

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052419\
 Data File : VX009901.D
 Acq On : 24 May 2019 20:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 25 00:18:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	168243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	273771	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	114694	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	5.50	113	81304	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
50) Toluene-d8	8.71	98	333477	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.13	95	124510	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60816	39.226	ug/l	100
3) Chloromethane	1.32	50	100343	47.406	ug/l	97
4) Vinyl Chloride	1.41	62	95193	46.120	ug/l	99
5) Bromomethane	1.64	94	59270	47.843	ug/l	98
6) Chloroethane	1.71	64	63086	47.606	ug/l	100
7) Trichlorofluoromethane	1.92	101	114250	45.537	ug/l	98
8) Diethyl Ether	2.19	74	55711	46.878	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	67786	43.024	ug/l	100
10) Methyl Iodide	2.51	142	76303	42.446	ug/l	99
11) Tert butyl alcohol	3.06	59	144517	271.836	ug/l	99
12) 1,1-Dichloroethene	2.37	96	70894	44.909	ug/l	96
13) Acrolein	2.29	56	101722	211.276	ug/l	99
14) Allyl chloride	2.73	41	182410	47.415	ug/l	98
15) Acrylonitrile	3.14	53	317465	244.226	ug/l	100
16) Acetone	2.45	43	287457	233.090	ug/l	98
17) Carbon Disulfide	2.57	76	204141	46.060	ug/l	100
18) Methyl Acetate	2.78	43	142650	48.638	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	289919	47.294	ug/l	100
20) Methylene Chloride	2.85	84	88982	44.562	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	79901	46.671	ug/l	98
22) Diisopropyl ether	3.86	45	358980	48.522	ug/l	94
23) Vinyl Acetate	3.82	43	1621676	255.975	ug/l	99
24) 1,1-Dichloroethane	3.70	63	168249	46.099	ug/l	99
25) 2-Butanone	4.68	43	485766	253.475	ug/l	97
26) 2,2-Dichloropropane	4.58	77	109397	40.270	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	95217	46.596	ug/l	99
28) Bromochloromethane	5.02	49	87950	60.435	ug/l	96
29) Tetrahydrofuran	5.13	42	320672	260.030	ug/l	97
30) Chloroform	5.21	83	153534	46.512	ug/l	99
31) Cyclohexane	5.58	56	158951	46.811	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	126211	45.931	ug/l	98
36) 1,1-Dichloropropene	5.80	75	117162	46.051	ug/l	99
37) Ethyl Acetate	4.84	43	182056	51.358	ug/l	98
38) Carbon Tetrachloride	5.79	117	105389	45.592	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	139095	44.517	ug/l	99
40) Benzene	6.14	78	362891	46.088	ug/l	99
41) Methacrylonitrile	5.04	41	102450	48.552	ug/l	98
42) 1,2-Dichloroethane	6.19	62	135485	47.968	ug/l	98
43) Isopropyl Acetate	6.45	43	288424	50.867	ug/l	98
44) Trichloroethene	7.21	130	89837	47.195	ug/l	96
45) 1,2-Dichloropropane	7.51	63	104852	47.028	ug/l	98
46) Dibromomethane	7.66	93	59047	45.606	ug/l	99
47) Bromodichloromethane	7.90	83	121480	47.037	ug/l	97
48) Methyl methacrylate	7.77	41	146816	52.190	ug/l	96
49) 1,4-Dioxane	7.74	88	52771	925.013	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	973526	262.682	ug/l	98
52) Toluene	8.79	92	221672	46.314	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	141880	48.659	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	153098	47.438	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	89549	45.860	ug/l	96
56) Ethyl methacrylate	9.18	69	174043	49.932	ug/l	96
57) 1,3-Dichloropropane	9.37	76	161967	47.135	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	434625	235.045	ug/l	99
59) 2-Hexanone	9.49	43	751651	258.235	ug/l	97
60) Dibromochloromethane	9.58	129	89651	47.008	ug/l	98
61) 1,2-Dibromoethane	9.67	107	92918	47.140	ug/l	100
64) Tetrachloroethene	9.34	164	75885	44.104	ug/l	99
65) Chlorobenzene	10.14	112	231408	46.117	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	83521	45.912	ug/l	99
67) Ethyl Benzene	10.25	91	428847	46.439	ug/l	99
68) m/p-Xylenes	10.36	106	314897	93.313	ug/l	97
69) o-Xylene	10.69	106	153803	46.193	ug/l	98
70) Styrene	10.71	104	272388	47.068	ug/l	98
71) Bromoform	10.85	173	70661	47.797	ug/l #	100
73) Isopropylbenzene	11.02	105	411554	45.604	ug/l	100
74) N-amyl acetate	10.90	43	263389	50.061	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	156166	46.420	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	182198	63.291	ug/l	82
77) Bromobenzene	11.26	156	101247	45.201	ug/l	98
78) n-propylbenzene	11.36	91	478675	46.444	ug/l	100
79) 2-Chlorotoluene	11.42	91	285907	44.964	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	351397	46.244	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	51692	45.944	ug/l	96
82) 4-Chlorotoluene	11.51	91	333138	46.376	ug/l	99
83) tert-Butylbenzene	11.77	119	336590	45.535	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	353624	46.364	ug/l	99
85) sec-Butylbenzene	11.94	105	400248	45.671	ug/l	99
86) p-Isopropyltoluene	12.06	119	366045	46.461	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	182748	45.766	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	181984	45.205	ug/l	99
89) n-Butylbenzene	12.38	91	337893	47.451	ug/l	99
90) Hexachloroethane	12.60	117	62273	46.395	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	181351	44.589	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35481	47.014	ug/l	98

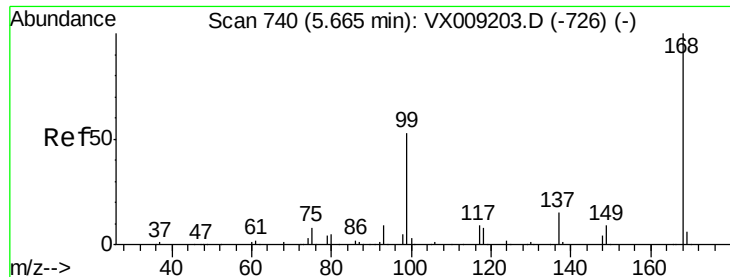
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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	128389	46.162	ug/l	99
94) Hexachlorobutadiene	13.78	225	64584	45.473	ug/l	99
95) Naphthalene	13.83	128	421746	46.609	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	130468	46.278	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

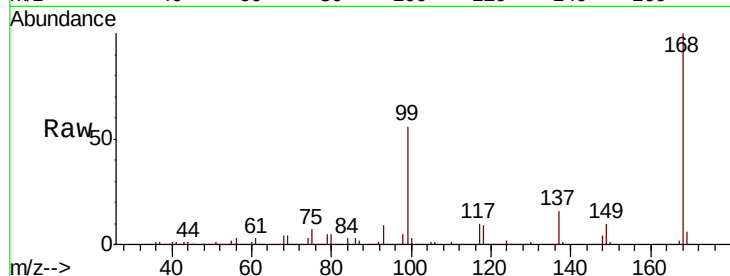
VSTDCCC050EC

Tot Ion:168 Resp: 168243

Ion Ratio Lower Upper

168 100

99 55.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

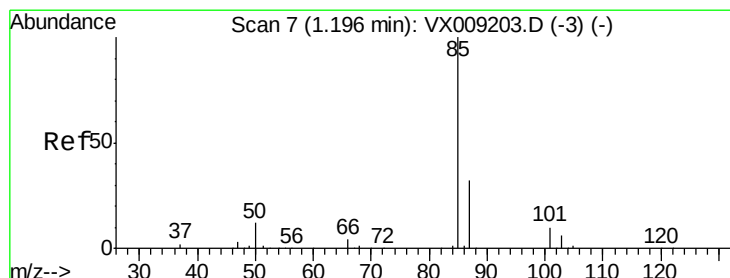
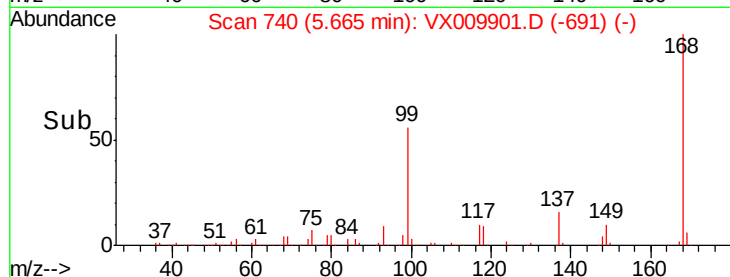
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 39.226 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009901.D

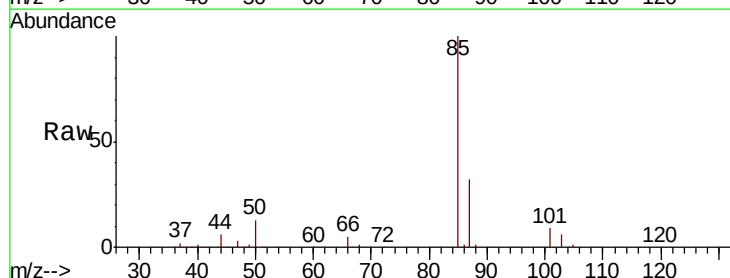
Acq: 24 May 2019 20:51

Tgt Ion: 85 Resp: 60816

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

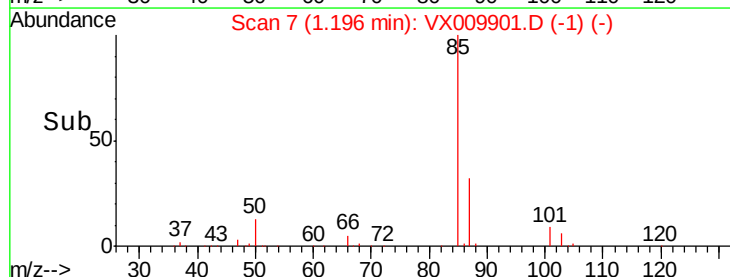
30000

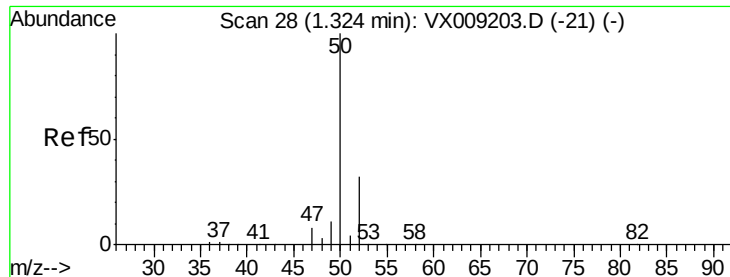
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 47.406 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

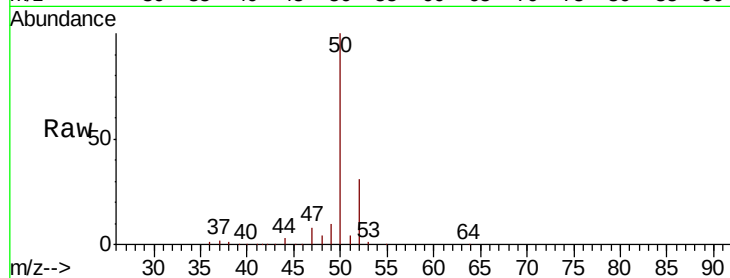
VSTDCCC050EC

Tot Ion: 50 Resp: 100343

Ion Ratio Lower Upper

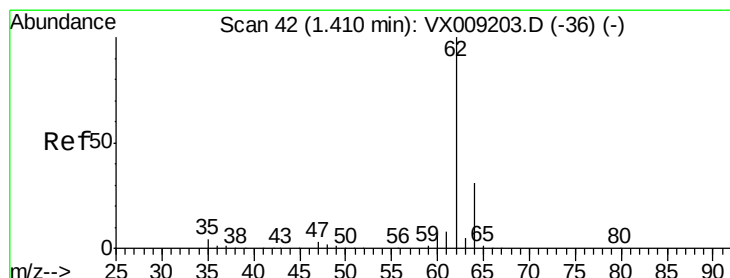
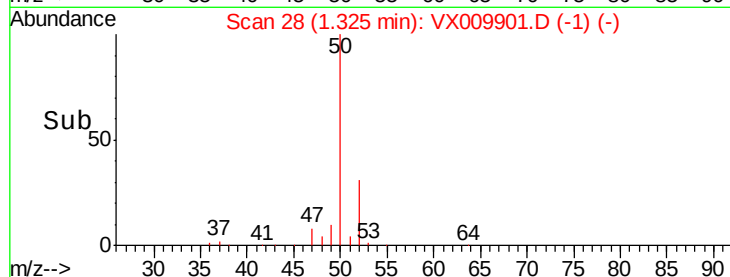
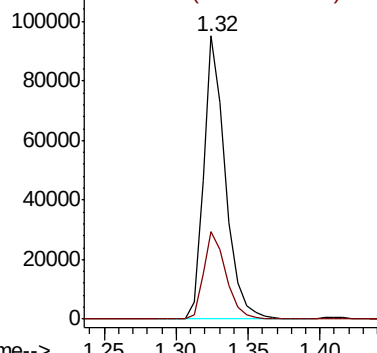
50 100

52 30.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.120 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009901.D

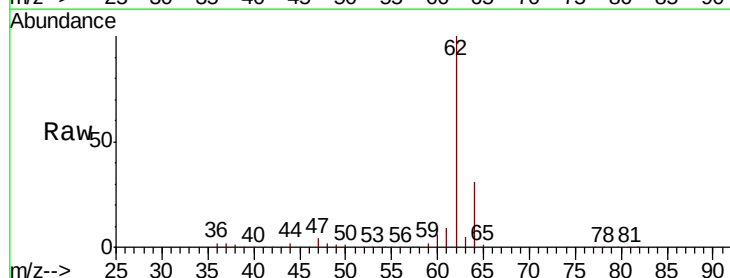
Acq: 24 May 2019 20:51

Tgt Ion: 62 Resp: 95193

Ion Ratio Lower Upper

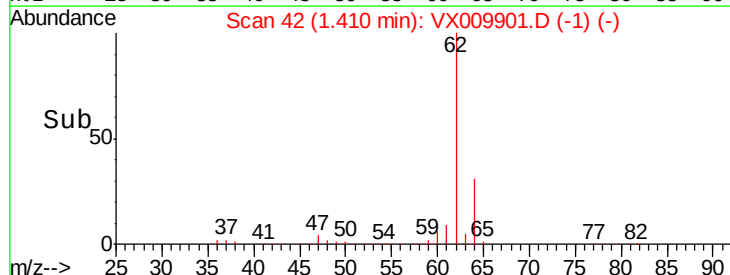
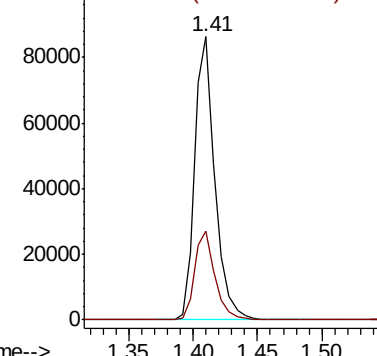
62 100

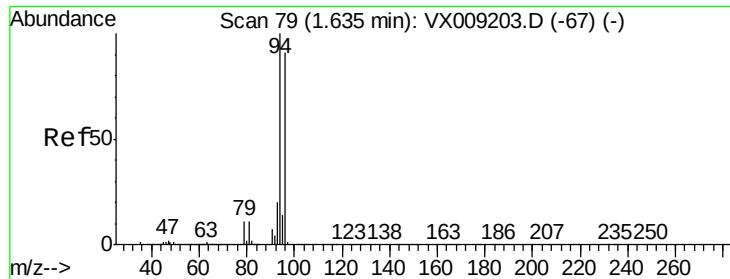
64 31.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 47.843 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

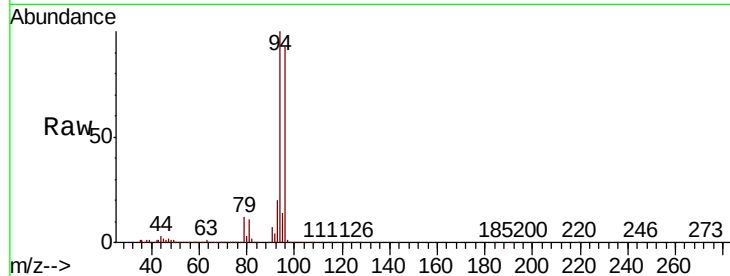
VSTDCCC050EC

Tot Ion: 94 Resp: 59270

Ion Ratio Lower Upper

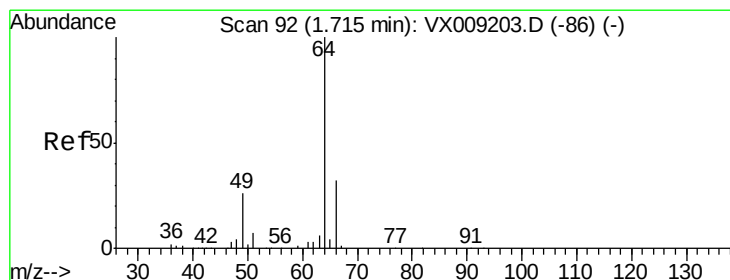
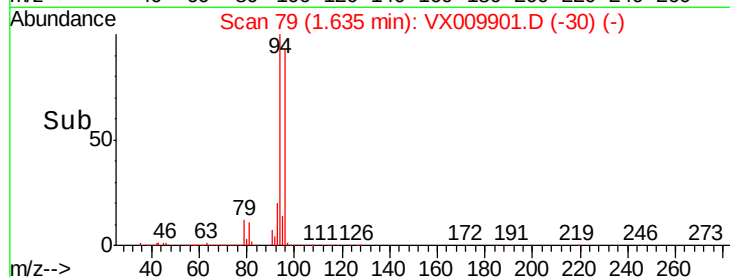
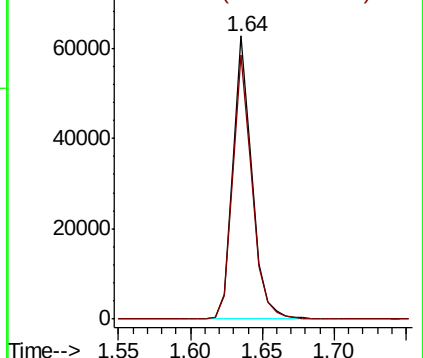
94 100

96 93.0 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.606 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009901.D

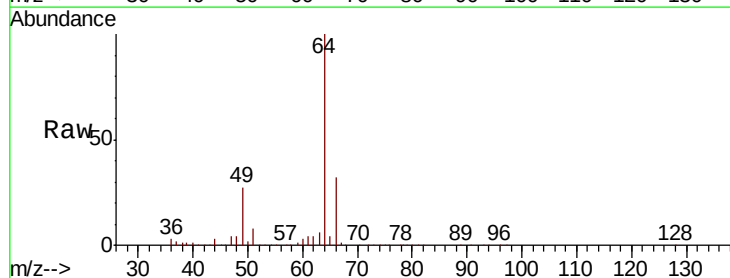
Acq: 24 May 2019 20:51

Tgt Ion: 64 Resp: 63086

Ion Ratio Lower Upper

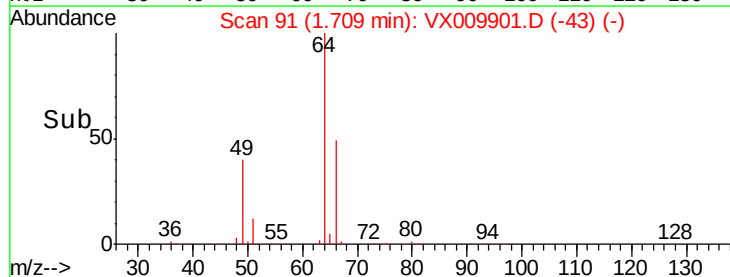
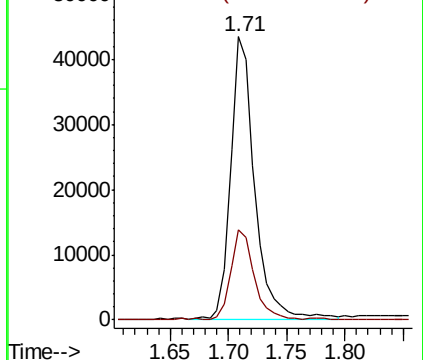
64 100

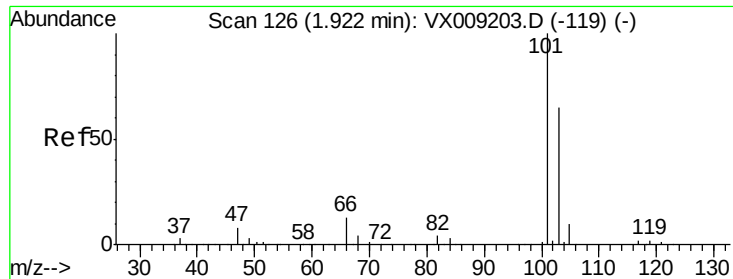
66 31.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



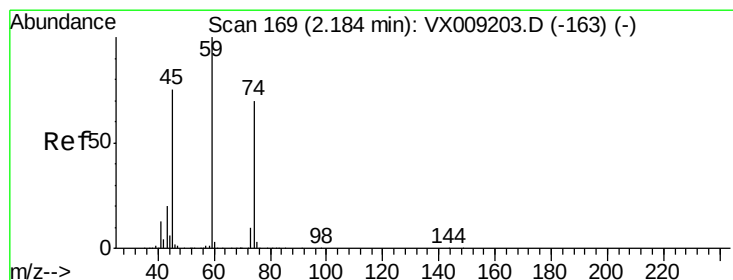
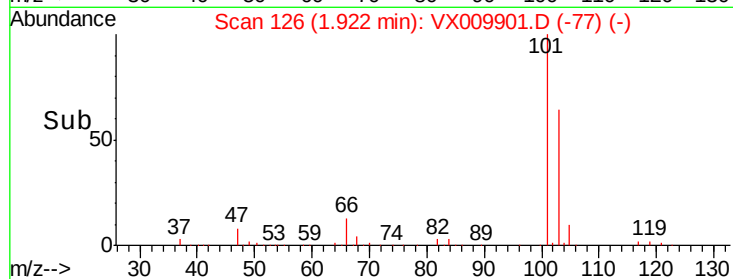
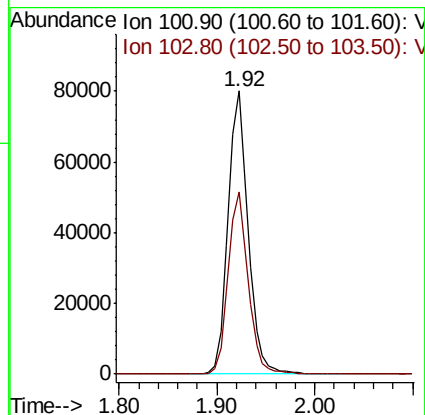
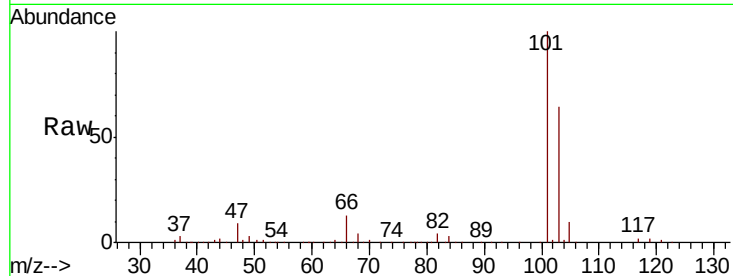


#7

Trichlorofluoromethane
 Concen: 45.537 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

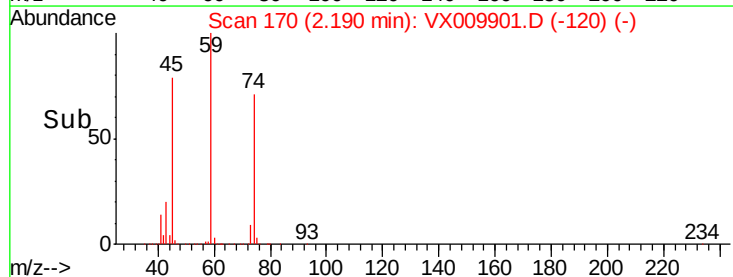
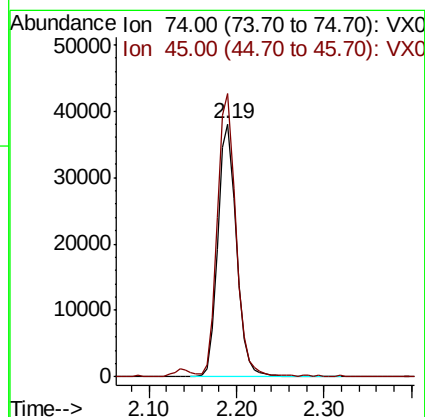
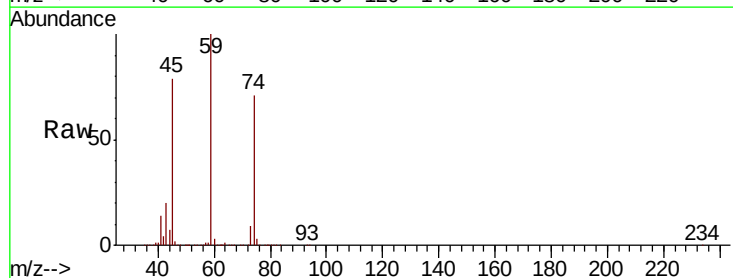
Tot Ion:101 Resp: 114250
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.4 78.6

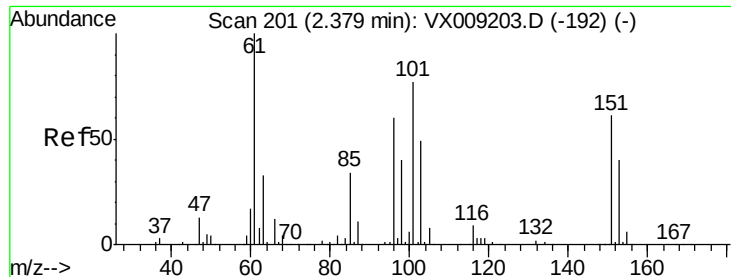


#8

Diethyl Ether
 Concen: 46.878 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion: 74 Resp: 55711
 Ion Ratio Lower Upper
 74 100
 45 110.7 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.024 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

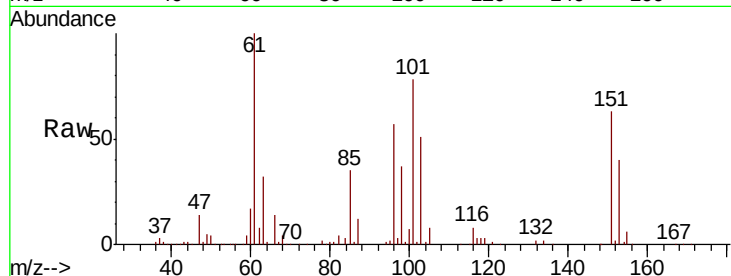
Tot Ion:101 Resp: 67786

Ion Ratio Lower Upper

101 100

85 45.1 35.7 53.5

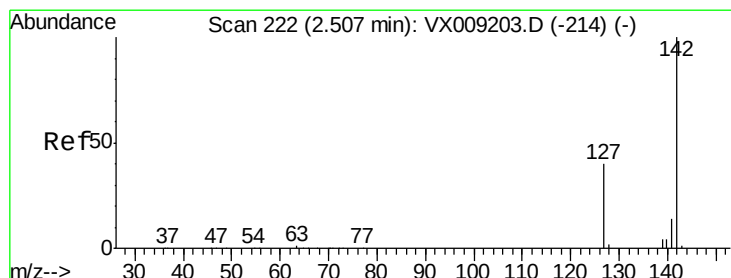
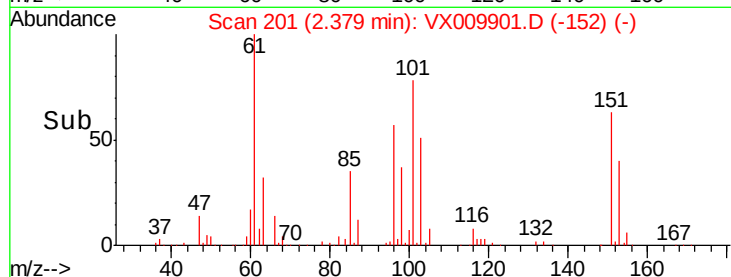
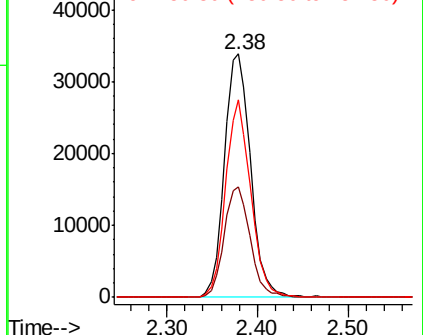
151 77.9 62.2 93.2



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: 42.446 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

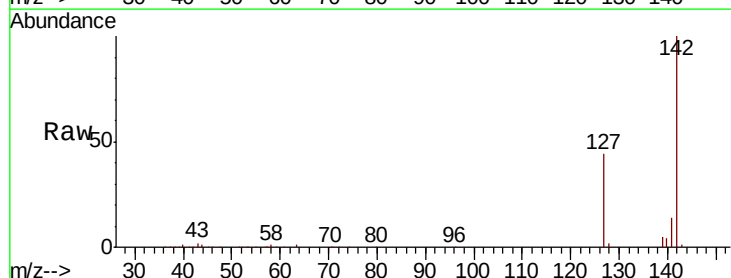
Tgt Ion:142 Resp: 76303

Ion Ratio Lower Upper

142 100

127 41.6 32.7 49.1

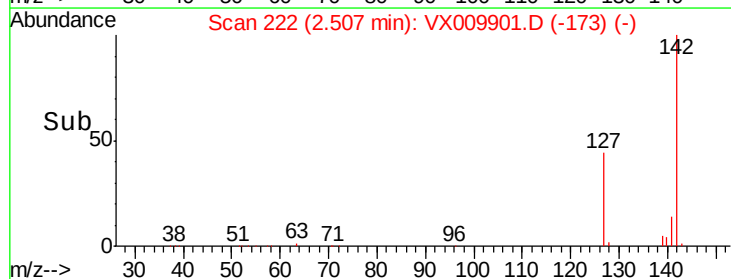
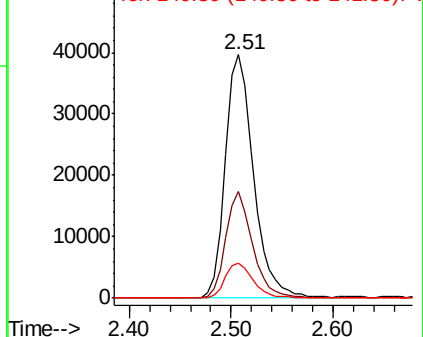
141 14.3 11.5 17.3

