

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012219\
 Data File : VX007172.D
 Acq On : 22 Jan 2019 10:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 22 23:59:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	526618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	749493	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	700432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	388841	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	272927	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	5.50	113	253349	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	
50) Toluene-d8	8.71	98	936325	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	
62) 4-Bromofluorobenzene	11.13	95	362288	59.15	ug/l	0.00
Spiked Amount			Recovery	=	118.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	209917	48.540	ug/l	99
3) Chloromethane	1.33	50	227047	45.099	ug/l	99
4) Vinyl Chloride	1.41	62	247546	45.711	ug/l	98
5) Bromomethane	1.64	94	252915	43.712	ug/l	97
6) Chloroethane	1.72	64	161995	42.841	ug/l	96
7) Trichlorofluoromethane	1.93	101	408217	46.652	ug/l	97
8) Diethyl Ether	2.19	74	156920	45.077	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	251706	48.048	ug/l	99
10) Methyl Iodide	2.51	142	348212	49.277	ug/l	99
11) Tert butyl alcohol	3.07	59	248486	191.399	ug/l	99
12) 1,1-Dichloroethene	2.38	96	219968	45.448	ug/l	97
13) Acrolein	2.29	56	106171	190.363	ug/l	99
14) Allyl chloride	2.73	41	383837	46.274	ug/l	100
15) Acrylonitrile	3.15	53	634891	213.026	ug/l	100
16) Acetone	2.45	43	646105	237.468	ug/l	98
17) Carbon Disulfide	2.57	76	510496	40.967	ug/l	99
18) Methyl Acetate	2.78	43	344498	43.722	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	772156	45.964	ug/l	99
20) Methylene Chloride	2.86	84	252979	48.872	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	239544	44.412	ug/l	100
22) Diisopropyl ether	3.87	45	744721	47.756	ug/l	96
23) Vinyl Acetate	3.82	43	3092705	235.169	ug/l	97
24) 1,1-Dichloroethane	3.70	63	432304	49.577	ug/l	99
25) 2-Butanone	4.69	43	861500	221.290	ug/l	100
26) 2,2-Dichloropropane	4.58	77	333829	49.787	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	275224	46.261	ug/l	98
28) Bromochloromethane	5.02	49	181566	47.525	ug/l	96
29) Tetrahydrofuran	5.14	42	517754	204.644	ug/l	98
30) Chloroform	5.21	83	439261	48.114	ug/l	97
31) Cyclohexane	5.58	56	360564	46.459	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	380650	49.190	ug/l	98
36) 1,1-Dichloropropene	5.80	75	320606	49.201	ug/l	99
37) Ethyl Acetate	4.85	43	311847	44.639	ug/l	98
38) Carbon Tetrachloride	5.78	117	333951	50.937	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	410102	49.367	ug/l	97
40) Benzene	6.14	78	955255	48.044	ug/l	100
41) Methacrylonitrile	5.06	41	179181	44.523	ug/l	98
42) 1,2-Dichloroethane	6.19	62	327669	47.690	ug/l	99
43) Isopropyl Acetate	6.45	43	520815	47.263	ug/l	99
44) Trichloroethene	7.21	130	288662	48.448	ug/l	99
45) 1,2-Dichloropropane	7.51	63	250401	50.094	ug/l	99
46) Dibromomethane	7.66	93	173999	49.529	ug/l	97
47) Bromodichloromethane	7.90	83	321842	53.822	ug/l	96
48) Methyl methacrylate	7.77	41	268454	47.439	ug/l	97
49) 1,4-Dioxane	7.75	88	111020	857.855	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1733470	244.780	ug/l	98
52) Toluene	8.78	92	632912	49.526	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	361325	54.492	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	390020	53.262	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	264284	51.667	ug/l	99
56) Ethyl methacrylate	9.18	69	390220	52.256	ug/l	95
57) 1,3-Dichloropropane	9.37	76	425866	50.819	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	1249712	325.493	ug/l	99
59) 2-Hexanone	9.49	43	1361748	252.330	ug/l	99
60) Dibromochloromethane	9.58	129	282840	56.944	ug/l	98
61) 1,2-Dibromoethane	9.67	107	278842	49.517	ug/l	100
64) Tetrachloroethene	9.34	164	302488	49.881	ug/l	95
65) Chlorobenzene	10.13	112	762660	49.923	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	277877	54.071	ug/l	97
67) Ethyl Benzene	10.25	91	1266034	50.199	ug/l	99
68) m/p-Xylenes	10.36	106	1012121	101.861	ug/l	99
69) o-Xylene	10.69	106	493072	50.882	ug/l	96
70) Styrene	10.71	104	811371	52.866	ug/l	99
71) Bromoform	10.85	173	218201	47.698	ug/l	98
73) Isopropylbenzene	11.02	105	1330415	48.522	ug/l	98
74) N-amyl acetate	10.90	43	511694	46.352	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	389784	44.779	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	442413	56.146	ug/l	94
77) Bromobenzene	11.26	156	360325	47.694	ug/l	98
78) n-propylbenzene	11.36	91	1536775	51.056	ug/l	98
79) 2-Chlorotoluene	11.42	91	893210	49.297	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1128463	49.255	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	114643	44.368	ug/l	98
82) 4-Chlorotoluene	11.51	91	1043982	49.764	ug/l	100
83) tert-Butylbenzene	11.77	119	1114389	48.752	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1153219	50.056	ug/l	100
85) sec-Butylbenzene	11.94	105	1390231	50.926	ug/l	100
86) p-Isopropyltoluene	12.06	119	1260768	51.632	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	672859	49.274	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	675133	52.175	ug/l	99
89) n-Butylbenzene	12.38	91	1105115	53.090	ug/l	99
90) Hexachloroethane	12.60	117	193998	49.780	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	654535	48.571	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	78540	45.622	ug/l	98

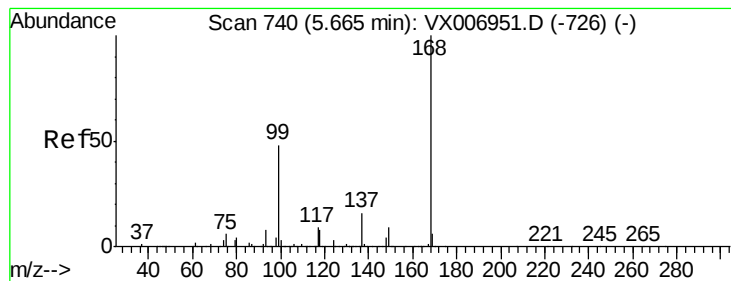
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012219\
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QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	478058	51.708	ug/l	99
94) Hexachlorobutadiene	13.78	225	226597	55.230	ug/l	99
95) Naphthalene	13.83	128	1343466	47.954	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	466255	50.767	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

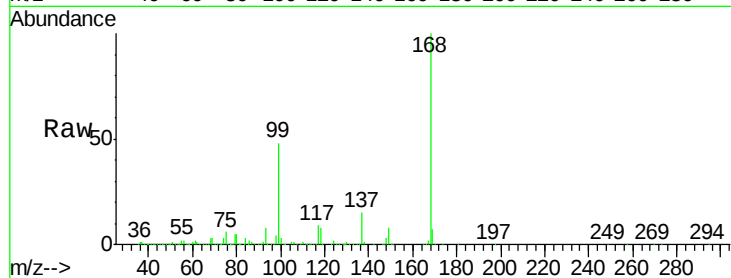
VSTDCCC050

Tot Ion:168 Resp: 526618

Ion Ratio Lower Upper

168 100

99 48.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

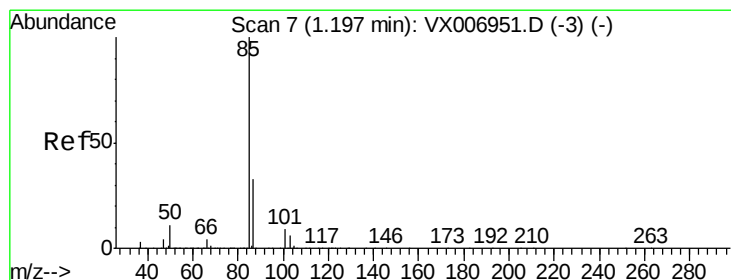
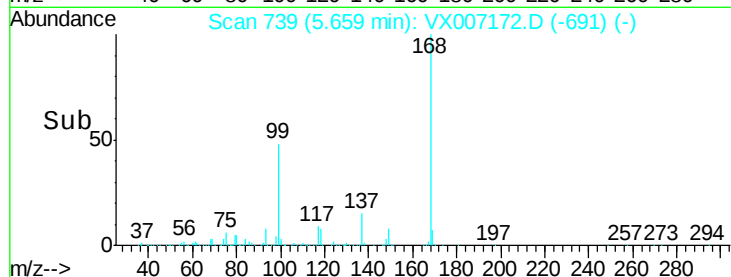
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.540 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007172.D

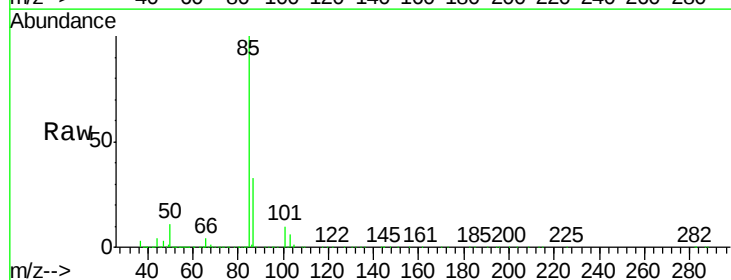
Acq: 22 Jan 2019 10:32

Tgt Ion: 85 Resp: 209917

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

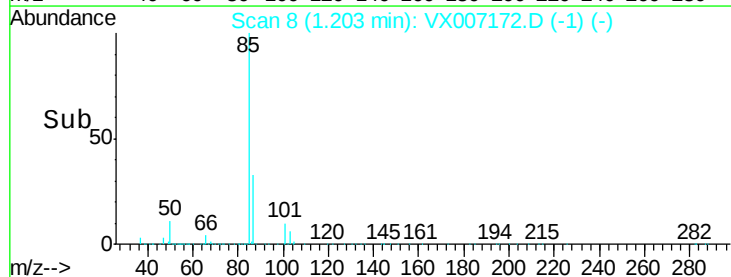
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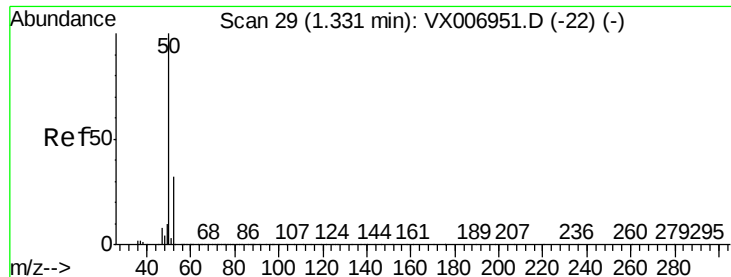
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50000

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Time-->

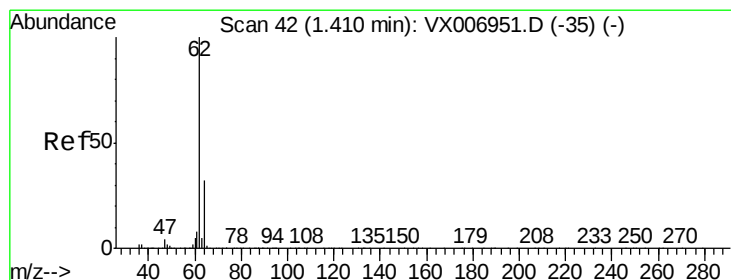
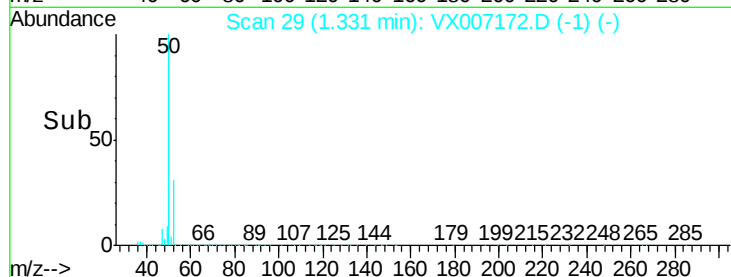
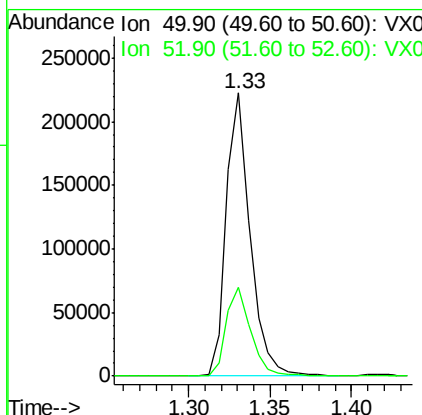
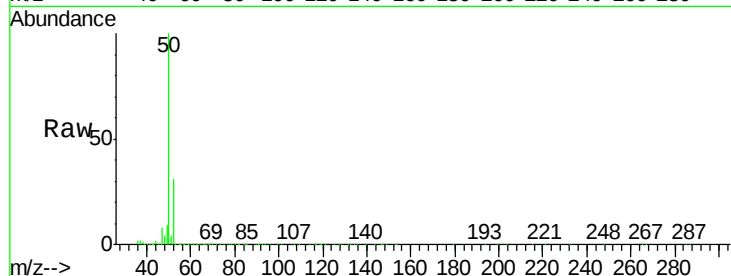




#3
Chloromethane
Concen: 45.099 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.00 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

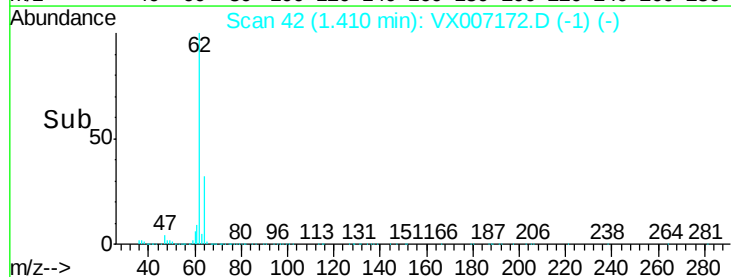
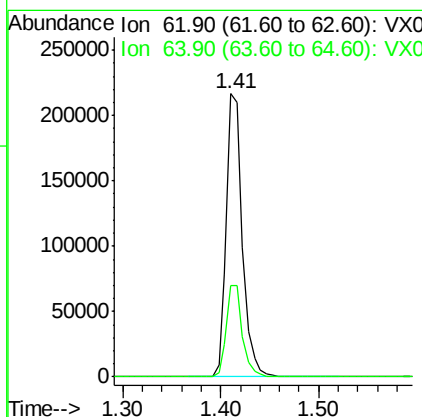
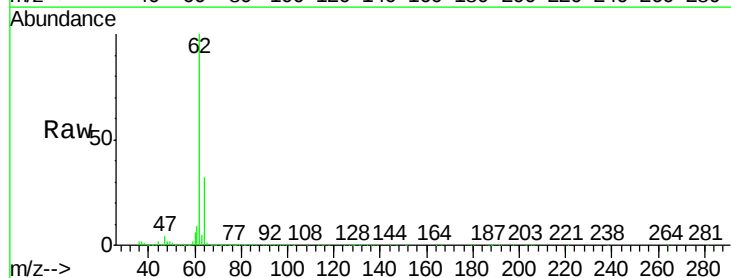
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

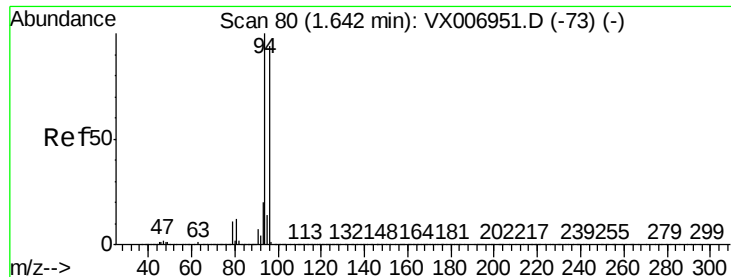
Tot Ion: 50 Resp: 227047
Ion Ratio Lower Upper
50 100
52 31.4 25.4 38.2



#4
Vinyl Chloride
Concen: 45.711 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Tgt Ion: 62 Resp: 247546
Ion Ratio Lower Upper
62 100
64 32.3 25.1 37.7





#5

Bromomethane

Concen: 43.712 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

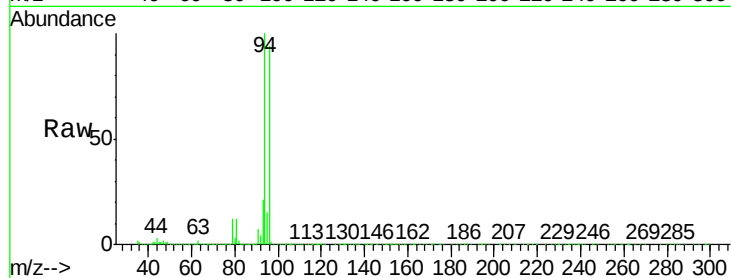
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 252915

Ion	Ratio	Lower	Upper
94	100		
96	94.2	73.4	110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250000

200000

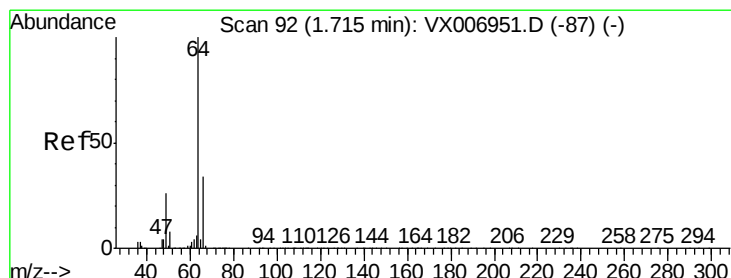
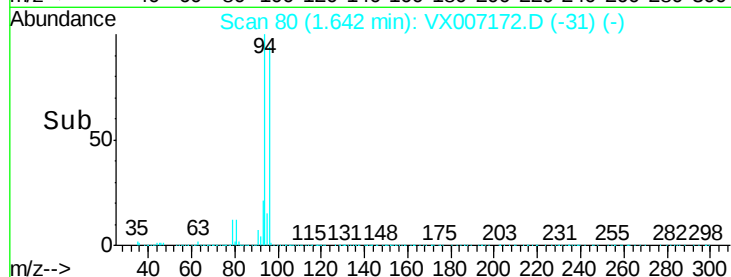
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 42.841 ug/l

RT: 1.72 min Scan# 93

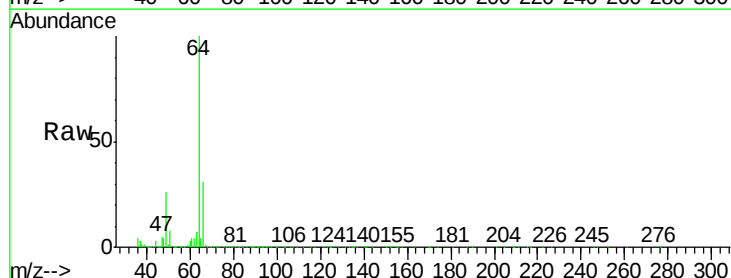
Delta R.T. 0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Tgt Ion: 64 Resp: 161995

Ion	Ratio	Lower	Upper
64	100		
66	30.9	26.4	39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

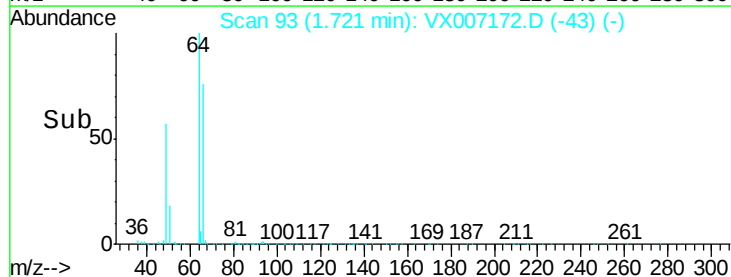
1.72

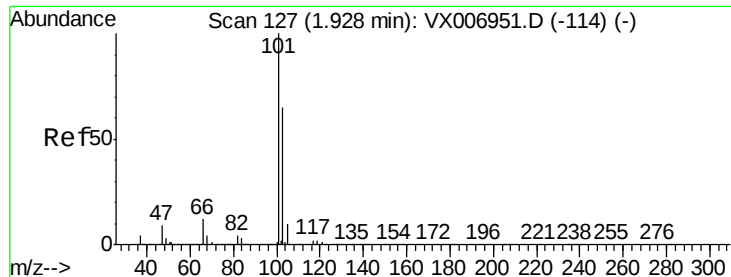
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50000

0

Time--> 1.65 1.70 1.75 1.80



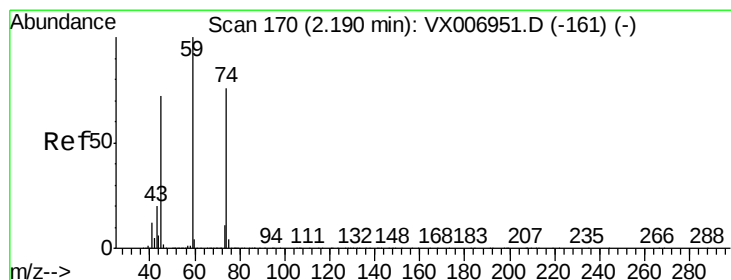
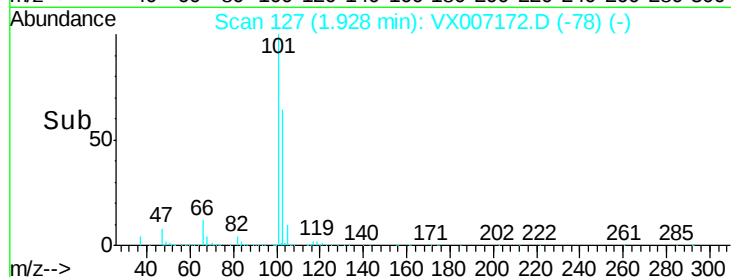
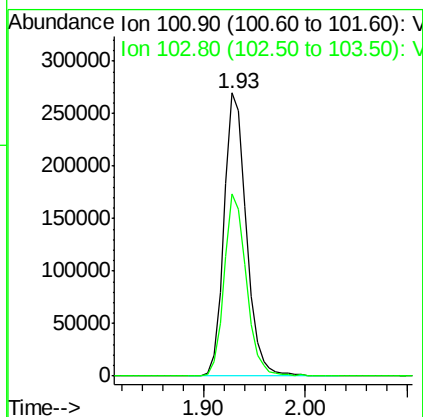
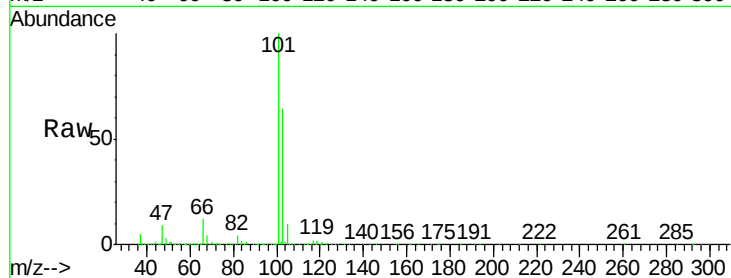


#7

Trichlorofluoromethane
Concen: 46.652 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Instrument :
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ClientSampleId :
VSTDCCC050

