

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050319\
 Data File : VX009335.D
 Acq On : 04 May 2019 01:13
 Operator : JC/SP
 Sample : K2663-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW113-190430MSD

Quant Time: May 04 02:14:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	163579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	271374	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122512	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	113314	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	5.50	113	83697	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	8.71	98	334717	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	11.13	95	124299	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	64058	42.496	ug/l	97
3) Chloromethane	1.32	50	94013	45.682	ug/l	99
4) Vinyl Chloride	1.41	62	94278	46.979	ug/l	97
5) Bromomethane	1.64	94	54846	45.534	ug/l	97
6) Chloroethane	1.71	64	58304	45.251	ug/l	98
7) Trichlorofluoromethane	1.92	101	115454	47.329	ug/l	99
8) Diethyl Ether	2.19	74	57170	49.477	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	68288	44.579	ug/l	99
10) Methyl Iodide	2.51	142	82396	46.634	ug/l	100
11) Tert butyl alcohol	3.05	59	147537	285.429	ug/l	100
12) 1,1-Dichloroethene	2.37	96	73023	47.577	ug/l	94
13) Acrolein	2.29	56	117455	250.909	ug/l	100
14) Allyl chloride	2.73	41	179648	48.029	ug/l	98
15) Acrylonitrile	3.14	53	339847	268.898	ug/l	99
16) Acetone	2.45	43	293867	245.081	ug/l	99
17) Carbon Disulfide	2.57	76	200483	46.525	ug/l	99
18) Methyl Acetate	2.77	43	158701	55.653	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	300582	50.432	ug/l	99
20) Methylene Chloride	2.85	84	91580	47.171	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	80038	48.084	ug/l	97
22) Diisopropyl ether	3.85	45	362487	50.393	ug/l	98
23) Vinyl Acetate	3.81	43	1610992	261.538	ug/l	99
24) 1,1-Dichloroethane	3.70	63	172430	48.592	ug/l	99
25) 2-Butanone	4.67	43	511564	274.547	ug/l	99
26) 2,2-Dichloropropane	4.58	77	104004	39.376	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	99677	50.169	ug/l	98
28) Bromochloromethane	5.02	49	73923	51.852	ug/l	98
29) Tetrahydrofuran	5.13	42	341291	284.640	ug/l	99
30) Chloroform	5.21	83	158679	49.442	ug/l	99
31) Cyclohexane	5.58	56	149908	45.407	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	128782	48.202	ug/l	99
36) 1,1-Dichloropropene	5.80	75	118304	46.910	ug/l	99
37) Ethyl Acetate	4.84	43	184832	52.602	ug/l	99
38) Carbon Tetrachloride	5.78	117	106920	46.663	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	130373	42.095	ug/l	99
40) Benzene	6.14	78	369525	47.345	ug/l	98
41) Methacrylonitrile	5.04	41	107976	51.623	ug/l	99
42) 1,2-Dichloroethane	6.19	62	134456	48.024	ug/l	99
43) Isopropyl Acetate	6.45	43	289431	51.496	ug/l	99
44) Trichloroethene	7.21	130	86119	45.642	ug/l	97
45) 1,2-Dichloropropane	7.51	63	106938	48.388	ug/l	97
46) Dibromomethane	7.66	93	61587	47.988	ug/l	100
47) Bromodichloromethane	7.90	83	124673	48.700	ug/l	99
48) Methyl methacrylate	7.77	41	146904	52.683	ug/l	99
49) 1,4-Dioxane	7.74	88	54625	965.969	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	999428	272.053	ug/l	100
52) Toluene	8.79	92	234609	49.450	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	141616	48.997	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	153492	47.980	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	95082	49.123	ug/l	98
56) Ethyl methacrylate	9.18	69	175258	50.724	ug/l	99
57) 1,3-Dichloropropane	9.37	76	165531	48.598	ug/l	100
59) 2-Hexanone	9.49	43	798417	276.724	ug/l	100
60) Dibromochloromethane	9.58	129	94610	50.046	ug/l	99
61) 1,2-Dibromoethane	9.67	107	95721	48.991	ug/l	99
64) Tetrachloroethene	9.34	164	72521	42.843	ug/l	98
65) Chlorobenzene	10.13	112	234766	47.558	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	86206	48.169	ug/l	99
67) Ethyl Benzene	10.25	91	429178	47.241	ug/l	99
68) m/p-Xylenes	10.36	106	312158	94.026	ug/l	98
69) o-Xylene	10.69	106	156249	47.701	ug/l	99
70) Stvrene	10.71	104	272971	47.947	ug/l	98
71) Bromoform	10.85	173	72636	49.943	ug/l #	100
73) Isopropylbenzene	11.02	105	410064	46.028	ug/l	100
74) N-amyl acetate	10.90	43	267830	51.565	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	167852	50.541	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	192498	67.737	ug/l	82
77) Bromobenzene	11.26	156	104265	47.152	ug/l	98
78) n-propylbenzene	11.36	91	470189	46.213	ug/l	100
79) 2-Chlorotoluene	11.42	91	283735	45.201	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	351369	46.841	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	51410	46.287	ug/l	97
82) 4-Chlorotoluene	11.51	91	327182	46.138	ug/l	99
83) tert-Butylbenzene	11.77	119	341694	46.825	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	353872	46.998	ug/l	100
85) sec-Butylbenzene	11.94	105	395157	45.675	ug/l	100
86) p-Isopropyltoluene	12.06	119	364309	46.841	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	185422	47.038	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	186707	46.980	ug/l	99
89) n-Butylbenzene	12.38	91	328615	46.747	ug/l	100
90) Hexachloroethane	12.60	117	61999	46.790	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	189574	47.216	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39170	52.576	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	134217	48.884	ug/l	98

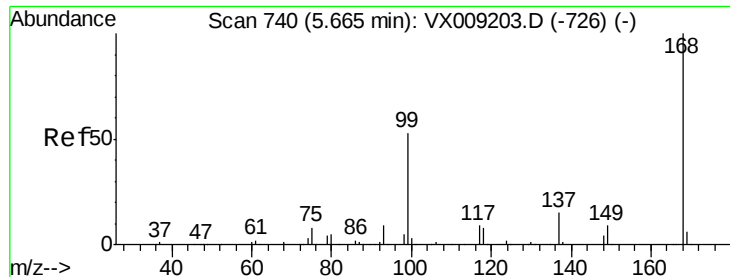
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	60301	43.008	ug/l	99
95) Naphthalene	13.83	128	471092	52.738	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	134456	48.311	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

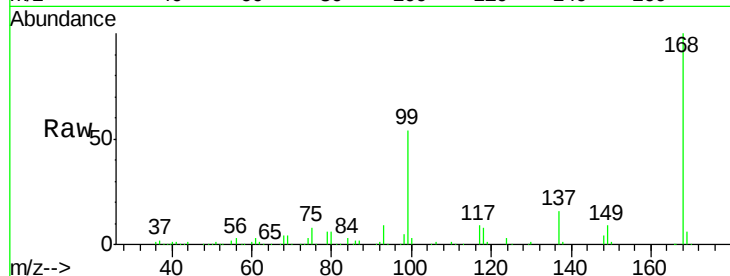
SS050MW113-190430MSD

Tot Ion:168 Resp: 163579

Ion Ratio Lower Upper

168 100

99 54.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

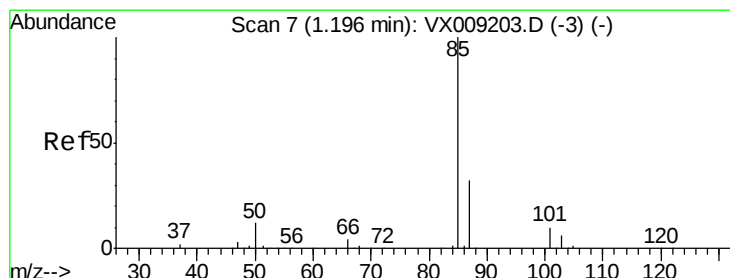
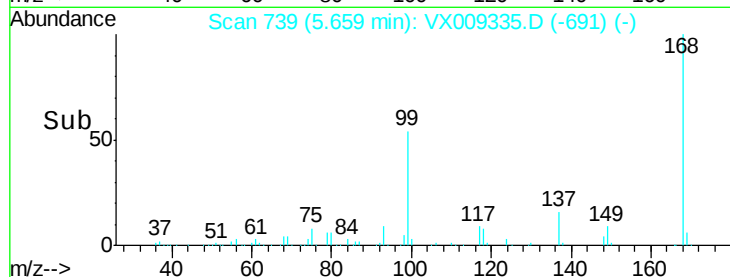
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 42.496 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009335.D

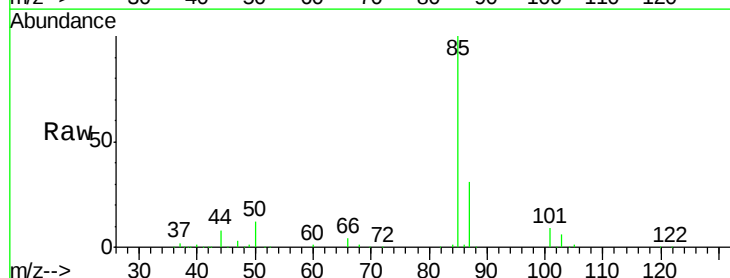
Acq: 04 May 2019 01:13

Tgt Ion: 85 Resp: 64058

Ion Ratio Lower Upper

85 100

87 30.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

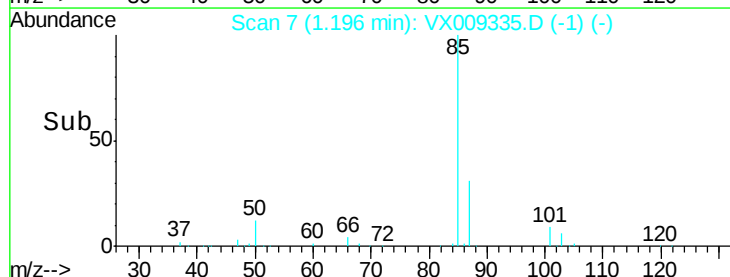
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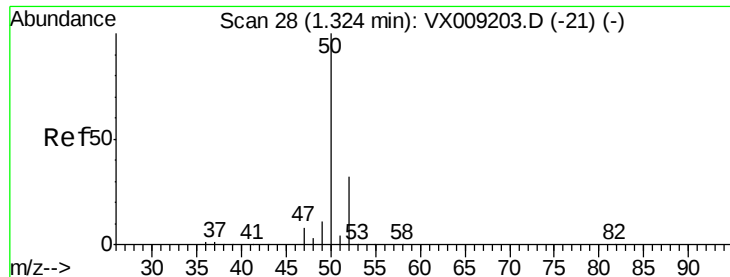
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 45.682 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

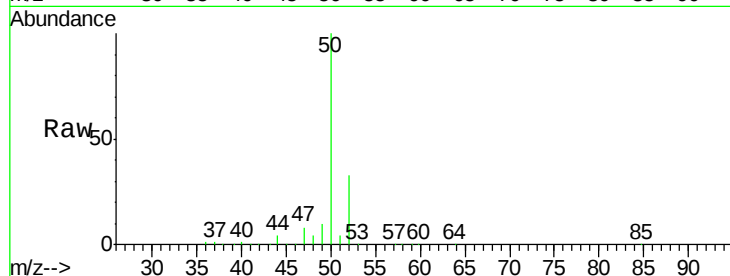
SS050MW113-190430MSD

Tot Ion: 50 Resp: 94013

Ion Ratio Lower Upper

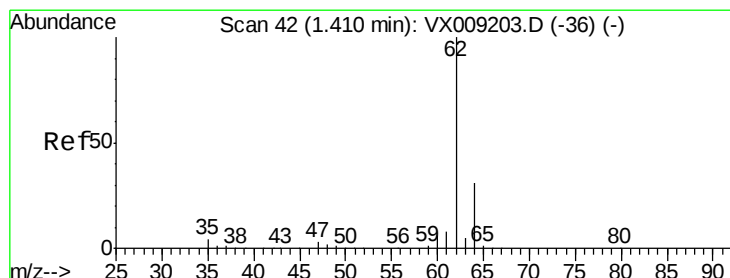
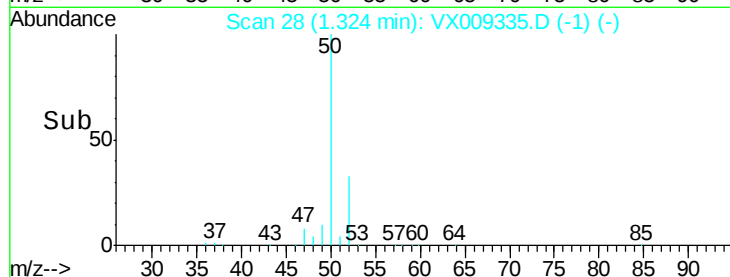
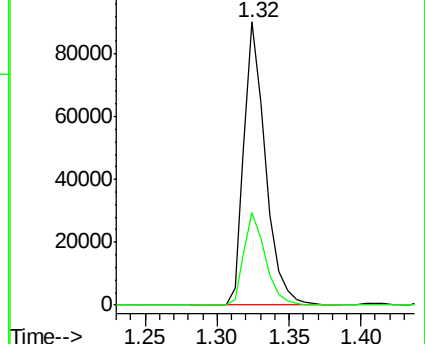
50 100

52 32.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.979 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009335.D

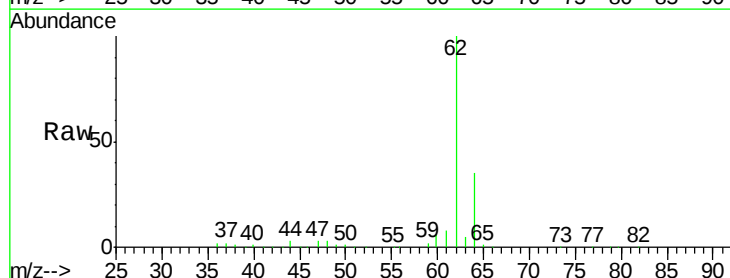
Acq: 04 May 2019 01:13

Tgt Ion: 62 Resp: 94278

Ion Ratio Lower Upper

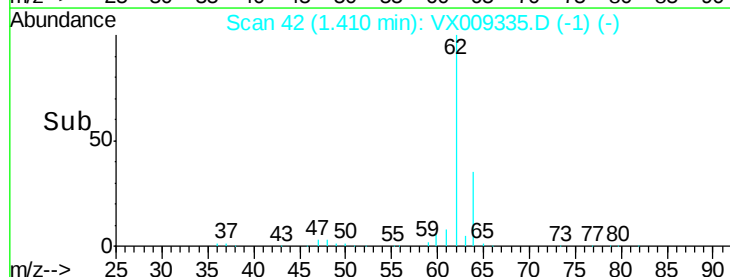
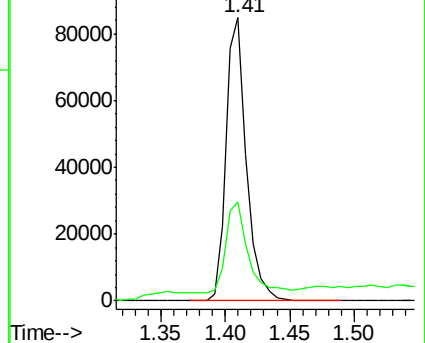
62 100

64 32.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 45.534 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

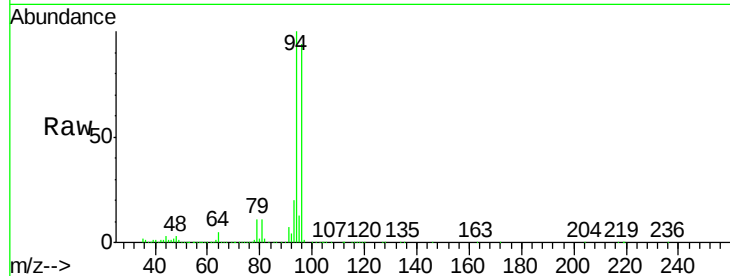
SS050MW113-190430MSD

Tot Ion: 94 Resp: 54846

Ion Ratio Lower Upper

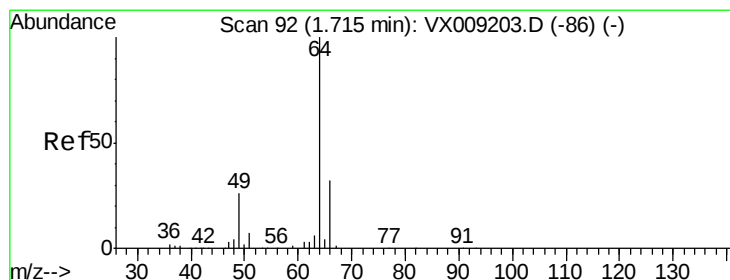
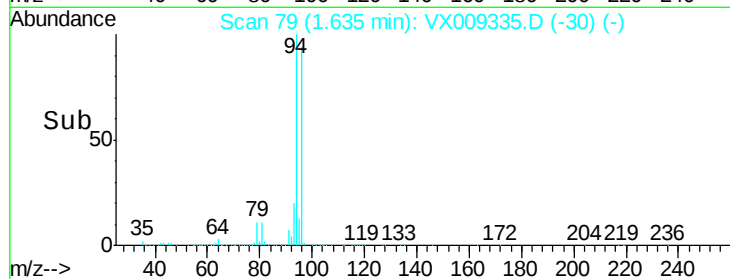
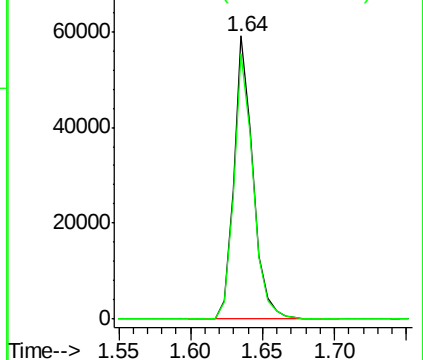
94 100

96 94.0 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.251 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009335.D

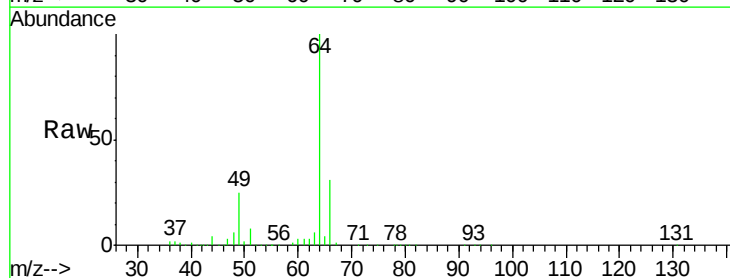
Acq: 04 May 2019 01:13

Tgt Ion: 64 Resp: 58304

Ion Ratio Lower Upper

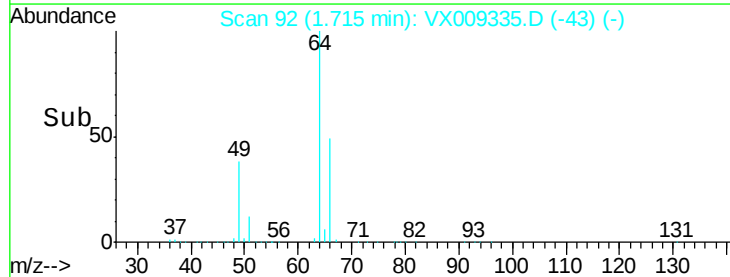
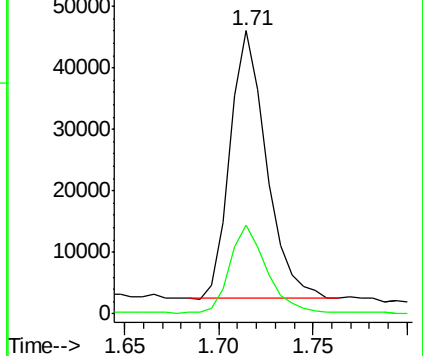
64 100

66 32.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



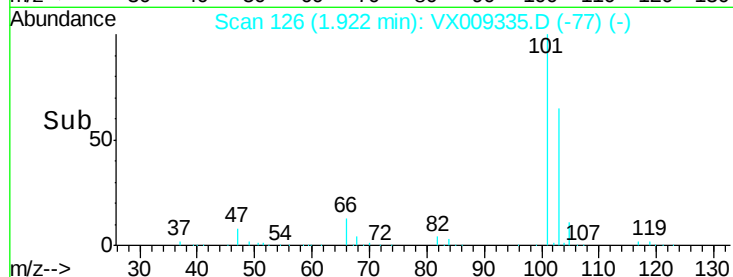
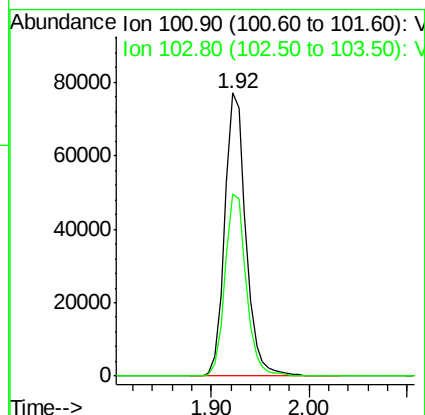
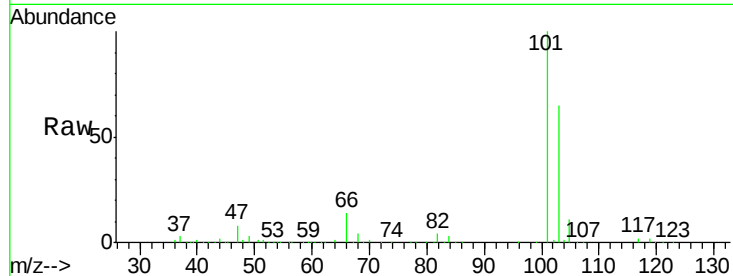


#7

Trichlorofluoromethane
Concen: 47.329 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

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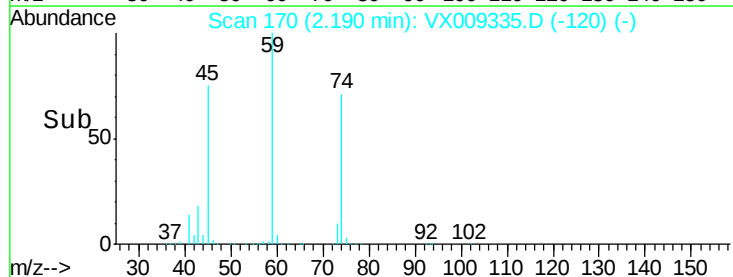
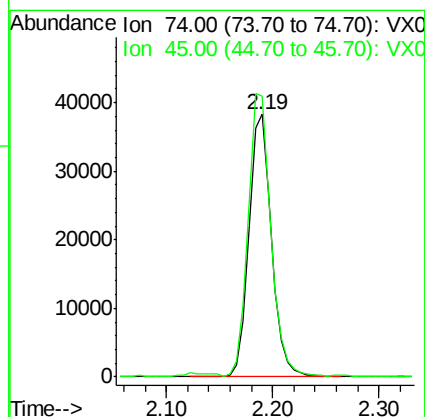
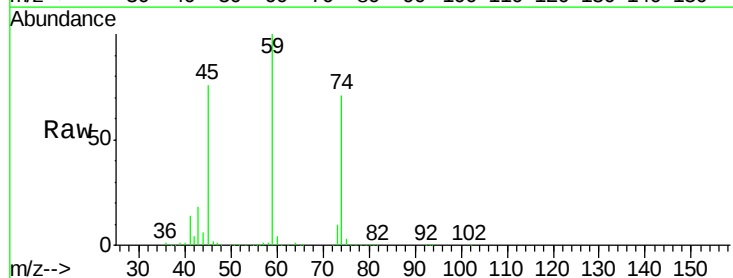
Tot Ion:101 Resp: 115454
Ion Ratio Lower Upper
101 100
103 64.5 52.4 78.6



#8

Diethyl Ether
Concen: 49.477 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

Tgt Ion: 74 Resp: 57170
Ion Ratio Lower Upper
74 100
45 108.3 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.579 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

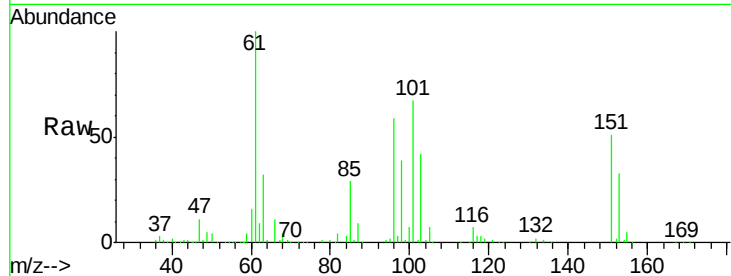
Tot Ion:101 Resp: 68288

Ion Ratio Lower Upper

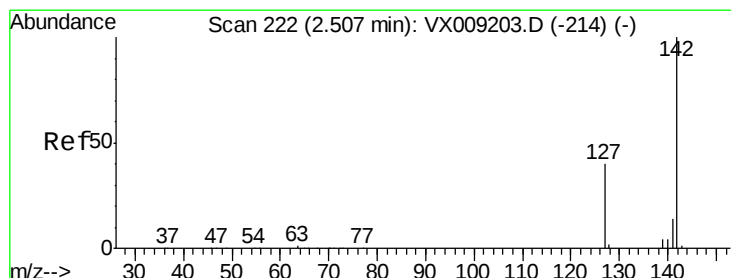
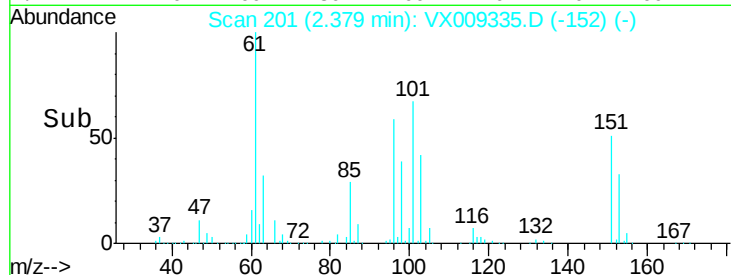
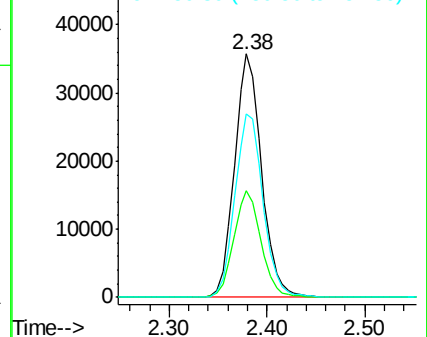
101 100

85 44.2 35.7 53.5

151 78.6 62.2 93.2



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: 46.634 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

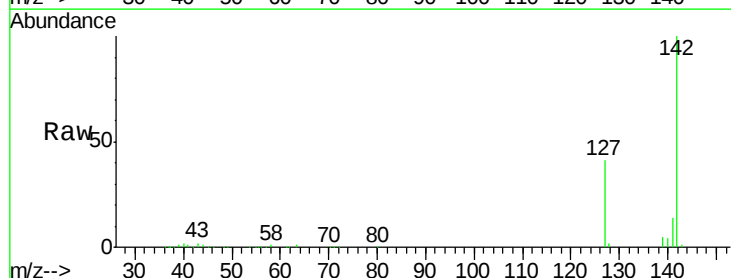
Tgt Ion:142 Resp: 82396

Ion Ratio Lower Upper

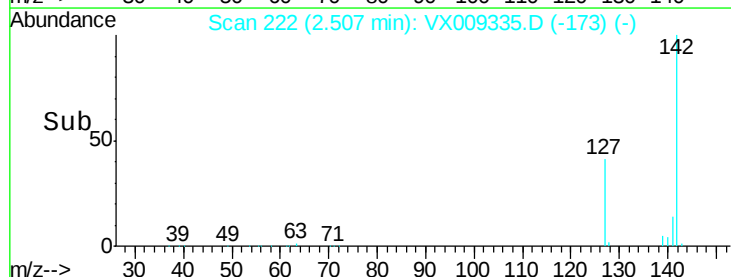
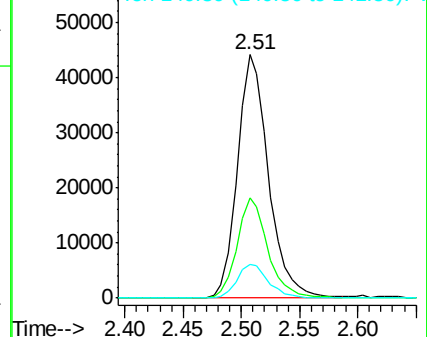
142 100

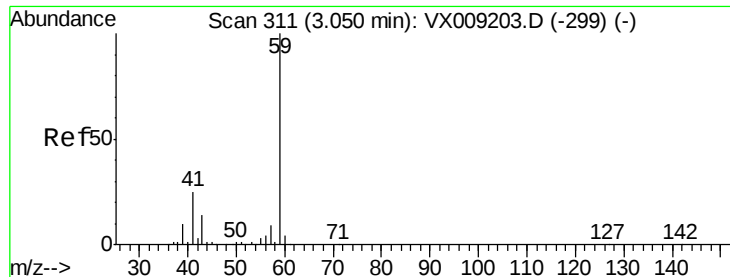
127 41.0 32.7 49.1

141 14.2 11.5 17.3



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

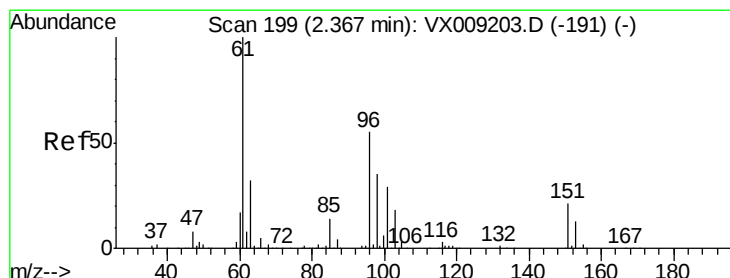
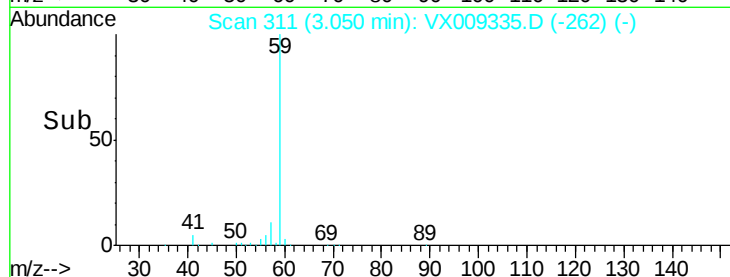
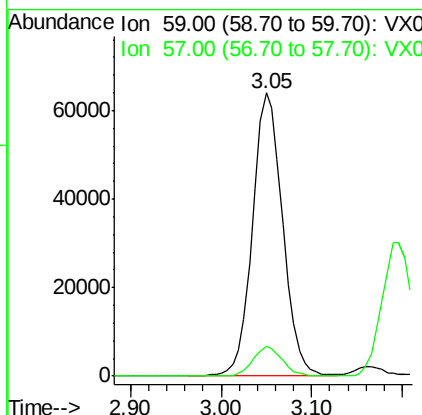
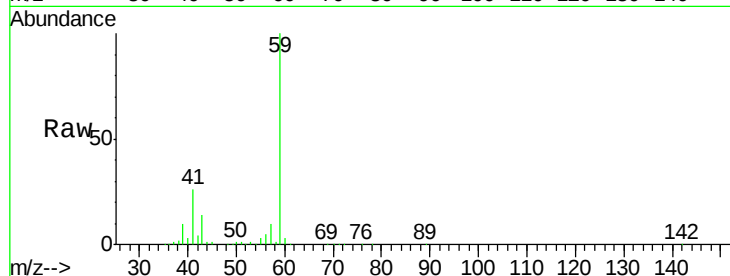




