Resp: 285560

Ion Ratio Lower Upper

95 100

174 94.9 0.0 182.2

176 91.9 0.0 178.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

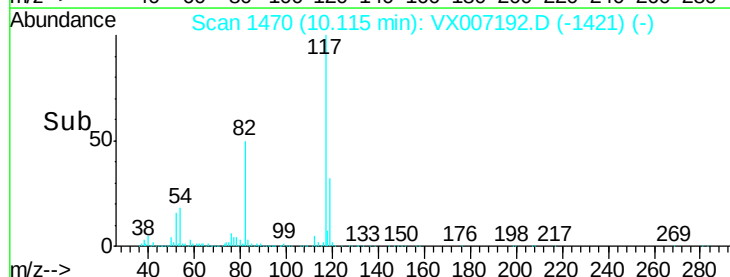
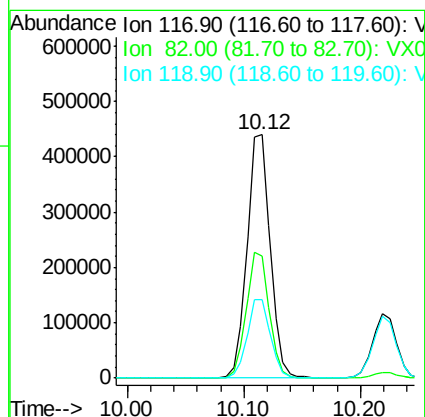
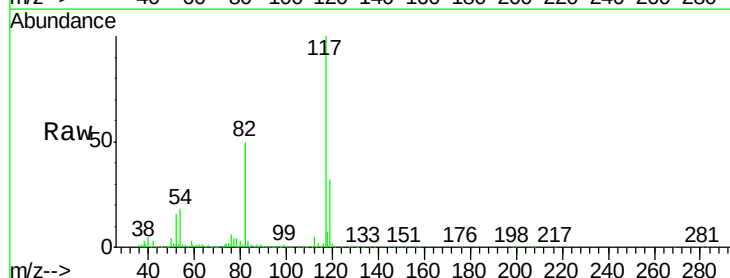
Tgt Ion: 117 Resp: 614916

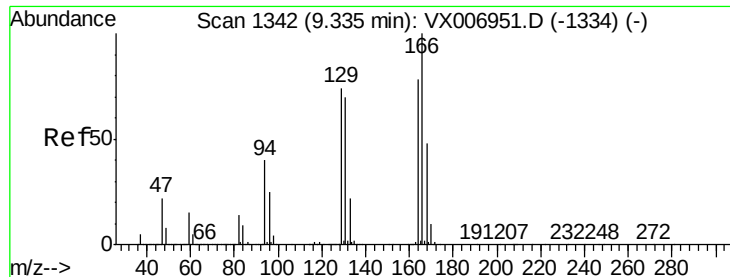
Ion Ratio Lower Upper

117 100

82 50.2 41.0 61.6

119 32.2 25.4 38.0





#64

Tetrachloroethene

Concen: 47.267 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion:164 Resp: 251639

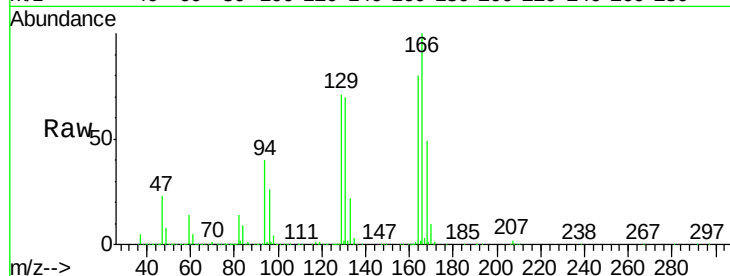
Ion Ratio Lower Upper

164 100

166 125.6 102.5 153.7

129 89.4 75.1 112.7

131 87.4 72.7 109.1

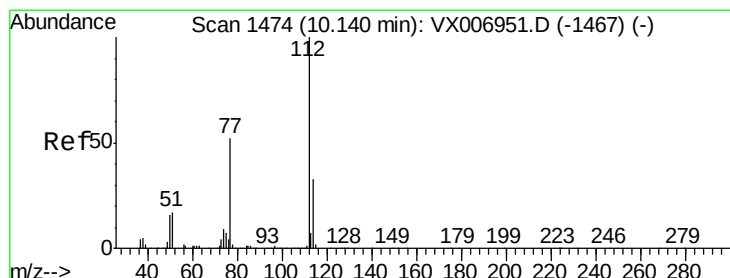
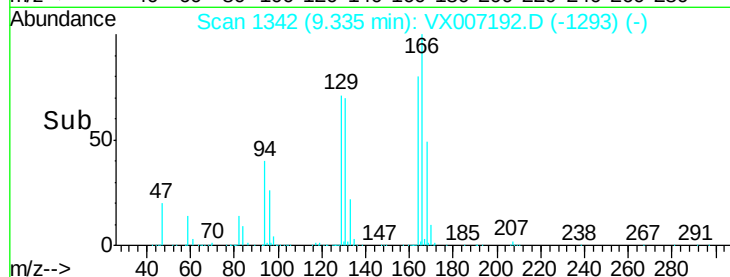
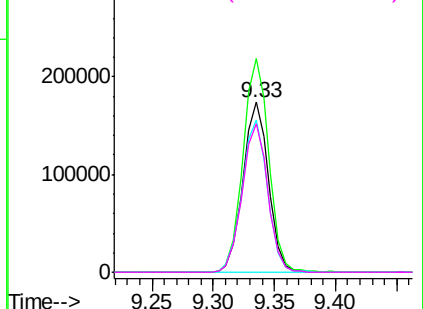


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 49.897 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007192.D

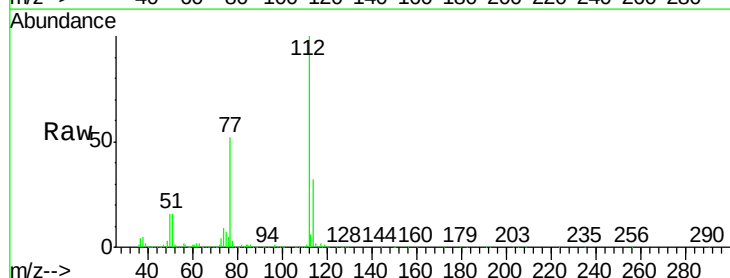
Acq: 22 Jan 2019 19:54

Tgt Ion:112 Resp: 669204

Ion Ratio Lower Upper

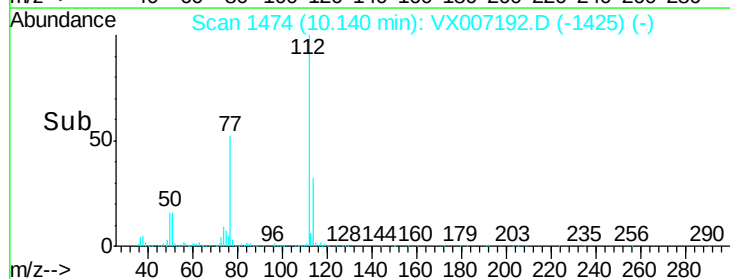
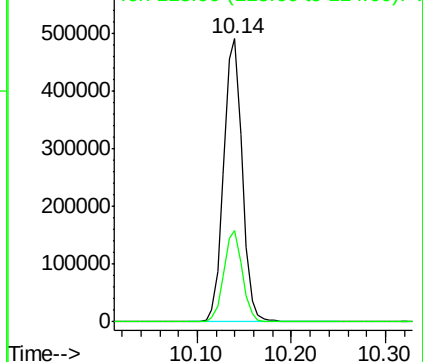
112 100

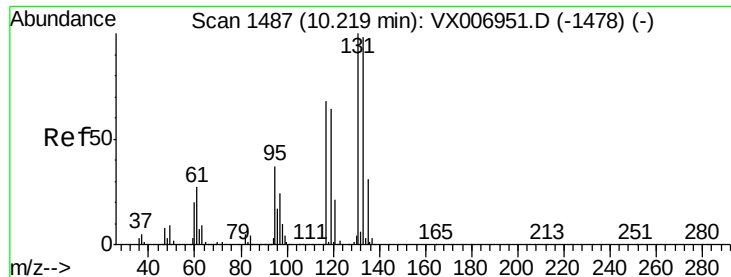
114 32.1 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 53.322 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

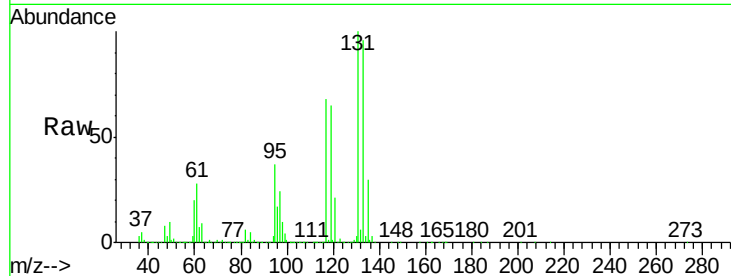
Tot Ion:131 Resp: 240571

Ion Ratio Lower Upper

131 100

133 95.4 48.0 144.2

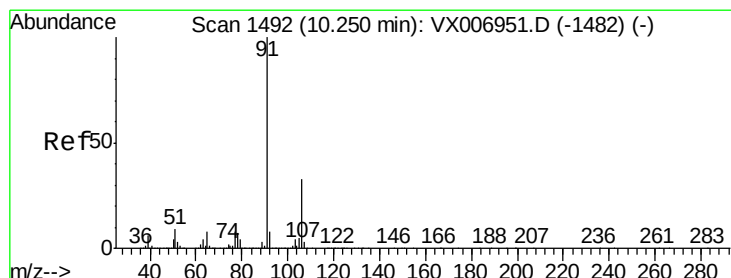
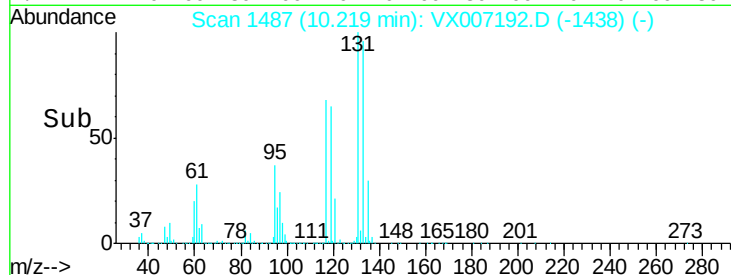
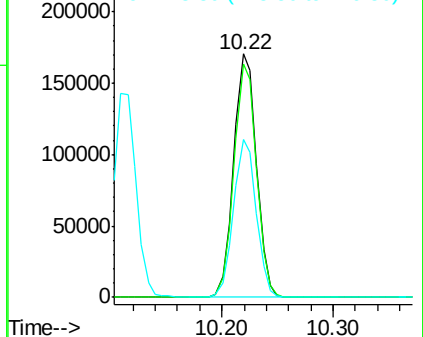
119 64.7 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 49.225 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007192.D