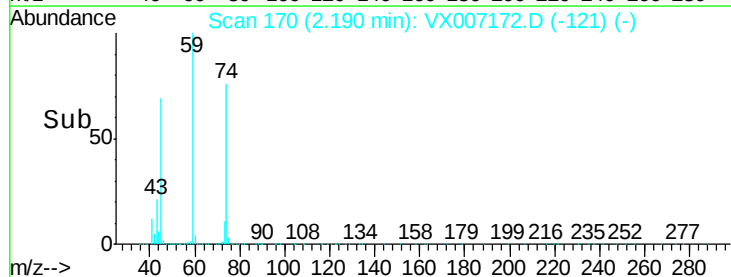
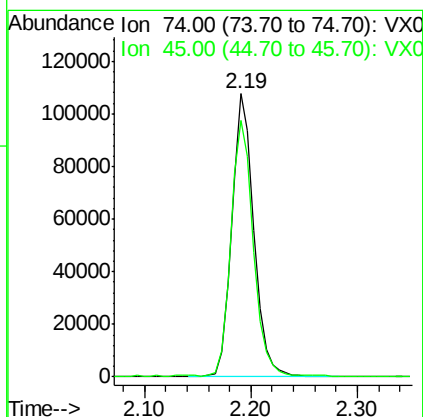
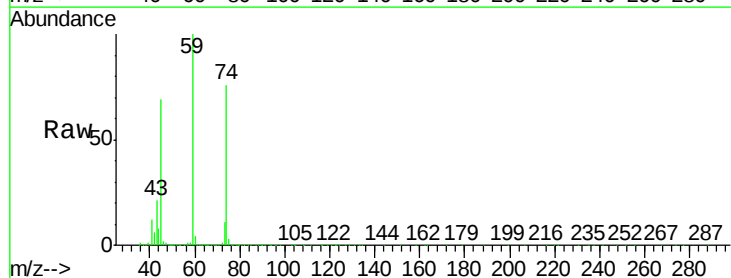
Tot Ion:101 Resp: 408217
Ion Ratio Lower Upper
101 100
103 64.3 53.2 79.8

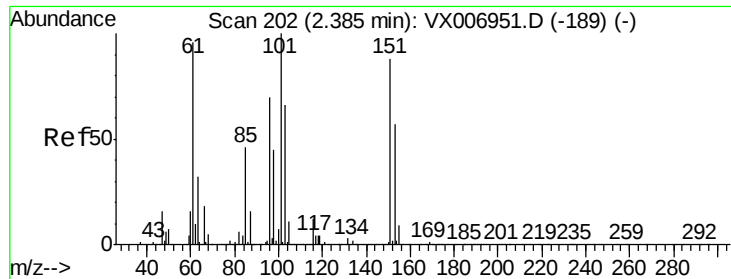


#8

Diethyl Ether
Concen: 45.077 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Tgt Ion: 74 Resp: 156920
Ion Ratio Lower Upper
74 100
45 91.9 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.048 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

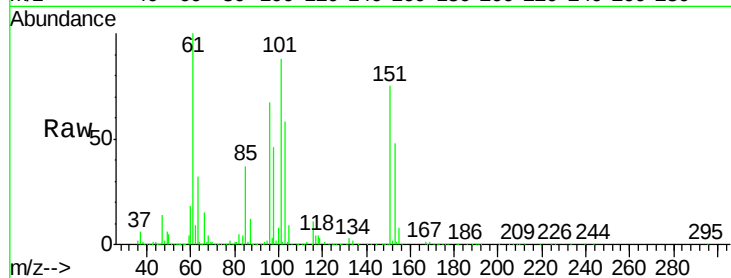
Tot Ion:101 Resp: 251706

Ion Ratio Lower Upper

101 100

85 43.2 35.1 52.7

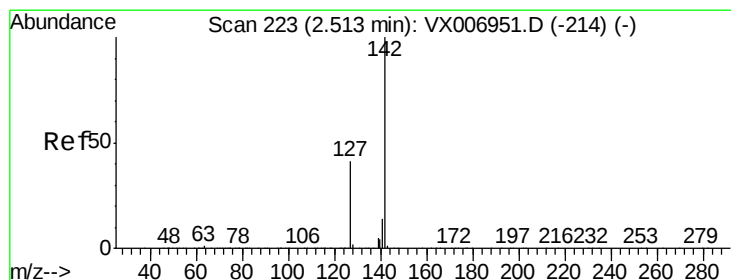
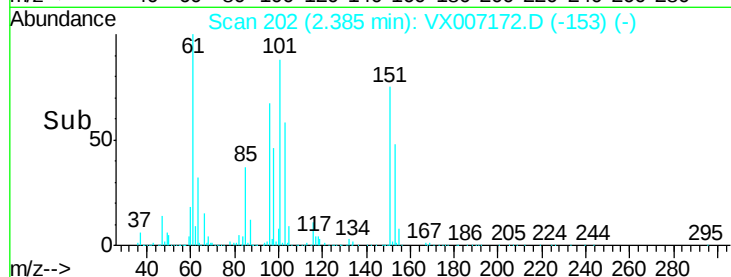
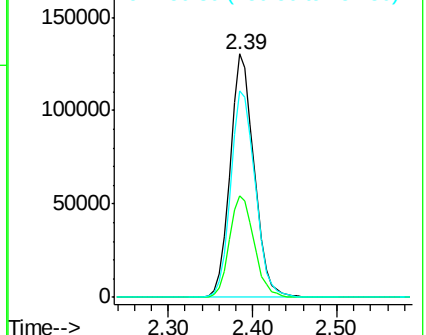
151 86.8 68.9 103.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.277 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

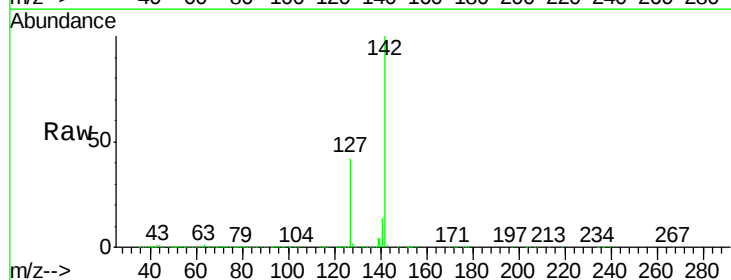
Tgt Ion:142 Resp: 348212

Ion Ratio Lower Upper

142 100

127 41.6 33.9 50.9

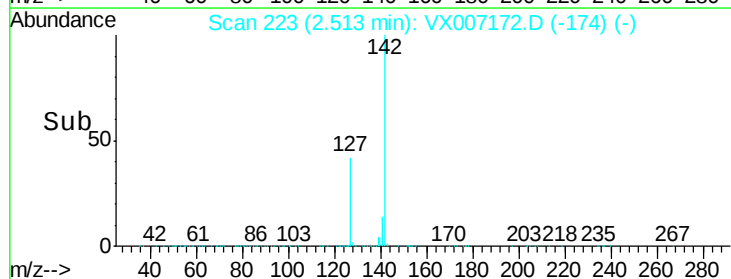
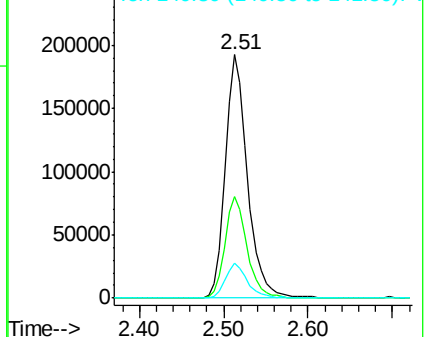
141 14.3 11.4 17.0

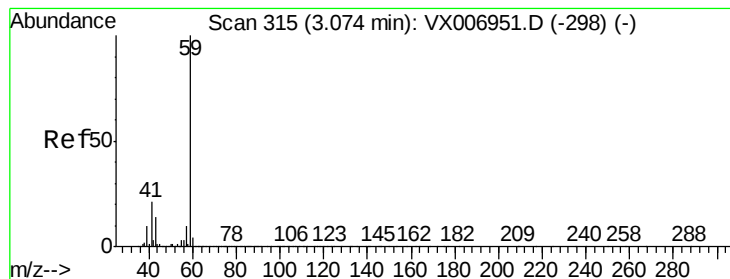


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



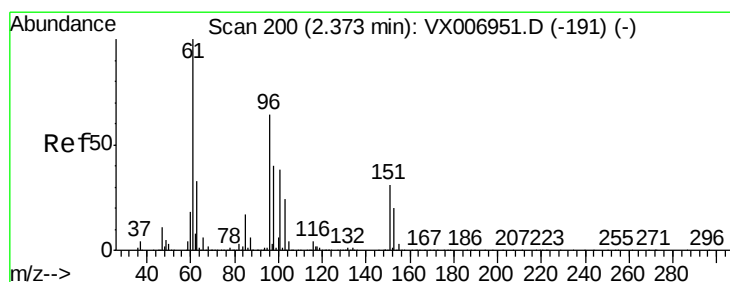
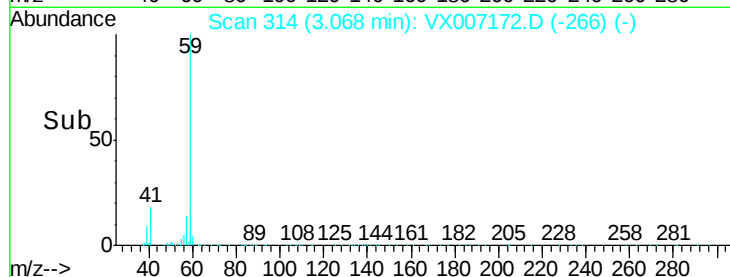
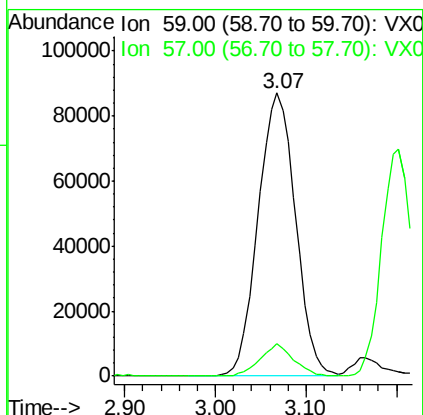
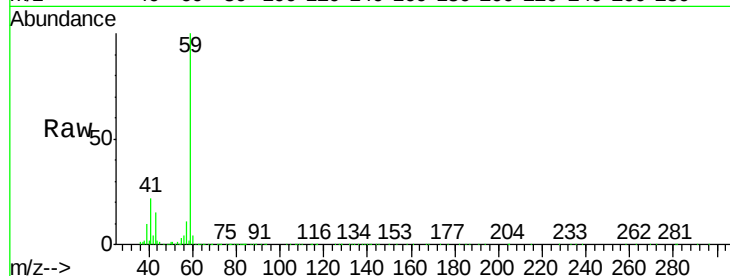


#11

Tert butyl alcohol
Concen: 191.399 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

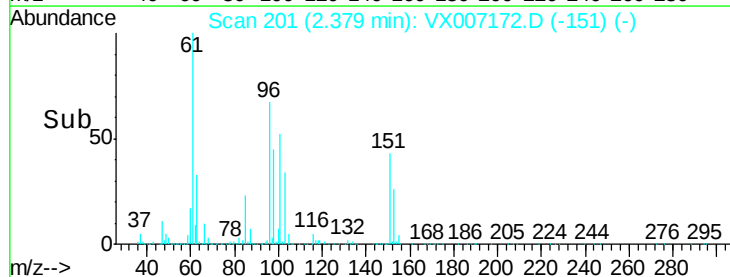
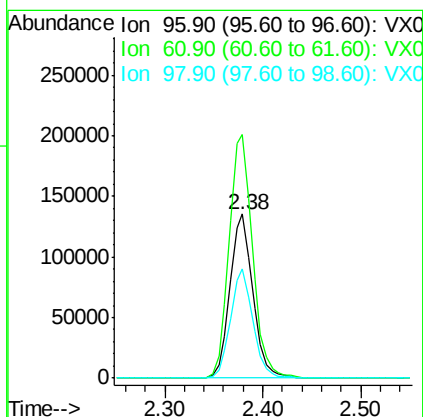
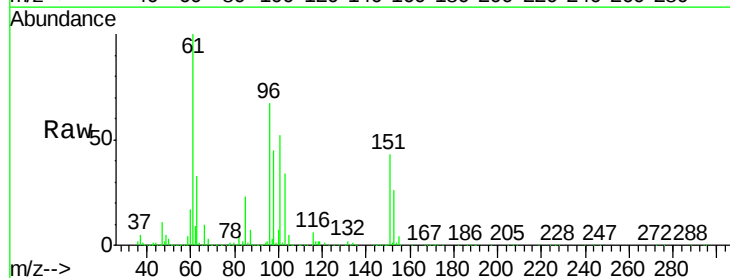
Tot Ion: 59 Resp: 248486
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7

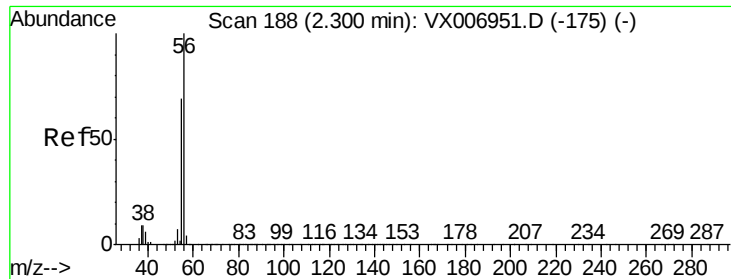


#12

1,1-Dichloroethene
Concen: 45.448 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Tgt Ion: 96 Resp: 219968
Ion Ratio Lower Upper
96 100
61 148.3 121.4 182.2
98 66.7 51.9 77.9





#13

Acrolein

Concen: 190.363 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

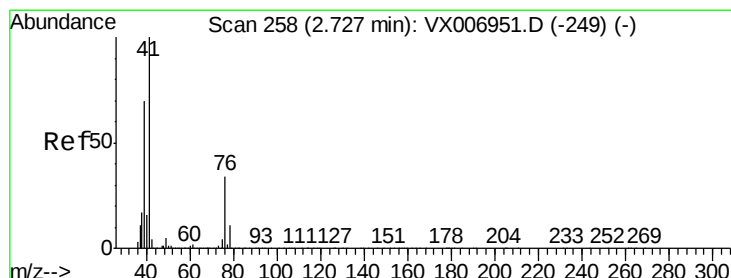
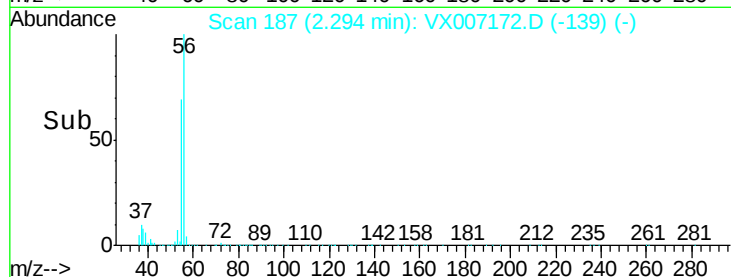
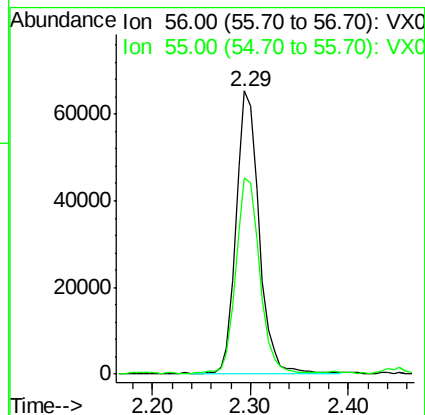
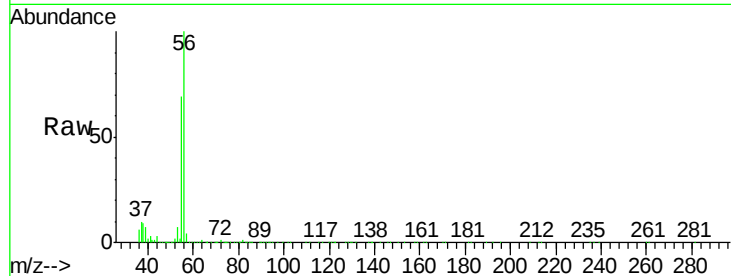
VSTDCCC050

Tot Ion: 56 Resp: 106171

Ion Ratio Lower Upper

56 100

55 72.1 58.2 87.4



#14

Allyl chloride

Concen: 46.274 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

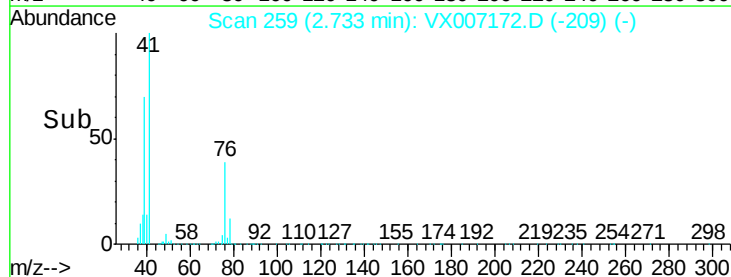
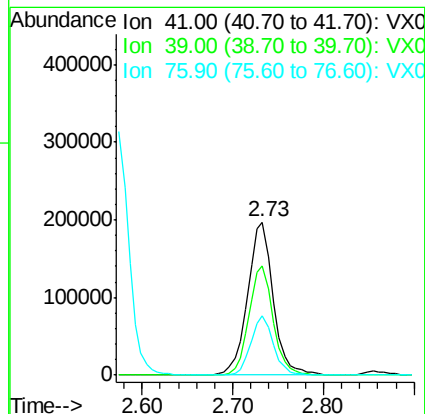
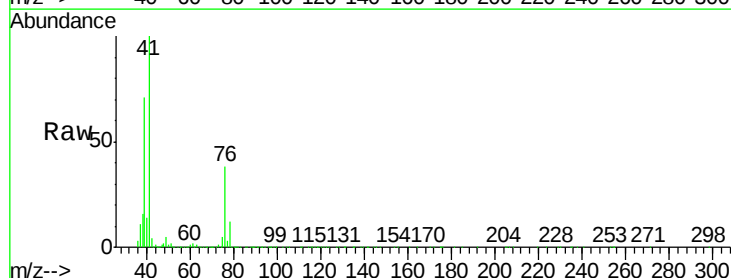
Tgt Ion: 41 Resp: 383837

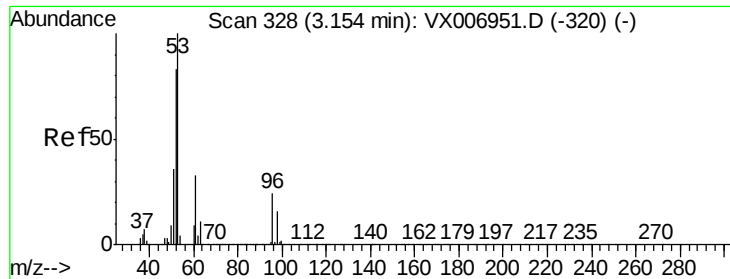
Ion Ratio Lower Upper

41 100

39 67.3 53.6 80.4

76 34.0 27.4 41.2





#15

Acrylonitrile

Concen: 213.026 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

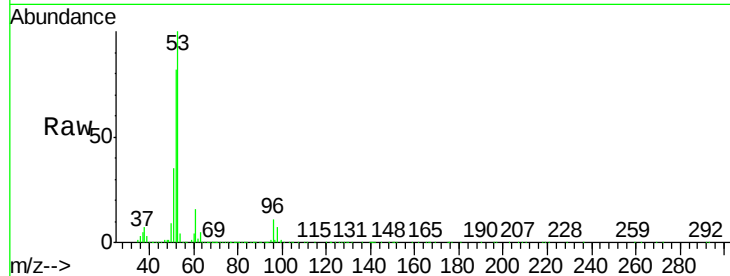
Tot Ion: 53 Resp: 634891

Ion Ratio Lower Upper

53 100

52 82.4 66.0 99.0

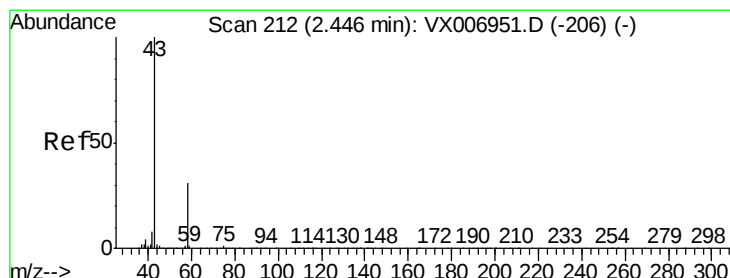
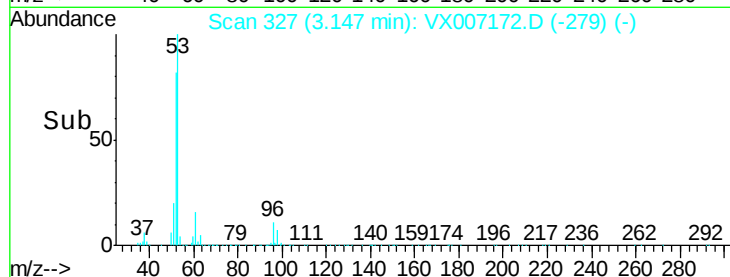
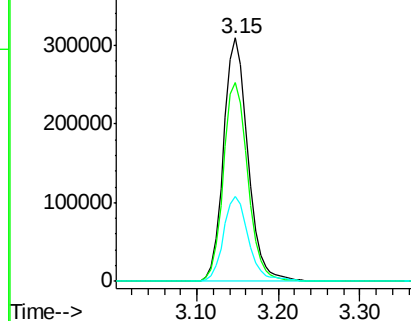
51 36.1 28.6 42.8



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: 237.468 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007172.D

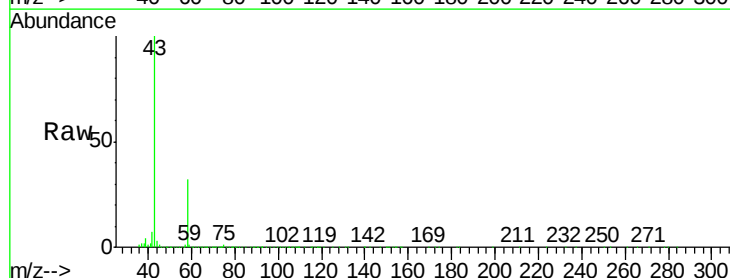
Acq: 22 Jan 2019 10:32

Tgt Ion: 43 Resp: 646105

Ion Ratio Lower Upper

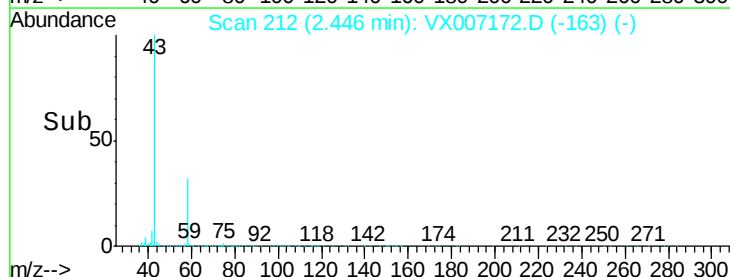
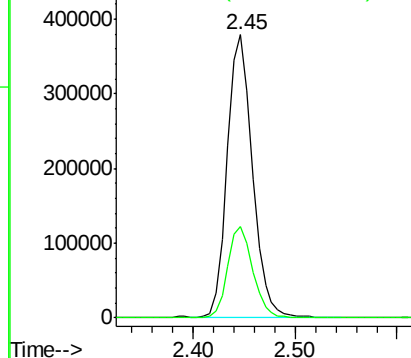
43 100

