

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010473.D
 Acq On : 26 Jun 2019 19:16
 Operator : JC/SP
 Sample : K3527-20MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

Quant Time: Jun 27 01:15:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	253419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	379482	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	352168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179486	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	125463	52.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.60%	
35) Dibromofluoromethane	5.50	113	123429	53.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.32%	
50) Toluene-d8	8.71	98	464215	52.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	11.13	95	166703	51.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	81437	46.223	ug/l	100
3) Chloromethane	1.32	50	95294	46.449	ug/l	100
4) Vinyl Chloride	1.41	62	103196	45.925	ug/l	100
5) Bromomethane	1.64	94	55889	51.053	ug/l	99
6) Chloroethane	1.71	64	68718	51.834	ug/l	96
7) Trichlorofluoromethane	1.92	101	179724	50.454	ug/l	98
8) Diethyl Ether	2.19	74	63637	49.816	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	104035	48.194	ug/l	99
10) Methyl Iodide	2.51	142	154748	50.231	ug/l	97
11) Tert butyl alcohol	3.06	59	160078	257.469	ug/l	99
12) 1,1-Dichloroethene	2.37	96	105276	47.927	ug/l	98
13) Acrolein	2.29	56	83948	203.538	ug/l	99
14) Allyl chloride	2.73	41	153435	49.201	ug/l	100
15) Acrylonitrile	3.14	53	319444	259.506	ug/l	99
16) Acetone	2.45	43	249926	209.880	ug/l	98
17) Carbon Disulfide	2.57	76	255112	43.290	ug/l	100
18) Methyl Acetate	2.78	43	114421	48.211	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	347829	50.335	ug/l	98
20) Methylene Chloride	2.85	84	121348	49.517	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	112187	47.488	ug/l	98
22) Diisopropyl ether	3.85	45	329298	50.505	ug/l	97
23) Vinyl Acetate	3.82	43	1346513	239.054	ug/l	100
24) 1,1-Dichloroethane	3.70	63	187276	49.690	ug/l	99
25) 2-Butanone	4.67	43	431284	246.905	ug/l	99
26) 2,2-Dichloropropane	4.59	77	141718	43.286	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	136206	49.892	ug/l	98
28) Bromochloromethane	5.02	49	91024	50.514	ug/l	98
29) Tetrahydrofuran	5.13	42	278013	256.954	ug/l	100
30) Chloroform	5.21	83	204300	50.381	ug/l	99
31) Cyclohexane	5.58	56	163838	47.737	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	180498	50.410	ug/l	99
36) 1,1-Dichloropropene	5.80	75	143388	47.549	ug/l	99
37) Ethyl Acetate	4.83	43	150381	48.474	ug/l	100
38) Carbon Tetrachloride	5.78	117	159004	48.693	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	182097	45.939	ug/l	98
40) Benzene	6.14	78	463813	49.368	ug/l	99
41) Methacrylonitrile	5.04	41	86973	51.095	ug/l	99
42) 1,2-Dichloroethane	6.20	62	147761	51.668	ug/l	99
43) Isopropyl Acetate	6.45	43	251085	48.919	ug/l	99
44) Trichloroethene	7.21	130	137443	48.891	ug/l	98
45) 1,2-Dichloropropane	7.51	63	116281	49.012	ug/l	99
46) Dibromomethane	7.66	93	85447	50.198	ug/l	98
47) Bromodichloromethane	7.90	83	157115	50.366	ug/l	97
48) Methyl methacrylate	7.77	41	125483	52.597	ug/l	100
49) 1,4-Dioxane	7.74	88	68985	1003.749	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	862488	262.739	ug/l	99
52) Toluene	8.79	92	306706	49.573	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	171210	48.954	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	185872	48.905	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	130567	51.170	ug/l	98
56) Ethyl methacrylate	9.18	69	197257	51.032	ug/l	98
57) 1,3-Dichloropropane	9.37	76	200750	50.683	ug/l	100
59) 2-Hexanone	9.49	43	660324	255.584	ug/l	99
60) Dibromochloromethane	9.58	129	145476	50.920	ug/l	100
61) 1,2-Dibromoethane	9.67	107	139536	50.664	ug/l	100
64) Tetrachloroethene	9.33	164	129239	45.372	ug/l	98
65) Chlorobenzene	10.14	112	348306	48.716	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	130327	50.043	ug/l	99
67) Ethyl Benzene	10.25	91	593942	49.207	ug/l	100
68) m/p-Xylenes	10.36	106	459130	98.169	ug/l	100
69) o-Xylene	10.69	106	224434	48.797	ug/l	100
70) Styrene	10.71	104	383945	49.777	ug/l	99
71) Bromoform	10.85	173	114046	50.357	ug/l #	99
73) Isopropylbenzene	11.02	105	595454	48.940	ug/l	99
74) N-amyl acetate	10.90	43	218808	47.586	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	200900	49.859	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	224178	68.541	ug/l	80
77) Bromobenzene	11.26	156	165943	48.845	ug/l	99
78) n-propylbenzene	11.36	91	659554	49.324	ug/l	100
79) 2-Chlorotoluene	11.42	91	388339	48.770	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	487822	48.635	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	63909	45.584	ug/l	96
82) 4-Chlorotoluene	11.51	91	448164	49.462	ug/l	100
83) tert-Butylbenzene	11.77	119	502608	49.926	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	494403	49.062	ug/l	100
85) sec-Butylbenzene	11.94	105	575052	48.650	ug/l	100
86) p-Isopropyltoluene	12.06	119	531686	48.630	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	286750	48.353	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	286390	47.436	ug/l	99
89) n-Butylbenzene	12.38	91	442881	47.670	ug/l	100
90) Hexachloroethane	12.60	117	94067	49.757	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	280437	47.580	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41825	48.144	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	193466	47.333	ug/l	99

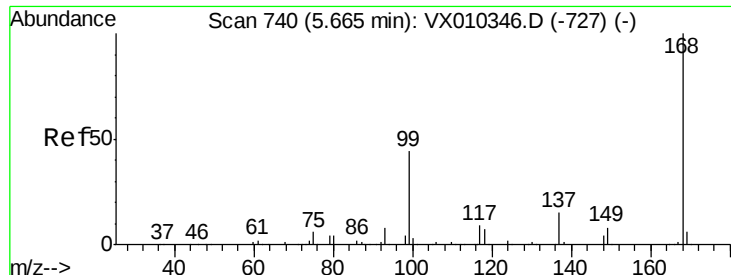
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	88996	44.550	ug/l	100
95) Naphthalene	13.83	128	619152	49.293	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	192889	47.464	ug/l	99

(#) = 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: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

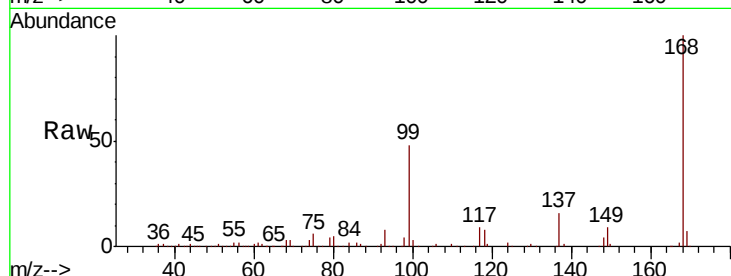
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:168 Resp: 253419

Ion Ratio Lower Upper

168 100

99 47.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

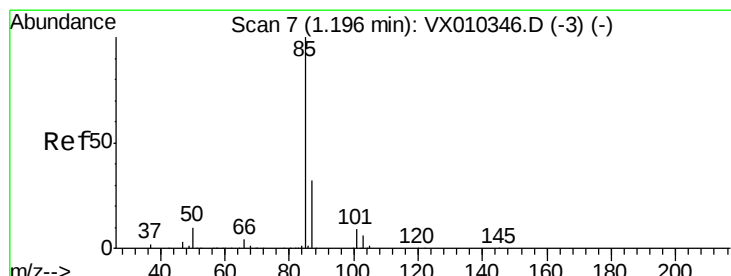
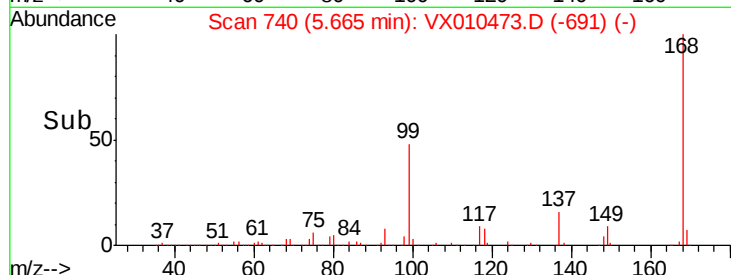
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.223 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010473.D

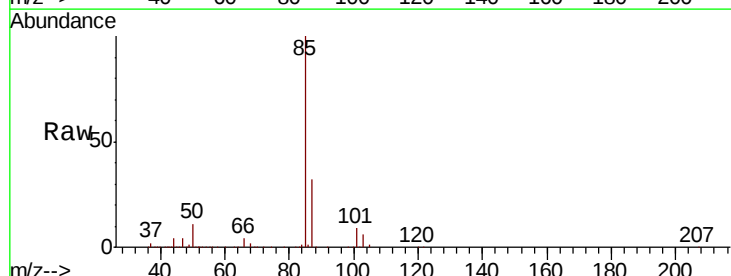
Acq: 26 Jun 2019 19:16

Tgt Ion: 85 Resp: 81437

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

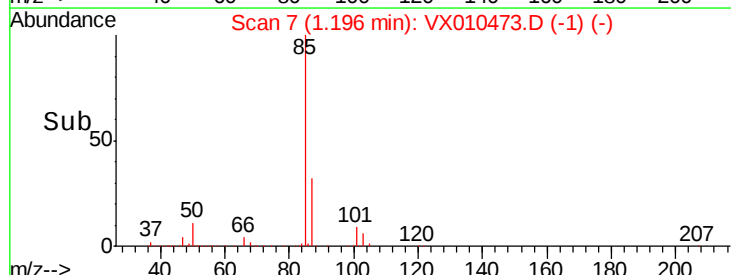
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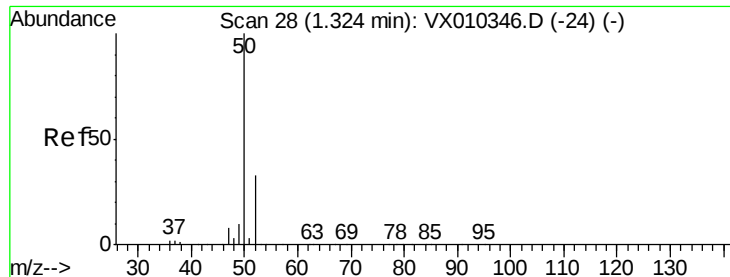
20000

0

1.15 1.20 1.25 1.30 1.35

Time-->





#3

Chloromethane

Concen: 46.449 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

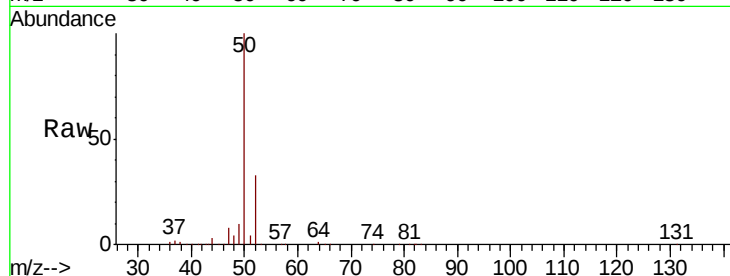
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 50 Resp: 95294

Ion Ratio Lower Upper

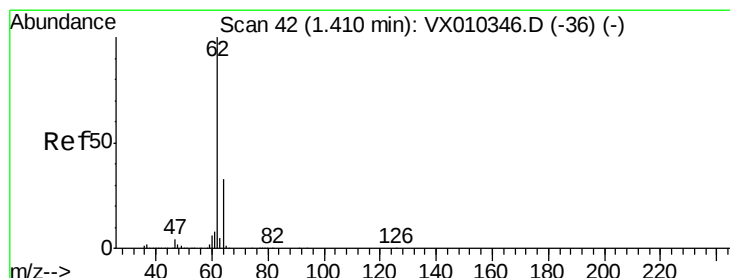
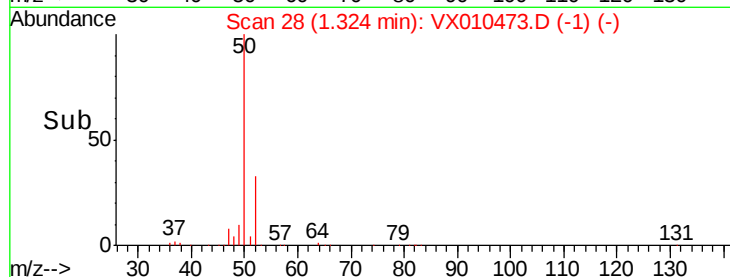
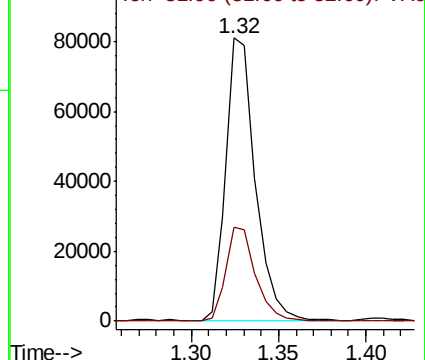
50 100

52 32.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.925 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010473.D

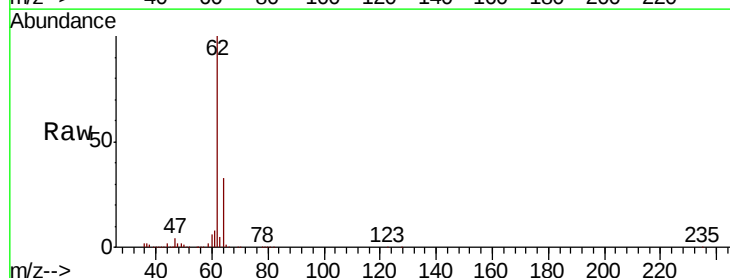
Acq: 26 Jun 2019 19:16

Tgt Ion: 62 Resp: 103196

Ion Ratio Lower Upper

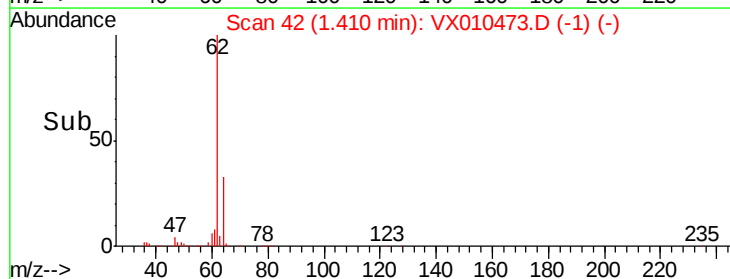
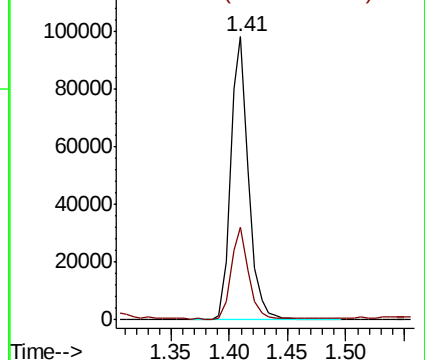
62 100

64 32.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 51.053 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

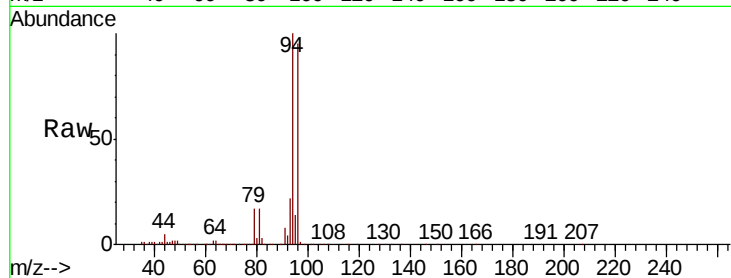
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 94 Resp: 55889

Ion Ratio Lower Upper

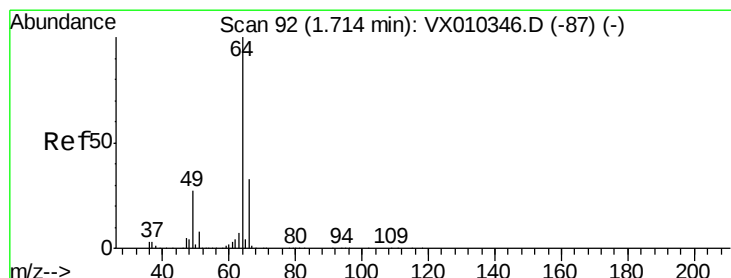
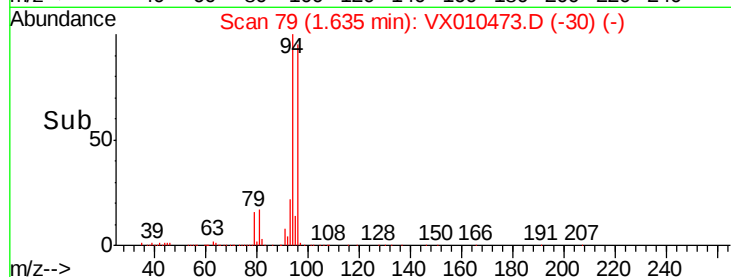
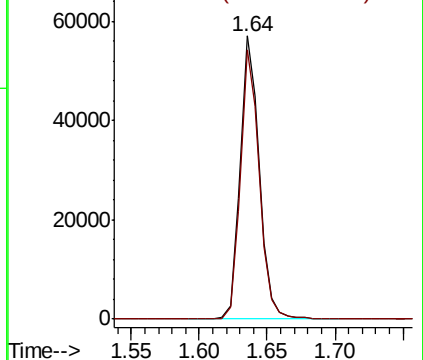
94 100

96 95.1 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.834 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX010473.D

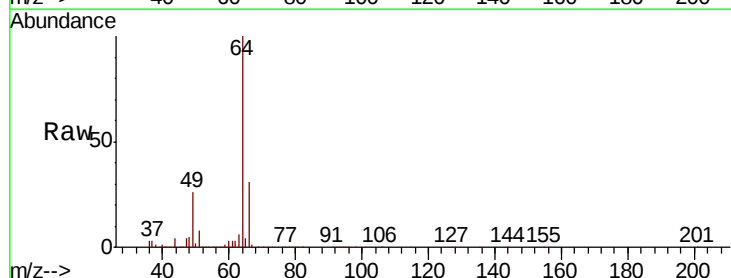
Acq: 26 Jun 2019 19:16

Tgt Ion: 64 Resp: 68718

Ion Ratio Lower Upper

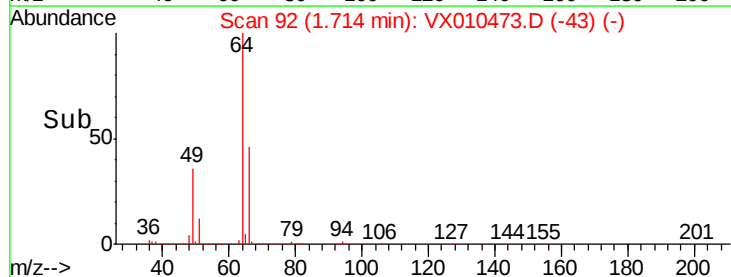
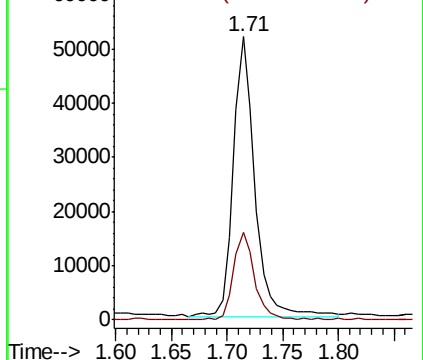
64 100

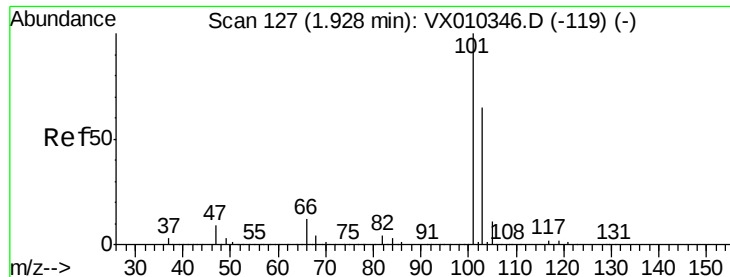
66 31.2 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



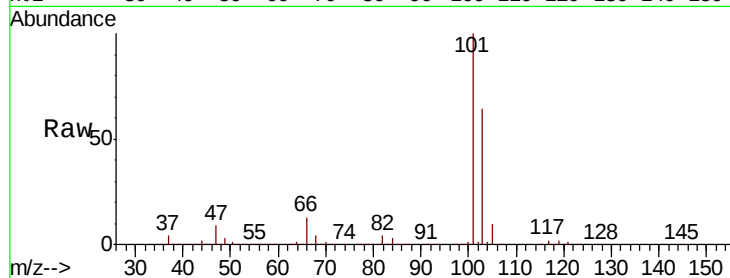


#7

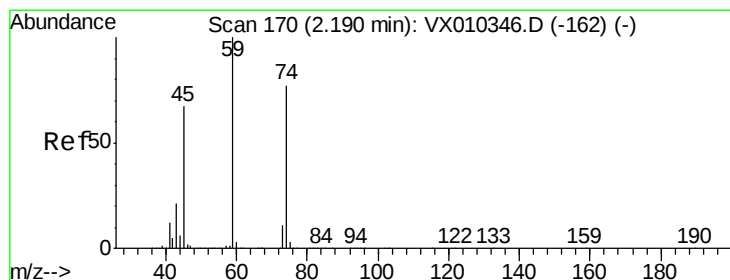
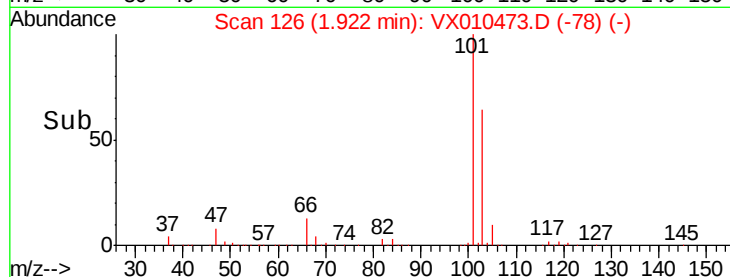
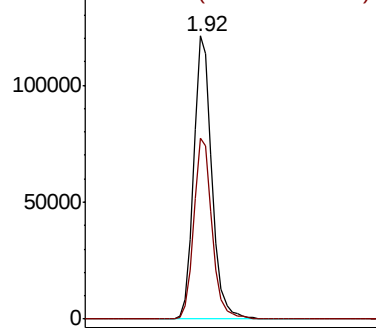
Trichlorofluoromethane
 Concen: 50.454 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

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 CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:101 Resp: 179724
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.3 78.5



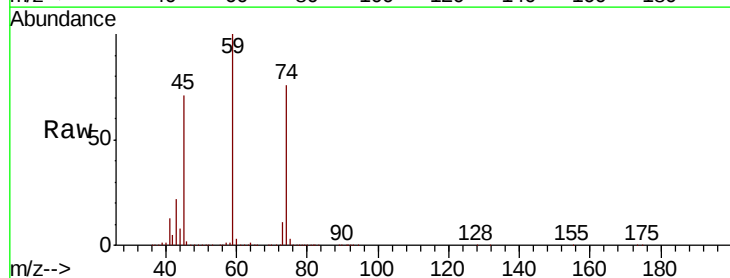
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



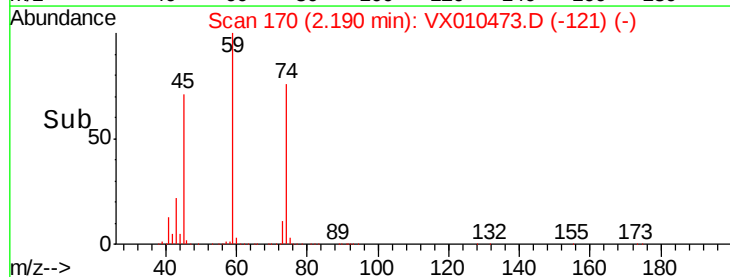
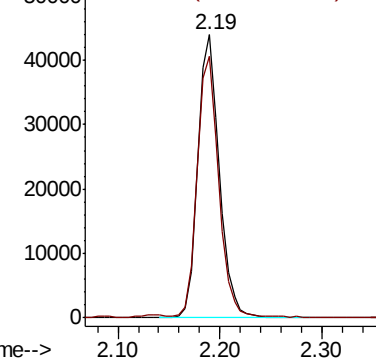
#8

Diethyl Ether
 Concen: 49.816 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

Tgt Ion: 74 Resp: 63637
 Ion Ratio Lower Upper
 74 100
 45 91.3 44.8 134.4



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.194 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

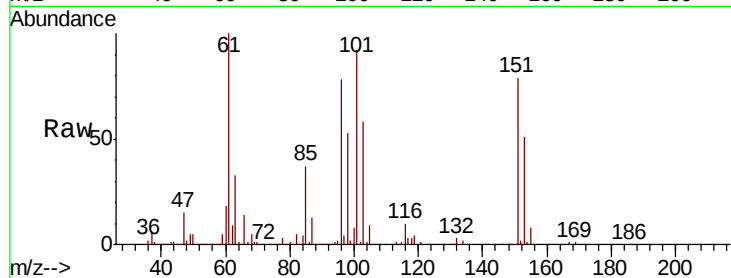
Tot Ion:101 Resp: 104035

Ion Ratio Lower Upper

101 100

85 42.1 33.7 50.5

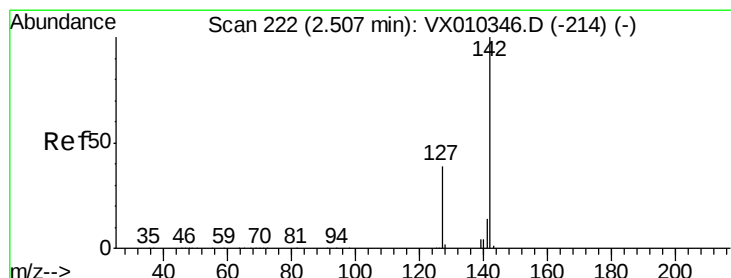
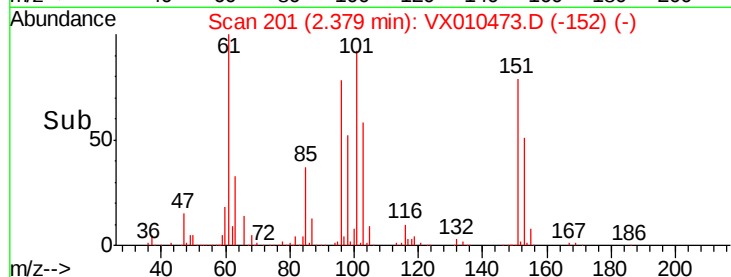
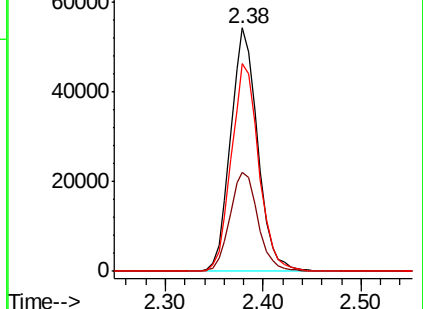
151 86.5 70.1 105.1



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: 50.231 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

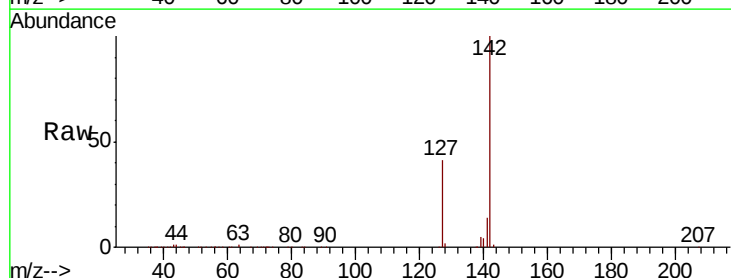
Tgt Ion:142 Resp: 154748

Ion Ratio Lower Upper

142 100

127 41.2 31.1 46.7

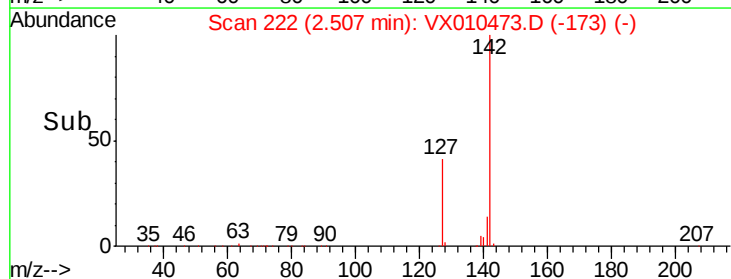
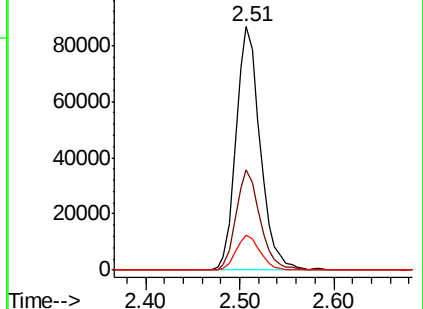
141 14.3 11.2 16.8