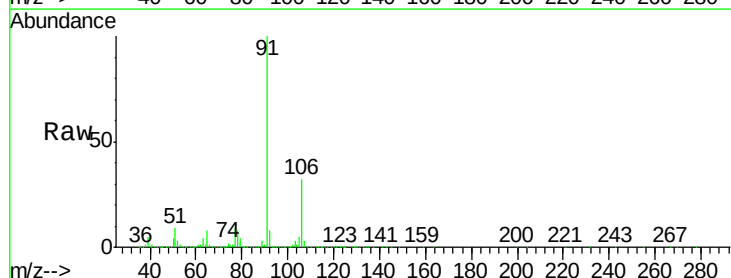
Acq: 22 Jan 2019 19:54

Tgt Ion: 91 Resp: 1089899

Ion Ratio Lower Upper

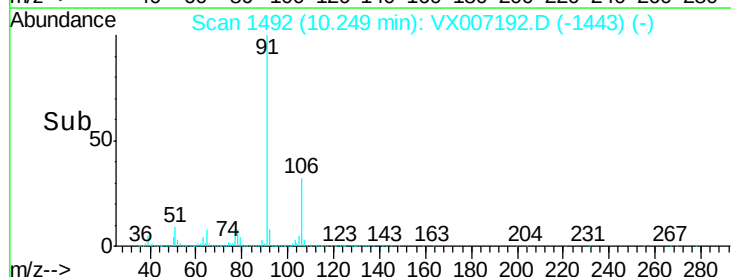
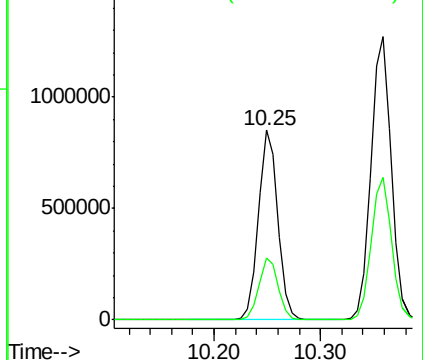
91 100

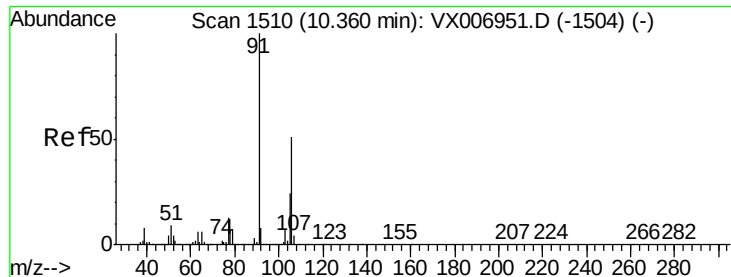
106 32.4 26.4 39.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 98.472 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

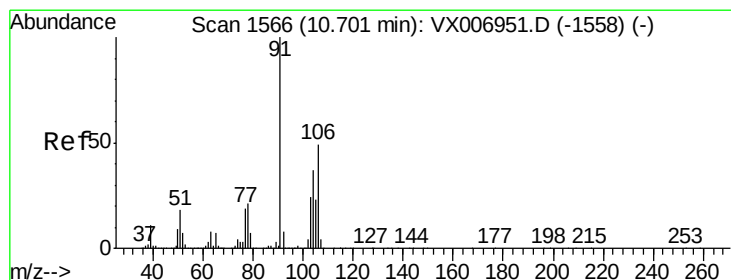
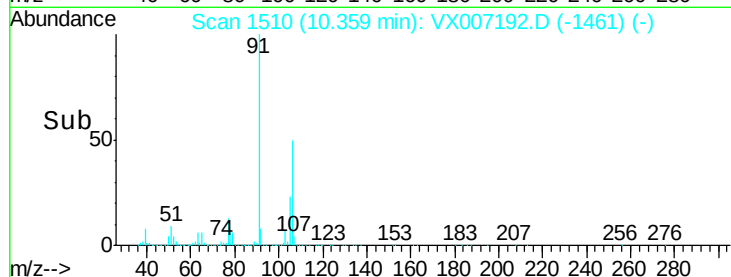
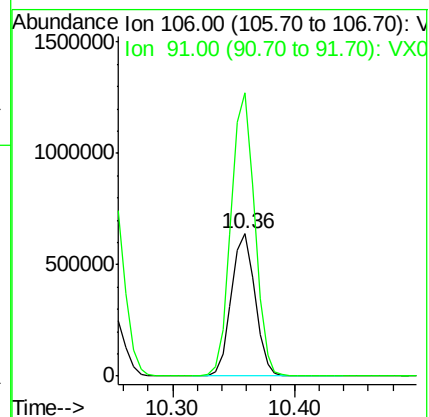
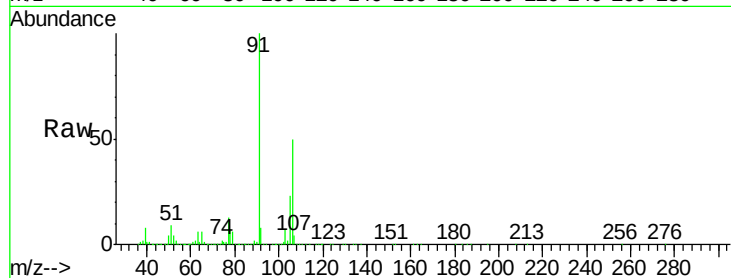
SA-TW524-2327MSD

Tot Ion:106 Resp: 858993

Ion Ratio Lower Upper

106 100

91 197.5 155.8 233.6



#69

o-Xylene

Concen: 50.763 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX007192.D

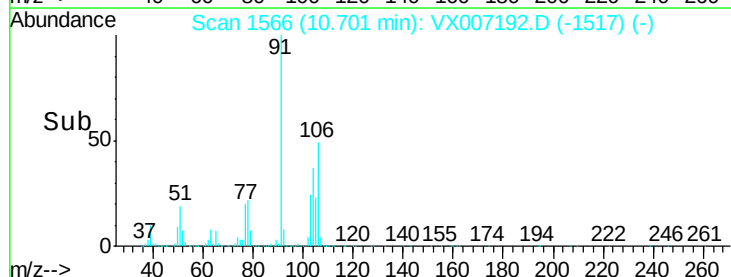
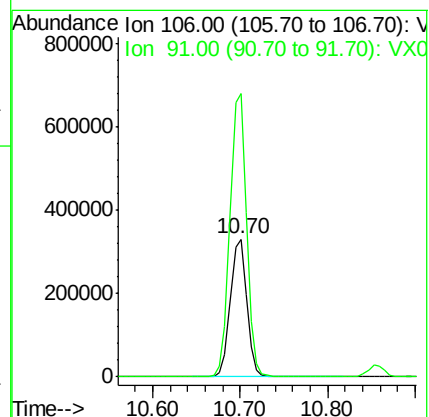
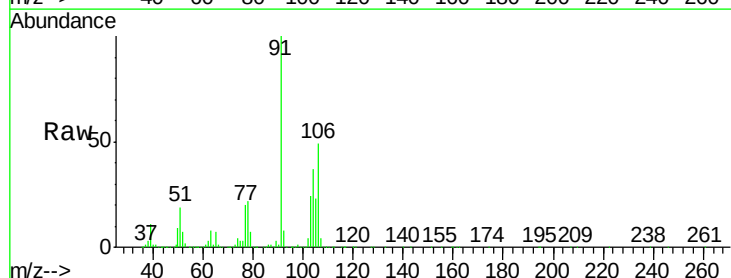
Acq: 22 Jan 2019 19:54

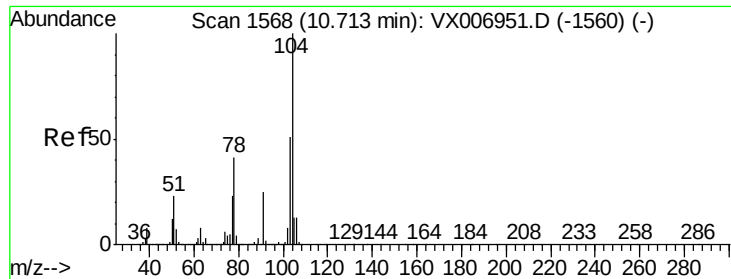
Tgt Ion:106 Resp: 431853

Ion Ratio Lower Upper

106 100

91 205.7 101.3 303.7





#70

Stvrene

Concen: 52.156 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

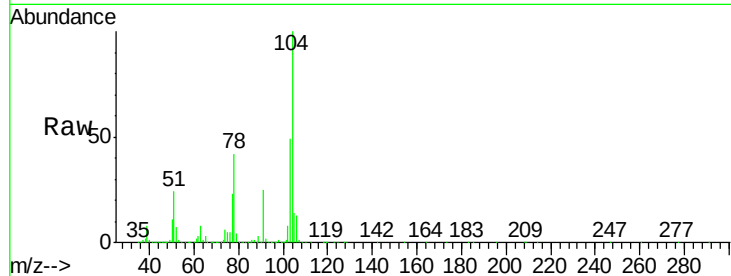
Tot Ion:104 Resp: 702743

Ion Ratio Lower Upper

104 100

78 47.7 37.7 56.5

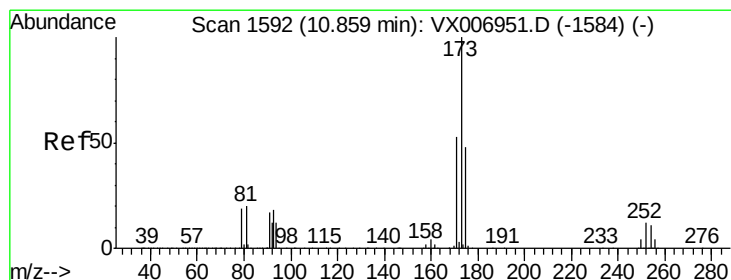
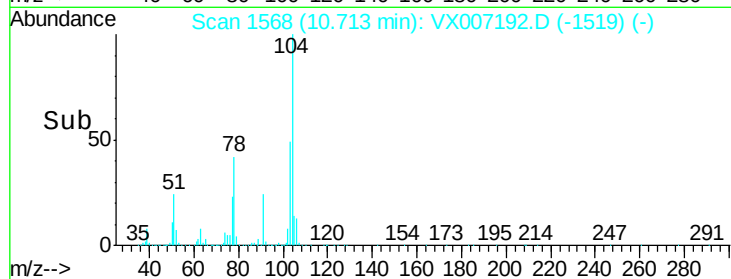
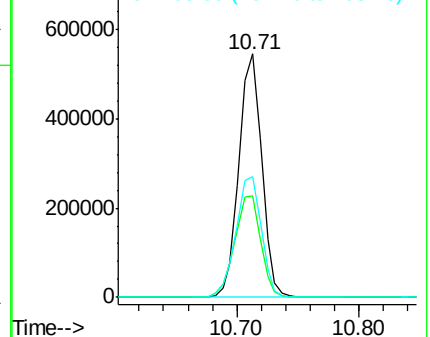
103 55.6 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 47.325 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

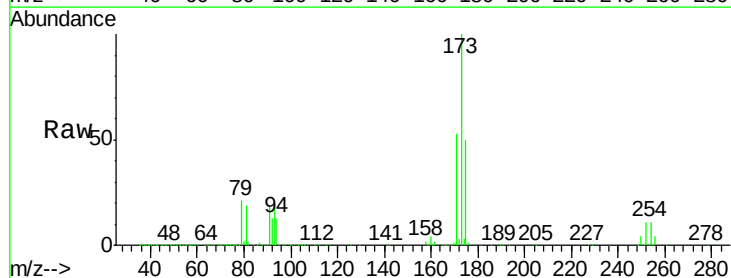
Tgt Ion:173 Resp: 189897

Ion Ratio Lower Upper

173 100

175 49.8 24.7 74.1

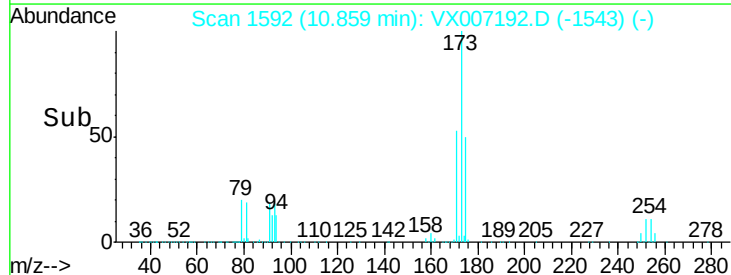
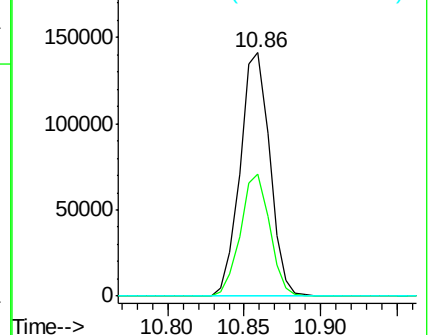
254 0.2 0.2 0.2