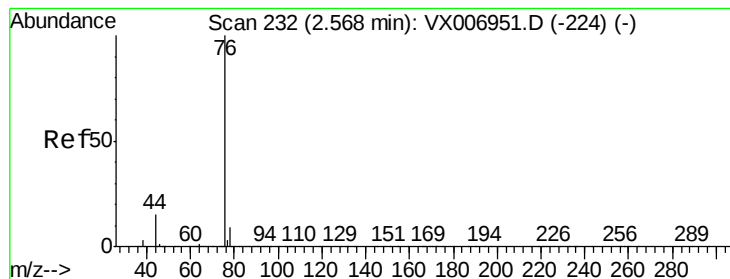
58 32.5 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 40.967 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

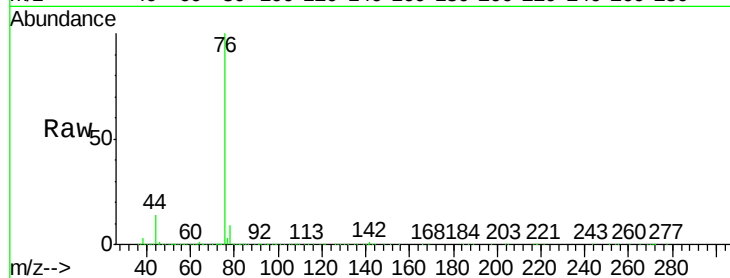
VSTDCCC050

Tot Ion: 76 Resp: 510496

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

300000

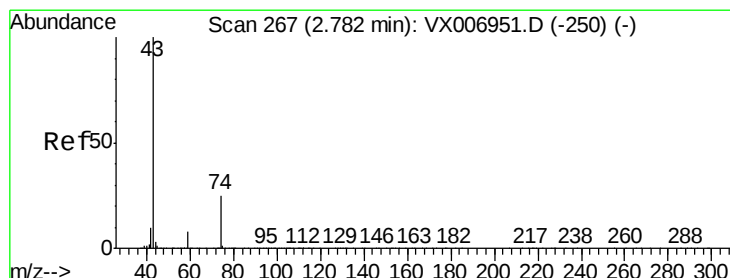
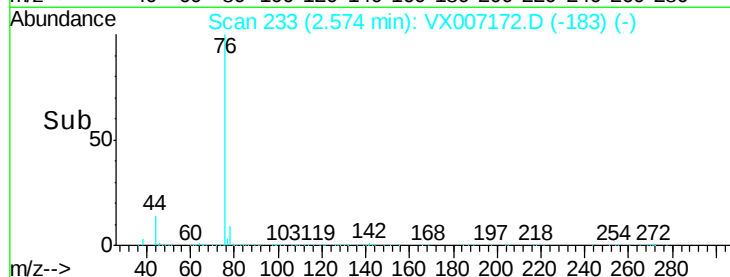
200000

100000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 43.722 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007172.D

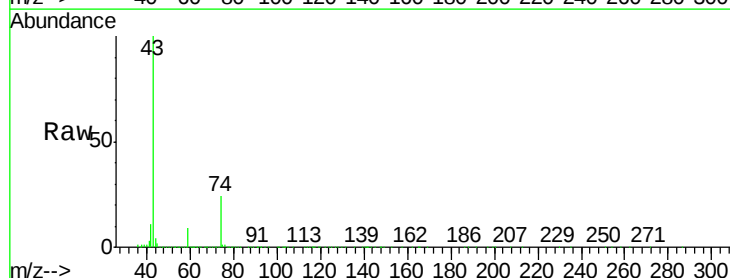
Acq: 22 Jan 2019 10:32

Tgt Ion: 43 Resp: 344498

Ion Ratio Lower Upper

43 100

74 24.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

200000

150000

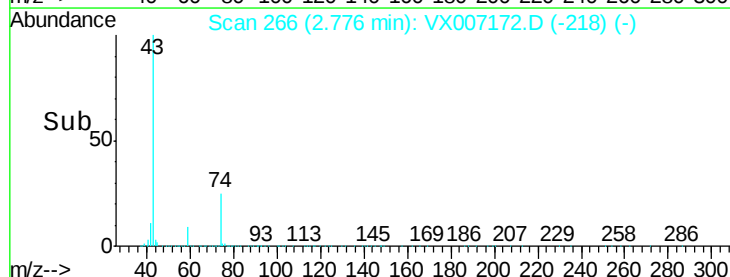
100000

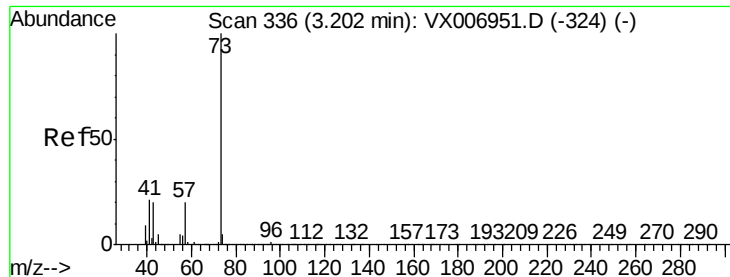
50000

0

Time-->

2.65 2.70 2.75 2.80 2.85



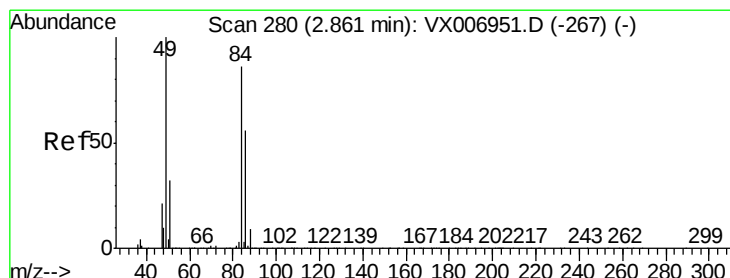
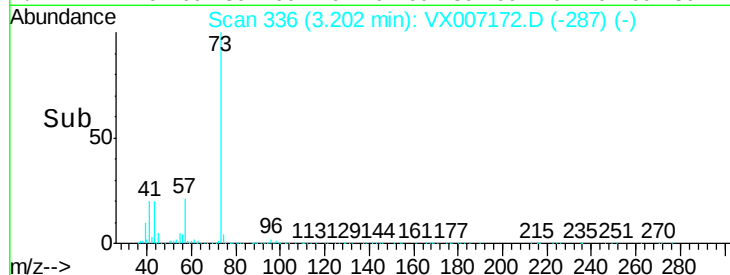
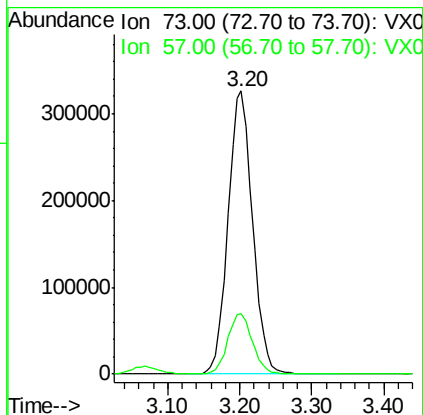
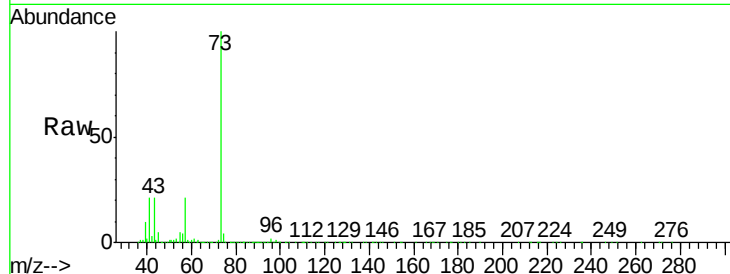


#19

Methyl tert-butyl Ether
 Concen: 45.964 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX007172.D
 Acq: 22 Jan 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

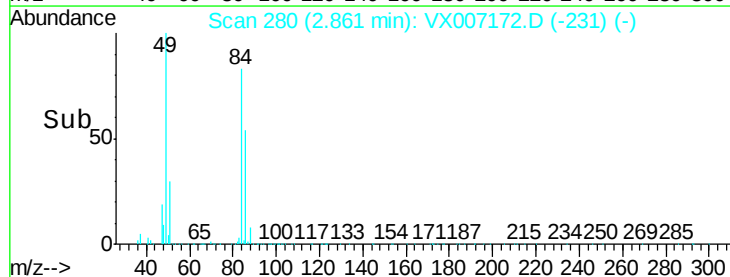
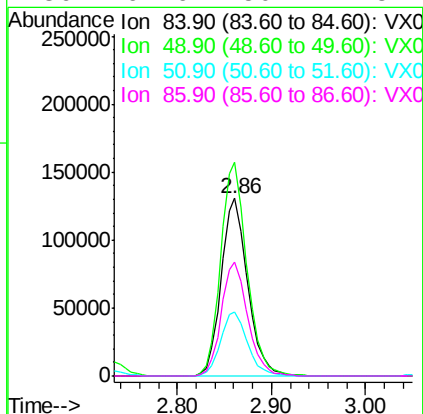
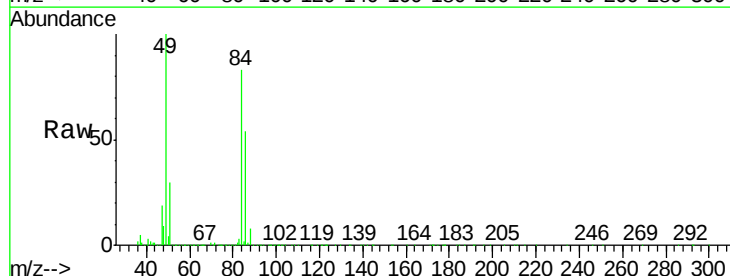
Tot Ion: 73 Resp: 772156
 Ion Ratio Lower Upper
 73 100
 57 21.5 16.8 25.2

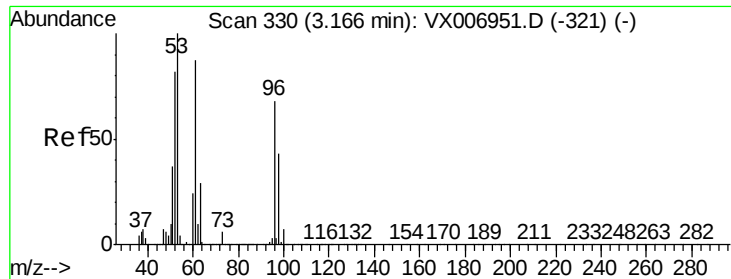


#20

Methylene Chloride
 Concen: 48.872 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX007172.D
 Acq: 22 Jan 2019 10:32

Tgt Ion: 84 Resp: 252979
 Ion Ratio Lower Upper
 84 100
 49 120.3 91.8 137.6
 51 35.9 28.5 42.7
 86 64.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 44.412 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

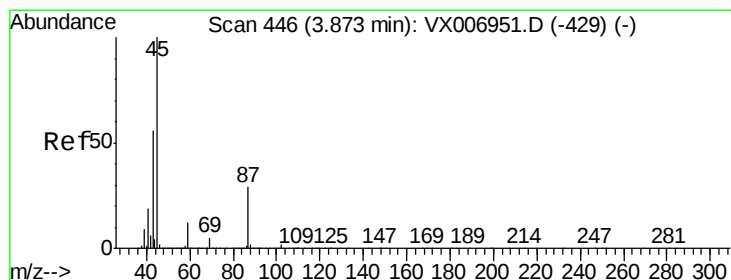
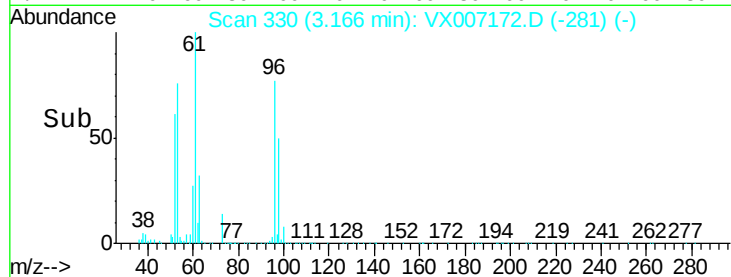
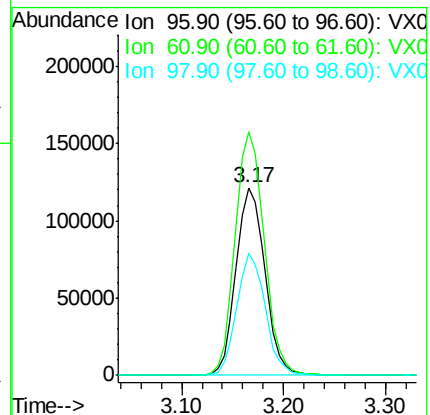
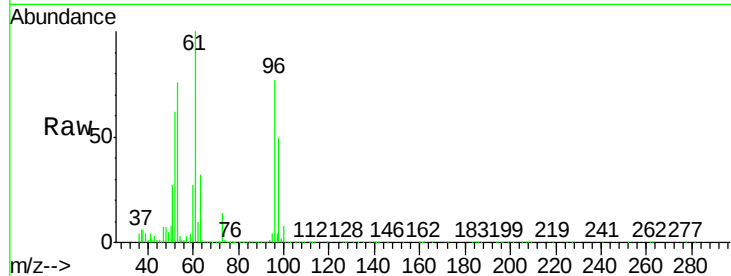
Tot Ion: 96 Resp: 239544

Ion Ratio Lower Upper

96 100

61 129.6 103.7 155.5

98 64.8 51.0 76.6



#22

Diisopropyl ether

Concen: 47.756 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Tgt Ion: 45 Resp: 744721

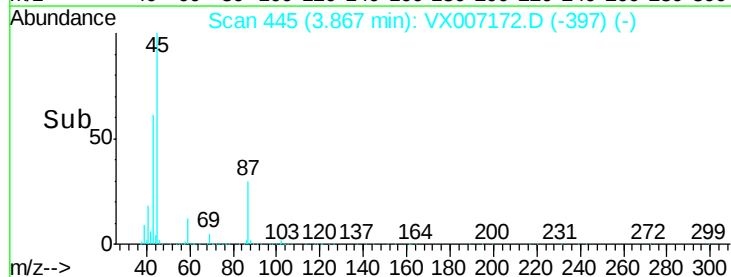
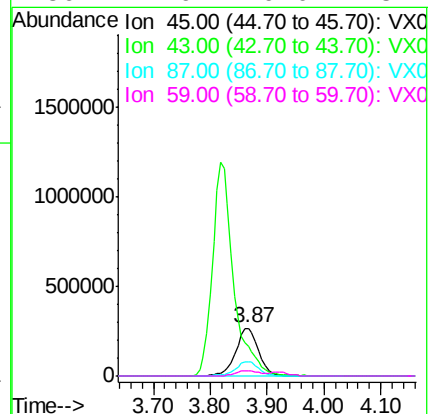
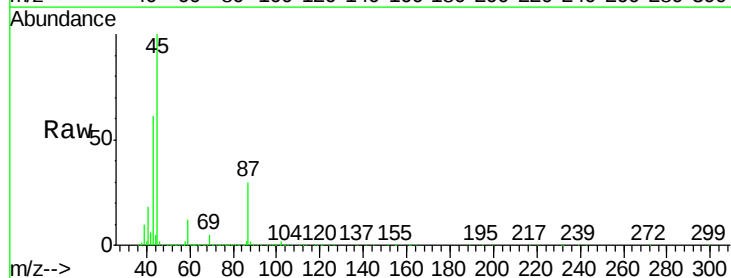
Ion Ratio Lower Upper

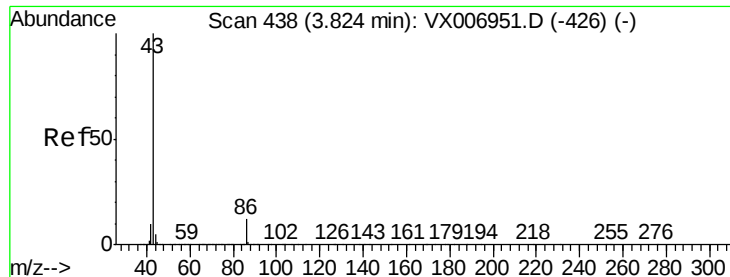
45 100

43 60.7 51.2 76.8

87 30.0 25.8 38.6

59 11.9 9.0 13.4





#23

Vinyl Acetate

Concen: 235.169 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

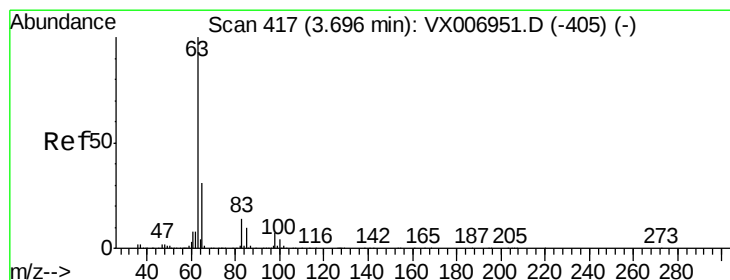
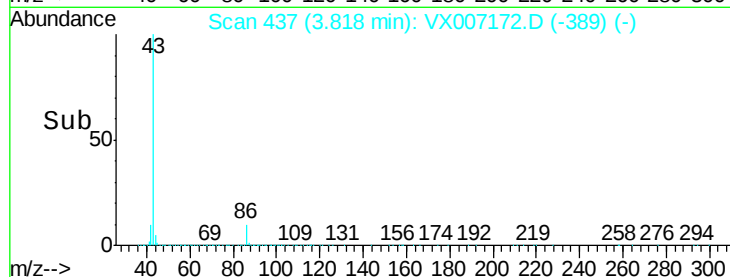
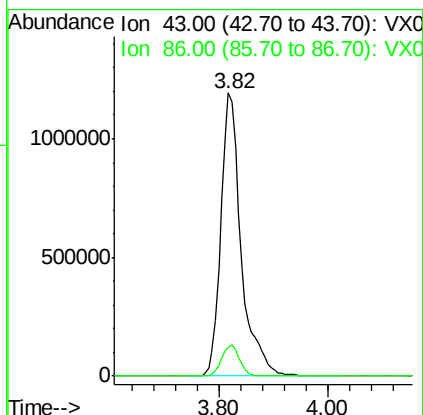
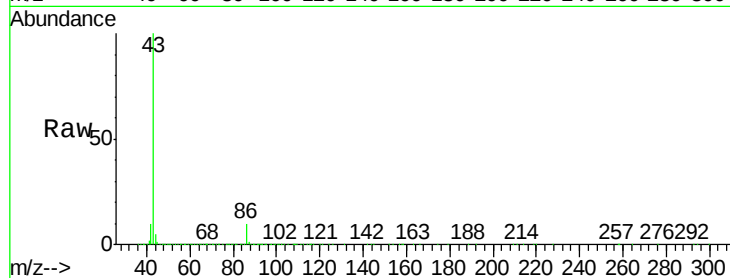
VSTDCCC050

Tot Ion: 43 Resp: 3092705

Ion Ratio Lower Upper

43 100

86 10.2 9.2 13.8



#24

1,1-Dichloroethane

Concen: 49.577 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

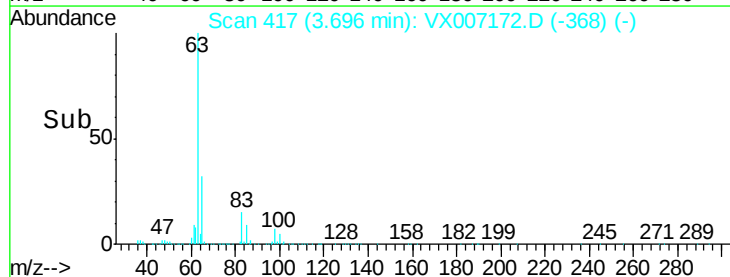
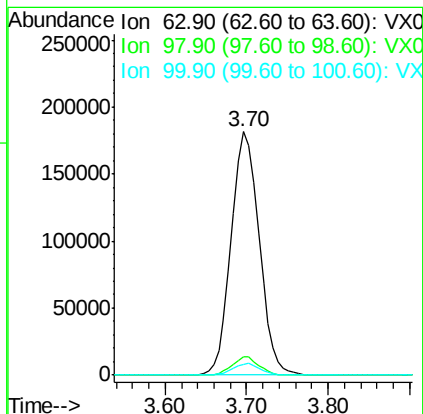
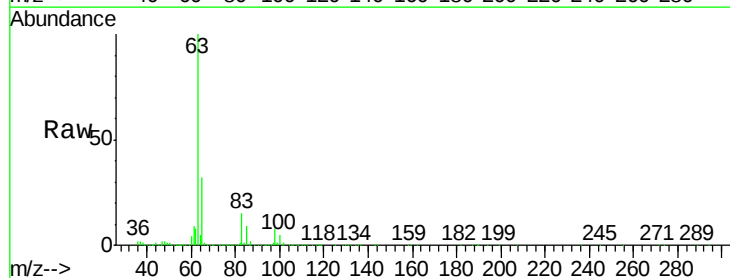
Tgt Ion: 63 Resp: 432304

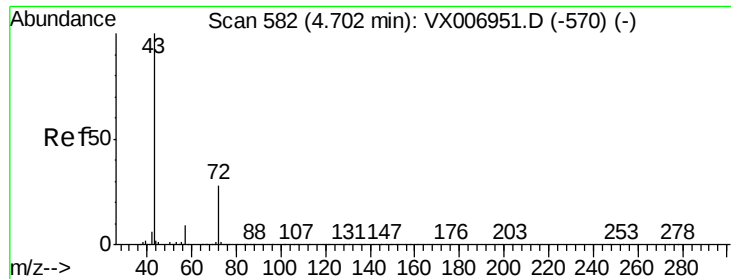
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 221.290 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

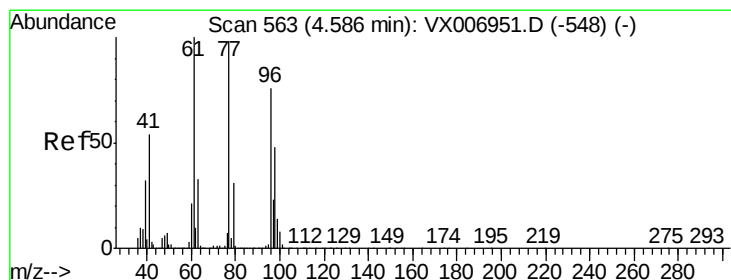
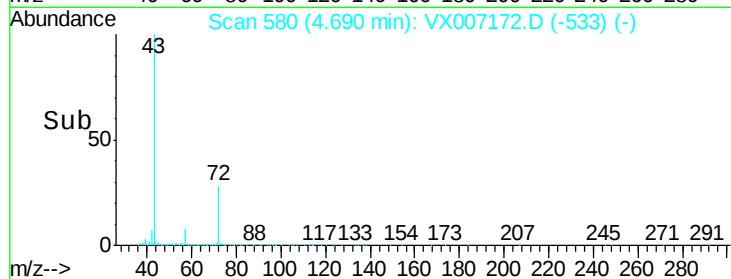
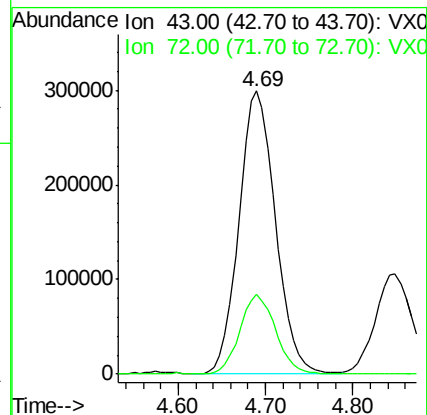
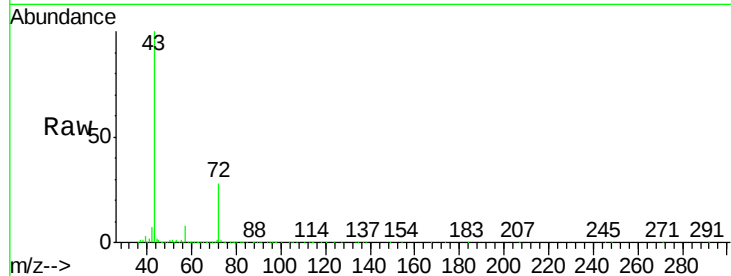
VSTDCCC050

