

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050219\
 Data File : VX009297.D
 Acq On : 03 May 2019 00:40
 Operator : JC/SP
 Sample : K2659-11MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190429MSD

Quant Time: May 03 02:49:00 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	5.67	168	166142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	274370	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119612	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	115494	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
35) Dibromofluoromethane	5.50	113	85411	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	8.71	98	346076	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	125454	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	73502	48.008	ug/l	100
3) Chloromethane	1.32	50	100569	48.114	ug/l	99
4) Vinyl Chloride	1.41	62	110064	53.999	ug/l	97
5) Bromomethane	1.64	94	60201	49.209	ug/l	98
6) Chloroethane	1.71	64	65542	50.084	ug/l	99
7) Trichlorofluoromethane	1.92	101	123244	49.743	ug/l	99
8) Diethyl Ether	2.19	74	59582	50.769	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76106	48.916	ug/l	99
10) Methyl Iodide	2.51	142	86963	48.280	ug/l	99
11) Tert butyl alcohol	3.05	59	134691	256.557	ug/l	99
12) 1,1-Dichloroethene	2.37	96	77256	49.558	ug/l	94
13) Acrolein	2.29	56	103838	218.398	ug/l	99
14) Allyl chloride	2.73	41	180373	47.479	ug/l	100
15) Acrylonitrile	3.14	53	330351	257.353	ug/l	100
16) Acetone	2.45	43	281834	231.420	ug/l	99
17) Carbon Disulfide	2.57	76	209971	47.975	ug/l	99
18) Methyl Acetate	2.78	43	138959	47.978	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	310560	51.302	ug/l	99
20) Methylene Chloride	2.85	84	95450	48.406	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	84944	50.244	ug/l	99
22) Diisopropyl ether	3.85	45	373793	51.163	ug/l	97
23) Vinyl Acetate	3.81	43	1569481	250.869	ug/l	100
24) 1,1-Dichloroethane	3.70	63	180496	50.080	ug/l	100
25) 2-Butanone	4.67	43	487121	257.396	ug/l	99
26) 2,2-Dichloropropane	4.59	77	91635	34.158	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	101749	50.422	ug/l	97
28) Bromochloromethane	5.01	49	76360	52.784	ug/l	99
29) Tetrahydrofuran	5.13	42	325867	267.584	ug/l	99
30) Chloroform	5.21	83	164817	50.562	ug/l	100
31) Cyclohexane	5.58	56	164703	49.119	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	135579	49.964	ug/l	100
36) 1,1-Dichloropropene	5.80	75	122247	47.945	ug/l	100
37) Ethyl Acetate	4.84	43	175226	49.324	ug/l	99
38) Carbon Tetrachloride	5.79	117	112109	48.393	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	145248	46.385	ug/l	98
40) Benzene	6.14	78	385961	48.911	ug/l	99
41) Methacrylonitrile	5.04	41	105422	49.851	ug/l	99
42) 1,2-Dichloroethane	6.20	62	139750	49.370	ug/l	100
43) Isopropyl Acetate	6.45	43	281829	49.596	ug/l	100
44) Trichloroethene	7.21	130	89935	47.144	ug/l	97
45) 1,2-Dichloropropane	7.51	63	111334	49.827	ug/l	98
46) Dibromomethane	7.66	93	63572	48.994	ug/l	98
47) Bromodichloromethane	7.90	83	128301	49.570	ug/l	97
48) Methyl methacrylate	7.77	41	146218	51.864	ug/l	98
49) 1,4-Dioxane	7.74	88	51709	904.419	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	959587	258.355	ug/l	100
52) Toluene	8.79	92	236945	49.397	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	141656	48.476	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	153862	47.570	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	96794	49.462	ug/l	99
56) Ethyl methacrylate	9.18	69	177901	50.927	ug/l	99
57) 1,3-Dichloropropane	9.37	76	170557	49.527	ug/l	99
59) 2-Hexanone	9.49	43	749342	256.879	ug/l	100
60) Dibromochloromethane	9.58	129	97714	51.124	ug/l	100
61) 1,2-Dibromoethane	9.67	107	98465	49.846	ug/l	99
64) Tetrachloroethene	9.34	164	79903	46.370	ug/l	98
65) Chlorobenzene	10.14	112	243077	48.371	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	89800	49.290	ug/l	99
67) Ethyl Benzene	10.25	91	447652	48.403	ug/l	100
68) m/p-Xylenes	10.36	106	325589	96.338	ug/l	98
69) o-Xylene	10.70	106	162443	48.715	ug/l	98
70) Styrene	10.71	104	283264	48.875	ug/l	99
71) Bromoform	10.85	173	73698	49.778	ug/l #	99
73) Isopropylbenzene	11.02	105	425941	48.970	ug/l	99
74) N-amyl acetate	10.90	43	252118	49.717	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	167028	51.512	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	186943	67.377	ug/l	82
77) Bromobenzene	11.26	156	106573	49.365	ug/l	99
78) n-propylbenzene	11.36	91	488568	49.183	ug/l	100
79) 2-Chlorotoluene	11.42	91	294627	48.075	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	362148	49.448	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	49529	45.674	ug/l	97
82) 4-Chlorotoluene	11.51	91	339880	49.091	ug/l	100
83) tert-Butylbenzene	11.77	119	352318	49.451	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	367625	50.009	ug/l	99
85) sec-Butylbenzene	11.94	105	410838	48.639	ug/l	100
86) p-Isopropyltoluene	12.06	119	374520	49.321	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	189207	49.162	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	189879	48.937	ug/l	99
89) n-Butylbenzene	12.39	91	336148	48.978	ug/l	100
90) Hexachloroethane	12.60	117	65219	50.413	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	194831	49.702	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38163	52.466	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	135551	50.567	ug/l	100

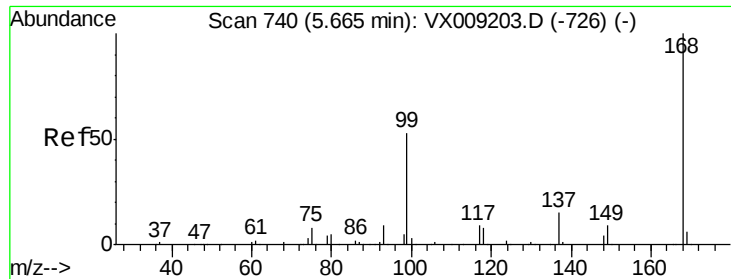
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	65176	47.612	ug/l	99
95) Naphthalene	13.83	128	451004	51.714	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	138091	50.820	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

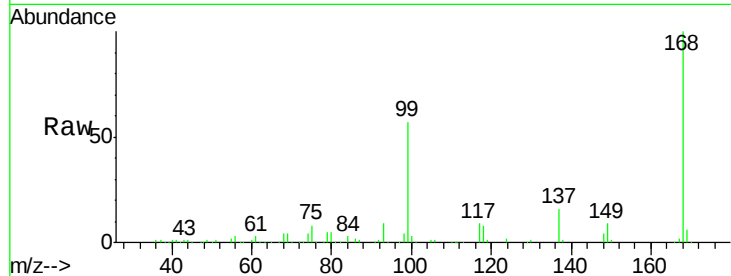
SS050MW641-190429MSD

Tot Ion:168 Resp: 166142

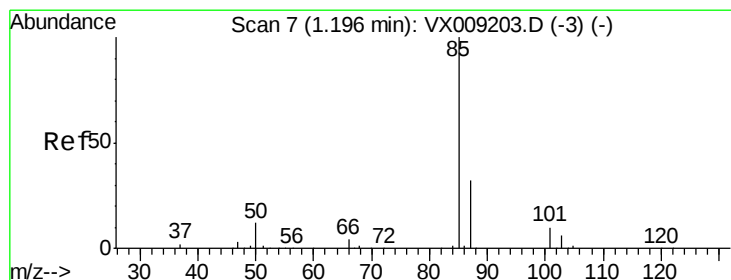
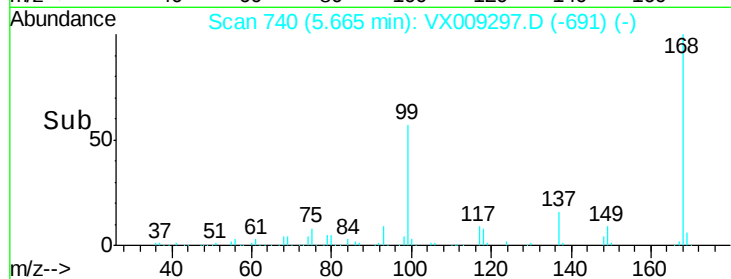
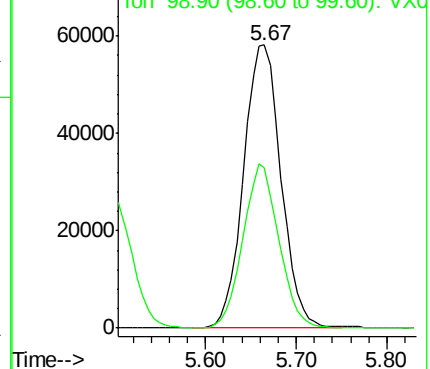
Ion Ratio Lower Upper

168 100

99 56.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V



#2

Dichlorodifluoromethane

Concen: 48.008 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009297.D

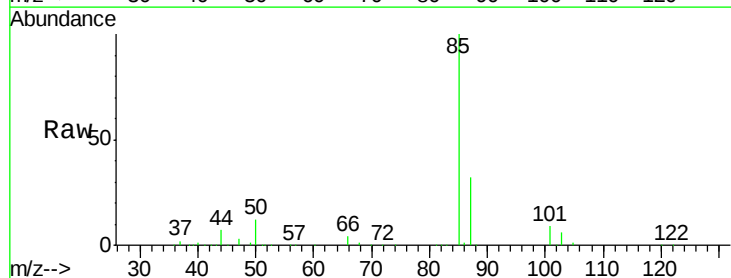
Acq: 03 May 2019 00:40

Tgt Ion: 85 Resp: 73502

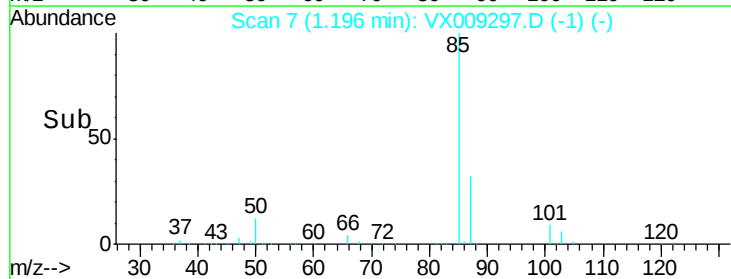
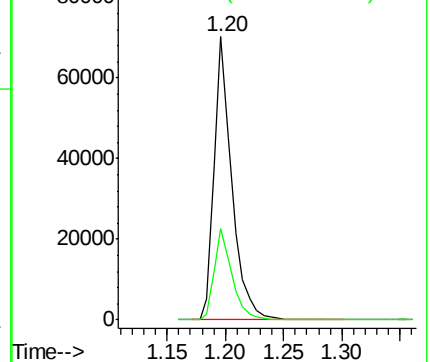
Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0





#3

Chloromethane

Concen: 48.114 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

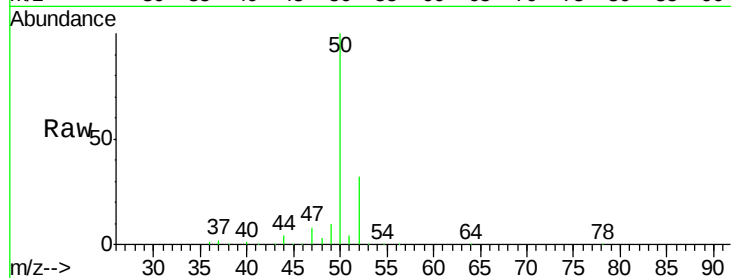
SS050MW641-190429MSD

Tot Ion: 50 Resp: 100569

Ion Ratio Lower Upper

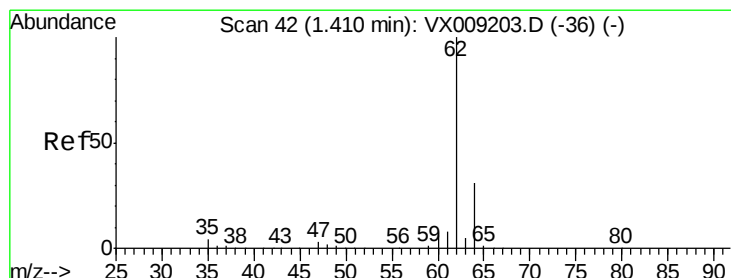
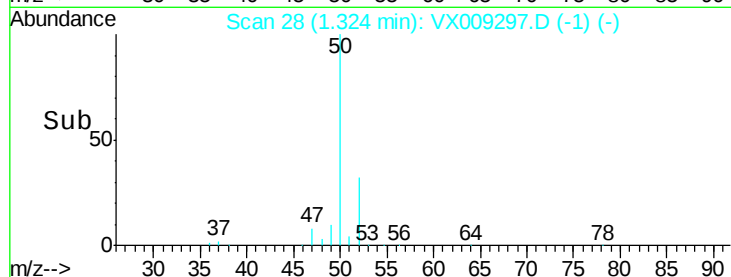
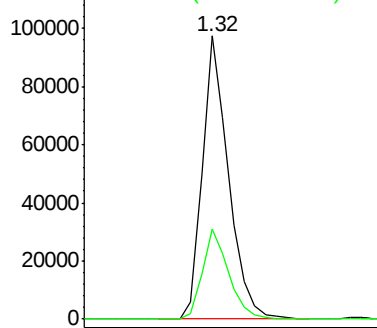
50 100

52 31.6 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: 53.999 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009297.D

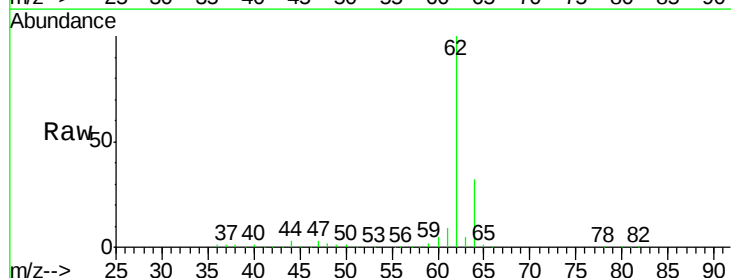
Acq: 03 May 2019 00:40

Tgt Ion: 62 Resp: 110064

Ion Ratio Lower Upper

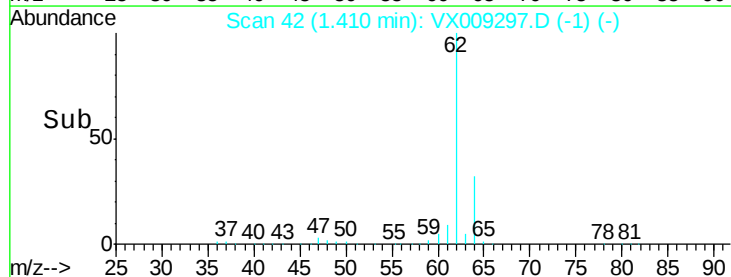
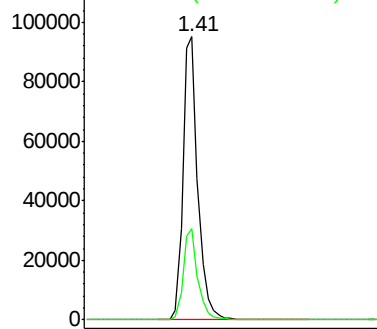
62 100

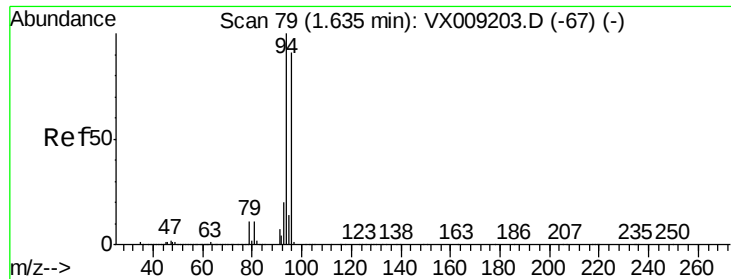
64 32.5 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.209 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

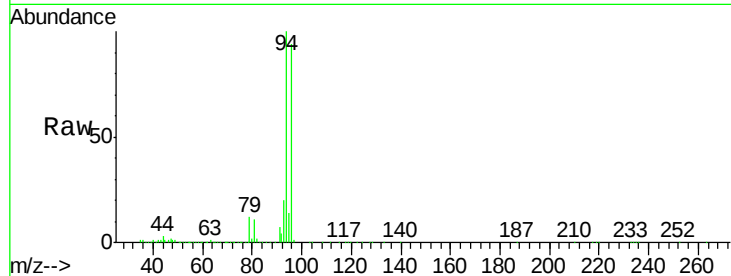
SS050MW641-190429MSD

Tot Ion: 94 Resp: 60201

Ion Ratio Lower Upper

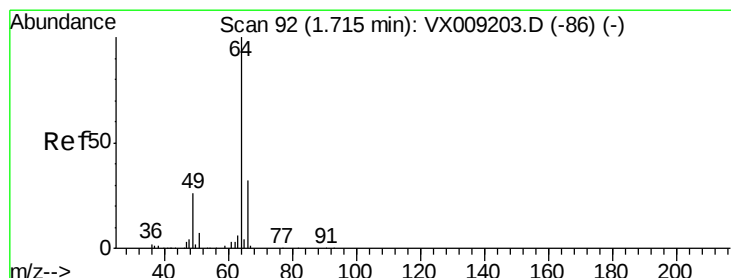
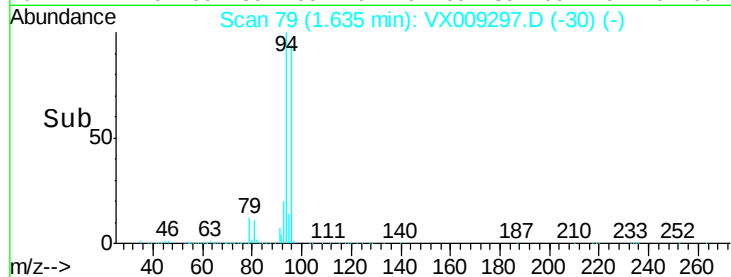
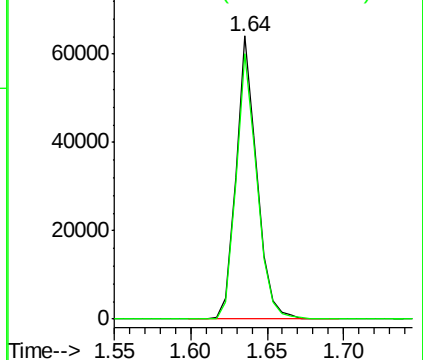
94 100

96 93.5 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: 50.084 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009297.D

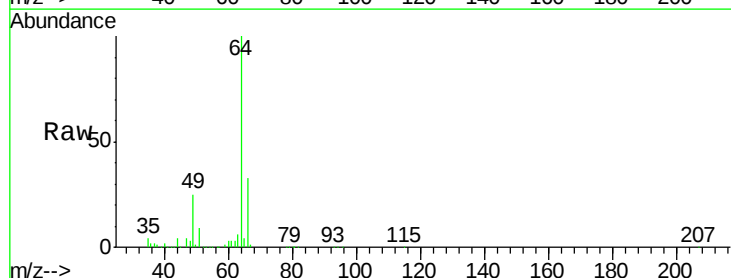
Acq: 03 May 2019 00:40

Tgt Ion: 64 Resp: 65542

Ion Ratio Lower Upper

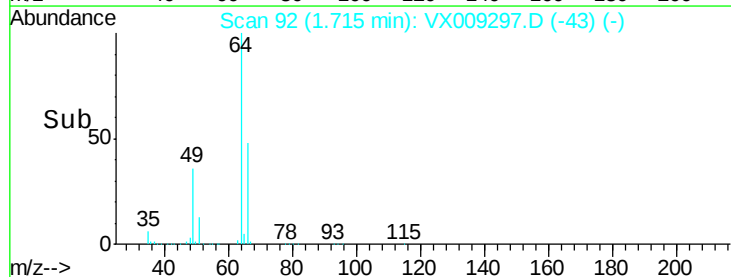
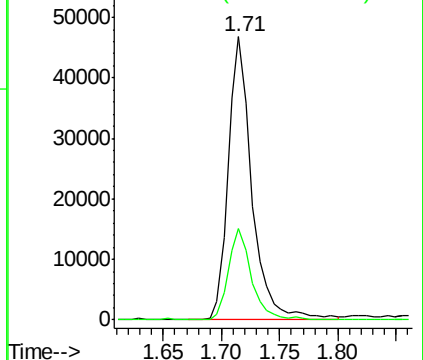
64 100

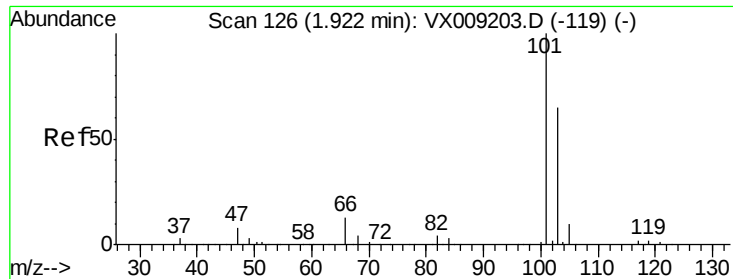
66 32.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



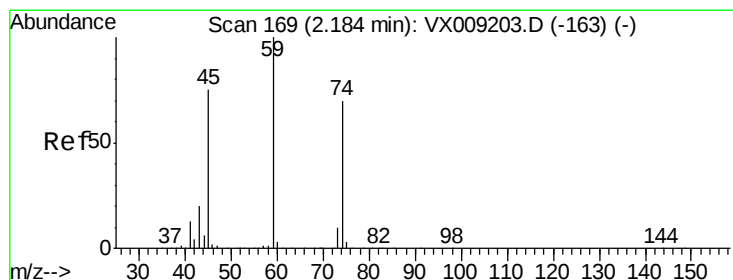
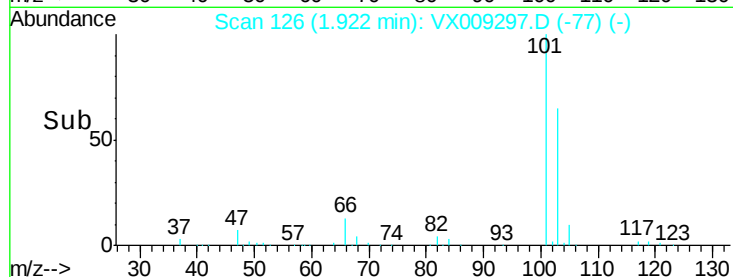
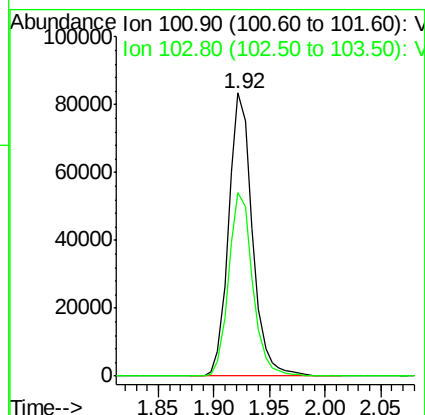
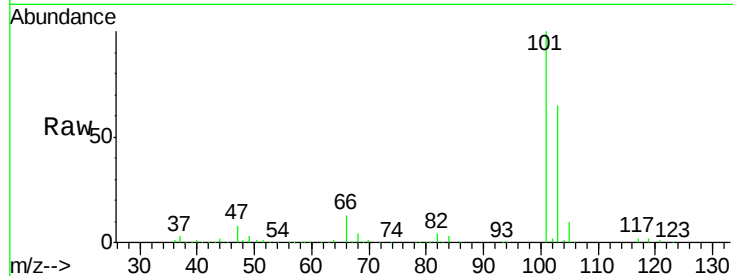


#7

Trichlorofluoromethane
 Concen: 49.743 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

Instrument :
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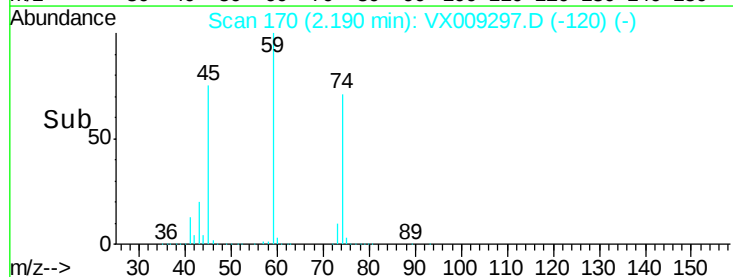
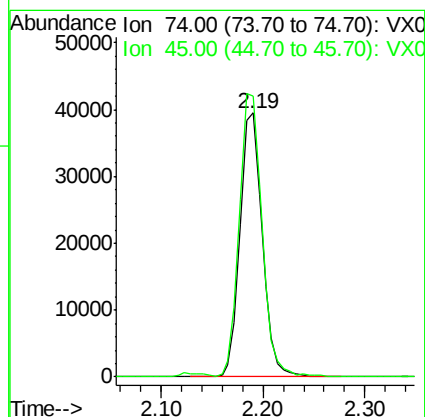
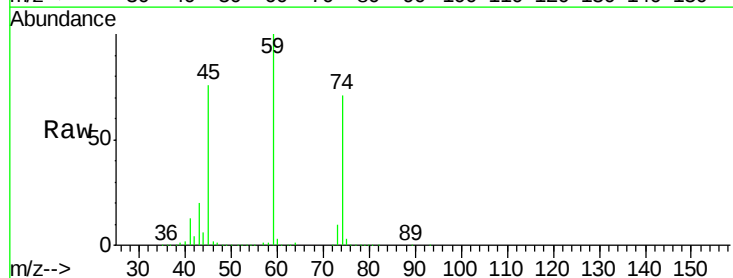
Tot Ion:101 Resp: 123244
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.4 78.6



#8

Diethyl Ether
 Concen: 50.769 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

Tgt Ion: 74 Resp: 59582
 Ion Ratio Lower Upper
 74 100
 45 107.8 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.916 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429MSD

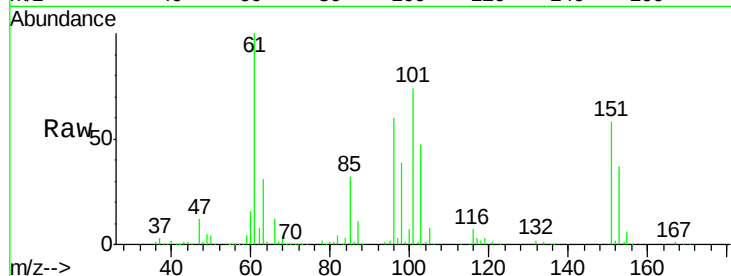
Tot Ion:101 Resp: 76106

Ion Ratio Lower Upper

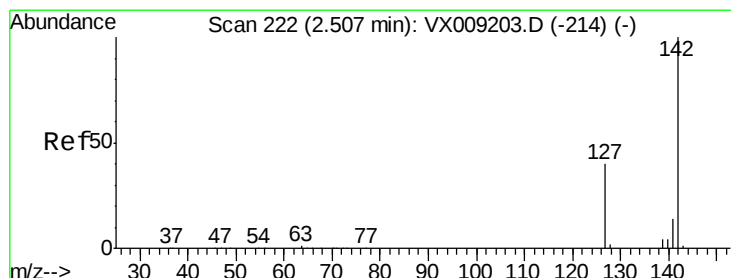
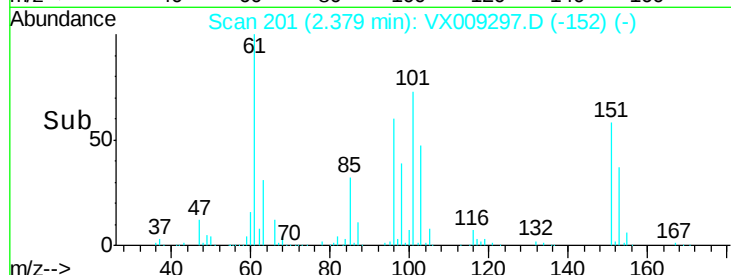
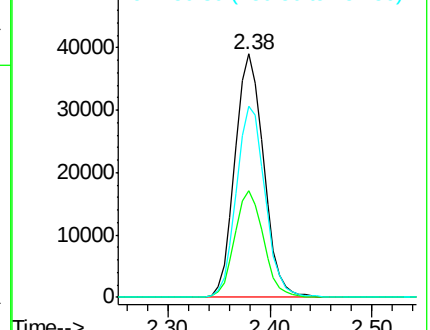
101 100

85 44.0 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: 48.280 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

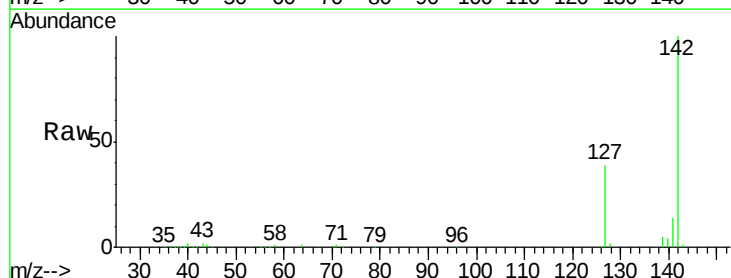
Tgt Ion:142 Resp: 86963

Ion Ratio Lower Upper

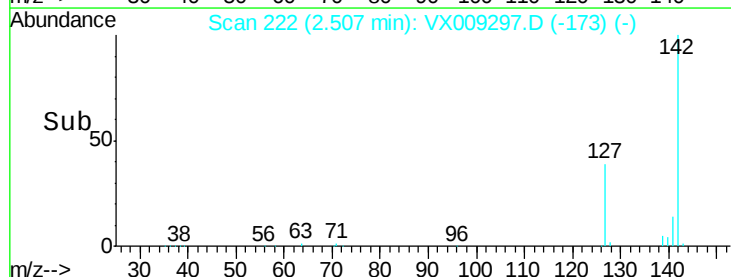
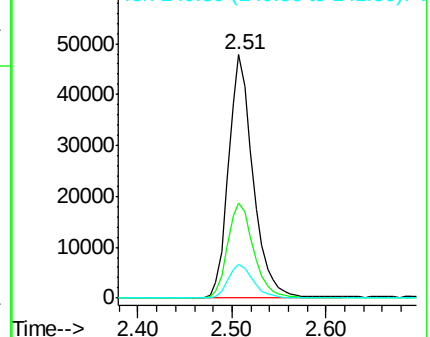
142 100