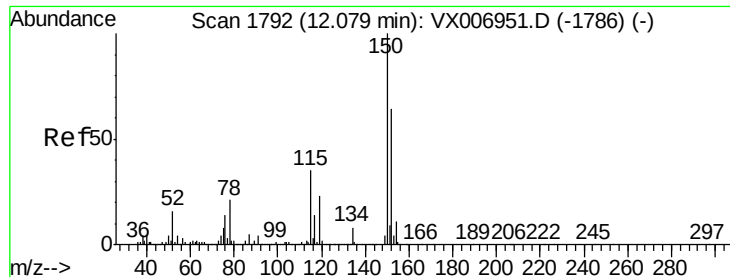


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



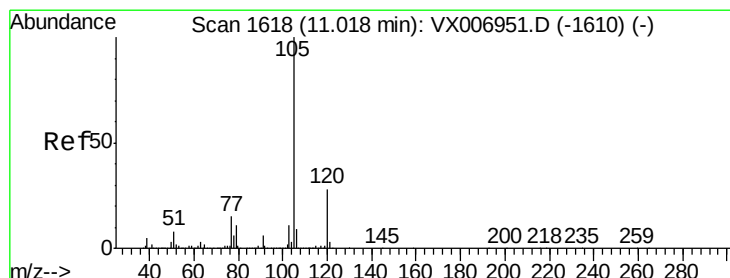
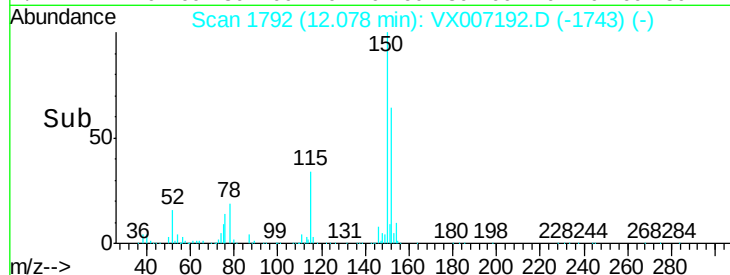
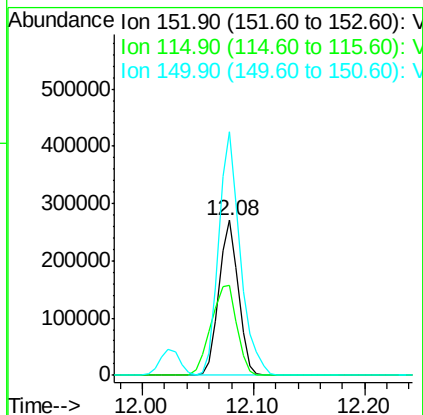
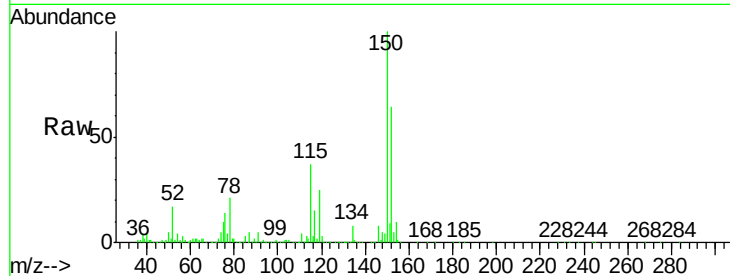


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MSD

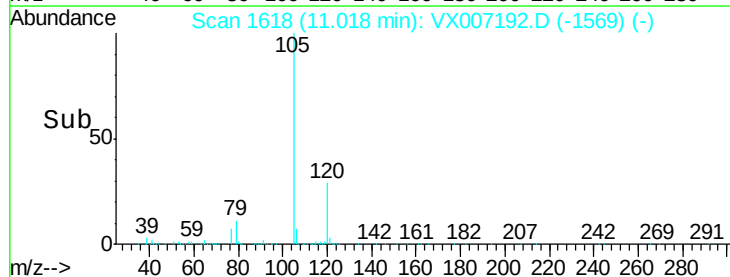
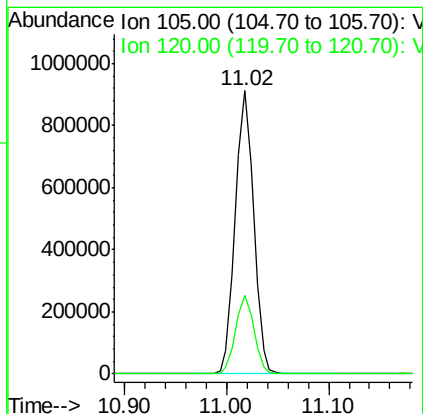
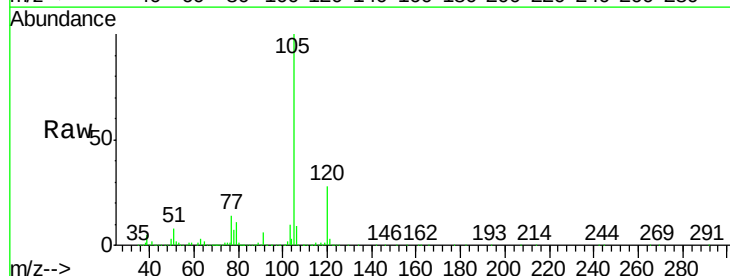
Tot Ion	Ratio	Lower	Upper
152	100		
115	77.5	39.1	117.2
150	173.1	0.0	344.8

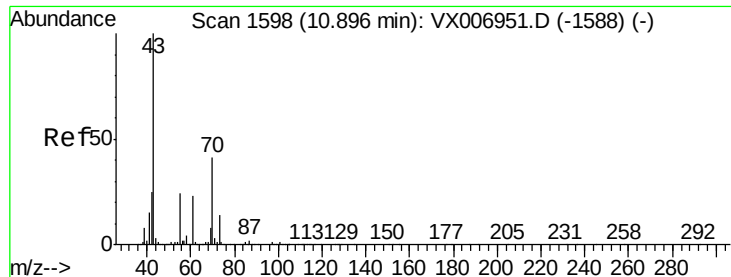


#73

Isopropylbenzene
Concen: 48.966 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007192.D
Acq: 22 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	14.1	42.4





#74

N-amvl acetate

Concen: 47.621 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion: 43 Resp: 442268

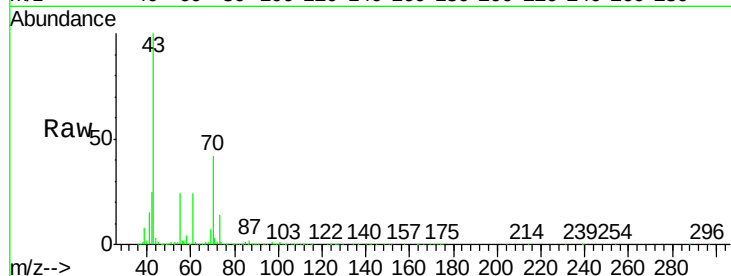
Ion Ratio Lower Upper

43 100

70 43.2 35.8 53.8

55 24.3 19.4 29.0

61 24.1 20.1 30.1

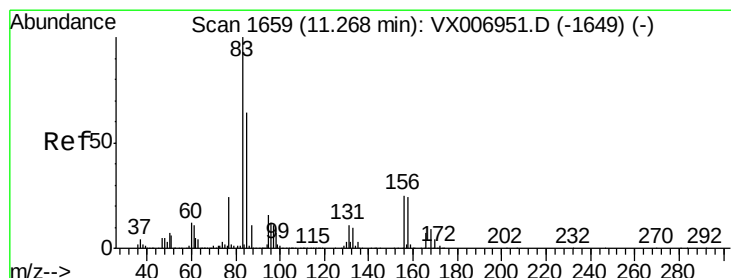
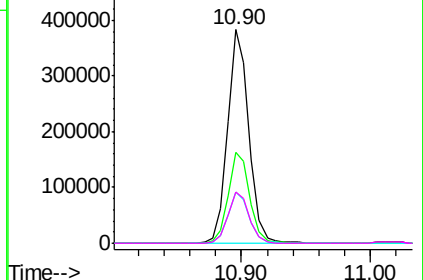
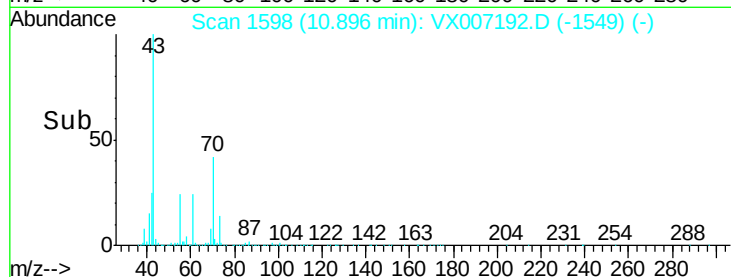


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 50.051 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

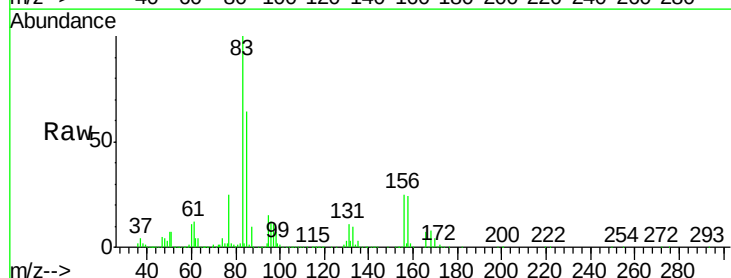
Tgt Ion: 83 Resp: 366527

Ion Ratio Lower Upper

83 100

131 10.8 5.7 17.1

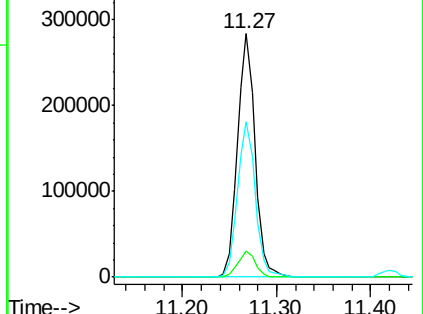
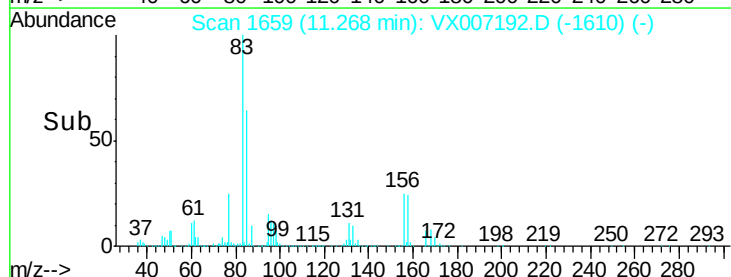
85 65.1 32.2 96.6