Tot Ion: 43 Resp: 861500

Ion Ratio Lower Upper

43 100

72 28.1 22.4 33.6



#26

2,2-Dichloropropane

Concen: 49.787 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007172.D

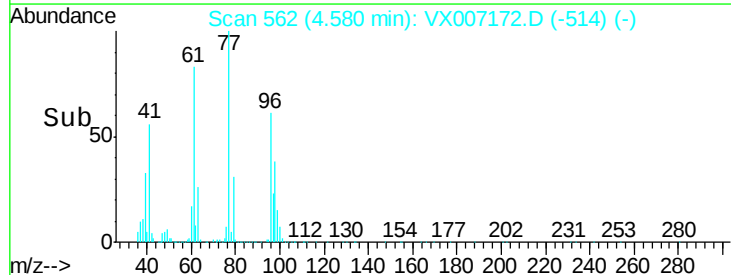
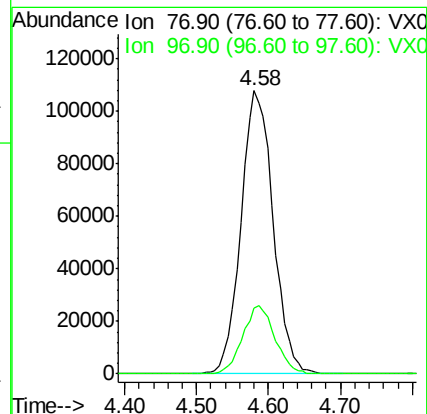
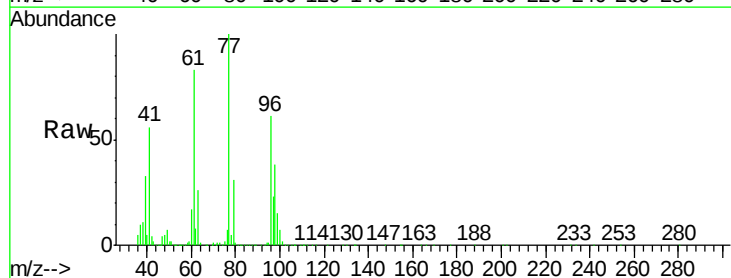
Acq: 22 Jan 2019 10:32

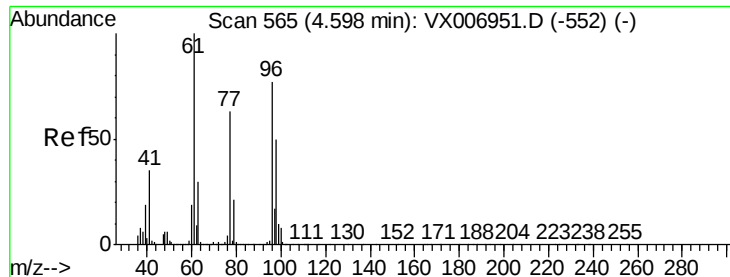
Tgt Ion: 77 Resp: 333829

Ion Ratio Lower Upper

77 100

97 24.2 12.4 37.4



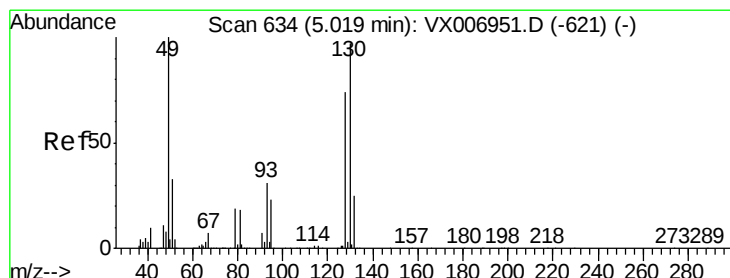
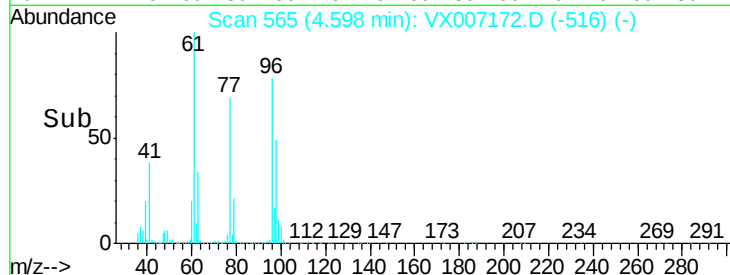
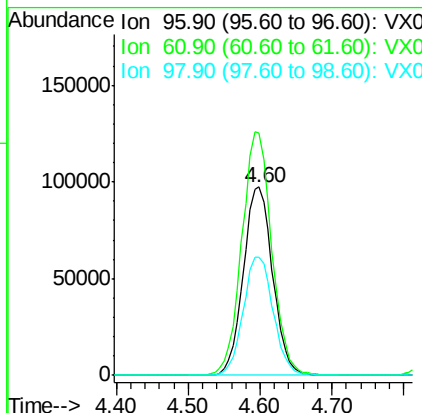
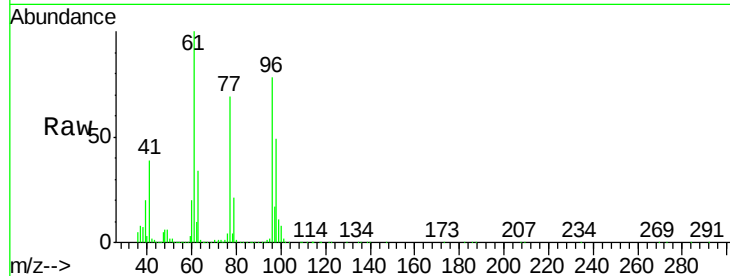


#27

cis-1,2-Dichloroethene
 Concen: 46.261 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007172.D
 Acq: 22 Jan 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

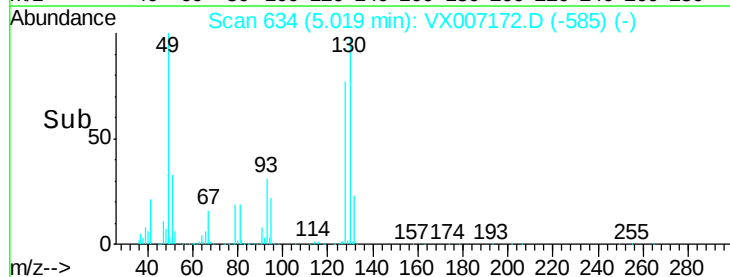
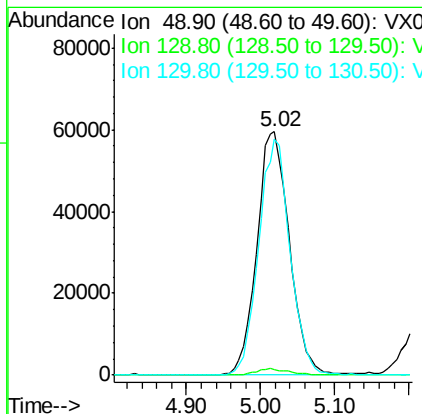
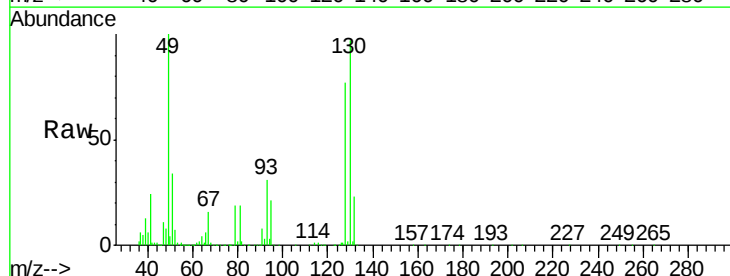
Tot Ion	Ratio	Lower	Upper
96	100		
61	131.9	0.0	258.6
98	64.6	0.0	132.0

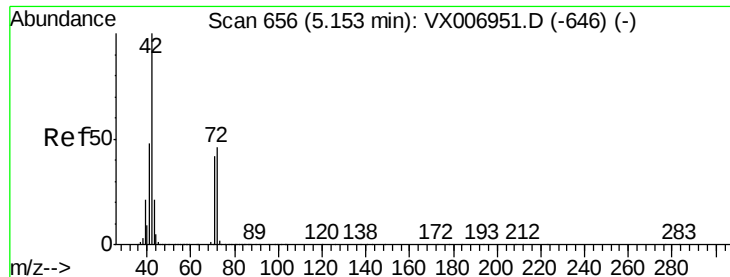


#28

Bromochloromethane
 Concen: 47.525 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX007172.D
 Acq: 22 Jan 2019 10:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	93.4	77.7	116.5





#29

Tetrahydrofuran

Concen: 204.644 ug/l

RT: 5.14 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

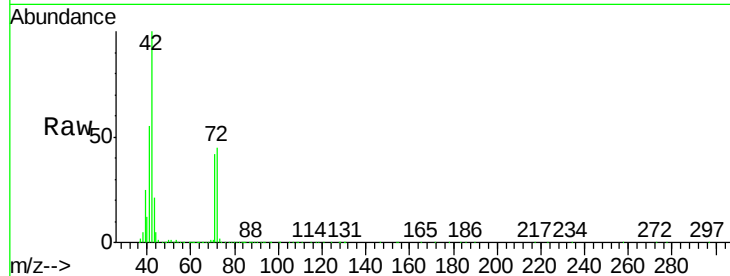
Tot Ion: 42 Resp: 517754

Ion Ratio Lower Upper

42 100

72 46.8 38.9 58.3

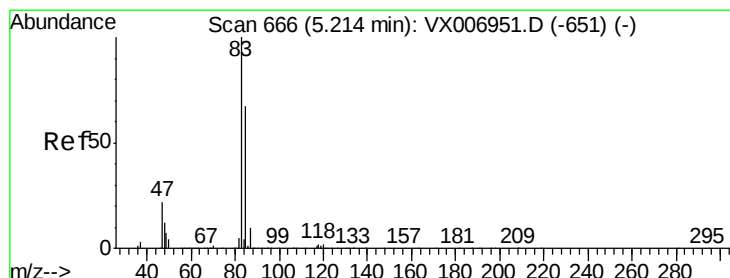
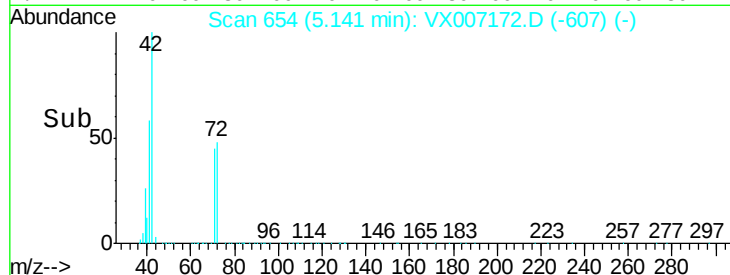
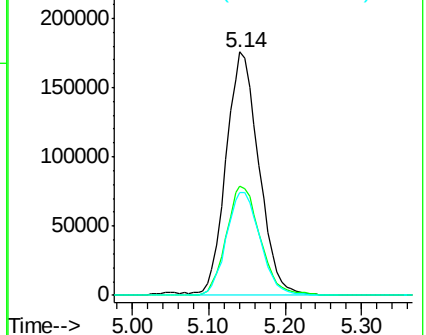
71 43.8 36.2 54.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 48.114 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007172.D

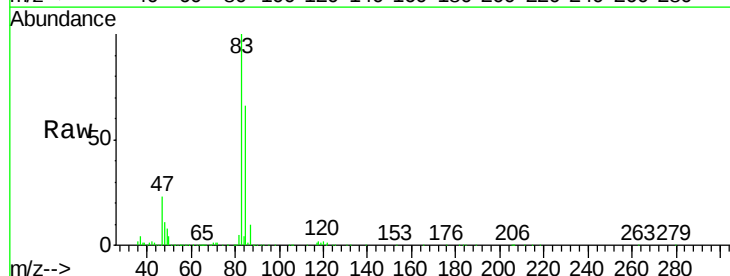
Acq: 22 Jan 2019 10:32

Tgt Ion: 83 Resp: 439261

Ion Ratio Lower Upper

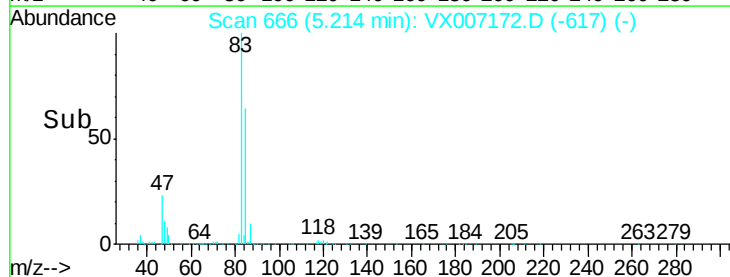
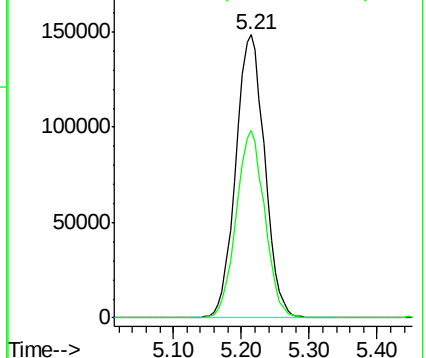
83 100

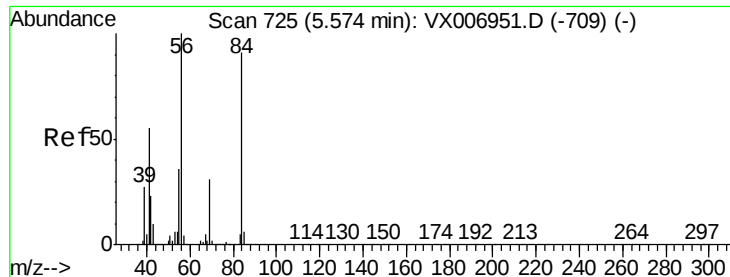
85 66.0 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

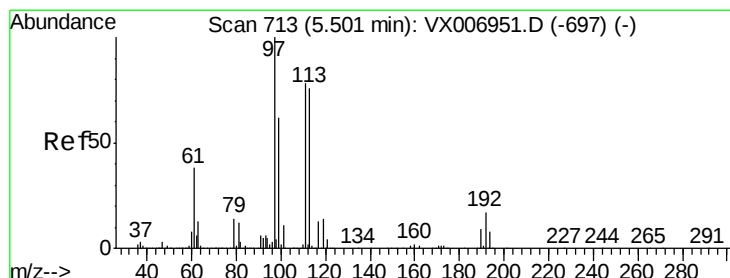
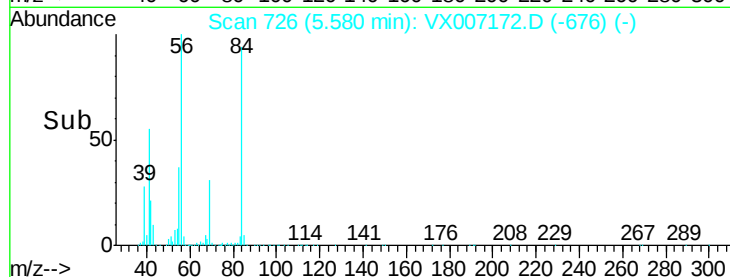
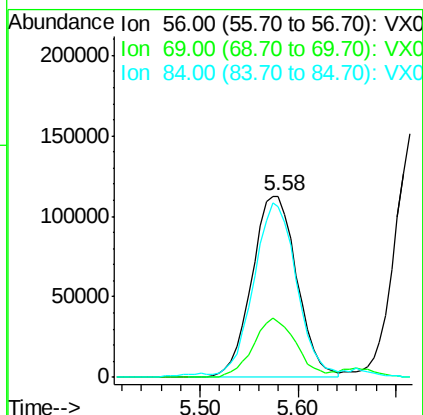
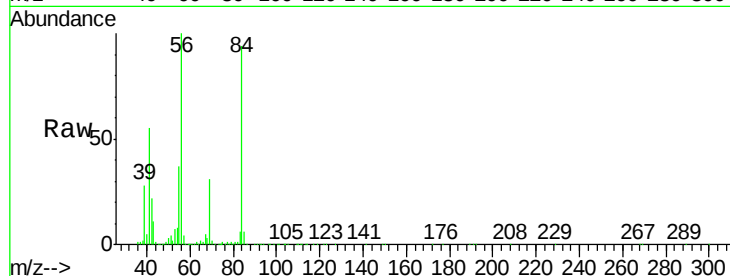




#31
Cvclohexane
Concen: 46.459 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

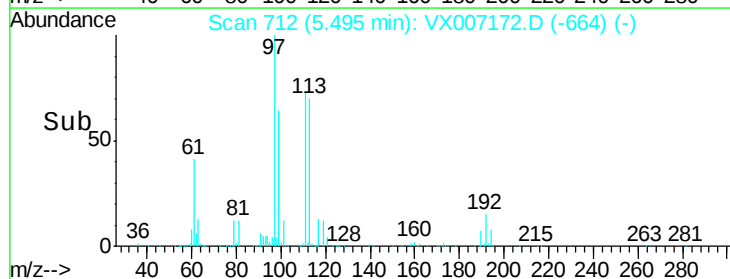
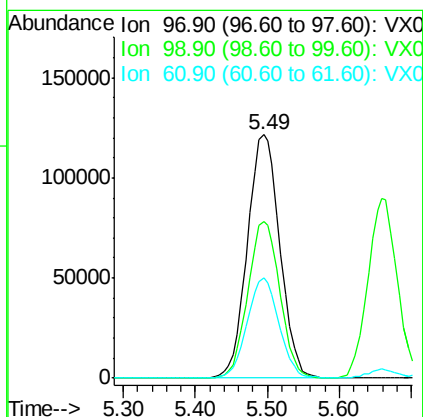
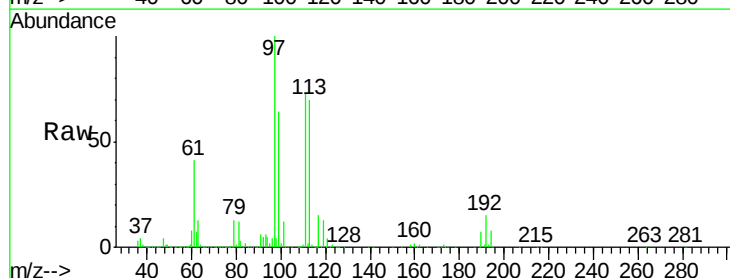
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

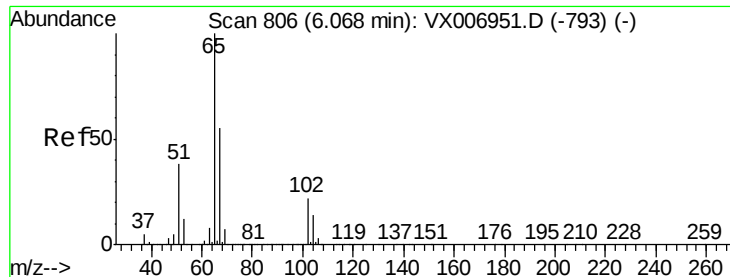
Tot Ion: 56 Resp: 360564
Ion Ratio Lower Upper
56 100
69 30.9 24.4 36.6
84 92.4 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 49.190 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Tgt Ion: 97 Resp: 380650
Ion Ratio Lower Upper
97 100
99 63.5 51.7 77.5
61 40.5 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 49.591 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

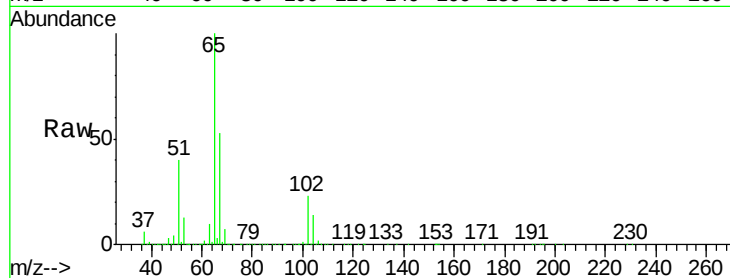
VSTDCCC050

Tot Ion: 65 Resp: 272927

Ion Ratio Lower Upper

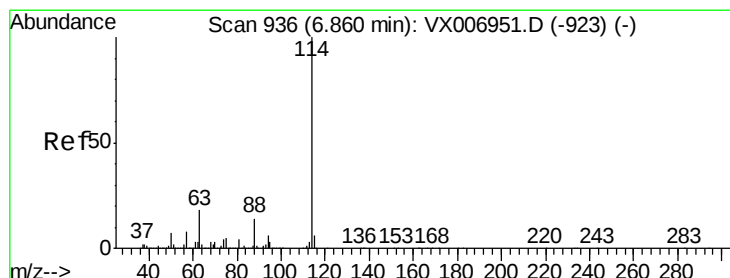
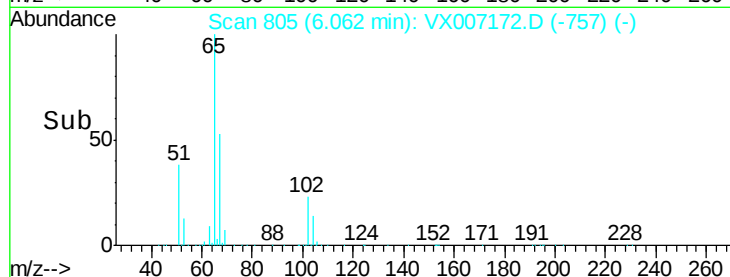
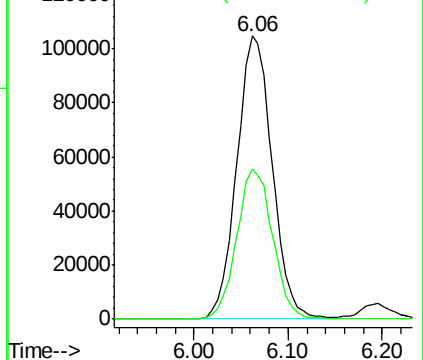
65 100

67 53.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

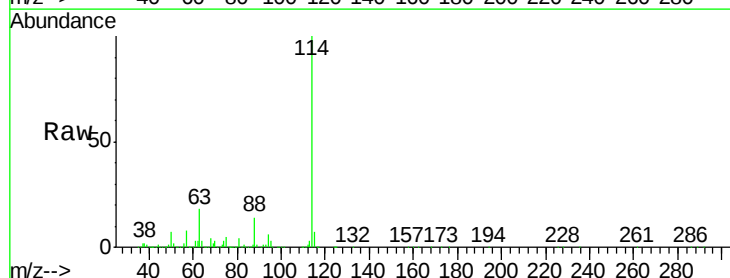
Tgt Ion: 114 Resp: 749493

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

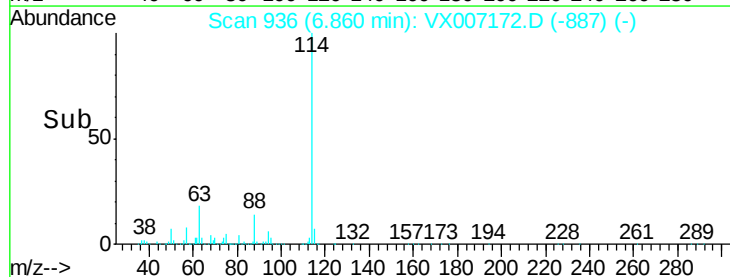
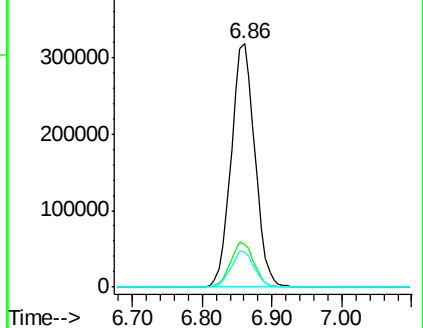
88 14.2 0.0 28.8

