

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050219\
 Data File : VX009298.D
 Acq On : 03 May 2019 01:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 03 02:49:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	165599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	274720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	248715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121475	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	116962	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
35) Dibromofluoromethane	5.50	113	86874	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
50) Toluene-d8	8.71	98	352517	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.13	95	126844	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	74503	48.822	ug/l	99
3) Chloromethane	1.32	50	105690	50.729	ug/l	100
4) Vinyl Chloride	1.41	62	101969	50.192	ug/l	97
5) Bromomethane	1.64	94	64799	53.141	ug/l	94
6) Chloroethane	1.71	64	65449	50.177	ug/l	99
7) Trichlorofluoromethane	1.92	101	126998	51.427	ug/l	98
8) Diethyl Ether	2.19	74	61014	52.160	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76614	49.404	ug/l	99
10) Methyl Iodide	2.51	142	89398	49.651	ug/l	99
11) Tert butyl alcohol	3.06	59	147895	282.631	ug/l	99
12) 1,1-Dichloroethene	2.37	96	79857	51.395	ug/l	99
13) Acrolein	2.29	56	105791	223.236	ug/l	100
14) Allyl chloride	2.73	41	188033	49.657	ug/l	99
15) Acrylonitrile	3.14	53	343545	268.509	ug/l	99
16) Acetone	2.45	43	295011	243.034	ug/l	99
17) Carbon Disulfide	2.57	76	210764	48.314	ug/l	100
18) Methyl Acetate	2.78	43	154951	53.675	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	318180	52.733	ug/l	99
20) Methylene Chloride	2.85	84	97489	49.602	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	85608	50.803	ug/l	98
22) Diisopropyl ether	3.85	45	384643	52.820	ug/l	95
23) Vinyl Acetate	3.81	43	1683684	270.005	ug/l	99
24) 1,1-Dichloroethane	3.70	63	184780	51.437	ug/l	100
25) 2-Butanone	4.68	43	508824	269.746	ug/l	100
26) 2,2-Dichloropropane	4.59	77	97687	36.533	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	103236	51.327	ug/l	96
28) Bromochloromethane	5.01	49	76094	52.772	ug/l	100
29) Tetrahydrofuran	5.13	42	336873	277.528	ug/l	99
30) Chloroform	5.21	83	172257	53.018	ug/l	100
31) Cyclohexane	5.58	56	168507	50.418	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	139363	51.527	ug/l	99
36) 1,1-Dichloropropene	5.80	75	125295	49.077	ug/l	99
37) Ethyl Acetate	4.84	43	190513	53.559	ug/l	99
38) Carbon Tetrachloride	5.79	117	116031	50.023	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	145608	46.441	ug/l	97
40) Benzene	6.14	78	397091	50.257	ug/l	98
41) Methacrylonitrile	5.04	41	107269	50.660	ug/l	99
42) 1,2-Dichloroethane	6.19	62	144775	51.080	ug/l	99
43) Isopropyl Acetate	6.45	43	300314	52.781	ug/l	100
44) Trichloroethene	7.21	130	93206	48.796	ug/l	100
45) 1,2-Dichloropropane	7.51	63	113287	50.636	ug/l	98
46) Dibromomethane	7.66	93	64954	49.995	ug/l	99
47) Bromodichloromethane	7.90	83	133097	51.358	ug/l	96
48) Methyl methacrylate	7.77	41	150524	53.324	ug/l	99
49) 1,4-Dioxane	7.74	88	61024	1065.983	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	998524	268.496	ug/l	100
52) Toluene	8.79	92	239415	49.848	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	145199	49.625	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	161544	49.882	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	98568	50.304	ug/l	95
56) Ethyl methacrylate	9.18	69	185782	53.115	ug/l	99
57) 1,3-Dichloropropane	9.37	76	177007	51.334	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	484876	261.315	ug/l	100
59) 2-Hexanone	9.49	43	788380	269.917	ug/l	100
60) Dibromochloromethane	9.59	129	99840	52.170	ug/l	99
61) 1,2-Dibromoethane	9.67	107	100995	51.061	ug/l	99
64) Tetrachloroethene	9.34	164	86745	50.845	ug/l	99
65) Chlorobenzene	10.14	112	248142	49.874	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	92506	51.284	ug/l	100
67) Ethyl Benzene	10.25	91	460833	50.328	ug/l	100
68) m/p-Xylenes	10.36	106	335459	100.253	ug/l	98
69) o-Xylene	10.70	106	166043	50.294	ug/l	100
70) Styrene	10.71	104	292727	51.014	ug/l	100
71) Bromoform	10.86	173	77783	53.063	ug/l #	98
73) Isopropylbenzene	11.02	105	435346	49.283	ug/l	99
74) N-amyl acetate	10.90	43	279293	54.231	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	170716	51.842	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	194067	68.872	ug/l	82
77) Bromobenzene	11.26	156	109619	49.997	ug/l	100
78) n-propylbenzene	11.36	91	494392	49.006	ug/l	99
79) 2-Chlorotoluene	11.42	91	301007	48.362	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	370508	49.814	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52173	47.375	ug/l	99
82) 4-Chlorotoluene	11.51	91	348103	49.507	ug/l	99
83) tert-Butylbenzene	11.77	119	365855	50.564	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	373998	50.095	ug/l	100
85) sec-Butylbenzene	11.94	105	419686	48.925	ug/l	100
86) p-Isopropyltoluene	12.06	119	382392	49.585	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	193015	49.383	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	194487	49.355	ug/l	100
89) n-Butylbenzene	12.38	91	338799	48.607	ug/l	100
90) Hexachloroethane	12.60	117	66453	50.580	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	200259	50.303	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39943	54.071	ug/l	97

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

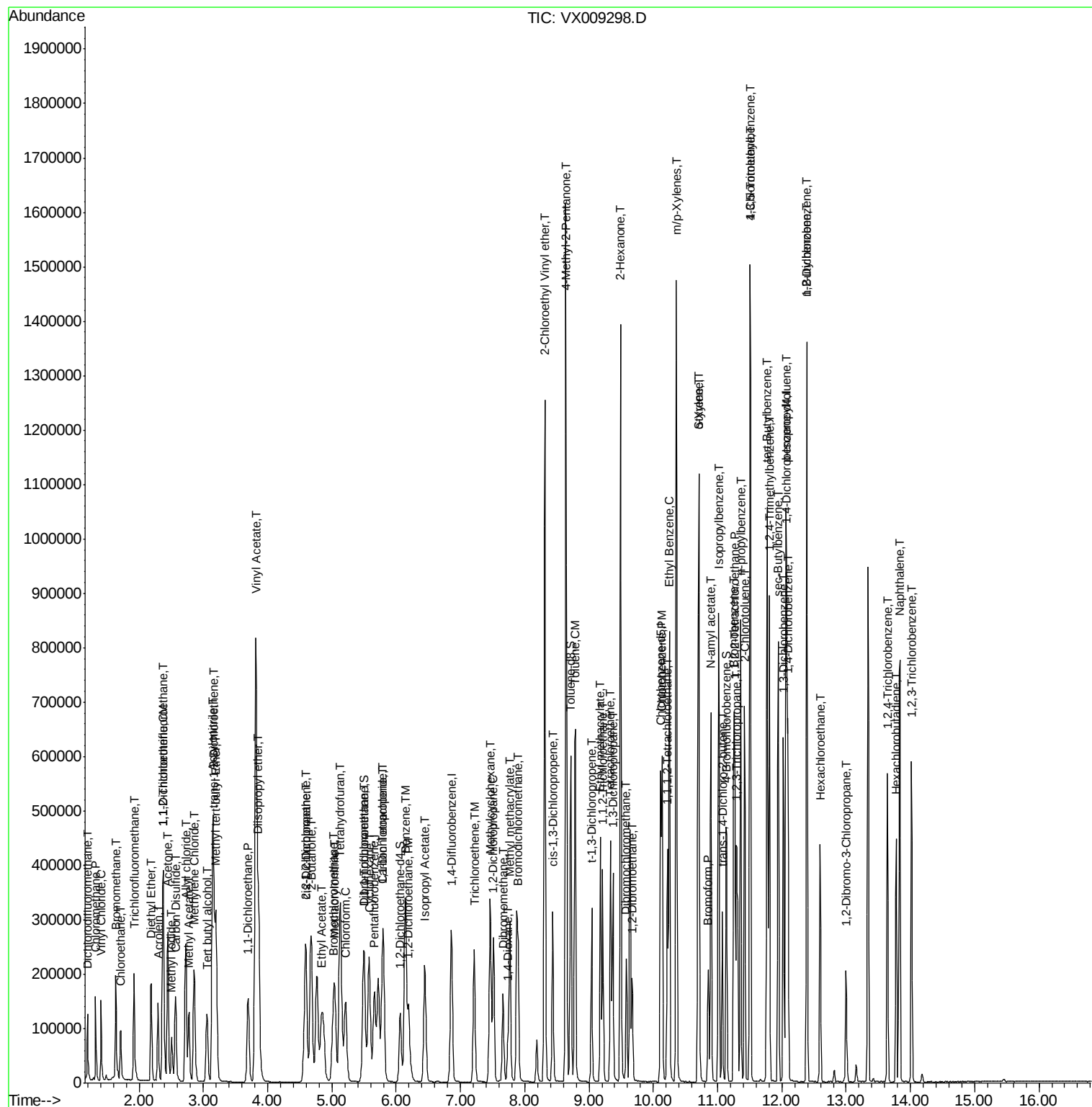
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	139313	51.173	ug/l	98
94) Hexachlorobutadiene	13.78	225	66588	47.898	ug/l	99
95) Naphthalene	13.83	128	472608	53.360	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	141661	51.334	ug/l	99

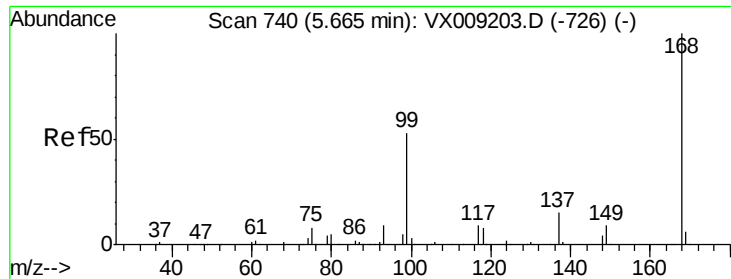
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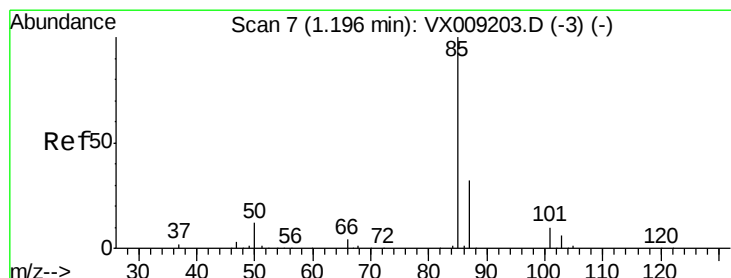
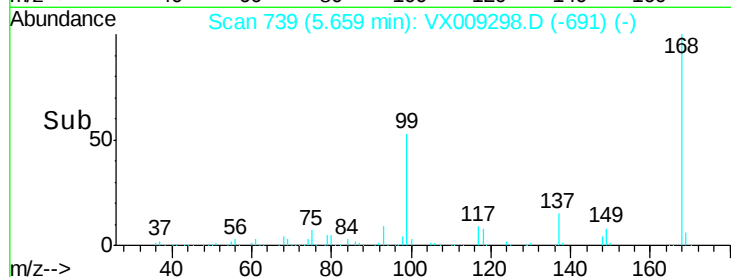
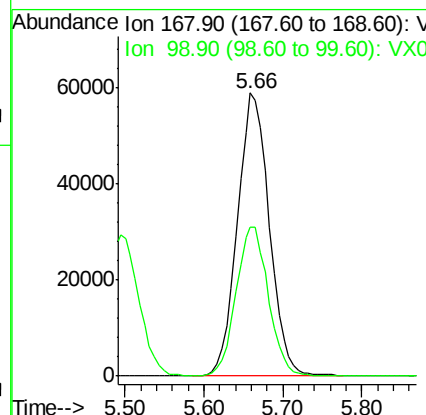
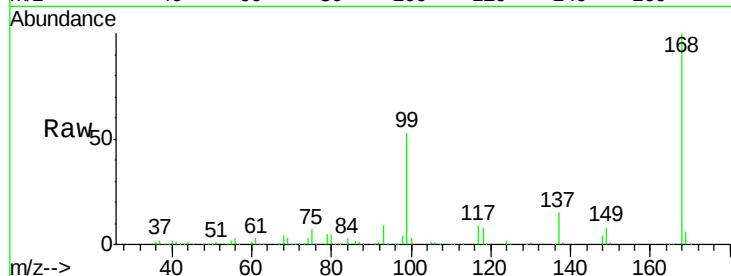




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

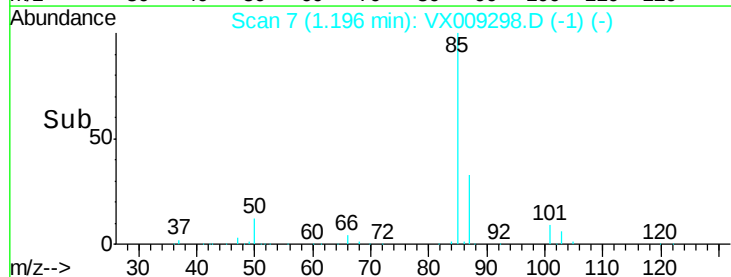
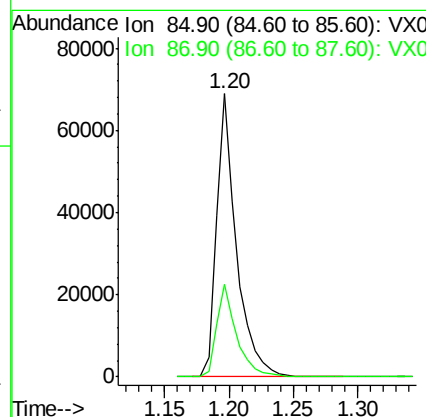
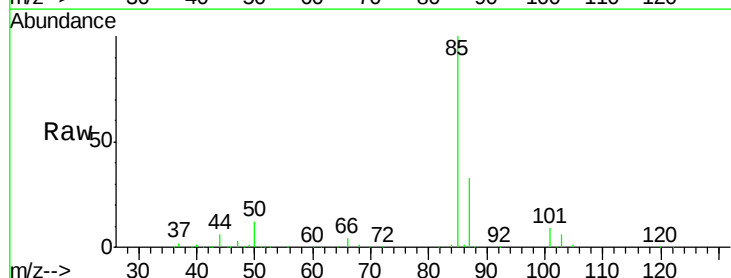
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

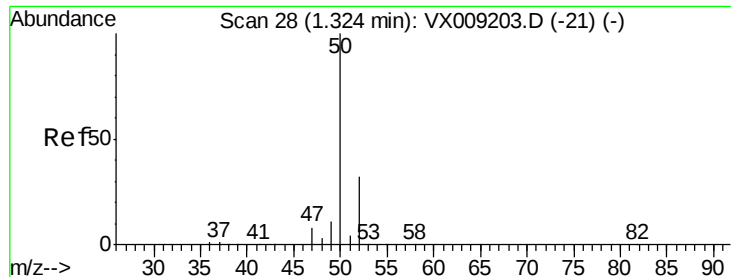
Tot Ion:168 Resp: 165599
Ion Ratio Lower Upper
168 100
99 52.7 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 48.822 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 85 Resp: 74503
Ion Ratio Lower Upper
85 100
87 32.9 16.1 48.3





#3

Chloromethane

Concen: 50.729 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

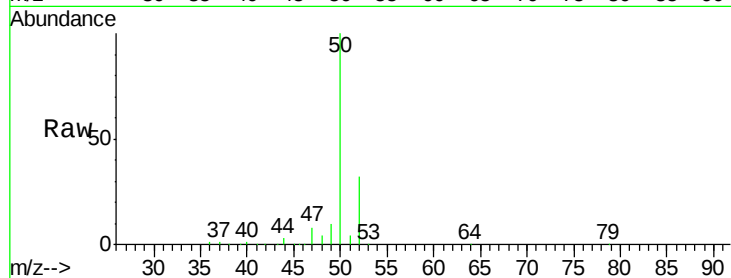
VSTDCCC050EC

Tot Ion: 50 Resp: 105690

Ion Ratio Lower Upper

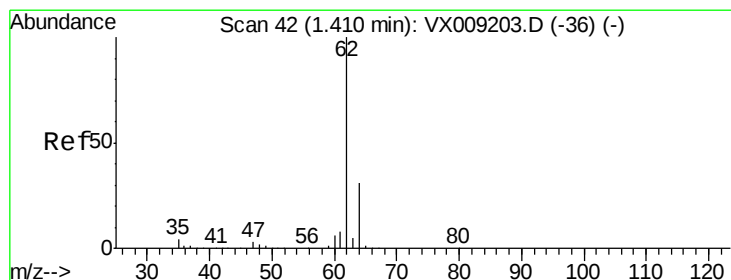
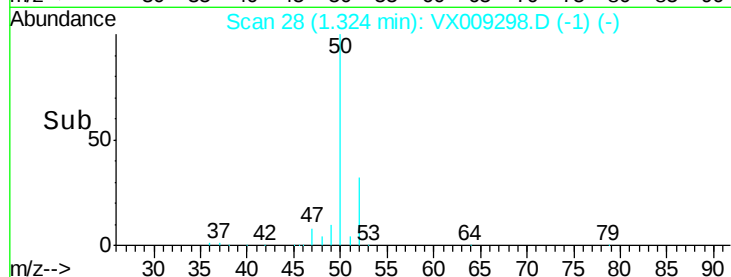
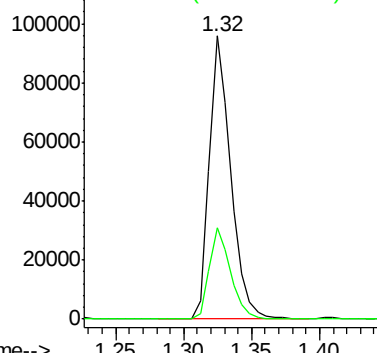
50 100

52 32.3 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: 50.192 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009298.D

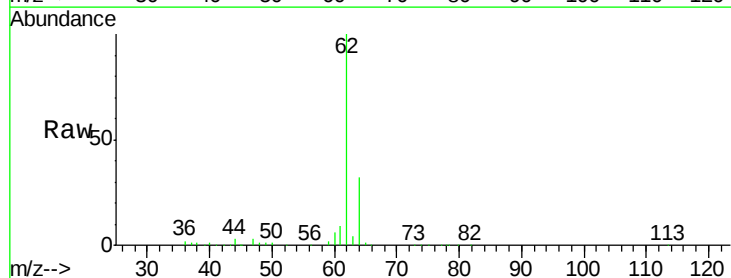
Acq: 03 May 2019 01:03

Tgt Ion: 62 Resp: 101969

Ion Ratio Lower Upper

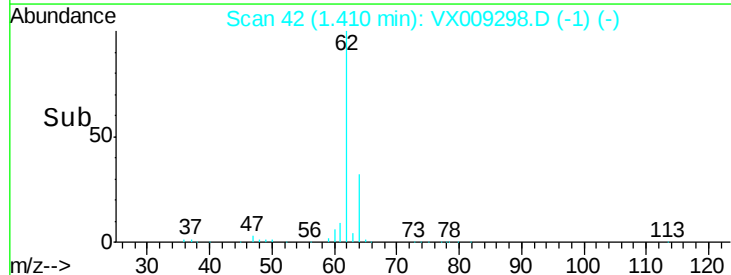
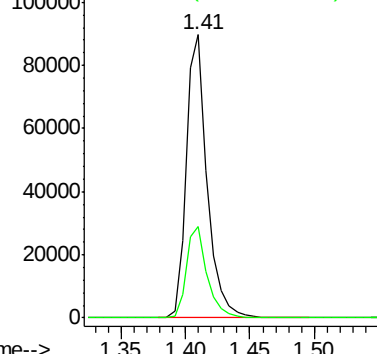
62 100

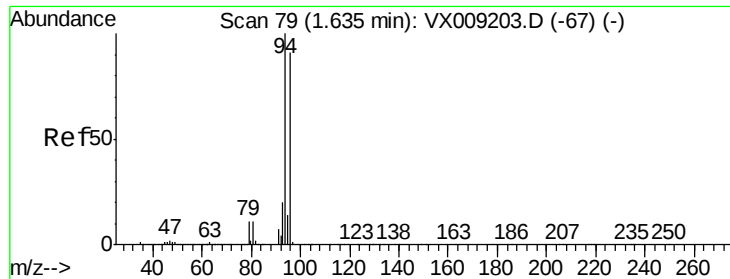
64 32.3 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 53.141 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

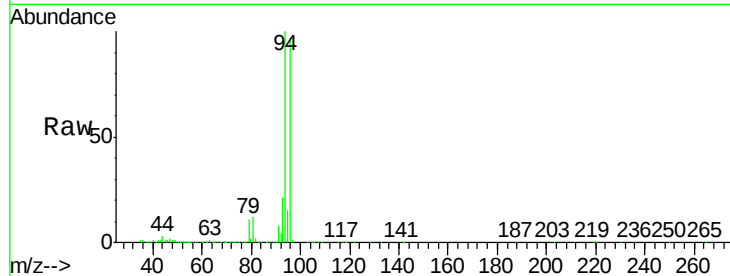
VSTDCCC050EC

Tot Ion: 94 Resp: 64799

Ion Ratio Lower Upper

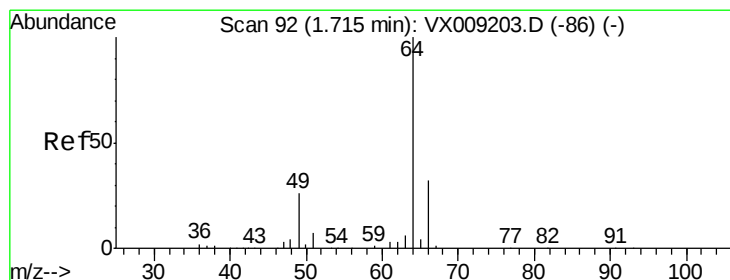
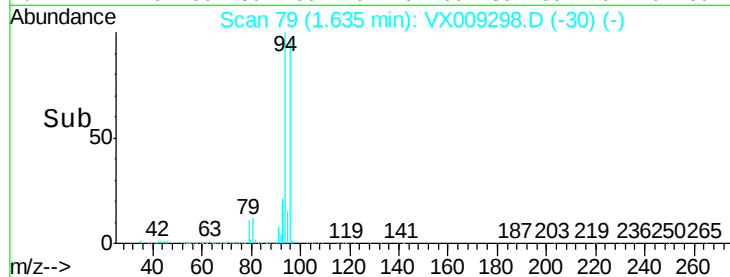
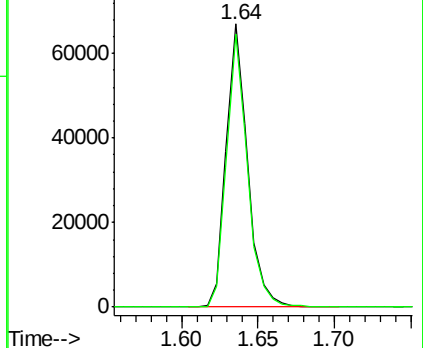
94 100

96 96.7 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: 50.177 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009298.D

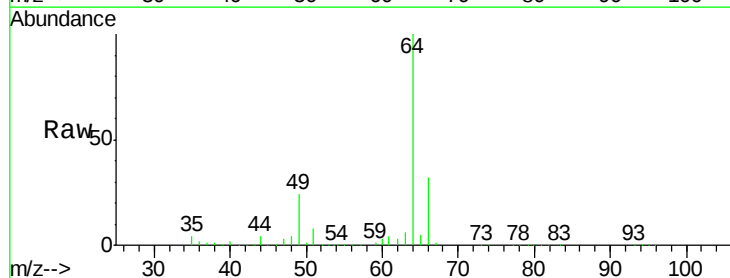
Acq: 03 May 2019 01:03

Tgt Ion: 64 Resp: 65449

Ion Ratio Lower Upper

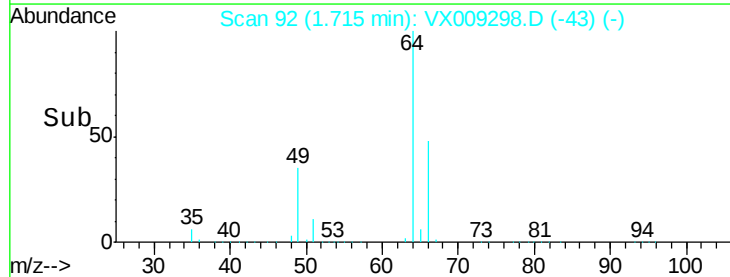
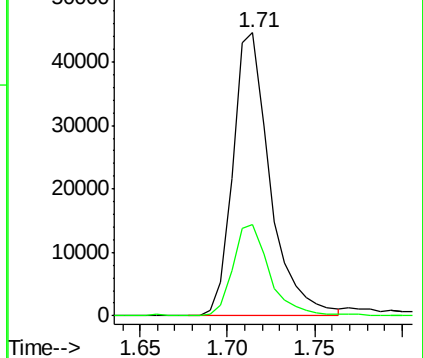
64 100

66 32.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



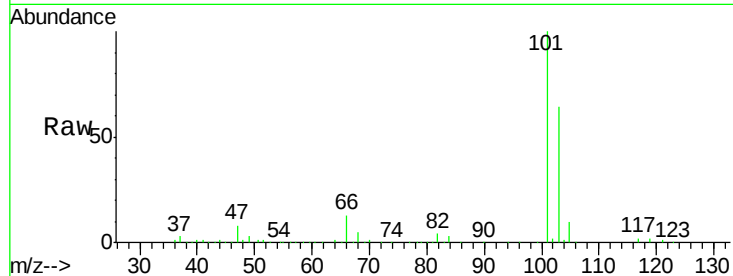


#7

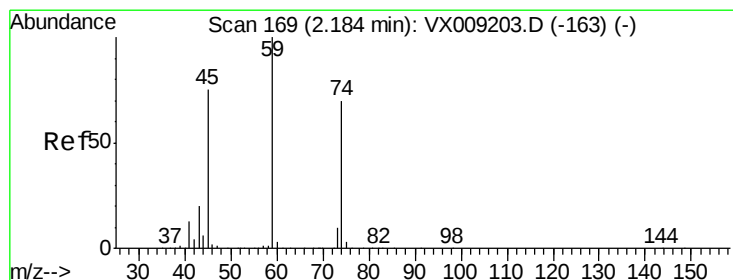
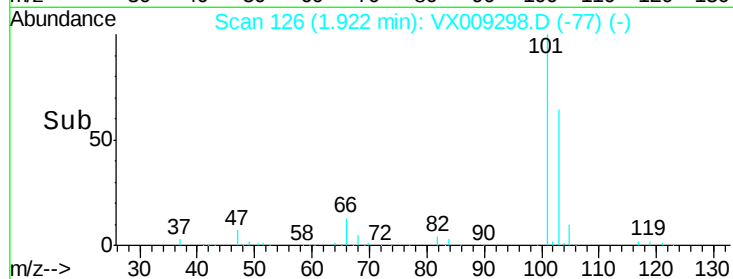
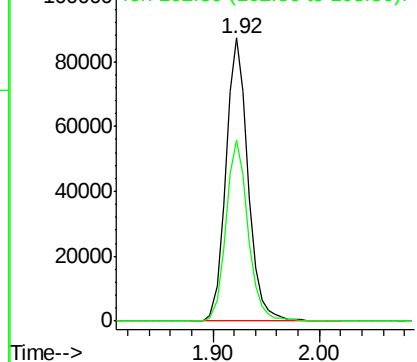
Trichlorofluoromethane
 Concen: 51.427 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Instrument :
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Tot Ion:101 Resp: 126998
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.4 78.6



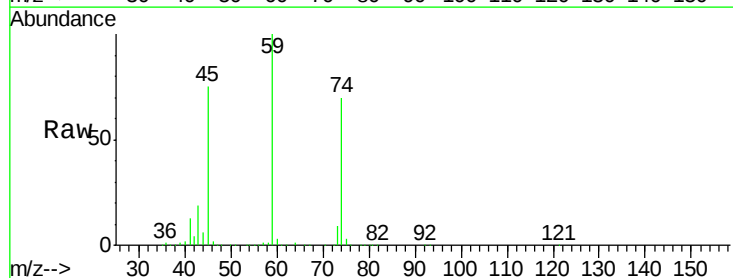
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



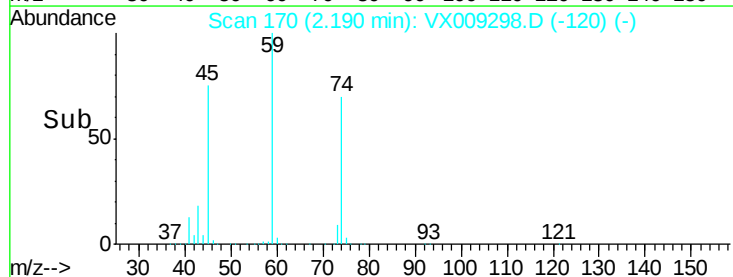
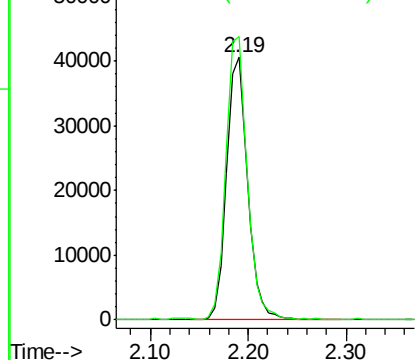
#8

Diethyl Ether
 Concen: 52.160 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion: 74 Resp: 61014
 Ion Ratio Lower Upper
 74 100
 45 108.3 53.3 159.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.404 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

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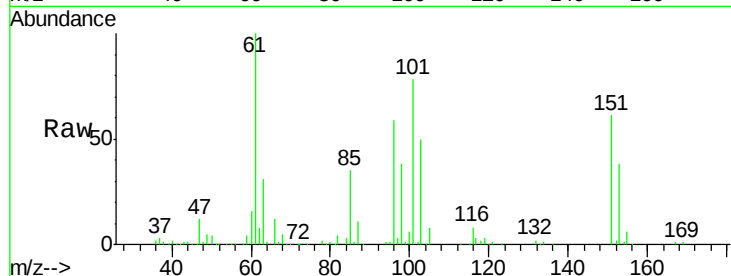
Tot Ion:101 Resp: 76614

