

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
 Data File : VX011404.D
 Acq On : 09 Aug 2019 12:58
 Operator : JC/SP
 Sample : K4251-04MSD 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

Quant Time: Aug 10 23:58:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	240383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	120737	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	91277	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	
35) Dibromofluoromethane	5.49	113	80620	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	8.71	98	299965	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.13	95	113762	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	58003	45.929	ug/l	98
3) Chloromethane	1.32	50	62646	44.174	ug/l	98
4) Vinyl Chloride	1.40	62	70555	45.229	ug/l	96
5) Bromomethane	1.63	94	48287	43.402	ug/l	98
6) Chloroethane	1.71	64	46426	47.965	ug/l	99
7) Trichlorofluoromethane	1.92	101	128488	46.323	ug/l	98
8) Diethyl Ether	2.18	74	44889	45.323	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	72142	48.069	ug/l	99
10) Methyl Iodide	2.50	142	94827	50.116	ug/l	98
11) Tert butyl alcohol	3.04	59	86442	263.255	ug/l	100
12) 1,1-Dichloroethene	2.36	96	69668	46.829	ug/l	89
13) Acrolein	2.29	56	56184	275.373	ug/l	100
14) Allyl chloride	2.72	41	106823	53.861	ug/l	96
15) Acrylonitrile	3.14	53	212554	271.263	ug/l	99
16) Acetone	2.44	43	177144	226.013	ug/l	96
17) Carbon Disulfide	2.56	76	161108	46.148	ug/l	99
18) Methyl Acetate	2.76	43	98329	54.897	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	236655	53.979	ug/l	99
20) Methylene Chloride	2.85	84	79398	46.255	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	76611	48.681	ug/l	94
22) Diisopropyl ether	3.85	45	228887	52.509	ug/l	99
23) Vinyl Acetate	3.81	43	1023910	283.210	ug/l	97
24) 1,1-Dichloroethane	3.69	63	130991	50.963	ug/l	98
25) 2-Butanone	4.67	43	295114	264.694	ug/l	99
26) 2,2-Dichloropropane	4.57	77	106990	53.547	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	90835	50.111	ug/l	98
28) Bromochloromethane	5.01	49	62432	53.280	ug/l	98
29) Tetrahydrofuran	5.12	42	184888	270.456	ug/l	99
30) Chloroform	5.20	83	146439	52.420	ug/l	95
31) Cyclohexane	5.57	56	103850	48.973	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	128099	53.528	ug/l	99
36) 1,1-Dichloropropene	5.79	75	103474	49.302	ug/l	98
37) Ethyl Acetate	4.82	43	112517	53.447	ug/l	99
38) Carbon Tetrachloride	5.78	117	113479	53.743	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	113195	45.501	ug/l	98
40) Benzene	6.13	78	312045	49.824	ug/l	96
41) Methacrylonitrile	5.04	41	60333	52.476	ug/l	97
42) 1,2-Dichloroethane	6.19	62	115236	54.413	ug/l	97
43) Isopropyl Acetate	6.44	43	180604	53.659	ug/l	100
44) Trichloroethene	7.21	130	89860	47.402	ug/l	96
45) 1,2-Dichloropropane	7.51	63	80377	49.555	ug/l	94
46) Dibromomethane	7.66	93	58688	49.565	ug/l	97
47) Bromodichloromethane	7.89	83	109440	54.591	ug/l	97
48) Methyl methacrylate	7.76	41	88327	55.763	ug/l	97
49) 1,4-Dioxane	7.74	88	41733	908.804	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	602425	277.342	ug/l	99
52) Toluene	8.78	92	207465	50.102	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	117976	50.502	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	125353	53.529	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	87615	51.462	ug/l	99
56) Ethyl methacrylate	9.18	69	130810	53.916	ug/l	97
57) 1,3-Dichloropropane	9.37	76	139638	51.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	160254	134.336	ug/l	99
59) 2-Hexanone	9.49	43	462575	274.940	ug/l	99
60) Dibromochloromethane	9.58	129	95748	54.931	ug/l	98
61) 1,2-Dibromoethane	9.67	107	95209	51.761	ug/l	99
64) Tetrachloroethene	9.34	164	89430	46.540	ug/l	98
65) Chlorobenzene	10.13	112	235224	48.484	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	88248	53.131	ug/l	99
67) Ethyl Benzene	10.25	91	419676	51.652	ug/l	97
68) m/p-Xylenes	10.35	106	339294	107.960	ug/l	97
69) o-Xylene	10.69	106	153819	49.814	ug/l	97
70) Styrene	10.71	104	262196	51.317	ug/l	98
71) Bromoform	10.85	173	72849	49.107	ug/l #	100
73) Isopropylbenzene	11.02	105	483092	58.503	ug/l	99
74) N-amyl acetate	10.90	43	164029	54.975	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	138365	50.281	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	151077	68.710	ug/l	86
77) Bromobenzene	11.25	156	113720	49.664	ug/l	97
78) n-propylbenzene	11.36	91	608754	66.292	ug/l	99
79) 2-Chlorotoluene	11.42	91	290025	52.989	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	366476	53.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	40737	49.521	ug/l	96
82) 4-Chlorotoluene	11.51	91	323330	50.689	ug/l	98
83) tert-Butylbenzene	11.77	119	367823	54.255	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1080815	157.045	ug/l	100
85) sec-Butylbenzene	11.94	105	448505	55.063	ug/l	98
86) p-Isopropyltoluene	12.06	119	412665	55.070	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	200768	49.624	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	200864	48.147	ug/l	98
89) n-Butylbenzene	12.38	91	356059	55.153	ug/l	98
90) Hexachloroethane	12.59	117	66848	60.340	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	200964	49.436	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31086	58.307	ug/l	94

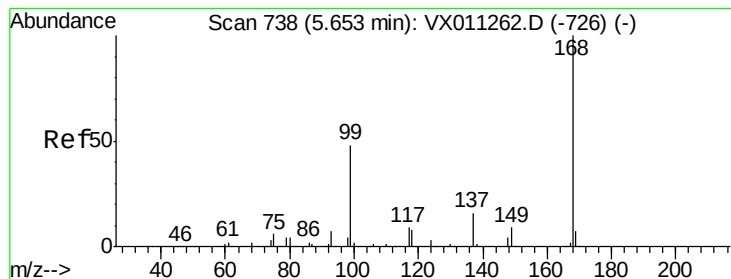
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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	138401	51.337	ug/l	99
94) Hexachlorobutadiene	13.78	225	68972	50.426	ug/l	98
95) Naphthalene	13.83	128	442513	56.129	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	139405	50.863	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

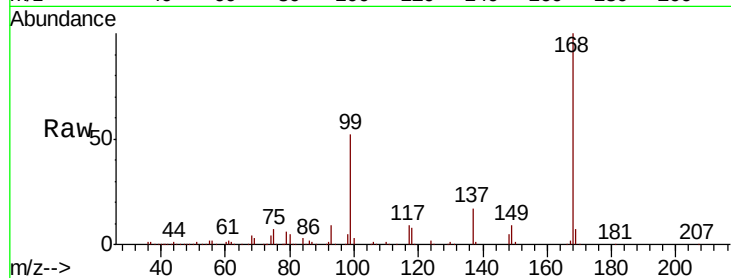
EP1-MW-K-0819MSD

Tgt Ion:168 Resp: 163513

Ion Ratio Lower Upper

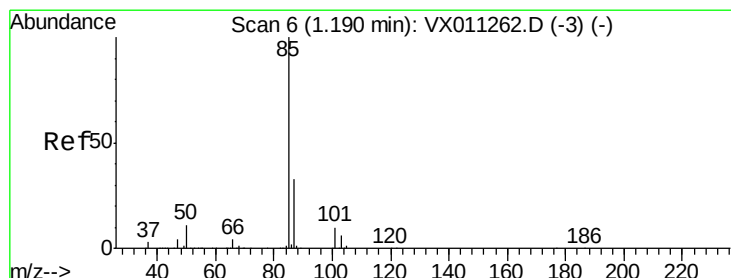
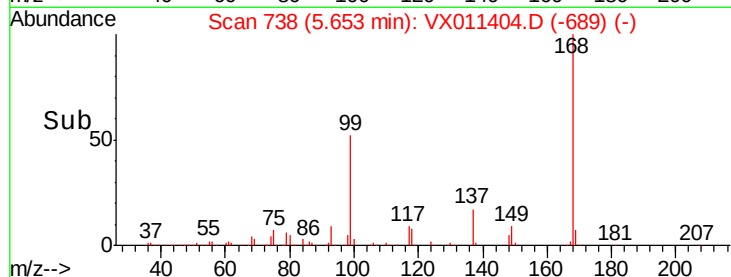
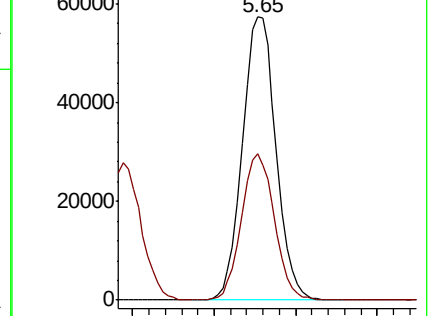
168 100

99 51.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 45.929 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011404.D

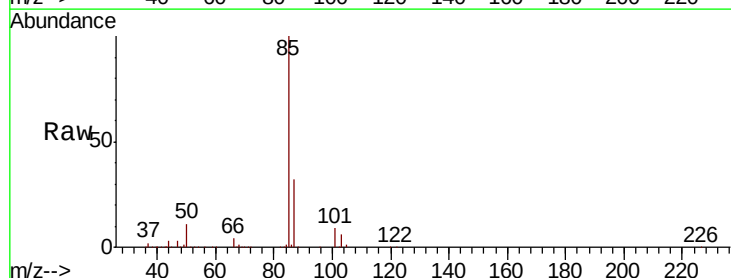
Acq: 09 Aug 2019 12:58

Tgt Ion: 85 Resp: 58003

Ion Ratio Lower Upper

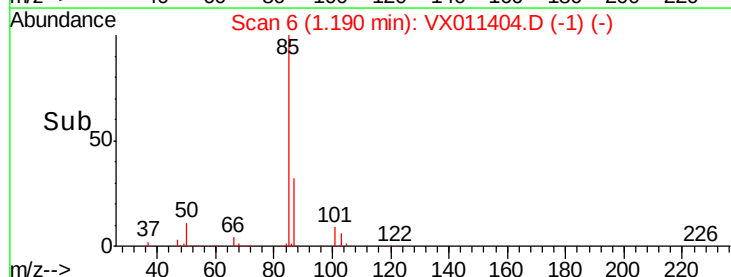
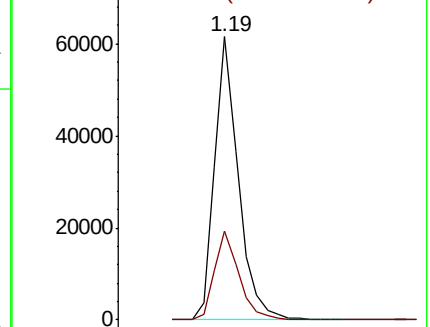
85 100

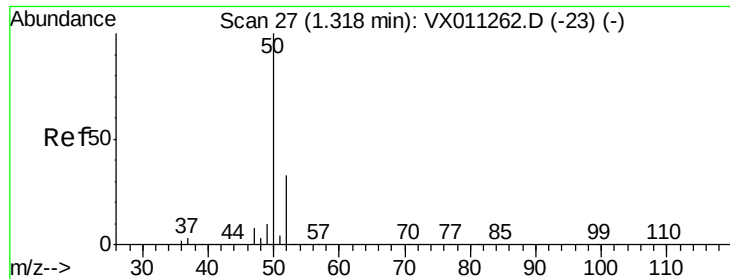
87 31.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 44.174 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

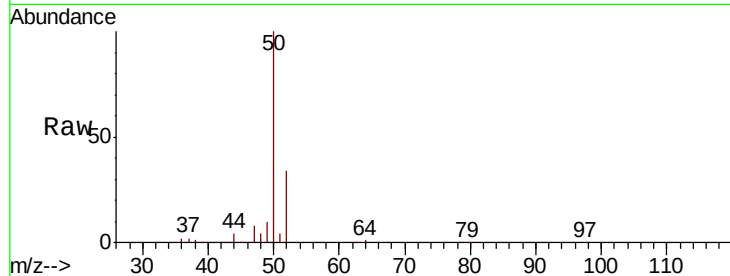
EP1-MW-K-0819MSD

Tgt Ion: 50 Resp: 62646

Ion Ratio Lower Upper

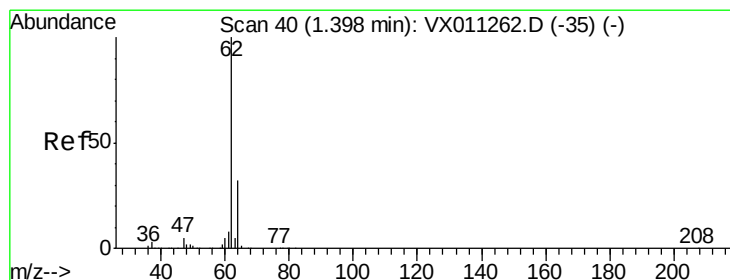
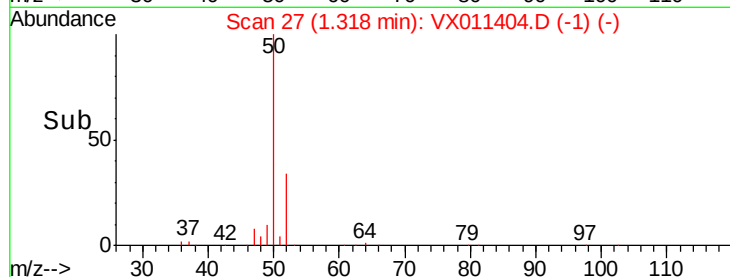
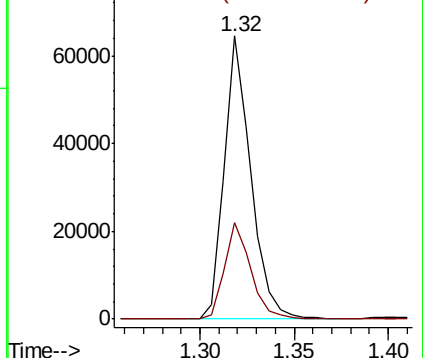
50 100

52 34.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.229 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011404.D

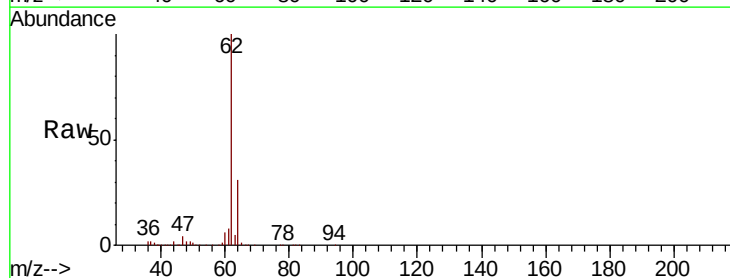
Acq: 09 Aug 2019 12:58

Tgt Ion: 62 Resp: 70555

Ion Ratio Lower Upper

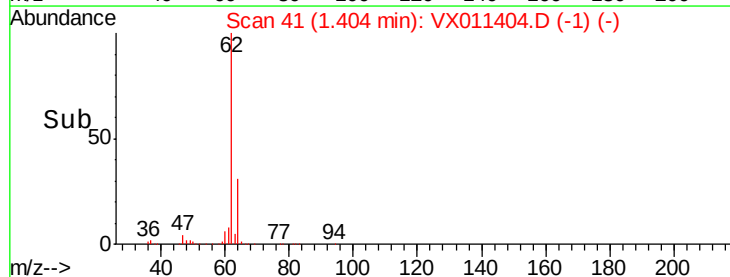
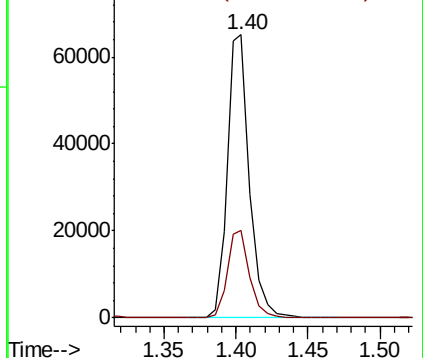
62 100

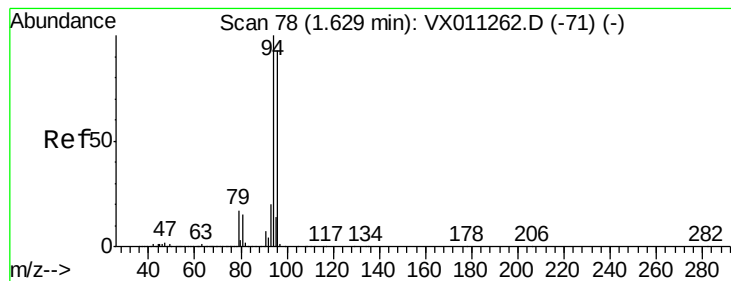
64 30.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 43.402 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

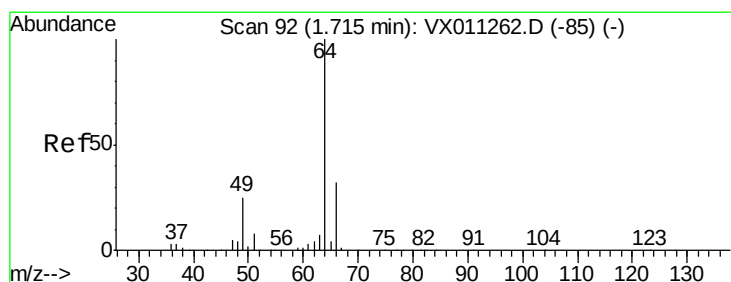
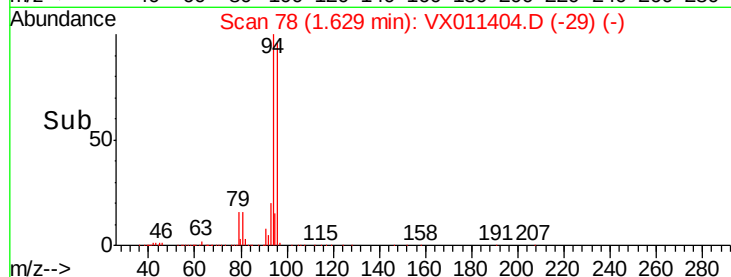
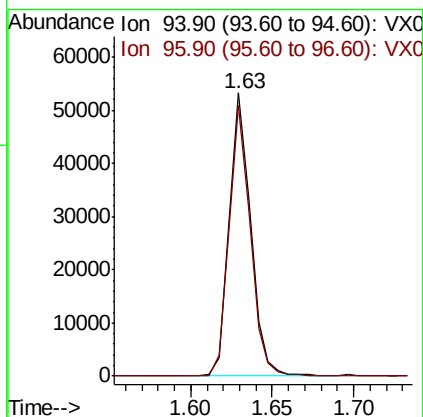
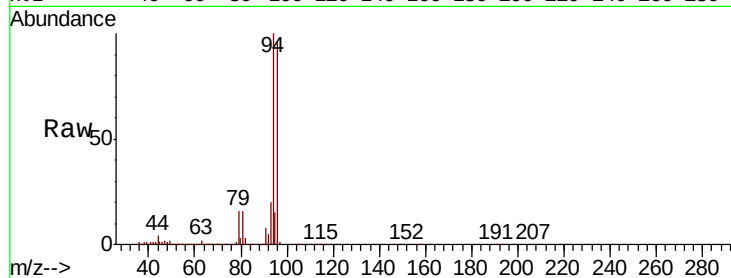
EP1-MW-K-0819MSD

Tgt Ion: 94 Resp: 48287

Ion Ratio Lower Upper

94 100

96 95.6 74.6 112.0



#6

Chloroethane

Concen: 47.965 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011404.D

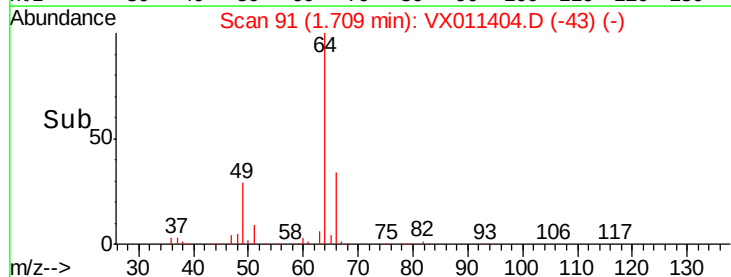
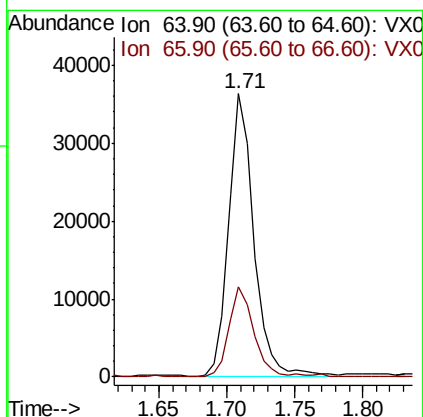
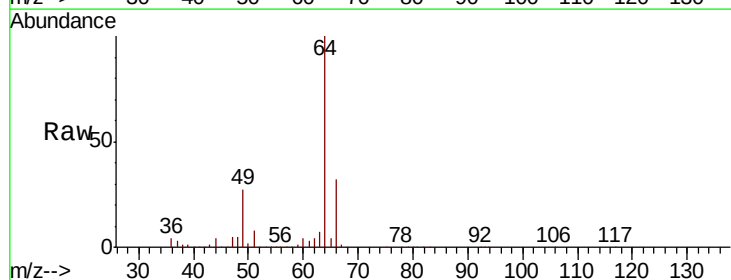
Acq: 09 Aug 2019 12:58

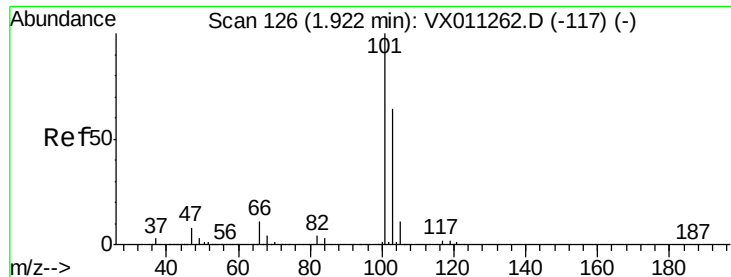
Tgt Ion: 64 Resp: 46426

Ion Ratio Lower Upper

64 100

66 31.7 25.1 37.7



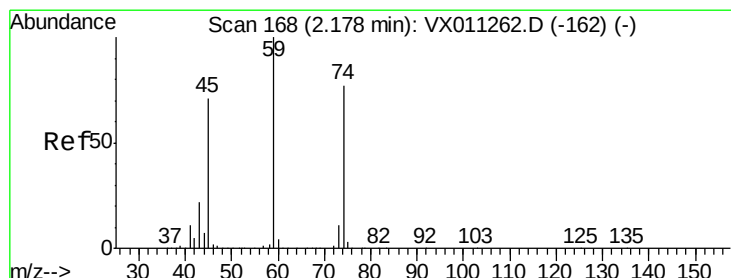
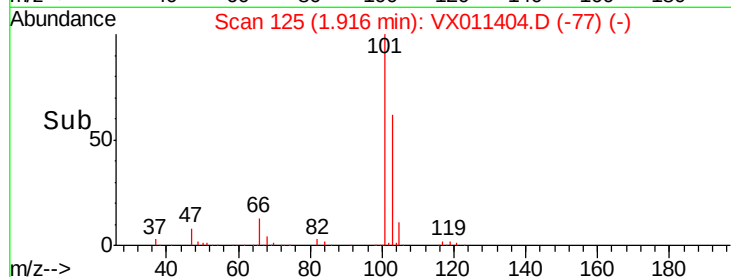
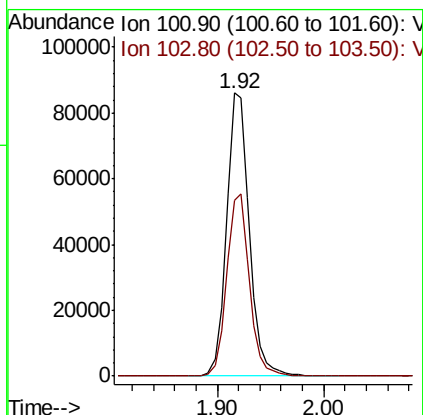
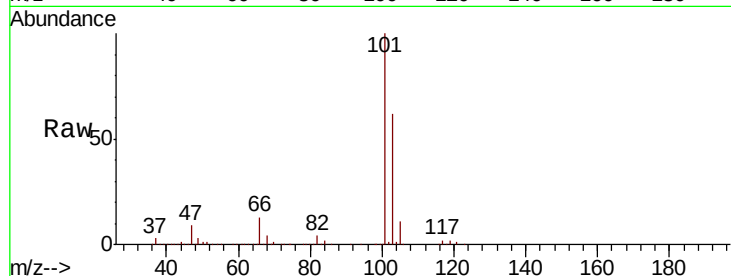


#7

Trichlorofluoromethane
 Concen: 46.323 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

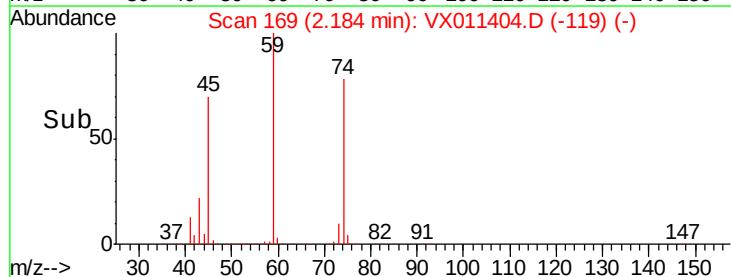
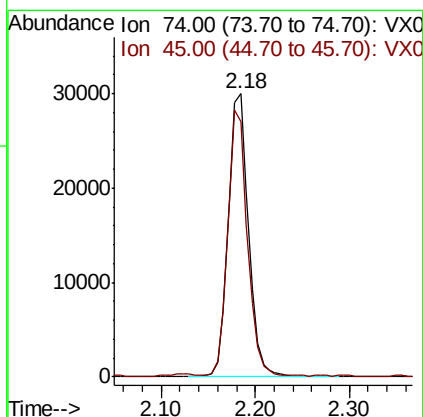
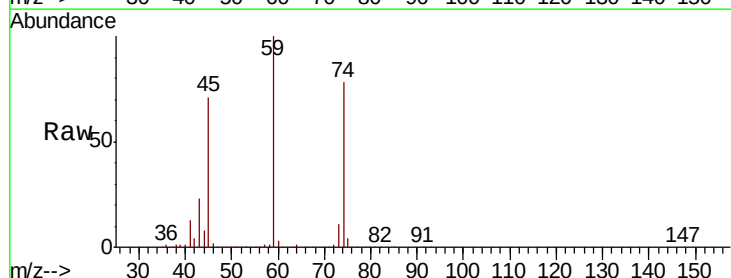
Tgt Ion: 101 Resp: 128488
 Ion Ratio Lower Upper
 101 100
 103 62.3 50.9 76.3

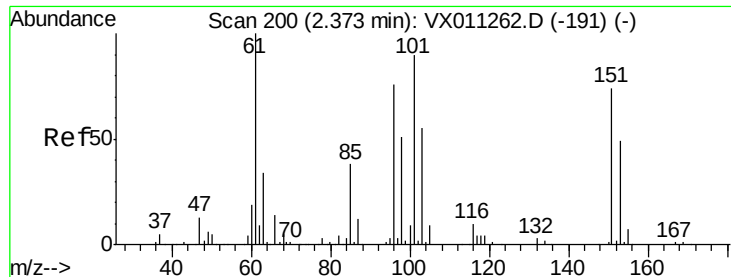


#8

Diethyl Ether
 Concen: 45.323 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.01 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion: 74 Resp: 44889
 Ion Ratio Lower Upper
 74 100
 45 90.0 46.1 138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.069 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

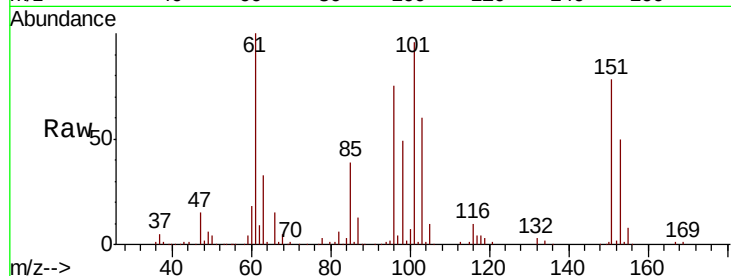
Tgt Ion:101 Resp: 72142

Ion Ratio Lower Upper

101 100

85 42.5 33.8 50.6

151 85.2 69.5 104.3

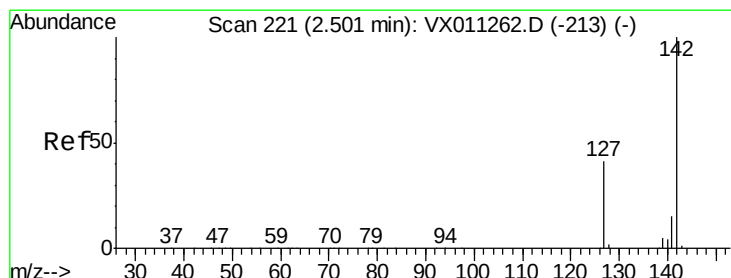
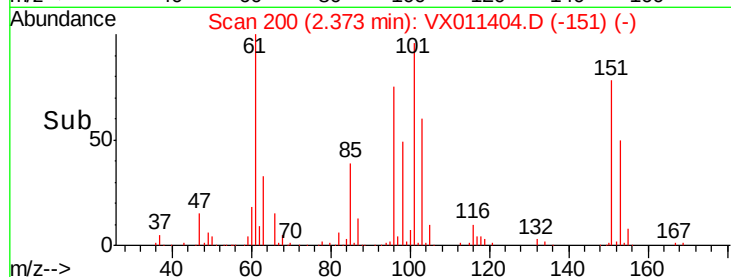
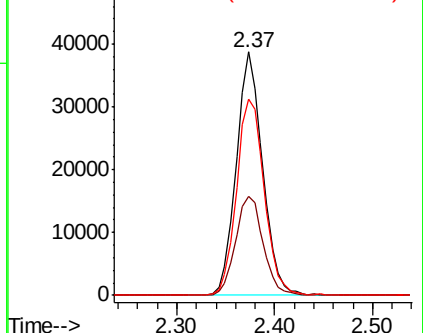


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.116 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

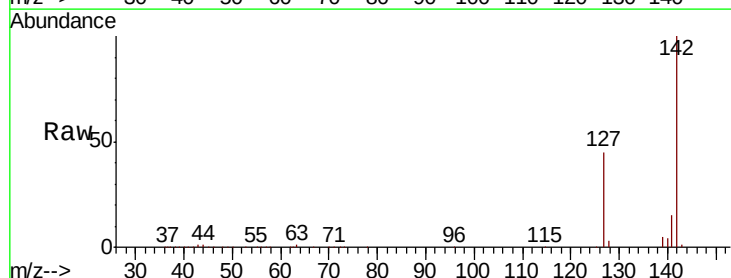
Tgt Ion:142 Resp: 94827

Ion Ratio Lower Upper

142 100

127 44.1 33.8 50.8

141 14.5 11.4 17.2

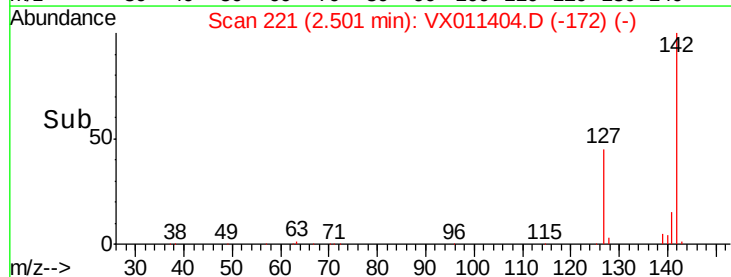
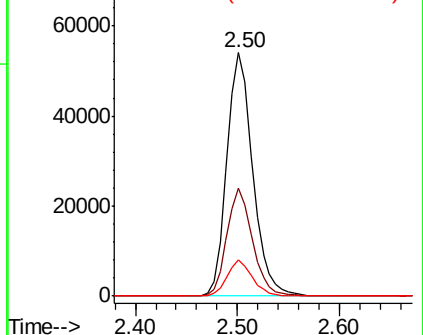