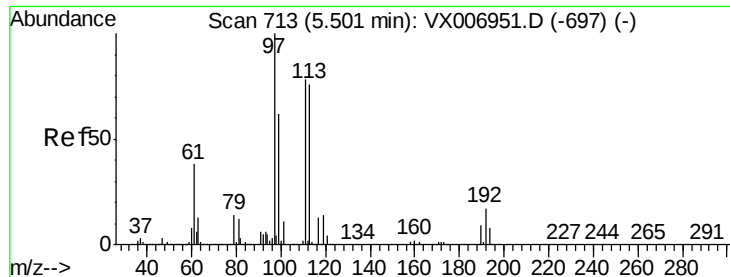


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.784 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

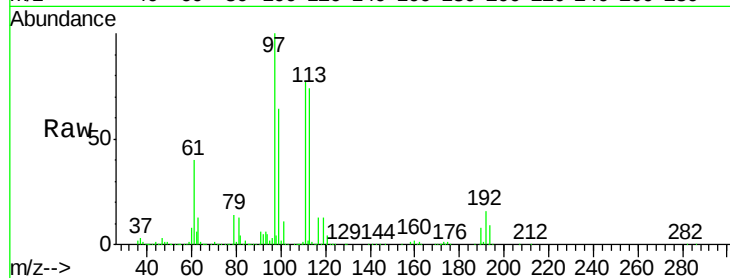
Tot Ion:113 Resp: 253349

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

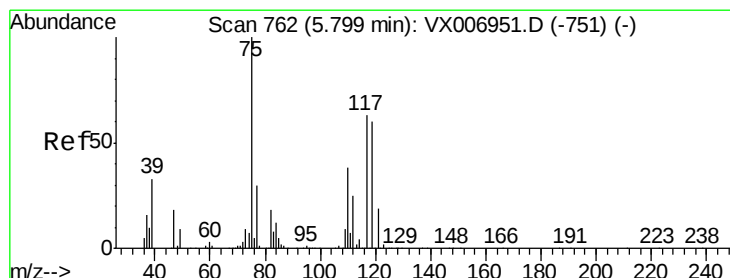
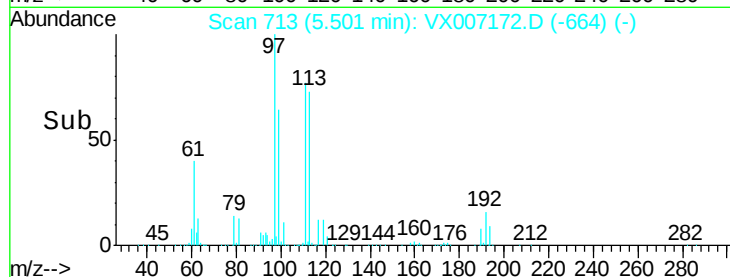
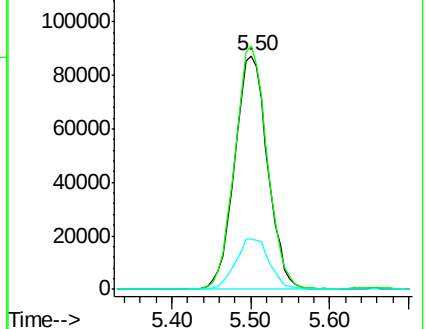
192 22.4 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.201 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

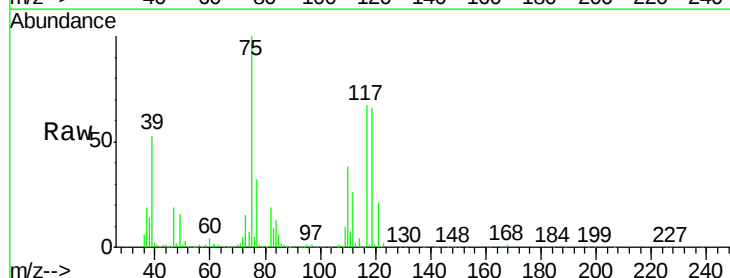
Tgt Ion: 75 Resp: 320606

Ion Ratio Lower Upper

75 100

110 39.4 20.2 60.5

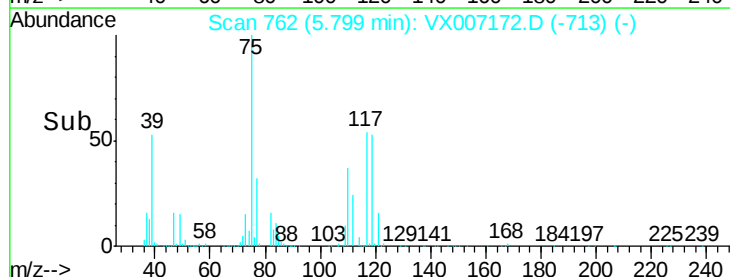
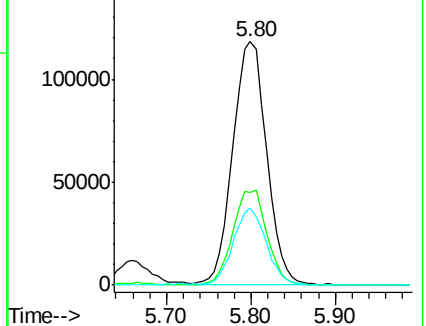
77 30.7 24.8 37.2

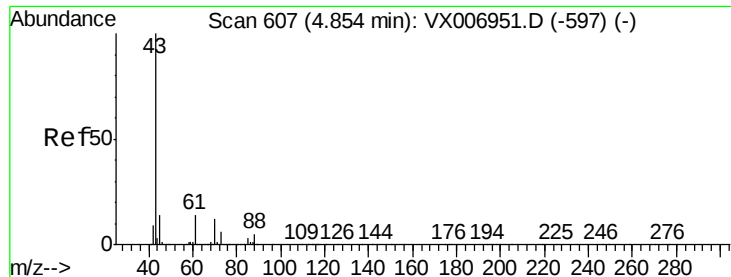


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

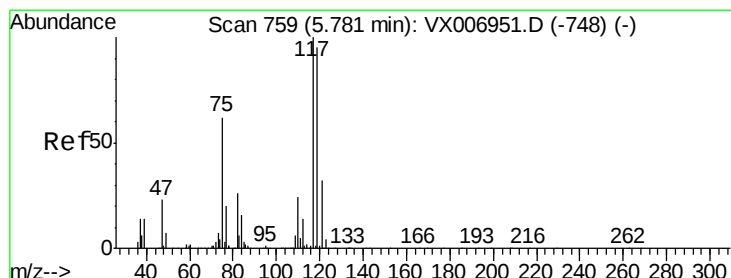
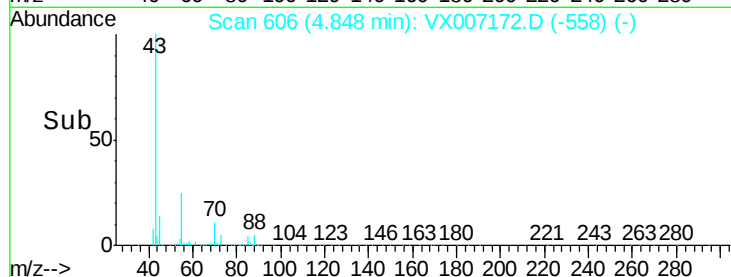
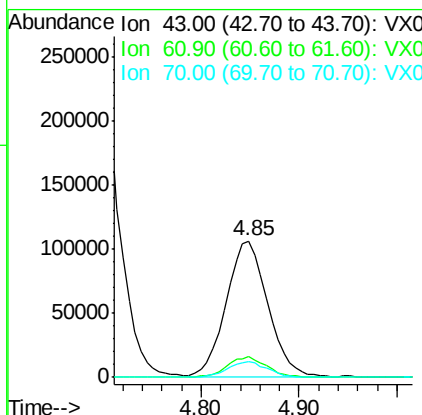
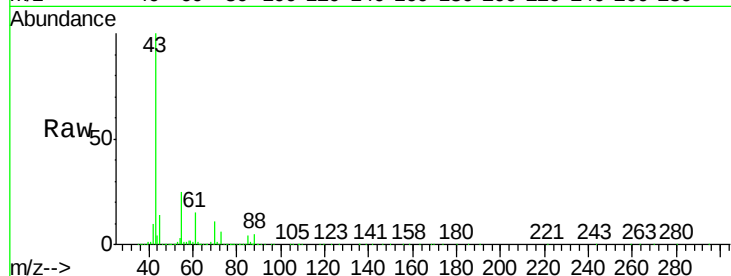




#37
Ethyl Acetate
Concen: 44.639 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

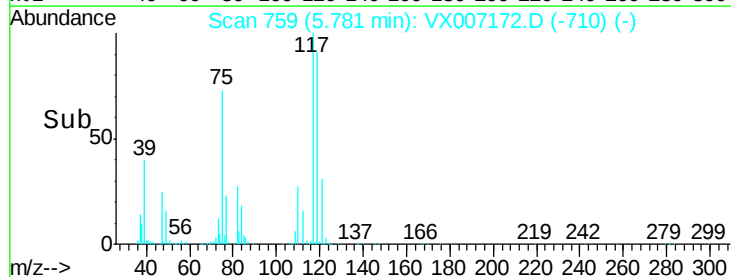
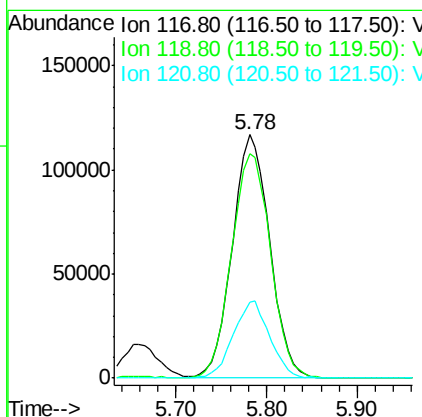
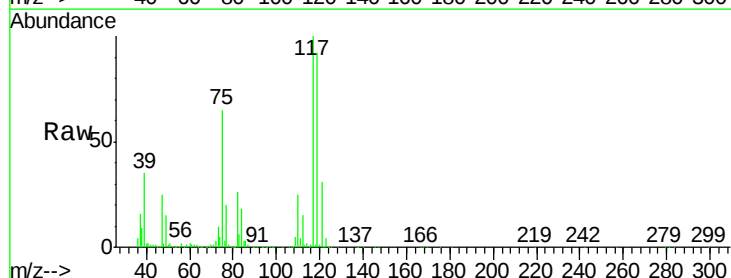
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

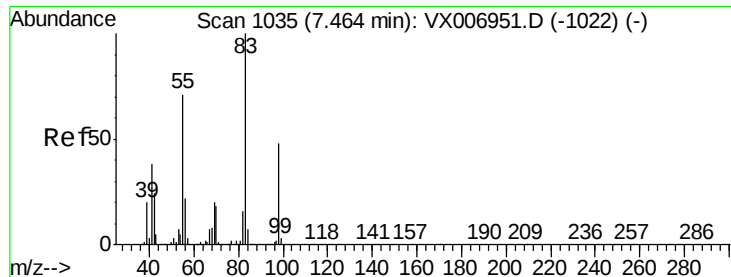
Tot Ion: 43 Resp: 311847
Ion Ratio Lower Upper
43 100
61 14.0 11.9 17.9
70 11.3 9.7 14.5



#38
Carbon Tetrachloride
Concen: 50.937 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Tgt Ion: 117 Resp: 333951
Ion Ratio Lower Upper
117 100
119 92.3 79.4 119.2
121 31.4 24.0 36.0

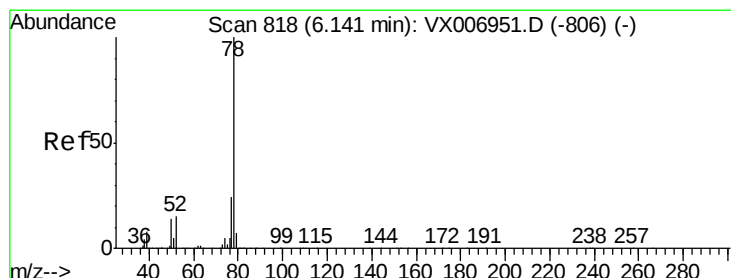
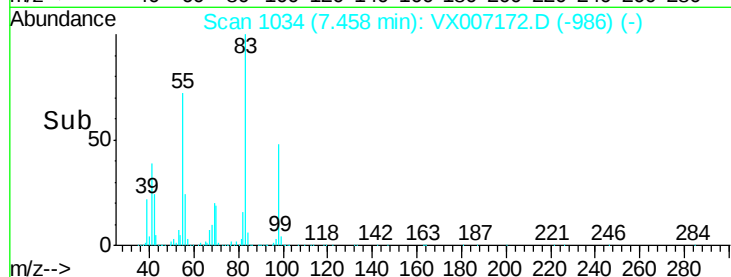
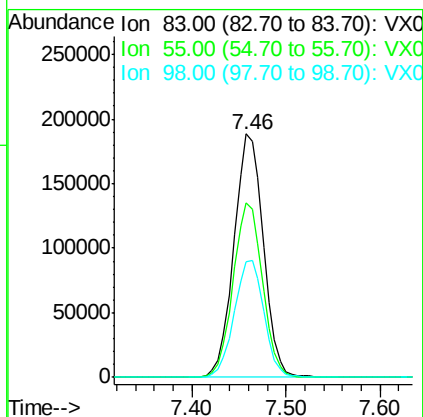
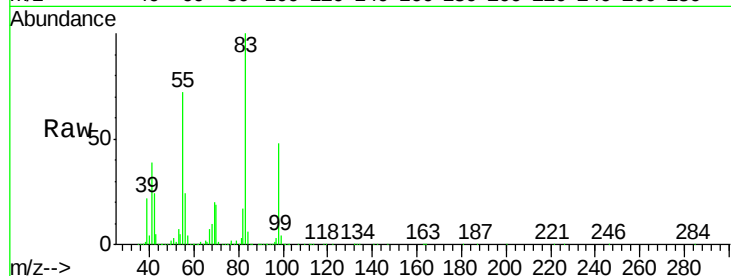




#39
Methvlcvclohexane
Concen: 49.367 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

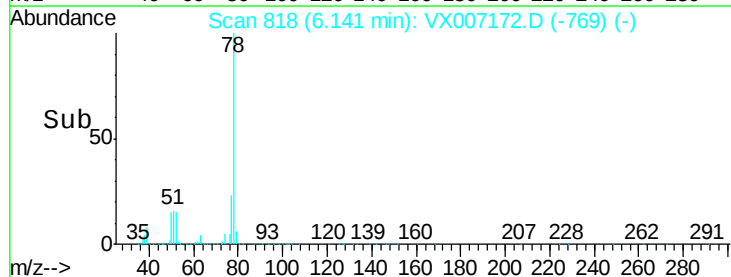
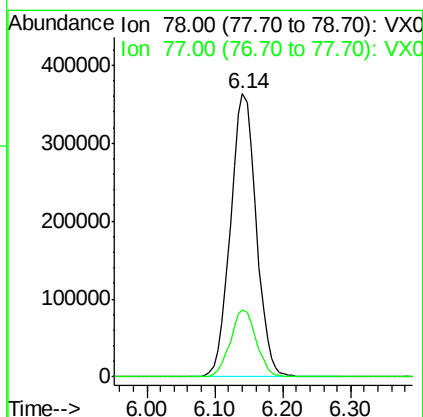
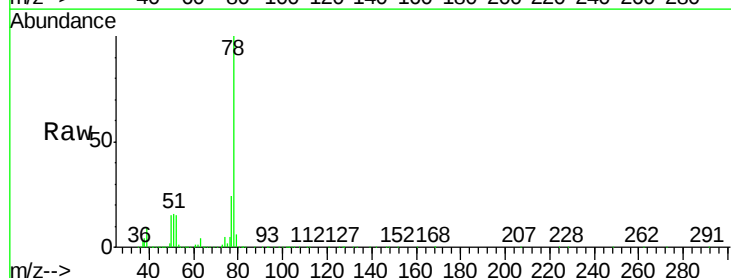
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

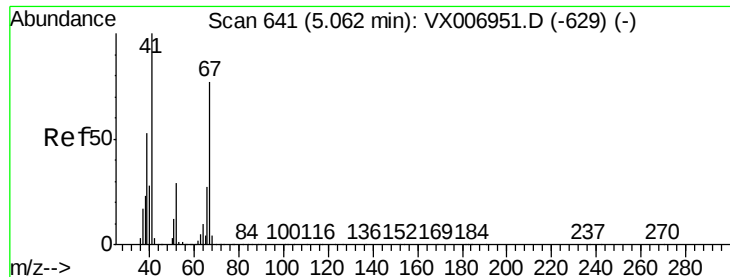
Tot Ion: 83 Resp: 410102
Ion Ratio Lower Upper
83 100
55 71.9 54.9 82.3
98 47.6 37.9 56.9



#40
Benzene
Concen: 48.044 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Tgt Ion: 78 Resp: 955255
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8





#41

Methacrylonitrile

Concen: 44.523 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 179181

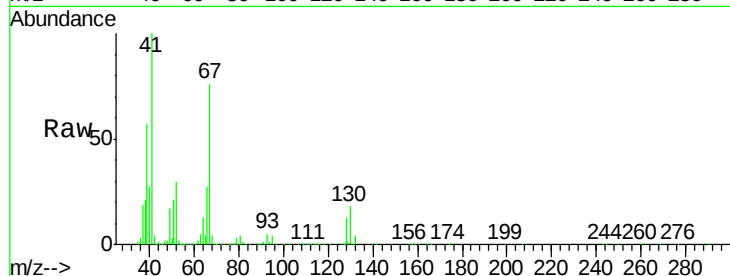
Ion Ratio Lower Upper

41 100

39 55.7 42.8 64.2

67 75.1 62.1 93.1

52 29.3 23.4 35.0

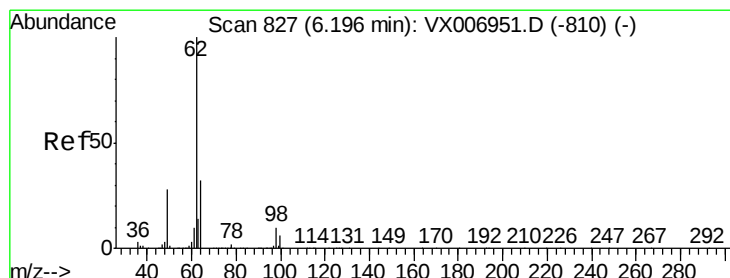
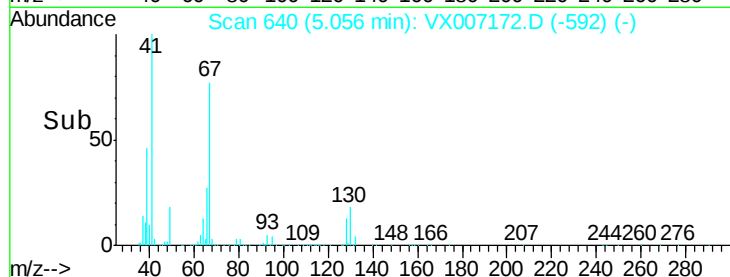
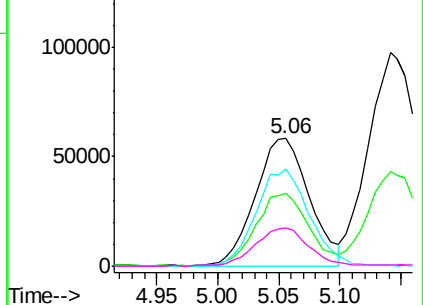


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 47.690 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX007172.D

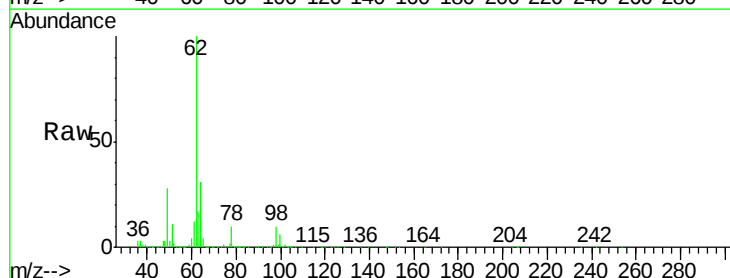
Acq: 22 Jan 2019 10:32

Tgt Ion: 62 Resp: 327669

Ion Ratio Lower Upper

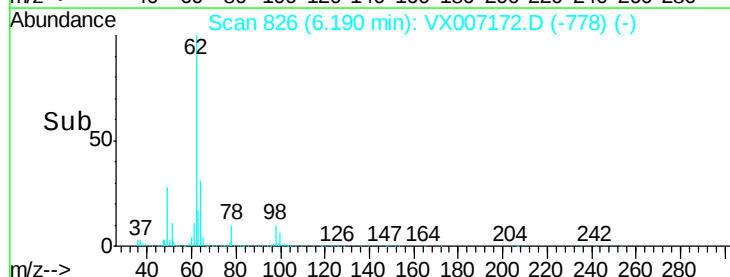
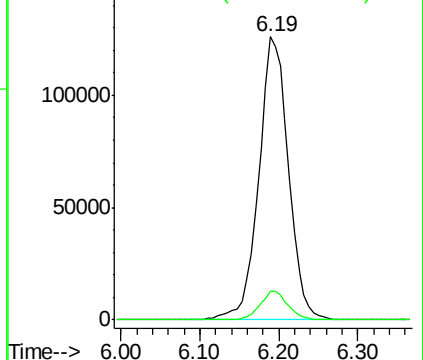
62 100

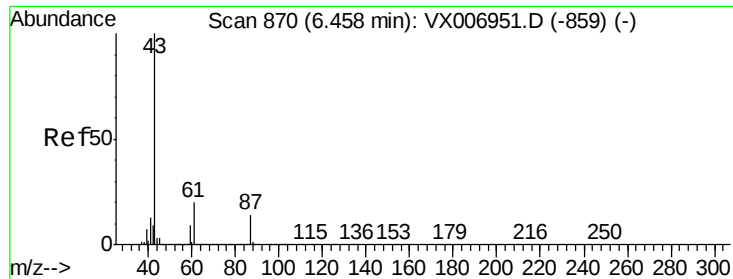
98 9.7 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 47.263 ug/l