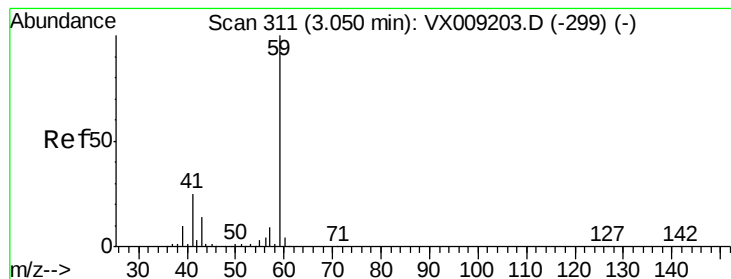
127 41.5 32.7 49.1

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: 256.557 ug/l

RT: 3.05 min Scan# 311

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

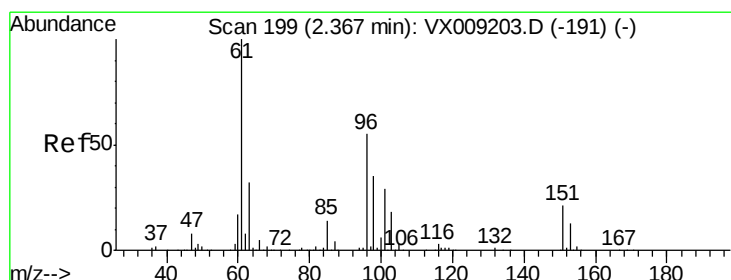
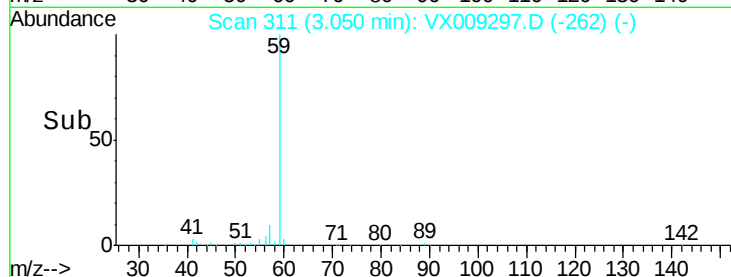
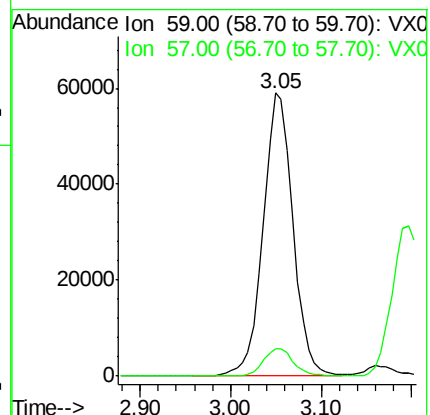
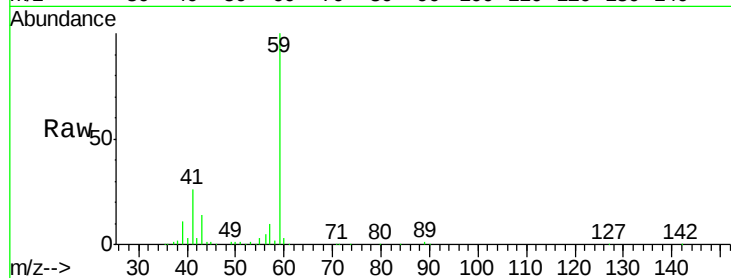
SS050MW641-190429MSD

Tot Ion: 59 Resp: 134691

Ion Ratio Lower Upper

59 100

57 9.9 8.2 12.2



#12

1,1-Dichloroethene

Concen: 49.558 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

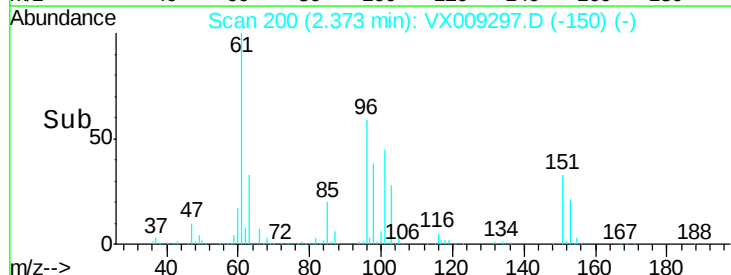
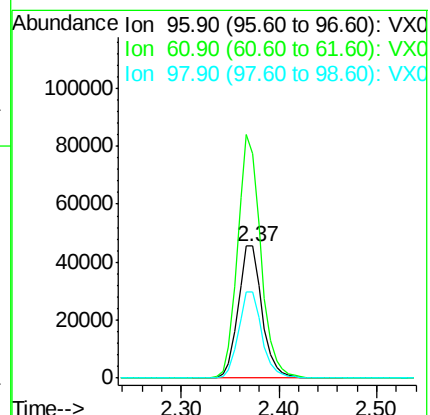
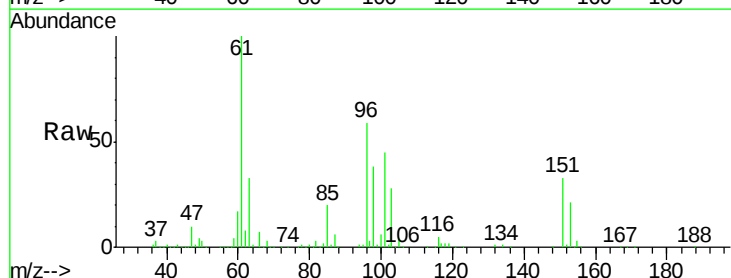
Tgt Ion: 96 Resp: 77256

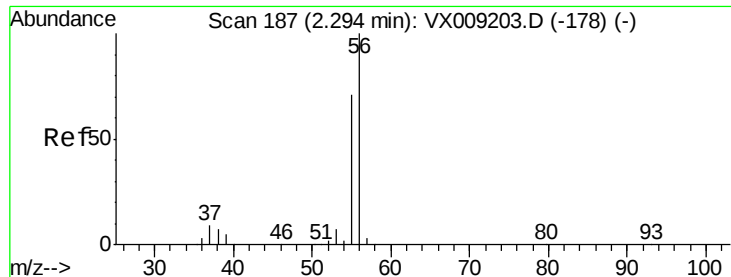
Ion Ratio Lower Upper

96 100

61 169.7 144.3 216.5

98 64.9 50.3 75.5





#13

Acrolein

Concen: 218.398 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

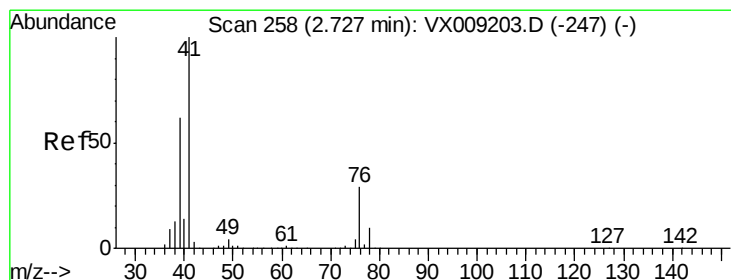
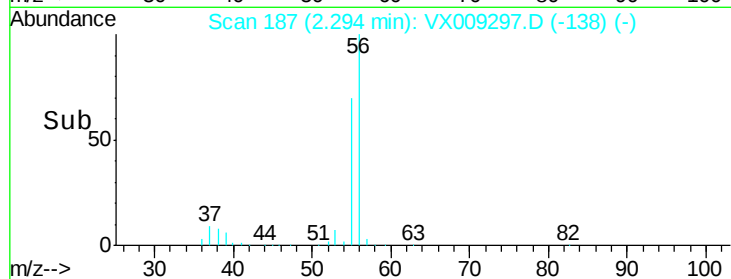
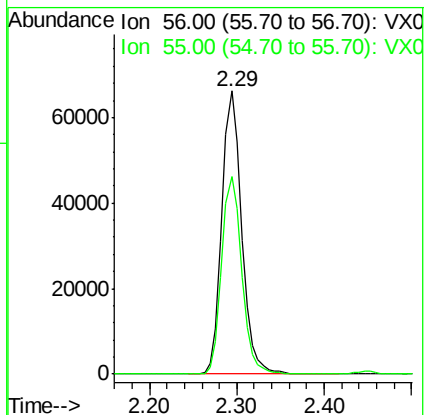
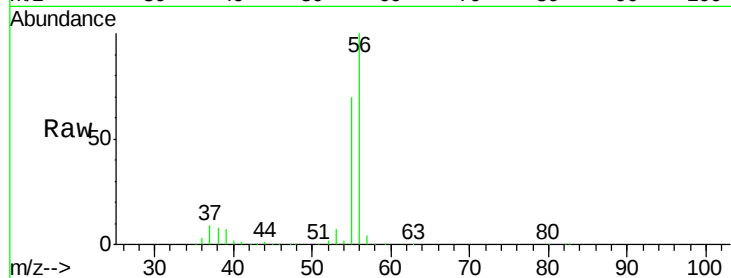
SS050MW641-190429MSD

Tot Ion: 56 Resp: 103838

Ion Ratio Lower Upper

56 100

55 70.3 56.6 85.0



#14

Allyl chloride

Concen: 47.479 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

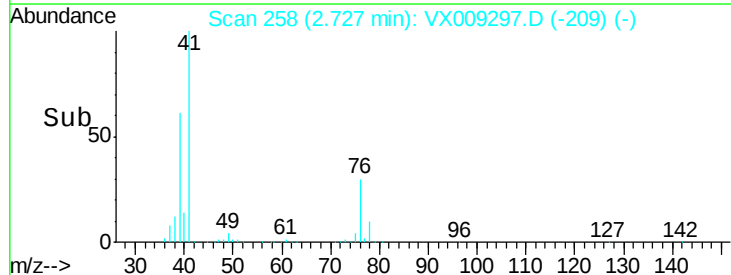
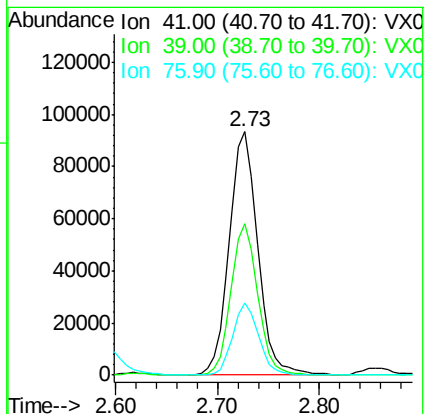
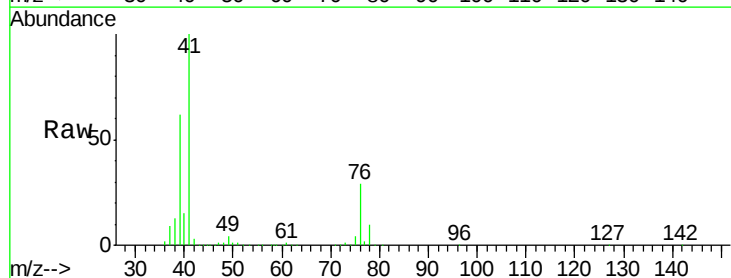
Tgt Ion: 41 Resp: 180373

Ion Ratio Lower Upper

41 100

39 58.2 46.7 70.1

76 26.9 21.8 32.8





#15

Acrylonitrile

Concen: 257.353 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429MSD

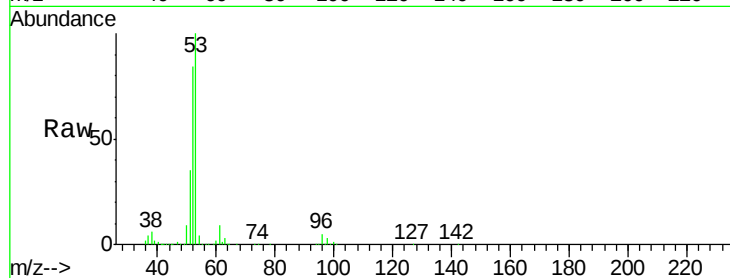
Tot Ion: 53 Resp: 330351

Ion Ratio Lower Upper

53 100

52 83.9 66.9 100.3

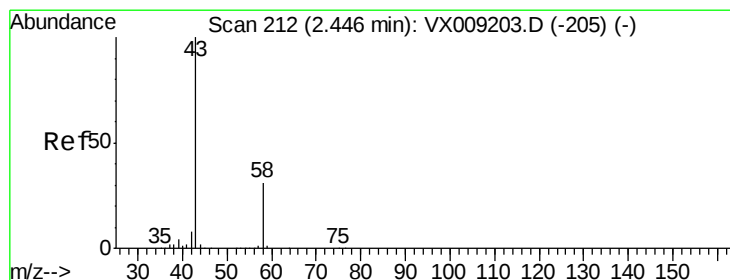
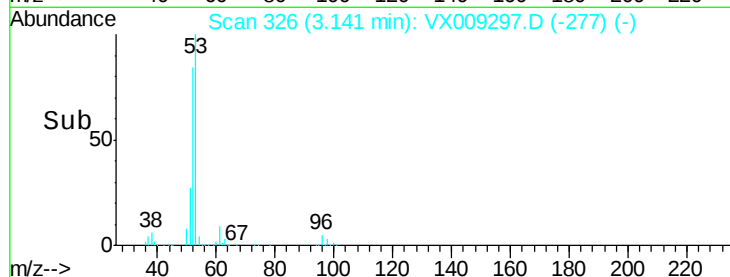
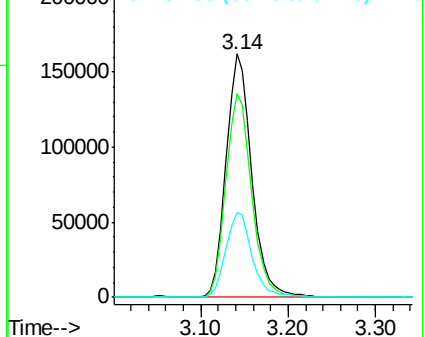
51 35.7 28.2 42.2



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: 231.420 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009297.D

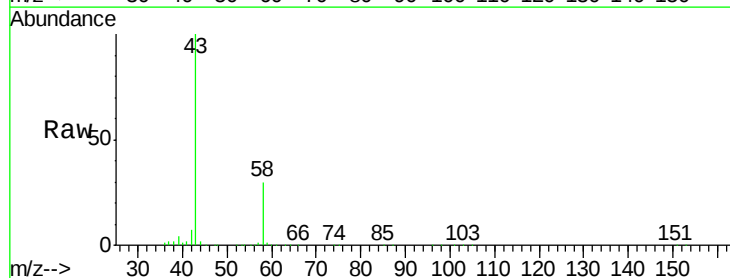
Acq: 03 May 2019 00:40

Tgt Ion: 43 Resp: 281834

Ion Ratio Lower Upper

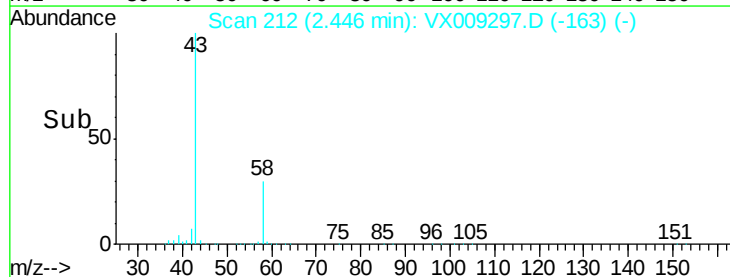
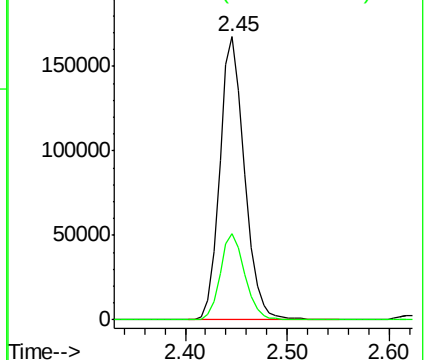
43 100

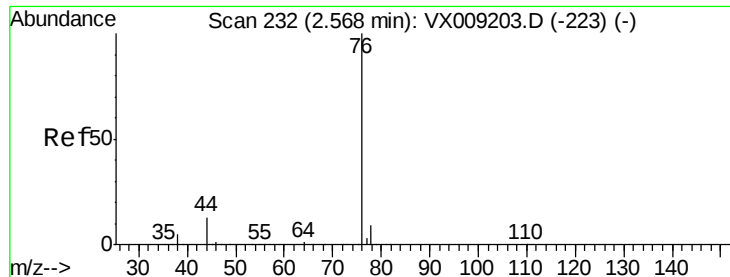
58 30.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

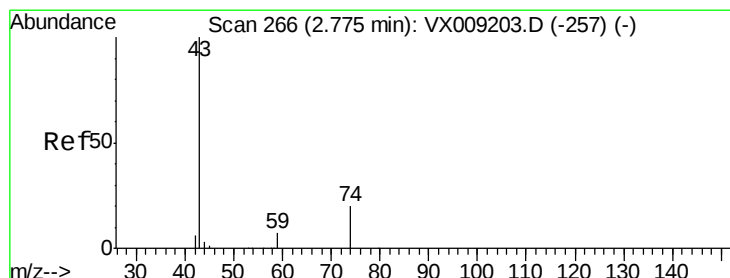
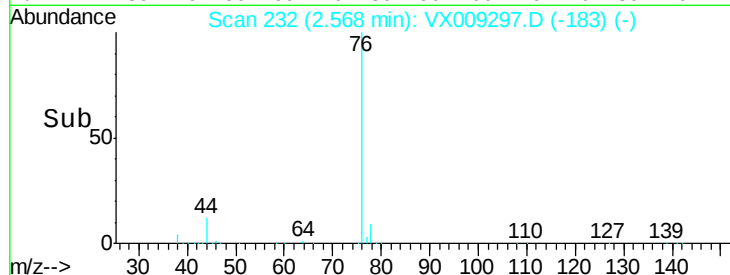
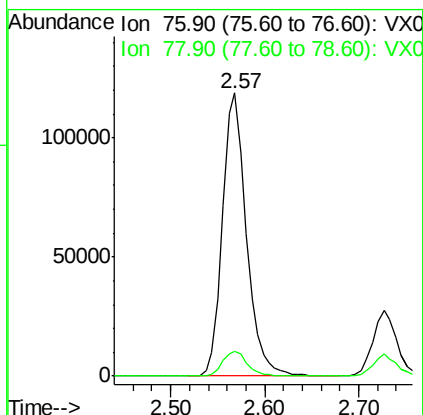
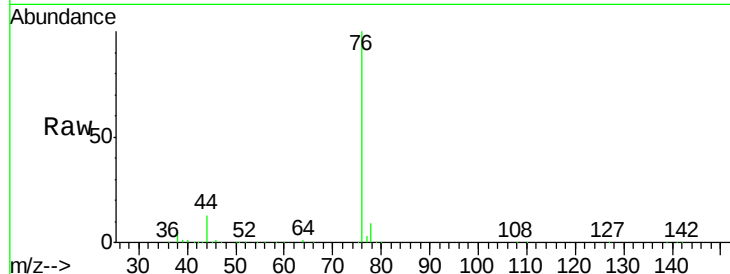




#17
Carbon Disulfide
Concen: 47.975 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

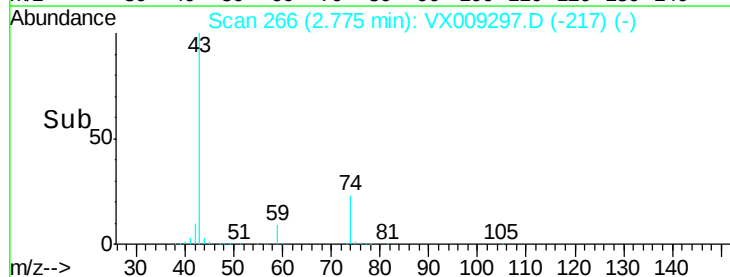
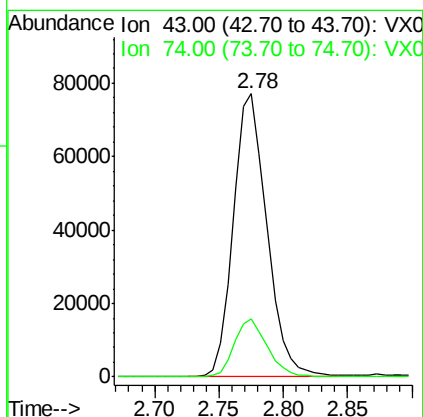
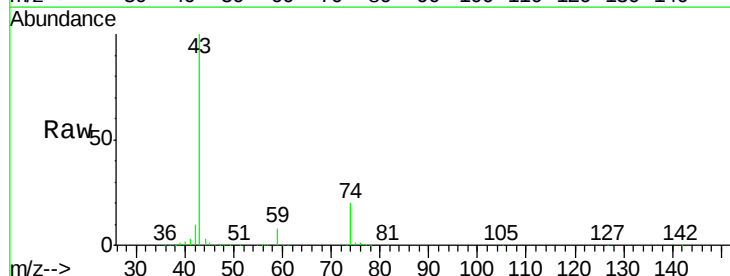
Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190429MSD

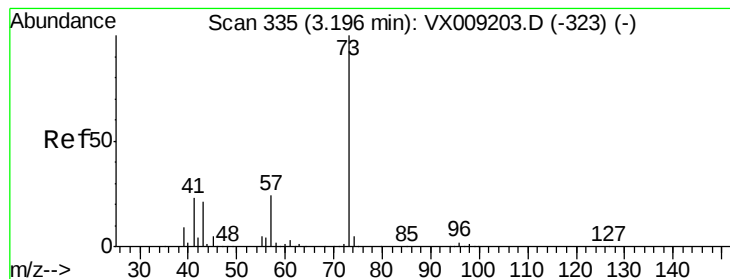
Tot Ion: 76 Resp: 209971
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 47.978 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

Tgt Ion: 43 Resp: 138959
Ion Ratio Lower Upper
43 100
74 20.5 16.2 24.4



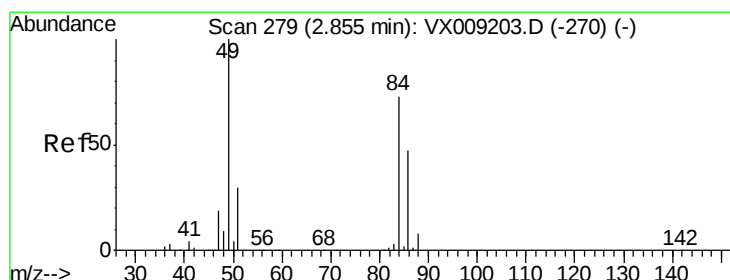
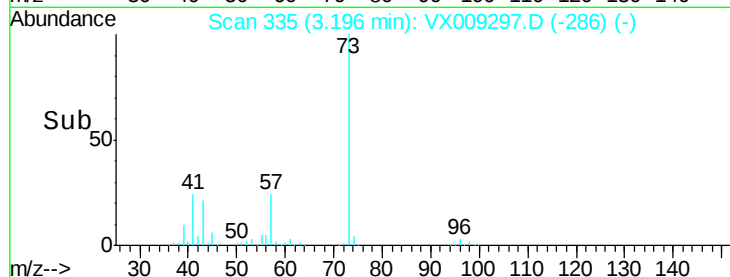
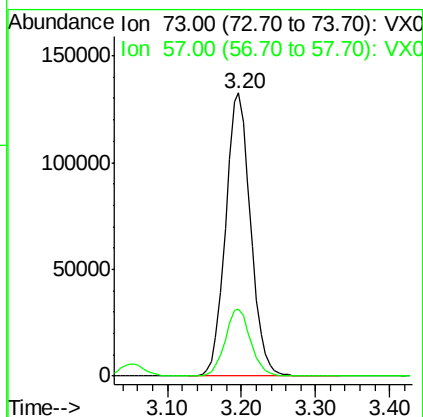
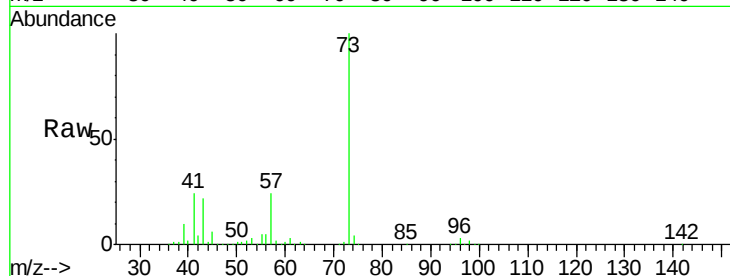


#19

Methyl tert-butyl Ether
 Concen: 51.302 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190429MSD

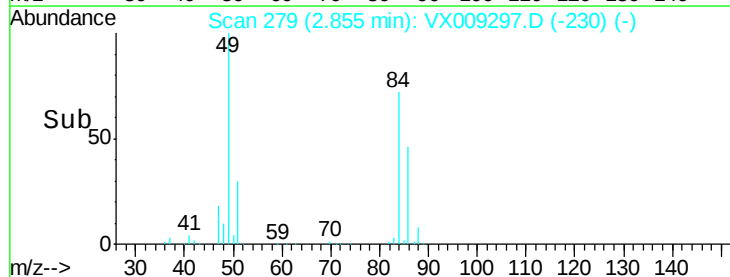
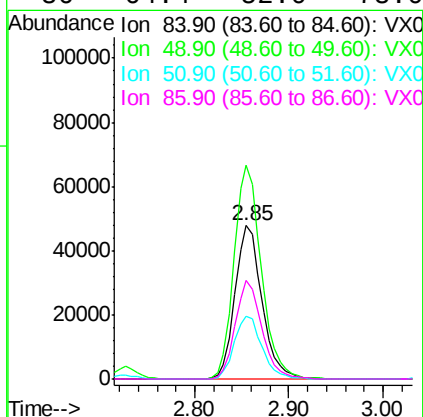
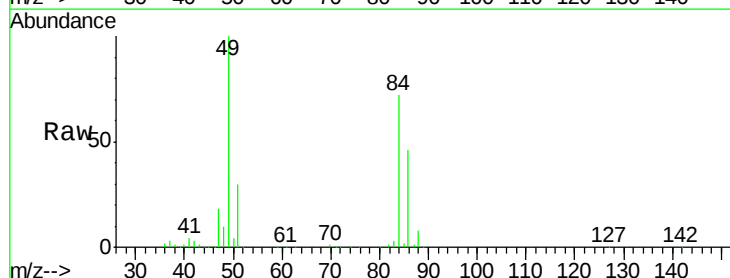
Tot Ion: 73 Resp: 310560
 Ion Ratio Lower Upper
 73 100
 57 23.7 19.3 28.9

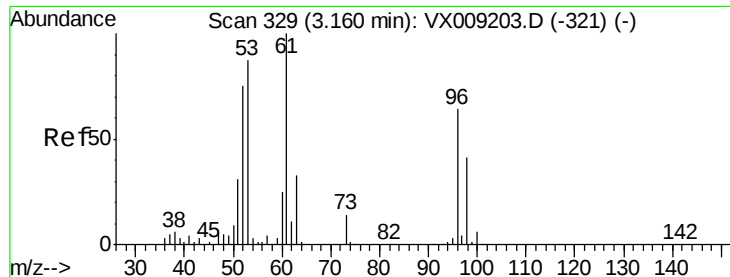


#20

Methylene Chloride
 Concen: 48.406 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

Tgt Ion: 84 Resp: 95450
 Ion Ratio Lower Upper
 84 100
 49 139.2 109.9 164.9
 51 41.3 32.7 49.1
 86 64.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.244 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429MSD

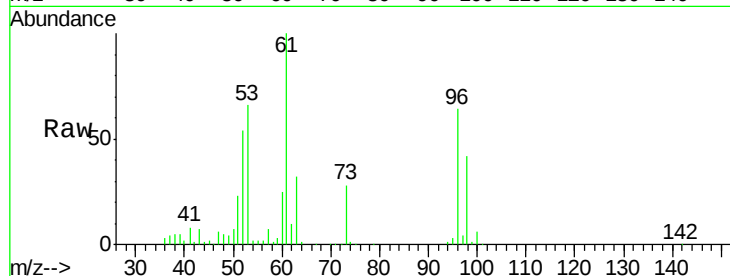
Tot Ion: 96 Resp: 84944

Ion Ratio Lower Upper

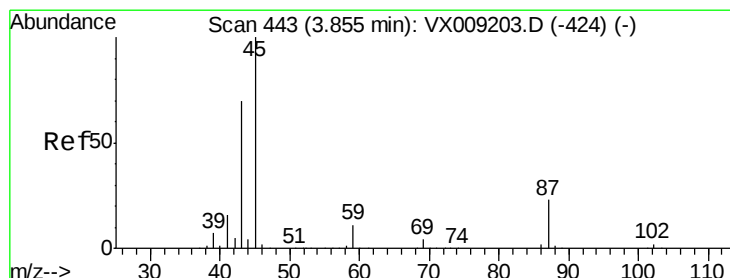
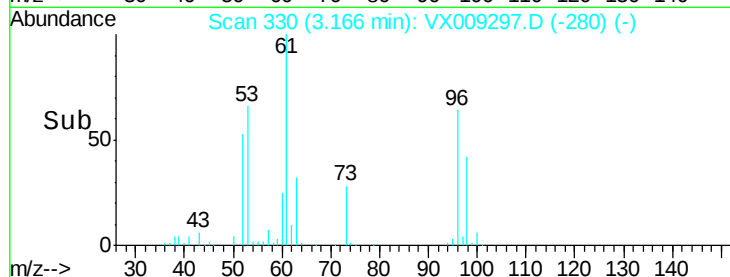
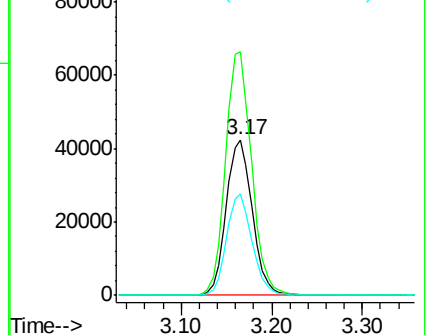
96 100

61 156.4 124.5 186.7

98 65.4 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: 51.163 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Tgt Ion: 45 Resp: 373793

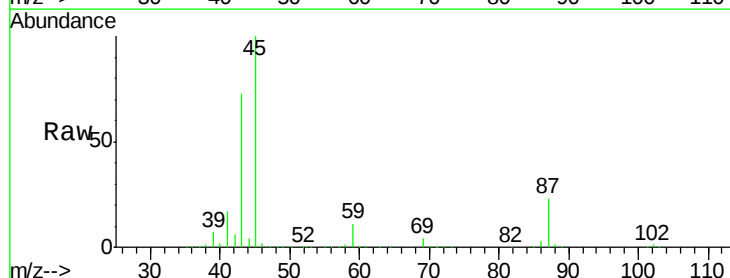
Ion Ratio Lower Upper

45 100

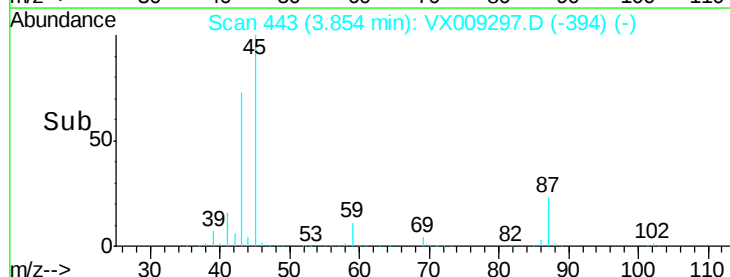
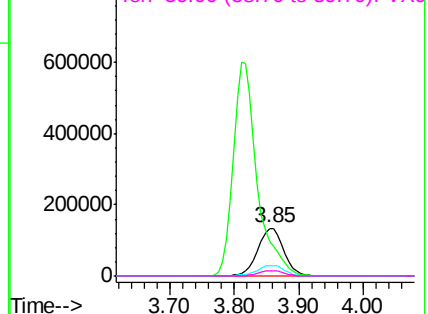
43 73.0 56.1 84.1