#11
Tert butyl alcohol
Concen: 285.429 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

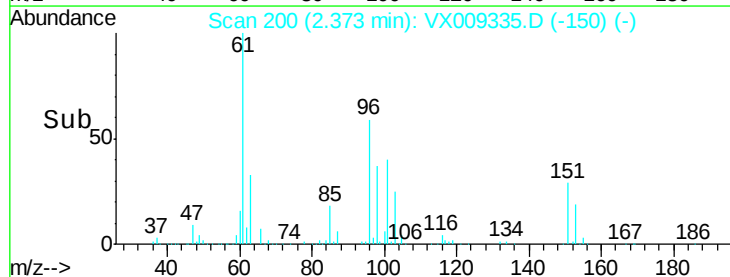
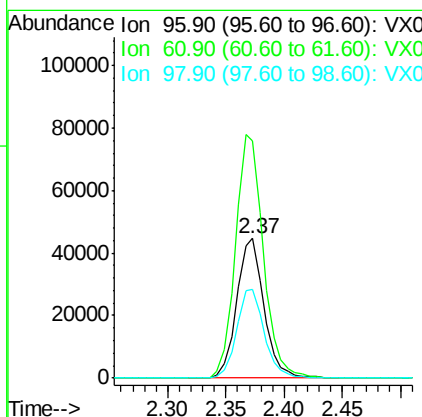
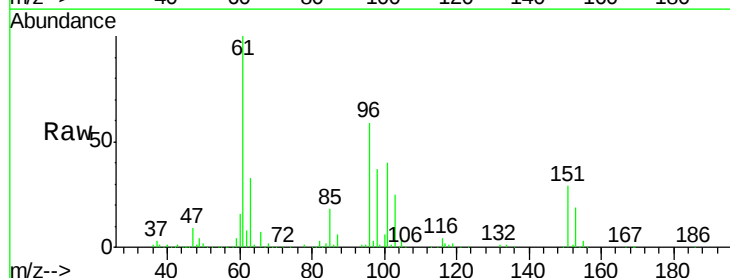
Instrument :
MSVOA_X
ClientSampleId :
SS050MW113-190430MSD

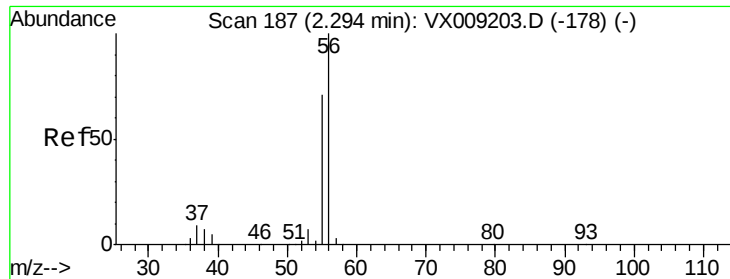
Tot Ion: 59 Resp: 147537
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2



#12
1,1-Dichloroethene
Concen: 47.577 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

Tgt Ion: 96 Resp: 73023
Ion Ratio Lower Upper
96 100
61 169.8 144.3 216.5
98 63.4 50.3 75.5





#13

Acrolein

Concen: 250.909 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

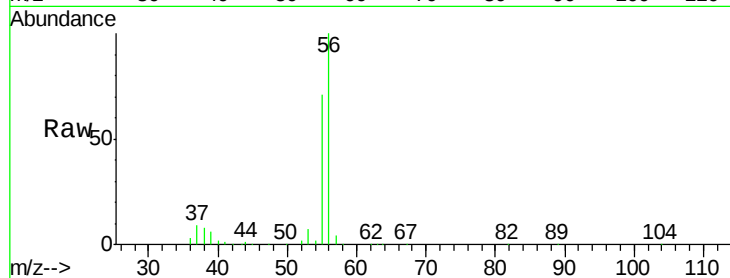
SS050MW113-190430MSD

Tot Ion: 56 Resp: 117455

Ion Ratio Lower Upper

56 100

55 71.1 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

80000

60000

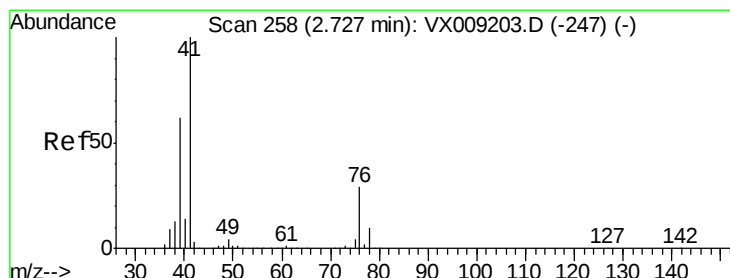
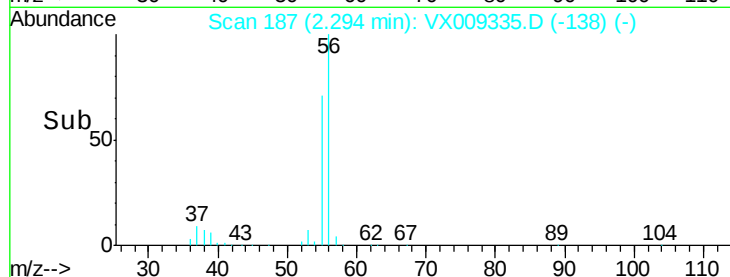
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 48.029 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

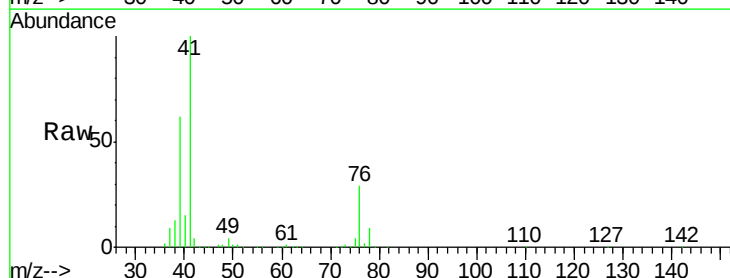
Tgt Ion: 41 Resp: 179648

Ion Ratio Lower Upper

41 100

39 57.2 46.7 70.1

76 26.6 21.8 32.8



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

120000

100000

80000

60000

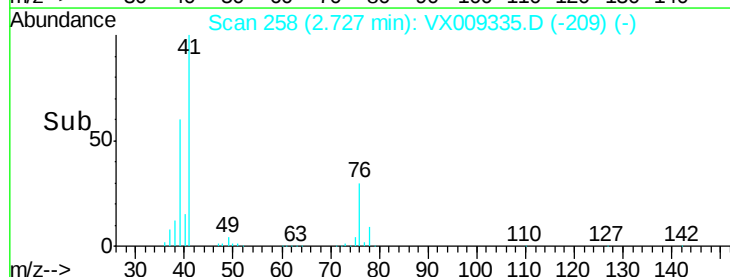
40000

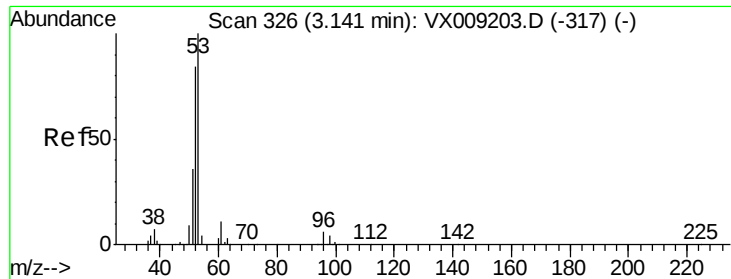
20000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 268.898 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

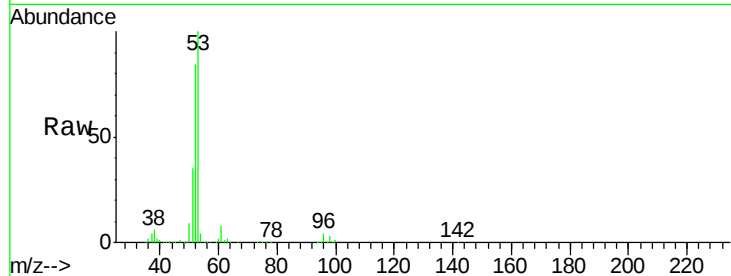
Tot Ion: 53 Resp: 339847

Ion Ratio Lower Upper

53 100

52 83.2 66.9 100.3

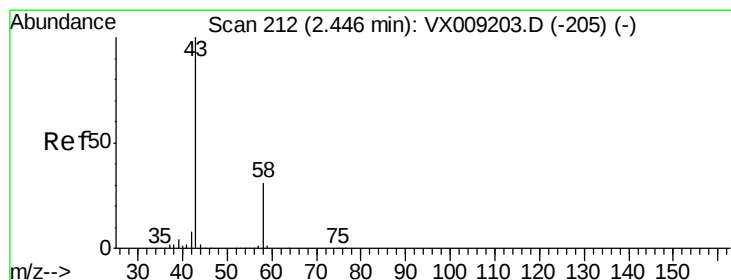
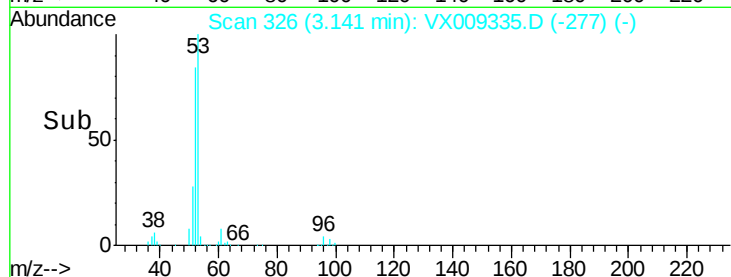
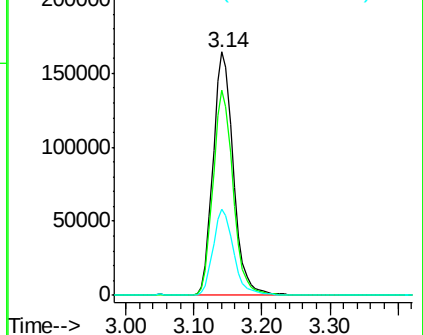
51 35.6 28.2 42.2



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: 245.081 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009335.D

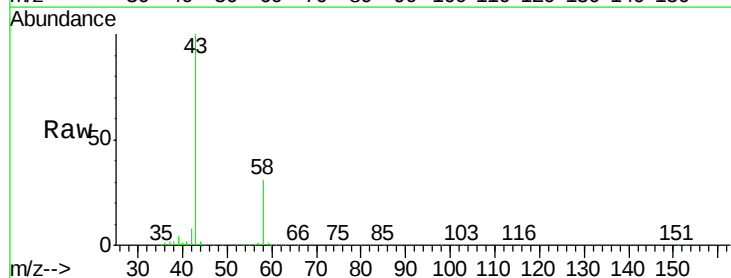
Acq: 04 May 2019 01:13

Tgt Ion: 43 Resp: 293867

Ion Ratio Lower Upper

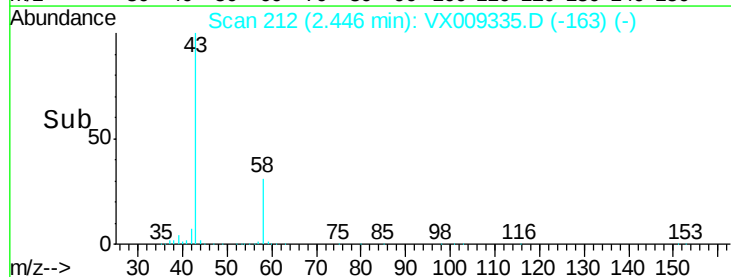
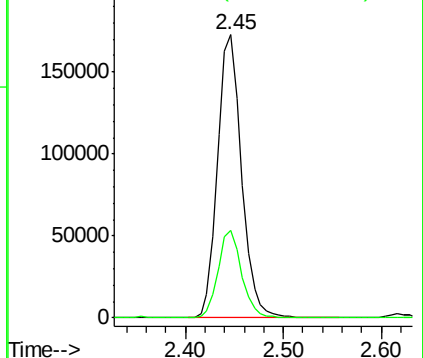
43 100

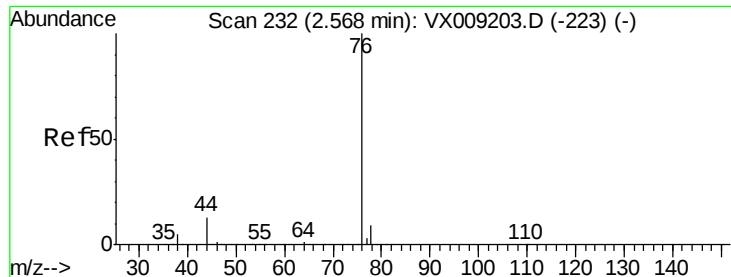
58 30.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

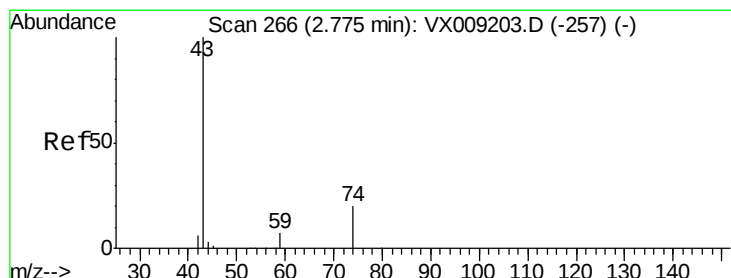
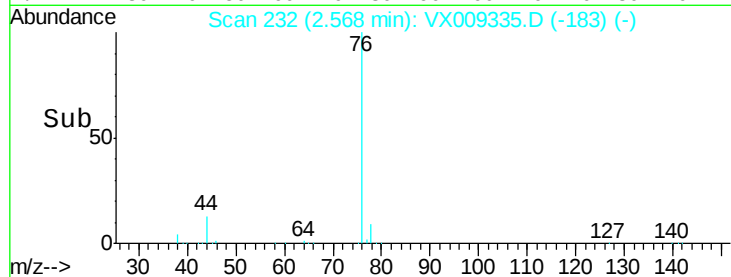
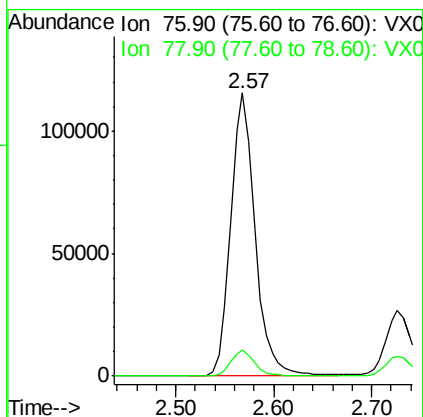
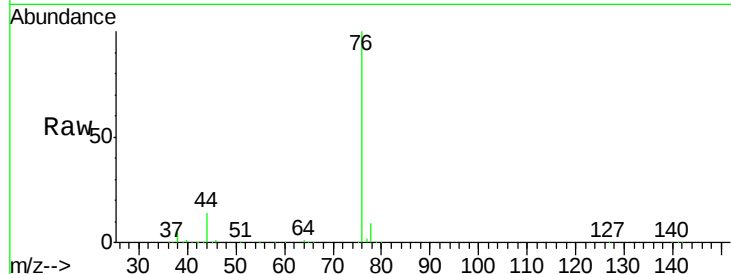




#17
Carbon Disulfide
Concen: 46.525 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

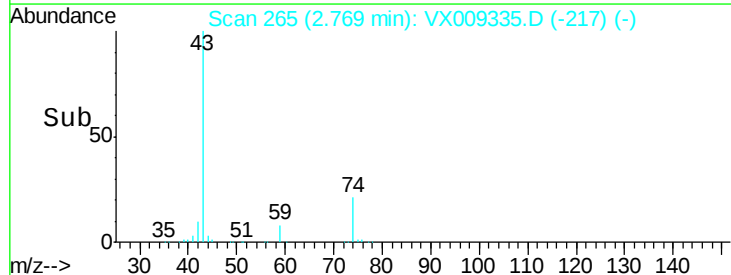
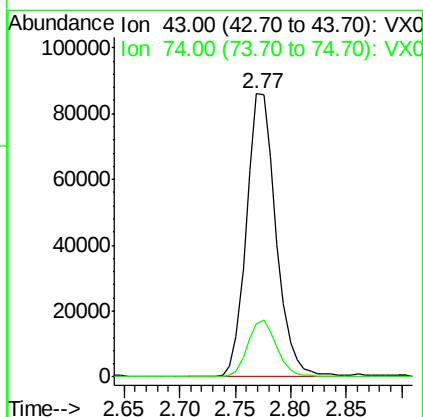
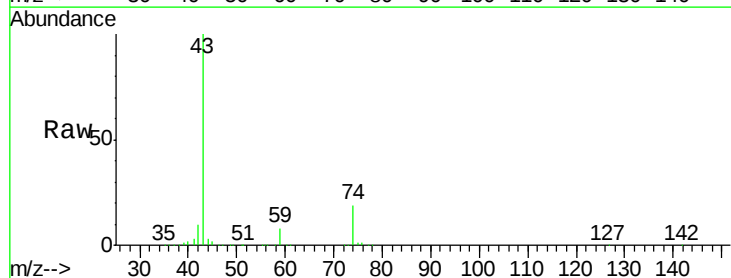
Instrument :
MSVOA_X
ClientSampleId :
SS050MW113-190430MSD

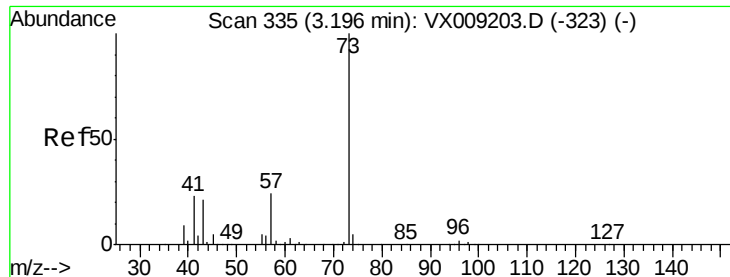
Tot Ion: 76 Resp: 200483
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 55.653 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

Tgt Ion: 43 Resp: 158701
Ion Ratio Lower Upper
43 100
74 20.3 16.2 24.4

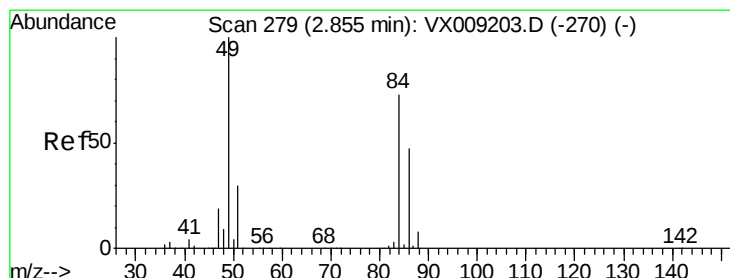
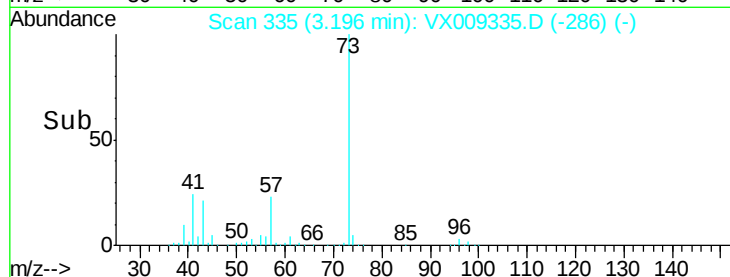
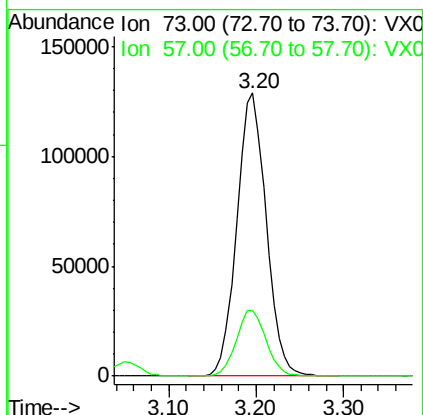
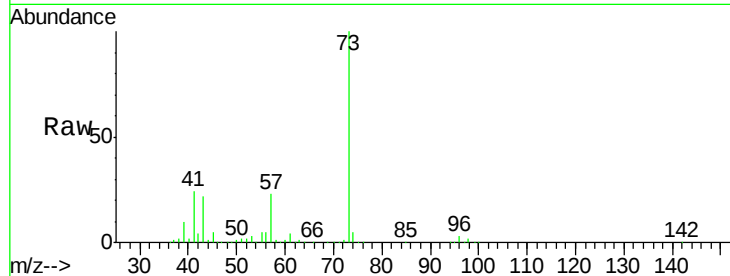




#19
Methyl tert-butyl Ether
Concen: 50.432 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

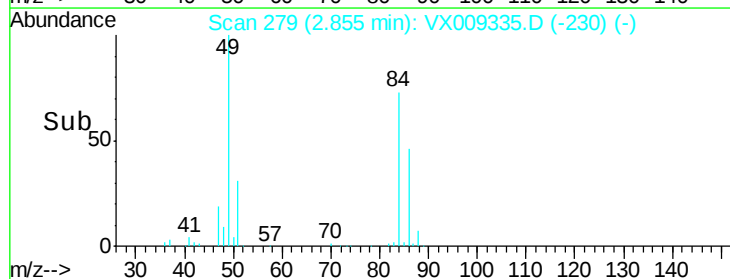
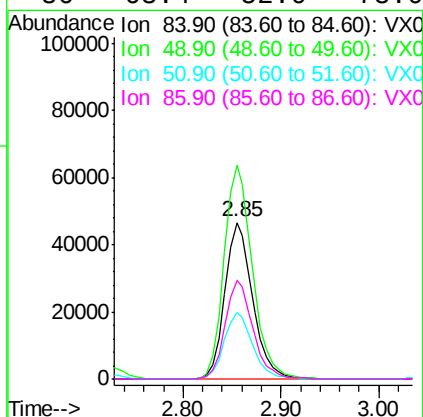
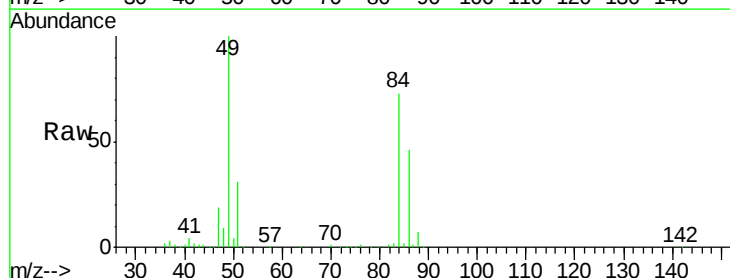
Instrument :
MSVOA_X
ClientSampleId :
SS050MW113-190430MSD

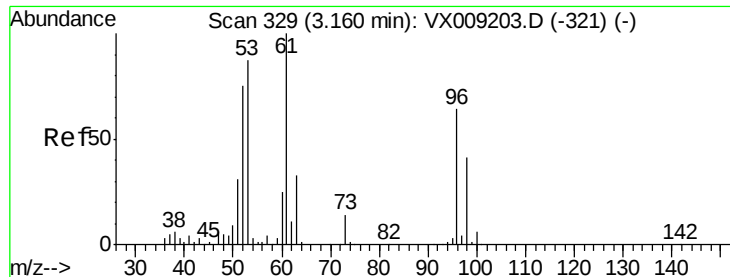
Tot Ion: 73 Resp: 300582
Ion Ratio Lower Upper
73 100
57 23.4 19.3 28.9



#20
Methylene Chloride
Concen: 47.171 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

Tgt Ion: 84 Resp: 91580
Ion Ratio Lower Upper
84 100
49 136.4 109.9 164.9
51 42.8 32.7 49.1
86 63.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 48.084 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

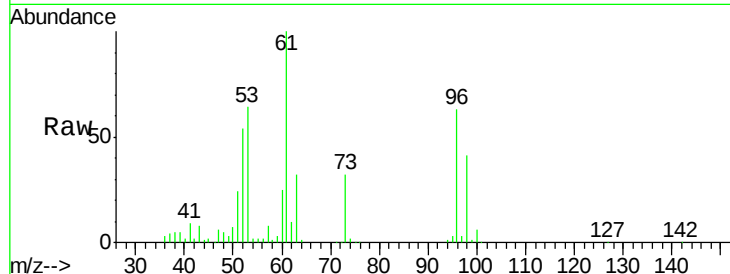
Tot Ion: 96 Resp: 80038

Ion Ratio Lower Upper

96 100

61 159.1 124.5 186.7

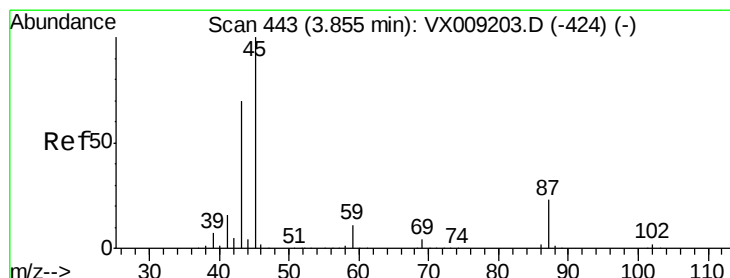
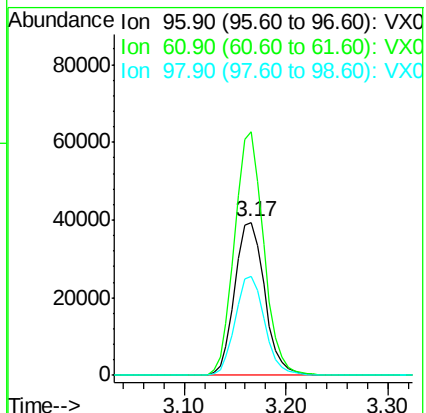
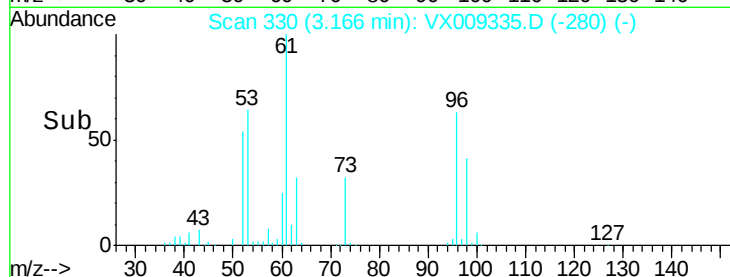
98 65.0 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.393 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Tgt Ion: 45 Resp: 362487

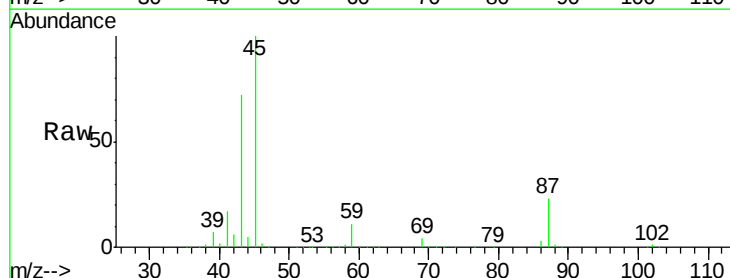
Ion Ratio Lower Upper

45 100

43 72.3 56.1 84.1

87 22.9 18.1 27.1

59 10.6 8.5 12.7

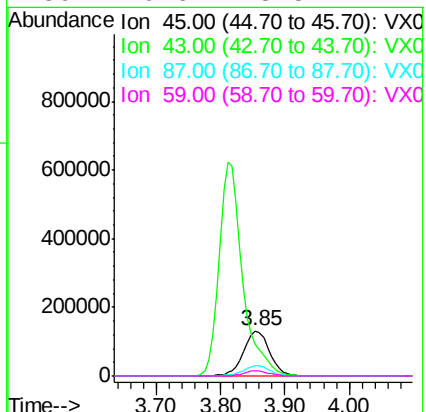
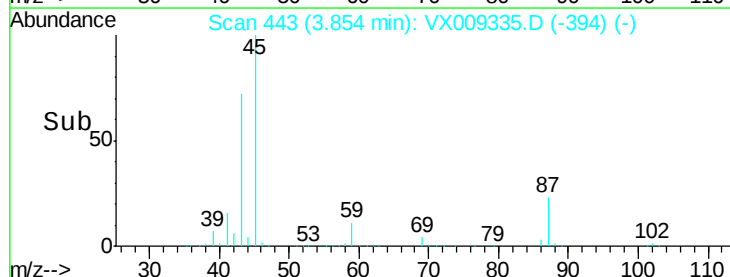


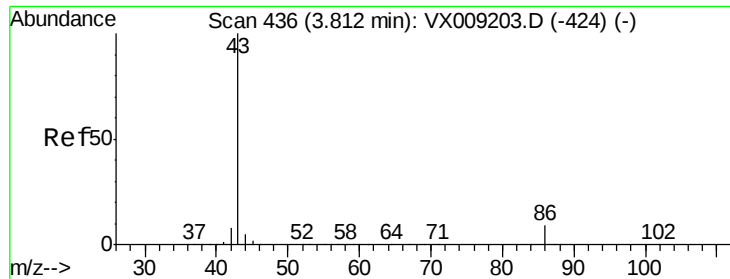
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 261.538 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

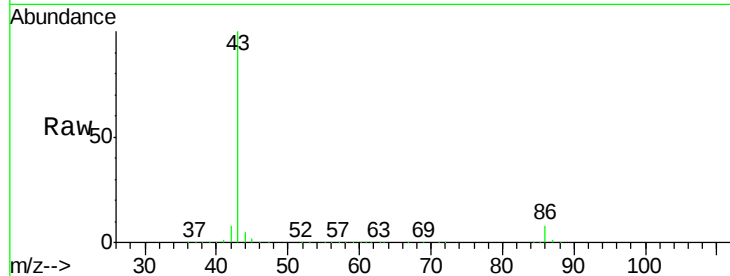
SS050MW113-190430MSD

Tot Ion: 43 Resp: 1610992

Ion Ratio Lower Upper

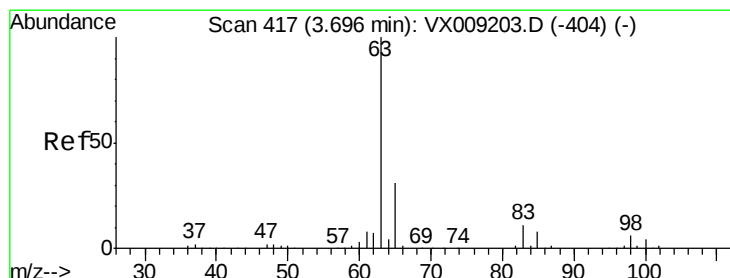
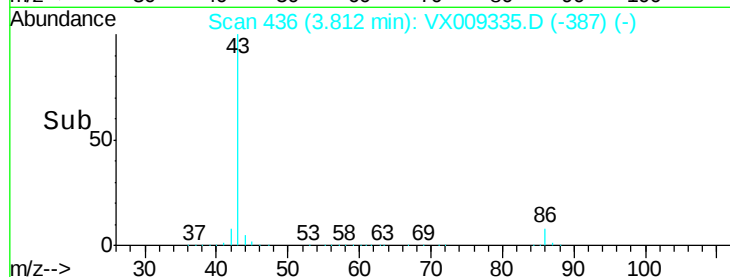
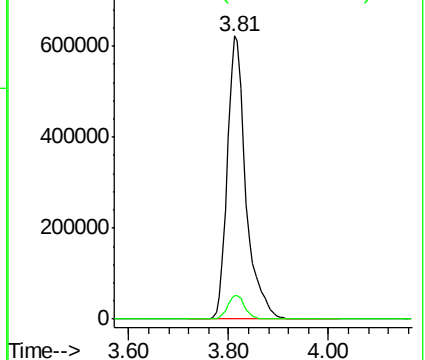
43 100