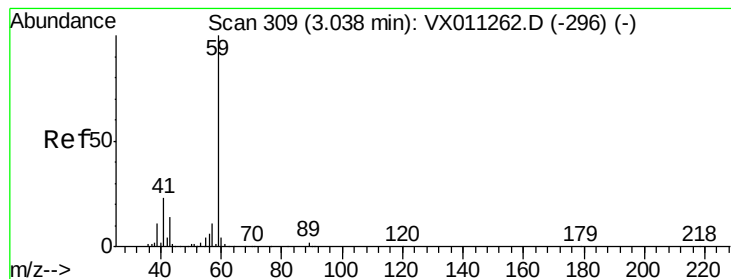
Abundance

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



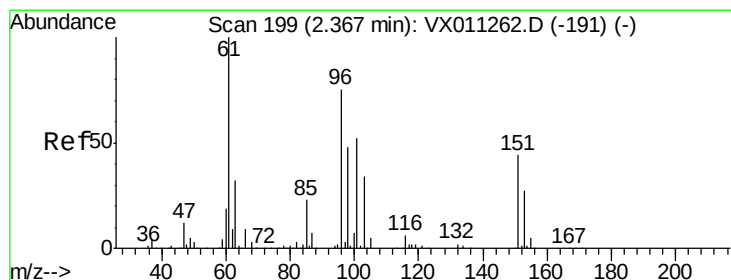
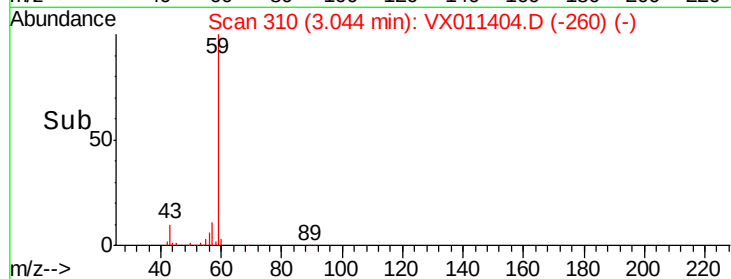
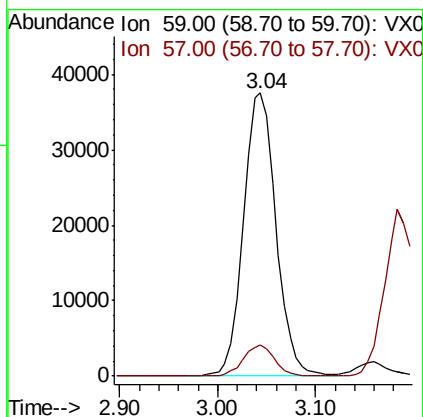
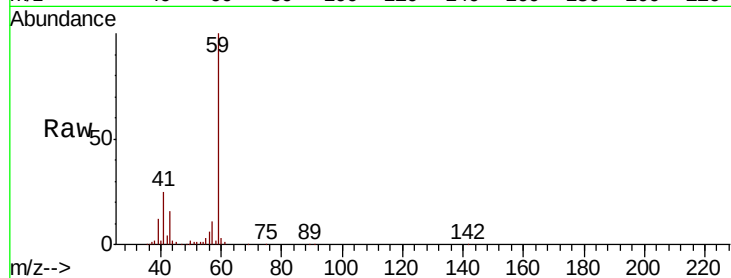


#11

Tert butyl alcohol
 Concen: 263.255 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

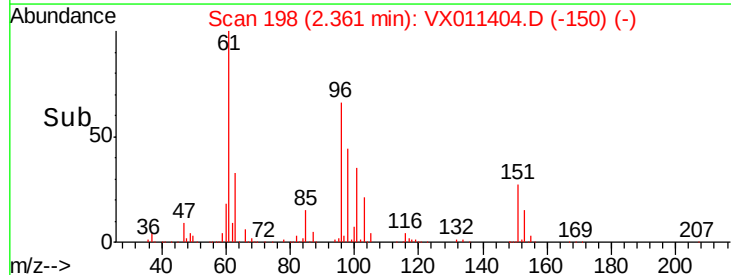
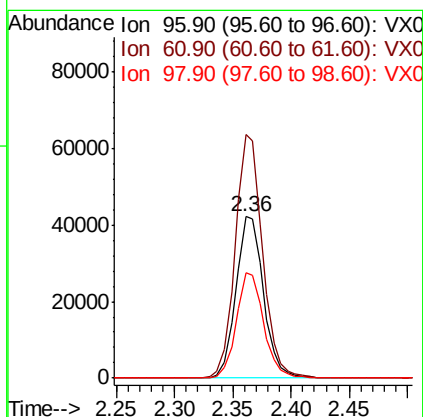
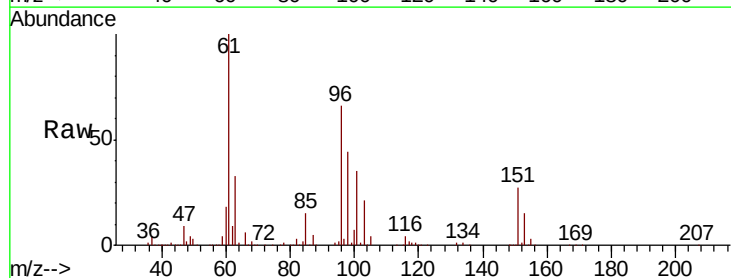
Tgt Ion: 59 Resp: 86442
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.3 12.5

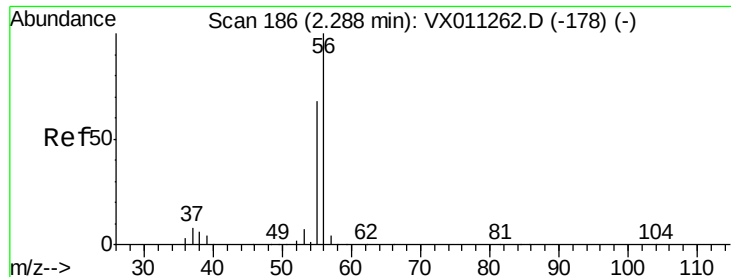


#12

1,1-Dichloroethene
 Concen: 46.829 ug/l
 RT: 2.36 min Scan# 198
 Delta R.T. -0.01 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion: 96 Resp: 69668
 Ion Ratio Lower Upper
 96 100
 61 150.9 106.2 159.2
 98 65.7 50.6 75.8





#13

Acrolein

Concen: 275.373 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

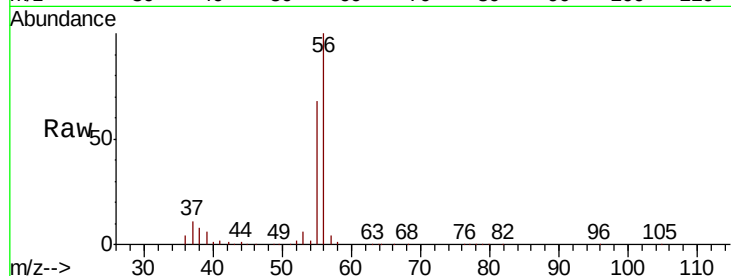
EP1-MW-K-0819MSD

Tgt Ion: 56 Resp: 56184

Ion Ratio Lower Upper

56 100

55 70.1 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

40000

30000

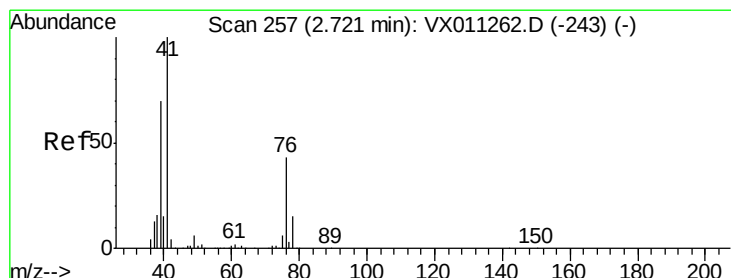
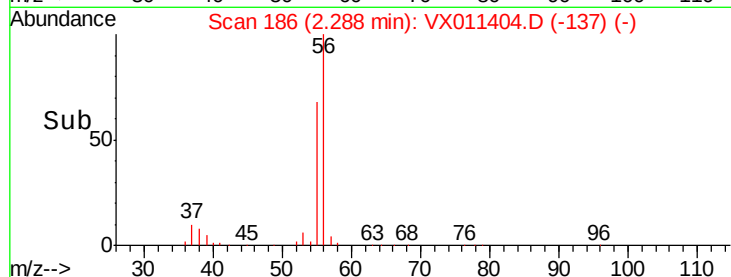
20000

10000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 53.861 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

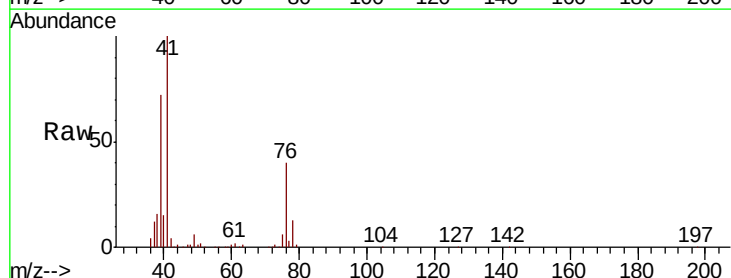
Tgt Ion: 41 Resp: 106823

Ion Ratio Lower Upper

41 100

39 67.5 52.8 79.2

76 35.0 31.1 46.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

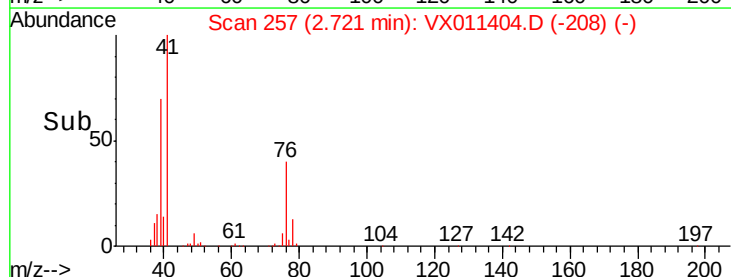
100000

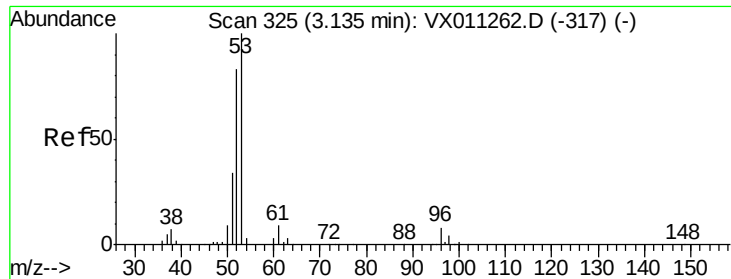
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 271.263 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

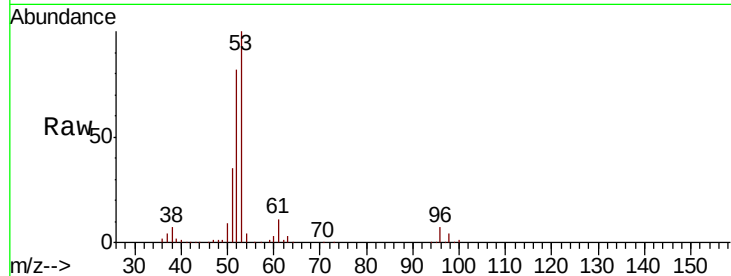
Tgt Ion: 53 Resp: 212554

Ion Ratio Lower Upper

53 100

52 82.6 65.5 98.3

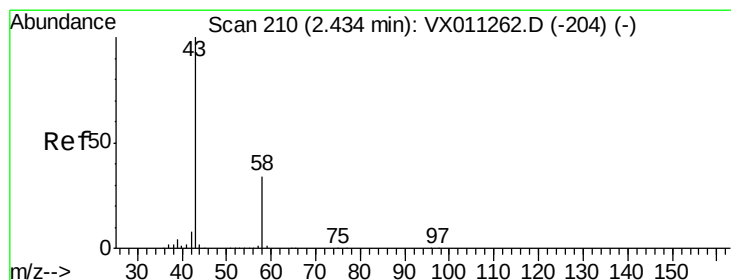
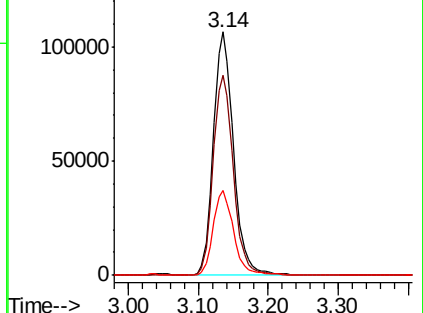
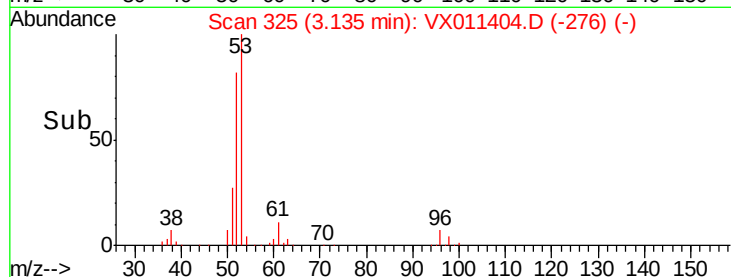
51 35.7 27.9 41.9



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: 226.013 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011404.D

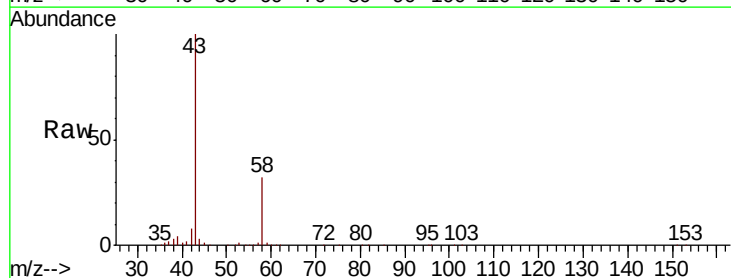
Acq: 09 Aug 2019 12:58

Tgt Ion: 43 Resp: 177144

Ion Ratio Lower Upper

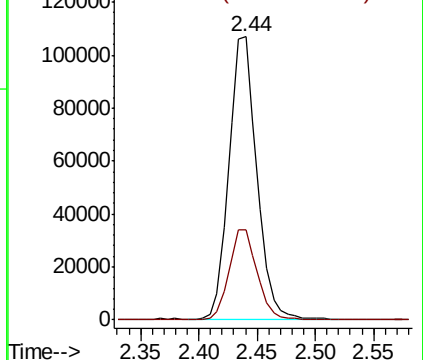
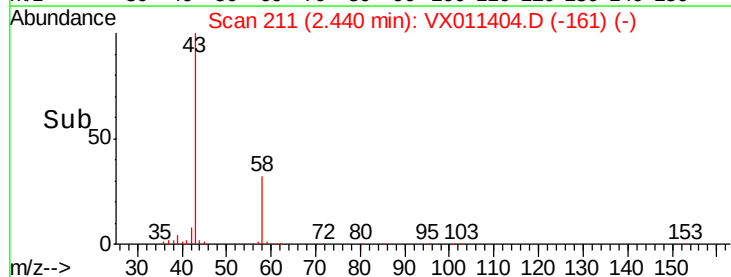
43 100

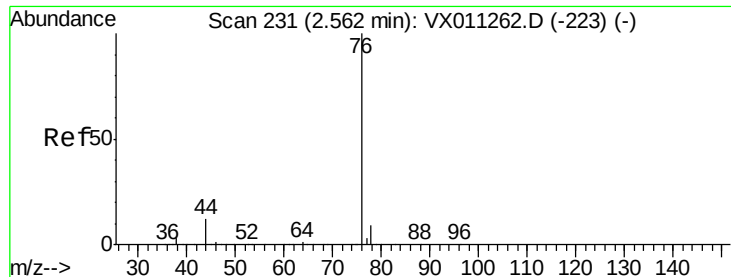
58 31.9 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 46.148 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

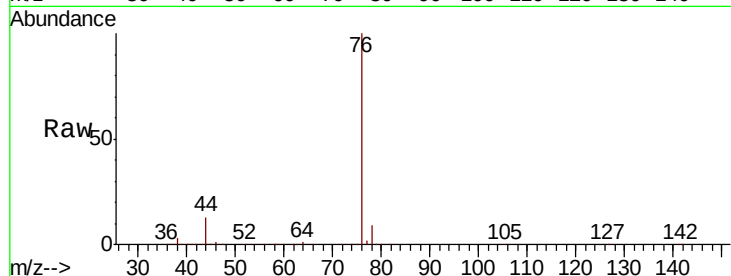
EP1-MW-K-0819MSD

Tgt Ion: 76 Resp: 161108

Ion Ratio Lower Upper

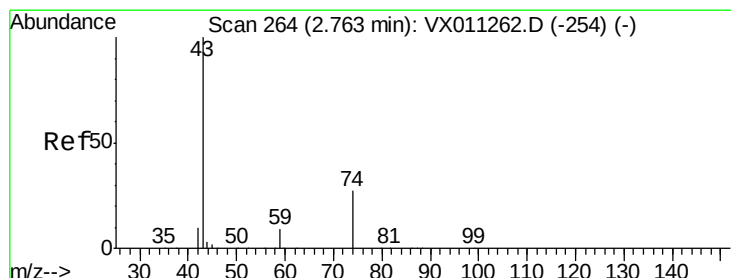
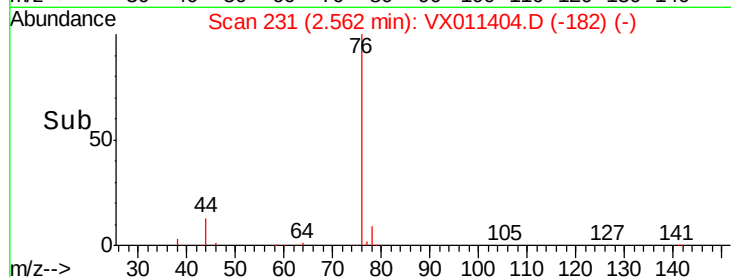
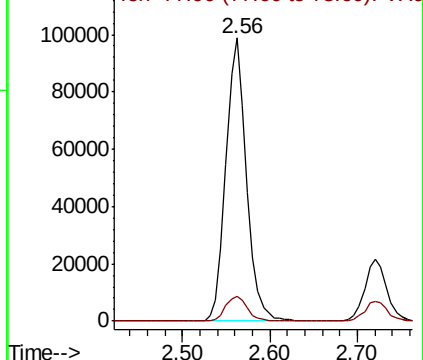
76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 54.897 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011404.D

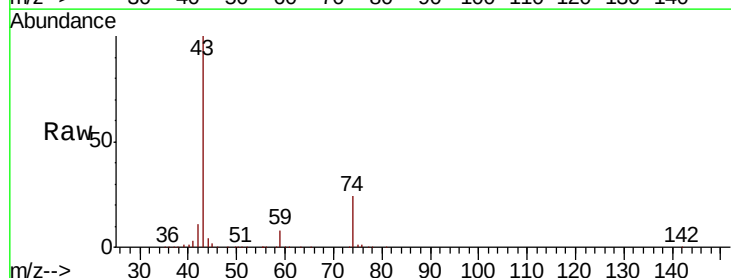
Acq: 09 Aug 2019 12:58

Tgt Ion: 43 Resp: 98329

Ion Ratio Lower Upper

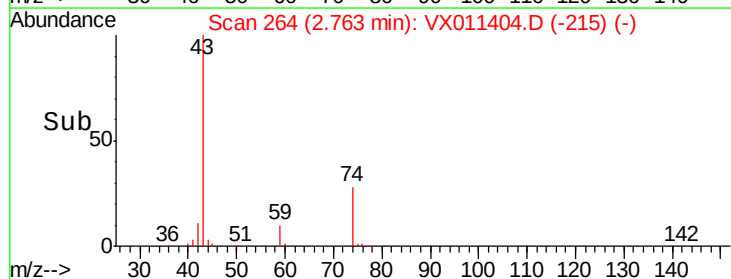
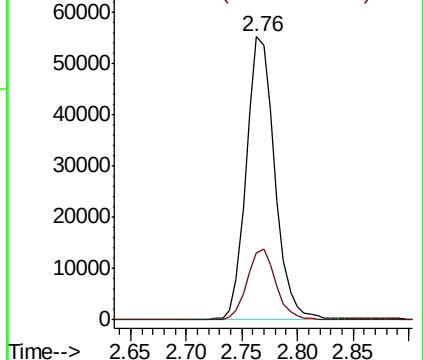
43 100

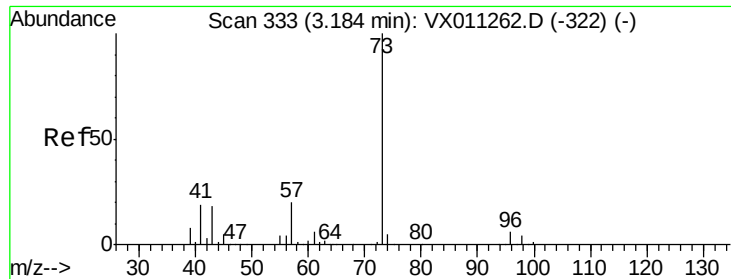
74 25.6 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

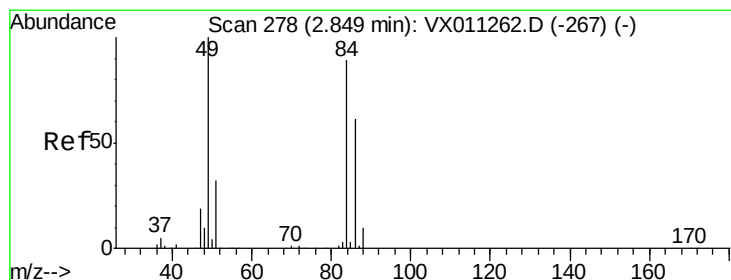
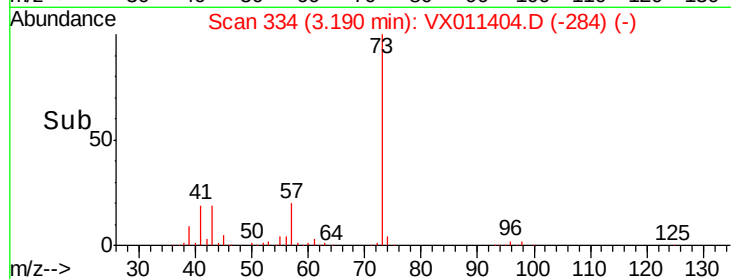
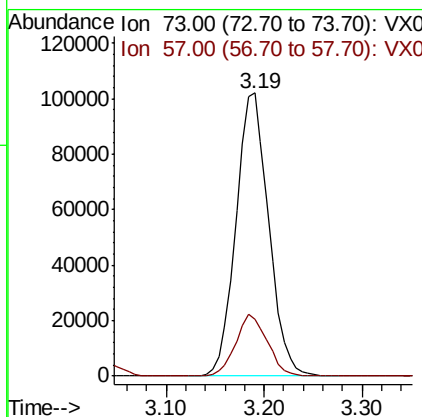
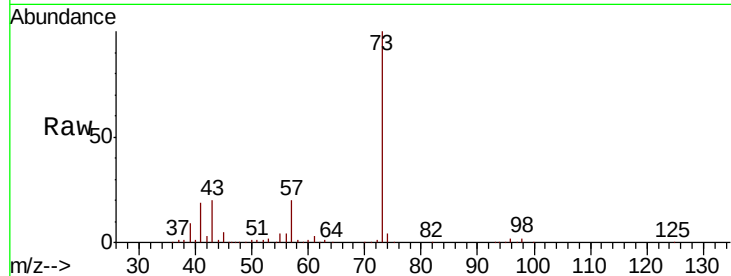




#19
Methyl tert-butyl Ether
Concen: 53.979 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

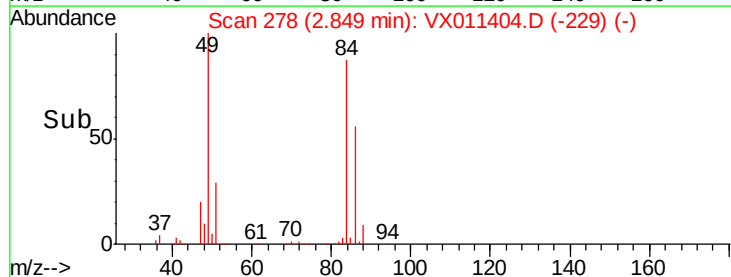
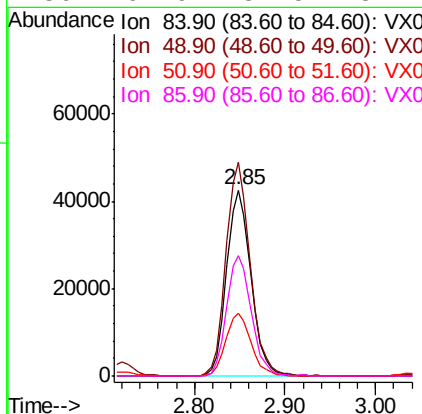
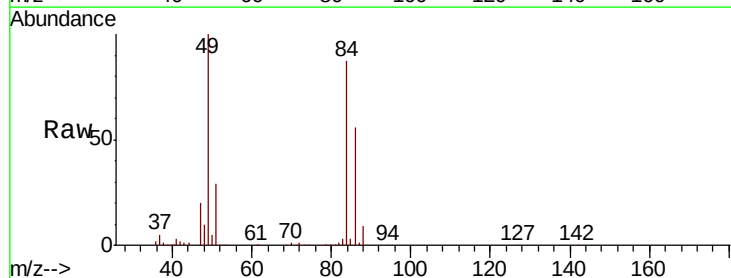
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

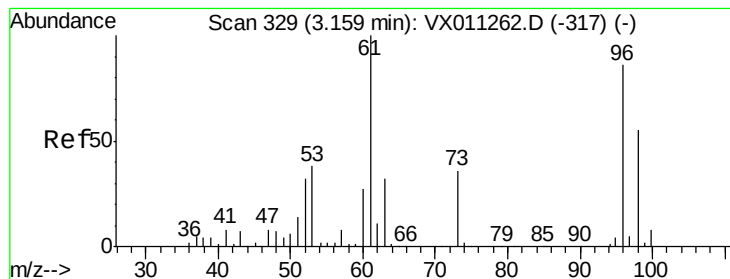
Tgt Ion: 73 Resp: 236655
Ion Ratio Lower Upper
73 100
57 19.9 16.2 24.2



#20
Methylene Chloride
Concen: 46.255 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion: 84 Resp: 79398
Ion Ratio Lower Upper
84 100
49 114.9 89.3 133.9
51 33.5 28.3 42.5
86 64.9 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 48.681 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

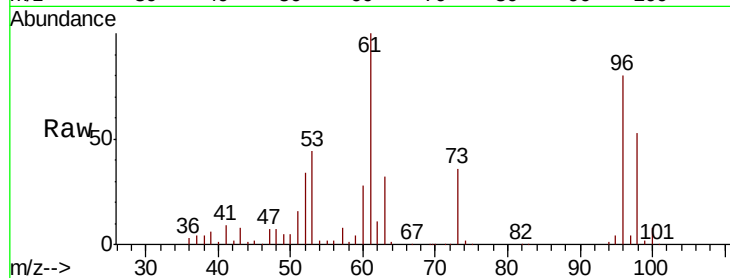
Tgt Ion: 96 Resp: 76611

Ion Ratio Lower Upper

96 100

61 124.4 92.8 139.2

98 65.8 51.2 76.8

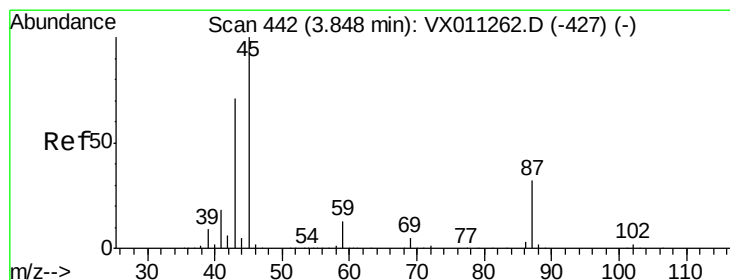
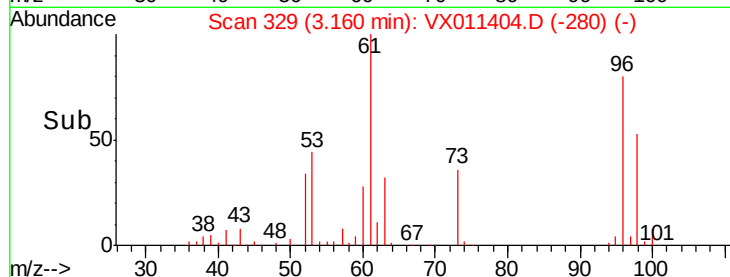
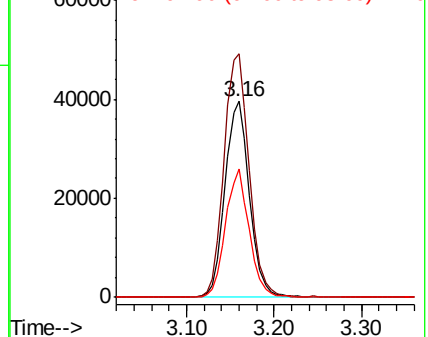


Abundance

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: 52.509 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Tgt Ion: 45 Resp: 228887

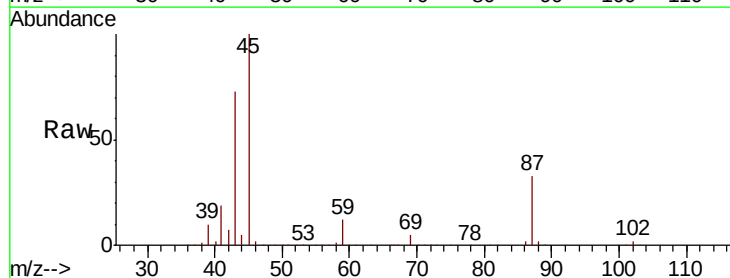
Ion Ratio Lower Upper

45 100

43 72.3 56.8 85.2

87 32.5 25.8 38.6

59 11.8 10.3 15.5



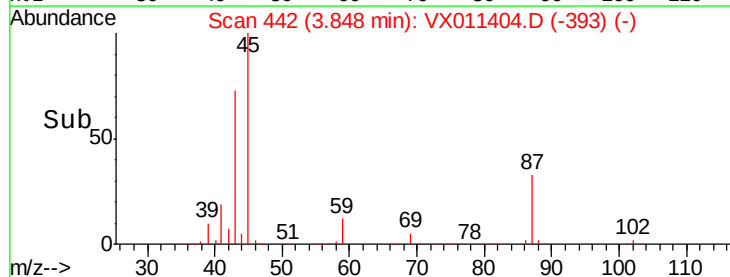
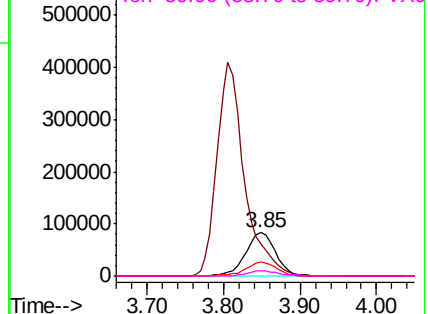
Abundance