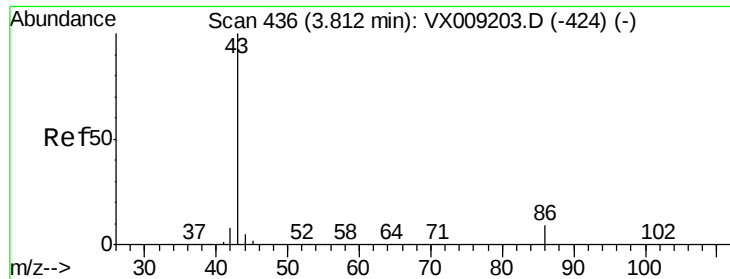
87 22.7 18.1 27.1

59 10.9 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

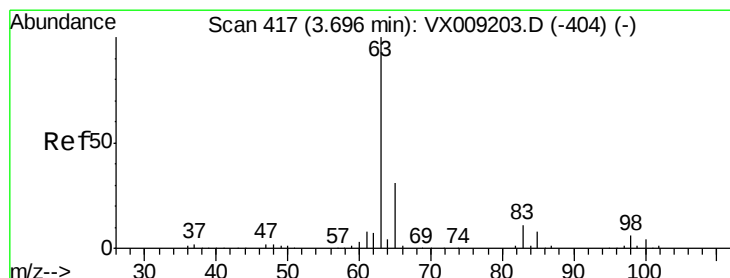
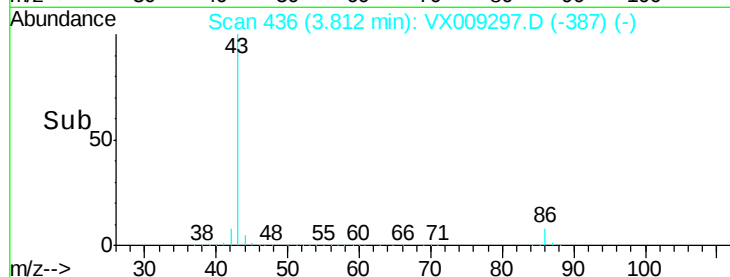
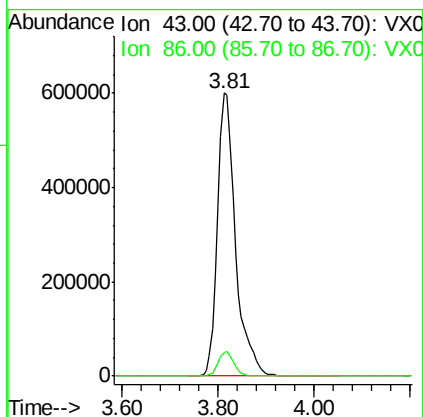
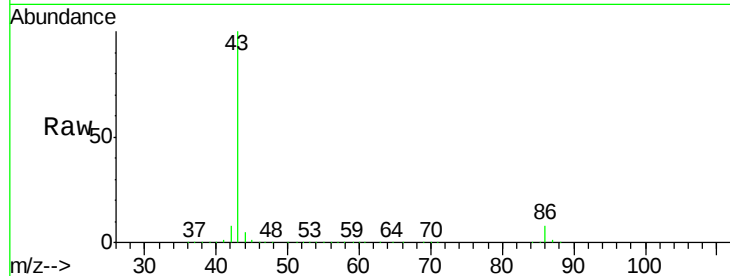




#23
 Vinyl Acetate
 Concen: 250.869 ug/l
 RT: 3.81 min Scan# 436
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

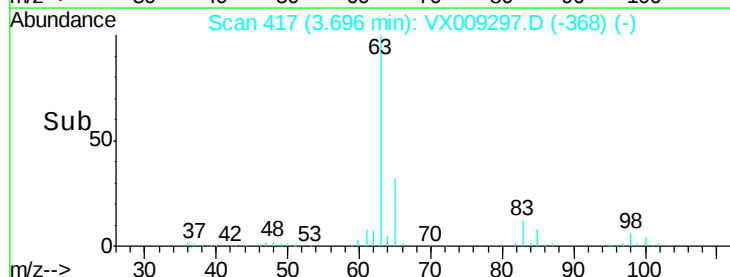
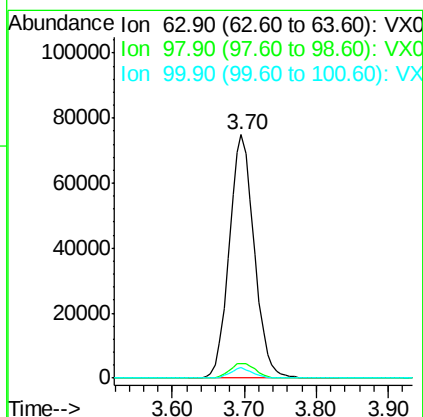
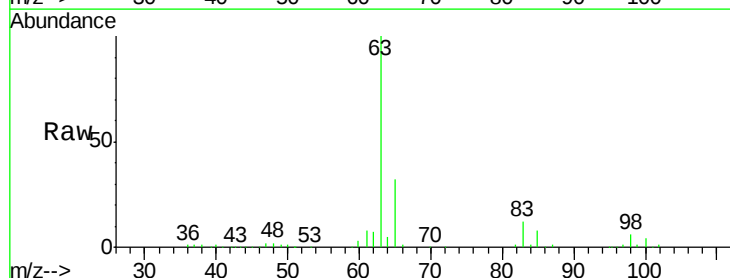
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190429MSD

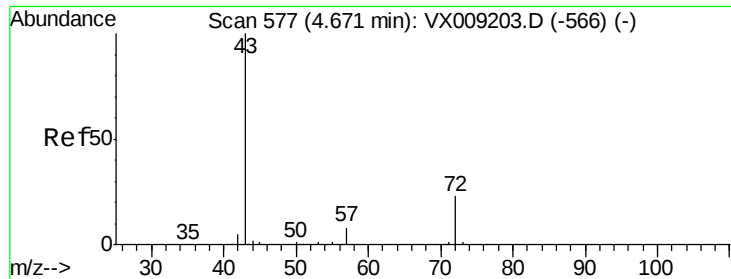
Tot Ion: 43 Resp: 1569481
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.9 10.3



#24
 1,1-Dichloroethane
 Concen: 50.080 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

Tgt Ion: 63 Resp: 180496
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.2
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 257.396 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

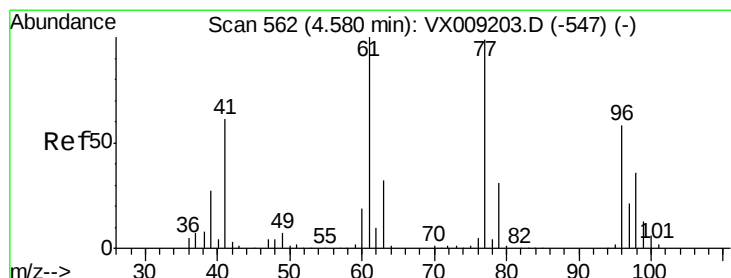
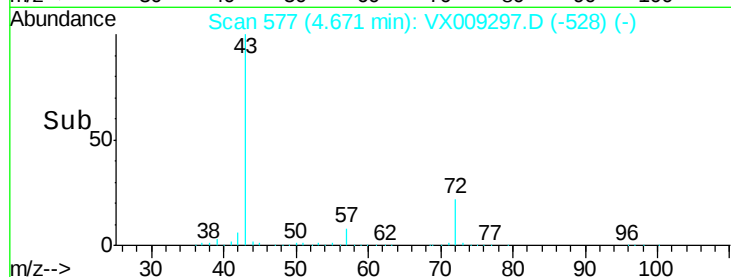
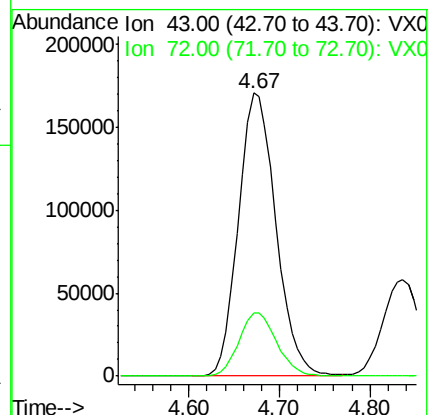
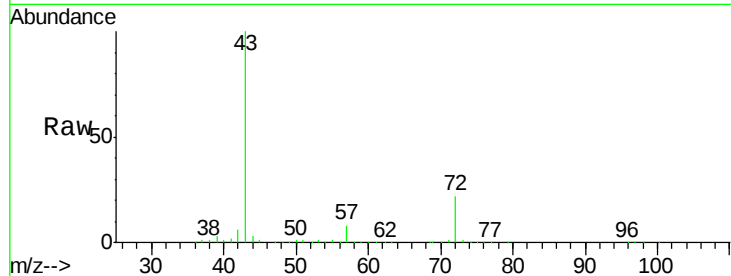
SS050MW641-190429MSD

Tot Ion: 43 Resp: 487121

Ion Ratio Lower Upper

43 100

72 22.4 18.2 27.2



#26

2,2-Dichloropropane

Concen: 34.158 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009297.D

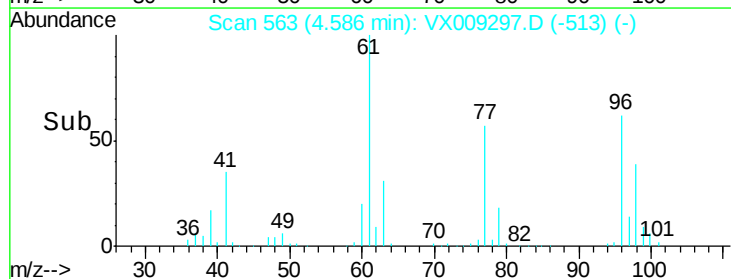
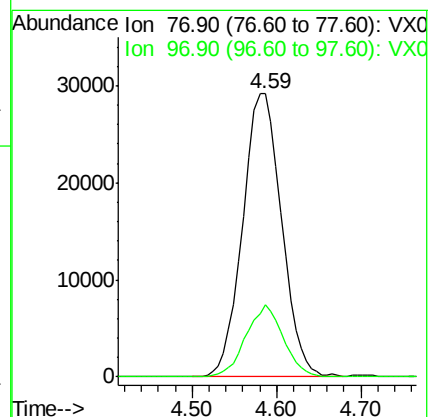
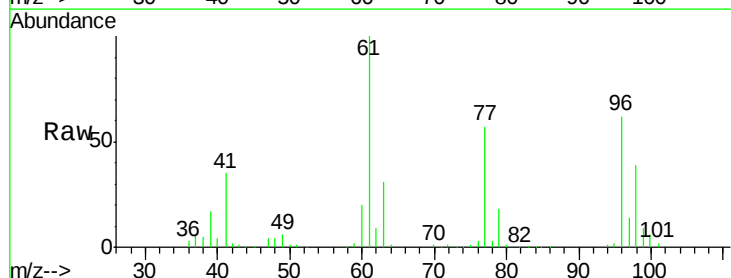
Acq: 03 May 2019 00:40

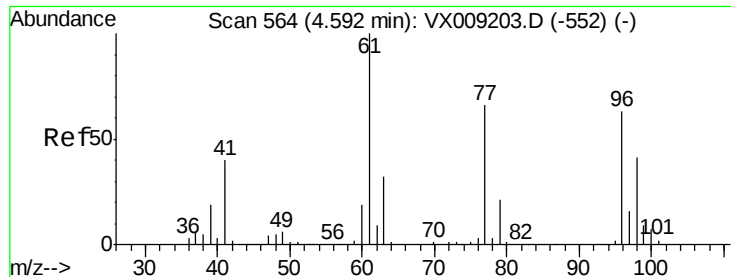
Tgt Ion: 77 Resp: 91635

Ion Ratio Lower Upper

77 100

97 24.4 11.5 34.4



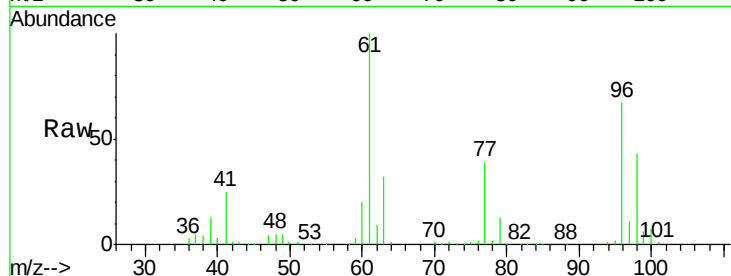


#27

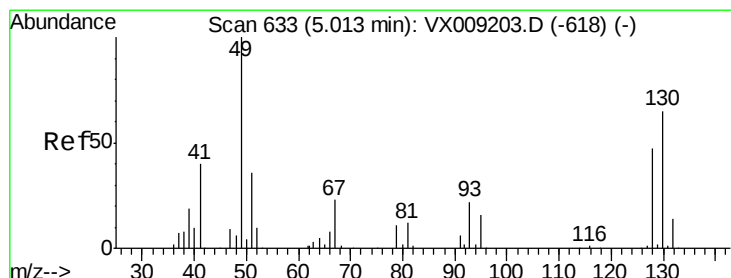
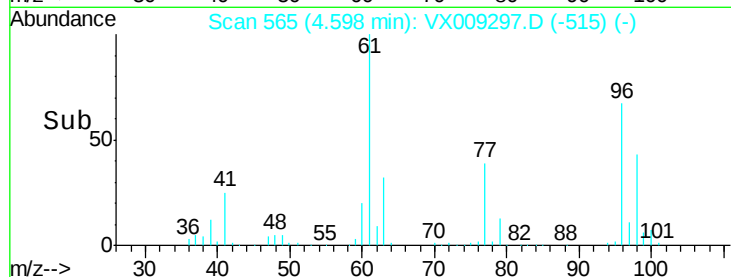
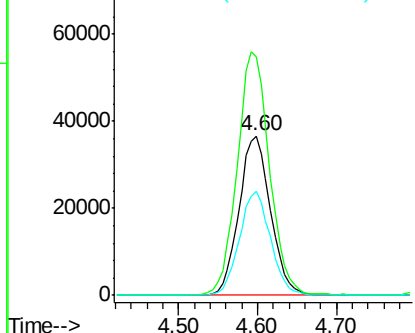
cis-1,2-Dichloroethene
Concen: 50.422 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190429MSD

Tot Ion: 96 Resp: 101749
Ion Ratio Lower Upper
96 100
61 156.8 0.0 324.0
98 64.7 0.0 130.4



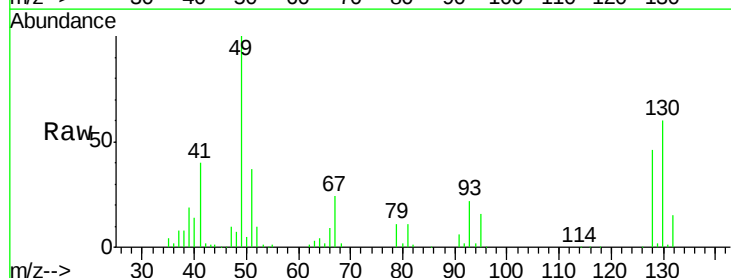
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



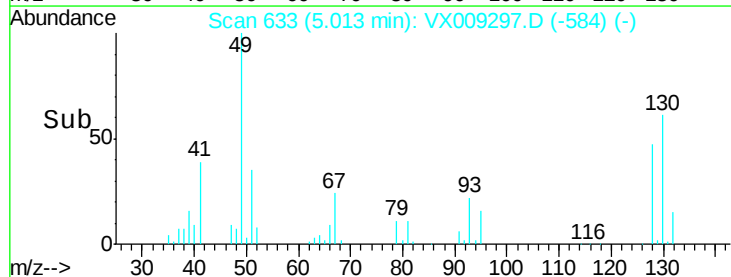
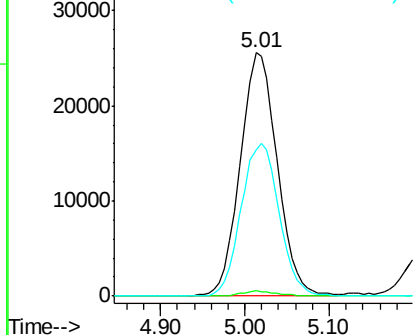
#28

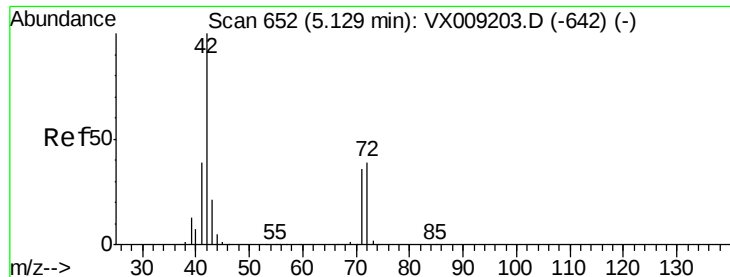
Bromochloromethane
Concen: 52.784 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

Tgt Ion: 49 Resp: 76360
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.8
130 64.5 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

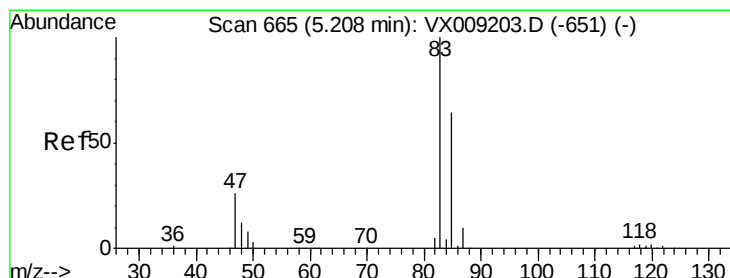
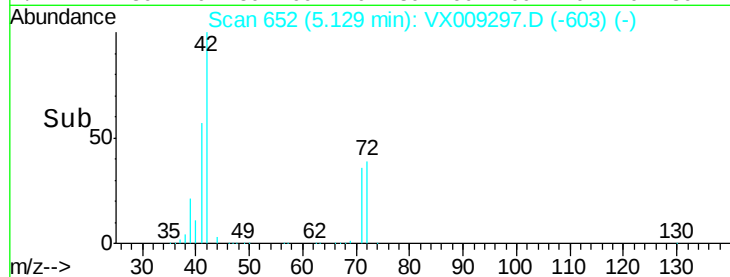
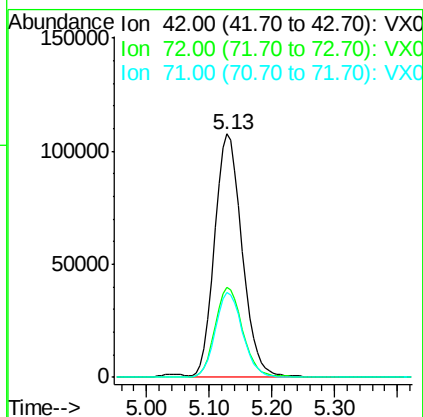
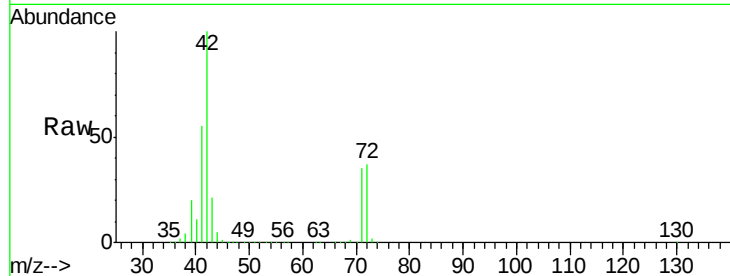




#29
Tetrahydrofuran
Concen: 267.584 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

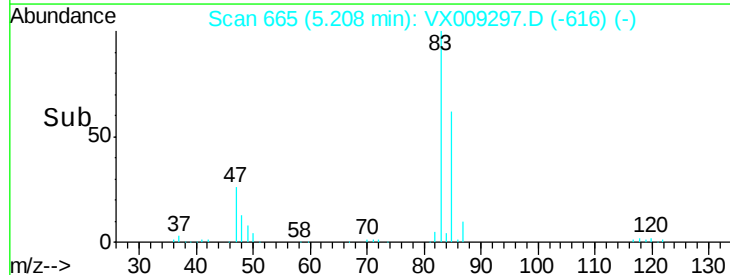
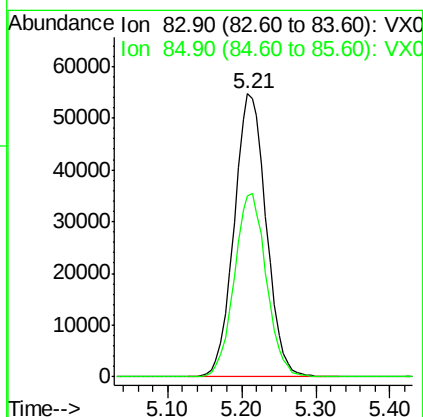
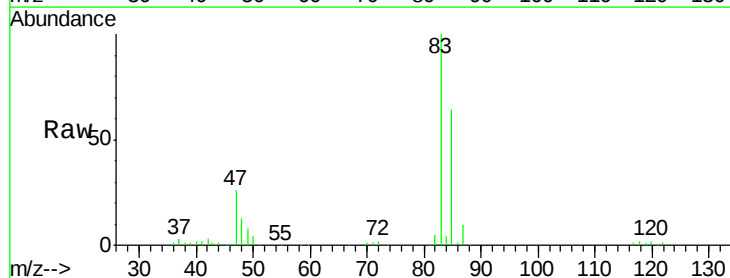
Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190429MSD

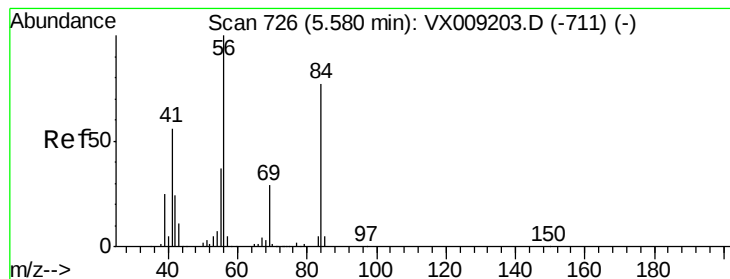
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	30.4	45.6
71	35.0	28.6	43.0



#30
Chloroform
Concen: 50.562 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3





#31

Cyclohexane

Concen: 49.119 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429MSD

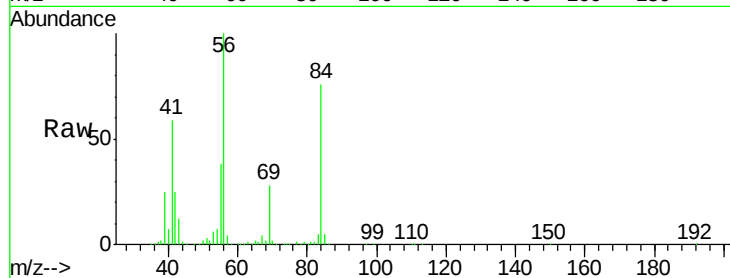
Tot Ion: 56 Resp: 164703

Ion Ratio Lower Upper

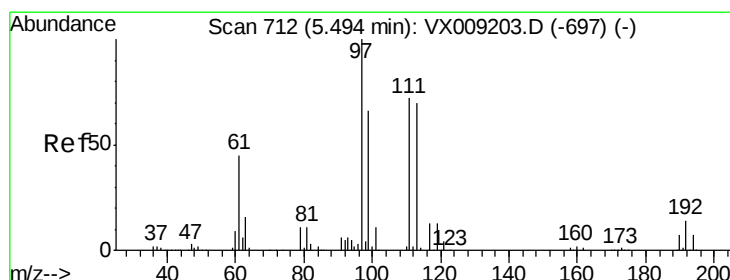
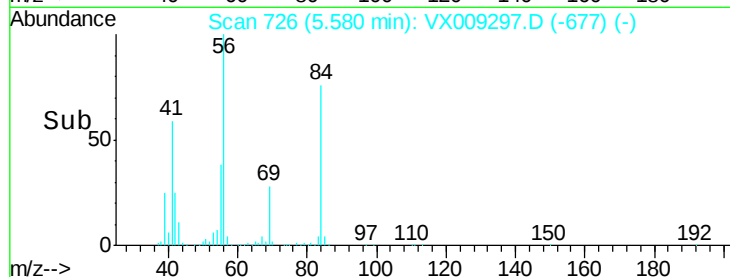
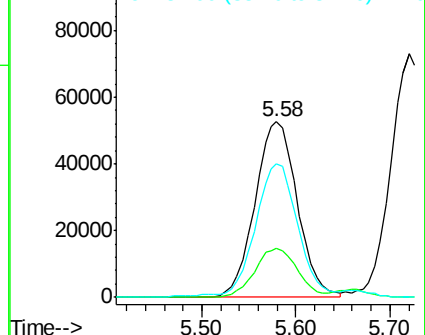
56 100

69 27.7 23.4 35.0

84 75.0 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 49.964 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

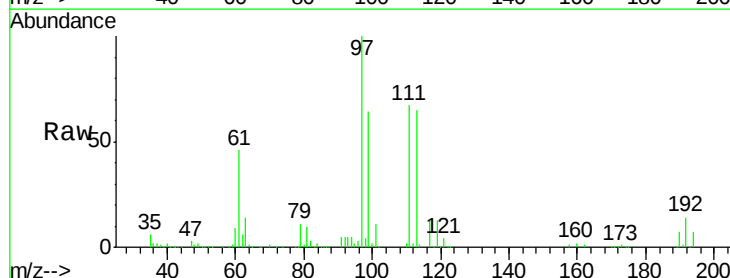
Tgt Ion: 97 Resp: 135579

Ion Ratio Lower Upper

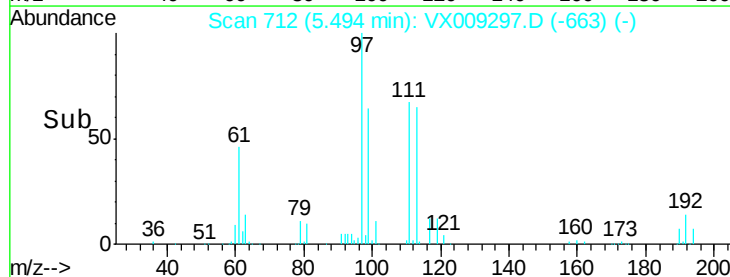
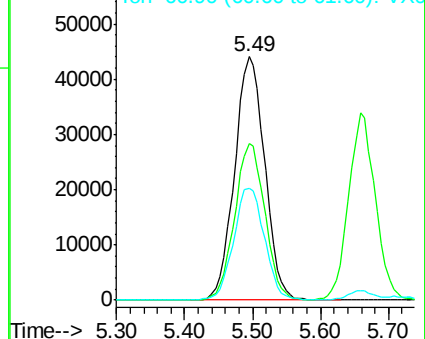
97 100

99 64.4 51.8 77.8

61 47.3 37.8 56.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.922 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

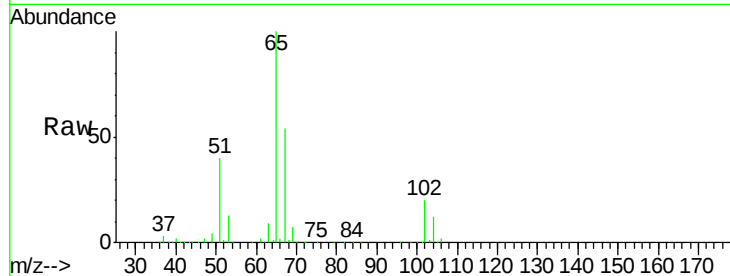
SS050MW641-190429MSD

Tot Ion: 65 Resp: 115494

Ion Ratio Lower Upper

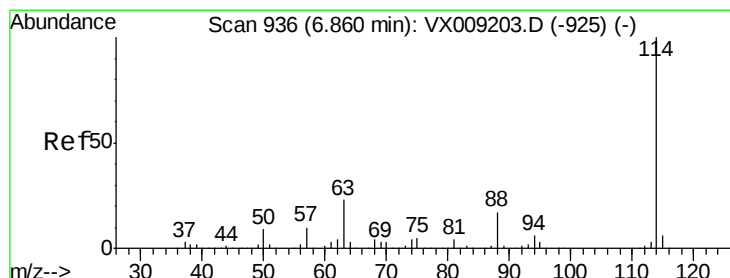
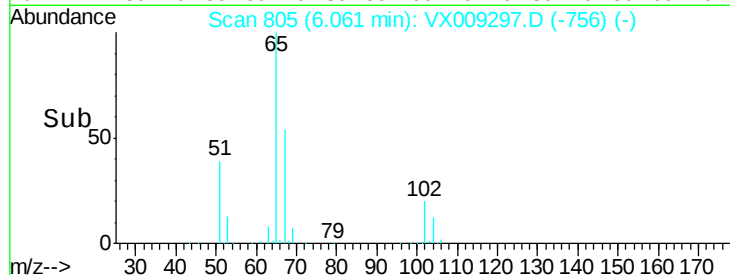
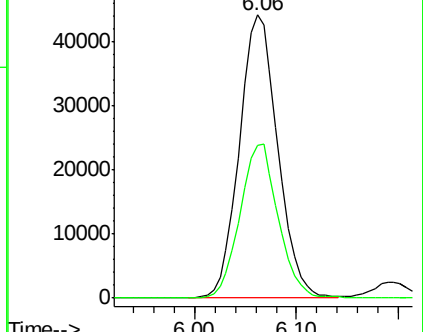
65 100

67 54.3 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

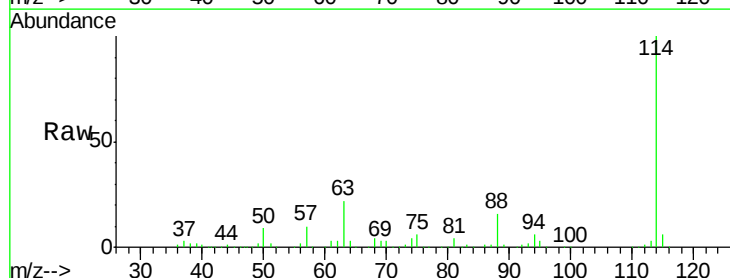
Tgt Ion: 114 Resp: 274370

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.6

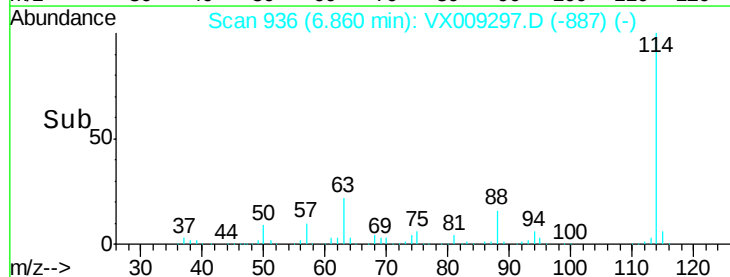
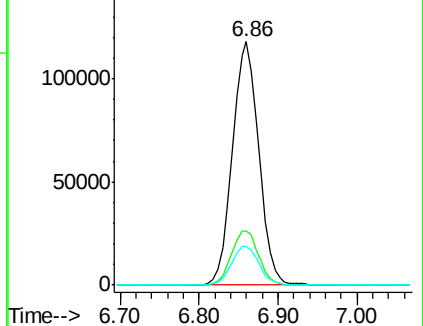
88 16.0 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.519 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429MSD