86 8.4 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.592 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

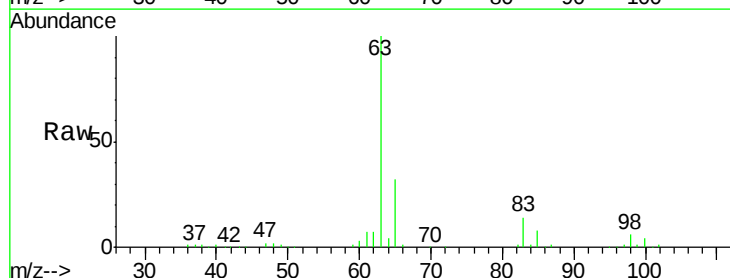
Tgt Ion: 63 Resp: 172430

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

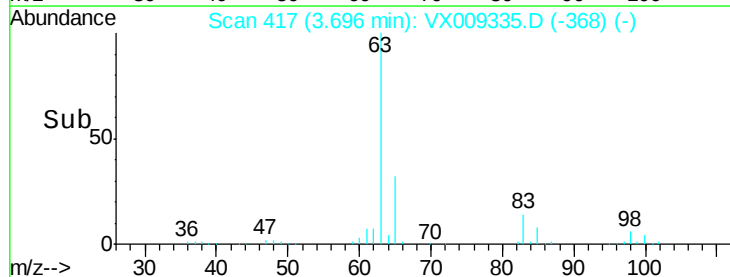
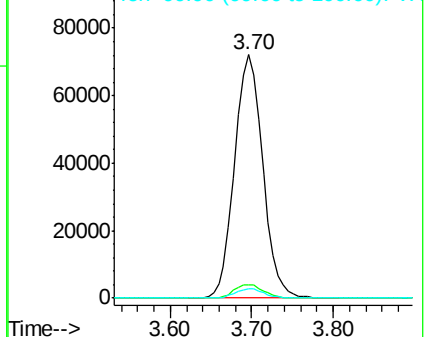
100 4.0 2.0 6.0

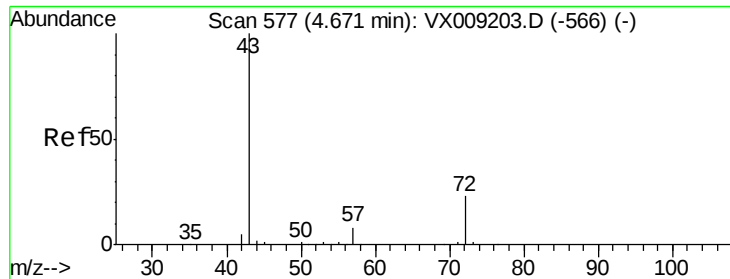


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 274.547 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

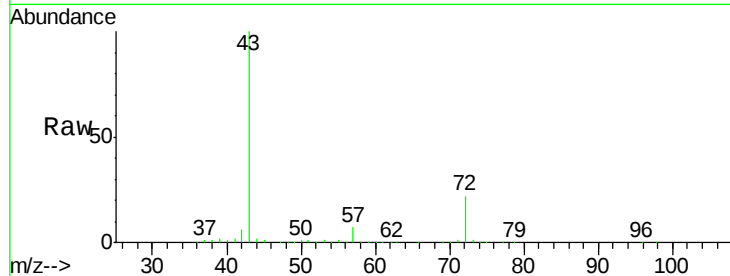
SS050MW113-190430MSD

Tot Ion: 43 Resp: 511564

Ion Ratio Lower Upper

43 100

72 22.3 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

150000

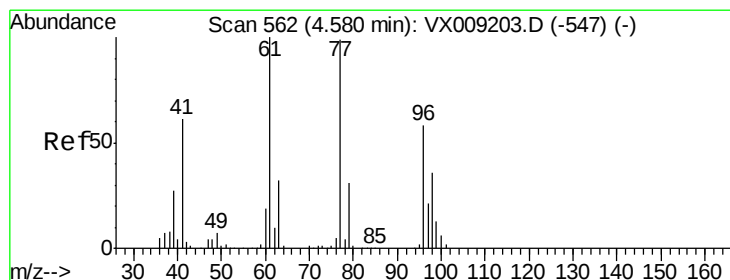
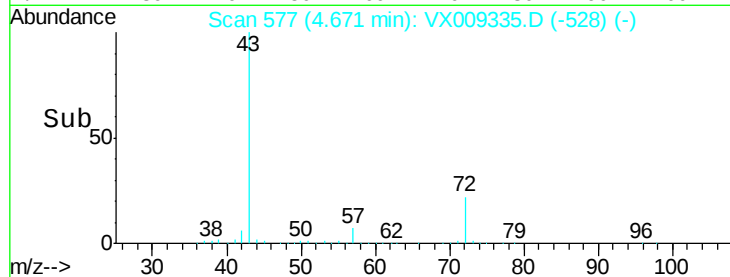
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 39.376 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009335.D

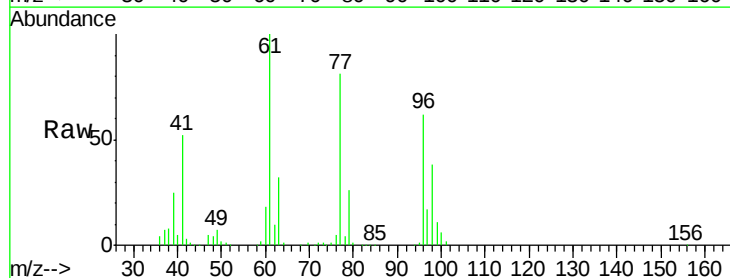
Acq: 04 May 2019 01:13

Tgt Ion: 77 Resp: 104004

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

30000

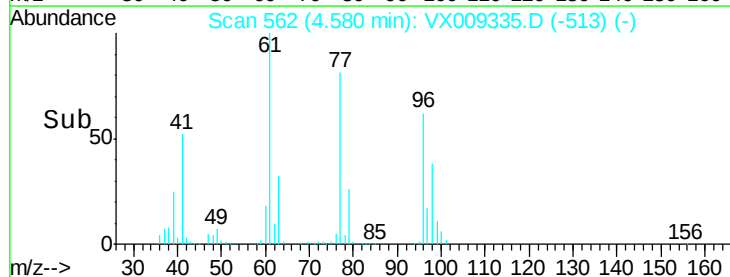
20000

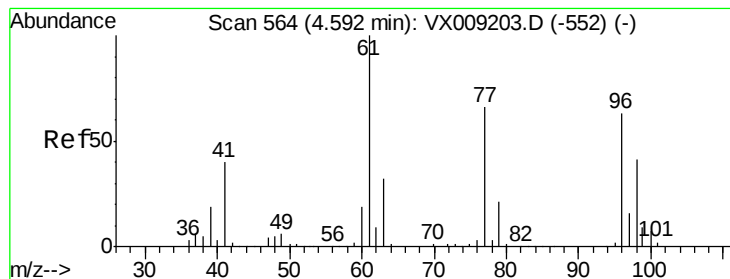
10000

0

4.40 4.50 4.60 4.70

Time-->



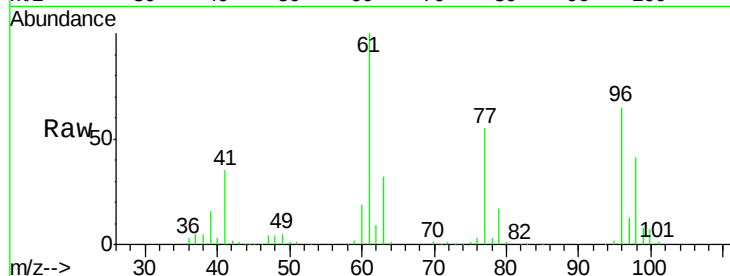


#27

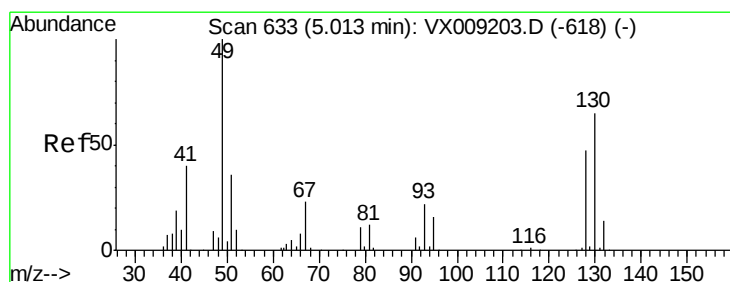
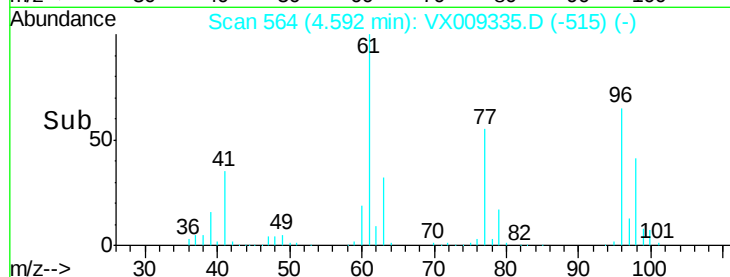
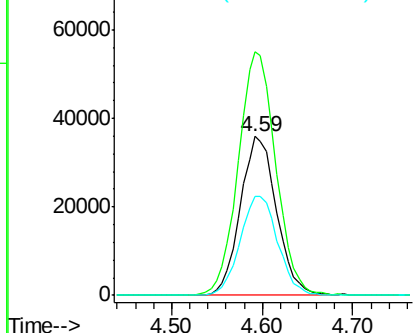
cis-1,2-Dichloroethene
Concen: 50.169 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

Instrument :
MSVOA_X
ClientSampleId :
SS050MW113-190430MSD

Tot Ion	96	Resp	99677
Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	324.0
98	64.9	0.0	130.4



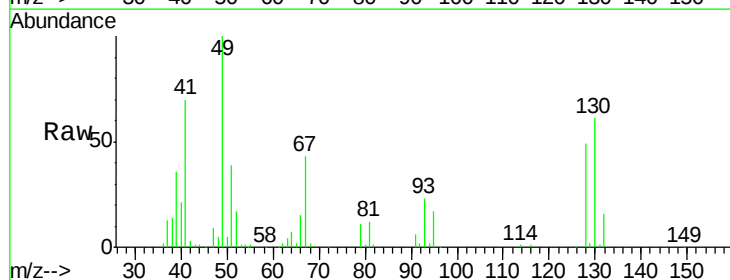
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



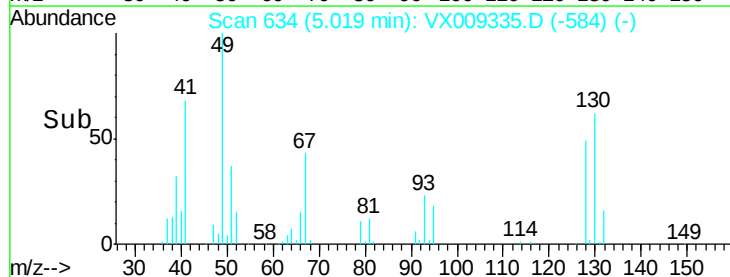
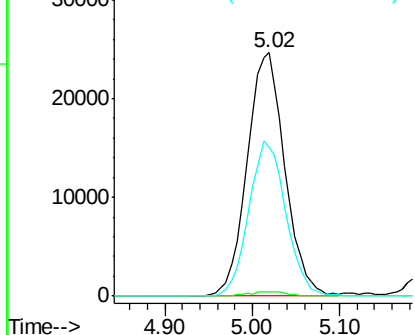
#28

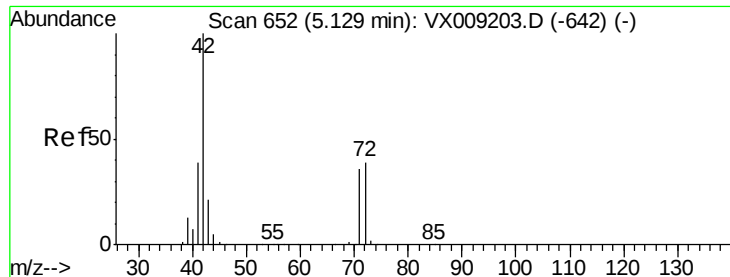
Bromochloromethane
Concen: 51.852 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

Tgt Ion	49	Resp	73923
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	62.7	51.2	76.8



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

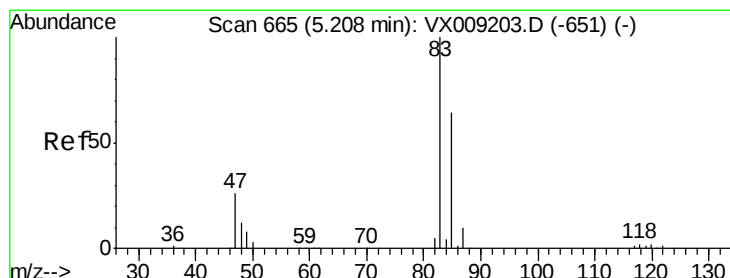
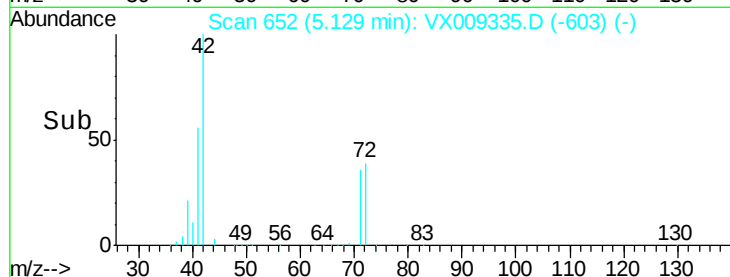
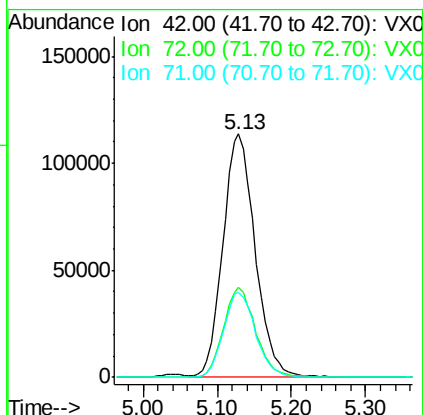
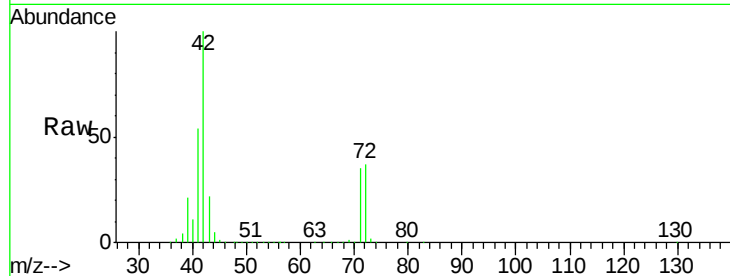




#29
Tetrahydrofuran
Concen: 284.640 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

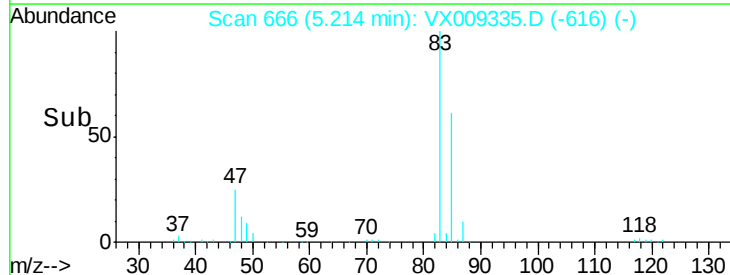
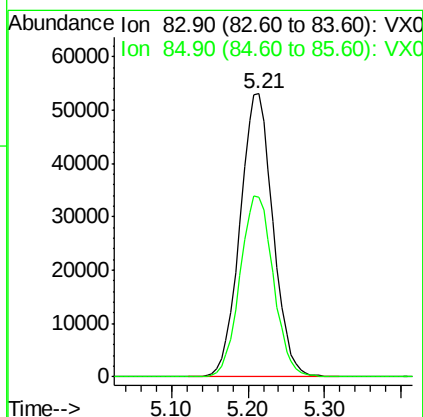
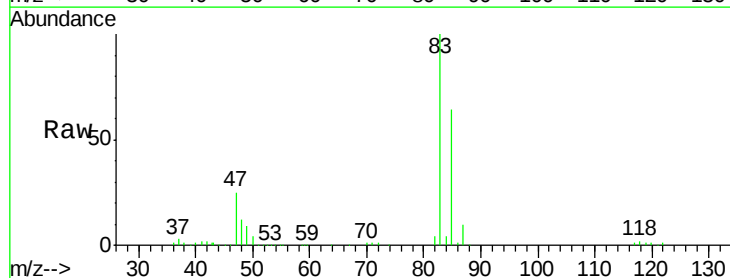
Instrument :
MSVOA_X
ClientSampleId :
SS050MW113-190430MSD

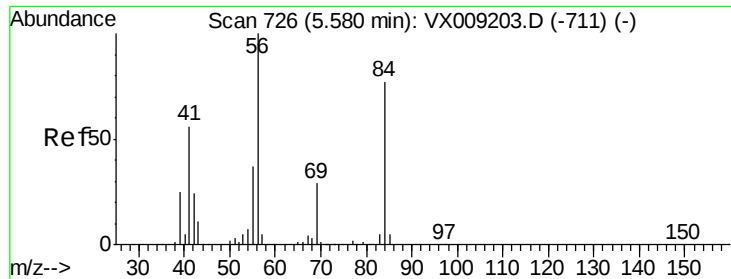
Tot Ion: 42 Resp: 341291
Ion Ratio Lower Upper
42 100
72 37.1 30.4 45.6
71 35.2 28.6 43.0



#30
Chloroform
Concen: 49.442 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

Tgt Ion: 83 Resp: 158679
Ion Ratio Lower Upper
83 100
85 63.6 51.5 77.3

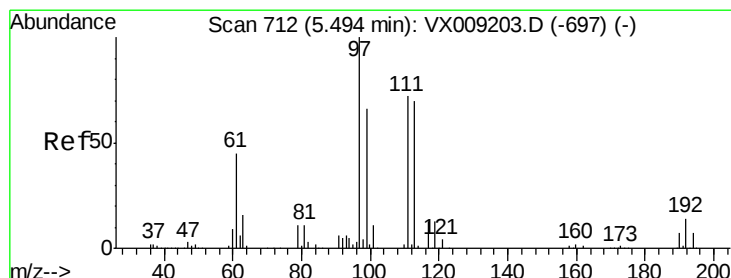
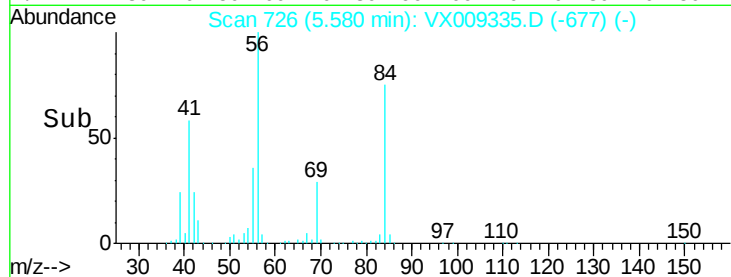
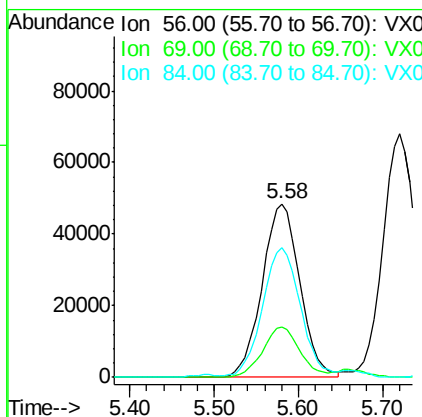
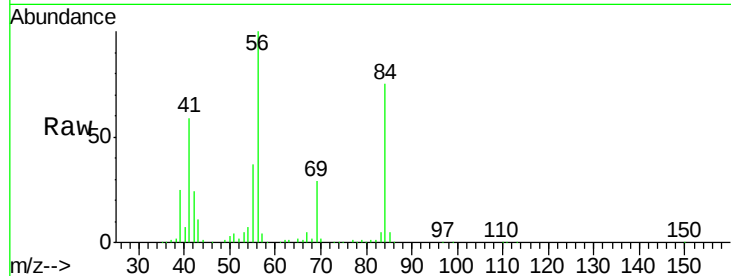




#31
Cyclohexane
Concen: 45.407 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

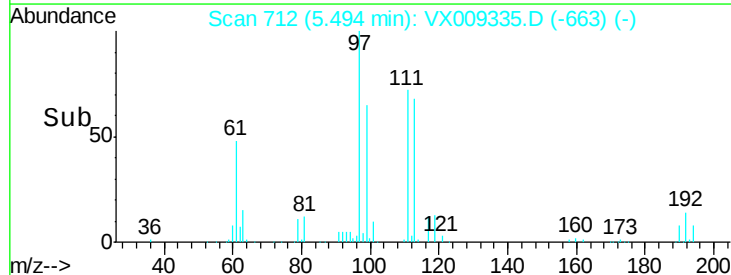
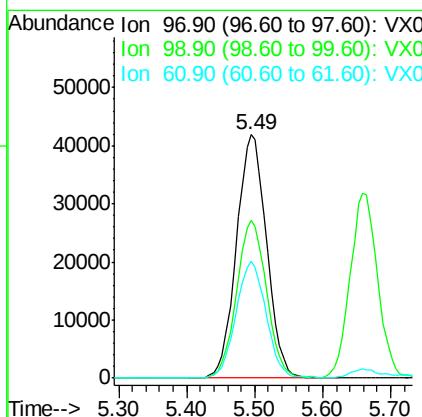
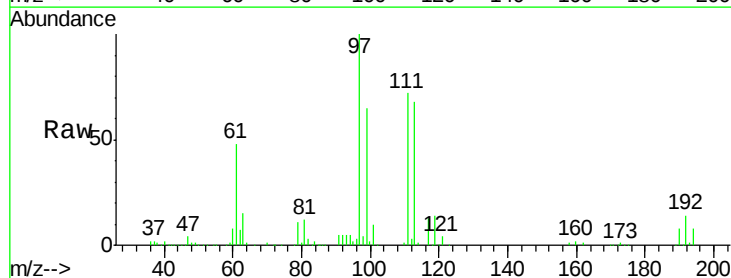
Instrument :
MSVOA_X
ClientSampleId :
SS050MW113-190430MSD

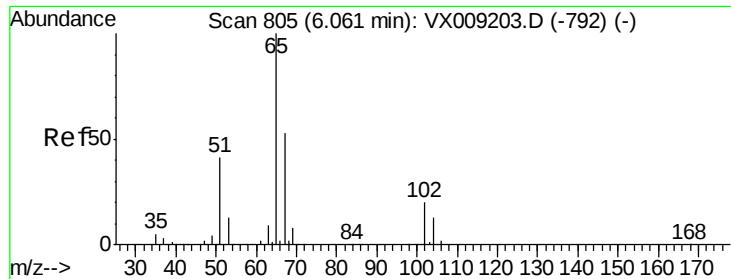
Tot Ion: 56 Resp: 149908
Ion Ratio Lower Upper
56 100
69 29.2 23.4 35.0
84 74.3 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 48.202 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

Tgt Ion: 97 Resp: 128782
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.8
61 48.0 37.8 56.8

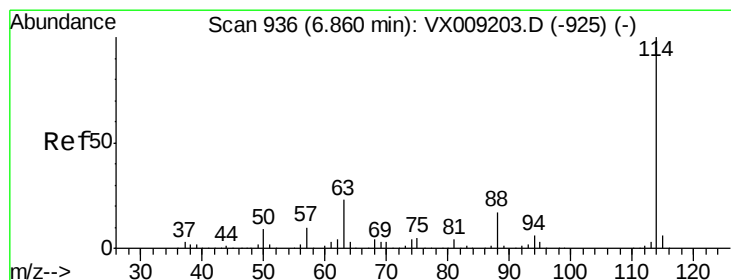
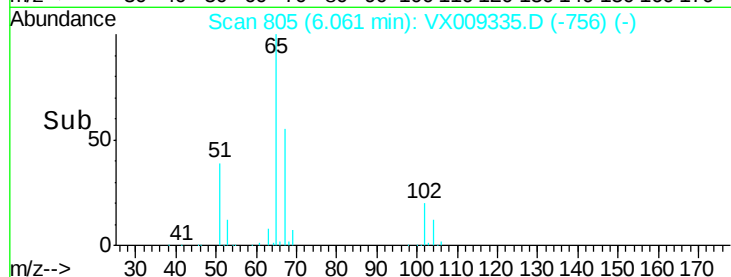
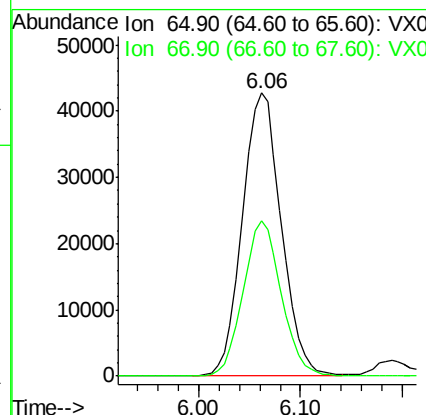
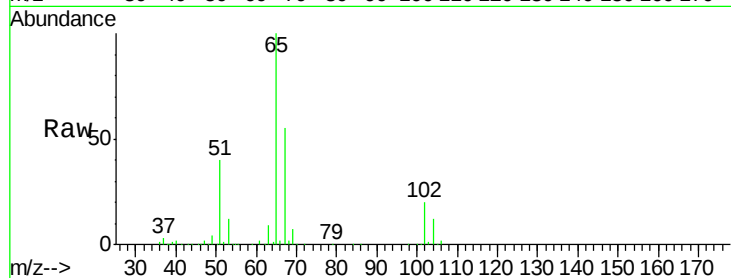




#33
 1,2-Dichloroethane-d4
 Concen: 50.744 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009335.D
 Acq: 04 May 2019 01:13

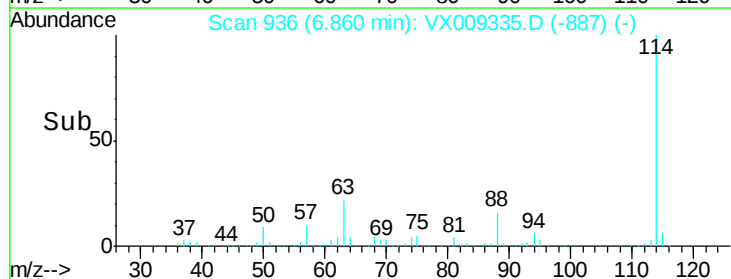
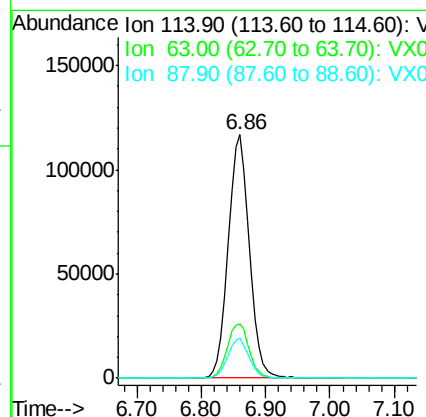
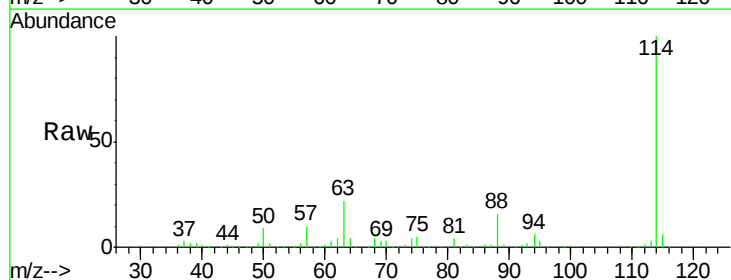
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW113-190430MSD

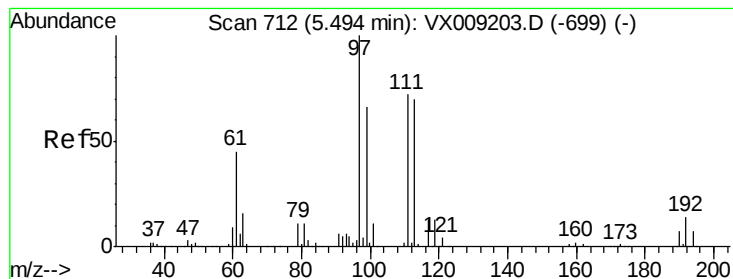
Tot Ion: 65 Resp: 113314
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009335.D
 Acq: 04 May 2019 01:13

Tgt Ion: 114 Resp: 271374
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.6
 88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.061 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

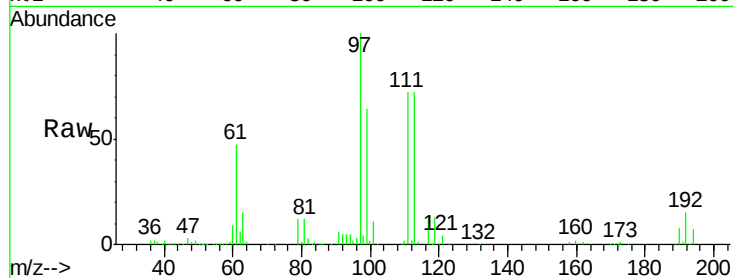
Tot Ion:113 Resp: 83697

Ion Ratio Lower Upper

113 100

111 101.9 82.8 124.2

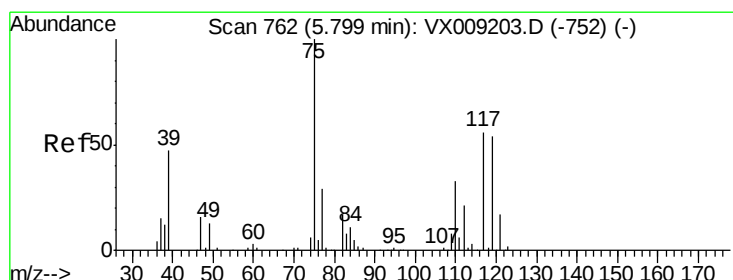
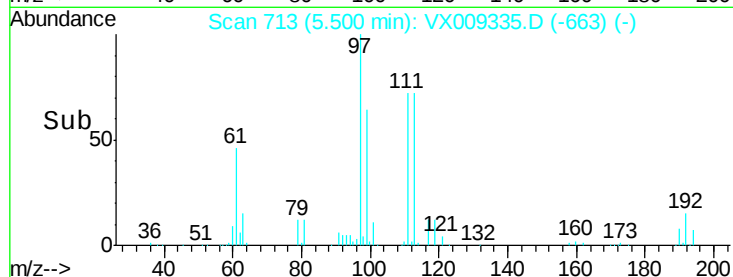
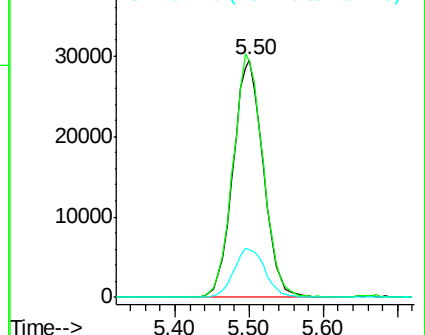
192 21.4 17.0 25.6