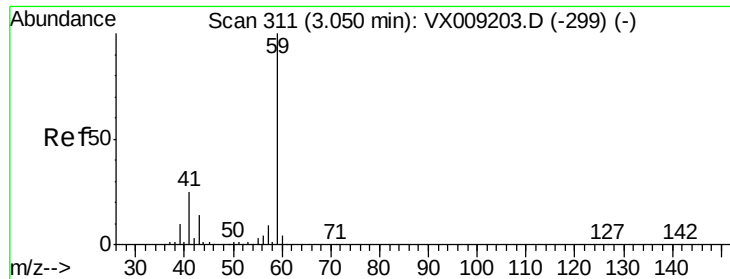


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



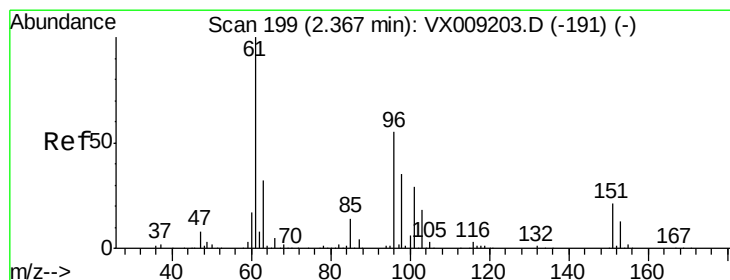
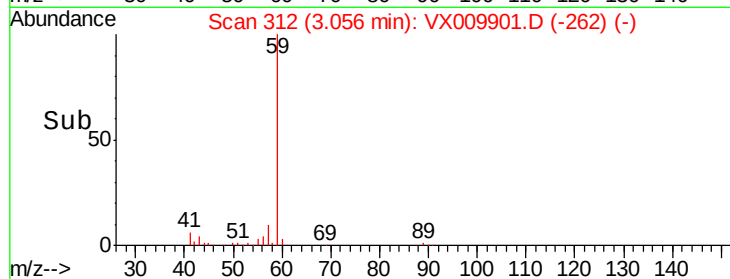
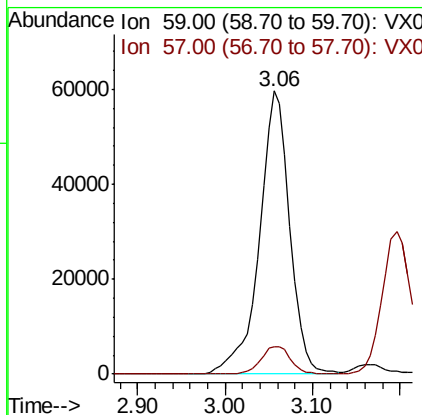
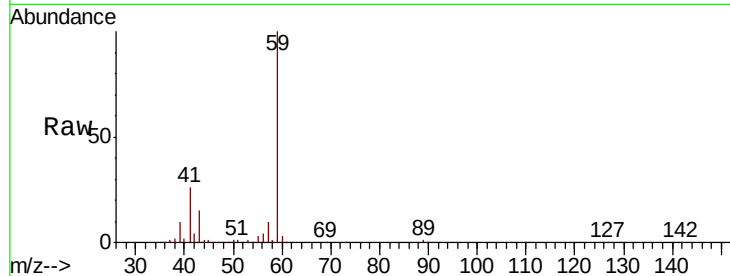


#11

Tert butyl alcohol
 Concen: 271.836 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

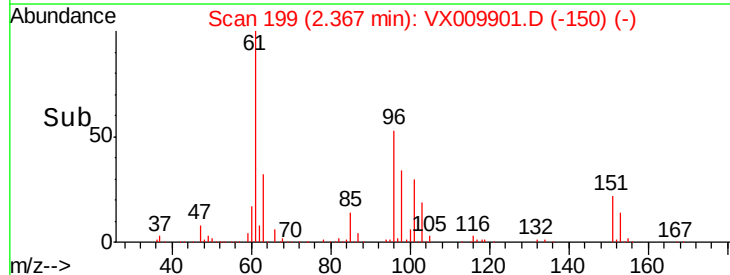
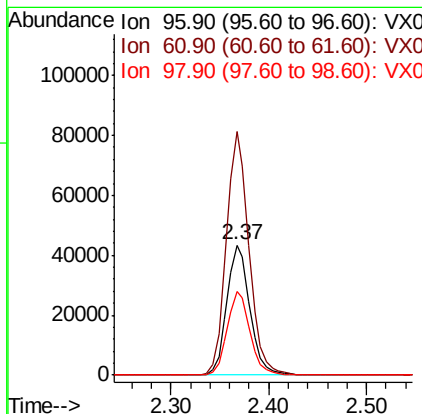
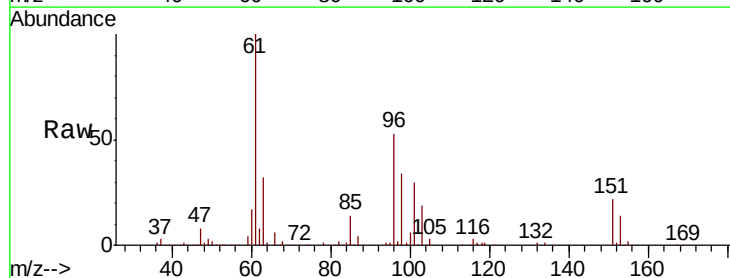
Tot Ion: 59 Resp: 144517
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.2 12.2

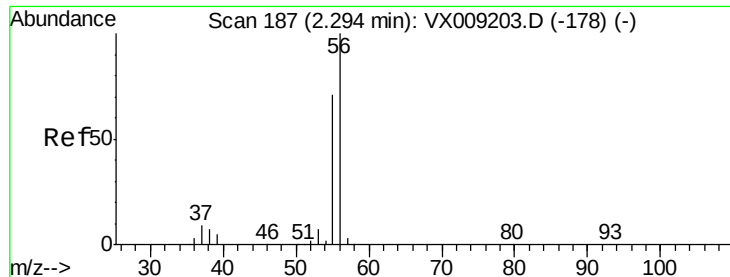


#12

1,1-Dichloroethene
 Concen: 44.909 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion: 96 Resp: 70894
 Ion Ratio Lower Upper
 96 100
 61 187.2 144.3 216.5
 98 64.1 50.3 75.5





#13

Acrolein

Concen: 211.276 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

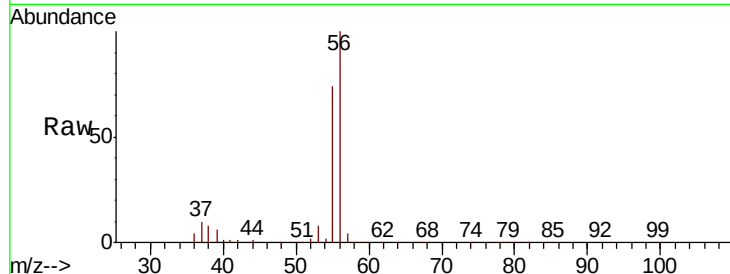
VSTDCCC050EC

Tot Ion: 56 Resp: 101722

Ion Ratio Lower Upper

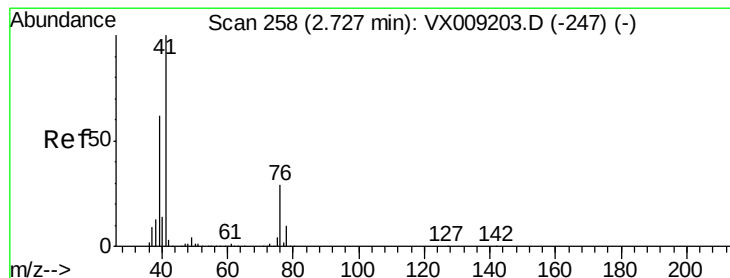
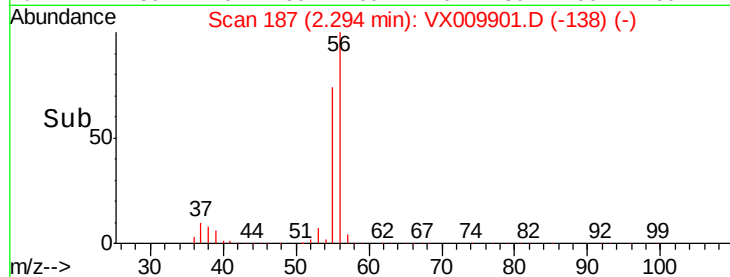
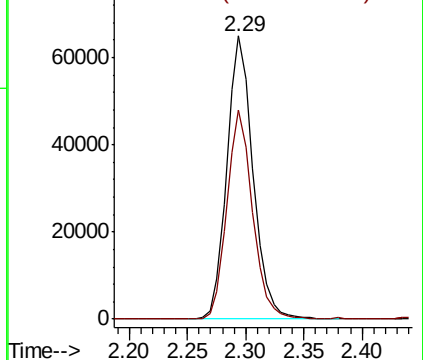
56 100

55 72.0 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.415 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

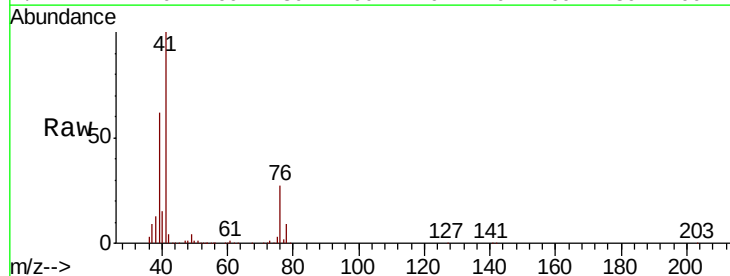
Tgt Ion: 41 Resp: 182410

Ion Ratio Lower Upper

41 100

39 59.1 46.7 70.1

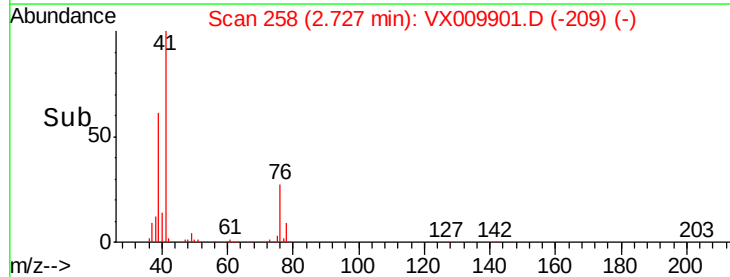
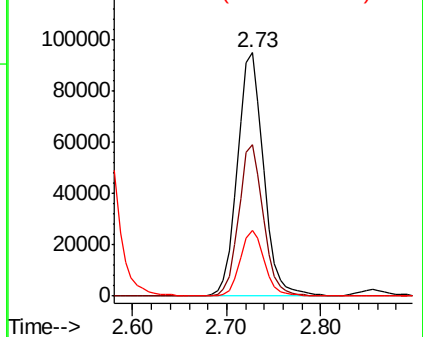
76 25.2 21.8 32.8

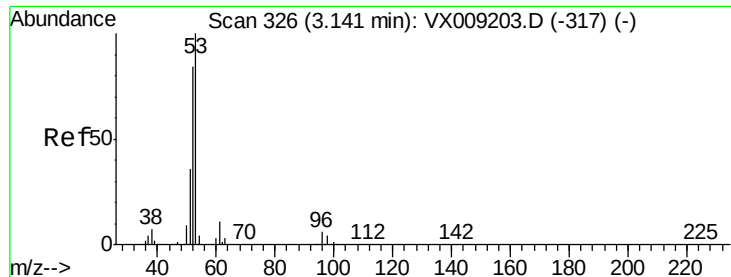


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 244.226 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

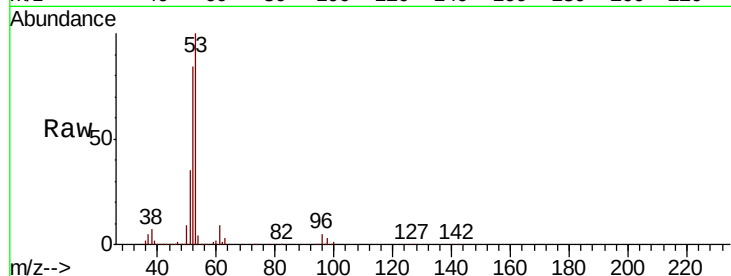
Tot Ion: 53 Resp: 317465

Ion Ratio Lower Upper

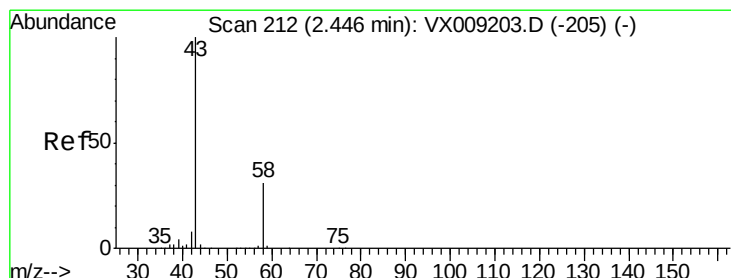
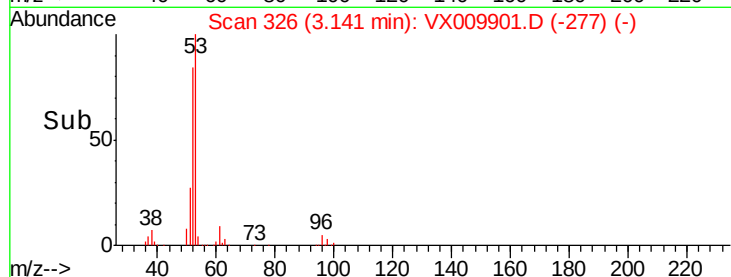
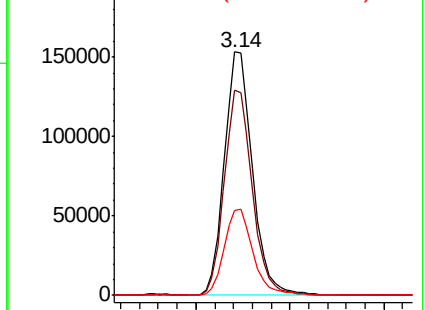
53 100

52 83.6 66.9 100.3

51 36.1 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 233.090 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009901.D

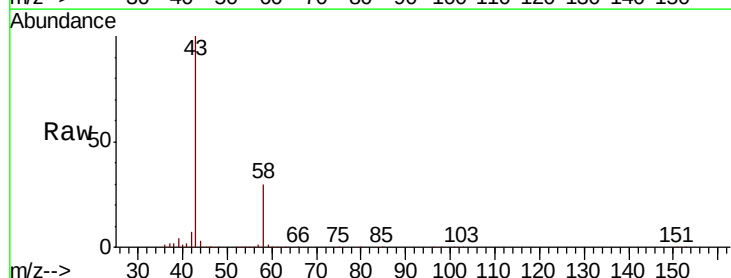
Acq: 24 May 2019 20:51

Tgt Ion: 43 Resp: 287457

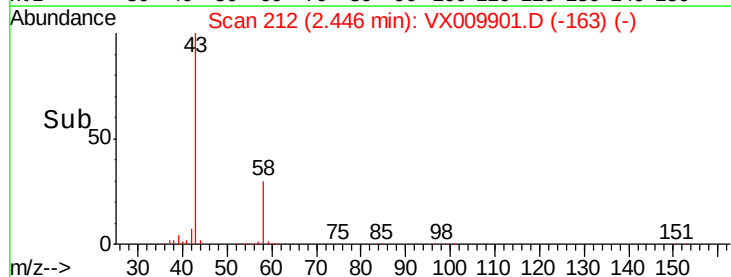
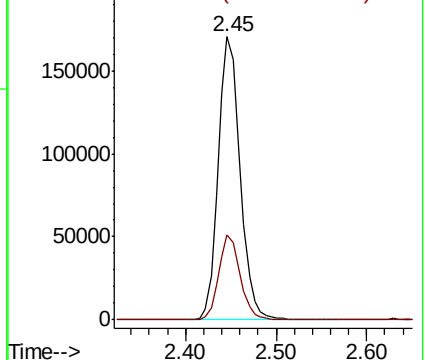
Ion Ratio Lower Upper

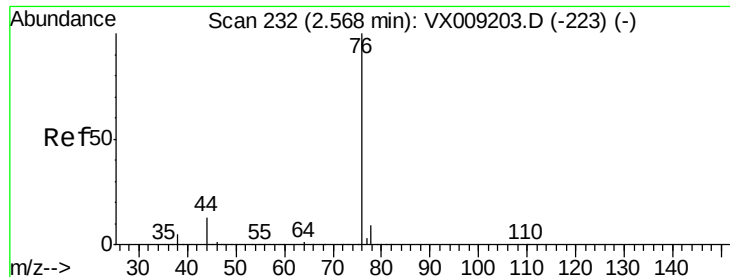
43 100

58 30.0 24.9 37.3



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





#17

Carbon Disulfide

Concen: 46.060 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

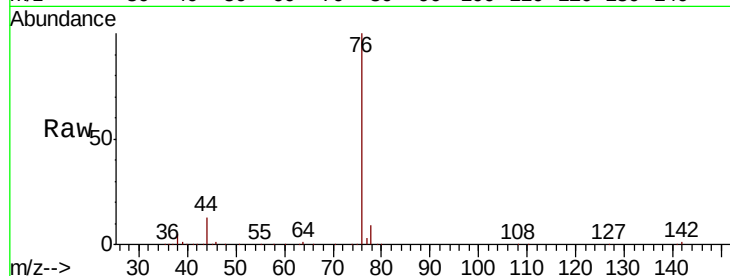
VSTDCCC050EC

Tot Ion: 76 Resp: 204141

Ion Ratio Lower Upper

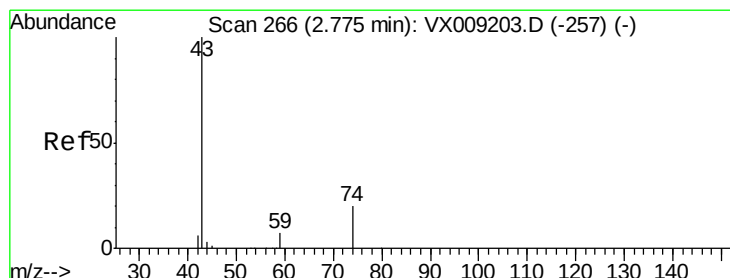
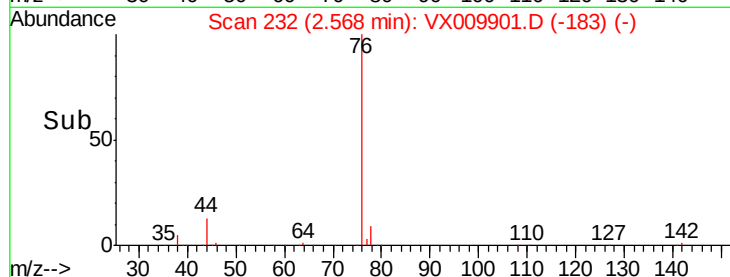
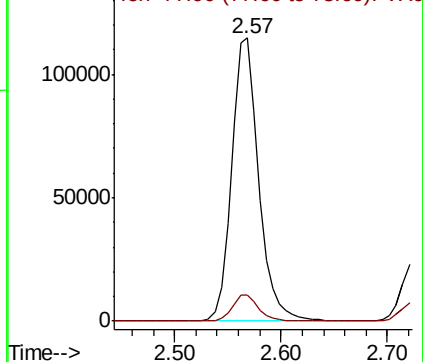
76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.638 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009901.D

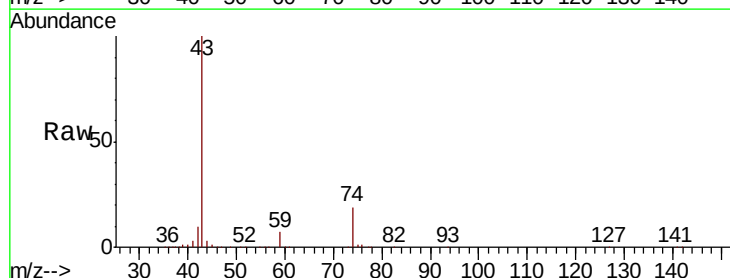
Acq: 24 May 2019 20:51

Tgt Ion: 43 Resp: 142650

Ion Ratio Lower Upper

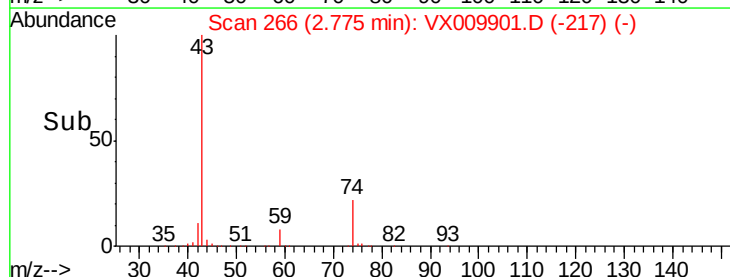
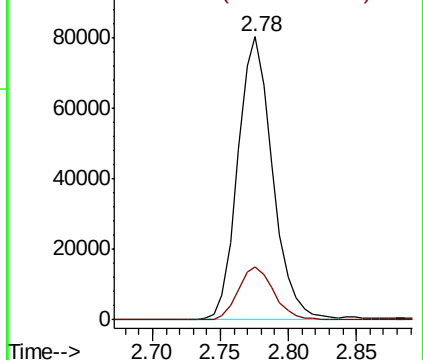
43 100

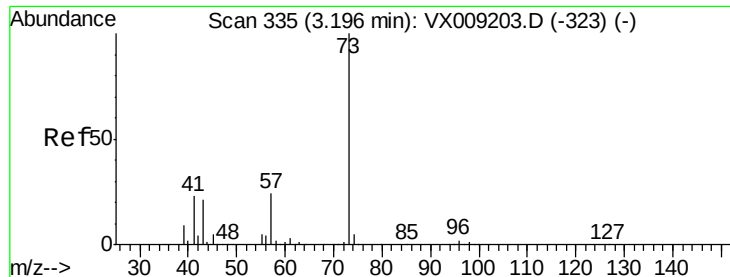
74 19.1 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



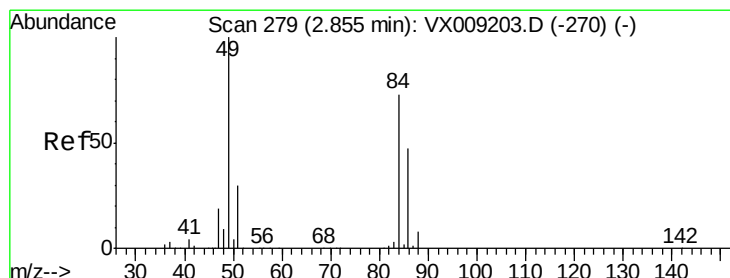
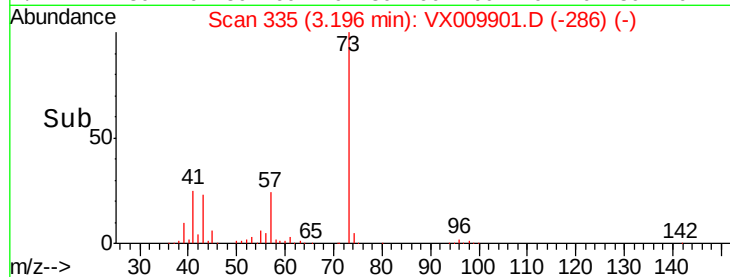
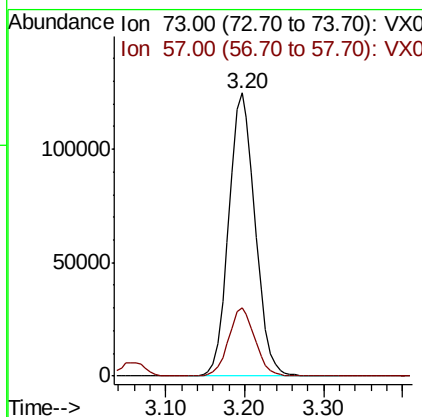
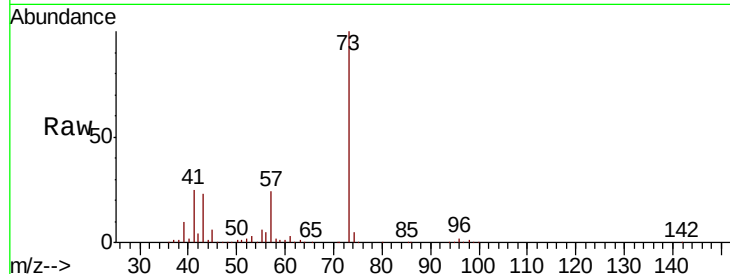


#19

Methyl tert-butyl Ether
 Concen: 47.294 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

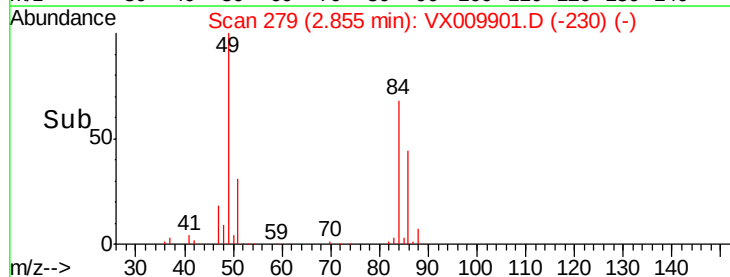
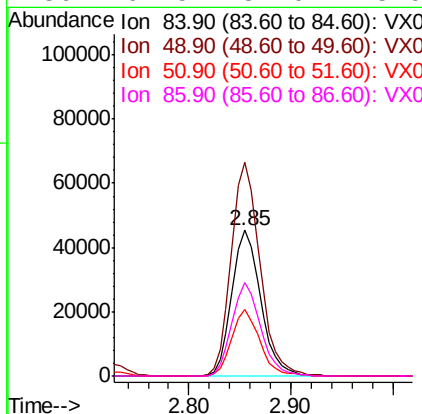
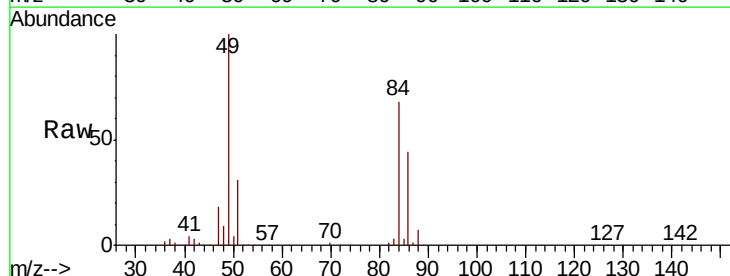
Tot Ion: 73 Resp: 289919
 Ion Ratio Lower Upper
 73 100
 57 24.1 19.3 28.9

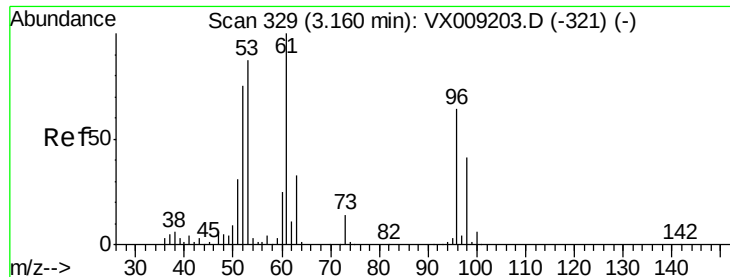


#20

Methylene Chloride
 Concen: 44.562 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion: 84 Resp: 88982
 Ion Ratio Lower Upper
 84 100
 49 146.8 109.9 164.9
 51 46.2 32.7 49.1
 86 64.5 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 46.671 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

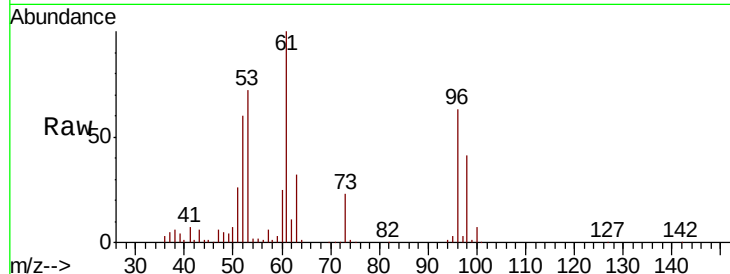
Tot Ion: 96 Resp: 79901

Ion Ratio Lower Upper

96 100

61 158.6 124.5 186.7

98 65.1 50.4 75.6

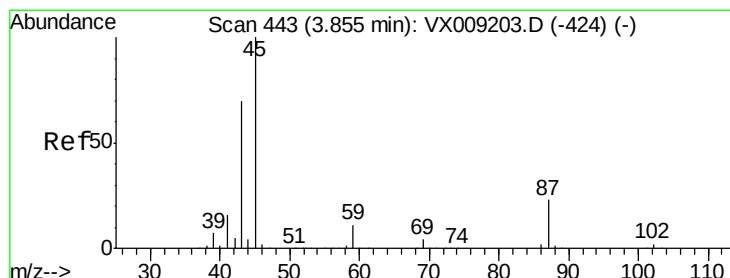
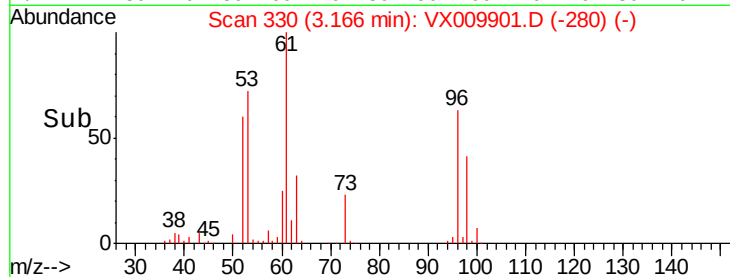
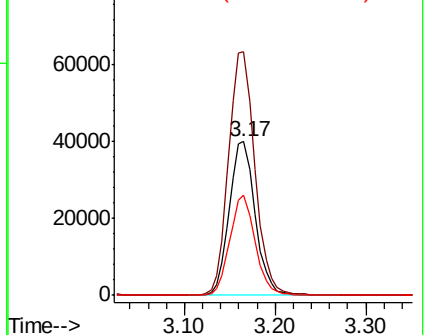


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.522 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Tgt Ion: 45 Resp: 358980

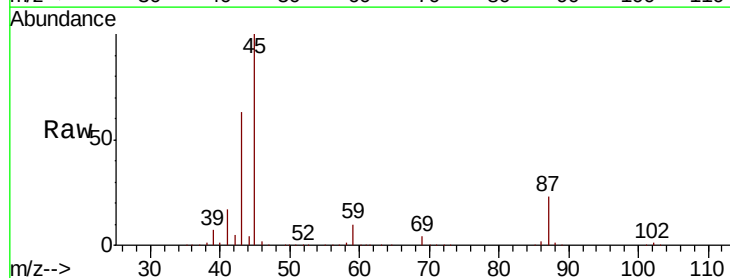
Ion Ratio Lower Upper

45 100

43 62.7 56.1 84.1

87 22.6 18.1 27.1

59 10.4 8.5 12.7



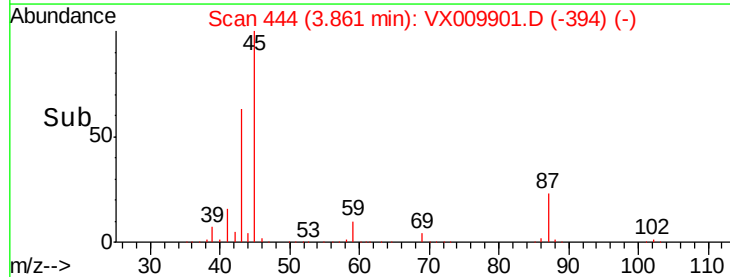
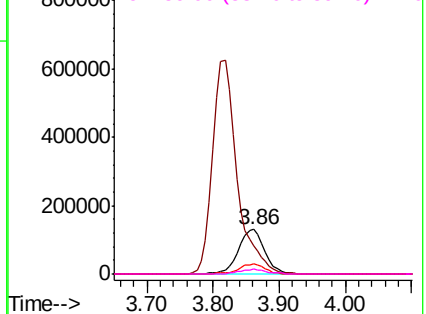
Abundance

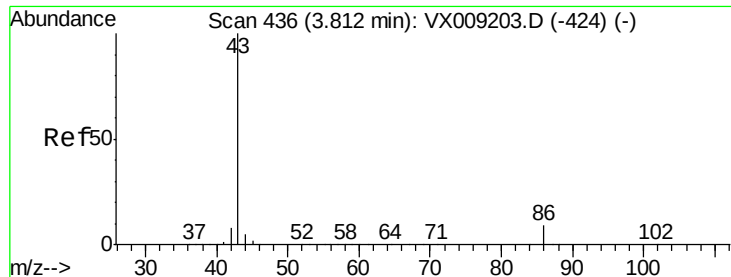
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 255.975 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