Ion Ratio Lower Upper

101 100

85 43.9 35.7 53.5

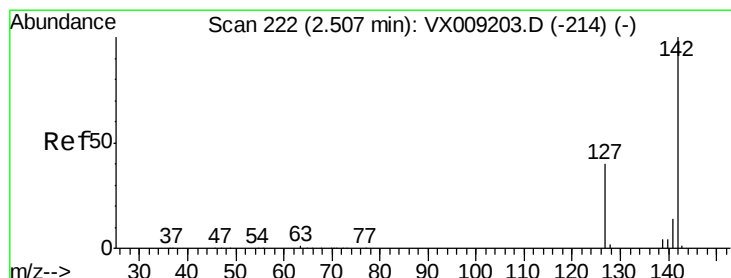
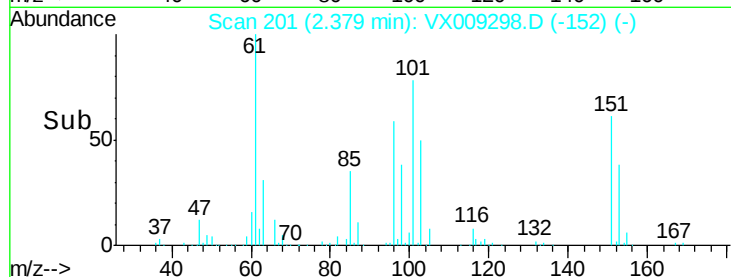
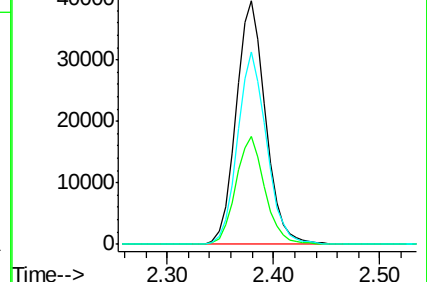
151 78.4 62.2 93.2



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: 49.651 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

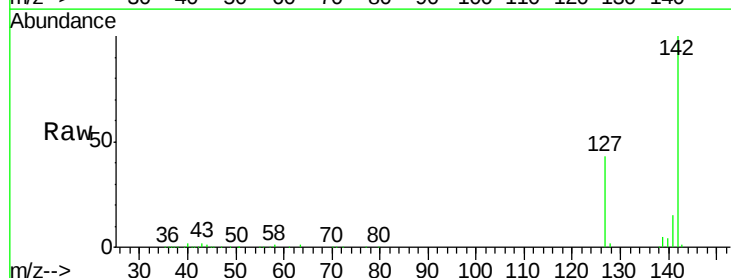
Tgt Ion:142 Resp: 89398

Ion Ratio Lower Upper

142 100

127 41.6 32.7 49.1

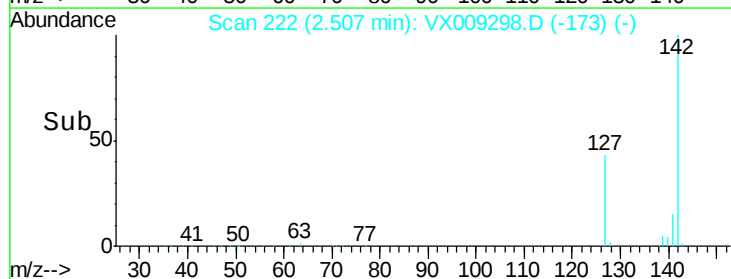
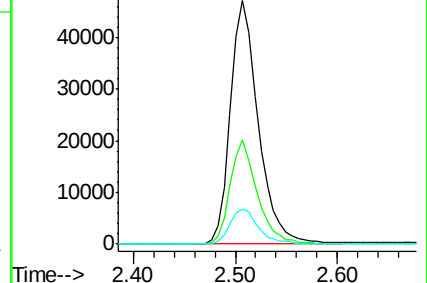
141 14.8 11.5 17.3

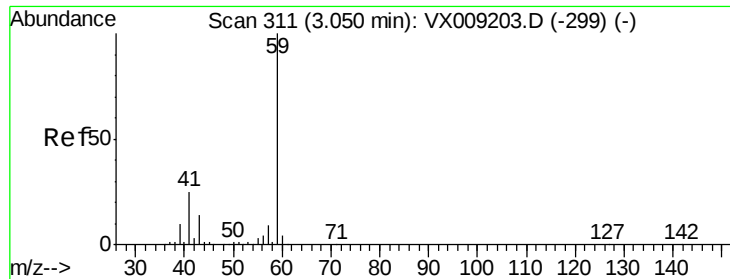


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

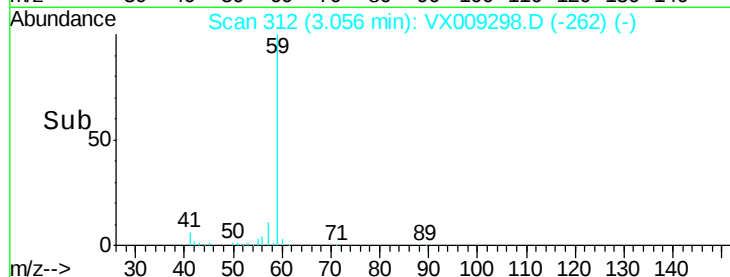
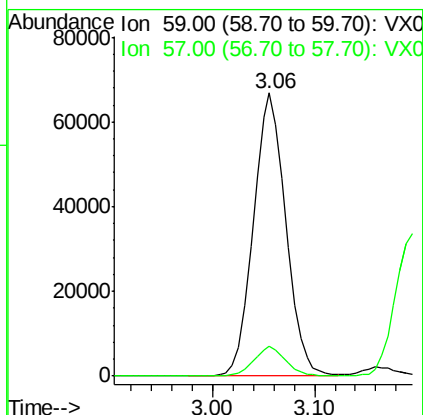
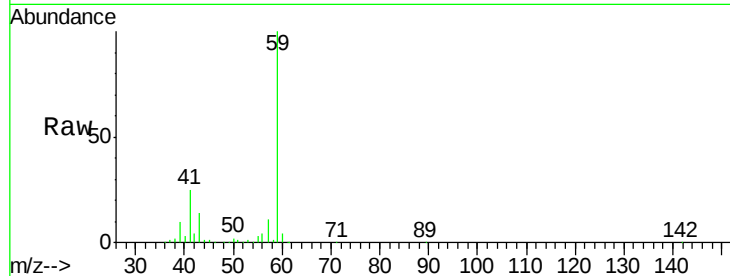




#11
Tert butyl alcohol
Concen: 282.631 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

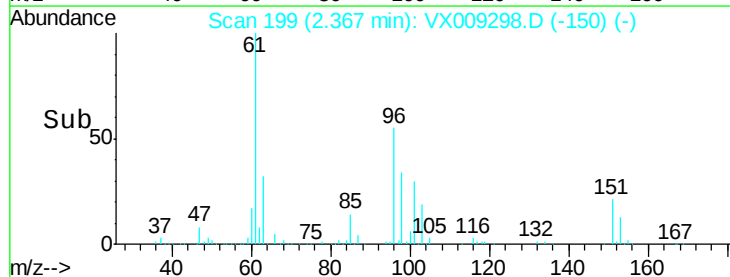
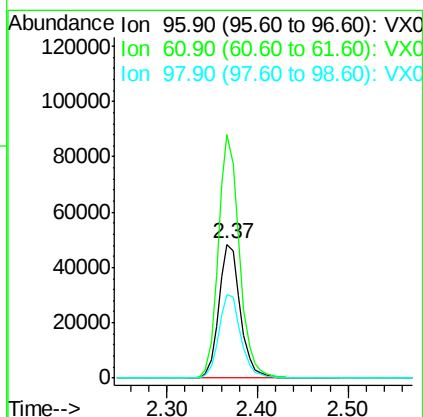
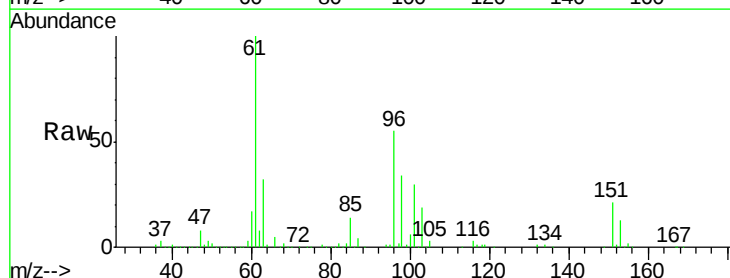
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

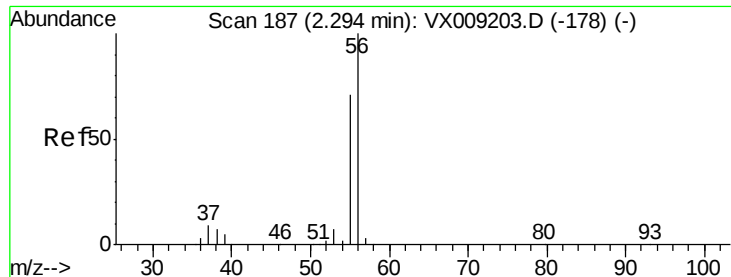
Tot Ion: 59 Resp: 147895
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2



#12
1,1-Dichloroethene
Concen: 51.395 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 96 Resp: 79857
Ion Ratio Lower Upper
96 100
61 181.4 144.3 216.5
98 61.9 50.3 75.5





#13

Acrolein

Concen: 223.236 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

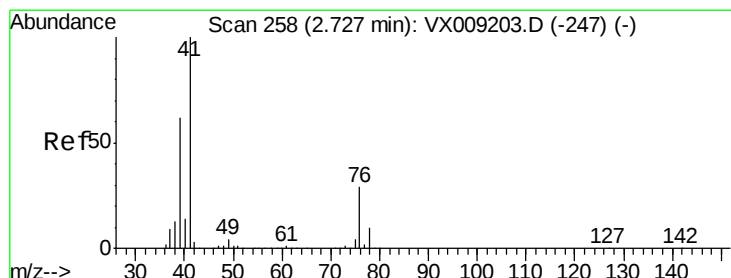
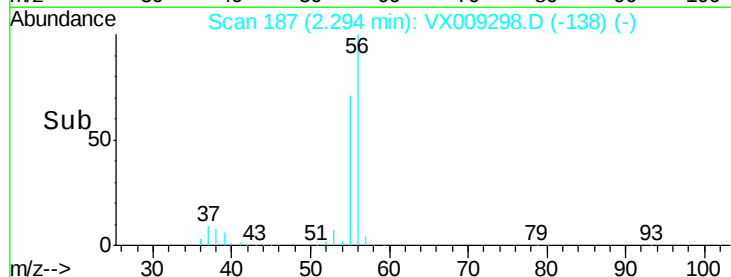
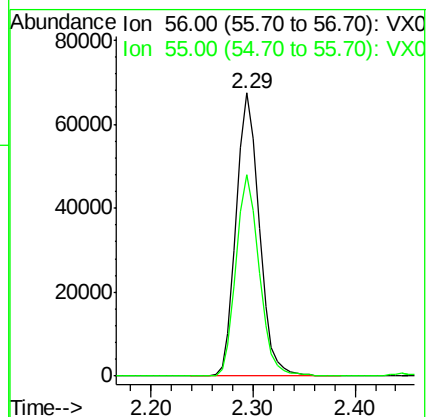
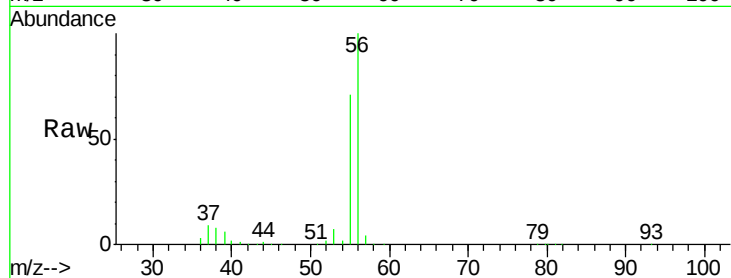
VSTDCCC050EC

Tot Ion: 56 Resp: 105791

Ion Ratio Lower Upper

56 100

55 71.1 56.6 85.0



#14

Allyl chloride

Concen: 49.657 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

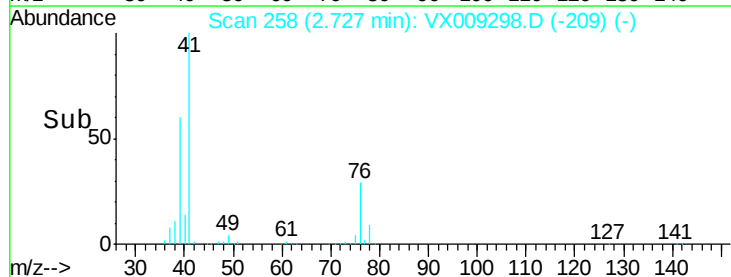
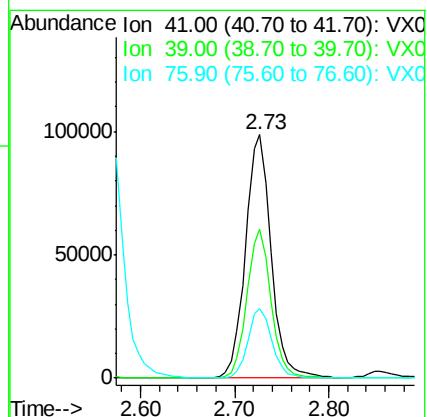
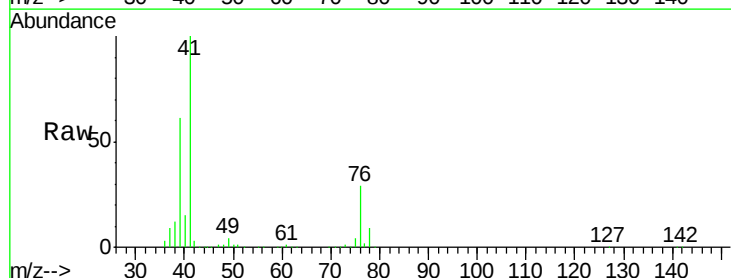
Tgt Ion: 41 Resp: 188033

Ion Ratio Lower Upper

41 100

39 57.3 46.7 70.1

76 26.9 21.8 32.8

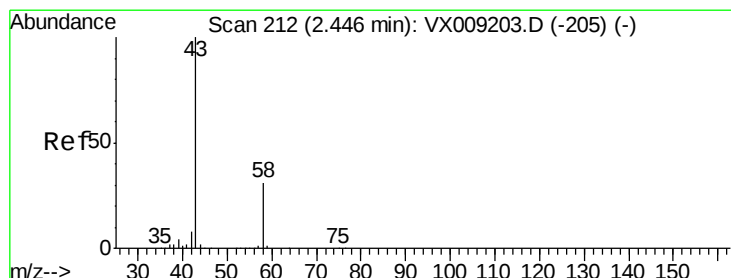
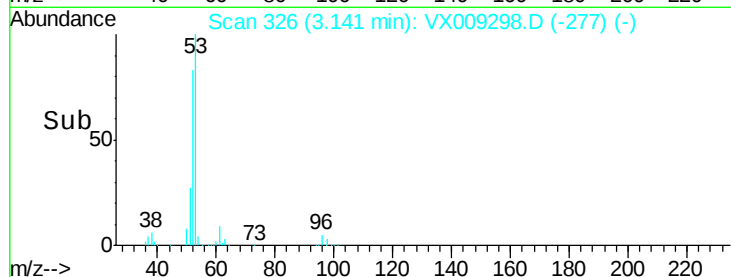
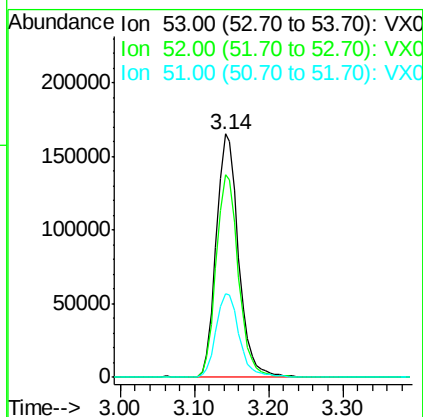
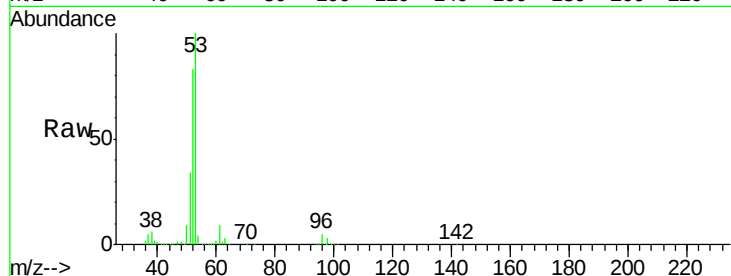




#15
 Acrylonitrile
 Concen: 268.509 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

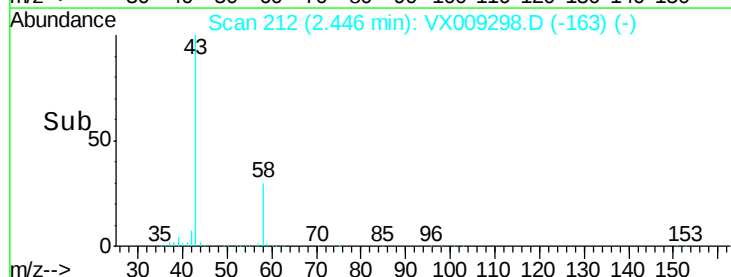
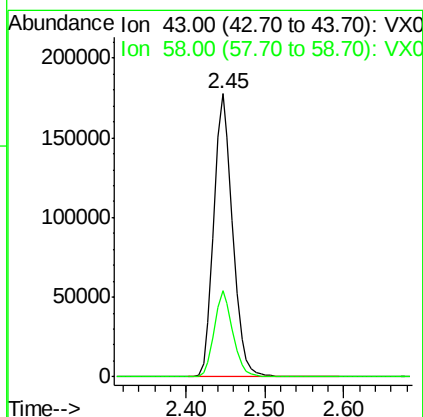
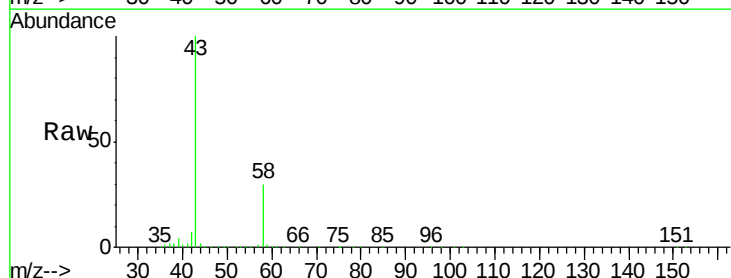
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 53 Resp: 343545
 Ion Ratio Lower Upper
 53 100
 52 83.0 66.9 100.3
 51 35.5 28.2 42.2



#16
 Acetone
 Concen: 243.034 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion: 43 Resp: 295011
 Ion Ratio Lower Upper
 43 100
 58 30.5 24.9 37.3

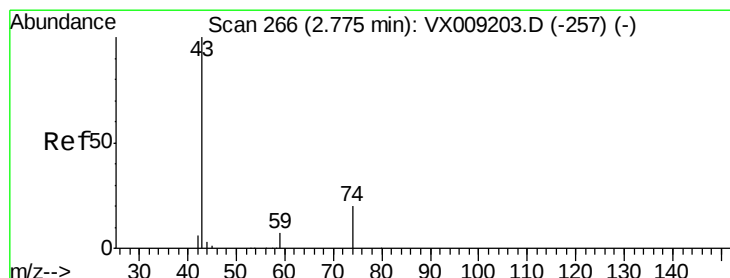
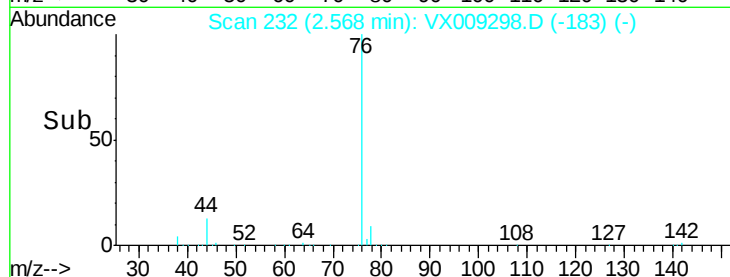
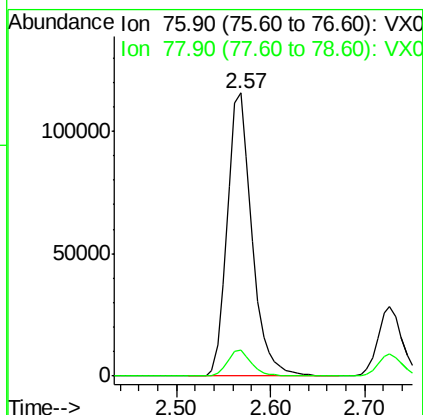
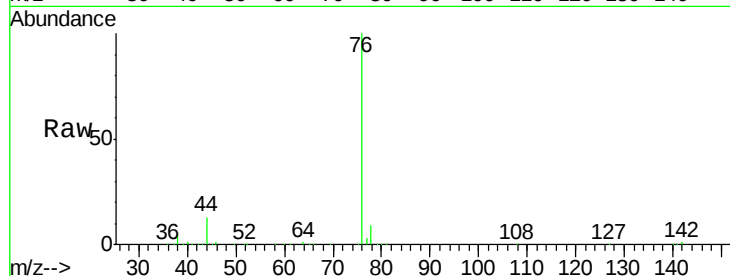




#17
Carbon Disulfide
Concen: 48.314 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

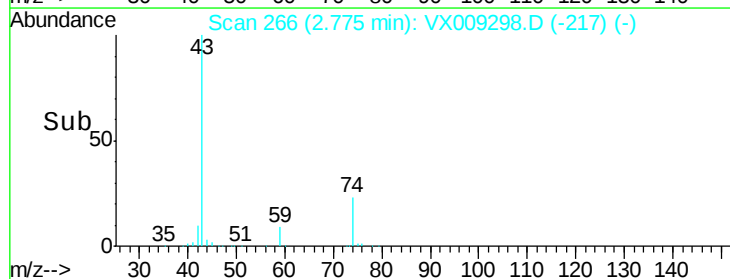
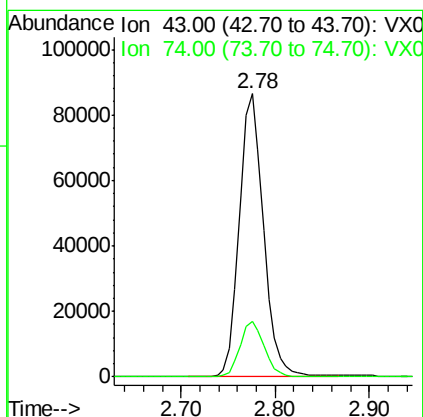
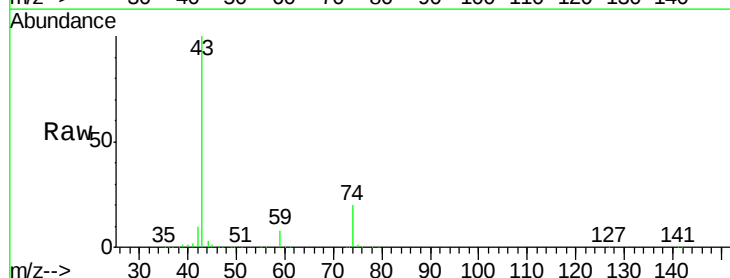
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

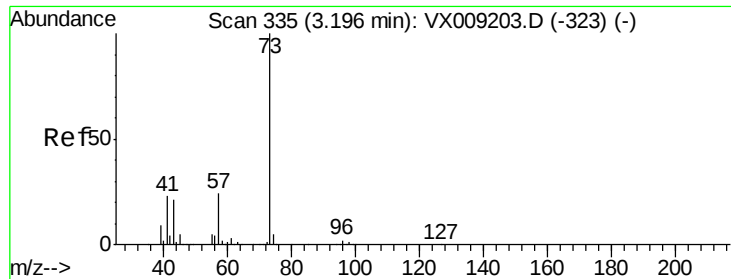
Tot Ion: 76 Resp: 210764
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 53.675 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 43 Resp: 154951
Ion Ratio Lower Upper
43 100
74 20.1 16.2 24.4

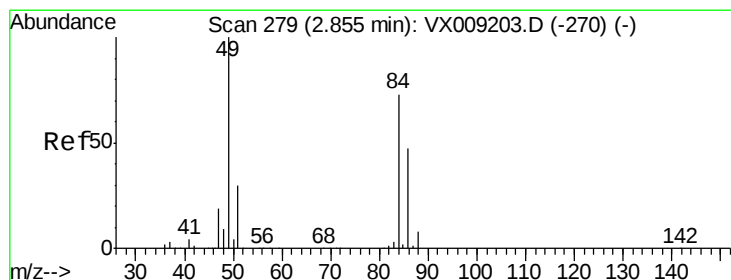
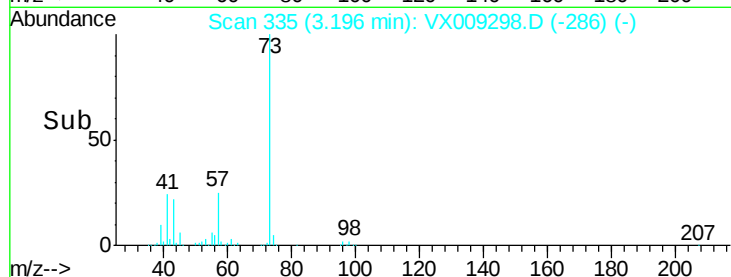
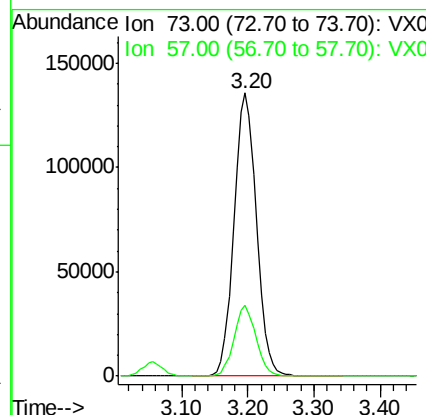
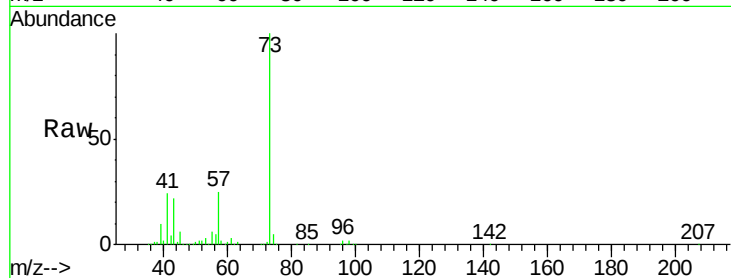




#19
Methvl tert-butvl Ether
Concen: 52.733 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

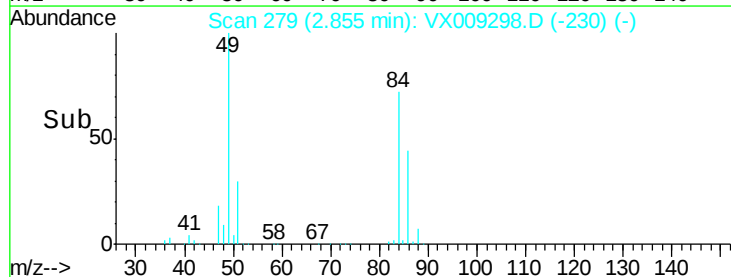
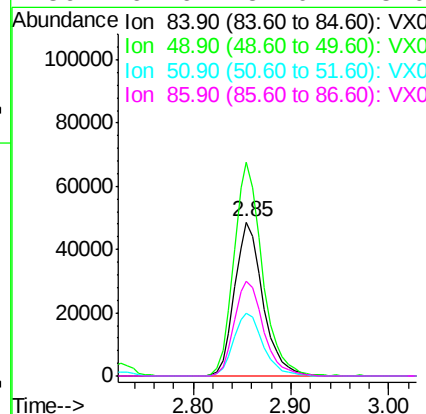
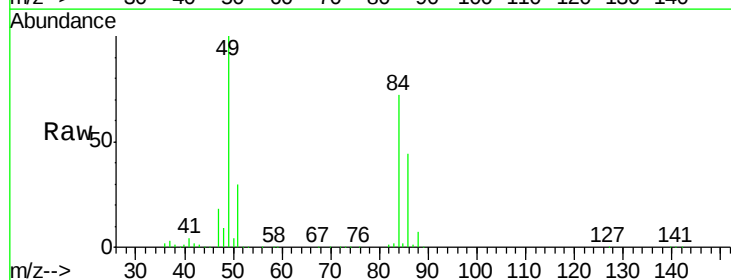
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

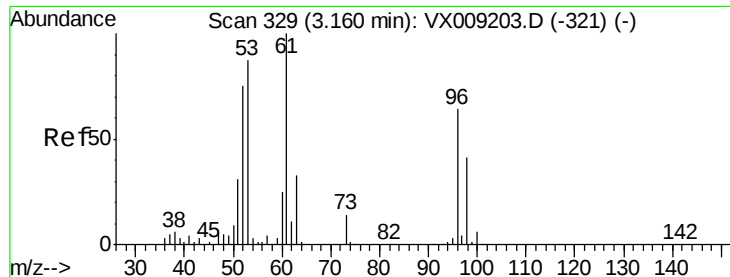
Tot Ion: 73 Resp: 318180
Ion Ratio Lower Upper
73 100
57 24.8 19.3 28.9



#20
Methylene Chloride
Concen: 49.602 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 84 Resp: 97489
Ion Ratio Lower Upper
84 100
49 138.7 109.9 164.9
51 41.1 32.7 49.1
86 61.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.803 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

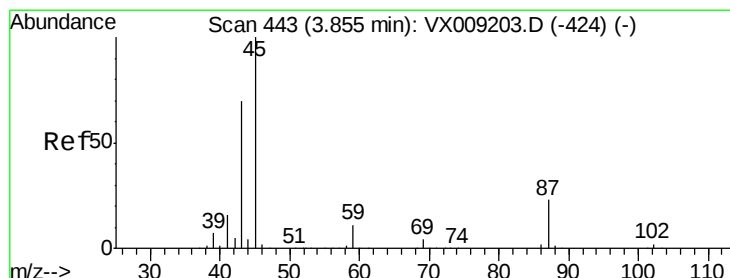
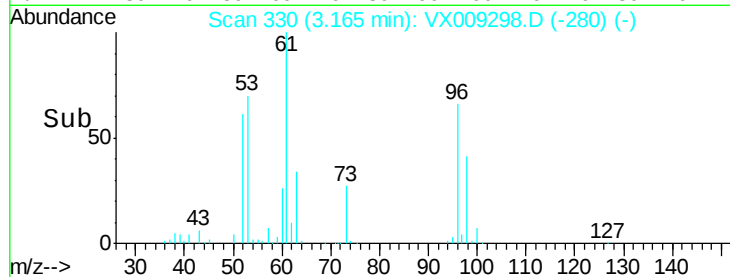
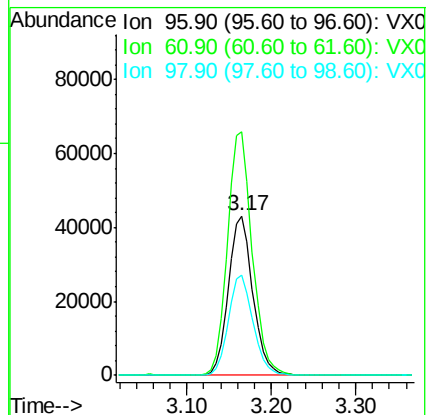
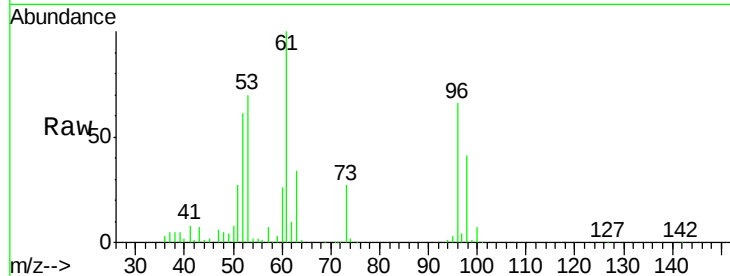
Tot Ion: 96 Resp: 85608