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: 46.910 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

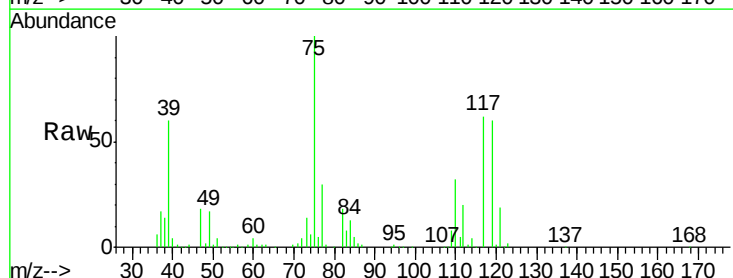
Tgt Ion: 75 Resp: 118304

Ion Ratio Lower Upper

75 100

110 33.2 16.9 50.6

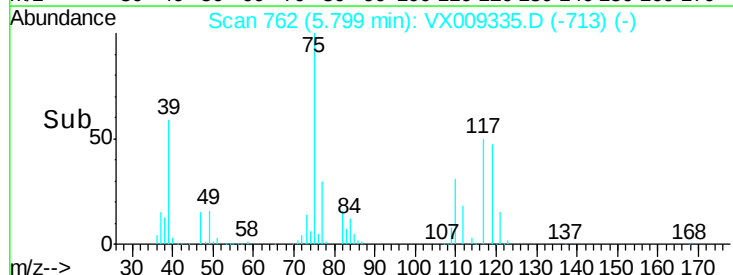
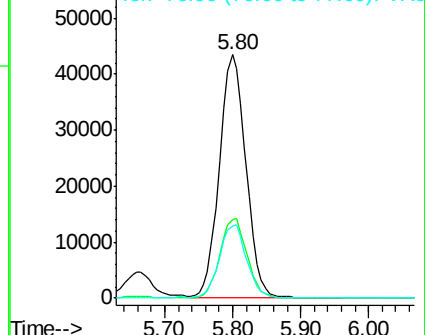
77 30.8 24.8 37.2

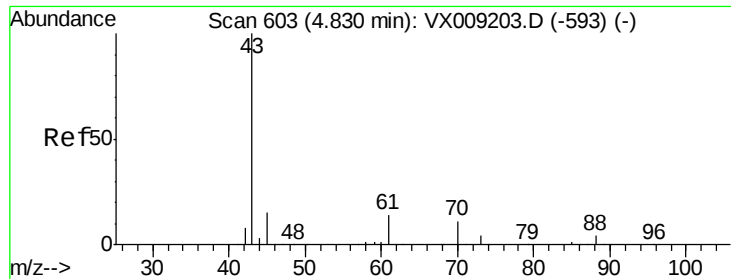


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 52.602 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

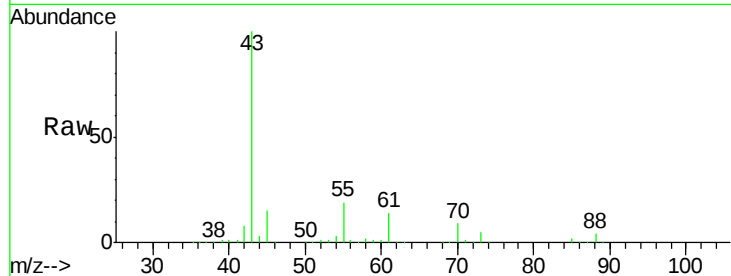
Tot Ion: 43 Resp: 184832

Ion Ratio Lower Upper

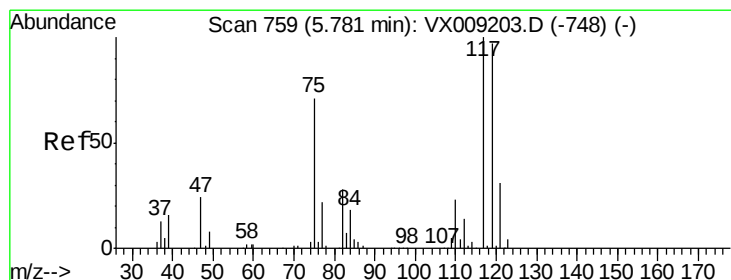
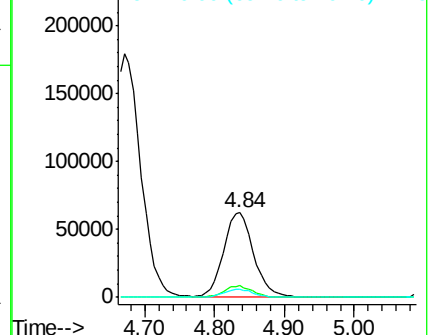
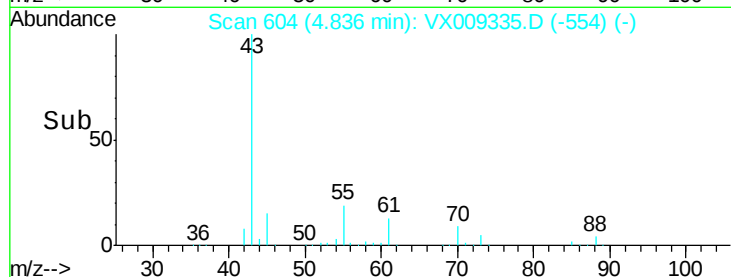
43 100

61 12.9 10.5 15.7

70 9.4 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX009335.D (-554) (-)



#38

Carbon Tetrachloride

Concen: 46.663 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

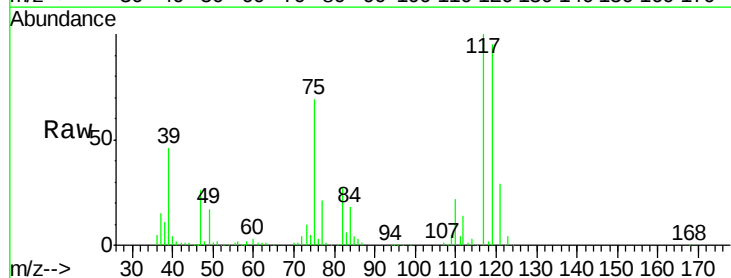
Tgt Ion: 117 Resp: 106920

Ion Ratio Lower Upper

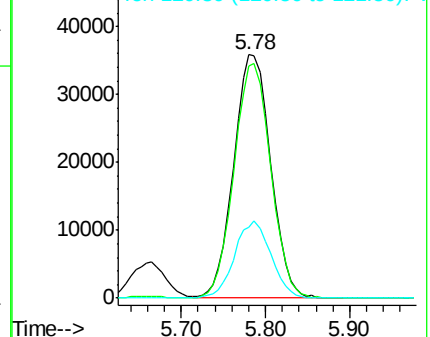
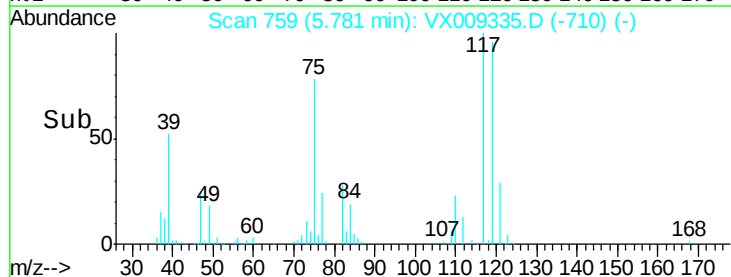
117 100

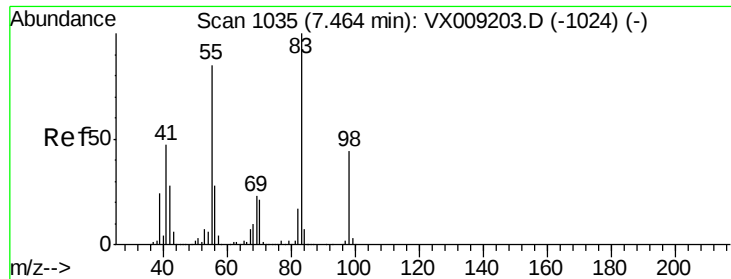
119 95.2 77.5 116.3

121 29.3 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): VX009335.D (-710) (-)

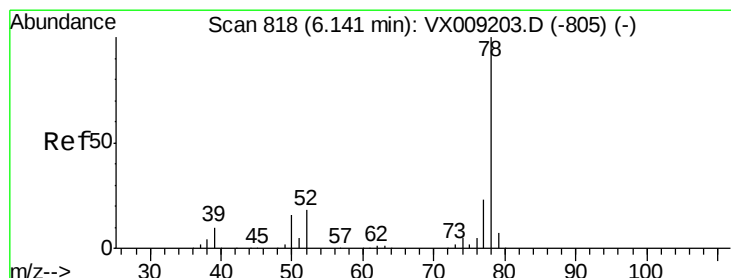
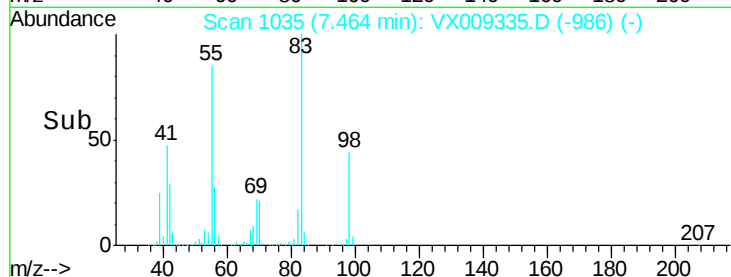
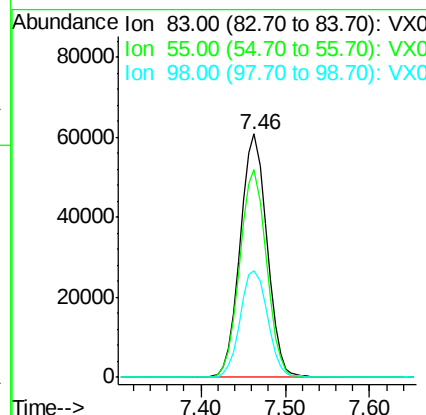
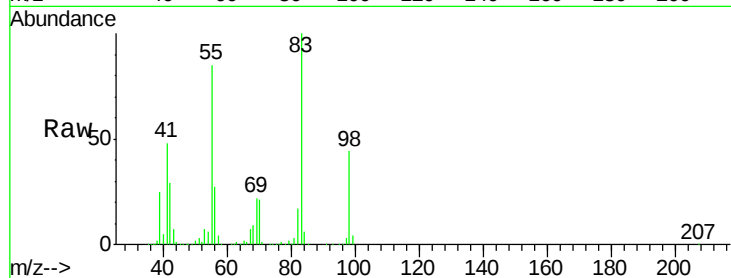




#39
Methvlcvclohexane
Concen: 42.095 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

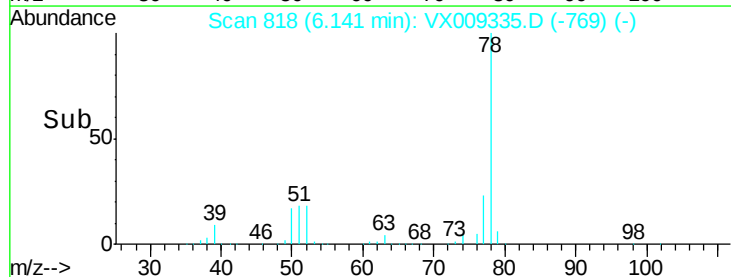
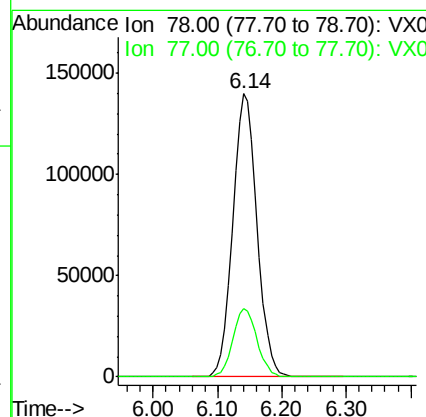
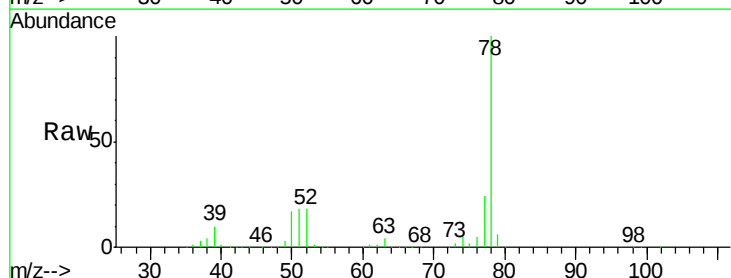
Instrument :
MSVOA_X
ClientSampleId :
SS050MW113-190430MSD

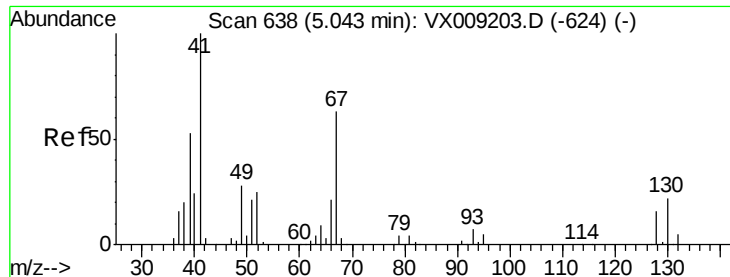
Tot Ion: 83 Resp: 130373
Ion Ratio Lower Upper
83 100
55 85.5 67.7 101.5
98 43.9 35.5 53.3



#40
Benzene
Concen: 47.345 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

Tgt Ion: 78 Resp: 369525
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2





#41

Methacrylonitrile

Concen: 51.623 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

Tot Ion: 41 Resp: 107976

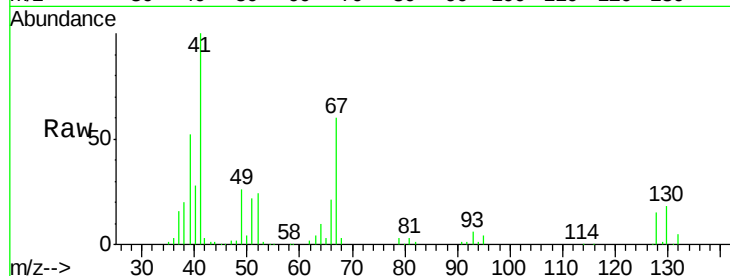
Ion Ratio Lower Upper

41 100

39 52.5 42.0 63.0

67 61.3 49.8 74.8

52 25.5 20.3 30.5

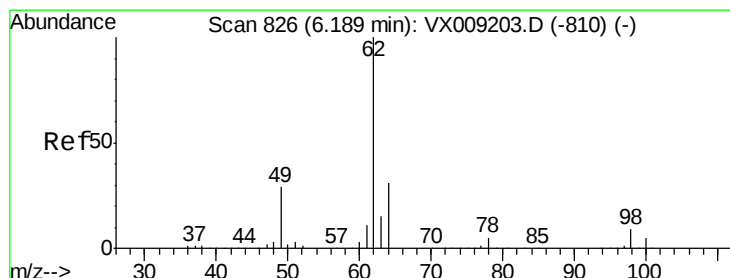
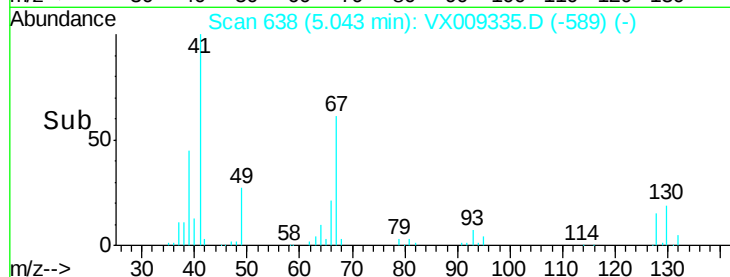
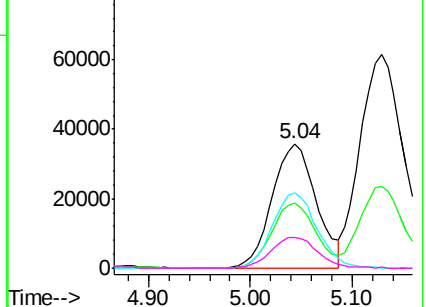


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 48.024 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX009335.D

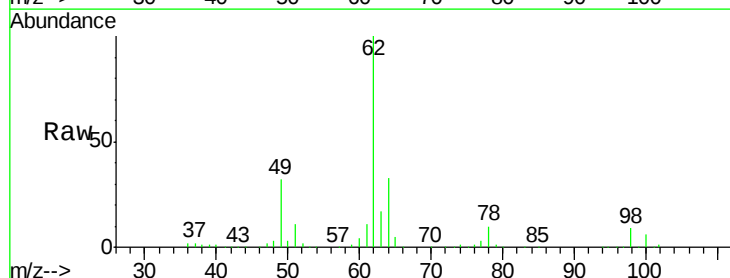
Acq: 04 May 2019 01:13

Tgt Ion: 62 Resp: 134456

Ion Ratio Lower Upper

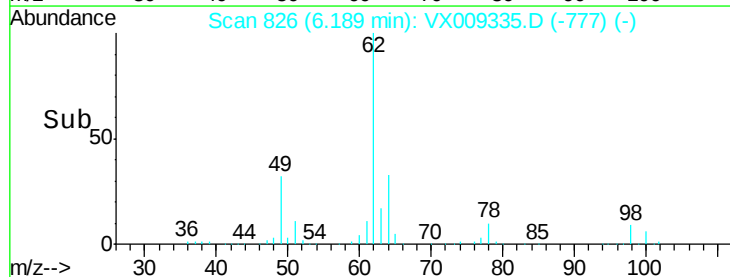
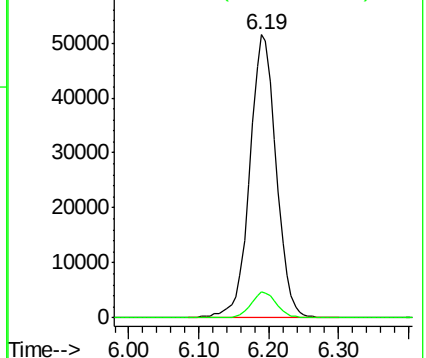
62 100

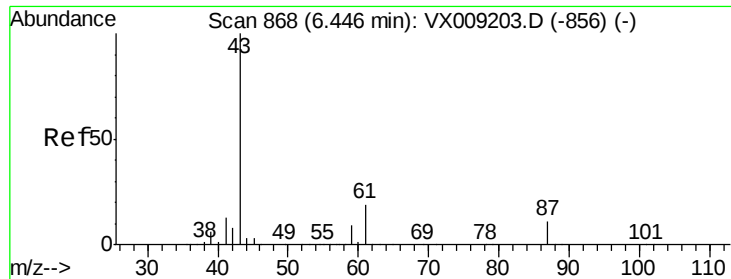
98 8.9 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.496 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

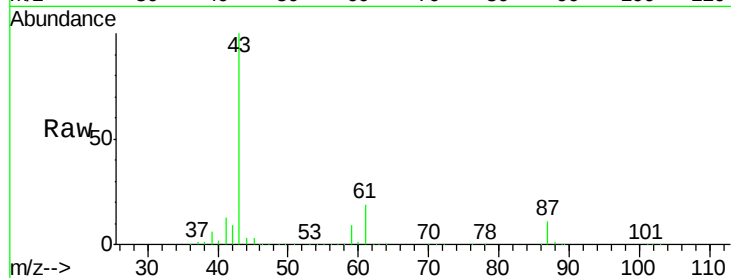
Tot Ion: 43 Resp: 289431

Ion Ratio Lower Upper

43 100

61 18.6 15.1 22.7

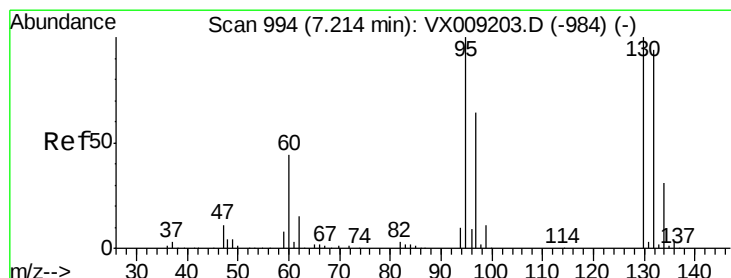
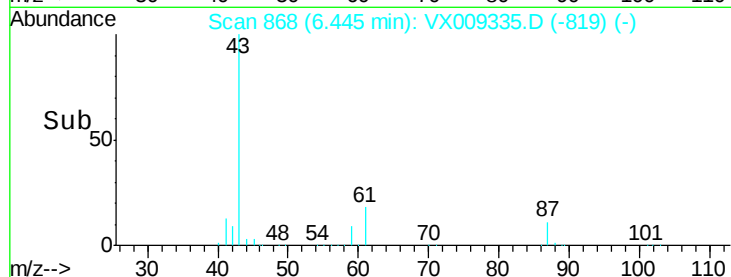
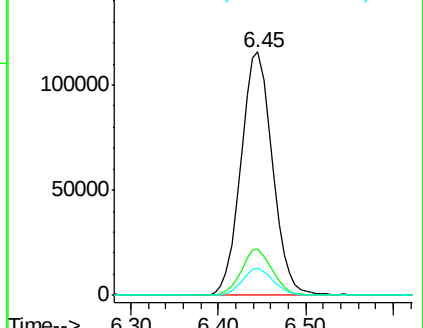
87 11.1 9.0 13.6



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: 45.642 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009335.D

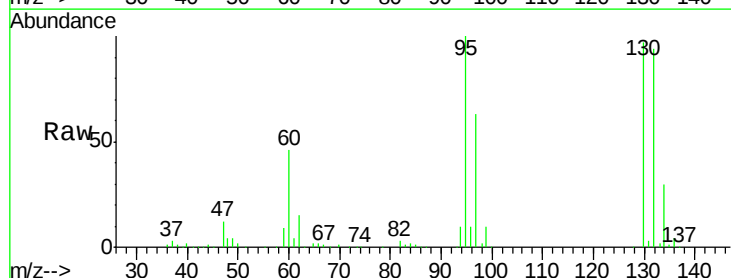
Acq: 04 May 2019 01:13

Tgt Ion:130 Resp: 86119

Ion Ratio Lower Upper

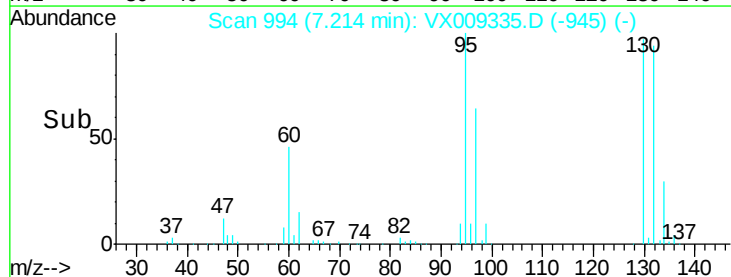
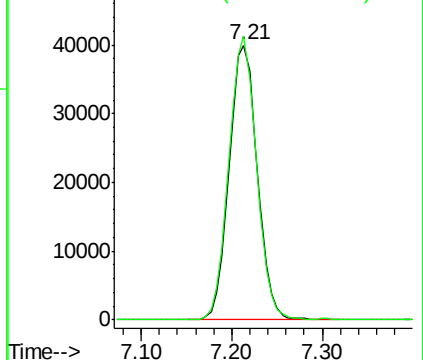
130 100

95 103.0 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 48.388 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

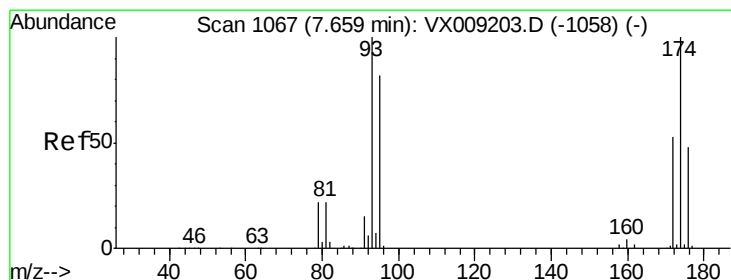
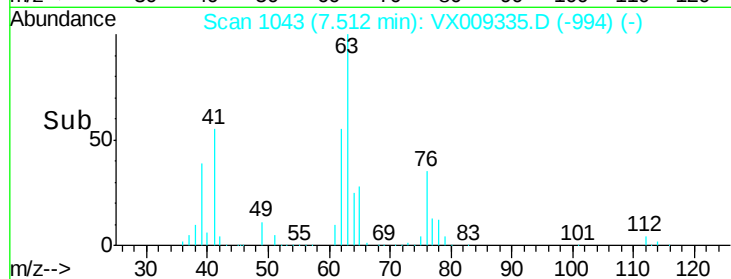
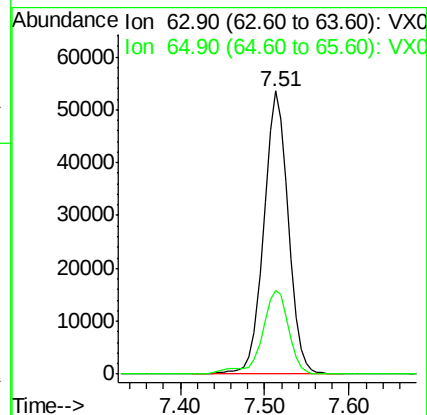
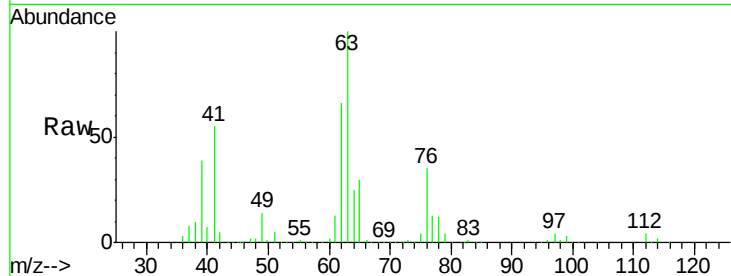
SS050MW113-190430MSD

Tot Ion: 63 Resp: 106938

Ion Ratio Lower Upper

63 100

65 29.7 25.0 37.6



#46

Dibromomethane

Concen: 47.988 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

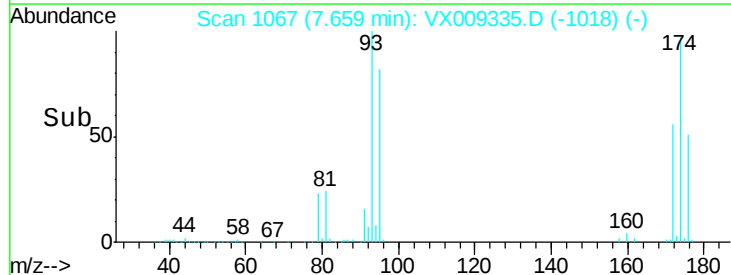
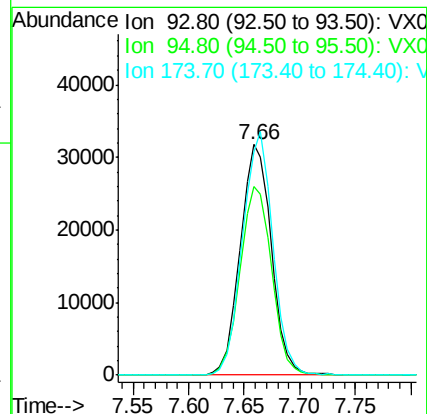
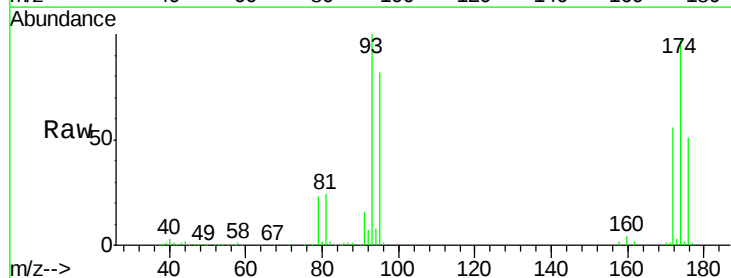
Tgt Ion: 93 Resp: 61587

Ion Ratio Lower Upper

93 100

95 83.0 66.5 99.7

174 103.2 82.1 123.1





#47

Bromodichloromethane

Concen: 48.700 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

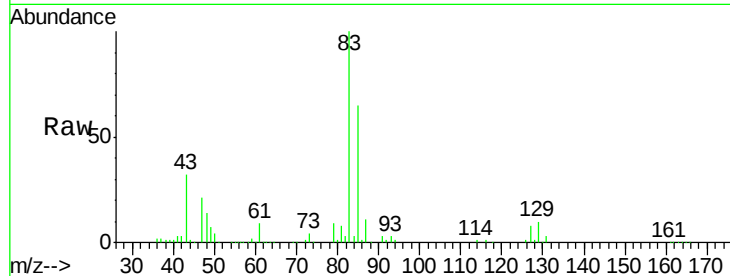
Tot Ion: 83 Resp: 124673

Ion Ratio Lower Upper

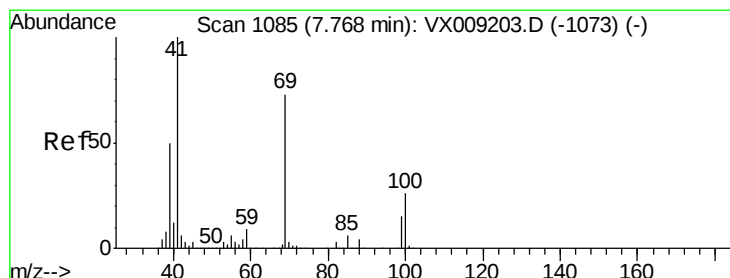
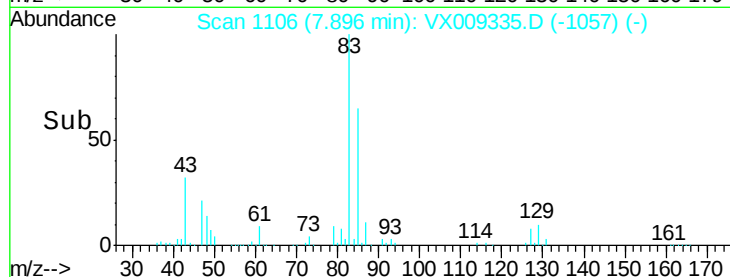
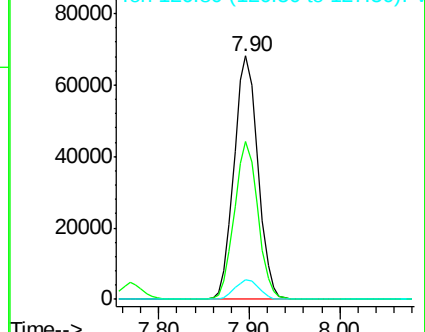
83 100