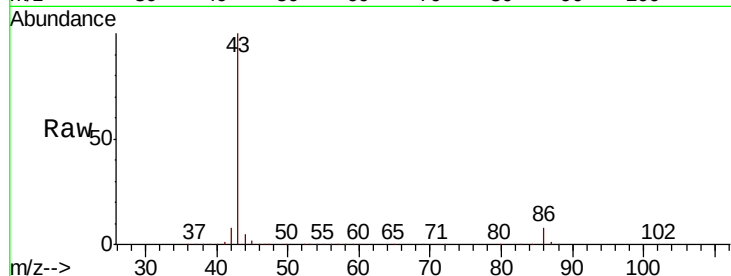
VSTDCCC050EC

Tot Ion: 43 Resp: 1621676

Ion Ratio Lower Upper

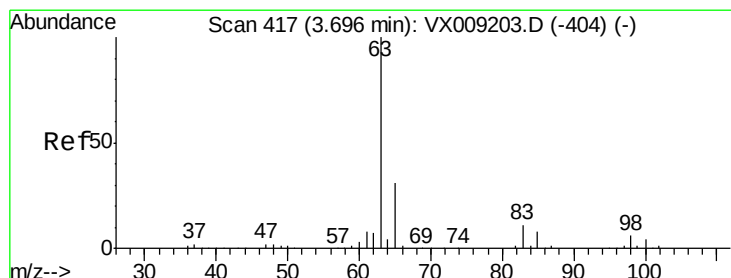
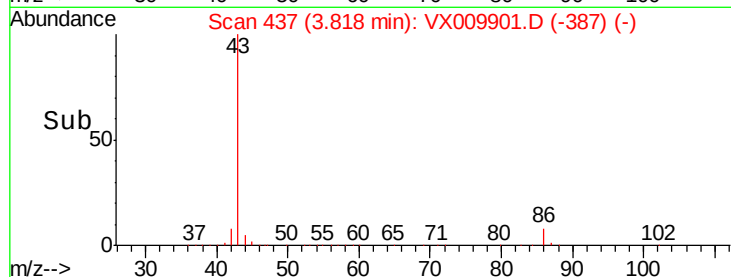
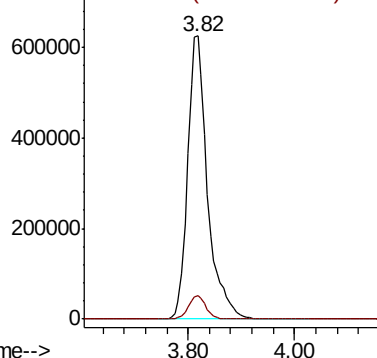
43 100

86 8.2 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: 46.099 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

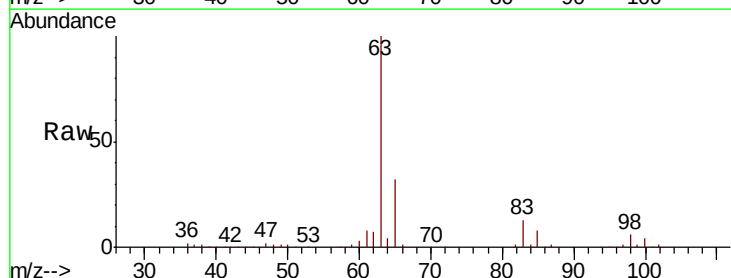
Tgt Ion: 63 Resp: 168249

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

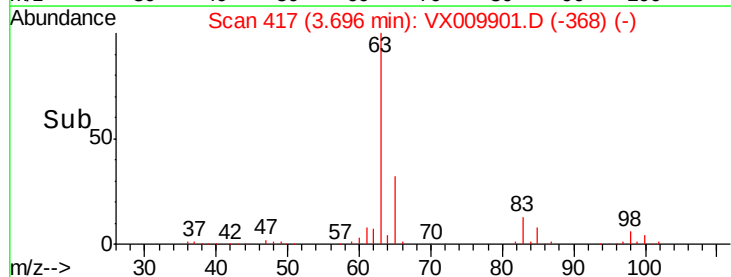
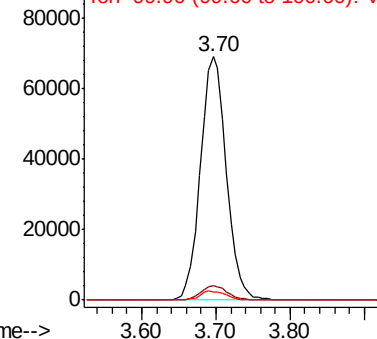
100 3.6 2.0 6.0

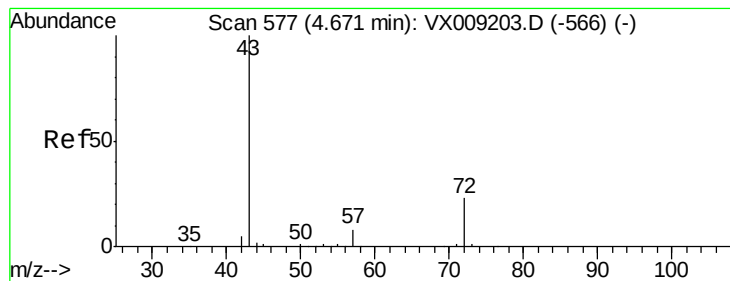


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 253.475 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

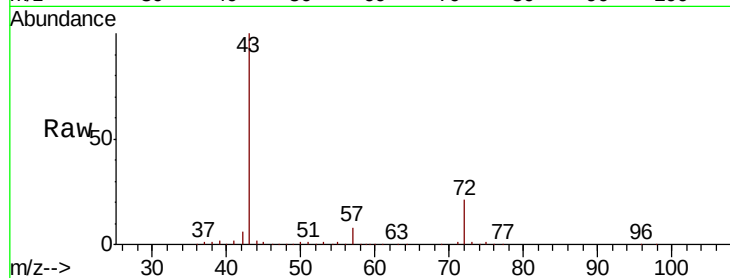
VSTDCCC050EC

Tot Ion: 43 Resp: 485766

Ion Ratio Lower Upper

43 100

72 21.4 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

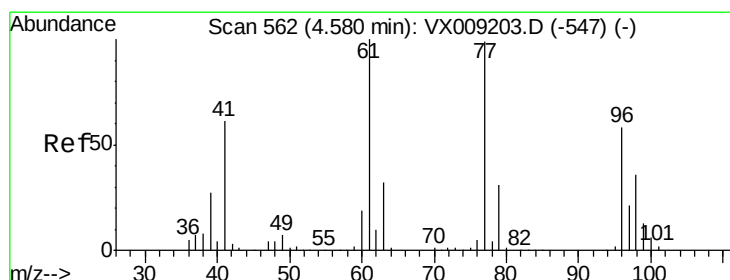
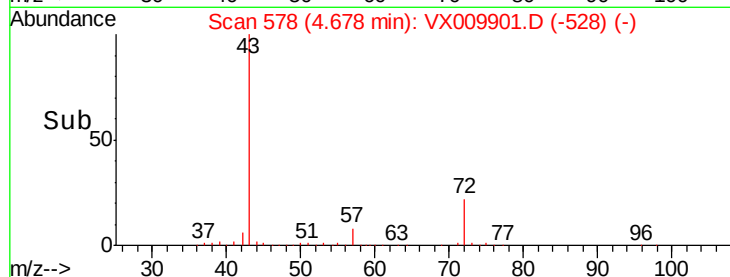
50000

0

4.68

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 40.270 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009901.D

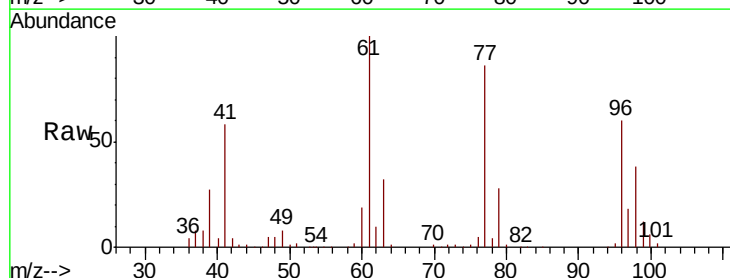
Acq: 24 May 2019 20:51

Tgt Ion: 77 Resp: 109397

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

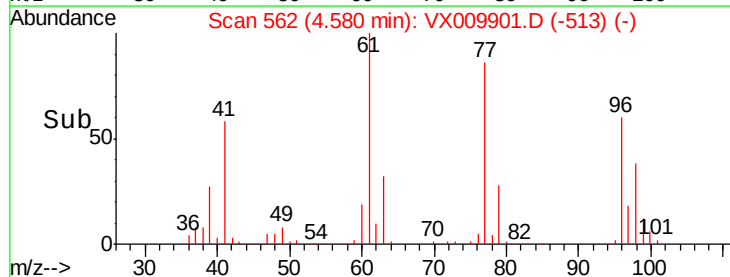
10000

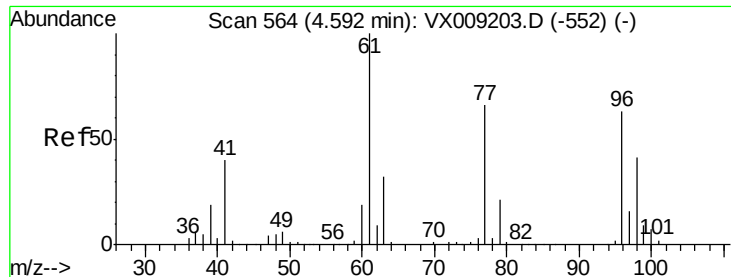
0

4.58

4.50 4.60 4.70

Time-->



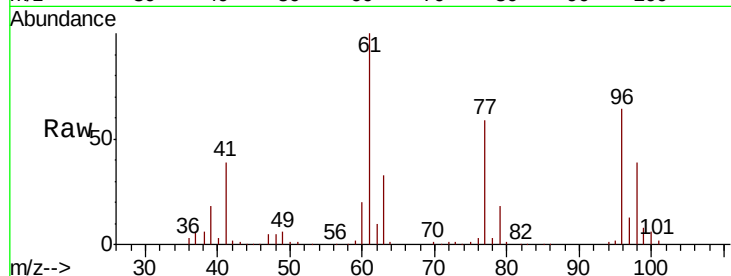


#27

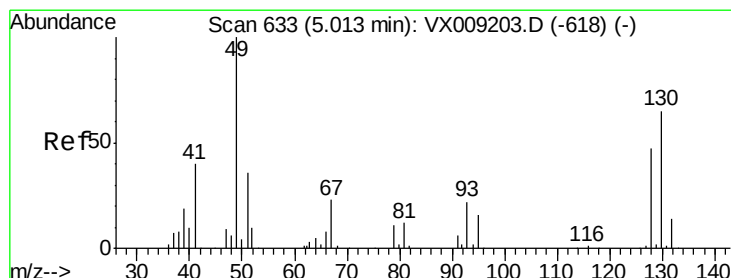
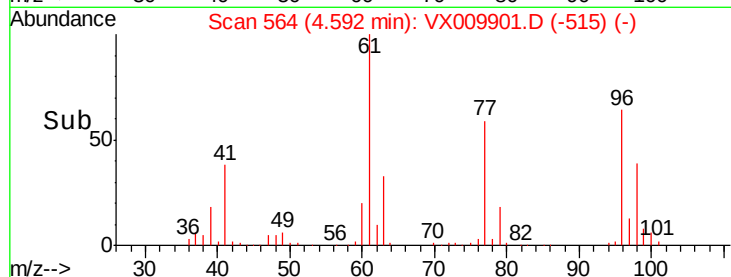
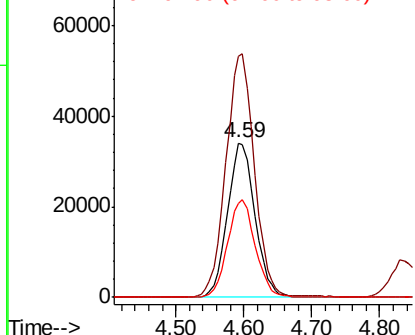
cis-1,2-Dichloroethene
Concen: 46.596 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 95217
Ion Ratio Lower Upper
96 100
61 163.4 0.0 324.0
98 63.8 0.0 130.4



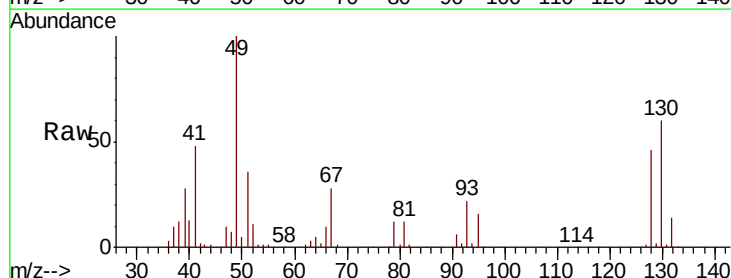
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



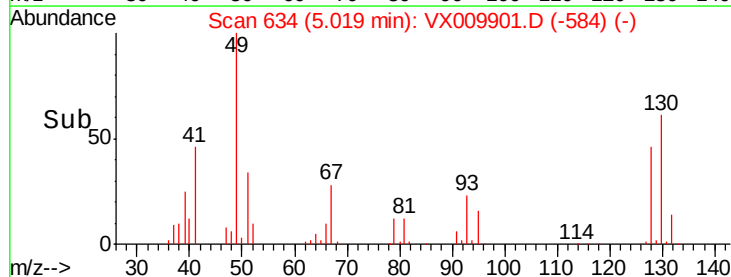
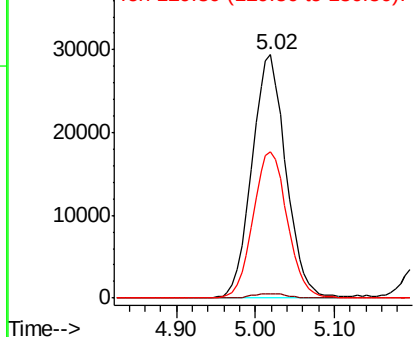
#28

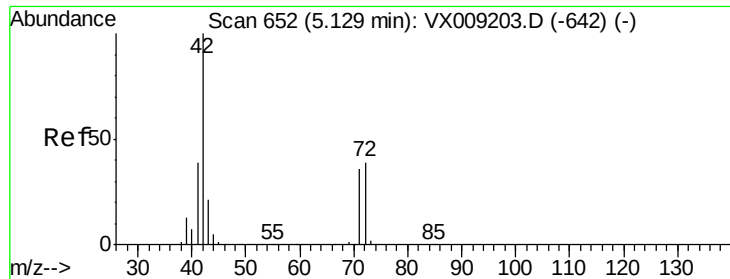
Bromochloromethane
Concen: 60.435 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion: 49 Resp: 87950
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.8
130 60.6 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

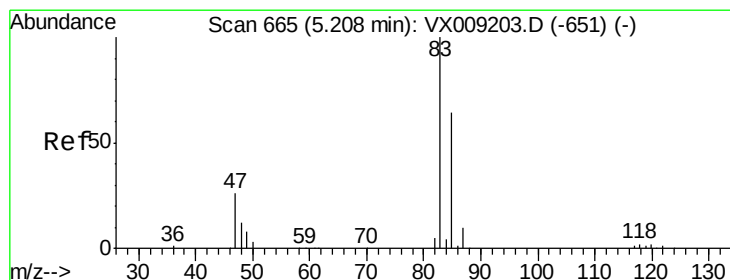
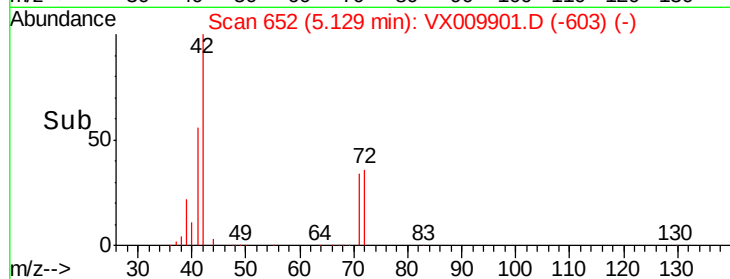
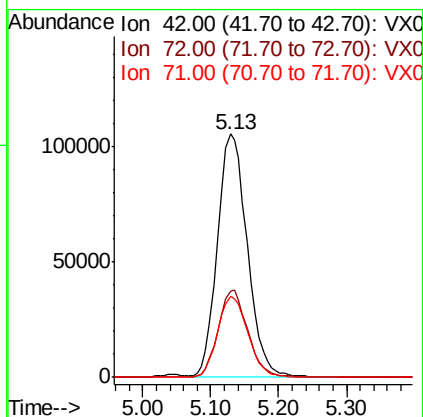
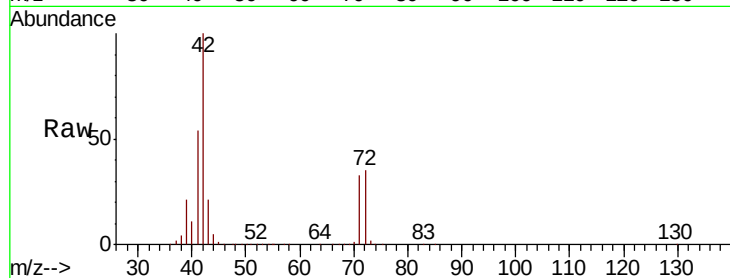




#29
Tetrahydrofuran
Concen: 260.030 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

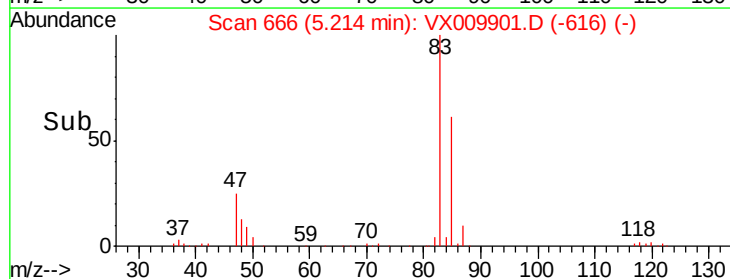
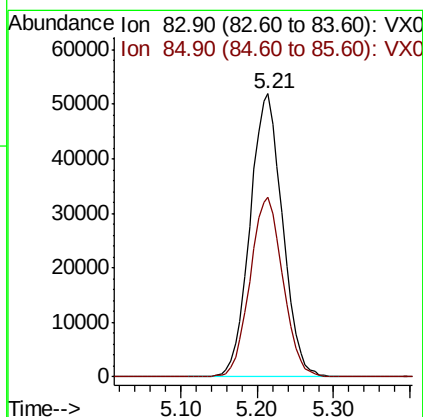
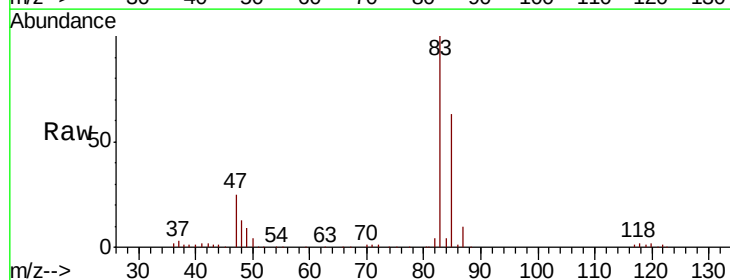
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

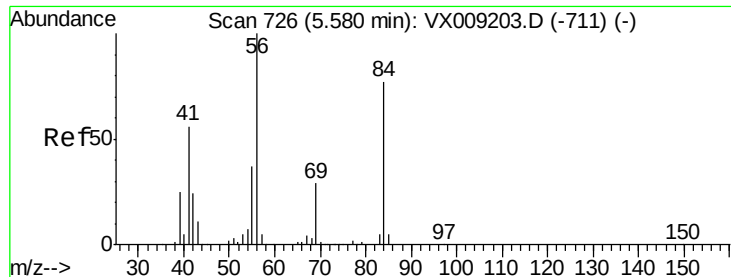
Tot Ion: 42 Resp: 320672
Ion Ratio Lower Upper
42 100
72 36.0 30.4 45.6
71 33.8 28.6 43.0



#30
Chloroform
Concen: 46.512 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion: 83 Resp: 153534
Ion Ratio Lower Upper
83 100
85 63.4 51.5 77.3

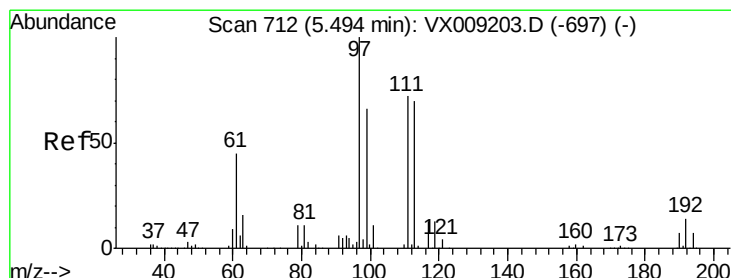
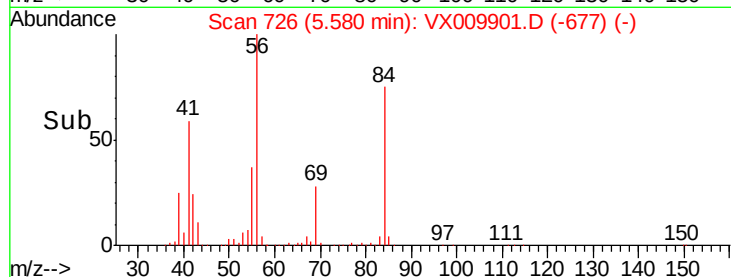
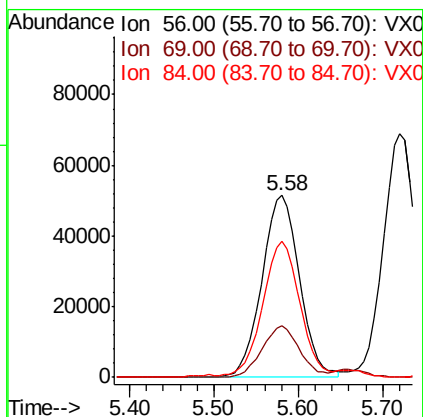
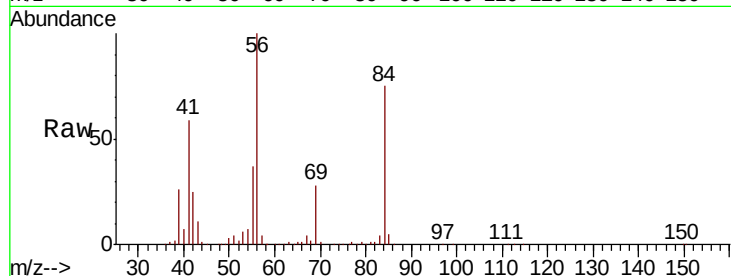




#31
Cyclohexane
Concen: 46.811 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

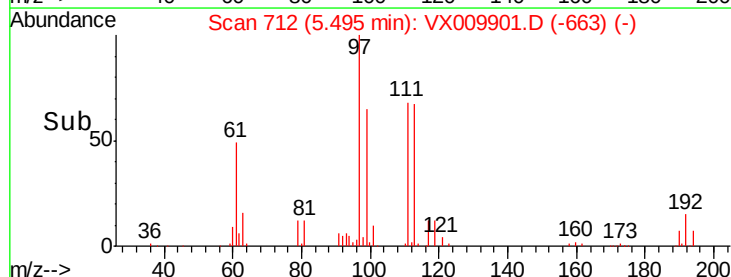
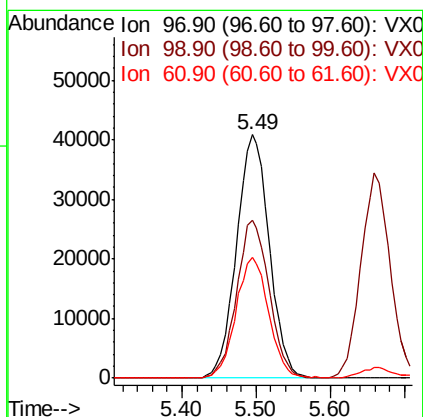
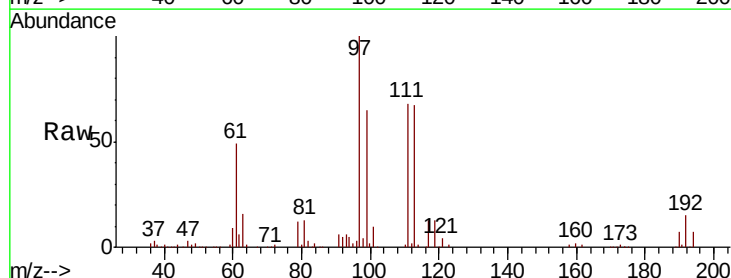
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

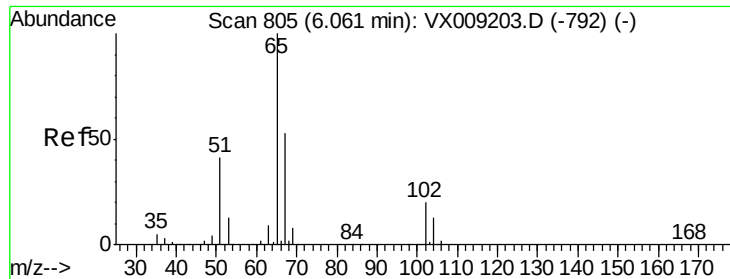
Tot Ion: 56 Resp: 158951
Ion Ratio Lower Upper
56 100
69 28.3 23.4 35.0
84 74.3 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 45.931 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion: 97 Resp: 126211
Ion Ratio Lower Upper
97 100
99 64.6 51.8 77.8
61 49.6 37.8 56.8

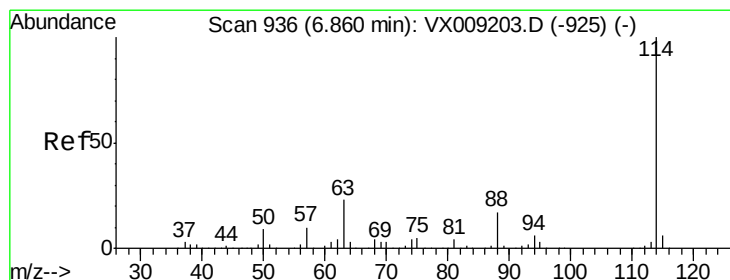
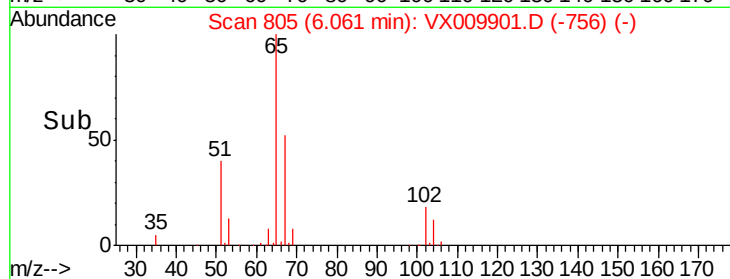
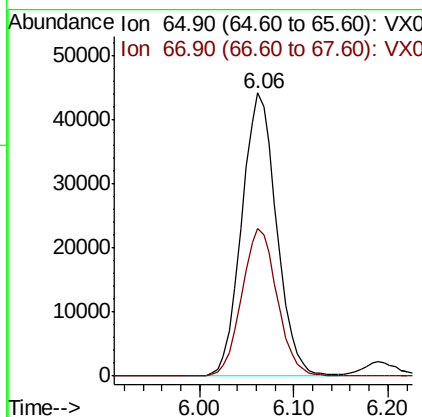
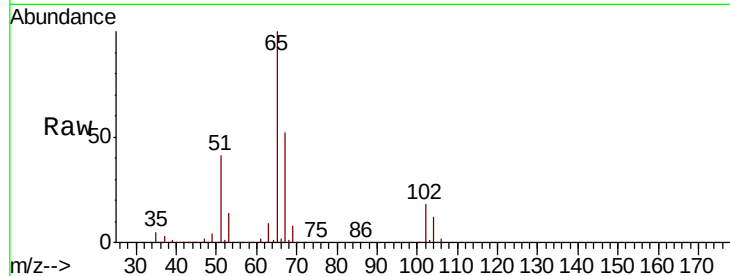




#33
 1,2-Dichloroethane-d4
 Concen: 49.938 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

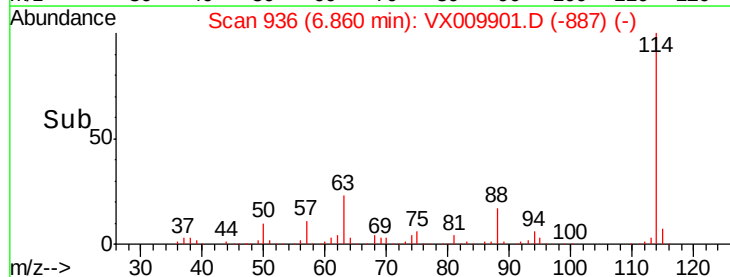
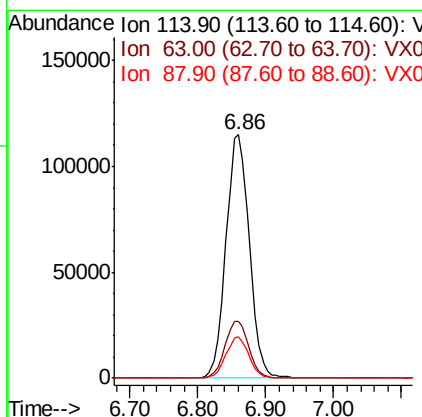
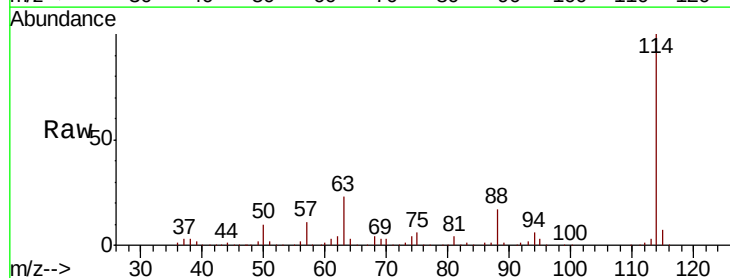
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

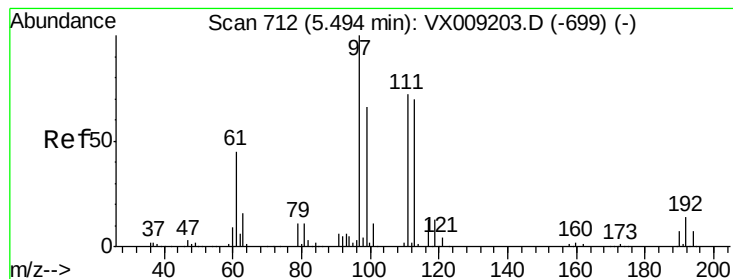
Tot Ion: 65 Resp: 114694
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion: 114 Resp: 273771
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.6
 88 16.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.241 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

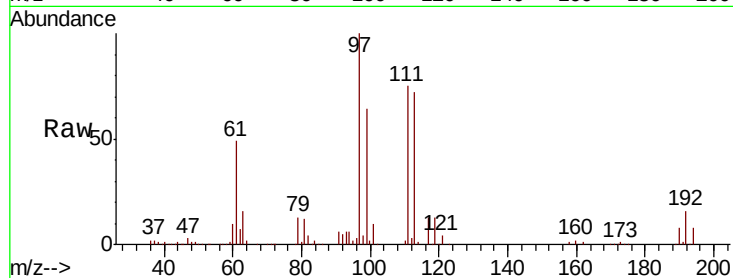
Tot Ion:113 Resp: 81304

Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

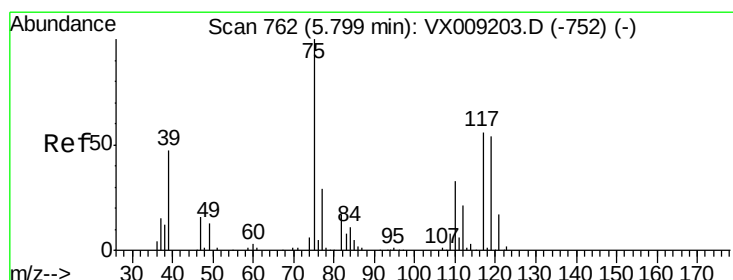
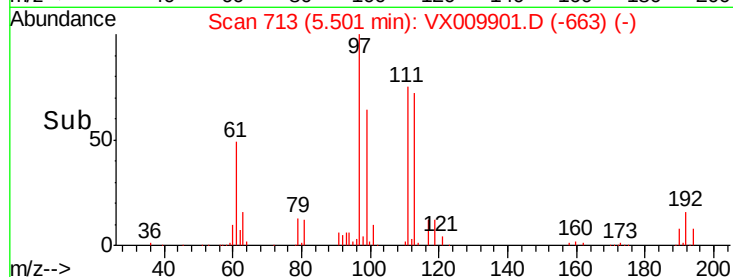
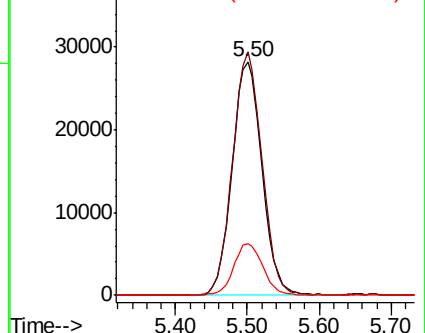
192 21.6 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.051 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