Ion Ratio Lower Upper

96 100

61 152.5 124.5 186.7

98 63.0 50.4 75.6



#22

Diisopropyl ether

Concen: 52.820 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Tgt Ion: 45 Resp: 384643

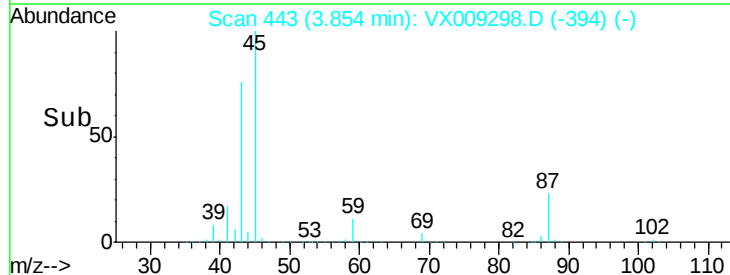
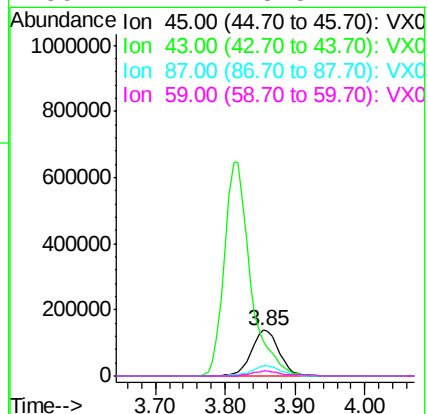
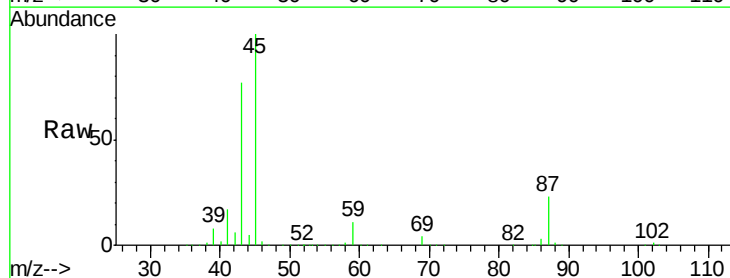
Ion Ratio Lower Upper

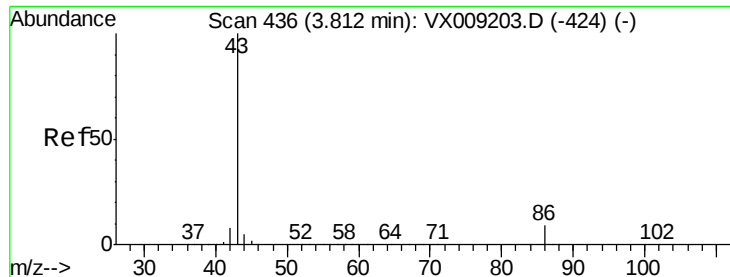
45 100

43 76.4 56.1 84.1

87 22.8 18.1 27.1

59 11.2 8.5 12.7





#23

Vinyl Acetate

Concen: 270.005 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

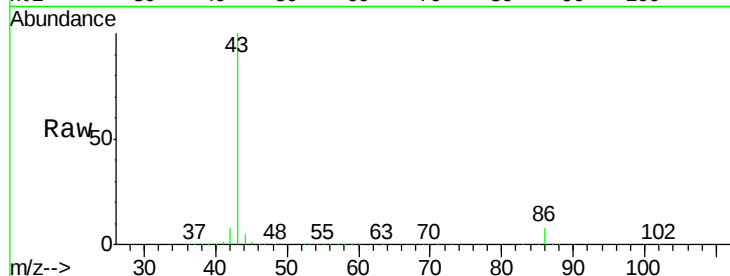
VSTDCCC050EC

Tot Ion: 43 Resp: 1683684

Ion Ratio Lower Upper

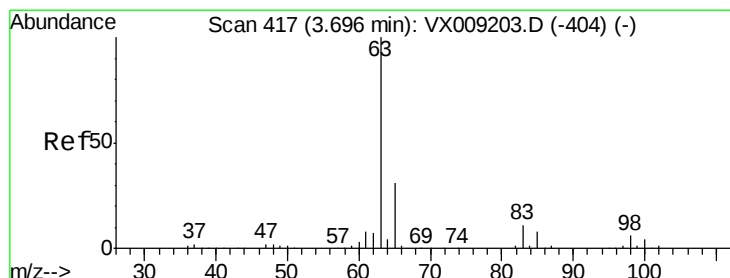
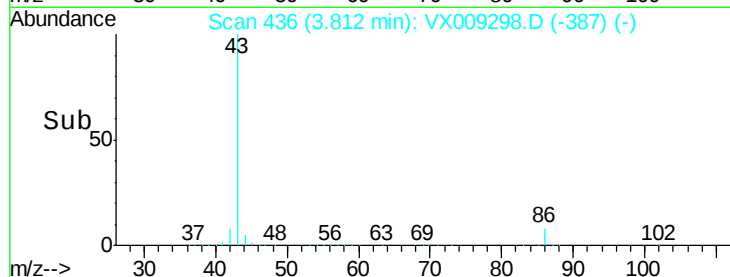
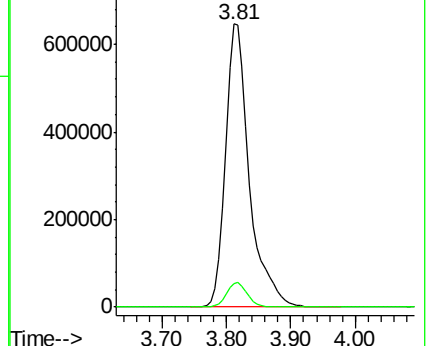
43 100

86 8.4 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.437 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

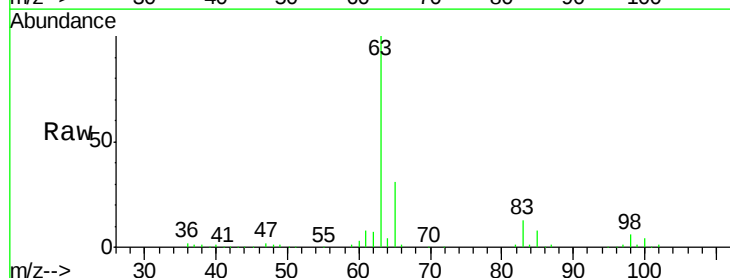
Tgt Ion: 63 Resp: 184780

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

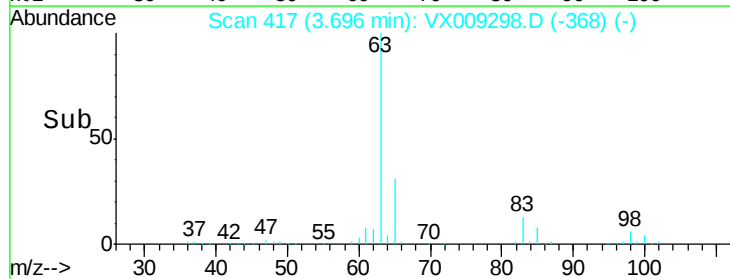
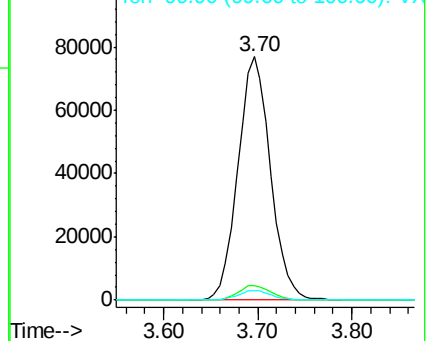
100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 269.746 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

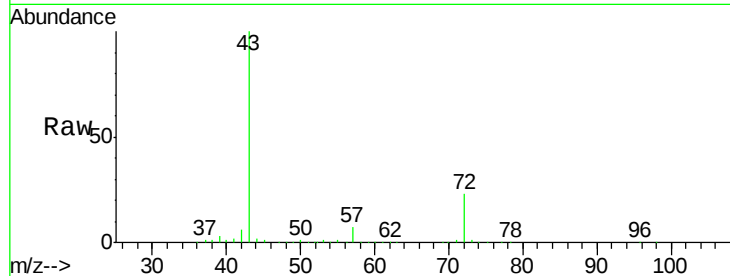
VSTDCCC050EC

Tot Ion: 43 Resp: 508824

Ion Ratio Lower Upper

43 100

72 22.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

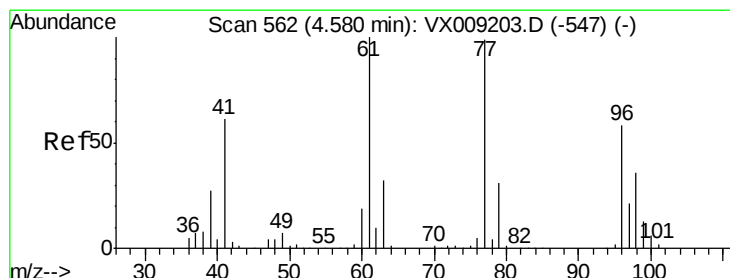
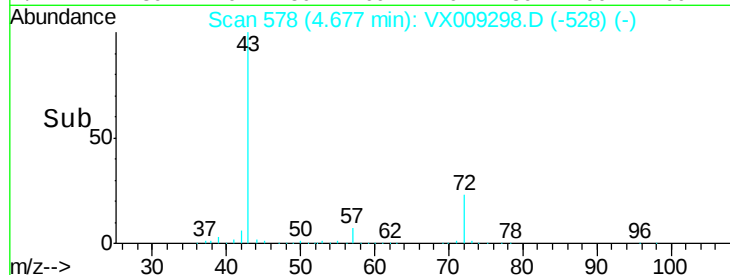
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 36.533 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009298.D

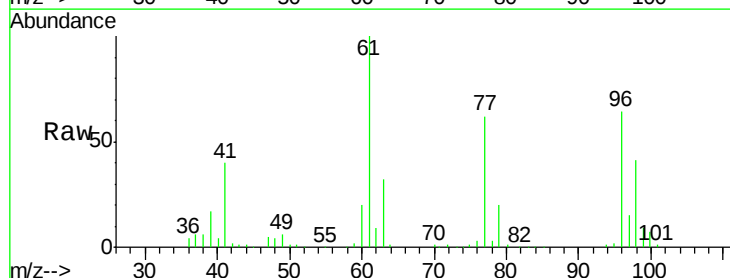
Acq: 03 May 2019 01:03

Tgt Ion: 77 Resp: 97687

Ion Ratio Lower Upper

77 100

97 24.4 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

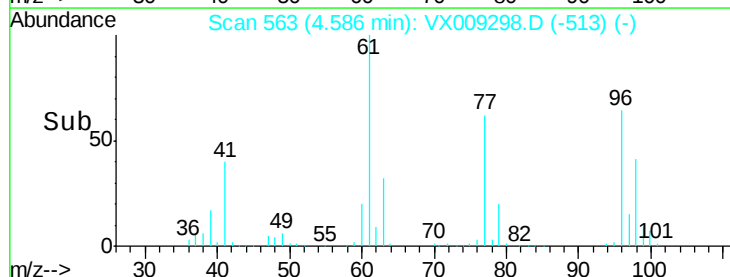
20000

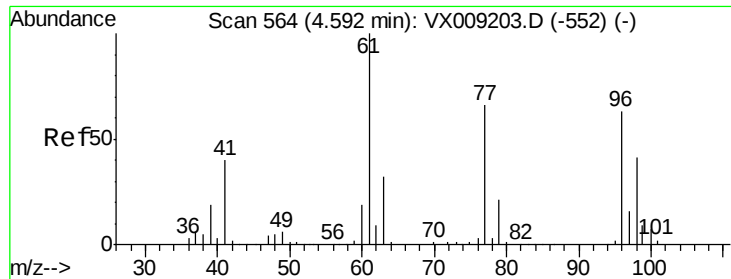
10000

0

4.40 4.50 4.60 4.70

Time-->



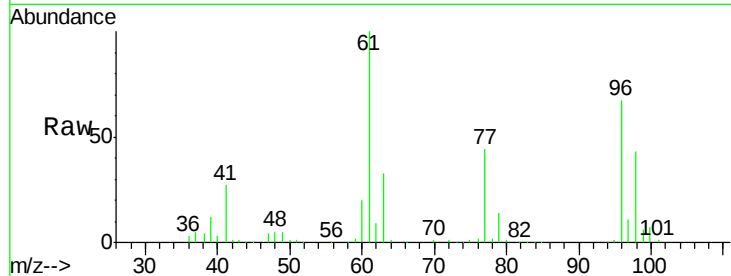


#27

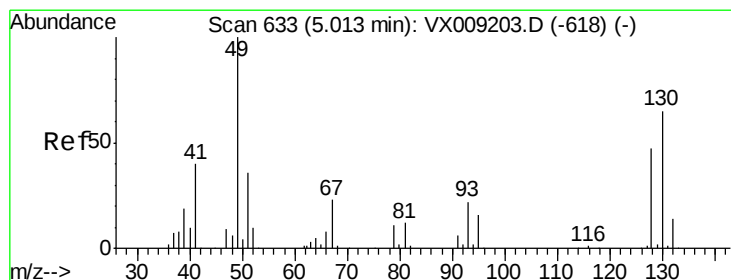
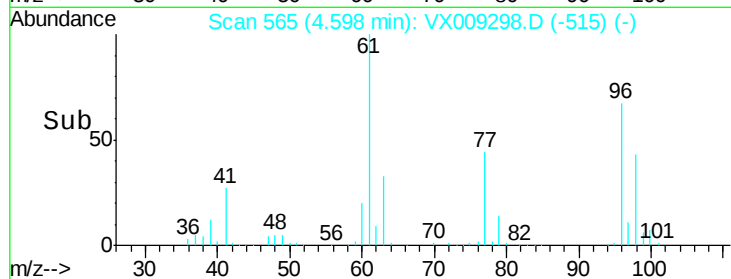
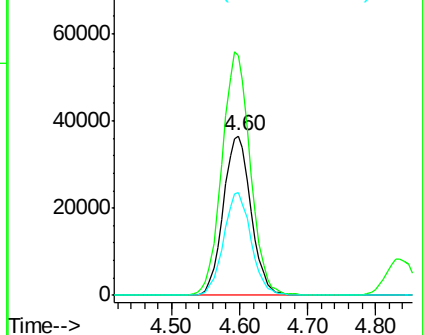
cis-1,2-Dichloroethene
 Concen: 51.327 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 103236
 Ion Ratio Lower Upper
 96 100
 61 156.0 0.0 324.0
 98 64.0 0.0 130.4



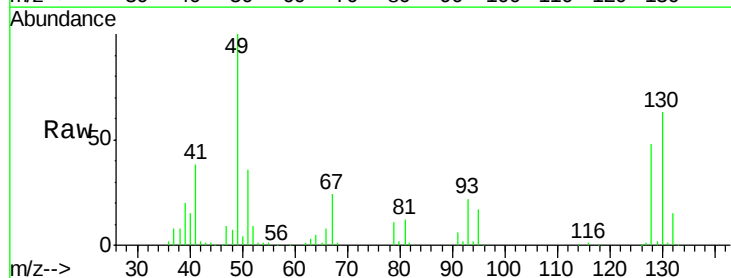
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



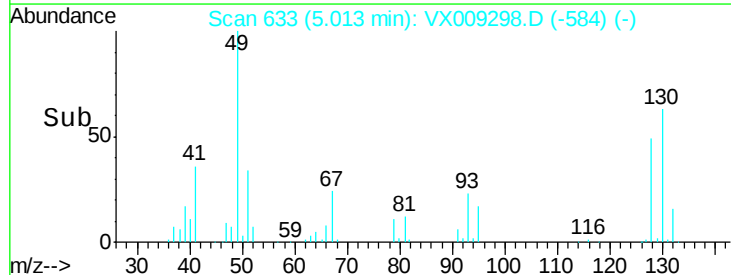
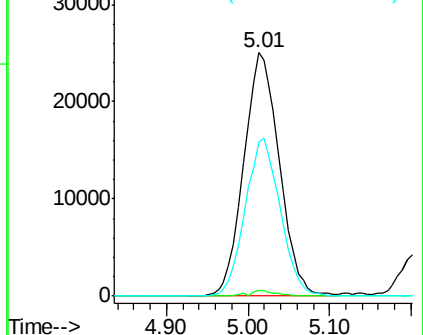
#28

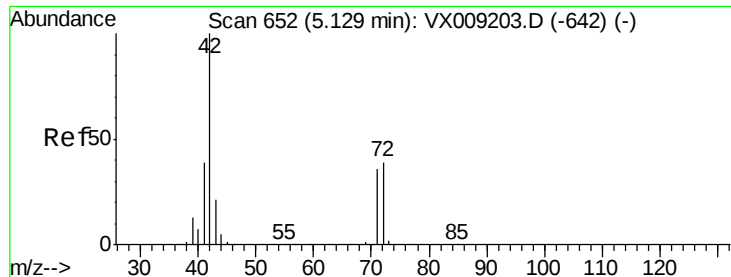
Bromochloromethane
 Concen: 52.772 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion: 49 Resp: 76094
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.8
 130 63.8 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: 277.528 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

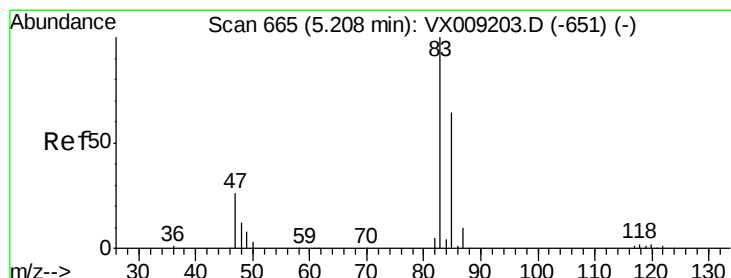
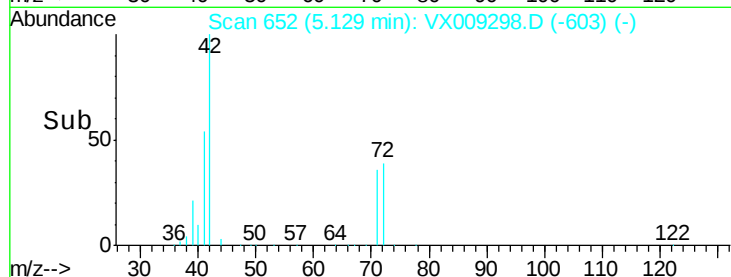
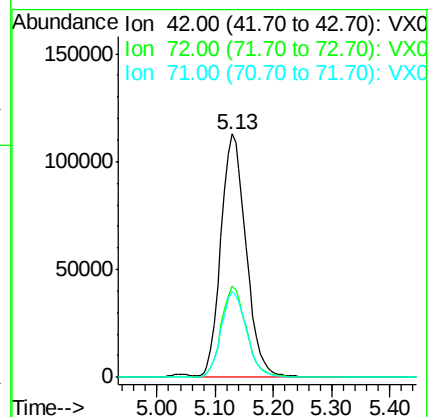
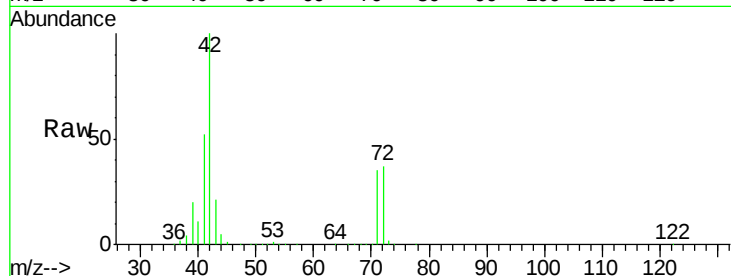
Tot Ion: 42 Resp: 336873

Ion Ratio Lower Upper

42 100

72 37.5 30.4 45.6

71 35.5 28.6 43.0



#30

Chloroform

Concen: 53.018 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009298.D

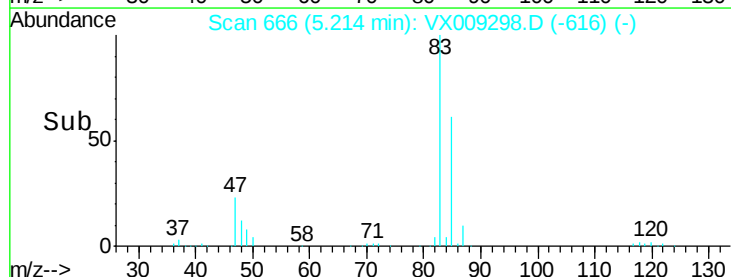
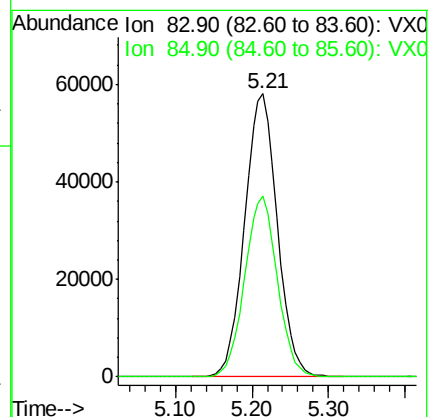
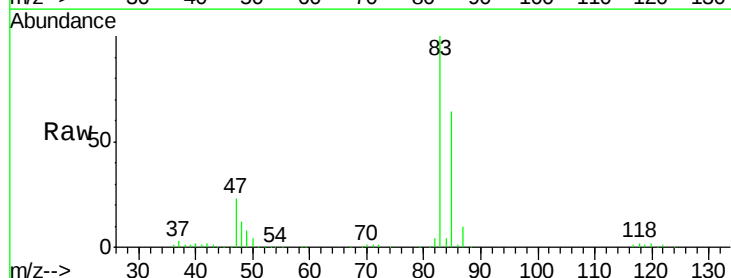
Acq: 03 May 2019 01:03

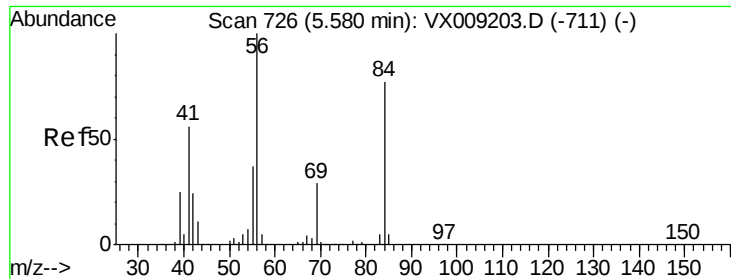
Tgt Ion: 83 Resp: 172257

Ion Ratio Lower Upper

83 100

85 64.0 51.5 77.3

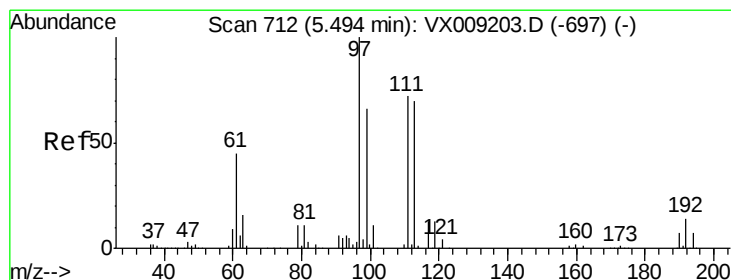
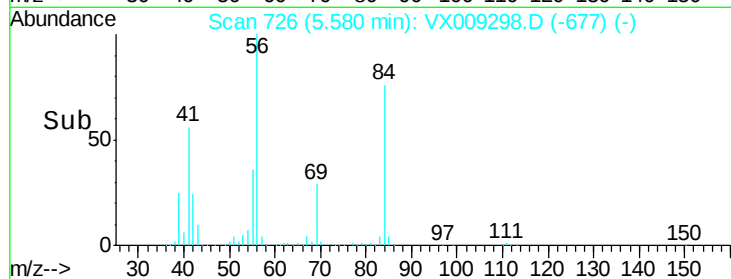
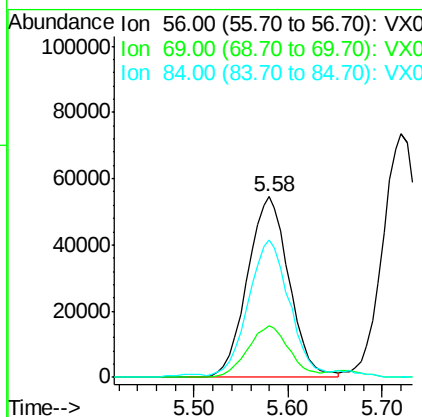
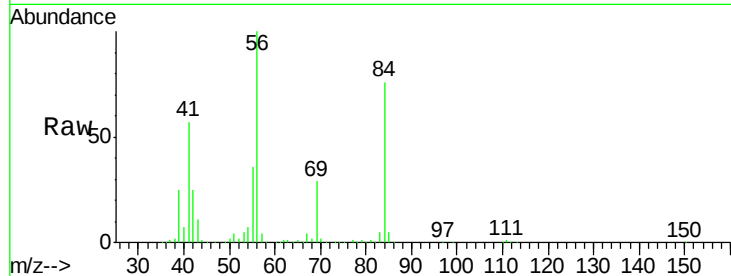




#31
Cyclohexane
Concen: 50.418 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

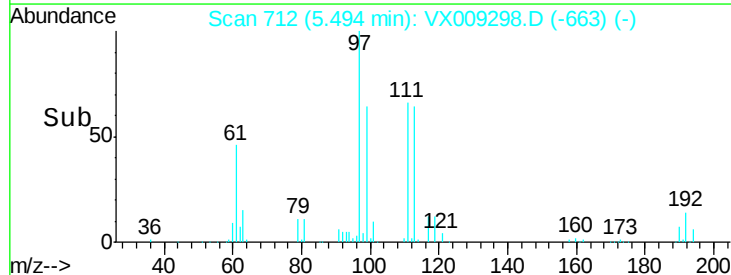
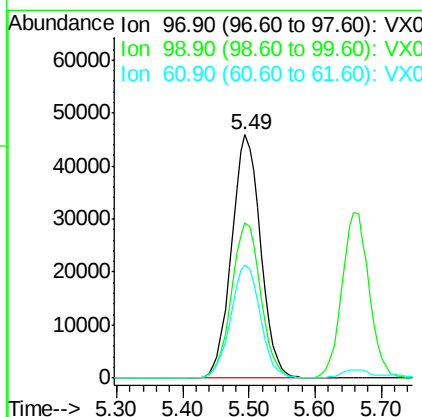
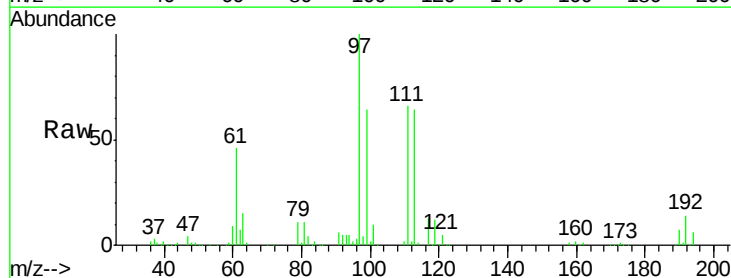
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

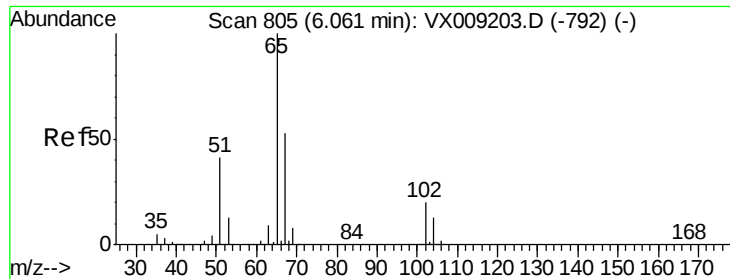
Tot Ion: 56 Resp: 168507
Ion Ratio Lower Upper
56 100
69 28.6 23.4 35.0
84 74.6 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 51.527 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 97 Resp: 139363
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.8
61 47.8 37.8 56.8





#33

1,2-Dichloroethane-d4

Concen: 51.739 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

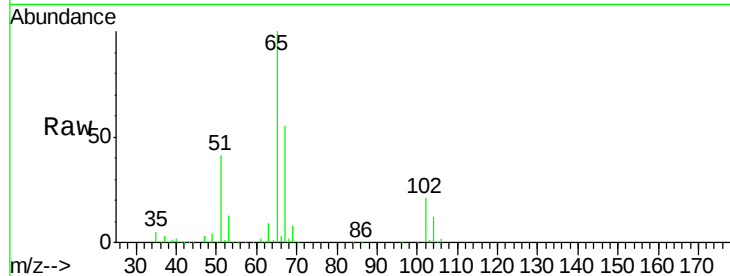
VSTDCCC050EC

Tot Ion: 65 Resp: 116962

Ion Ratio Lower Upper

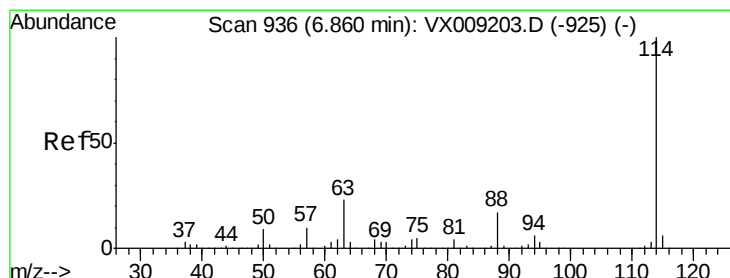
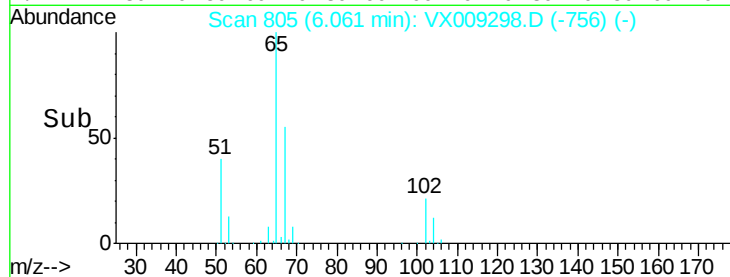
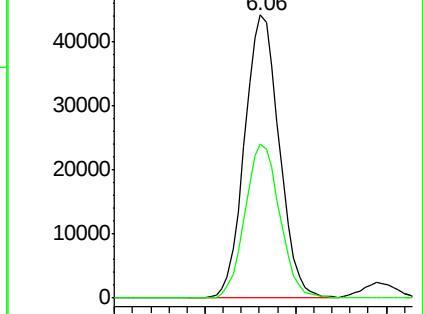
65 100