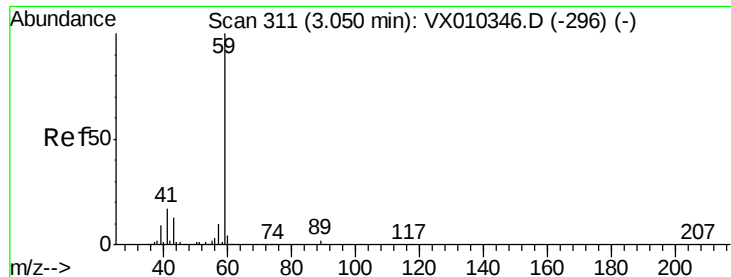


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



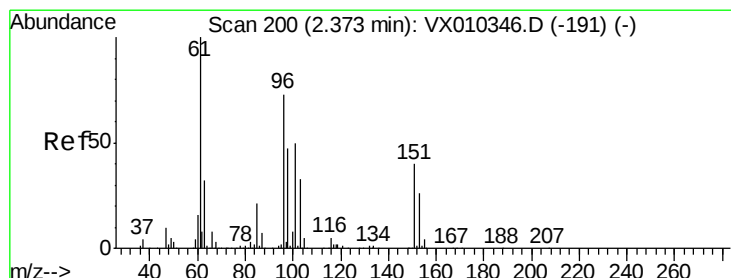
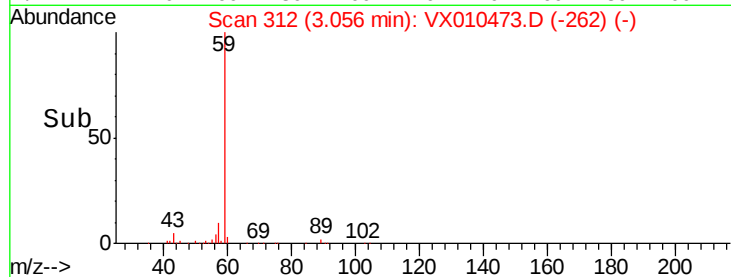
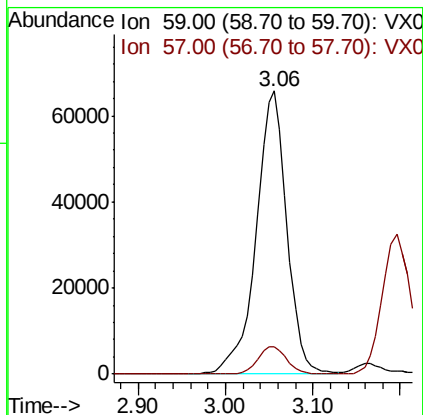
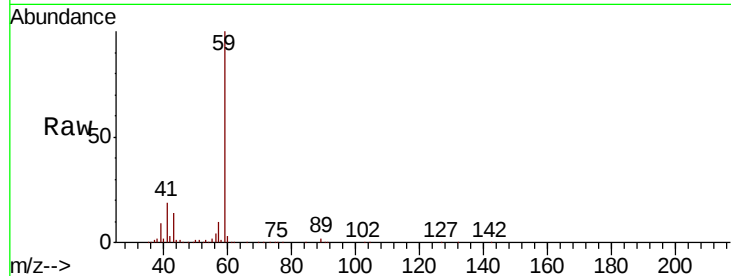


#11

Tert butyl alcohol
Concen: 257.469 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

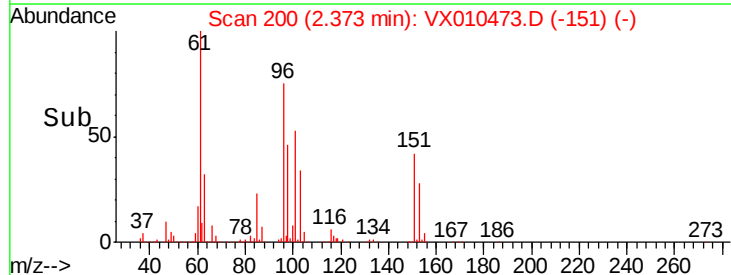
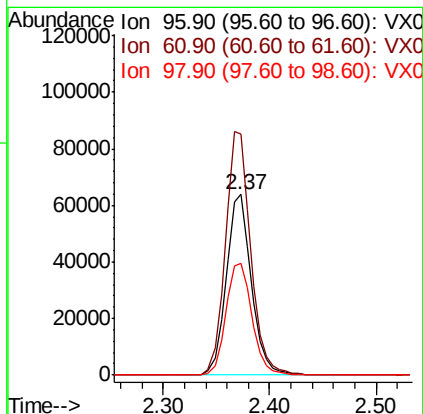
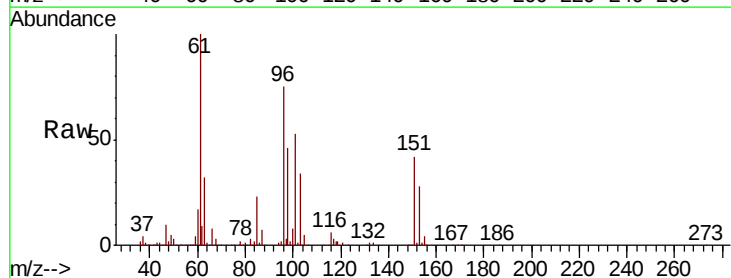
Tot Ion: 59 Resp: 160078
Ion Ratio Lower Upper
59 100
57 9.4 7.7 11.5



#12

1,1-Dichloroethene
Concen: 47.927 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Tgt Ion: 96 Resp: 105276
Ion Ratio Lower Upper
96 100
61 133.8 109.2 163.8
98 61.6 51.1 76.7





#13

Acrolein

Concen: 203.538 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

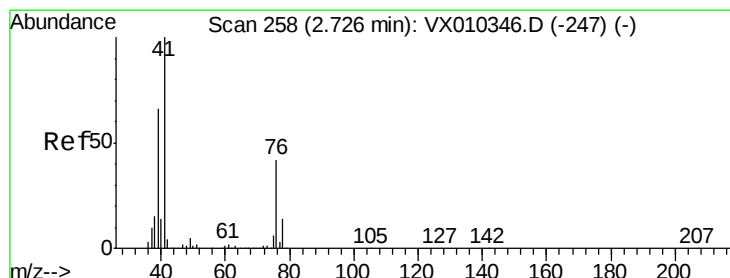
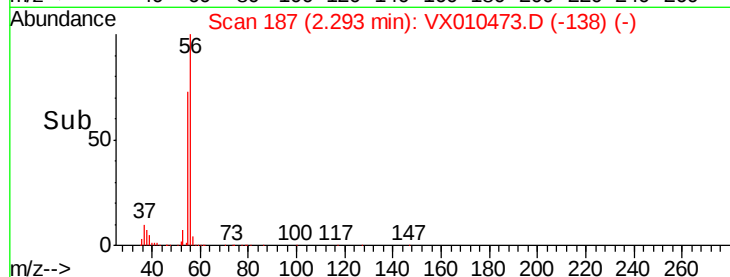
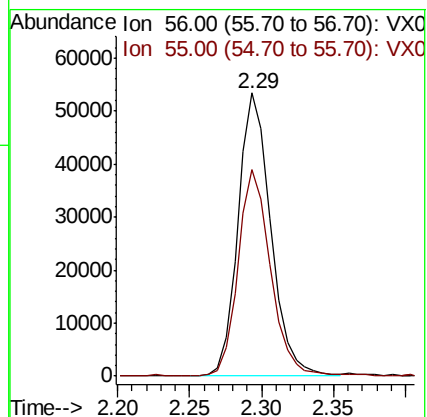
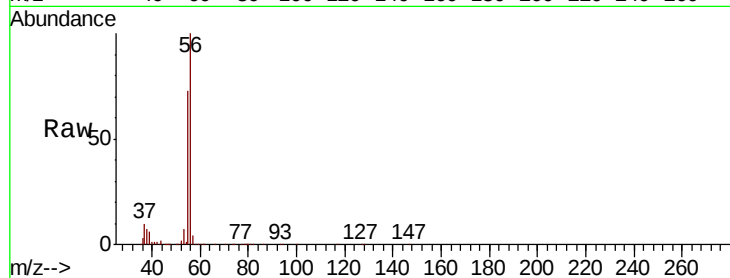
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 56 Resp: 83948

Ion Ratio Lower Upper

56 100

55 72.0 56.9 85.3



#14

Allyl chloride

Concen: 49.201 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

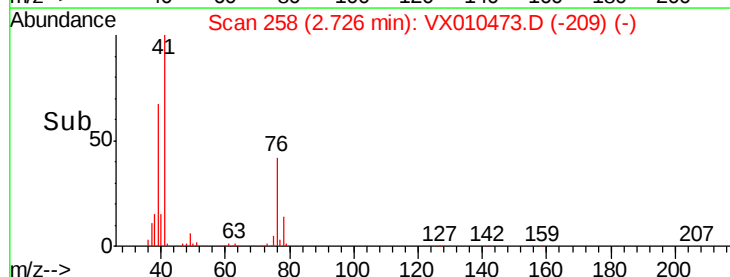
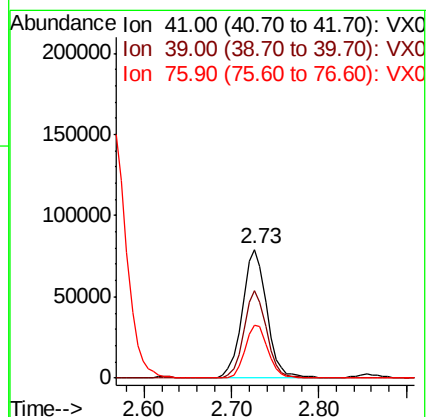
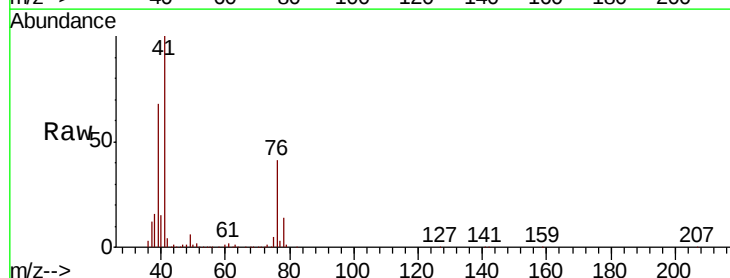
Tgt Ion: 41 Resp: 153435

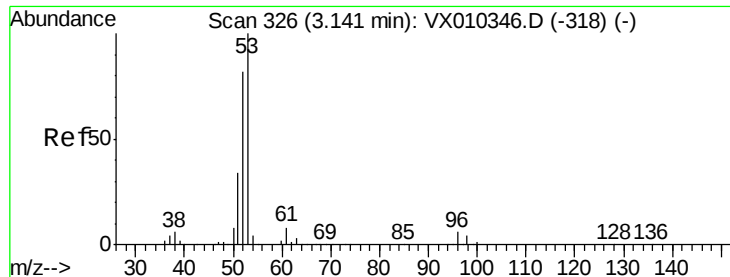
Ion Ratio Lower Upper

41 100

39 63.0 50.3 75.5

76 38.5 31.3 46.9





#15

Acrylonitrile

Concen: 259.506 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

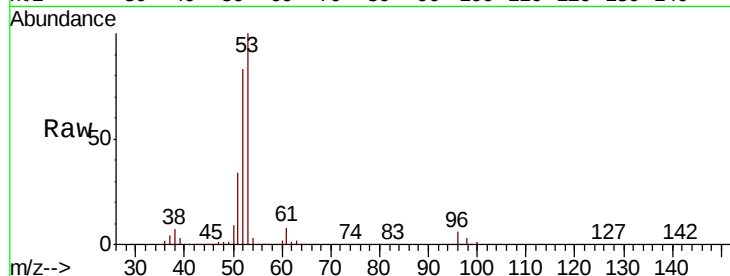
Tot Ion: 53 Resp: 319444

Ion Ratio Lower Upper

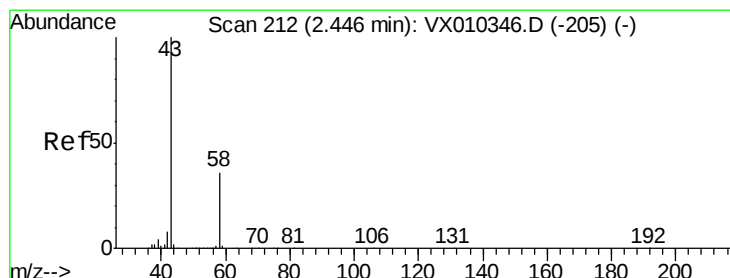
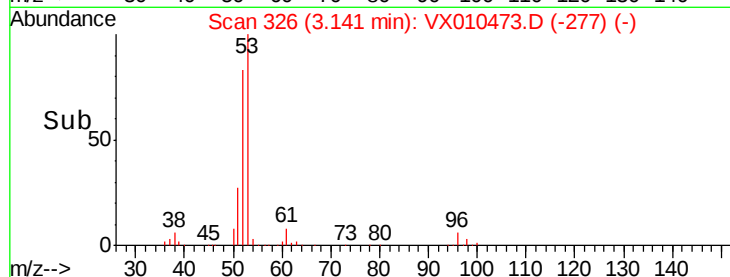
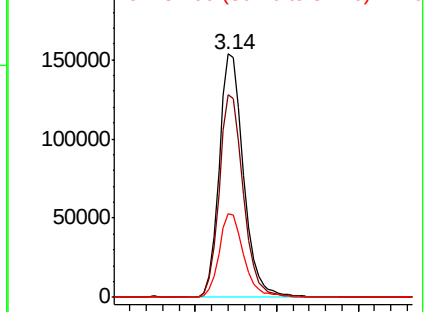
53 100

52 82.2 65.5 98.3

51 34.7 28.2 42.4



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: 209.880 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010473.D

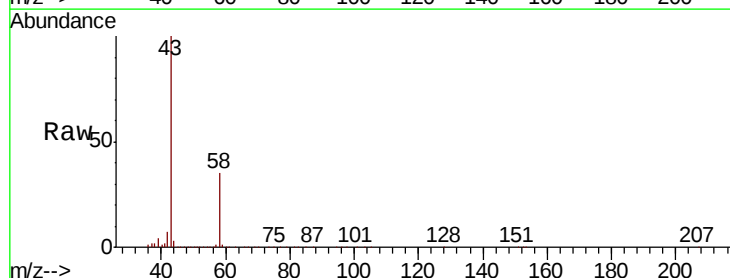
Acq: 26 Jun 2019 19:16

Tgt Ion: 43 Resp: 249926

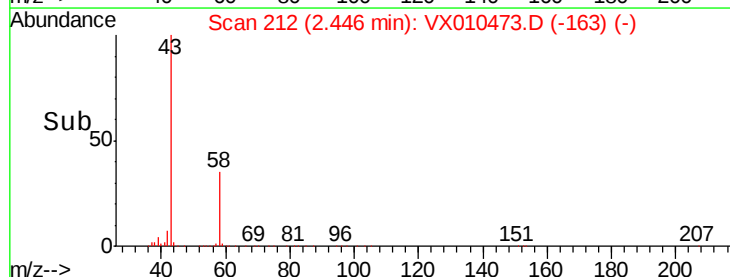
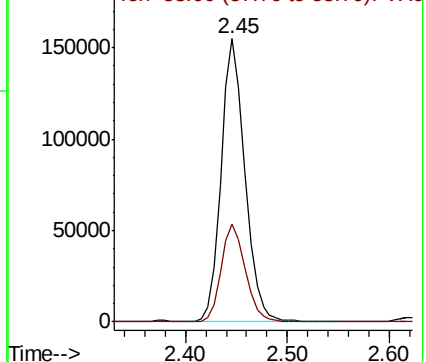
Ion Ratio Lower Upper

43 100

58 34.7 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

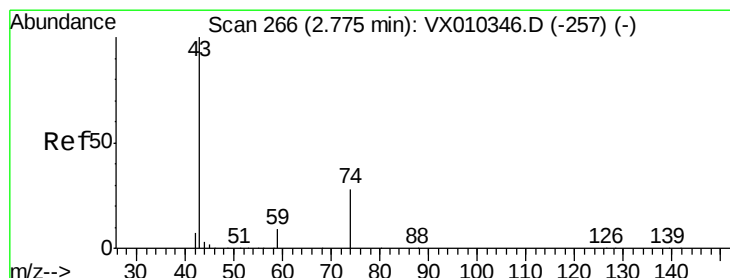
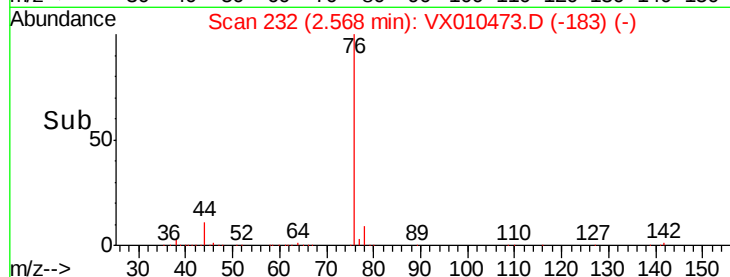
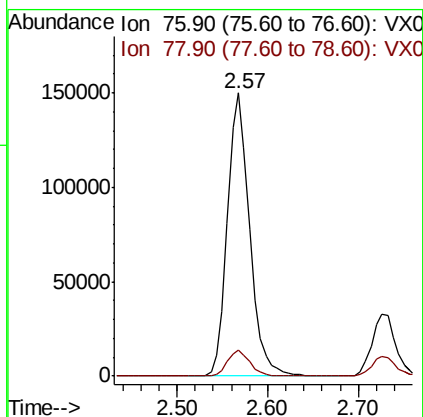
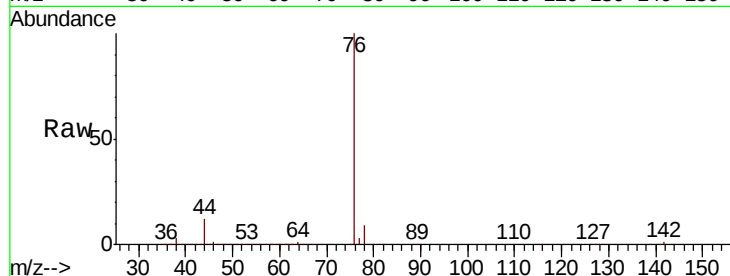




#17
Carbon Disulfide
Concen: 43.290 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

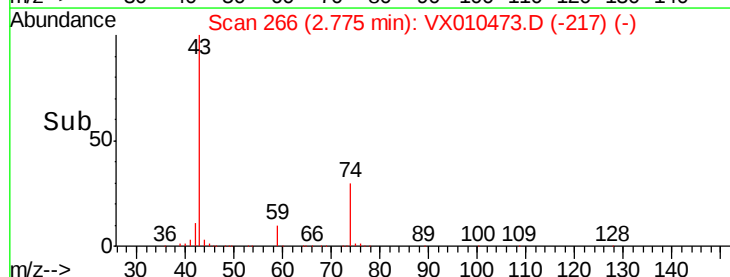
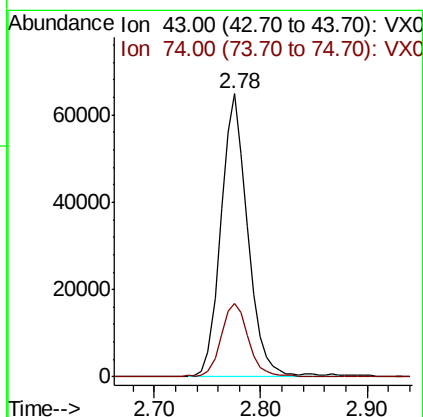
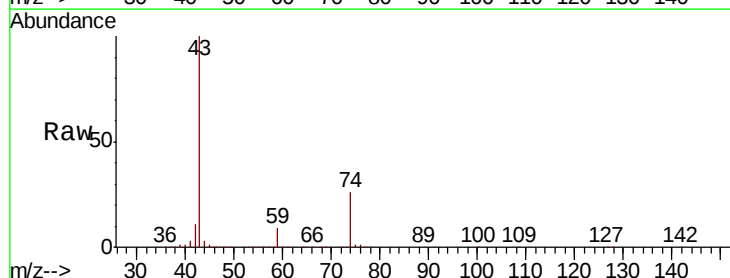
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

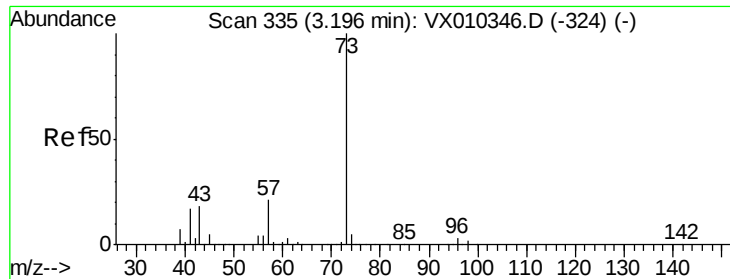
Tot Ion: 76 Resp: 255112
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 48.211 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Tgt Ion: 43 Resp: 114421
Ion Ratio Lower Upper
43 100
74 27.2 21.3 31.9

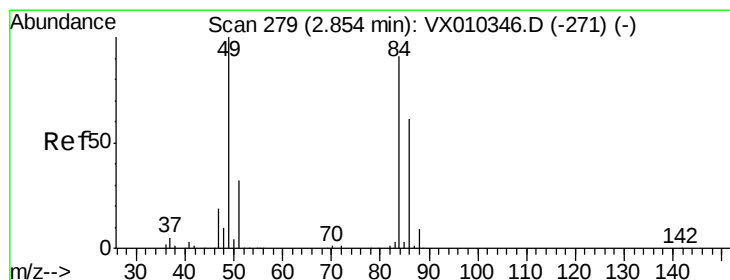
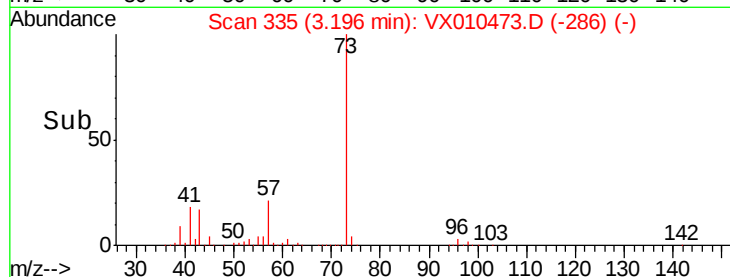
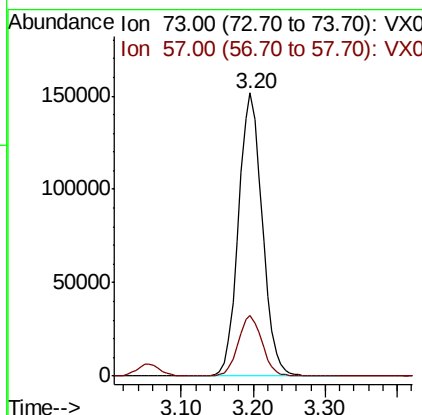
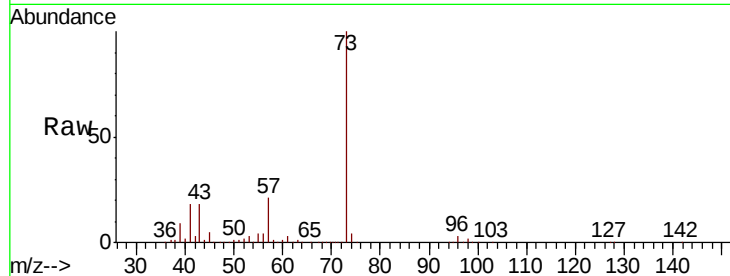




#19
Methyl tert-butyl Ether
Concen: 50.335 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

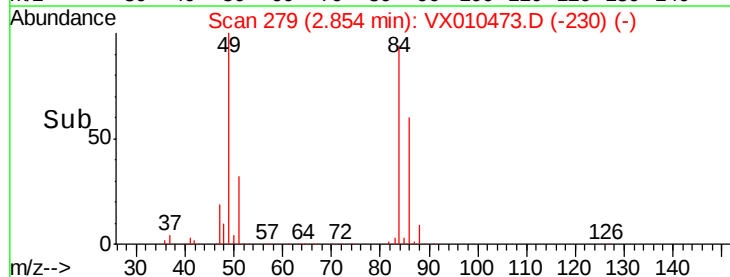
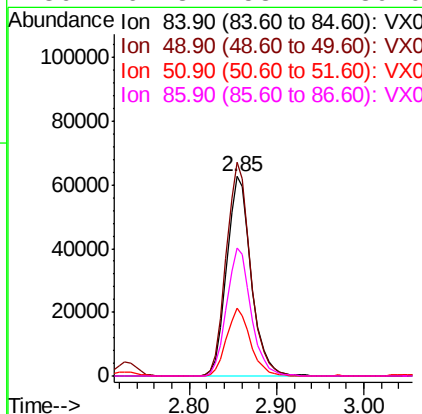
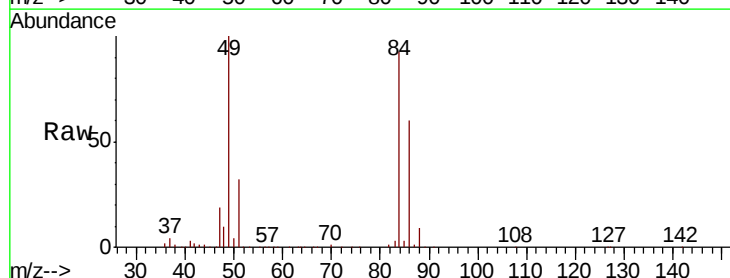
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 73 Resp: 347829
Ion Ratio Lower Upper
73 100
57 21.4 16.4 24.6



#20
Methylene Chloride
Concen: 49.517 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Tgt Ion: 84 Resp: 121348
Ion Ratio Lower Upper
84 100
49 106.8 87.5 131.3
51 33.7 27.7 41.5
86 64.3 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 47.488 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

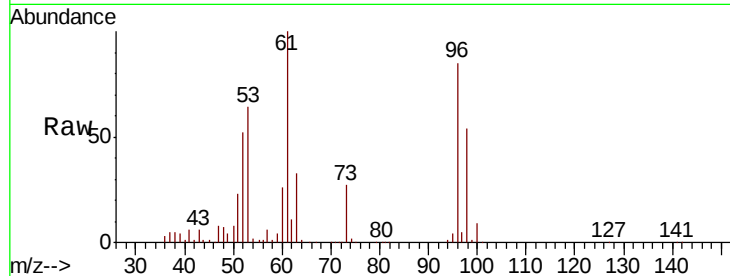
Tot Ion: 96 Resp: 112187

Ion Ratio Lower Upper

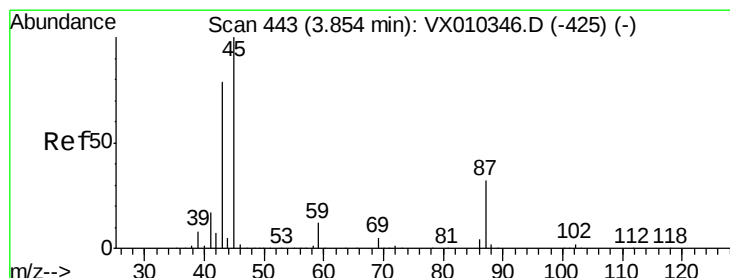
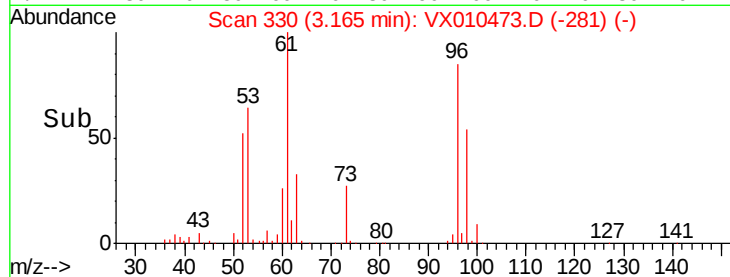
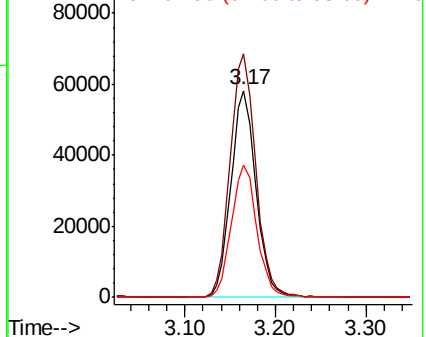
96 100

61 117.5 95.6 143.4

98 64.1 52.5 78.7



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



#22

Diisopropyl ether

Concen: 50.505 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Tgt Ion: 45 Resp: 329298

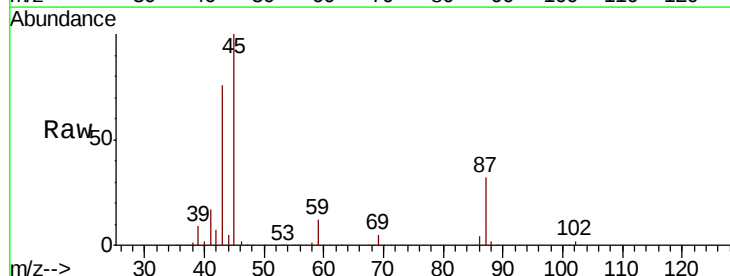
Ion Ratio Lower Upper

45 100

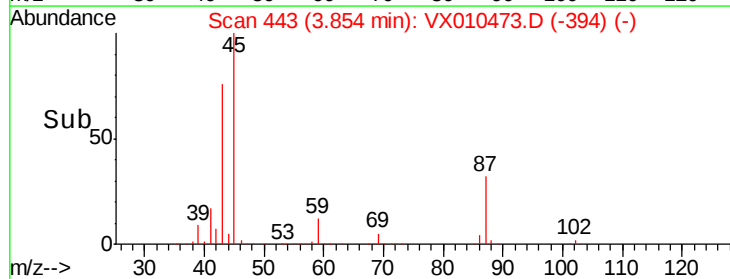
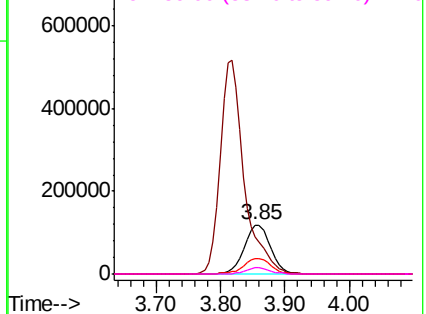
43 75.6 63.3 94.9

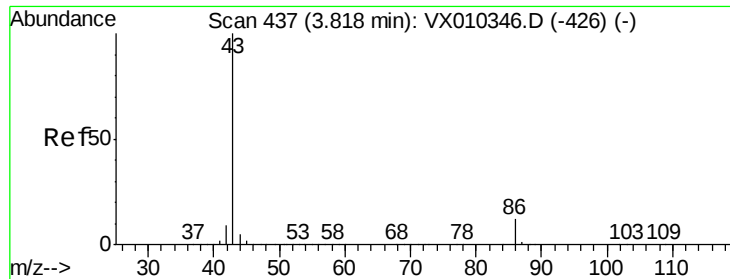
87 32.1 25.8 38.8

59 12.2 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 239.054 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

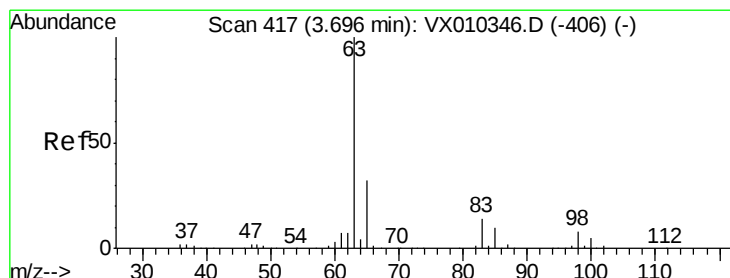
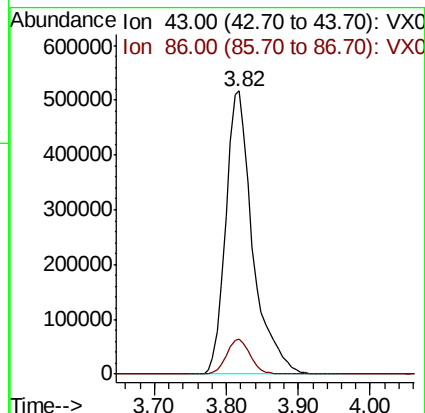
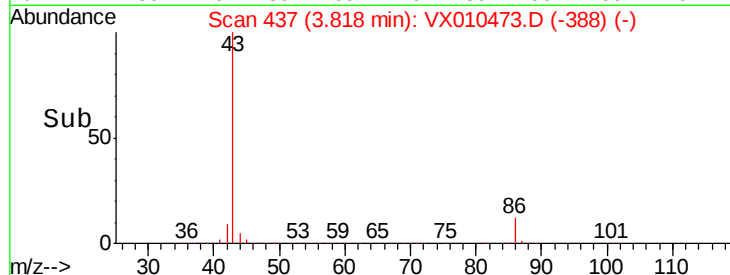
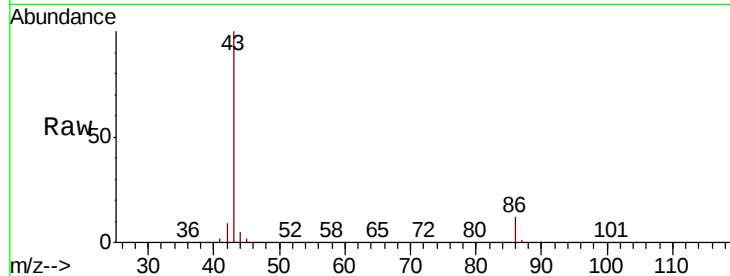
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 43 Resp: 1346513