RT: 6.45 min Scan# 869

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

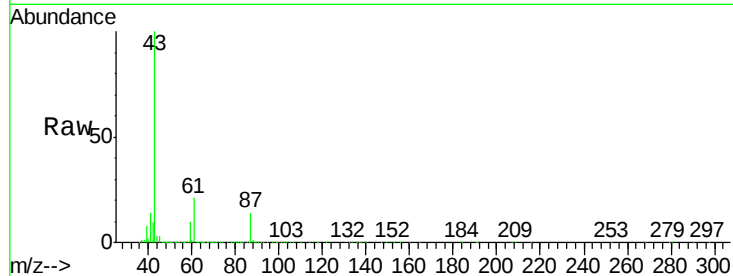
Tot Ion: 43 Resp: 520815

Ion Ratio Lower Upper

43 100

61 20.9 16.8 25.2

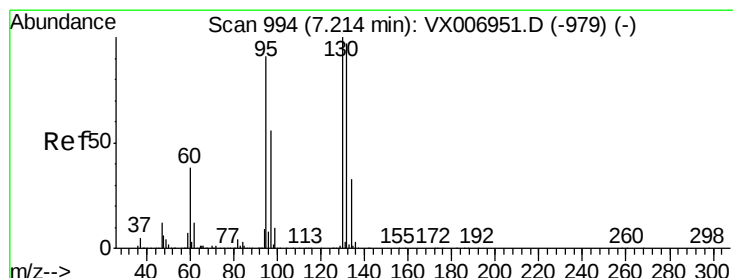
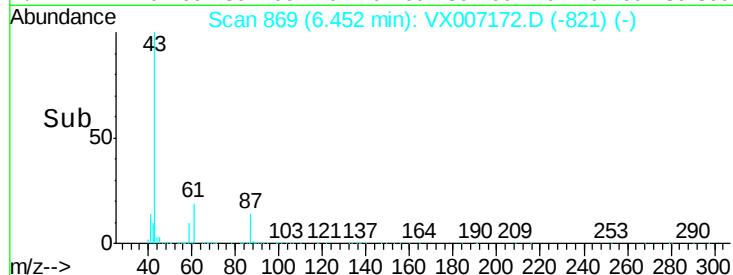
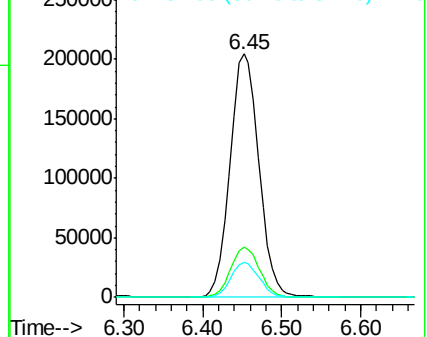
87 14.2 12.4 18.6



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: 48.448 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007172.D

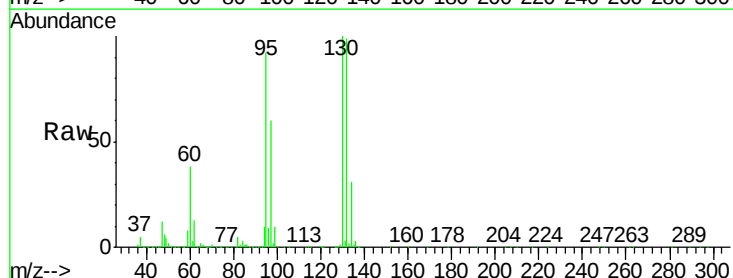
Acq: 22 Jan 2019 10:32

Tgt Ion:130 Resp: 288662

Ion Ratio Lower Upper

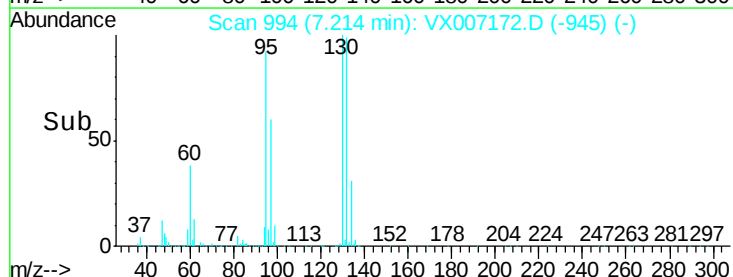
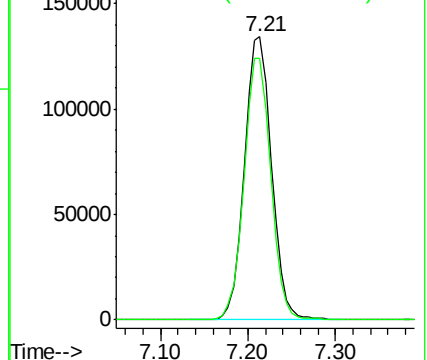
130 100

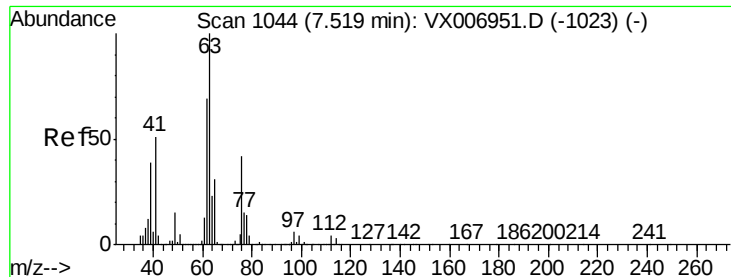
95 92.4 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 50.094 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

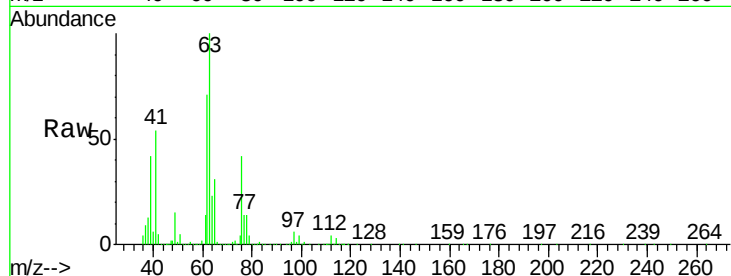
VSTDCCC050

Tot Ion: 63 Resp: 250401

Ion Ratio Lower Upper

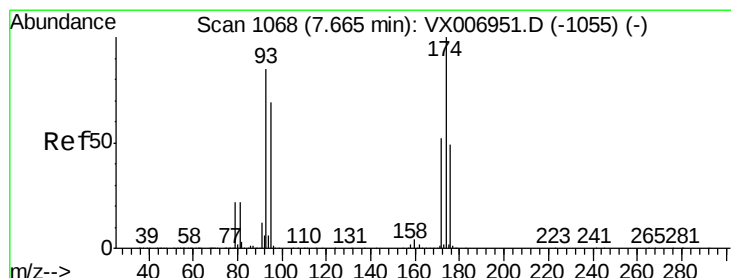
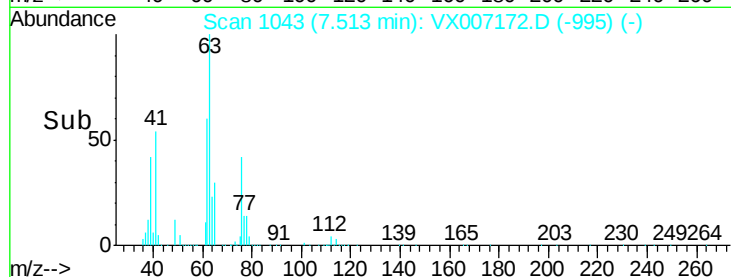
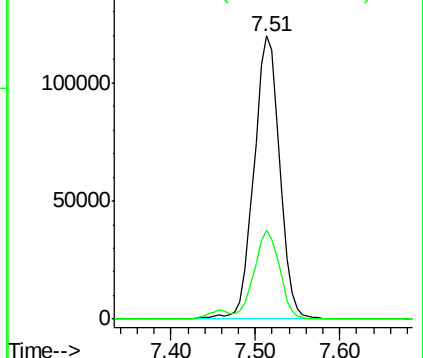
63 100

65 31.2 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.529 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

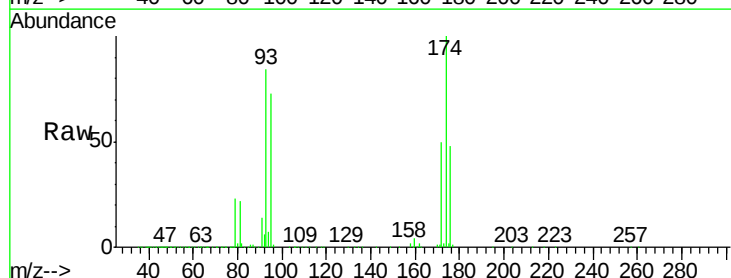
Tgt Ion: 93 Resp: 173999

Ion Ratio Lower Upper

93 100

95 83.7 66.2 99.4

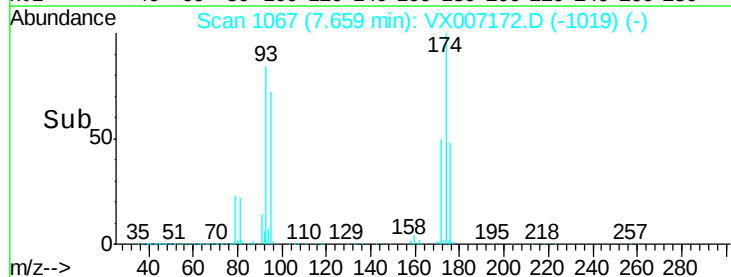
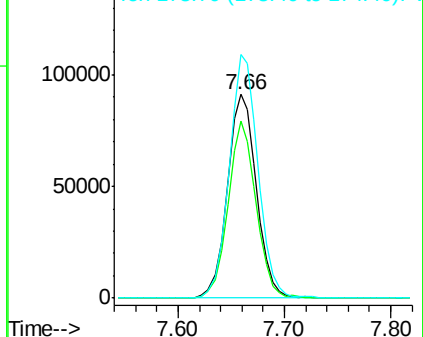
174 118.6 91.0 136.4

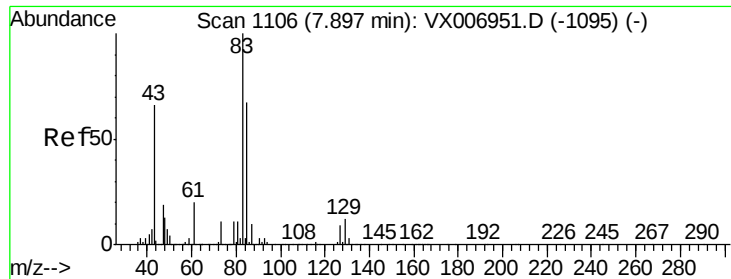


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.822 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

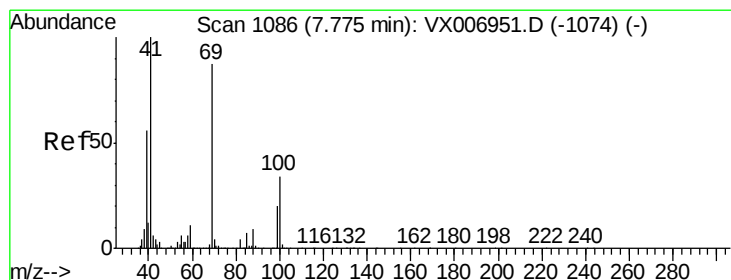
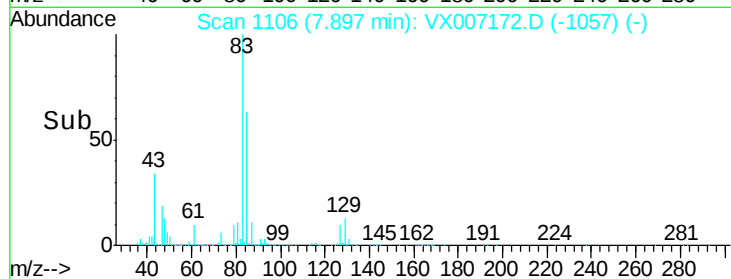
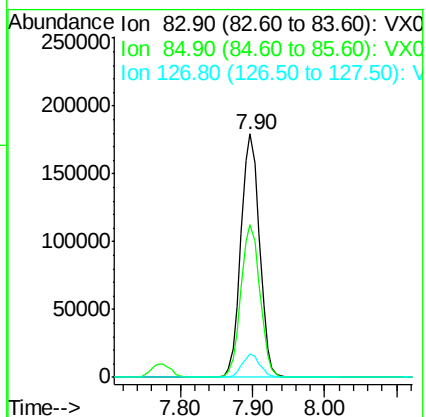
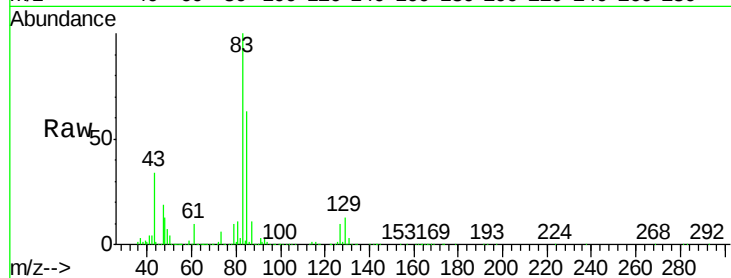
Tot Ion: 83 Resp: 321842

Ion Ratio Lower Upper

83 100

85 62.8 53.2 79.8

127 9.6 7.8 11.6



#48

Methyl methacrylate

Concen: 47.439 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

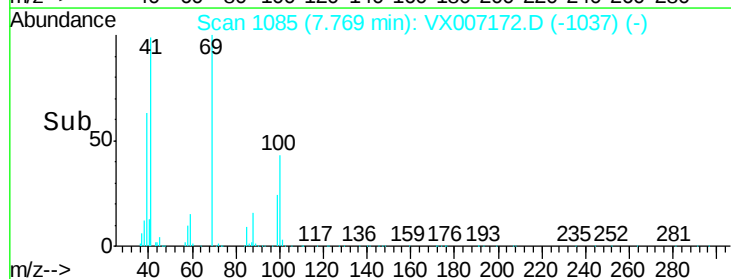
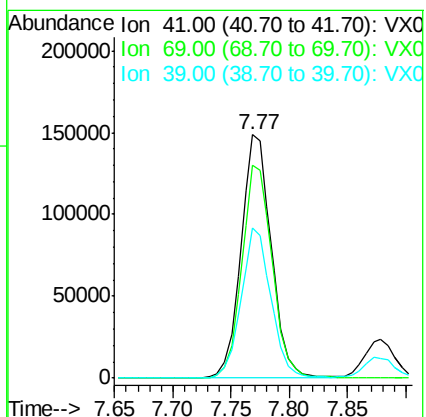
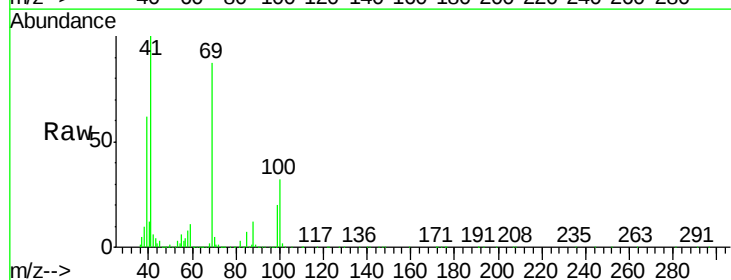
Tgt Ion: 41 Resp: 268454

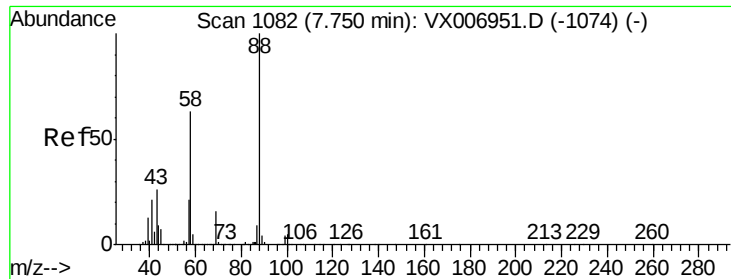
Ion Ratio Lower Upper

41 100

69 88.1 72.4 108.6

39 60.4 45.8 68.8





#49

1,4-Dioxane

Concen: 857.855 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

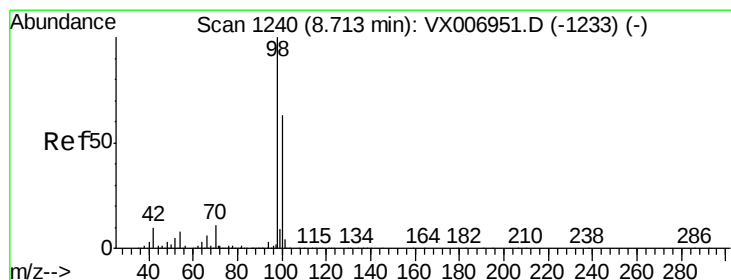
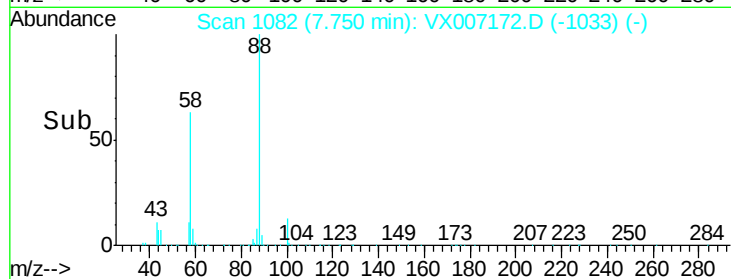
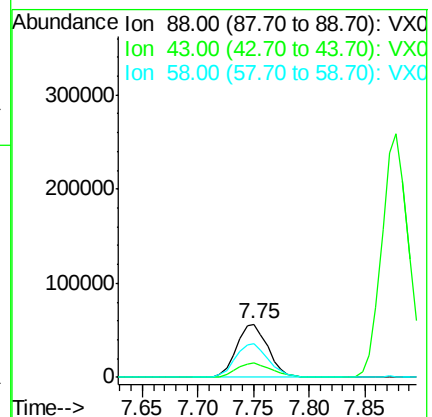
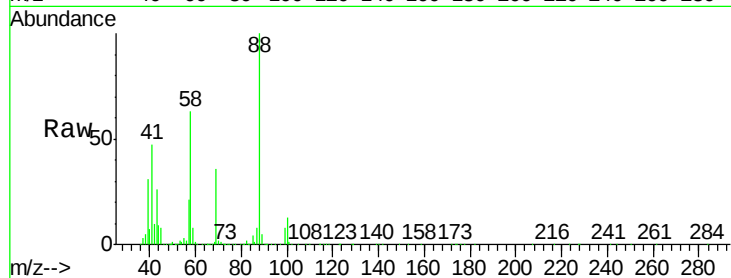
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 111020

Ion	Ratio	Lower	Upper
88	100		
43	31.4	22.2	33.4
58	66.1	51.0	76.4



#50

Toluene-d8

Concen: 53.296 ug/l

RT: 8.71 min Scan# 1240

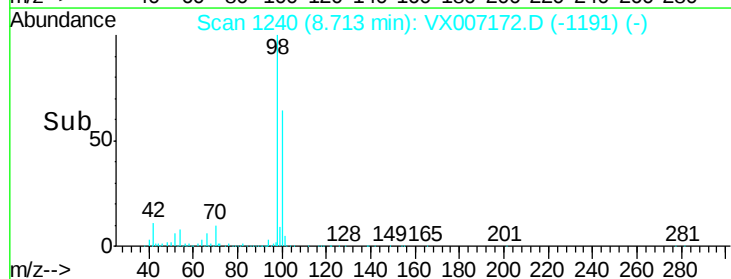
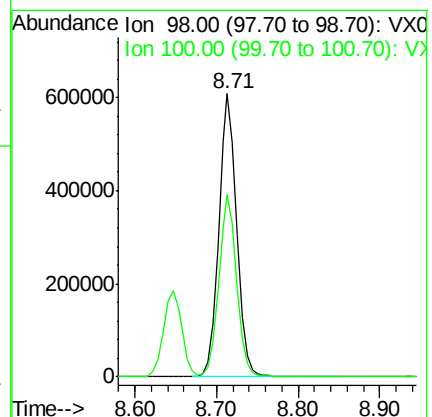
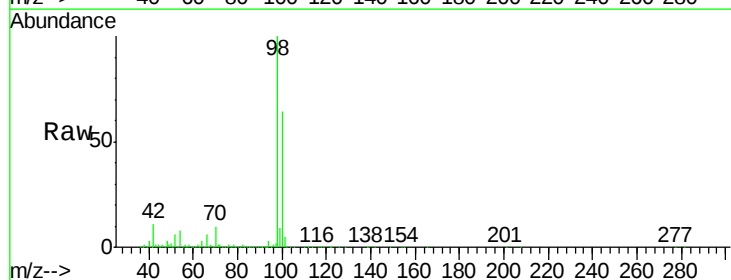
Delta R.T. 0.00 min

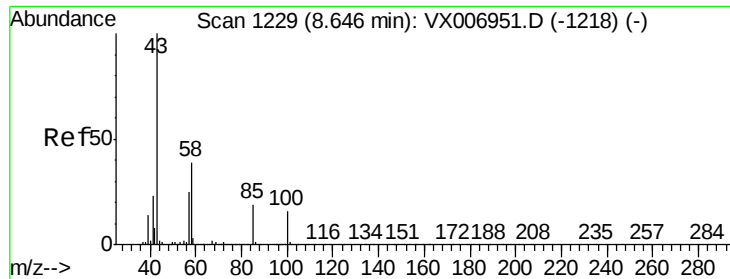
Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Tgt Ion: 98 Resp: 936325

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 244.780 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

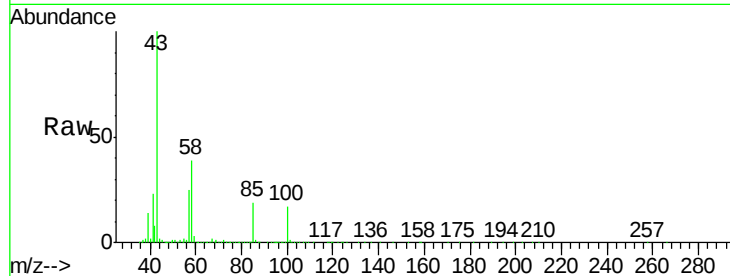
VSTDCCC050

Tot Ion: 43 Resp: 1733470

Ion Ratio Lower Upper

43 100

58 38.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200000

1000000

800000

600000

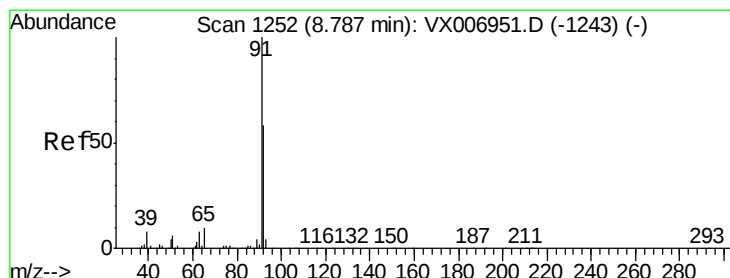
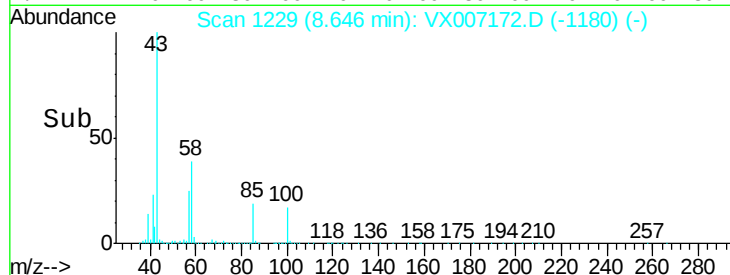
400000