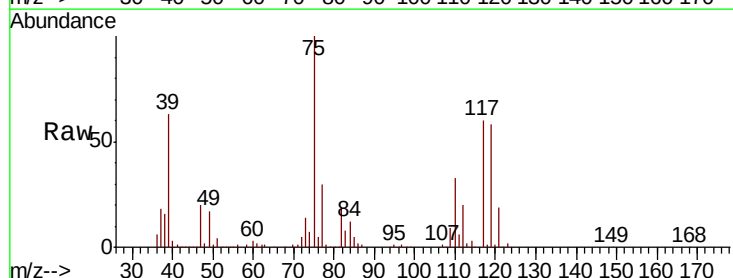
Tgt Ion: 75 Resp: 117162

Ion Ratio Lower Upper

75 100

110 33.1 16.9 50.6

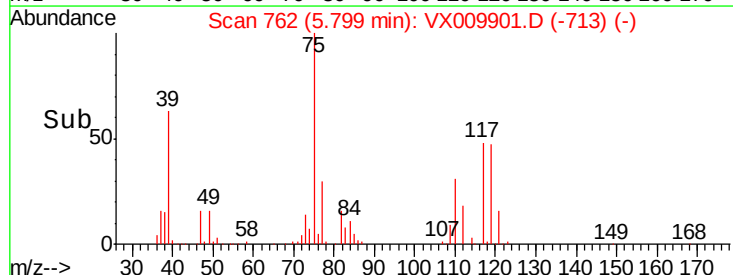
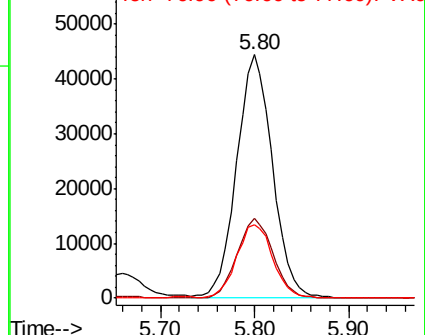
77 30.5 24.8 37.2

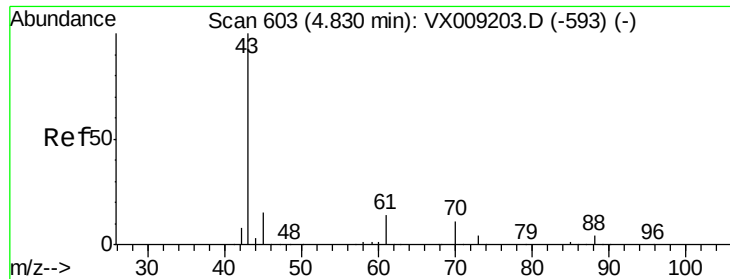


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 51.358 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

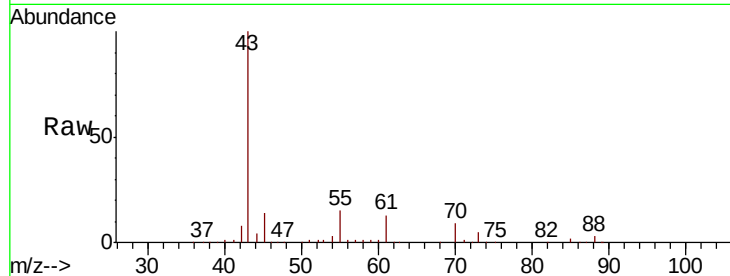
Tot Ion: 43 Resp: 182056

Ion Ratio Lower Upper

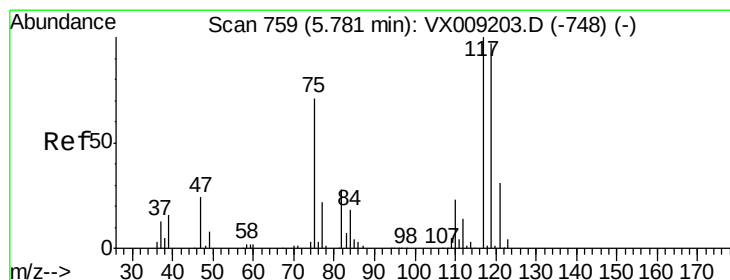
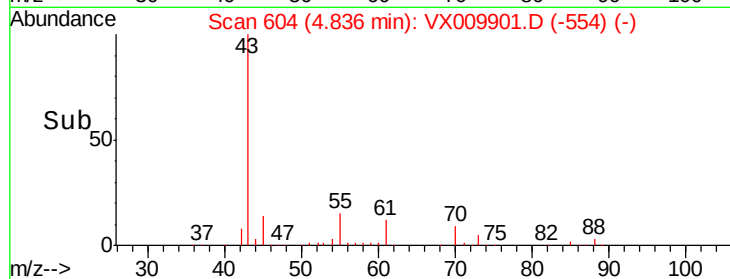
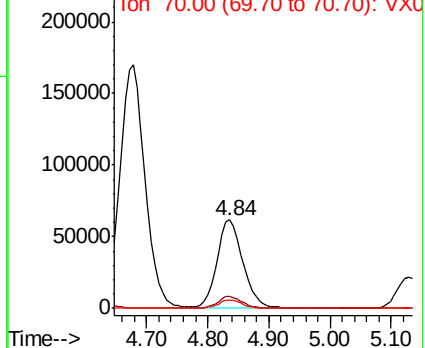
43 100

61 12.6 10.5 15.7

70 9.0 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 45.592 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

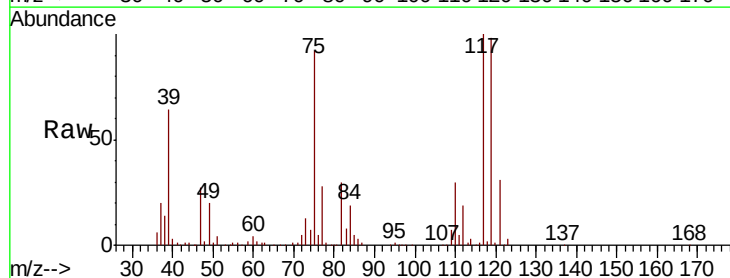
Tgt Ion: 117 Resp: 105389

Ion Ratio Lower Upper

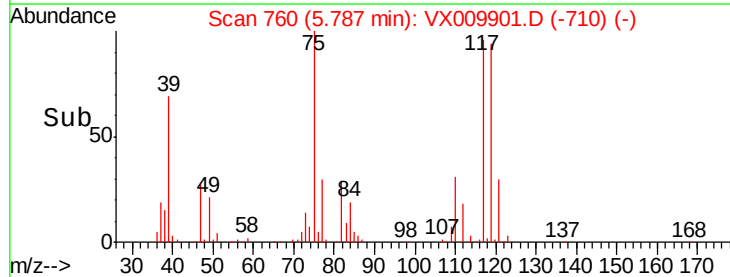
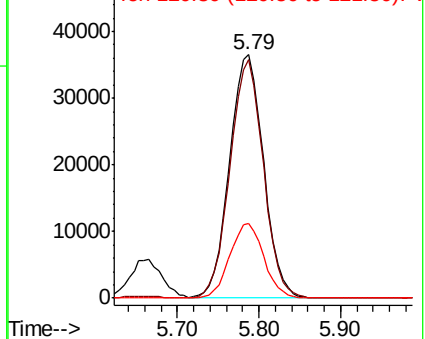
117 100

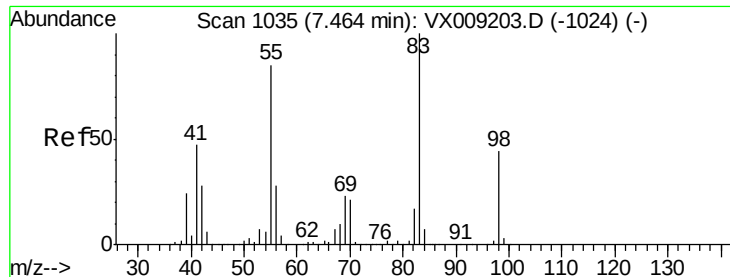
119 97.6 77.5 116.3

121 30.8 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

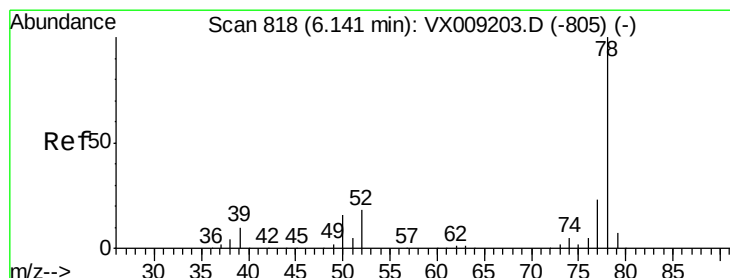
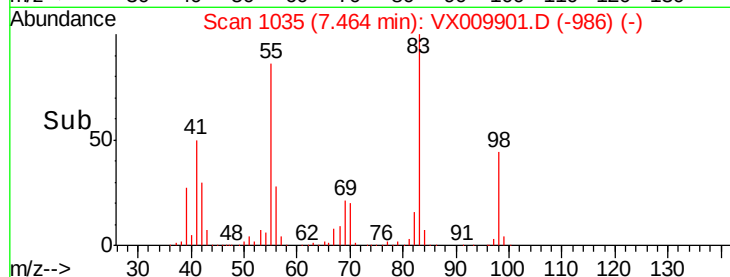
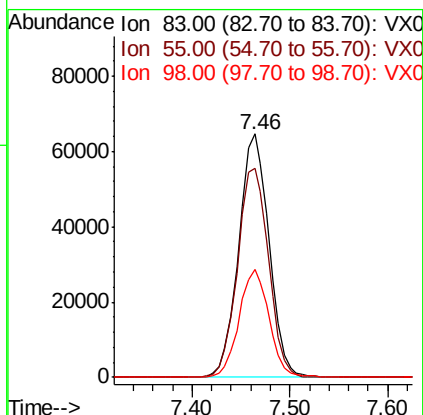
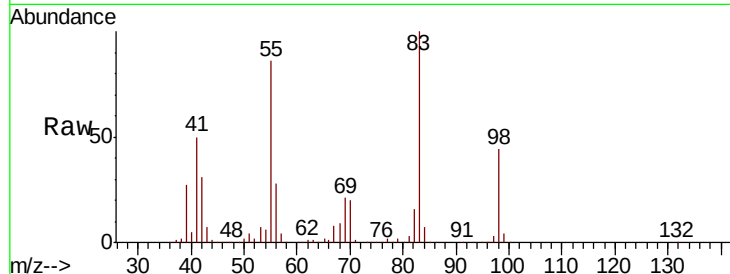




#39
Methylvlcyclohexane
Concen: 44.517 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

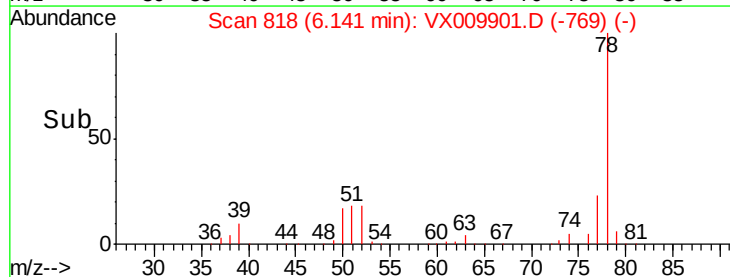
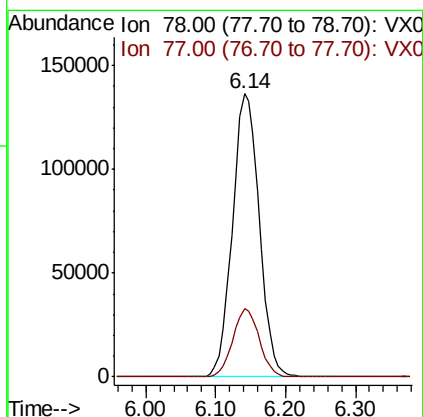
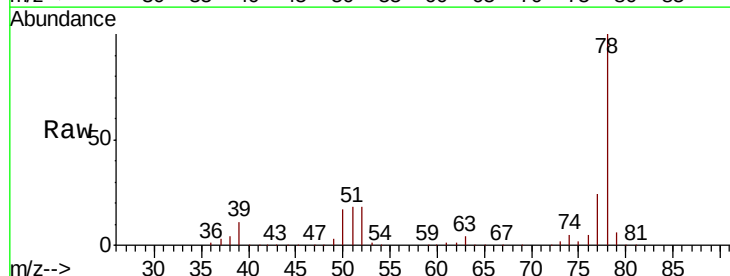
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

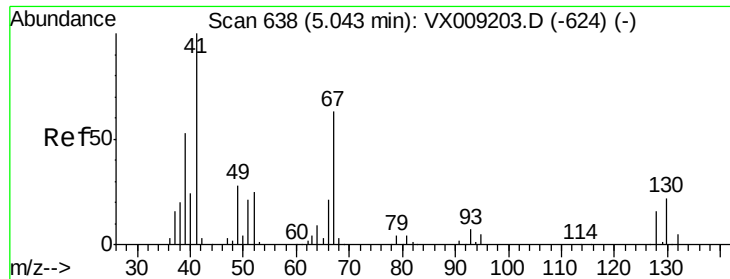
Tot Ion: 83 Resp: 139095
Ion Ratio Lower Upper
83 100
55 85.9 67.7 101.5
98 44.3 35.5 53.3



#40
Benzene
Concen: 46.088 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion: 78 Resp: 362891
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2

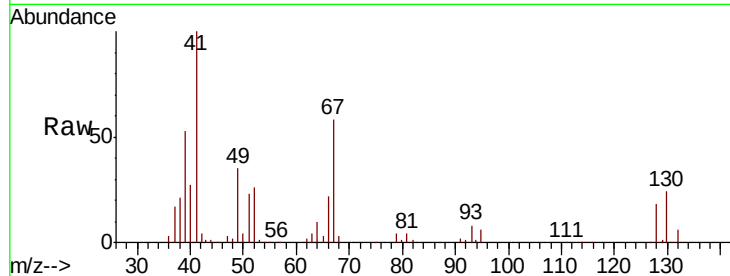




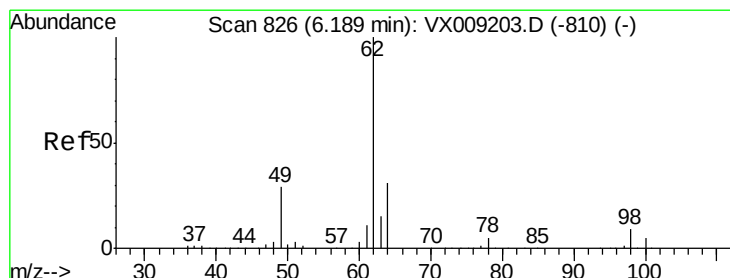
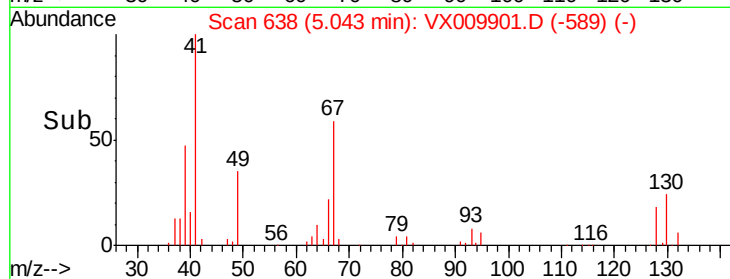
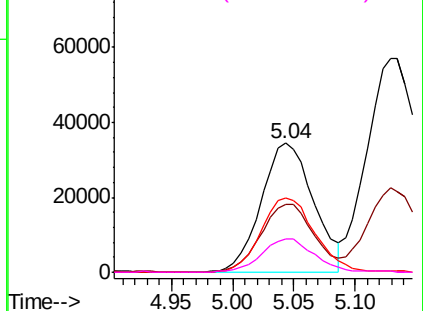
#41
Methacrylonitrile
Concen: 48.552 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	102450
Ion	Ratio	Lower	Upper
41	100		
39	53.1	42.0	63.0
67	60.0	49.8	74.8
52	26.2	20.3	30.5

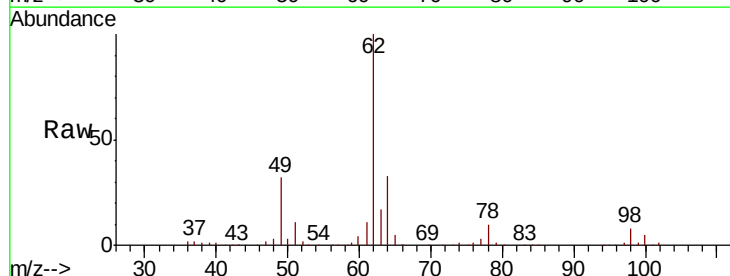


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

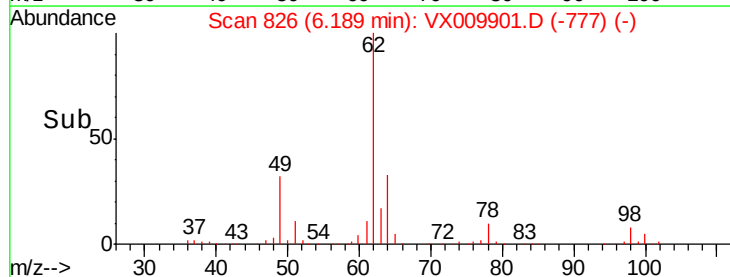
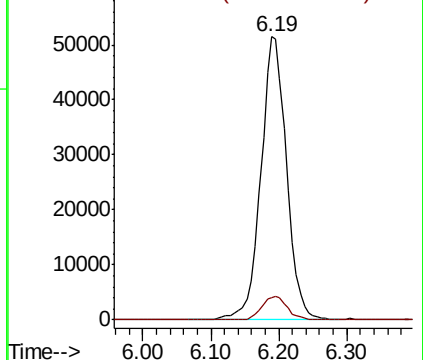


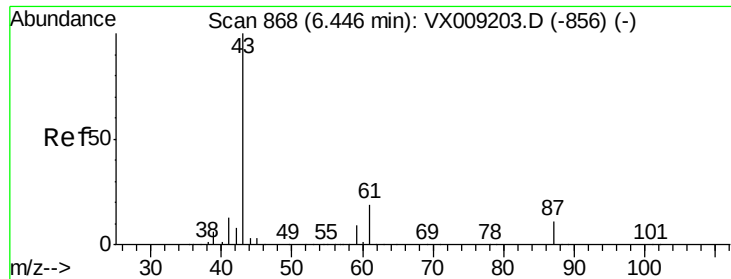
#42
1,2-Dichloroethane
Concen: 47.968 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion:	62	Resp:	135485
Ion	Ratio	Lower	Upper
62	100		
98	8.3	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: 50.867 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

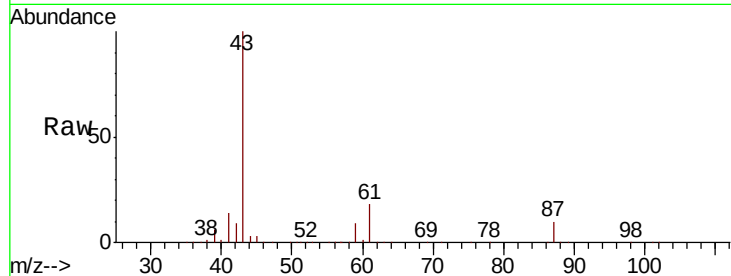
Tot Ion: 43 Resp: 288424

Ion Ratio Lower Upper

43 100

61 18.0 15.1 22.7

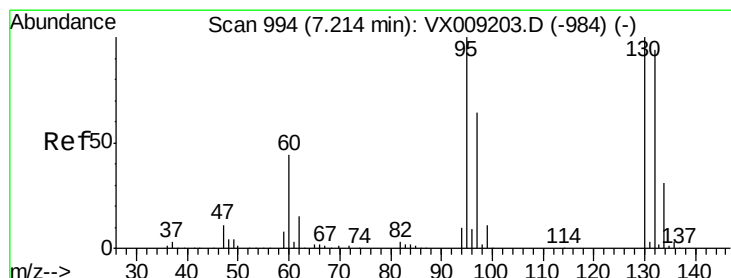
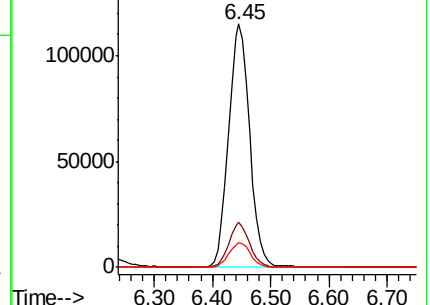
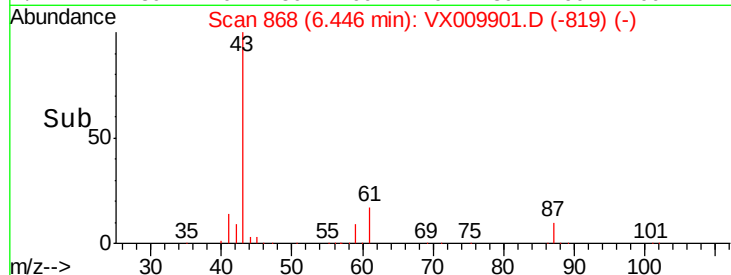
87 10.4 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 47.195 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009901.D

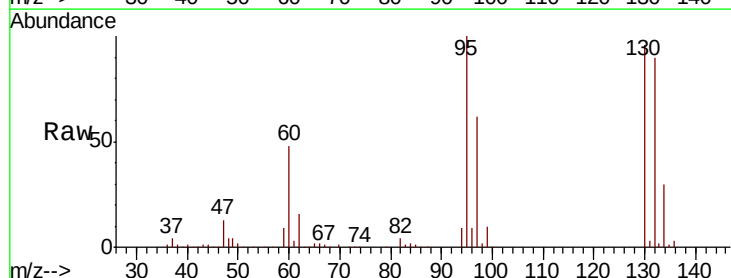
Acq: 24 May 2019 20:51

Tgt Ion:130 Resp: 89837

Ion Ratio Lower Upper

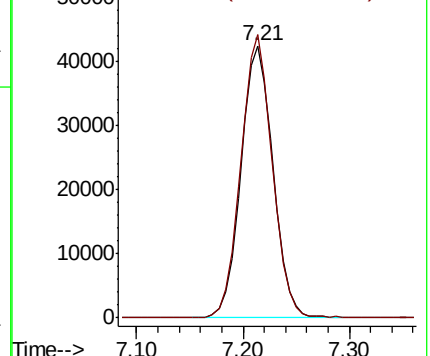
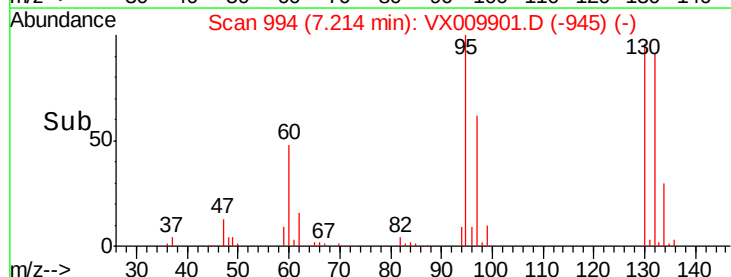
130 100

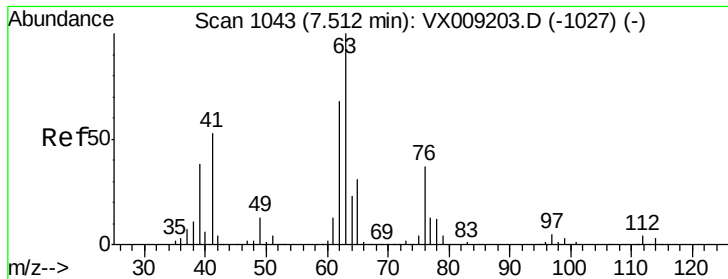
95 103.9 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

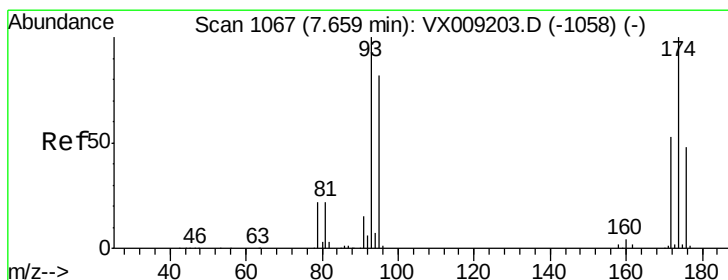
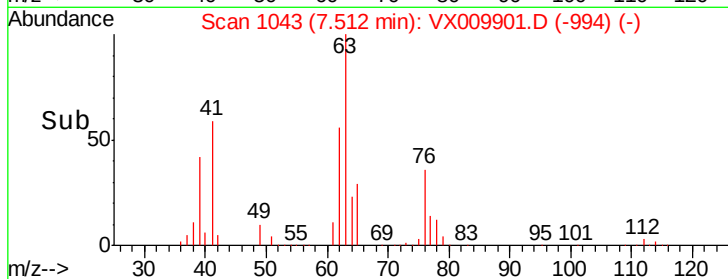
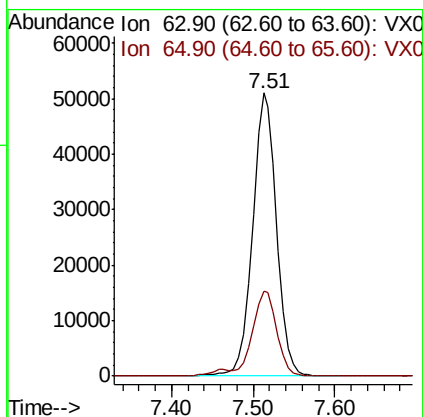
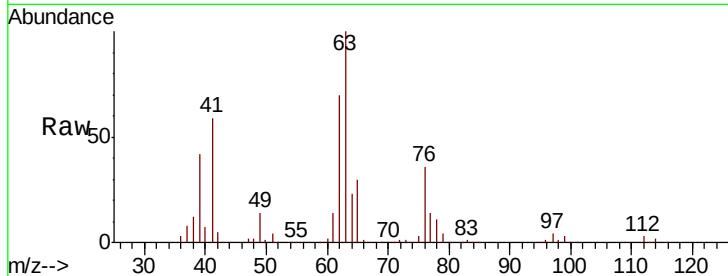




#45
 1,2-Dichloropropane
 Concen: 47.028 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

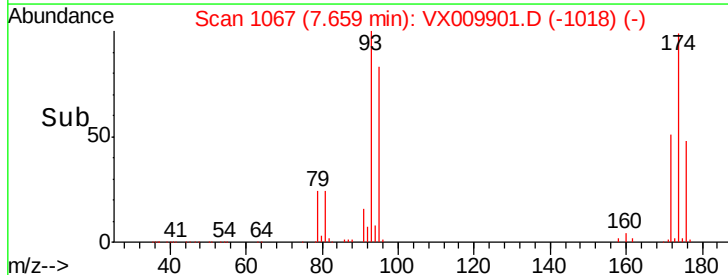
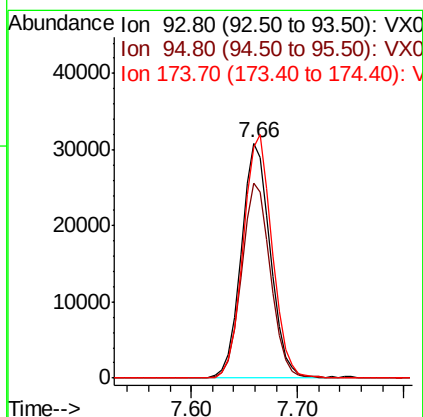
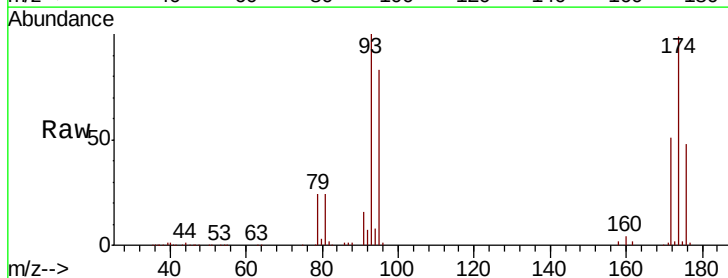
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

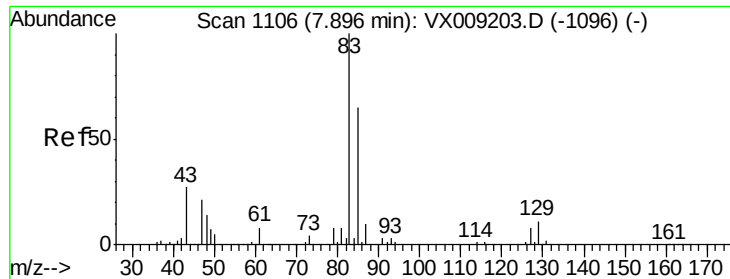
Tot Ion: 63 Resp: 104852
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6



#46
 Dibromomethane
 Concen: 45.606 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion: 93 Resp: 59047
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.5 99.7
 174 103.5 82.1 123.1

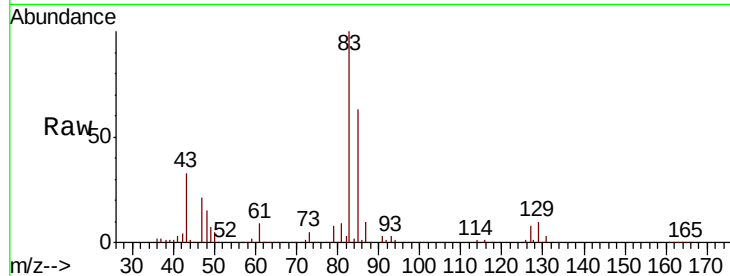




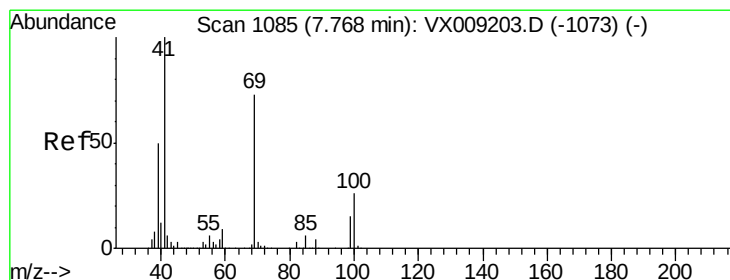
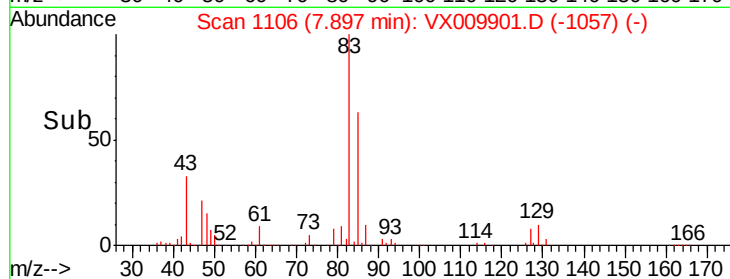
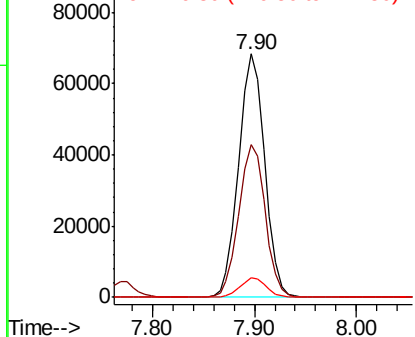
#47
 Bromodichloromethane
 Concen: 47.037 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 83 Resp: 121480
 Ion Ratio Lower Upper
 83 100
 85 62.8 52.4 78.6
 127 7.9 6.6 10.0