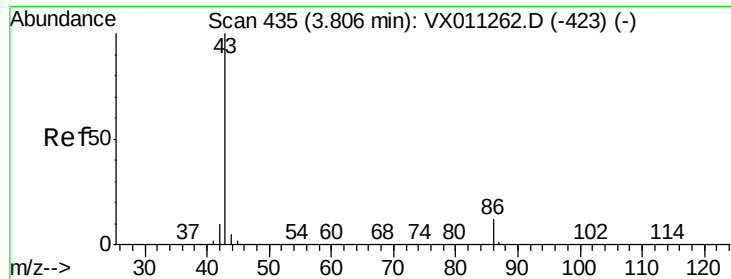
Ion 45.00 (44.70 to 45.70): VX0

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

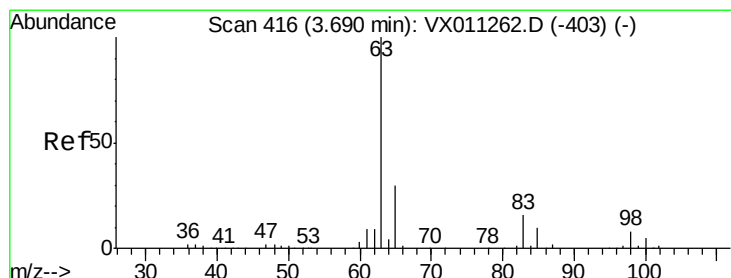
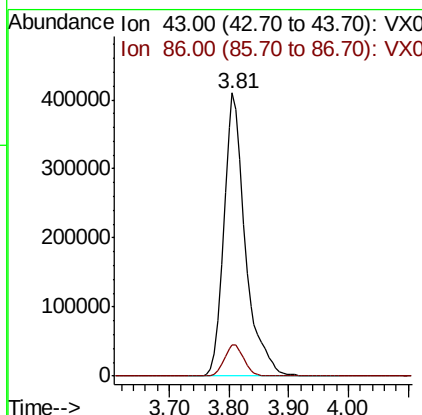
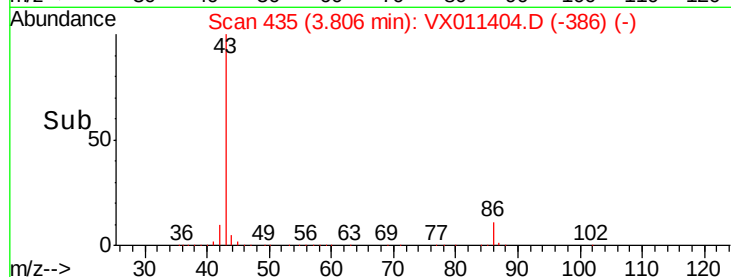
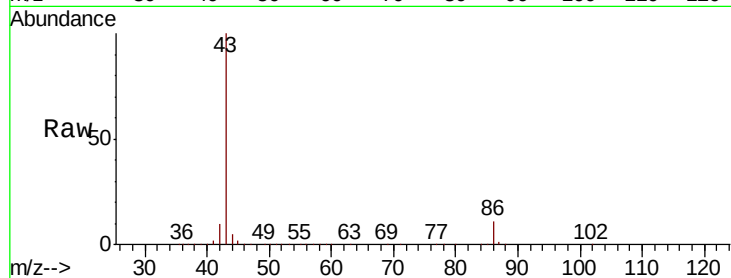




#23
 Vinyl Acetate
 Concen: 283.210 ug/l
 RT: 3.81 min Scan# 435
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

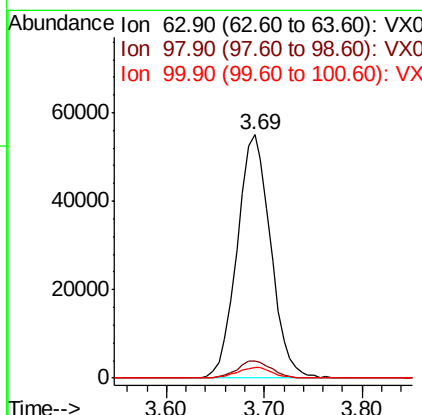
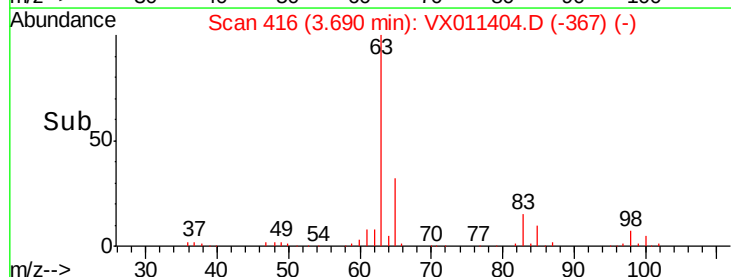
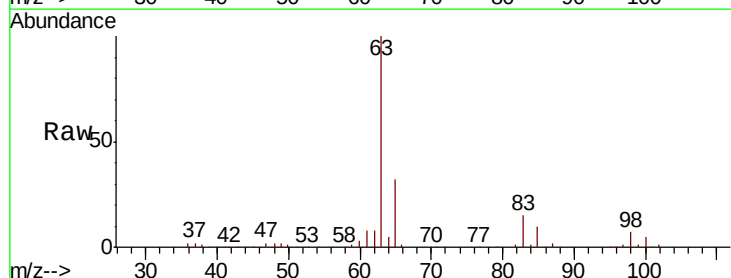
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

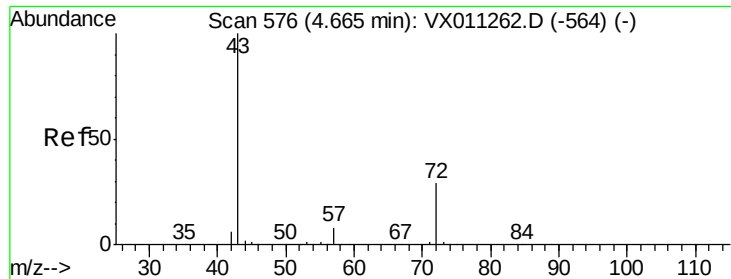
Tgt Ion: 43 Resp: 1023910
 Ion Ratio Lower Upper
 43 100
 86 11.0 9.6 14.4



#24
 1,1-Dichloroethane
 Concen: 50.963 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion: 63 Resp: 130991
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.9 11.5
 100 4.6 2.7 8.1





#25

2-Butanone

Concen: 264.694 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

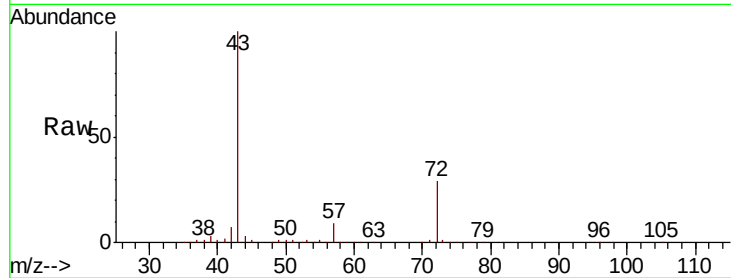
EP1-MW-K-0819MSD

Tgt Ion: 43 Resp: 295114

Ion Ratio Lower Upper

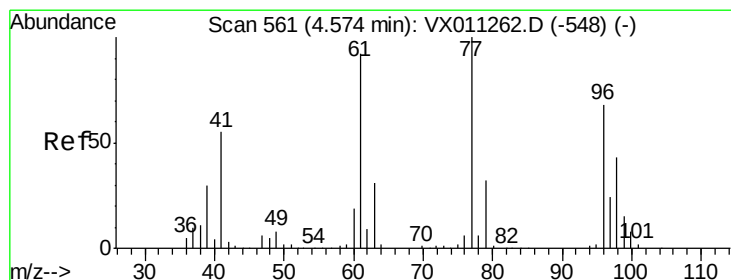
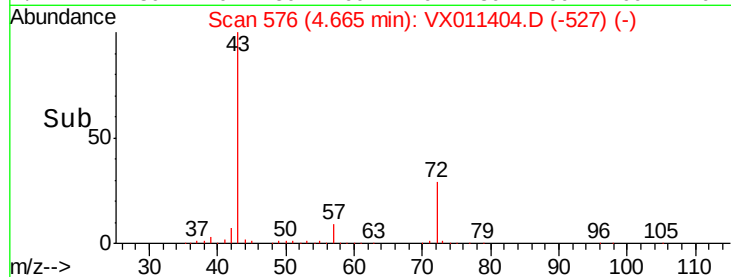
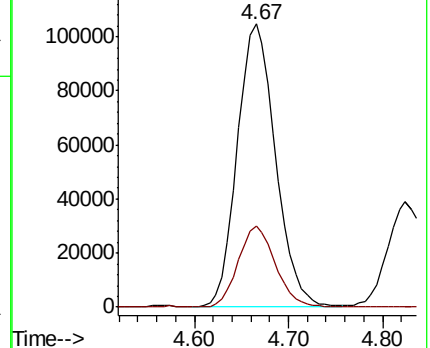
43 100

72 28.7 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 53.547 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011404.D

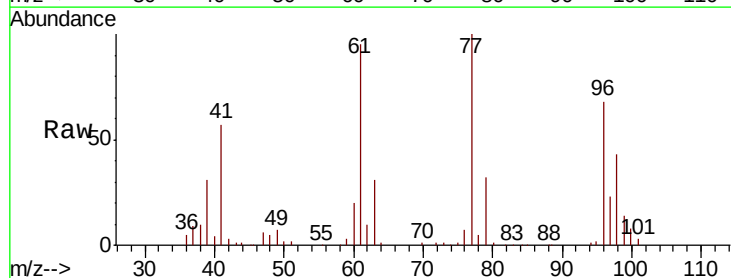
Acq: 09 Aug 2019 12:58

Tgt Ion: 77 Resp: 106990

Ion Ratio Lower Upper

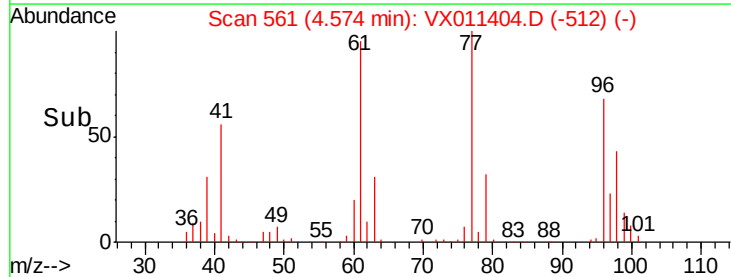
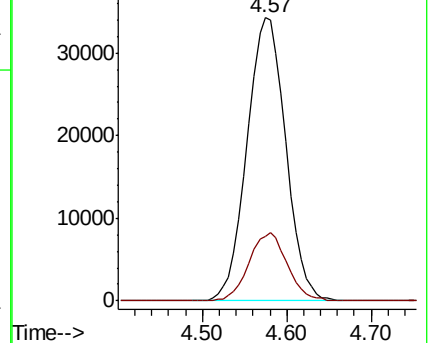
77 100

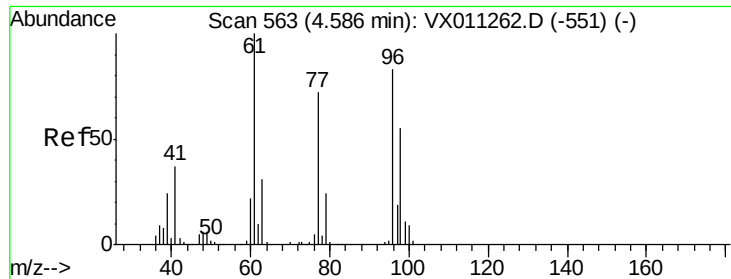
97 23.8 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



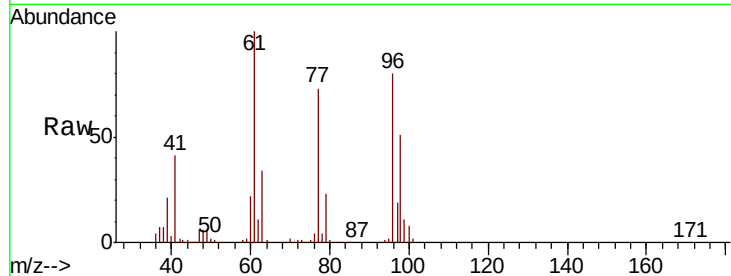


#27

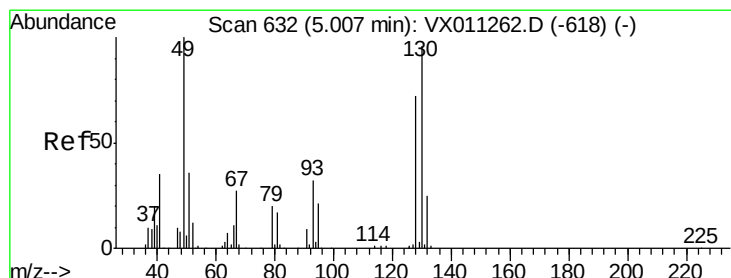
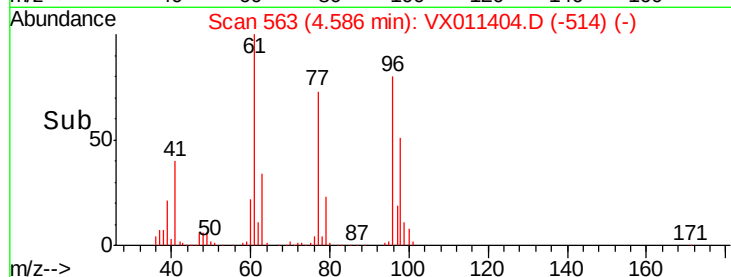
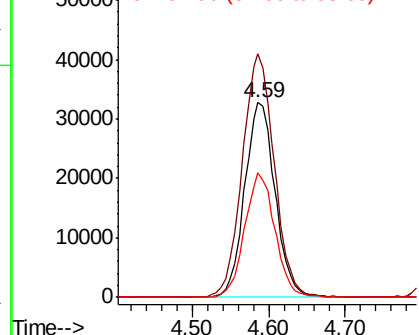
cis-1,2-Dichloroethene
 Concen: 50.111 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

Tgt Ion: 96 Resp: 90835
 Ion Ratio Lower Upper
 96 100
 61 130.6 0.0 260.2
 98 63.5 0.0 133.2



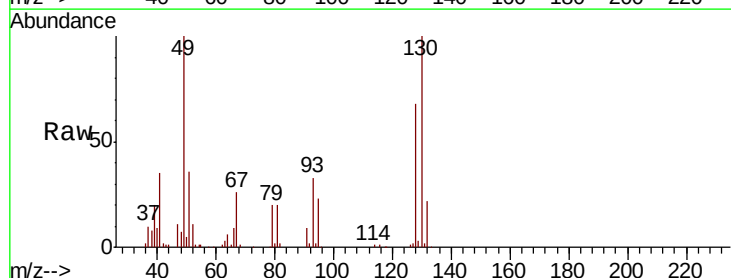
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



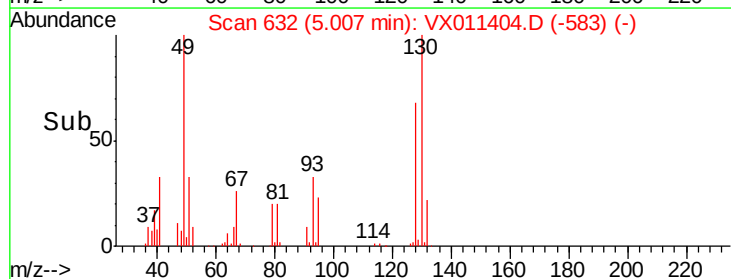
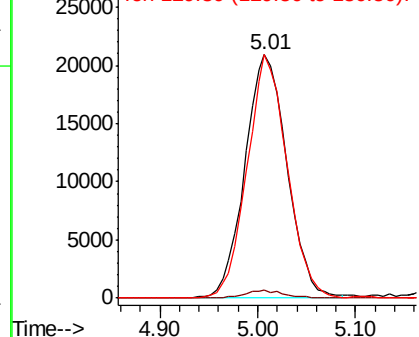
#28

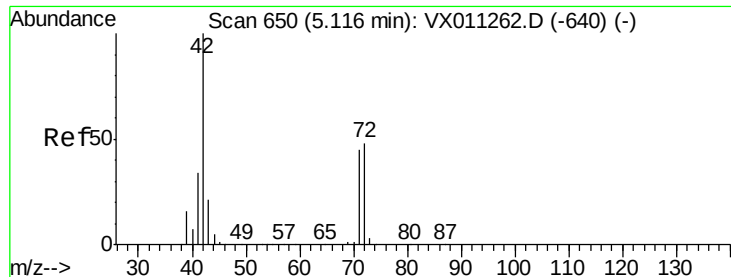
Bromochloromethane
 Concen: 53.280 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion: 49 Resp: 62432
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 5.8
 130 94.9 77.9 116.9



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: 270.456 ug/l

RT: 5.12 min Scan# 651

Delta R.T. 0.01 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

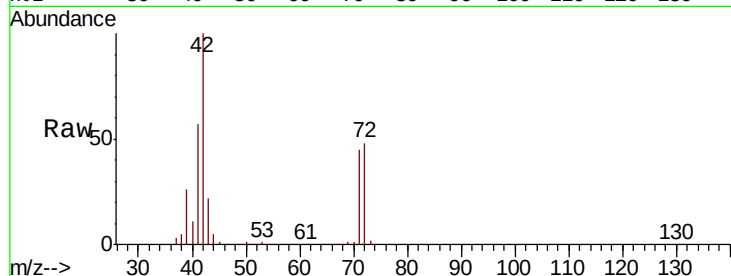
Tgt Ion: 42 Resp: 184888

Ion Ratio Lower Upper

42 100

72 48.6 39.9 59.9

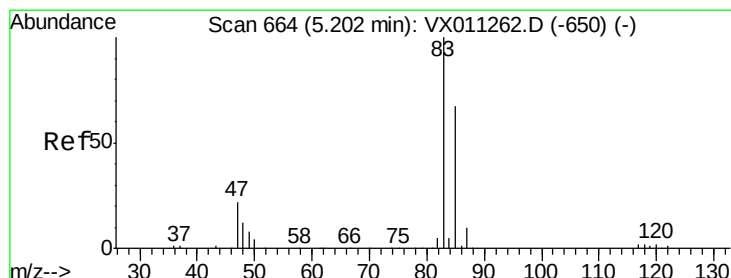
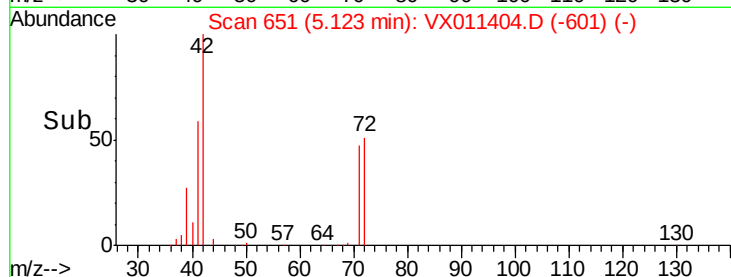
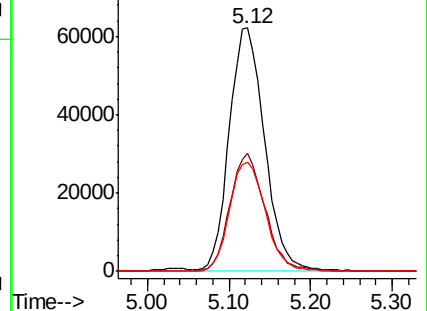
71 46.0 36.9 55.3



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: 52.420 ug/l

RT: 5.20 min Scan# 664

Delta R.T. 0.00 min

Lab File: VX011404.D

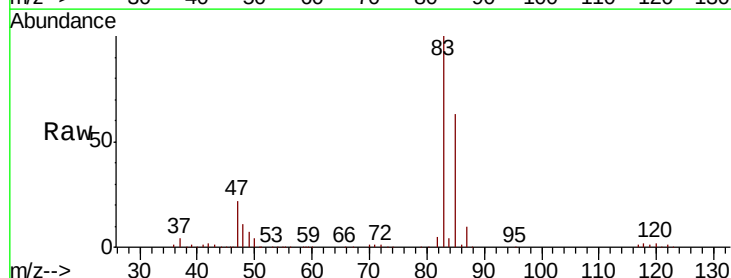
Acq: 09 Aug 2019 12:58

Tgt Ion: 83 Resp: 146439

Ion Ratio Lower Upper

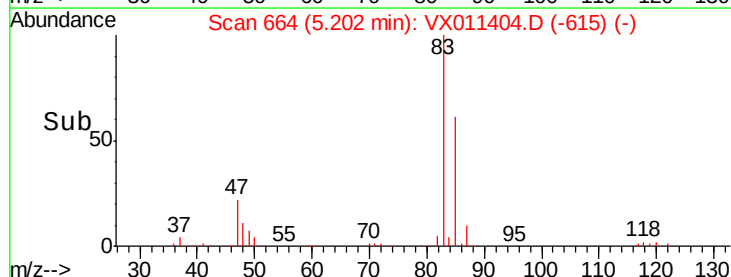
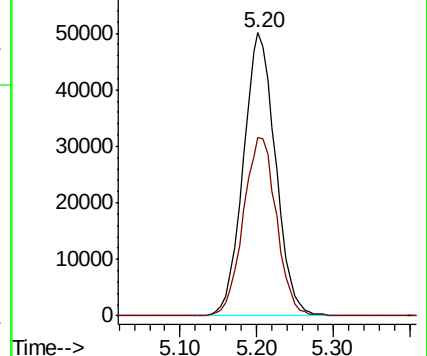
83 100

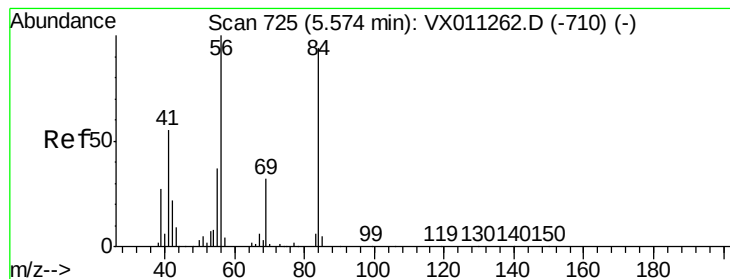
85 62.8 53.4 80.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 48.973 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

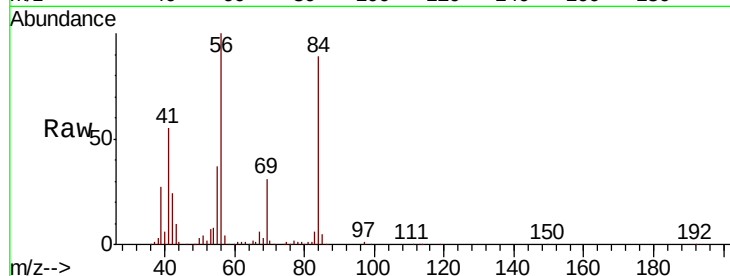
Tgt Ion: 56 Resp: 103850

Ion Ratio Lower Upper

56 100

69 31.3 25.5 38.3

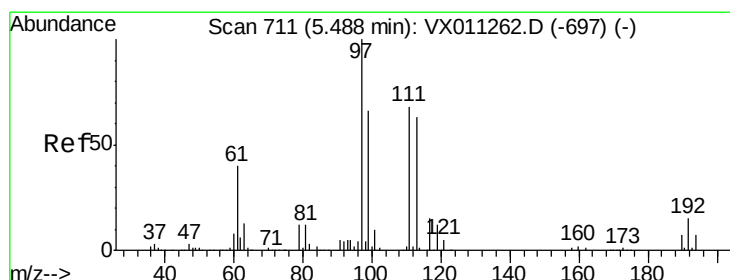
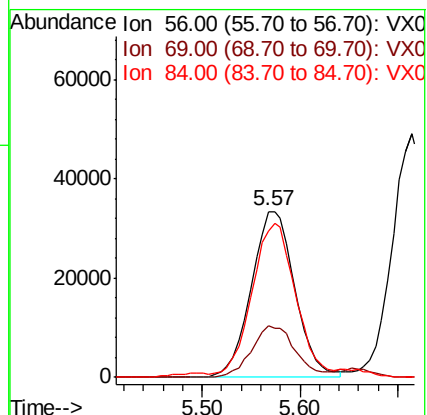
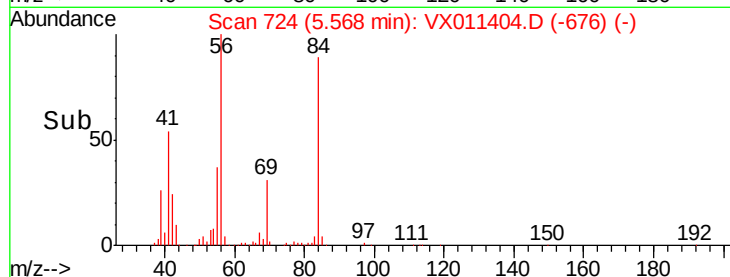
84 86.0 75.0 112.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 53.528 ug/l

RT: 5.49 min Scan# 711

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

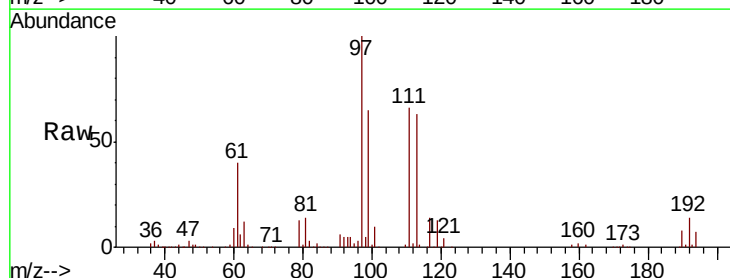
Tgt Ion: 97 Resp: 128099

Ion Ratio Lower Upper

97 100

99 65.2 51.6 77.4

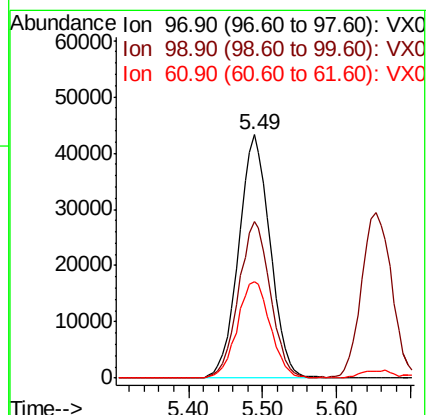
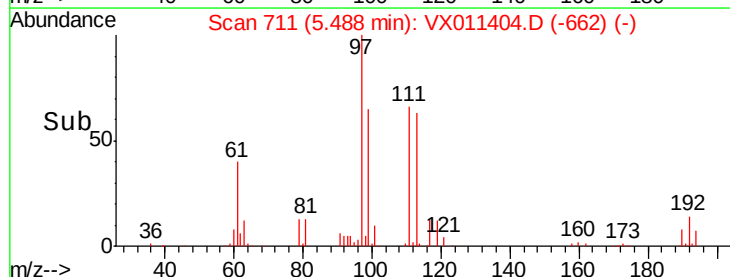
61 41.7 32.3 48.5

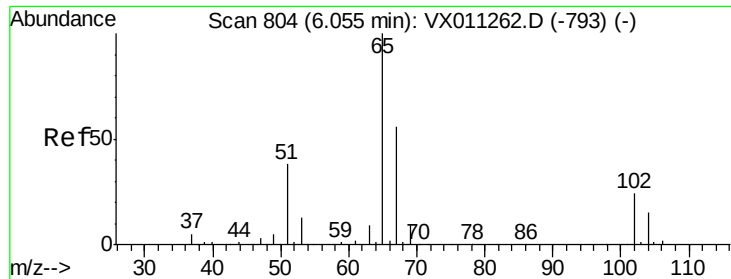


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

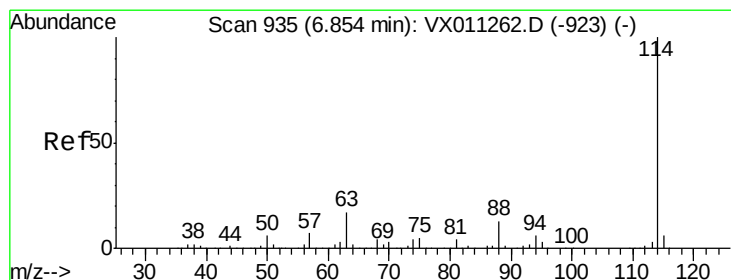
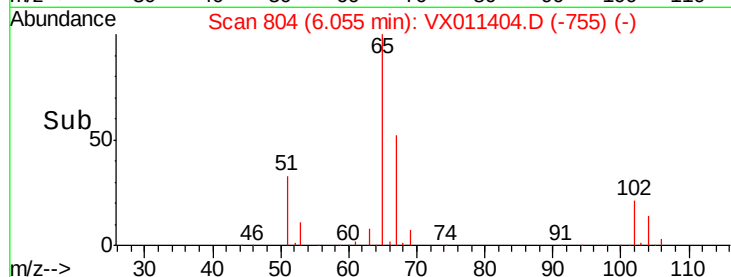
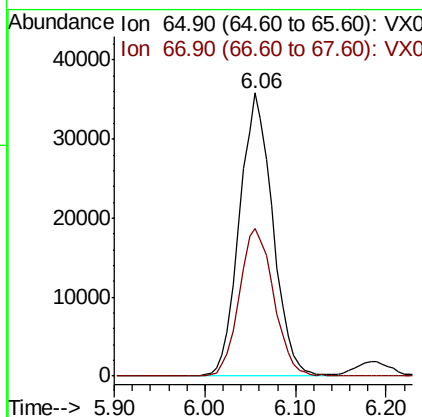
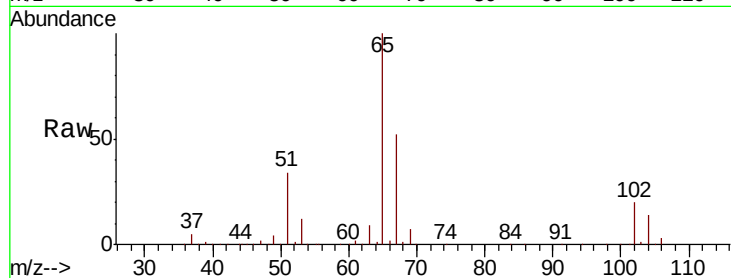




#33
 1,2-Dichloroethane-d4
 Concen: 55.431 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

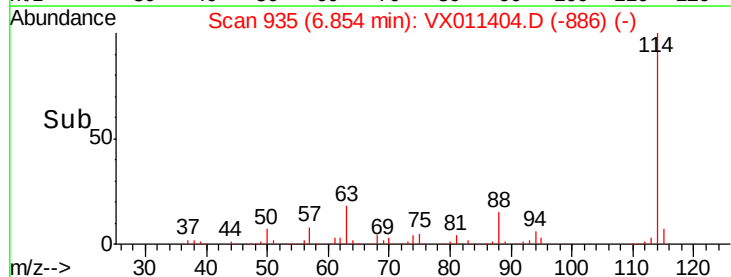
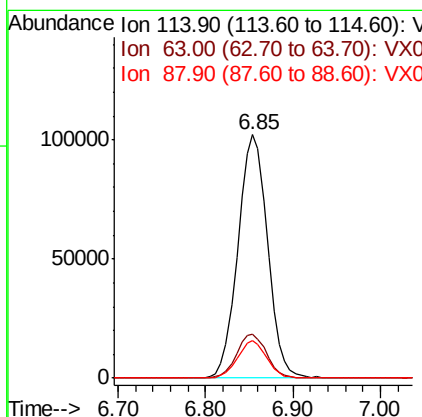
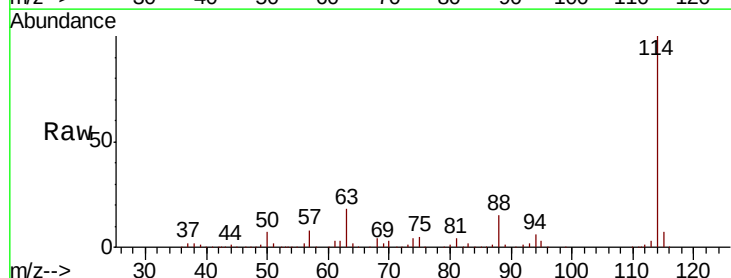
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

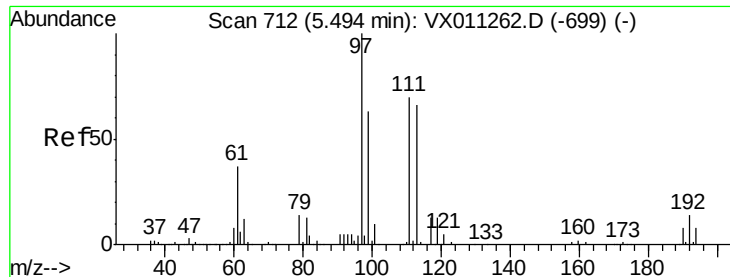
Tgt Ion: 65 Resp: 91277
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion: 114 Resp: 240383
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 34.0
 88 15.4 0.0 26.4