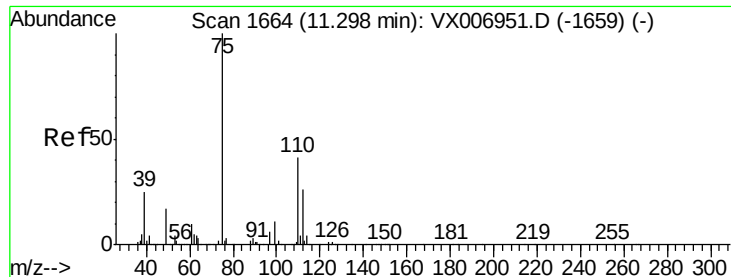


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 61.816 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

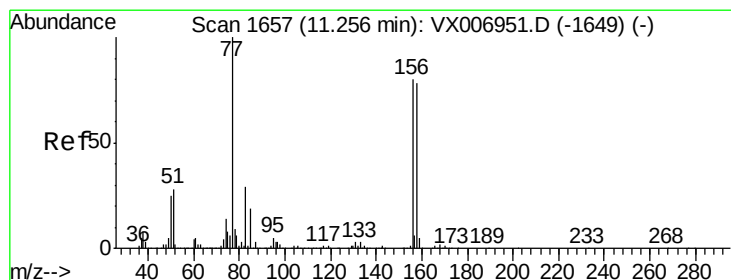
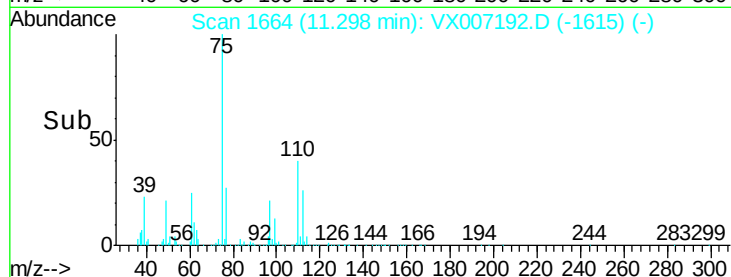
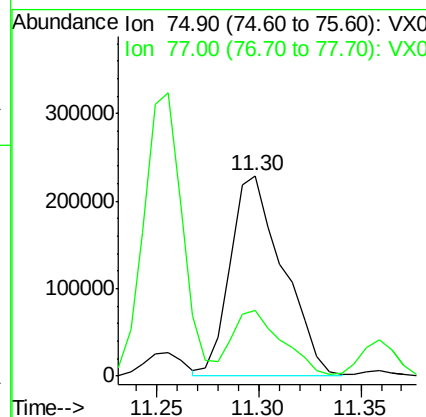
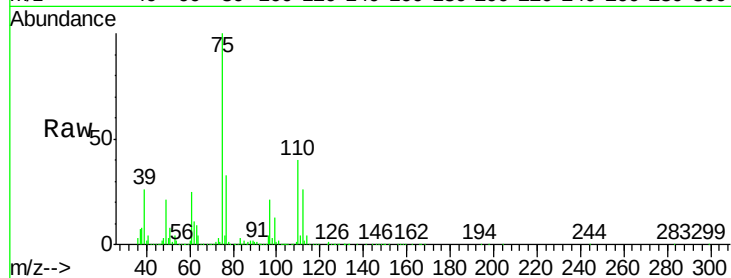
SA-TW524-2327MSD

Tot Ion: 75 Resp: 409787

Ion Ratio Lower Upper

75 100

77 30.8 18.5 55.5



#77

Bromobenzene

Concen: 49.322 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

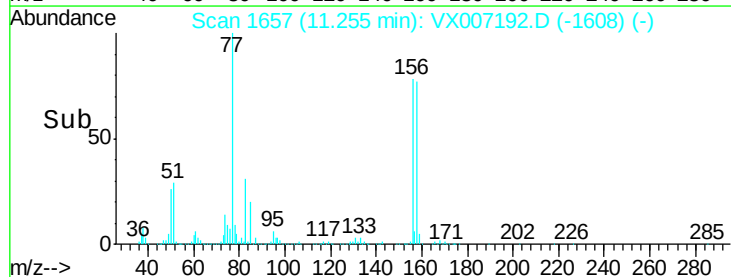
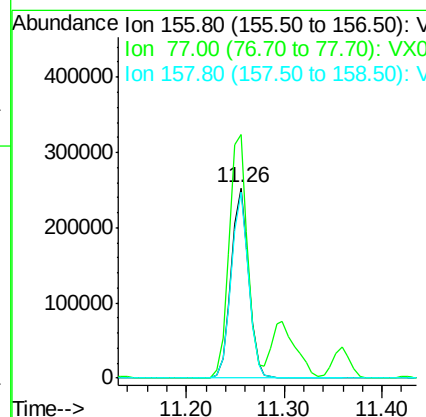
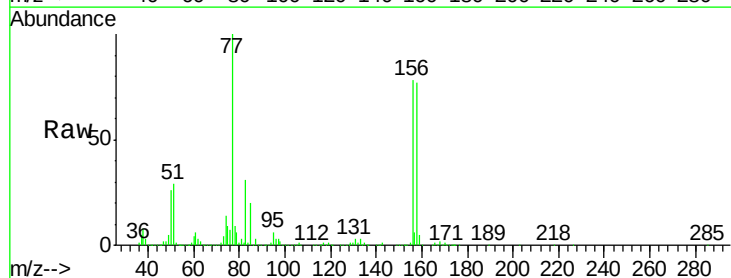
Tgt Ion: 156 Resp: 313484

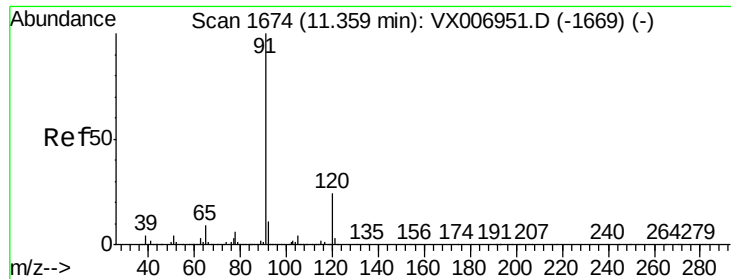
Ion Ratio Lower Upper

156 100

77 135.6 68.0 204.0

158 97.1 48.3 144.8





#78

n-propylbenzene

Concen: 49.777 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

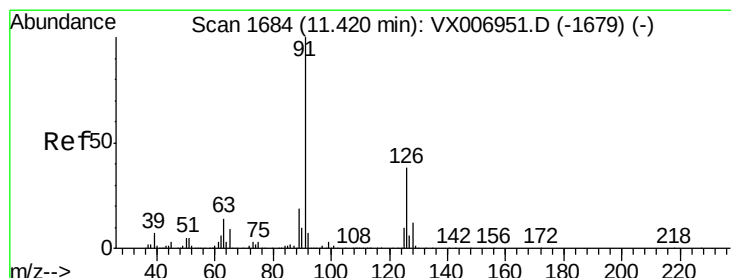
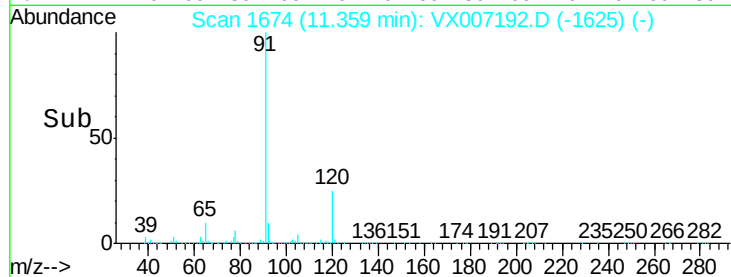
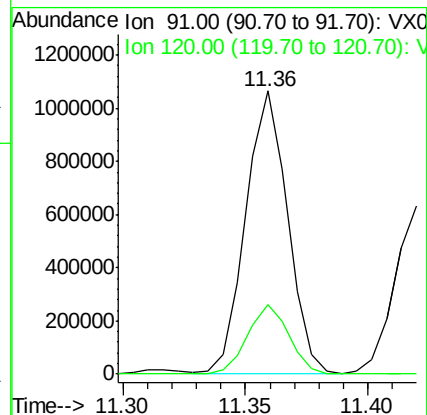
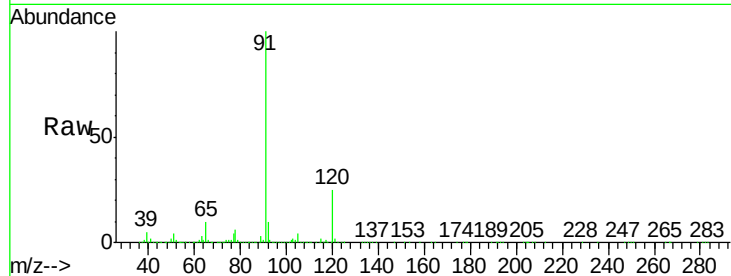
SA-TW524-2327MSD

Tot Ion: 91 Resp: 1260499

Ion Ratio Lower Upper

91 100

120 24.7 12.7 38.0



#79

2-Chlorotoluene

Concen: 49.631 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007192.D

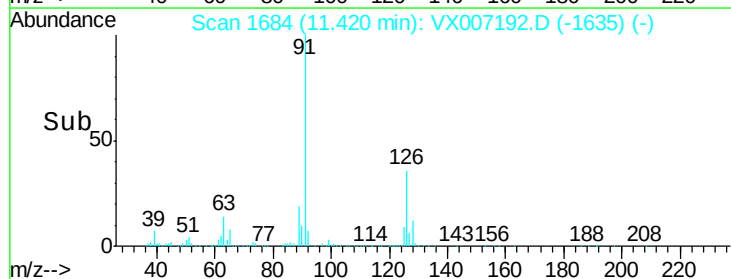
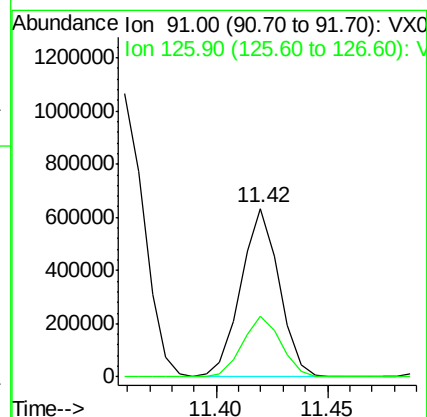
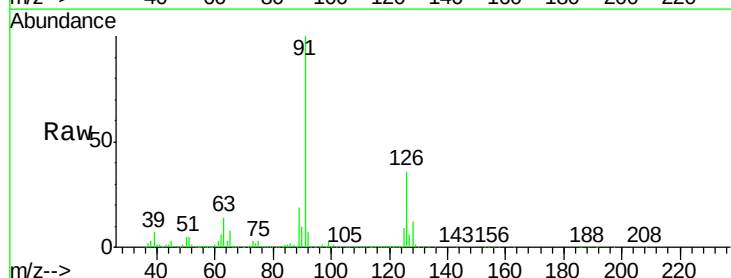
Acq: 22 Jan 2019 19:54