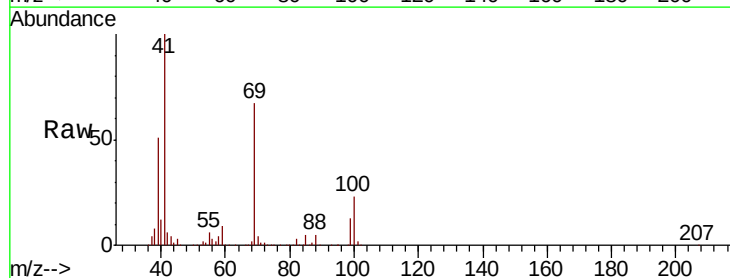


Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 126.80 (126.50 to 127.50): V

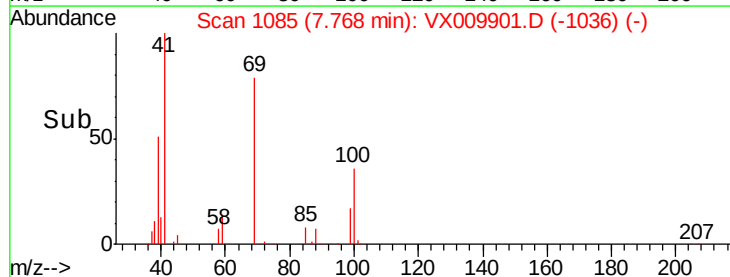
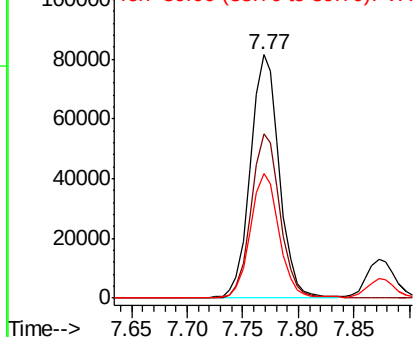


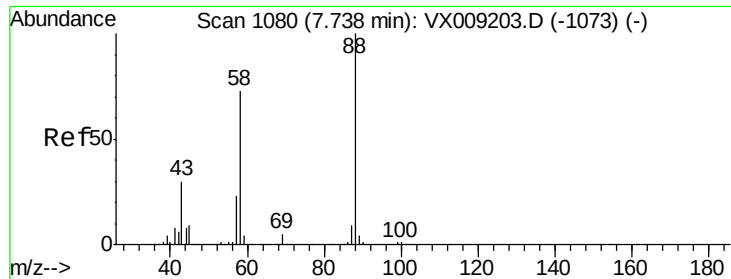
#48
 Methyl methacrylate
 Concen: 52.190 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion: 41 Resp: 146816
 Ion Ratio Lower Upper
 41 100
 69 68.1 59.1 88.7
 39 51.0 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

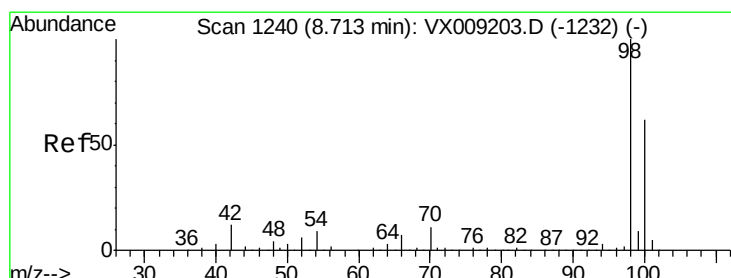
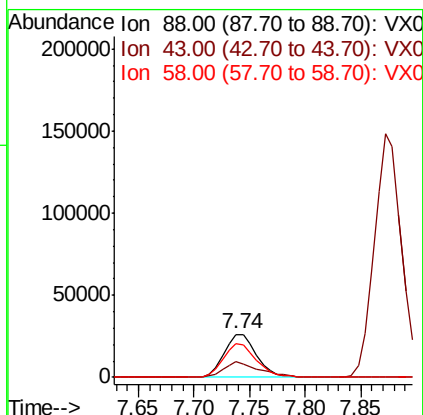
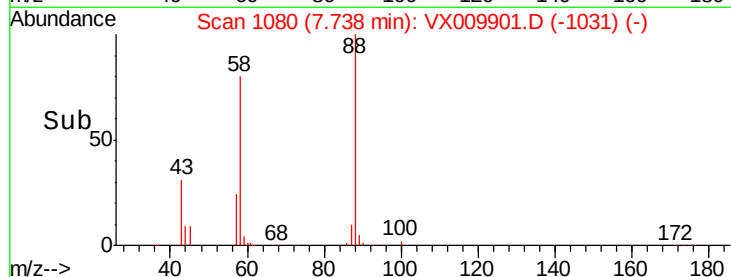
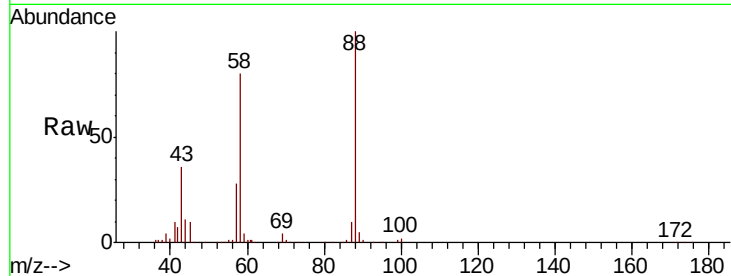




#49
1,4-Dioxane
Concen: 925.013 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

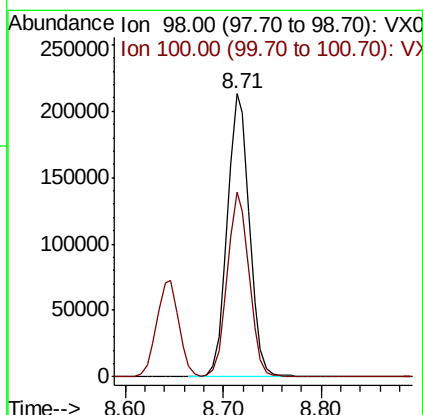
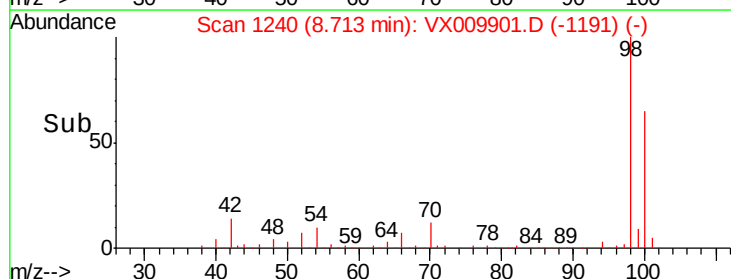
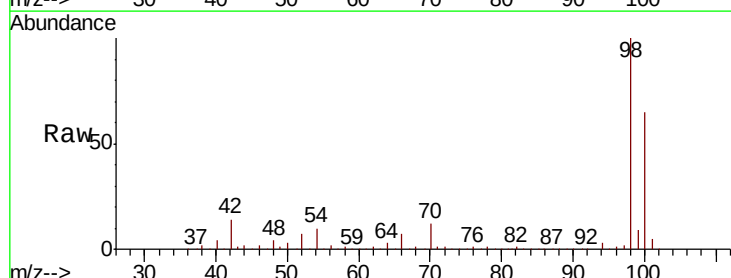
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

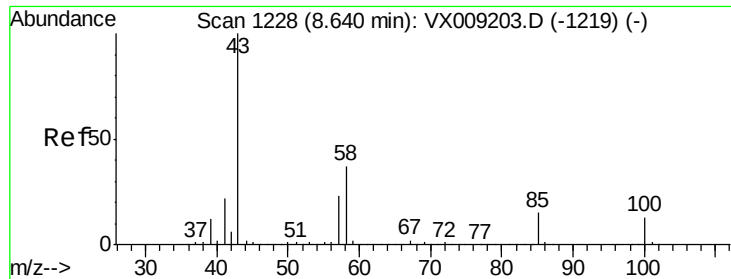
Tot Ion: 88 Resp: 52771
Ion Ratio Lower Upper
88 100
43 39.1 28.6 42.8
58 80.1 61.7 92.5



#50
Toluene-d8
Concen: 47.994 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion: 98 Resp: 333477
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 262.682 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

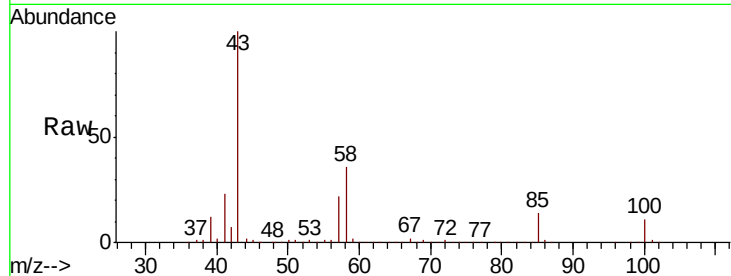
VSTDCCC050EC

Tot Ion: 43 Resp: 973526

Ion Ratio Lower Upper

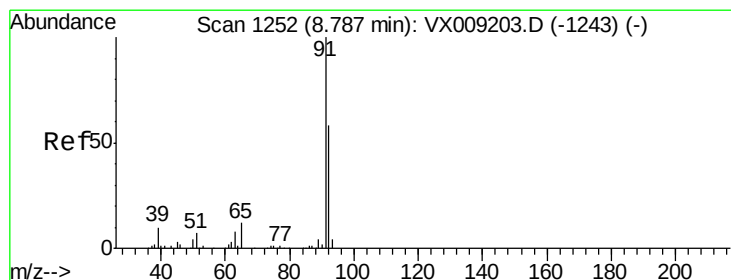
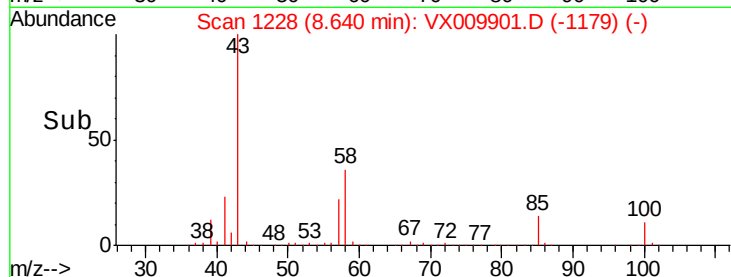
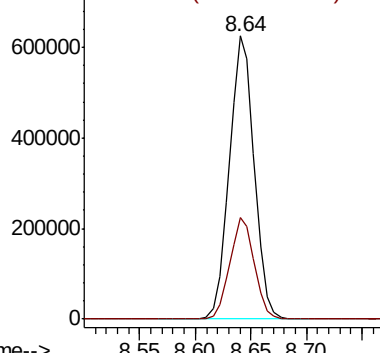
43 100

58 35.6 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: 46.314 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009901.D

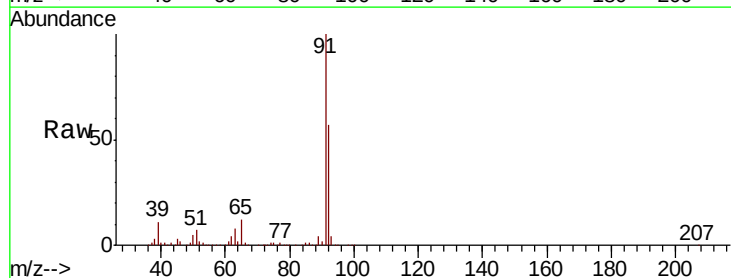
Acq: 24 May 2019 20:51

Tgt Ion: 92 Resp: 221672

Ion Ratio Lower Upper

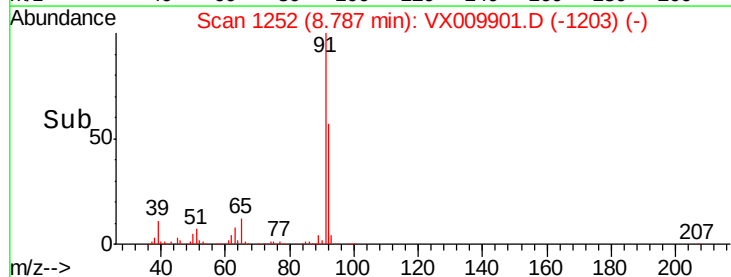
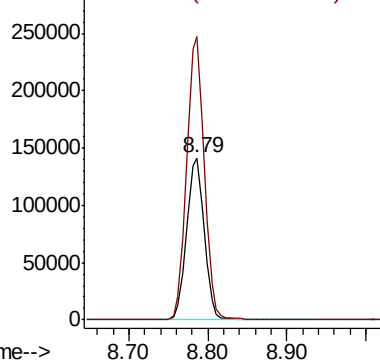
92 100

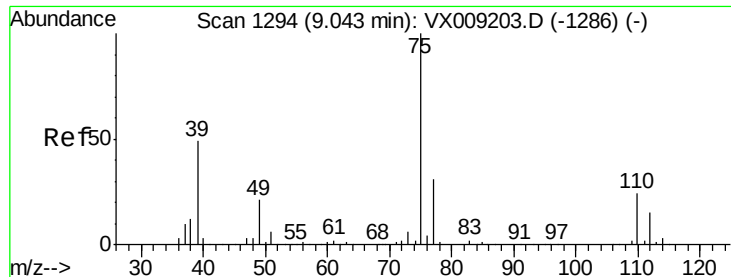
91 174.4 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

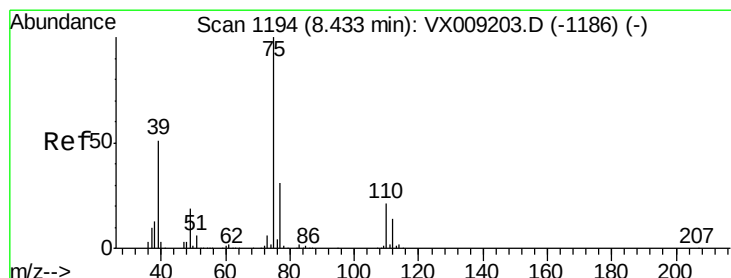
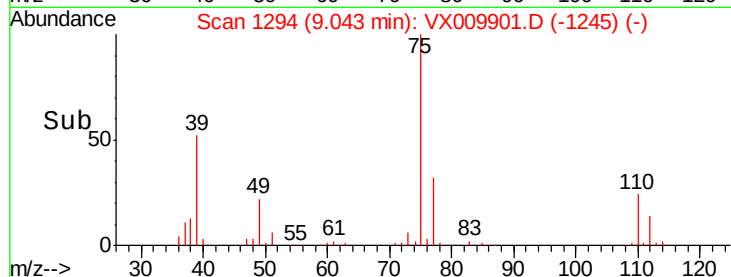
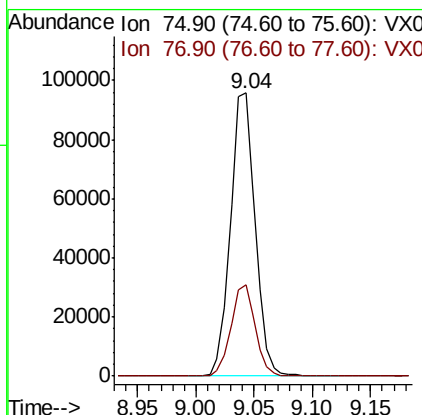
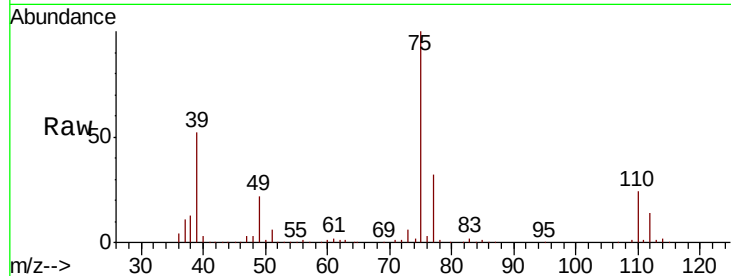




#53
t-1,3-Dichloropropene
Concen: 48.659 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

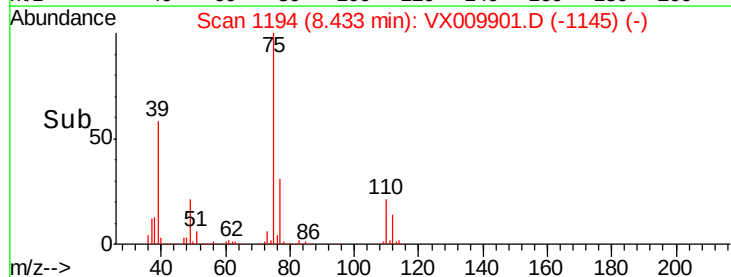
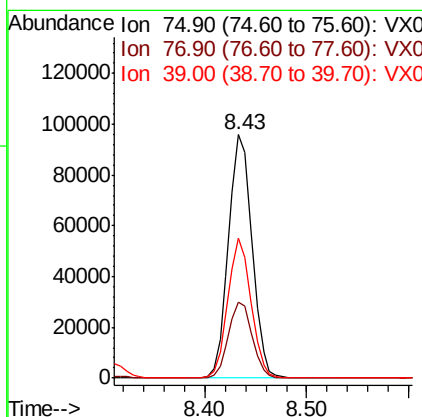
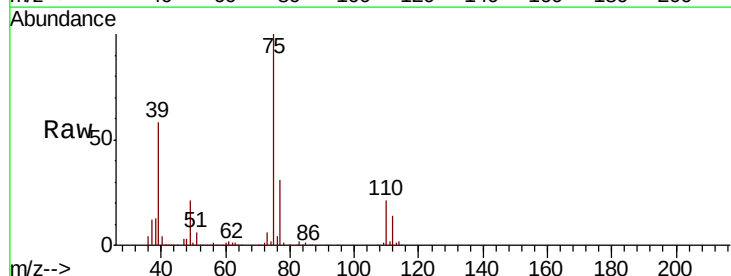
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

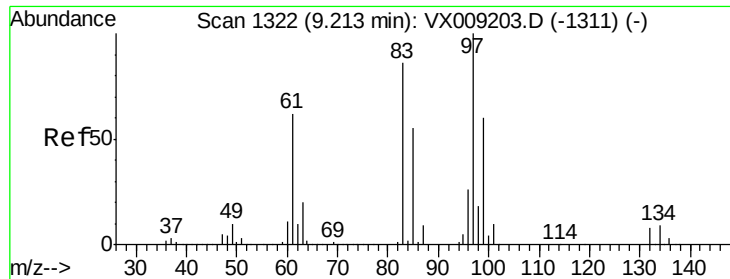
Tot Ion: 75 Resp: 141880
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 47.438 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion: 75 Resp: 153098
Ion Ratio Lower Upper
75 100
77 31.2 24.6 36.8
39 57.6 40.6 60.8

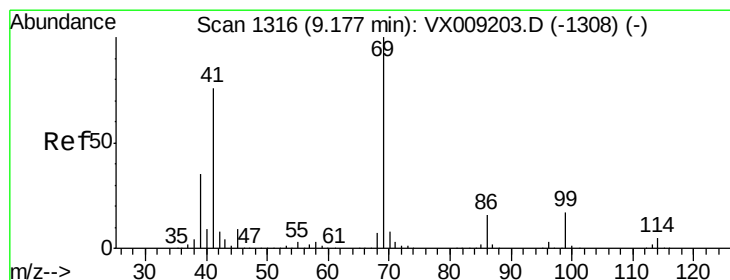
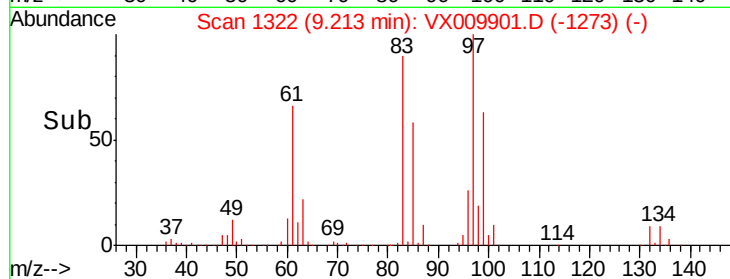
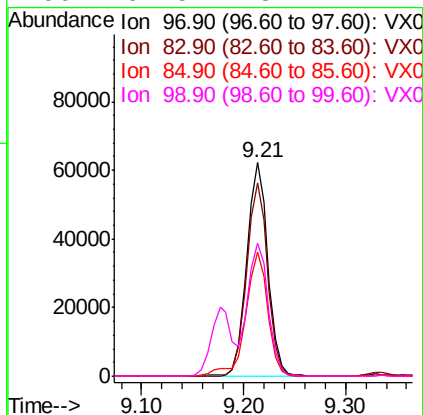
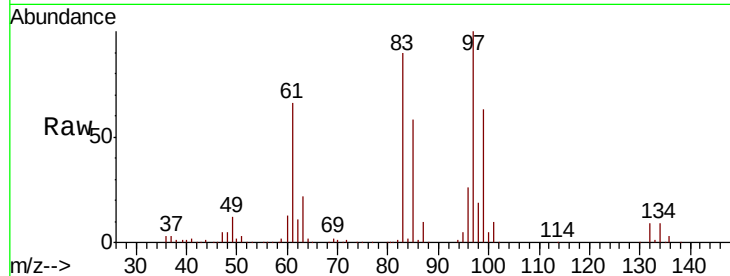




#55
 1,1,2-Trichloroethane
 Concen: 45.860 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

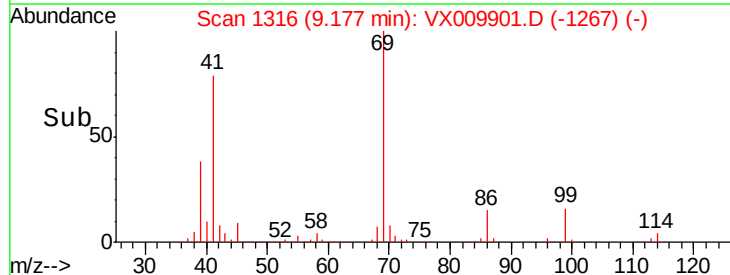
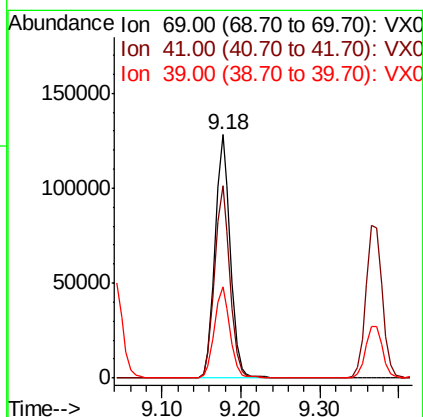
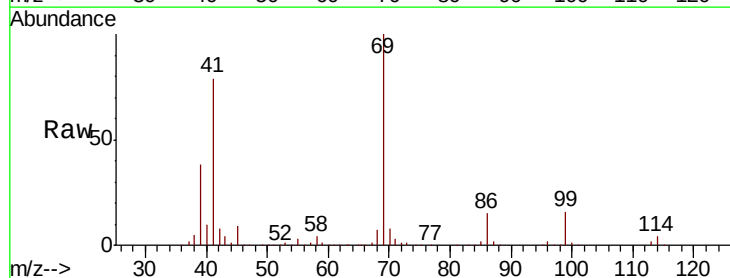
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

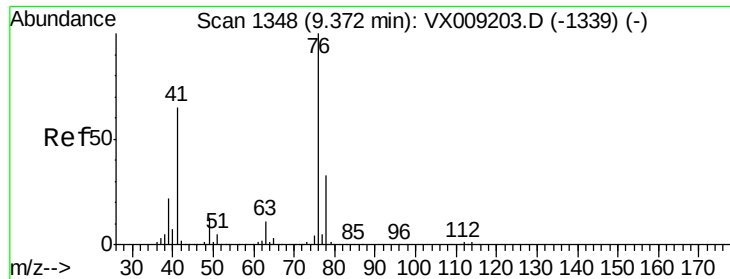
Tot Ion:	97	Resp:	89549
Ion	Ratio	Lower	Upper
97	100		
83	90.3	68.9	103.3
85	58.2	43.8	65.6
99	62.5	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 49.932 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion:	69	Resp:	174043
Ion	Ratio	Lower	Upper
69	100		
41	79.1	60.6	90.8
39	37.8	28.2	42.4

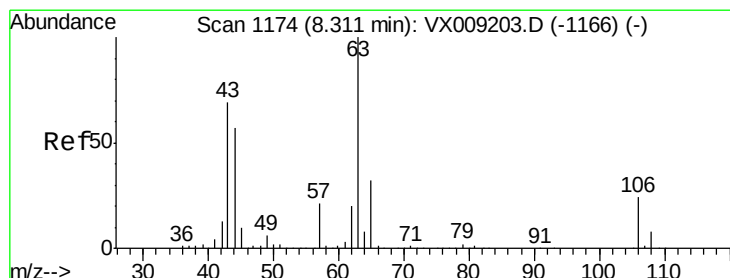
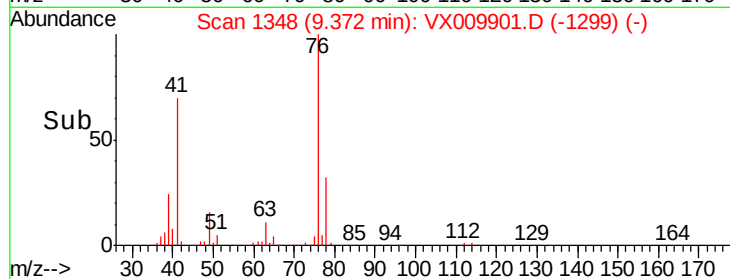
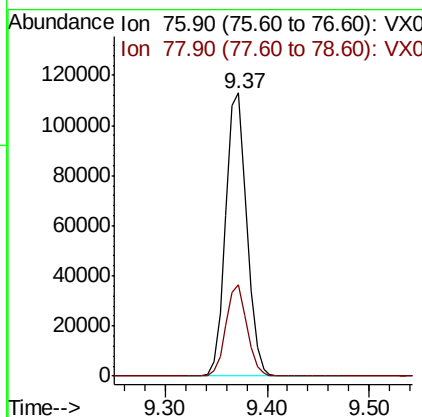
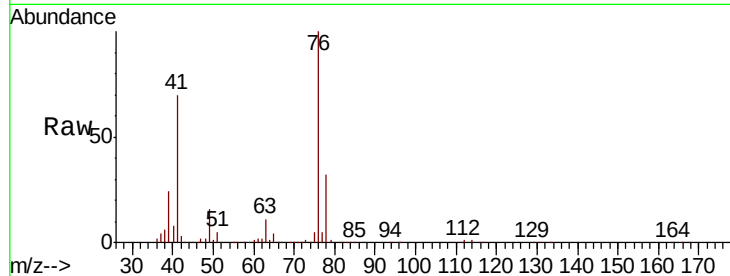




#57
 1,3-Dichloropropane
 Concen: 47.135 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

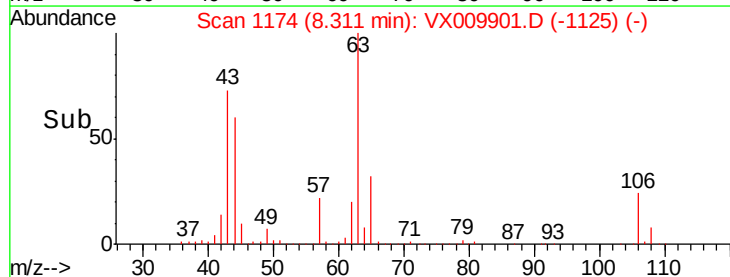
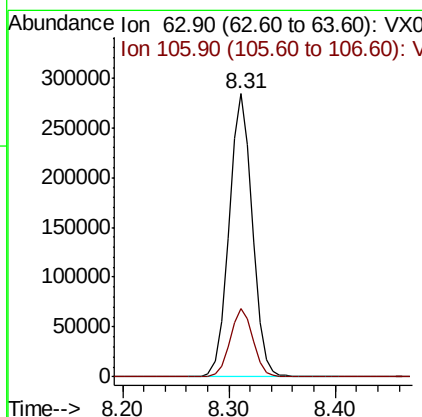
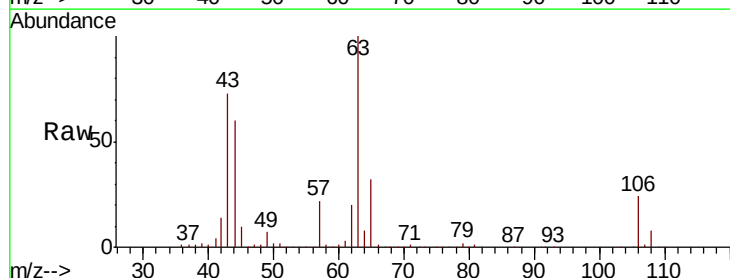
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

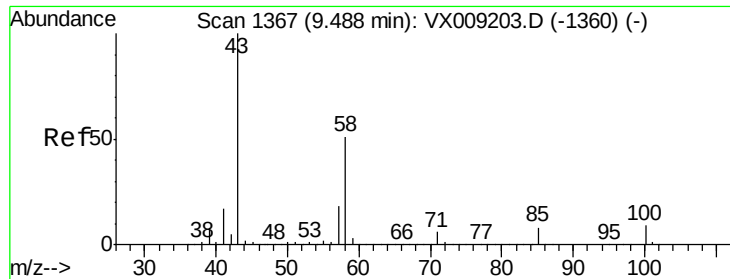
Tot Ion: 76 Resp: 161967
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.045 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion: 63 Resp: 434625
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.7 29.5

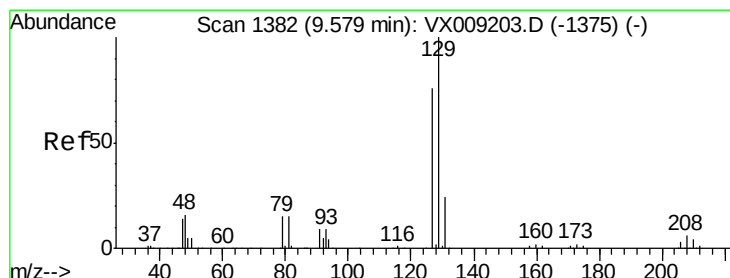
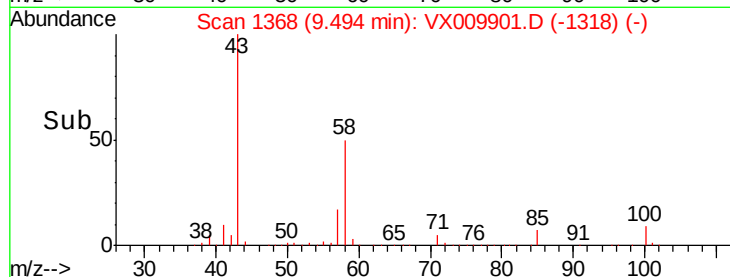
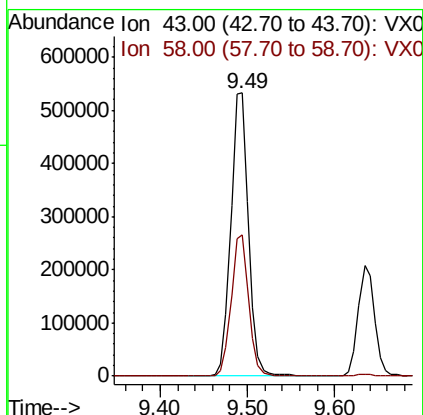
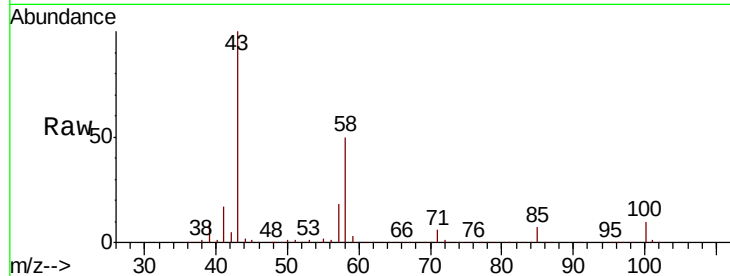