#35

Dibromofluoromethane

Concen: 51.370 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

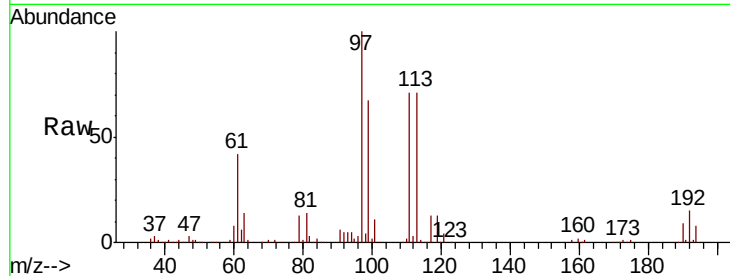
Tgt Ion:113 Resp: 80620

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

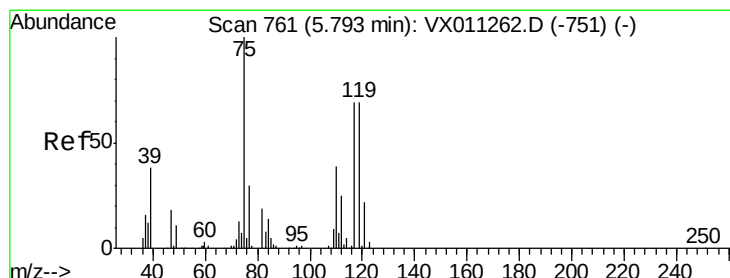
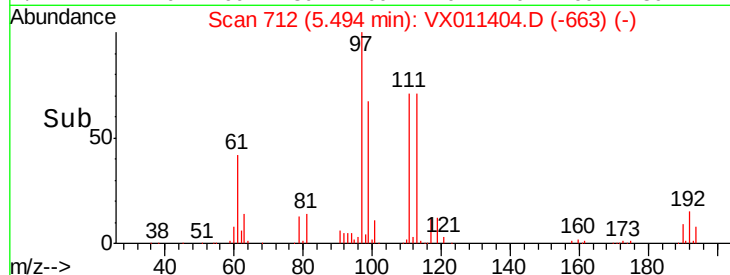
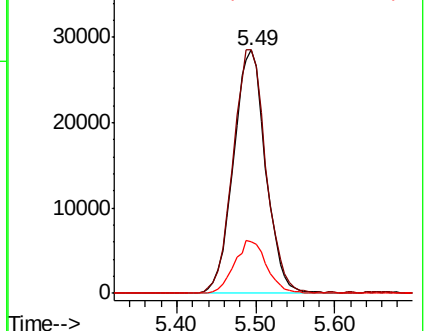
192 21.8 17.8 26.8



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: 49.302 ug/l

RT: 5.79 min Scan# 761

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

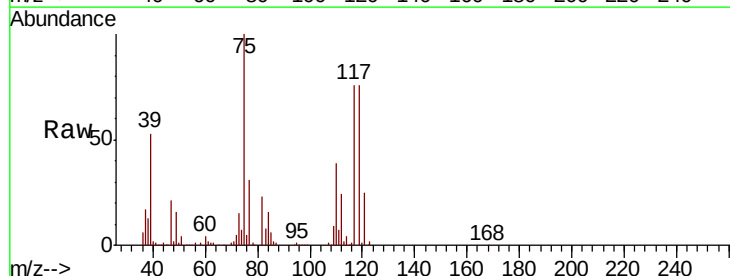
Tgt Ion: 75 Resp: 103474

Ion Ratio Lower Upper

75 100

110 37.4 20.0 59.9

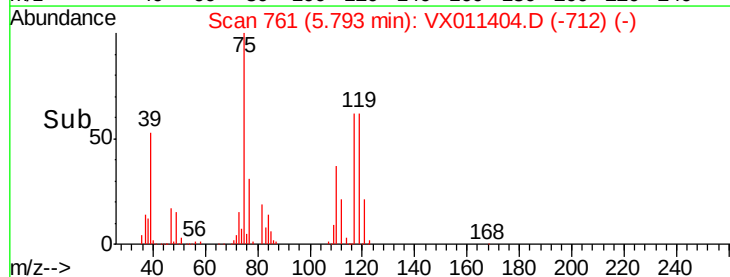
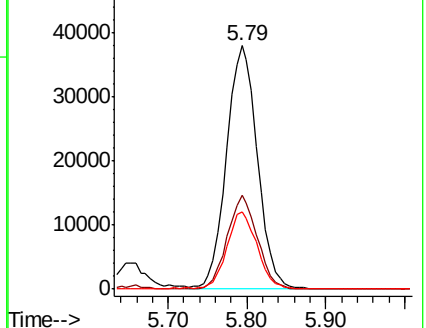
77 30.9 24.8 37.2

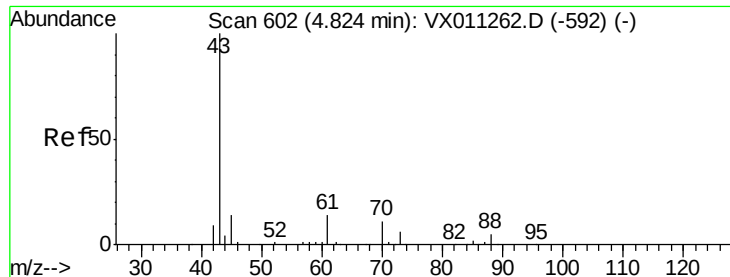


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 53.447 ug/l

RT: 4.82 min Scan# 602

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

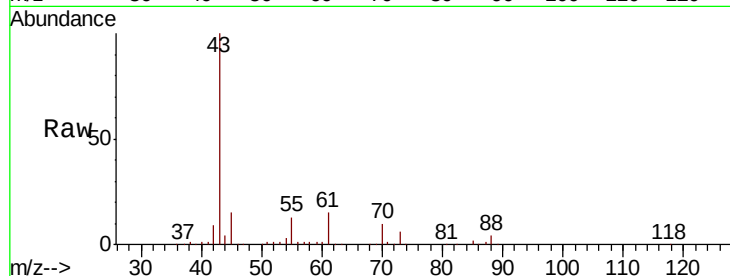
Tgt Ion: 43 Resp: 112517

Ion Ratio Lower Upper

43 100

61 15.3 12.6 18.8

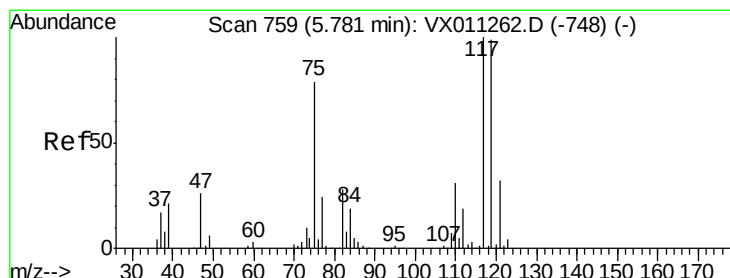
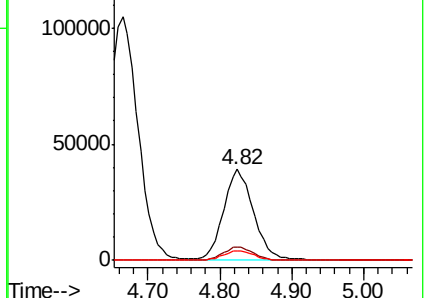
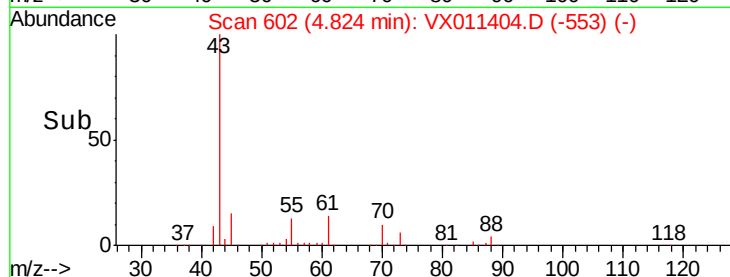
70 11.2 9.1 13.7



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: 53.743 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

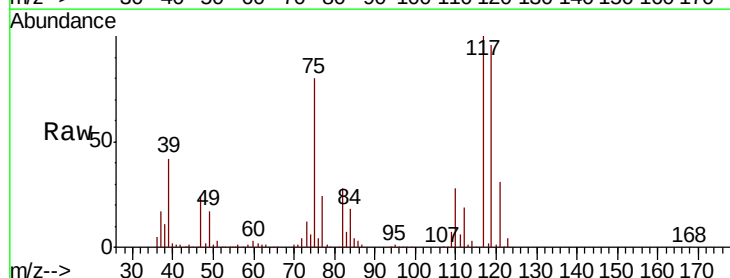
Tgt Ion: 117 Resp: 113479

Ion Ratio Lower Upper

117 100

119 95.7 79.0 118.4

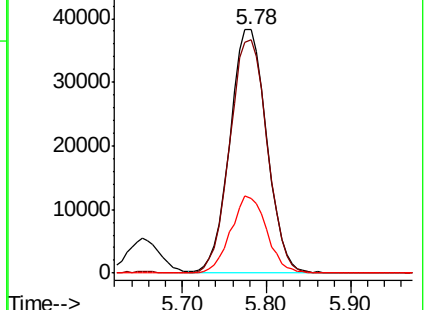
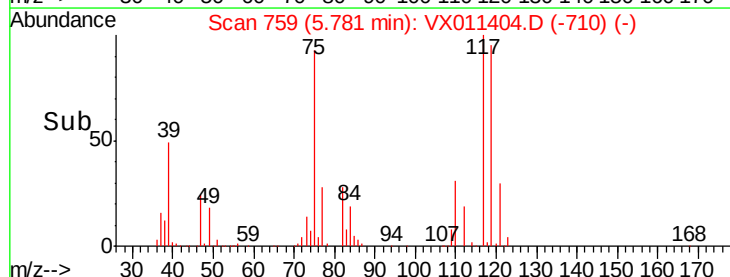
121 30.6 25.9 38.9

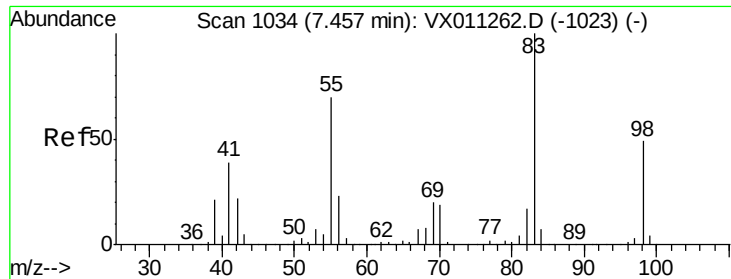


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

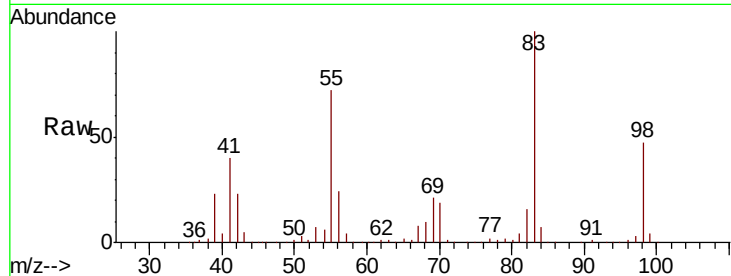




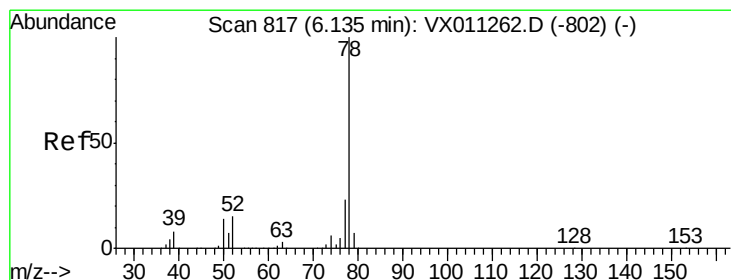
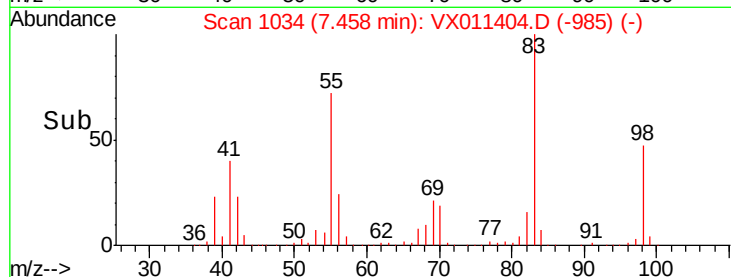
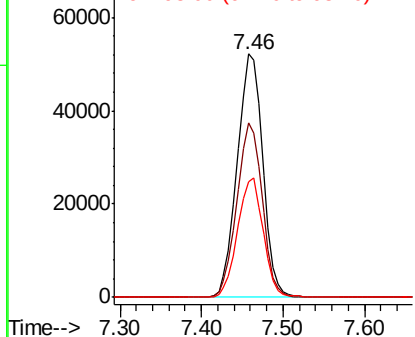
#39
Methylcyclohexane
Concen: 45.501 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.8	56.1	84.1
98	47.3	39.0	58.4

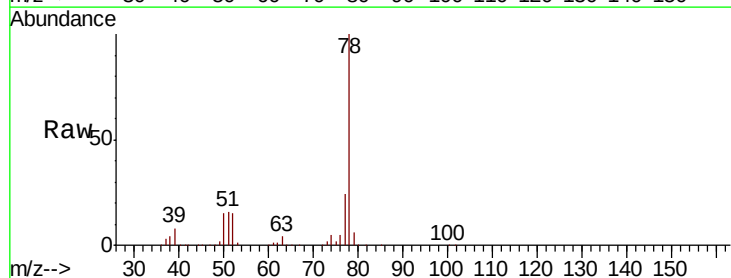


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

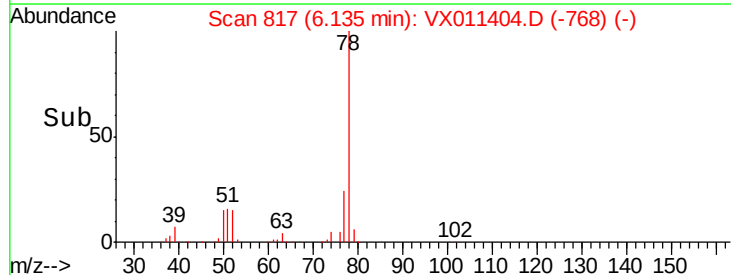
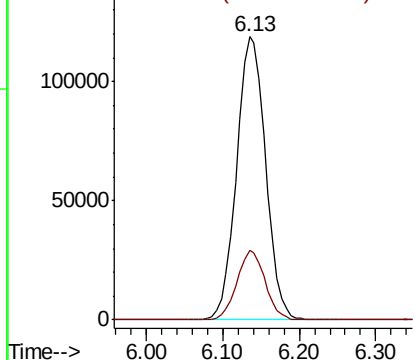


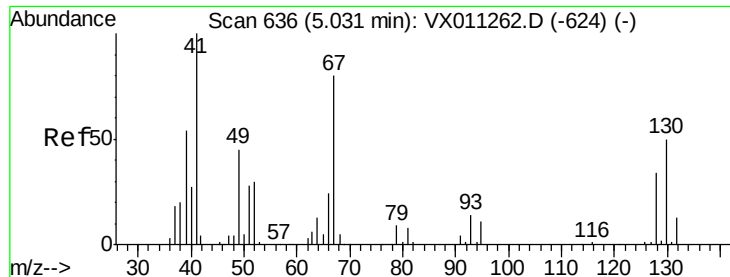
#40
Benzene
Concen: 49.824 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.2	27.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

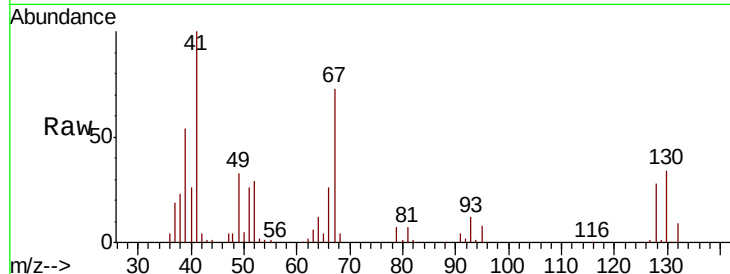




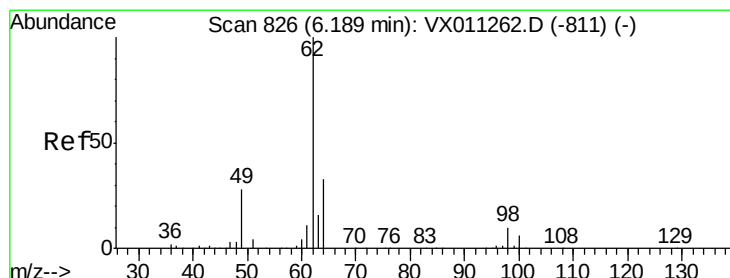
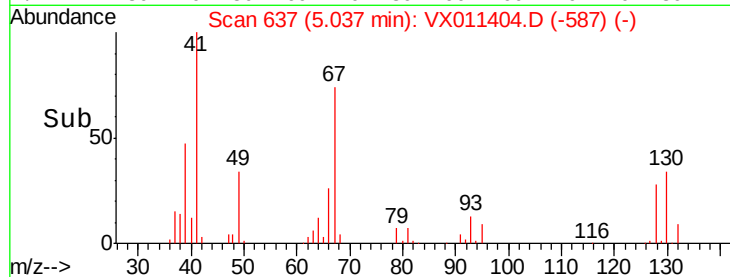
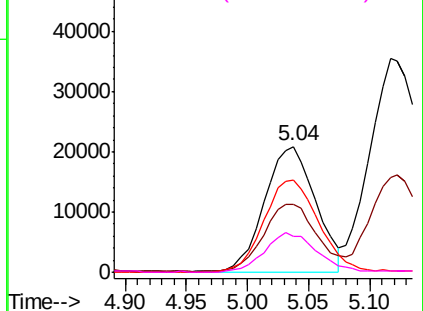
#41
Methacrylonitrile
Concen: 52.476 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tgt Ion:	41	Resp:	60333
Ion	Ratio	Lower	Upper
41	100		
39	57.2	43.0	64.6
67	80.0	65.1	97.7
52	33.5	24.8	37.2

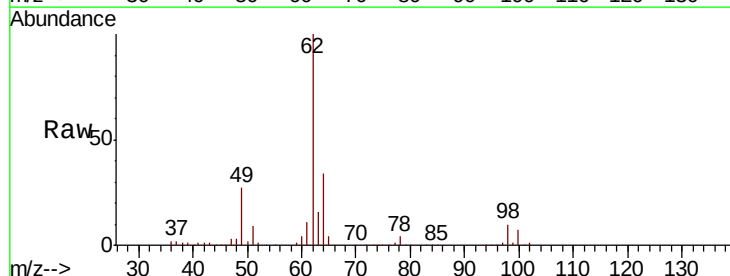


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

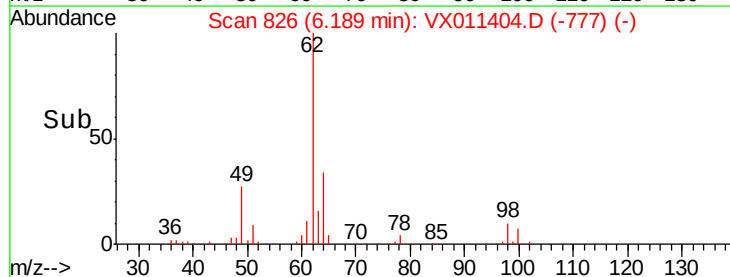
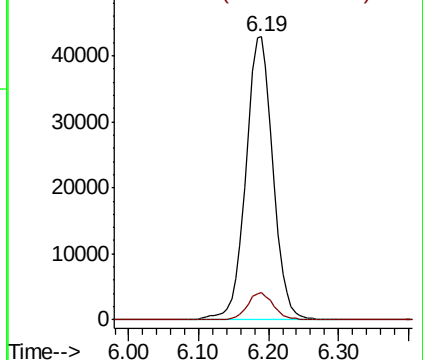


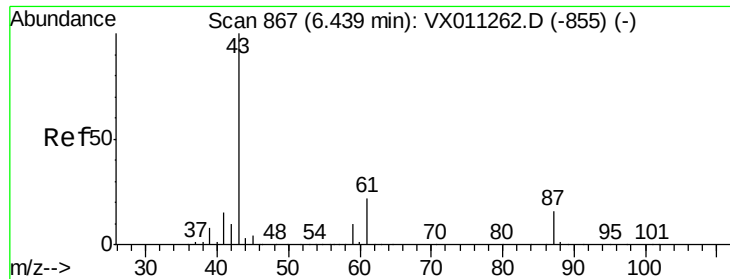
#42
1,2-Dichloroethane
Concen: 54.413 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion:	62	Resp:	115236
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 53.659 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

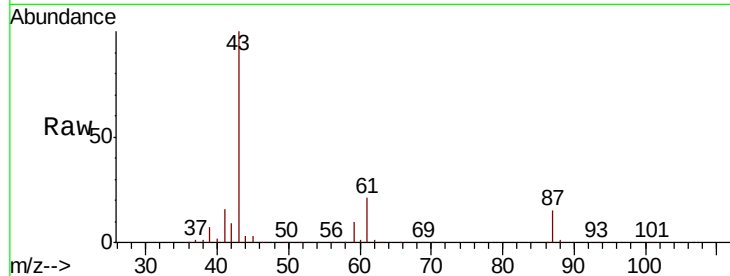
Tgt Ion: 43 Resp: 180604

Ion Ratio Lower Upper

43 100

61 20.6 16.5 24.7

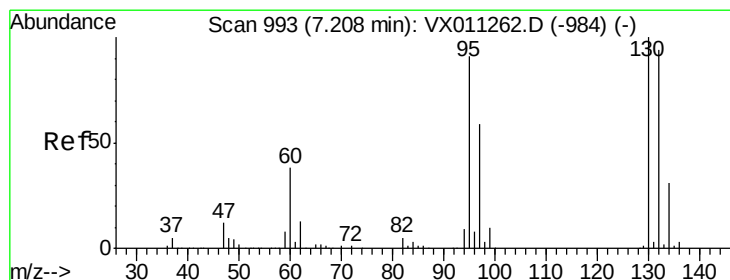
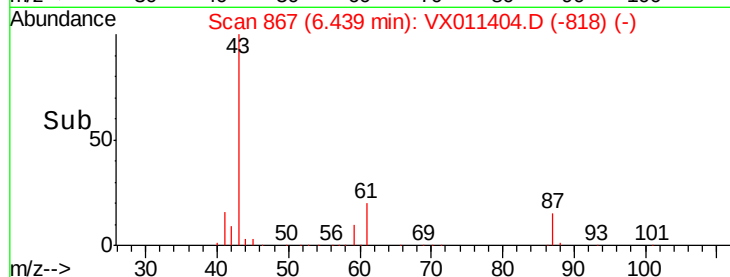
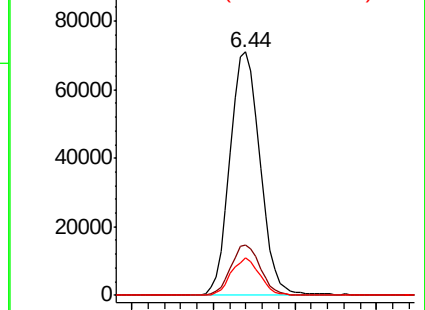
87 14.7 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 47.402 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011404.D

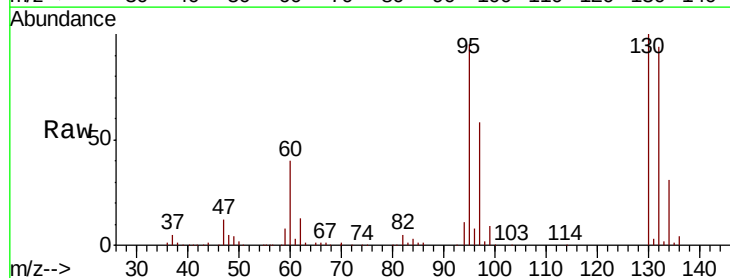
Acq: 09 Aug 2019 12:58

Tgt Ion: 130 Resp: 89860

Ion Ratio Lower Upper

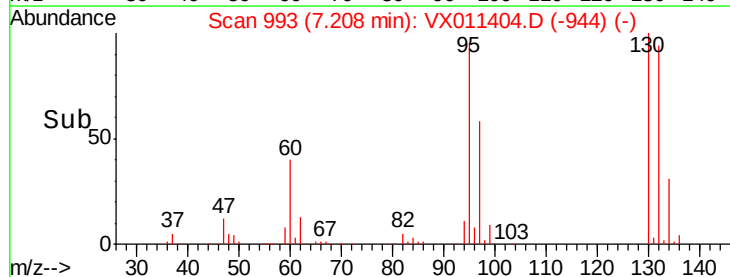
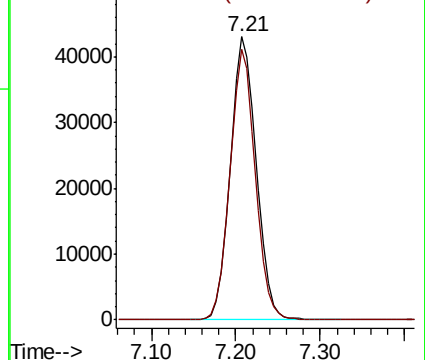
130 100

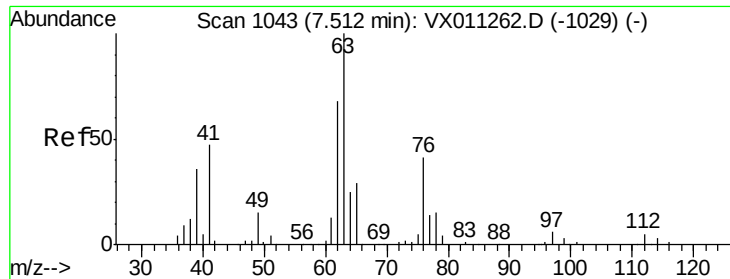
95 95.4 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

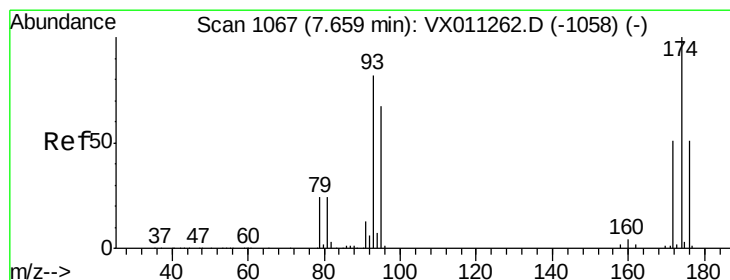
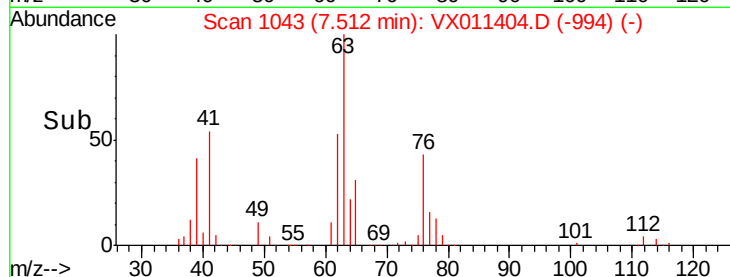
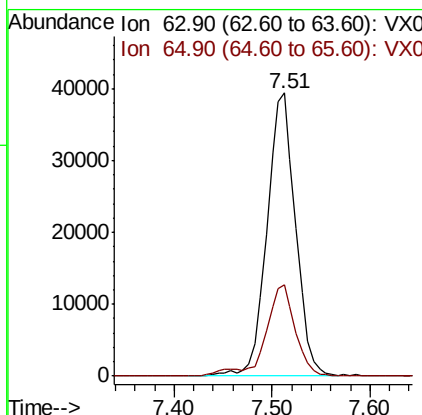
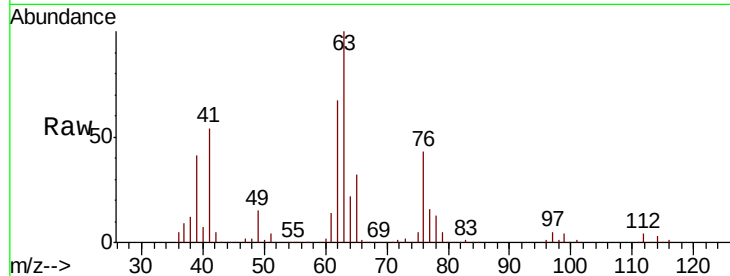




#45
 1,2-Dichloropropane
 Concen: 49.555 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

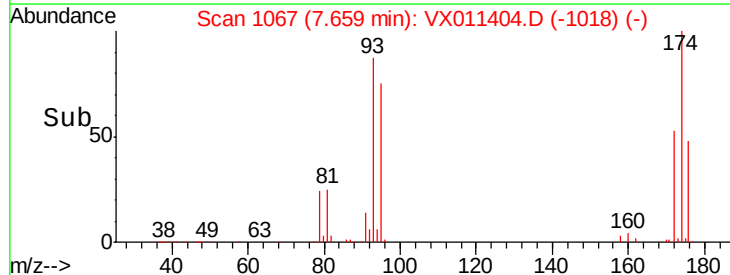
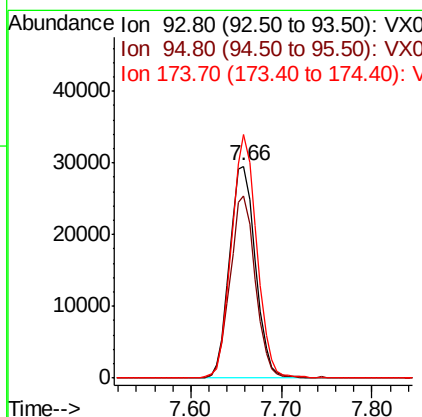
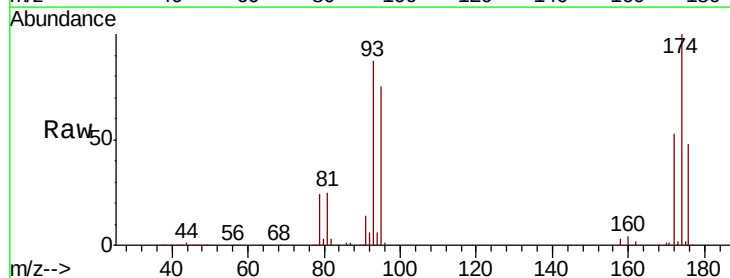
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

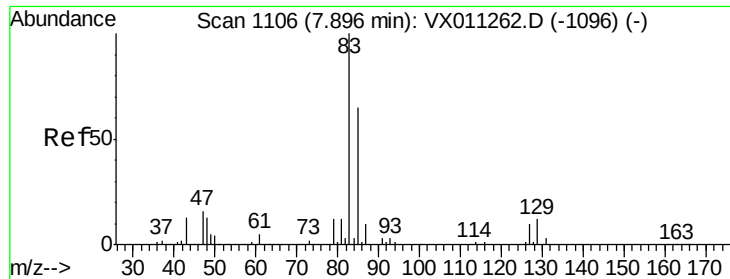
Tgt Ion: 63 Resp: 80377
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.3 34.9



#46
 Dibromomethane
 Concen: 49.565 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion: 93 Resp: 58688
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.4 99.6
 174 112.5 93.4 140.2





#47

Bromodichloromethane

Concen: 54.591 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

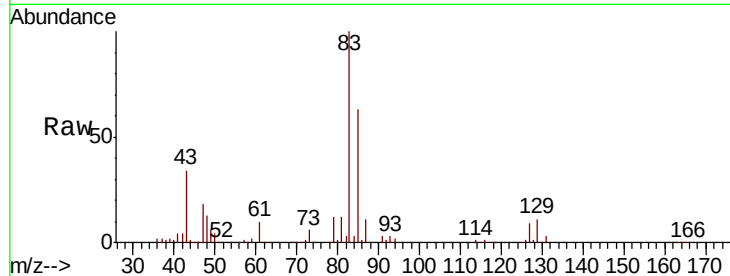
Tgt Ion: 83 Resp: 109440

Ion Ratio Lower Upper

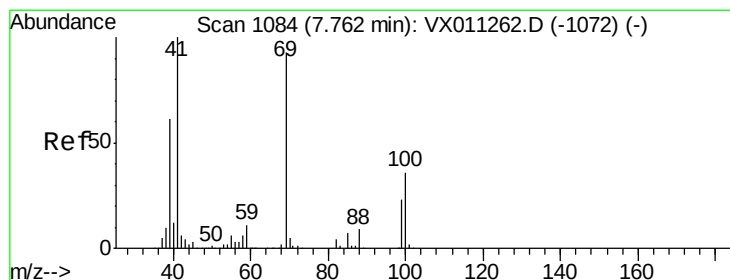
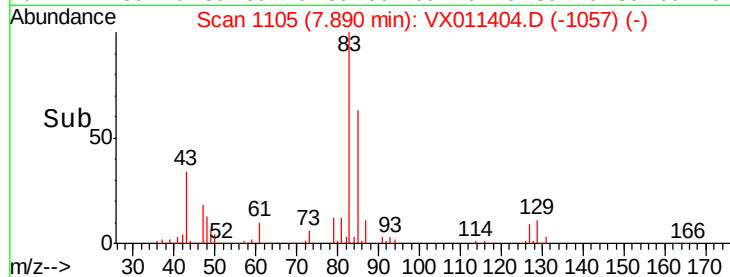
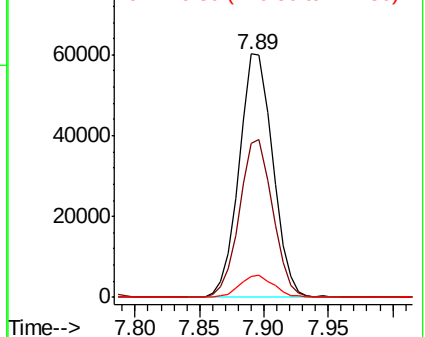
83 100