Ion Ratio Lower Upper

43 100

86 12.4 9.9 14.9



#24

1,1-Dichloroethane

Concen: 49.690 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

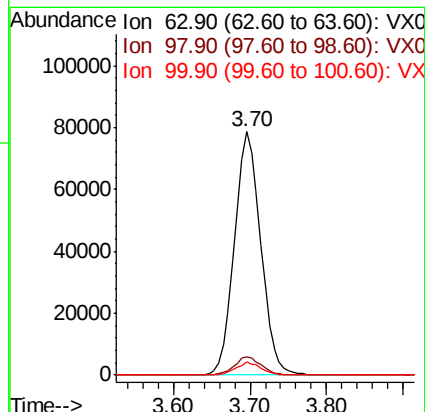
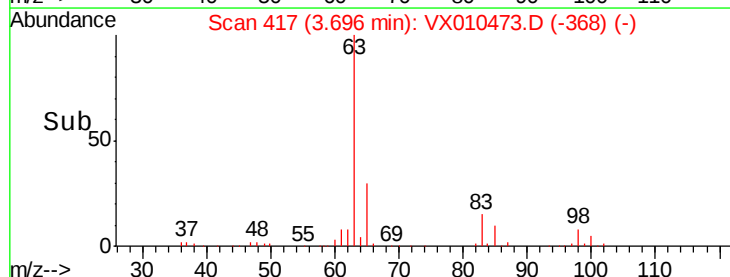
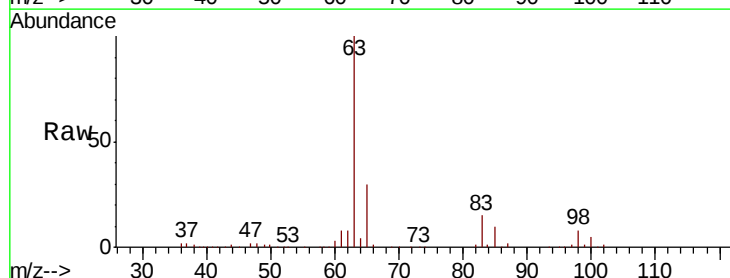
Tgt Ion: 63 Resp: 187276

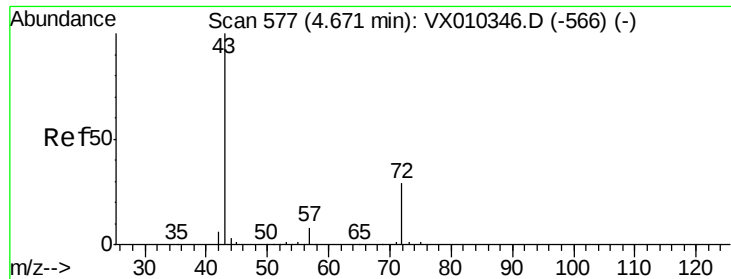
Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.7

100 5.3 2.4 7.1





#25

2-Butanone

Concen: 246.905 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

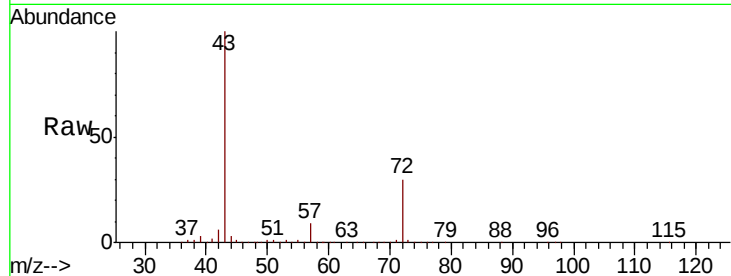
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 43 Resp: 431284

Ion Ratio Lower Upper

43 100

72 29.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

150000

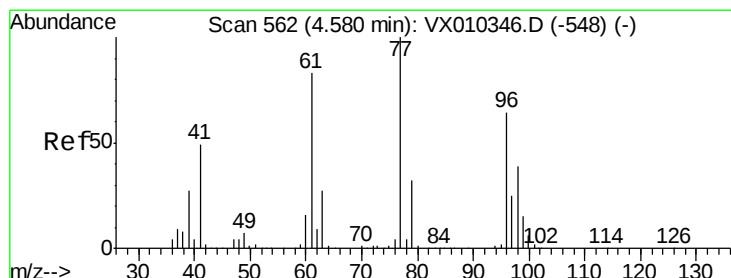
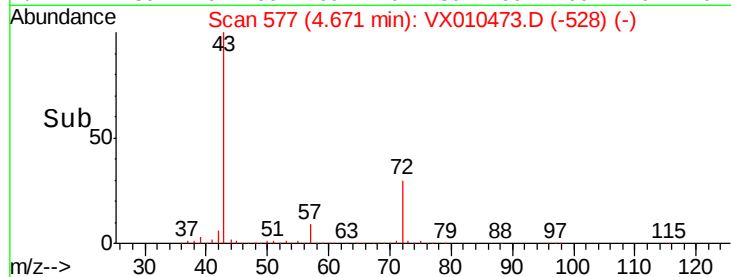
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 43.286 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010473.D

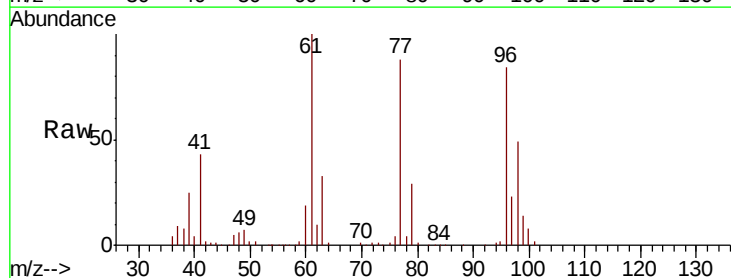
Acq: 26 Jun 2019 19:16

Tgt Ion: 77 Resp: 141718

Ion Ratio Lower Upper

77 100

97 26.1 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

50000

40000

30000

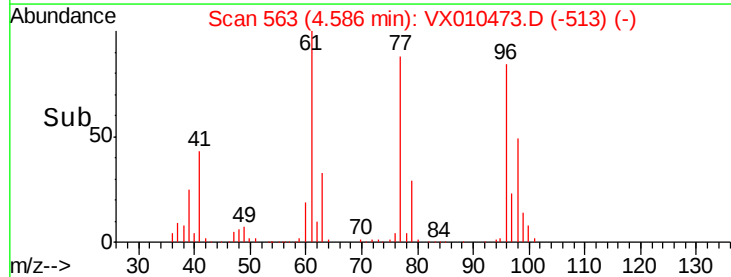
20000

10000

0

4.40 4.50 4.60 4.70

Time-->



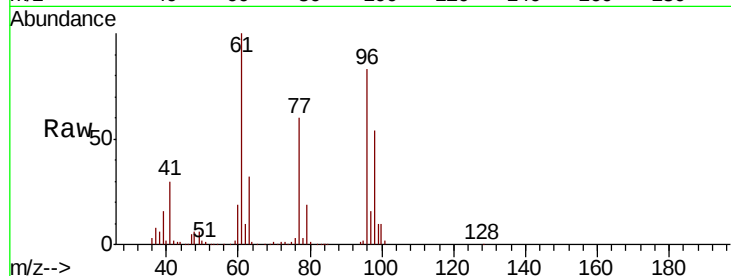


#27

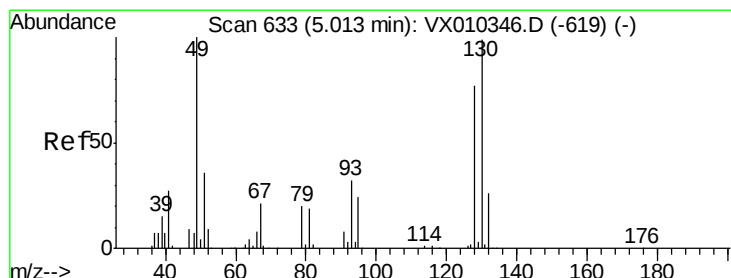
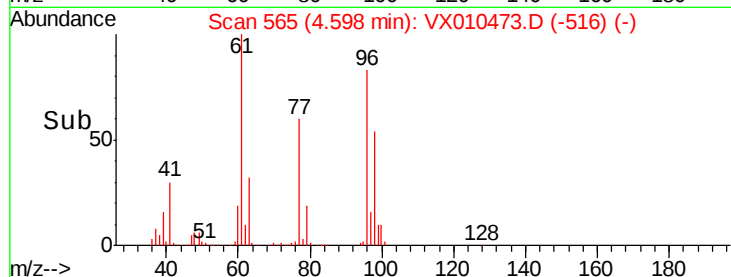
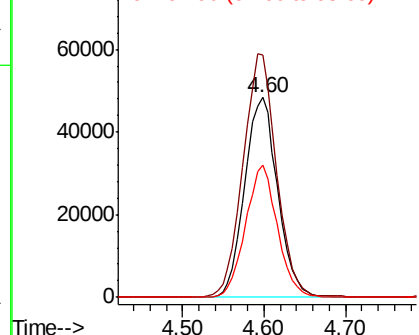
cis-1,2-Dichloroethene
Concen: 49.892 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.3	0.0	251.8
98	63.8	0.0	129.4



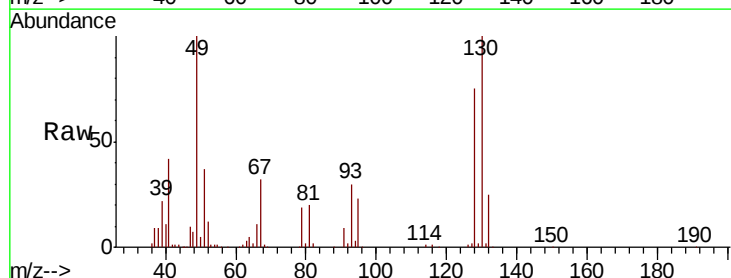
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



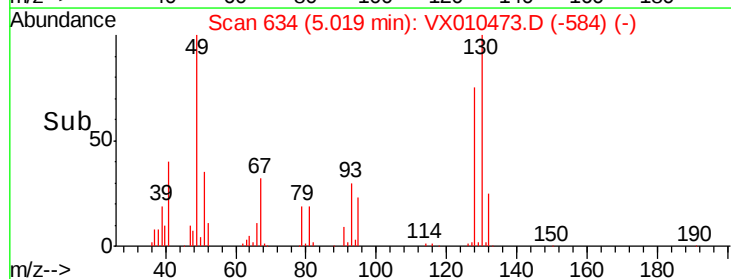
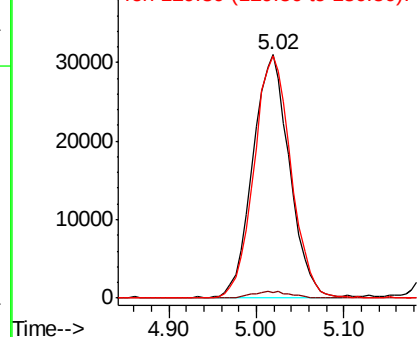
#28

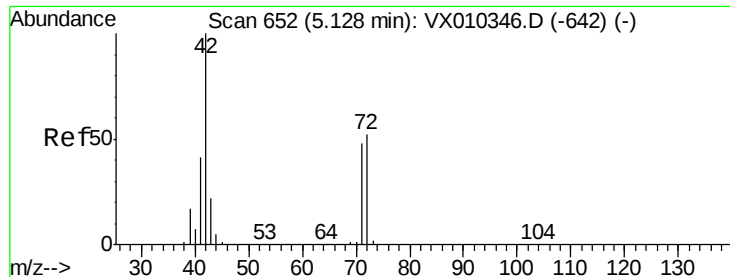
Bromochloromethane
Concen: 50.514 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	100.0	81.4	122.0



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





#29

Tetrahydrofuran

Concen: 256.954 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

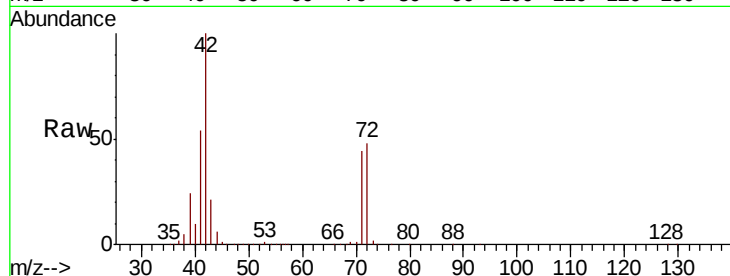
Tot Ion: 42 Resp: 278013

Ion Ratio Lower Upper

42 100

72 51.2 40.6 60.8

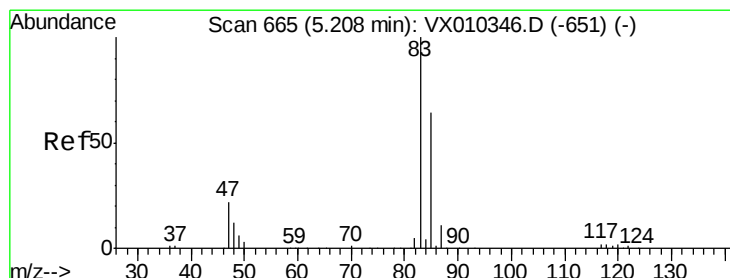
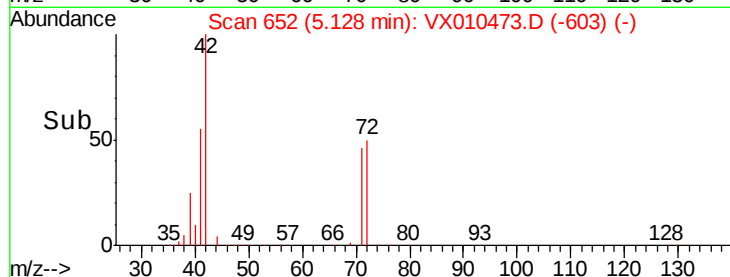
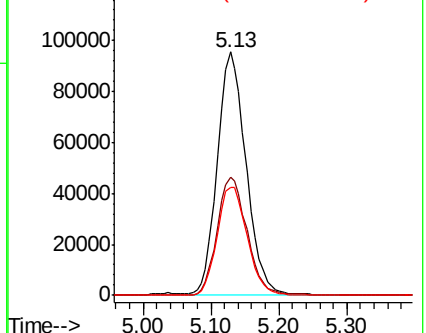
71 47.1 37.8 56.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.381 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX010473.D

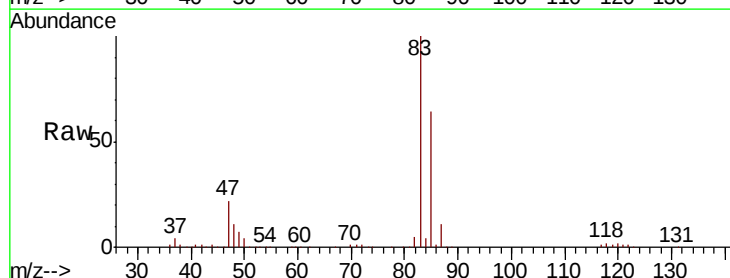
Acq: 26 Jun 2019 19:16

Tgt Ion: 83 Resp: 204300

Ion Ratio Lower Upper

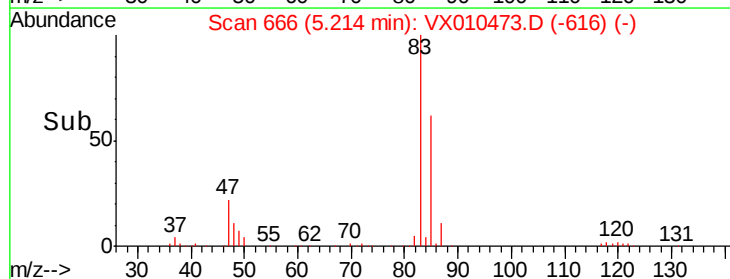
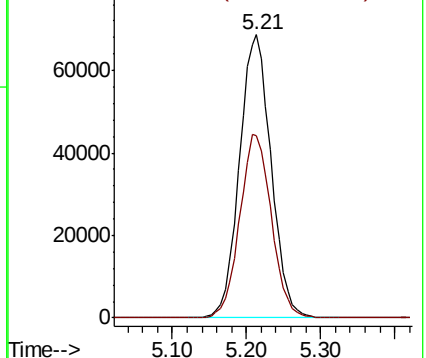
83 100

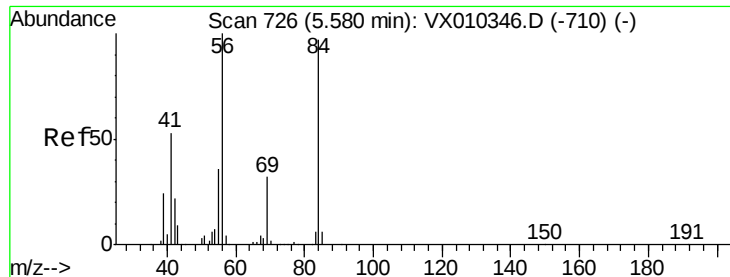
85 64.5 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

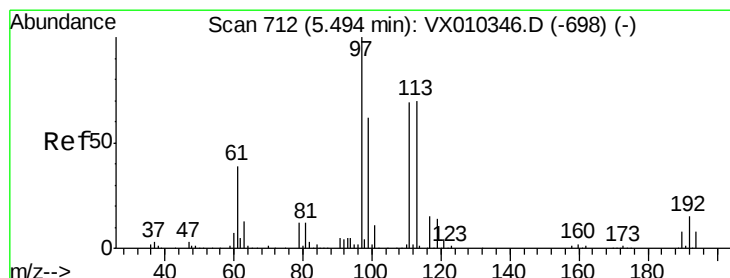
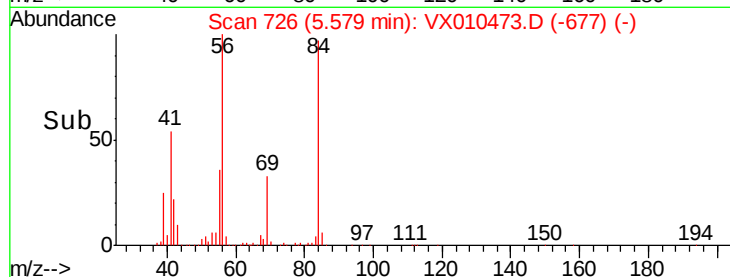
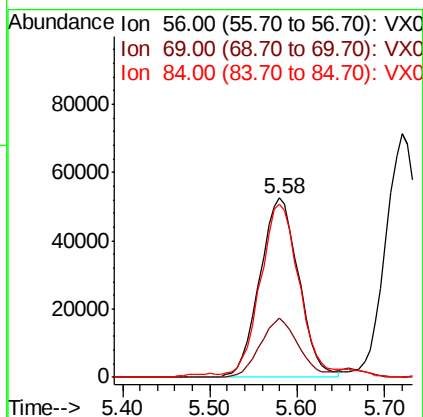
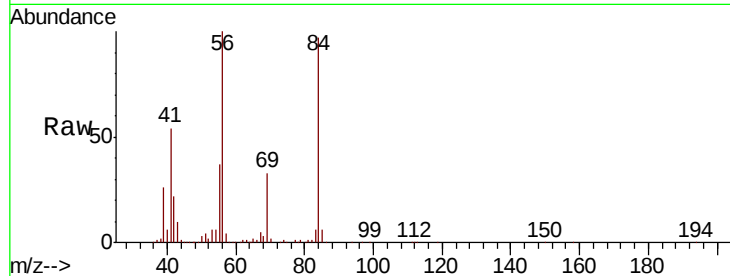




#31
Cyclohexane
Concen: 47.737 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

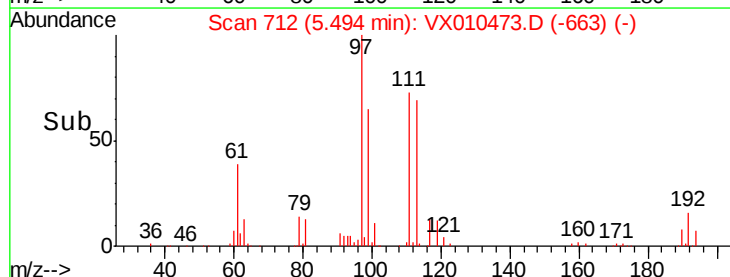
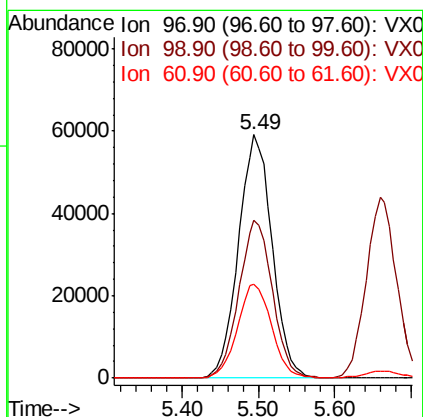
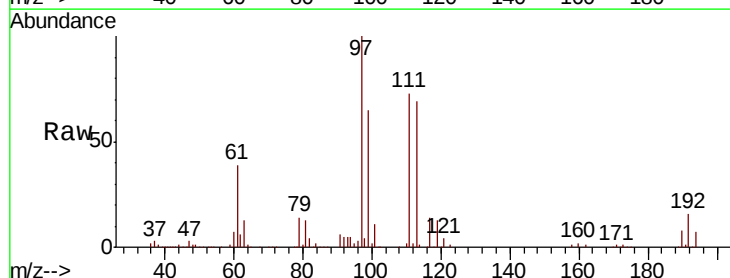
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

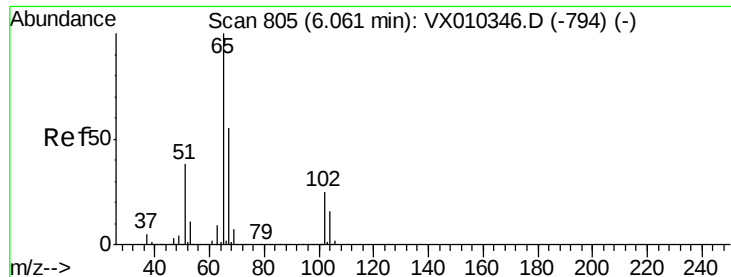
Tot Ion: 56 Resp: 163838
Ion Ratio Lower Upper
56 100
69 33.1 25.9 38.9
84 95.5 78.0 117.0



#32
1,1,1-Trichloroethane
Concen: 50.410 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Tgt Ion: 97 Resp: 180498
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.8
61 39.0 32.1 48.1





#33

1,2-Dichloroethane-d4

Concen: 52.803 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

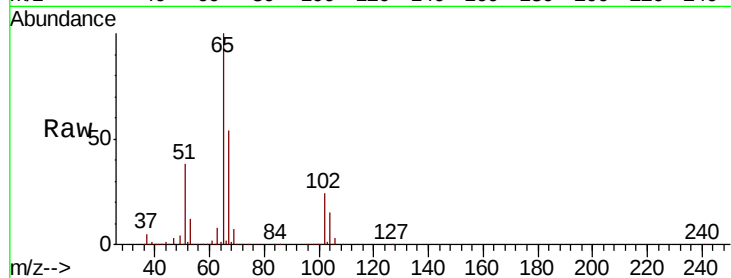
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 65 Resp: 125463

Ion Ratio Lower Upper

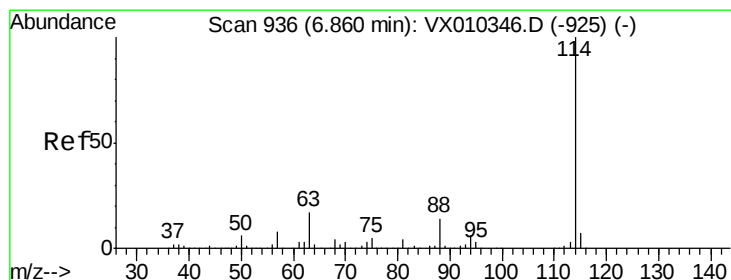
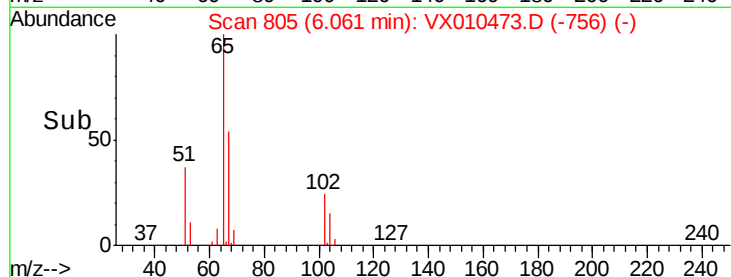
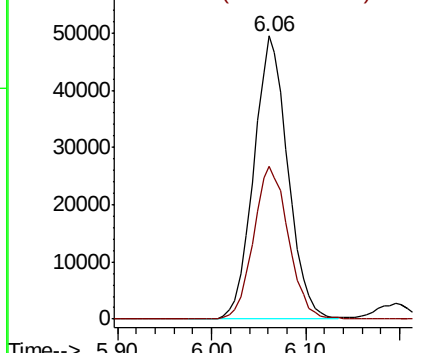
65 100

67 55.0 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

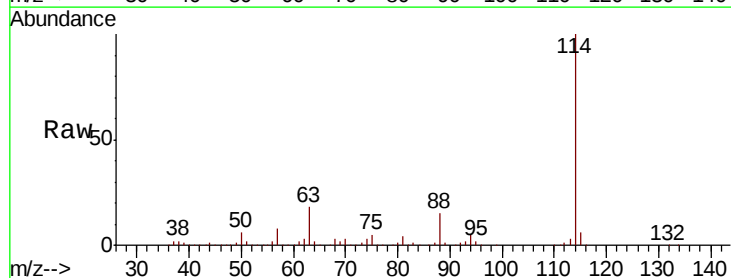
Tgt Ion: 114 Resp: 379482

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.8

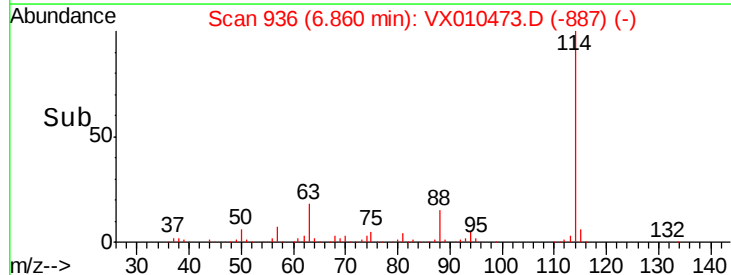
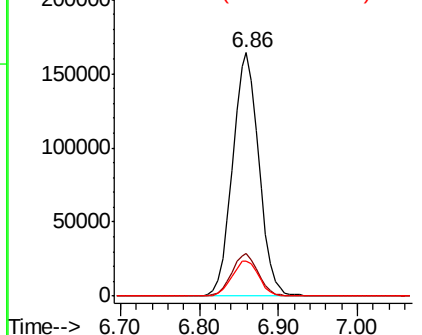
88 14.5 0.0 27.6

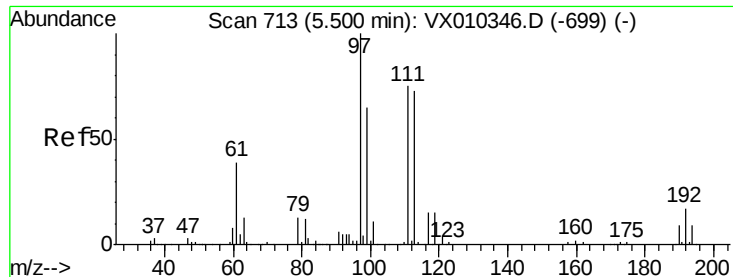


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.161 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

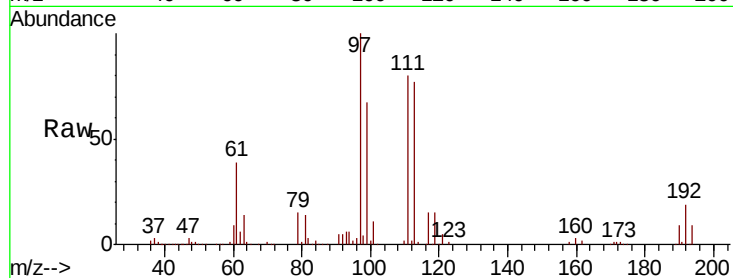
Tot Ion:113 Resp: 123429

Ion Ratio Lower Upper

113 100

111 102.8 81.2 121.8

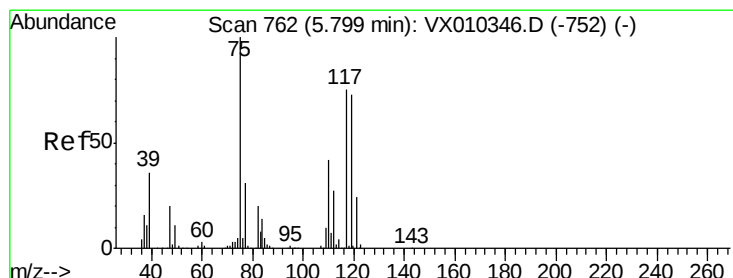
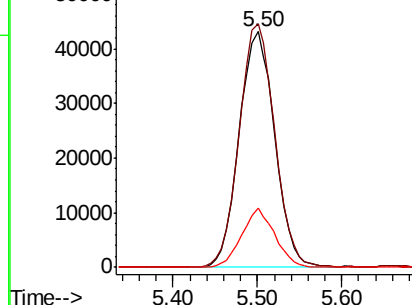
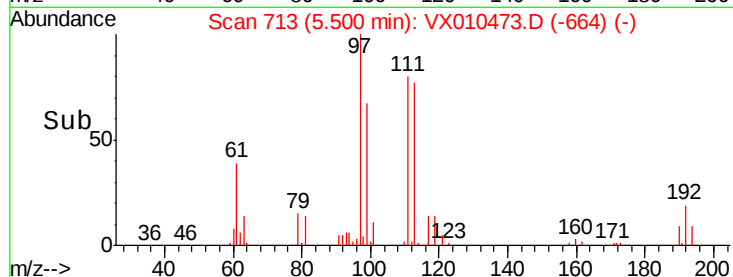
192 23.4 18.6 27.8