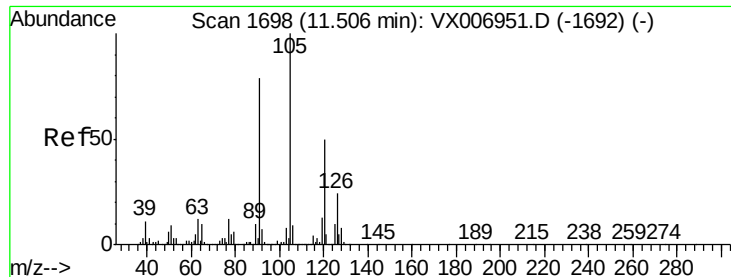
Tgt Ion: 91 Resp: 756544

Ion Ratio Lower Upper

91 100

126 36.6 18.6 56.0





#80

1,3,5-Trimethylbenzene

Concen: 48.591 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

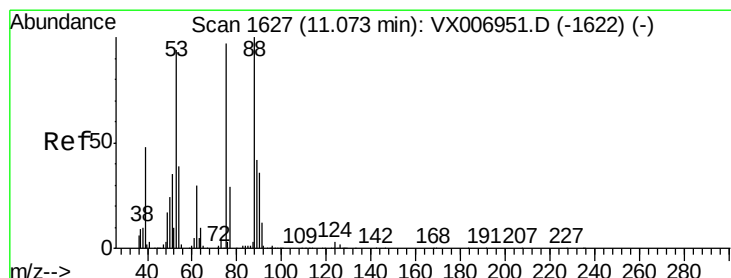
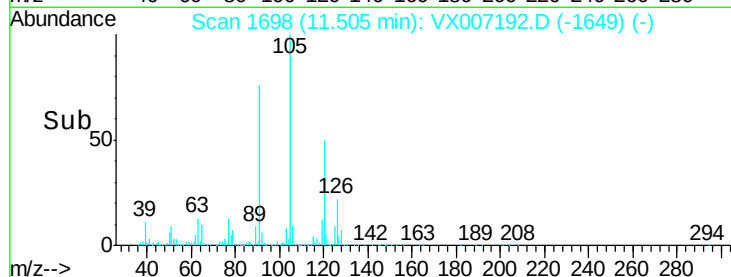
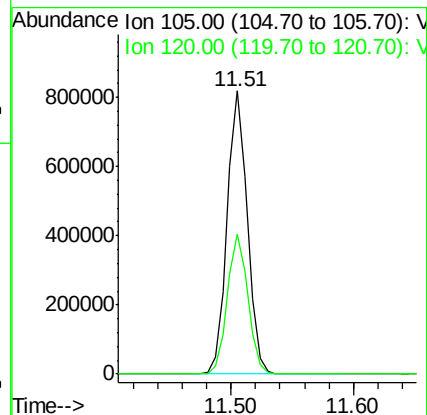
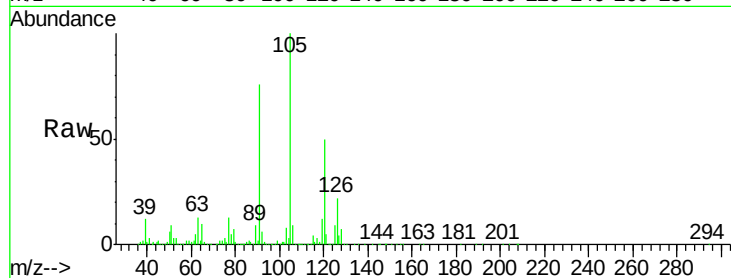
SA-TW524-2327MSD

Tot Ion:105 Resp: 936567

Ion Ratio Lower Upper

105 100

120 50.3 25.1 75.3



#81

trans-1,4-Dichloro-2-butene

Concen: 45.581 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

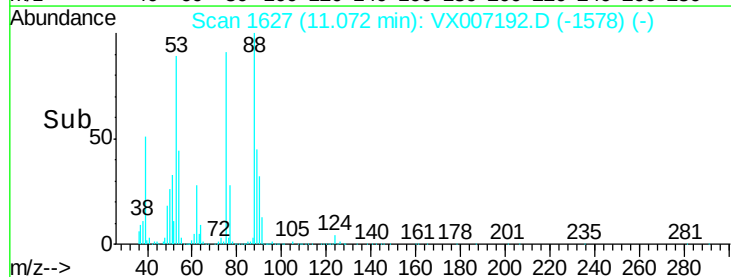
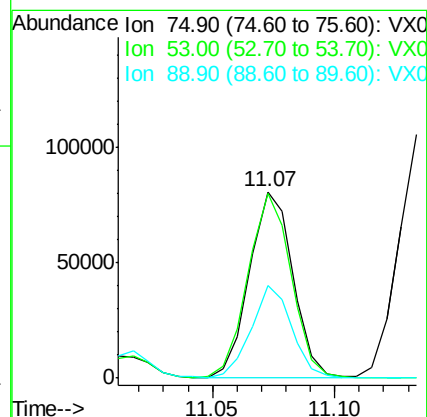
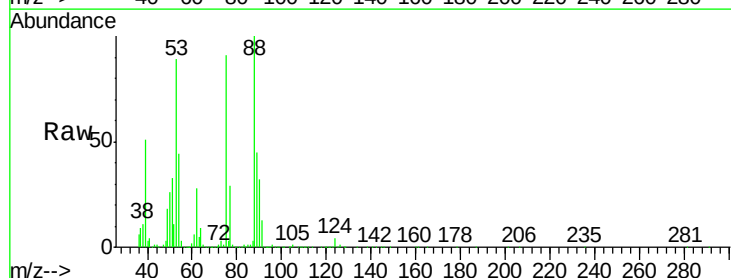
Tgt Ion: 75 Resp: 99331

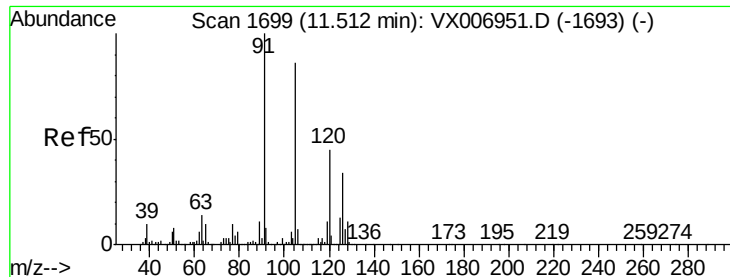
Ion Ratio Lower Upper

75 100

53 98.7 79.7 119.5

89 47.0 38.0 57.0





#82

4-Chlorotoluene

Concen: 49.591 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

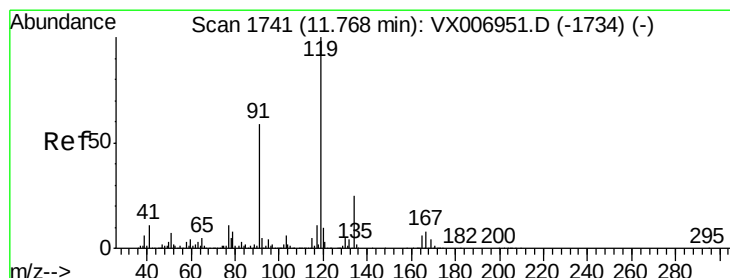
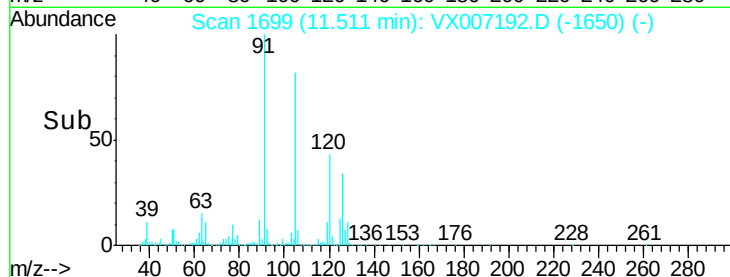
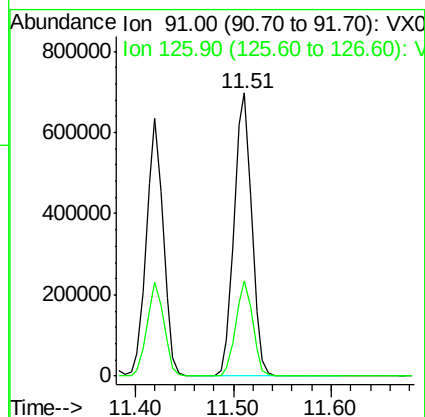
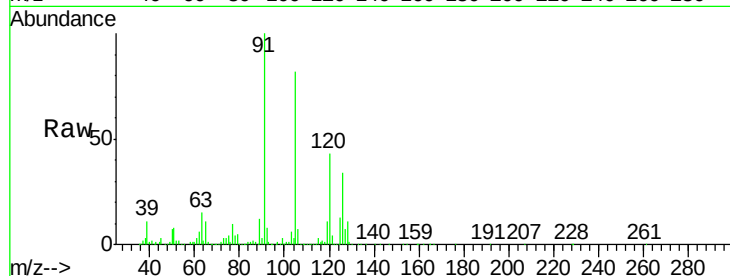
SA-TW524-2327MSD

Tot Ion: 91 Resp: 875248

Ion Ratio Lower Upper

91 100

126 32.5 16.3 48.9



#83

tert-Butylbenzene

Concen: 49.773 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

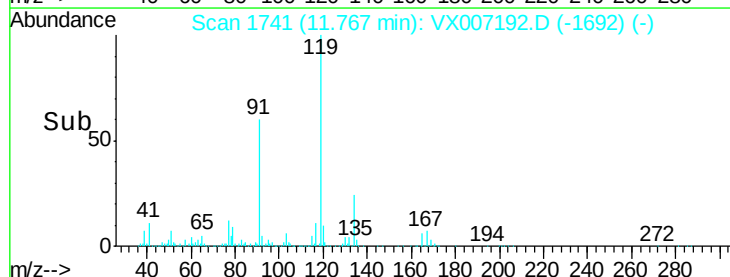
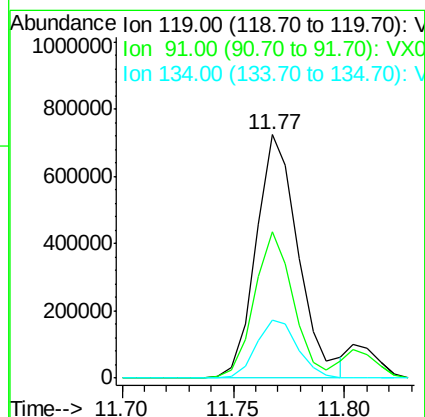
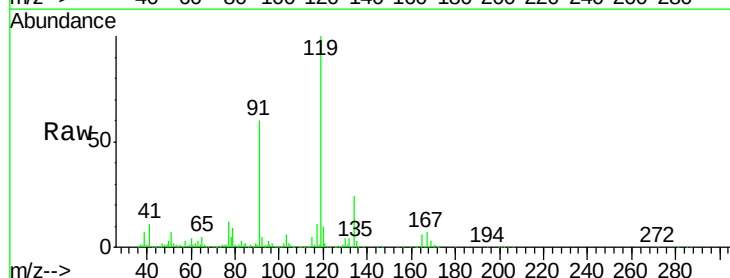
Tgt Ion: 119 Resp: 957166