85 63.0 52.2 78.2

127 8.5 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: 55.763 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

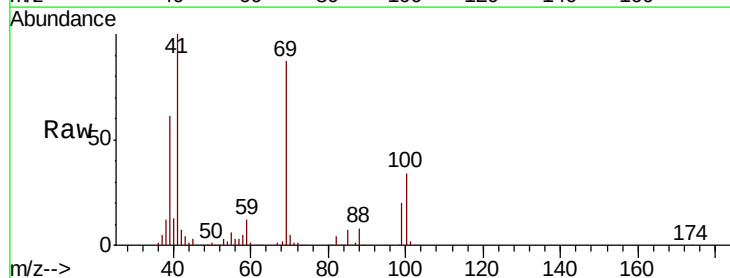
Tgt Ion: 41 Resp: 88327

Ion Ratio Lower Upper

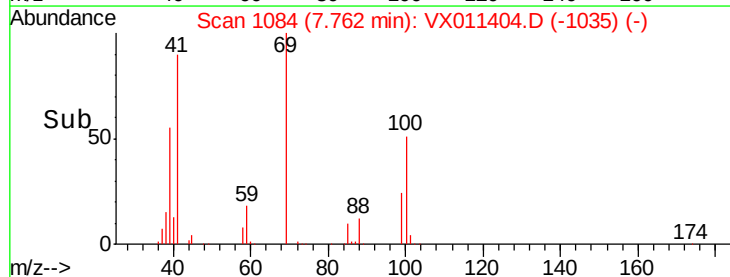
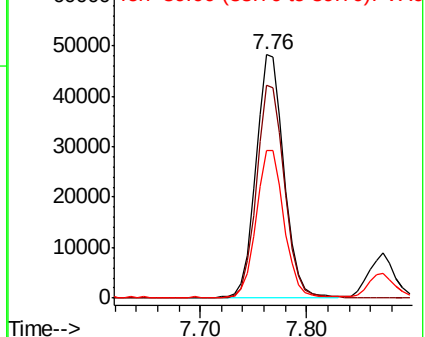
41 100

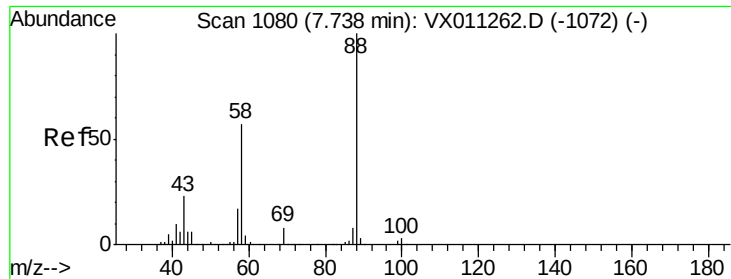
69 88.4 74.5 111.7

39 60.2 48.6 72.8



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

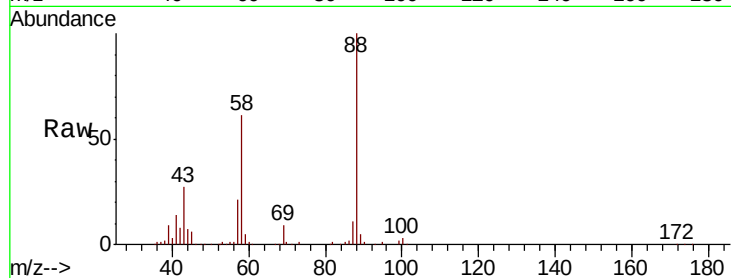




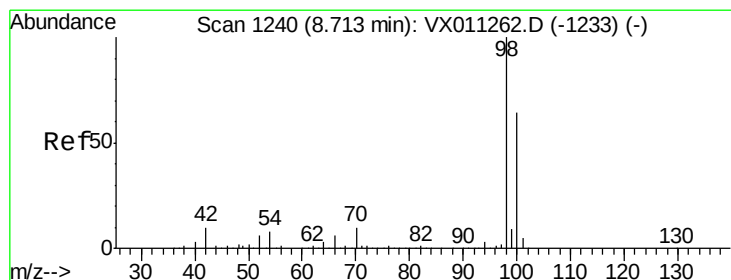
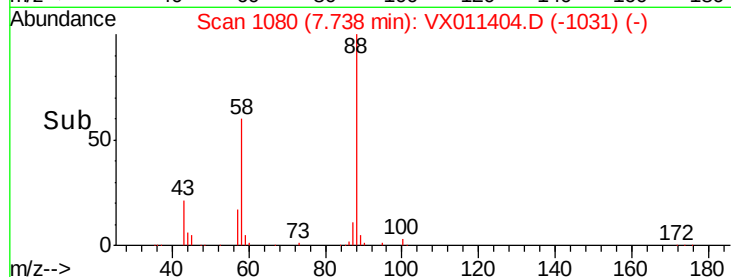
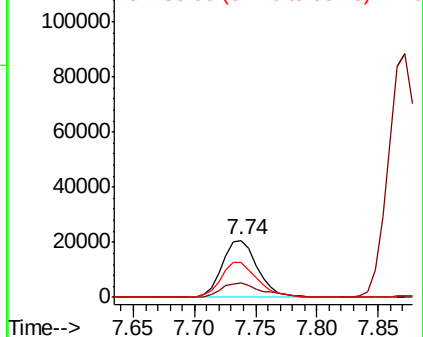
#49
1,4-Dioxane
Concen: 908.804 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tgt Ion: 88 Resp: 41733
Ion Ratio Lower Upper
88 100
43 29.1 22.2 33.2
58 63.5 47.8 71.8

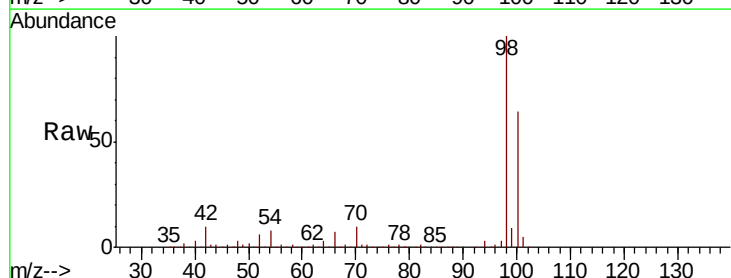


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

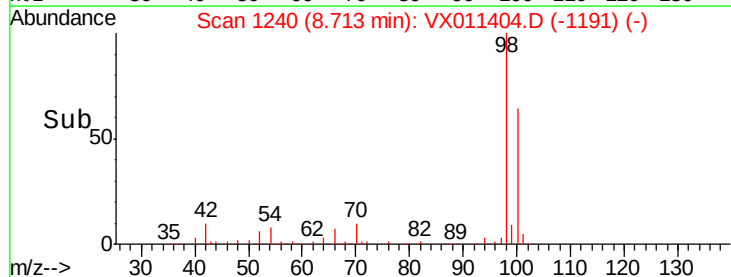
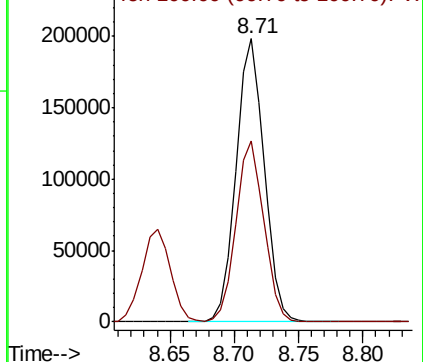


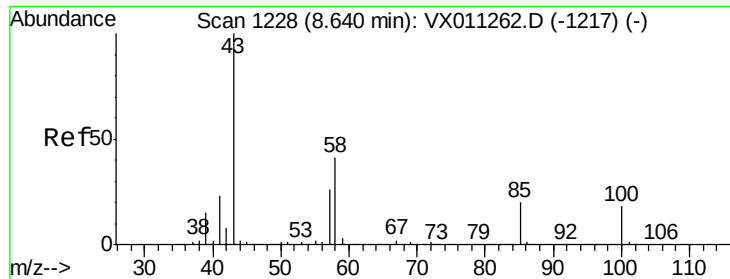
#50
Toluene-d8
Concen: 50.635 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion: 98 Resp: 299965
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



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

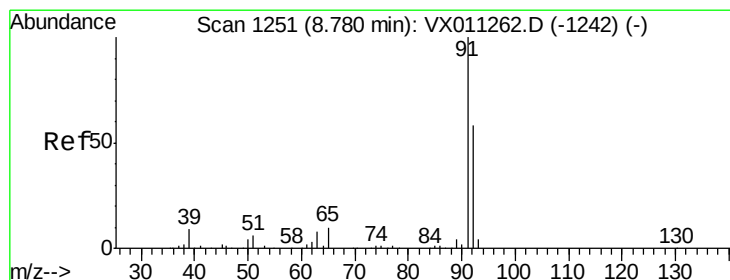
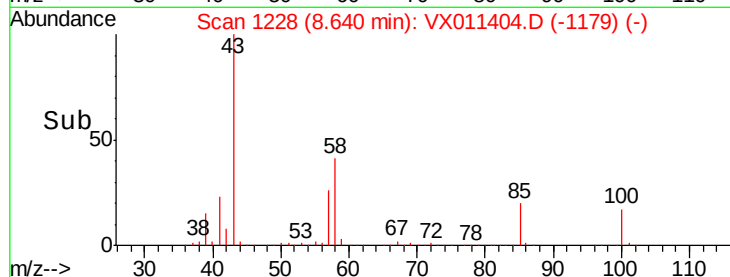
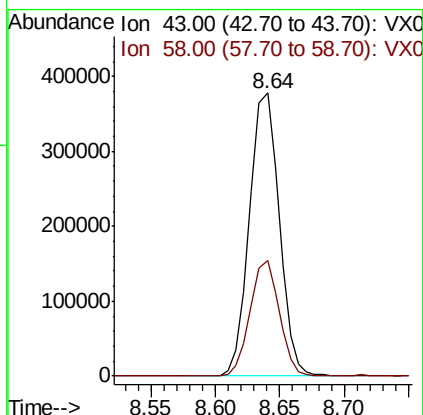
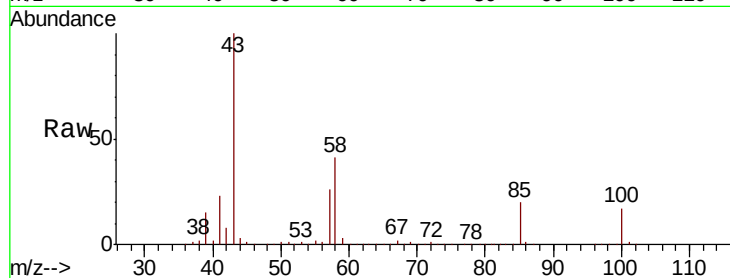




#51
 4-Methyl-2-Pentanone
 Concen: 277.342 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

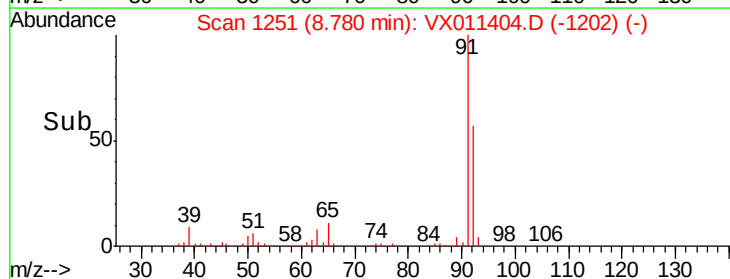
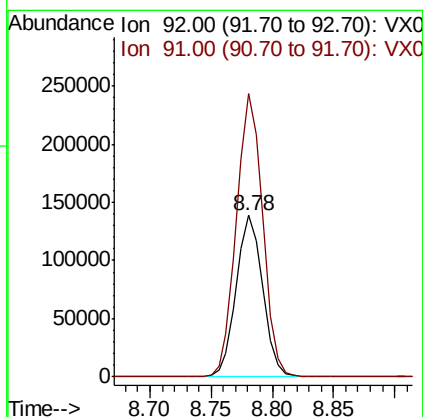
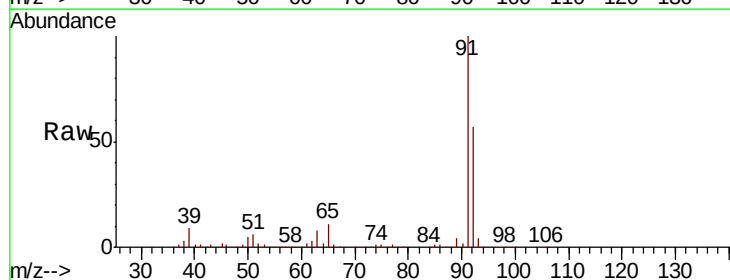
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

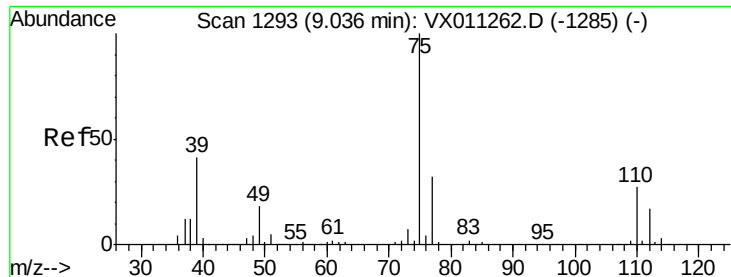
Tgt Ion: 43 Resp: 602425
 Ion Ratio Lower Upper
 43 100
 58 39.8 32.3 48.5



#52
 Toluene
 Concen: 50.102 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion: 92 Resp: 207465
 Ion Ratio Lower Upper
 92 100
 91 174.2 139.4 209.0

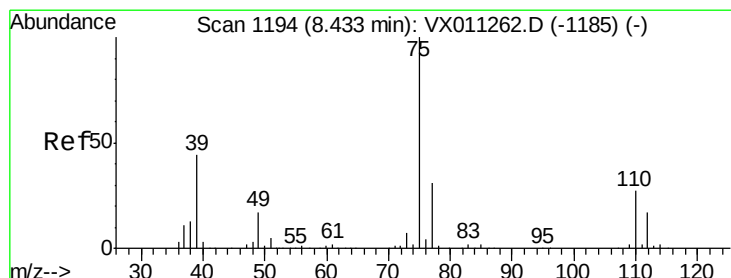
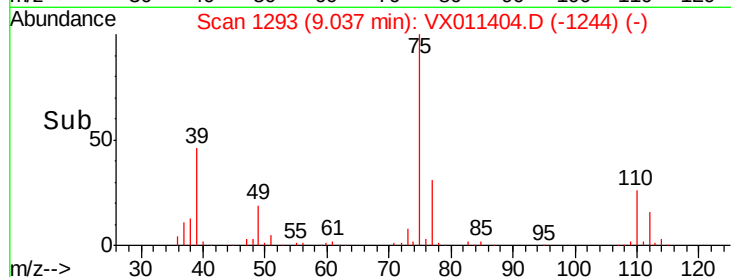
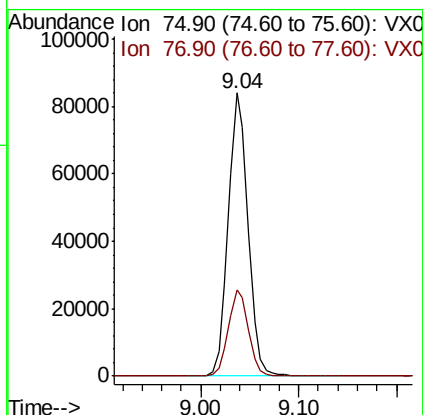
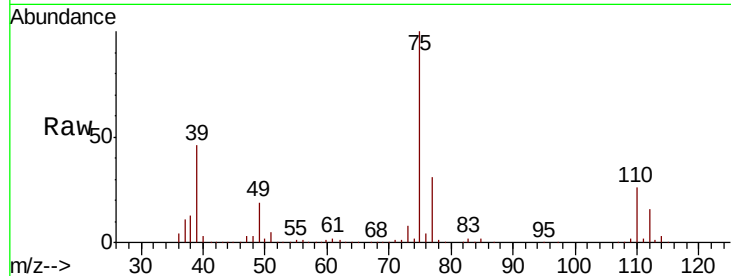




#53
t-1,3-Dichloropropene
Concen: 50.502 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

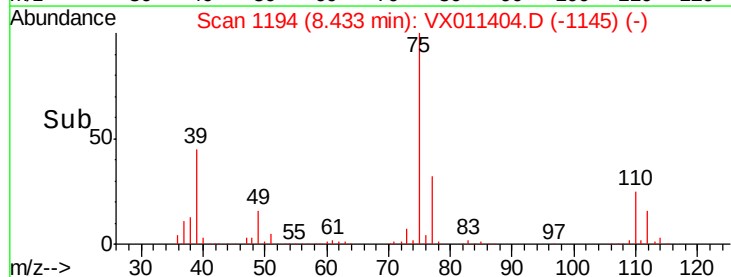
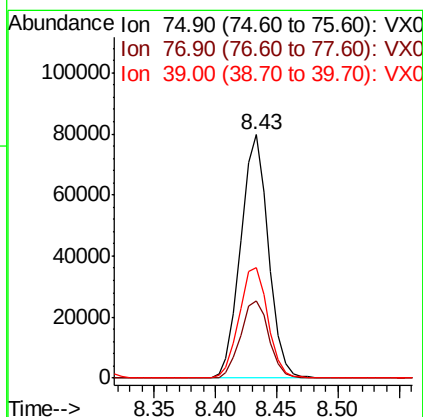
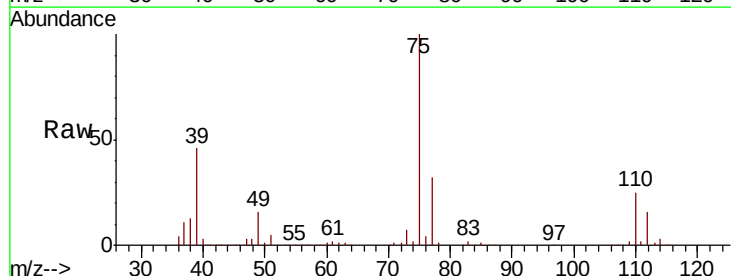
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

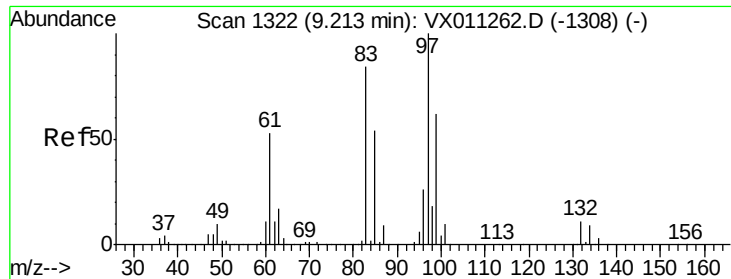
Tgt Ion: 75 Resp: 117976
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 53.529 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion: 75 Resp: 125353
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.6
39 45.3 35.3 52.9

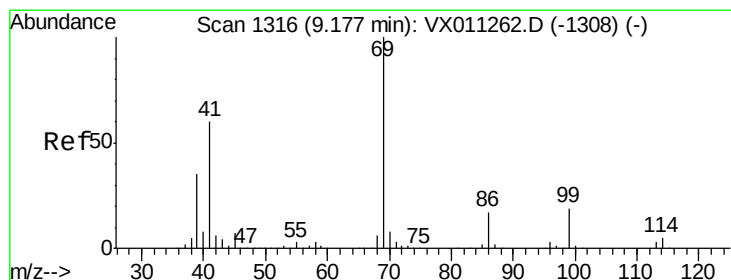
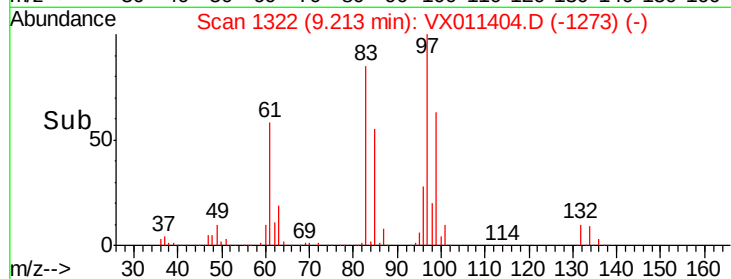
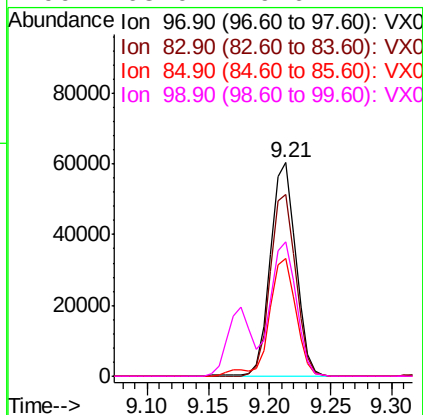
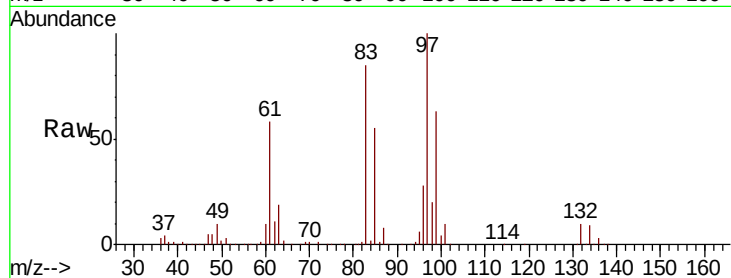




#55
 1,1,2-Trichloroethane
 Concen: 51.462 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

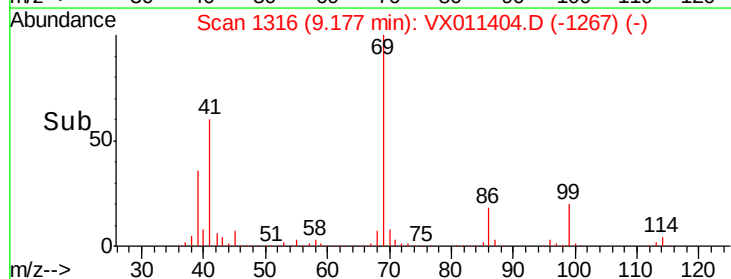
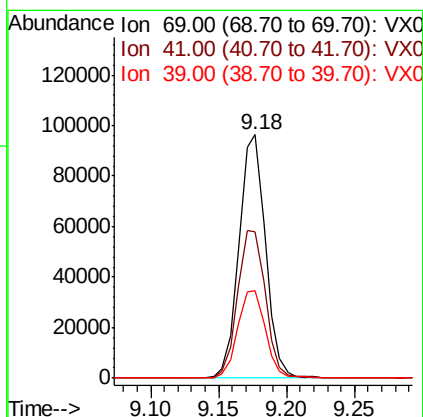
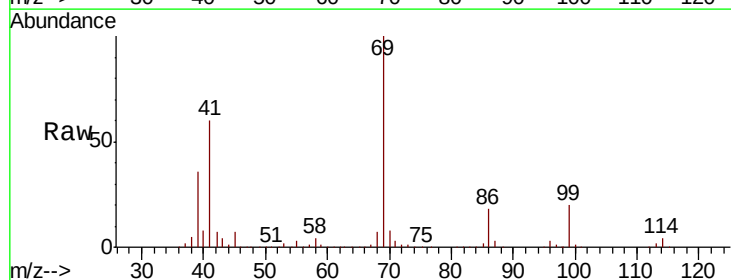
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

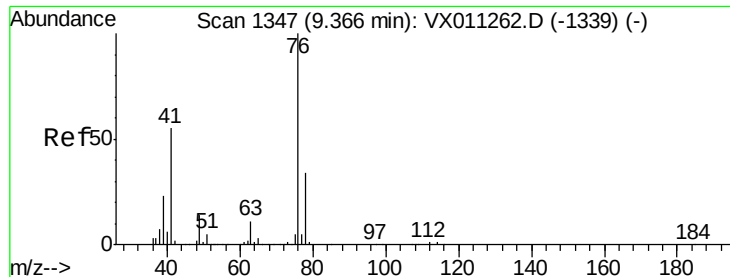
Tgt Ion:	97	Resp:	87615
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.6	101.4
85	54.9	43.4	65.0
99	63.0	49.6	74.4



#56
 Ethyl methacrylate
 Concen: 53.916 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion:	69	Resp:	130810
Ion	Ratio	Lower	Upper
69	100		
41	63.6	48.6	73.0
39	37.3	29.4	44.2

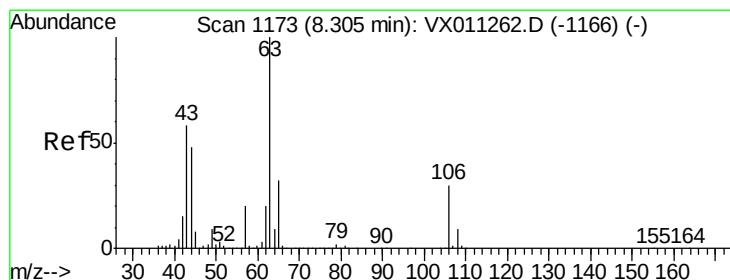
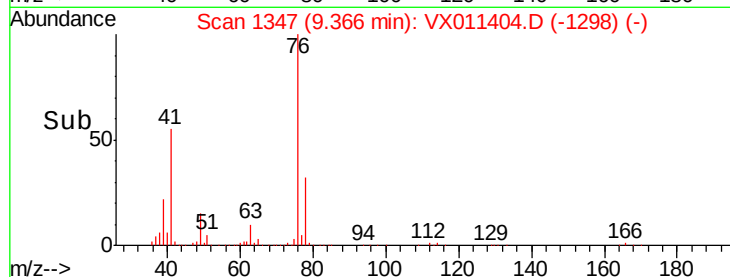
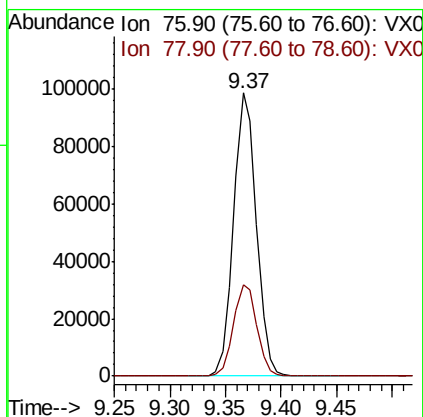
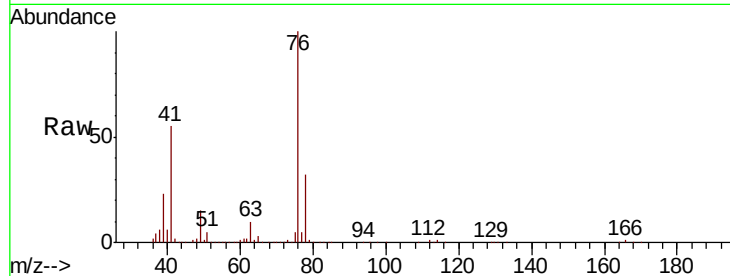




#57
 1,3-Dichloropropane
 Concen: 51.861 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

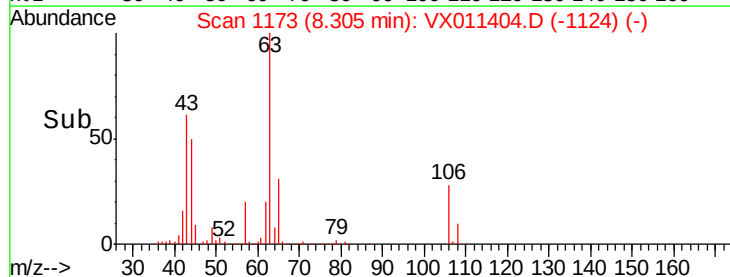
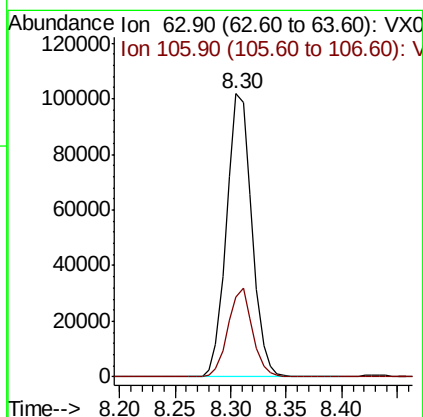
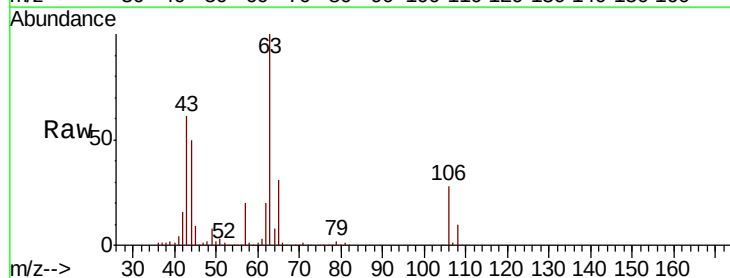
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

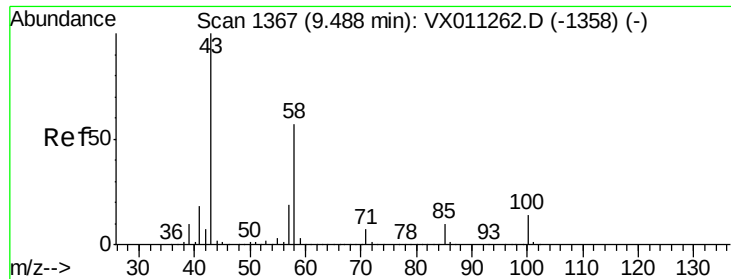
Tgt Ion: 76 Resp: 139638
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 134.336 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion: 63 Resp: 160254
 Ion Ratio Lower Upper
 63 100
 106 29.9 24.4 36.6

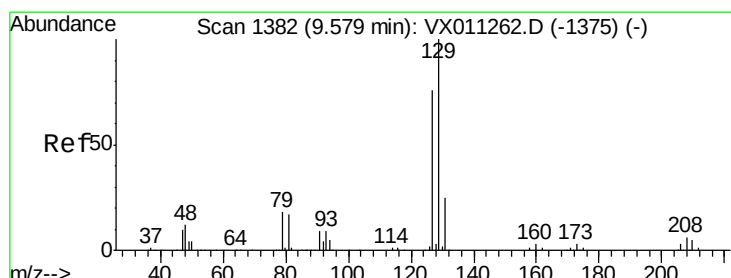
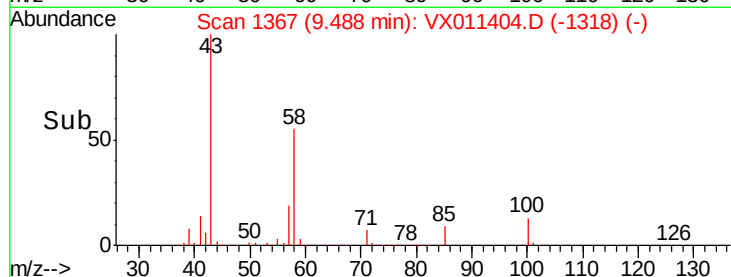
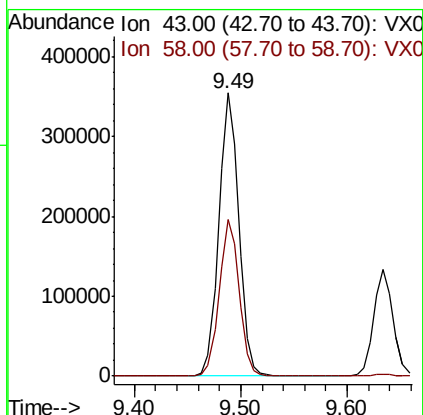
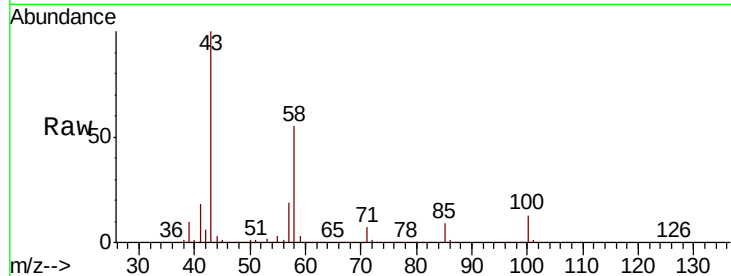