85 64.7 52.4 78.6

127 8.2 6.6 10.0



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



#48

Methyl methacrylate

Concen: 52.683 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

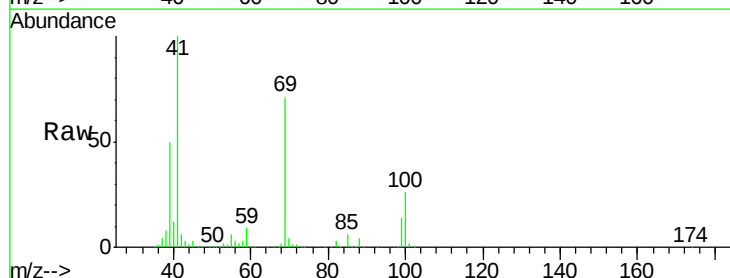
Tgt Ion: 41 Resp: 146904

Ion Ratio Lower Upper

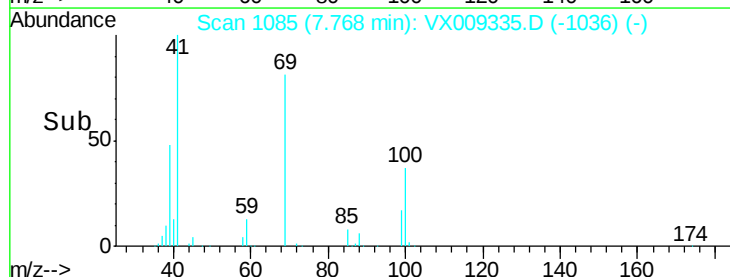
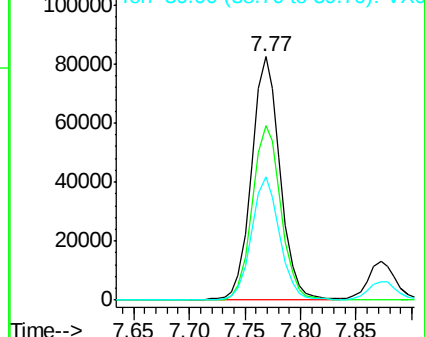
41 100

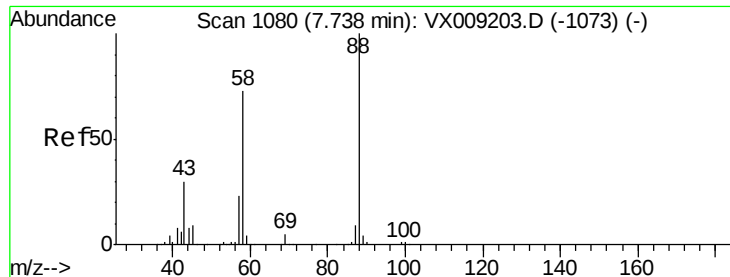
69 72.9 59.1 88.7

39 49.7 40.4 60.6



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

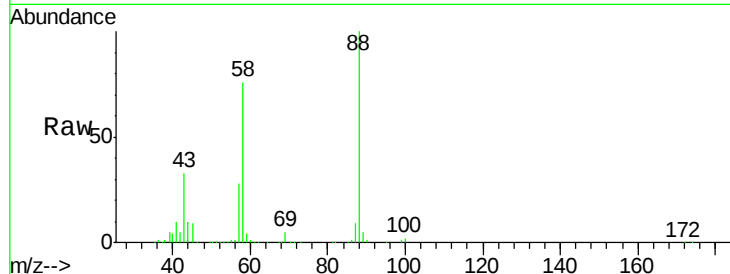




#49
 1,4-Dioxane
 Concen: 965.969 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX009335.D
 Acq: 04 May 2019 01:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW113-190430MSD

Tot Ion	88	Resp	54625
Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.6	42.8
58	78.4	61.7	92.5

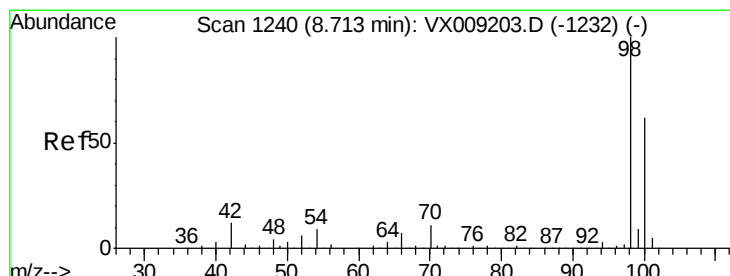
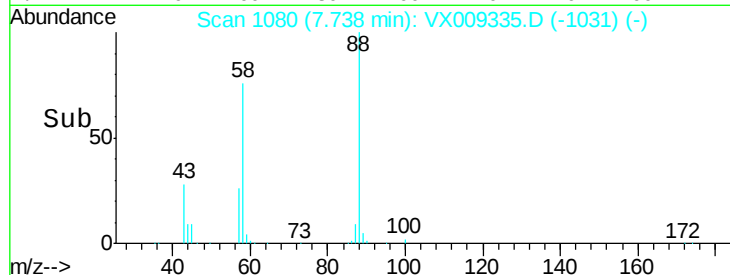
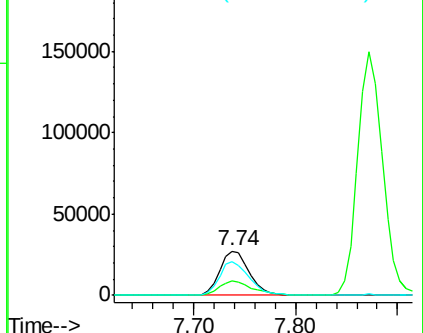


Abundance

Ion 88.00 (87.70 to 88.70): VX0

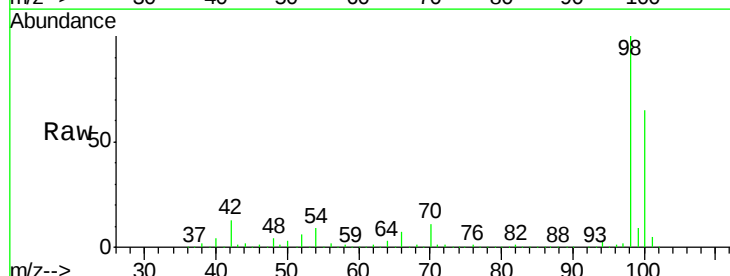
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
 Toluene-d8
 Concen: 48.598 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009335.D
 Acq: 04 May 2019 01:13

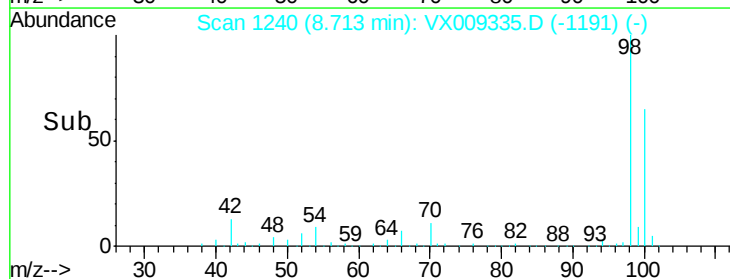
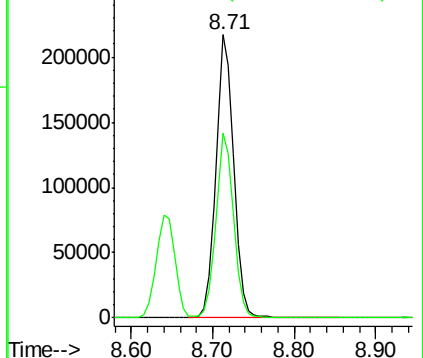
Tgt Ion	98	Resp	334717
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.2	76.8



Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 272.053 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

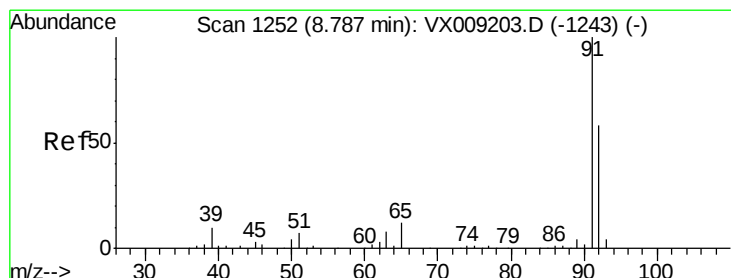
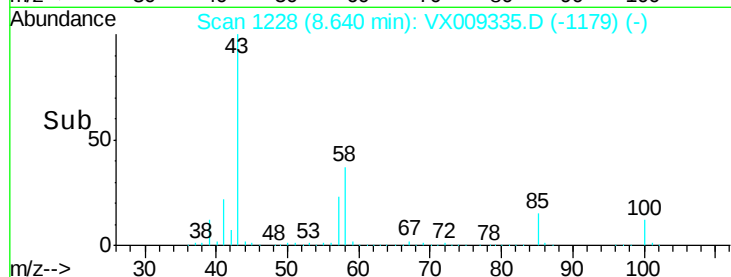
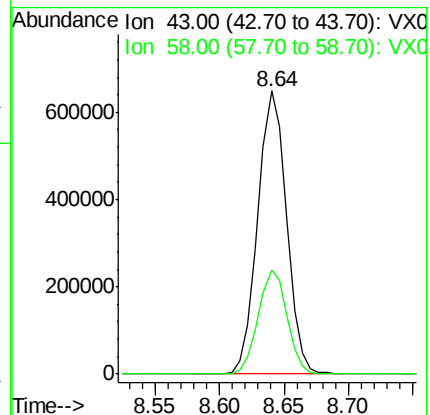
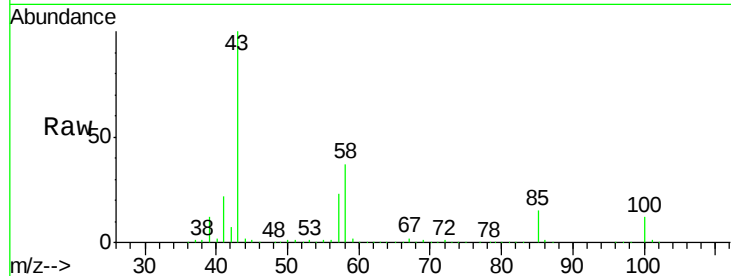
SS050MW113-190430MSD

Tot Ion: 43 Resp: 999428

Ion Ratio Lower Upper

43 100

58 36.8 29.5 44.3



#52

Toluene

Concen: 49.450 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009335.D

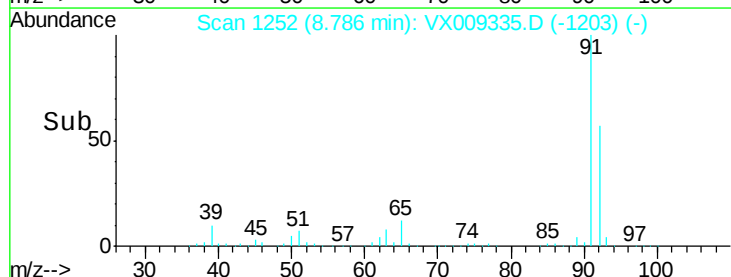
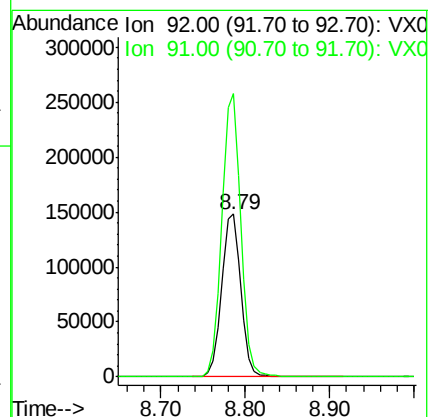
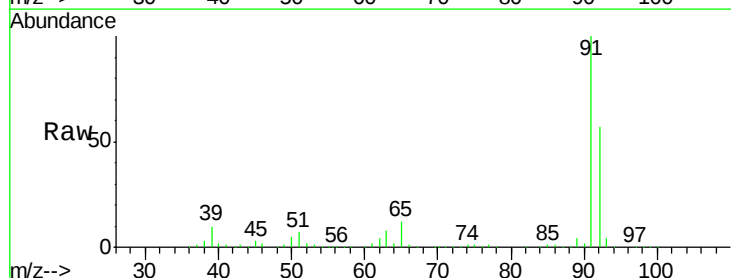
Acq: 04 May 2019 01:13

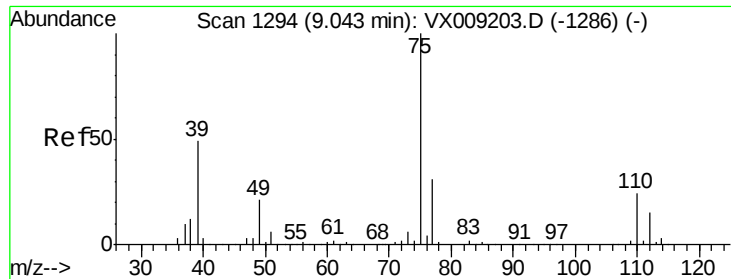
Tgt Ion: 92 Resp: 234609

Ion Ratio Lower Upper

92 100

91 172.1 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 48.997 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

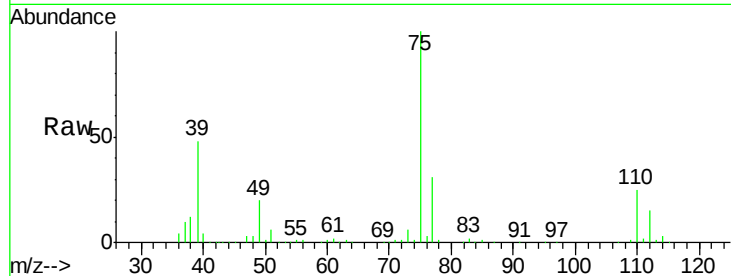
SS050MW113-190430MSD

Tot Ion: 75 Resp: 141616

Ion Ratio Lower Upper

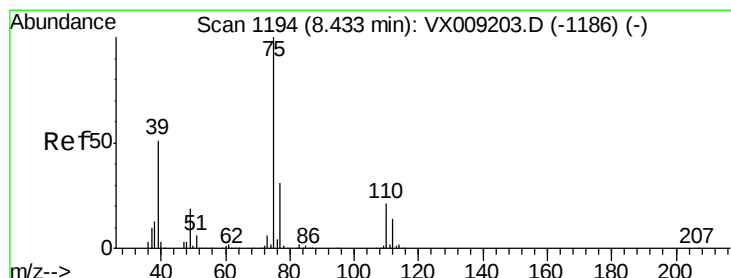
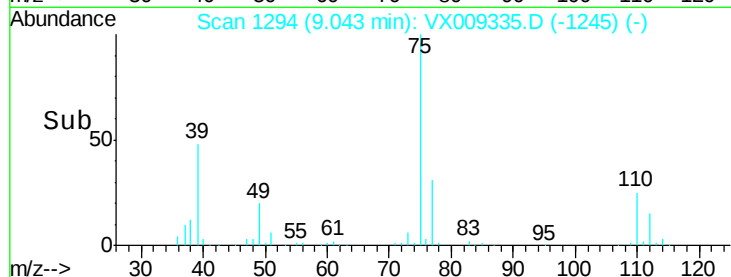
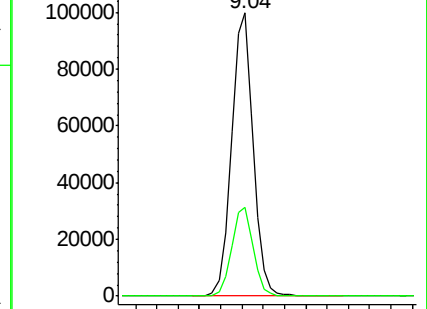
75 100

77 31.2 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 47.980 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

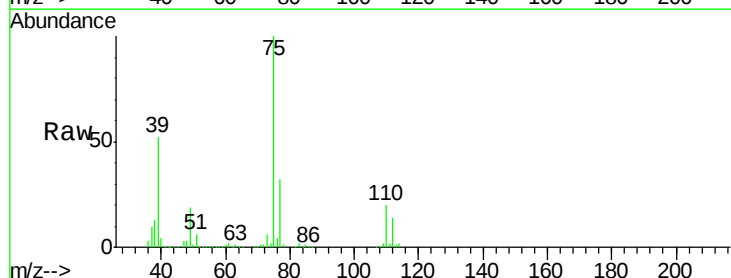
Tgt Ion: 75 Resp: 153492

Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

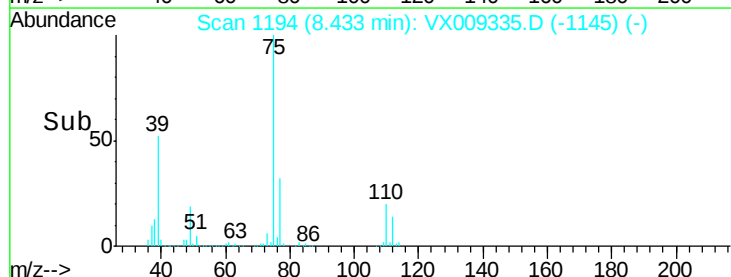
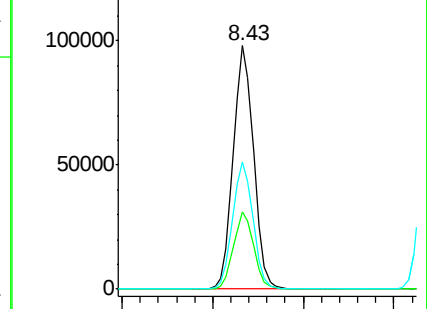
39 52.3 40.6 60.8

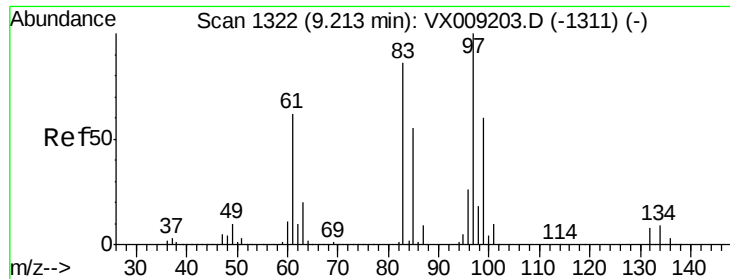


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 49.123 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

Tot Ion: 97 Resp: 95082

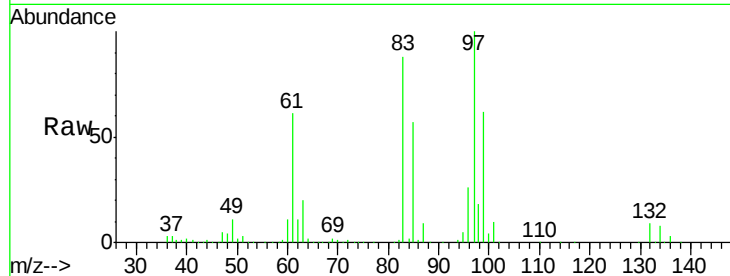
Ion Ratio Lower Upper

97 100

83 88.1 68.9 103.3

85 56.5 43.8 65.6

99 61.6 48.2 72.2

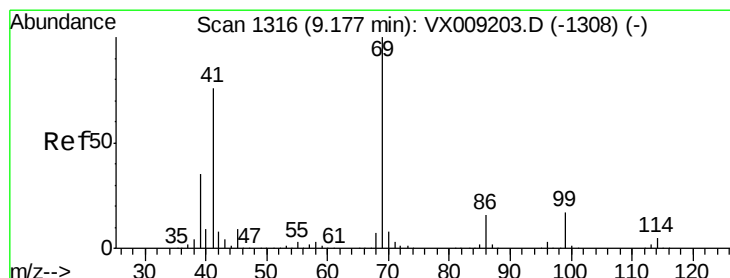
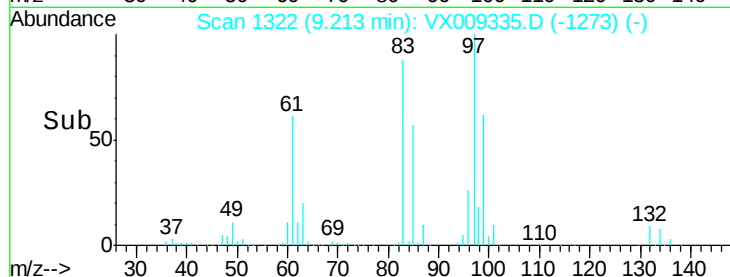
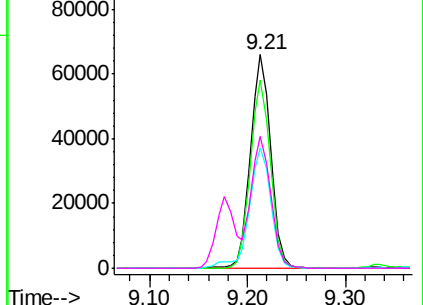


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 50.724 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

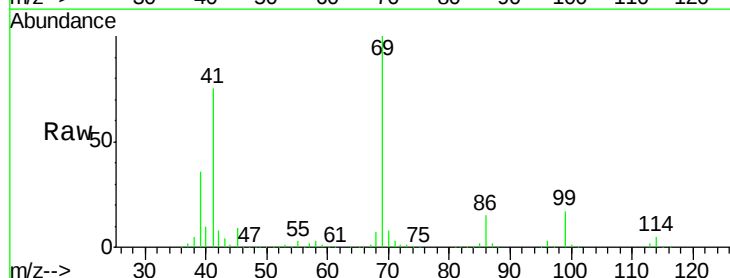
Tgt Ion: 69 Resp: 175258

Ion Ratio Lower Upper

69 100

41 76.0 60.6 90.8

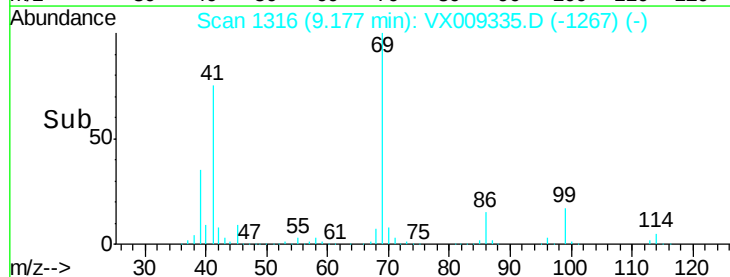
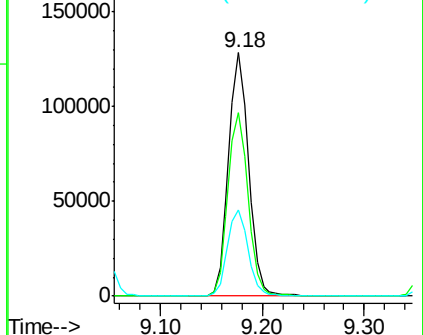
39 35.9 28.2 42.4

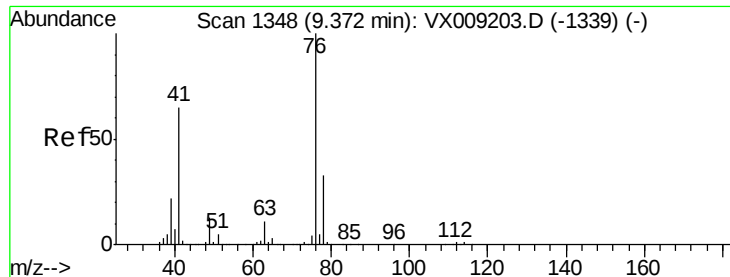


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 48.598 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

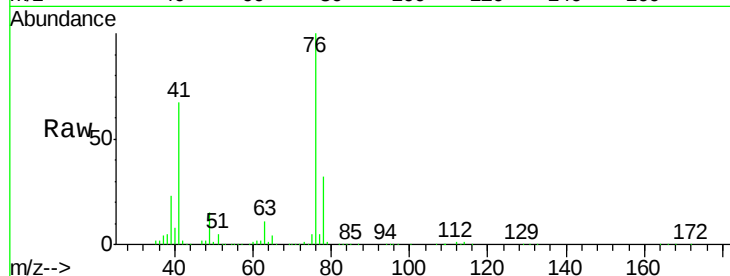
SS050MW113-190430MSD

Tot Ion: 76 Resp: 165531

Ion Ratio Lower Upper

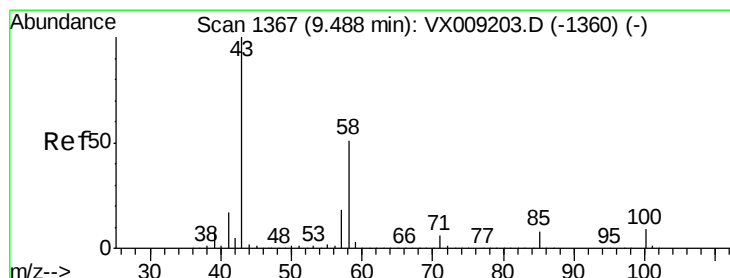
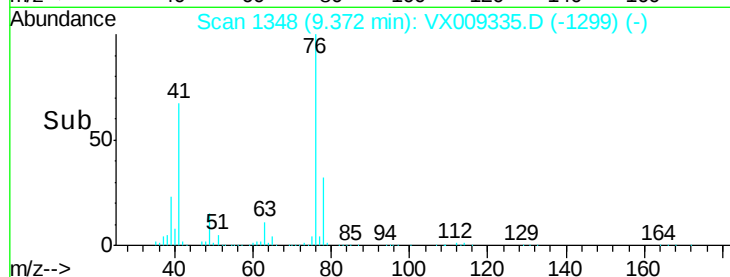
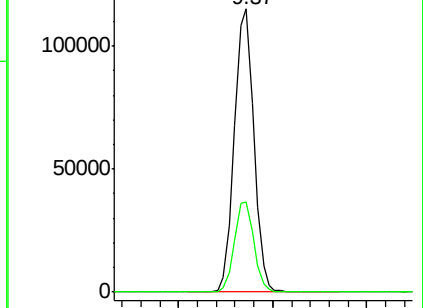
76 100

78 32.1 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 276.724 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VX009335.D

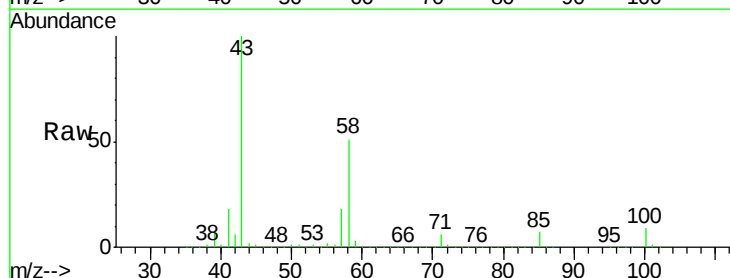
Acq: 04 May 2019 01:13

Tgt Ion: 43 Resp: 798417

Ion Ratio Lower Upper

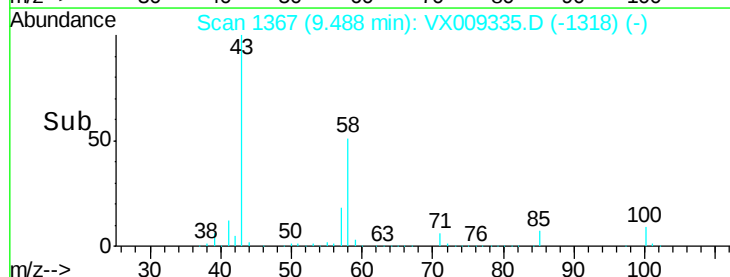
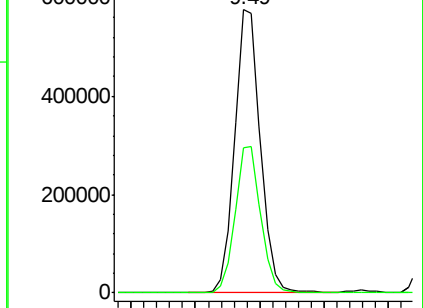
43 100

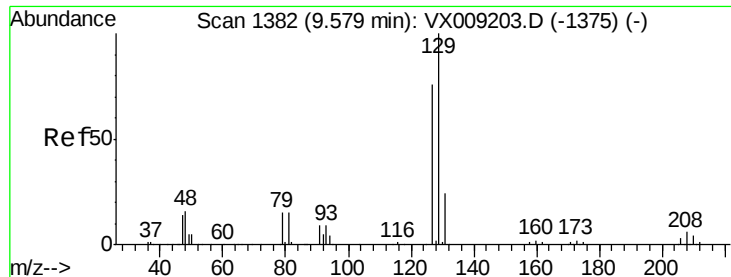
58 51.5 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

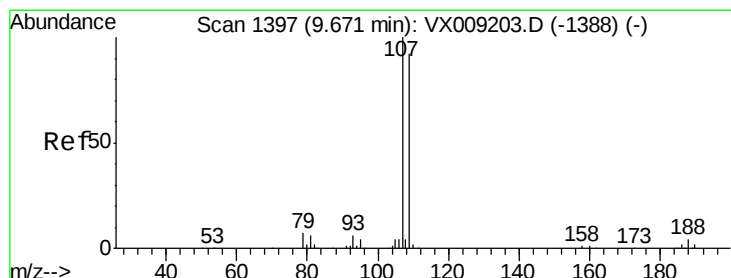
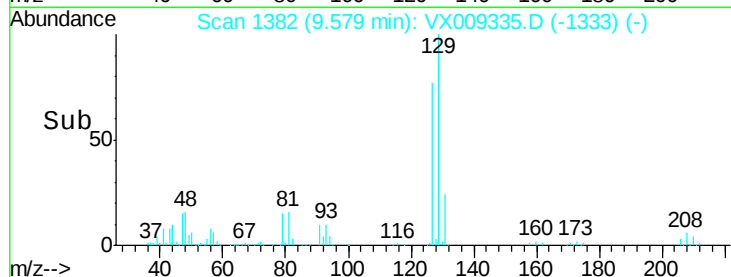
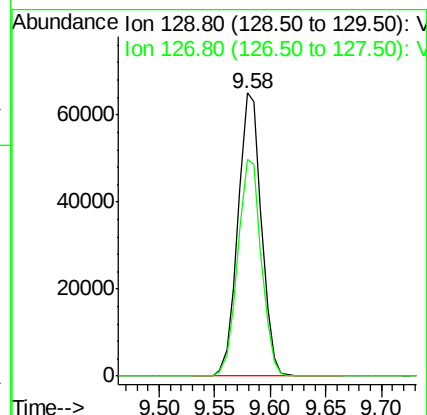
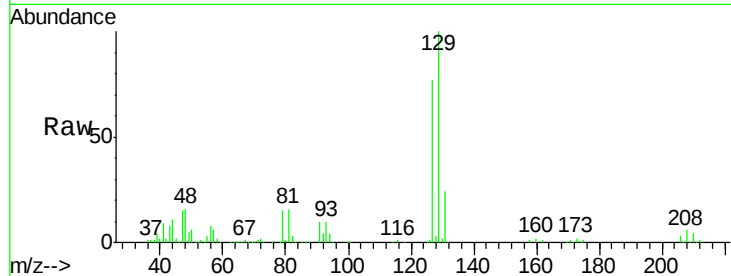




#60
 Dibromochloromethane
 Concen: 50.046 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VX009335.D
 Acq: 04 May 2019 01:13