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: 47.549 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

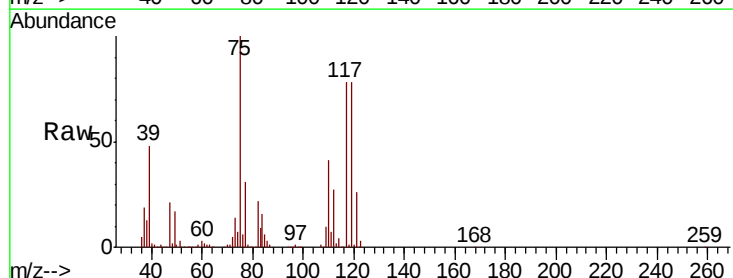
Tgt Ion: 75 Resp: 143388

Ion Ratio Lower Upper

75 100

110 41.1 20.8 62.2

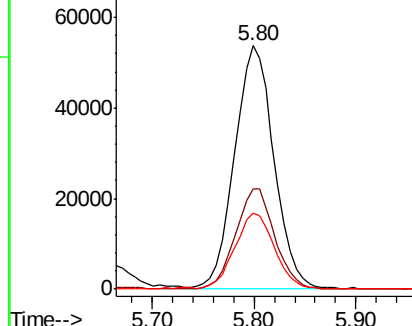
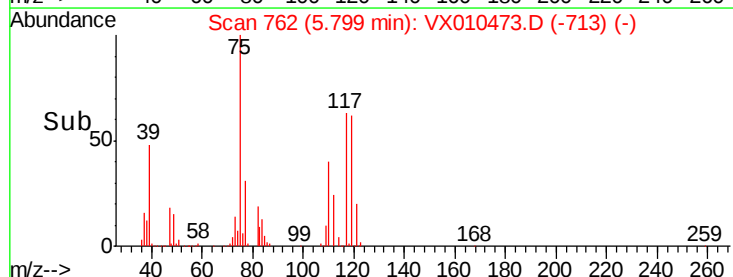
77 32.0 25.4 38.0

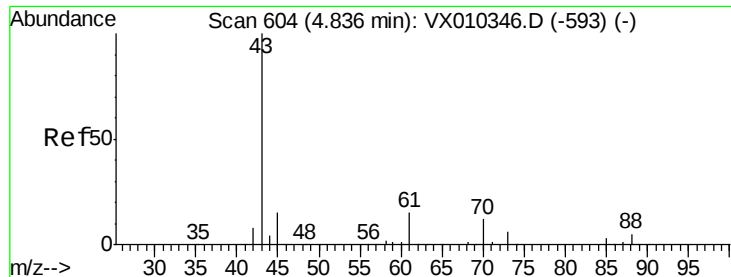


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 48.474 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

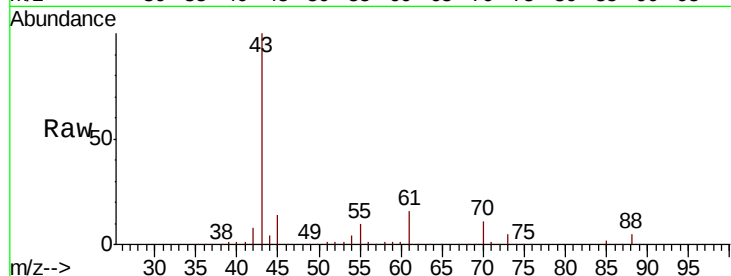
Tot Ion: 43 Resp: 150381

Ion Ratio Lower Upper

43 100

61 15.4 12.4 18.6

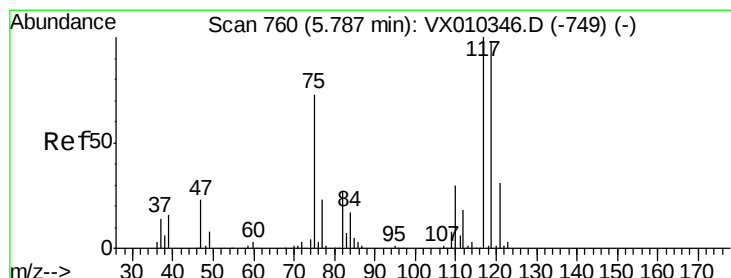
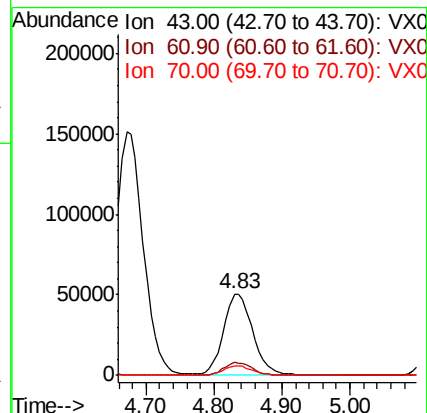
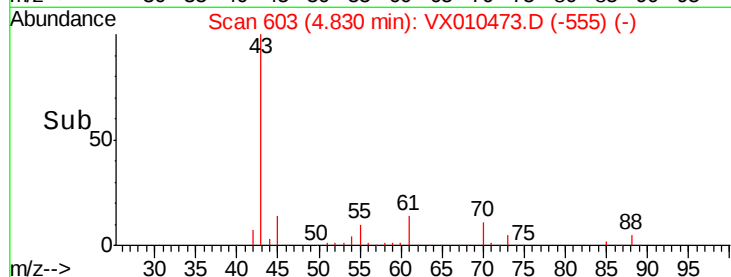
70 12.0 9.8 14.8



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: 48.693 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

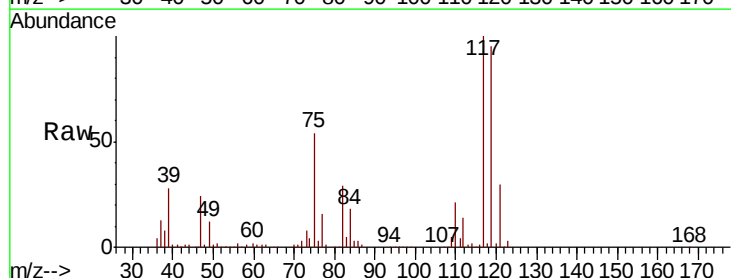
Tgt Ion: 117 Resp: 159004

Ion Ratio Lower Upper

117 100

119 94.7 78.2 117.4

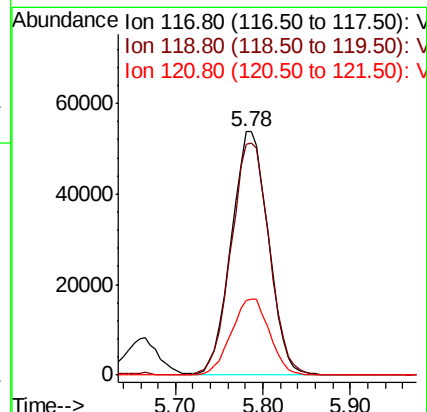
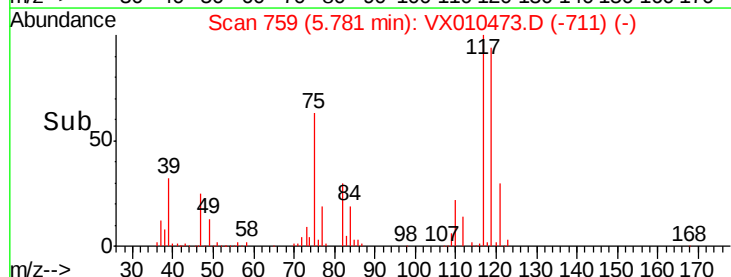
121 30.4 24.7 37.1



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

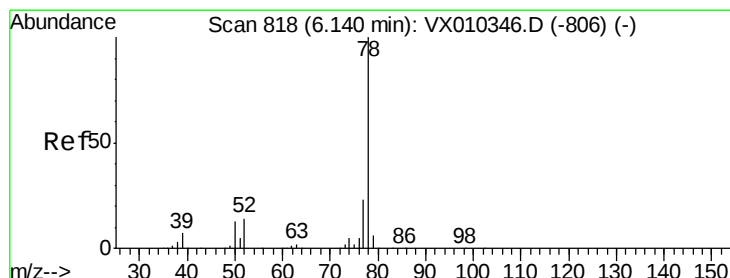
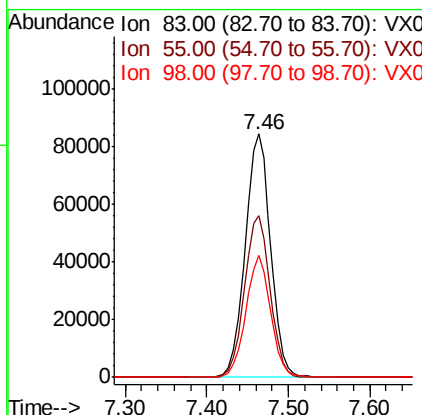
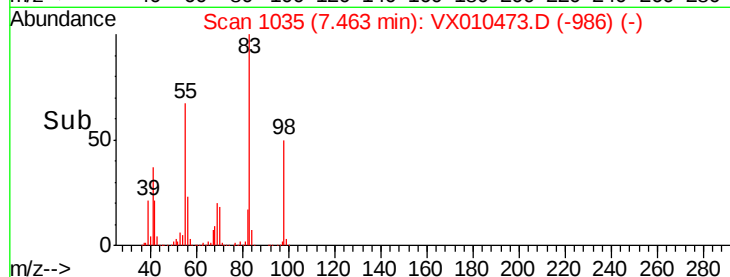
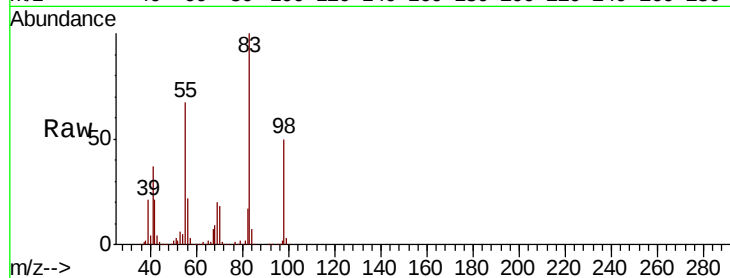




#39
Methvlcvclohexane
Concen: 45.939 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

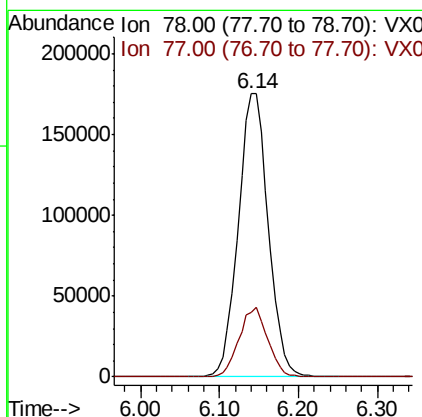
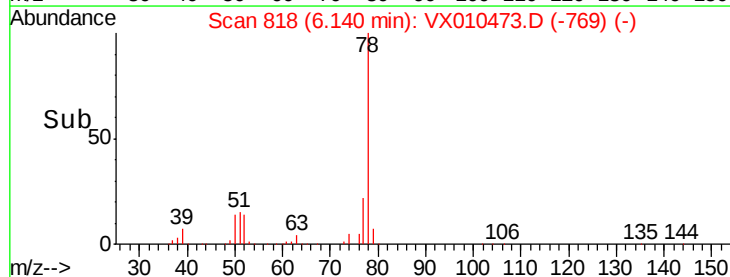
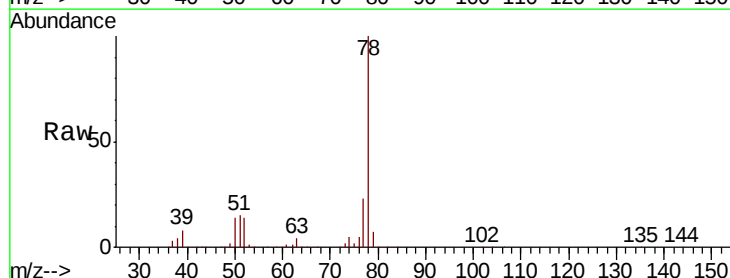
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

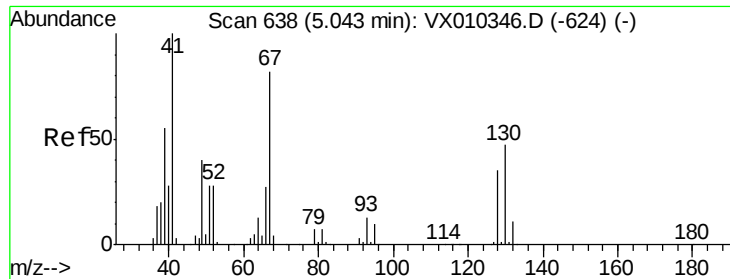
Tot Ion: 83 Resp: 182097
Ion Ratio Lower Upper
83 100
55 66.4 53.0 79.6
98 49.9 37.8 56.8



#40
Benzene
Concen: 49.368 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Tgt Ion: 78 Resp: 463813
Ion Ratio Lower Upper
78 100
77 22.9 18.6 28.0

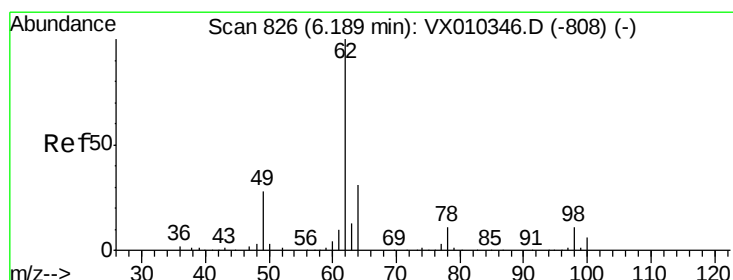
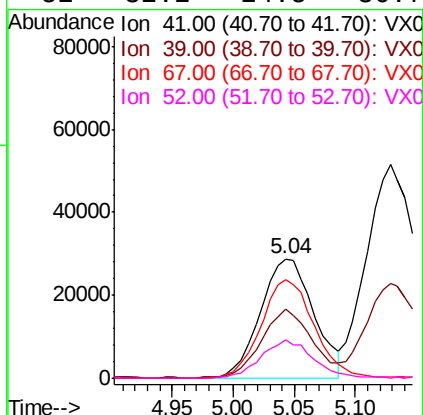
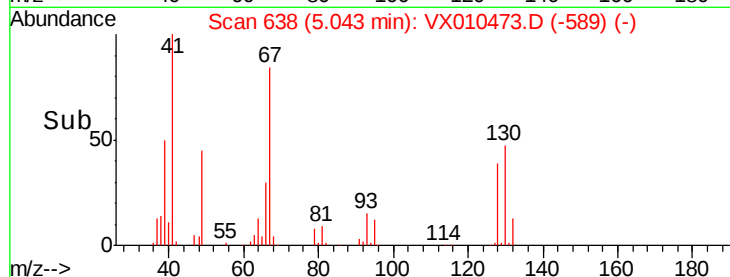
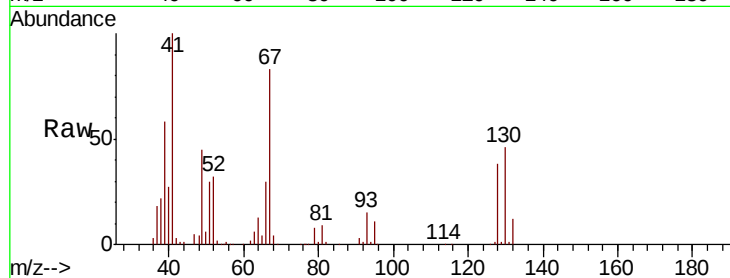




#41
Methacrylonitrile
Concen: 51.095 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

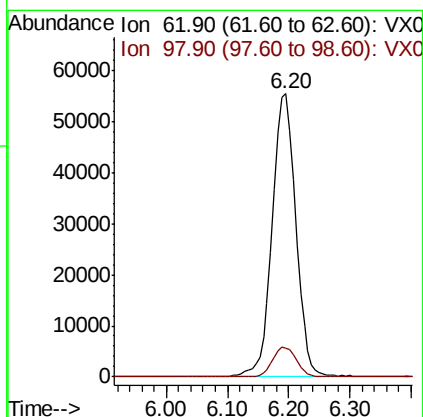
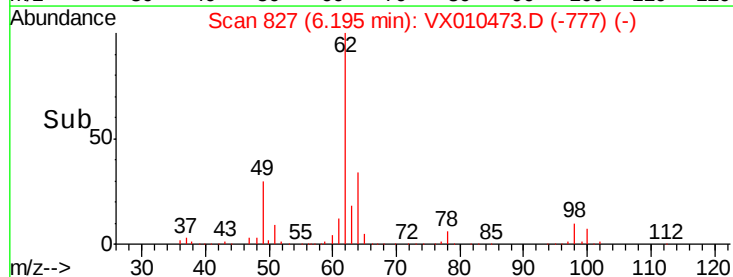
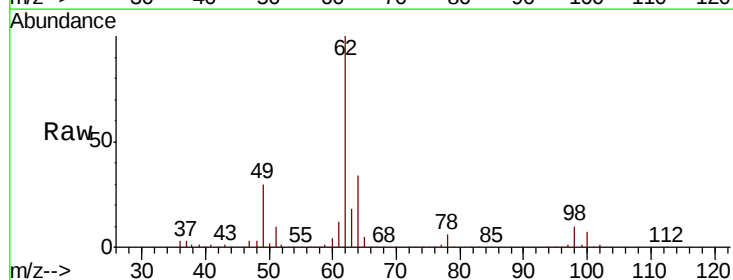
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

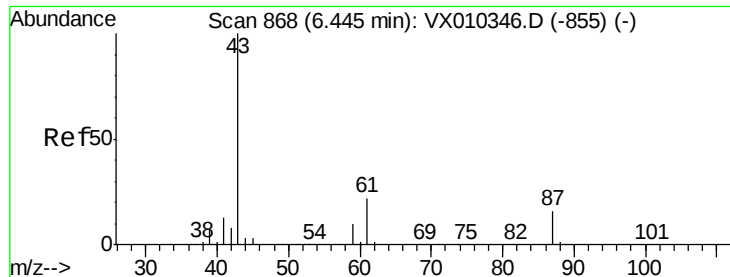
Tot Ion:	41	Resp:	86973
Ion	Ratio	Lower	Upper
41	100		
39	54.8	43.8	65.8
67	83.1	66.6	100.0
52	32.2	24.5	36.7



#42
1,2-Dichloroethane
Concen: 51.668 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Tgt Ion:	62	Resp:	147761
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	22.2



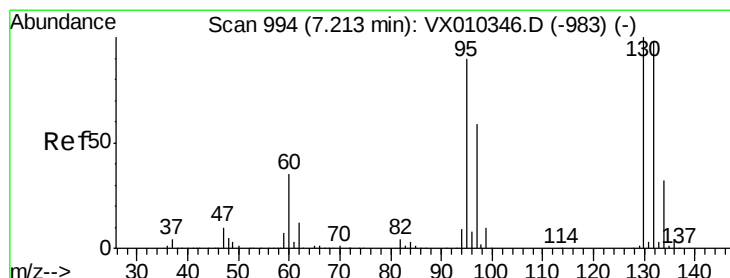
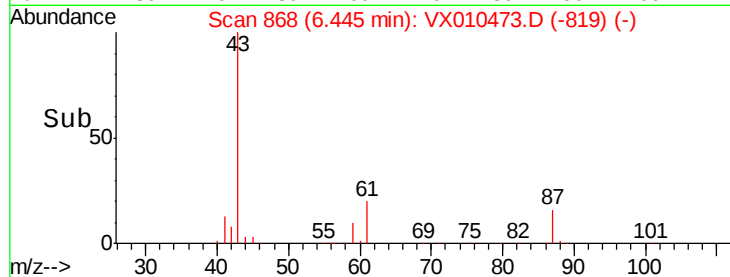
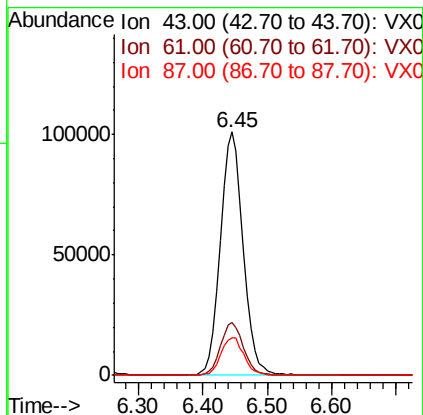
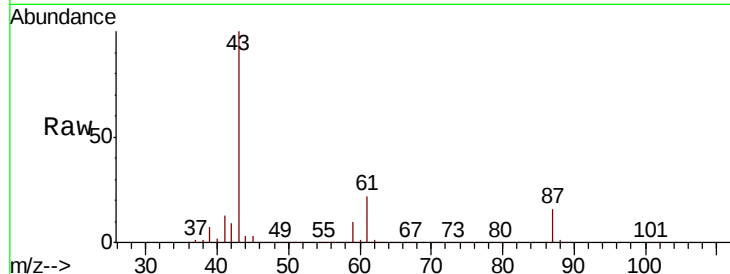


#43

Isopropyl Acetate
 Concen: 48.919 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

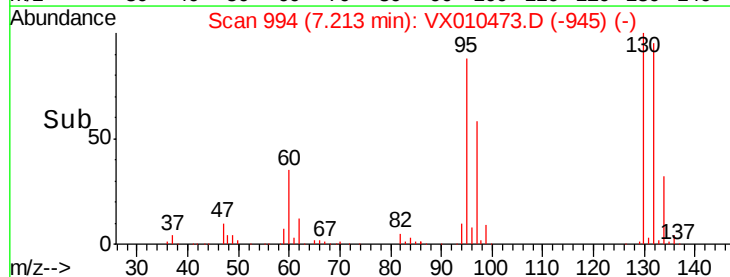
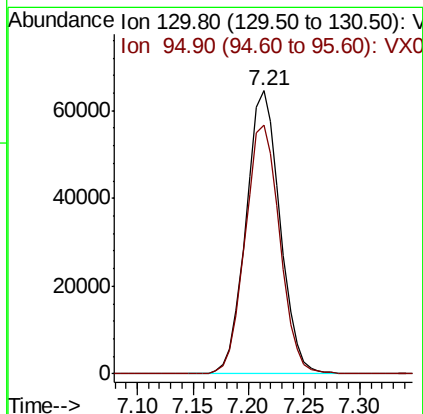
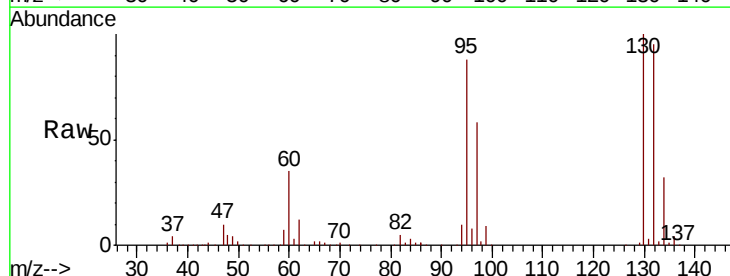
Tot Ion: 43 Resp: 251085
 Ion Ratio Lower Upper
 43 100
 61 22.0 17.8 26.6
 87 15.7 13.0 19.4

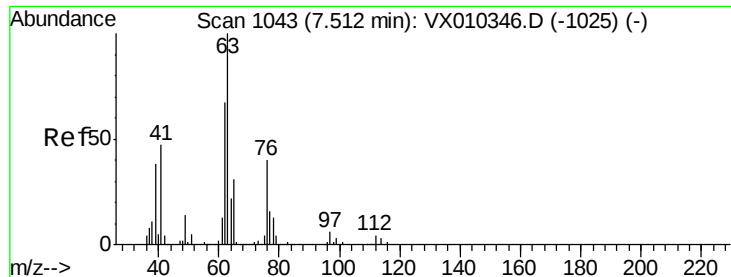


#44

Trichloroethene
 Concen: 48.891 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

Tgt Ion:130 Resp: 137443
 Ion Ratio Lower Upper
 130 100
 95 88.1 0.0 180.8

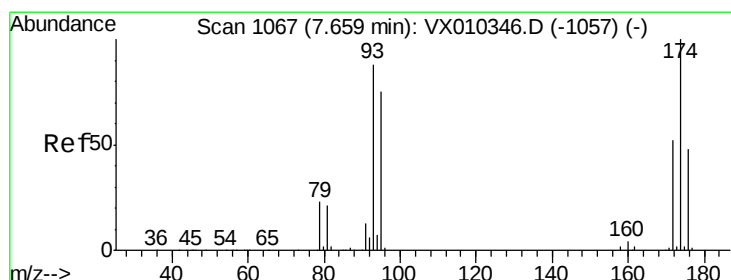
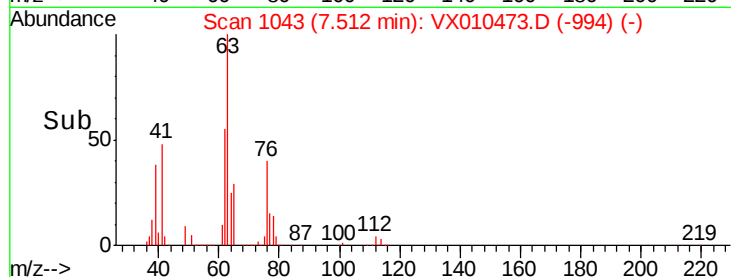
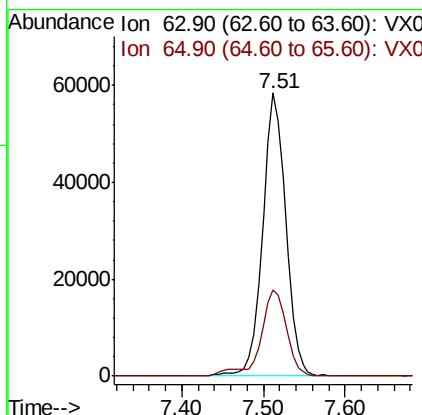
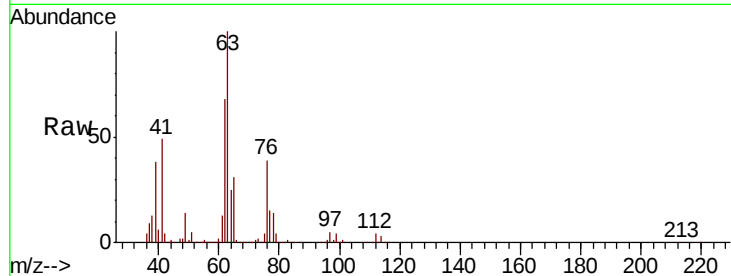




#45
 1,2-Dichloropropane
 Concen: 49.012 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

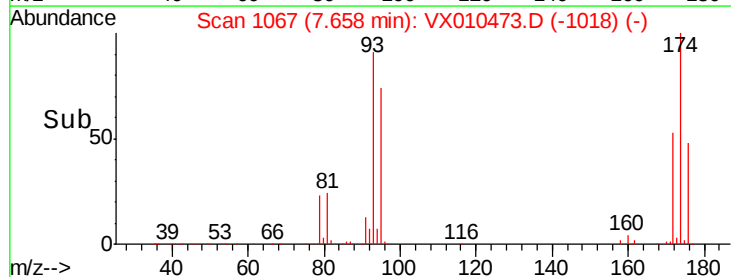
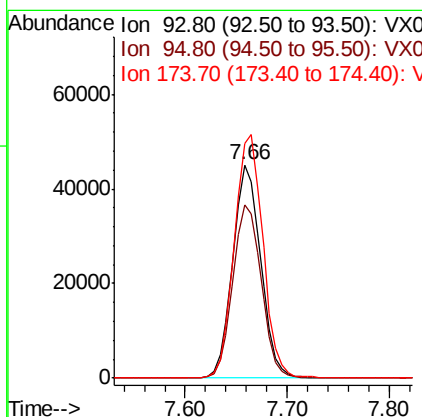
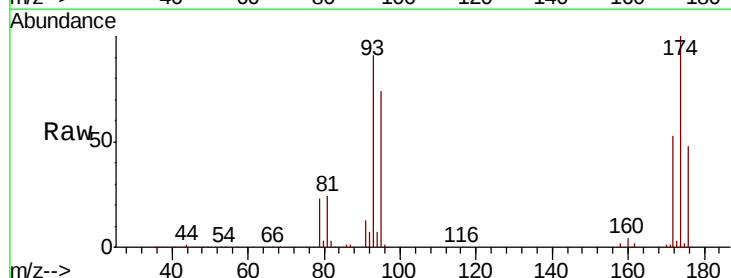
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

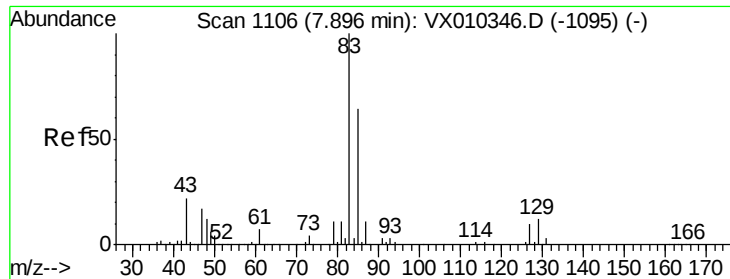
Tot Ion: 63 Resp: 116281
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.8 37.2



#46
 Dibromomethane
 Concen: 50.198 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

Tgt Ion: 93 Resp: 85447
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.5 101.3
 174 116.9 95.8 143.6





#47

Bromodichloromethane

Concen: 50.366 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

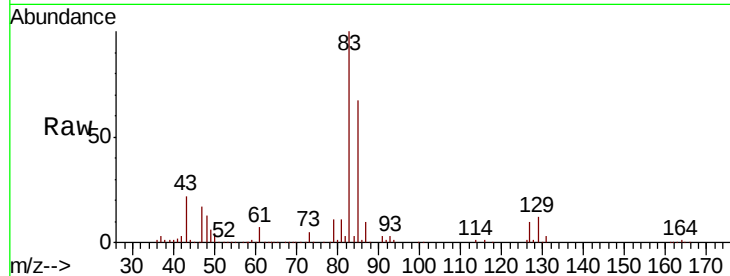
Tot Ion: 83 Resp: 157115

Ion Ratio Lower Upper

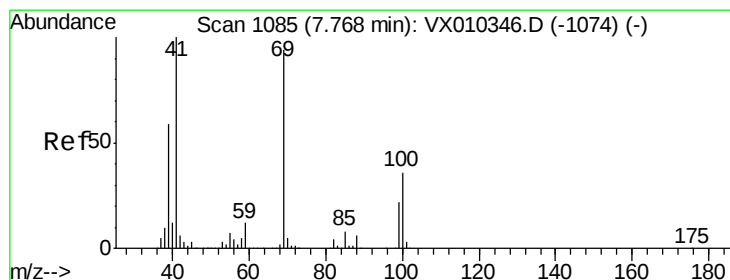
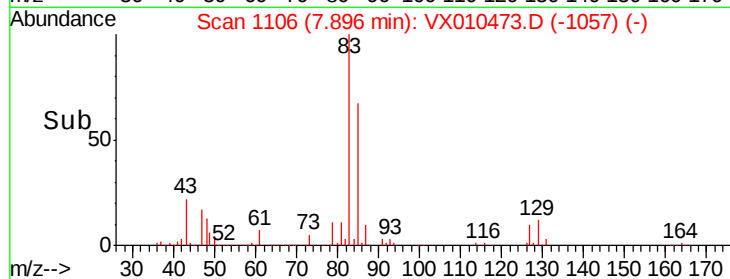
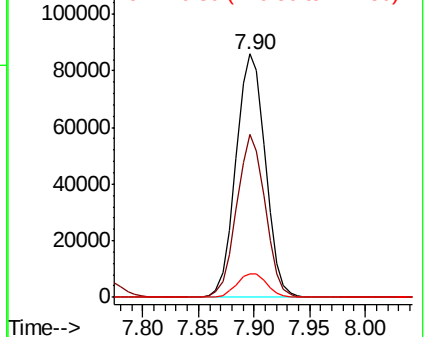
83 100