#59
2-Hexanone
Concen: 274.940 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

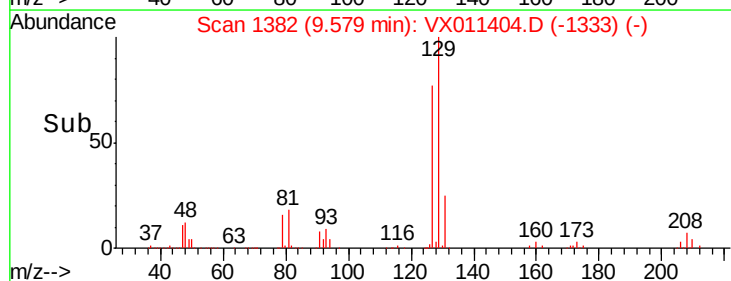
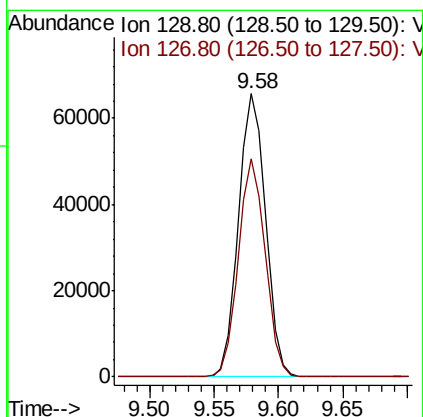
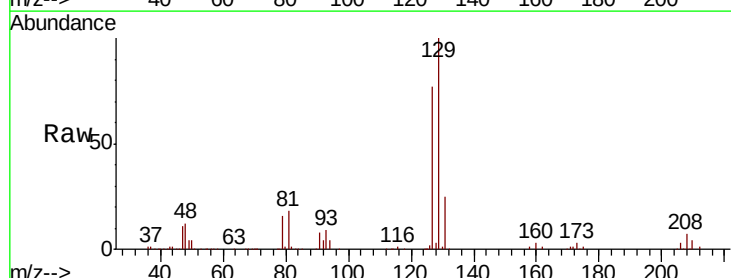
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

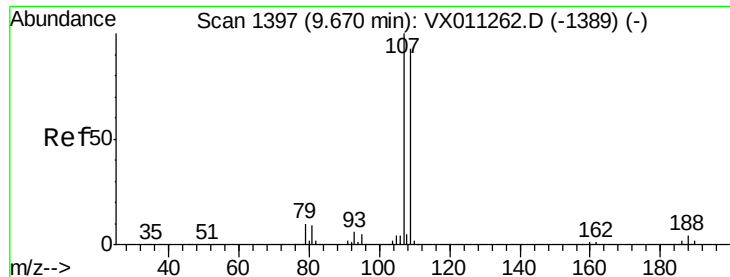
Tgt Ion: 43 Resp: 462575
Ion Ratio Lower Upper
43 100
58 55.4 28.2 84.6



#60
Dibromochloromethane
Concen: 54.931 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion: 129 Resp: 95748
Ion Ratio Lower Upper
129 100
127 76.5 39.2 117.6





#61

1,2-Dibromoethane

Concen: 51.761 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

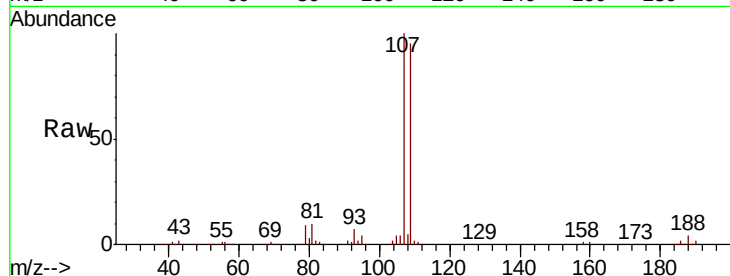
EP1-MW-K-0819MSD

Tgt Ion: 107 Resp: 95209

Ion Ratio Lower Upper

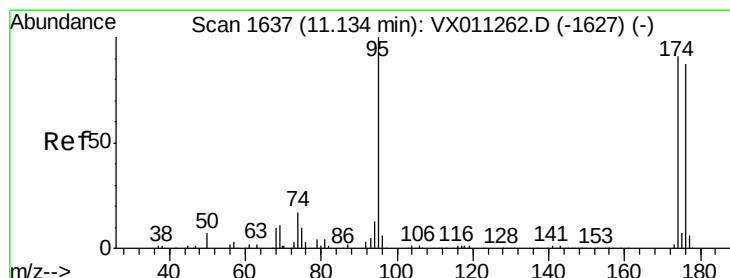
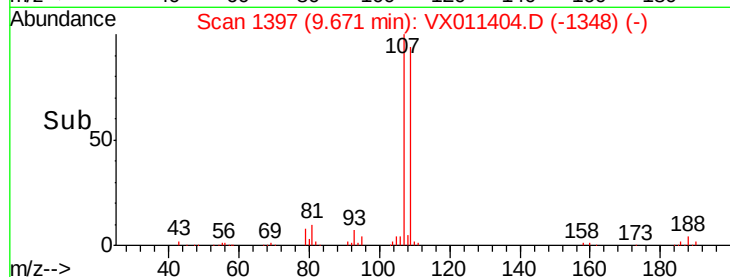
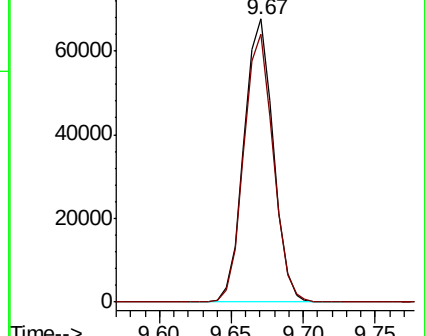
107 100

109 95.1 76.6 114.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.787 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

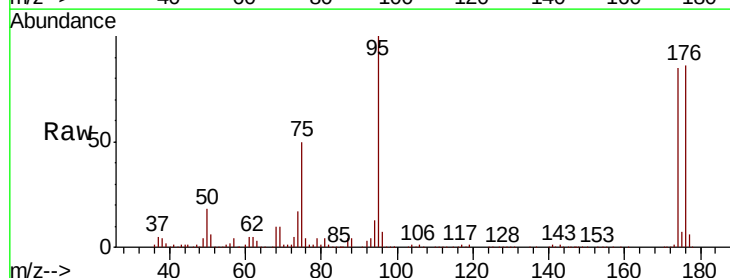
Tgt Ion: 95 Resp: 113762

Ion Ratio Lower Upper

95 100

174 89.7 0.0 191.2

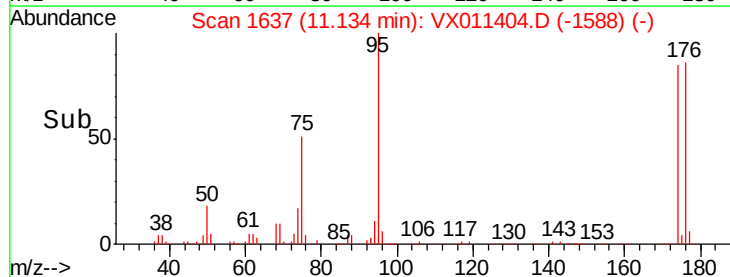
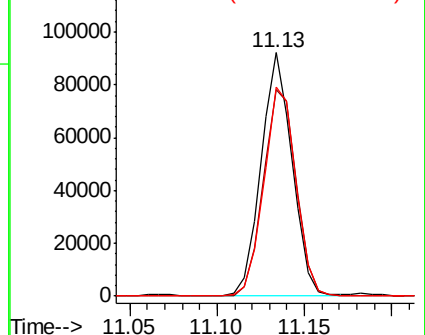
176 88.4 0.0 184.8

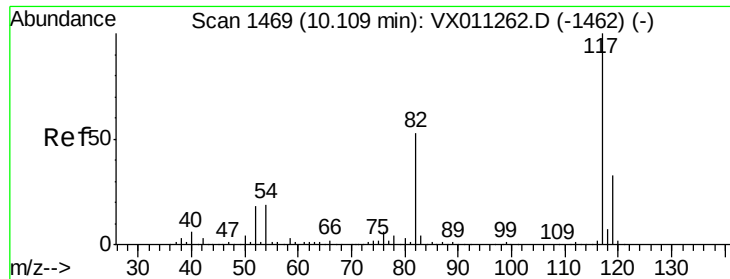


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

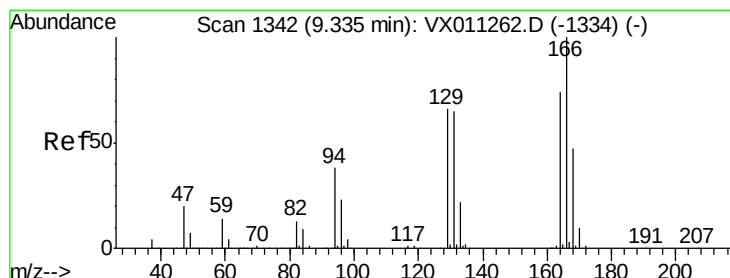
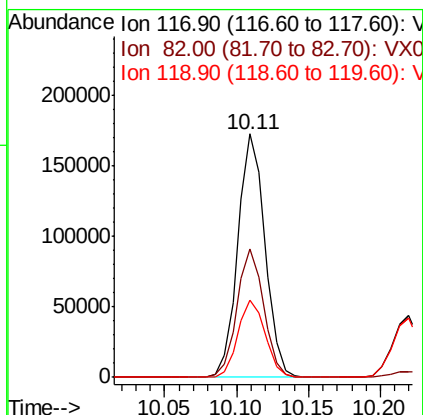
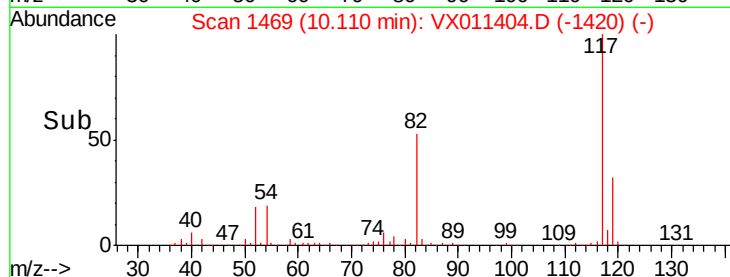
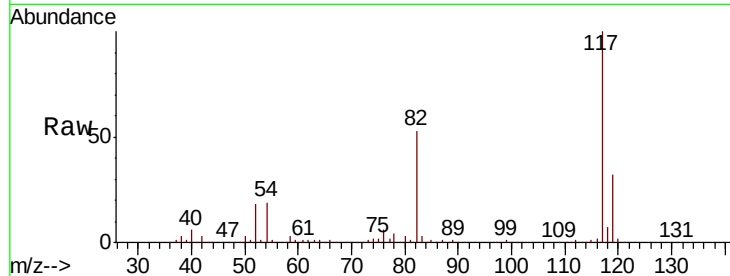




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

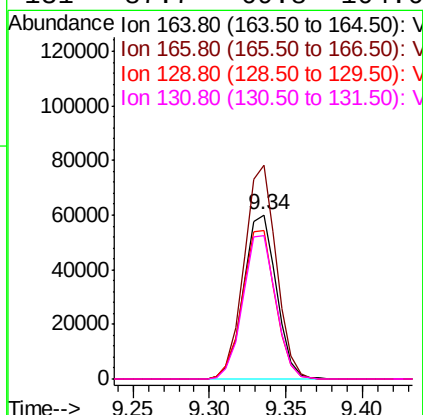
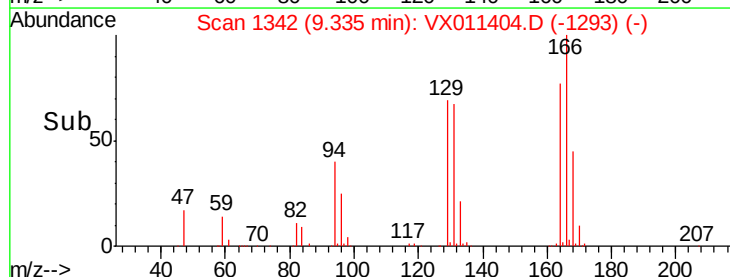
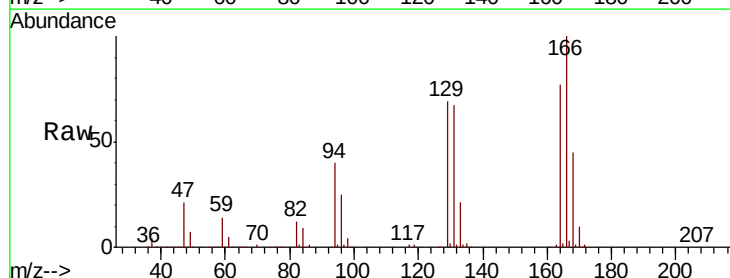
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

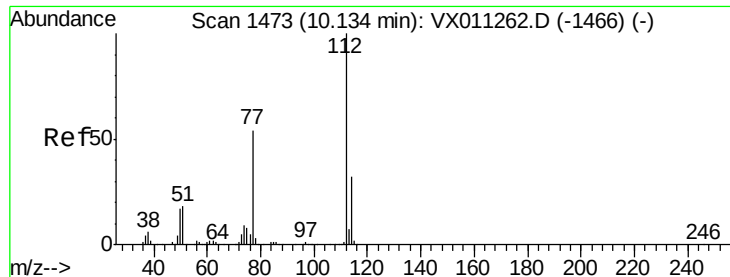
Tgt Ion:117 Resp: 226270
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.2
119 31.6 26.6 39.8



#64
Tetrachloroethene
Concen: 46.540 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion:164 Resp: 89430
Ion Ratio Lower Upper
164 100
166 130.1 107.5 161.3
129 90.1 71.0 106.4
131 87.7 69.8 104.6

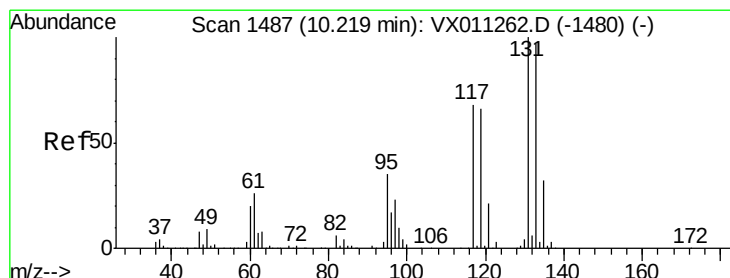
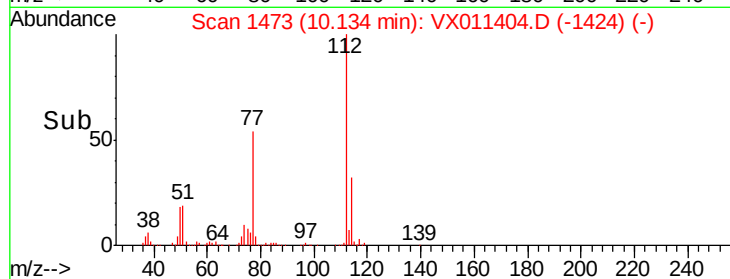
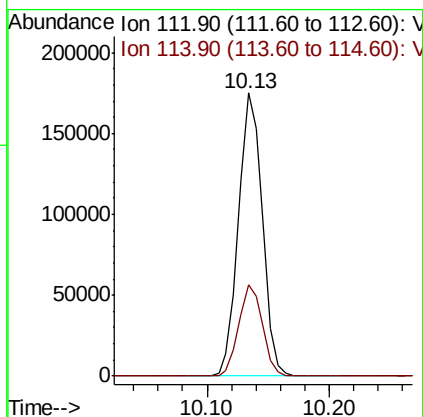
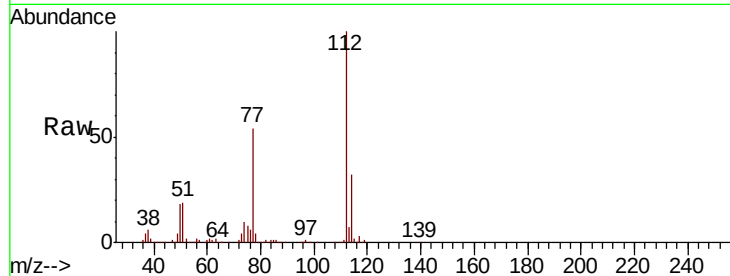




#65
Chlorobenzene
Concen: 48.484 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

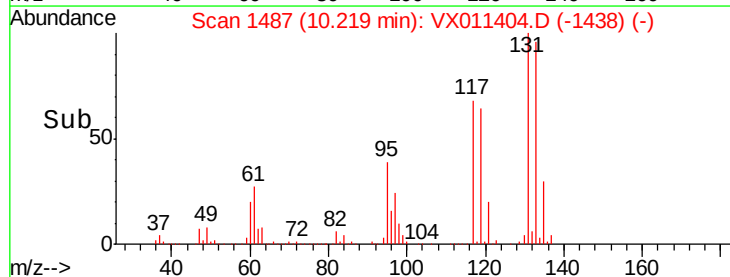
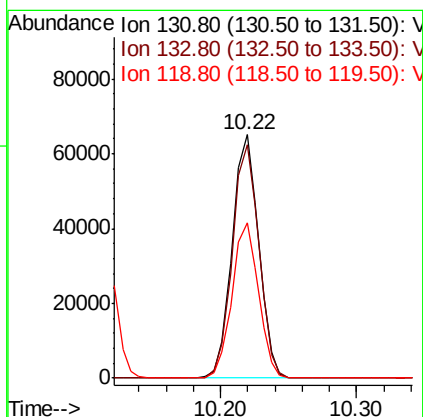
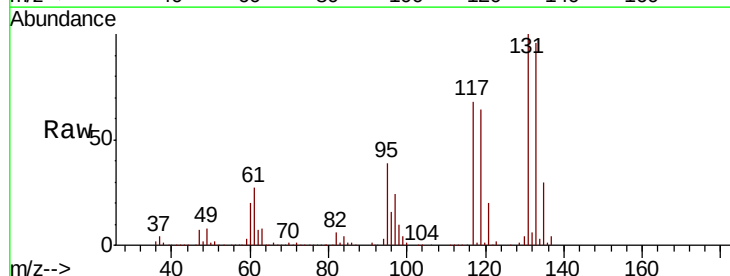
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

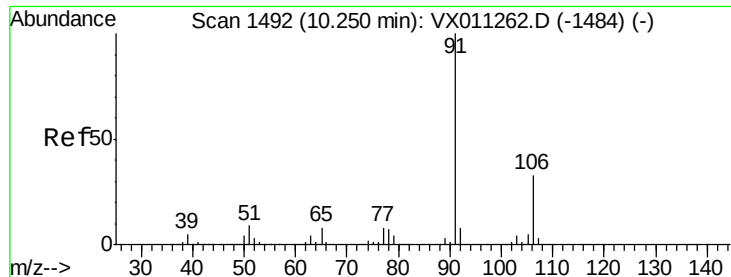
Tgt Ion:112 Resp: 235224
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.131 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion:131 Resp: 88248
Ion Ratio Lower Upper
131 100
133 96.1 47.7 143.1
119 64.2 32.8 98.3

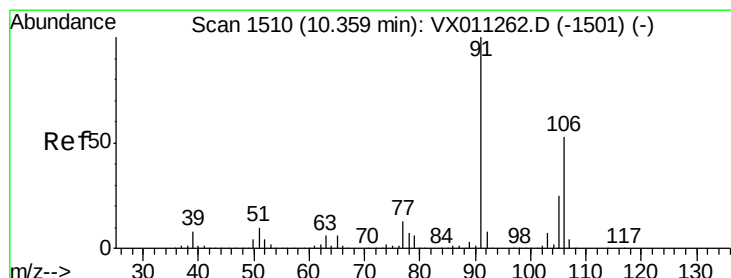
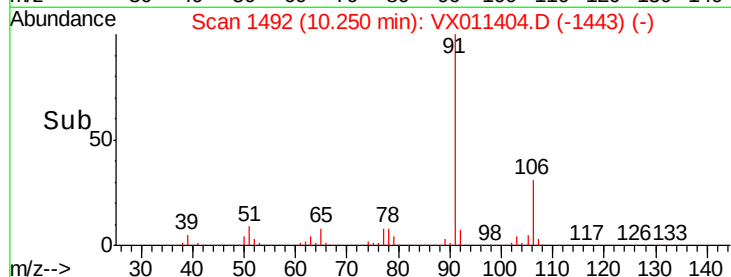
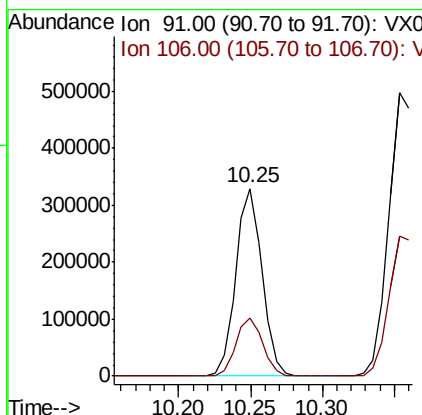
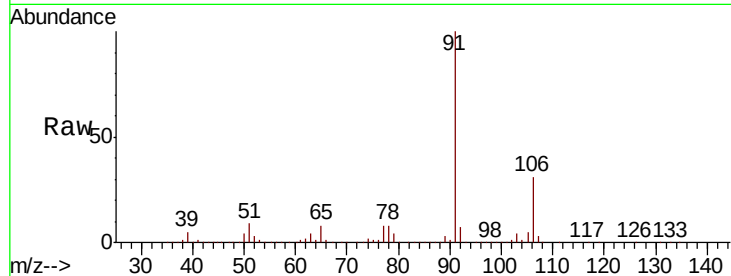




#67
Ethyl Benzene
Concen: 51.652 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

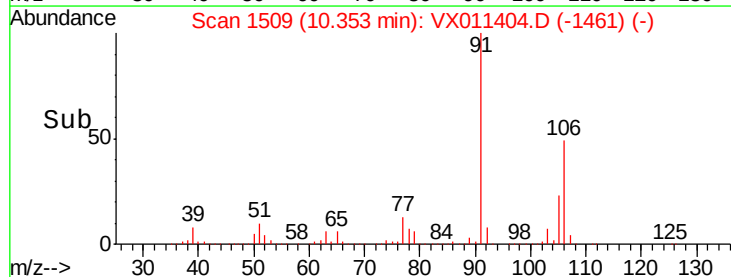
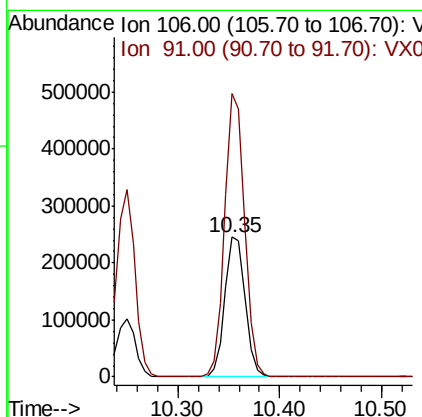
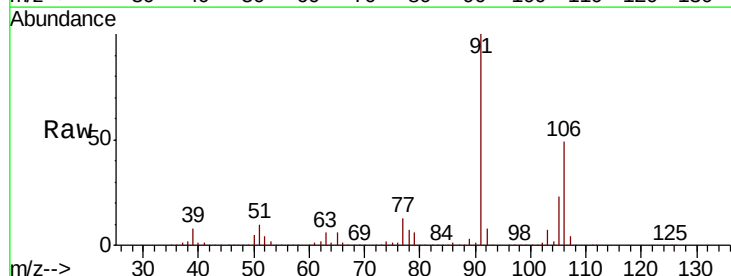
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

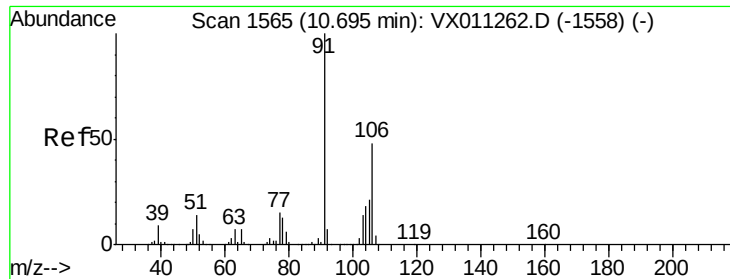
Tgt Ion: 91 Resp: 419676
Ion Ratio Lower Upper
91 100
106 31.2 26.2 39.4



#68
m/p-Xylenes
Concen: 107.960 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion: 106 Resp: 339294
Ion Ratio Lower Upper
106 100
91 198.7 155.9 233.9

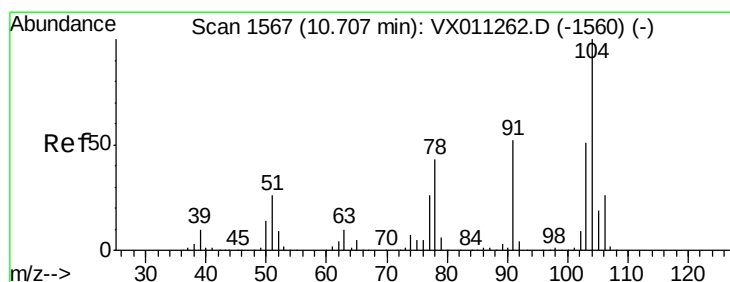
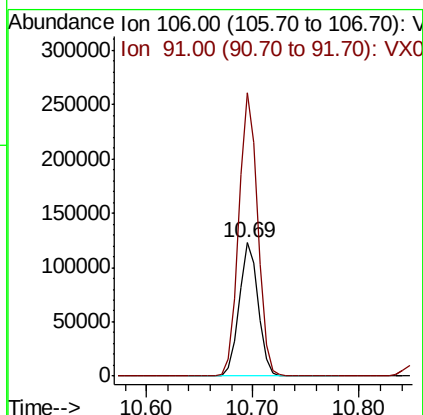
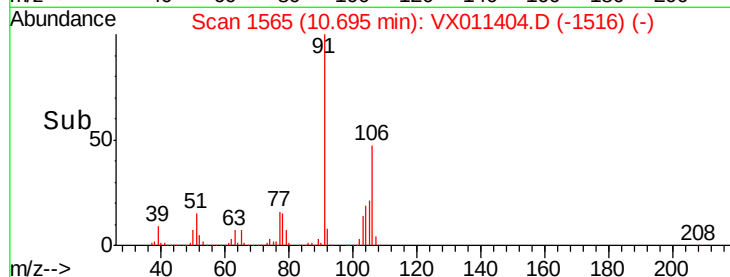
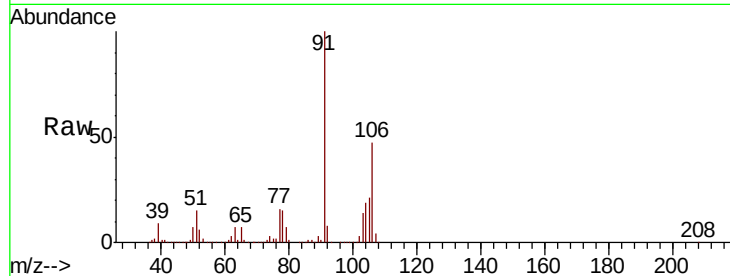




#69
o-Xylene
Concen: 49.814 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

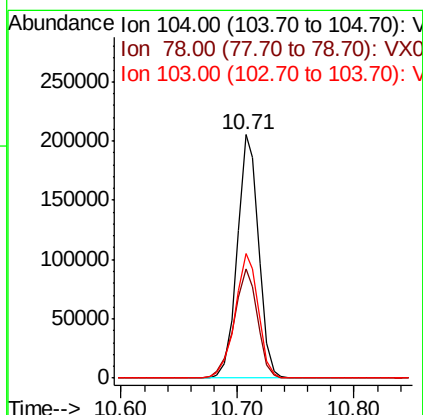
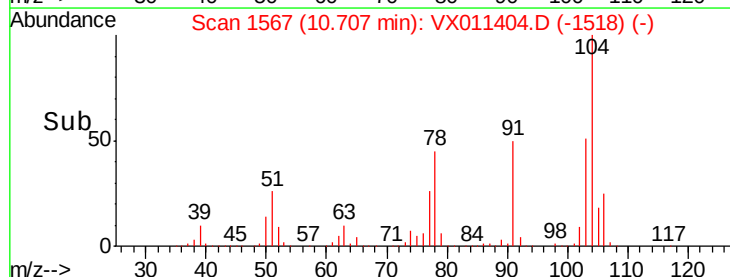
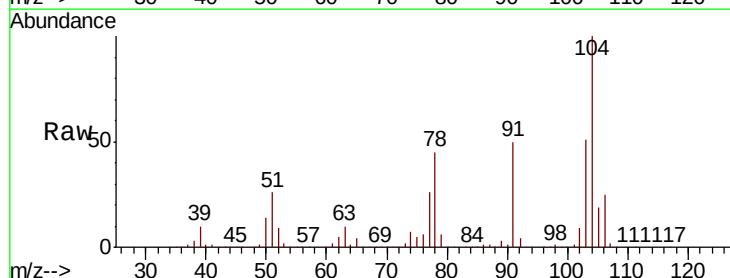
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

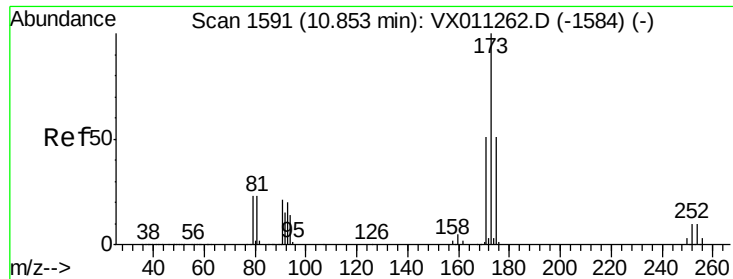
Tgt Ion:106 Resp: 153819
Ion Ratio Lower Upper
106 100
91 212.2 103.8 311.3



#70
Styrene
Concen: 51.317 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion:104 Resp: 262196
Ion Ratio Lower Upper
104 100
78 49.5 36.9 55.3
103 55.7 44.4 66.6





#71

Bromoform

Concen: 49.107 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

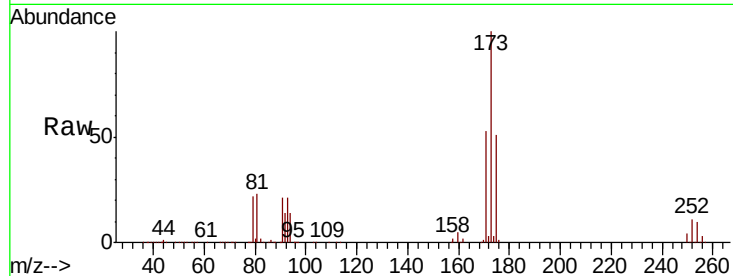
Tgt Ion:173 Resp: 72849

Ion Ratio Lower Upper

173 100

175 49.0 24.4 73.4

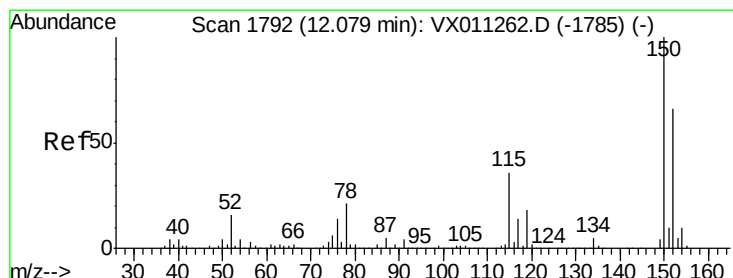
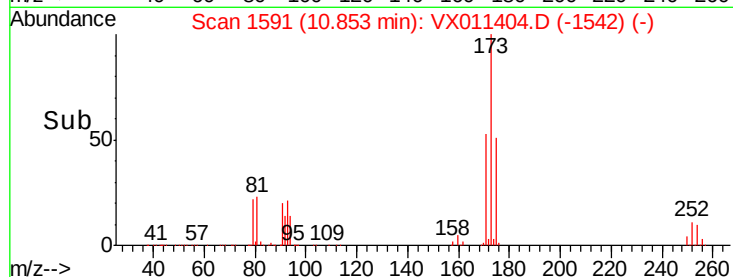
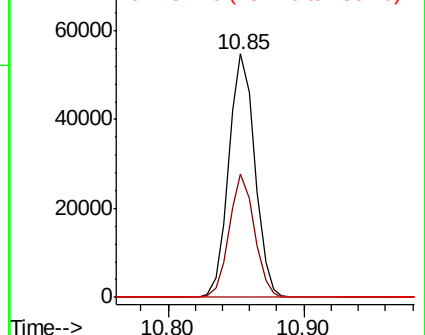
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