#59
2-Hexanone
Concen: 258.235 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

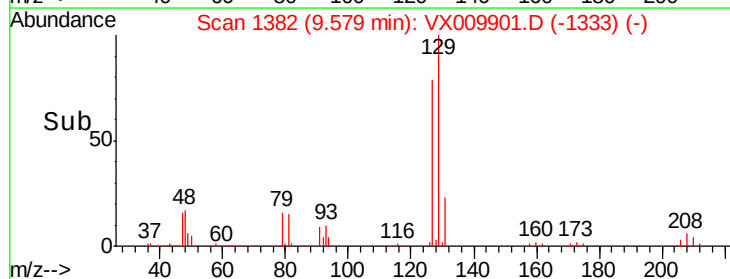
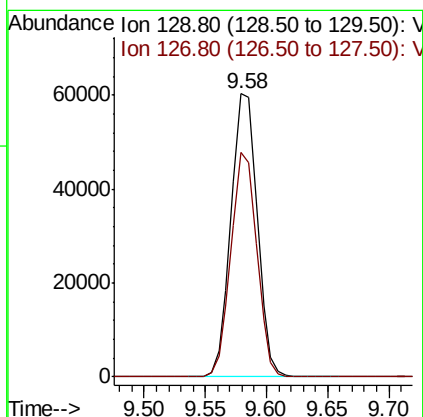
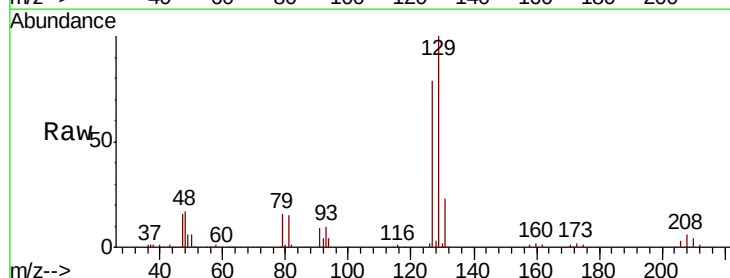
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

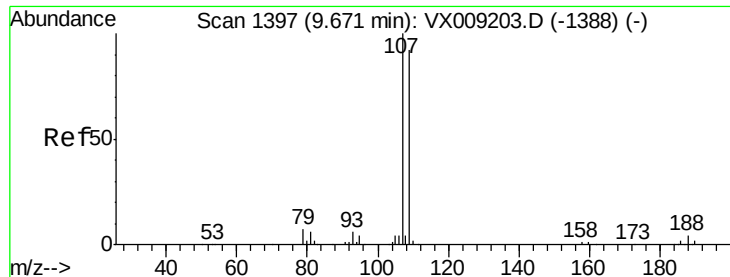
Tot Ion: 43 Resp: 751651
Ion Ratio Lower Upper
43 100
58 49.6 25.9 77.7



#60
Dibromochloromethane
Concen: 47.008 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion: 129 Resp: 89651
Ion Ratio Lower Upper
129 100
127 78.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 47.140 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

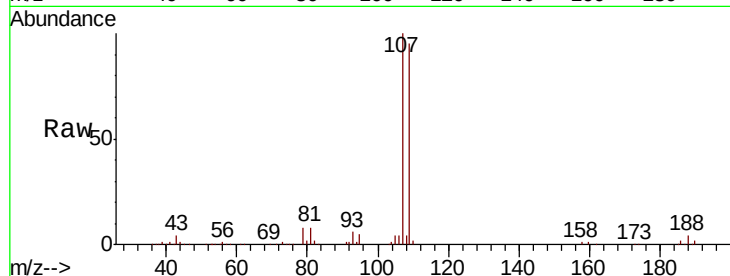
VSTDCCC050EC

Tot Ion:107 Resp: 92918

Ion Ratio Lower Upper

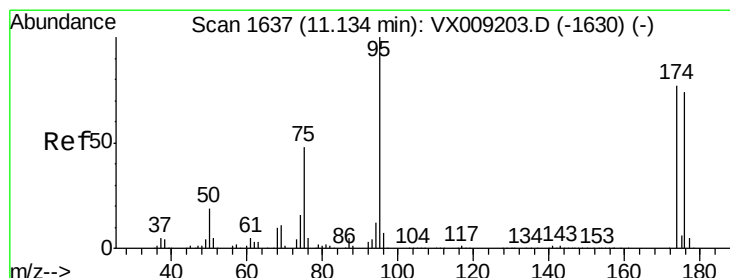
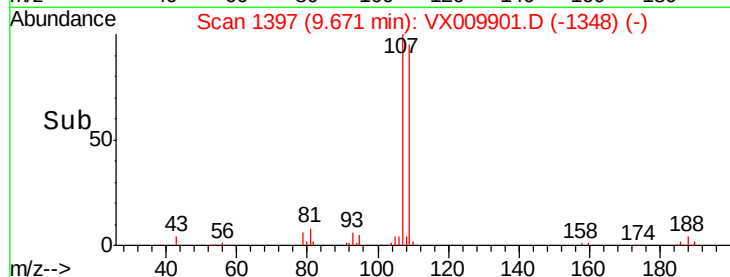
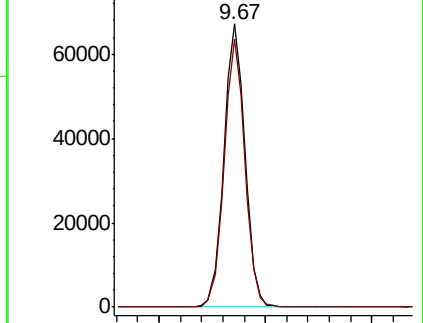
107 100

109 93.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.316 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

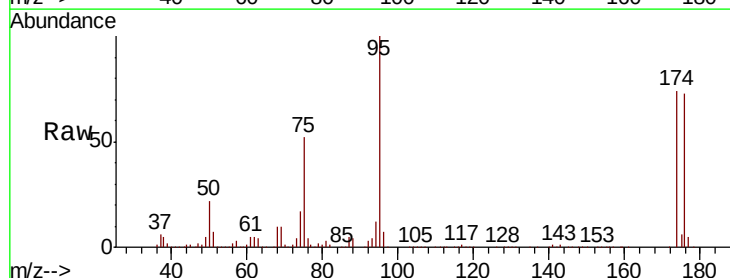
Tgt Ion: 95 Resp: 124510

Ion Ratio Lower Upper

95 100

174 79.3 0.0 161.6

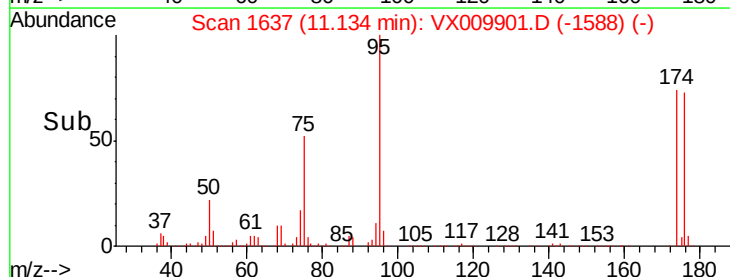
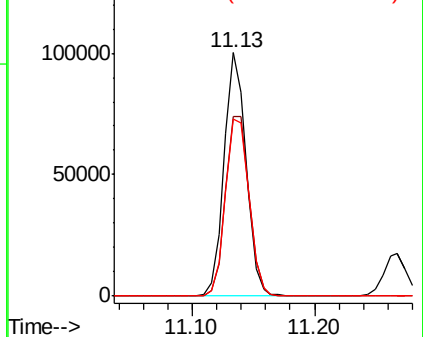
176 78.0 0.0 159.2

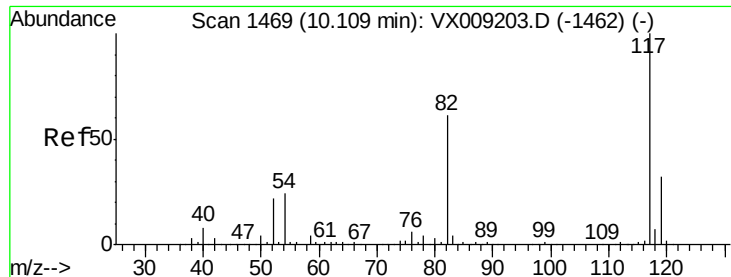


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

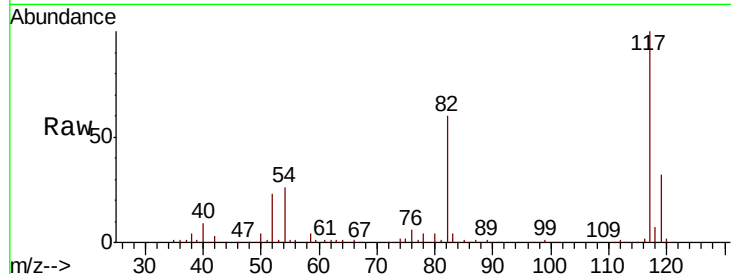




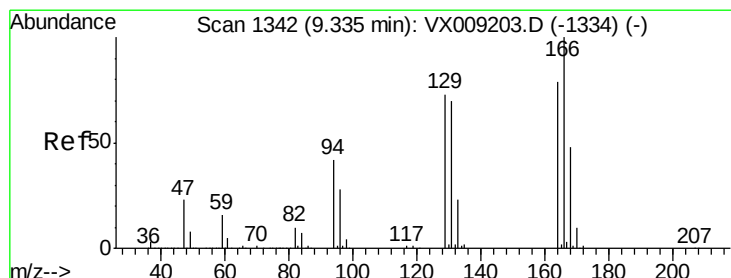
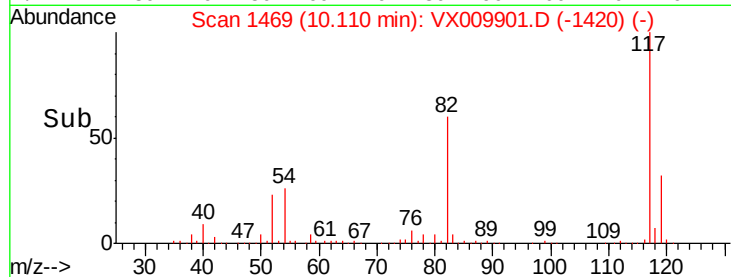
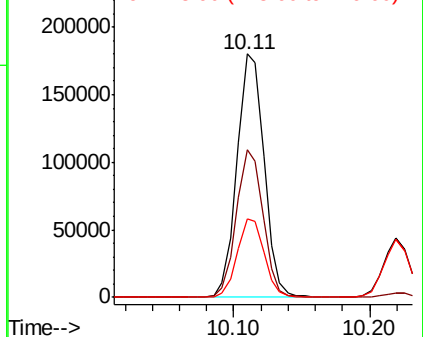
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 250834
Ion Ratio Lower Upper
117 100
82 60.5 48.8 73.2
119 32.2 25.8 38.6

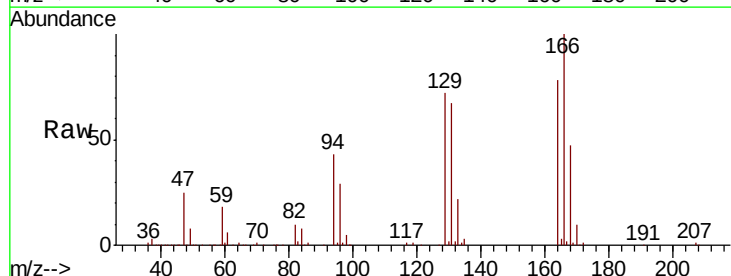


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

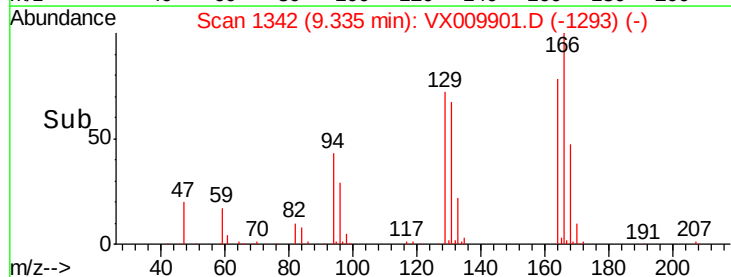
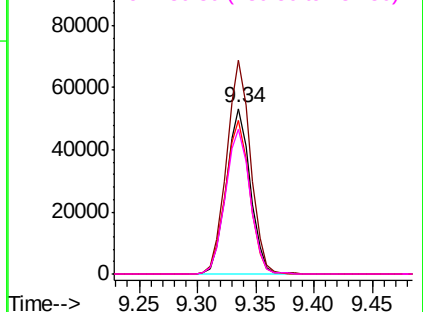


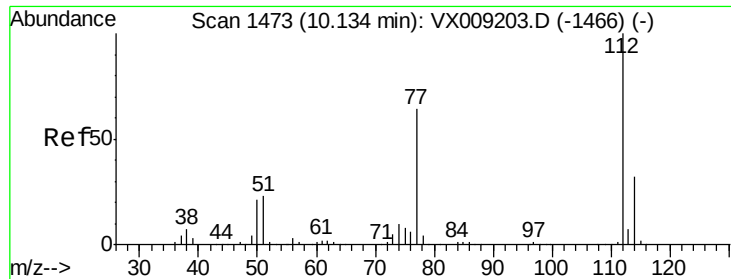
#64
Tetrachloroethene
Concen: 44.104 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion:164 Resp: 75885
Ion Ratio Lower Upper
164 100
166 129.0 101.2 151.8
129 92.7 74.3 111.5
131 87.1 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

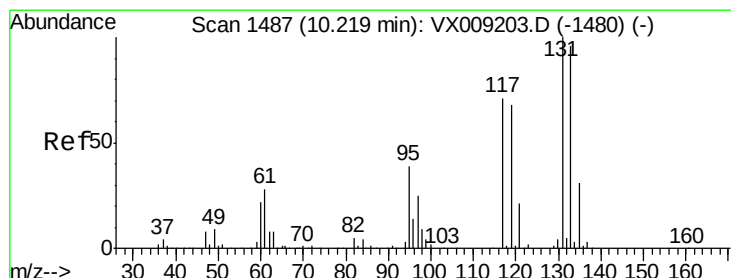
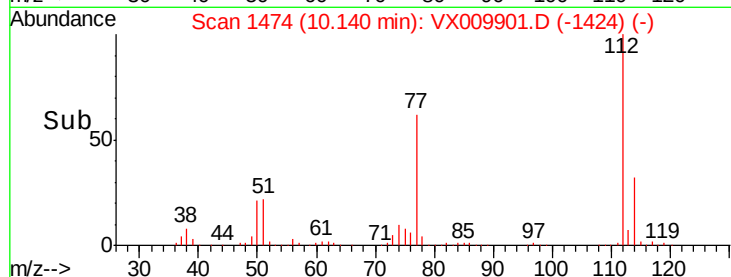
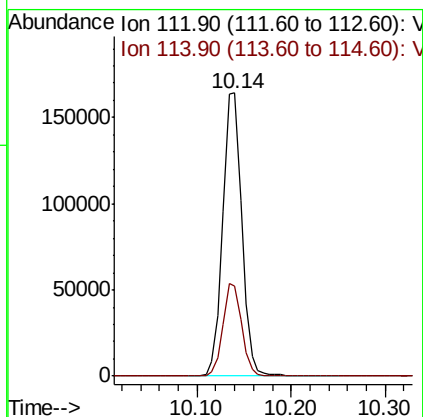
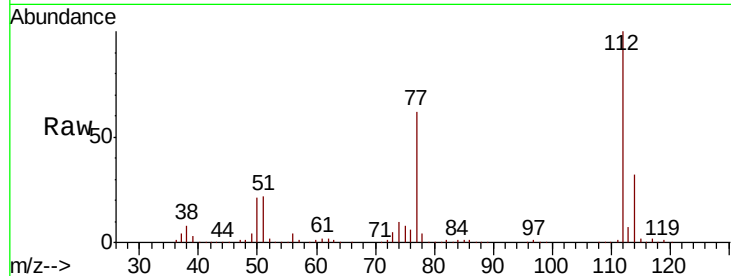




#65
Chlorobenzene
Concen: 46.117 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

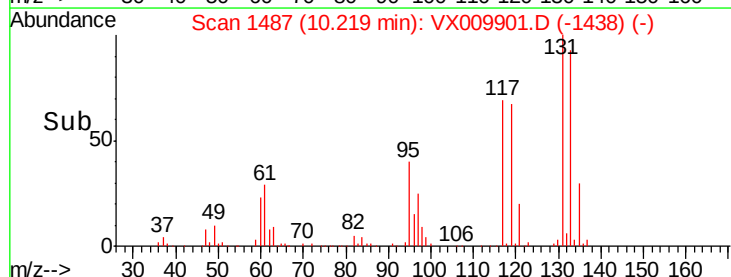
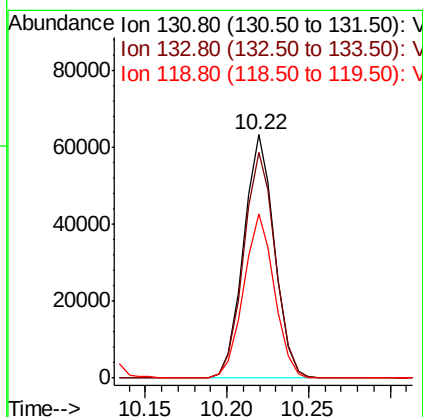
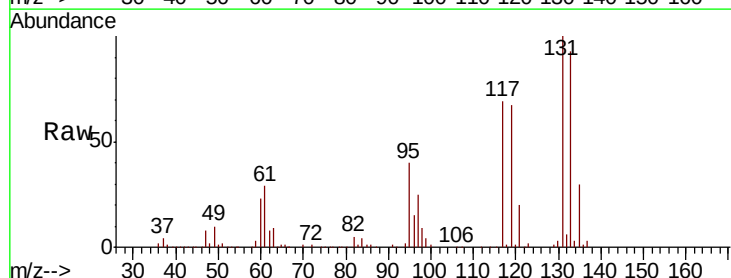
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

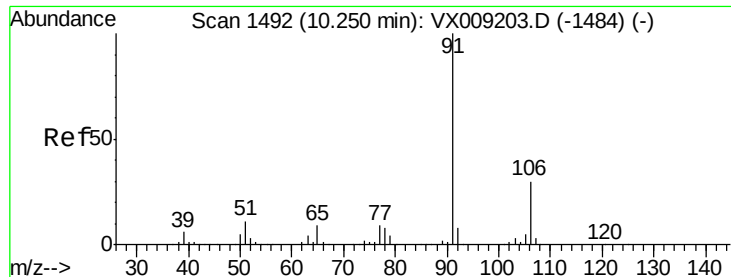
Tot Ion:112 Resp: 231408
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 45.912 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion:131 Resp: 83521
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 67.3 33.5 100.4





#67

Ethyl Benzene

Concen: 46.439 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

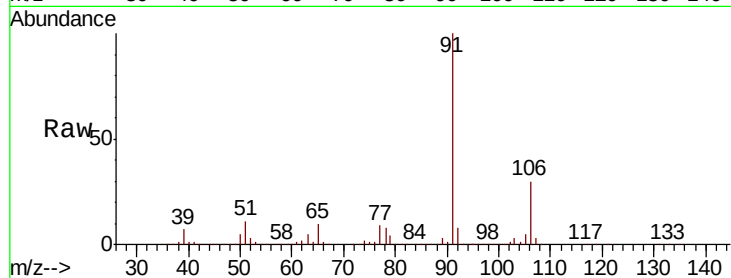
VSTDCCC050EC

Tot Ion: 91 Resp: 428847

Ion Ratio Lower Upper

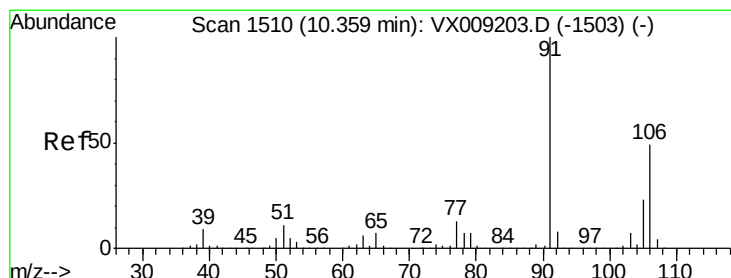
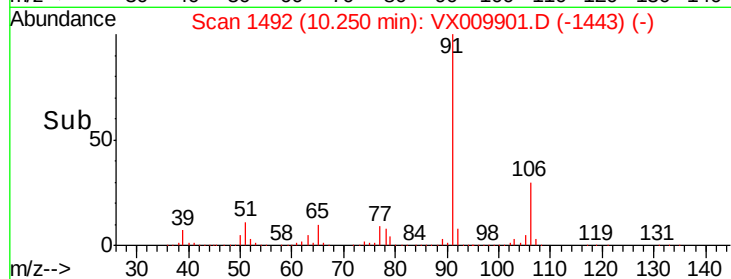
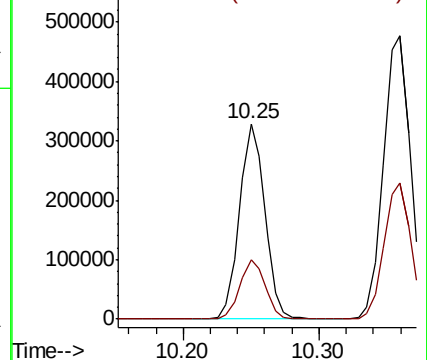
91 100

106 30.4 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 93.313 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009901.D

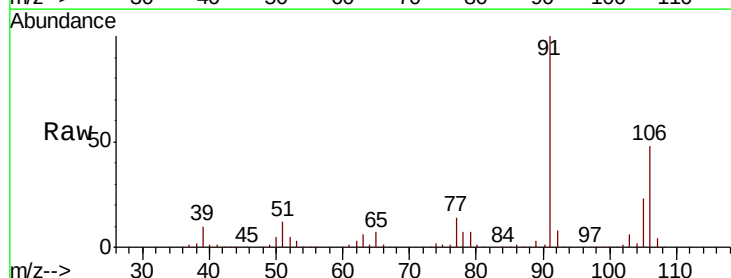
Acq: 24 May 2019 20:51

Tgt Ion: 106 Resp: 314897

Ion Ratio Lower Upper

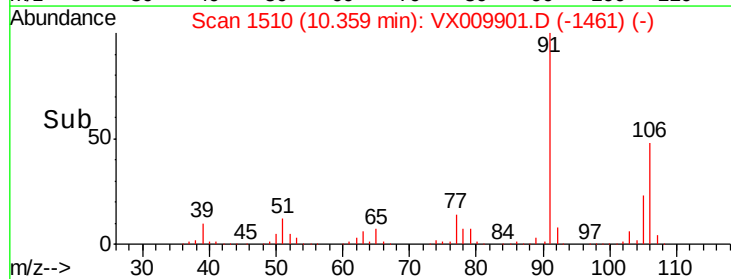
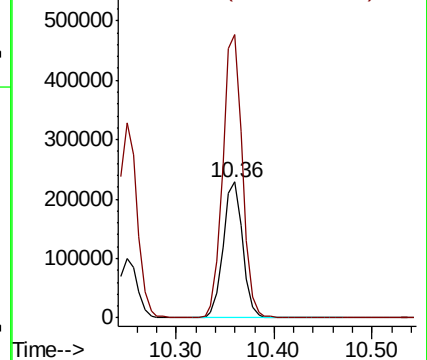
106 100

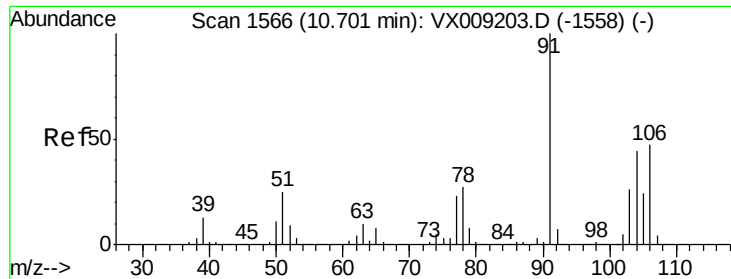
91 209.7 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

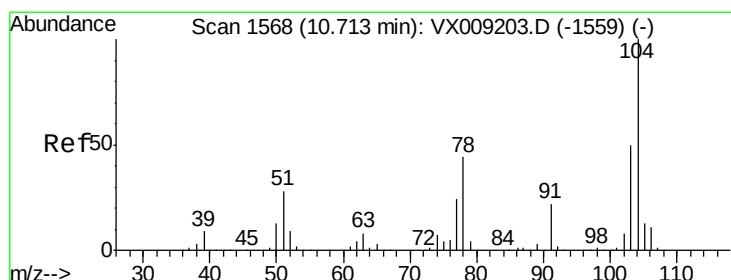
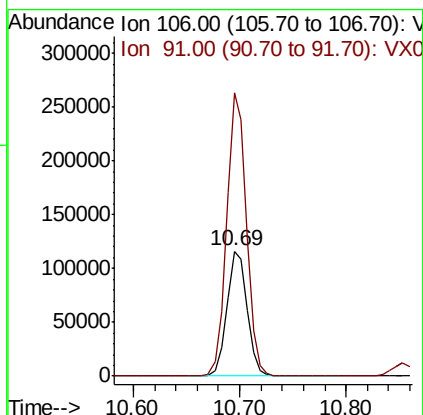
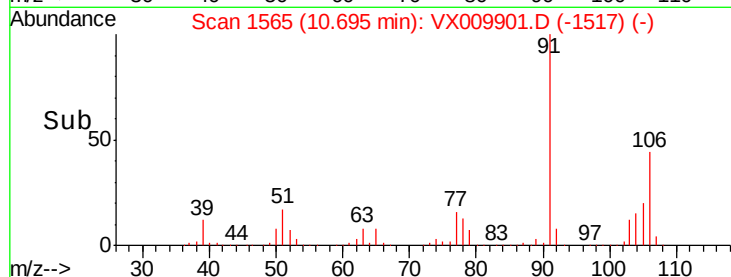
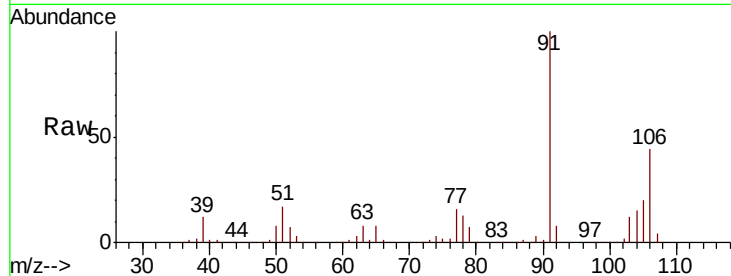




#69
o-Xylene
Concen: 46.193 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

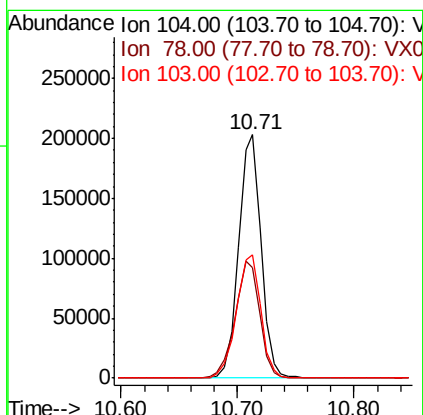
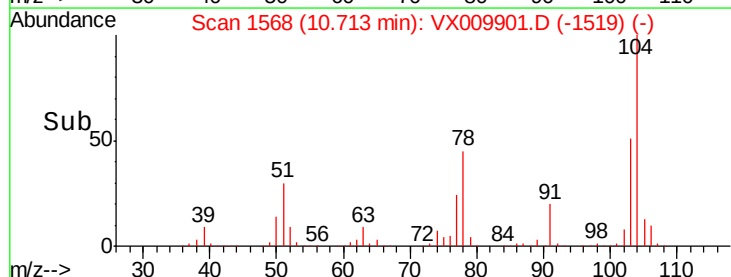
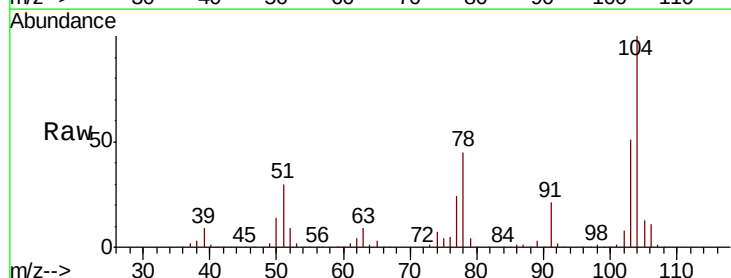
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

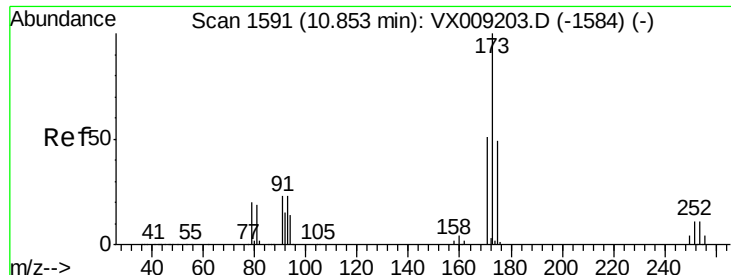
Tot Ion:106 Resp: 153803
Ion Ratio Lower Upper
106 100
91 222.0 109.5 328.4



#70
Styrene
Concen: 47.068 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion:104 Resp: 272388
Ion Ratio Lower Upper
104 100
78 52.8 41.0 61.4
103 55.4 43.8 65.6





#71

Bromoform

Concen: 47.797 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

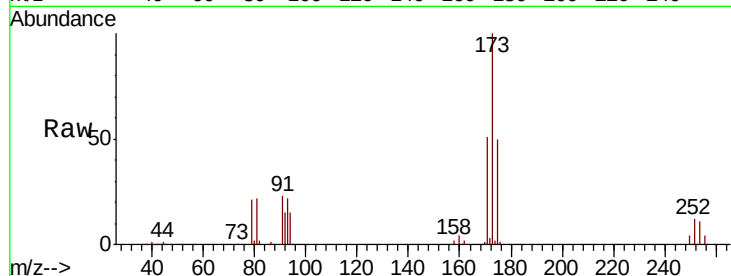
Tot Ion:173 Resp: 70661

Ion Ratio Lower Upper

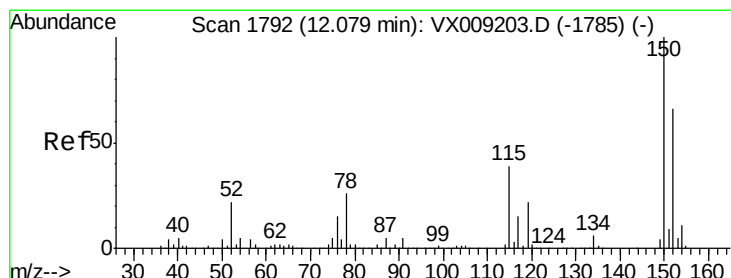
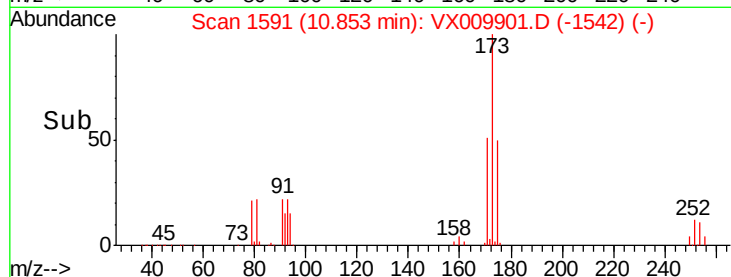
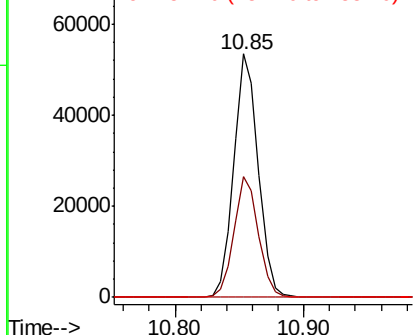
173 100