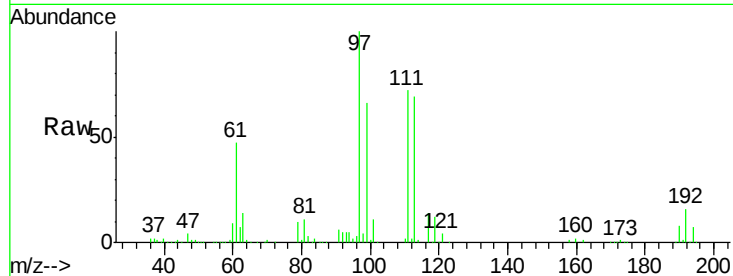
Tot Ion:113 Resp: 85411

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

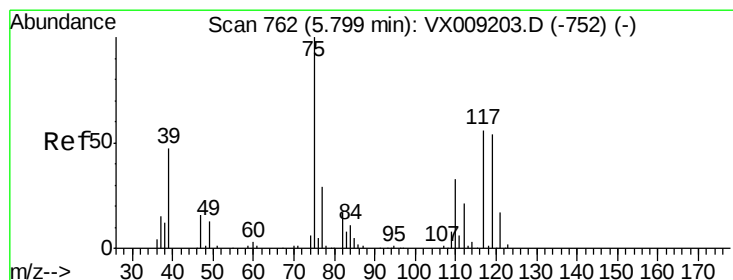
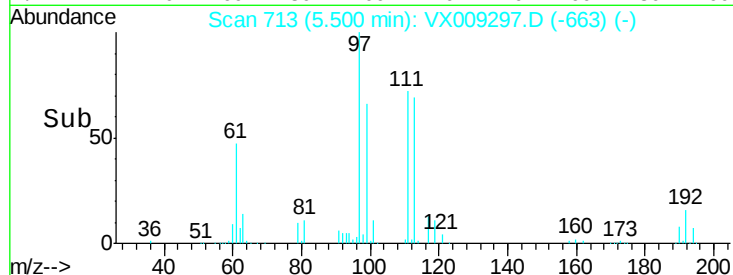
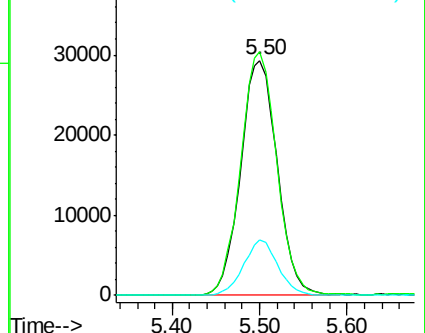
192 22.2 17.0 25.6



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: 47.945 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

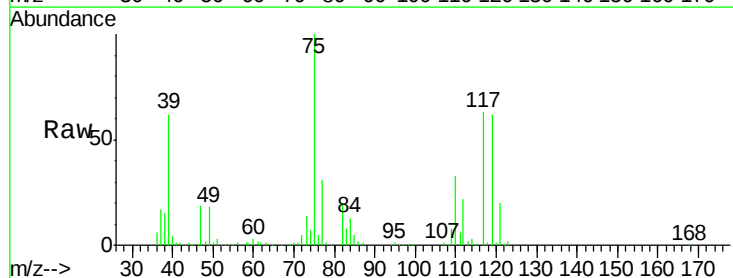
Tgt Ion: 75 Resp: 122247

Ion Ratio Lower Upper

75 100

110 33.6 16.9 50.6

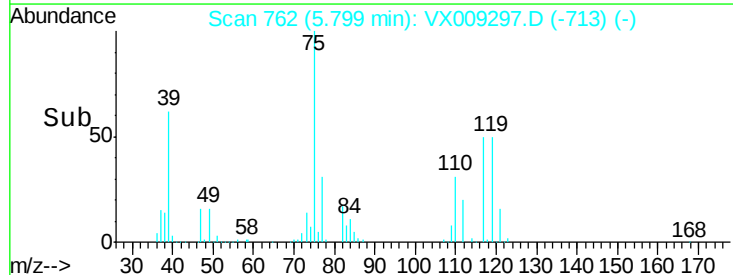
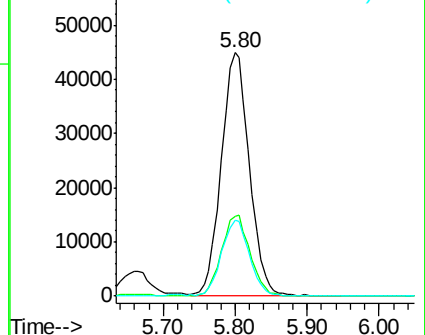
77 30.6 24.8 37.2

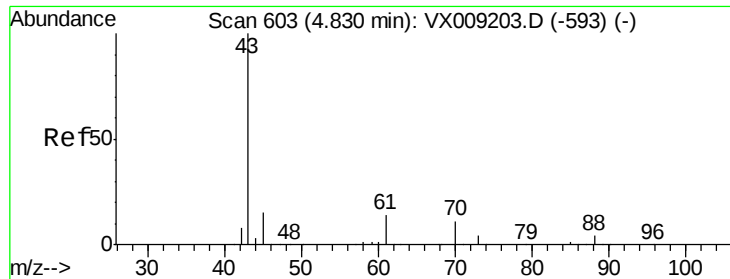


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

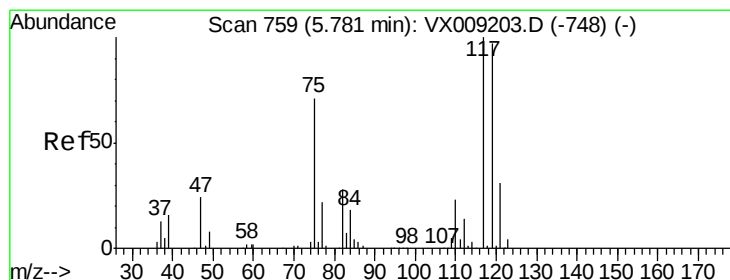
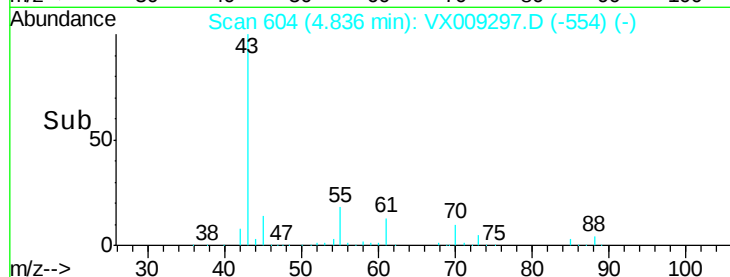
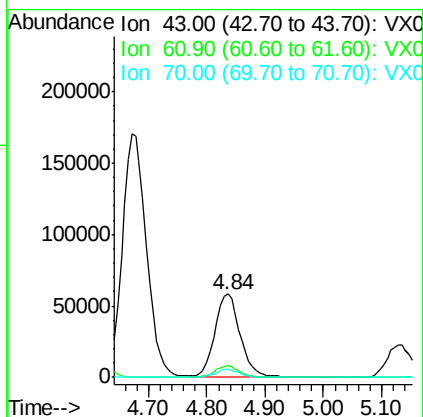
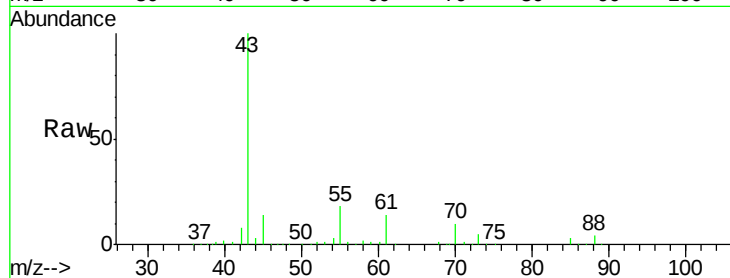




#37
Ethyl Acetate
Concen: 49.324 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

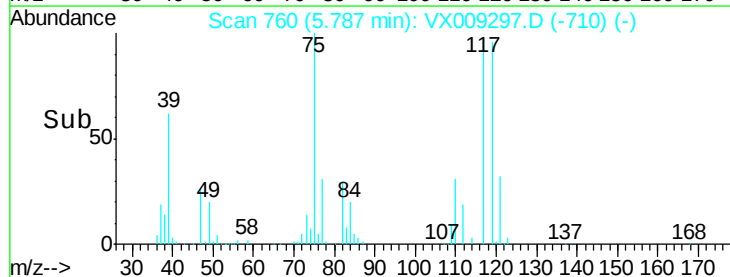
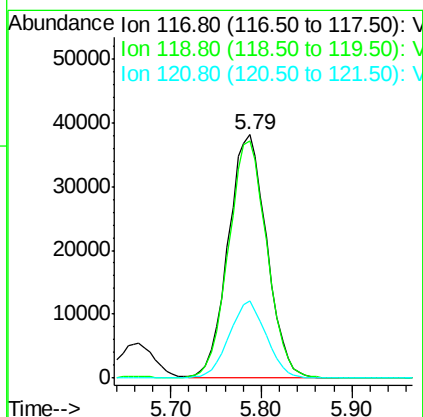
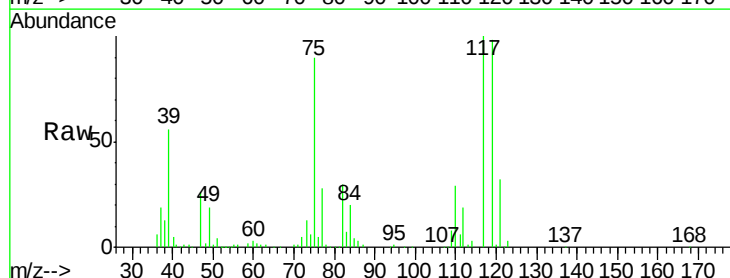
Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190429MSD

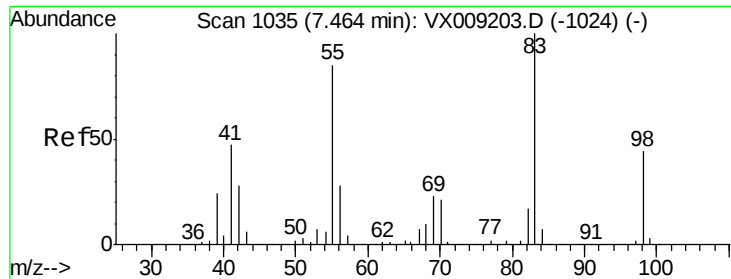
Tot Ion: 43 Resp: 175226
Ion Ratio Lower Upper
43 100
61 13.2 10.5 15.7
70 9.4 7.9 11.9



#38
Carbon Tetrachloride
Concen: 48.393 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

Tgt Ion: 117 Resp: 112109
Ion Ratio Lower Upper
117 100
119 97.6 77.5 116.3
121 31.7 24.7 37.1

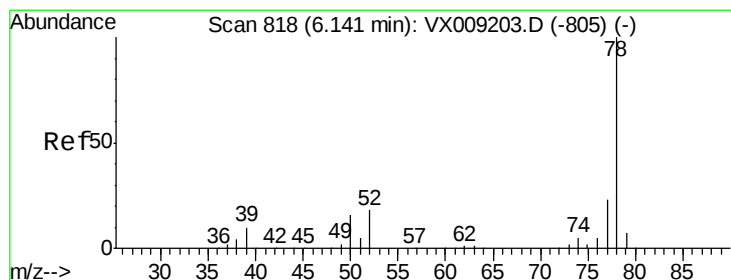
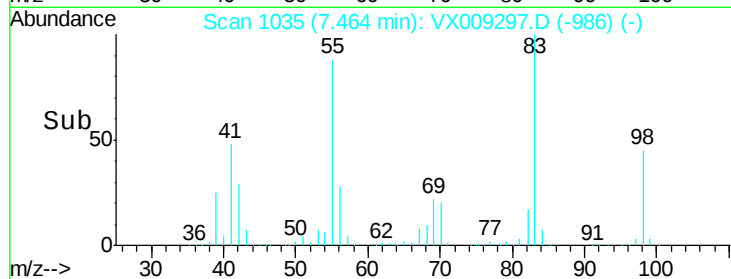
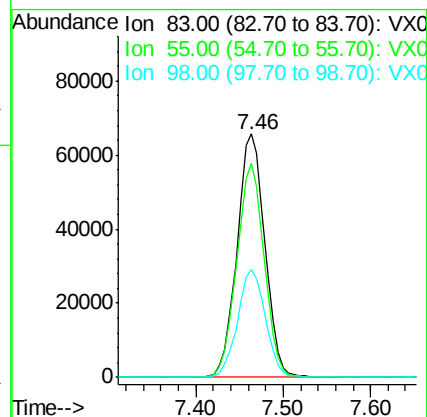
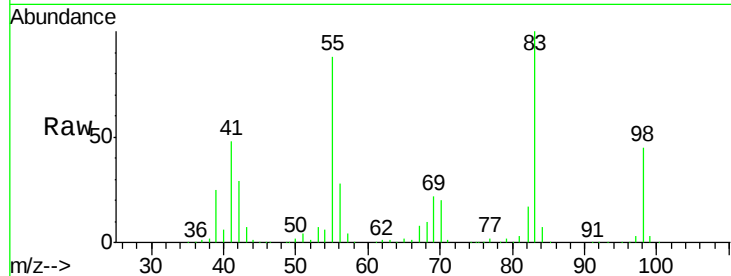




#39
Methvlcvclohexane
Concen: 46.385 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

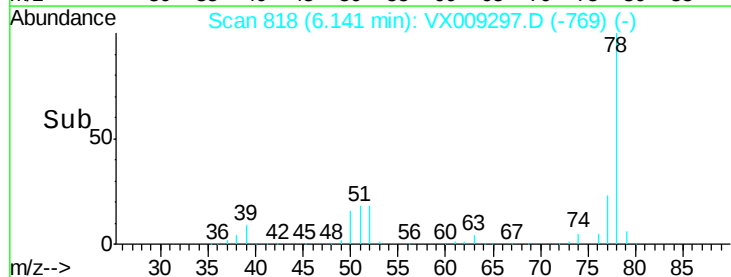
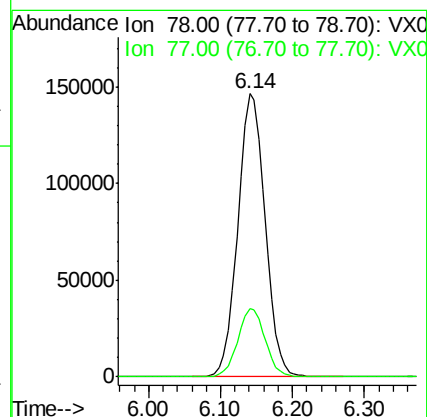
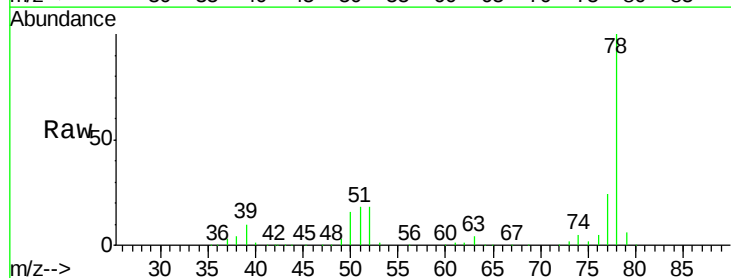
Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190429MSD

Tot Ion: 83 Resp: 145248
Ion Ratio Lower Upper
83 100
55 87.7 67.7 101.5
98 44.6 35.5 53.3



#40
Benzene
Concen: 48.911 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

Tgt Ion: 78 Resp: 385961
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2





#41

Methacrylonitrile

Concen: 49.851 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429MSD

Tot Ion: 41 Resp: 105422

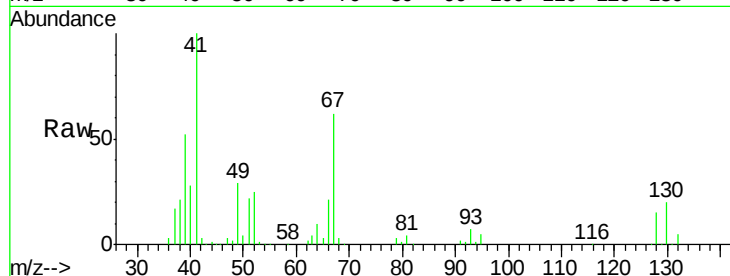
Ion Ratio Lower Upper

41 100

39 52.3 42.0 63.0

67 62.6 49.8 74.8

52 26.3 20.3 30.5

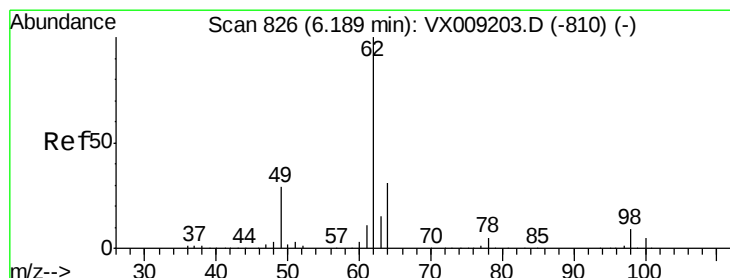
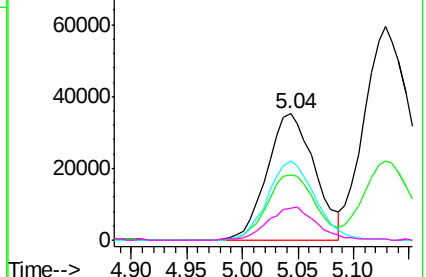
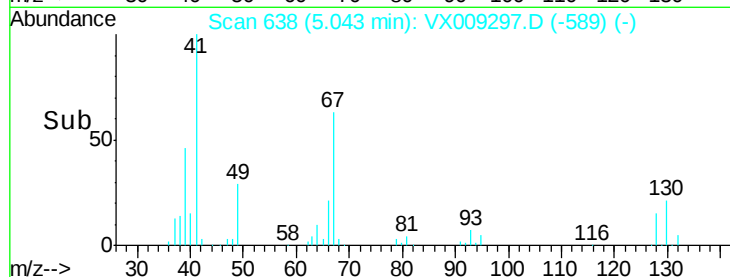


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 49.370 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009297.D

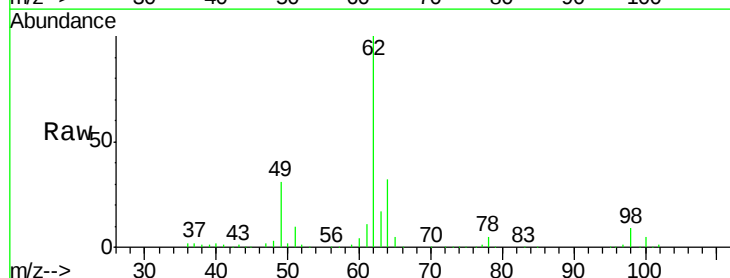
Acq: 03 May 2019 00:40

Tgt Ion: 62 Resp: 139750

Ion Ratio Lower Upper

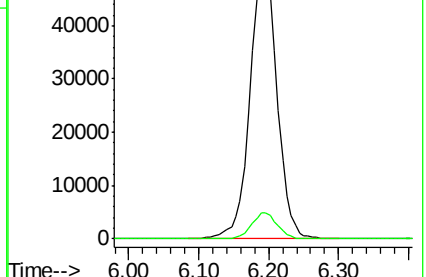
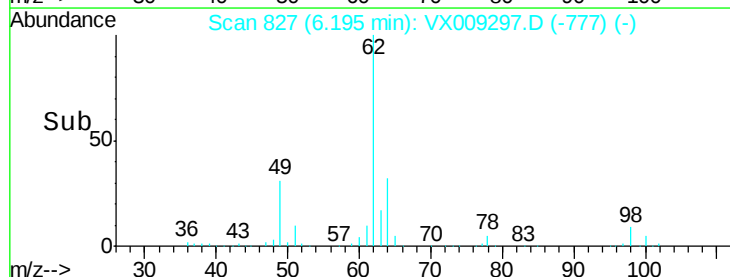
62 100

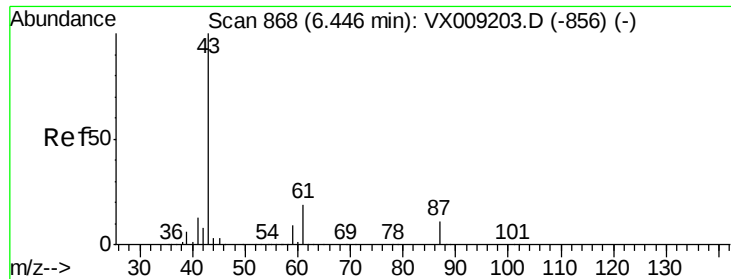
98 8.9 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



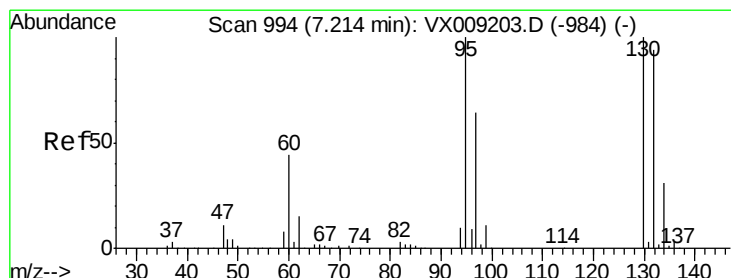
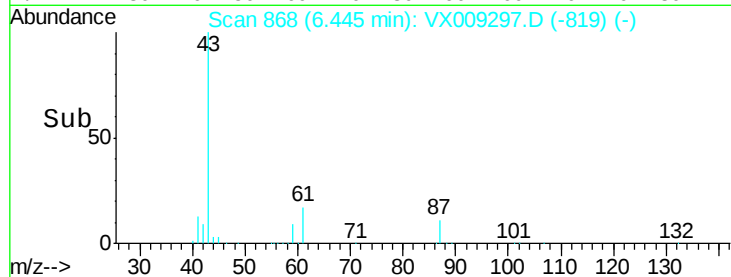
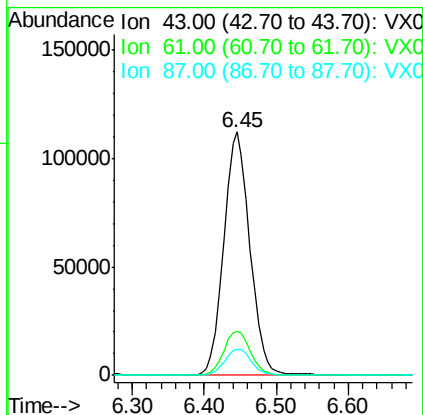
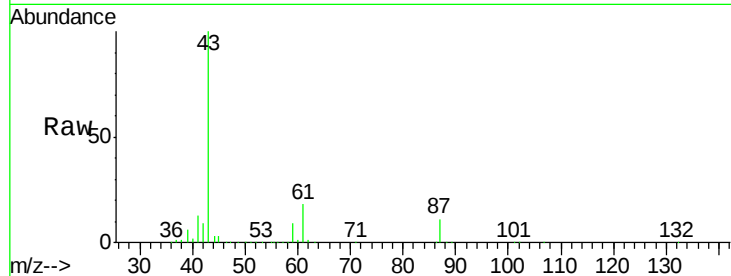


#43

Isopropyl Acetate
 Concen: 49.596 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190429MSD

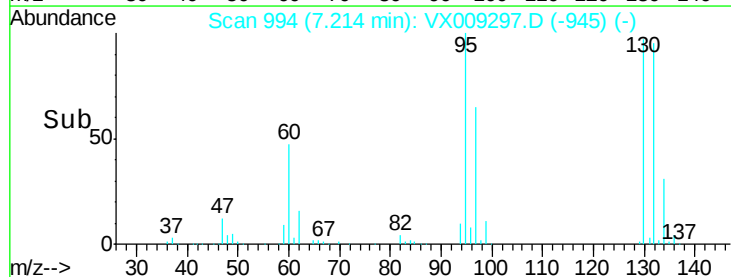
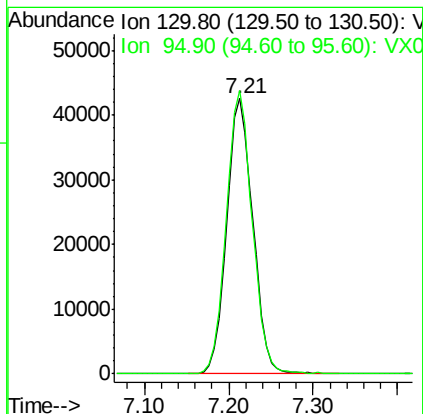
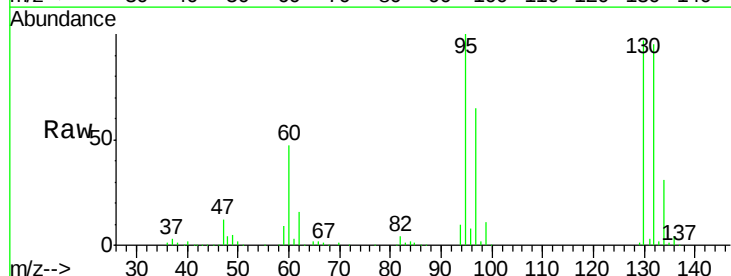
Tot Ion: 43 Resp: 281829
 Ion Ratio Lower Upper
 43 100
 61 18.8 15.1 22.7
 87 11.1 9.0 13.6

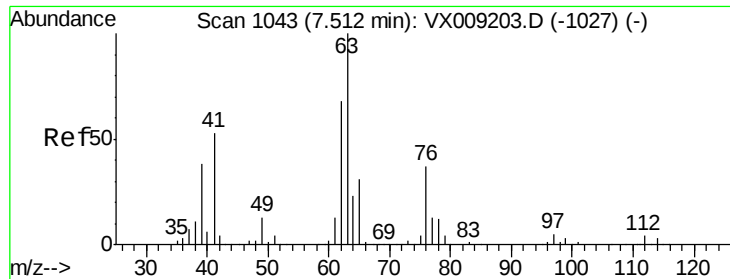


#44

Trichloroethene
 Concen: 47.144 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

Tgt Ion: 130 Resp: 89935
 Ion Ratio Lower Upper
 130 100
 95 102.8 0.0 199.2





#45

1,2-Dichloropropane

Concen: 49.827 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

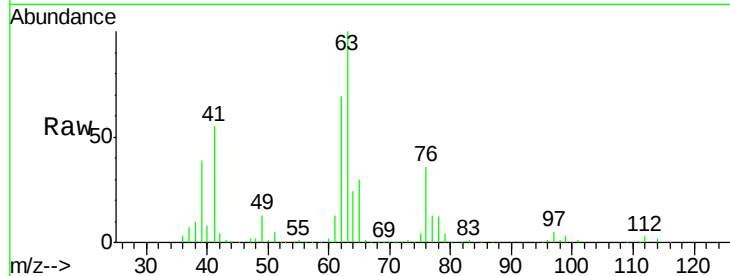
SS050MW641-190429MSD

Tot Ion: 63 Resp: 111334

Ion Ratio Lower Upper

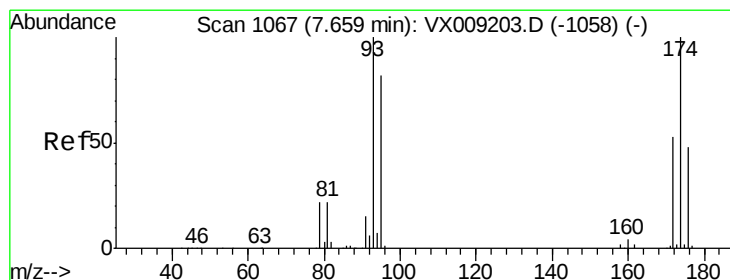
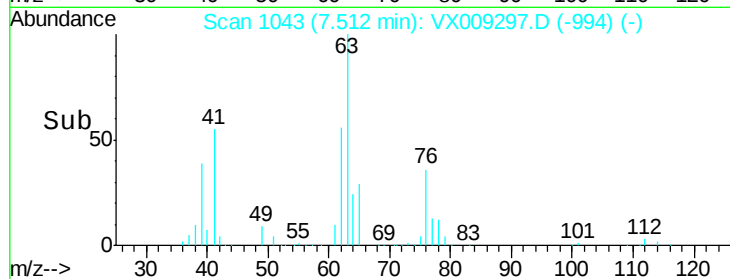
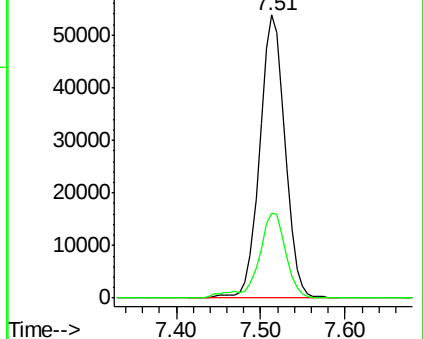
63 100

65 30.2 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.994 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

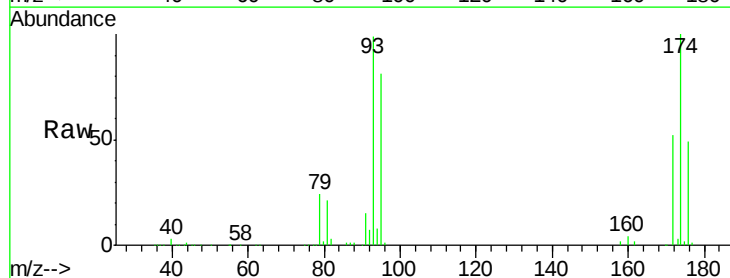
Tgt Ion: 93 Resp: 63572

Ion Ratio Lower Upper

93 100

95 81.3 66.5 99.7

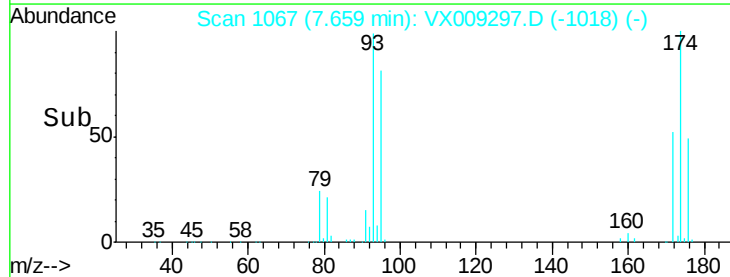
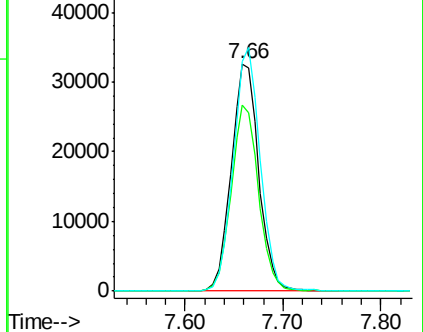
174 104.9 82.1 123.1

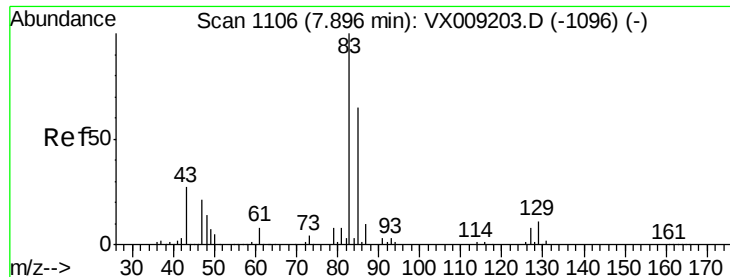


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.570 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429MSD