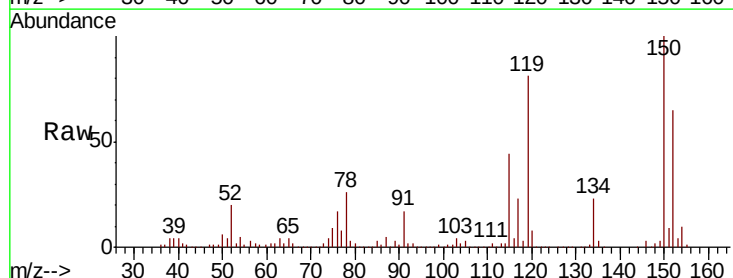
Tgt Ion:152 Resp: 120737

Ion Ratio Lower Upper

152 100

115 83.1 40.0 119.9

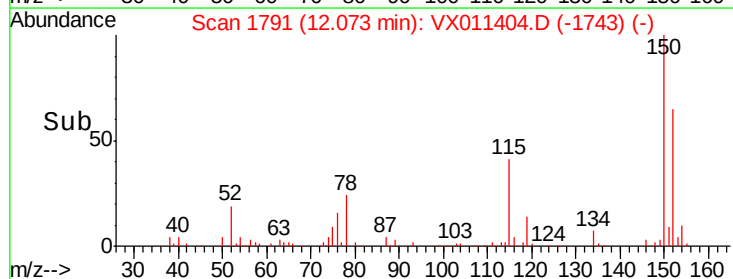
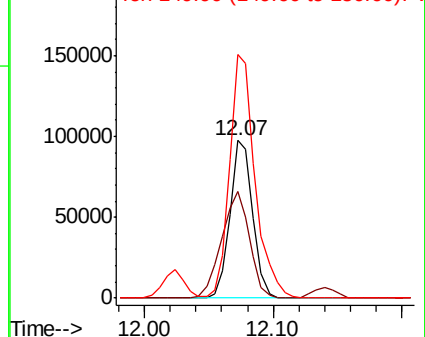
150 172.6 0.0 350.4

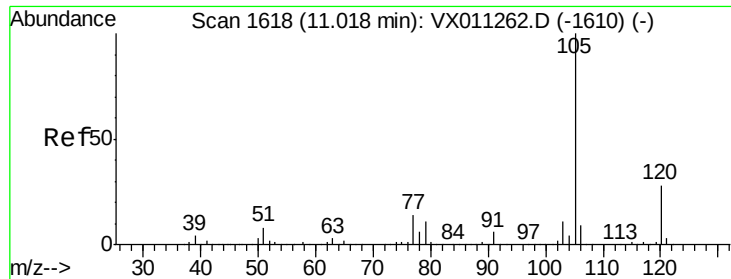


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.503 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

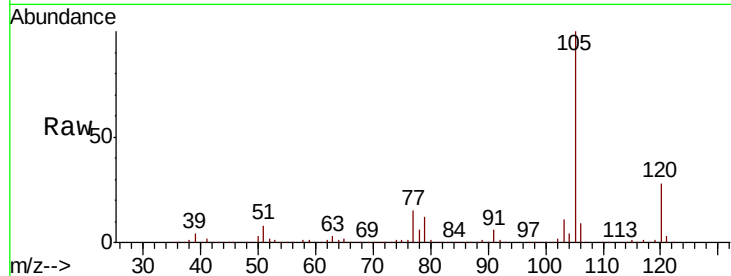
EP1-MW-K-0819MSD

Tgt Ion: 105 Resp: 483092

Ion Ratio Lower Upper

105 100

120 27.8 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

400000

300000

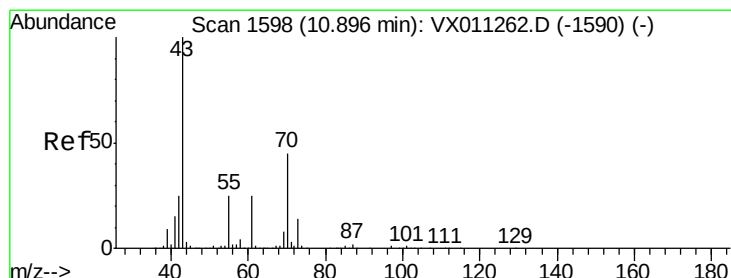
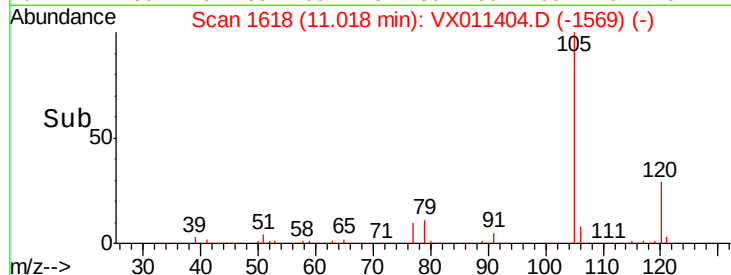
200000

100000

0

Time-->

11.00 11.10



#74

N-ethyl acetate

Concen: 54.975 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Tgt Ion: 43 Resp: 164029

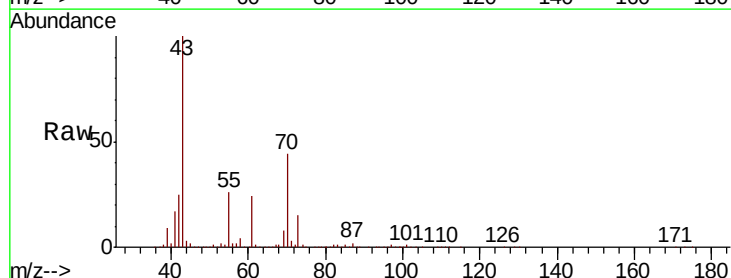
Ion Ratio Lower Upper

43 100

70 44.4 35.9 53.9

55 28.1 19.8 29.6

61 24.1 19.7 29.5



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

200000

150000

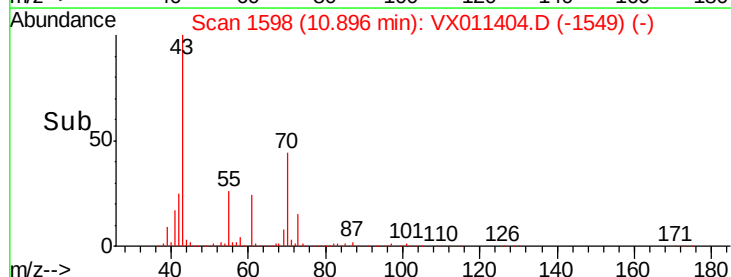
100000

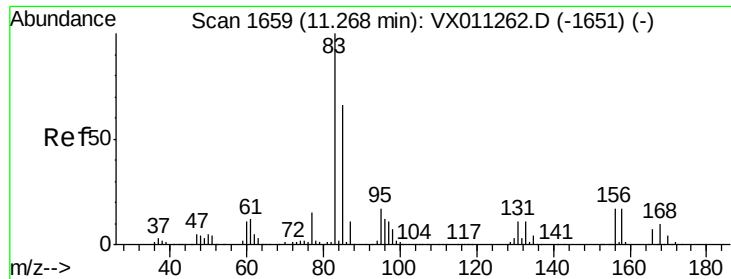
50000

0

Time-->

10.85 10.90 10.95





#75

1,1,2,2-Tetrachloroethane

Concen: 50.281 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

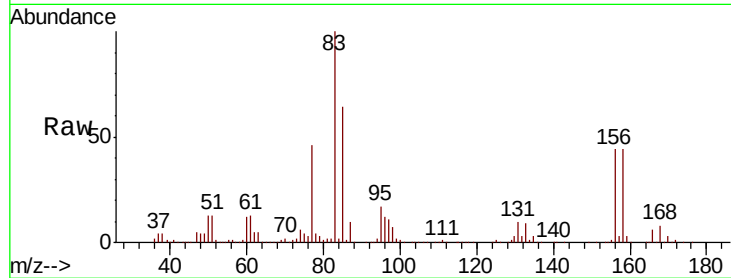
Tgt Ion: 83 Resp: 138365

Ion Ratio Lower Upper

83 100

131 11.0 5.6 16.8

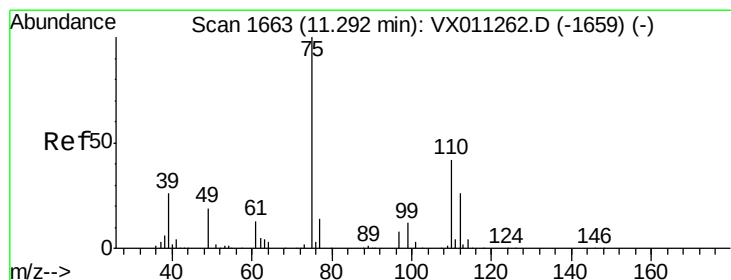
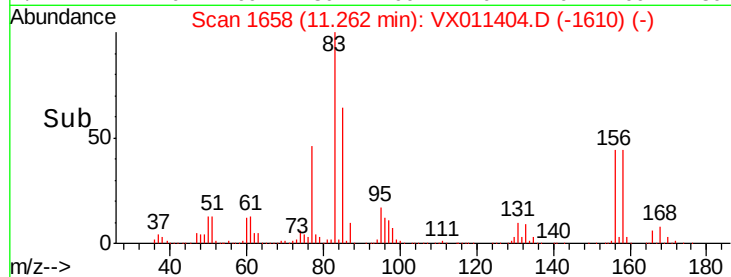
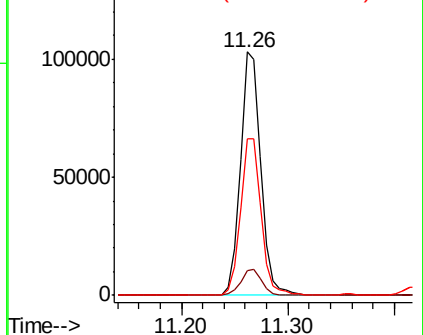
85 65.2 32.1 96.5



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: 68.710 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011404.D

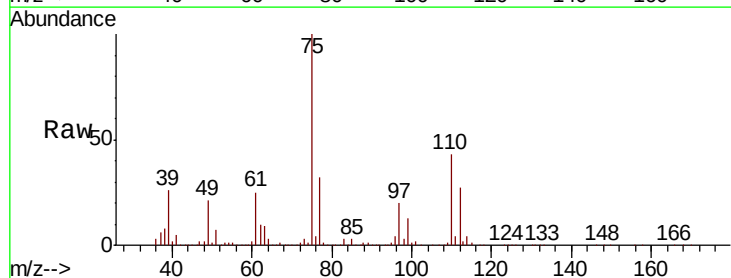
Acq: 09 Aug 2019 12:58

Tgt Ion: 75 Resp: 151077

Ion Ratio Lower Upper

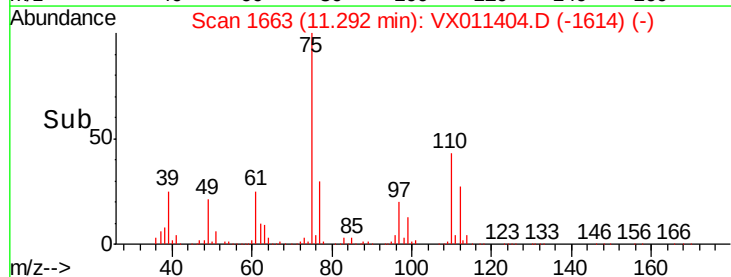
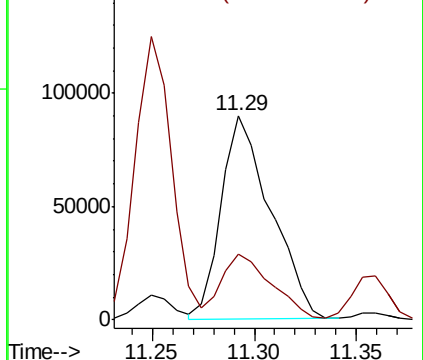
75 100

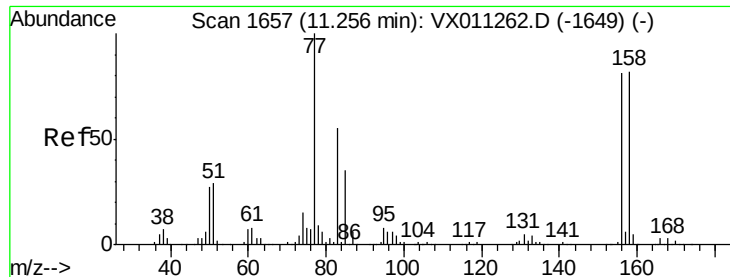
77 33.2 21.1 63.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.664 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

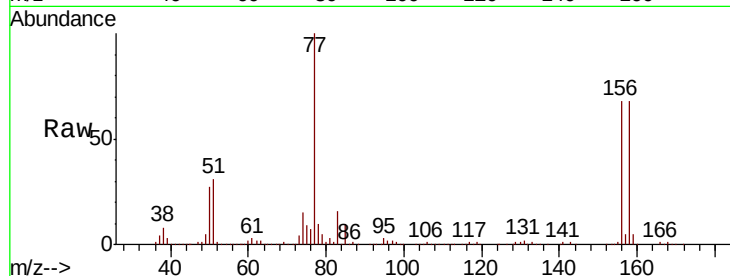
Tgt Ion:156 Resp: 113720

Ion Ratio Lower Upper

156 100

77 138.0 66.2 198.6

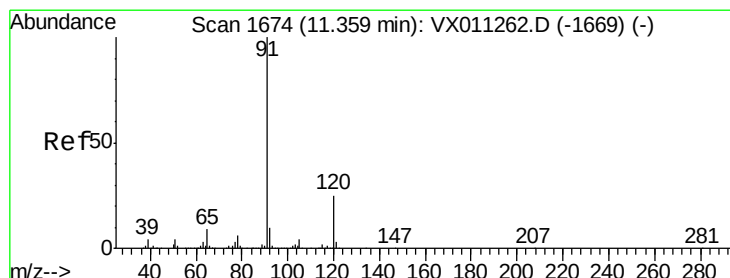
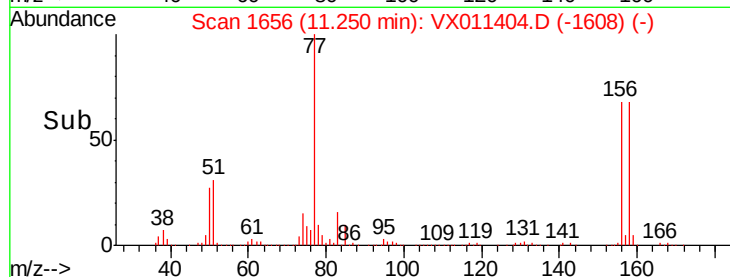
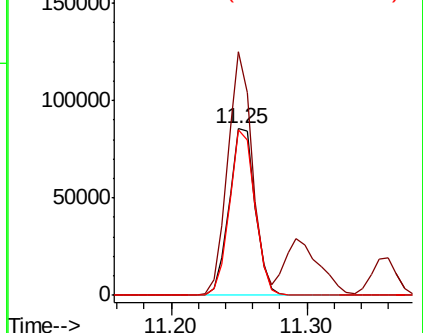
158 96.8 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 66.292 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011404.D

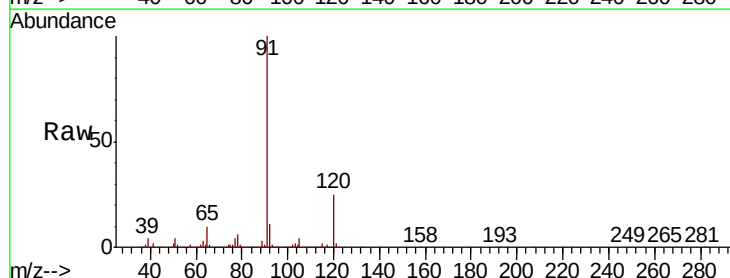
Acq: 09 Aug 2019 12:58

Tgt Ion: 91 Resp: 608754

Ion Ratio Lower Upper

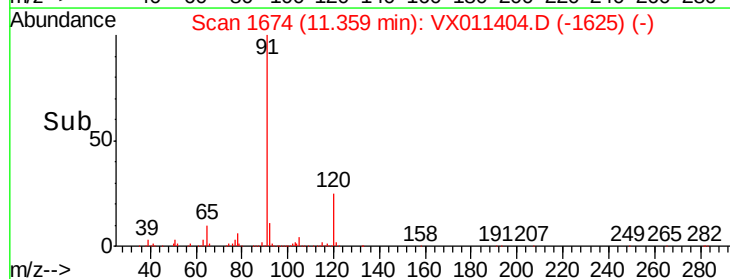
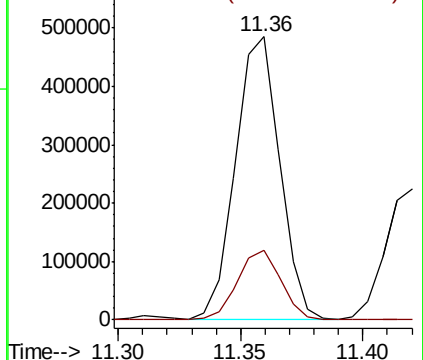
91 100

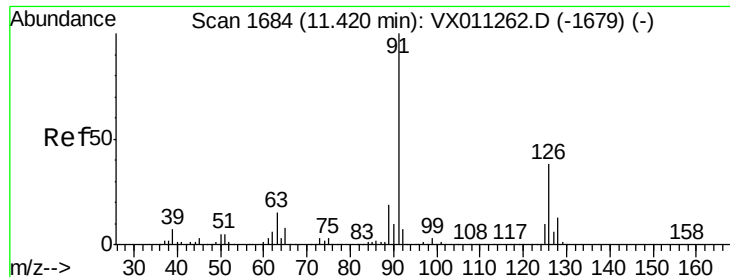
120 24.3 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

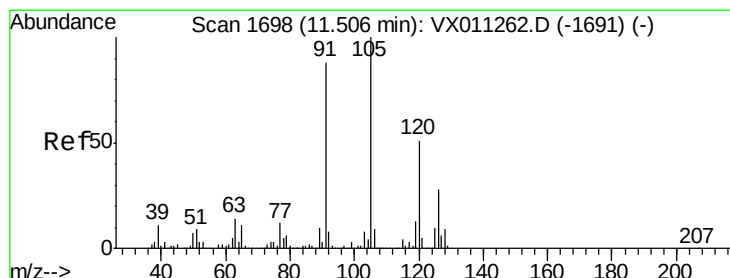
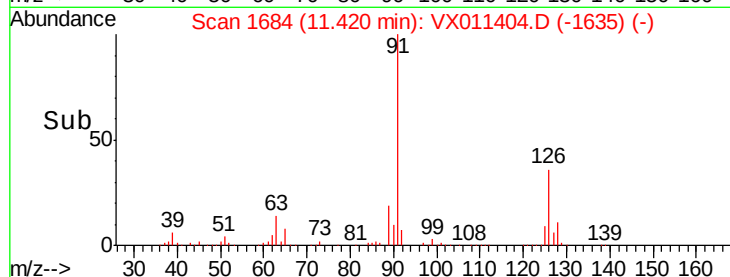
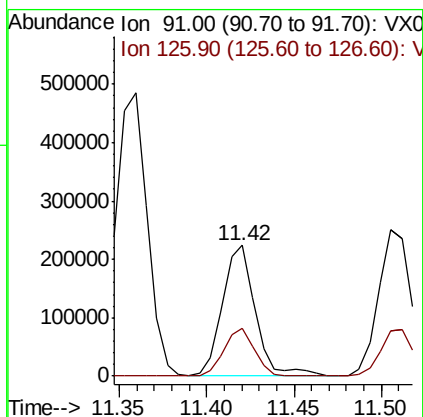
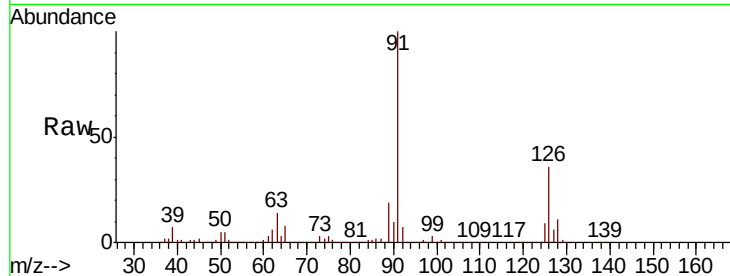




#79
 2-Chlorotoluene
 Concen: 52.989 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

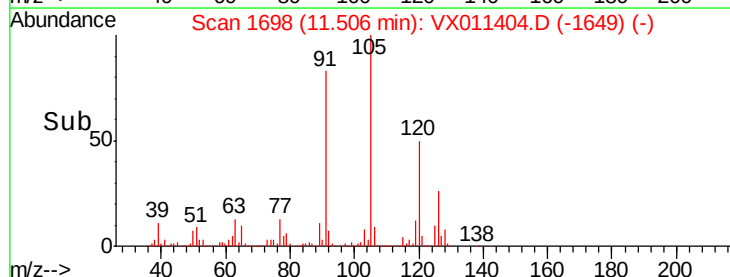
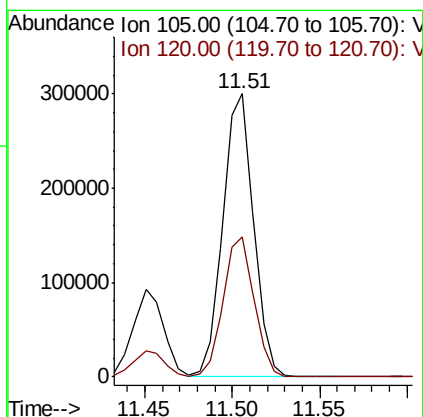
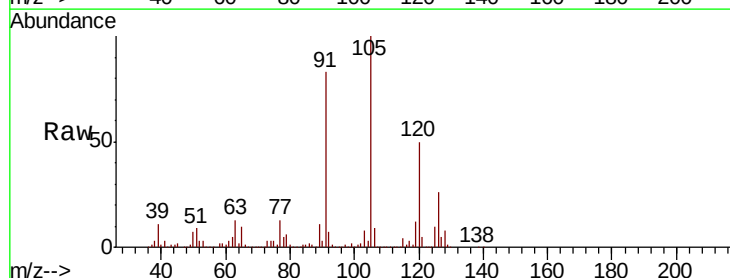
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

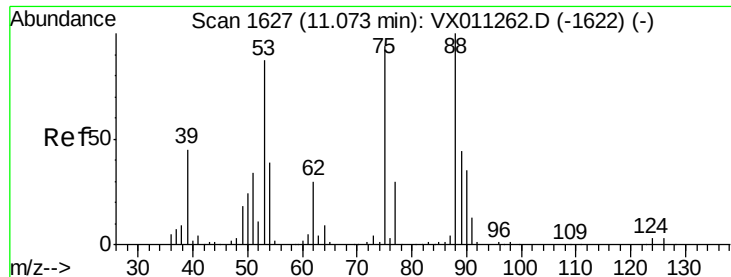
Tgt Ion: 91 Resp: 290025
 Ion Ratio Lower Upper
 91 100
 126 34.6 18.5 55.5



#80
 1,3,5-Trimethylbenzene
 Concen: 53.017 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion: 105 Resp: 366476
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.521 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011404.D

Acq: 09 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819MSD

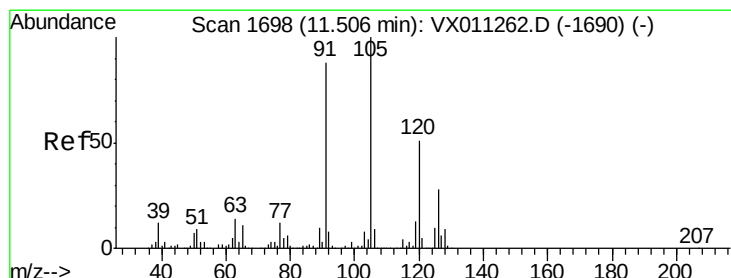
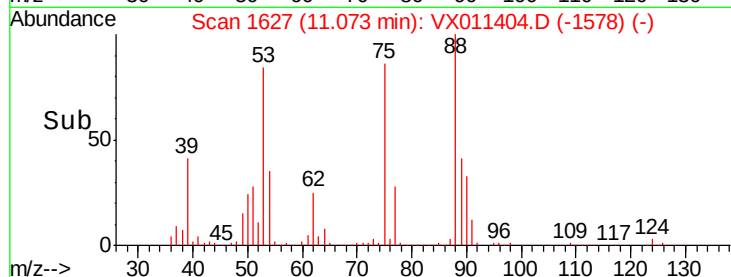
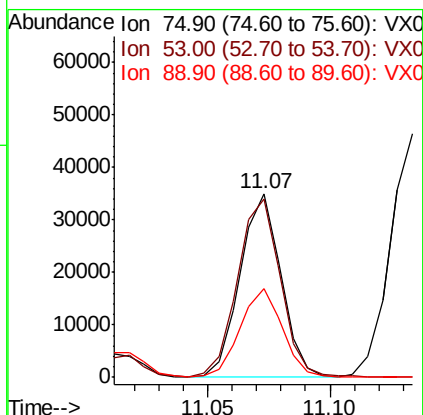
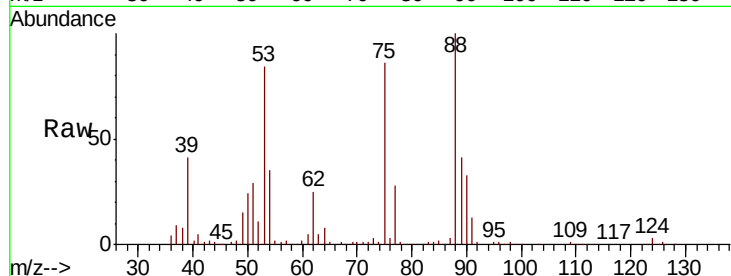
Tgt Ion: 75 Resp: 40737

Ion Ratio Lower Upper

75 100

53 101.1 78.2 117.4

89 50.1 37.9 56.9



#82

4-Chlorotoluene

Concen: 50.689 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011404.D

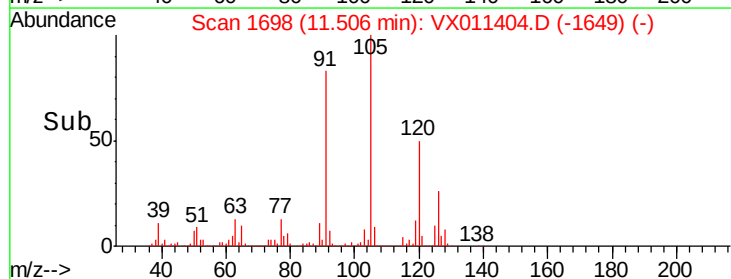
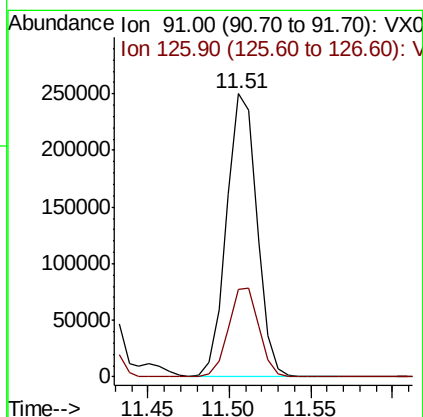
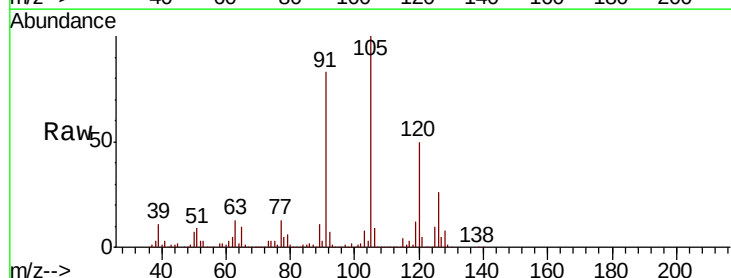
Acq: 09 Aug 2019 12:58

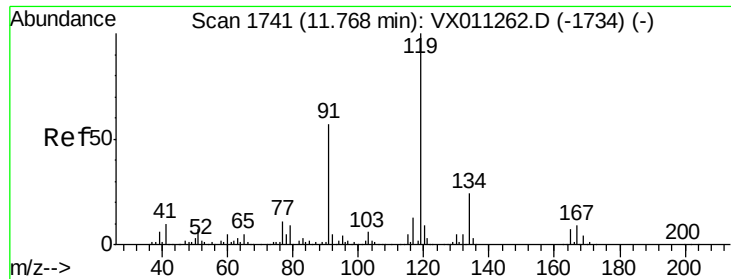
Tgt Ion: 91 Resp: 323330

Ion Ratio Lower Upper

91 100

126 31.6 16.4 49.2

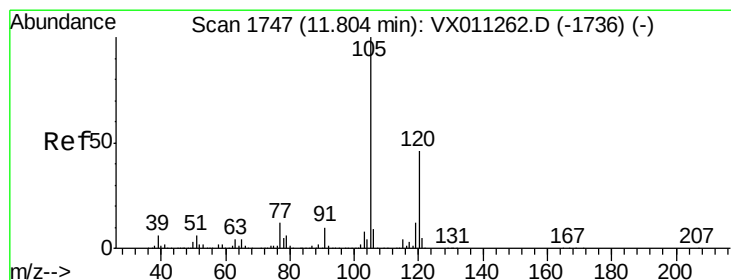
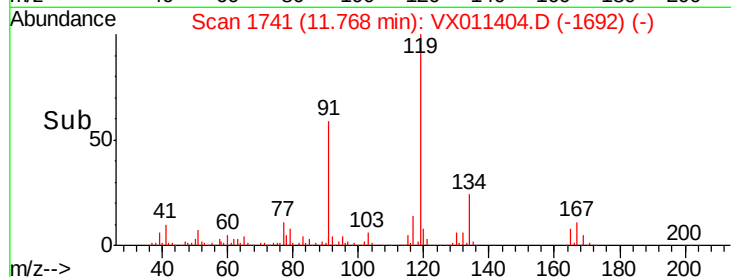
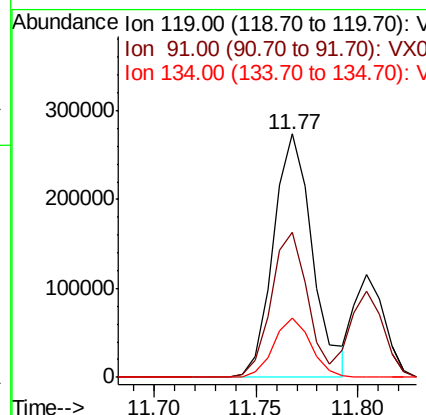
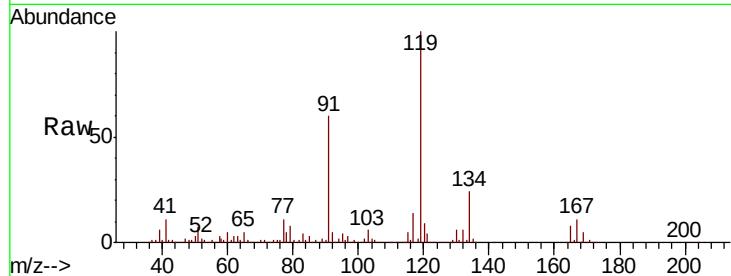




#83
 tert-Butylbenzene
 Concen: 54.255 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