200000

0

8.60 8.65 8.70 8.80

Time-->



#52

Toluene

Concen: 49.526 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007172.D

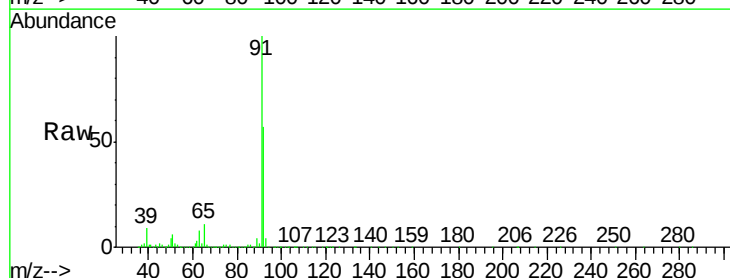
Acq: 22 Jan 2019 10:32

Tgt Ion: 92 Resp: 632912

Ion Ratio Lower Upper

92 100

91 174.1 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

800000

600000

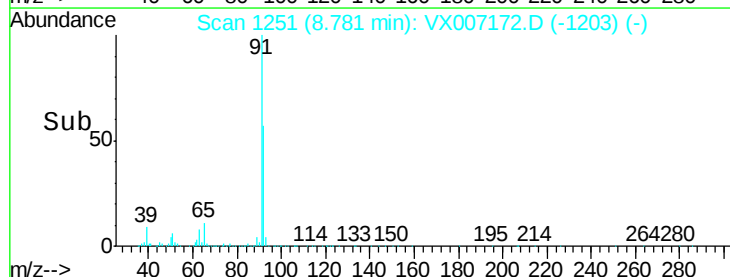
400000

200000

0

8.70 8.78 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.492 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampled :

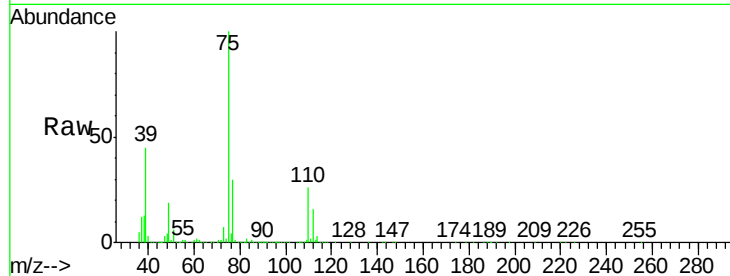
VSTDCCC050

Tot Ion: 75 Resp: 361325

Ion Ratio Lower Upper

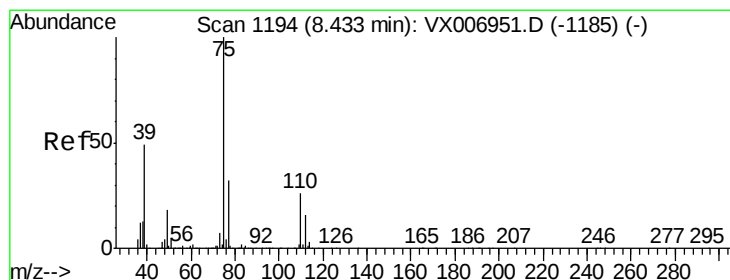
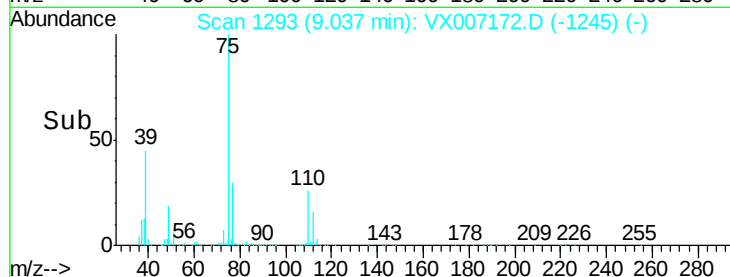
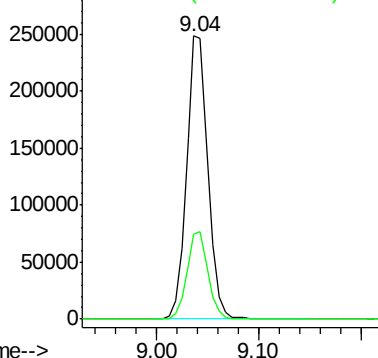
75 100

77 29.9 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 53.262 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

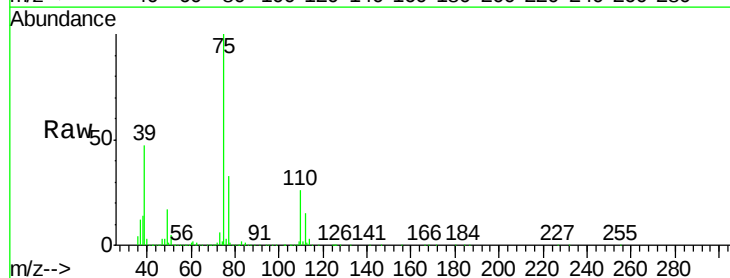
Tgt Ion: 75 Resp: 390020

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2

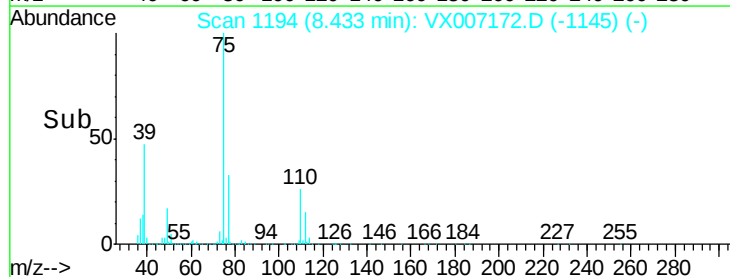
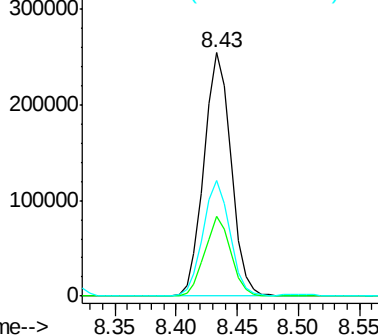
39 47.3 36.7 55.1

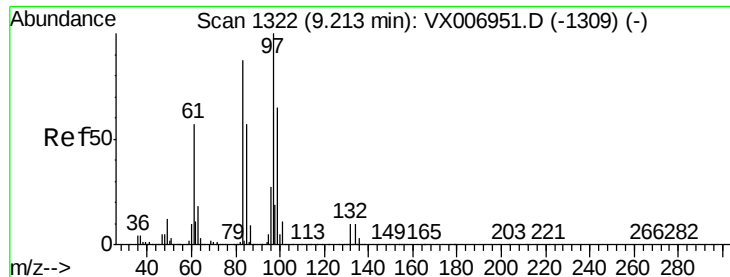


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 51.667 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 264284

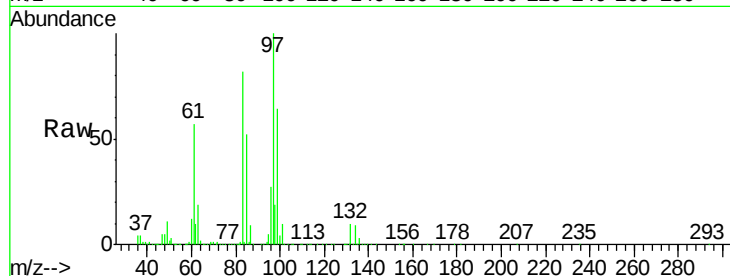
Ion Ratio Lower Upper

97 100

83 82.1 66.6 99.8

85 52.5 42.7 64.1

99 63.9 50.8 76.2

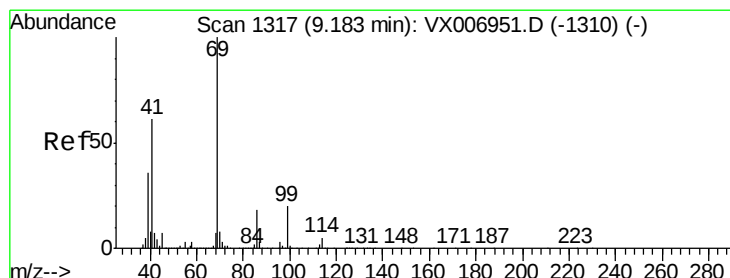
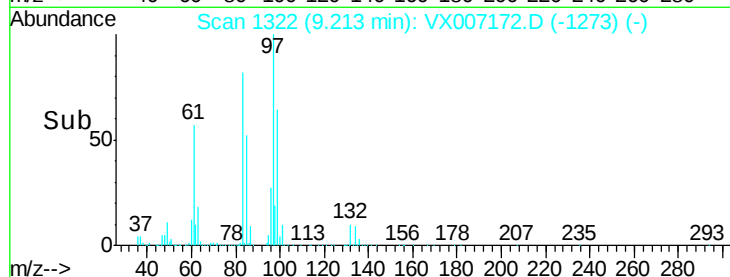
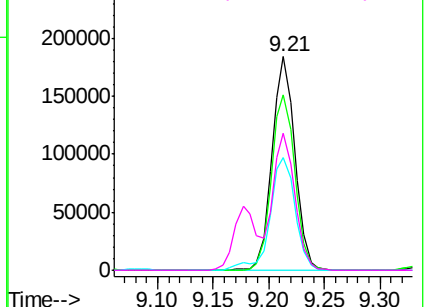


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 52.256 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

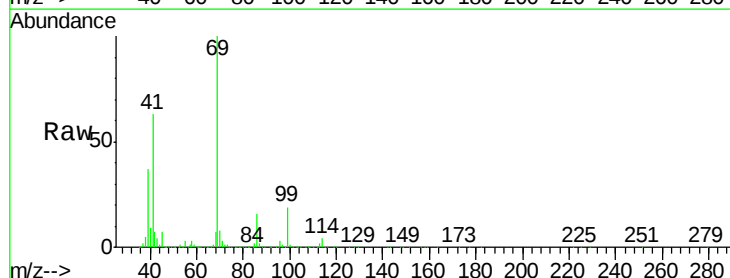
Tgt Ion: 69 Resp: 390220

Ion Ratio Lower Upper

69 100

41 64.0 48.7 73.1

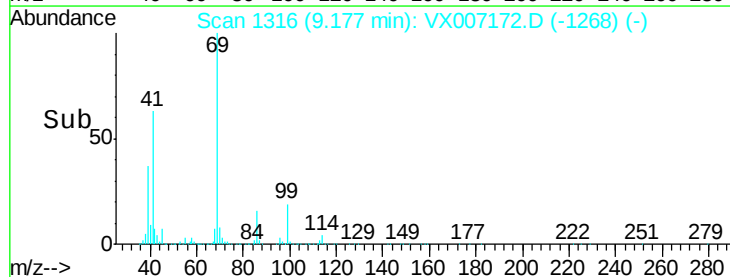
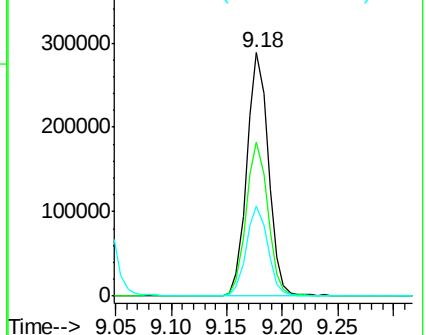
39 36.9 27.0 40.6

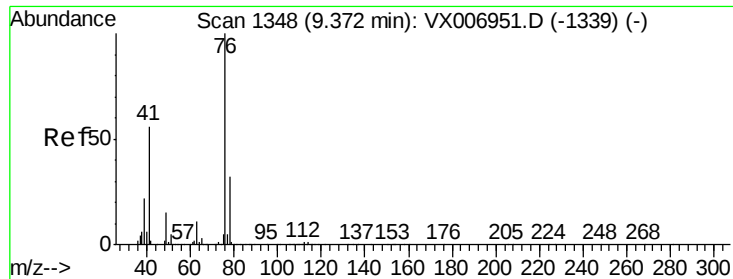


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.819 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

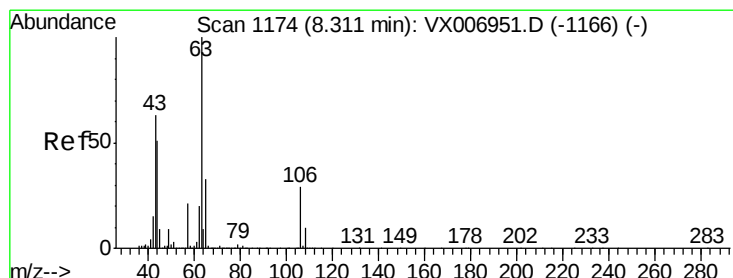
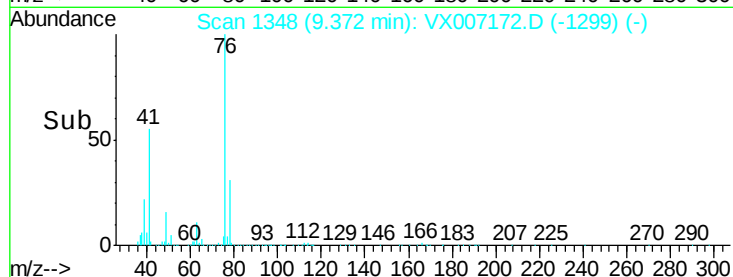
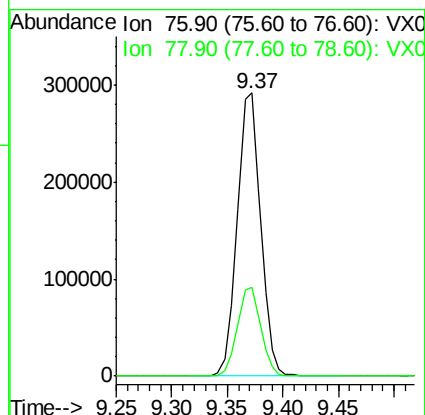
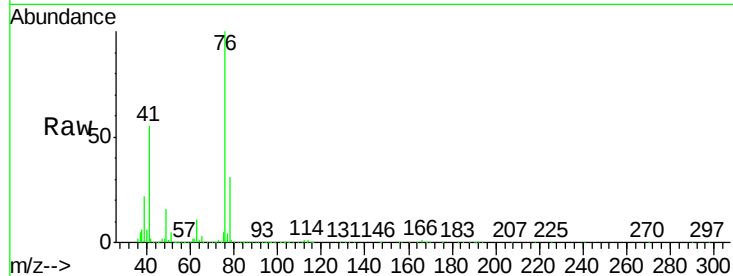
VSTDCCC050

Tot Ion: 76 Resp: 425866

Ion Ratio Lower Upper

76 100

78 31.3 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 325.493 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007172.D

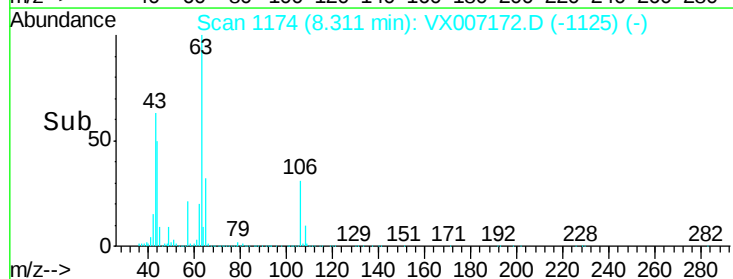
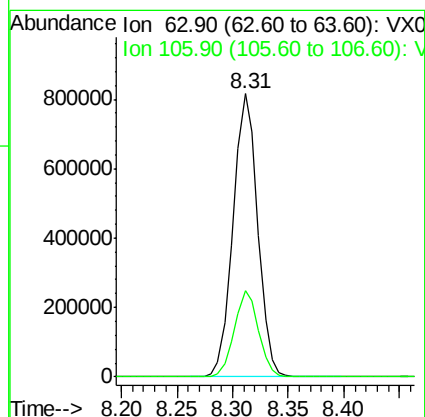
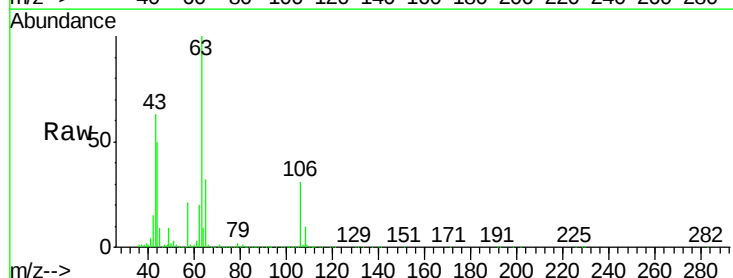
Acq: 22 Jan 2019 10:32

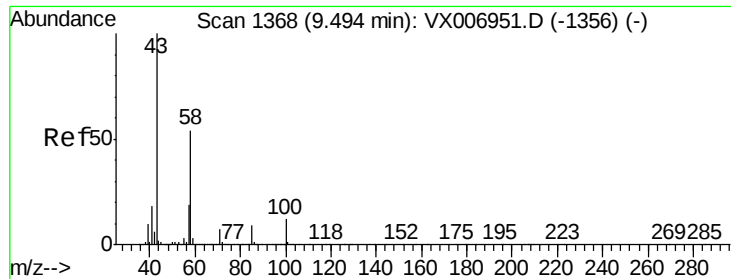
Tgt Ion: 63 Resp: 1249712

Ion Ratio Lower Upper

63 100

106 30.0 24.6 36.8

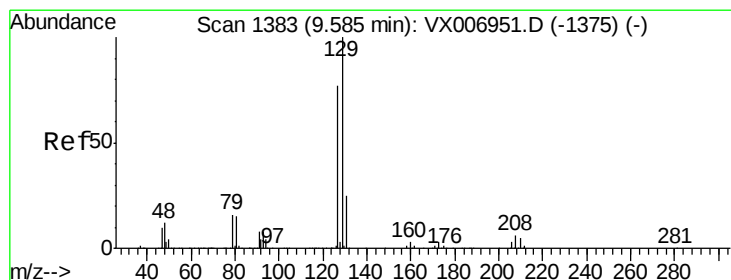
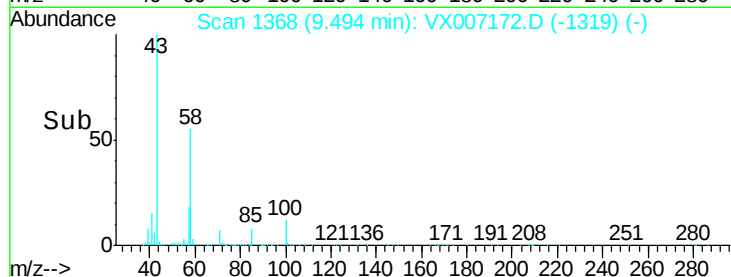
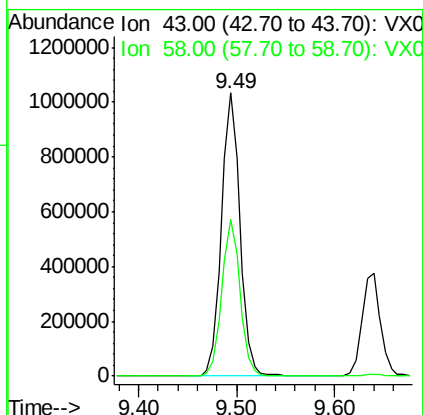
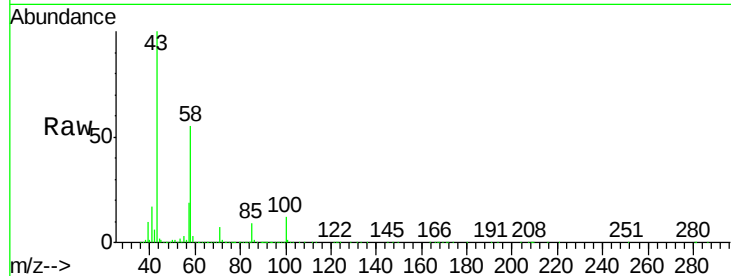




#59
2-Hexanone
Concen: 252.330 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

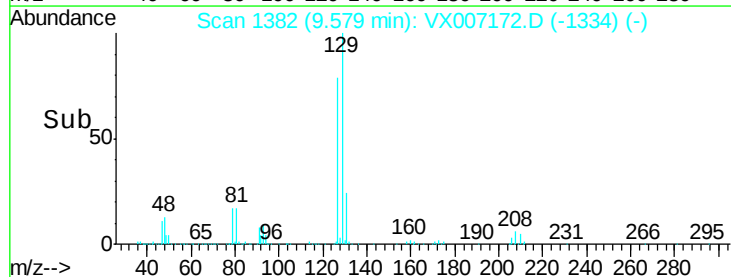
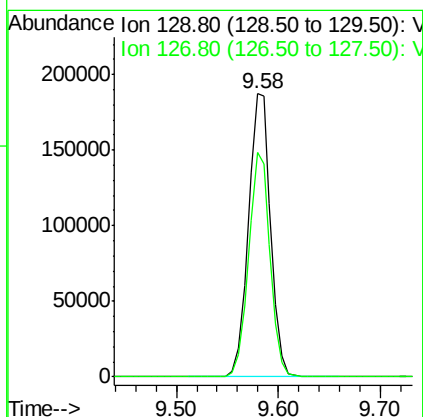
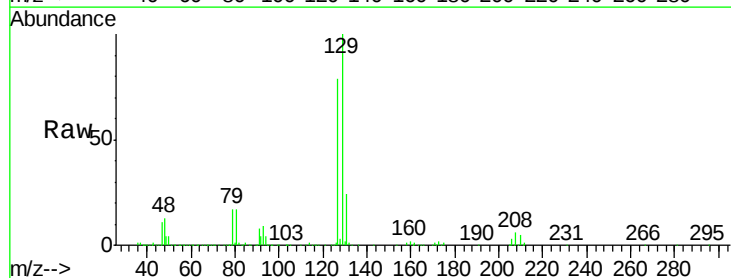
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

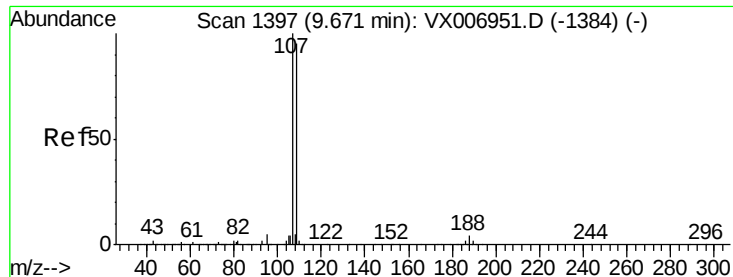
Tot Ion: 43 Resp: 1361748
Ion Ratio Lower Upper
43 100
58 54.7 27.7 83.1



#60
Dibromochloromethane
Concen: 56.944 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Tgt Ion: 129 Resp: 282840
Ion Ratio Lower Upper
129 100
127 76.9 39.3 117.8