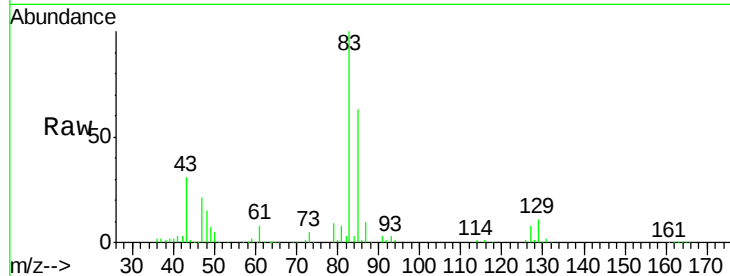
Tot Ion: 83 Resp: 128301

Ion Ratio Lower Upper

83 100

85 62.6 52.4 78.6

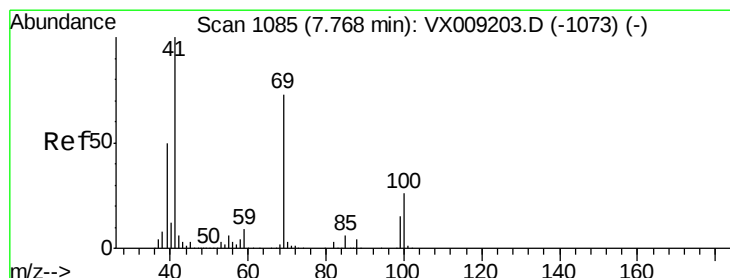
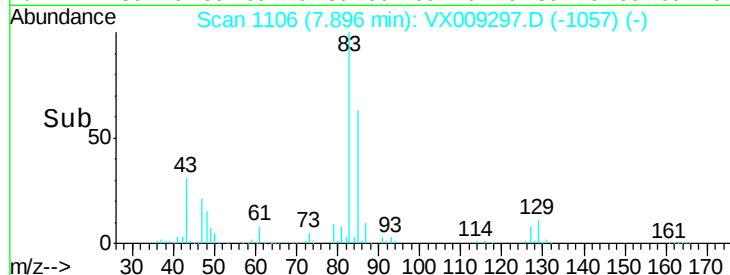
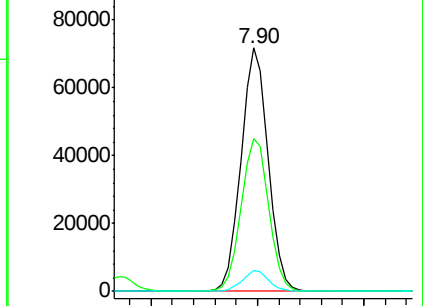
127 8.3 6.6 10.0



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: 51.864 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

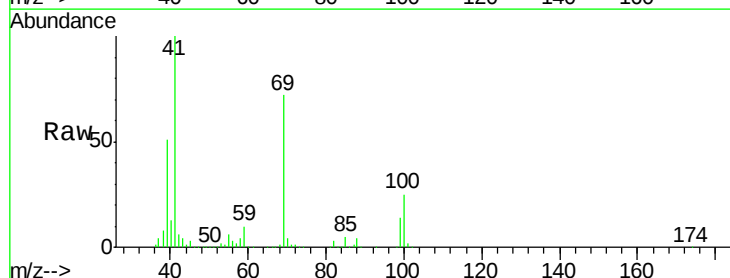
Tgt Ion: 41 Resp: 146218

Ion Ratio Lower Upper

41 100

69 72.0 59.1 88.7

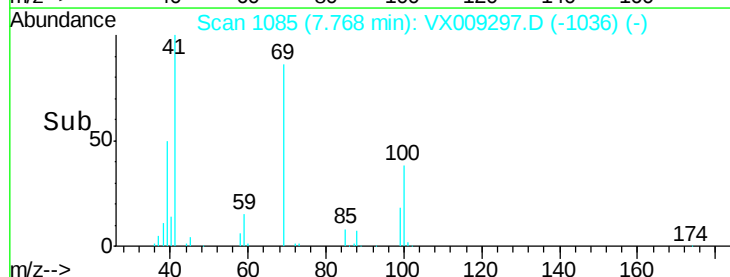
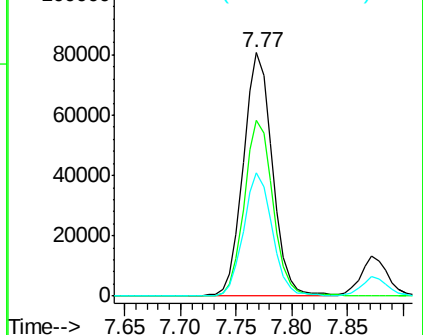
39 49.7 40.4 60.6

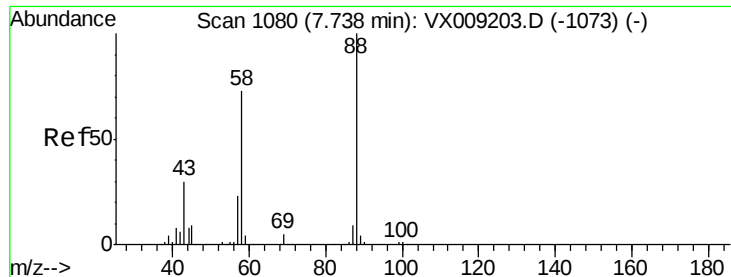


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

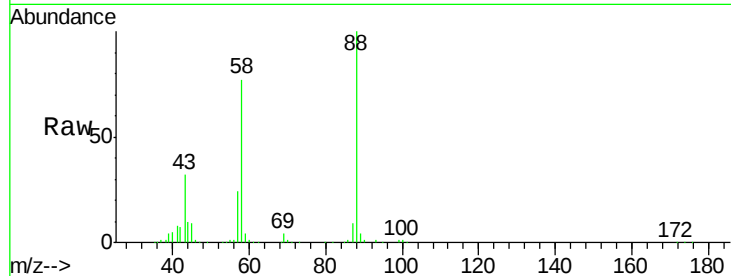




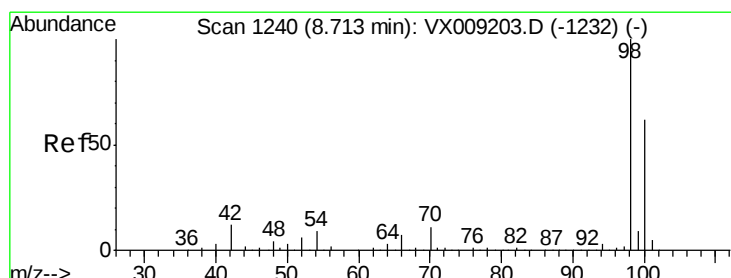
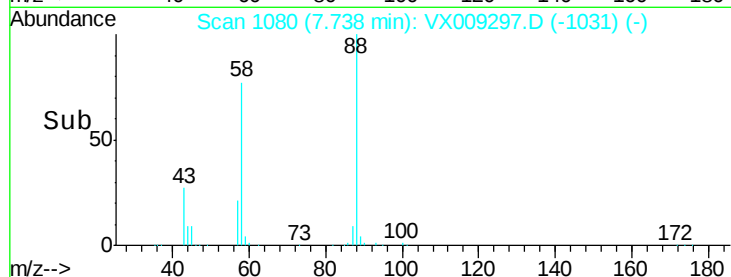
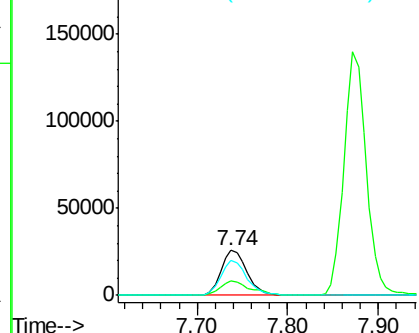
#49
1,4-Dioxane
Concen: 904.419 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190429MSD

Tot Ion: 88 Resp: 51709
Ion Ratio Lower Upper
88 100
43 36.4 28.6 42.8
58 77.7 61.7 92.5

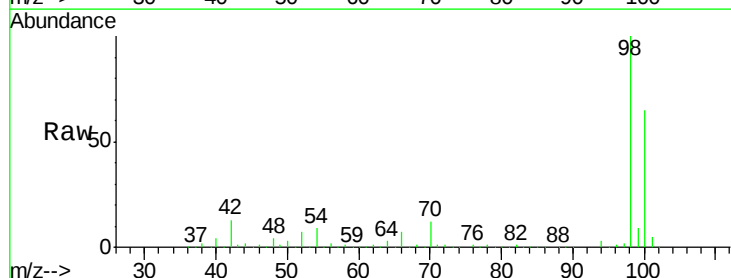


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

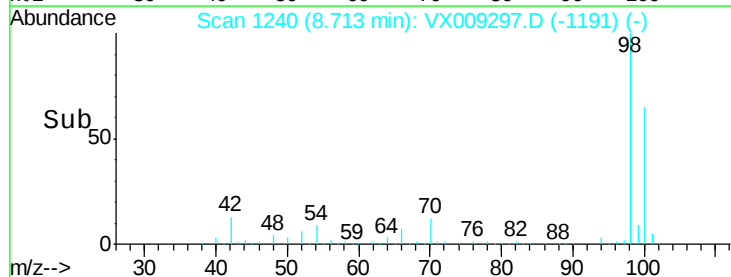
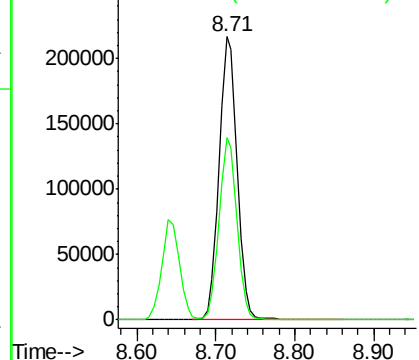


#50
Toluene-d8
Concen: 49.699 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

Tgt Ion: 98 Resp: 346076
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



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

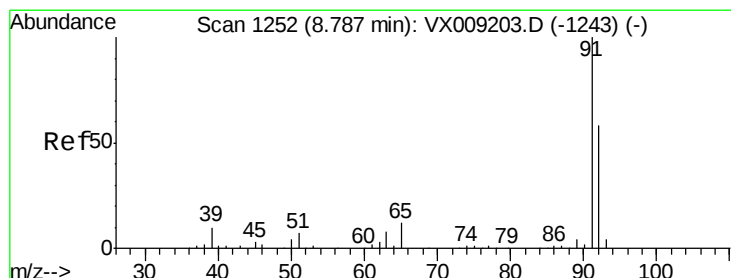
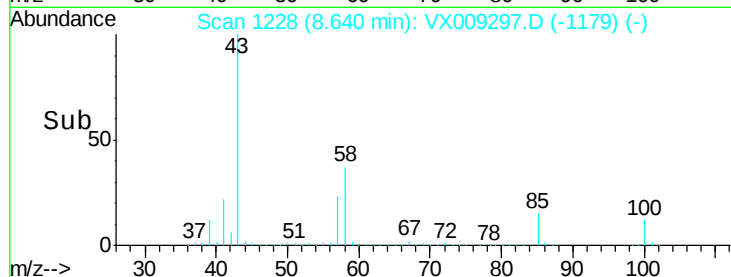
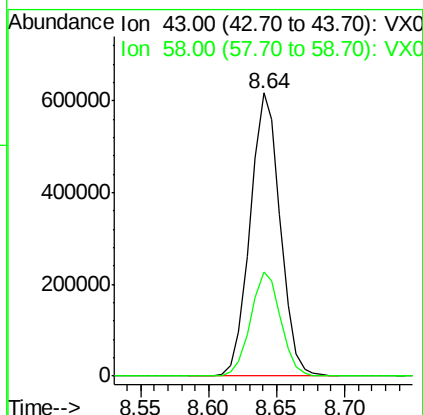
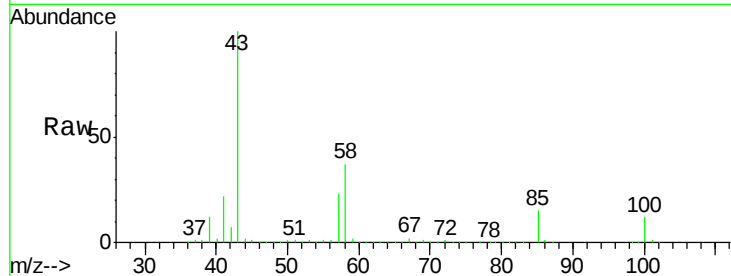




#51
 4-Methyl-2-Pentanone
 Concen: 258.355 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

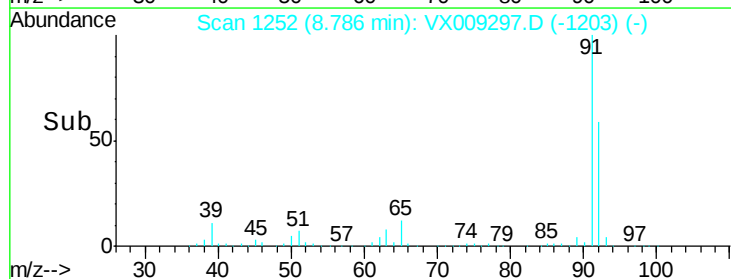
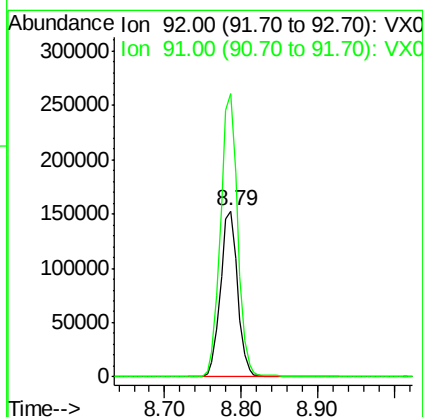
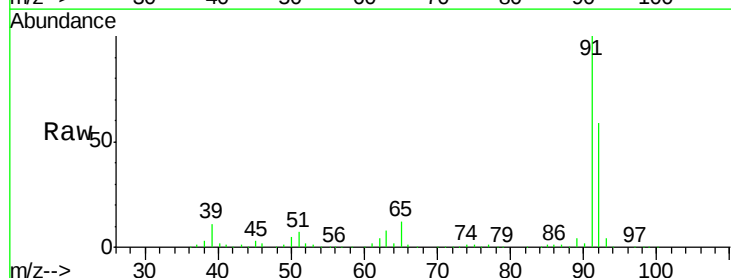
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190429MSD

Tot Ion: 43 Resp: 959587
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.5 44.3



#52
 Toluene
 Concen: 49.397 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

Tgt Ion: 92 Resp: 236945
 Ion Ratio Lower Upper
 92 100
 91 171.2 138.8 208.2

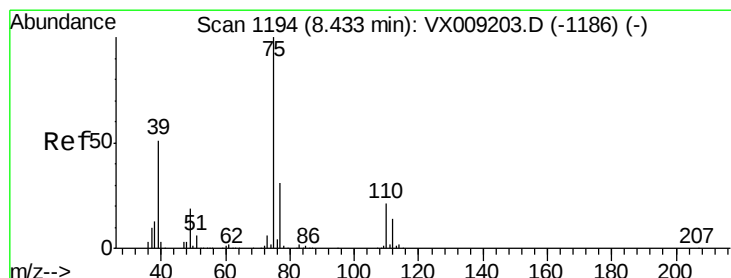
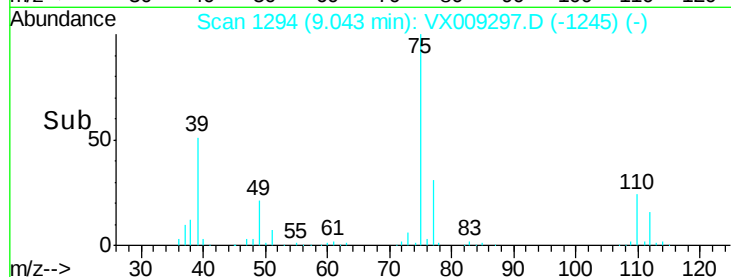
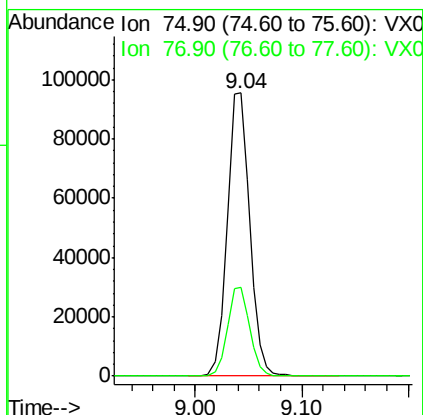
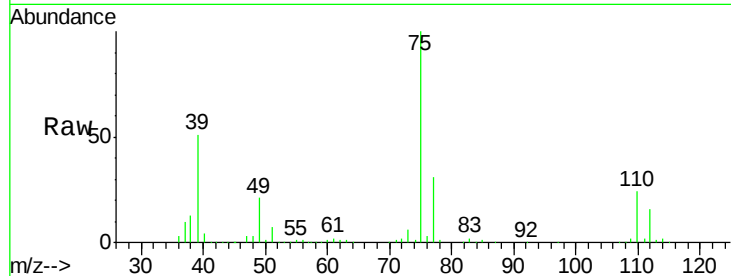




#53
 t-1,3-Dichloropropene
 Concen: 48.476 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

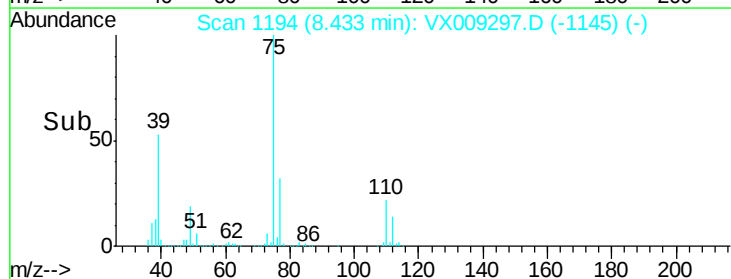
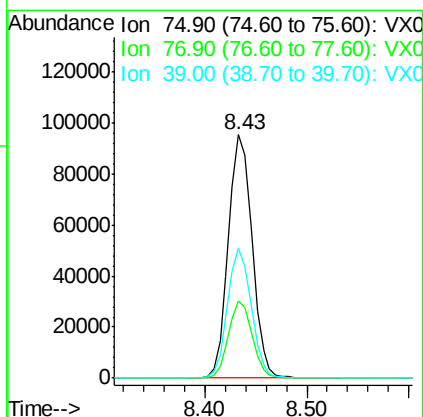
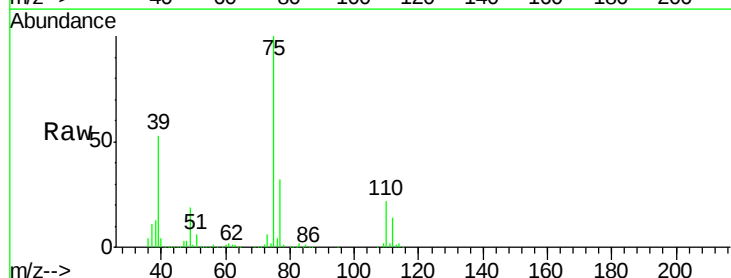
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190429MSD

Tot Ion: 75 Resp: 141656
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 47.570 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

Tgt Ion: 75 Resp: 153862
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.6 36.8
 39 53.0 40.6 60.8





#55

1,1,2-Trichloroethane

Concen: 49.462 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429MSD

Tot Ion: 97 Resp: 96794

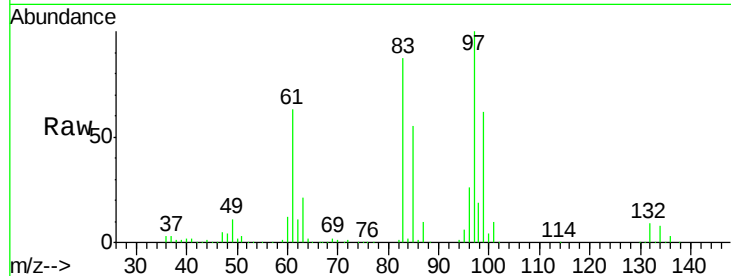
Ion Ratio Lower Upper

97 100

83 87.2 68.9 103.3

85 54.9 43.8 65.6

99 61.9 48.2 72.2

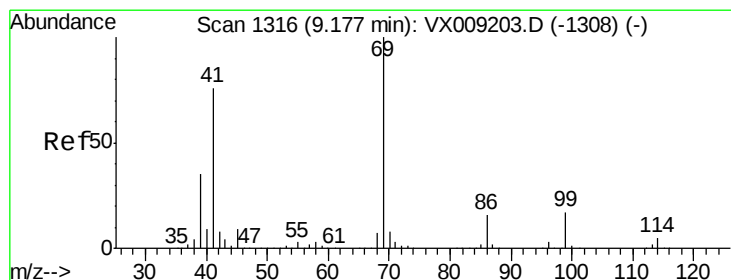
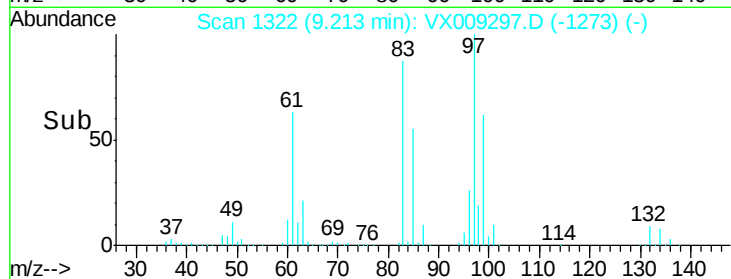
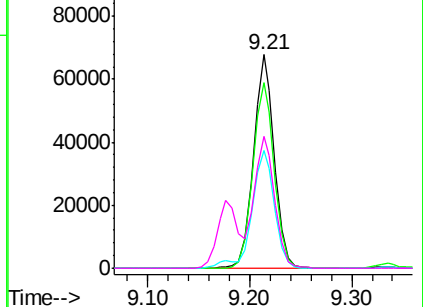


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 50.927 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

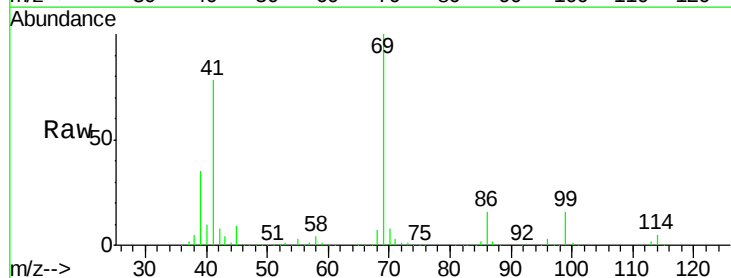
Tgt Ion: 69 Resp: 177901

Ion Ratio Lower Upper

69 100

41 76.7 60.6 90.8

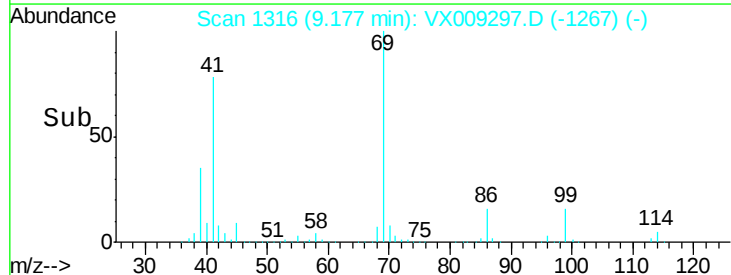
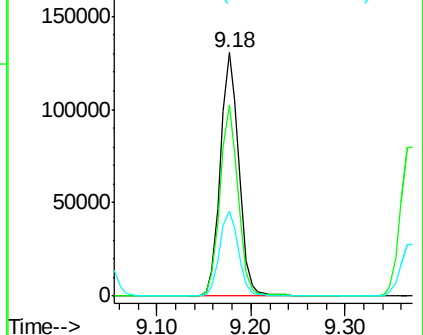
39 35.6 28.2 42.4

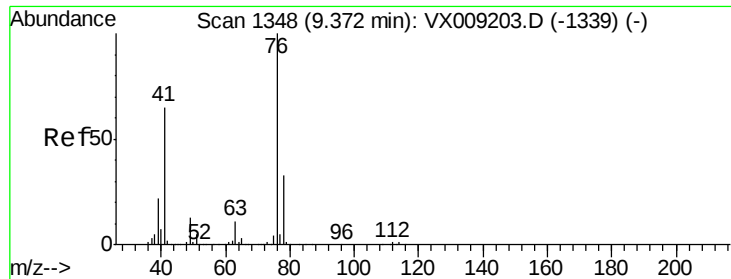


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 49.527 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

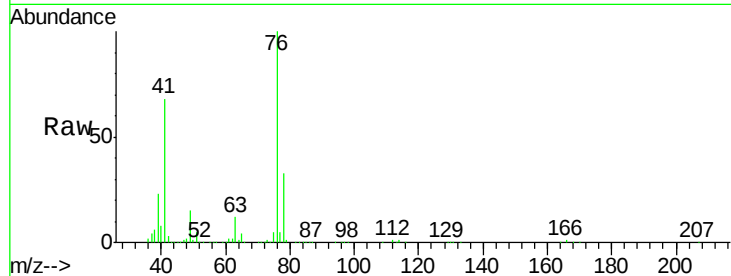
SS050MW641-190429MSD

Tot Ion: 76 Resp: 170557

Ion Ratio Lower Upper

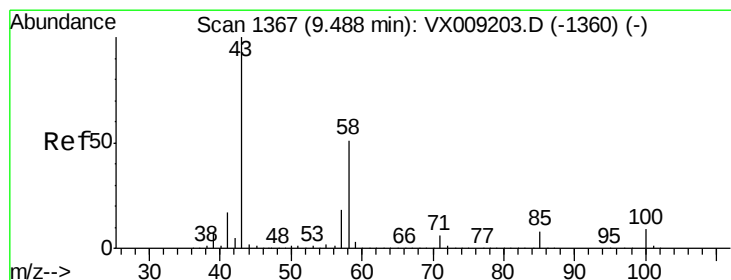
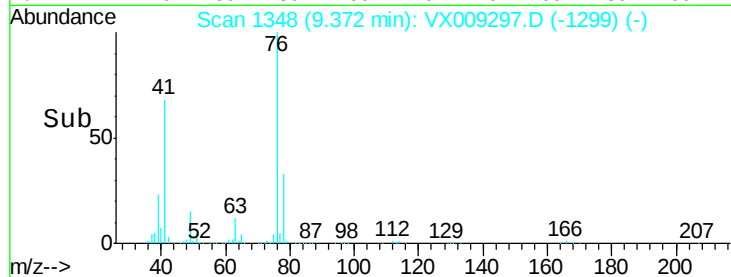
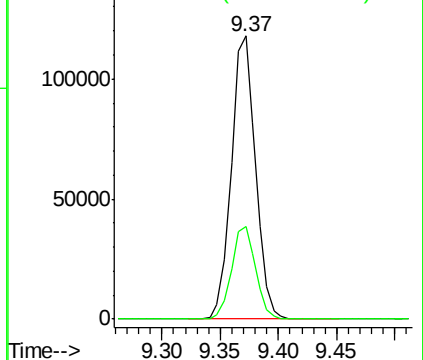
76 100

78 32.5 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: 256.879 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX009297.D

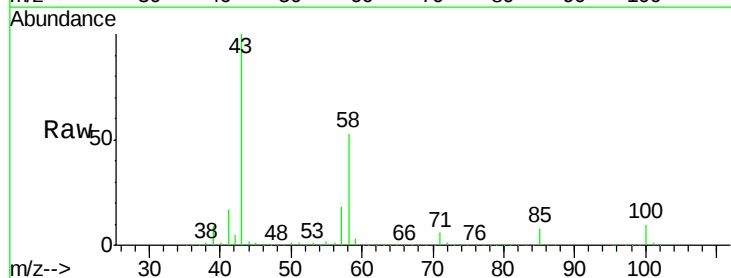
Acq: 03 May 2019 00:40

Tgt Ion: 43 Resp: 749342

Ion Ratio Lower Upper

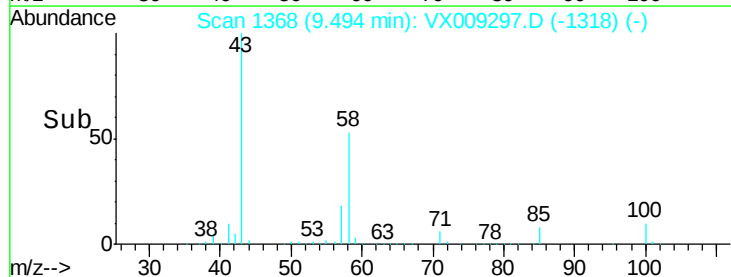
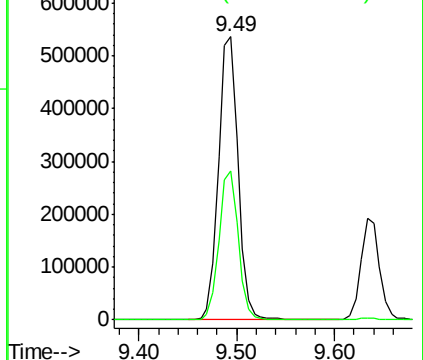
43 100

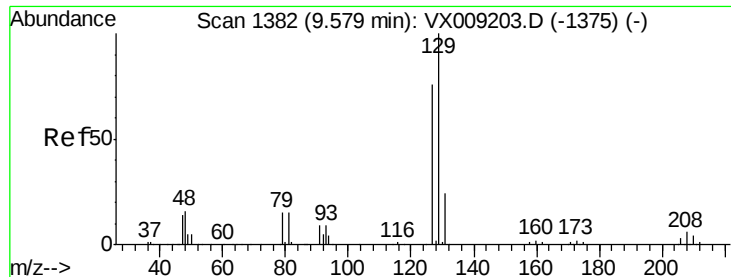
58 51.6 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 51.124 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

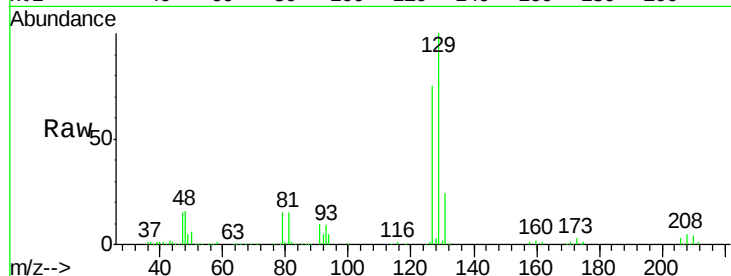
SS050MW641-190429MSD

Tot Ion:129 Resp: 97714

Ion Ratio Lower Upper

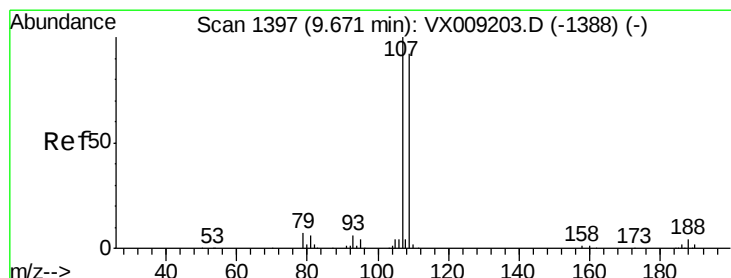
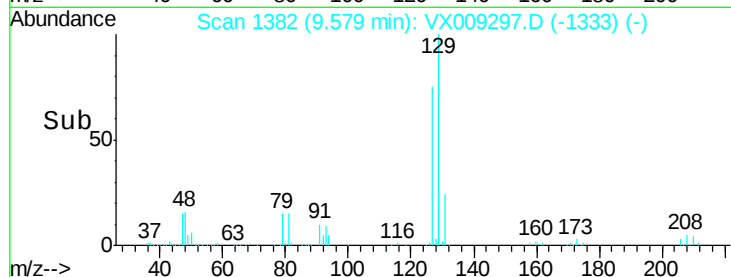
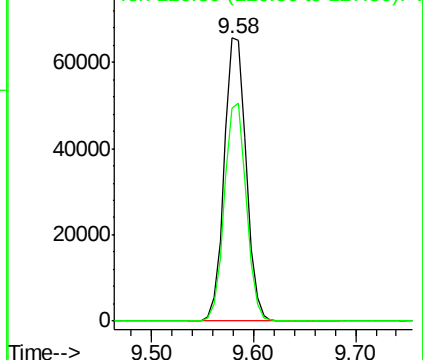
129 100