85 67.0 51.5 77.3

127 9.6 7.8 11.8



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: 52.597 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

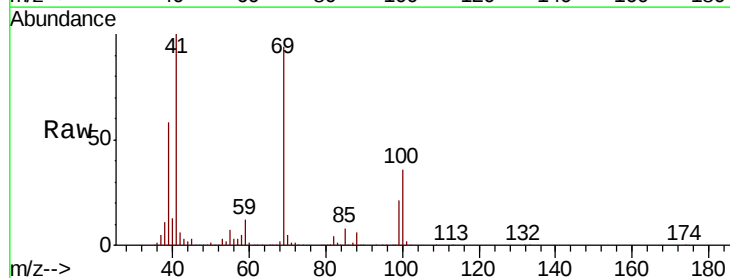
Tgt Ion: 41 Resp: 125483

Ion Ratio Lower Upper

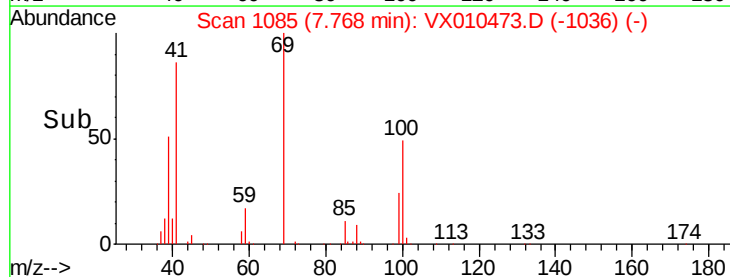
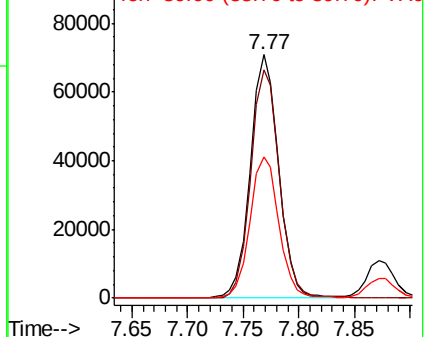
41 100

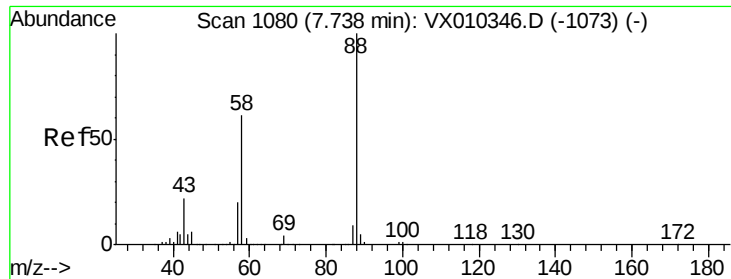
69 95.5 76.1 114.1

39 59.1 47.6 71.4



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

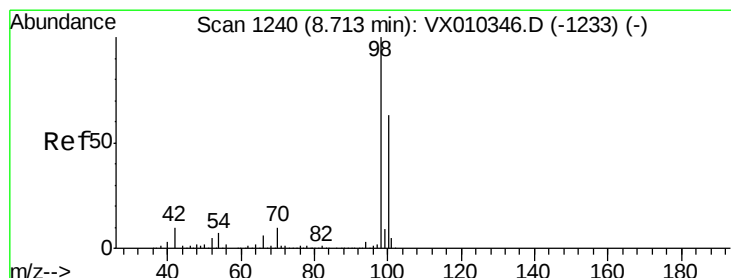
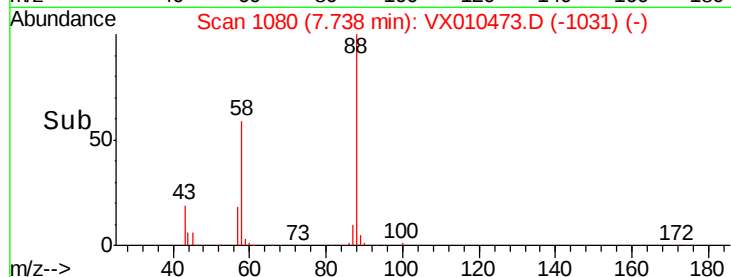
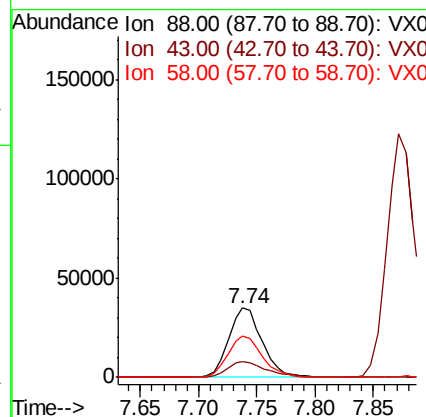
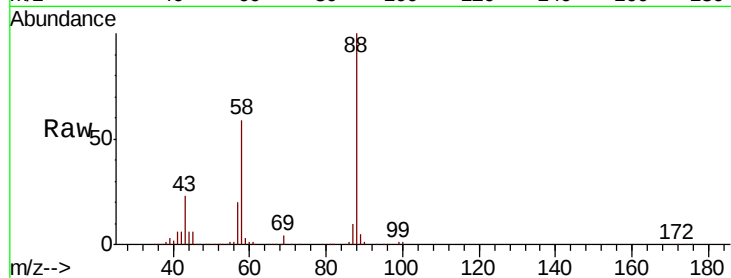




#49
 1,4-Dioxane
 Concen: 1003.749 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

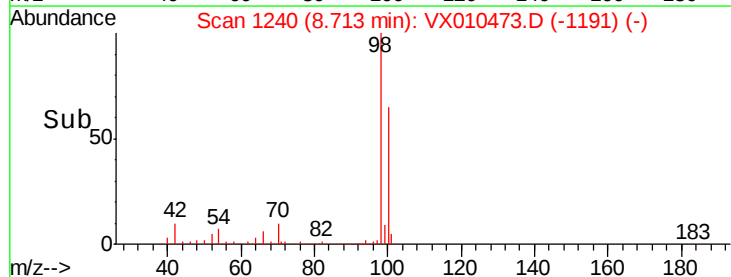
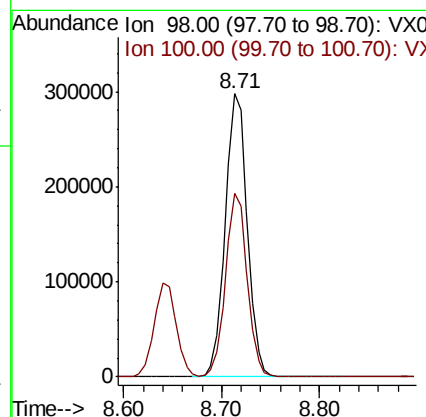
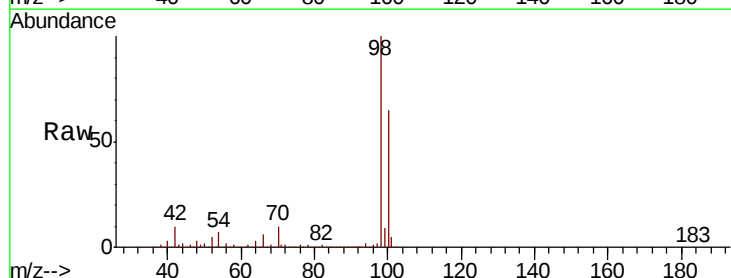
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

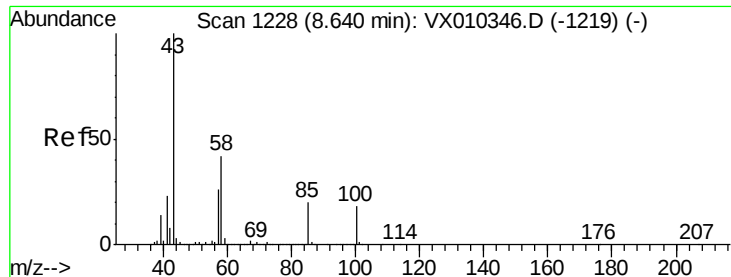
Tot Ion	88	Resp	68985
Ion	Ratio	Lower	Upper
88	100		
43	26.6	20.2	30.2
58	61.3	49.5	74.3



#50
 Toluene-d8
 Concen: 52.260 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

Tgt Ion	98	Resp	464215
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4

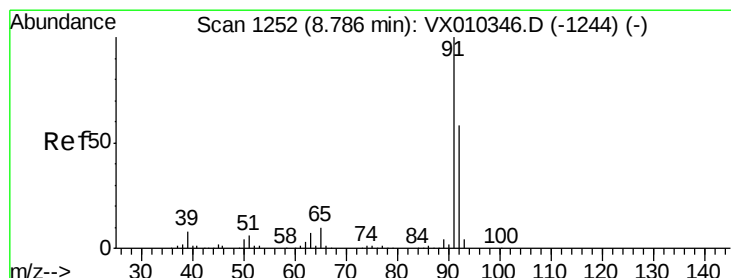
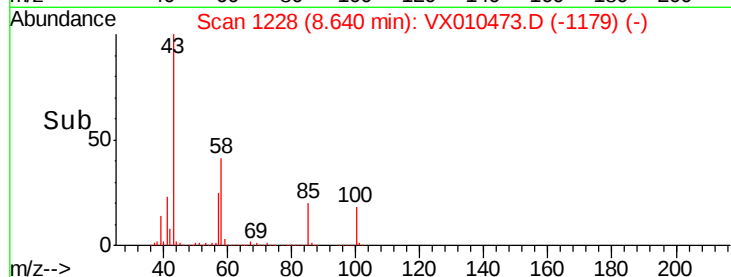
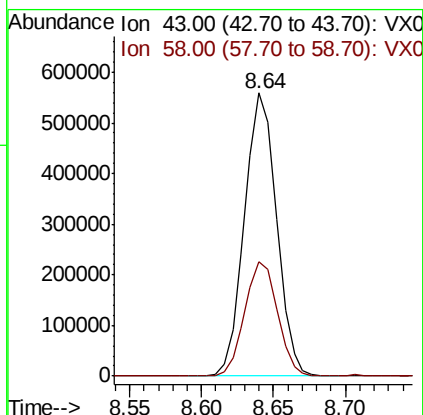
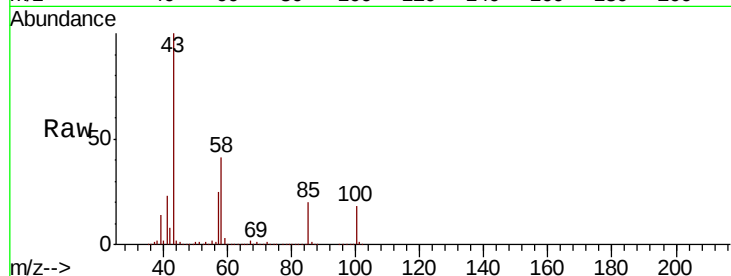




#51
4-Methyl-2-Pentanone
Concen: 262.739 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

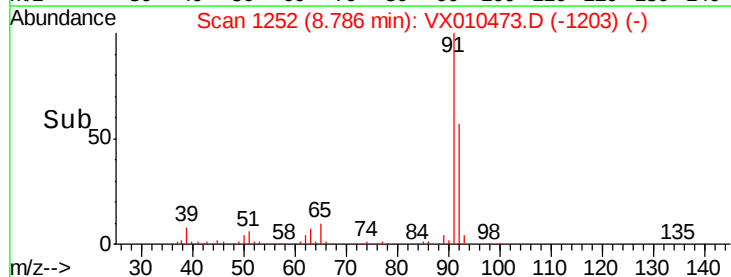
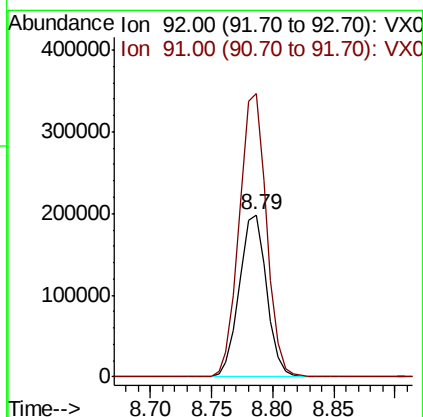
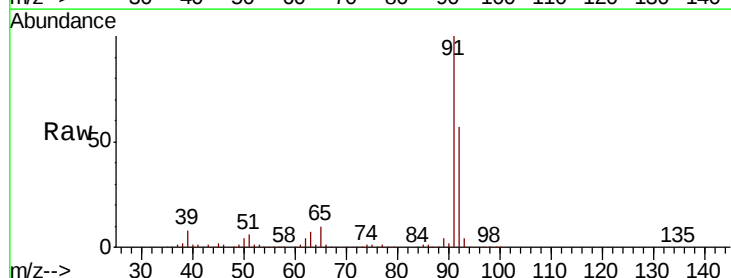
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

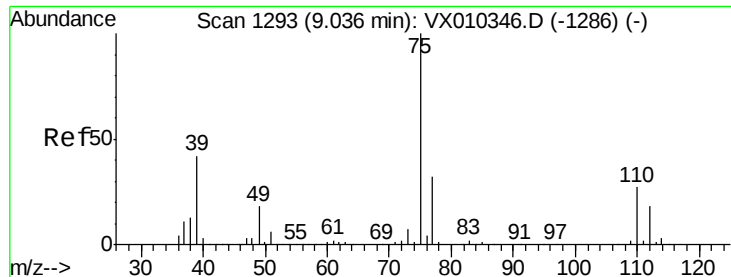
Tot Ion: 43 Resp: 862488
Ion Ratio Lower Upper
43 100
58 41.3 33.5 50.3



#52
Toluene
Concen: 49.573 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Tgt Ion: 92 Resp: 306706
Ion Ratio Lower Upper
92 100
91 173.9 139.8 209.6

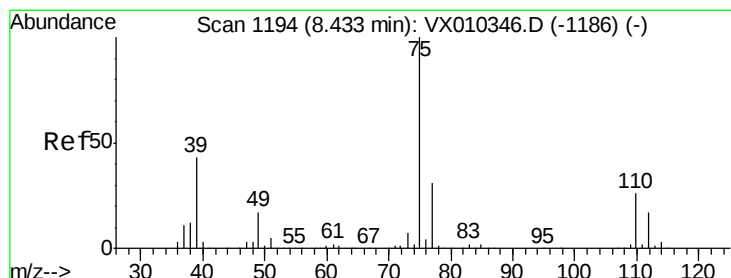
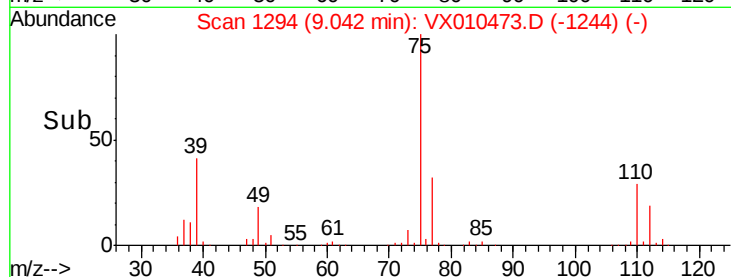
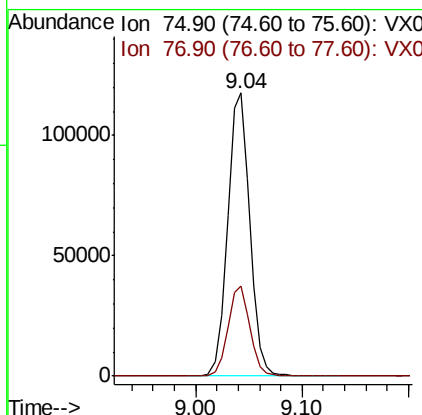
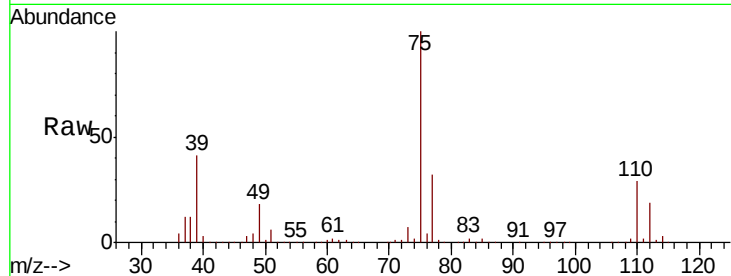




#53
 t-1,3-Dichloropropene
 Concen: 48.954 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

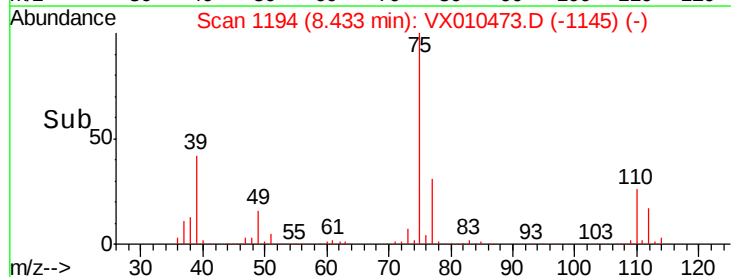
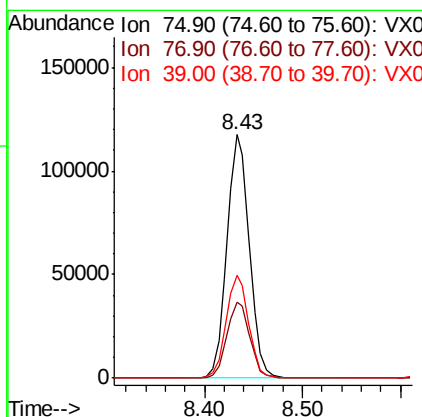
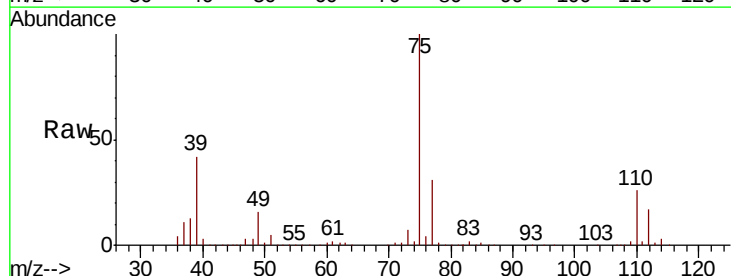
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

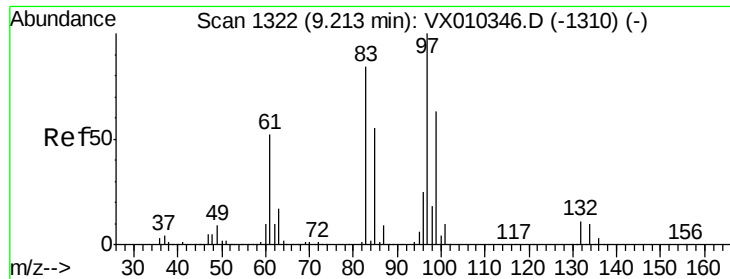
Tot Ion: 75 Resp: 171210
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 48.905 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

Tgt Ion: 75 Resp: 185872
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.2 37.8
 39 42.3 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 51.170 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 97 Resp: 130567

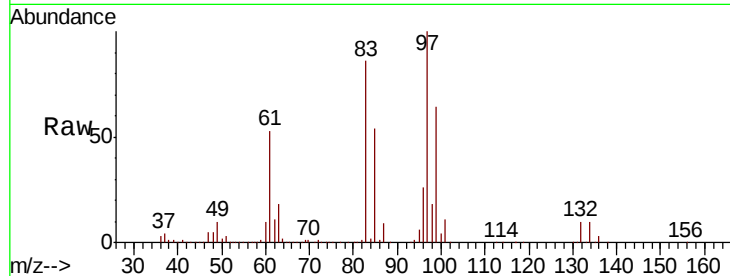
Ion Ratio Lower Upper

97 100

83 85.6 67.4 101.0

85 54.1 43.8 65.8

99 64.3 50.3 75.5

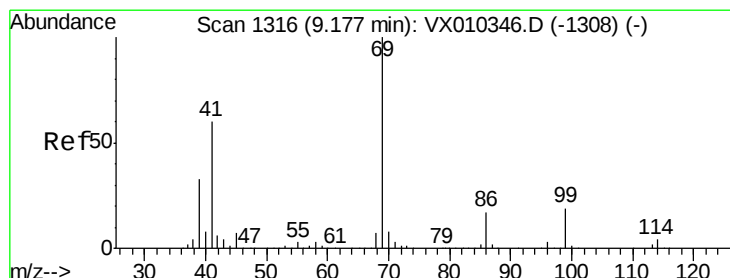
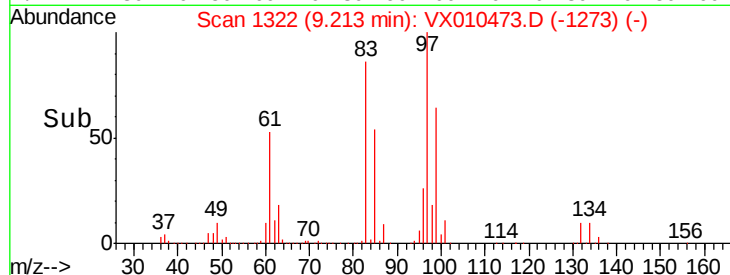
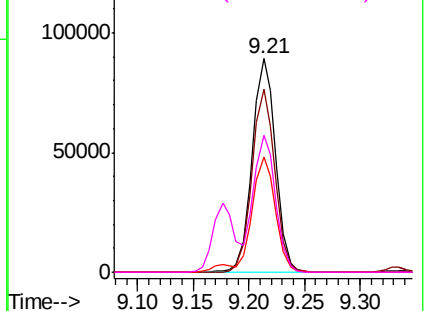


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 51.032 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

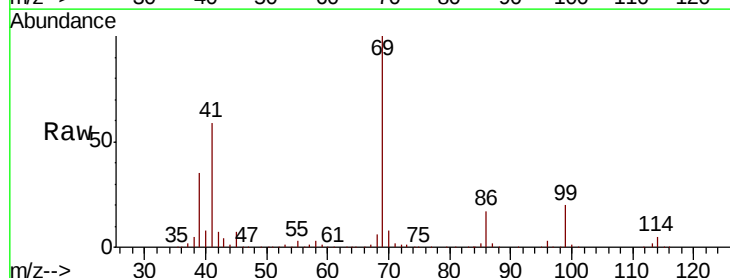
Tgt Ion: 69 Resp: 197257

Ion Ratio Lower Upper

69 100

41 59.5 47.1 70.7

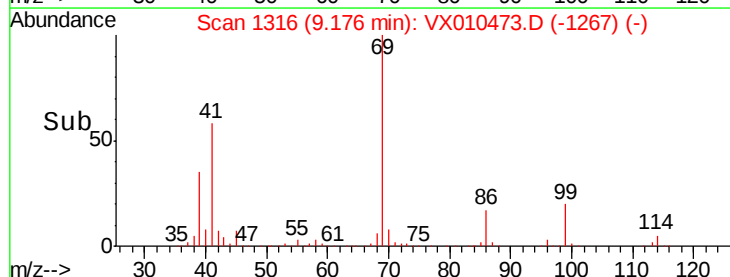
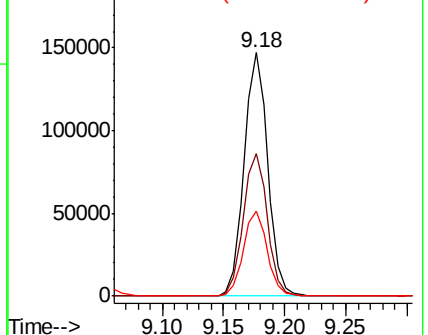
39 35.3 26.6 40.0

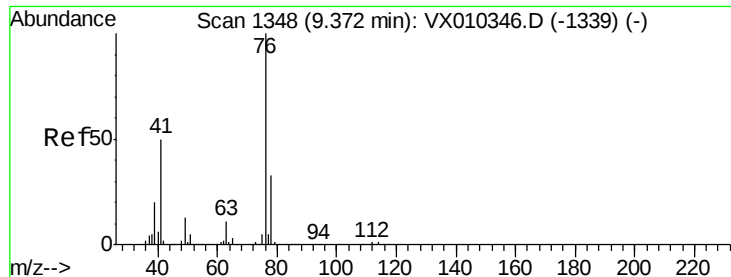


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.683 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

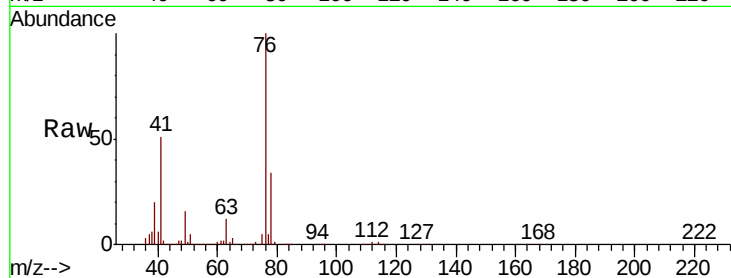
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 76 Resp: 200750

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

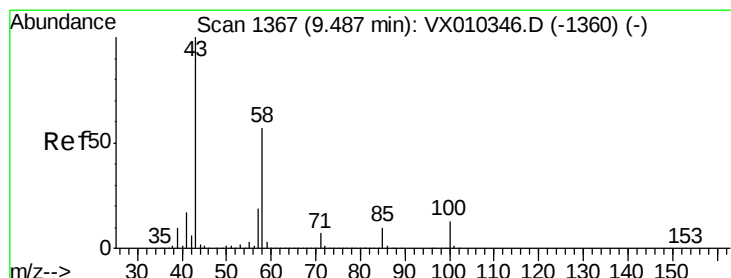
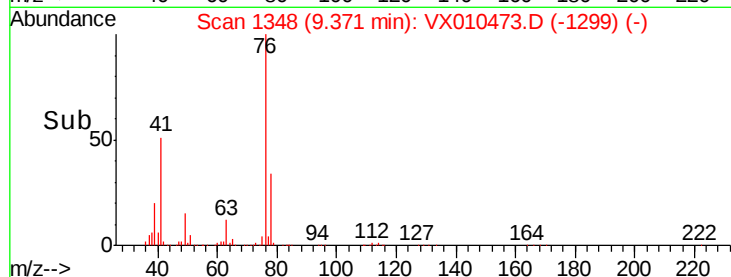
150000

100000

50000

0

Time--> 9.25 9.30 9.35 9.40 9.45



#59

2-Hexanone

Concen: 255.584 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX010473.D

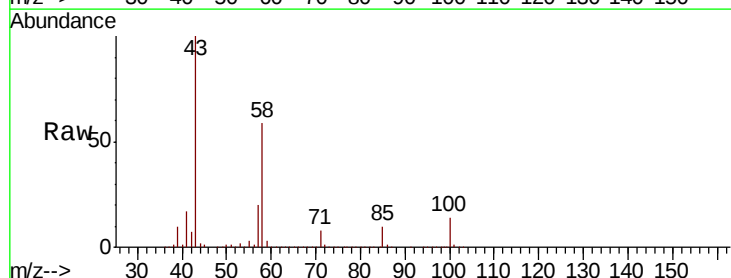
Acq: 26 Jun 2019 19:16

Tgt Ion: 43 Resp: 660324

Ion Ratio Lower Upper

43 100

58 57.3 29.0 87.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

500000

400000

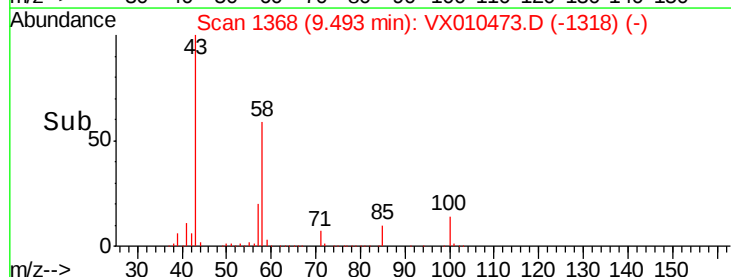
300000

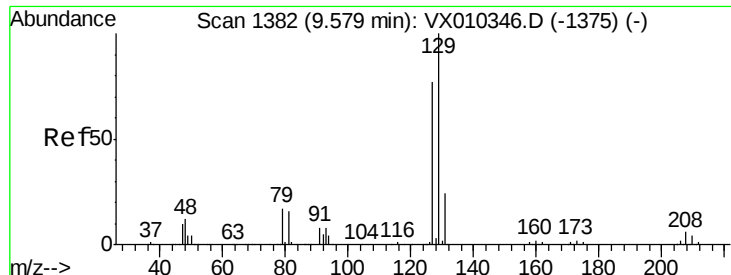
200000

100000

0

Time--> 9.40 9.50 9.60





#60

Dibromochloromethane

Concen: 50.920 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

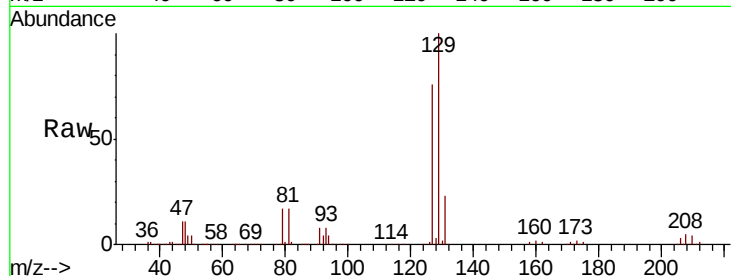
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:129 Resp: 145476