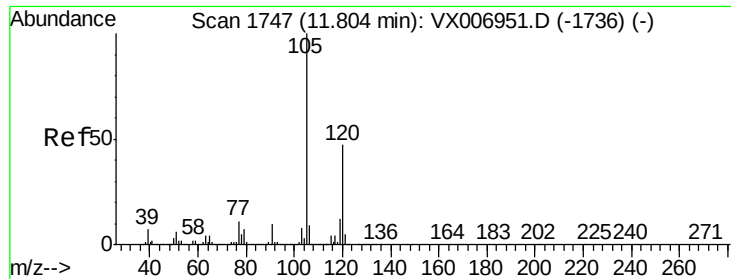
Ion Ratio Lower Upper

119 100

91 55.3 27.7 83.1

134 23.4 11.9 35.5

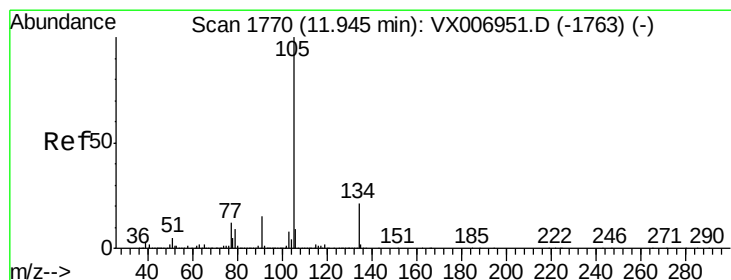
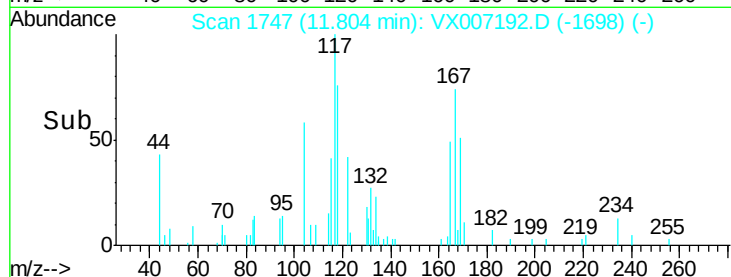
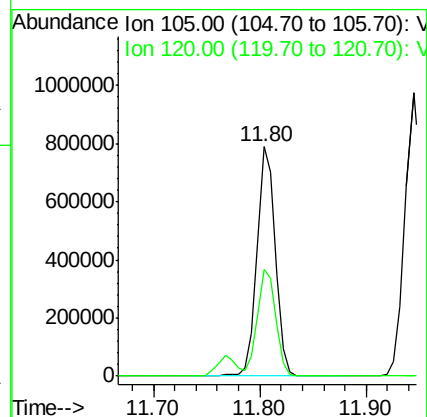
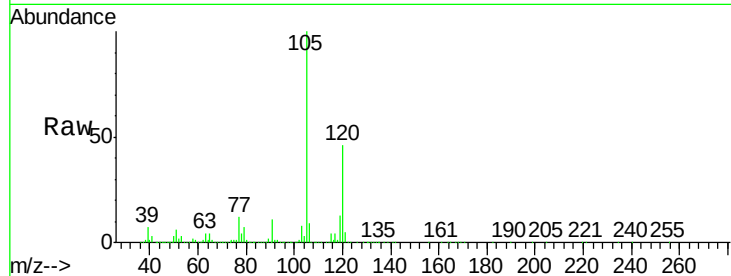




#84
 1,2,4-Trimethylbenzene
 Concen: 49.404 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

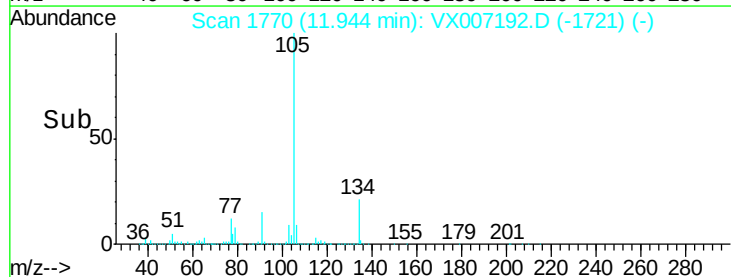
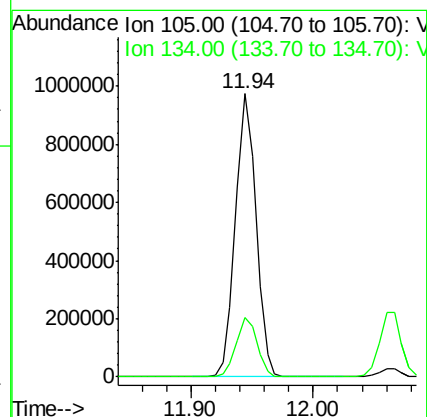
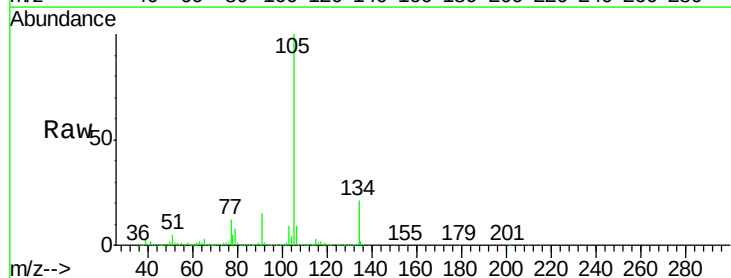
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

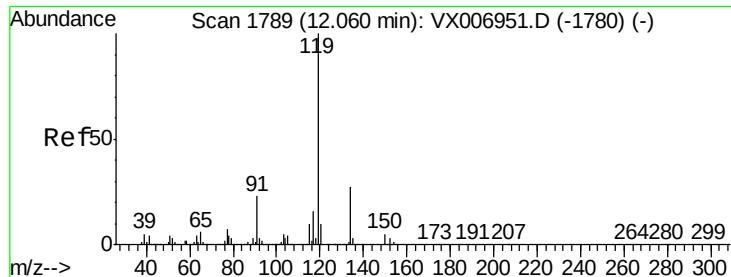
Tot Ion:105 Resp: 957548
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.2 69.6



#85
 sec-Butylbenzene
 Concen: 49.142 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Tgt Ion:105 Resp: 1128629
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.7 31.9

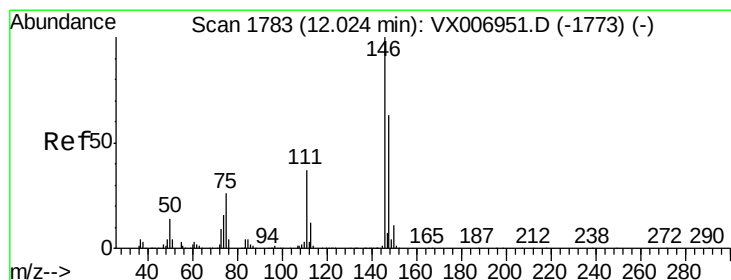
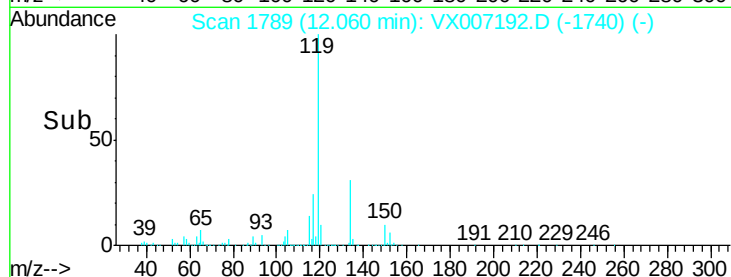
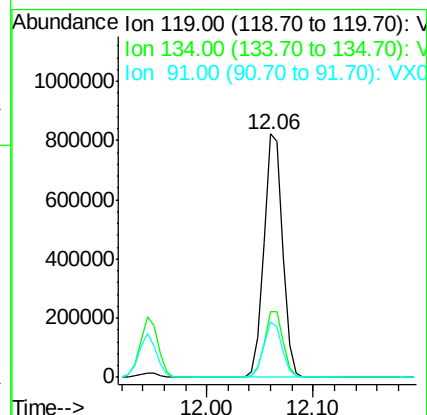
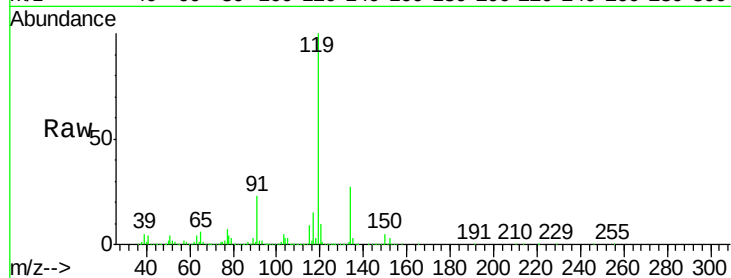




#86
 p-Isopropyltoluene
 Concen: 49.338 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

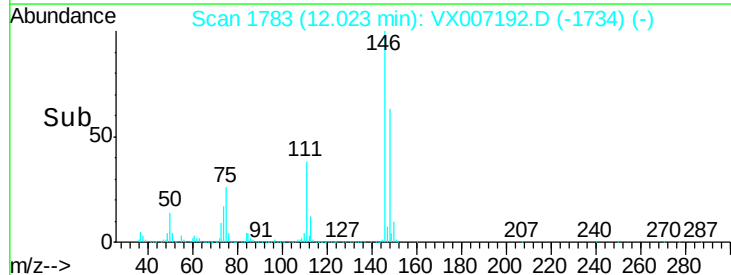
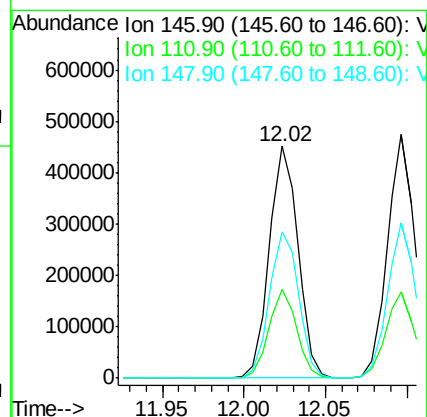
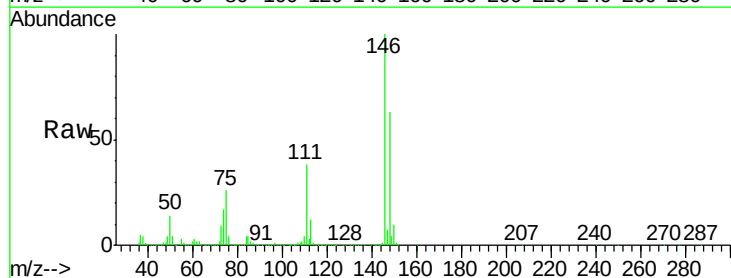
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

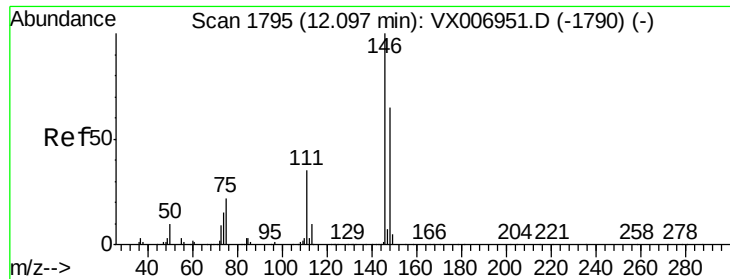
Tot Ion:119 Resp: 1013555
 Ion Ratio Lower Upper
 119 100
 134 27.4 14.0 41.9
 91 22.5 11.3 33.9



#87
 1,3-Dichlorobenzene
 Concen: 48.066 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Tgt Ion:146 Resp: 552192
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.8
 148 64.5 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 51.510 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