127 76.6 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 49.846 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009297.D

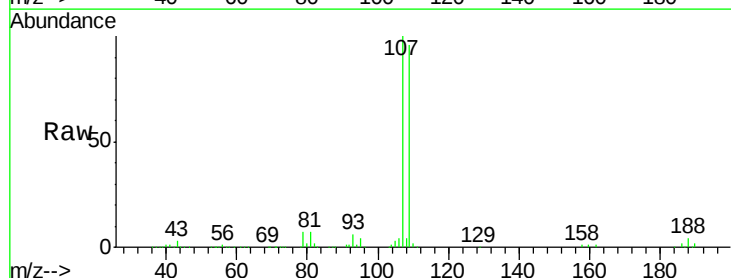
Acq: 03 May 2019 00:40

Tgt Ion:107 Resp: 98465

Ion Ratio Lower Upper

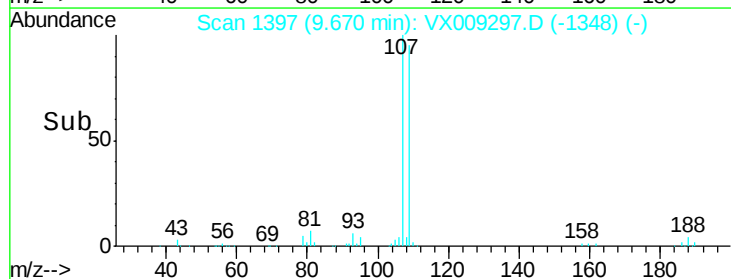
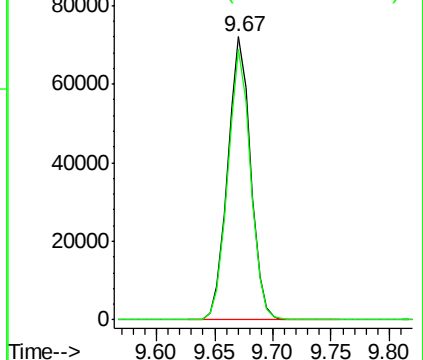
107 100

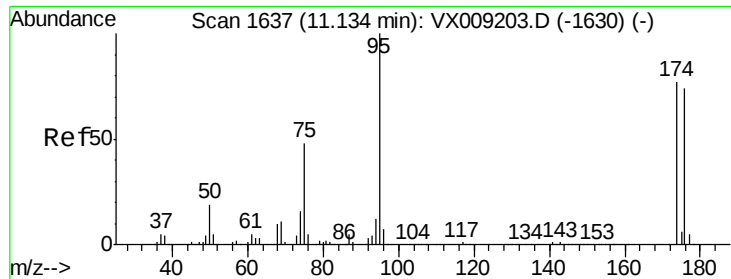
109 95.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 49.582 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429MSD

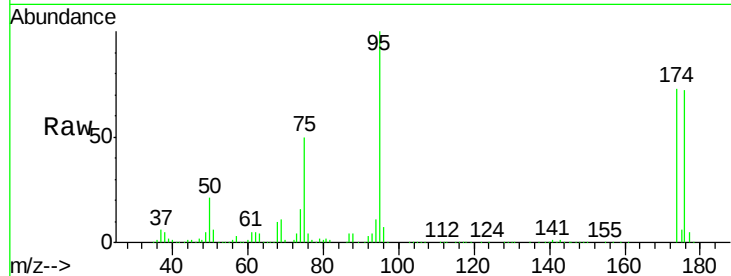
Tot Ion: 95 Resp: 125454

Ion Ratio Lower Upper

95 100

174 80.5 0.0 161.6

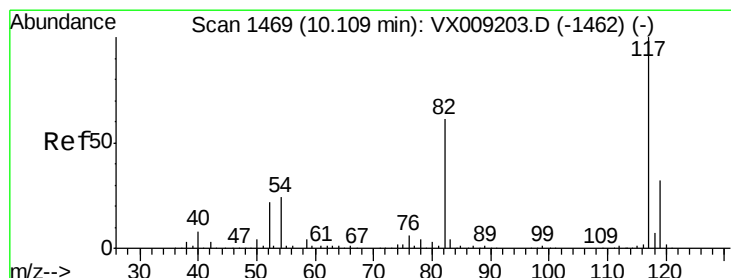
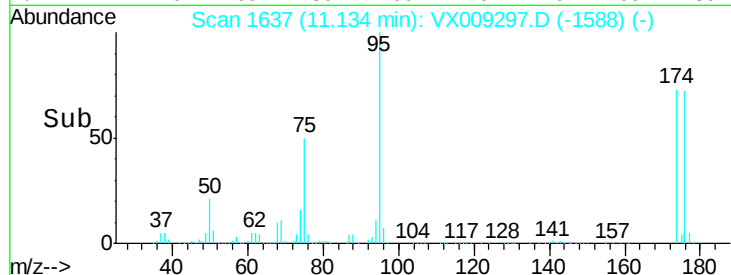
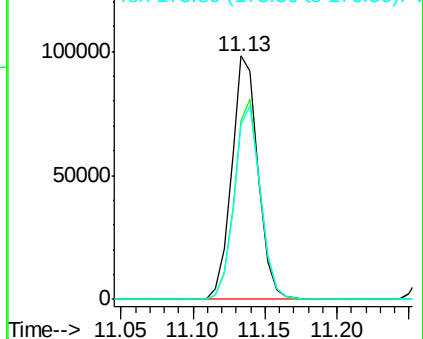
176 78.7 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009297.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009297.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009297.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

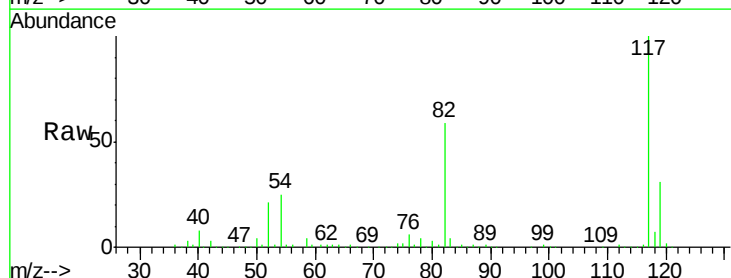
Tgt Ion: 117 Resp: 251207

Ion Ratio Lower Upper

117 100

82 58.7 48.8 73.2

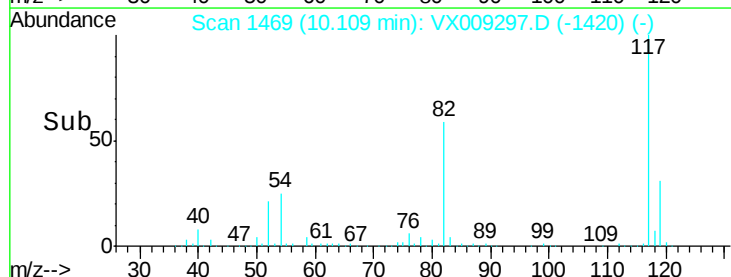
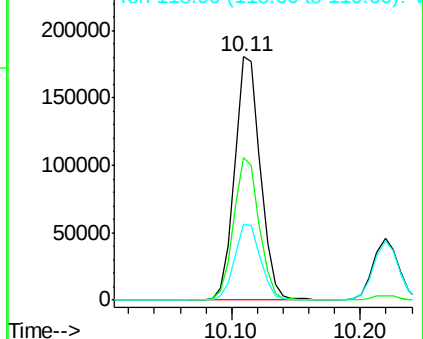
119 31.3 25.8 38.6

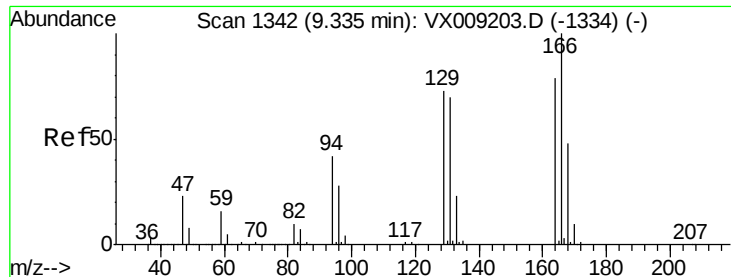


Abundance Ion 116.90 (116.60 to 117.60): VX009297.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009297.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009297.D (-1420) (-)





#64

Tetrachloroethene

Concen: 46.370 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429MSD

Tot Ion:164 Resp: 79903

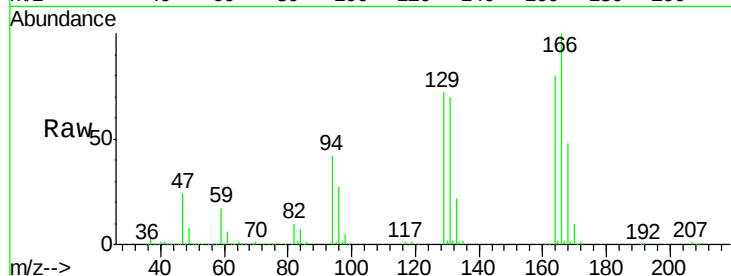
Ion Ratio Lower Upper

164 100

166 124.5 101.2 151.8

129 90.0 74.3 111.5

131 86.9 71.0 106.6

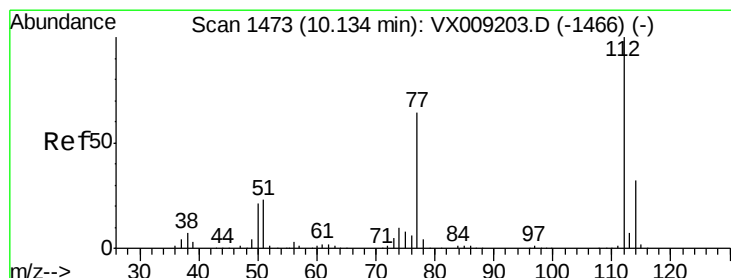
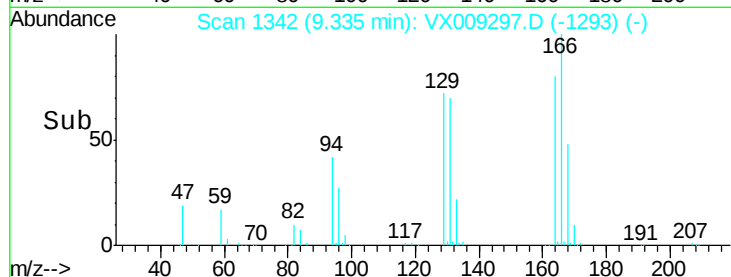
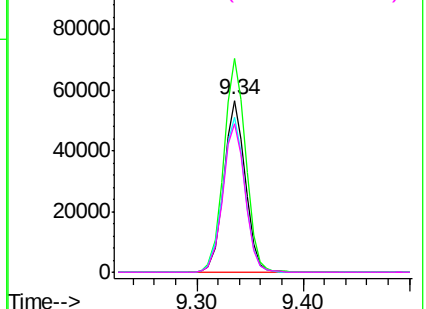


Abundance Ion 163.80 (163.50 to 164.50): V

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: 48.371 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009297.D

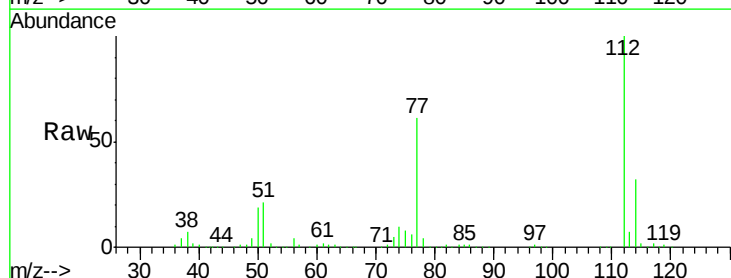
Acq: 03 May 2019 00:40

Tgt Ion:112 Resp: 243077

Ion Ratio Lower Upper

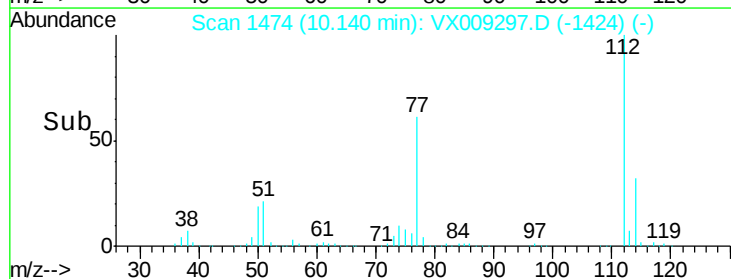
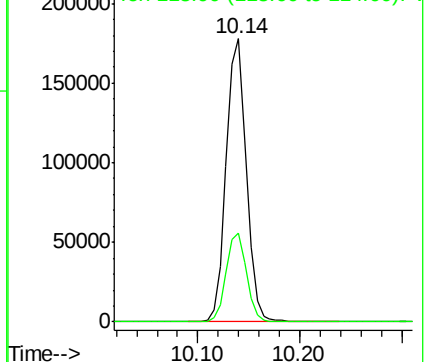
112 100

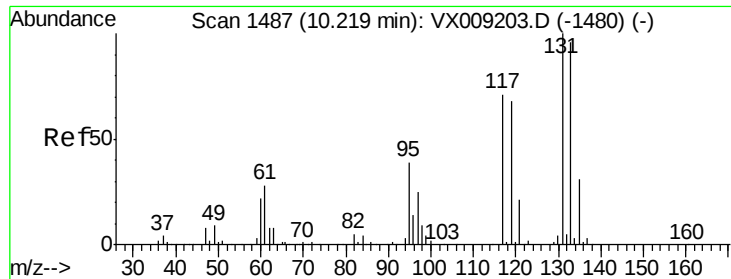
114 31.6 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

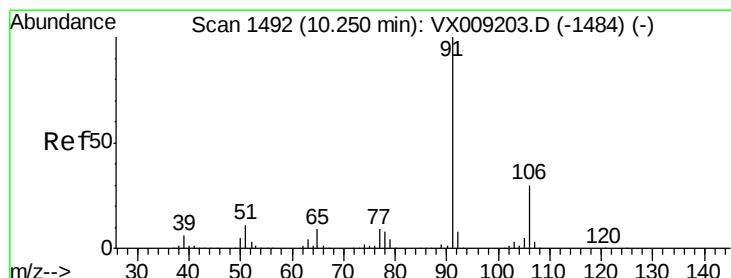
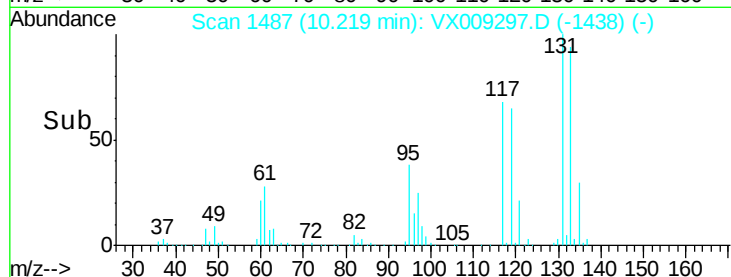
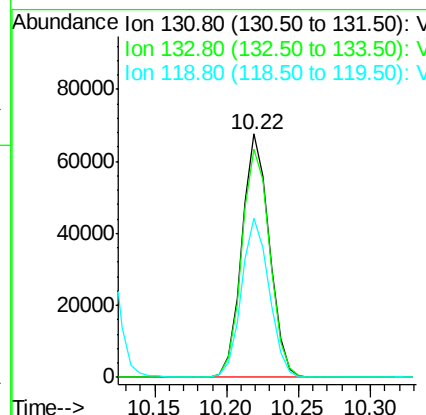
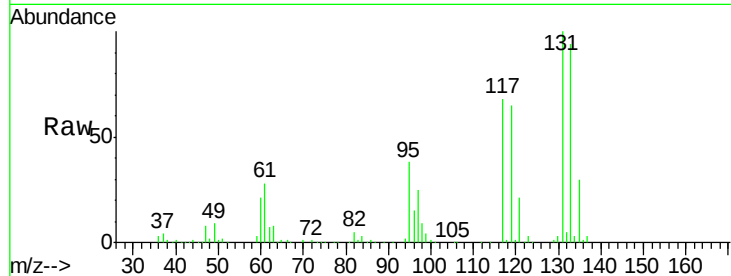




#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.290 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

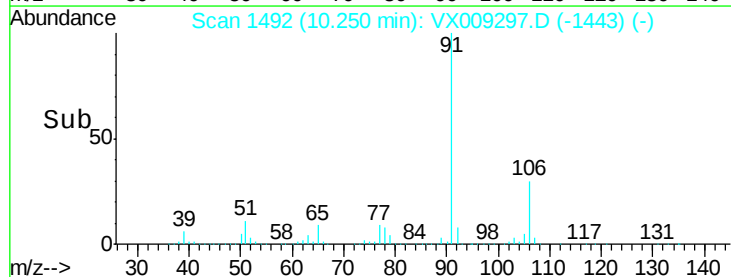
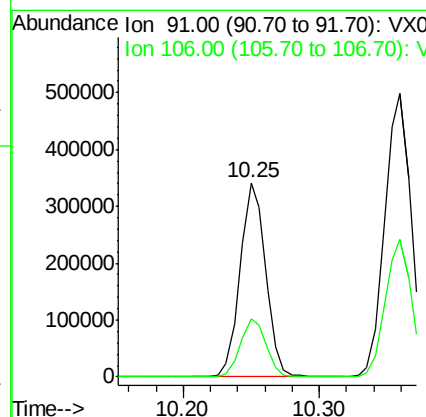
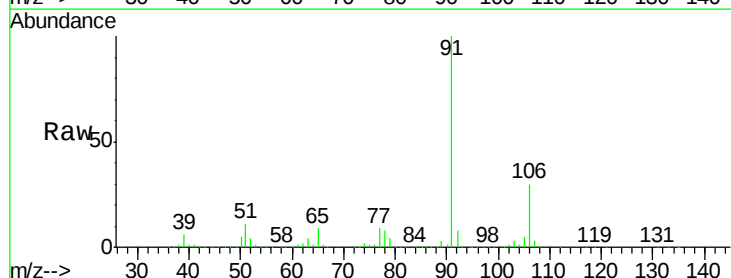
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190429MSD

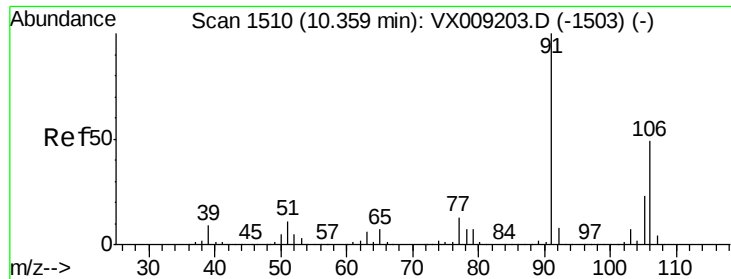
Tot Ion:131 Resp: 89800
 Ion Ratio Lower Upper
 131 100
 133 95.9 47.7 143.1
 119 65.7 33.5 100.4



#67
 Ethyl Benzene
 Concen: 48.403 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

Tgt Ion: 91 Resp: 447652
 Ion Ratio Lower Upper
 91 100
 106 30.1 24.0 36.0

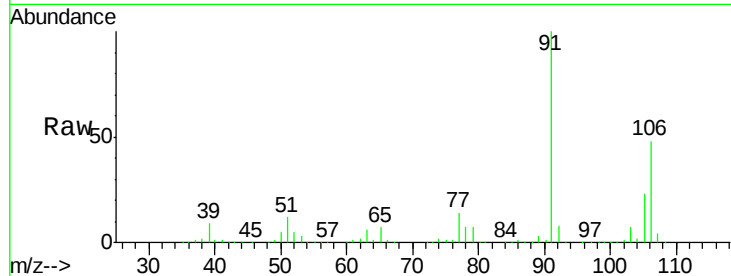




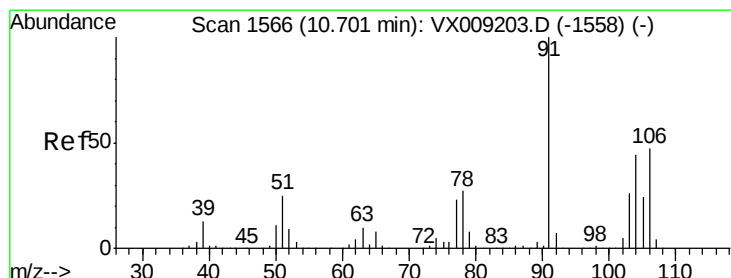
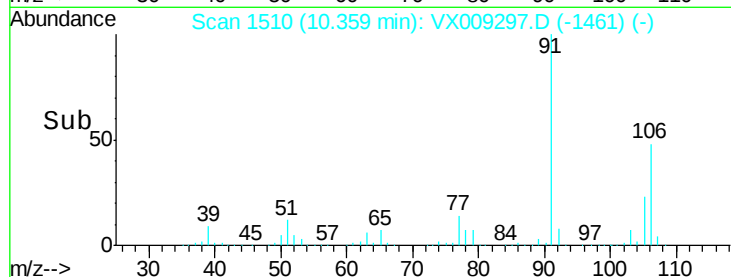
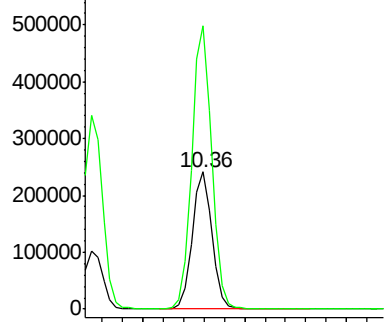
#68
m/p-Xylenes
Concen: 96.338 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190429MSD

Tot Ion:106 Resp: 325589
Ion Ratio Lower Upper
106 100
91 207.9 164.0 246.0

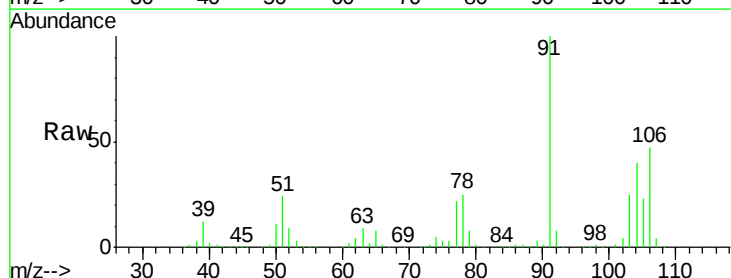


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

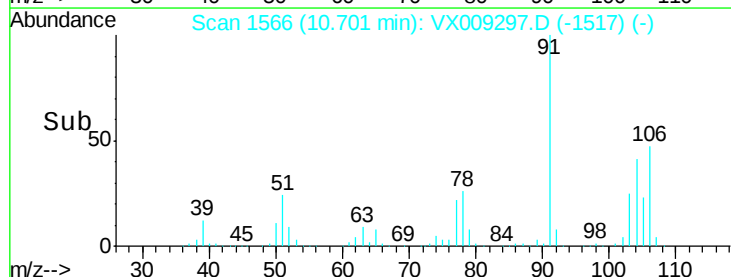
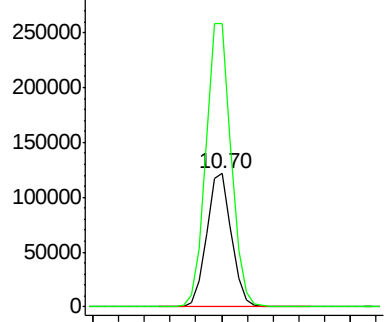


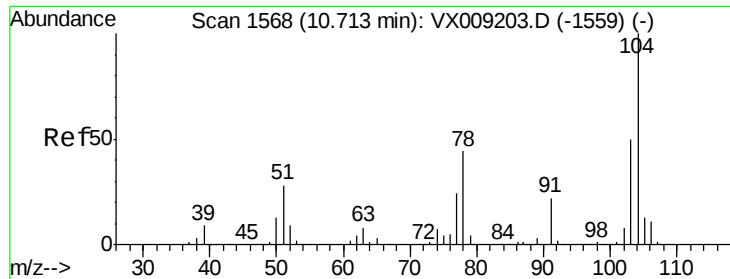
#69
o-Xylene
Concen: 48.715 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

Tgt Ion:106 Resp: 162443
Ion Ratio Lower Upper
106 100
91 216.5 109.5 328.4



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

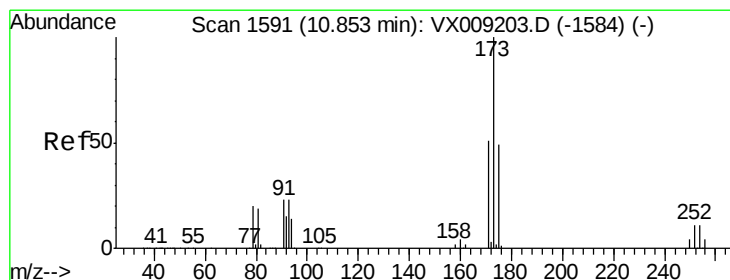
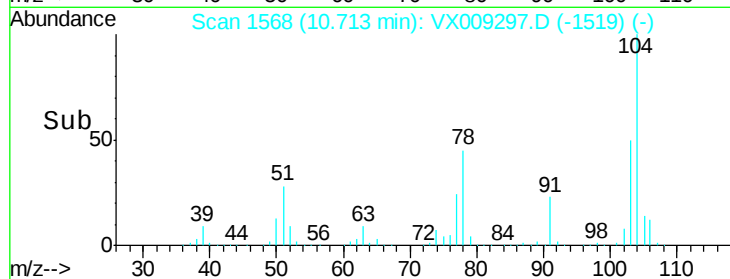
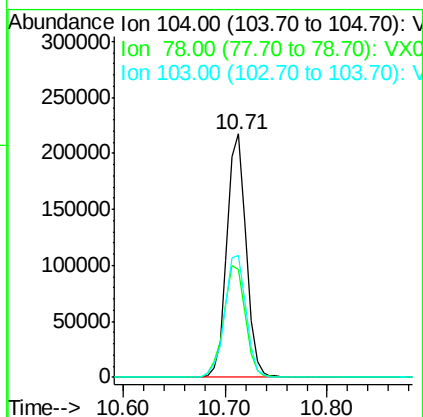
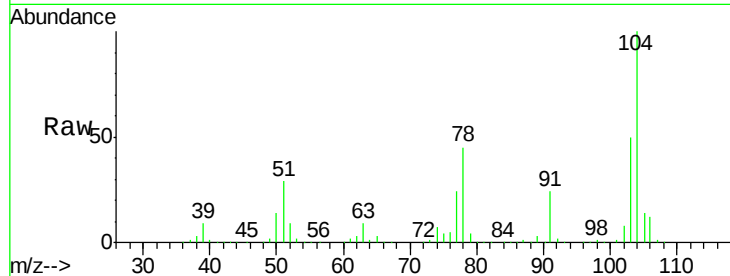




#70
Stvrene
Concen: 48.875 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

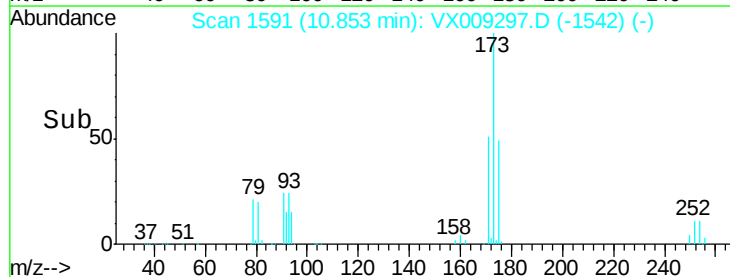
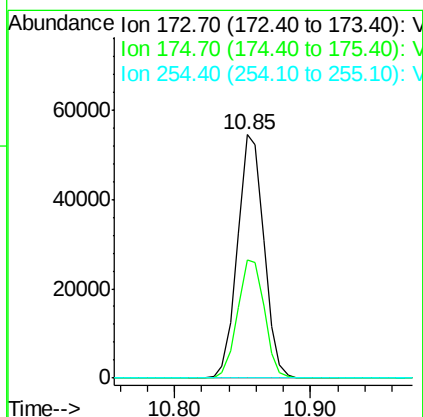
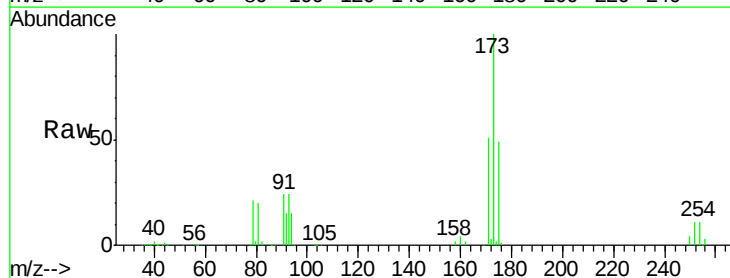
Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190429MSD

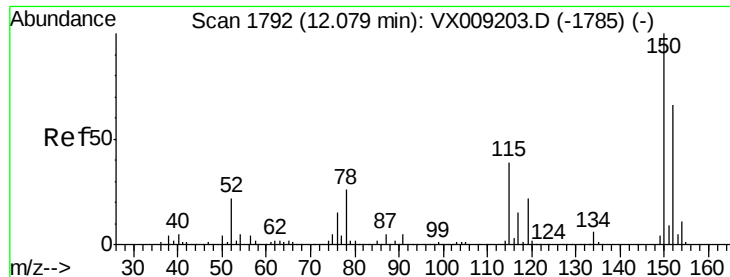
Tot Ion:104 Resp: 283264
Ion Ratio Lower Upper
104 100
78 52.1 41.0 61.4
103 55.7 43.8 65.6



#71
Bromoform
Concen: 49.778 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

Tgt Ion:173 Resp: 73698
Ion Ratio Lower Upper
173 100
175 49.4 24.5 73.5
254 0.2 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429MSD