Ion Ratio Lower Upper

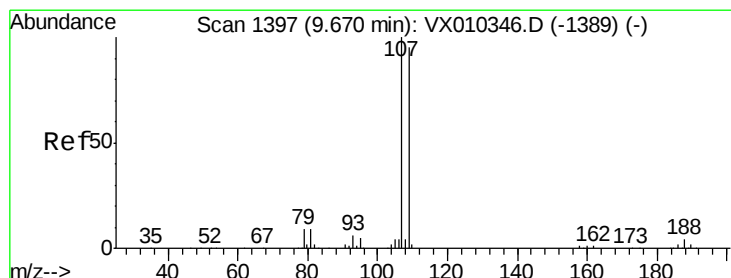
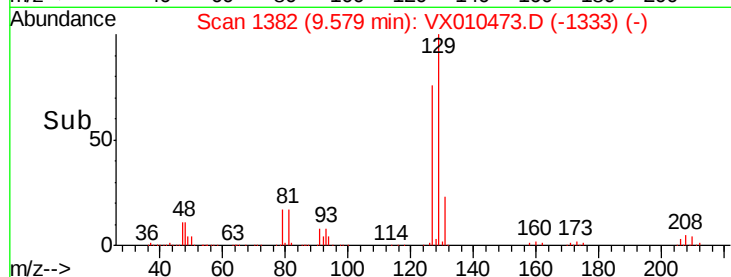
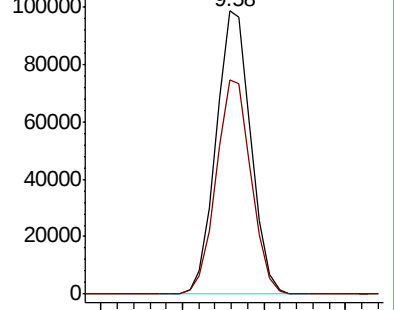
129 100

127 76.4 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 50.664 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010473.D

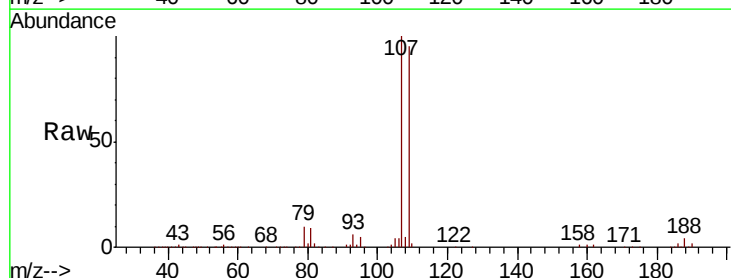
Acq: 26 Jun 2019 19:16

Tgt Ion:107 Resp: 139536

Ion Ratio Lower Upper

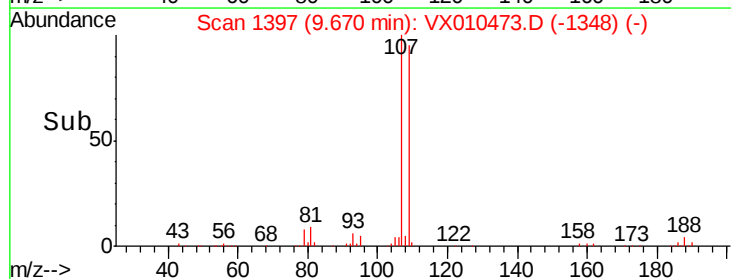
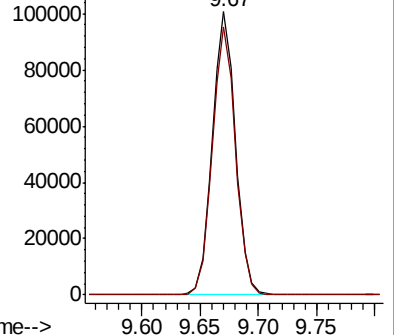
107 100

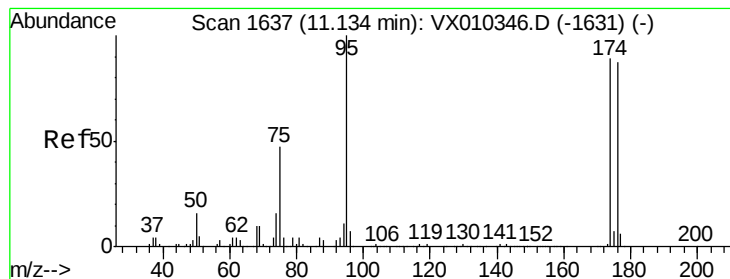
109 94.9 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 51.982 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

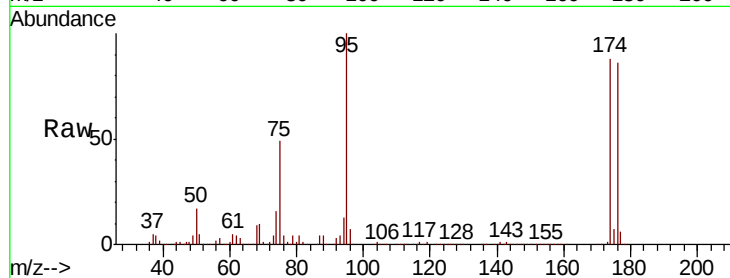
Tot Ion: 95 Resp: 166703

Ion Ratio Lower Upper

95 100

174 95.2 0.0 187.6

176 93.0 0.0 184.0

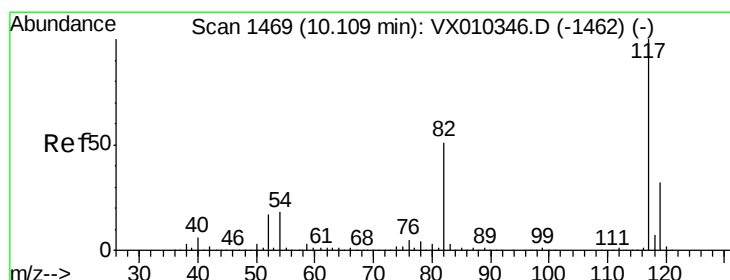
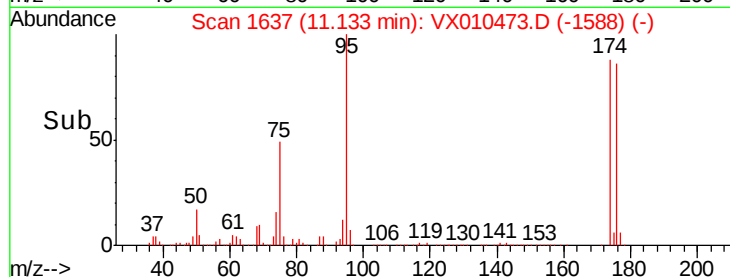


Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

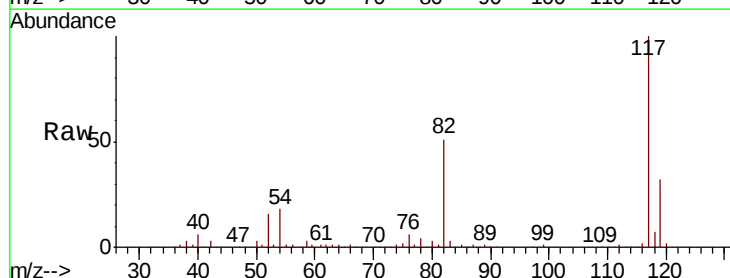
Tgt Ion: 117 Resp: 352168

Ion Ratio Lower Upper

117 100

82 50.7 41.2 61.8

119 32.3 25.5 38.3

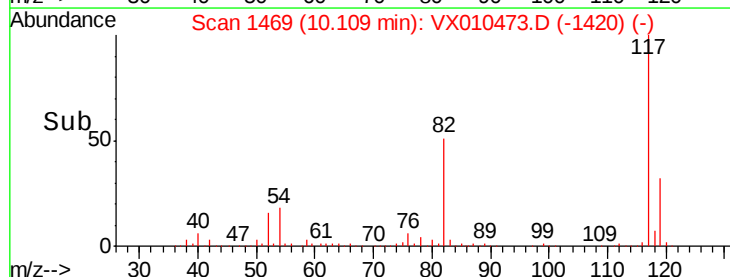


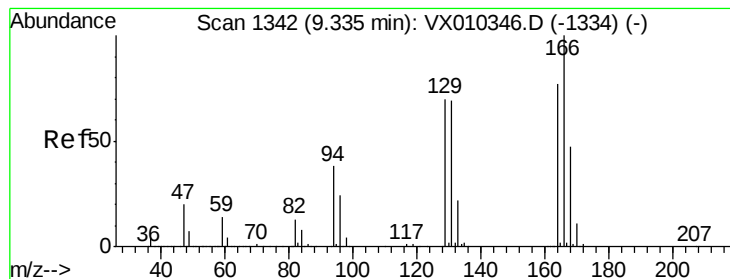
Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

Time-->





#64

Tetrachloroethene

Concen: 45.372 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:164 Resp: 129239

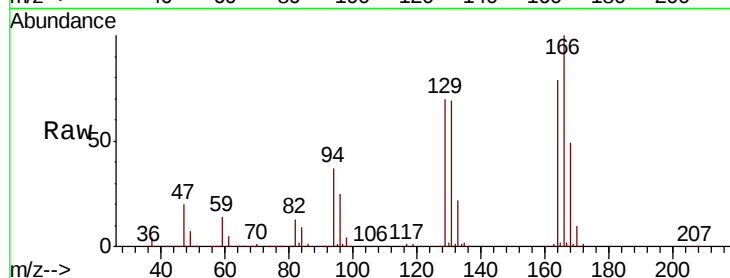
Ion Ratio Lower Upper

164 100

166 126.4 103.6 155.4

129 88.7 73.0 109.4

131 87.3 71.0 106.4

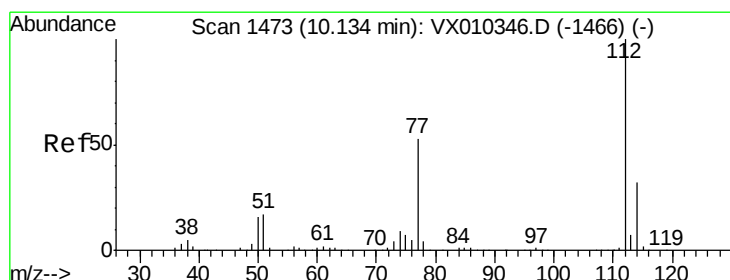
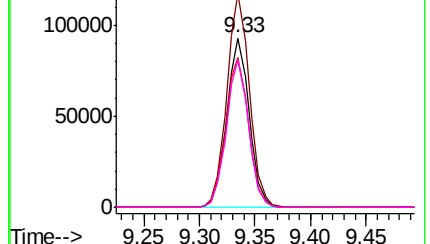
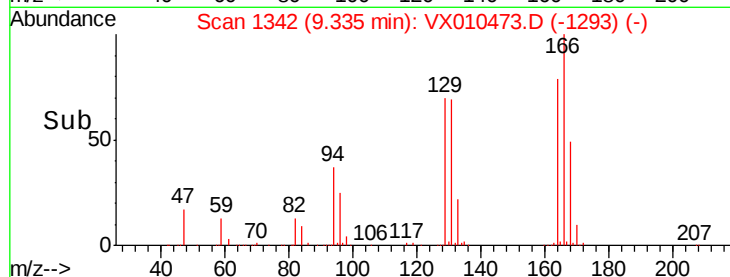


Abundance Ion 163.80 (163.50 to 164.50): V

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: 48.716 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010473.D

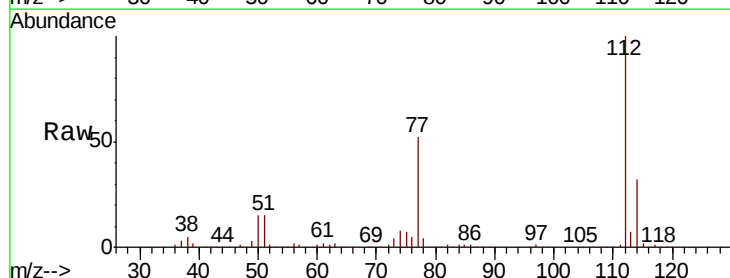
Acq: 26 Jun 2019 19:16

Tgt Ion:112 Resp: 348306

Ion Ratio Lower Upper

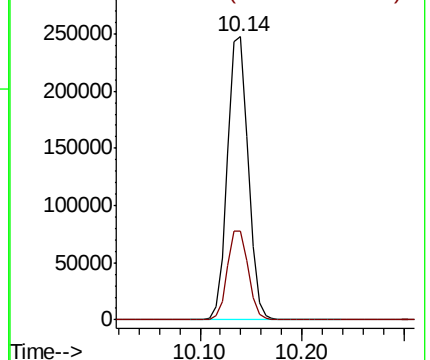
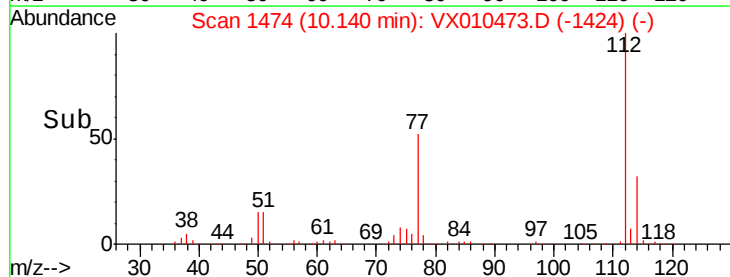
112 100

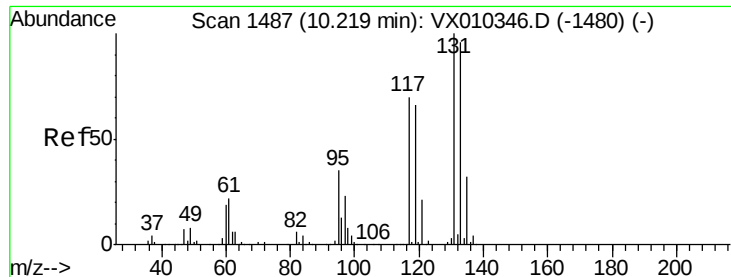
114 31.6 25.4 38.2



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: 50.043 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

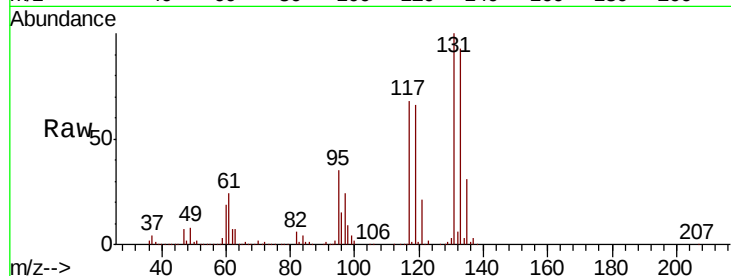
Tot Ion:131 Resp: 130327

Ion Ratio Lower Upper

131 100

133 95.7 47.7 143.1

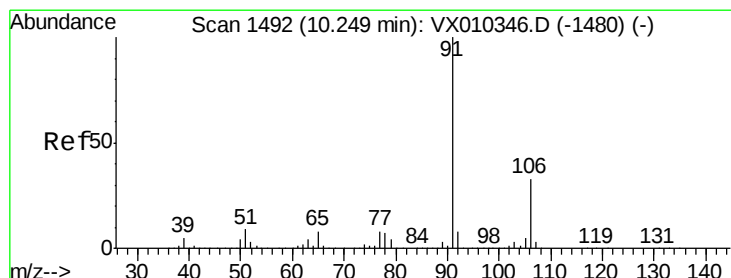
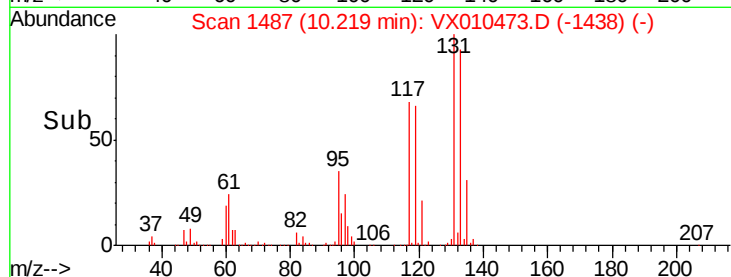
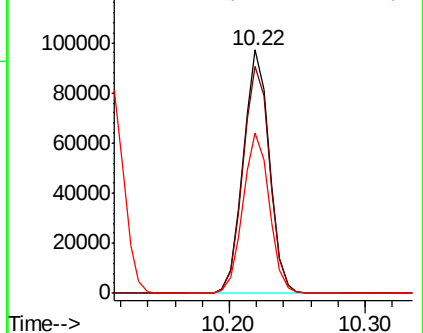
119 66.6 32.6 97.7



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: 49.207 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010473.D

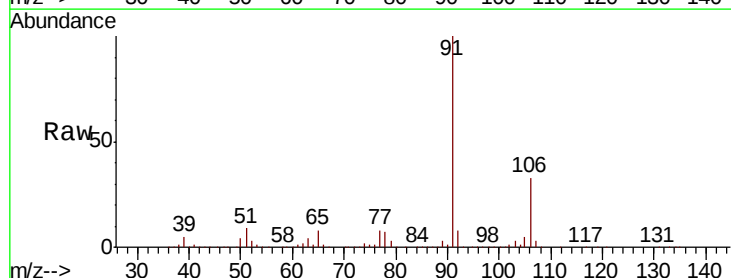
Acq: 26 Jun 2019 19:16

Tgt Ion: 91 Resp: 593942

Ion Ratio Lower Upper

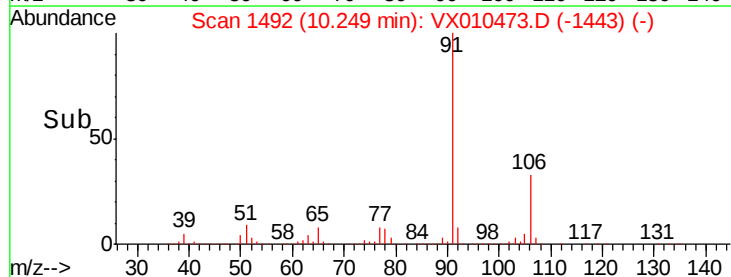
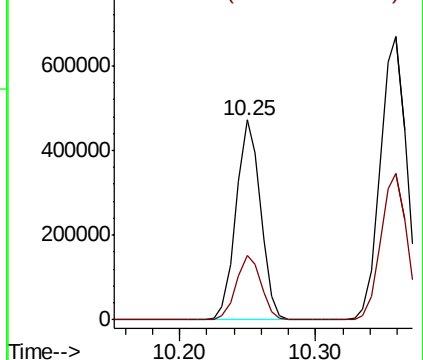
91 100

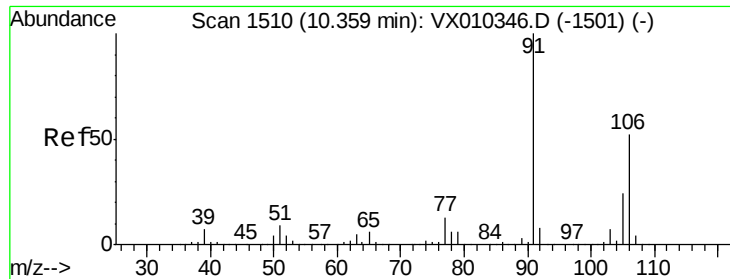
106 32.6 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

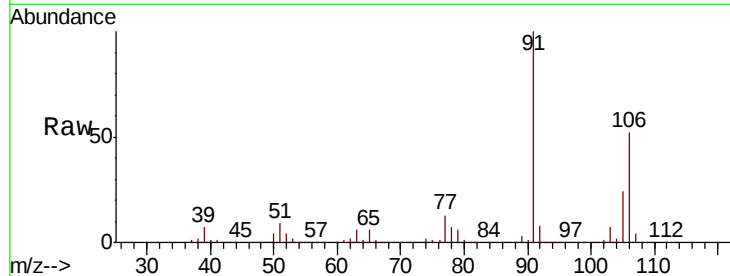




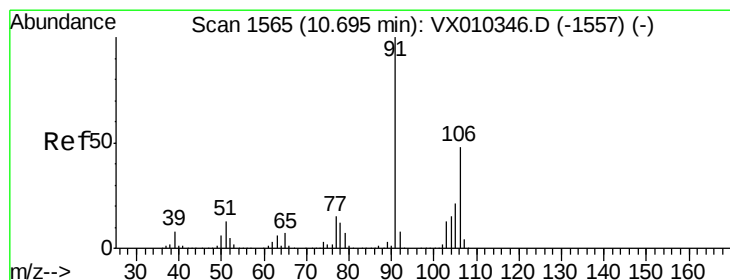
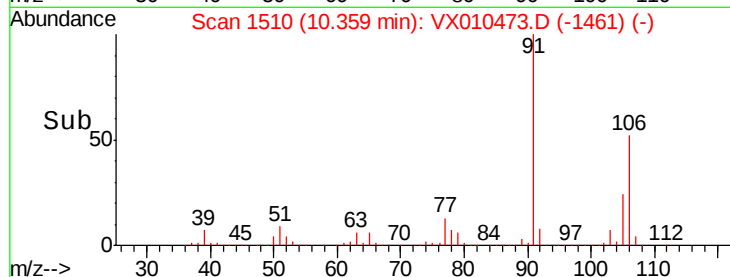
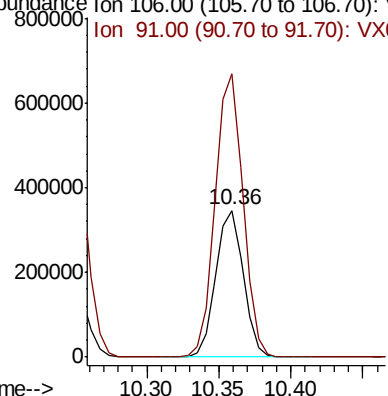
#68
m/p-Xylenes
Concen: 98.169 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:106 Resp: 459130
Ion Ratio Lower Upper
106 100
91 194.8 155.3 232.9

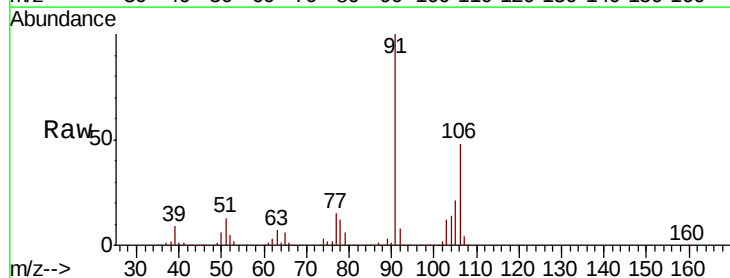


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

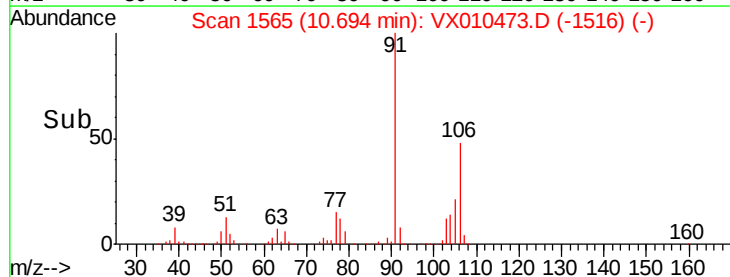
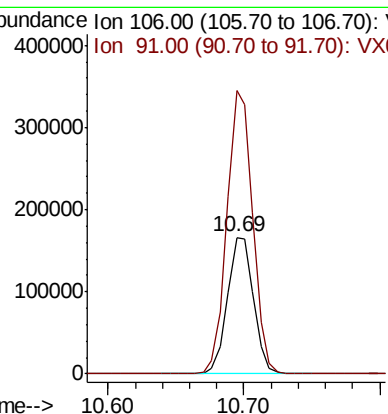


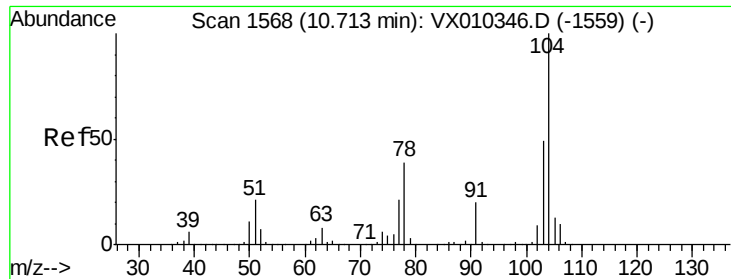
#69
o-Xylene
Concen: 48.797 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Tgt Ion:106 Resp: 224434
Ion Ratio Lower Upper
106 100
91 205.0 102.7 308.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 49.777 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

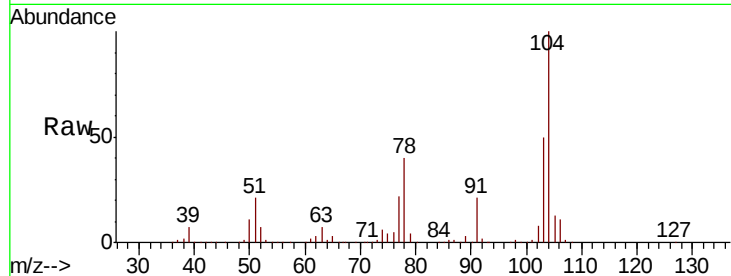
Tot Ion:104 Resp: 383945

Ion Ratio Lower Upper

104 100

78 46.4 36.2 54.2

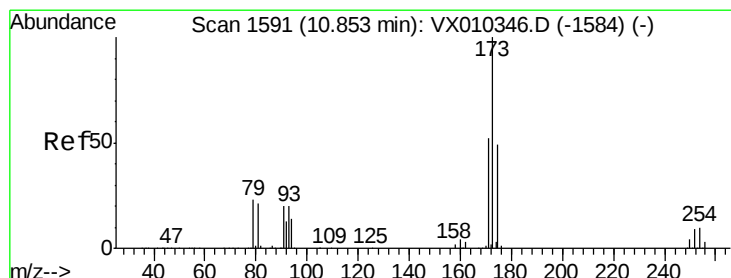
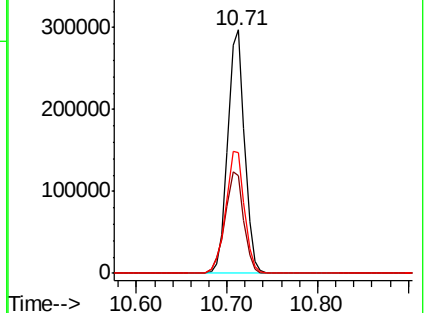
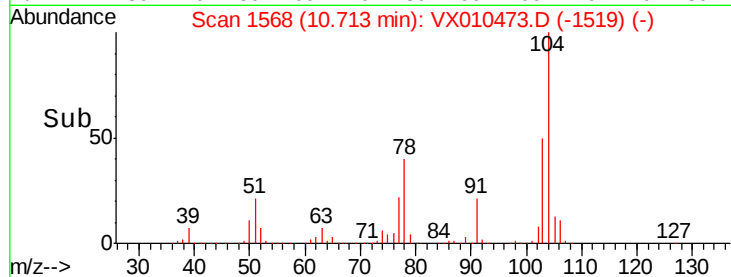
103 55.3 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 50.357 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

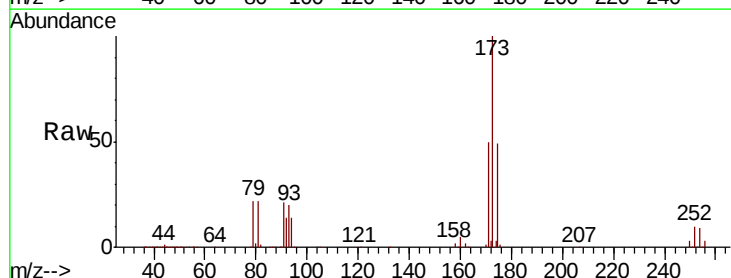
Tgt Ion:173 Resp: 114046

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.3

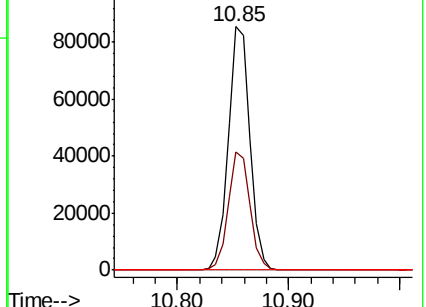
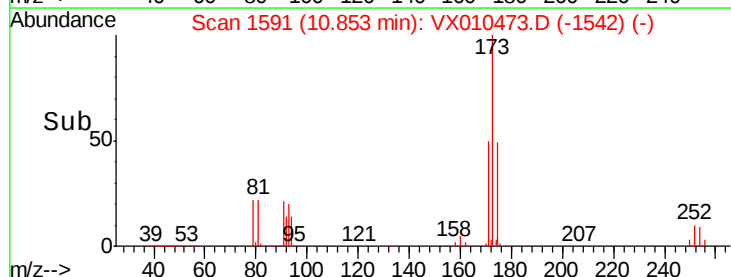
254 0.2 0.2 0.2#

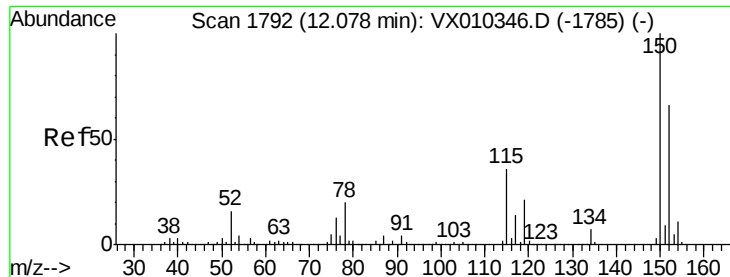


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



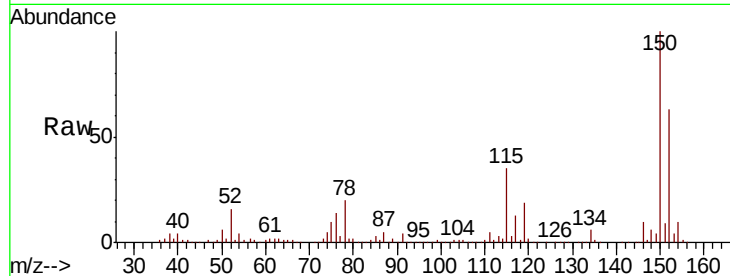


#72

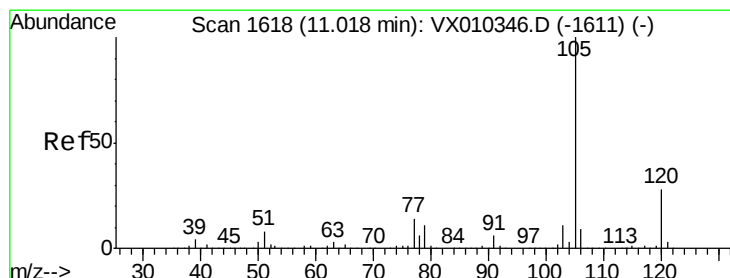
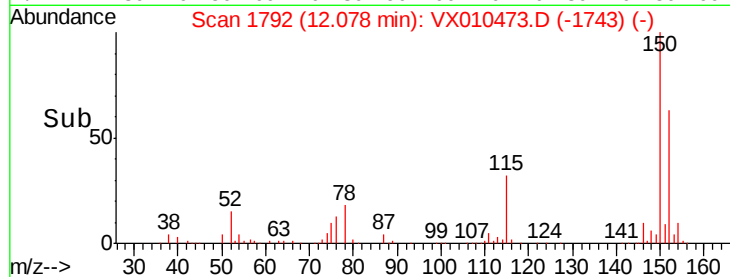
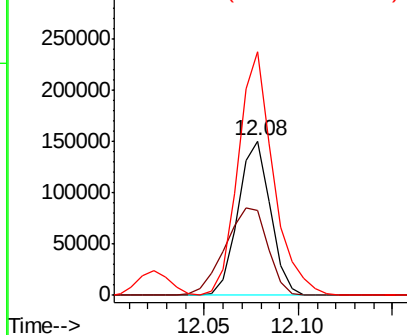
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:152 Resp: 179486
Ion Ratio Lower Upper
152 100
115 75.7 38.6 115.7
150 170.9 0.0 347.4