67 54.7 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: VX009298.D

Acq: 03 May 2019 01:03

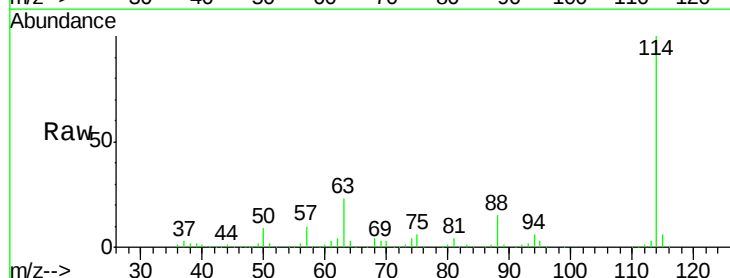
Tgt Ion: 114 Resp: 274720

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

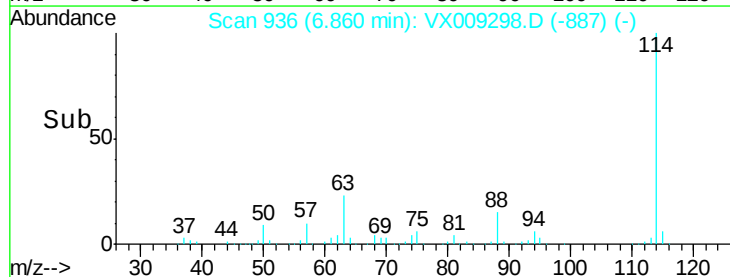
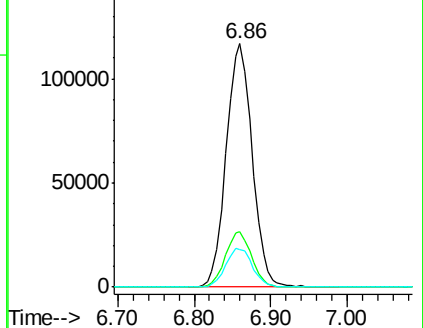
88 15.4 0.0 33.2



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

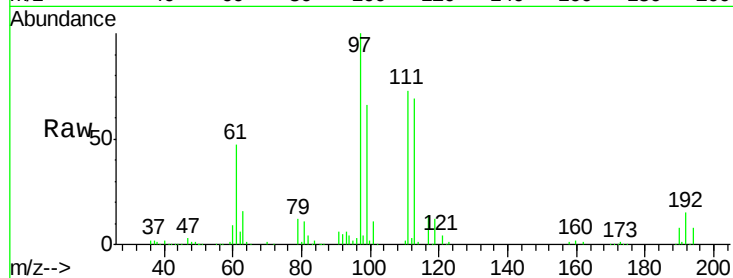




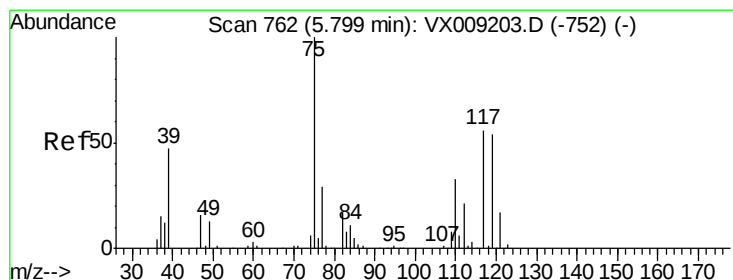
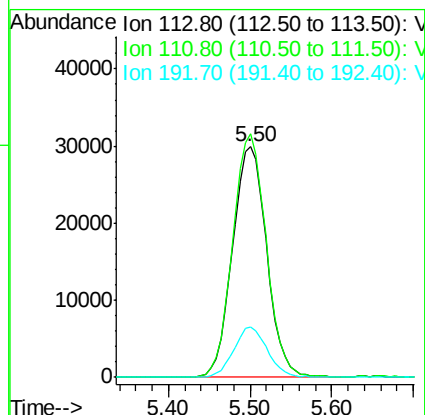
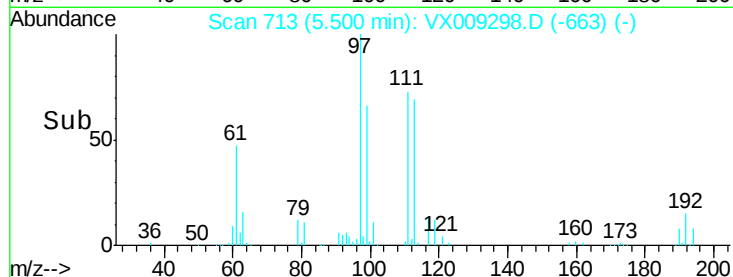
#35
 Dibromofluoromethane
 Concen: 50.303 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 86874
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.8 124.2
 192 21.4 17.0 25.6

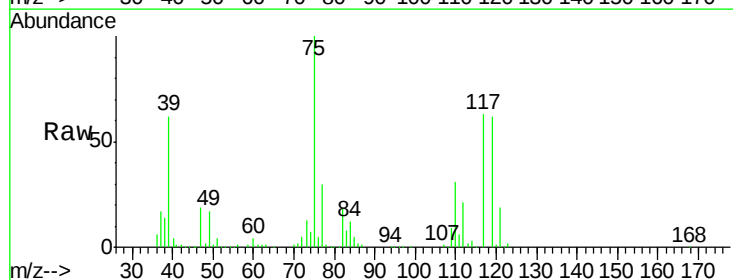


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

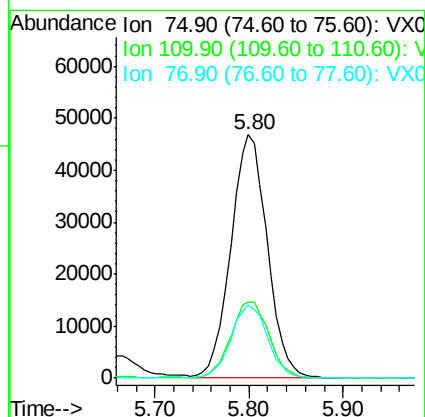
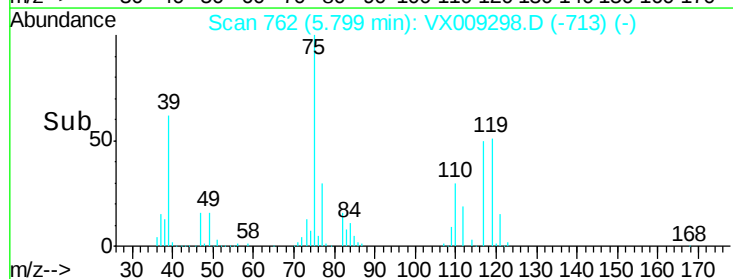


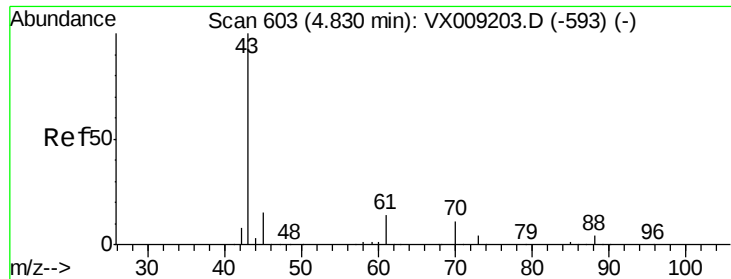
#36
 1,1-Dichloropropene
 Concen: 49.077 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion: 75 Resp: 125295
 Ion Ratio Lower Upper
 75 100
 110 33.4 16.9 50.6
 77 30.7 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

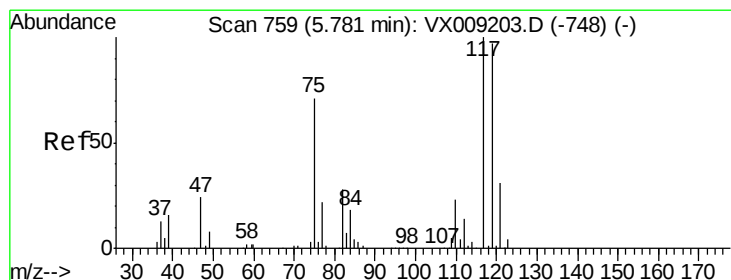
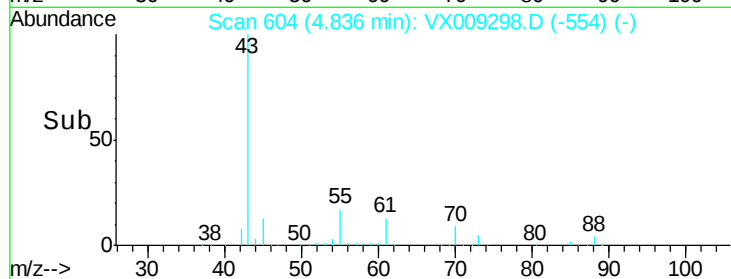
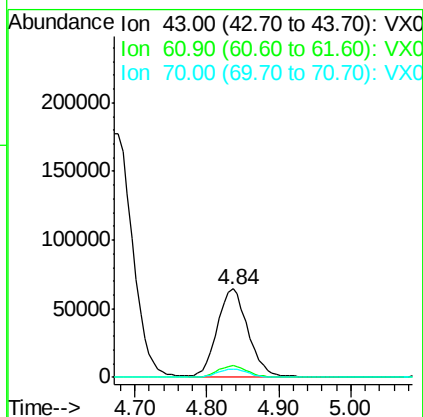
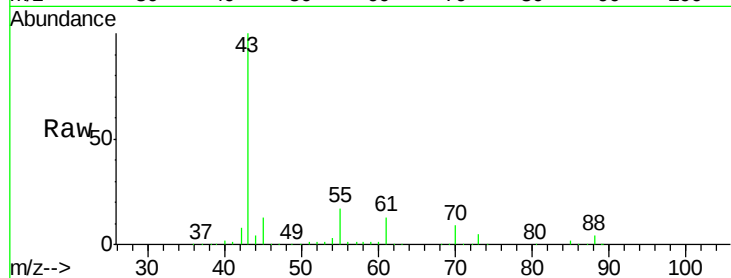




#37
Ethyl Acetate
Concen: 53.559 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

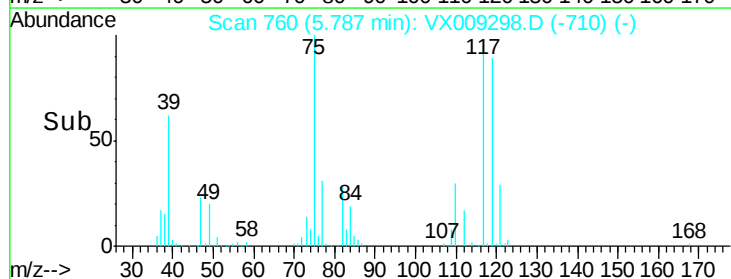
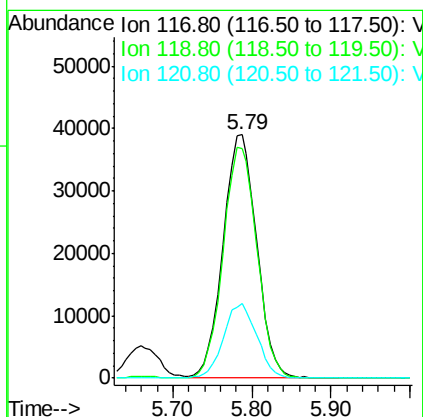
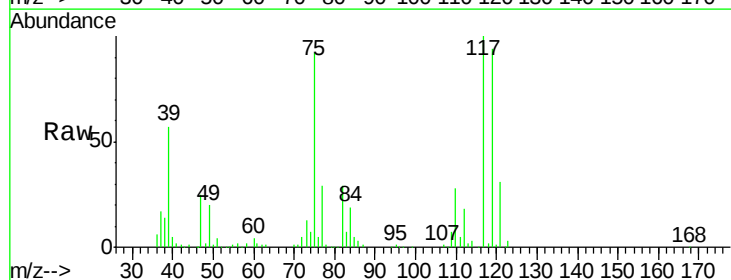
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 190513
Ion Ratio Lower Upper
43 100
61 12.7 10.5 15.7
70 9.4 7.9 11.9



#38
Carbon Tetrachloride
Concen: 50.023 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 117 Resp: 116031
Ion Ratio Lower Upper
117 100
119 94.4 77.5 116.3
121 30.6 24.7 37.1

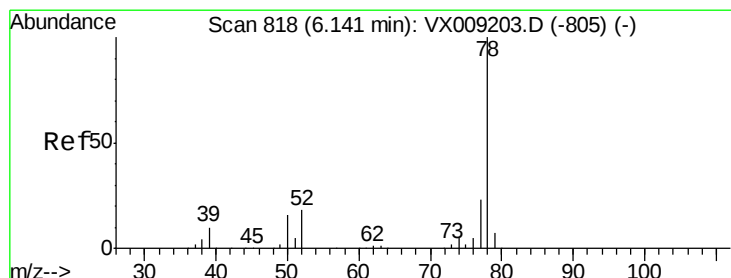
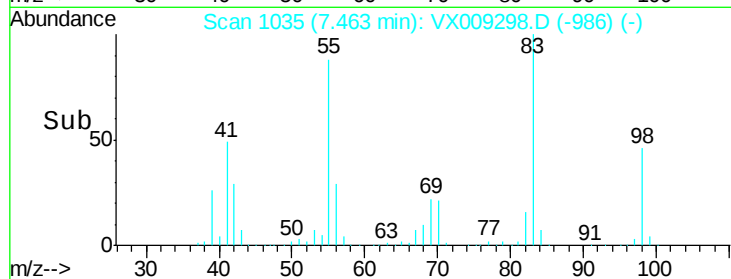
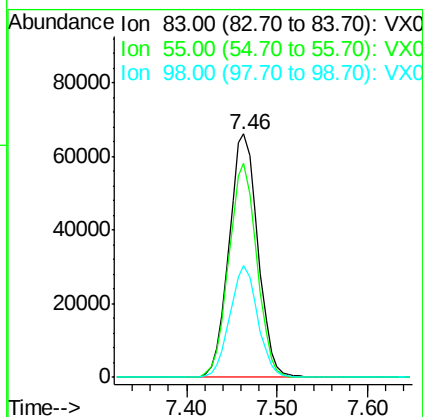
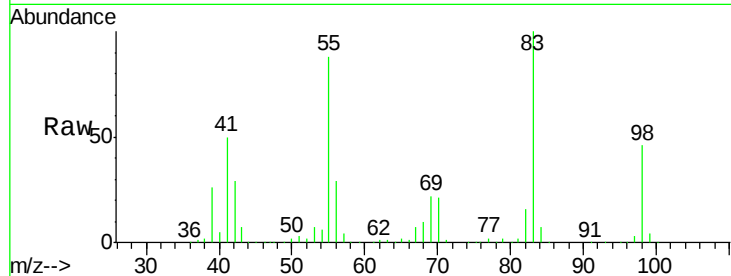




#39
Methvlcvclohexane
Concen: 46.441 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

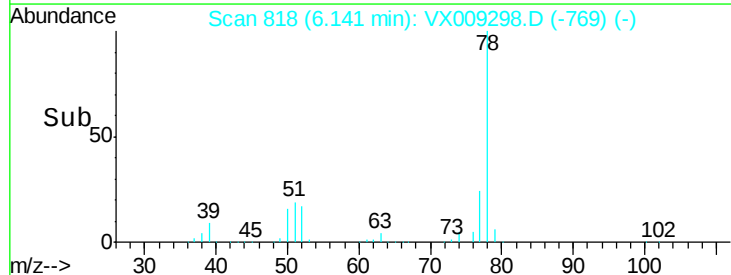
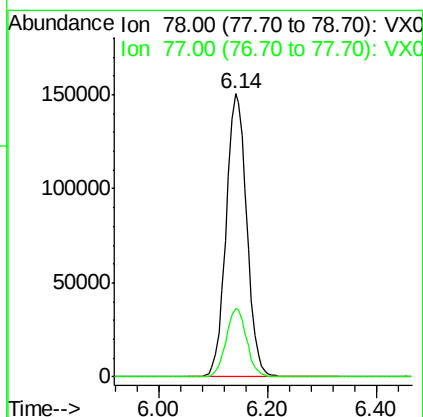
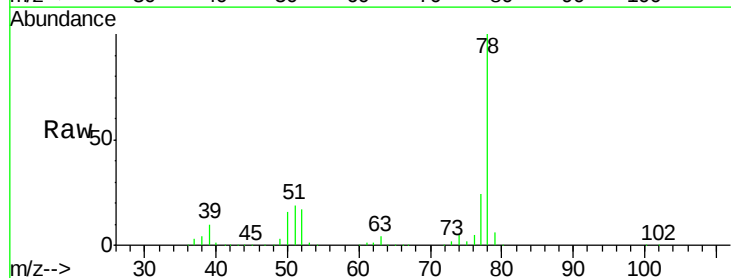
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

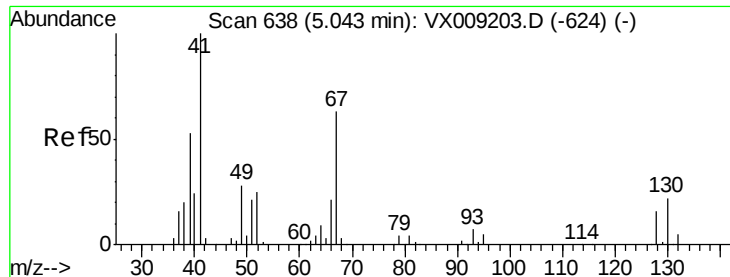
Tot Ion: 83 Resp: 145608
Ion Ratio Lower Upper
83 100
55 88.0 67.7 101.5
98 46.0 35.5 53.3



#40
Benzene
Concen: 50.257 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 78 Resp: 397091
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2





#41

Methacrylonitrile

Concen: 50.660 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 107269

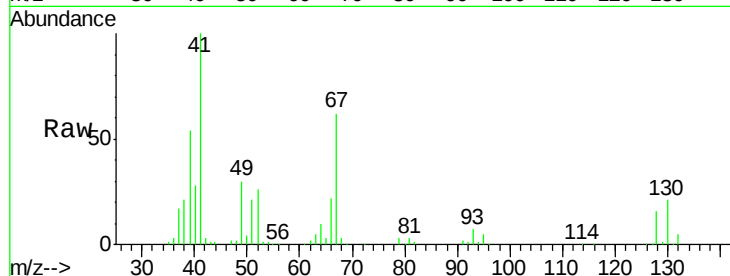
Ion Ratio Lower Upper

41 100

39 52.9 42.0 63.0

67 63.3 49.8 74.8

52 26.8 20.3 30.5

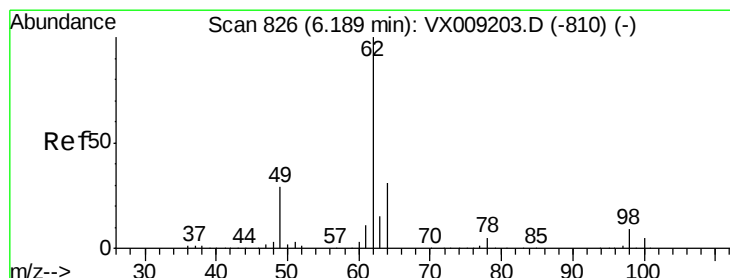
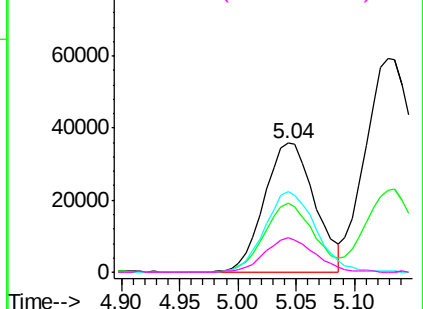
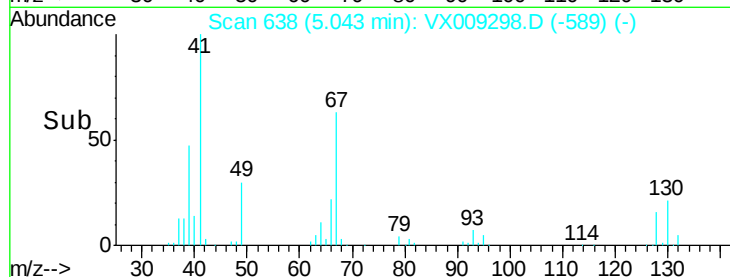


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 51.080 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX009298.D

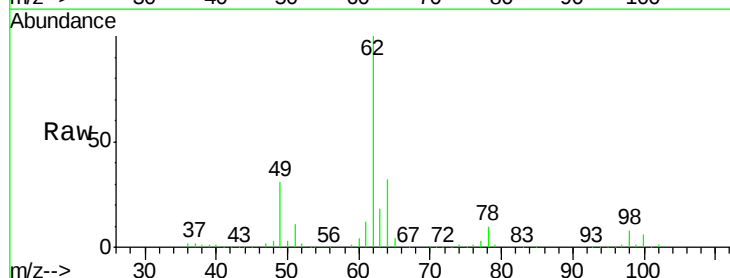
Acq: 03 May 2019 01:03

Tgt Ion: 62 Resp: 144775

Ion Ratio Lower Upper

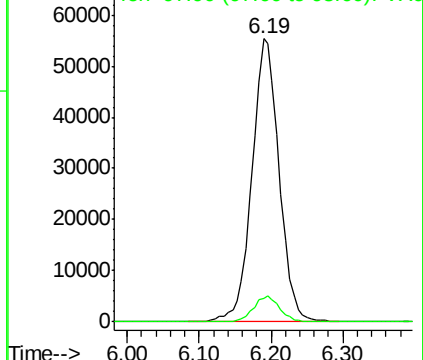
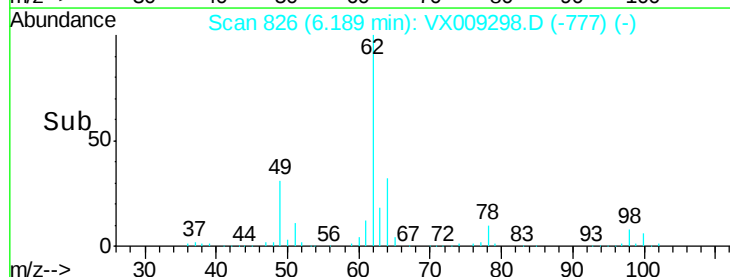
62 100

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: 52.781 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

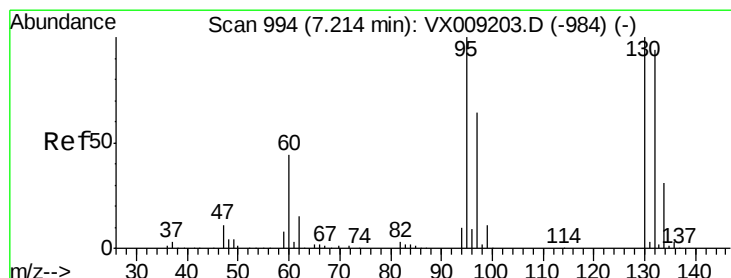
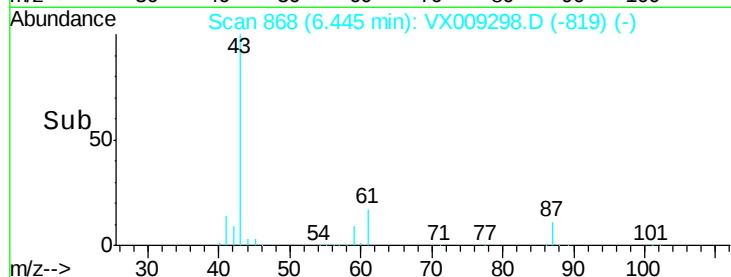
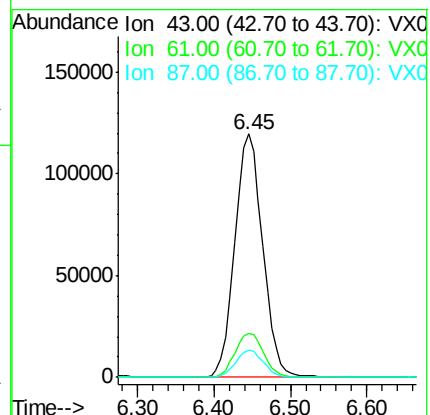
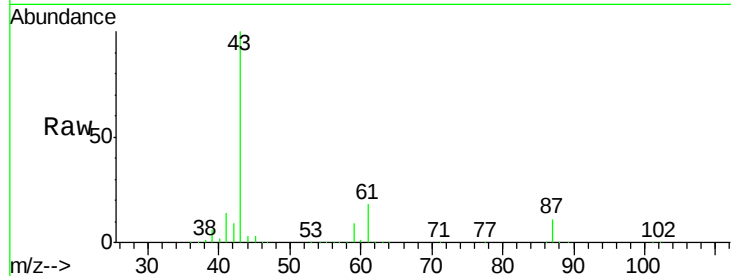
Tot Ion: 43 Resp: 300314

Ion Ratio Lower Upper

43 100

61 18.8 15.1 22.7

87 11.2 9.0 13.6



#44

Trichloroethene

Concen: 48.796 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009298.D

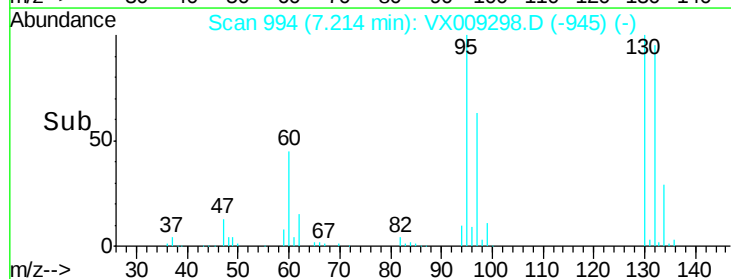
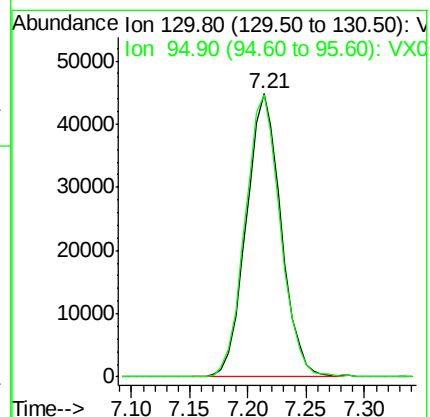
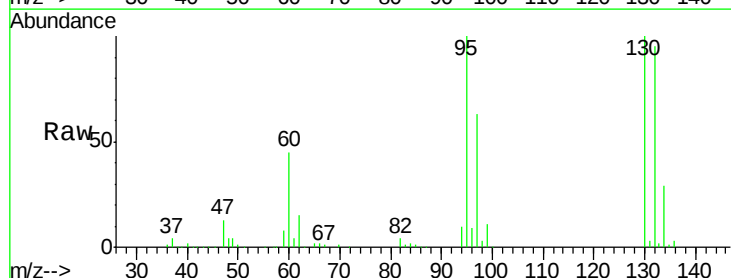
Acq: 03 May 2019 01:03

Tgt Ion:130 Resp: 93206

Ion Ratio Lower Upper

130 100

95 99.7 0.0 199.2





#45

1,2-Dichloropropane

Concen: 50.636 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

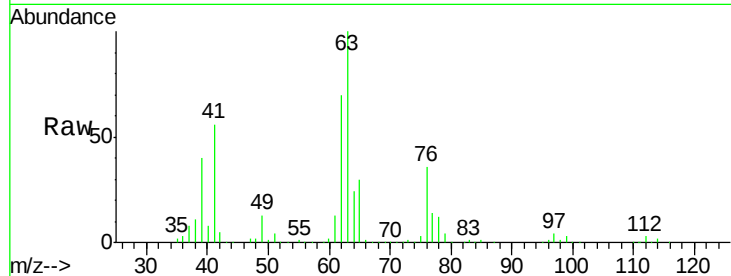
VSTDCCC050EC

Tot Ion: 63 Resp: 113287

Ion Ratio Lower Upper

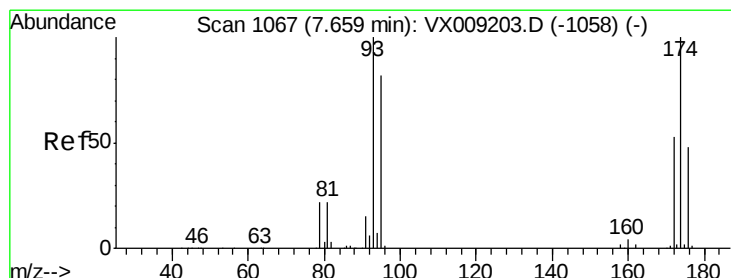
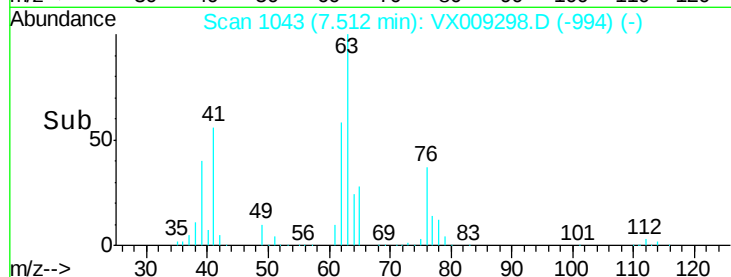
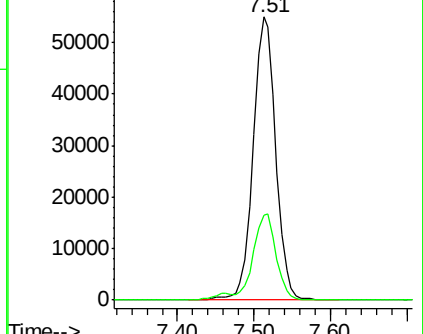
63 100

65 30.0 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: 49.995 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

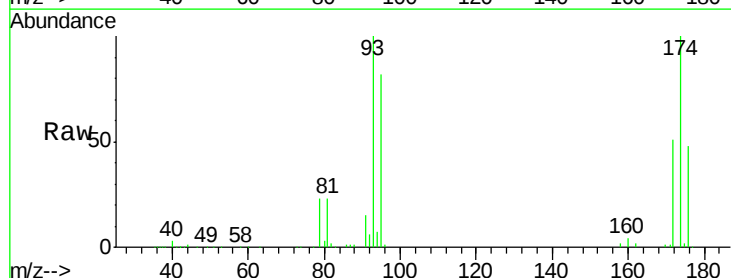
Tgt Ion: 93 Resp: 64954

Ion Ratio Lower Upper

93 100

95 83.2 66.5 99.7

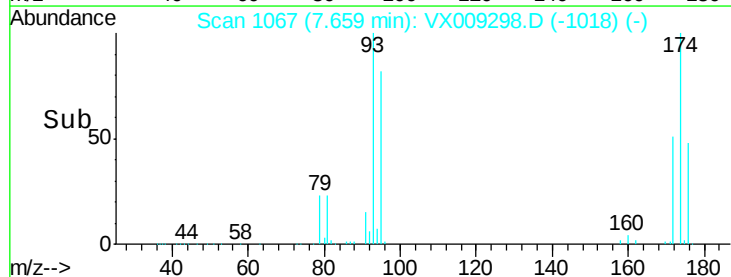
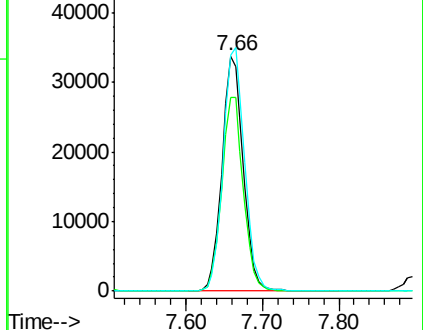
174 103.7 82.1 123.1