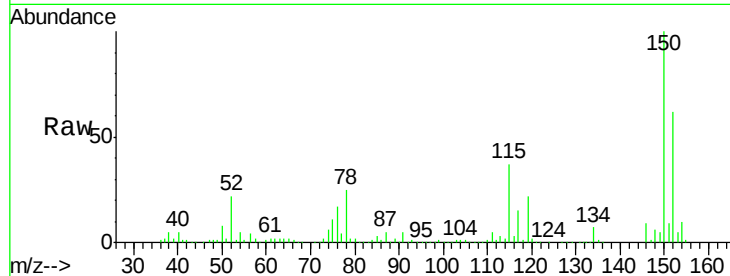
Tot Ion:152 Resp: 119612

Ion Ratio Lower Upper

152 100

115 81.8 41.2 123.6

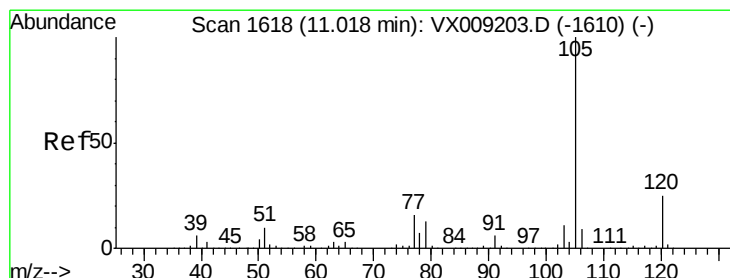
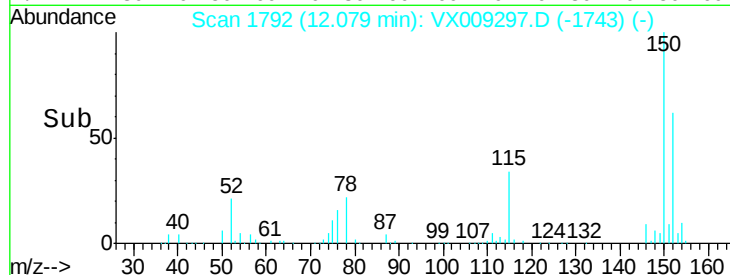
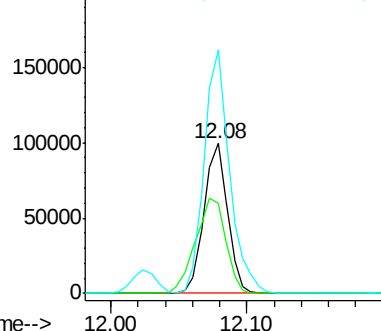
150 176.3 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 48.970 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009297.D

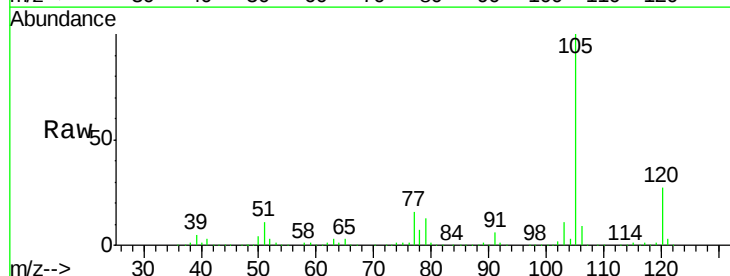
Acq: 03 May 2019 00:40

Tgt Ion:105 Resp: 425941

Ion Ratio Lower Upper

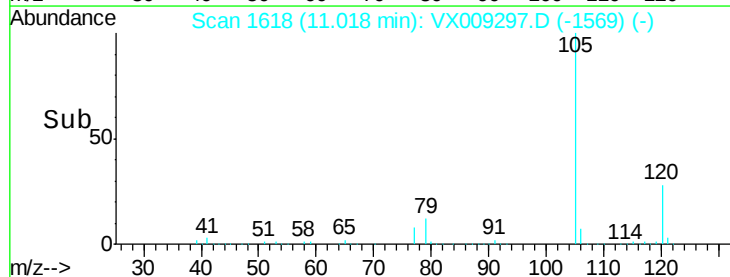
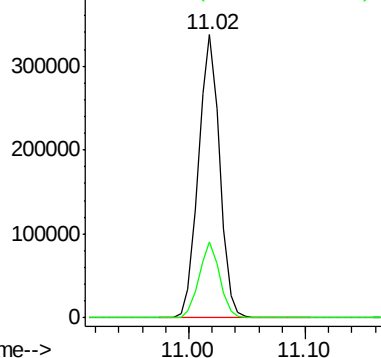
105 100

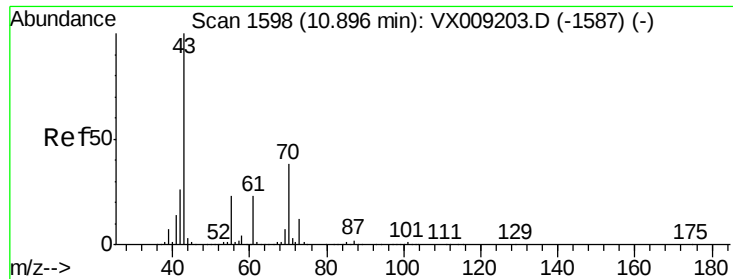
120 26.1 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 49.717 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

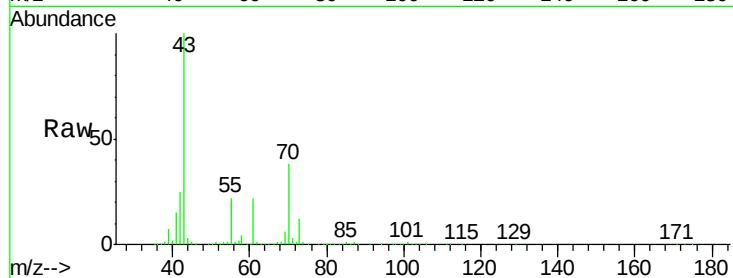
MSVOA_X

ClientSampleId :

SS050MW641-190429MSD

Tot Ion: 43 Resp: 252118

Ion	Ratio	Lower	Upper
43	100		
70	37.2	30.0	45.0
55	22.5	17.9	26.9
61	22.7	18.4	27.6

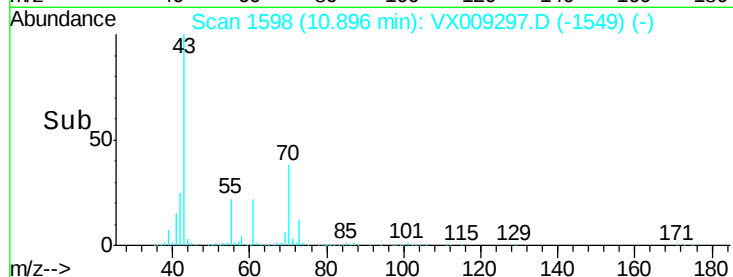


Abundance Ion 43.00 (42.70 to 43.70): VX0

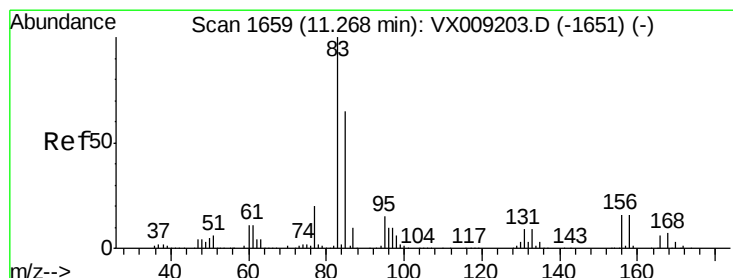
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 51.512 ug/l

RT: 11.27 min Scan# 1659

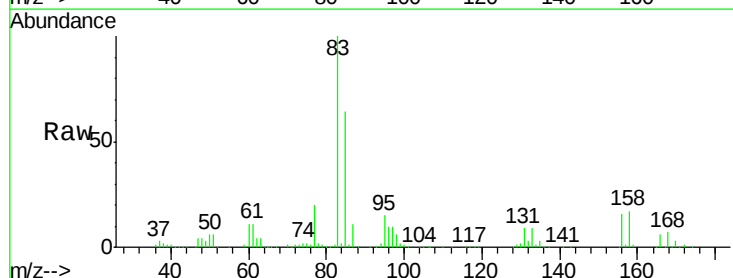
Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Tgt Ion: 83 Resp: 167028

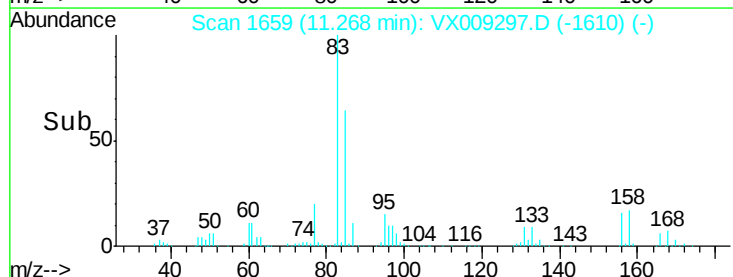
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.6	13.8
85	63.7	32.0	96.2



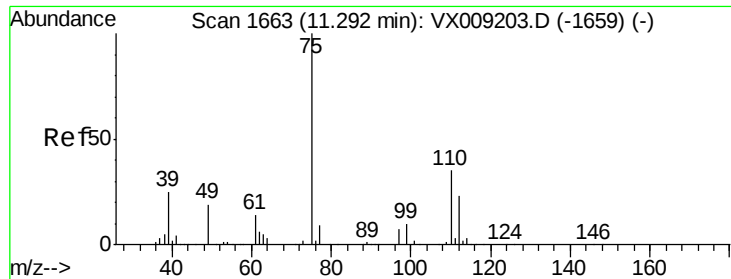
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



Time-->



#76

1,2,3-Trichloropropane

Concen: 67.377 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

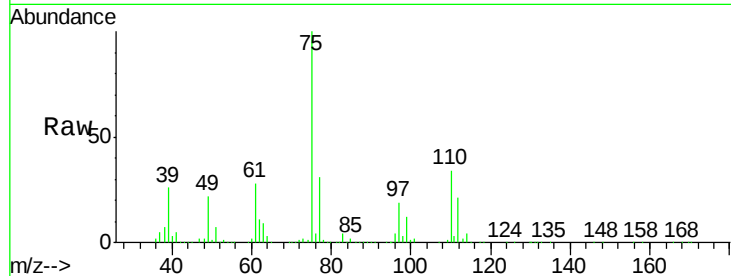
SS050MW641-190429MSD

Tot Ion: 75 Resp: 186943

Ion Ratio Lower Upper

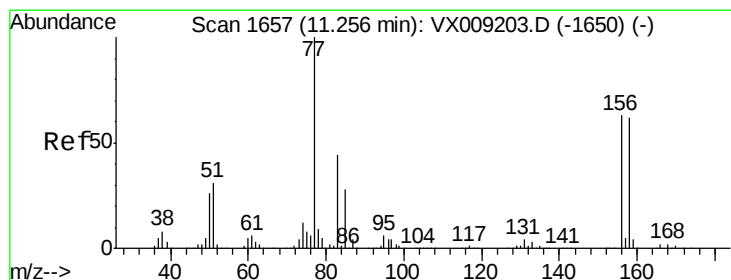
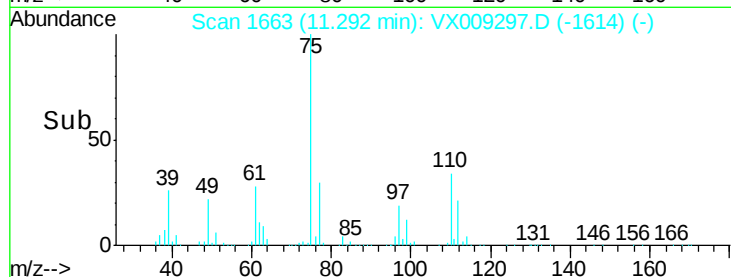
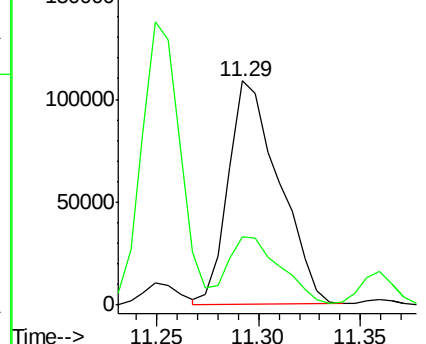
75 100

77 32.3 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: 49.365 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

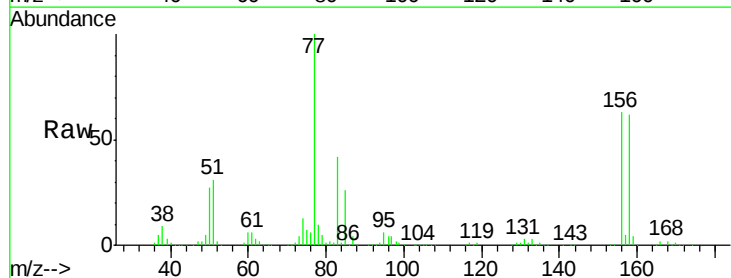
Tgt Ion: 156 Resp: 106573

Ion Ratio Lower Upper

156 100

77 168.7 84.8 254.3

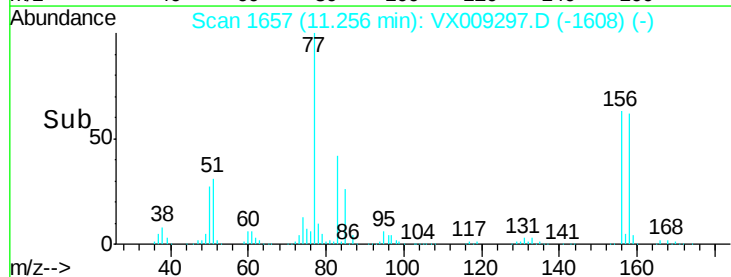
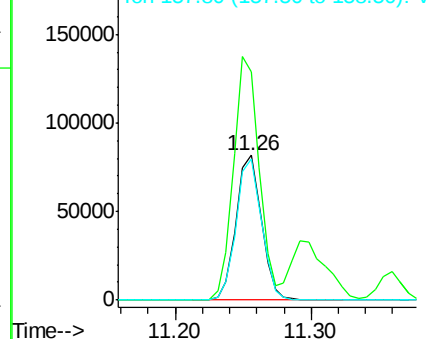
158 97.4 49.1 147.3

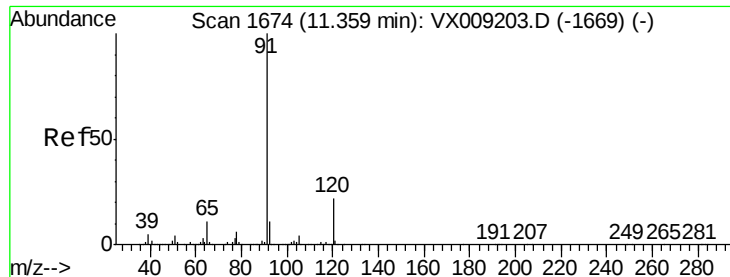


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 49.183 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

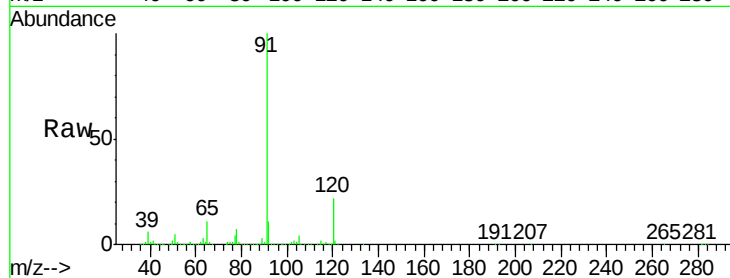
SS050MW641-190429MSD

Tot Ion: 91 Resp: 488568

Ion Ratio Lower Upper

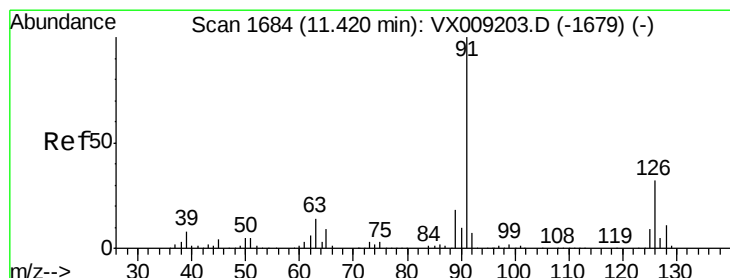
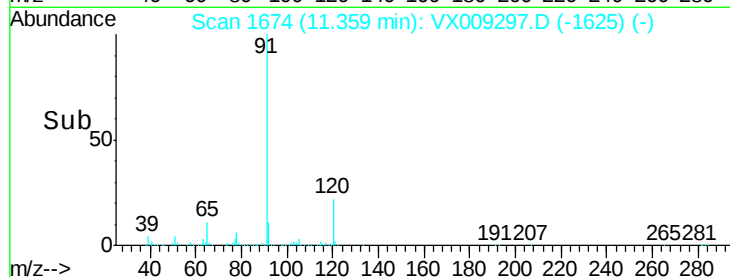
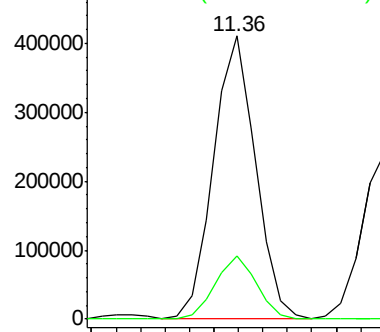
91 100

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



#79

2-Chlorotoluene

Concen: 48.075 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009297.D

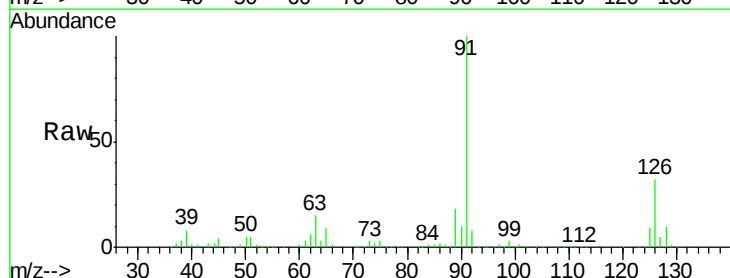
Acq: 03 May 2019 00:40

Tgt Ion: 91 Resp: 294627

Ion Ratio Lower Upper

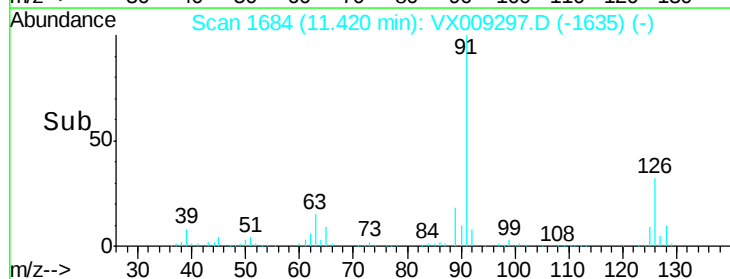
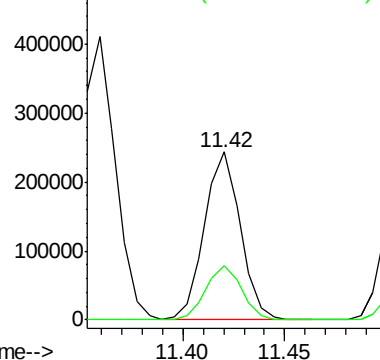
91 100

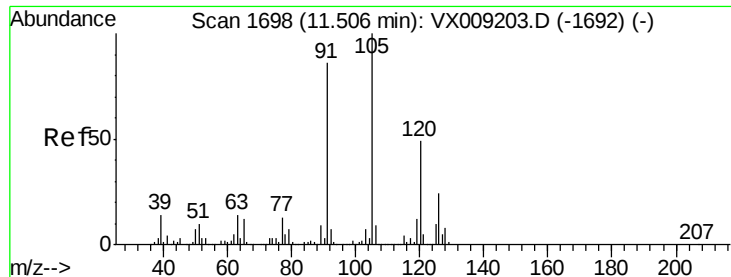
126 32.7 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 49.448 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

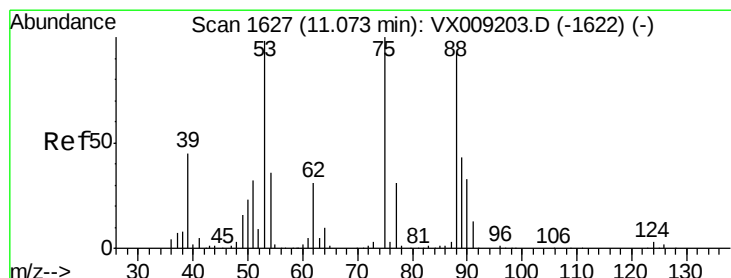
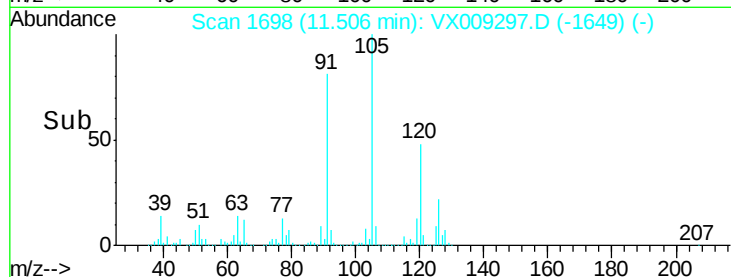
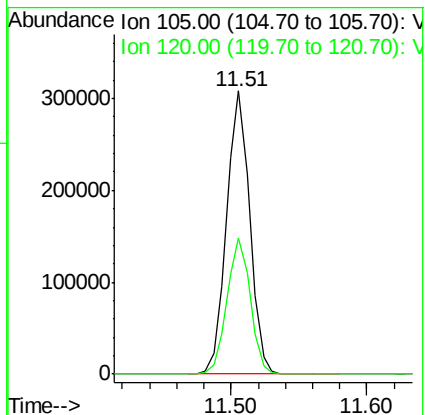
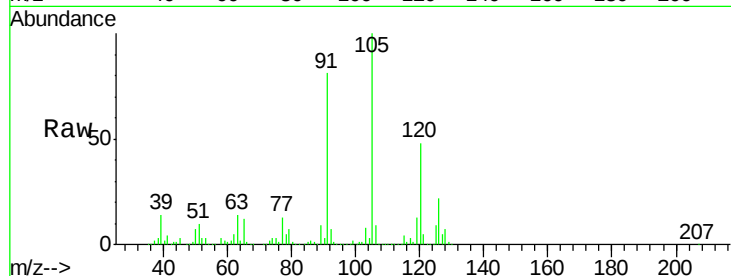
SS050MW641-190429MSD

Tot Ion:105 Resp: 362148

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 45.674 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

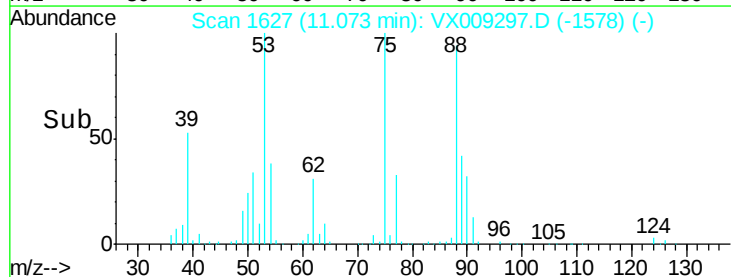
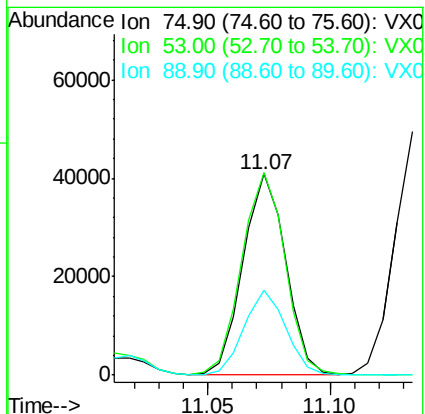
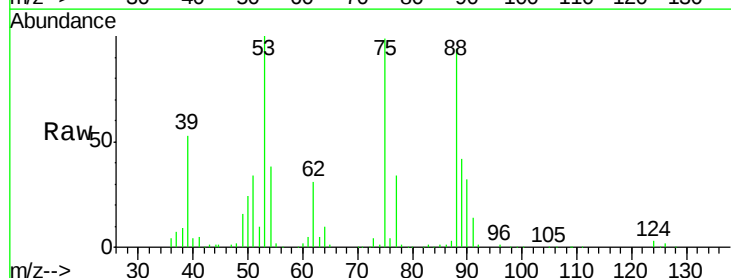
Tgt Ion: 75 Resp: 49529

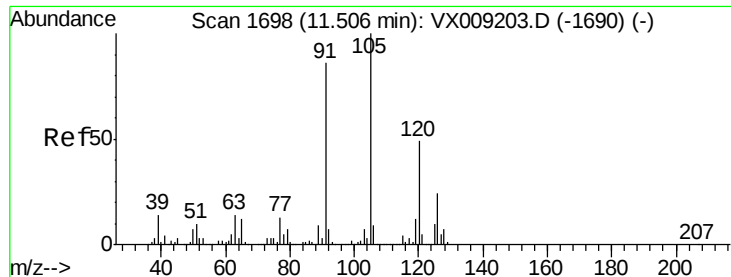
Ion Ratio Lower Upper

75 100

53 101.7 79.0 118.6

89 41.6 34.7 52.1

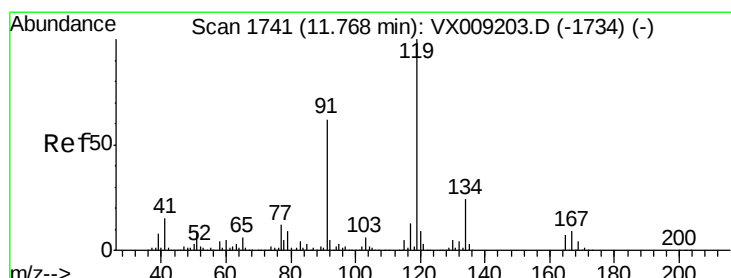
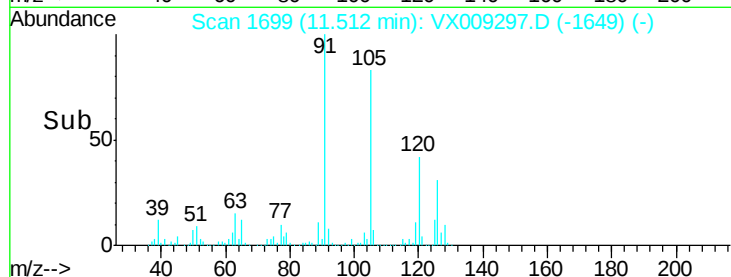
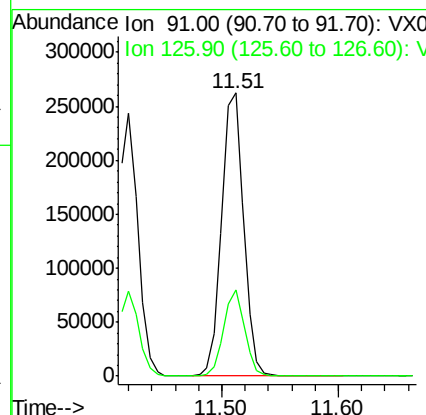
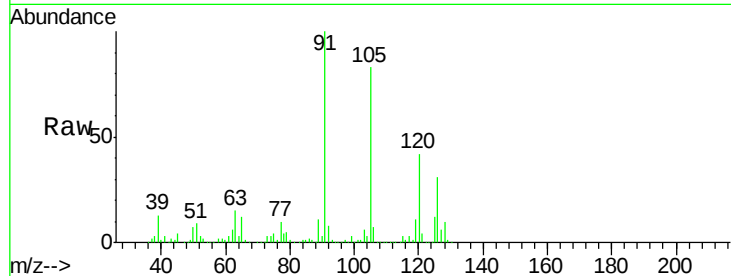




#82
4-Chlorotoluene
Concen: 49.091 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

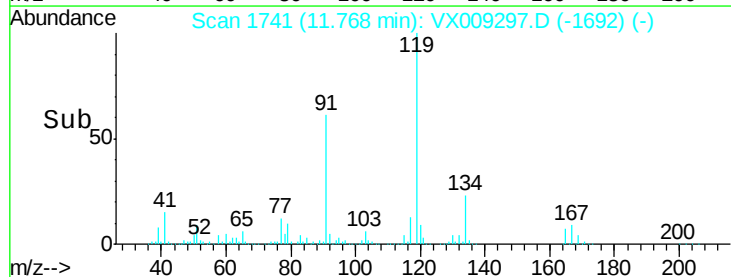
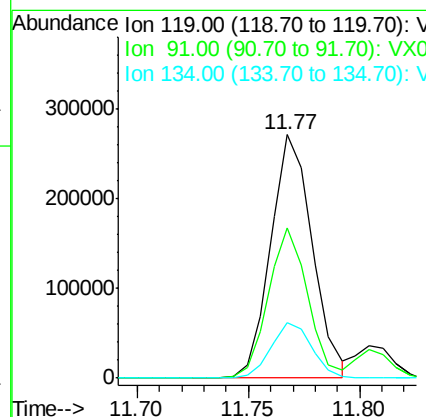
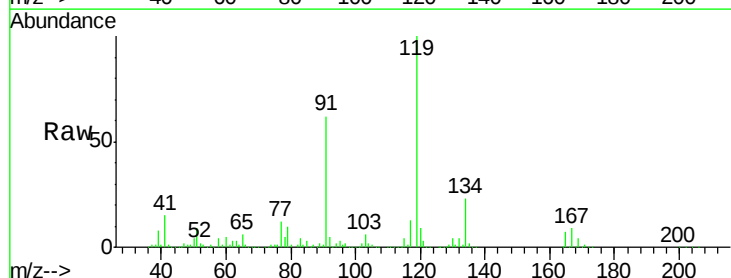
Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190429MSD

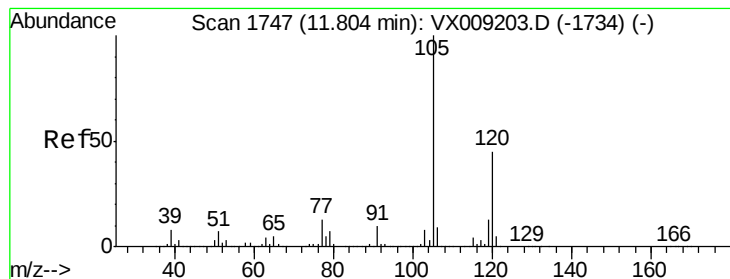
Tot Ion: 91 Resp: 339880
Ion Ratio Lower Upper
91 100
126 29.2 14.5 43.6



#83
tert-Butylbenzene
Concen: 49.451 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009297.D
Acq: 03 May 2019 00:40

Tgt Ion: 119 Resp: 352318
Ion Ratio Lower Upper
119 100
91 58.3 29.5 88.5
134 22.3 11.4 34.1