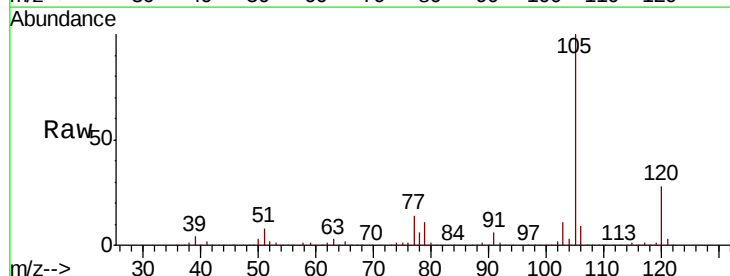
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



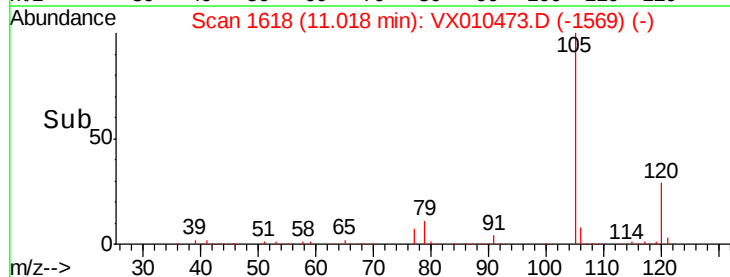
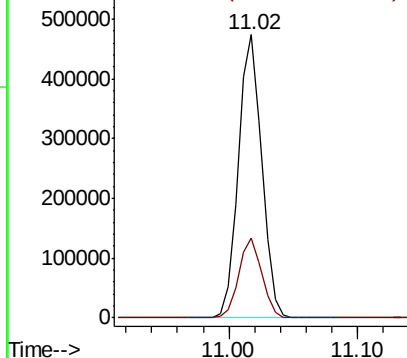
#73

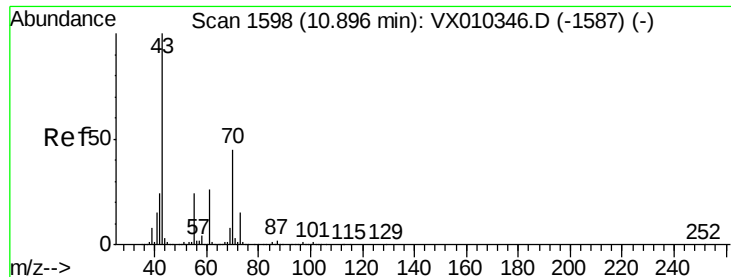
Isopropylbenzene
Concen: 48.940 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Tgt Ion:105 Resp: 595454
Ion Ratio Lower Upper
105 100
120 27.7 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.586 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 43 Resp: 218808

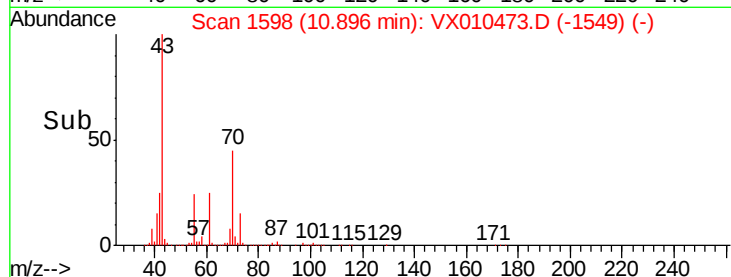
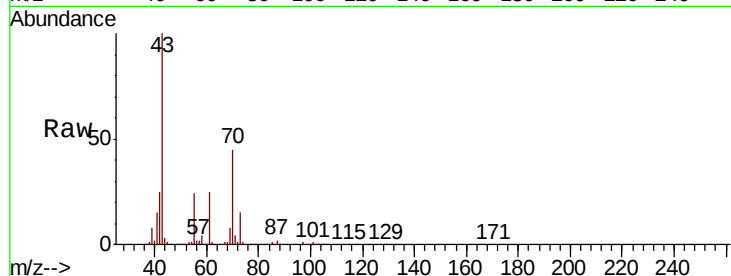
Ion Ratio Lower Upper

43 100

70 45.0 36.6 54.8

55 23.5 18.7 28.1

61 25.7 20.6 31.0

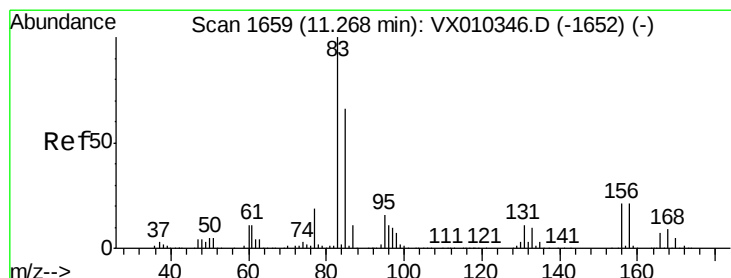
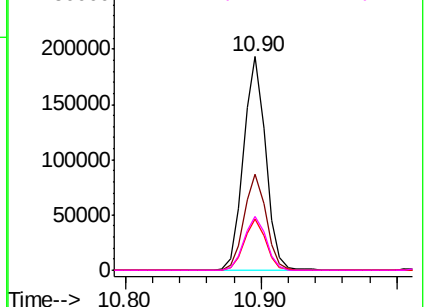


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 49.859 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

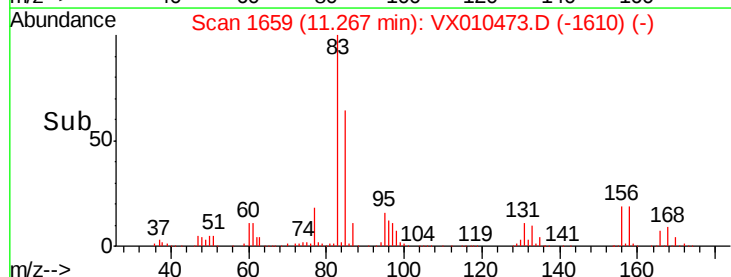
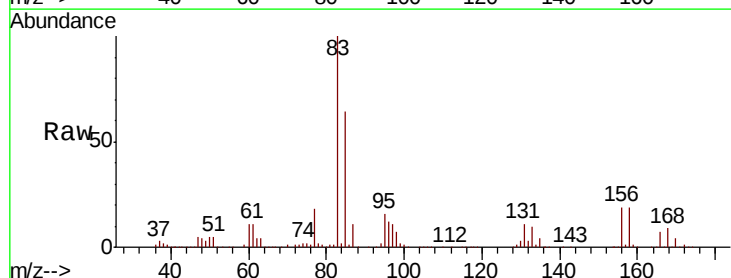
Tgt Ion: 83 Resp: 200900

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

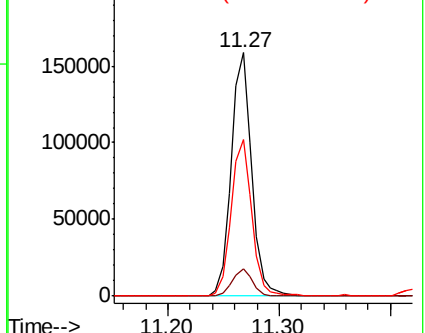
85 65.1 32.3 96.8

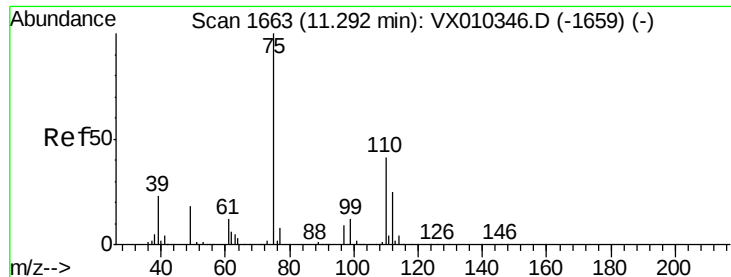


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

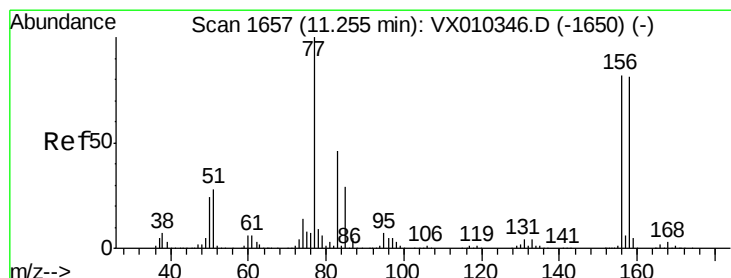
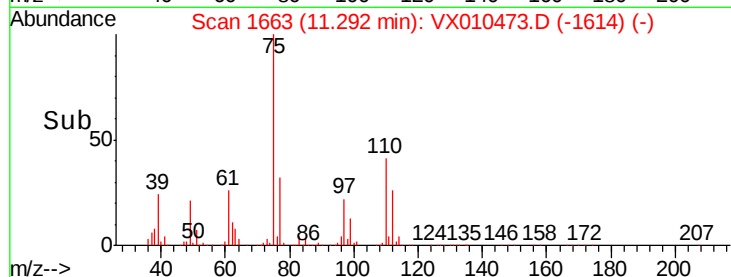
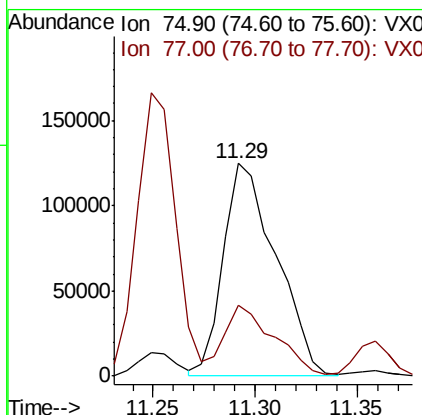
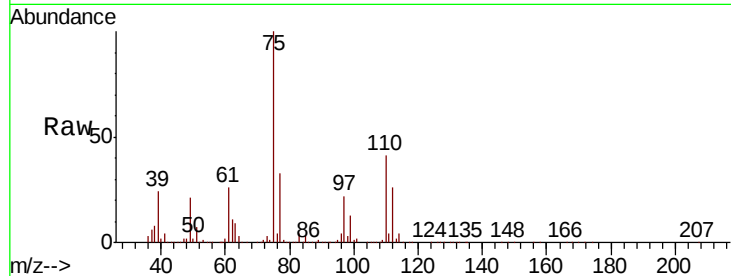




#76
 1,2,3-Trichloropropane
 Concen: 68.541 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

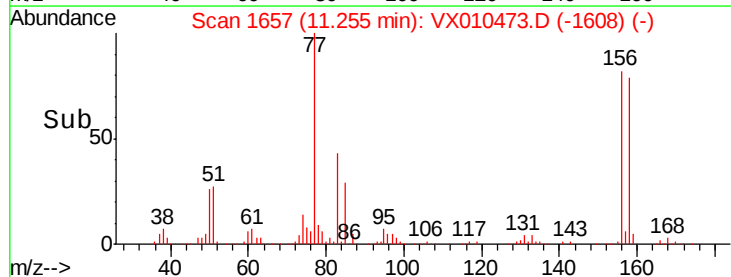
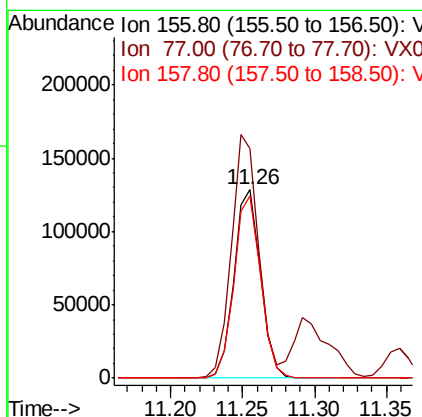
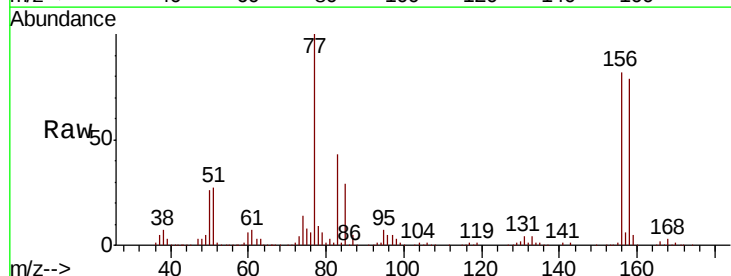
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

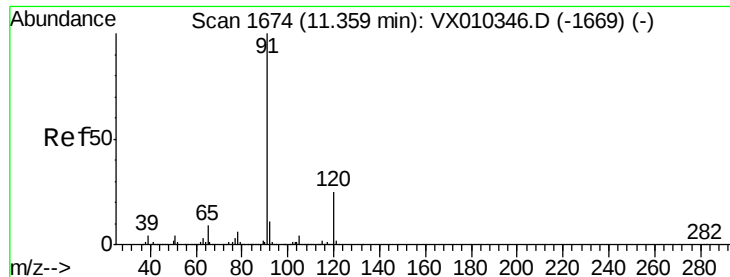
Tot Ion: 75 Resp: 224178
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.6 67.8



#77
 Bromobenzene
 Concen: 48.845 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

Tgt Ion: 156 Resp: 165943
 Ion Ratio Lower Upper
 156 100
 77 131.4 66.3 198.7
 158 96.9 48.9 146.7





#78

n-propylbenzene

Concen: 49.324 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

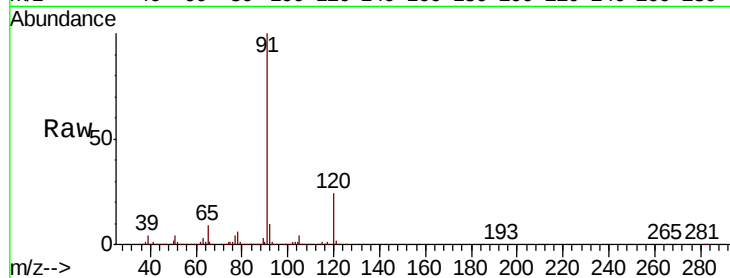
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 91 Resp: 659554

Ion Ratio Lower Upper

91 100

120 24.7 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

600000

500000

400000

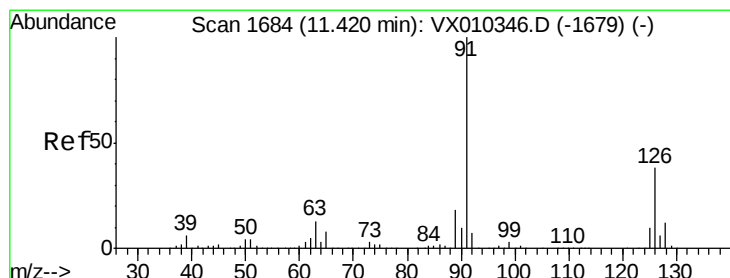
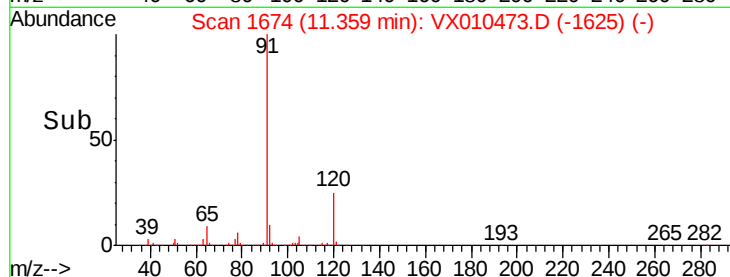
300000

200000

100000

0

Time--> 11.30 11.35 11.40



#79

2-Chlorotoluene

Concen: 48.770 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010473.D

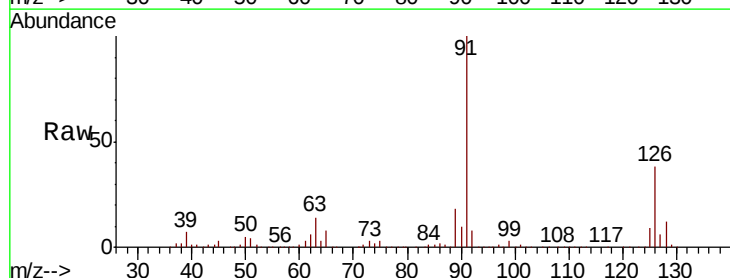
Acq: 26 Jun 2019 19:16

Tgt Ion: 91 Resp: 388339

Ion Ratio Lower Upper

91 100

126 37.7 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.42

600000

500000

400000

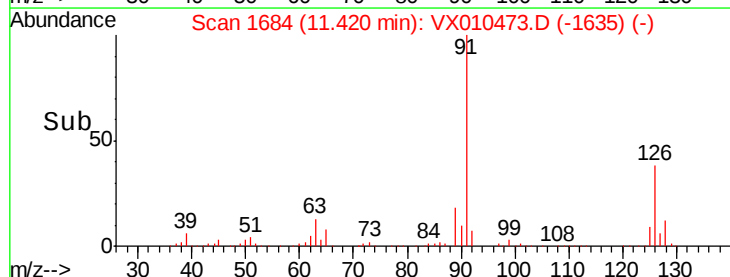
300000

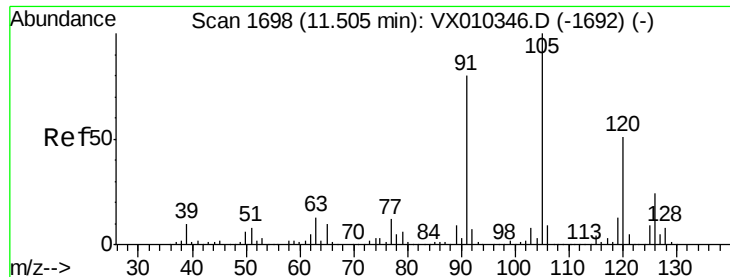
200000

100000

0

Time--> 11.40 11.45

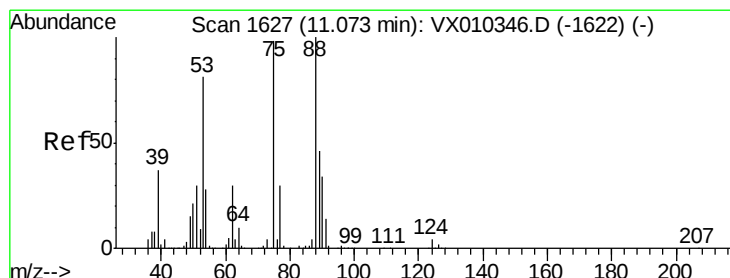
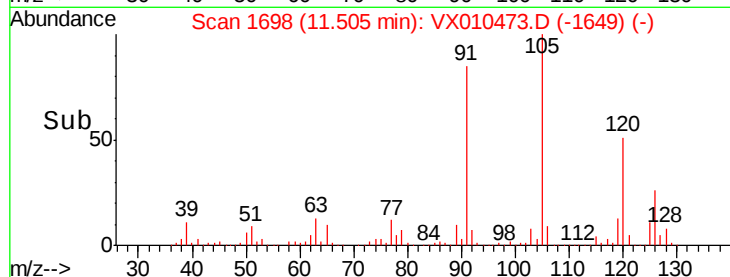
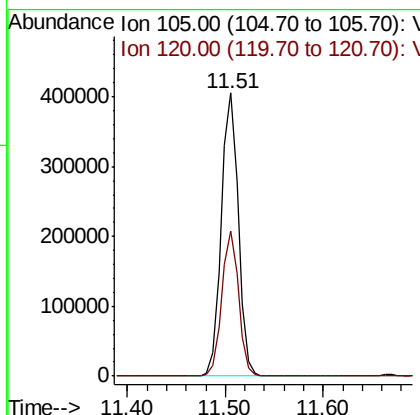
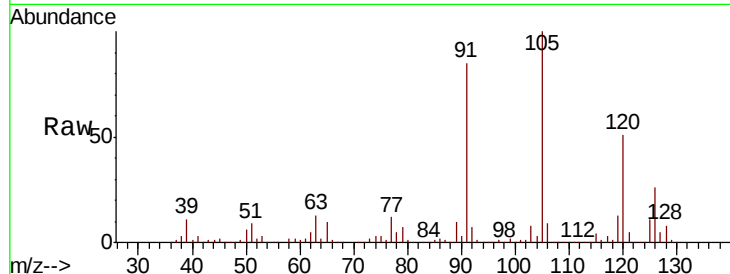




#80
 1,3,5-Trimethylbenzene
 Concen: 48.635 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

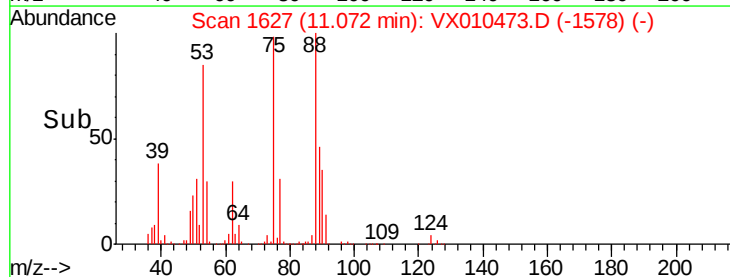
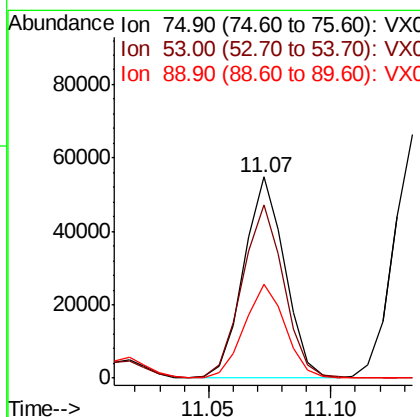
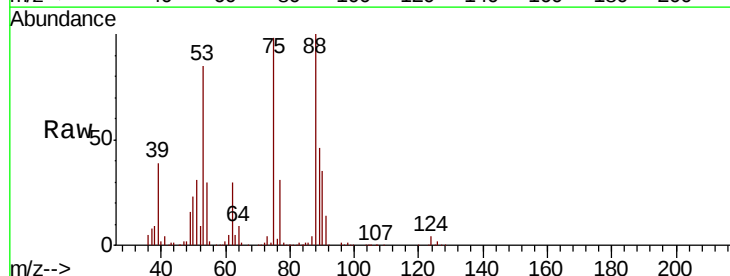
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

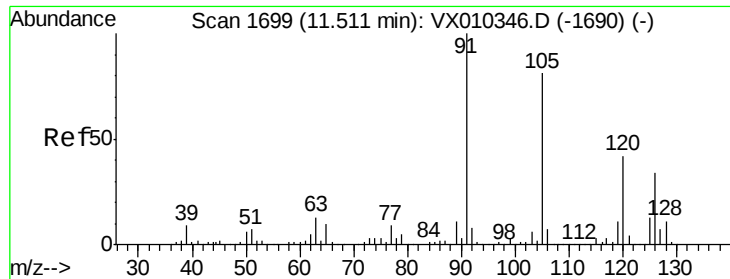
Tot Ion:105 Resp: 487822
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.2 75.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.584 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

Tgt Ion: 75 Resp: 63909
 Ion Ratio Lower Upper
 75 100
 53 87.7 66.1 99.1
 89 47.1 37.8 56.6

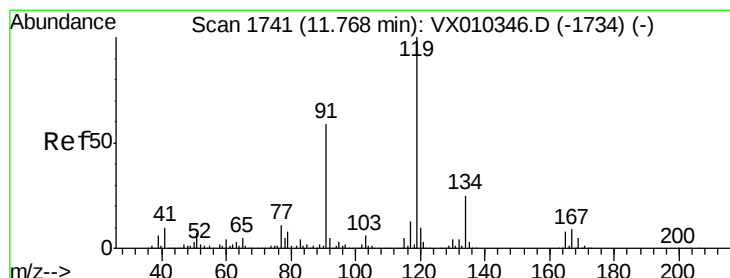
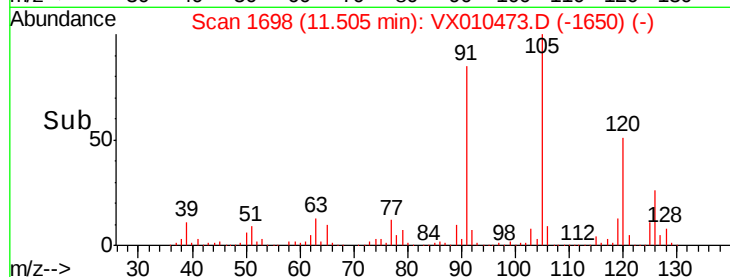
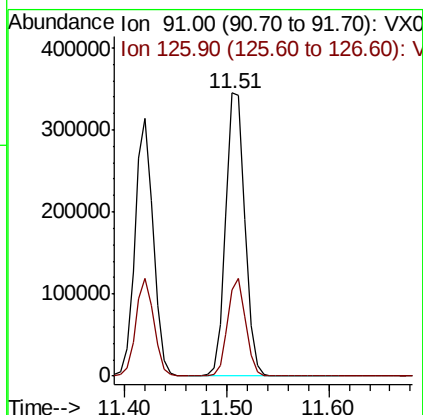
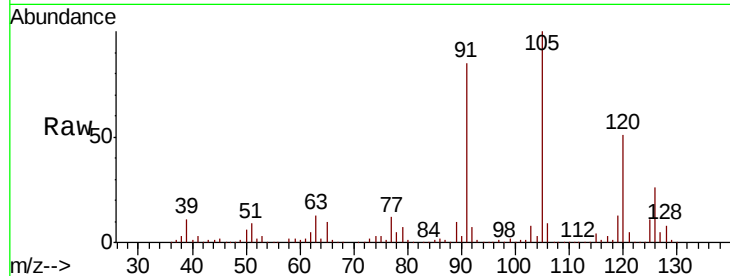




#82
4-Chlorotoluene
Concen: 49.462 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

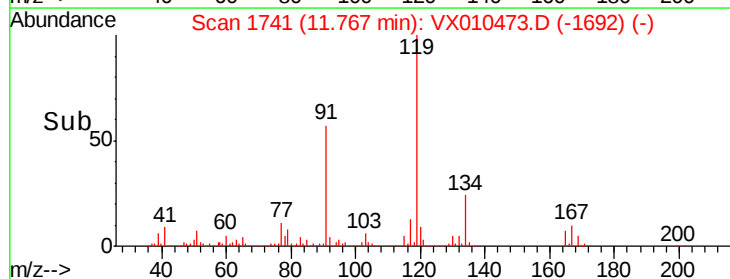
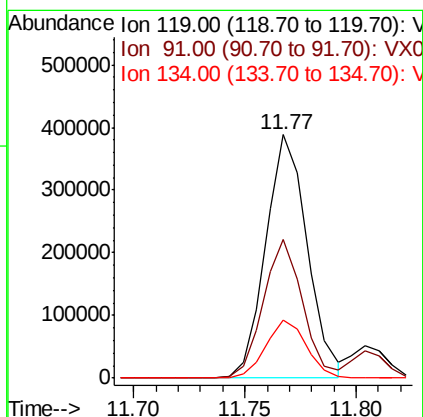
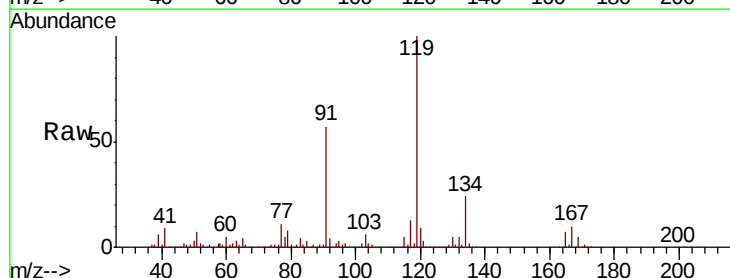
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

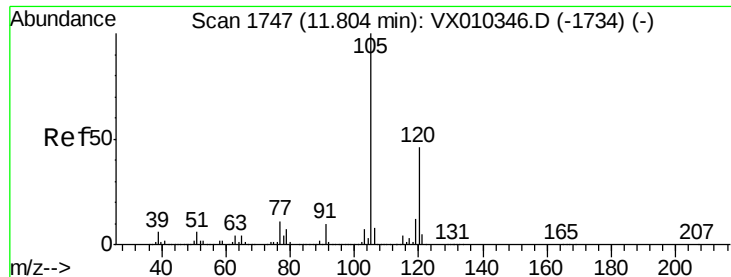
Tot Ion: 91 Resp: 448164
Ion Ratio Lower Upper
91 100
126 32.3 16.2 48.6



#83
tert-Butylbenzene
Concen: 49.926 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Tgt Ion: 119 Resp: 502608
Ion Ratio Lower Upper
119 100
91 54.0 27.6 82.7
134 23.2 11.8 35.4

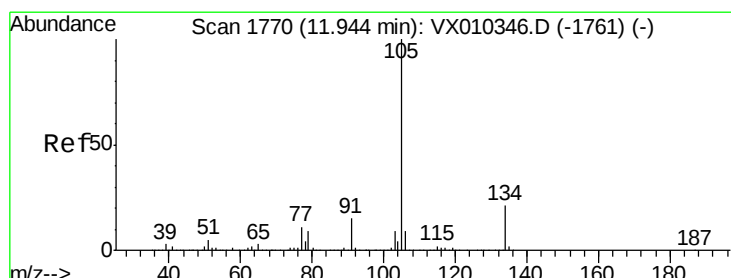
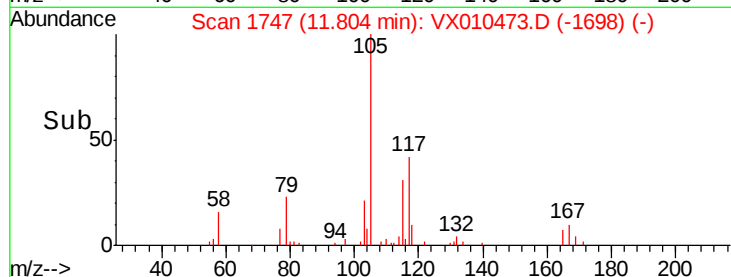
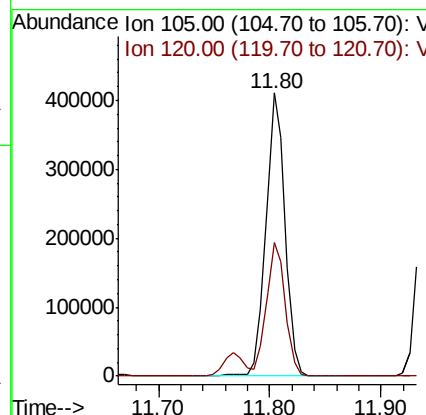
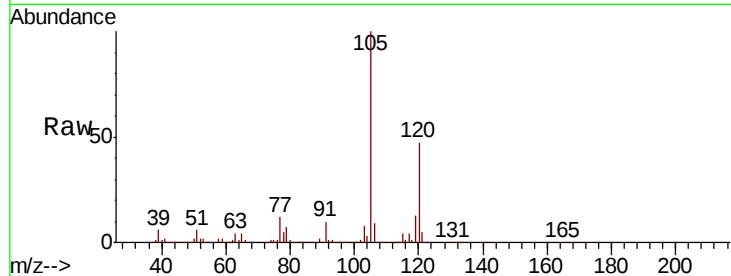