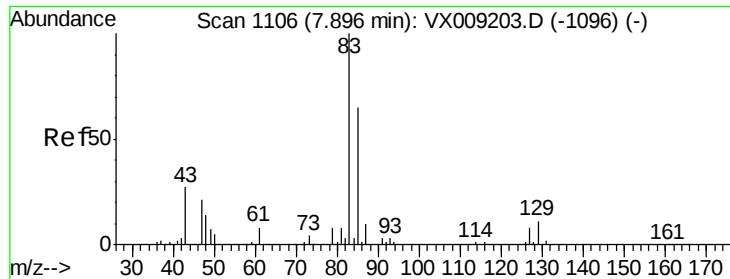


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.358 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

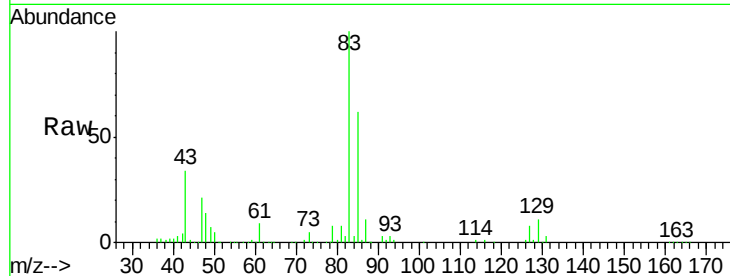
Tot Ion: 83 Resp: 133097

Ion Ratio Lower Upper

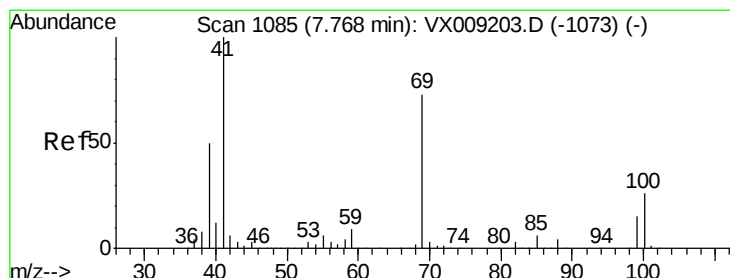
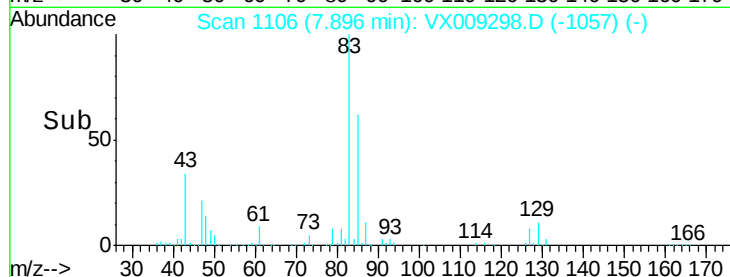
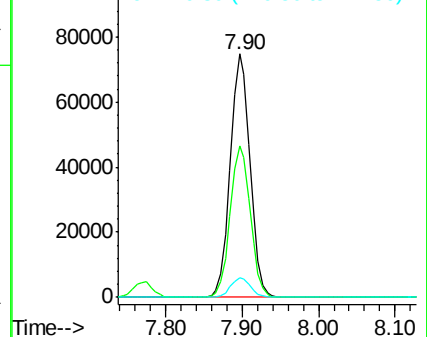
83 100

85 62.2 52.4 78.6

127 7.8 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: 53.324 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

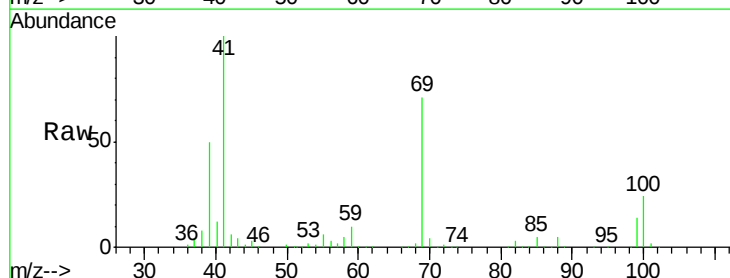
Tgt Ion: 41 Resp: 150524

Ion Ratio Lower Upper

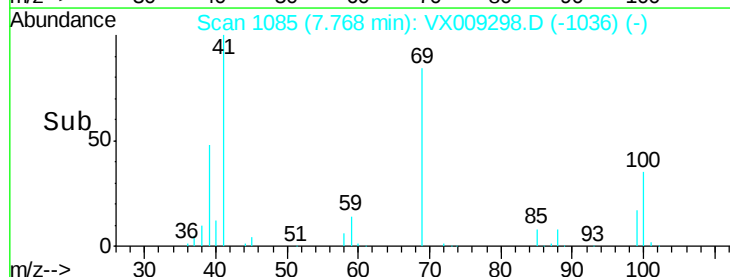
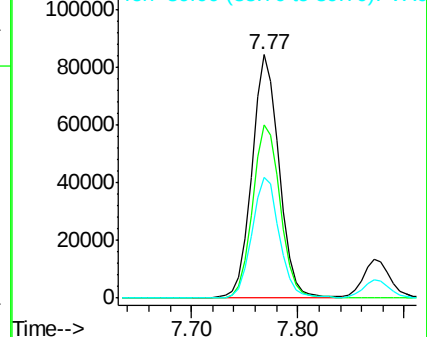
41 100

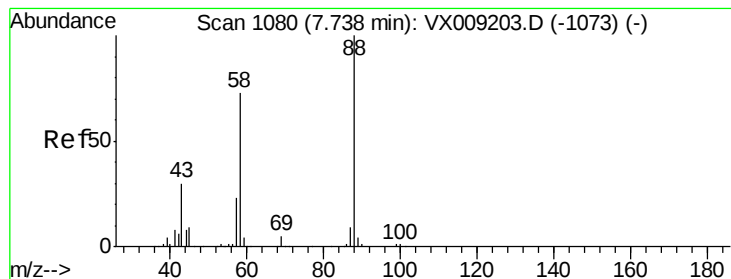
69 73.1 59.1 88.7

39 49.9 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: 1065.983 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

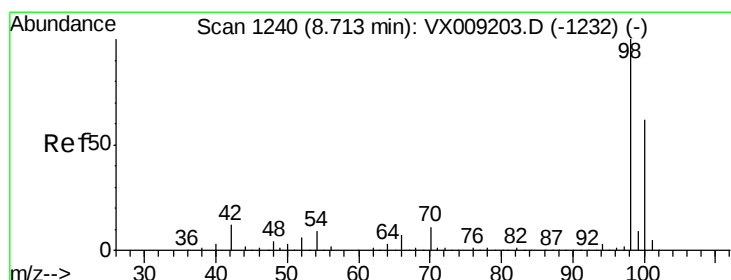
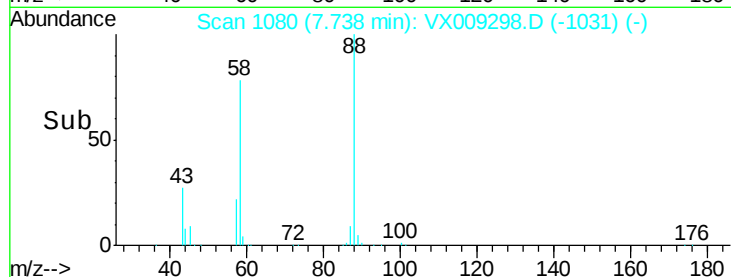
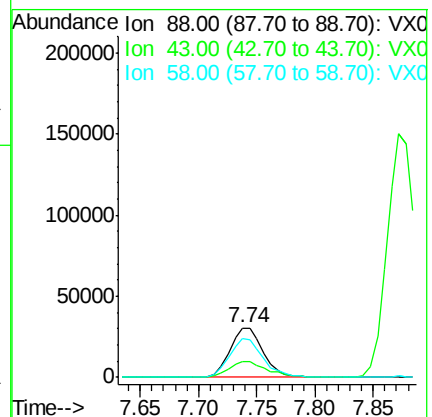
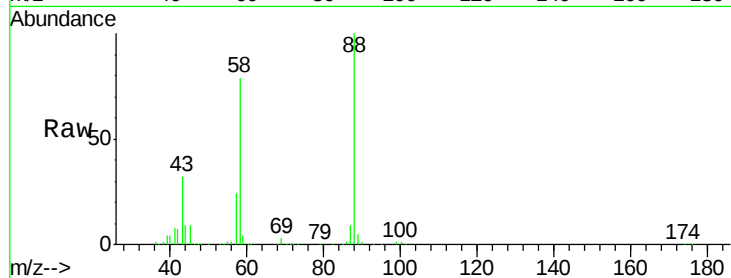
Tot Ion: 88 Resp: 61024

Ion Ratio Lower Upper

88 100

43 36.3 28.6 42.8

58 78.7 61.7 92.5



#50

Toluene-d8

Concen: 50.559 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009298.D

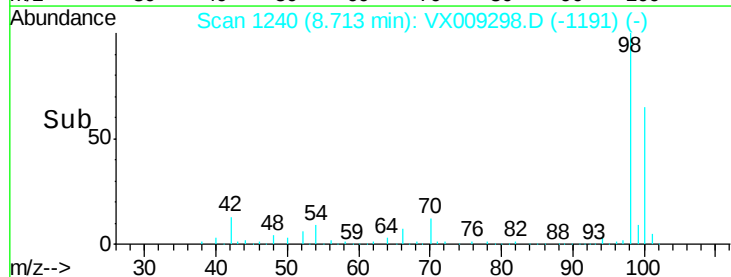
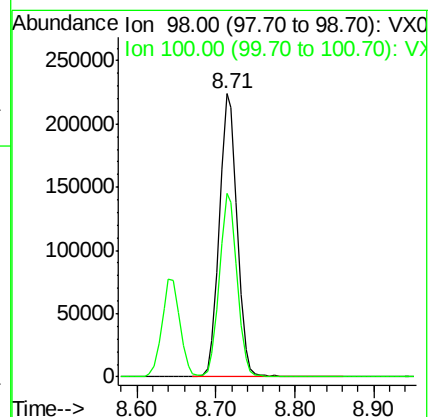
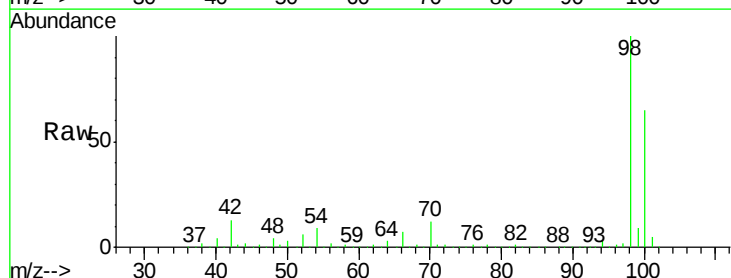
Acq: 03 May 2019 01:03

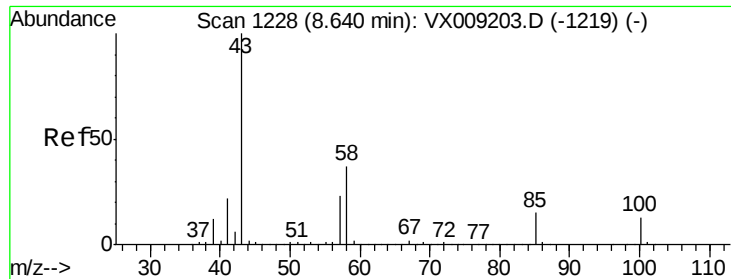
Tgt Ion: 98 Resp: 352517

Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 268.496 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

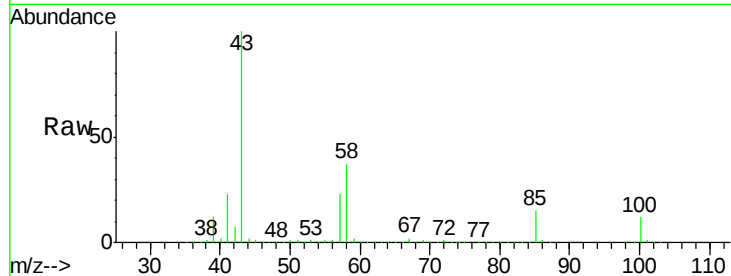
VSTDCCC050EC

Tot Ion: 43 Resp: 998524

Ion Ratio Lower Upper

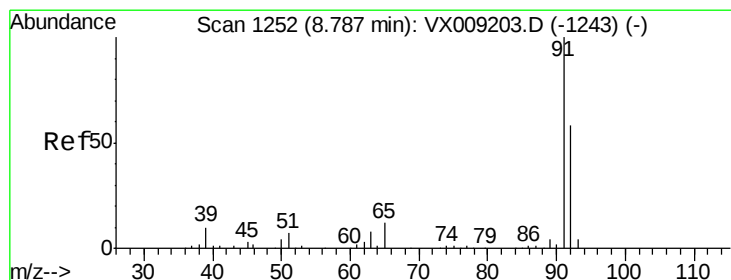
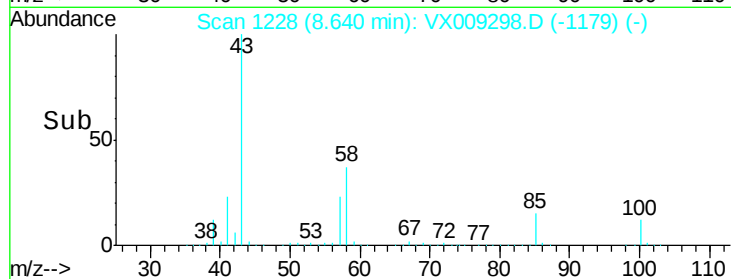
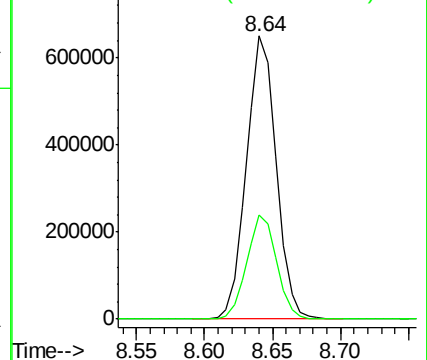
43 100

58 36.8 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.848 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009298.D

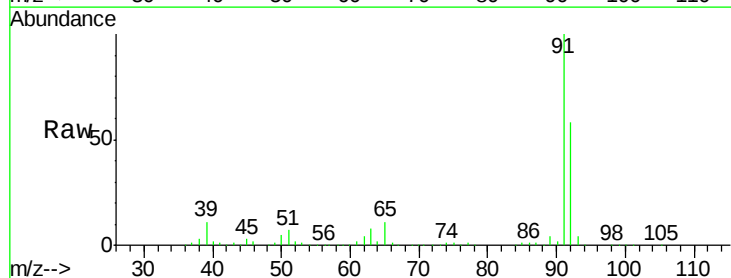
Acq: 03 May 2019 01:03

Tgt Ion: 92 Resp: 239415

Ion Ratio Lower Upper

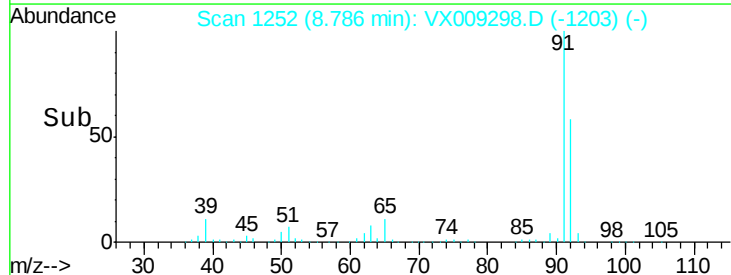
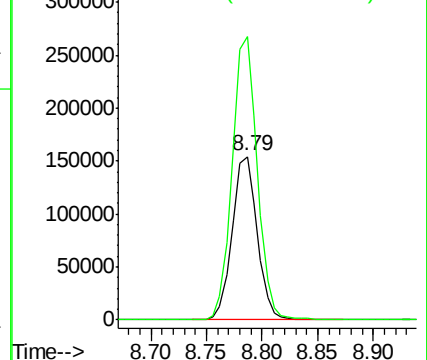
92 100

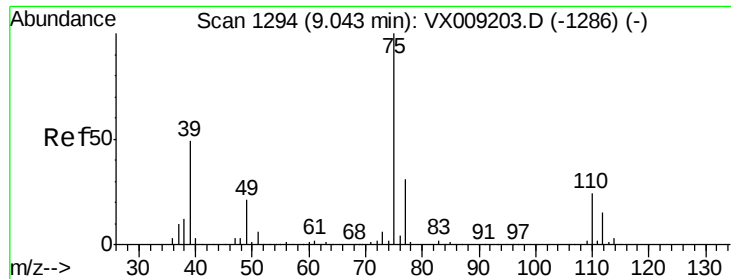
91 174.3 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

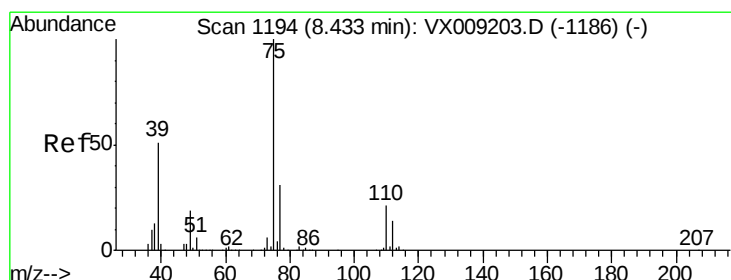
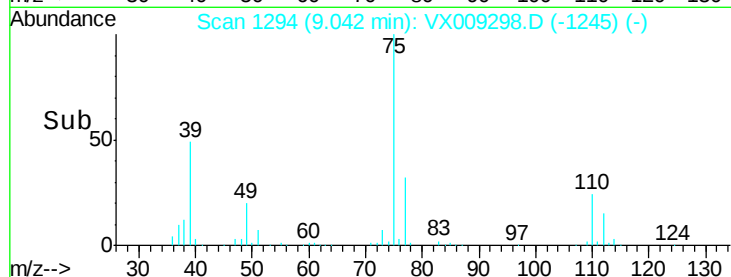
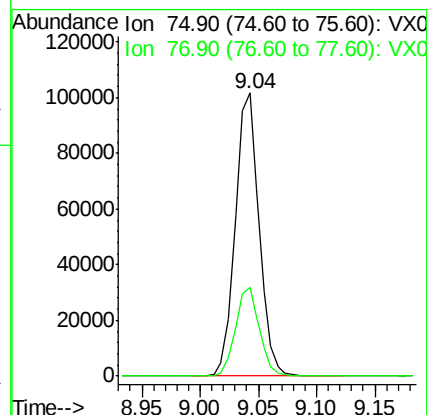
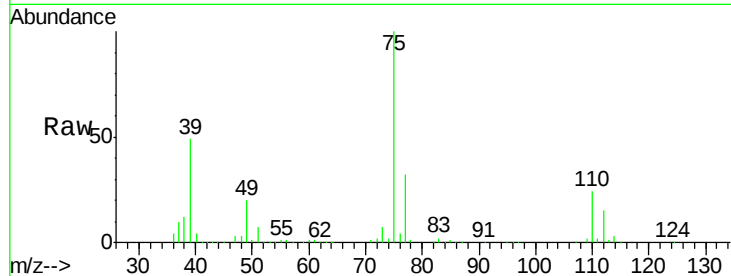




#53
t-1,3-Dichloropropene
Concen: 49.625 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

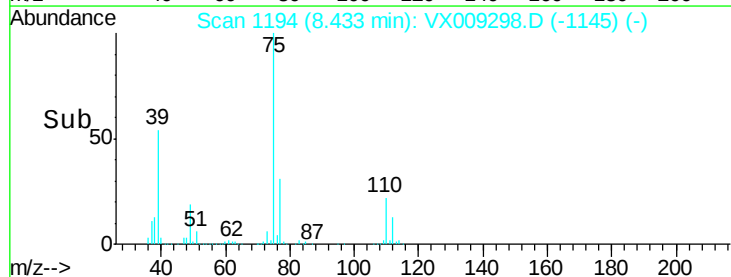
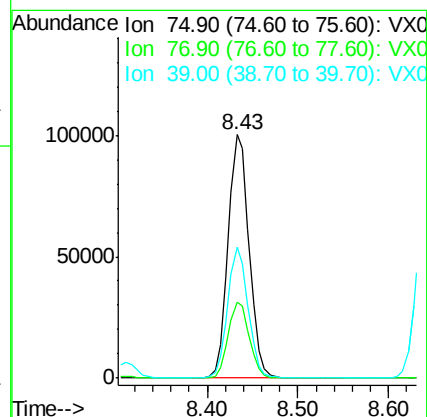
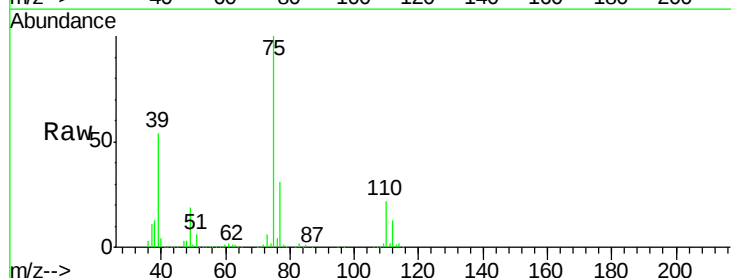
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 145199
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 49.882 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 75 Resp: 161544
Ion Ratio Lower Upper
75 100
77 31.2 24.6 36.8
39 53.8 40.6 60.8





#55

1,1,2-Trichloroethane

Concen: 50.304 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 98568

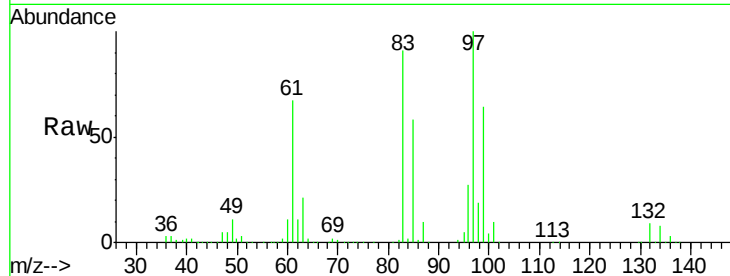
Ion Ratio Lower Upper

97 100

83 90.7 68.9 103.3

85 58.0 43.8 65.6

99 64.1 48.2 72.2

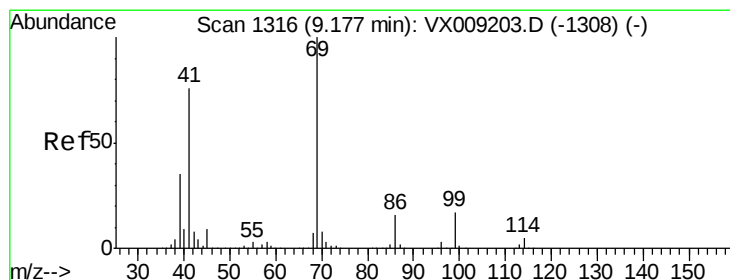
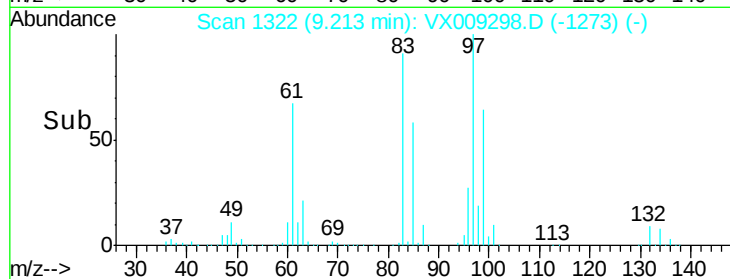
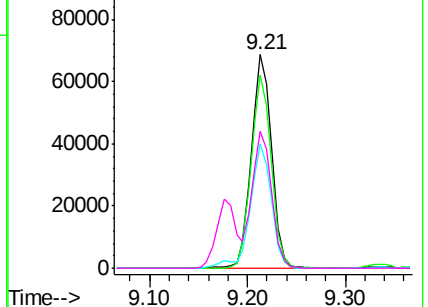


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 53.115 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

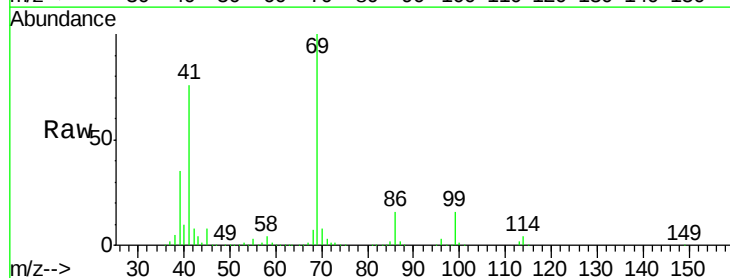
Tgt Ion: 69 Resp: 185782

Ion Ratio Lower Upper

69 100

41 76.8 60.6 90.8

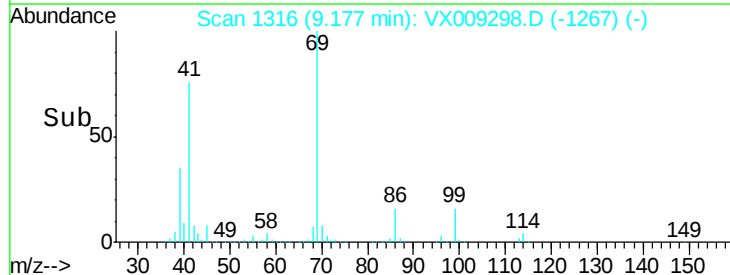
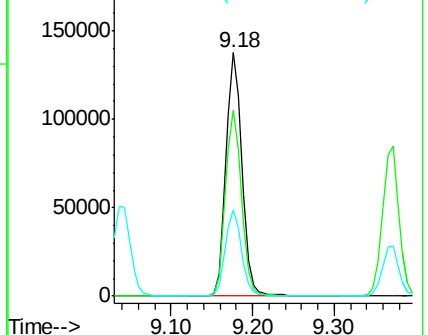
39 35.9 28.2 42.4

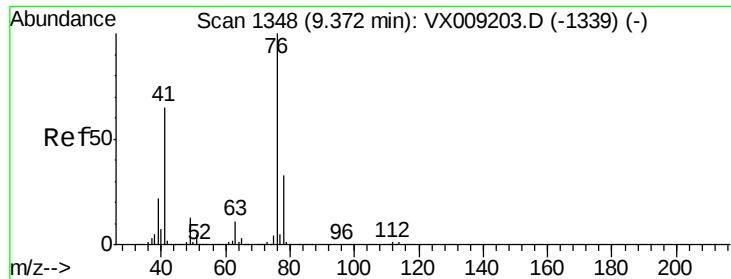


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.334 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

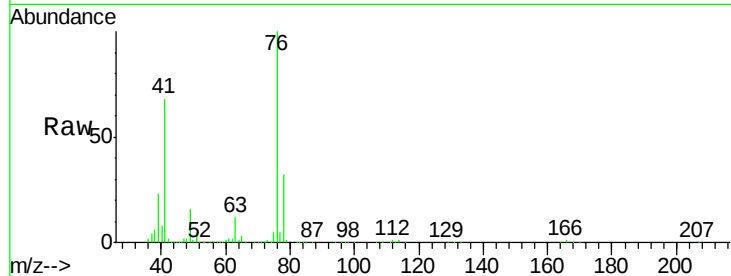
VSTDCCC050EC

Tot Ion: 76 Resp: 177007

Ion Ratio Lower Upper

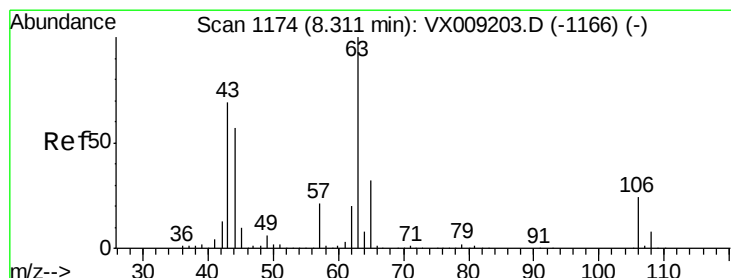
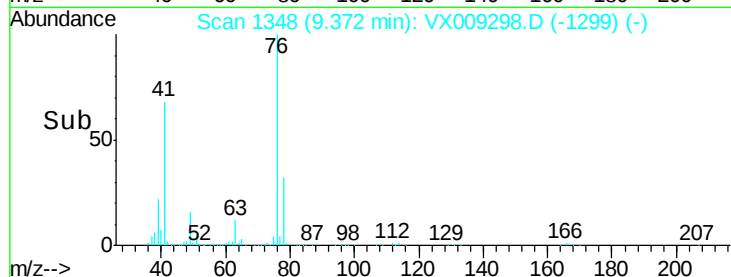
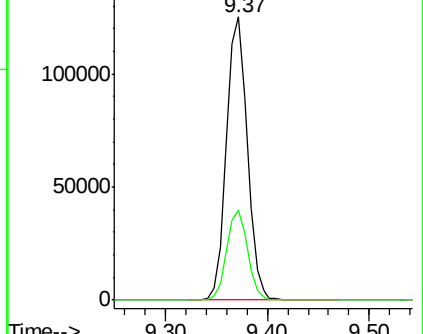
76 100

78 31.6 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 261.315 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009298.D

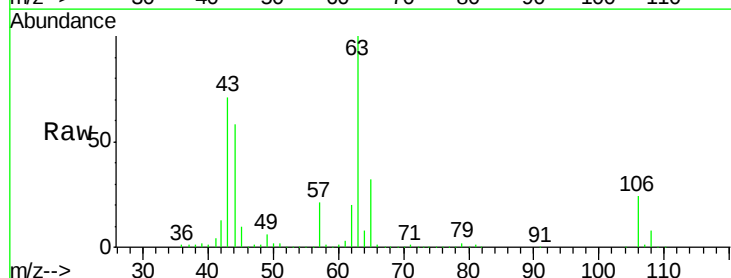
Acq: 03 May 2019 01:03

Tgt Ion: 63 Resp: 484876

Ion Ratio Lower Upper

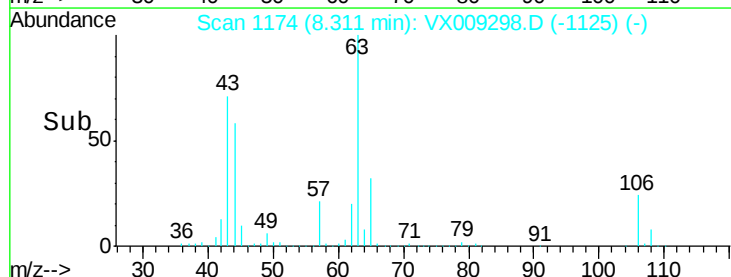
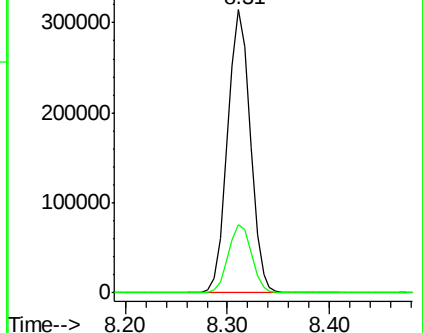
63 100