#84

1,2,4-Trimethylbenzene

Concen: 50.009 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

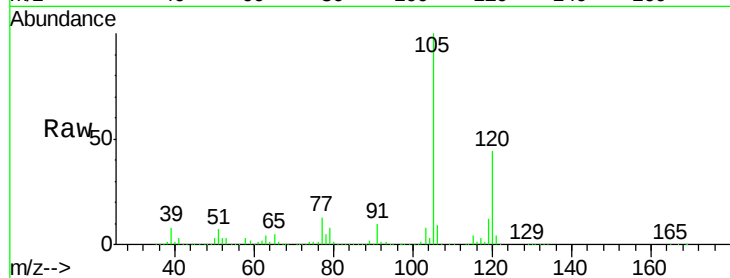
SS050MW641-190429MSD

Tot Ion:105 Resp: 367625

Ion Ratio Lower Upper

105 100

120 43.4 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

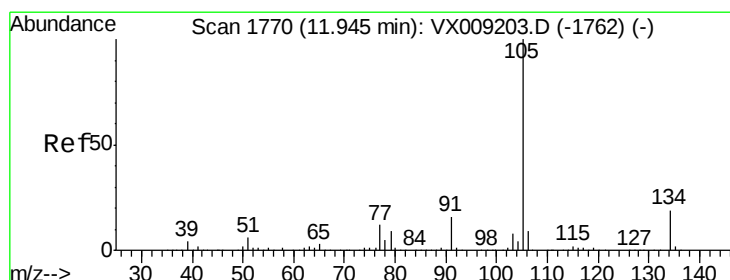
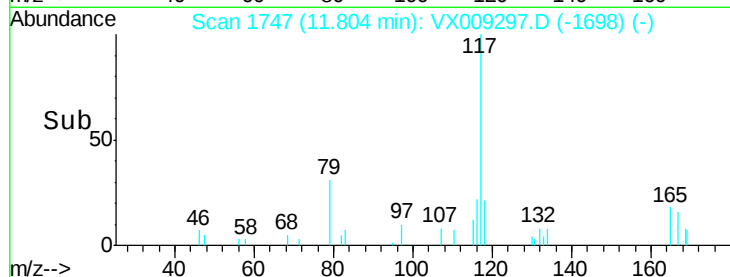
200000

100000

0

11.70 11.80 11.90

Time-->



#85

sec-Butylbenzene

Concen: 48.639 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009297.D

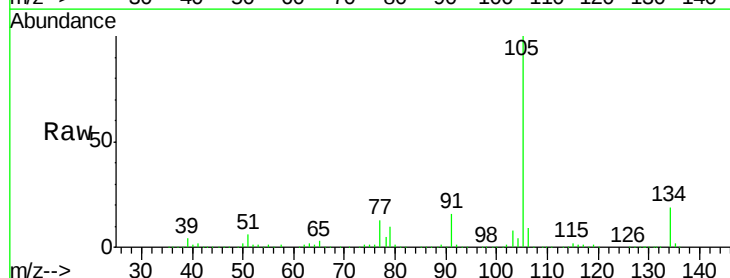
Acq: 03 May 2019 00:40

Tgt Ion:105 Resp: 410838

Ion Ratio Lower Upper

105 100

134 19.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

400000

300000

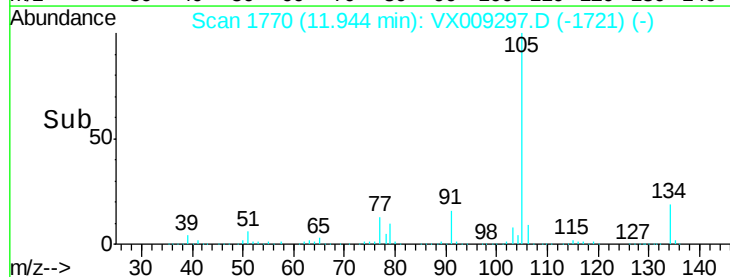
200000

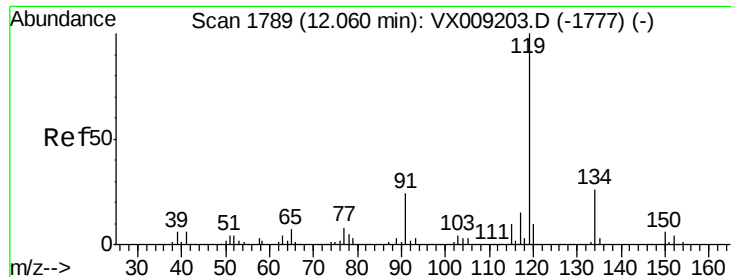
100000

0

11.85 11.90 11.95 12.00

Time-->





#86

p-Isopropyltoluene

Concen: 49.321 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429MSD

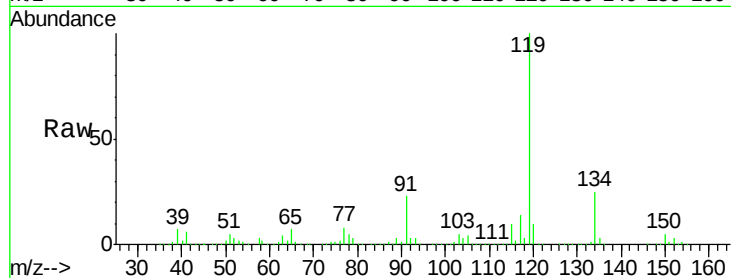
Tot Ion:119 Resp: 374520

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

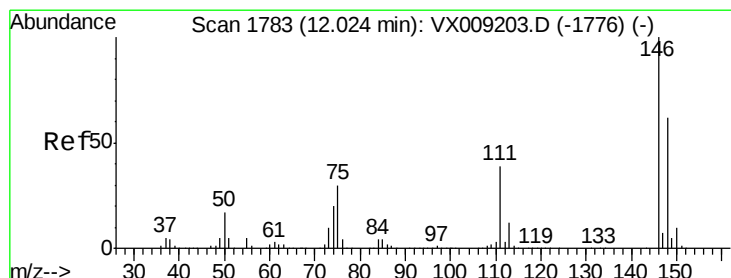
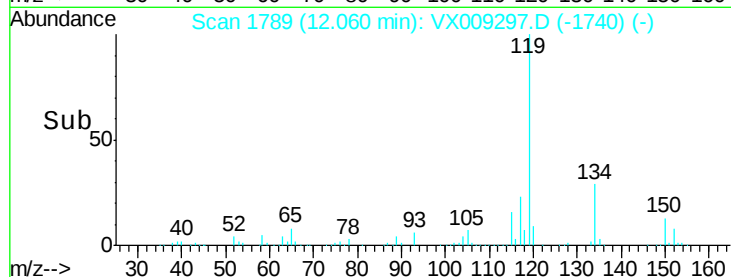
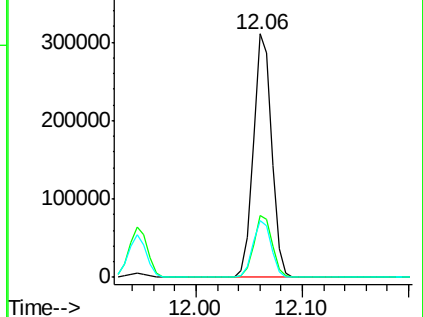
91 23.6 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 49.162 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

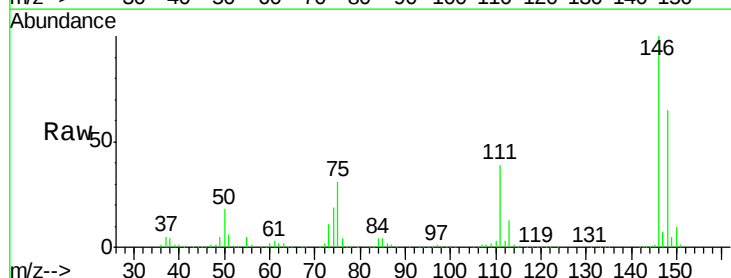
Tgt Ion:146 Resp: 189207

Ion Ratio Lower Upper

146 100

111 40.0 20.0 59.9

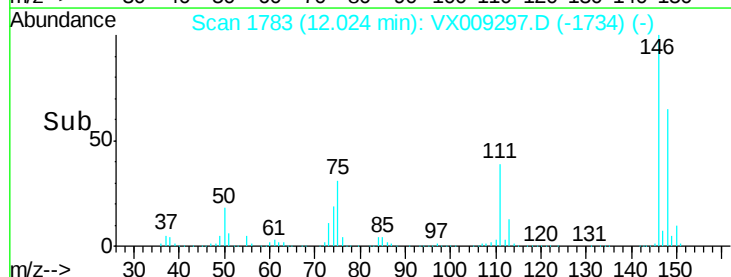
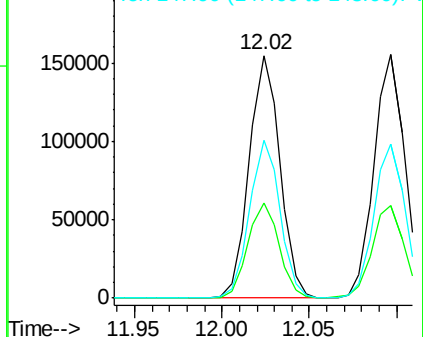
148 64.6 31.8 95.3

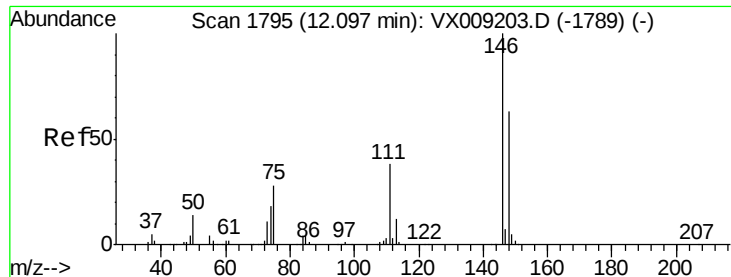


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 48.937 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429MSD

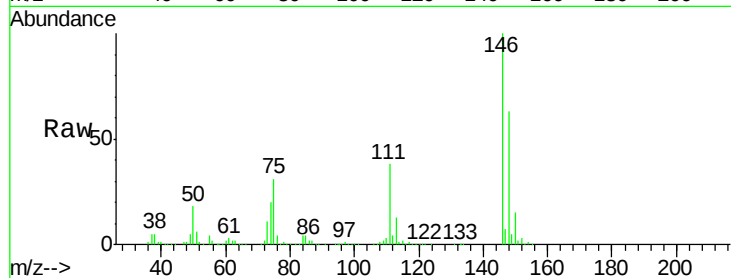
Tot Ion:146 Resp: 189879

Ion Ratio Lower Upper

146 100

111 39.4 19.6 58.8

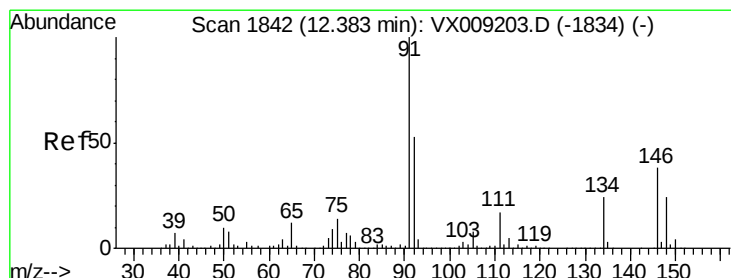
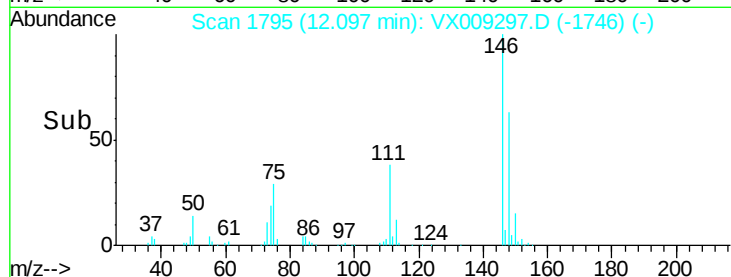
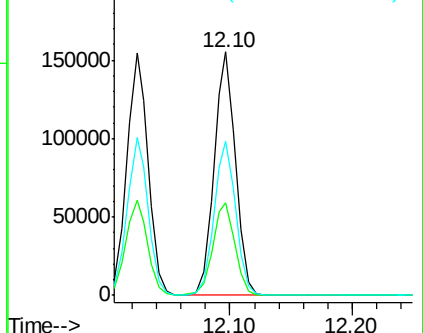
148 64.1 31.8 95.3



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: 48.978 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

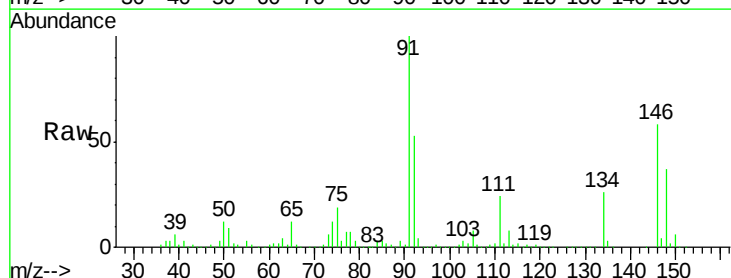
Tgt Ion: 91 Resp: 336148

Ion Ratio Lower Upper

91 100

92 52.7 26.5 79.5

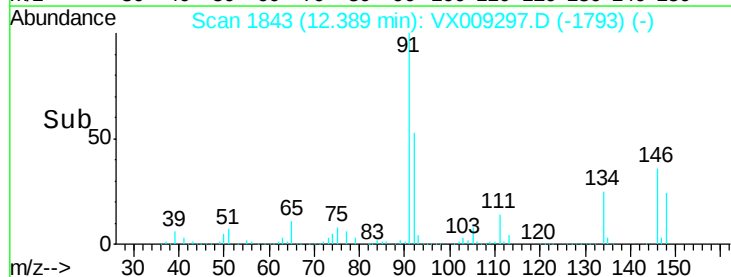
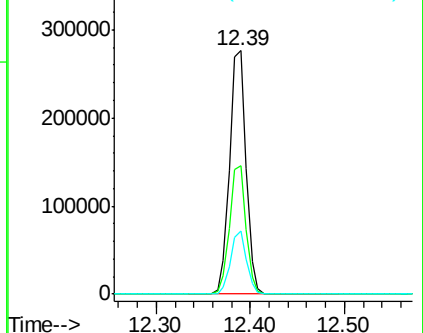
134 24.9 12.4 37.2

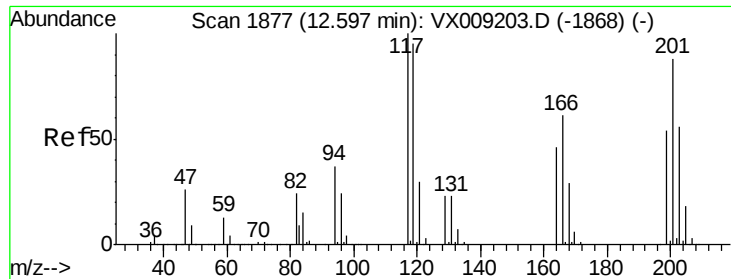


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 50.413 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

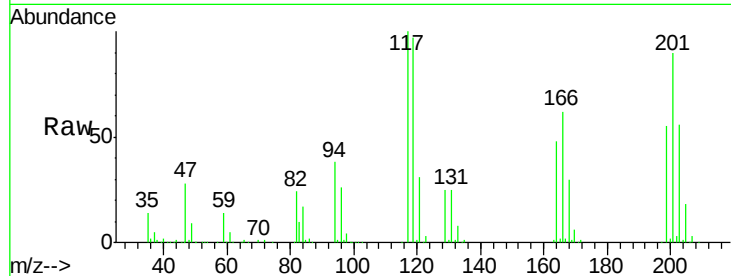
SS050MW641-190429MSD

Tot Ion:117 Resp: 65219

Ion Ratio Lower Upper

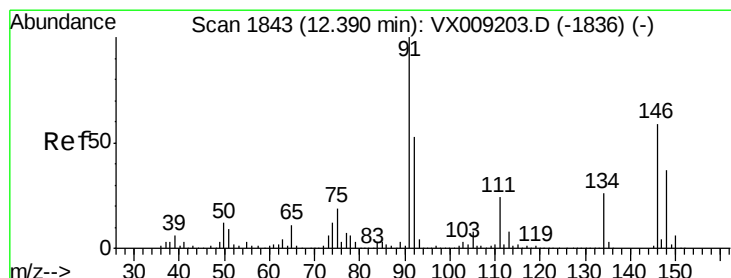
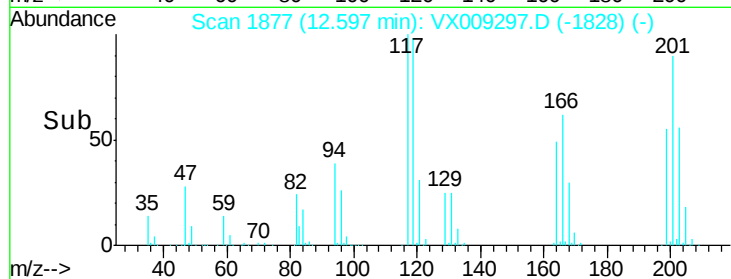
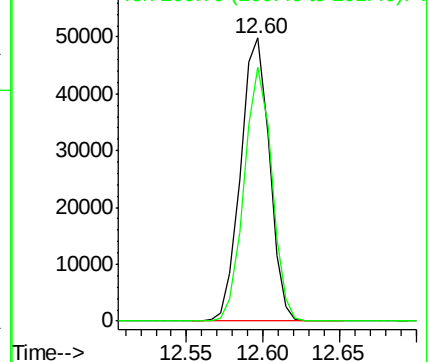
117 100

201 85.9 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 49.702 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

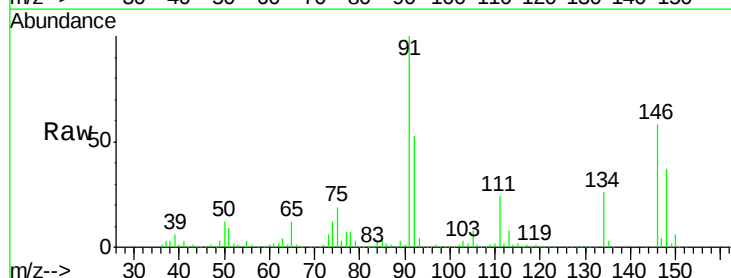
Tgt Ion:146 Resp: 194831

Ion Ratio Lower Upper

146 100

111 41.5 20.8 62.4

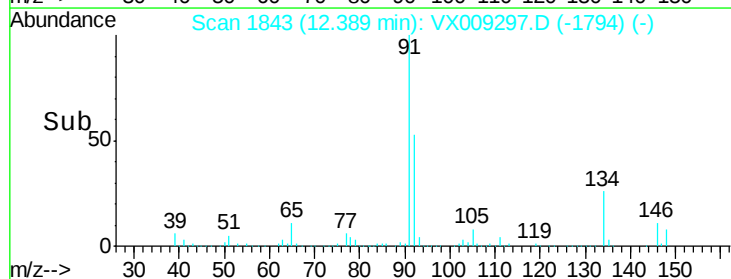
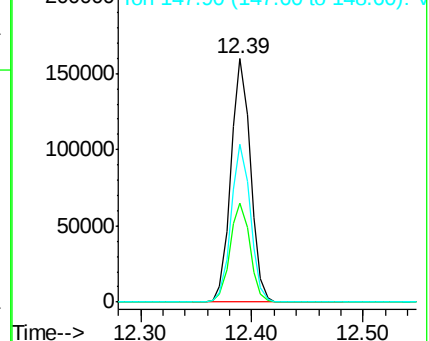
148 64.0 31.9 95.9

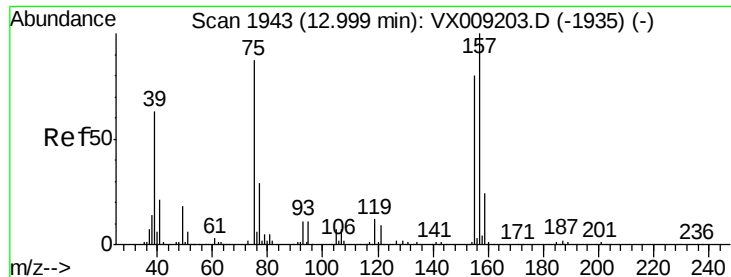


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

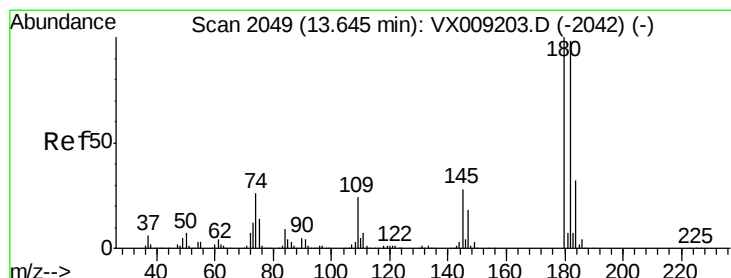
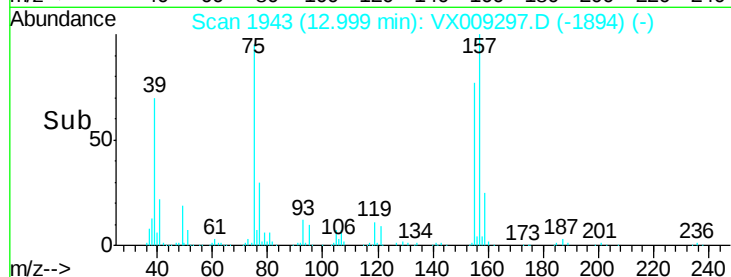
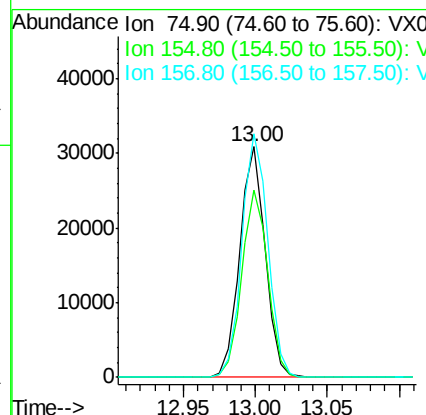
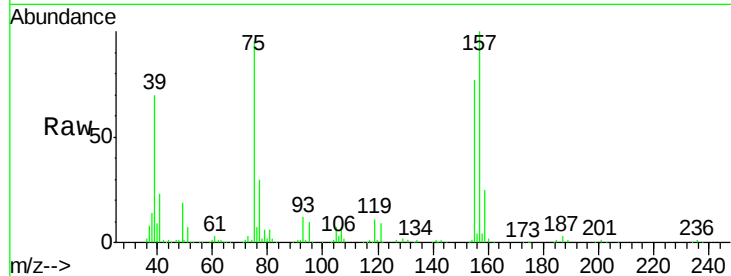




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.466 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

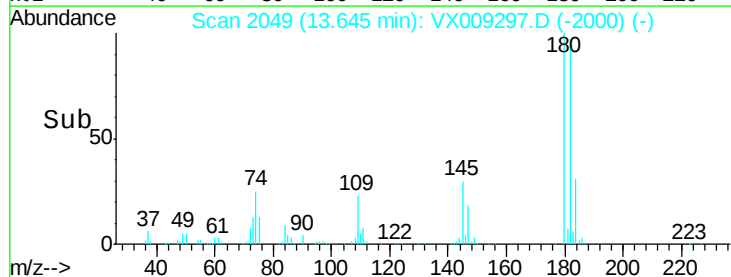
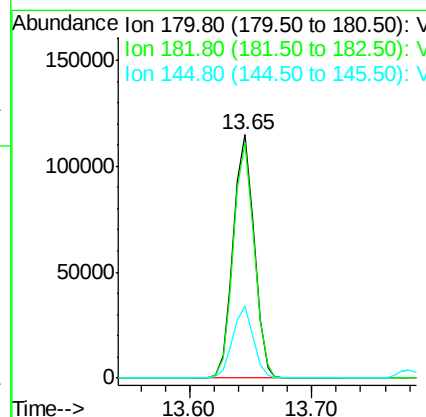
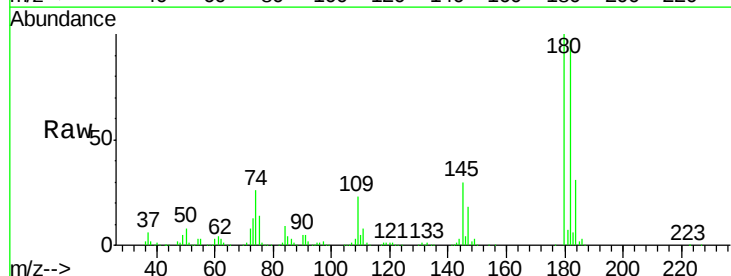
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190429MSD

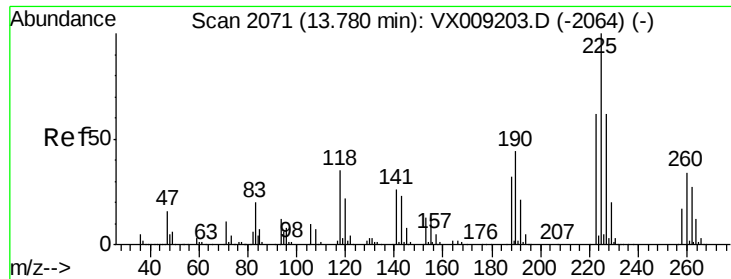
Tot Ion: 75 Resp: 38163
 Ion Ratio Lower Upper
 75 100
 155 82.3 42.0 126.0
 157 106.7 53.2 159.6



#93
 1,2,4-Trichlorobenzene
 Concen: 50.567 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

Tgt Ion:180 Resp: 135551
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.4 145.2
 145 29.2 14.6 43.8





#94

Hexachlorobutadiene

Concen: 47.612 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190429MSD

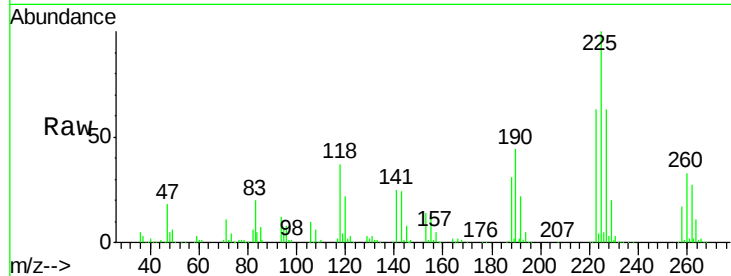
Tot Ion:225 Resp: 65176

Ion Ratio Lower Upper

225 100

223 63.7 31.3 93.8

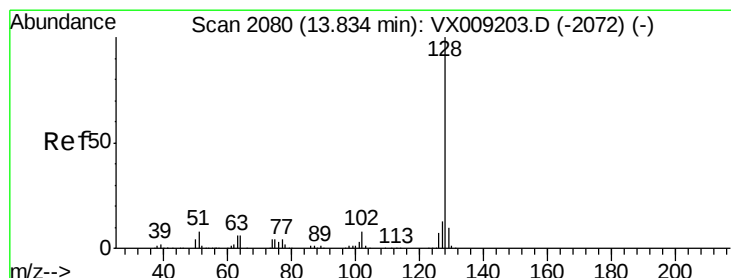
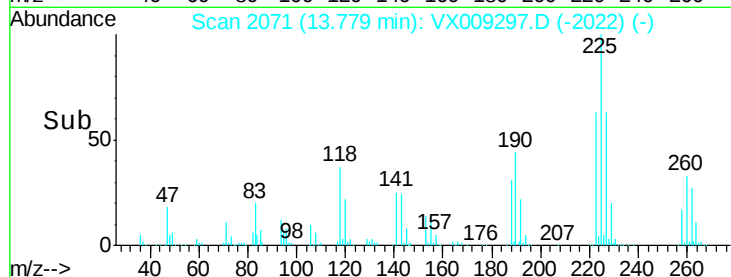
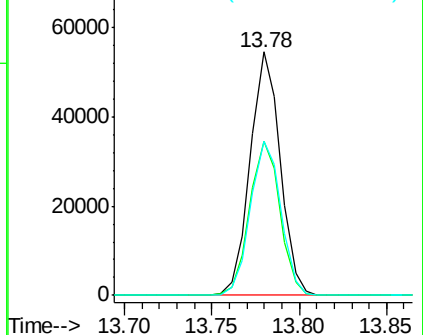
227 64.0 31.8 95.3



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: 51.714 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009297.D

Acq: 03 May 2019 00:40

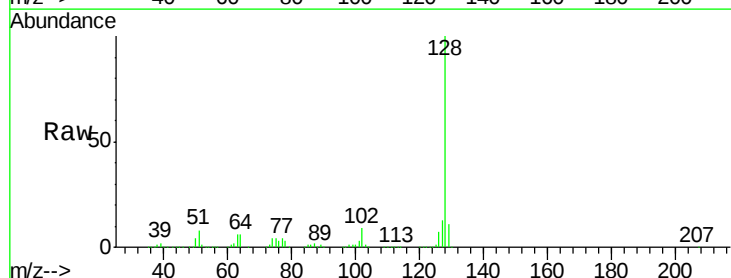
Tgt Ion:128 Resp: 451004

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

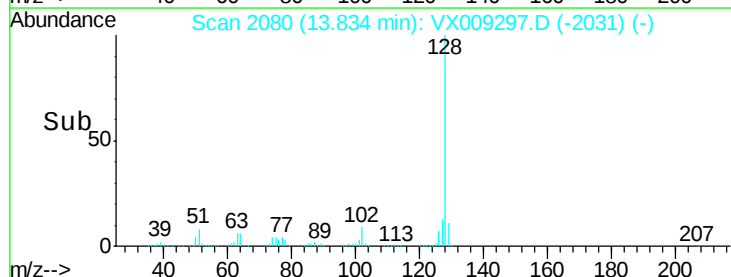
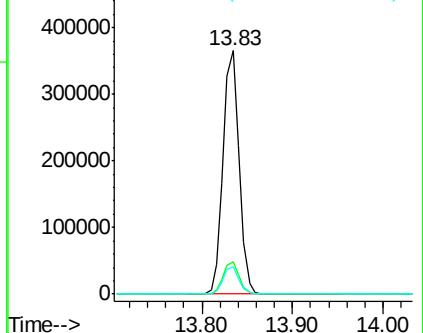
129 11.1 8.6 13.0

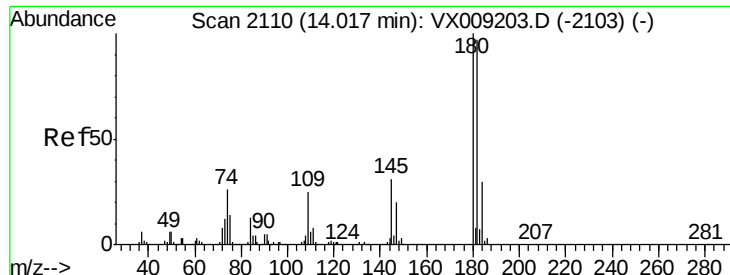


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

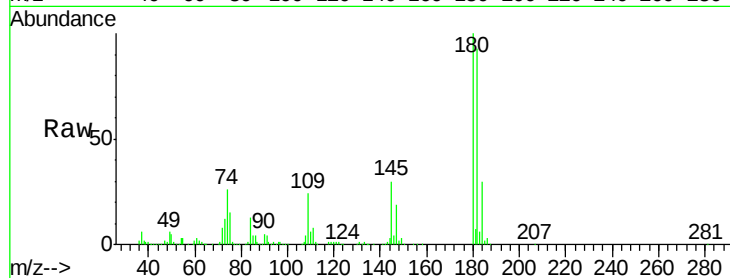




#96
 1,2,3-Trichlorobenzene
 Concen: 50.820 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX009297.D
 Acq: 03 May 2019 00:40

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190429MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.8	143.4
145	30.6	15.4	46.4



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