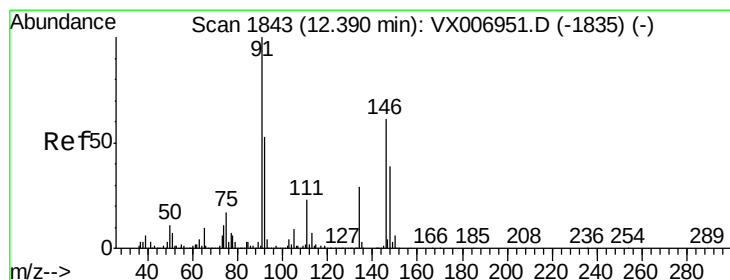
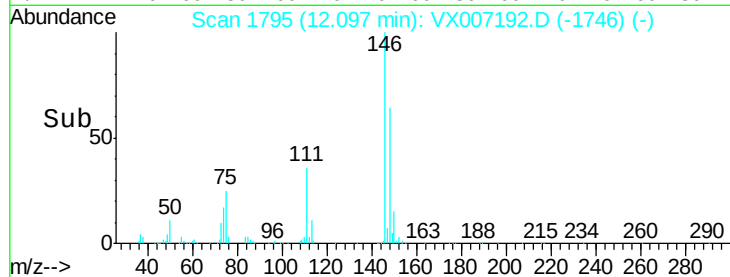
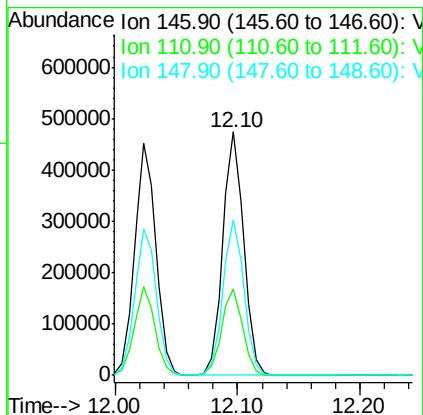
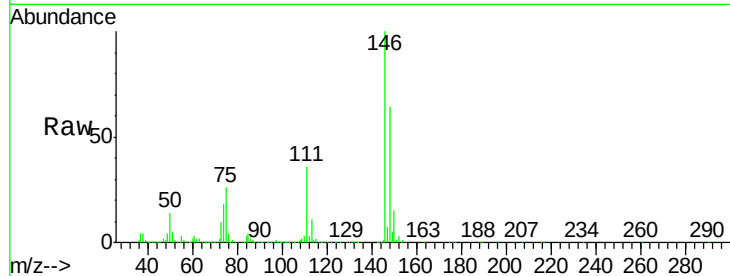
Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

Tot Ion:	146	Resp:	560725
Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	64.2	31.9	95.9



#89

n-Butylbenzene

Concen: 48.480 ug/l

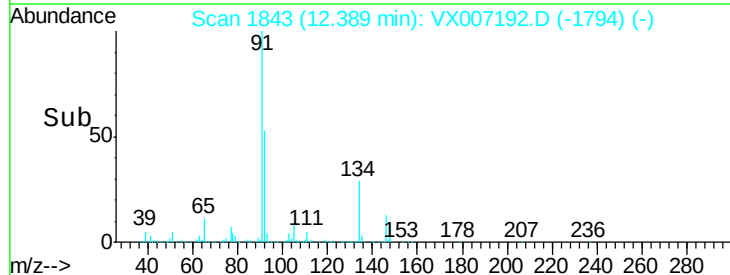
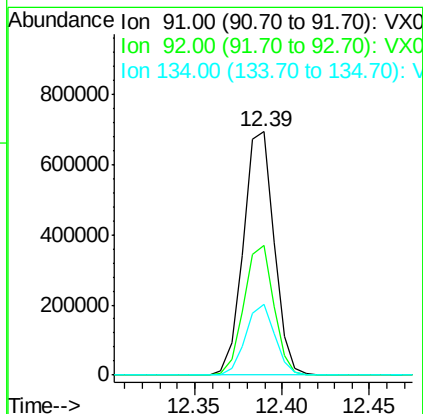
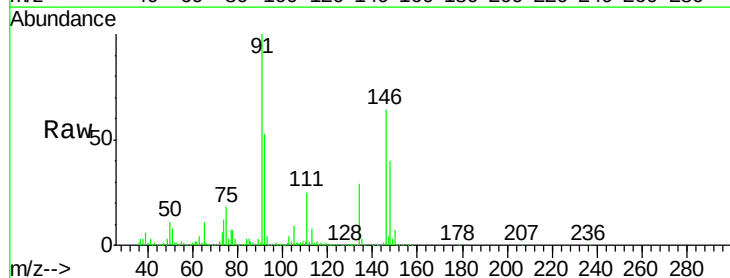
RT: 12.39 min Scan# 1843

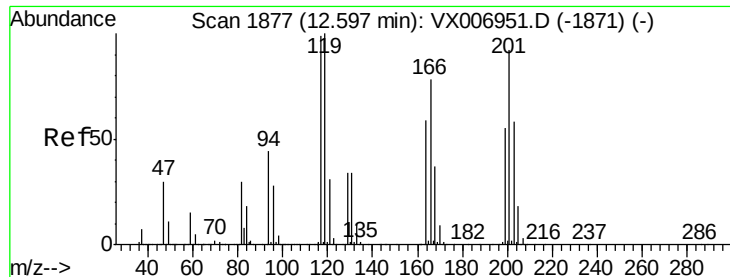
Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Tgt Ion:	91	Resp:	848981
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.8	80.4
134	28.0	14.4	43.2





#90

Hexachloroethane

Concen: 48.435 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

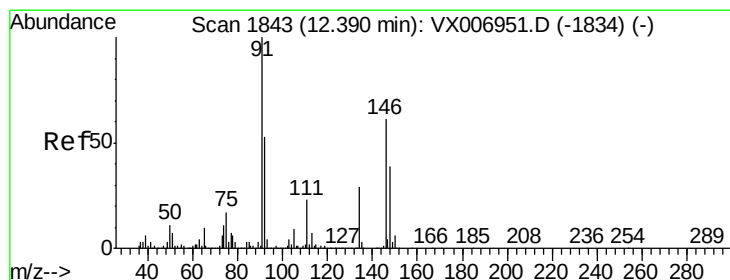
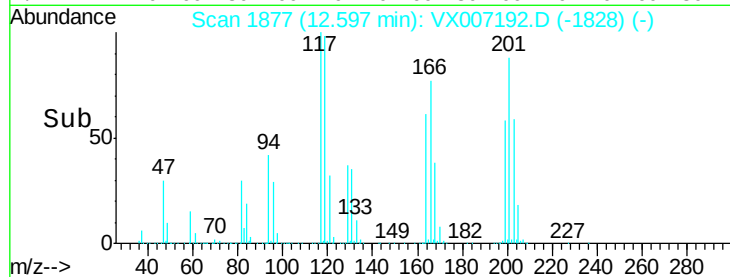
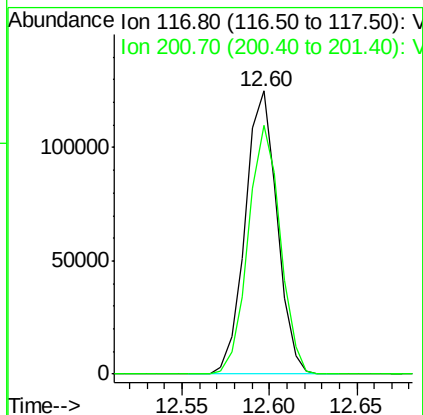
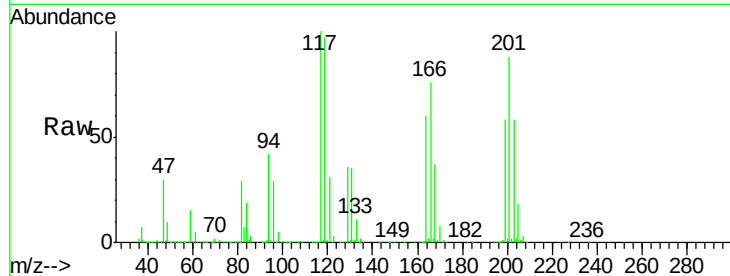
SA-TW524-2327MSD

Tot Ion:117 Resp: 158528

Ion Ratio Lower Upper

117 100

201 88.1 42.9 128.7



#91

1,2-Dichlorobenzene

Concen: 49.044 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

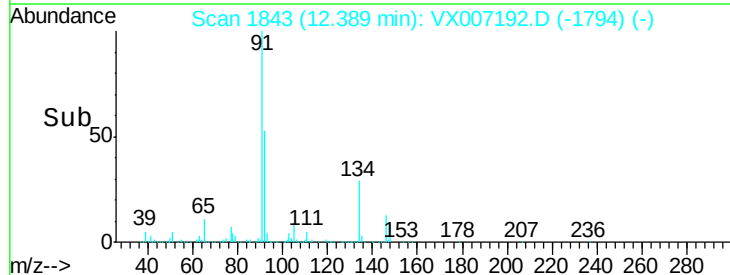
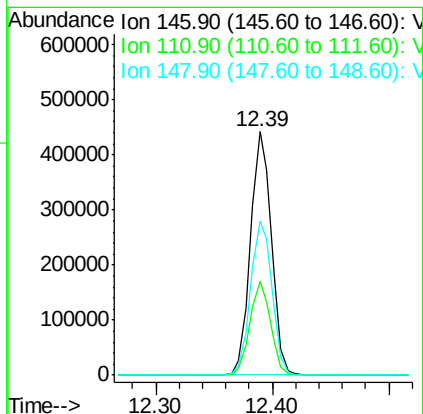
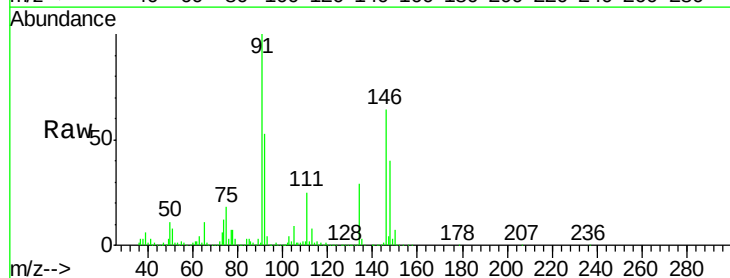
Tgt Ion:146 Resp: 556020

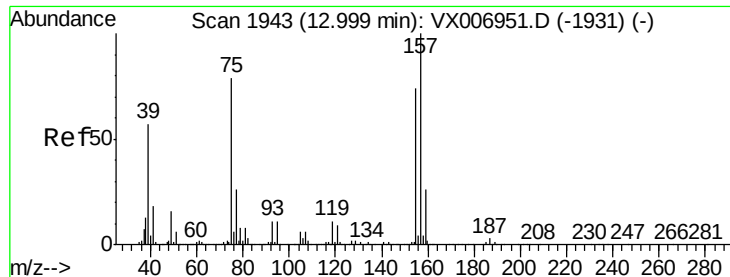
Ion Ratio Lower Upper

146 100

111 38.1 19.4 58.2

148 64.7 32.3 96.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.747 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