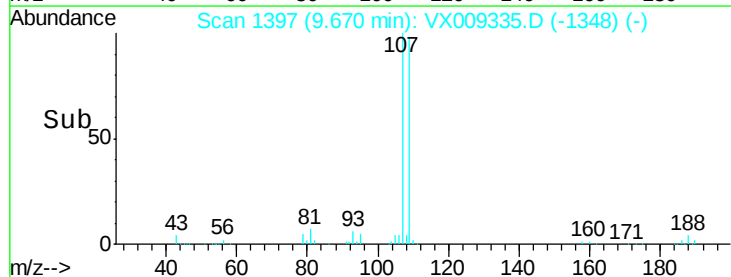
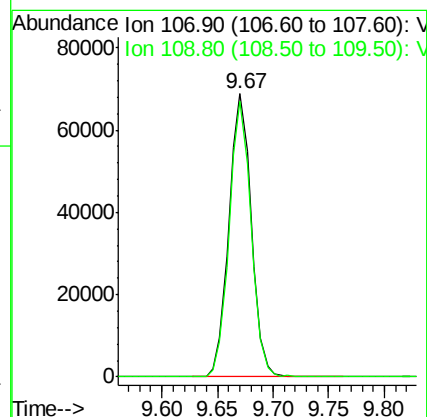
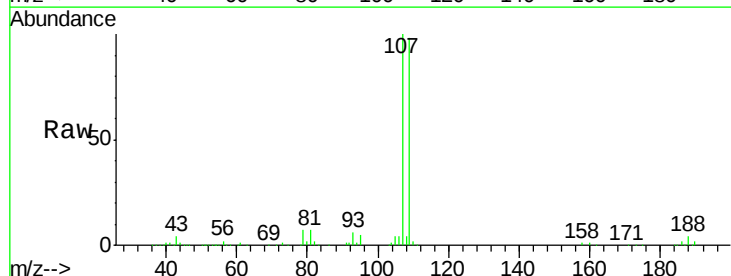
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW113-190430MSD

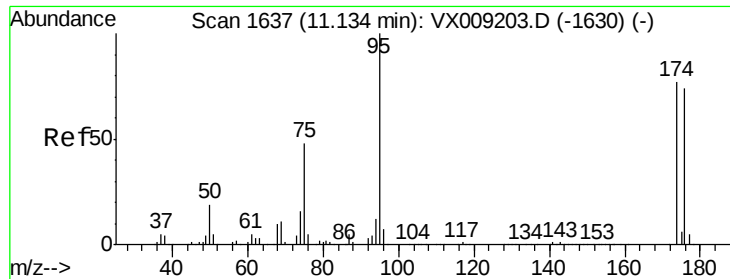
Tot Ion:129 Resp: 94610
 Ion Ratio Lower Upper
 129 100
 127 77.4 38.4 115.1



#61
 1,2-Dibromoethane
 Concen: 48.991 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009335.D
 Acq: 04 May 2019 01:13

Tgt Ion:107 Resp: 95721
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.2 112.8





#62

4-Bromofluorobenzene

Concen: 49.668 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

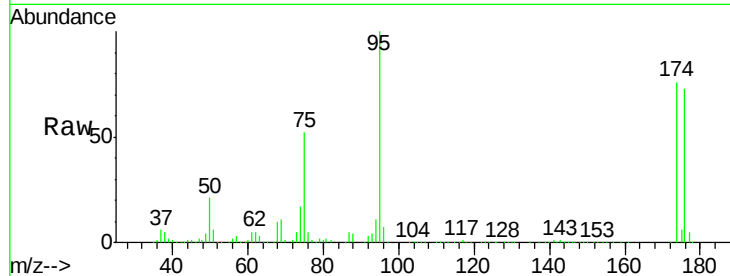
Tot Ion: 95 Resp: 124299

Ion Ratio Lower Upper

95 100

174 80.3 0.0 161.6

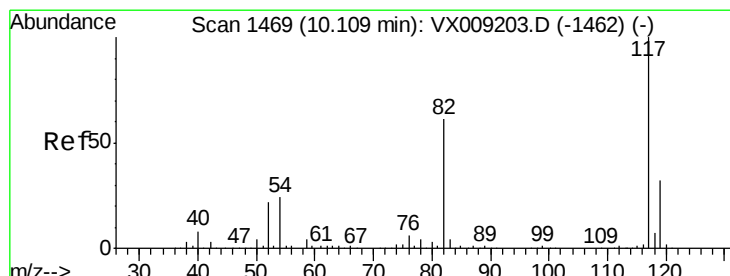
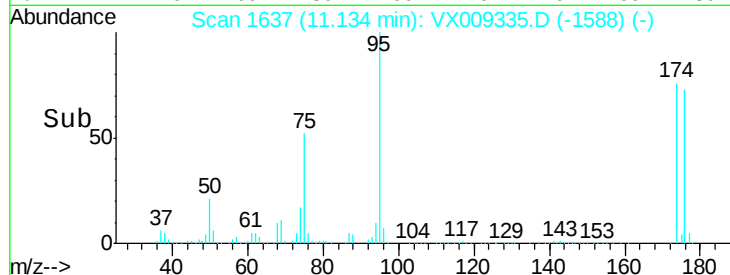
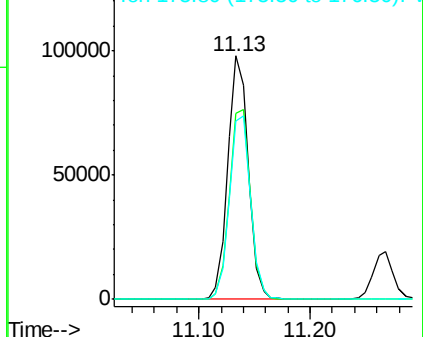
176 78.2 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009335.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009335.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009335.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

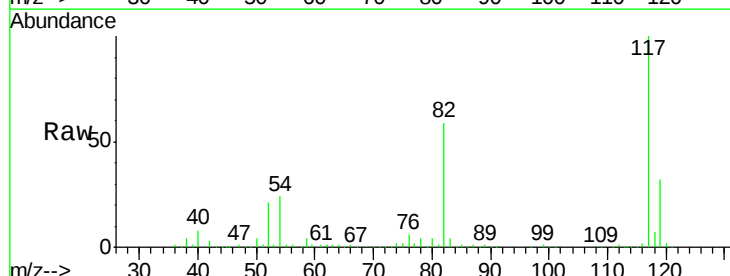
Tgt Ion: 117 Resp: 246766

Ion Ratio Lower Upper

117 100

82 58.7 48.8 73.2

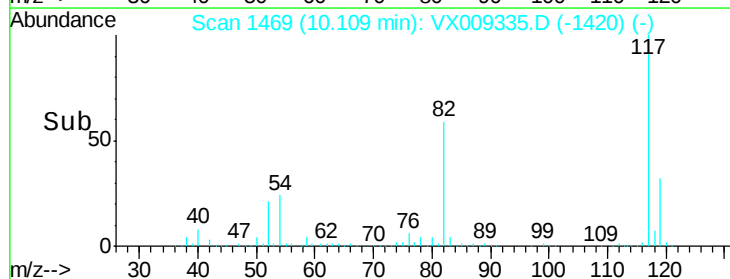
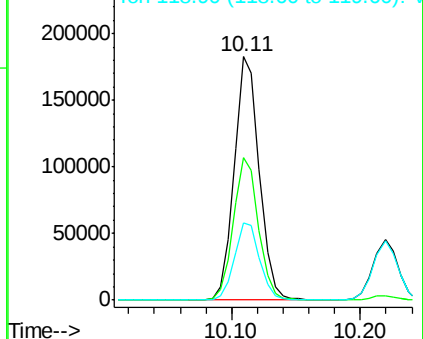
119 31.8 25.8 38.6

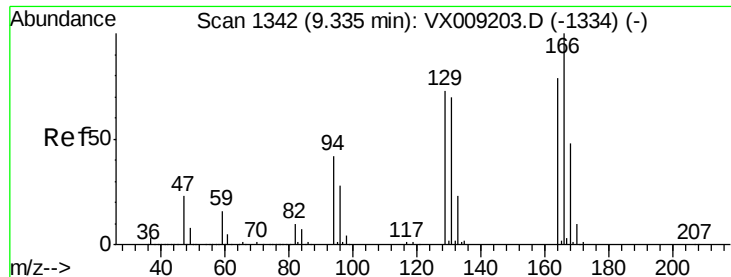


Abundance Ion 116.90 (116.60 to 117.60): VX009335.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009335.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009335.D (-1420) (-)





#64

Tetrachloroethene

Concen: 42.843 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

Tot Ion:164 Resp: 72521

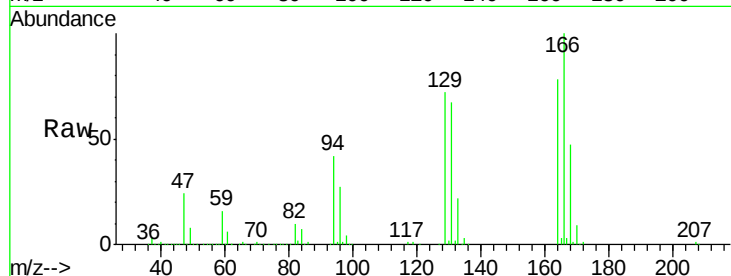
Ion Ratio Lower Upper

164 100

166 128.9 101.2 151.8

129 92.3 74.3 111.5

131 86.3 71.0 106.6

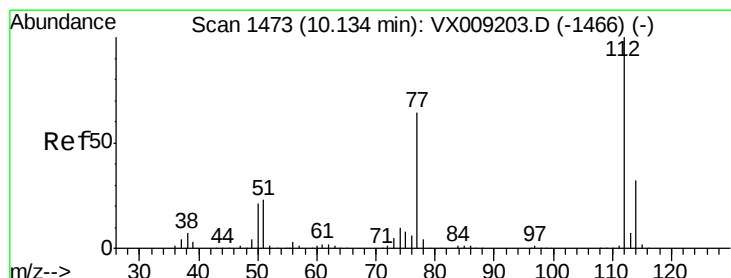
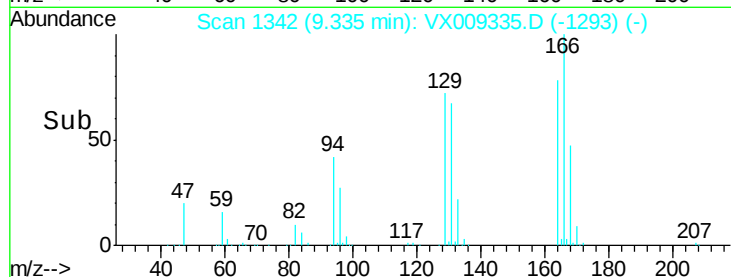
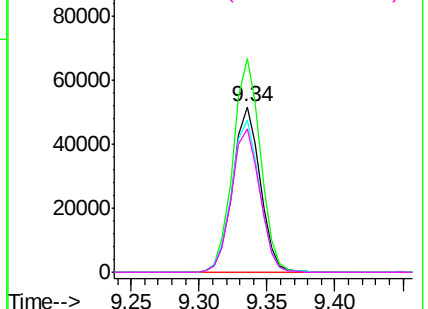


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 47.558 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009335.D

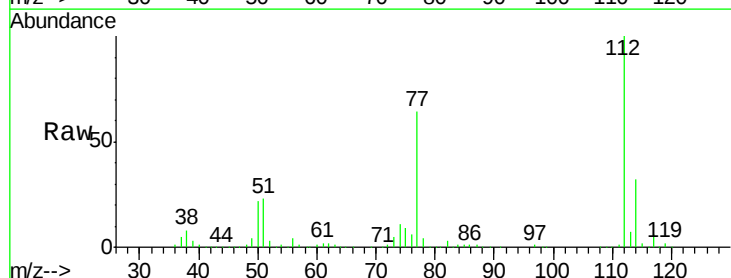
Acq: 04 May 2019 01:13

Tgt Ion:112 Resp: 234766

Ion Ratio Lower Upper

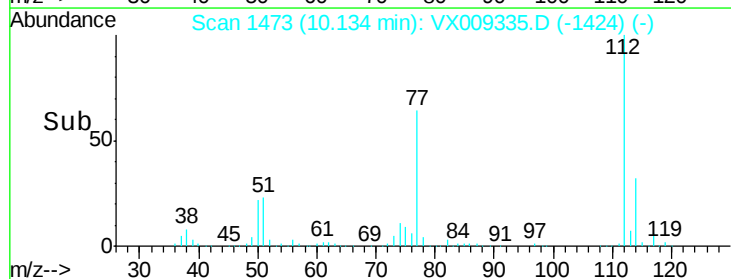
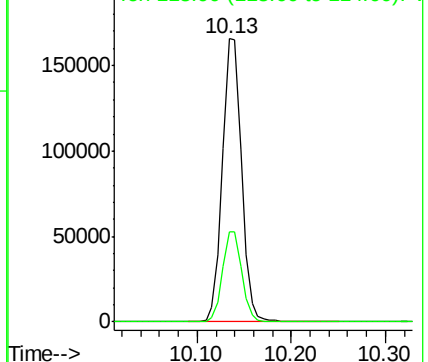
112 100

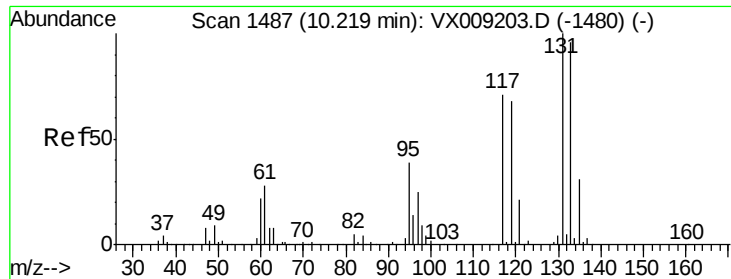
114 31.9 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

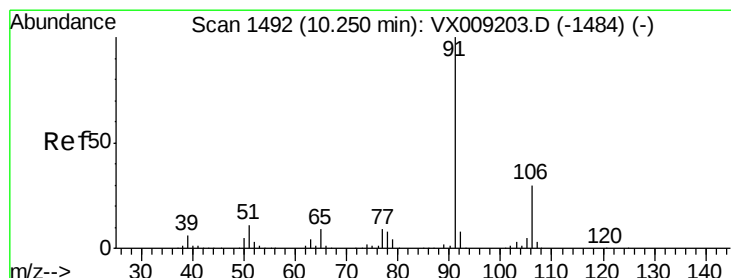
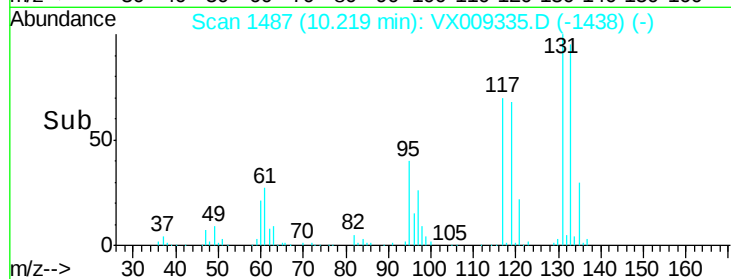
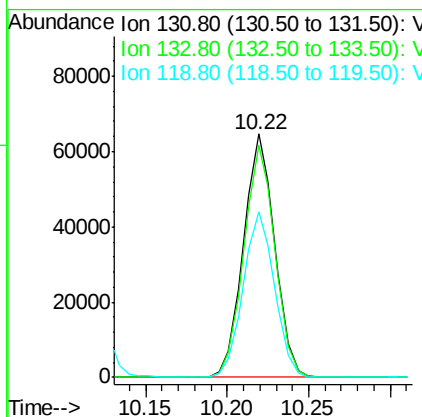
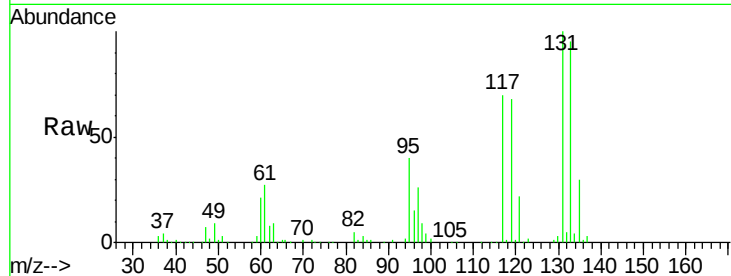




#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.169 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX009335.D
 Acq: 04 May 2019 01:13

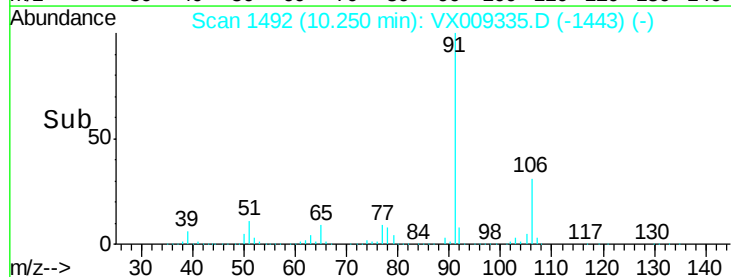
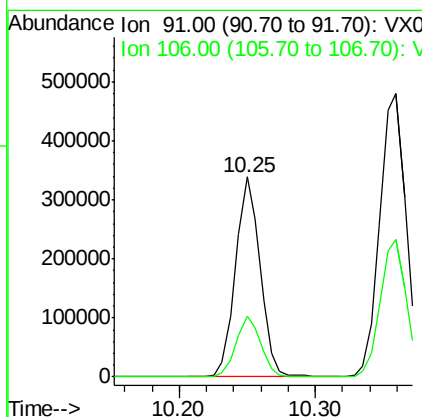
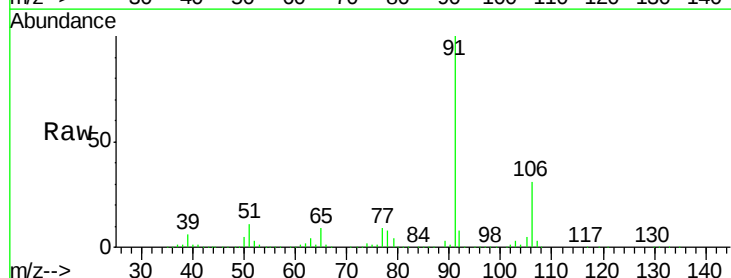
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW113-190430MSD

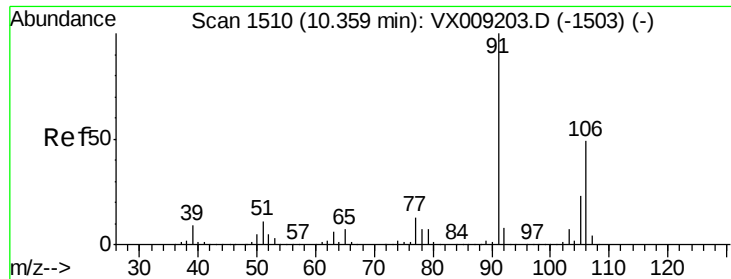
Tot Ion:131 Resp: 86206
 Ion Ratio Lower Upper
 131 100
 133 95.2 47.7 143.1
 119 68.5 33.5 100.4



#67
 Ethyl Benzene
 Concen: 47.241 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX009335.D
 Acq: 04 May 2019 01:13

Tgt Ion: 91 Resp: 429178
 Ion Ratio Lower Upper
 91 100
 106 30.7 24.0 36.0

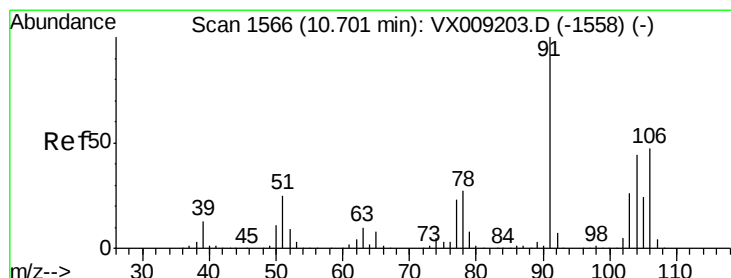
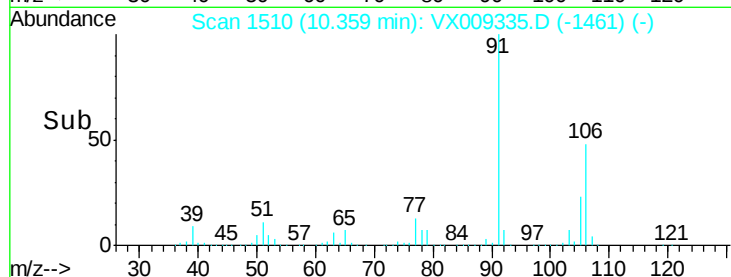
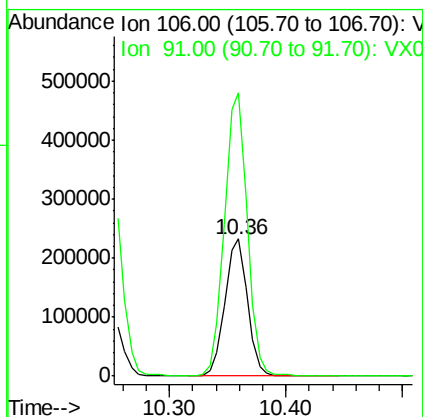
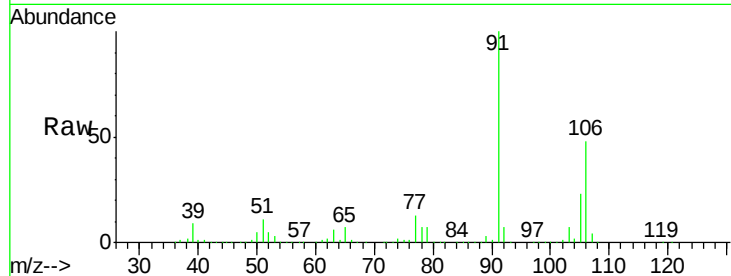




#68
m/p-Xylenes
Concen: 94.026 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

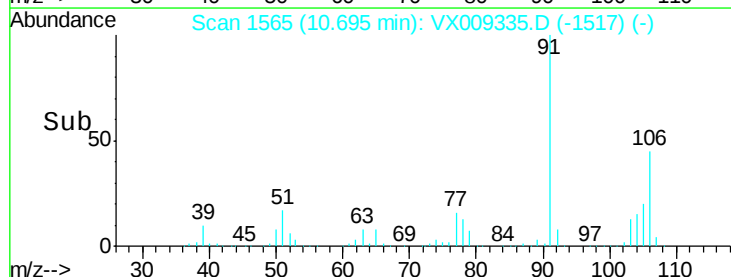
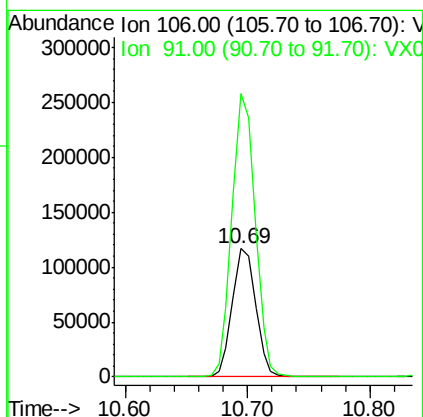
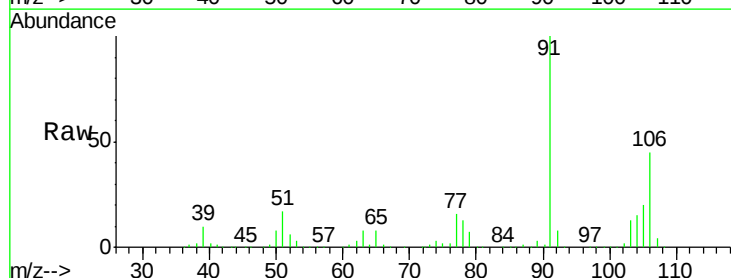
Instrument :
MSVOA_X
ClientSampleId :
SS050MW113-190430MSD

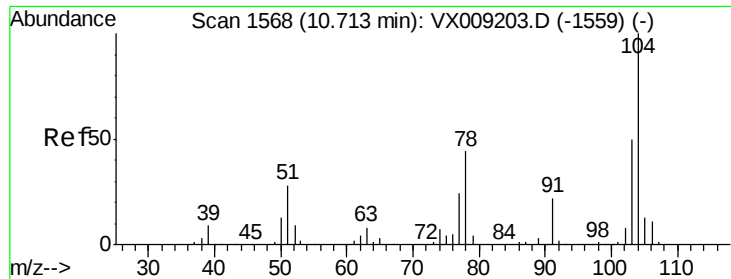
Tot Ion:106 Resp: 312158
Ion Ratio Lower Upper
106 100
91 208.4 164.0 246.0



#69
o-Xylene
Concen: 47.701 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

Tgt Ion:106 Resp: 156249
Ion Ratio Lower Upper
106 100
91 217.6 109.5 328.4





#70

Stvrene

Concen: 47.947 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

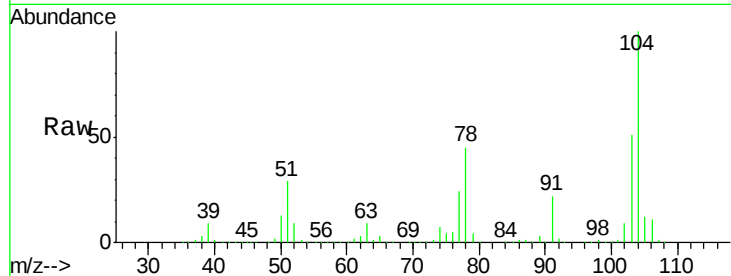
Tot Ion:104 Resp: 272971

Ion Ratio Lower Upper

104 100

78 52.1 41.0 61.4

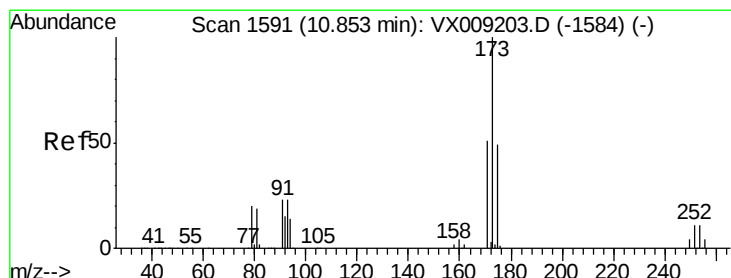
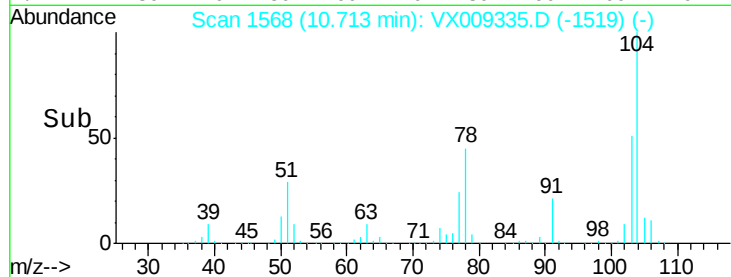
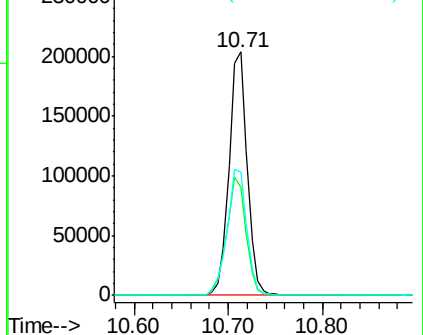
103 56.2 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 49.943 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

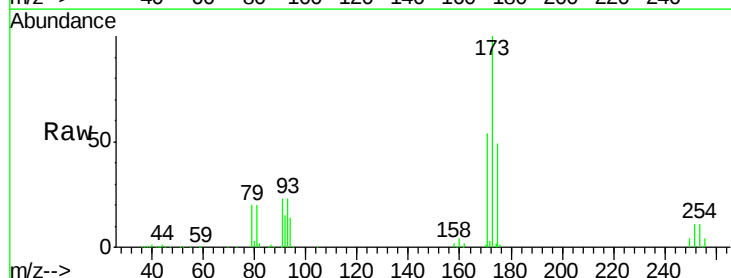
Tgt Ion:173 Resp: 72636

Ion Ratio Lower Upper

173 100

175 49.3 24.5 73.5

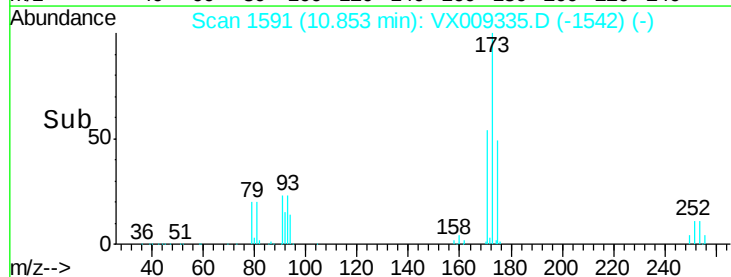
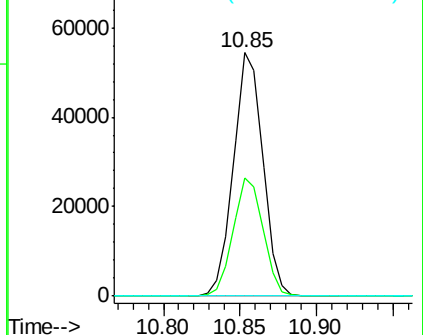
254 0.1 0.1 0.1#

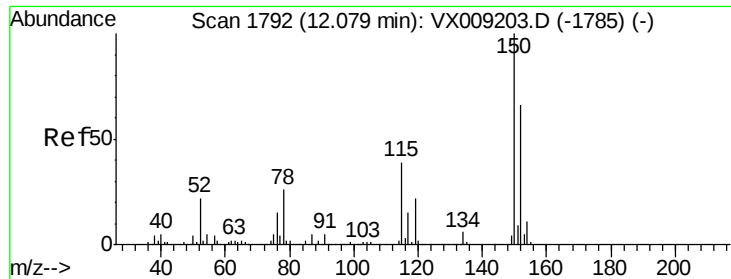


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

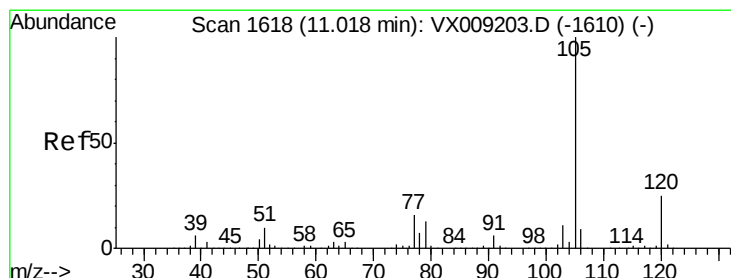
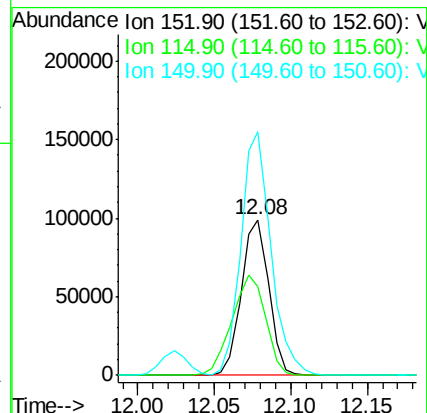
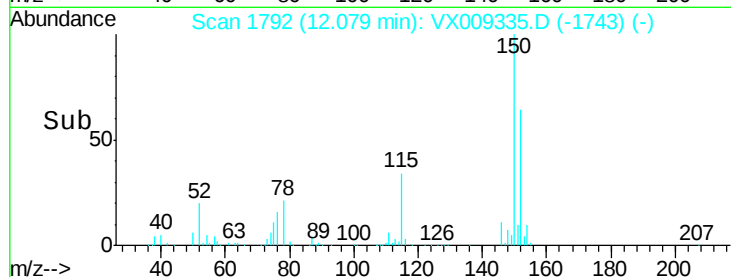
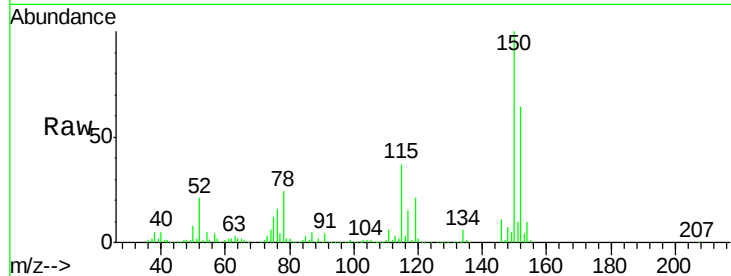
Tot Ion:152 Resp: 122512