175 49.2 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: VX009901.D

Acq: 24 May 2019 20:51

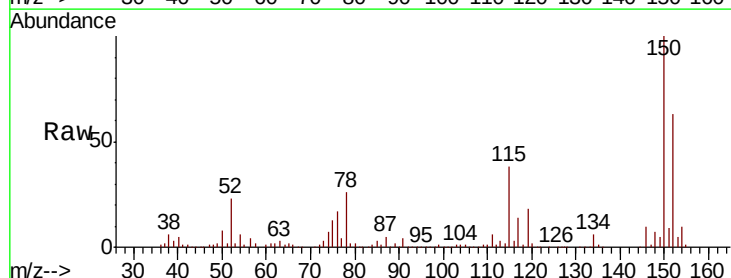
Tgt Ion:152 Resp: 124102

Ion Ratio Lower Upper

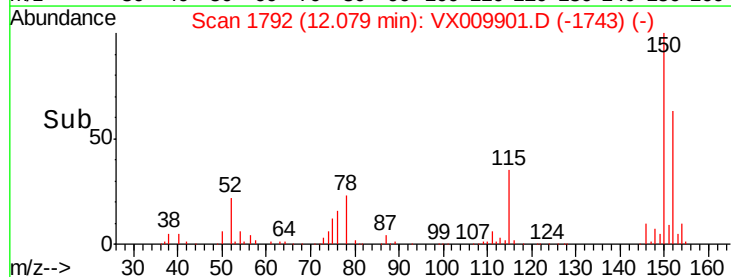
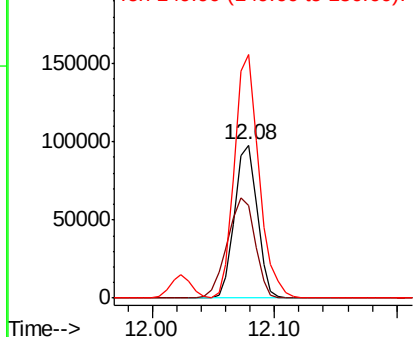
152 100

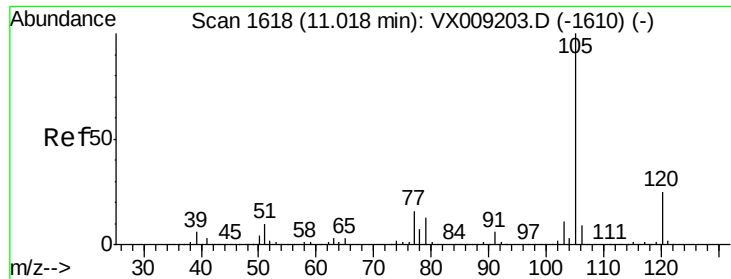
115 80.8 41.2 123.6

150 172.8 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: 45.604 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

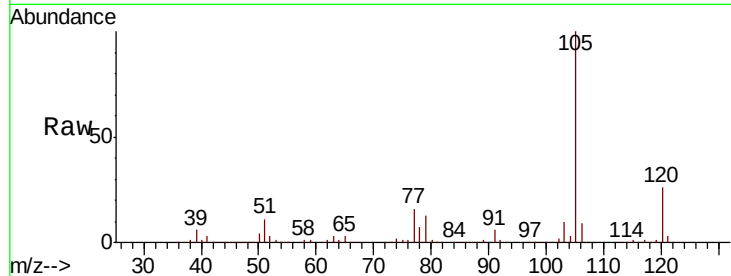
VSTDCCC050EC

Tot Ion:105 Resp: 411554

Ion Ratio Lower Upper

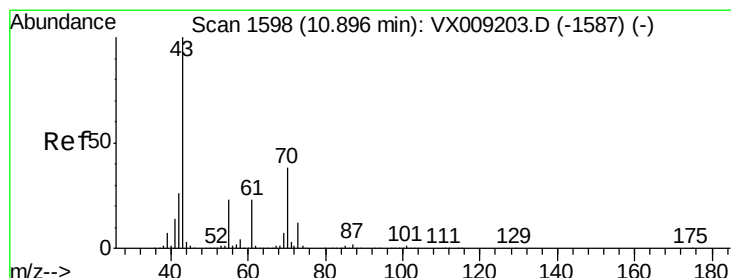
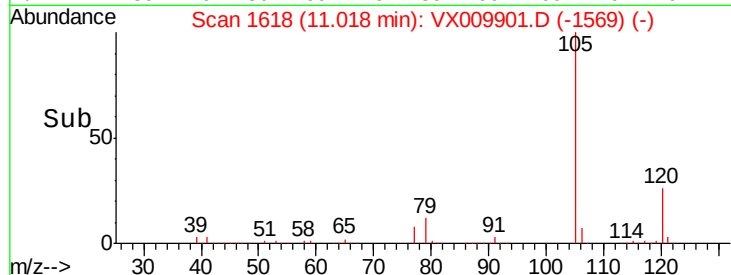
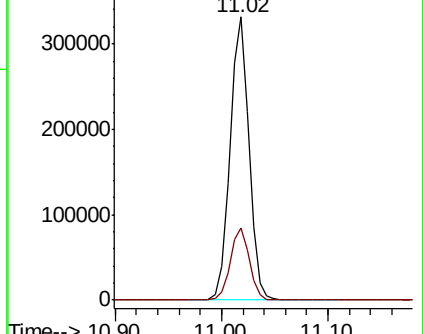
105 100

120 25.7 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: 50.061 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Tgt Ion: 43 Resp: 263389

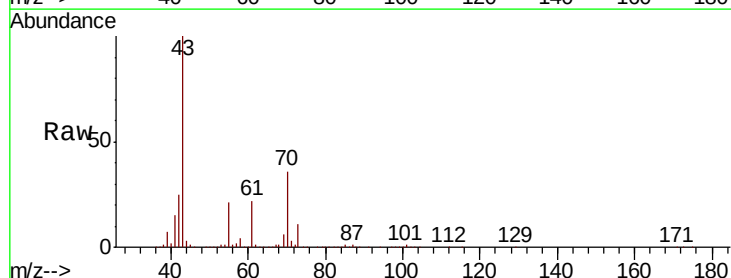
Ion Ratio Lower Upper

43 100

70 35.7 30.0 45.0

55 21.8 17.9 26.9

61 21.7 18.4 27.6

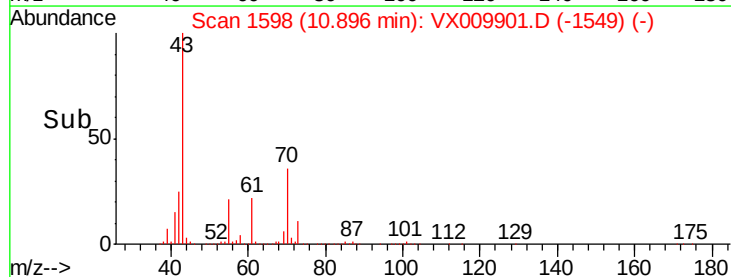
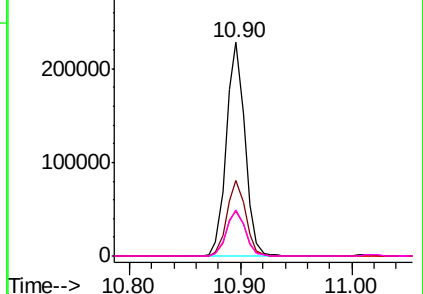


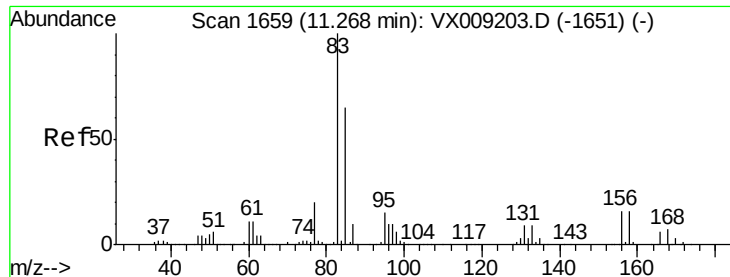
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.420 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

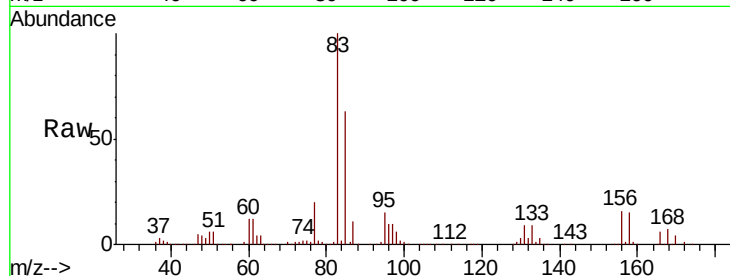
Tot Ion: 83 Resp: 156166

Ion Ratio Lower Upper

83 100

131 9.1 4.6 13.8

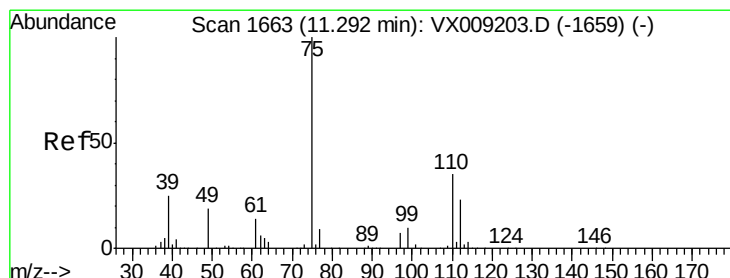
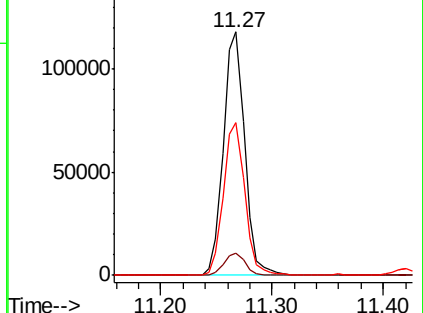
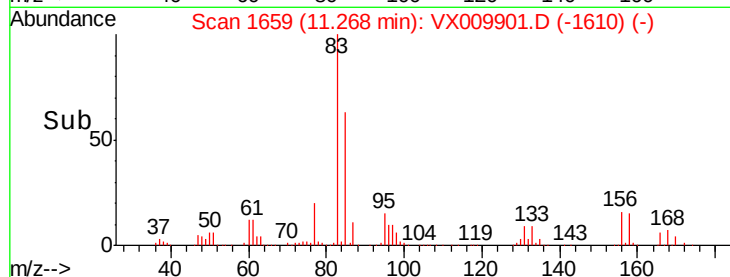
85 63.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 63.291 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009901.D

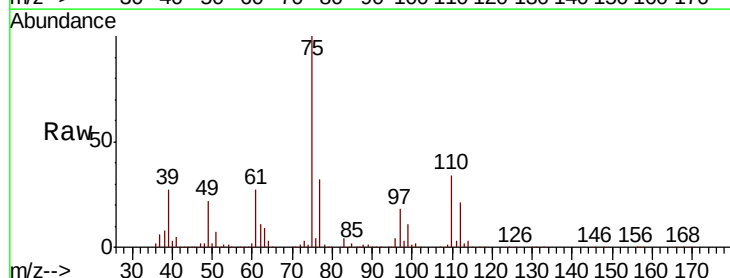
Acq: 24 May 2019 20:51

Tgt Ion: 75 Resp: 182198

Ion Ratio Lower Upper

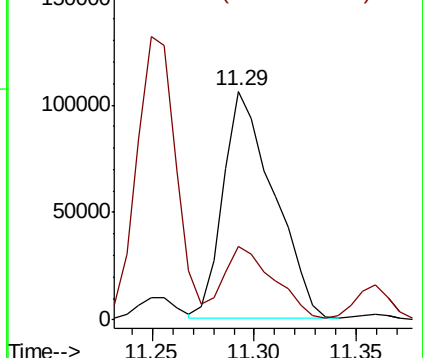
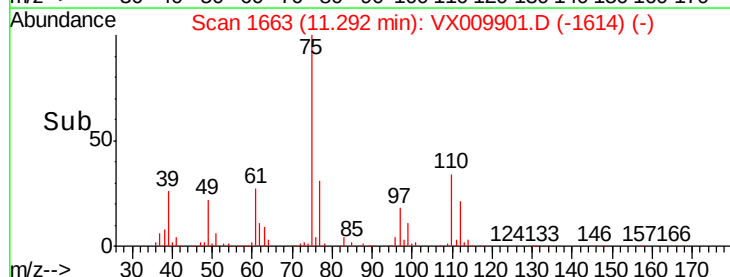
75 100

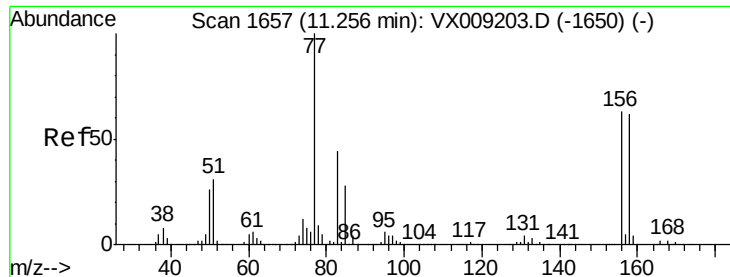
77 32.5 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 45.201 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

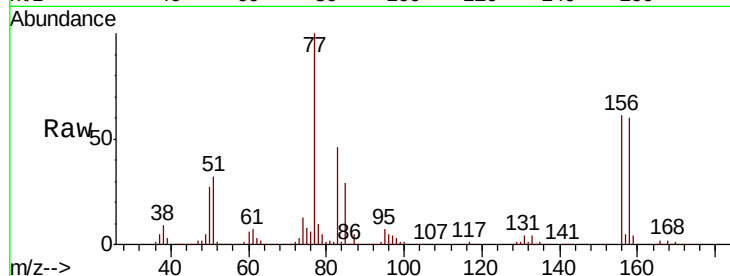
Tot Ion:156 Resp: 101247

Ion Ratio Lower Upper

156 100

77 174.0 84.8 254.3

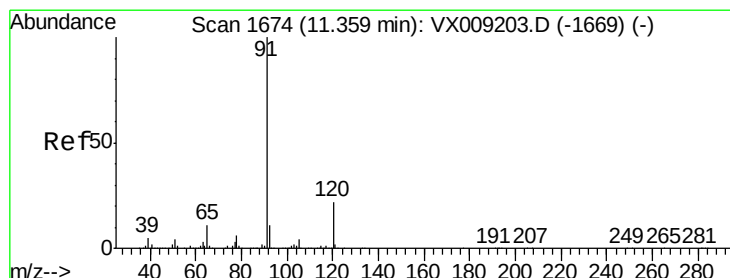
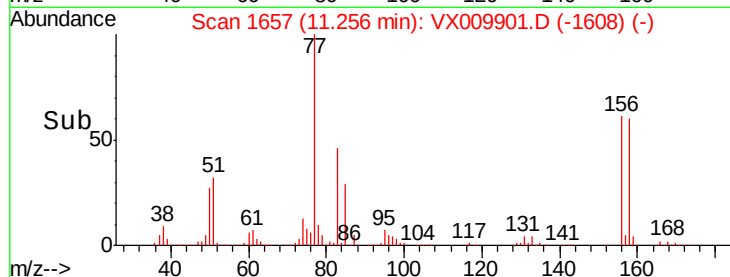
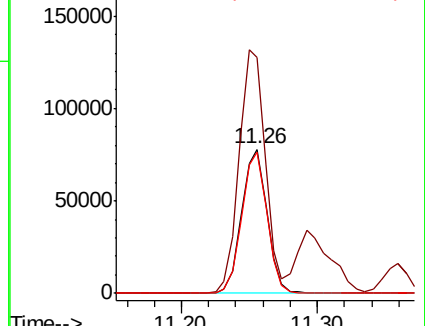
158 97.2 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.444 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009901.D

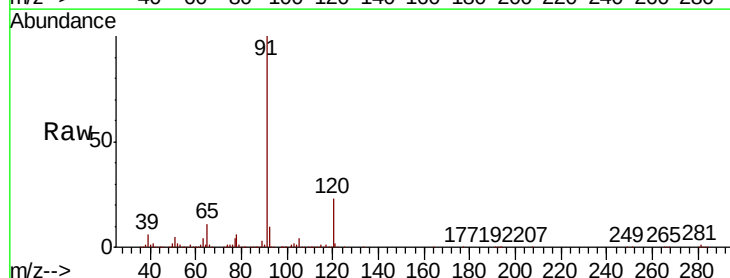
Acq: 24 May 2019 20:51

Tgt Ion: 91 Resp: 478675

Ion Ratio Lower Upper

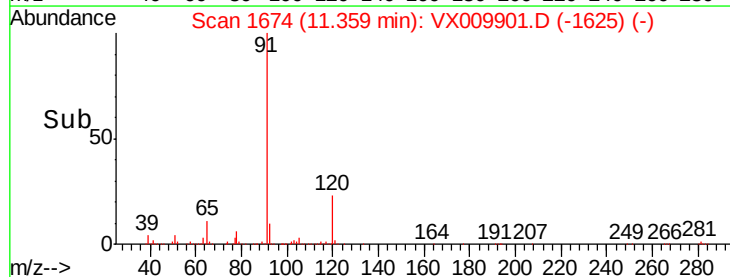
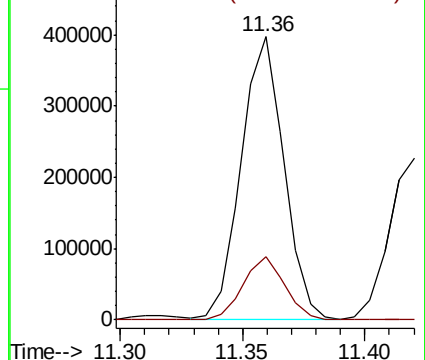
91 100

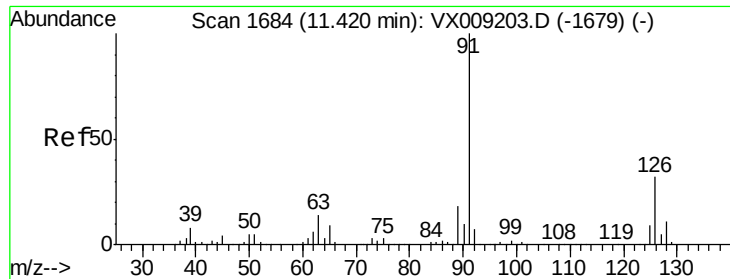
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

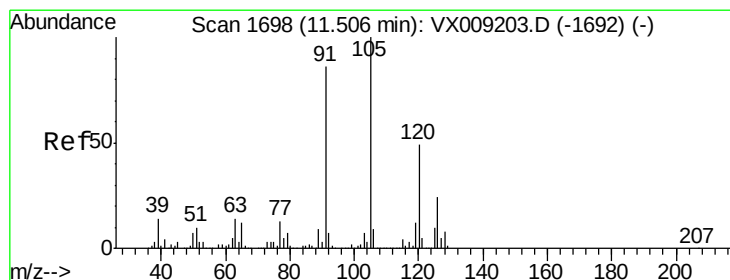
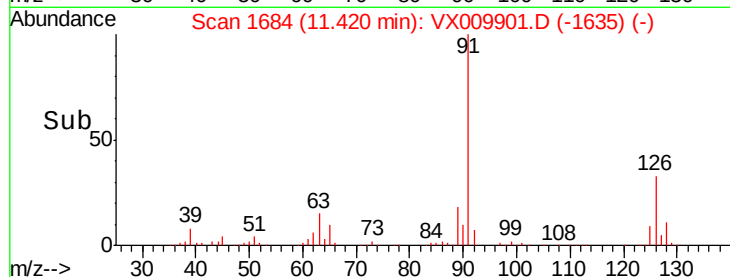
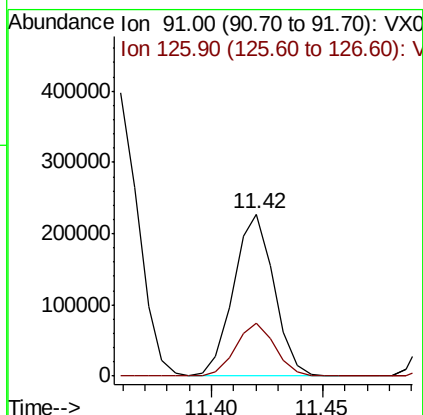
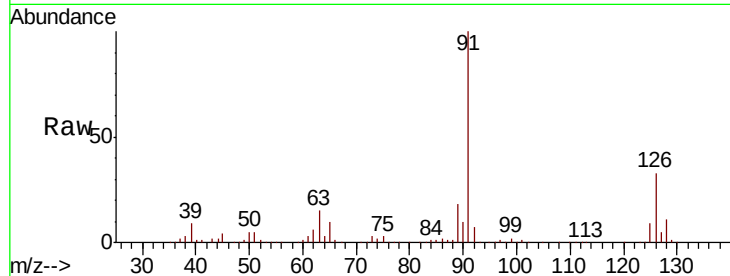




#79
 2-Chlorotoluene
 Concen: 44.964 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

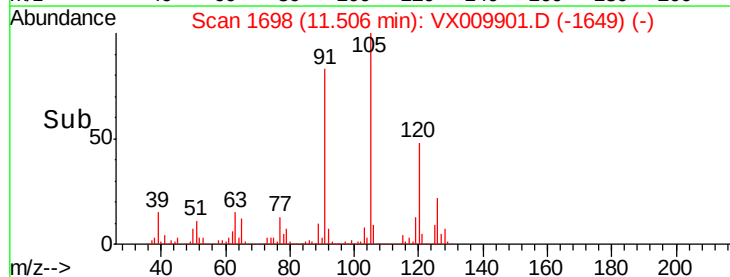
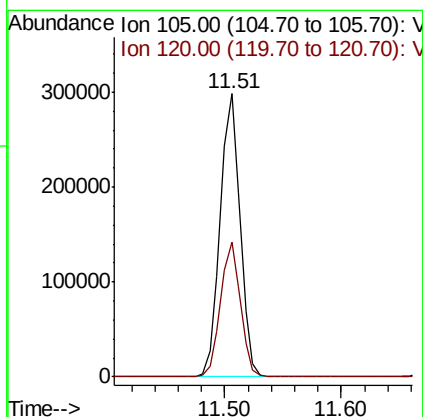
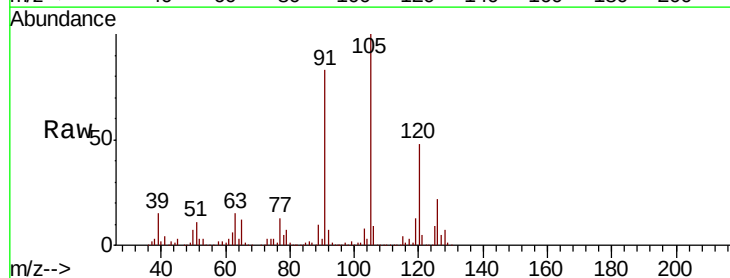
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

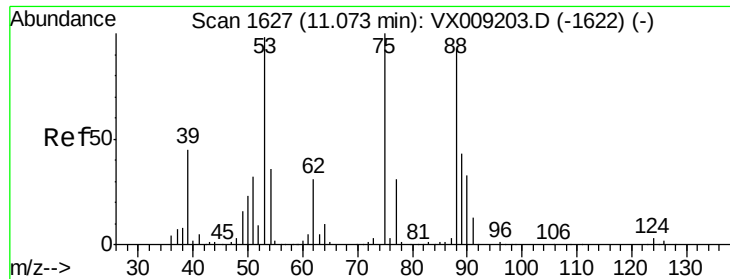
Tot Ion: 91 Resp: 285907
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 46.244 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion: 105 Resp: 351397
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 45.944 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

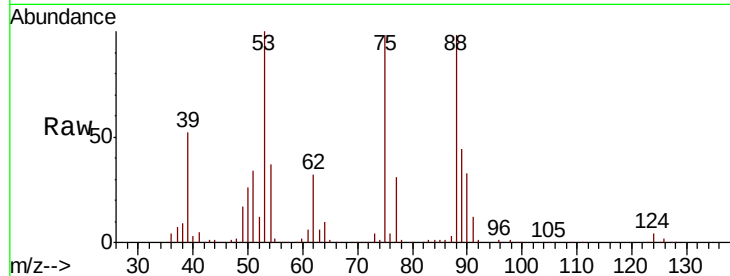
Tot Ion: 75 Resp: 51692

Ion Ratio Lower Upper

75 100

53 103.8 79.0 118.6

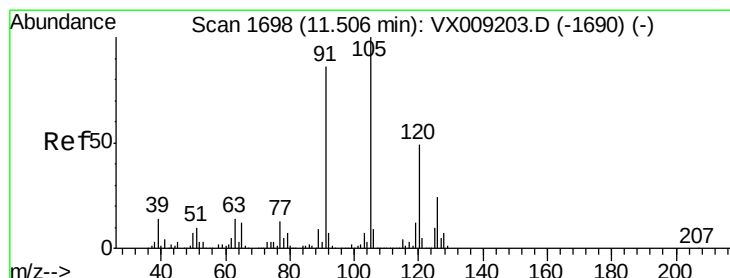
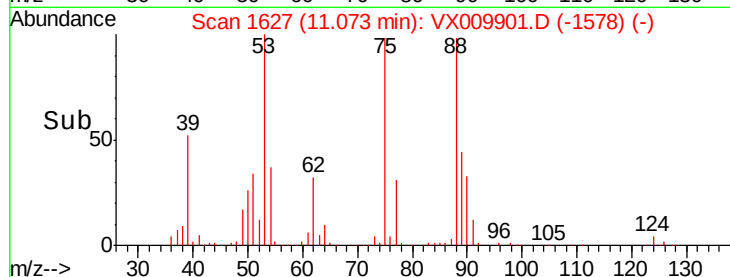
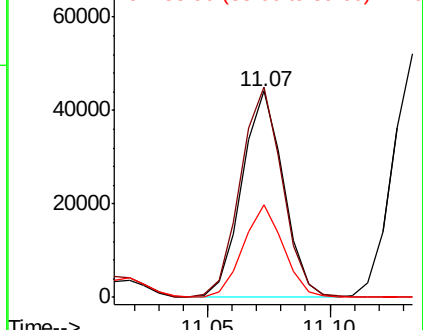
89 43.9 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 46.376 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009901.D

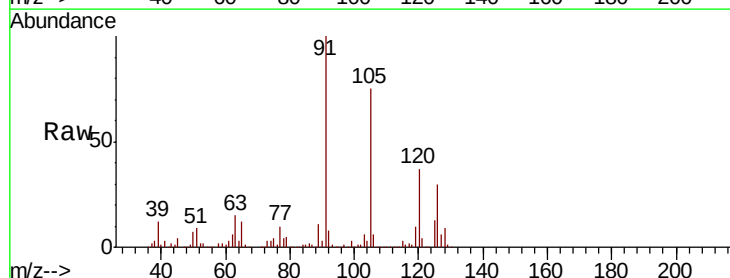
Acq: 24 May 2019 20:51

Tgt Ion: 91 Resp: 333138

Ion Ratio Lower Upper

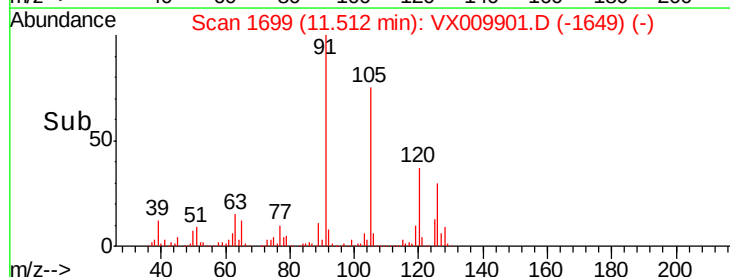
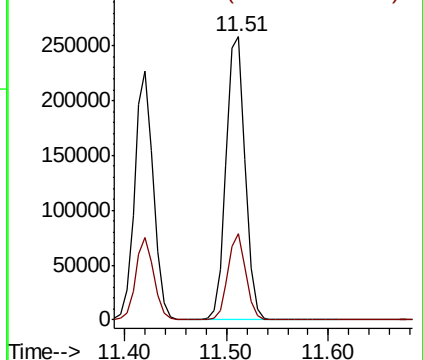
91 100

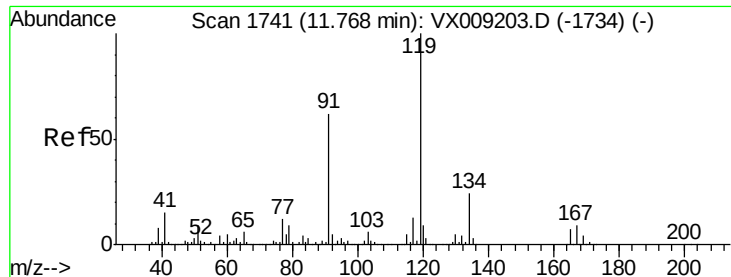
126 28.5 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

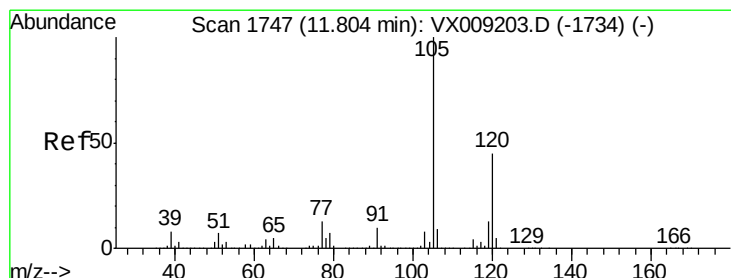
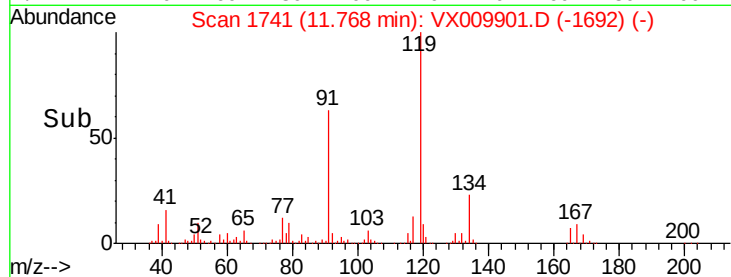
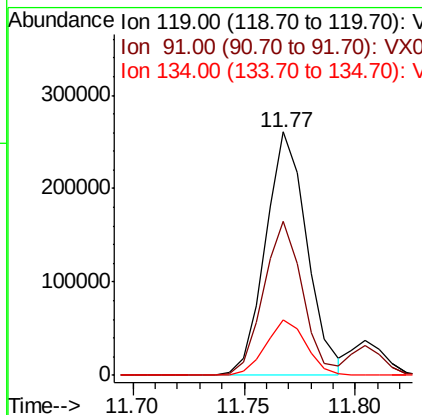
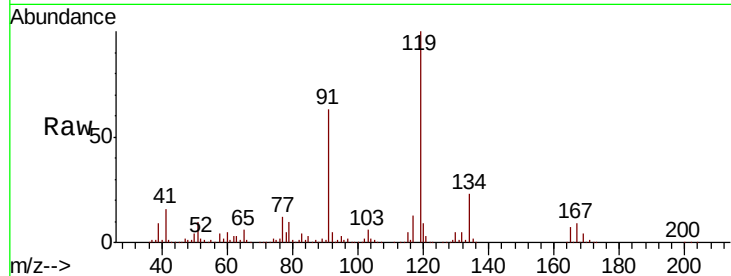