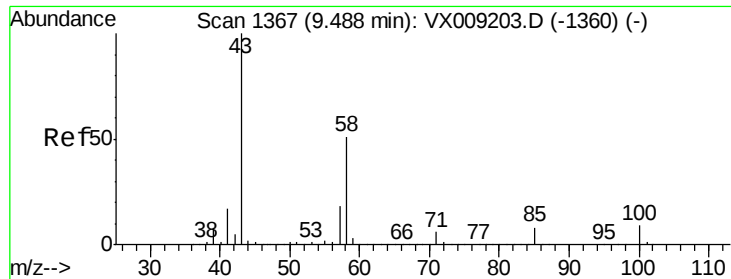
106 24.7 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

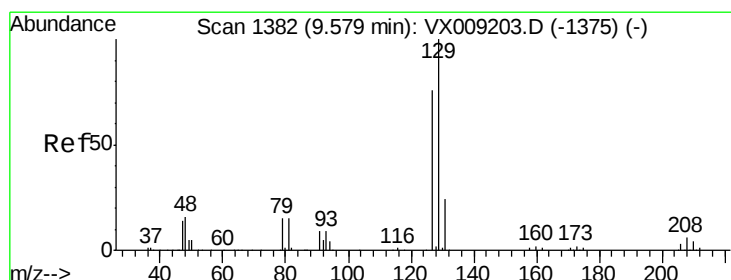
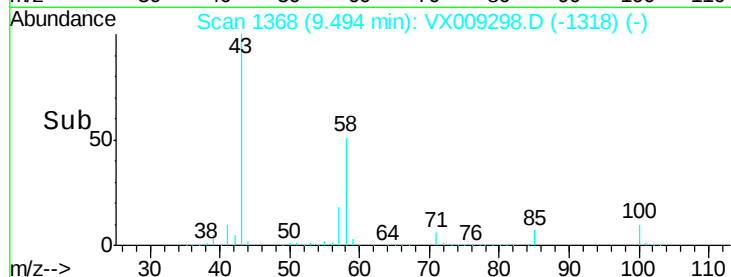
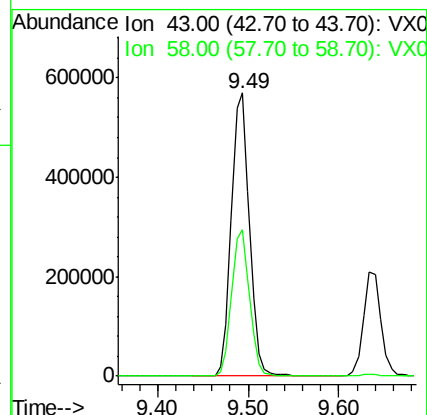
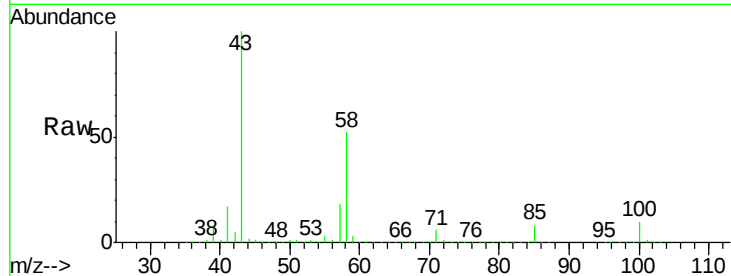




#59
2-Hexanone
Concen: 269.917 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

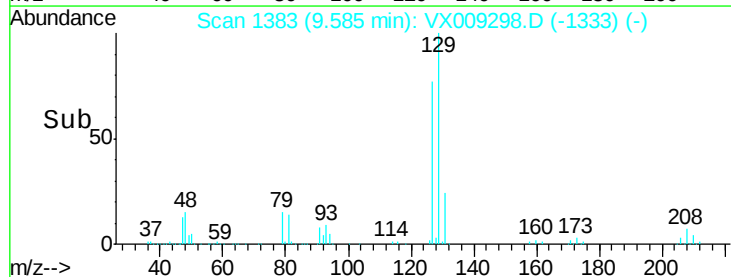
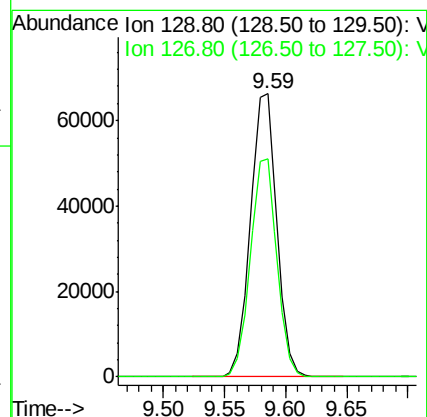
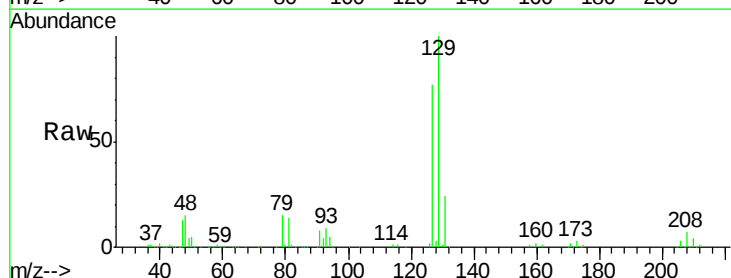
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

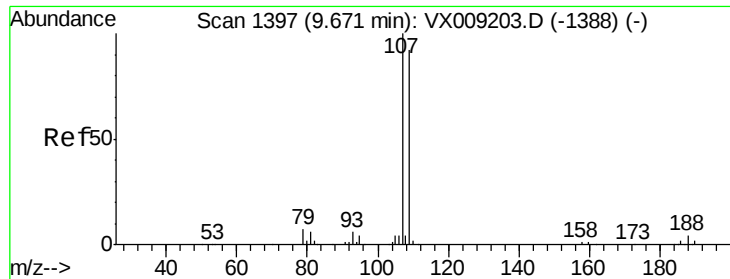
Tot Ion: 43 Resp: 788380
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7



#60
Dibromochloromethane
Concen: 52.170 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 129 Resp: 99840
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 51.061 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

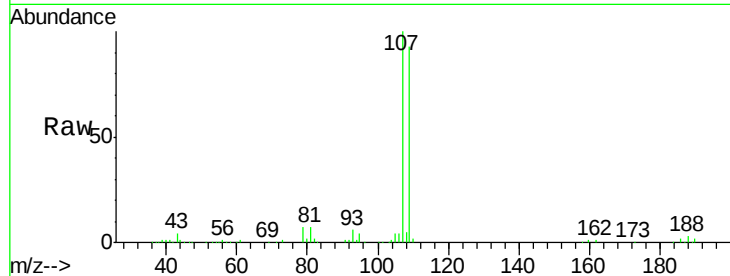
VSTDCCC050EC

Tot Ion:107 Resp: 100995

Ion Ratio Lower Upper

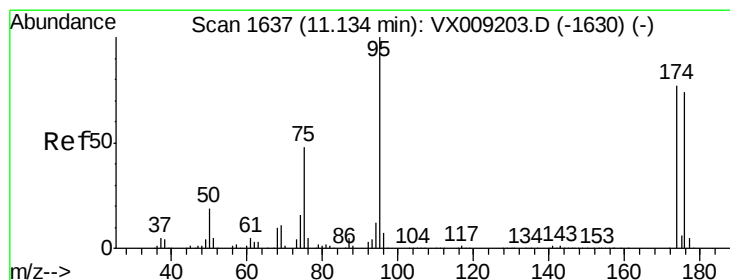
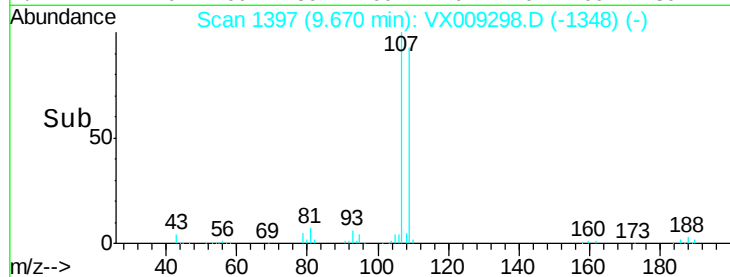
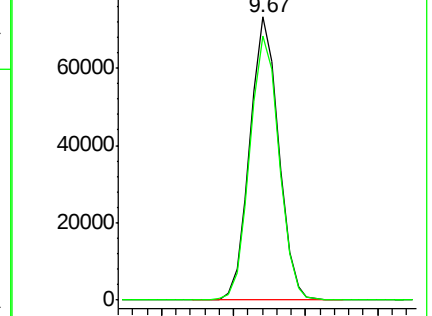
107 100

109 94.8 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: 50.067 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

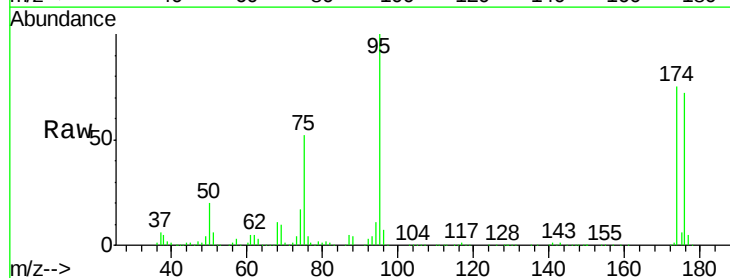
Tgt Ion: 95 Resp: 126844

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.6

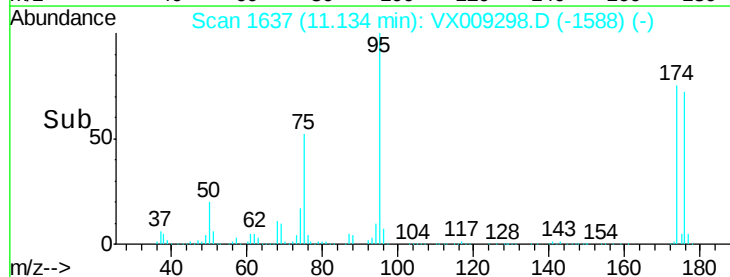
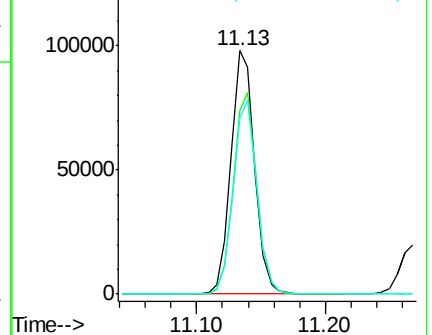
176 79.2 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

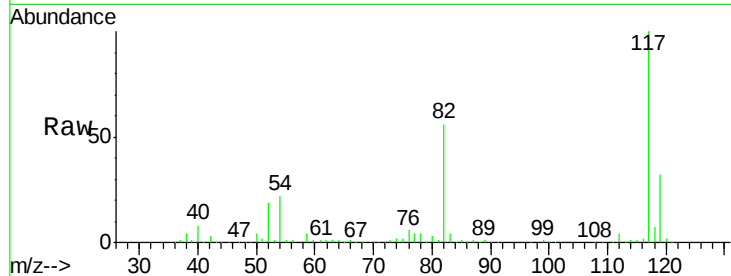




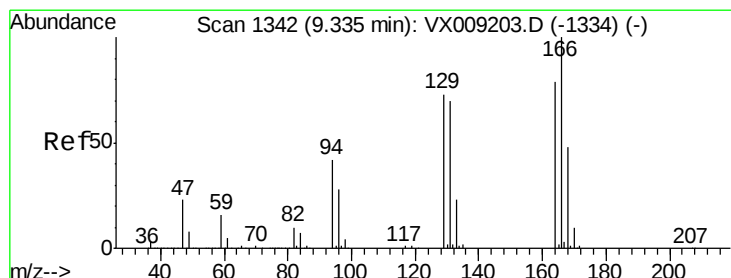
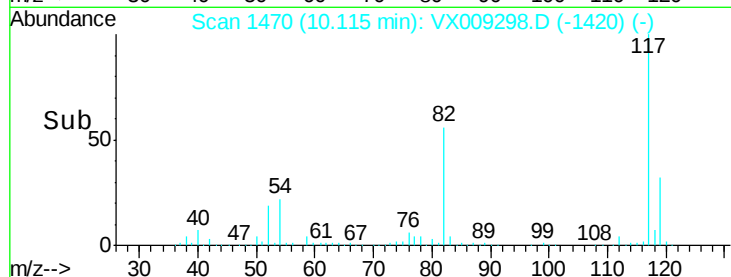
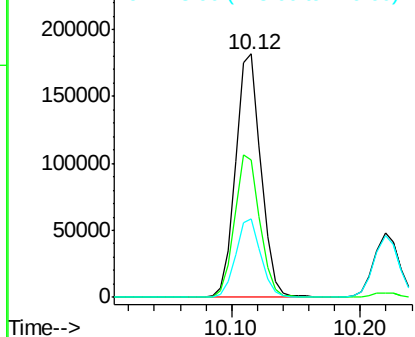
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 248715
Ion Ratio Lower Upper
117 100
82 56.2 48.8 73.2
119 32.1 25.8 38.6

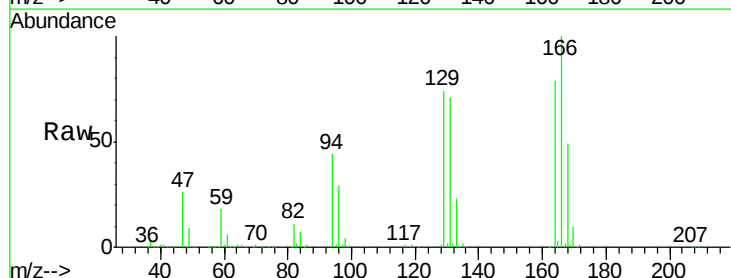


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

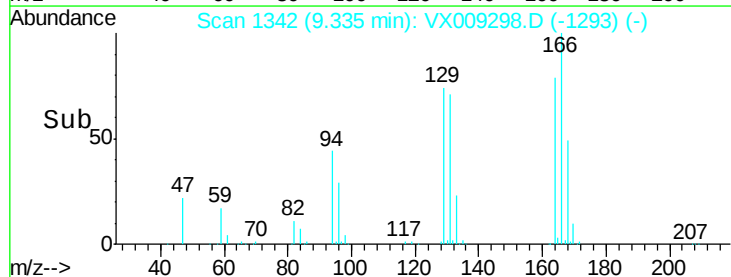
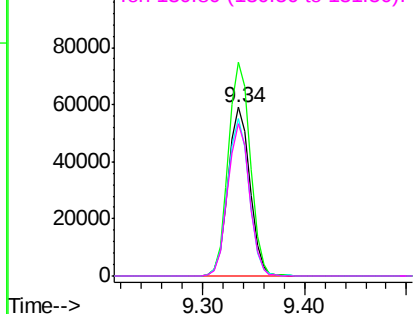


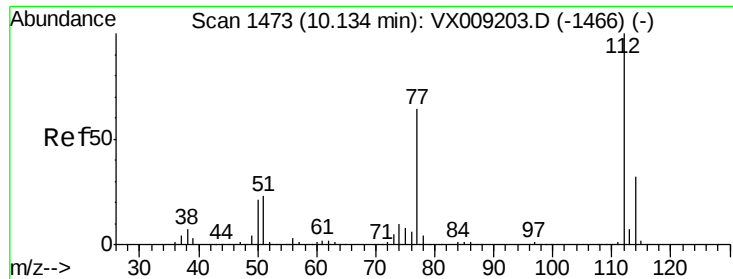
#64
Tetrachloroethene
Concen: 50.845 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion:164 Resp: 86745
Ion Ratio Lower Upper
164 100
166 126.8 101.2 151.8
129 93.7 74.3 111.5
131 90.2 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

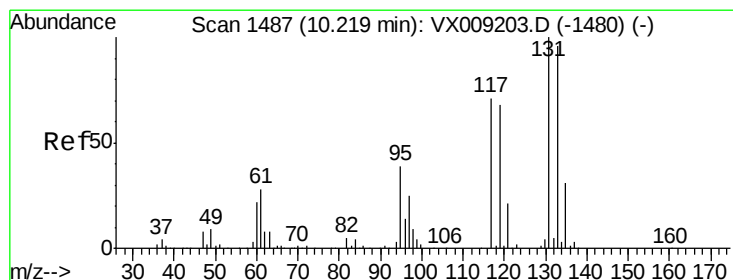
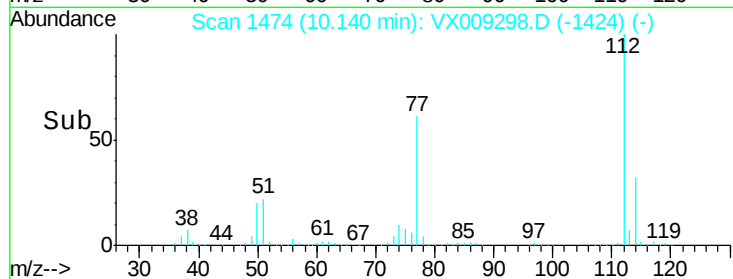
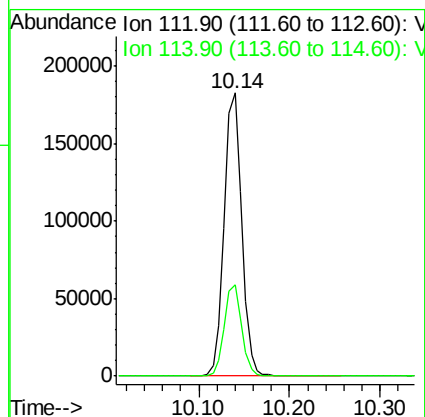
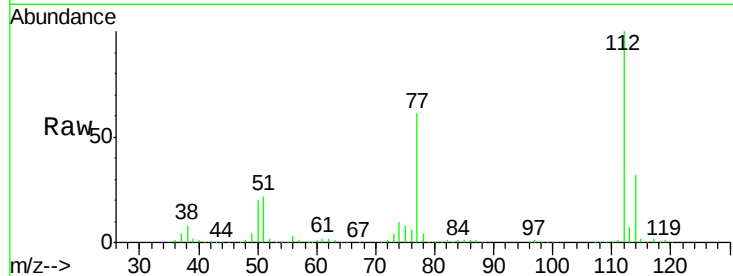




#65
Chlorobenzene
Concen: 49.874 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

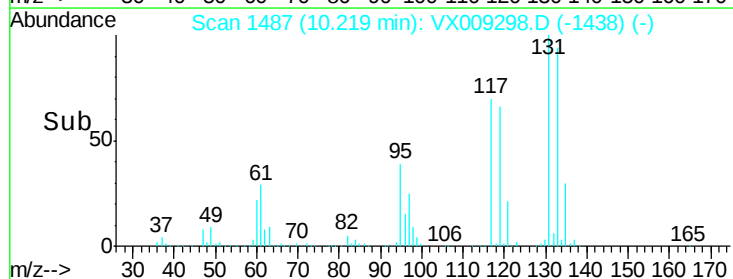
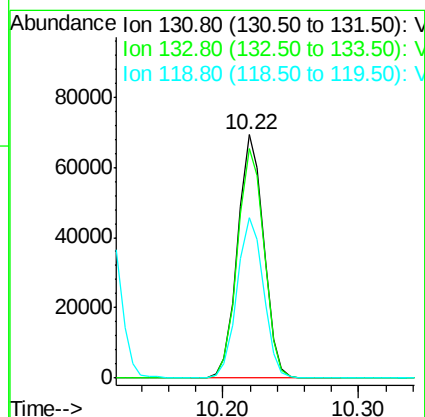
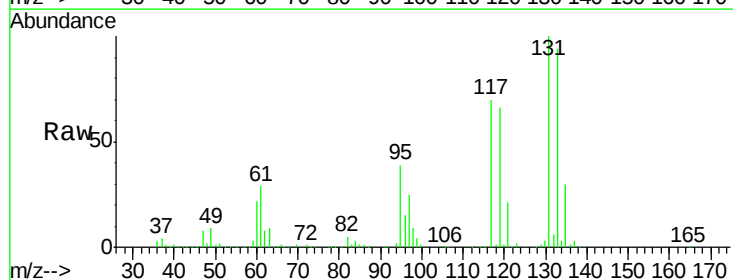
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

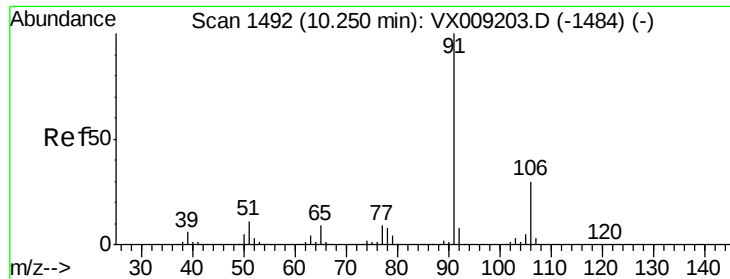
Tot Ion:112 Resp: 248142
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.284 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion:131 Resp: 92506
Ion Ratio Lower Upper
131 100
133 95.8 47.7 143.1
119 66.7 33.5 100.4

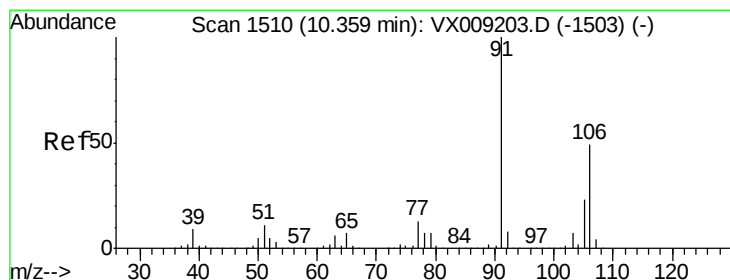
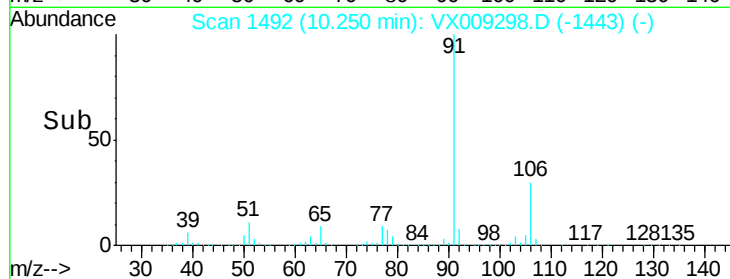
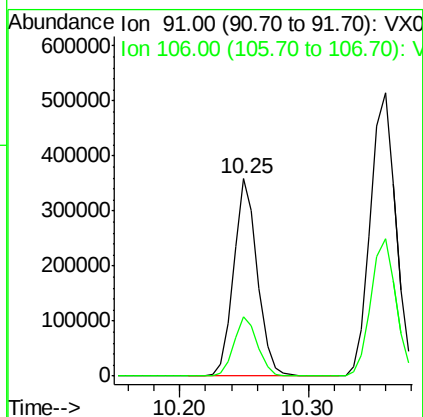
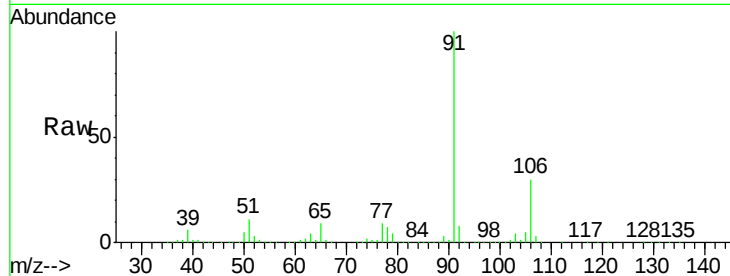




#67
Ethyl Benzene
Concen: 50.328 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

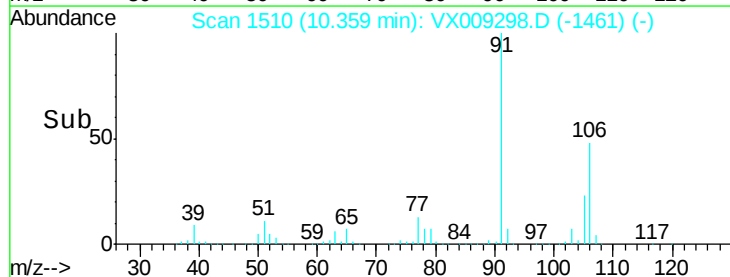
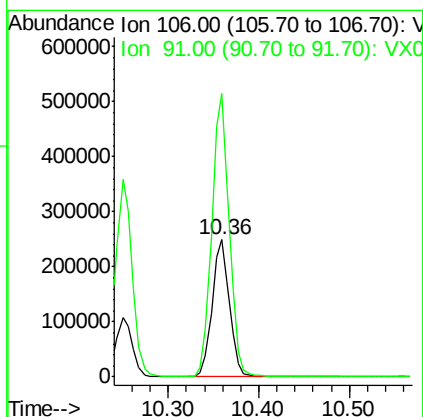
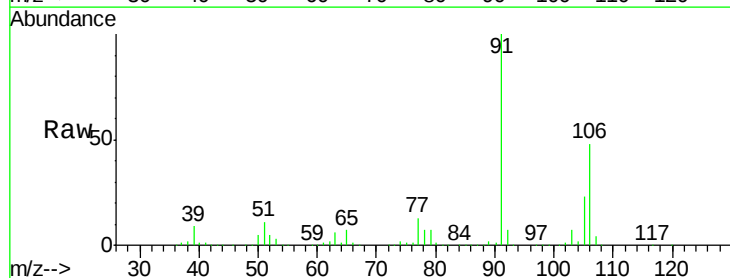
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

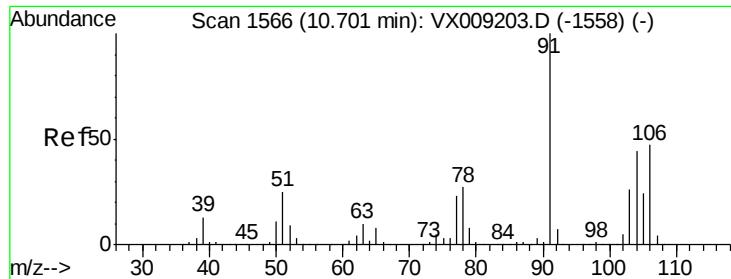
Tot Ion: 91 Resp: 460833
Ion Ratio Lower Upper
91 100
106 30.1 24.0 36.0



#68
m/p-Xylenes
Concen: 100.253 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 106 Resp: 335459
Ion Ratio Lower Upper
106 100
91 207.4 164.0 246.0

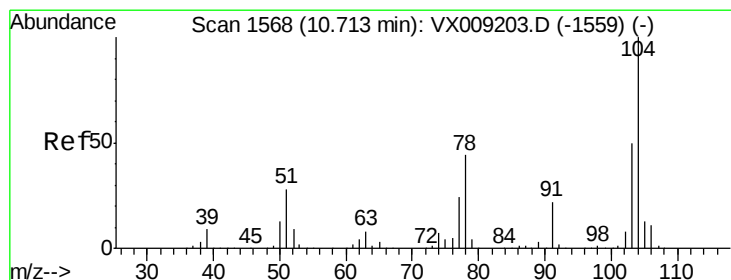
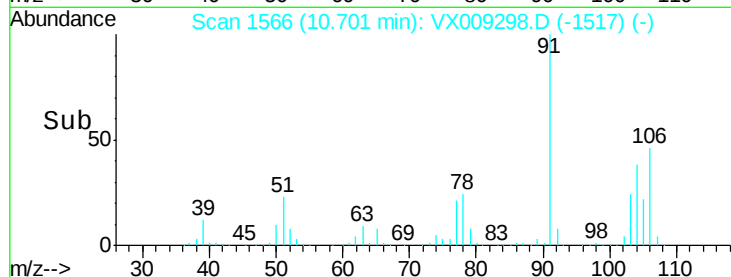
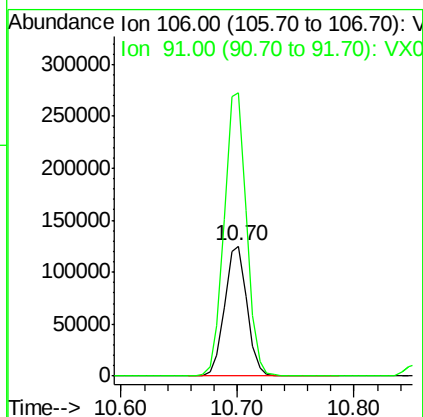
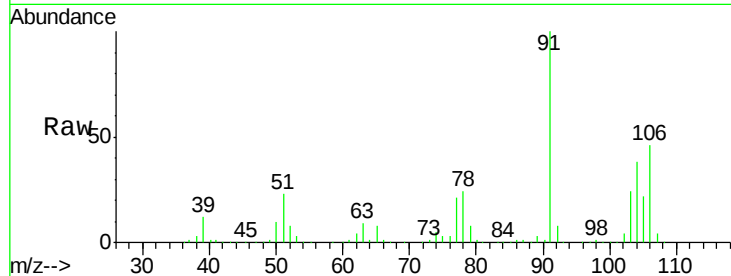




#69
o-Xylene
Concen: 50.294 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

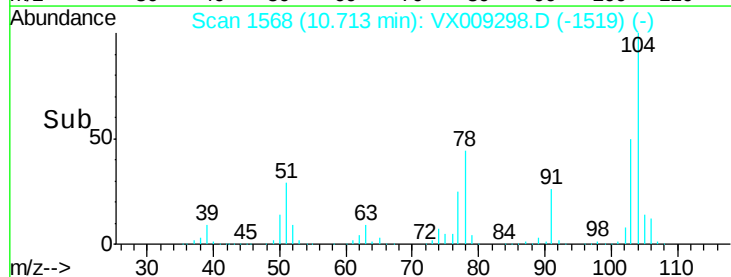
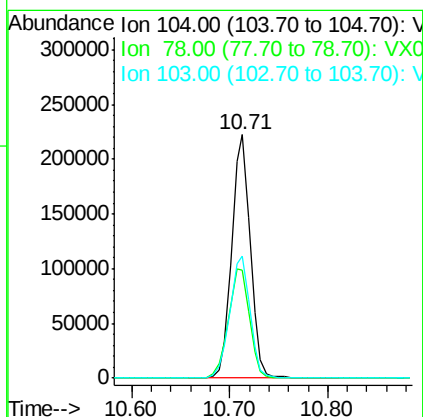
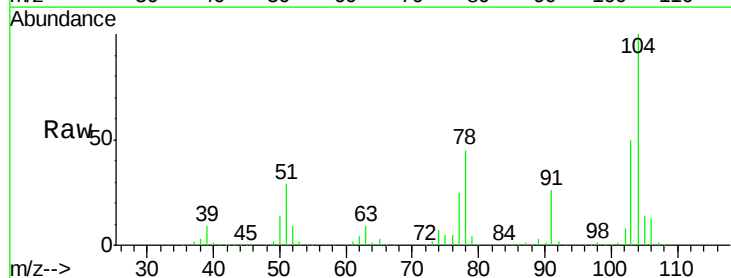
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 166043
Ion Ratio Lower Upper
106 100
91 218.8 109.5 328.4



#70
Styrene
Concen: 51.014 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion:104 Resp: 292727
Ion Ratio Lower Upper
104 100
78 51.6 41.0 61.4
103 54.9 43.8 65.6