Ion Ratio Lower Upper

152 100

115 79.3 41.2 123.6

150 171.8 0.0 346.4



#73

Isopropylbenzene

Concen: 46.028 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009335.D

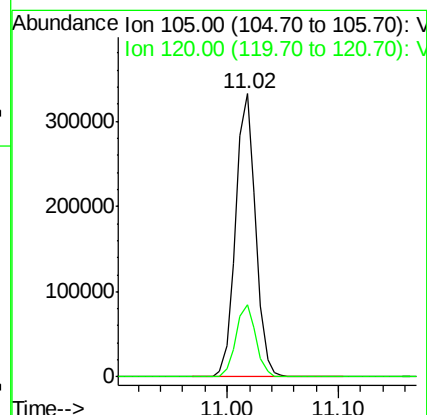
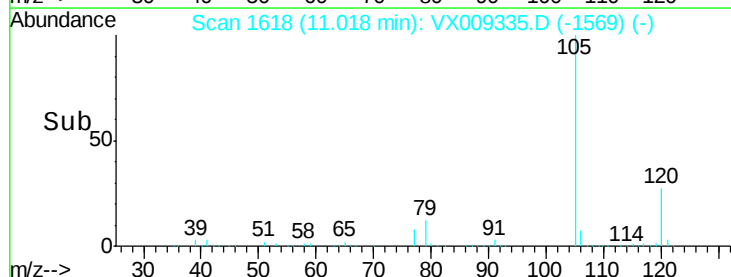
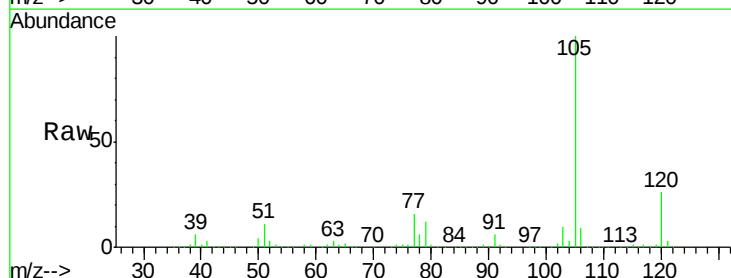
Acq: 04 May 2019 01:13

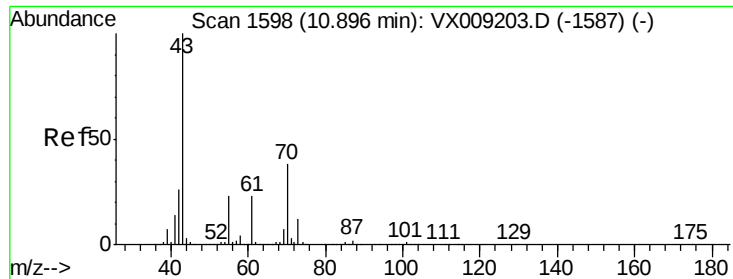
Tgt Ion:105 Resp: 410064

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.3





#74

N-amvl acetate

Concen: 51.565 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

Tot Ion: 43 Resp: 267830

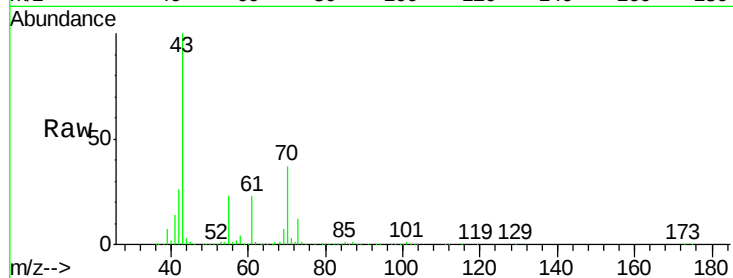
Ion Ratio Lower Upper

43 100

70 37.4 30.0 45.0

55 22.5 17.9 26.9

61 22.4 18.4 27.6

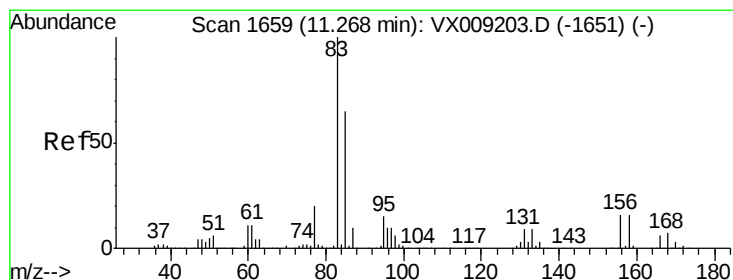
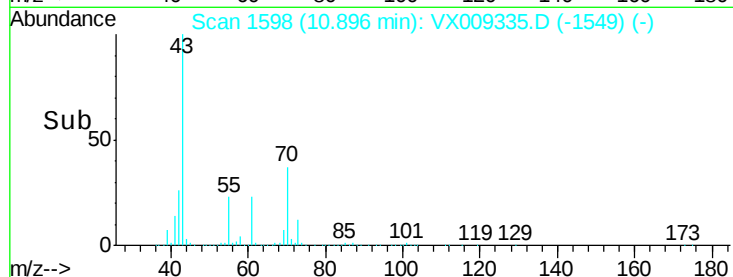
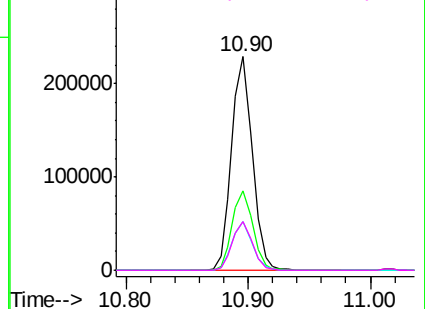


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 50.541 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

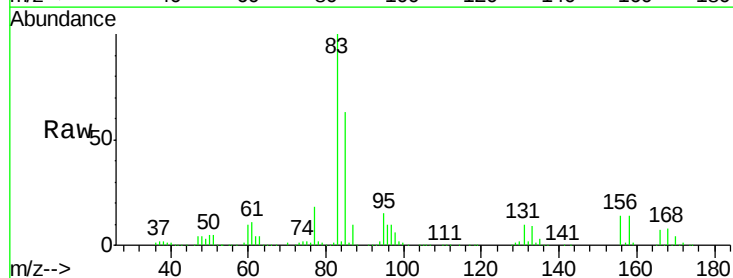
Tgt Ion: 83 Resp: 167852

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

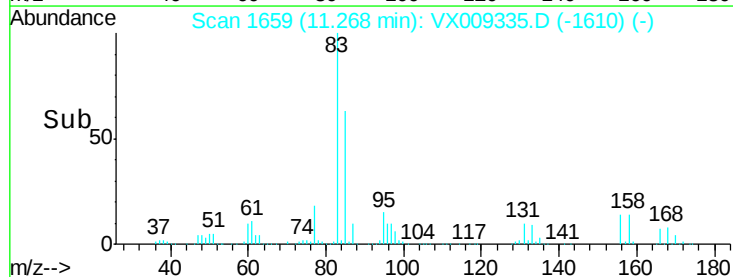
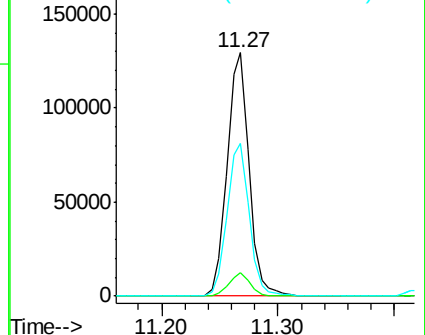
85 64.0 32.0 96.2

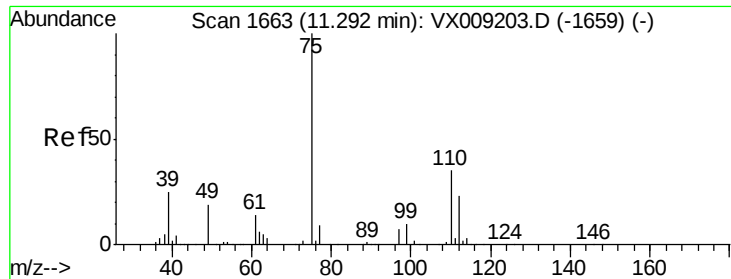


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 67.737 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

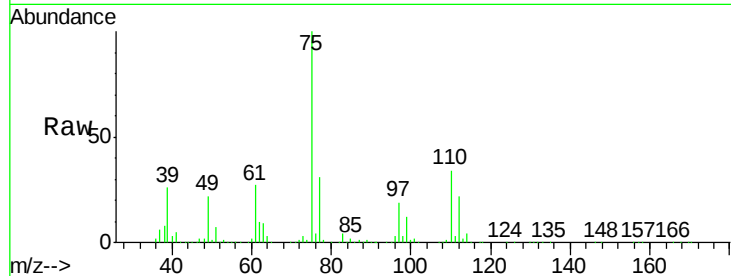
SS050MW113-190430MSD

Tot Ion: 75 Resp: 192498

Ion Ratio Lower Upper

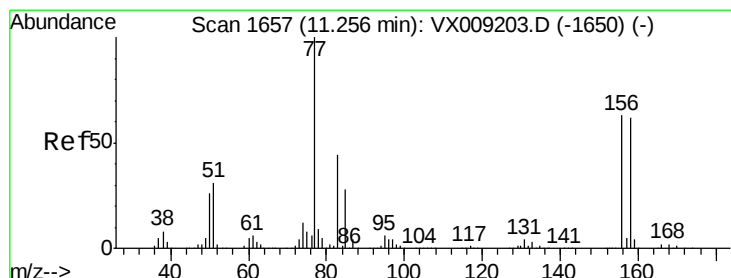
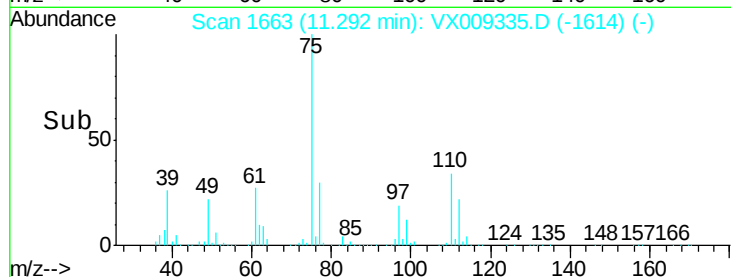
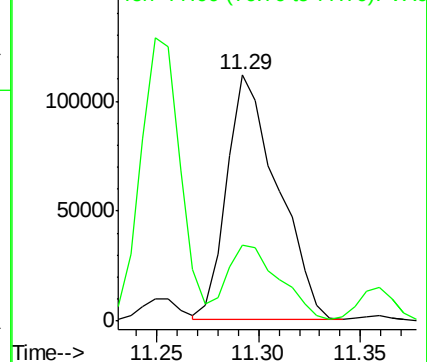
75 100

77 32.5 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 47.152 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

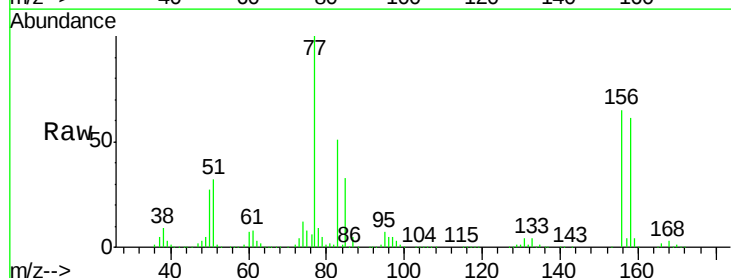
Tgt Ion: 156 Resp: 104265

Ion Ratio Lower Upper

156 100

77 166.1 84.8 254.3

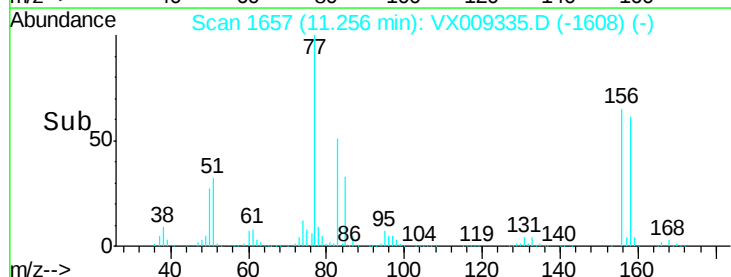
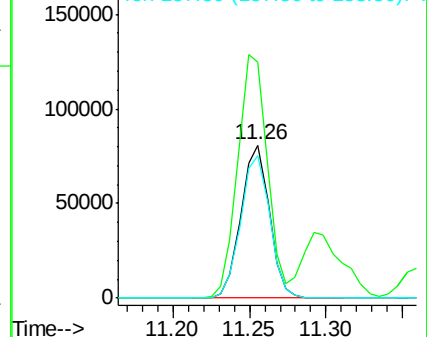
158 95.7 49.1 147.3

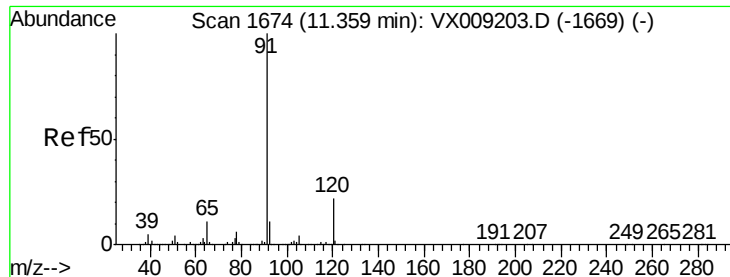


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 46.213 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

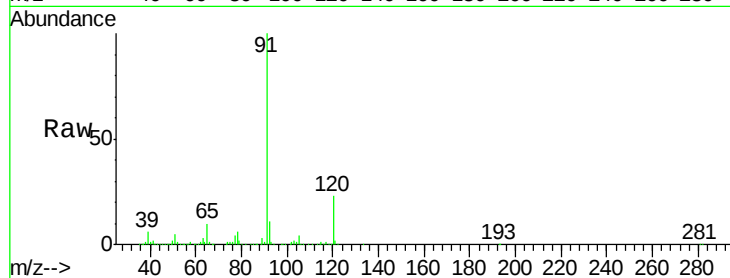
SS050MW113-190430MSD

Tot Ion: 91 Resp: 470189

Ion Ratio Lower Upper

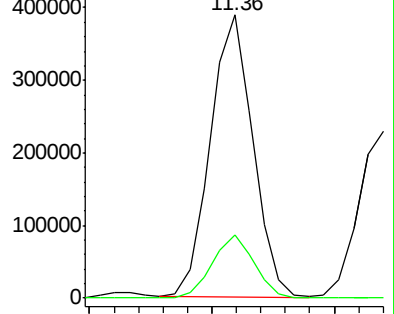
91 100

120 22.2 11.0 33.0

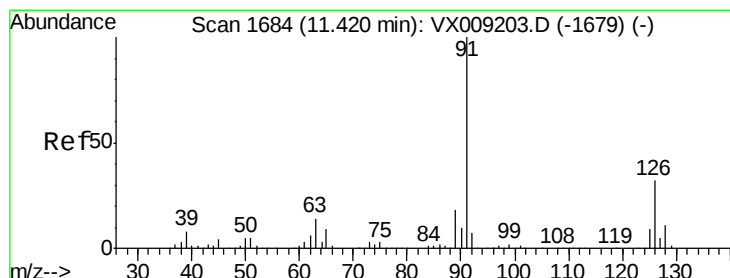
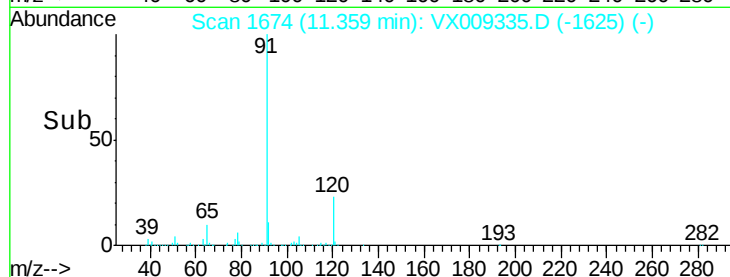


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.30 11.35 11.40



#79

2-Chlorotoluene

Concen: 45.201 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009335.D

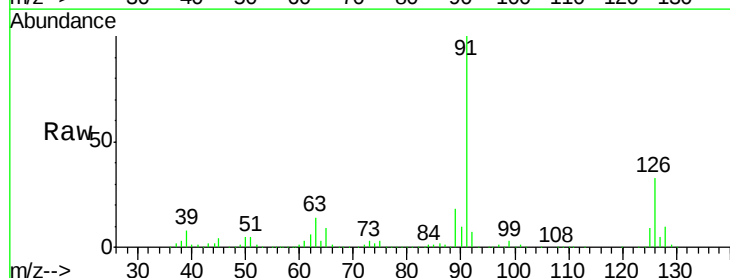
Acq: 04 May 2019 01:13

Tgt Ion: 91 Resp: 283735

Ion Ratio Lower Upper

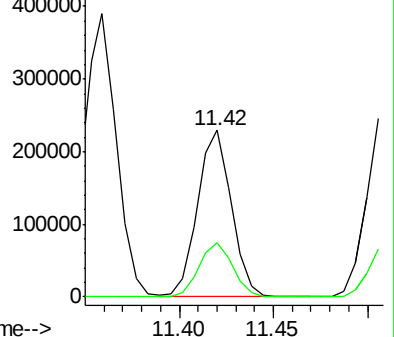
91 100

126 33.0 16.3 48.9

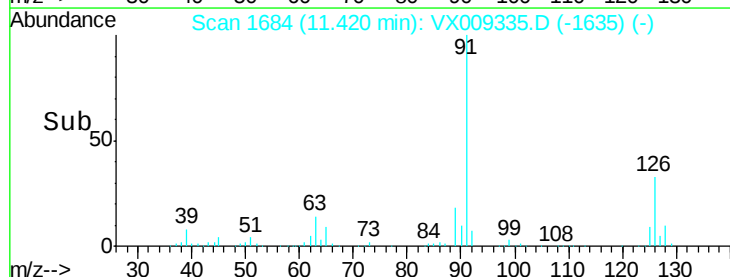


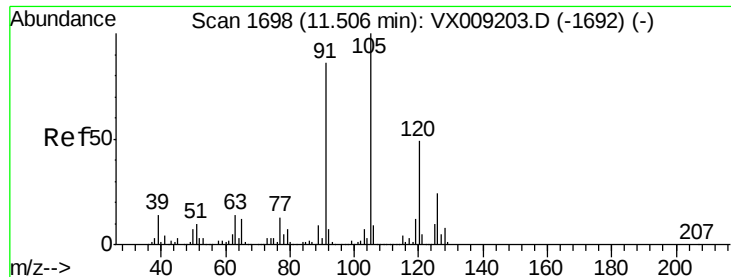
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time--> 11.40 11.45

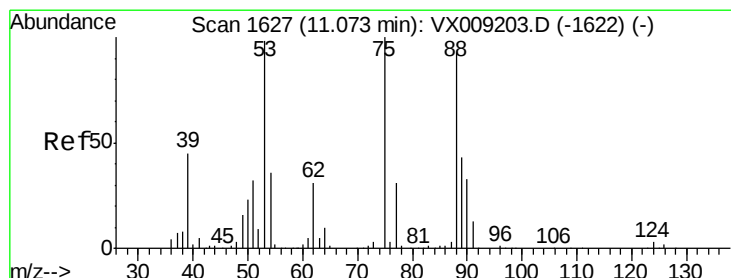
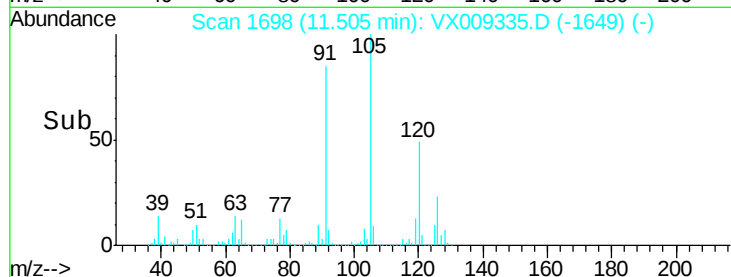
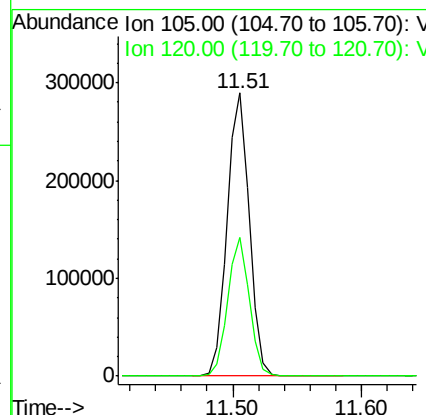
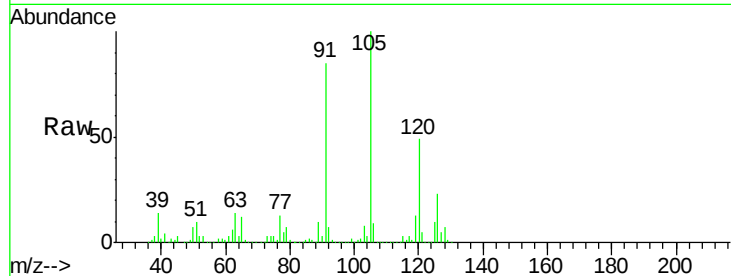




#80
 1,3,5-Trimethylbenzene
 Concen: 46.841 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009335.D
 Acq: 04 May 2019 01:13

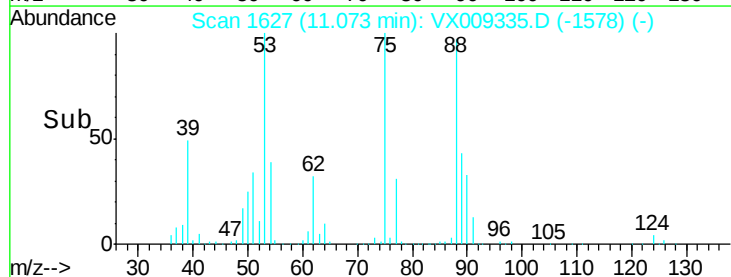
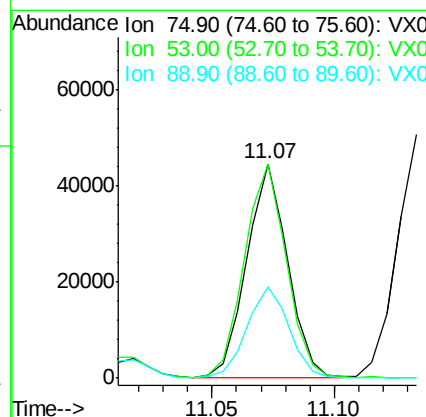
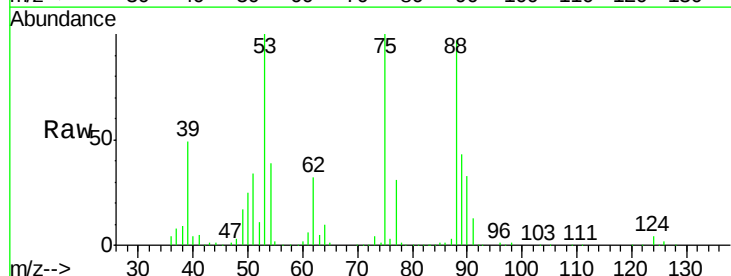
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW113-190430MSD

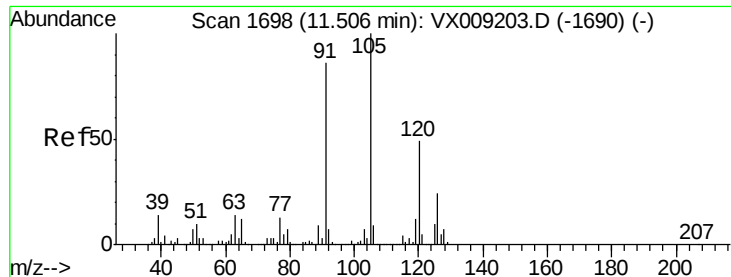
Tot Ion:105 Resp: 351369
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.287 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX009335.D
 Acq: 04 May 2019 01:13

Tgt Ion: 75 Resp: 51410
 Ion Ratio Lower Upper
 75 100
 53 102.5 79.0 118.6
 89 44.2 34.7 52.1

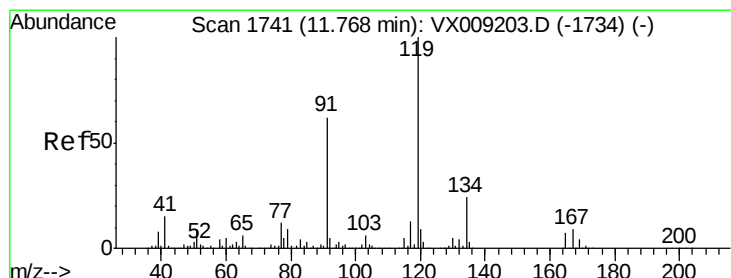
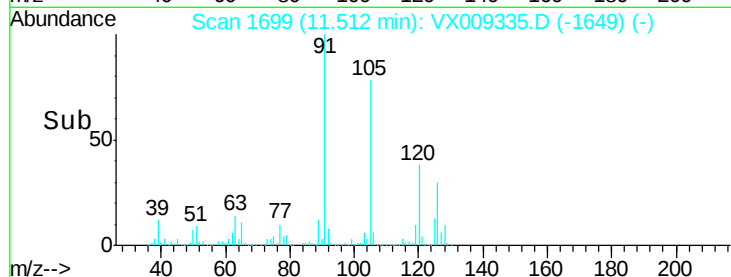
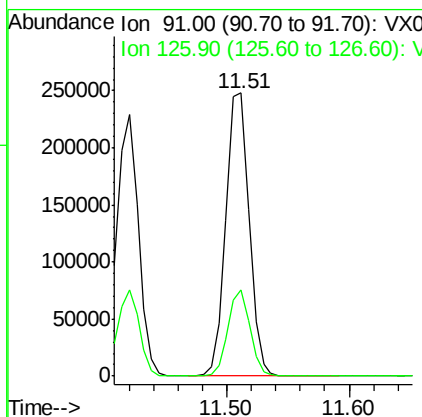
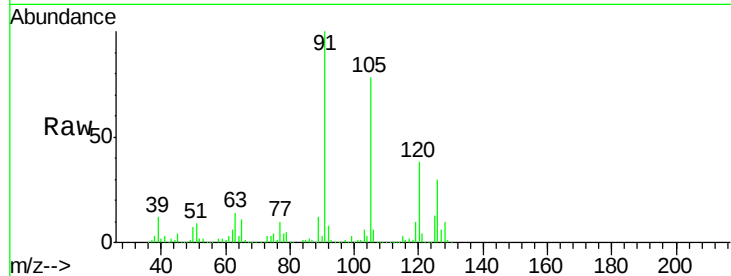




#82
4-Chlorotoluene
Concen: 46.138 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

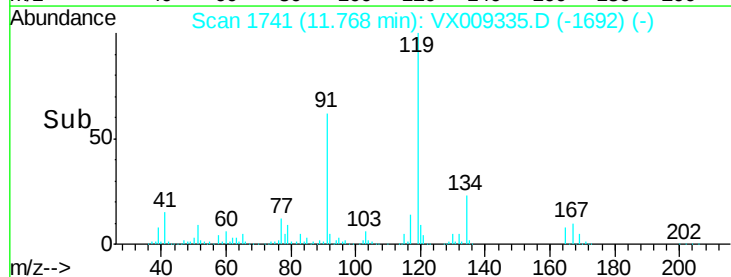
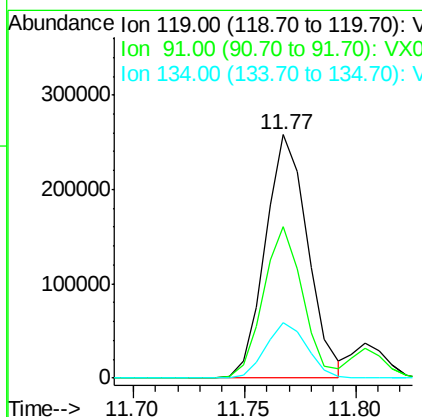
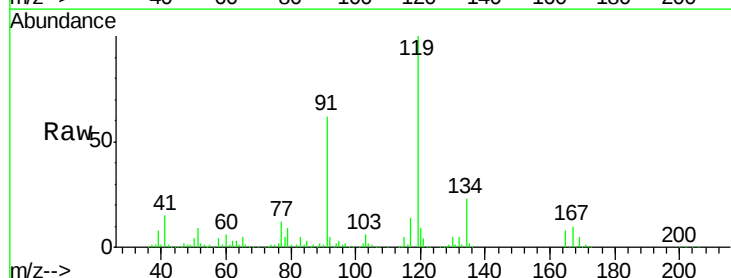
Instrument :
MSVOA_X
ClientSampleId :
SS050MW113-190430MSD

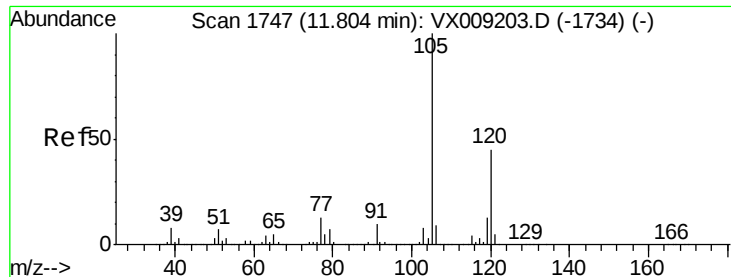
Tot Ion: 91 Resp: 327182
Ion Ratio Lower Upper
91 100
126 28.7 14.5 43.6



#83
tert-Butylbenzene
Concen: 46.825 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

Tgt Ion: 119 Resp: 341694
Ion Ratio Lower Upper
119 100
91 58.2 29.5 88.5
134 22.2 11.4 34.1