#84
 1,2,4-Trimethylbenzene
 Concen: 49.062 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

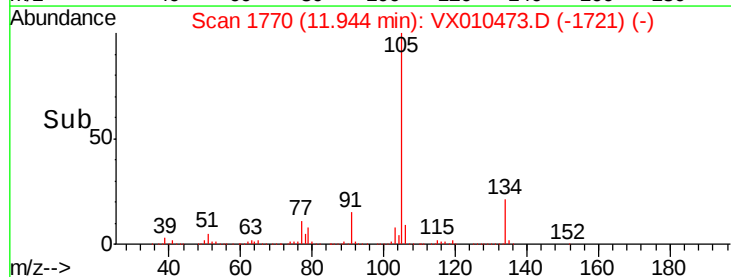
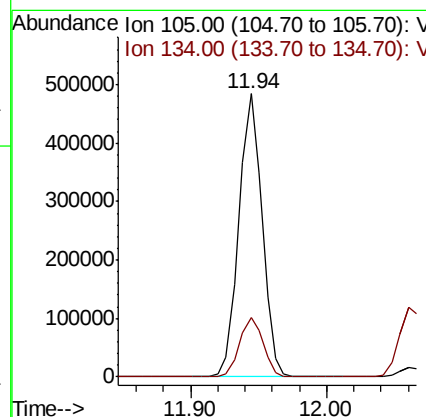
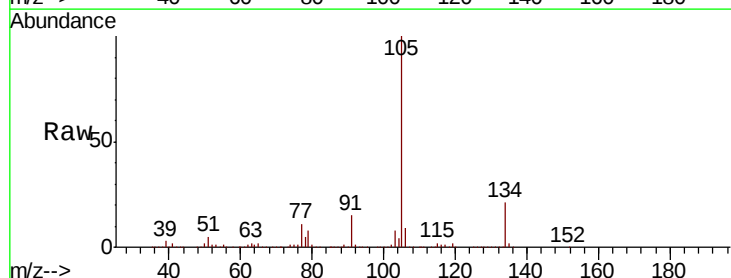
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

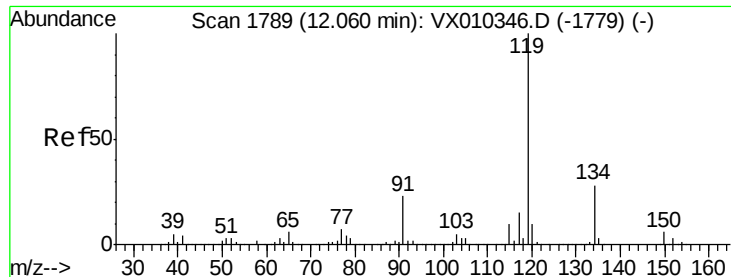
Tot Ion:105 Resp: 494403
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 48.650 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

Tgt Ion:105 Resp: 575052
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.7 31.9

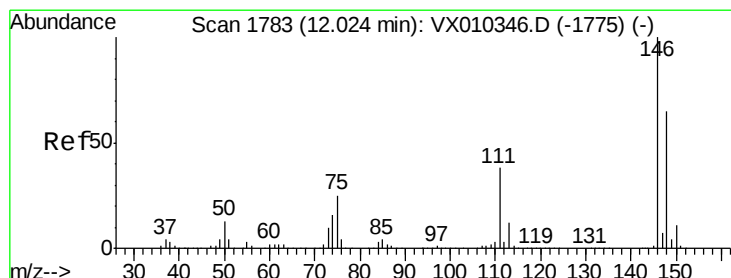
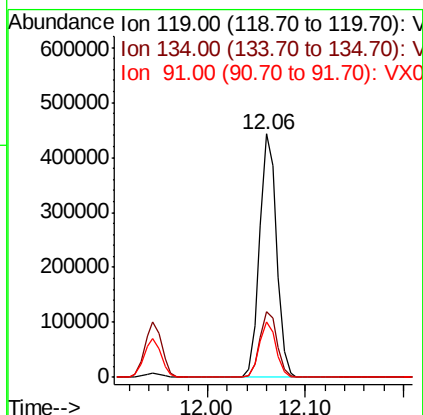
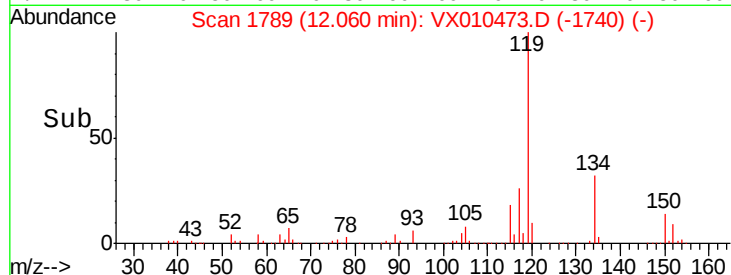
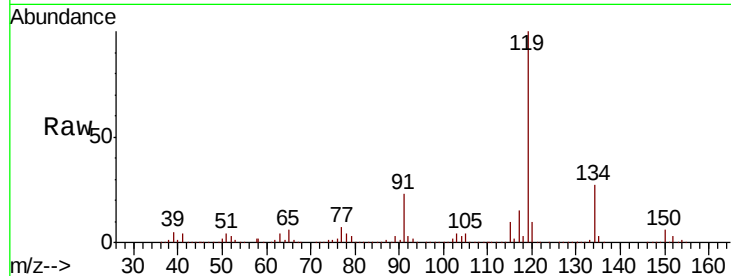




#86
p-Isopropyltoluene
Concen: 48.630 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

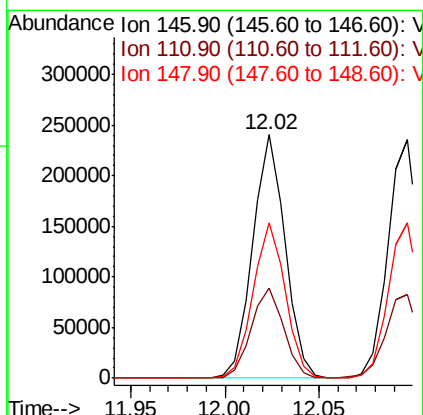
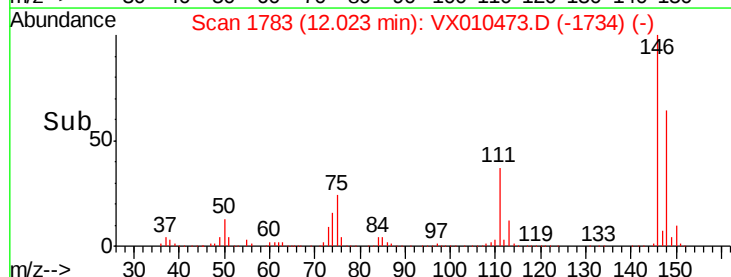
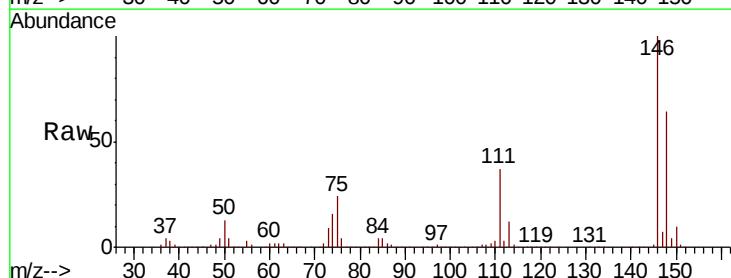
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

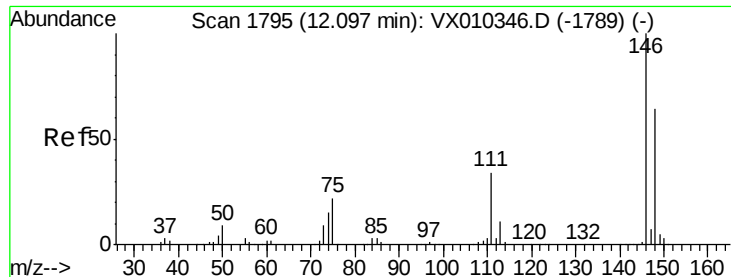
Tot Ion:119 Resp: 531686
Ion Ratio Lower Upper
119 100
134 27.5 13.7 41.1
91 22.5 11.3 33.8



#87
1,3-Dichlorobenzene
Concen: 48.353 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Tgt Ion:146 Resp: 286750
Ion Ratio Lower Upper
146 100
111 37.2 19.1 57.1
148 63.8 32.5 97.4





#88

1,4-Dichlorobenzene

Concen: 47.436 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

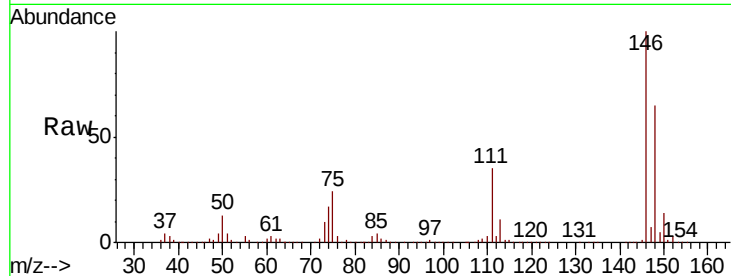
Tot Ion:146 Resp: 286390

Ion Ratio Lower Upper

146 100

111 36.7 18.1 54.3

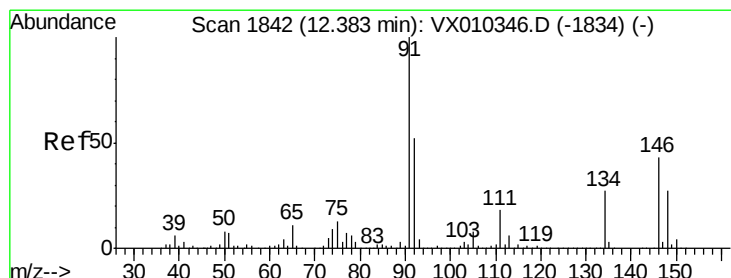
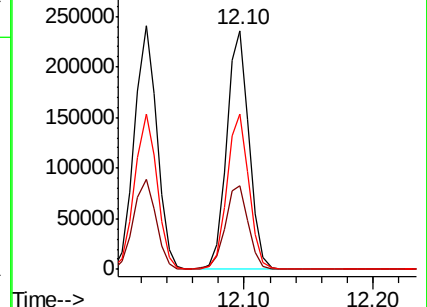
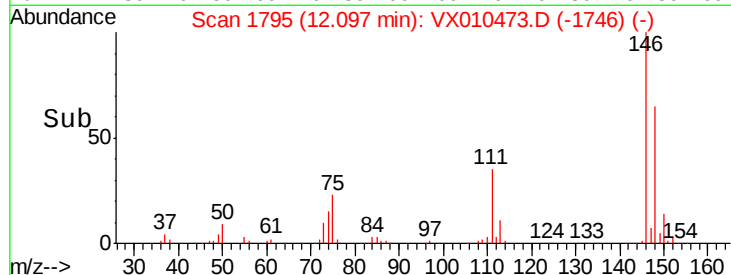
148 64.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 47.670 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

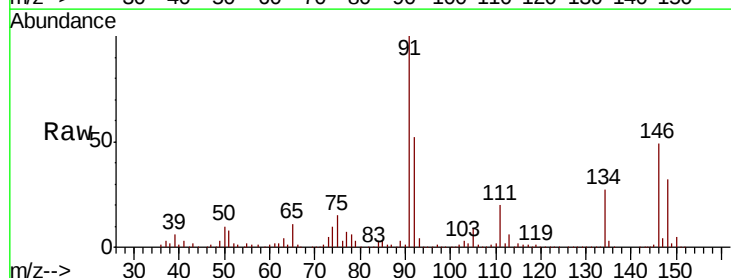
Tgt Ion: 91 Resp: 442881

Ion Ratio Lower Upper

91 100

92 52.5 26.2 78.5

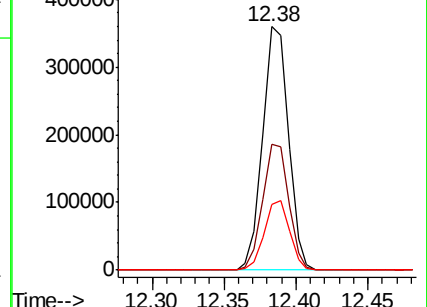
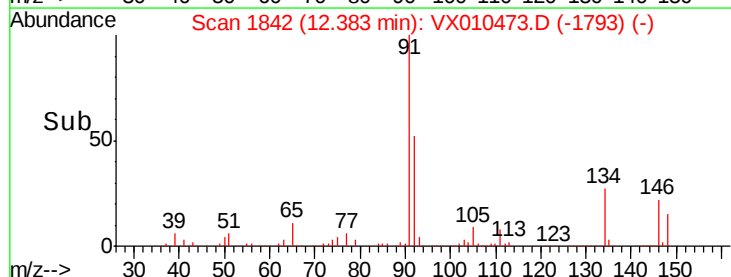
134 28.0 14.1 42.4

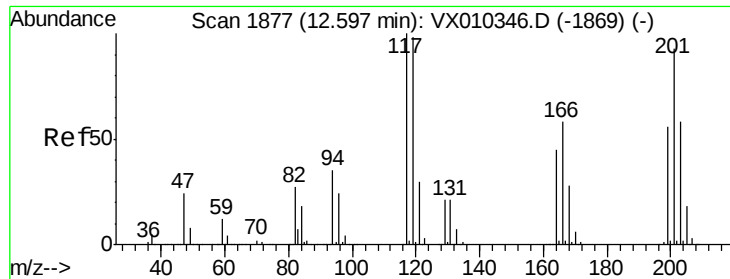


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

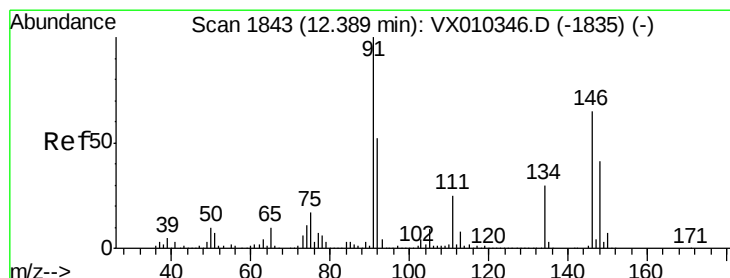
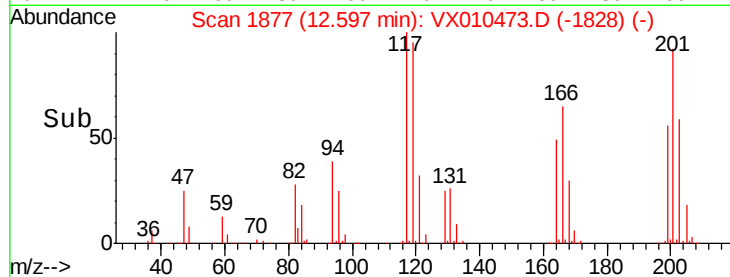
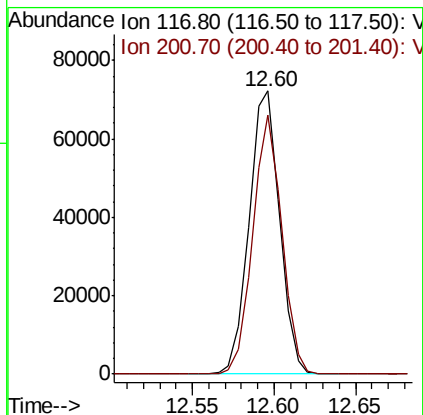
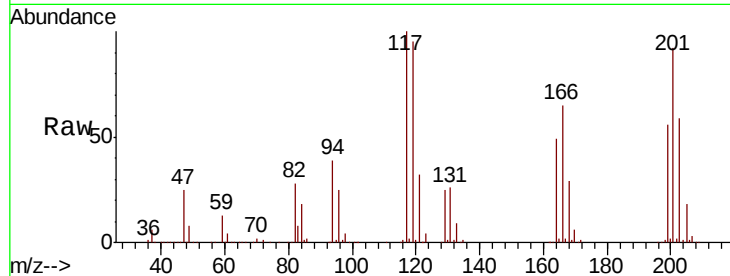




#90
Hexachloroethane
Concen: 49.757 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

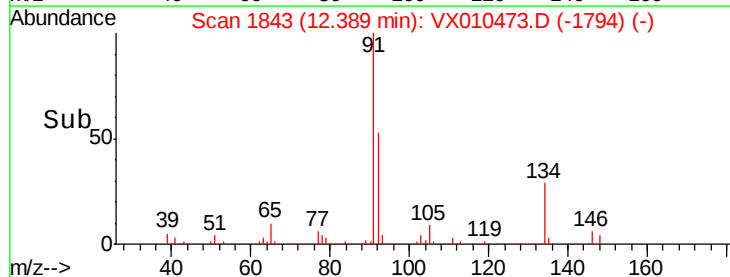
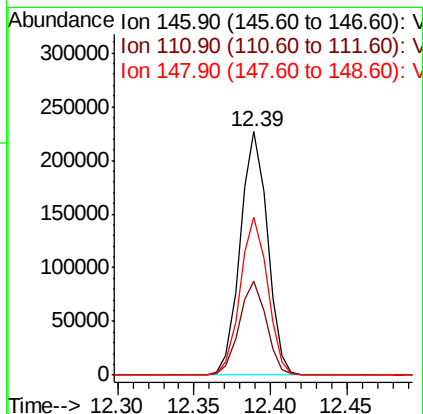
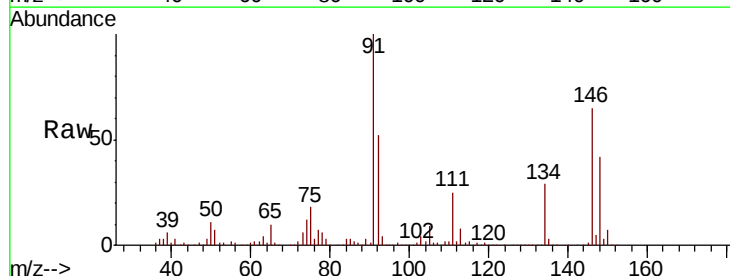
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

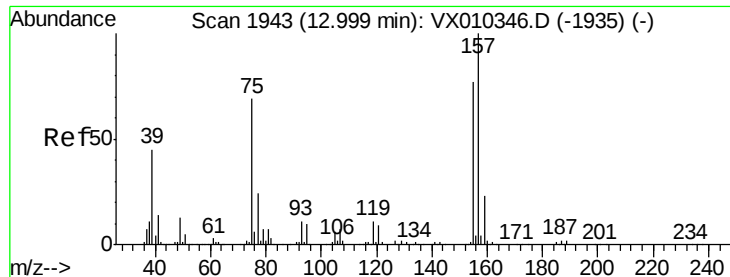
Tot Ion:117 Resp: 94067
Ion Ratio Lower Upper
117 100
201 87.2 44.0 131.8



#91
1,2-Dichlorobenzene
Concen: 47.580 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Tgt Ion:146 Resp: 280437
Ion Ratio Lower Upper
146 100
111 38.3 19.2 57.6
148 64.9 32.0 96.0

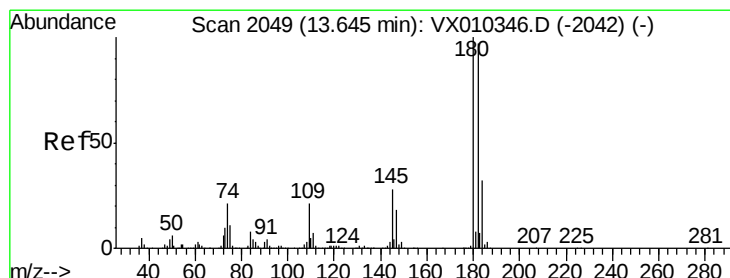
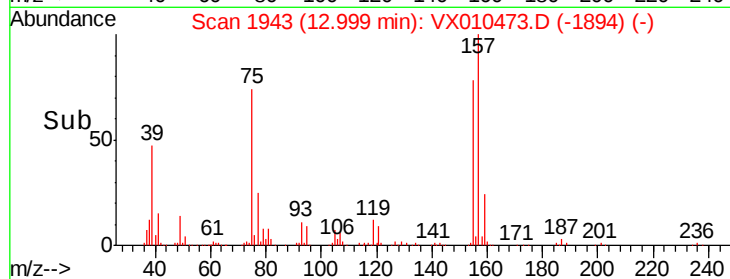
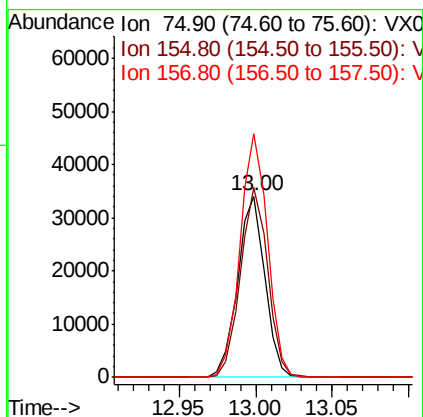
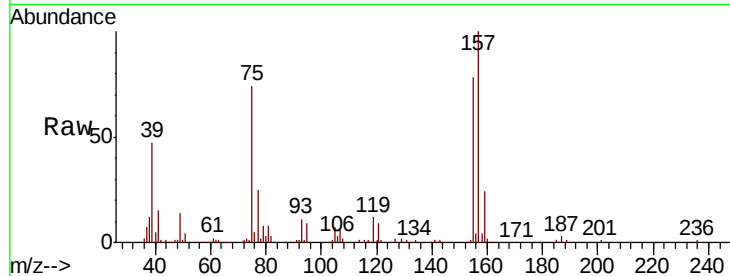




#92
1,2-Dibromo-3-Chloropropane
Concen: 48.144 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

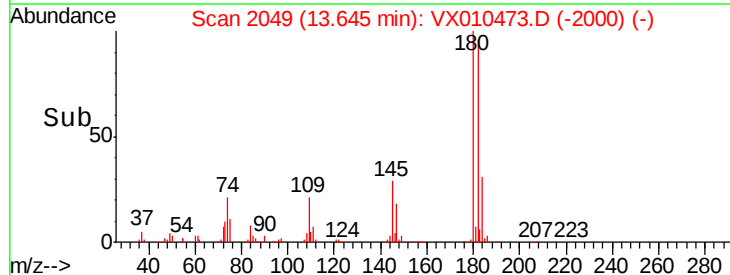
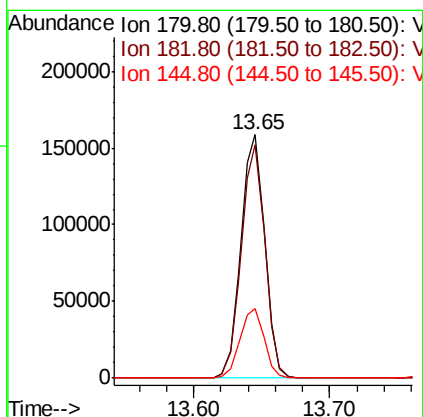
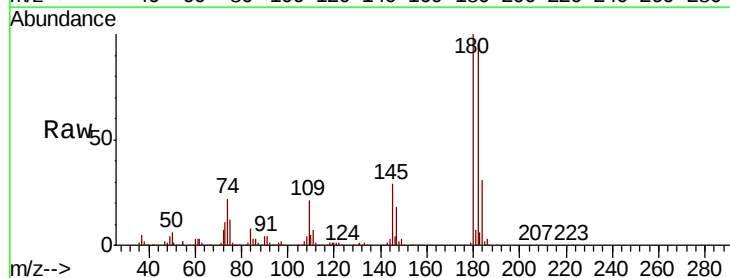
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

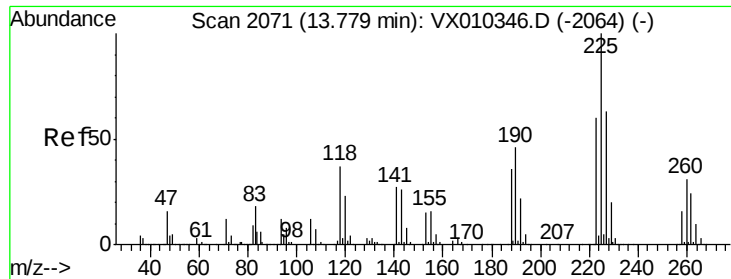
Tot Ion: 75 Resp: 41825
Ion Ratio Lower Upper
75 100
155 105.4 54.4 163.1
157 135.5 69.5 208.3



#93
1,2,4-Trichlorobenzene
Concen: 47.333 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX010473.D
Acq: 26 Jun 2019 19:16

Tgt Ion:180 Resp: 193466
Ion Ratio Lower Upper
180 100
182 95.2 48.0 144.0
145 29.0 14.4 43.4





#94

Hexachlorobutadiene

Concen: 44.550 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

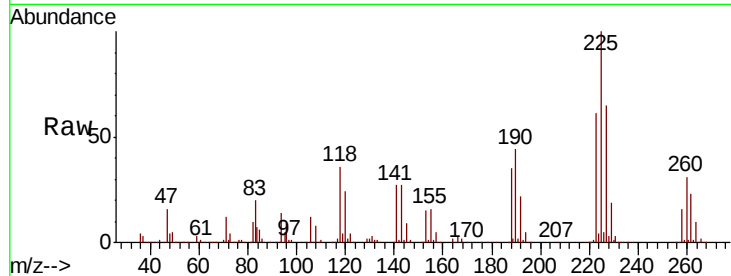
Tot Ion:225 Resp: 88996

Ion Ratio Lower Upper

225 100

223 62.2 30.9 92.7

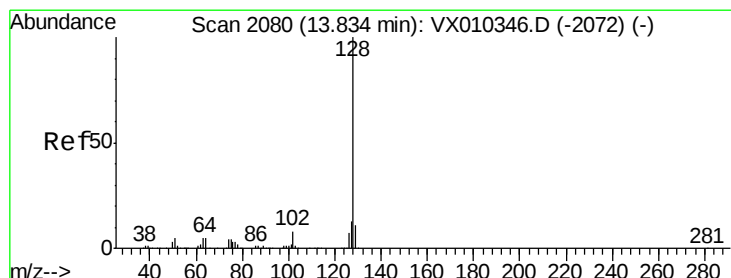
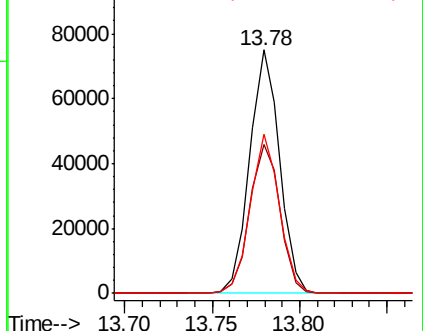
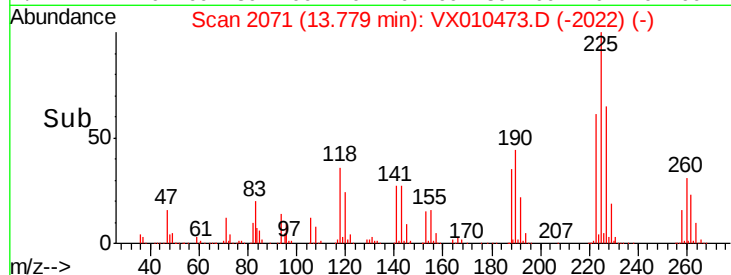
227 63.4 31.9 95.5



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: 49.293 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010473.D

Acq: 26 Jun 2019 19:16

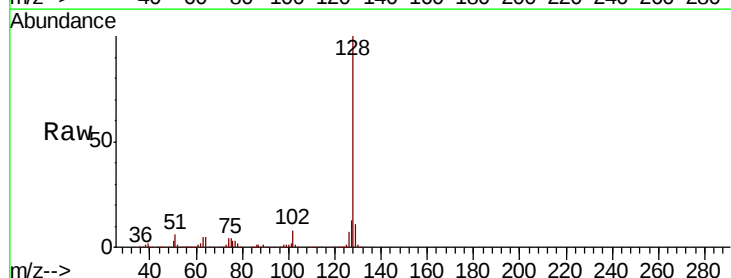
Tgt Ion:128 Resp: 619152

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

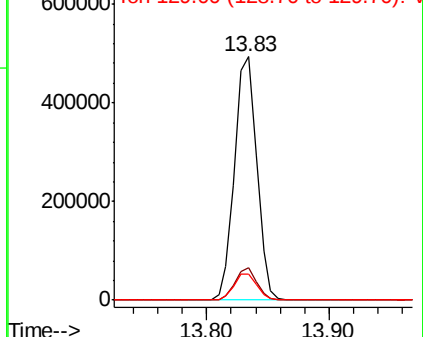
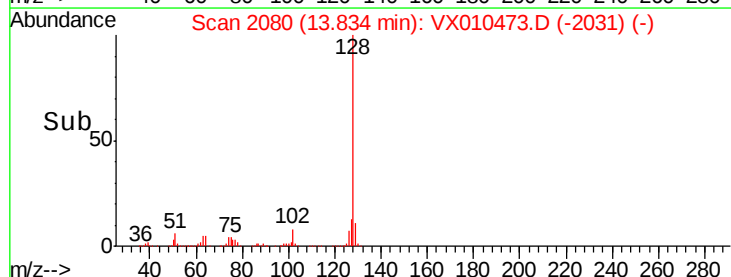
129 11.0 8.9 13.3

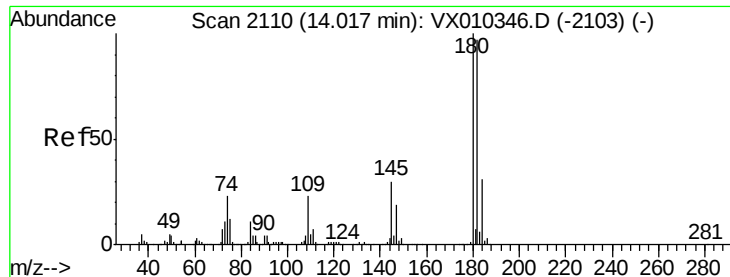


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

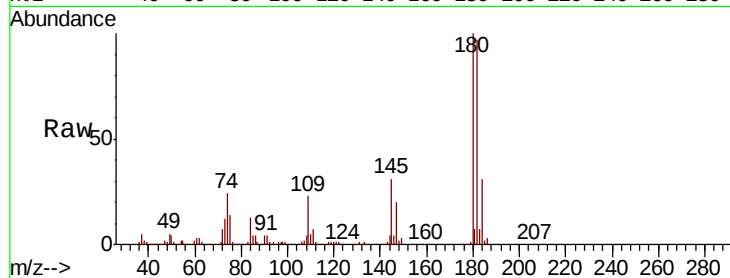




#96
 1,2,3-Trichlorobenzene
 Concen: 47.464 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX010473.D
 Acq: 26 Jun 2019 19:16

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.3
145	31.2	15.2	45.6



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