#71

Bromoform

Concen: 53.063 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

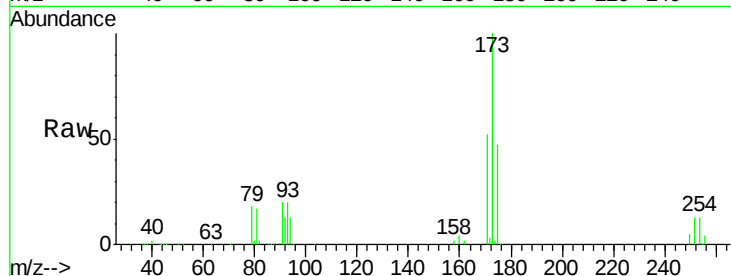
Tot Ion:173 Resp: 77783

Ion Ratio Lower Upper

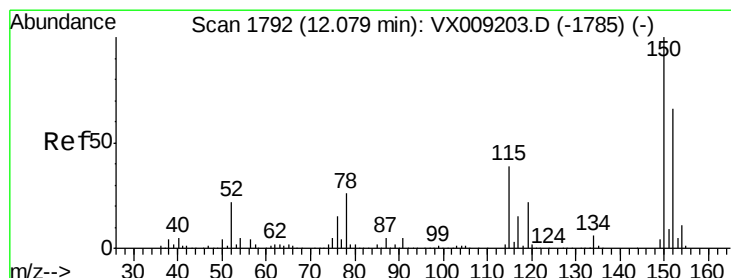
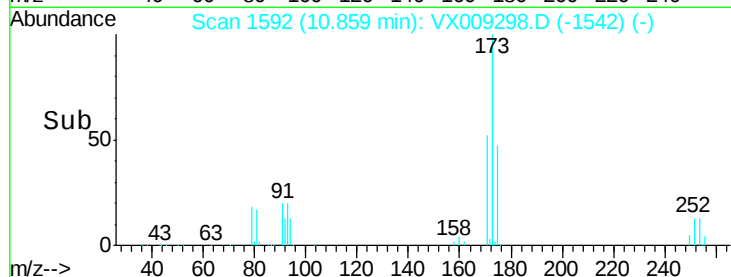
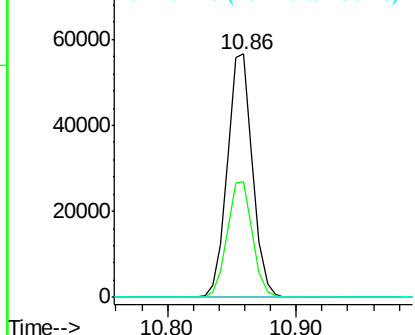
173 100

175 47.8 24.5 73.5

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

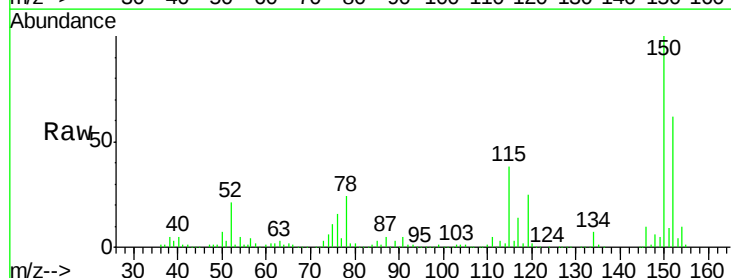
Tgt Ion:152 Resp: 121475

Ion Ratio Lower Upper

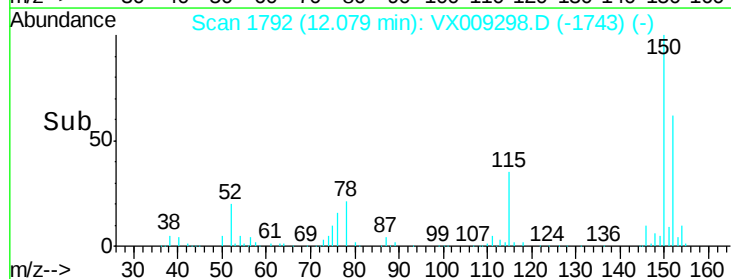
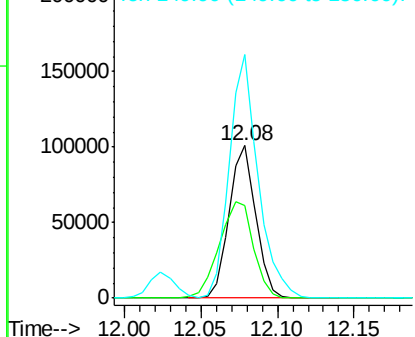
152 100

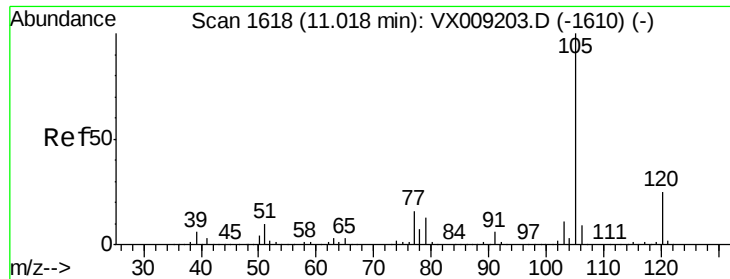
115 81.3 41.2 123.6

150 172.9 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: 49.283 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

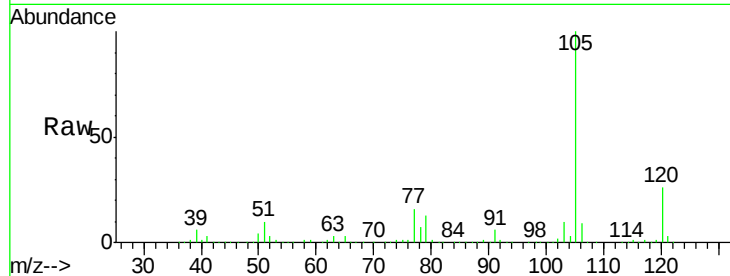
VSTDCCC050EC

Tot Ion:105 Resp: 435346

Ion Ratio Lower Upper

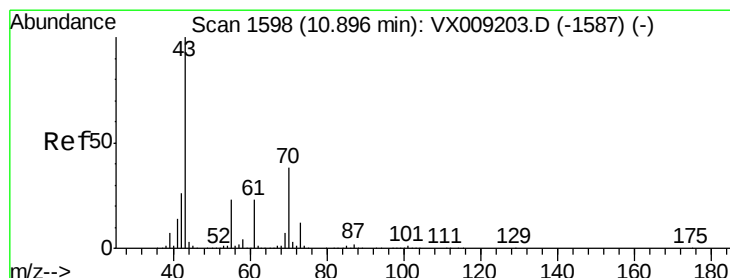
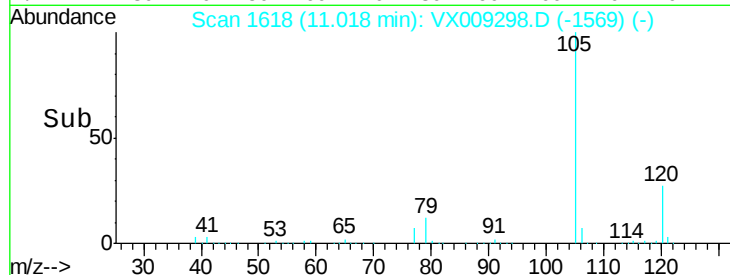
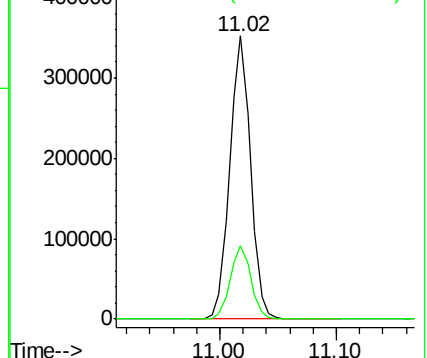
105 100

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-ethyl acetate

Concen: 54.231 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Tgt Ion: 43 Resp: 279293

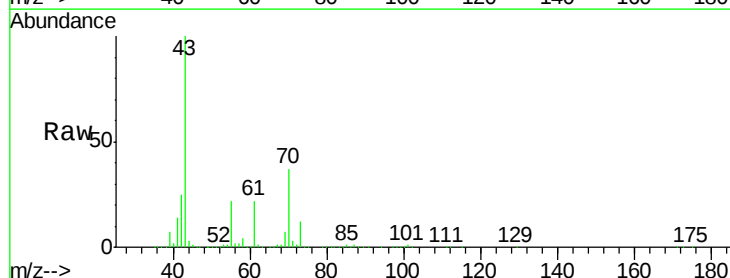
Ion Ratio Lower Upper

43 100

70 37.0 30.0 45.0

55 22.3 17.9 26.9

61 22.4 18.4 27.6

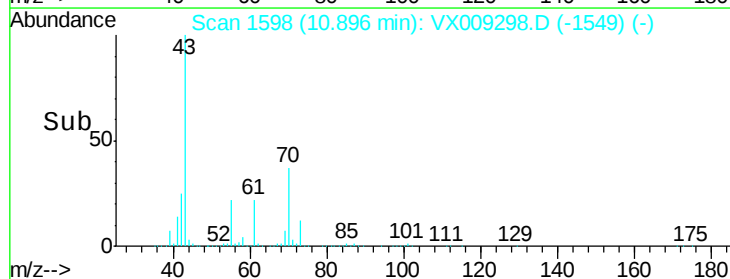
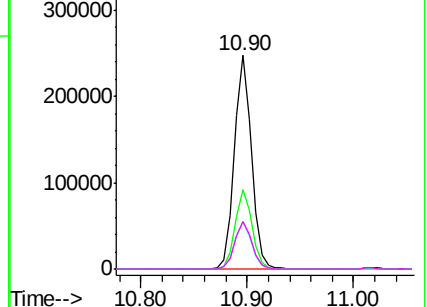


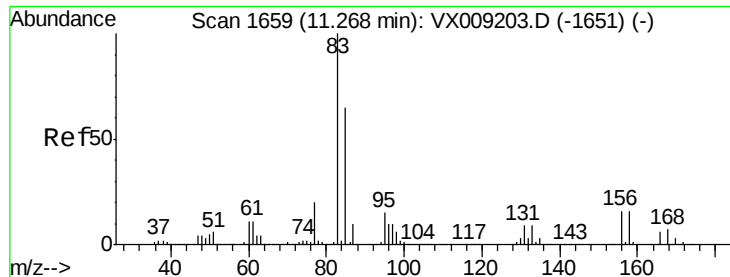
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.842 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

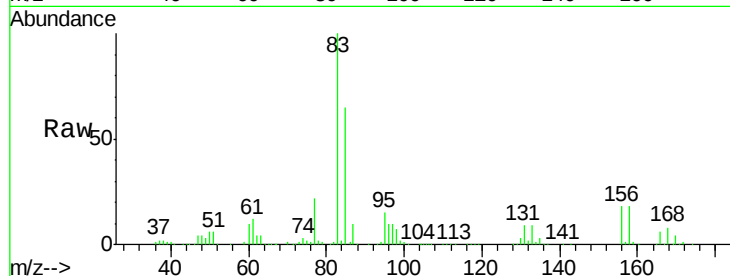
Tot Ion: 83 Resp: 170716

Ion Ratio Lower Upper

83 100

131 9.2 4.6 13.8

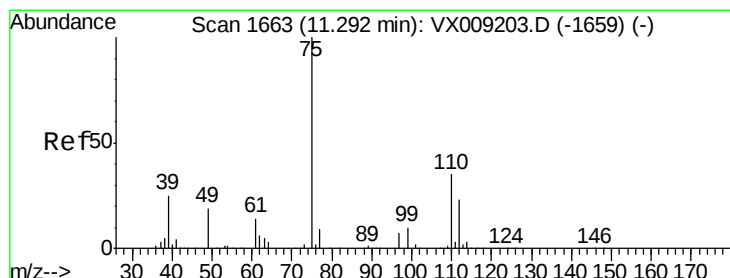
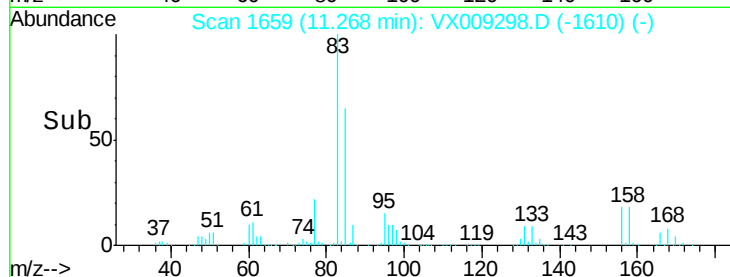
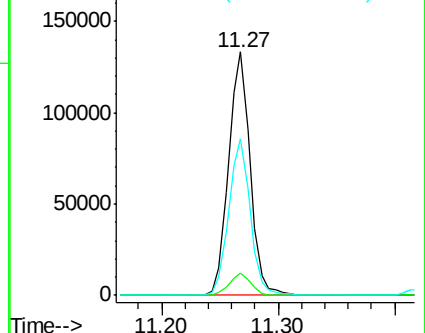
85 64.4 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 68.872 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009298.D

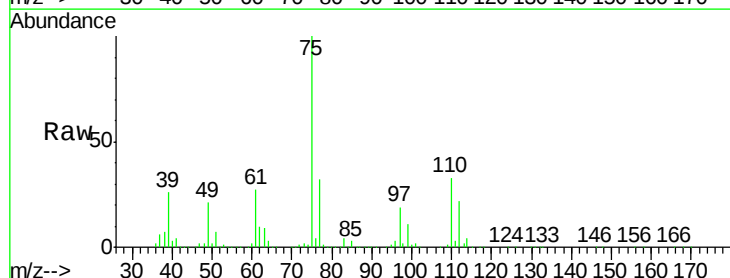
Acq: 03 May 2019 01:03

Tgt Ion: 75 Resp: 194067

Ion Ratio Lower Upper

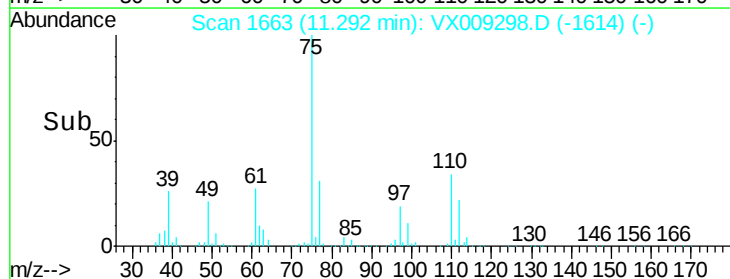
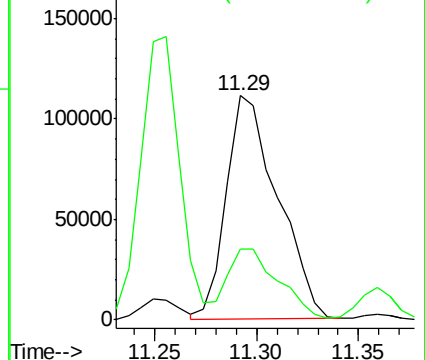
75 100

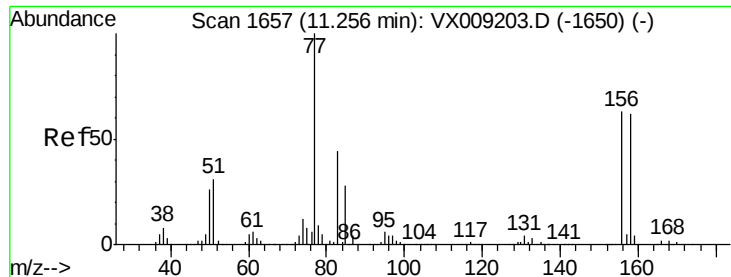
77 32.6 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.997 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

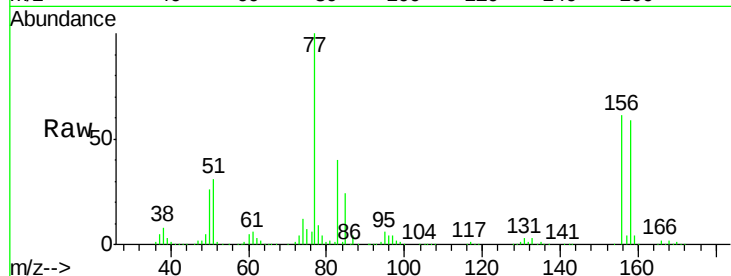
Tot Ion:156 Resp: 109619

Ion Ratio Lower Upper

156 100

77 169.4 84.8 254.3

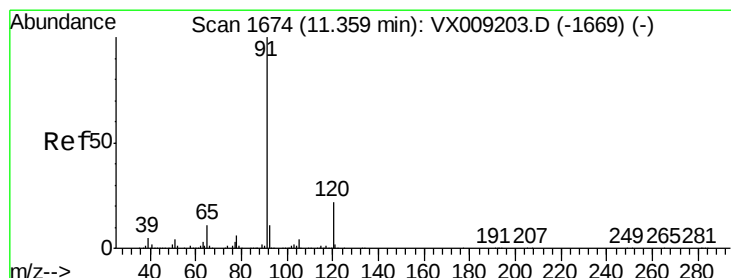
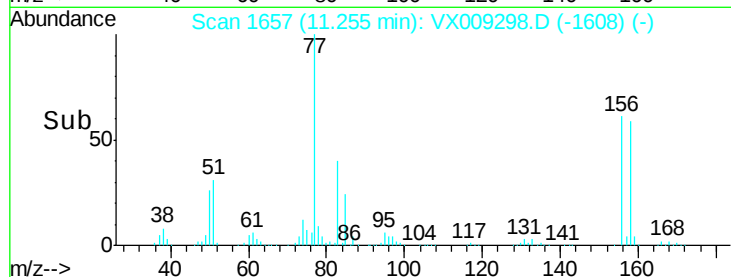
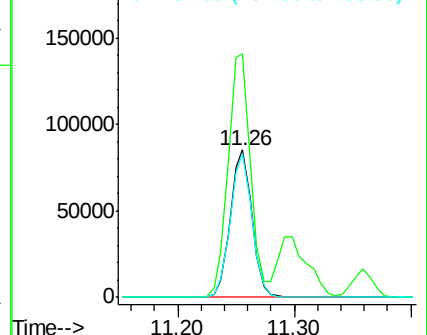
158 97.6 49.1 147.3



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: 49.006 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009298.D

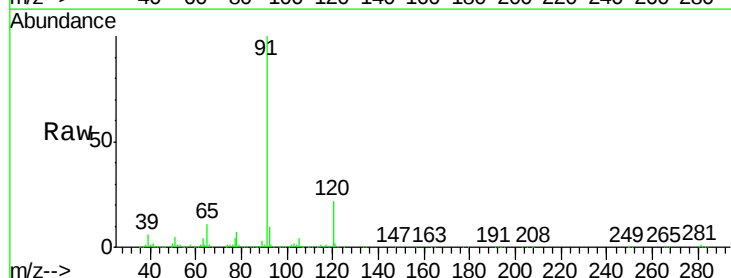
Acq: 03 May 2019 01:03

Tgt Ion: 91 Resp: 494392

Ion Ratio Lower Upper

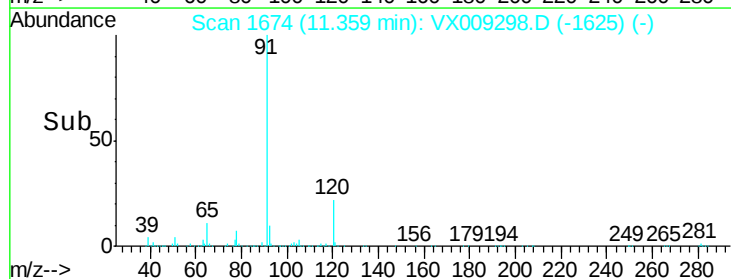
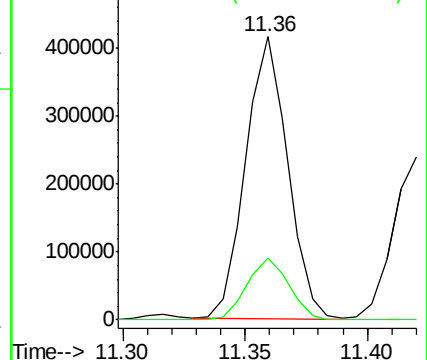
91 100

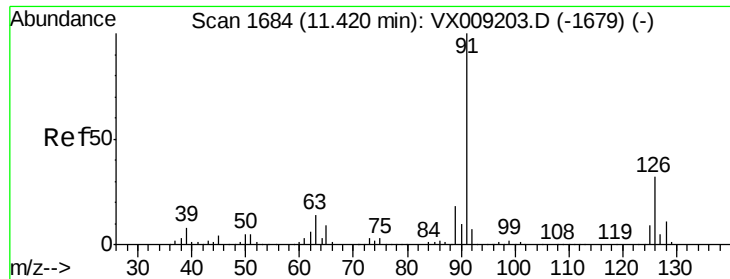
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

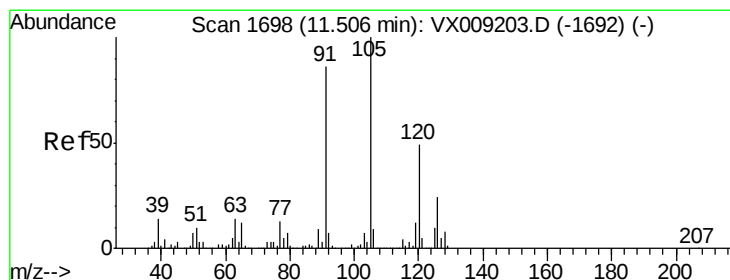
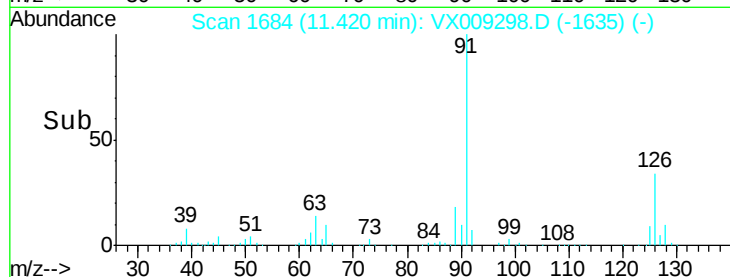
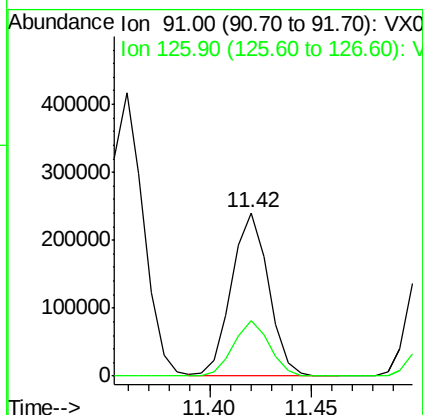
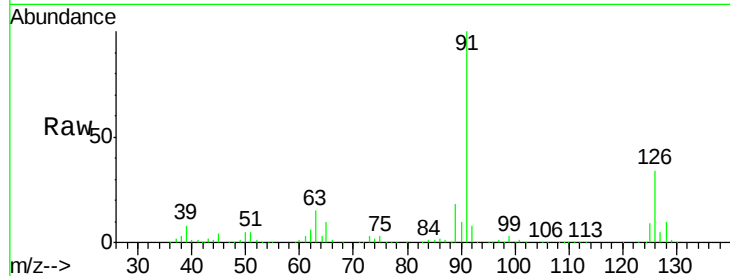




#79
 2-Chlorotoluene
 Concen: 48.362 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

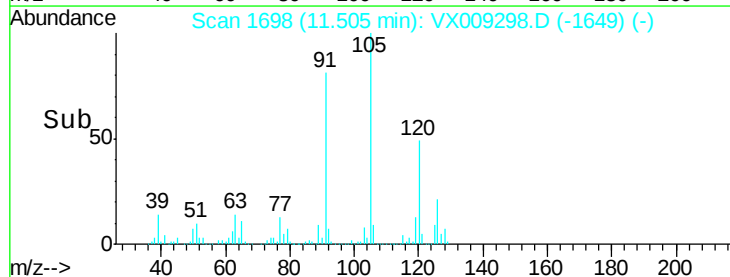
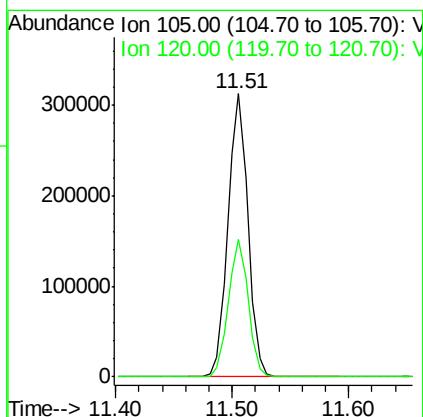
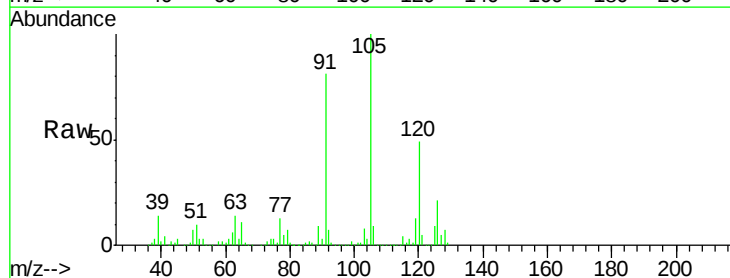
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 301007
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 49.814 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion: 105 Resp: 370508
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 47.375 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

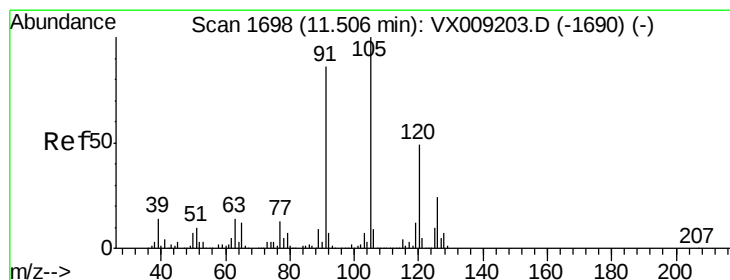
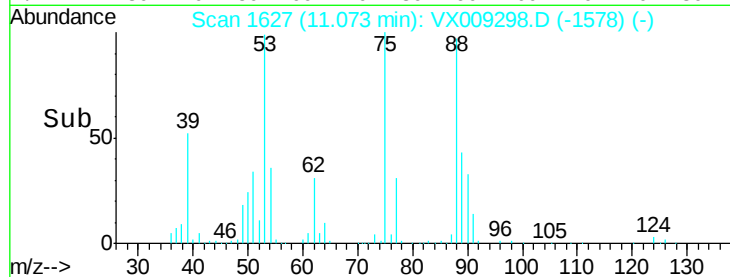
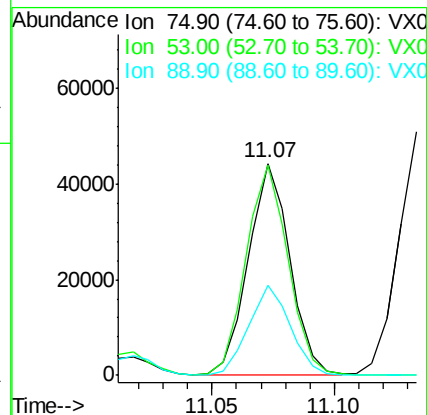
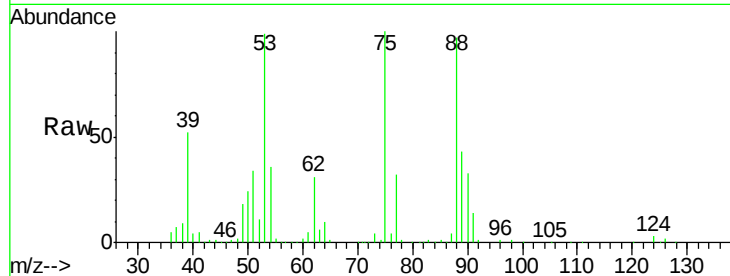
Tot Ion: 75 Resp: 52173

Ion Ratio Lower Upper

75 100

53 100.3 79.0 118.6

89 42.9 34.7 52.1



#82

4-Chlorotoluene

Concen: 49.507 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009298.D

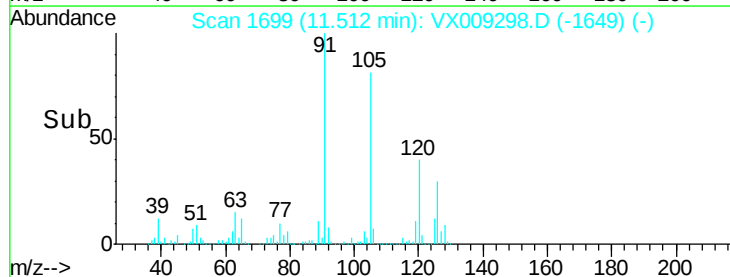
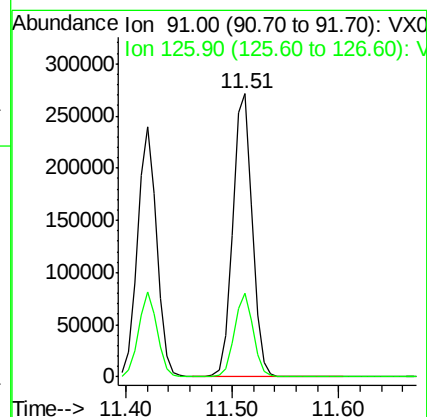
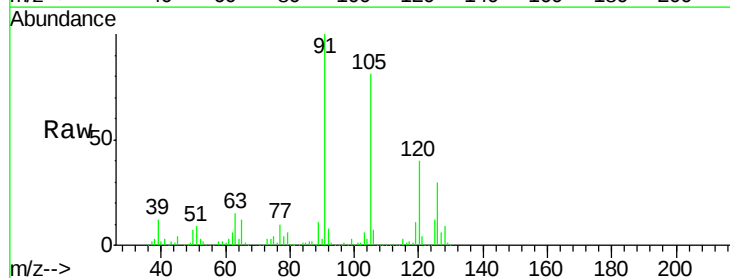
Acq: 03 May 2019 01:03