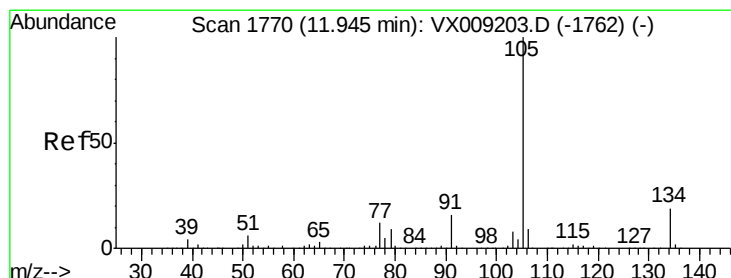
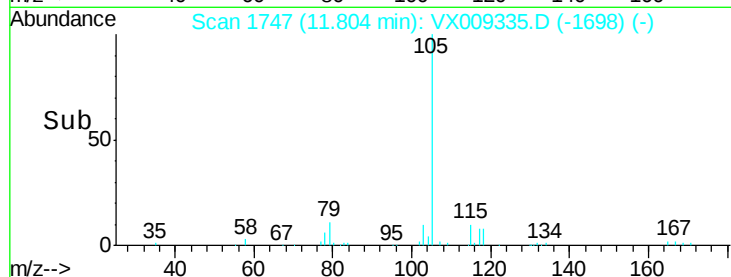
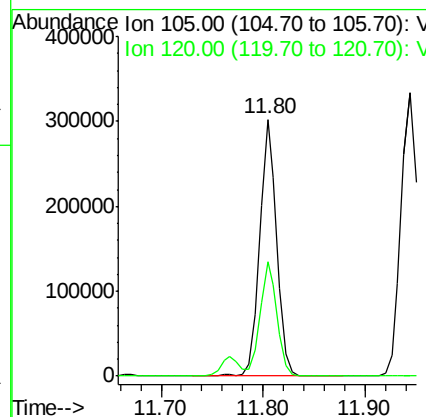
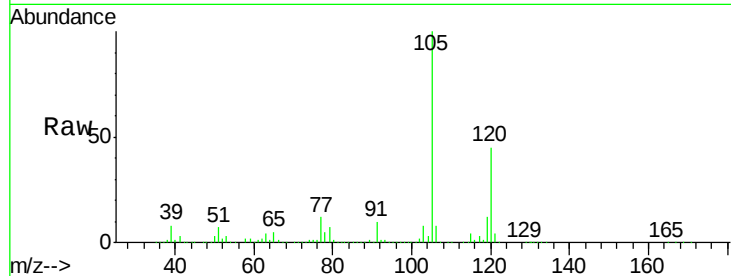




#84
 1,2,4-Trimethylbenzene
 Concen: 46.998 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009335.D
 Acq: 04 May 2019 01:13

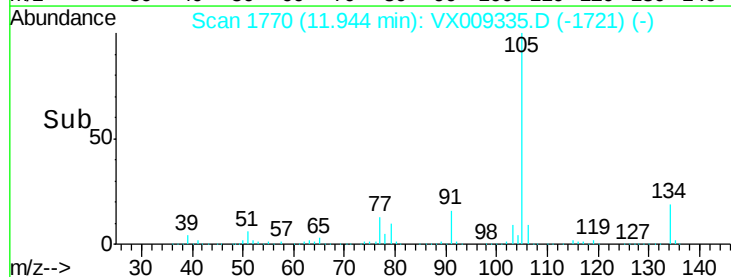
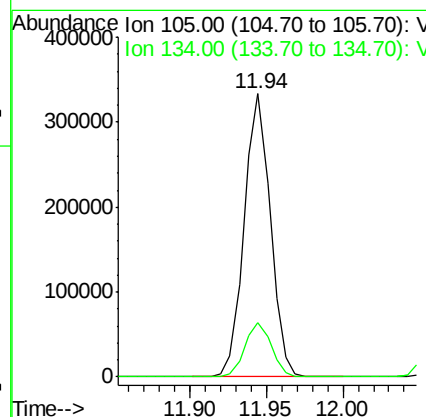
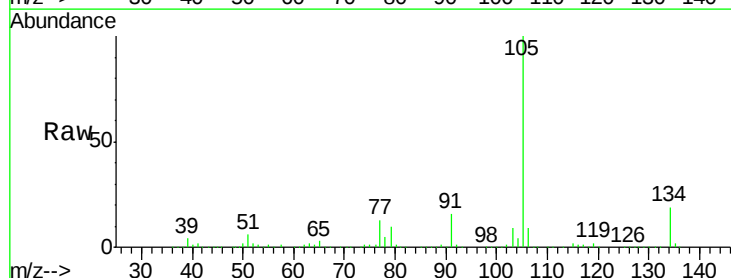
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW113-190430MSD

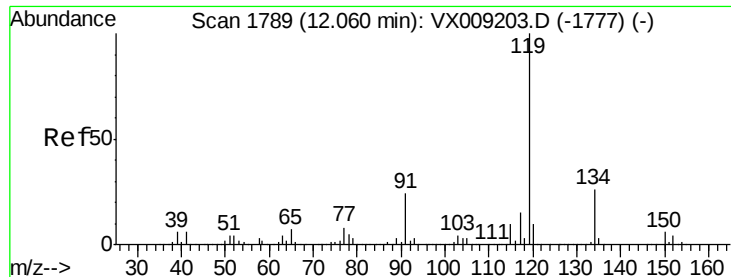
Tot Ion:105 Resp: 353872
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.0 66.0



#85
 sec-Butylbenzene
 Concen: 45.675 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009335.D
 Acq: 04 May 2019 01:13

Tgt Ion:105 Resp: 395157
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 28.9

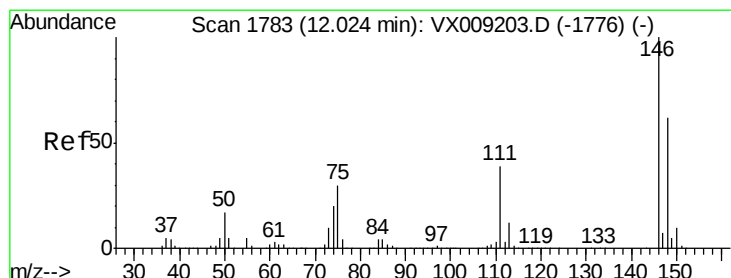
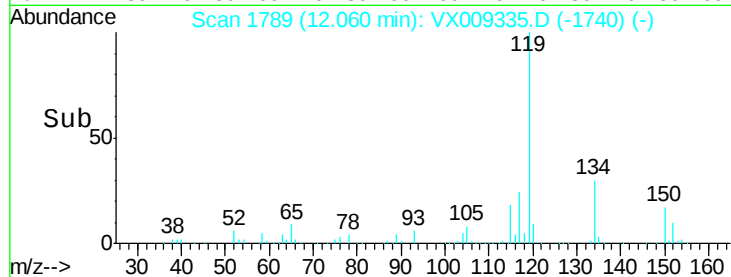
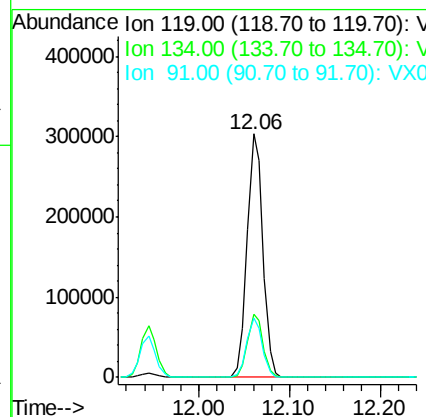
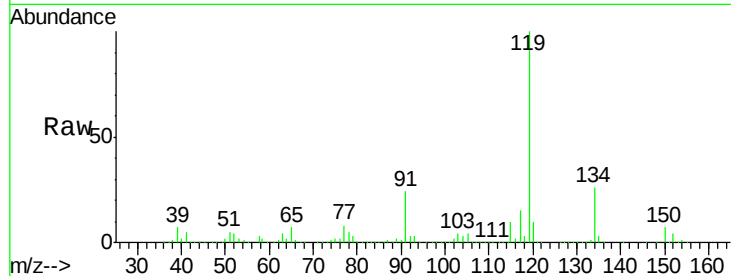




#86
p-Isopropyltoluene
Concen: 46.841 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

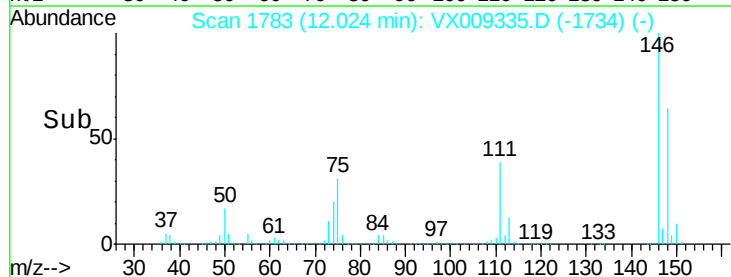
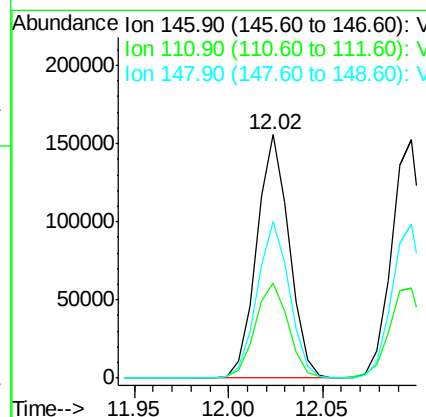
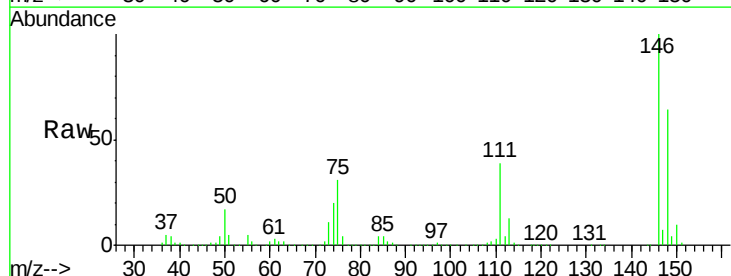
Instrument :
MSVOA_X
ClientSampleId :
SS050MW113-190430MSD

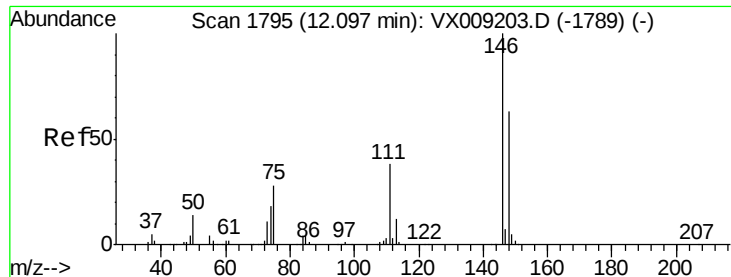
Tot Ion:119 Resp: 364309
Ion Ratio Lower Upper
119 100
134 25.7 12.9 38.7
91 24.0 11.8 35.4



#87
1,3-Dichlorobenzene
Concen: 47.038 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

Tgt Ion:146 Resp: 185422
Ion Ratio Lower Upper
146 100
111 39.9 20.0 59.9
148 64.1 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 46.980 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

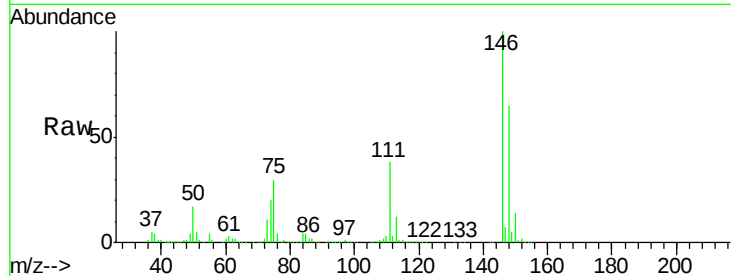
Tot Ion:146 Resp: 186707

Ion Ratio Lower Upper

146 100

111 39.5 19.6 58.8

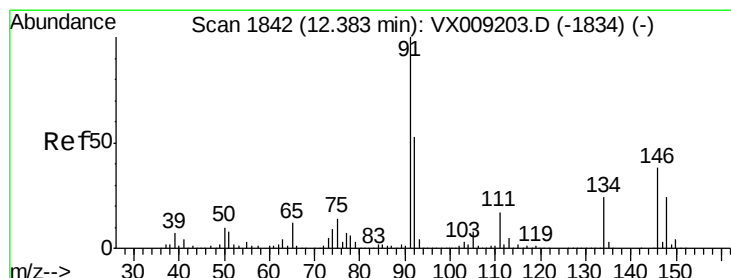
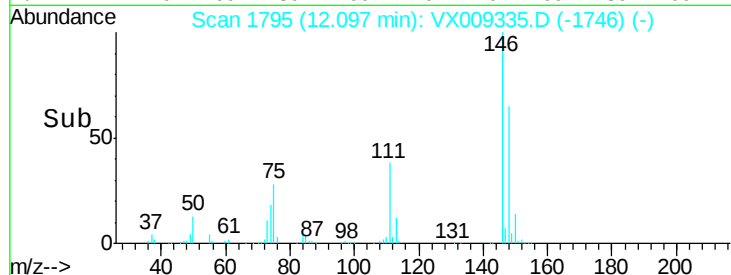
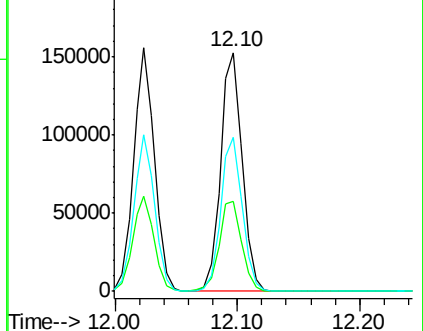
148 64.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 46.747 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

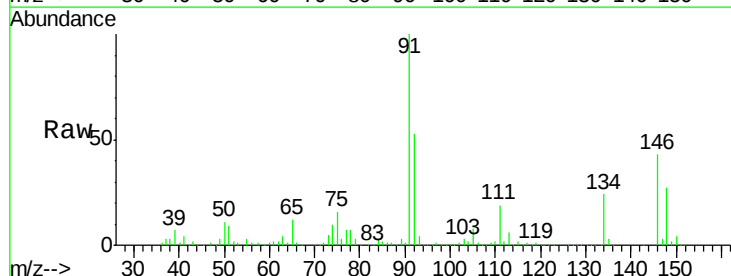
Tgt Ion: 91 Resp: 328615

Ion Ratio Lower Upper

91 100

92 52.8 26.5 79.5

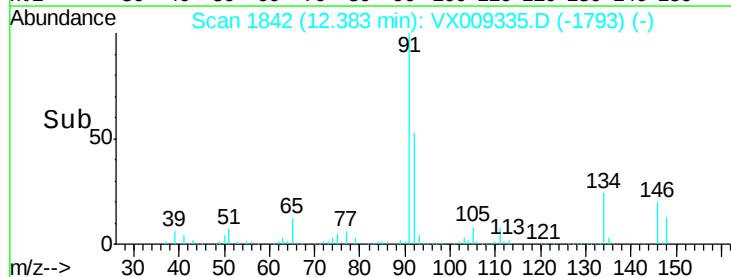
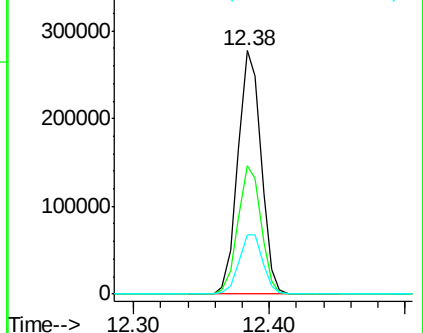
134 25.1 12.4 37.2

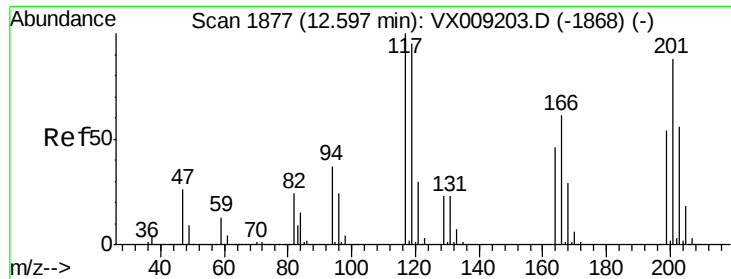


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

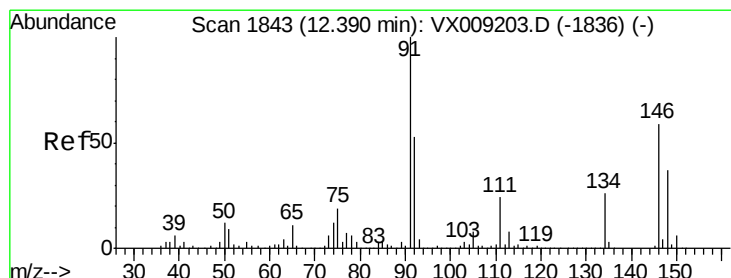
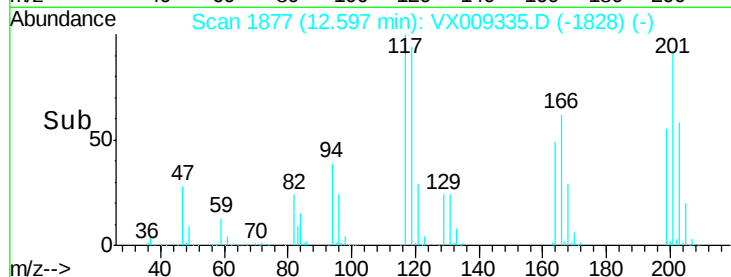
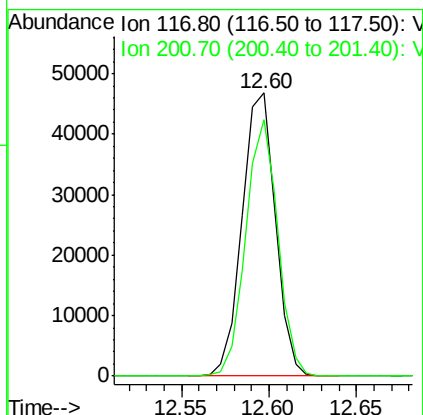
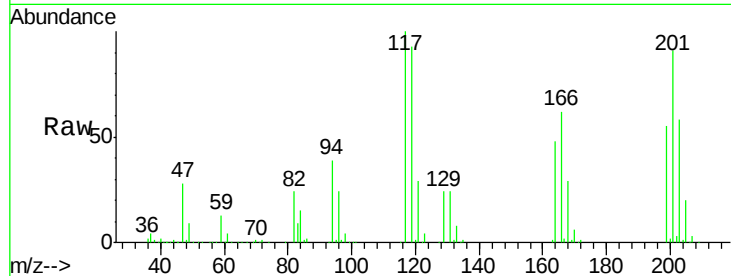




#90
Hexachloroethane
Concen: 46.790 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

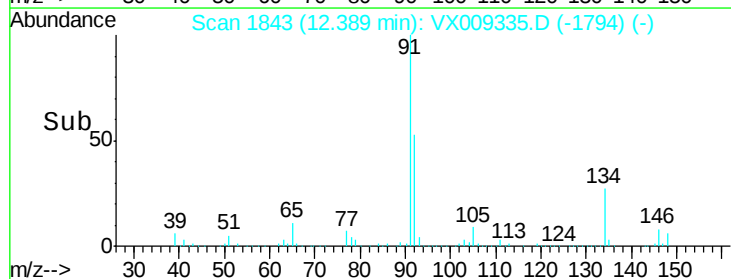
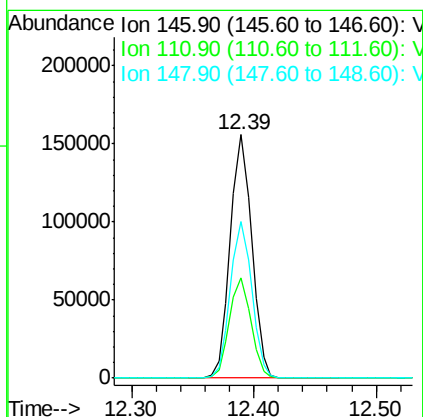
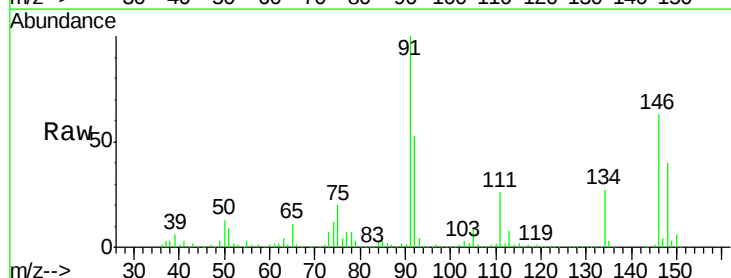
Instrument :
MSVOA_X
ClientSampleId :
SS050MW113-190430MSD

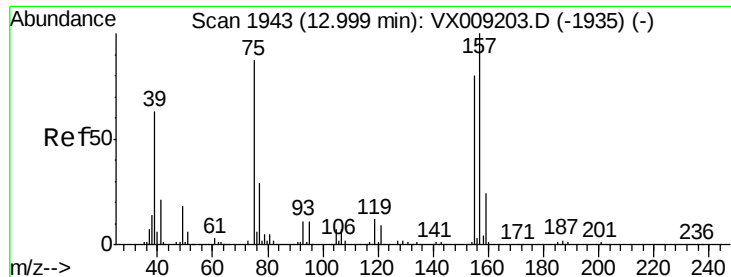
Tot Ion:117 Resp: 61999
Ion Ratio Lower Upper
117 100
201 86.7 42.3 126.9



#91
1,2-Dichlorobenzene
Concen: 47.216 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009335.D
Acq: 04 May 2019 01:13

Tgt Ion:146 Resp: 189574
Ion Ratio Lower Upper
146 100
111 41.5 20.8 62.4
148 64.3 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.576 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

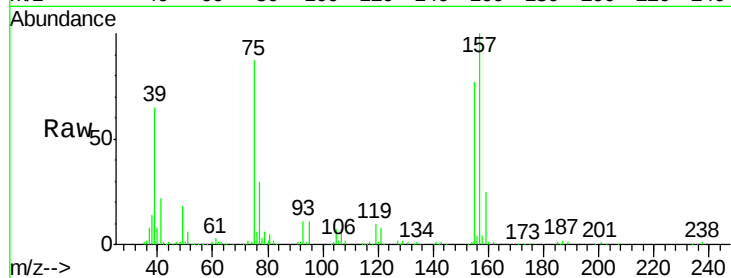
Tot Ion: 75 Resp: 39170

Ion Ratio Lower Upper

75 100

155 84.6 42.0 126.0

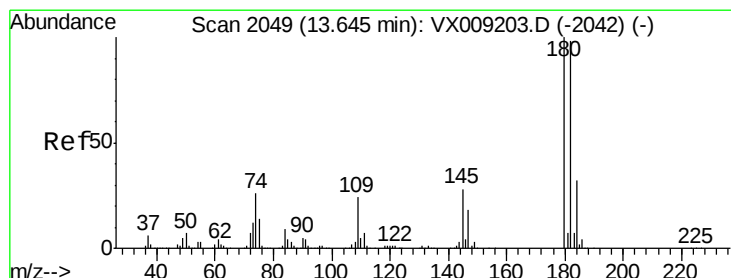
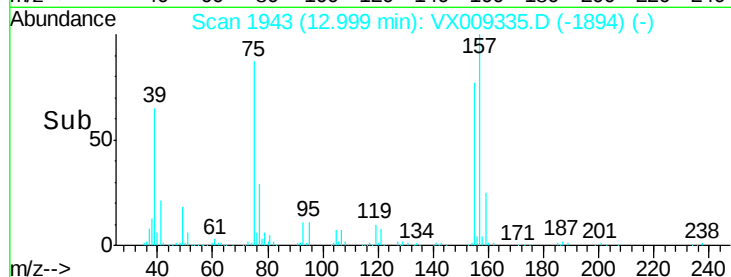
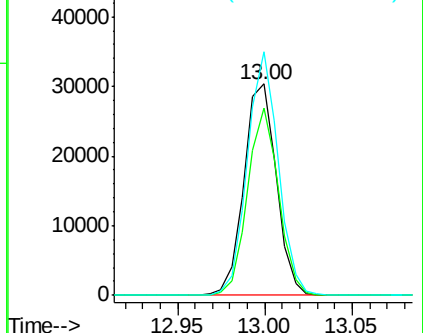
157 109.3 53.2 159.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 48.884 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

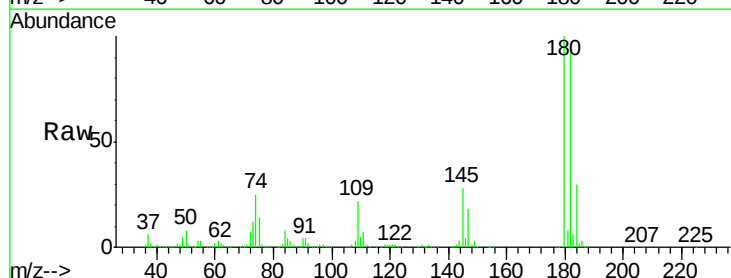
Tgt Ion:180 Resp: 134217

Ion Ratio Lower Upper

180 100

182 94.5 48.4 145.2

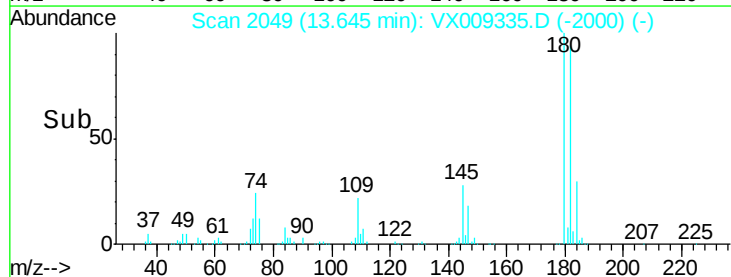
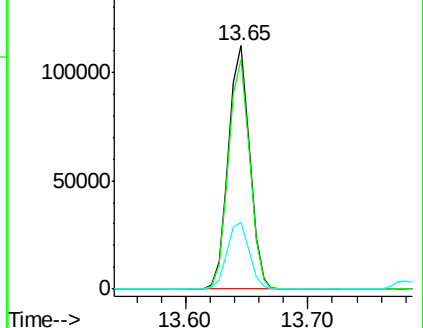
145 28.5 14.6 43.8

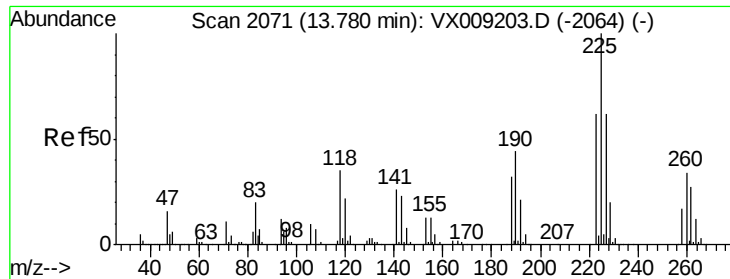


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 43.008 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-190430MSD

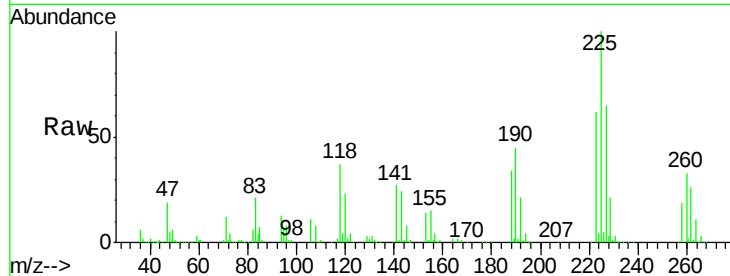
Tot Ion:225 Resp: 60301

Ion Ratio Lower Upper

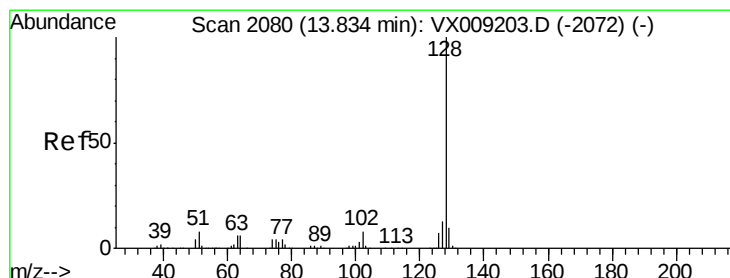
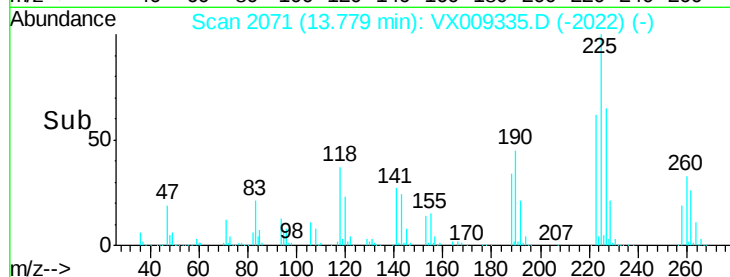
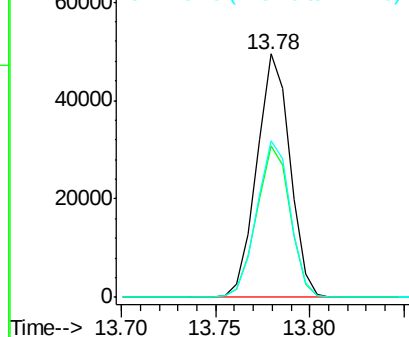
225 100

223 62.8 31.3 93.8

227 64.9 31.8 95.3



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



#95

Naphthalene

Concen: 52.738 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009335.D

Acq: 04 May 2019 01:13

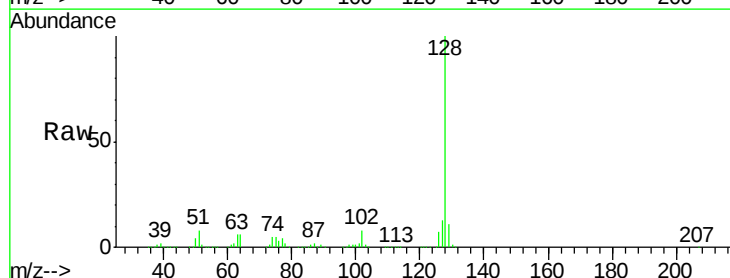
Tgt Ion:128 Resp: 471092

Ion Ratio Lower Upper

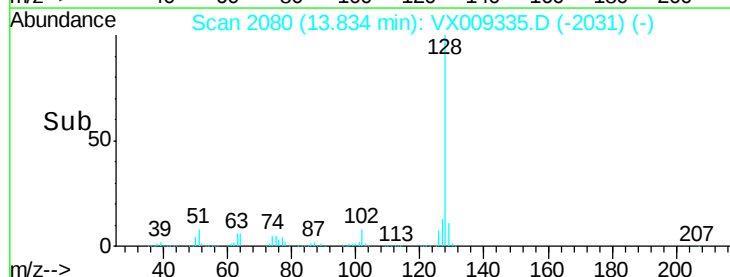
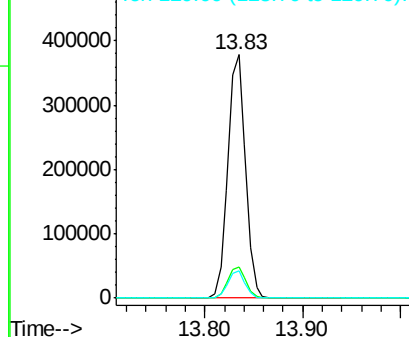
128 100

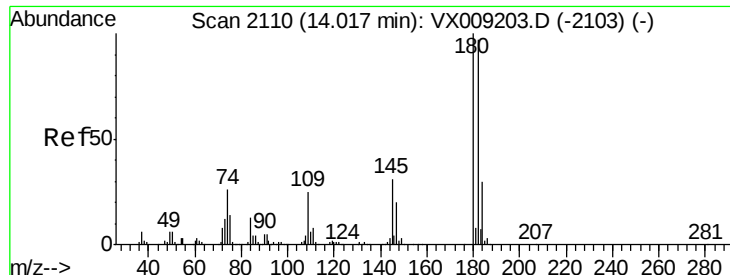
127 13.0 10.4 15.6

129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 48.311 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX009335.D
 Acq: 04 May 2019 01:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW113-190430MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.8	143.4
145	30.5	15.4	46.4