#83
 tert-Butylbenzene
 Concen: 45.535 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

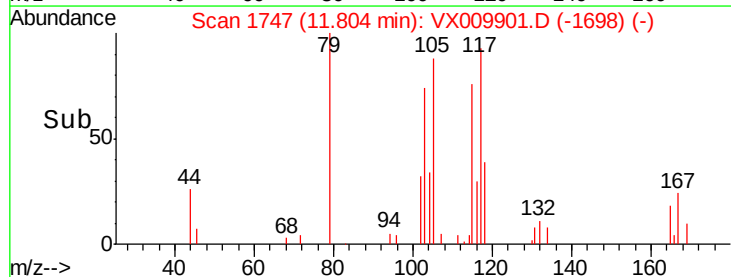
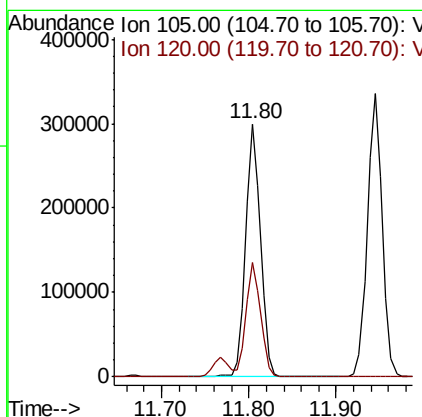
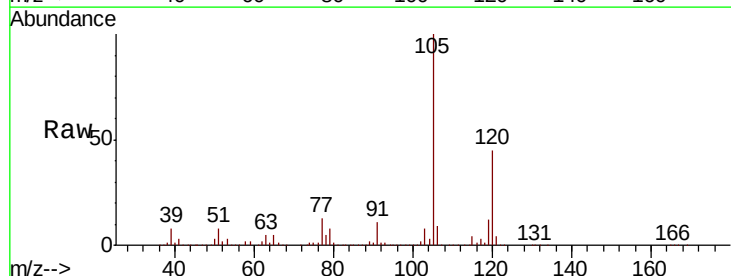
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

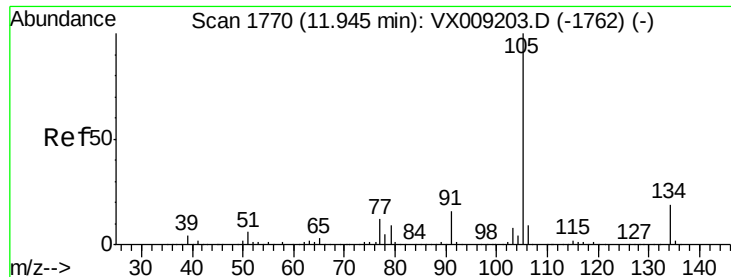
Tot Ion:119 Resp: 336590
 Ion Ratio Lower Upper
 119 100
 91 60.1 29.5 88.5
 134 22.4 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 46.364 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion:105 Resp: 353624
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.0 66.0





#85

sec-Butylbenzene

Concen: 45.671 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

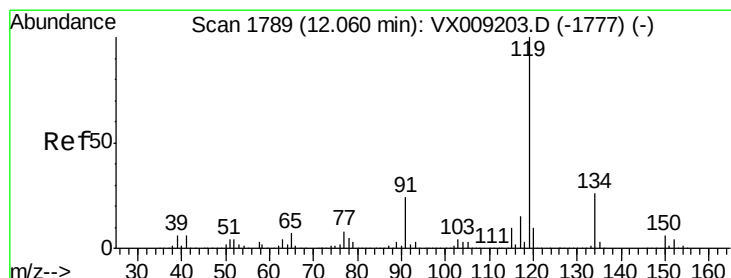
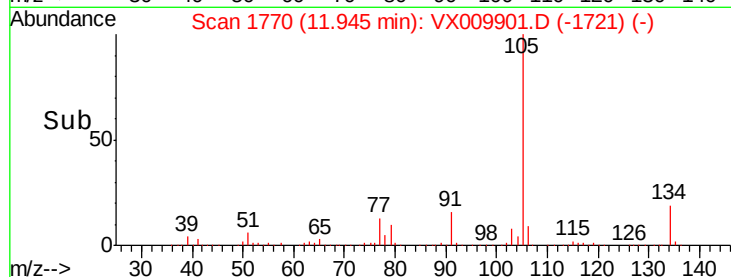
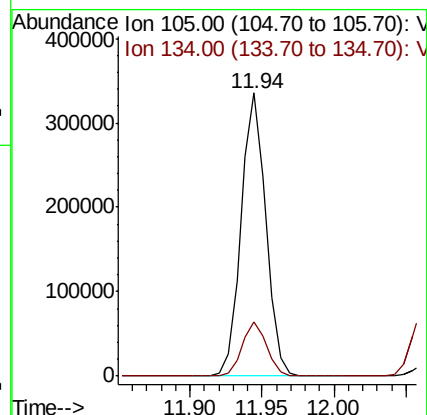
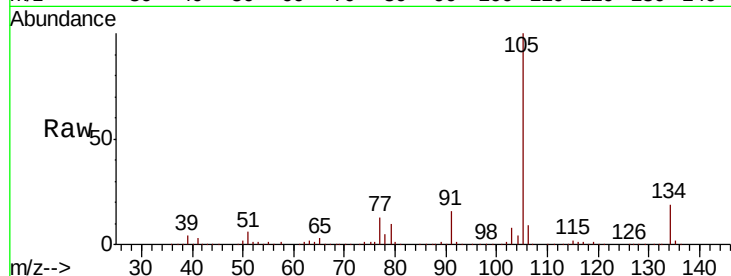
VSTDCCC050EC

Tot Ion:105 Resp: 400248

Ion Ratio Lower Upper

105 100

134 19.0 9.7 28.9



#86

p-Isopropyltoluene

Concen: 46.461 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

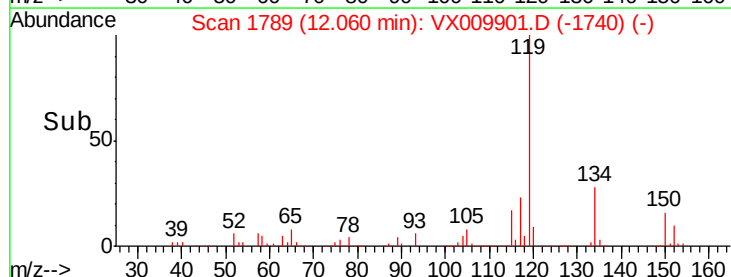
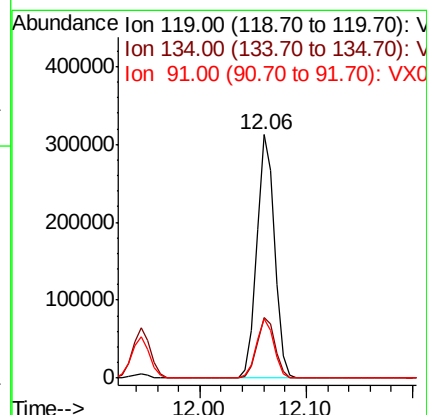
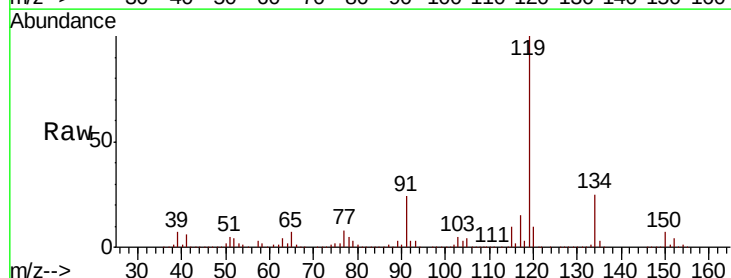
Tgt Ion:119 Resp: 366045

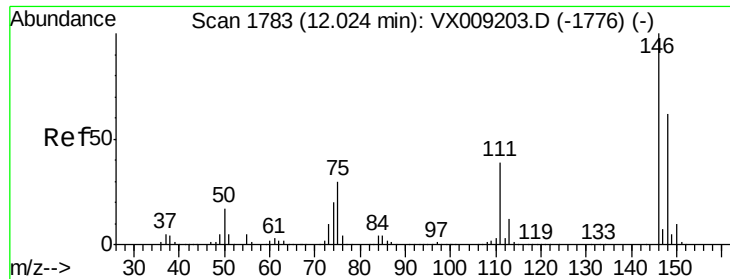
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 24.0 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 45.766 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

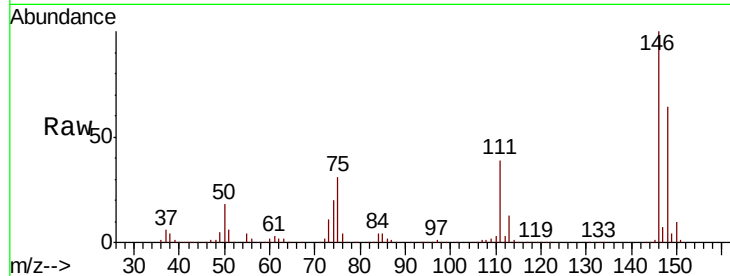
Tot Ion:146 Resp: 182748

Ion Ratio Lower Upper

146 100

111 39.7 20.0 59.9

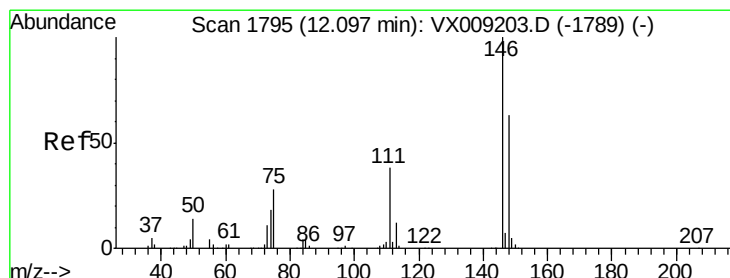
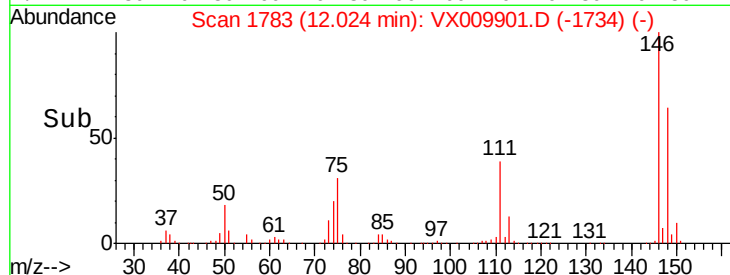
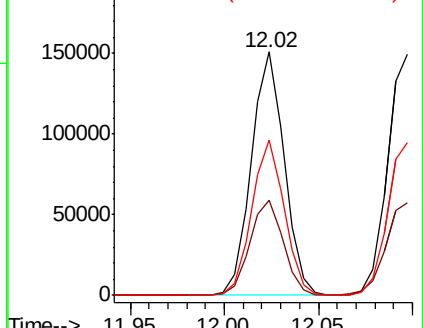
148 63.2 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 45.205 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

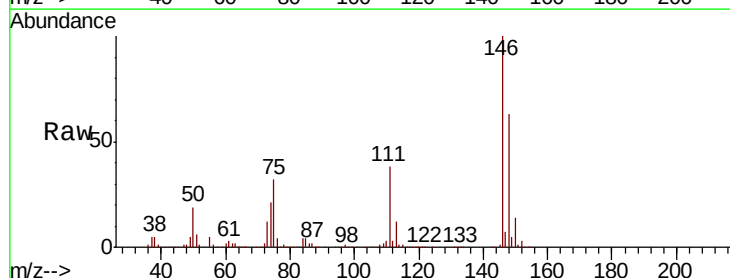
Tgt Ion:146 Resp: 181984

Ion Ratio Lower Upper

146 100

111 39.5 19.6 58.8

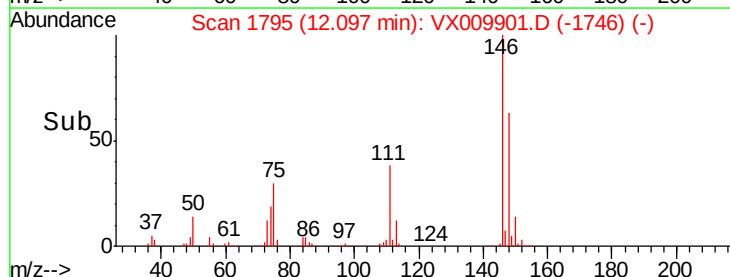
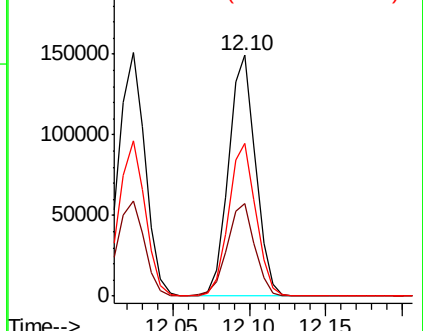
148 64.0 31.8 95.3

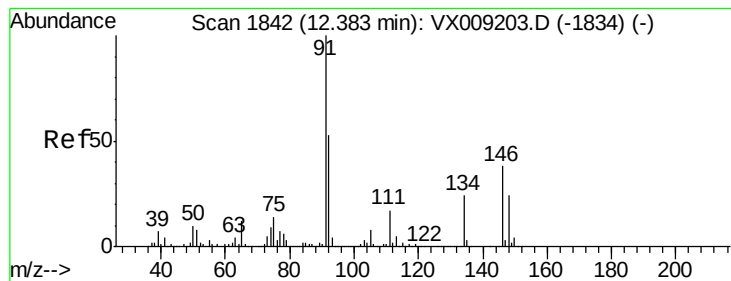


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 47.451 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009901.D

Acq: 24 May 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

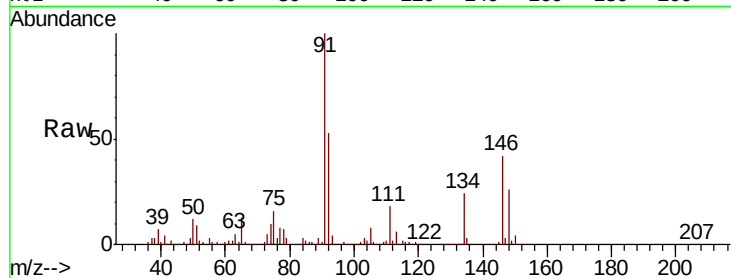
Tot Ion: 91 Resp: 337893

Ion Ratio Lower Upper

91 100

92 52.7 26.5 79.5

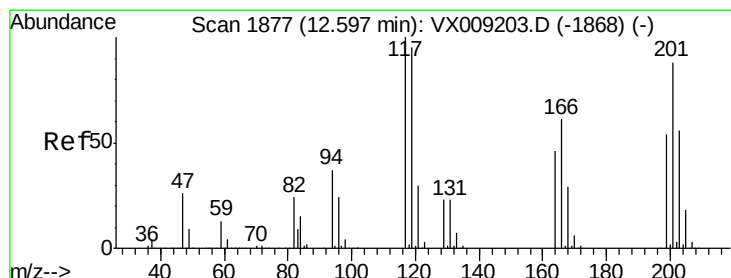
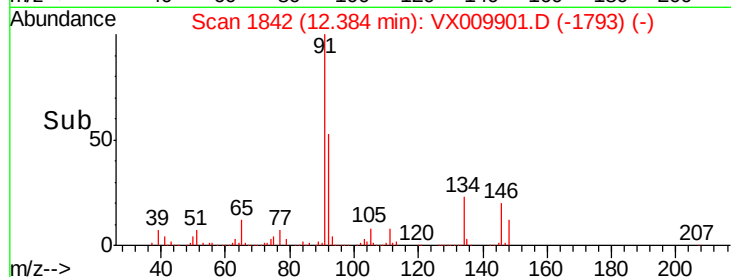
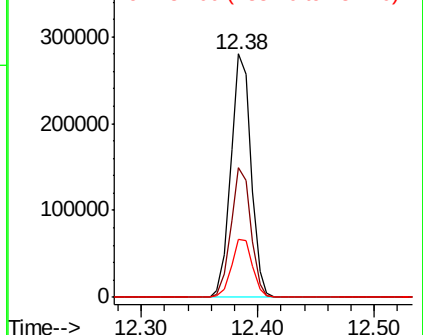
134 24.4 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 46.395 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX009901.D

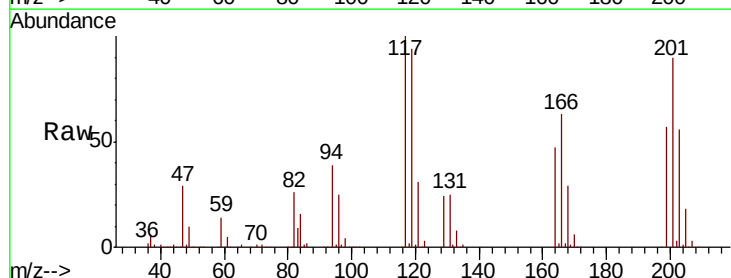
Acq: 24 May 2019 20:51

Tgt Ion: 117 Resp: 62273

Ion Ratio Lower Upper

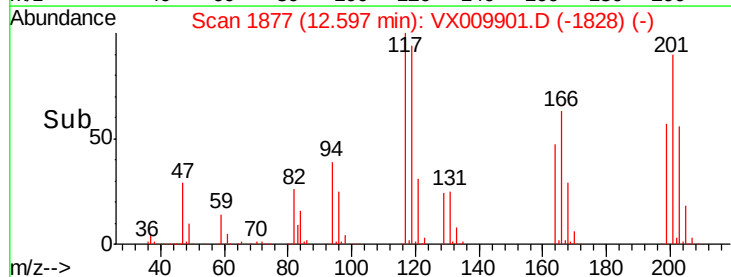
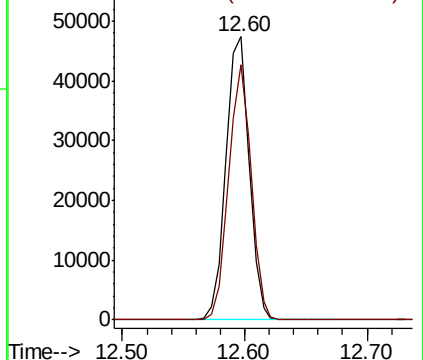
117 100

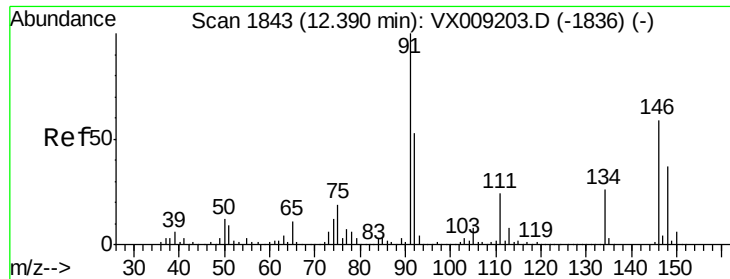
201 86.8 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

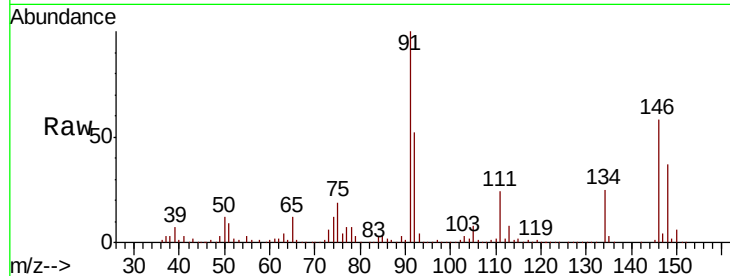




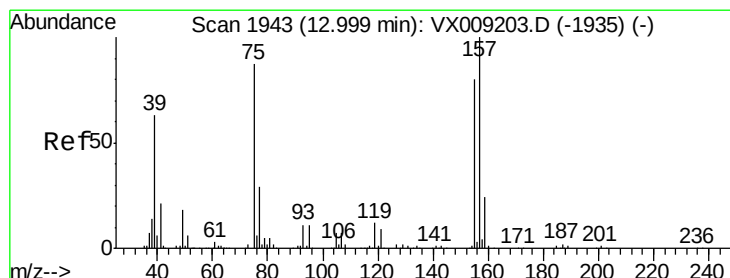
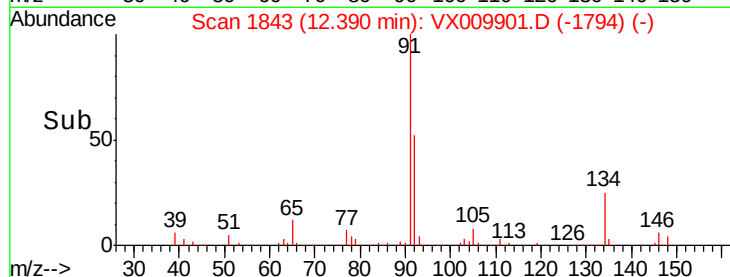
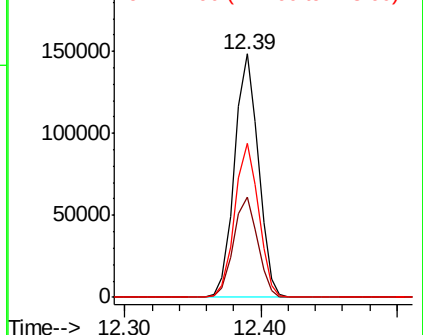
#91
 1,2-Dichlorobenzene
 Concen: 44.589 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 181351
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.8 62.4
 148 63.4 31.9 95.9

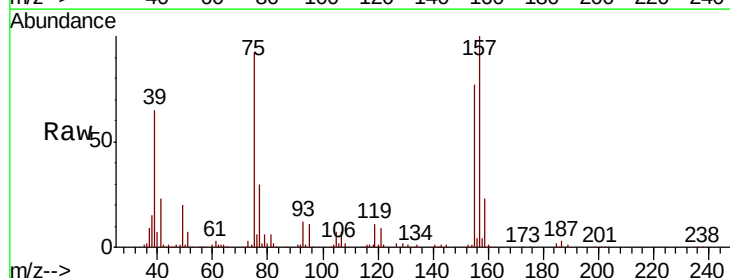


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

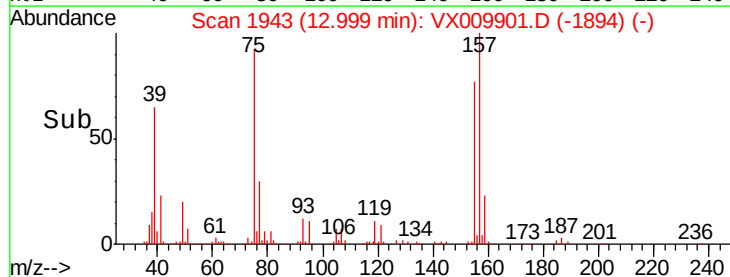
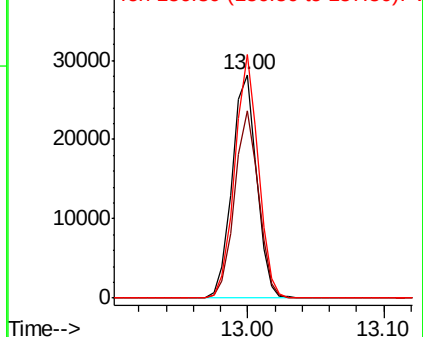


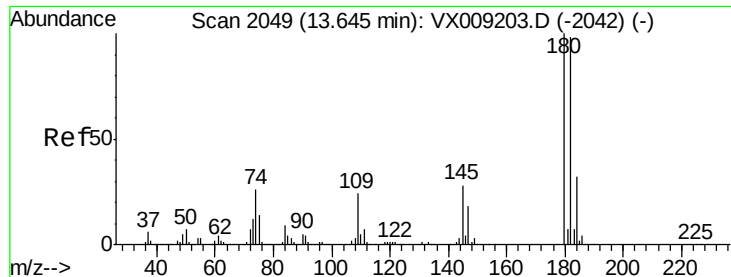
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.014 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion: 75 Resp: 35481
 Ion Ratio Lower Upper
 75 100
 155 81.6 42.0 126.0
 157 104.1 53.2 159.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

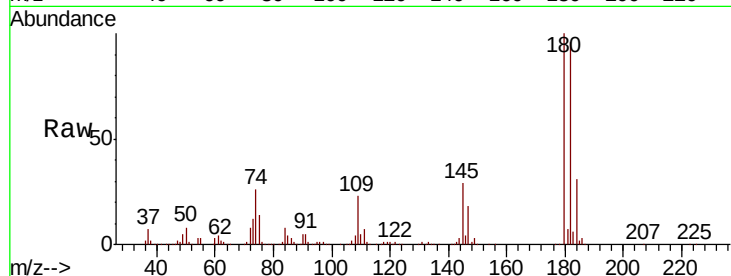




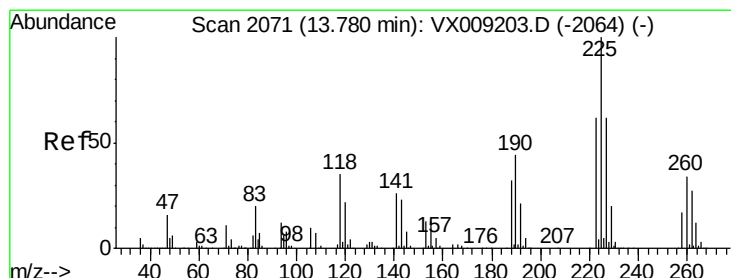
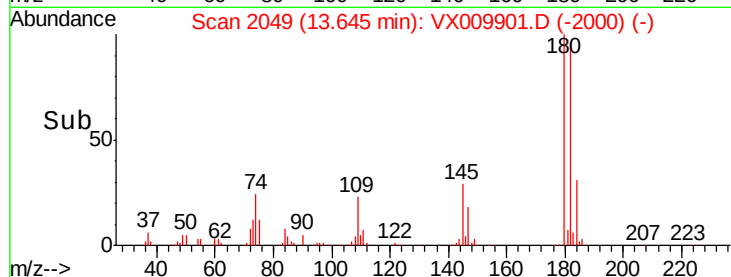
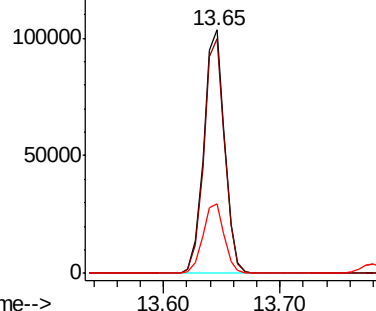
#93
 1,2,4-Trichlorobenzene
 Concen: 46.162 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.4	145.2
145	29.3	14.6	43.8

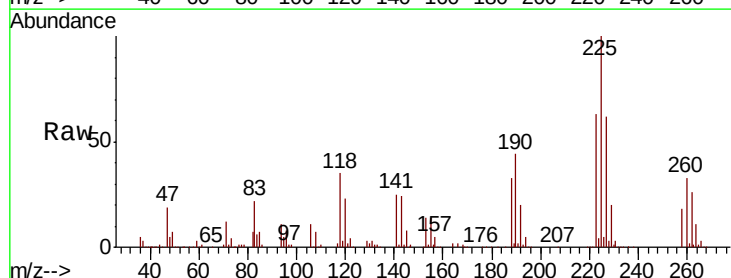


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

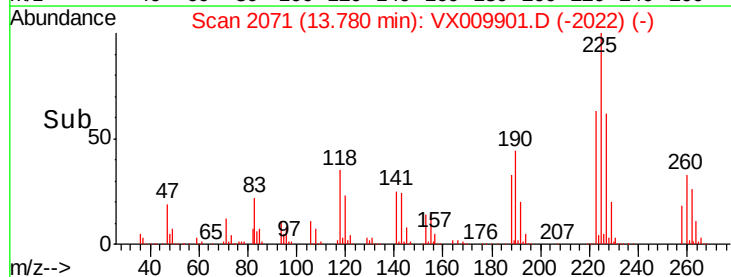
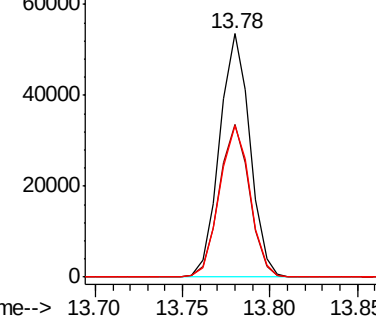


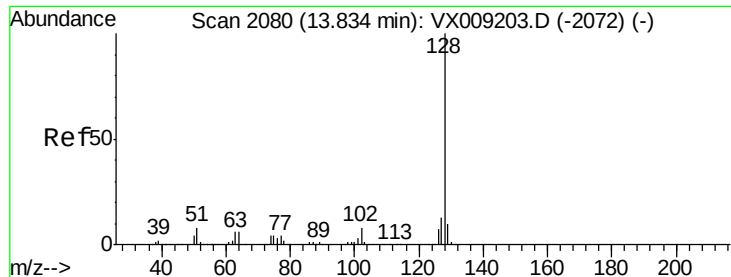
#94
 Hexachlorobutadiene
 Concen: 45.473 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009901.D
 Acq: 24 May 2019 20:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.3	93.8
227	62.5	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

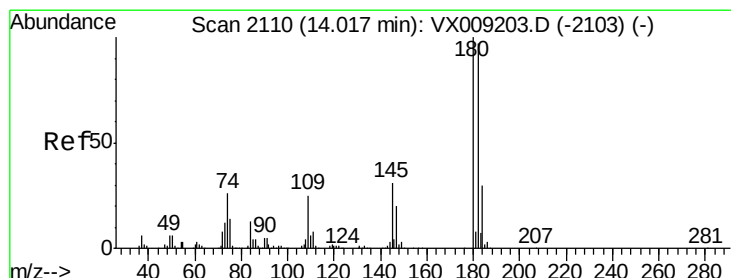
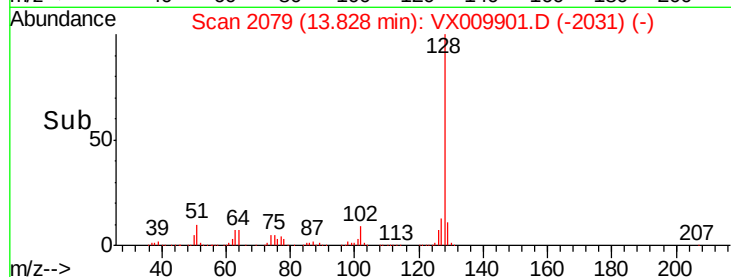
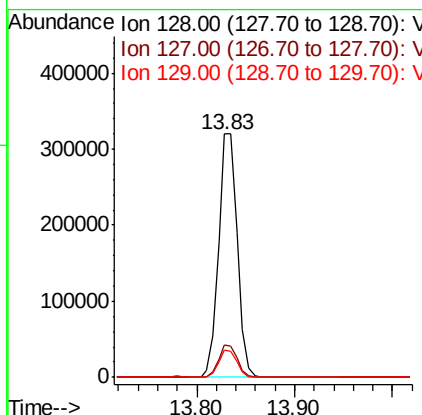
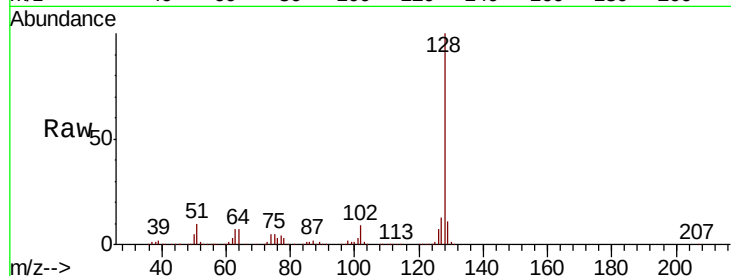




#95
Naphthalene
Concen: 46.609 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 421746
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 46.278 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009901.D
Acq: 24 May 2019 20:51

Tgt Ion:180 Resp: 130468
Ion Ratio Lower Upper
180 100
182 94.9 47.8 143.4
145 31.1 15.4 46.4