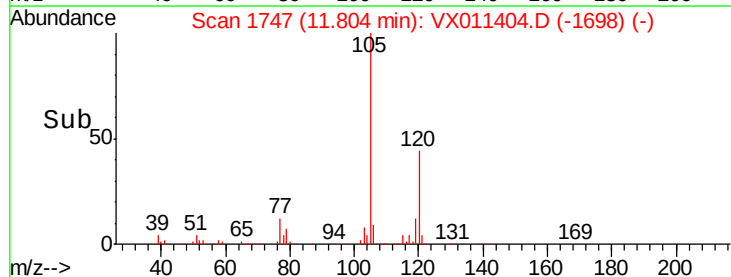
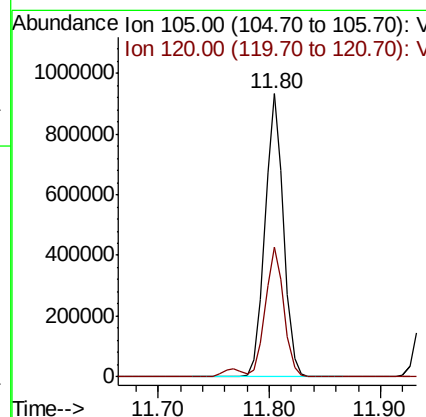
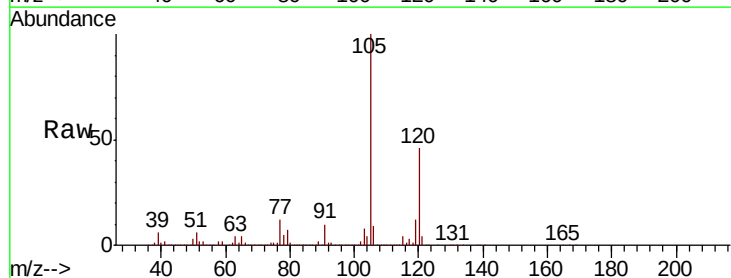
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

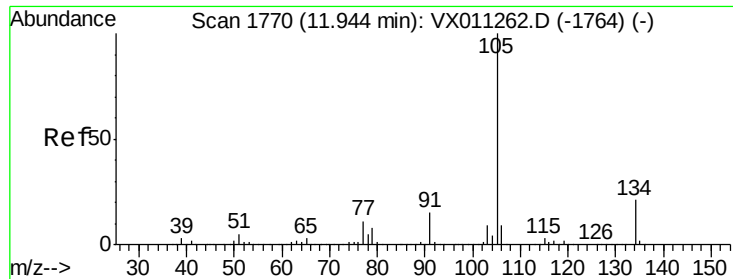
Tgt Ion:119 Resp: 367823
 Ion Ratio Lower Upper
 119 100
 91 55.5 28.0 84.0
 134 23.2 11.9 35.5



#84
 1,2,4-Trimethylbenzene
 Concen: 157.045 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion:105 Resp: 1080815
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.0 69.0

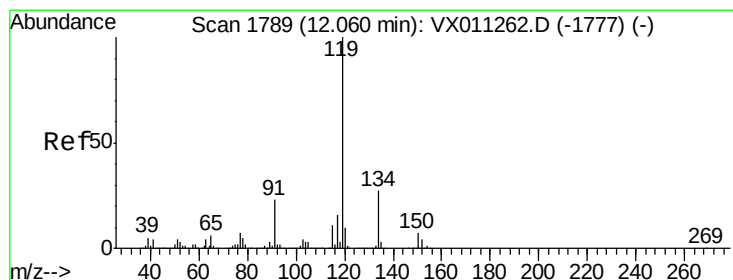
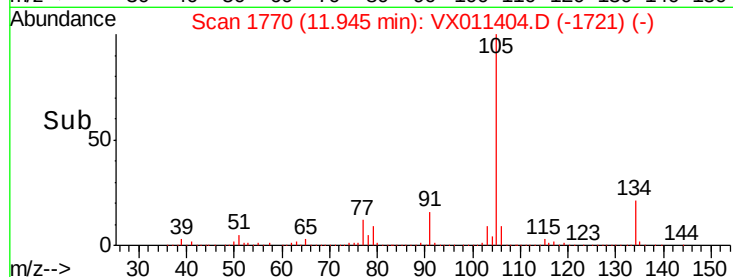
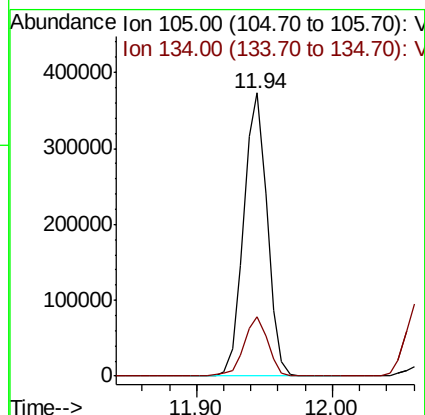
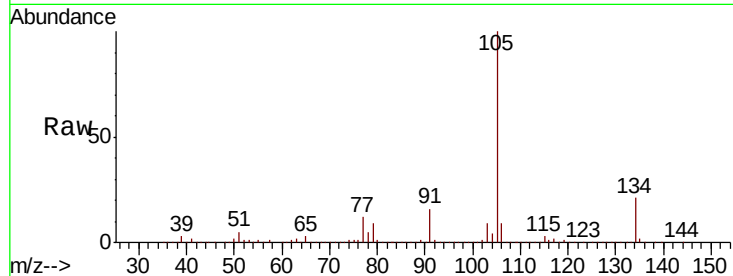




#85
 sec-Butylbenzene
 Concen: 55.063 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

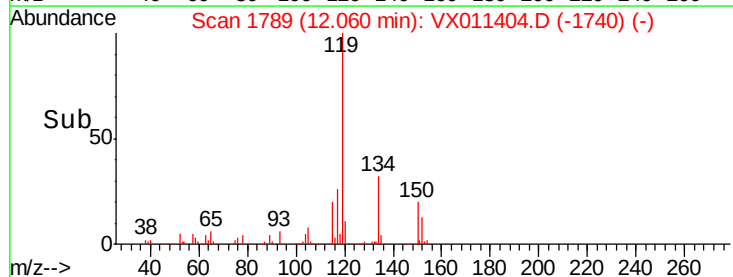
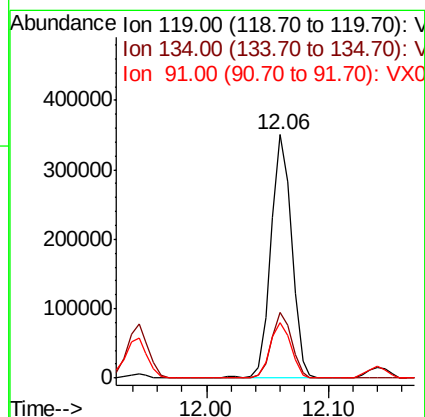
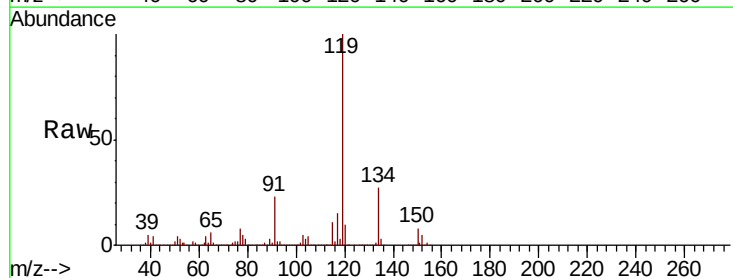
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

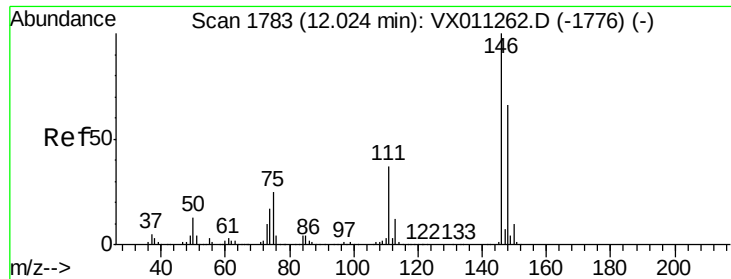
Tgt Ion:105 Resp: 448505
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 55.070 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion:119 Resp: 412665
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.7 41.0
 91 23.1 11.4 34.2

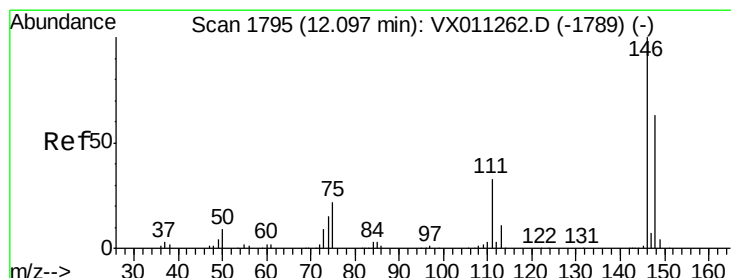
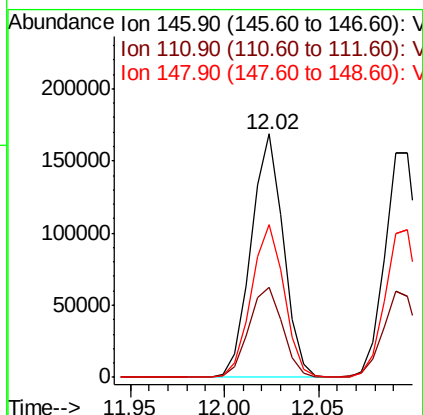
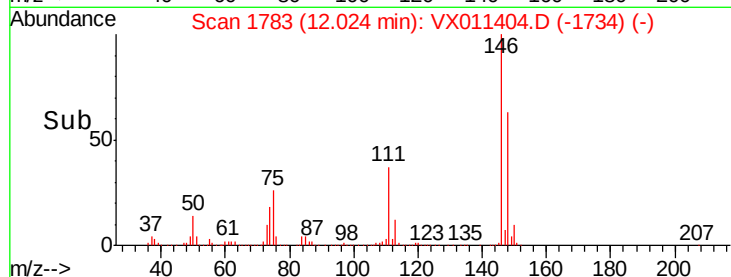
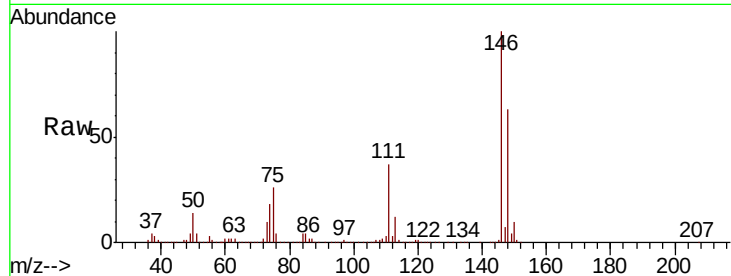




#87
 1,3-Dichlorobenzene
 Concen: 49.624 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

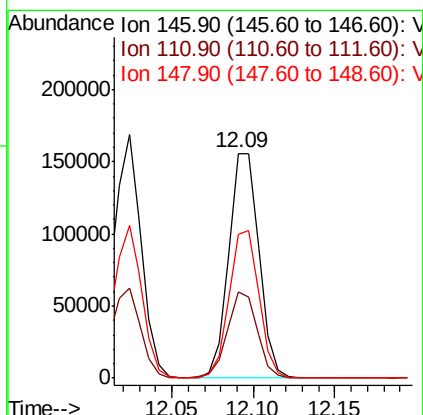
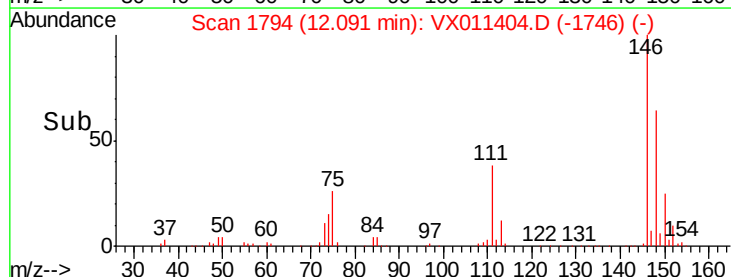
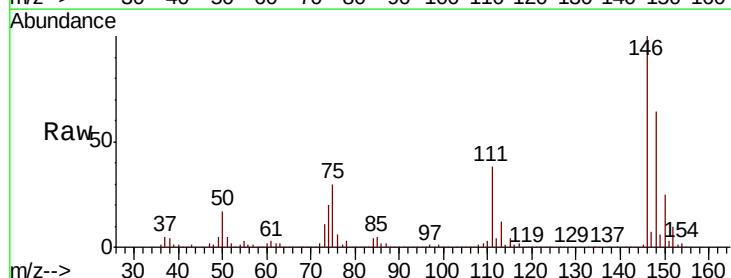
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

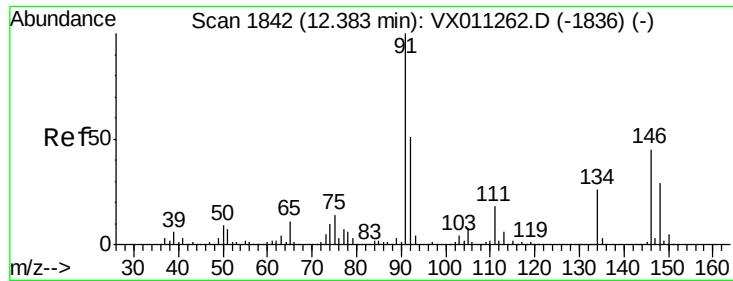
Tgt Ion:146 Resp: 200768
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.6 55.8
 148 63.7 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 48.147 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion:146 Resp: 200864
 Ion Ratio Lower Upper
 146 100
 111 37.7 17.8 53.4
 148 64.9 31.8 95.3

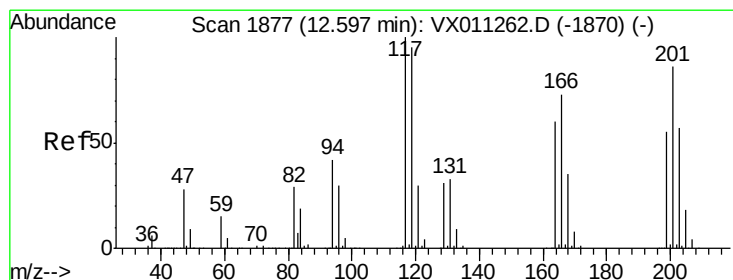
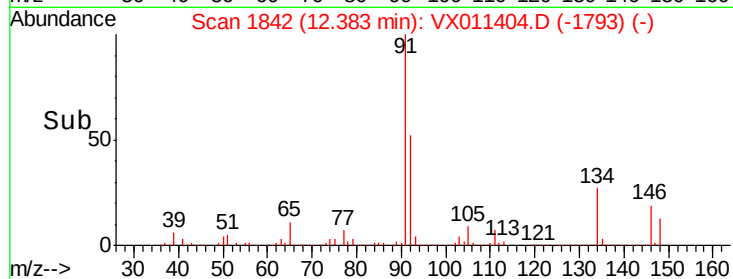
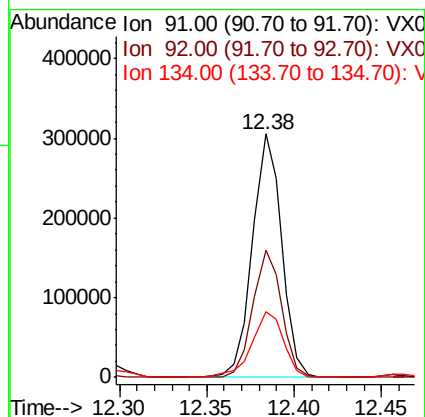
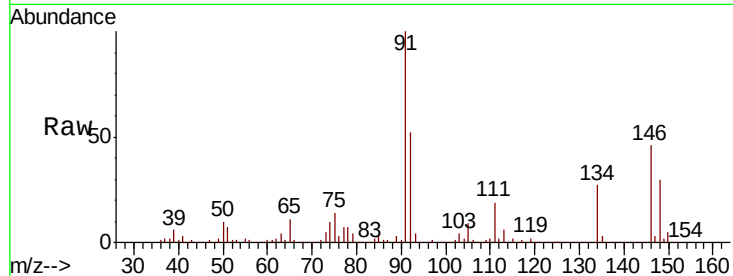




#89
n-Butylbenzene
Concen: 55.153 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

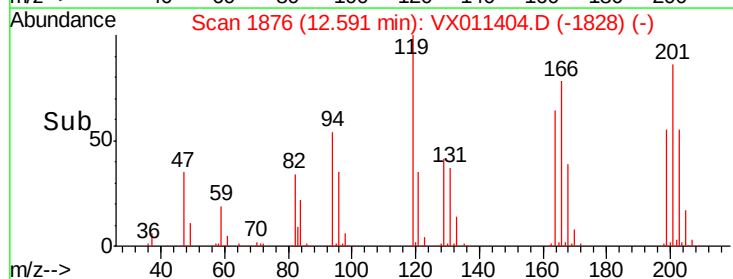
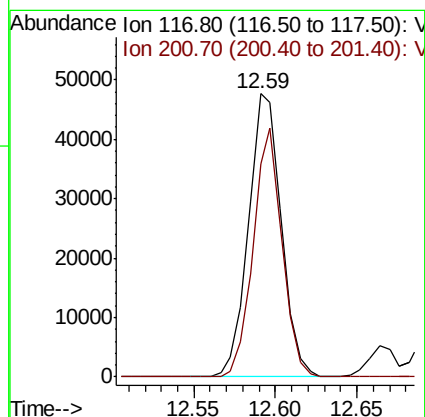
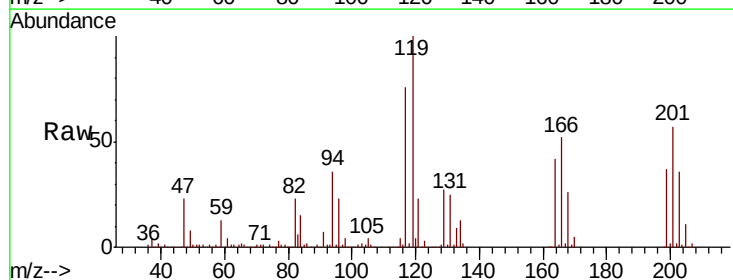
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MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

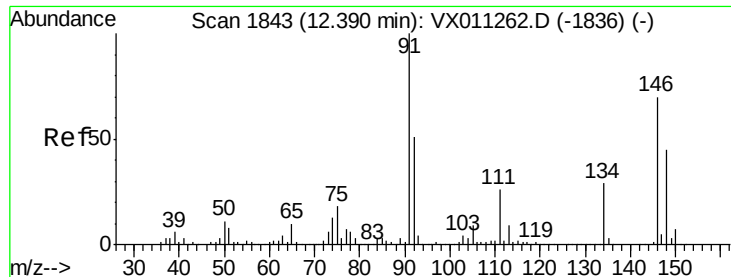
Tgt Ion: 91 Resp: 356059
Ion Ratio Lower Upper
91 100
92 51.5 25.8 77.3
134 29.7 13.7 41.0



#90
Hexachloroethane
Concen: 60.340 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion: 117 Resp: 66848
Ion Ratio Lower Upper
117 100
201 77.0 41.8 125.4

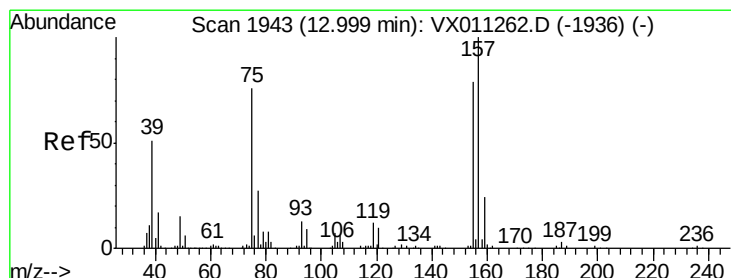
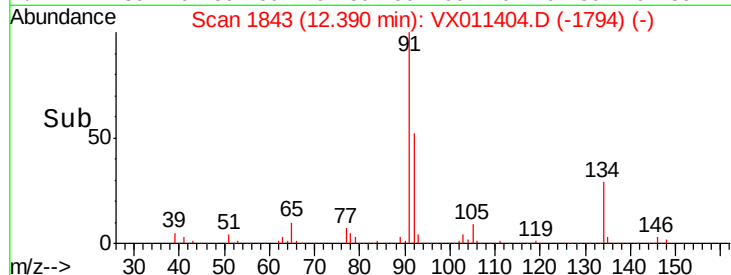
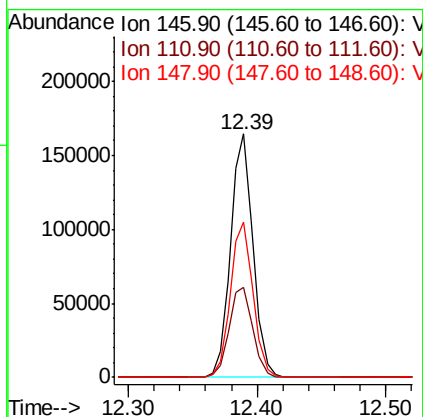
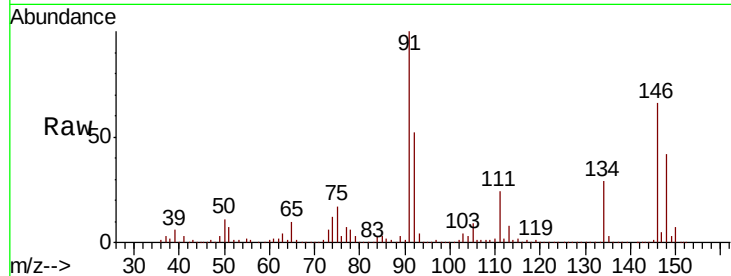




#91
 1,2-Dichlorobenzene
 Concen: 49.436 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

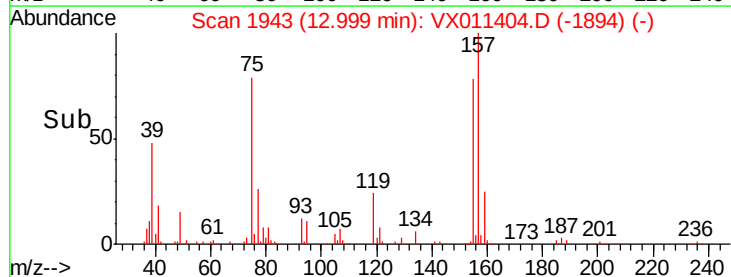
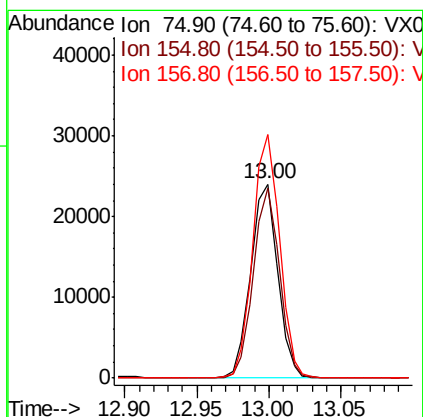
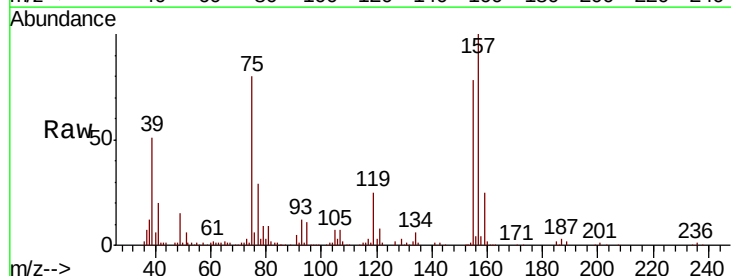
Instrument :
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 ClientSampleId :
 EP1-MW-K-0819MSD

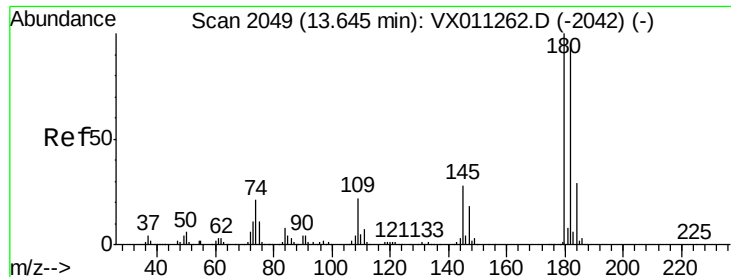
Tgt Ion: 146 Resp: 200964
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.1 57.1
 148 64.1 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.307 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion: 75 Resp: 31086
 Ion Ratio Lower Upper
 75 100
 155 94.5 51.9 155.8
 157 123.8 64.3 192.7

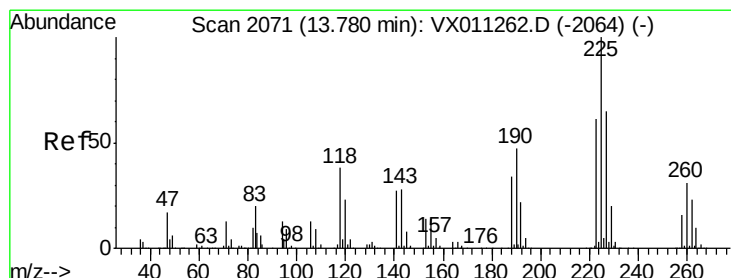
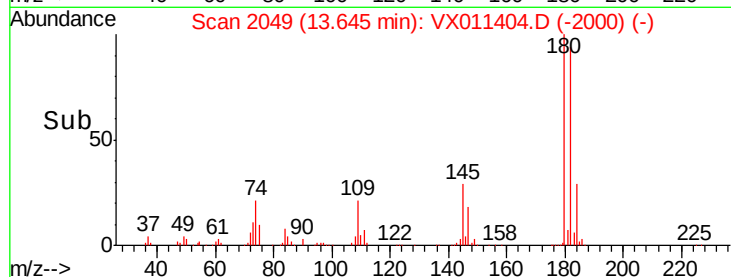
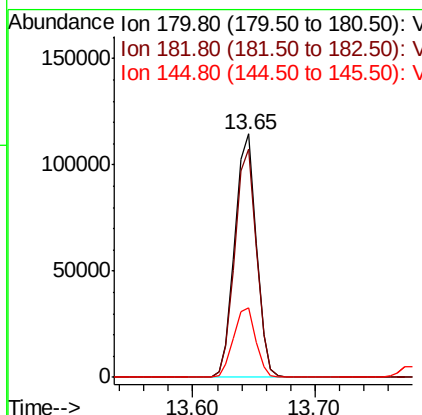
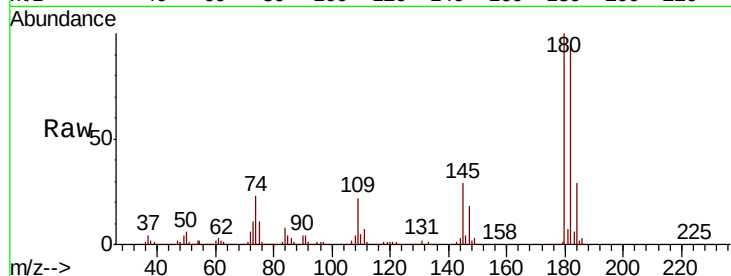




#93
 1,2,4-Trichlorobenzene
 Concen: 51.337 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

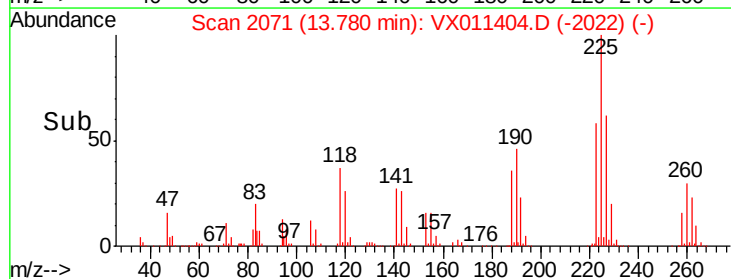
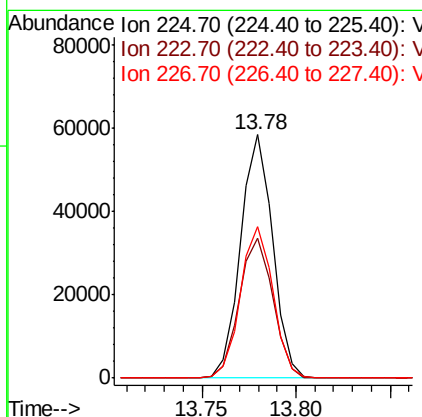
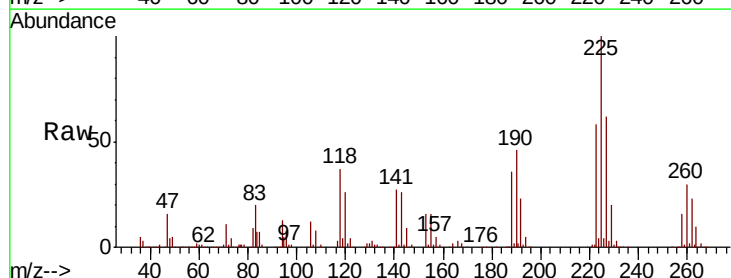
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

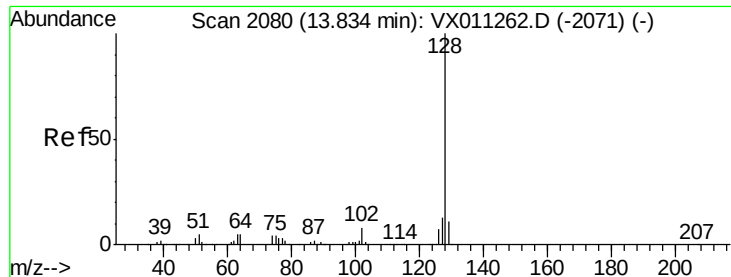
Tgt Ion:180 Resp: 138401
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.8 143.4
 145 30.2 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 50.426 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011404.D
 Acq: 09 Aug 2019 12:58

Tgt Ion:225 Resp: 68972
 Ion Ratio Lower Upper
 225 100
 223 60.4 31.0 93.0
 227 63.3 32.2 96.6

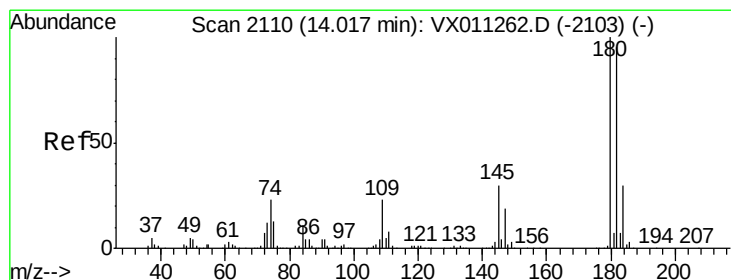
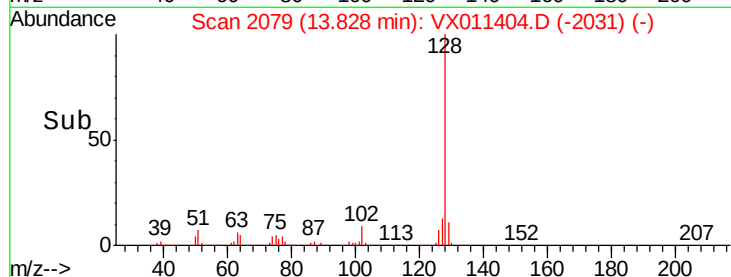
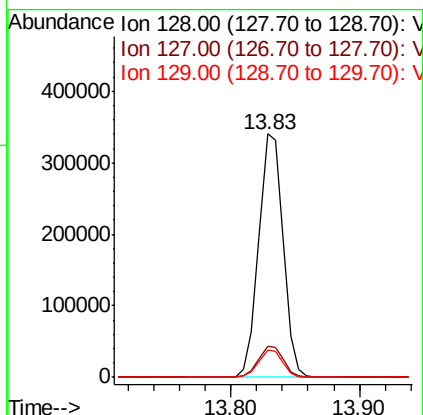
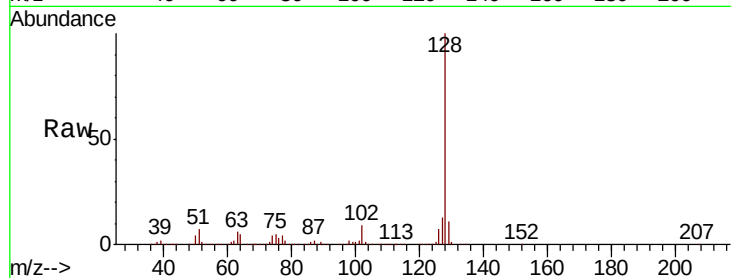




#95
Naphthalene
Concen: 56.129 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819MSD

Tgt Ion:128 Resp: 442513
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 50.863 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011404.D
Acq: 09 Aug 2019 12:58

Tgt Ion:180 Resp: 139405
Ion Ratio Lower Upper
180 100
182 94.9 47.4 142.3
145 31.2 15.2 45.6