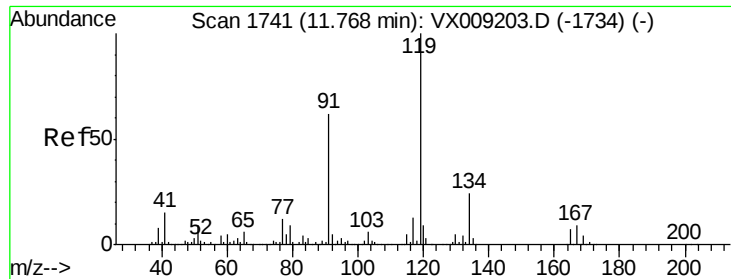
Tgt Ion: 91 Resp: 348103

Ion Ratio Lower Upper

91 100

126 28.6 14.5 43.6

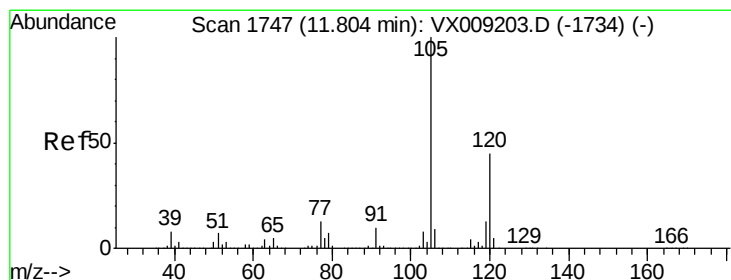
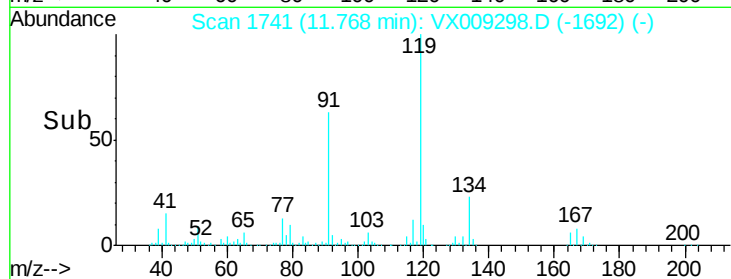
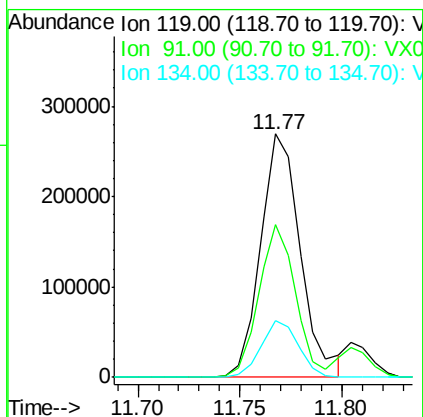
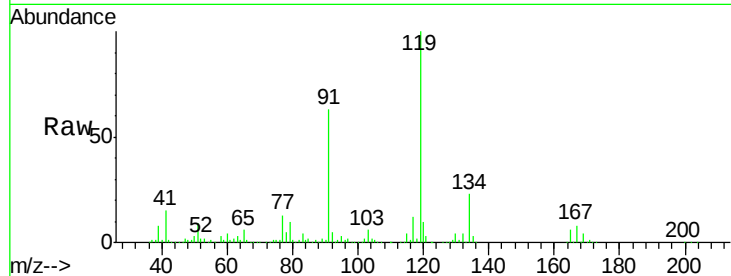




#83
 tert-Butylbenzene
 Concen: 50.564 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

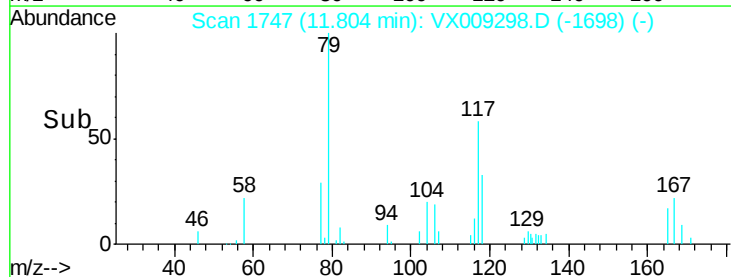
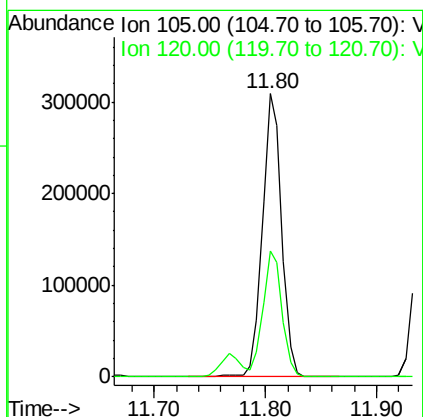
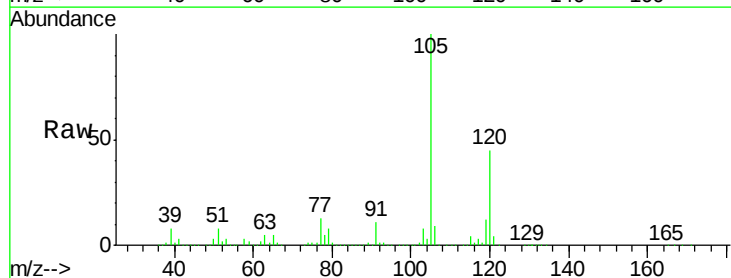
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 365855
 Ion Ratio Lower Upper
 119 100
 91 57.7 29.5 88.5
 134 21.9 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.095 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion:105 Resp: 373998
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.0 66.0





#85

sec-Butylbenzene

Concen: 48.925 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

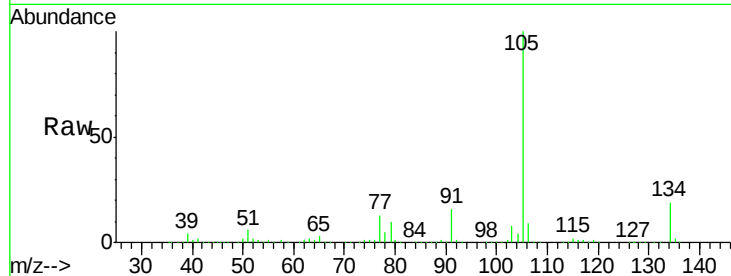
VSTDCCC050EC

Tot Ion:105 Resp: 419686

Ion Ratio Lower Upper

105 100

134 19.4 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

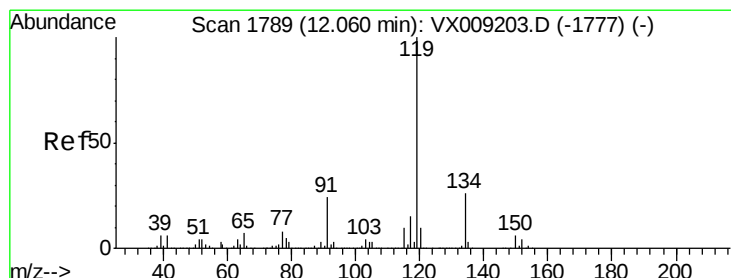
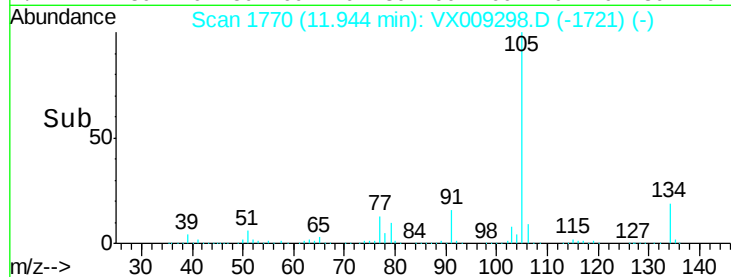
300000

200000

100000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 49.585 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

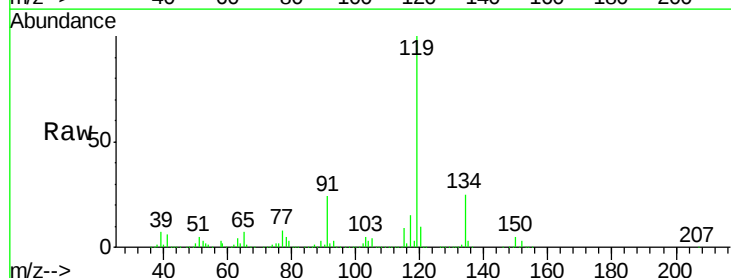
Tgt Ion:119 Resp: 382392

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 23.7 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

12.06

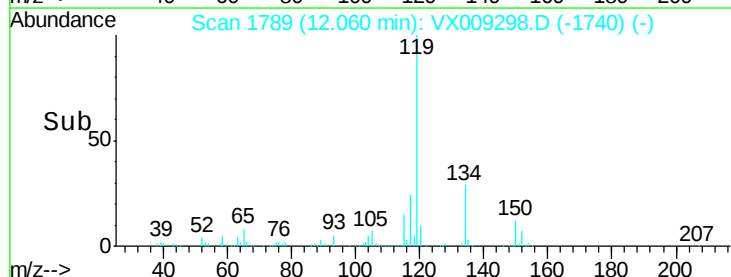
300000

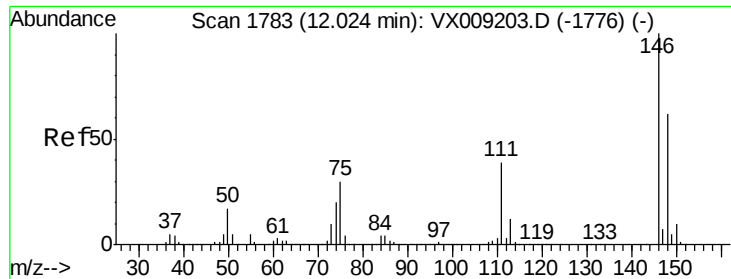
200000

100000

0

Time--> 12.00 12.10 12.20

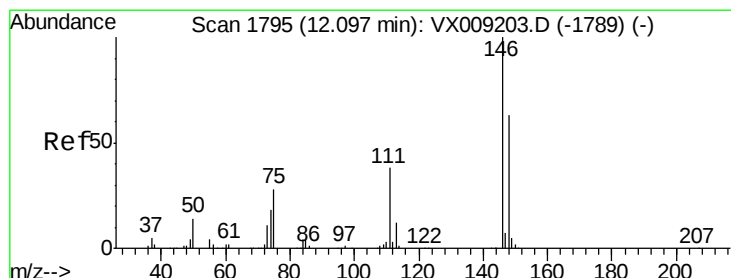
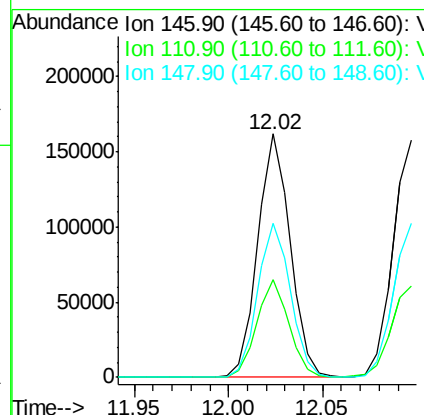
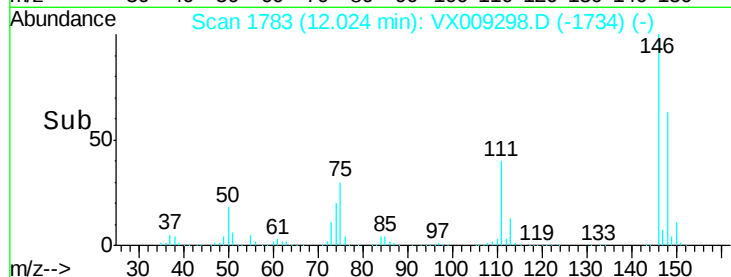
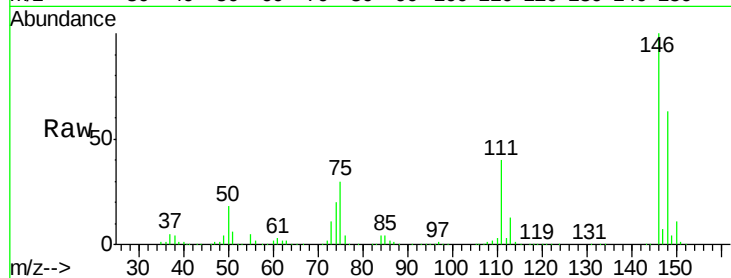




#87
 1,3-Dichlorobenzene
 Concen: 49.383 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

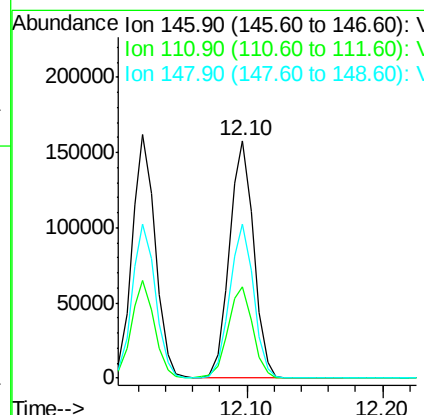
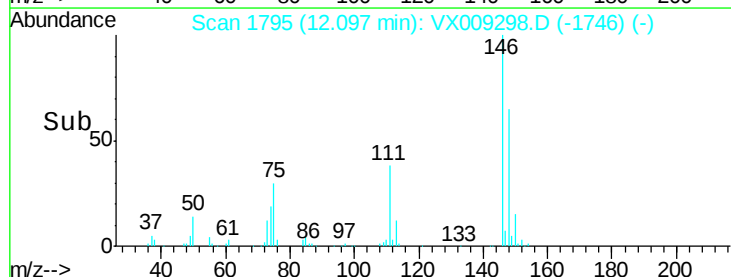
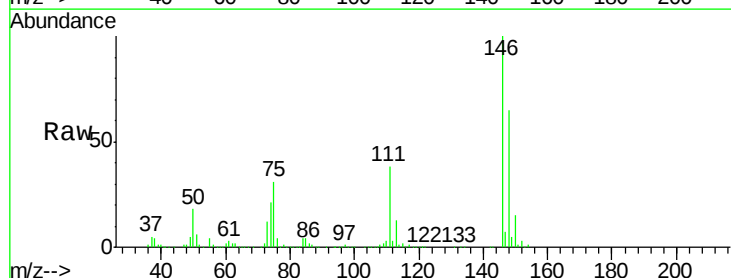
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 193015
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 64.1 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 49.355 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion:146 Resp: 194487
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.8
 148 64.1 31.8 95.3





#89

n-Butylbenzene

Concen: 48.607 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

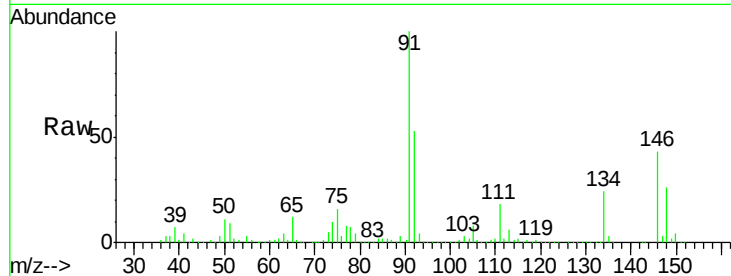
Tot Ion: 91 Resp: 338799

Ion Ratio Lower Upper

91 100

92 52.7 26.5 79.5

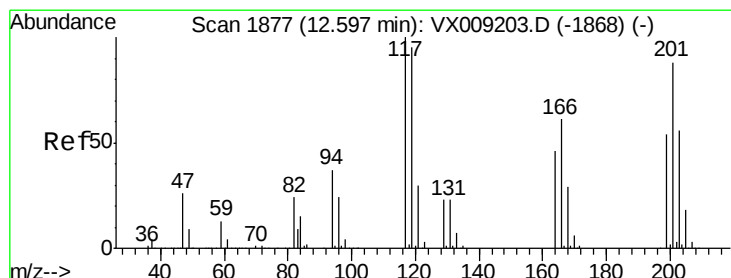
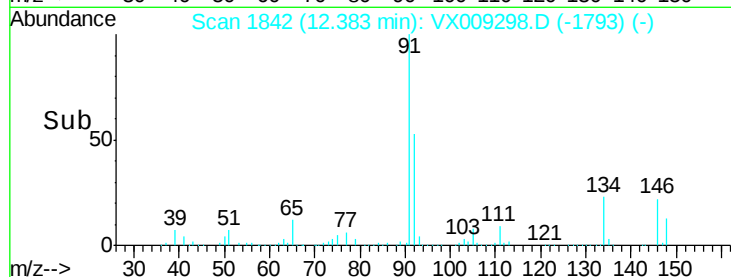
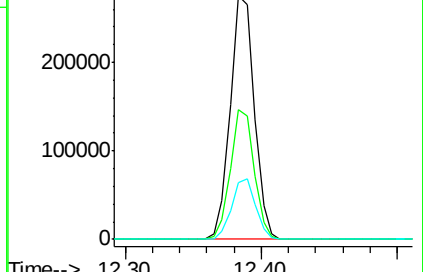
134 24.8 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1834) (-)

Ion 92.00 (91.70 to 92.70): VX009203.D (-1834) (-)

Ion 134.00 (133.70 to 134.70): VX009203.D (-1834) (-)



#90

Hexachloroethane

Concen: 50.580 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009298.D

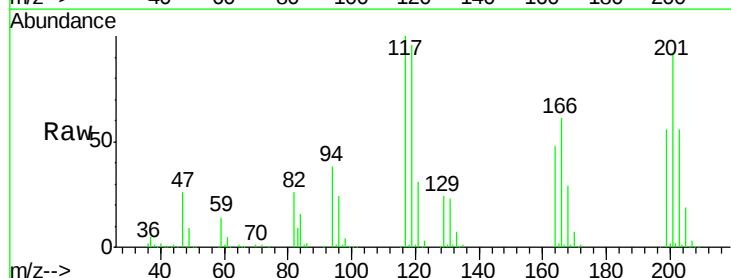
Acq: 03 May 2019 01:03

Tgt Ion: 117 Resp: 66453

Ion Ratio Lower Upper

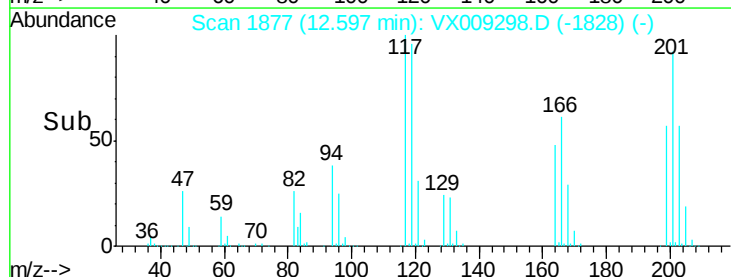
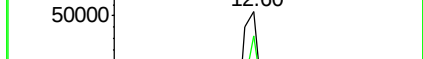
117 100

201 88.0 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): VX009203.D (-1868) (-)

Ion 200.70 (200.40 to 201.40): VX009203.D (-1868) (-)

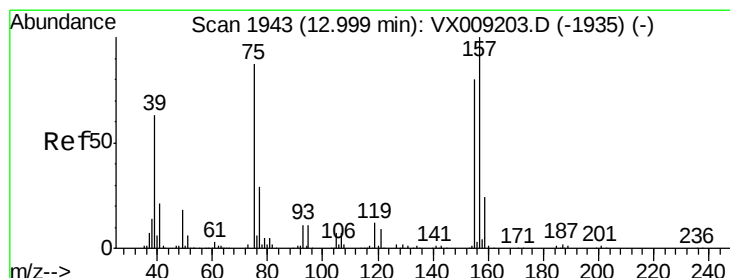
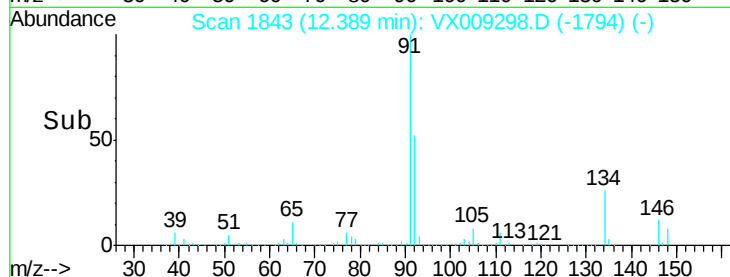
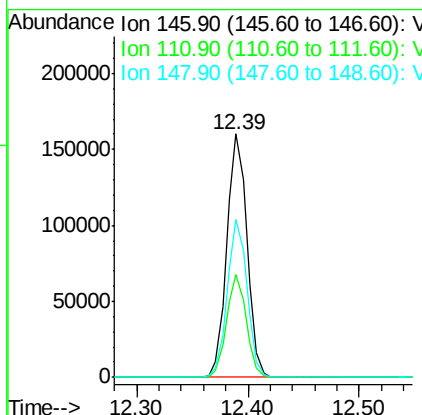
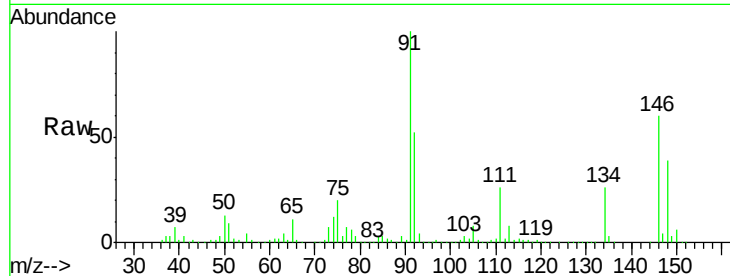




#91
 1,2-Dichlorobenzene
 Concen: 50.303 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

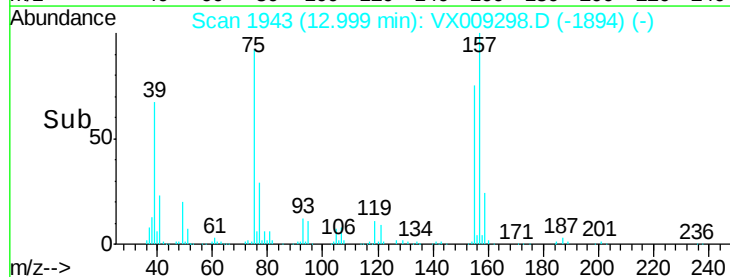
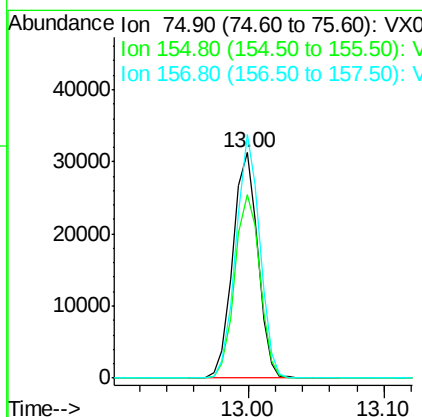
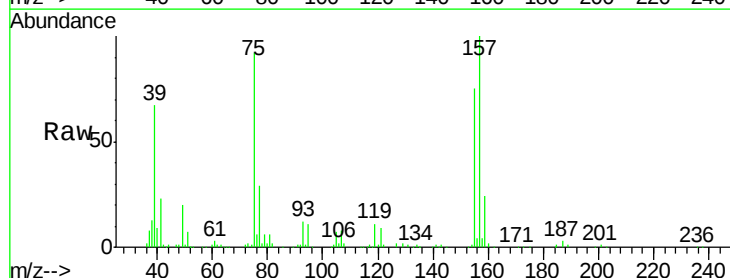
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

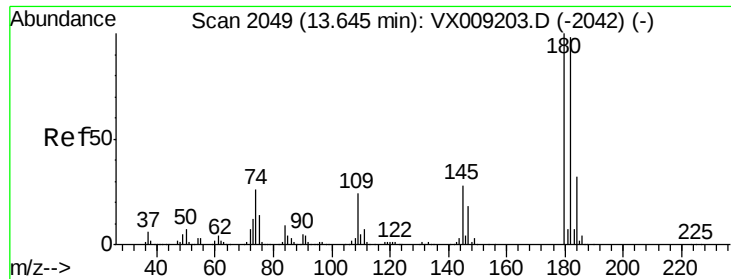
Tot Ion:146 Resp: 200259
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.8 62.4
 148 63.5 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.071 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion: 75 Resp: 39943
 Ion Ratio Lower Upper
 75 100
 155 81.7 42.0 126.0
 157 102.8 53.2 159.6

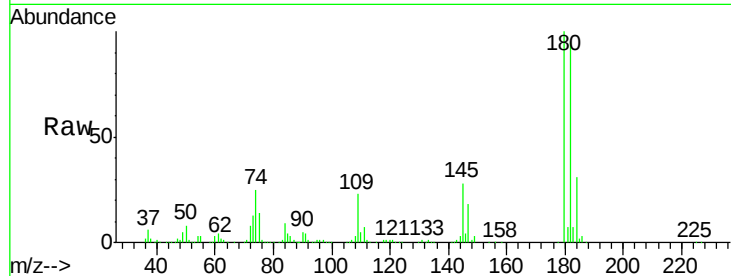




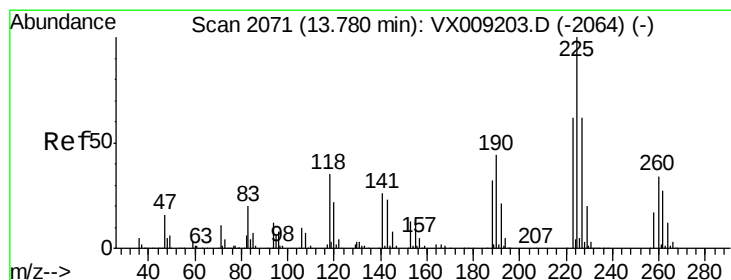
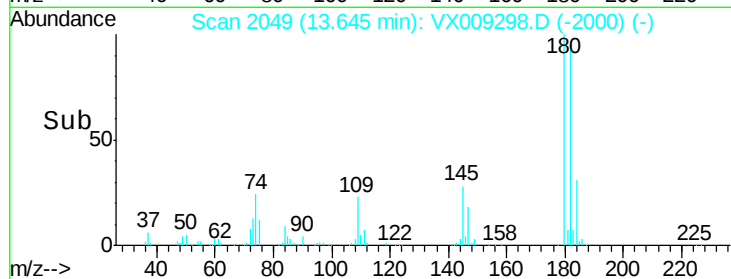
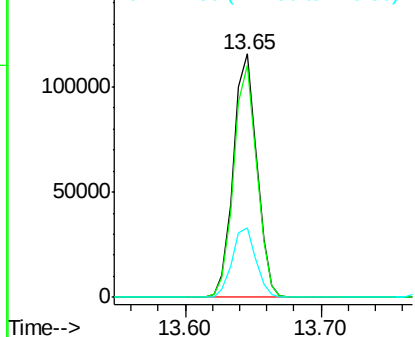
#93
 1,2,4-Trichlorobenzene
 Concen: 51.173 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 139313
 Ion Ratio Lower Upper
 180 100
 182 94.0 48.4 145.2
 145 28.9 14.6 43.8

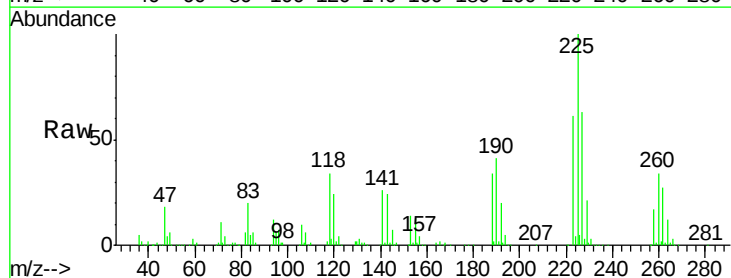


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

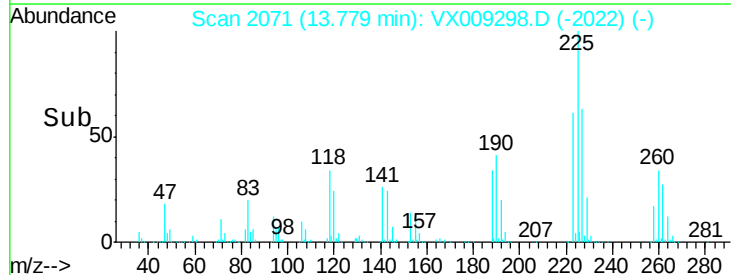
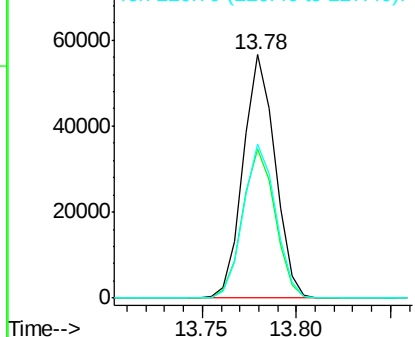


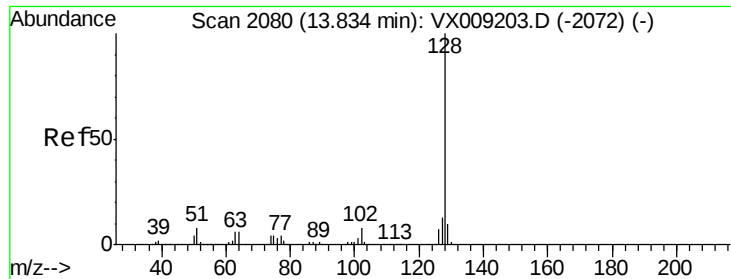
#94
 Hexachlorobutadiene
 Concen: 47.898 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion:225 Resp: 66588
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.3 93.8
 227 64.3 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

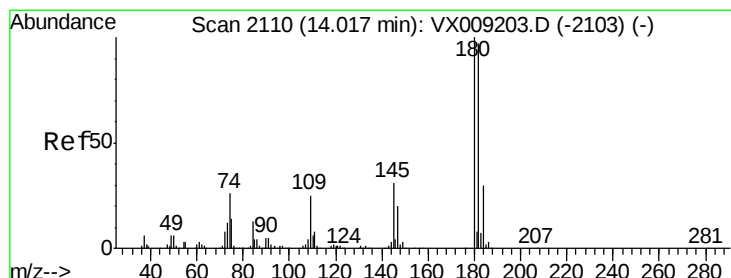
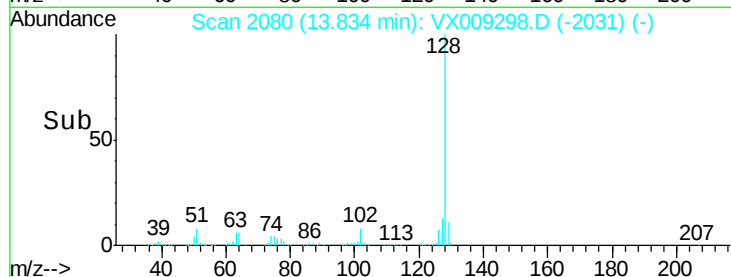
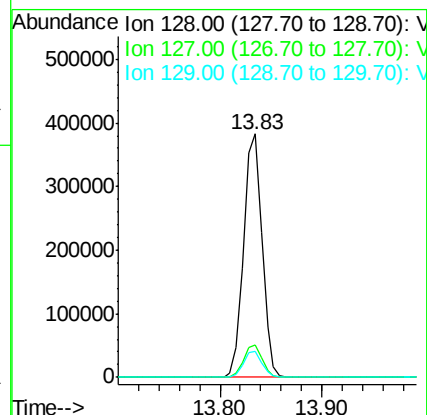
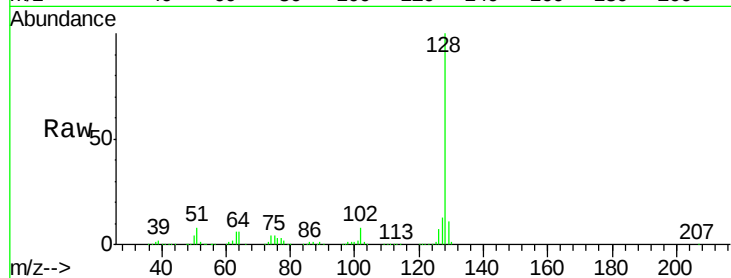




#95
Naphthalene
Concen: 53.360 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 472608
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 51.334 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion:180 Resp: 141661
Ion Ratio Lower Upper
180 100
182 94.8 47.8 143.4
145 31.2 15.4 46.4