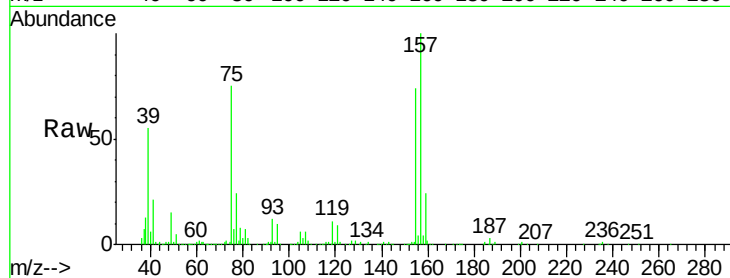
Tot Ion: 75 Resp: 77843

Ion Ratio Lower Upper

75 100

155 99.5 50.6 151.8

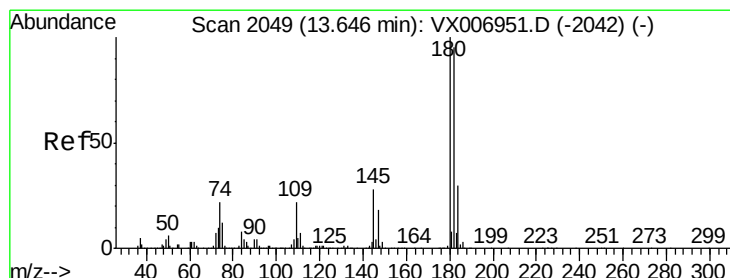
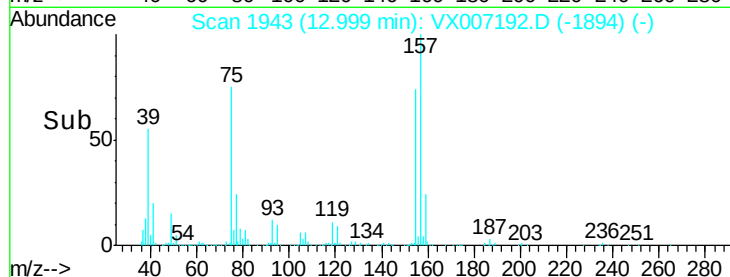
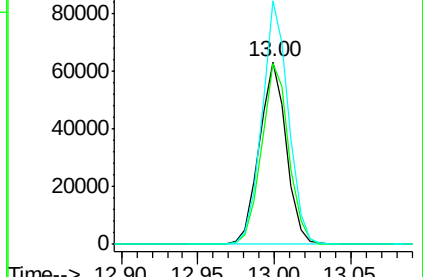
157 130.2 64.6 193.8



Abundance Ion 74.90 (74.60 to 75.60): VX006951.D (-1931) (-)

Ion 154.80 (154.50 to 155.50): VX006951.D (-1931) (-)

Ion 156.80 (156.50 to 157.50): VX006951.D (-1931) (-)



#93

1,2,4-Trichlorobenzene

Concen: 48.369 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

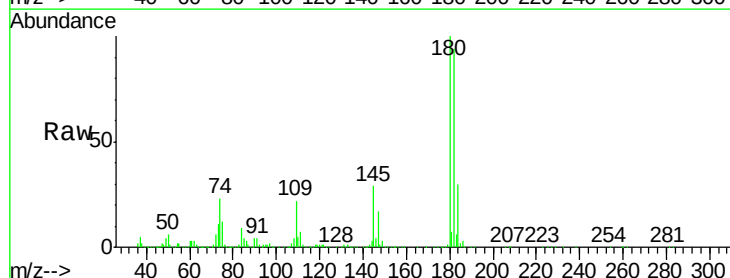
Tgt Ion: 180 Resp: 376220

Ion Ratio Lower Upper

180 100

182 94.9 47.3 142.0

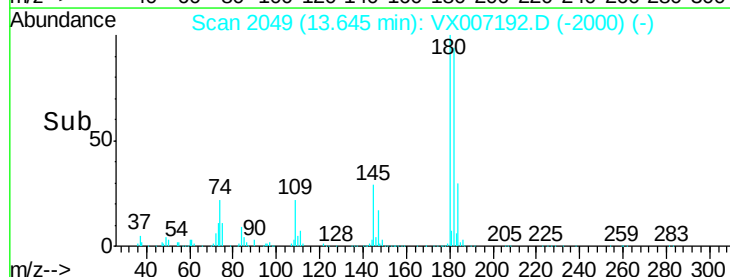
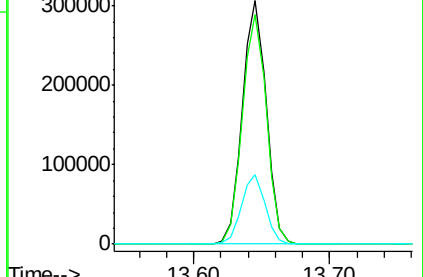
145 28.2 14.8 44.3

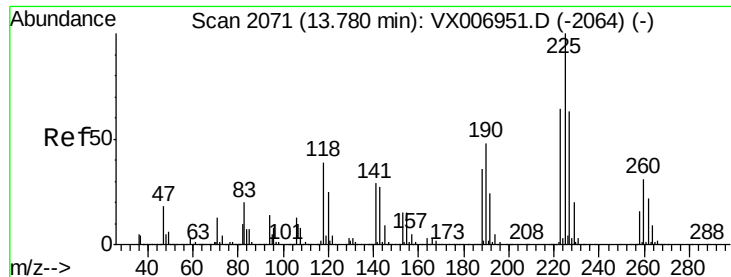


Abundance Ion 179.80 (179.50 to 180.50): VX006951.D (-2042) (-)

Ion 181.80 (181.50 to 182.50): VX006951.D (-2042) (-)

Ion 144.80 (144.50 to 145.50): VX006951.D (-2042) (-)





#94

Hexachlorobutadiene

Concen: 48.933 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MSD

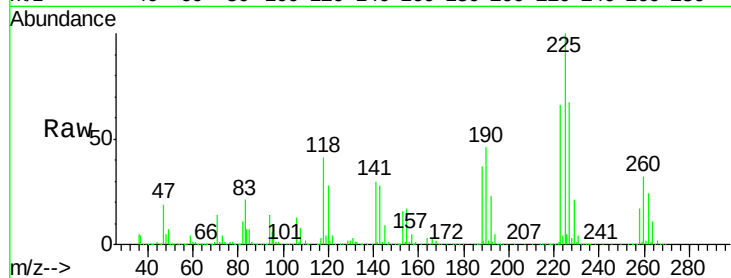
Tot Ion:225 Resp: 168899

Ion Ratio Lower Upper

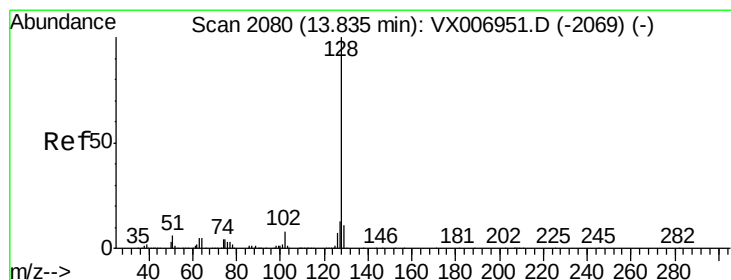
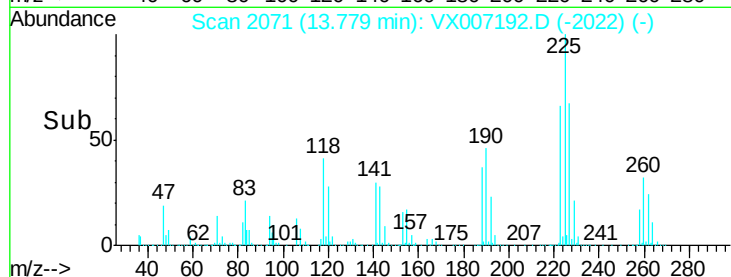
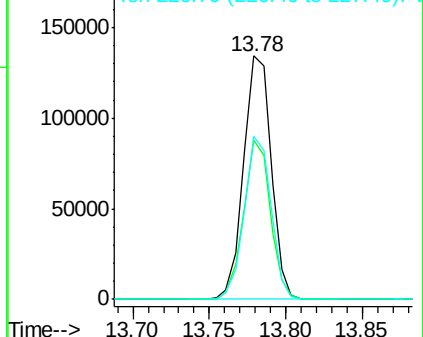
225 100

223 63.4 32.1 96.3

227 64.8 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 50.863 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007192.D

Acq: 22 Jan 2019 19:54

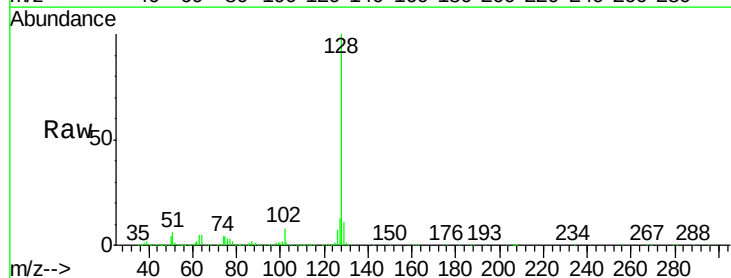
Tgt Ion:128 Resp: 1198799

Ion Ratio Lower Upper

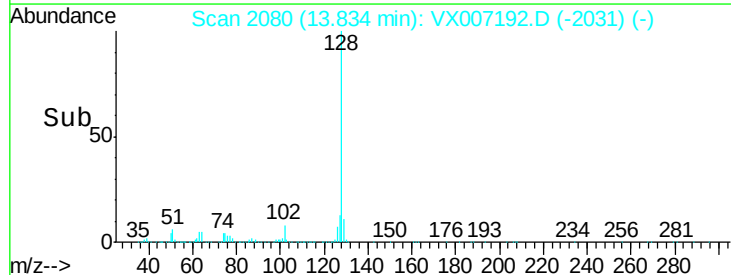
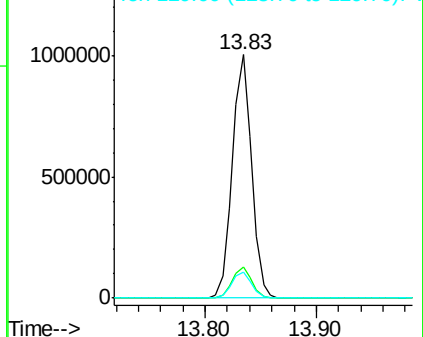
128 100

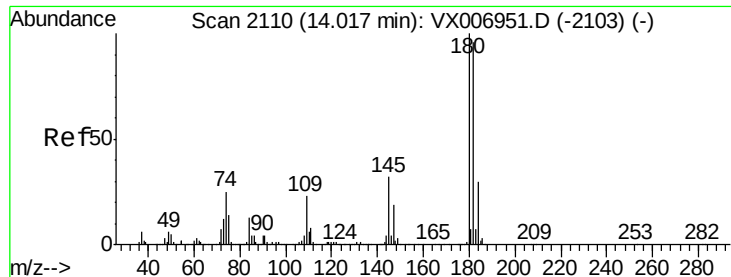
127 12.8 10.1 15.1

129 11.0 8.6 13.0



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

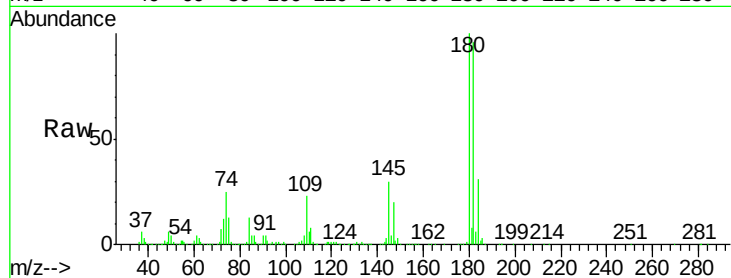




#96
 1,2,3-Trichlorobenzene
 Concen: 49.444 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX007192.D
 Acq: 22 Jan 2019 19:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.5	145.5
145	30.0	16.0	47.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