#61

1,2-Dibromoethane

Concen: 49.517 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

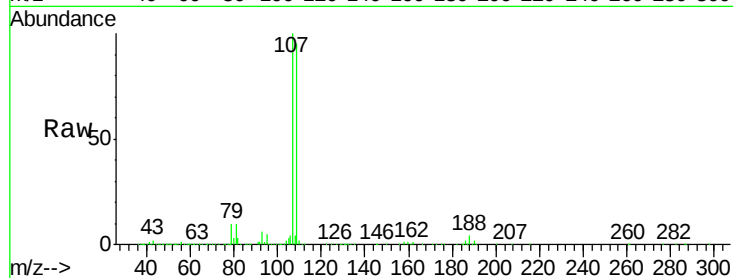
VSTDCCC050

Tot Ion:107 Resp: 278842

Ion Ratio Lower Upper

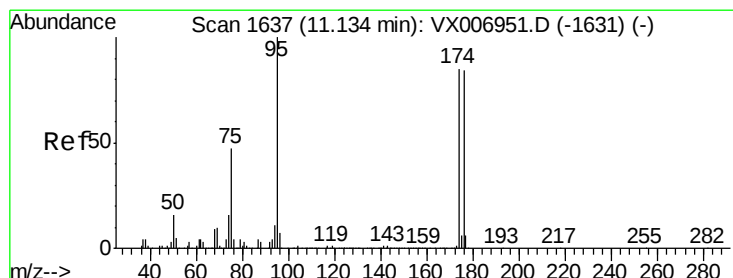
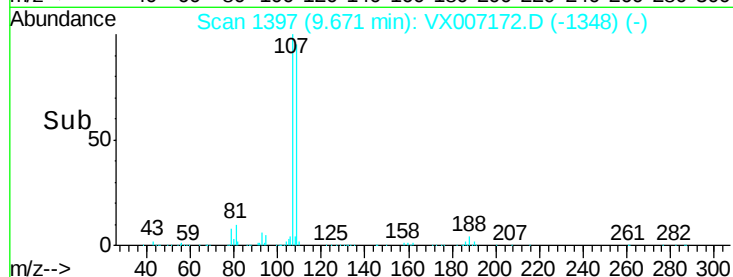
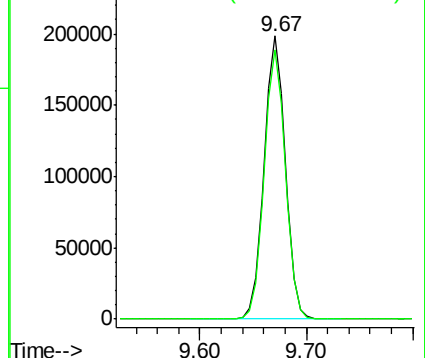
107 100

109 95.1 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 59.151 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

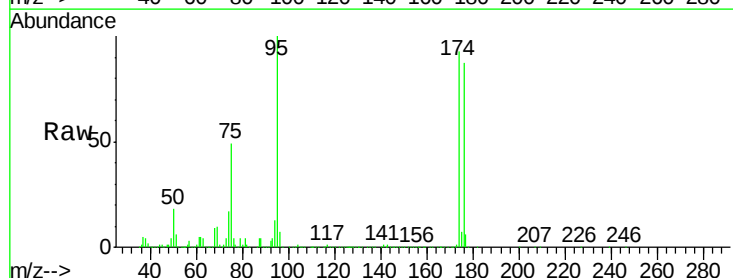
Tgt Ion: 95 Resp: 362288

Ion Ratio Lower Upper

95 100

174 95.9 0.0 182.2

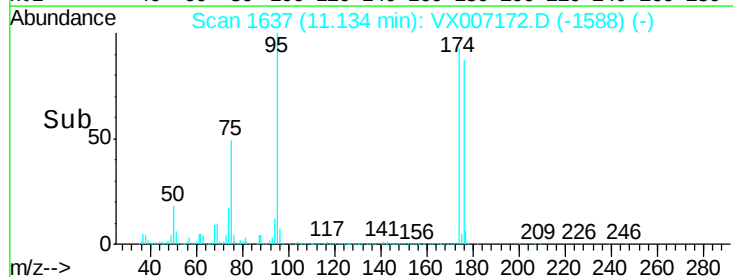
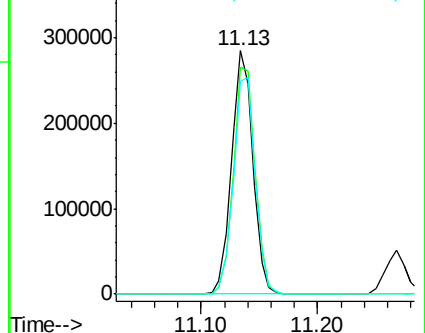
176 91.7 0.0 178.8

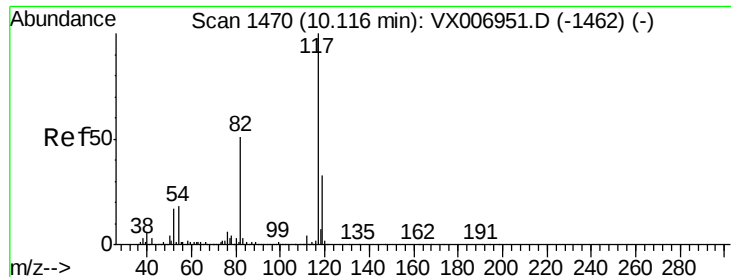


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

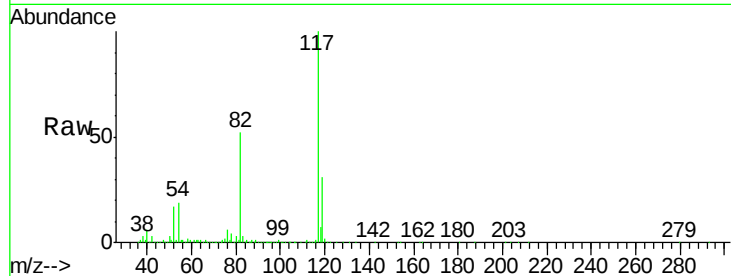
Tot Ion:117 Resp: 700432

Ion Ratio Lower Upper

117 100

82 51.5 41.0 61.6

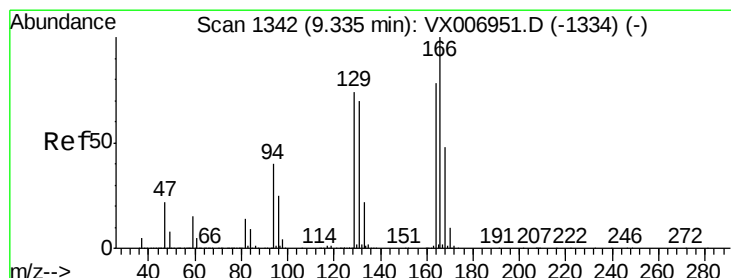
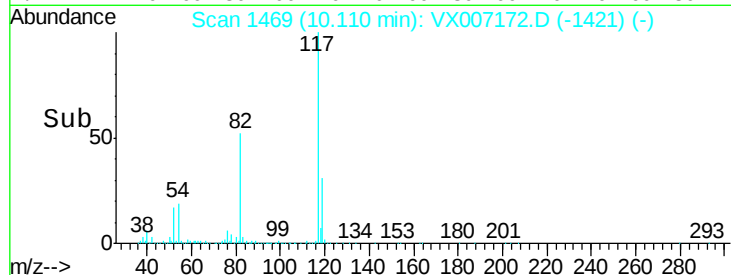
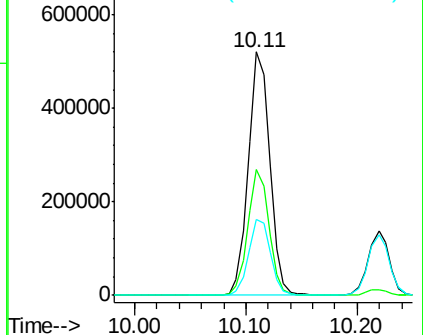
119 31.3 25.4 38.0



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: 49.881 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Tgt Ion:164 Resp: 302488

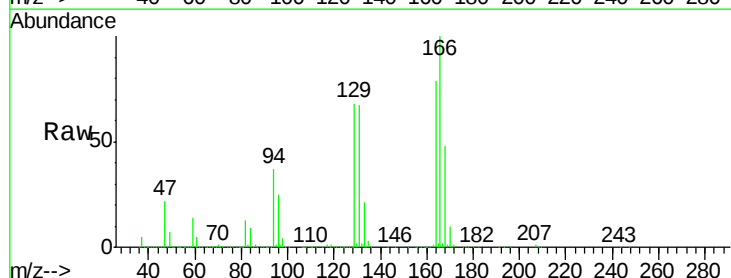
Ion Ratio Lower Upper

164 100

166 126.4 102.5 153.7

129 86.5 75.1 112.7

131 84.4 72.7 109.1

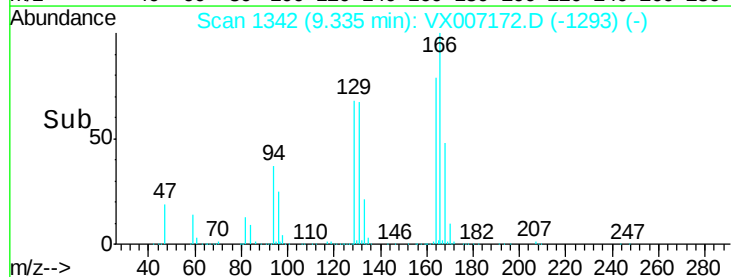
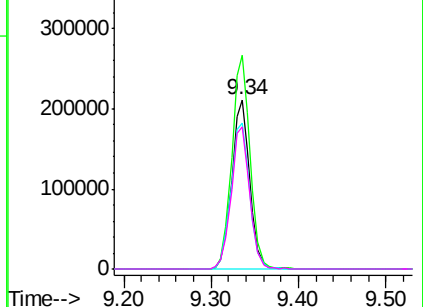


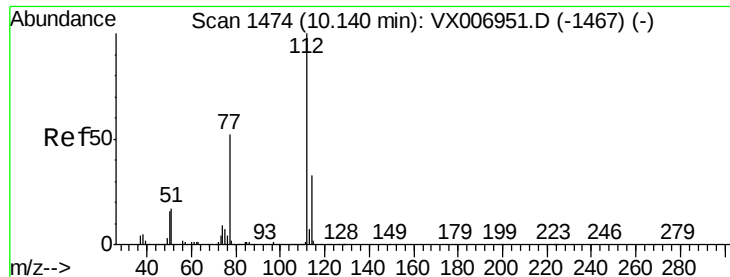
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

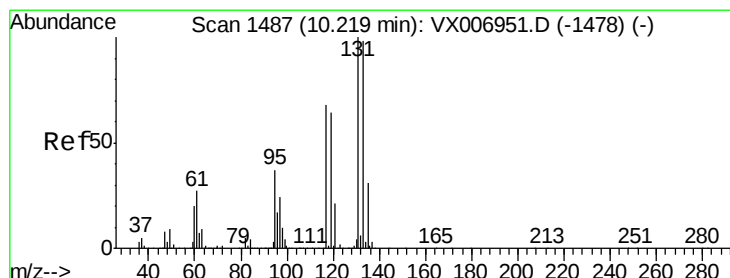
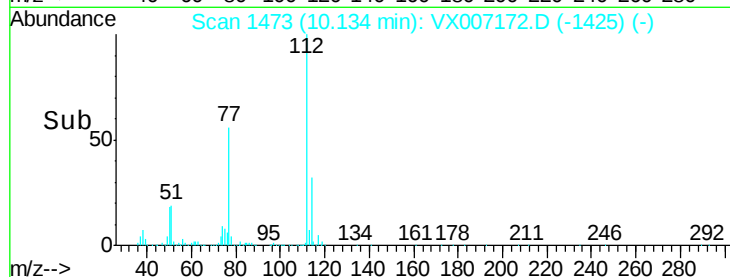
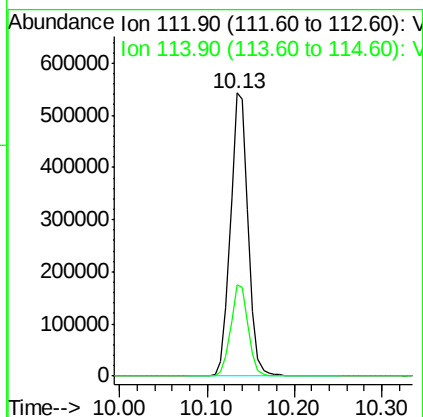
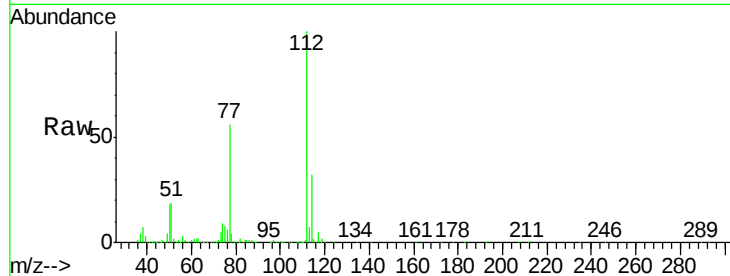




#65
Chlorobenzene
Concen: 49.923 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

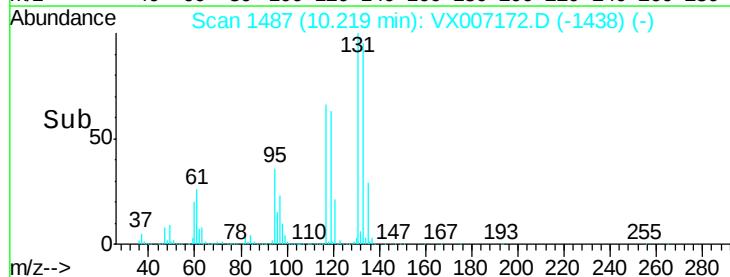
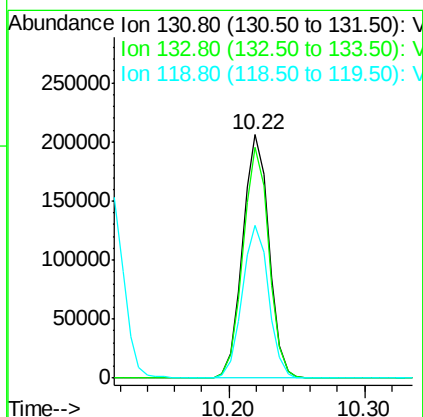
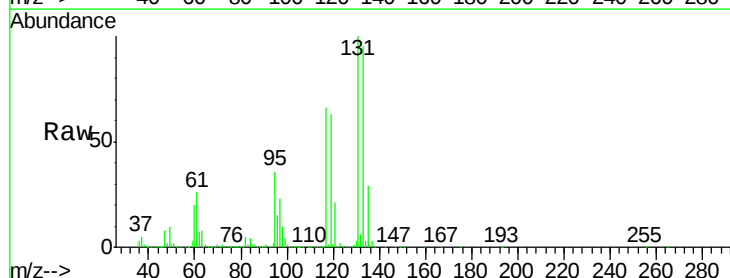
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

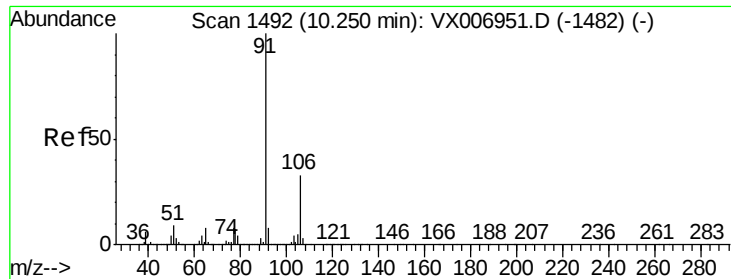
Tot Ion:112 Resp: 762660
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 54.071 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Tgt Ion:131 Resp: 277877
Ion Ratio Lower Upper
131 100
133 93.7 48.0 144.2
119 63.0 32.6 97.8





#67

Ethyl Benzene

Concen: 50.199 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

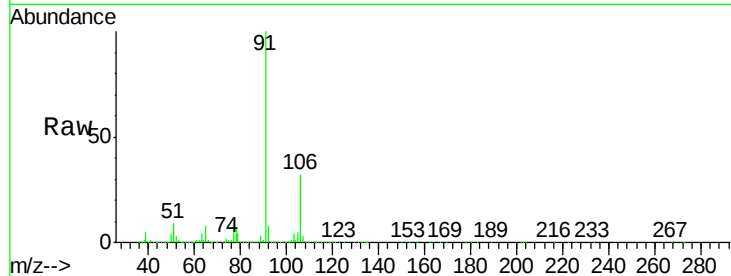
VSTDCCC050

Tot Ion: 91 Resp: 1266034

Ion Ratio Lower Upper

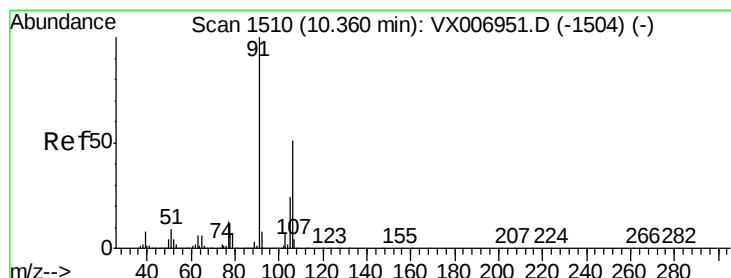
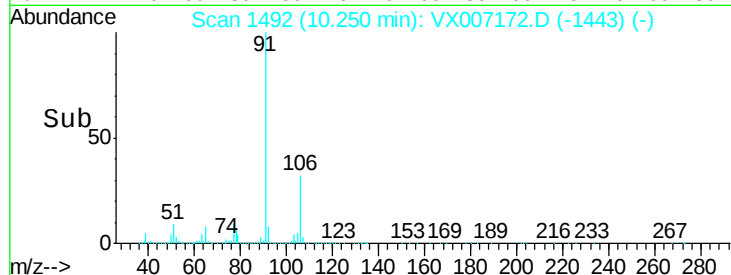
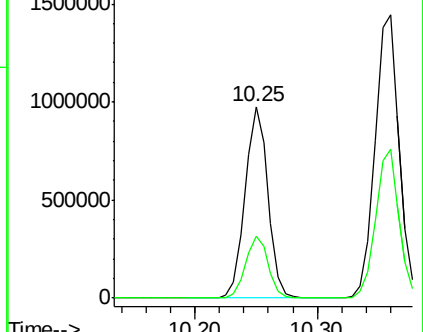
91 100

106 32.4 26.4 39.6



Abundance Ion 91.00 (90.70 to 91.70): VX006951.D (-1482) (-)

Ion 106.00 (105.70 to 106.70): VX006951.D (-1482) (-)



#68

m/p-Xylenes

Concen: 101.861 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007172.D

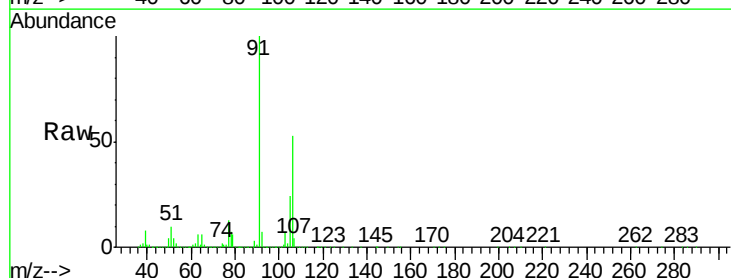
Acq: 22 Jan 2019 10:32

Tgt Ion: 106 Resp: 1012121

Ion Ratio Lower Upper

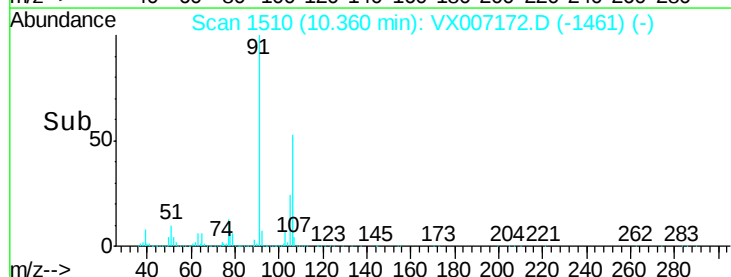
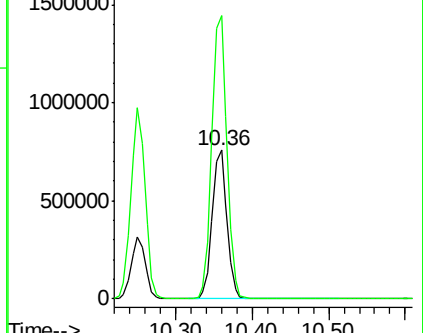
106 100

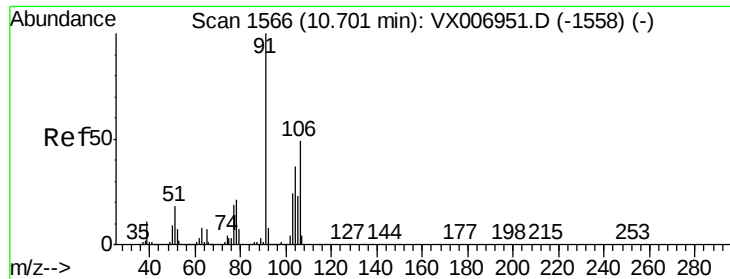
91 195.6 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): VX006951.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX006951.D (-1504) (-)

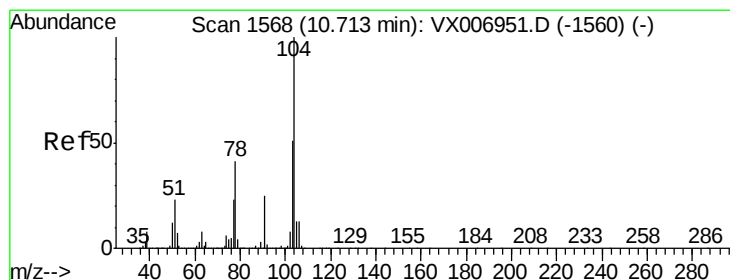
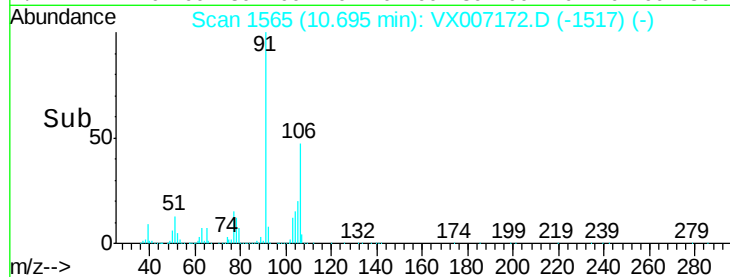
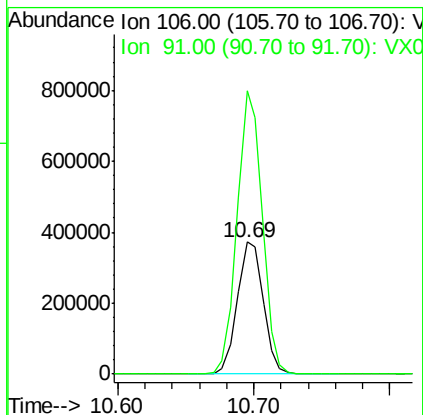
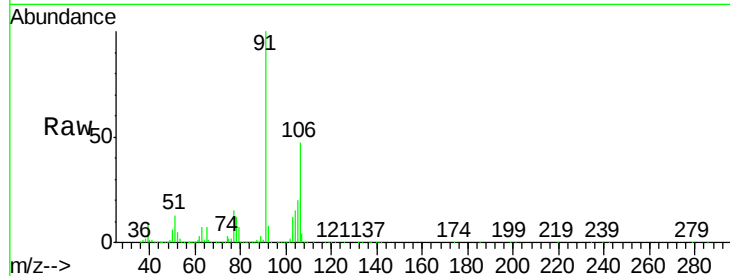




#69
o-Xylene
Concen: 50.882 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

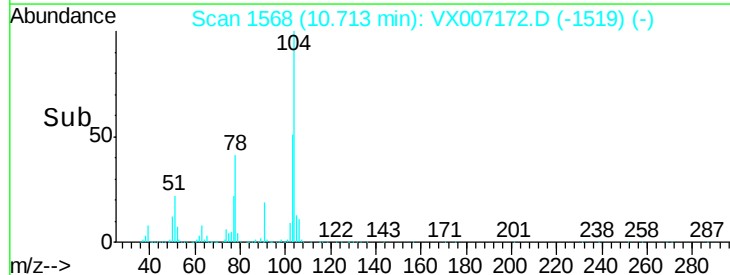
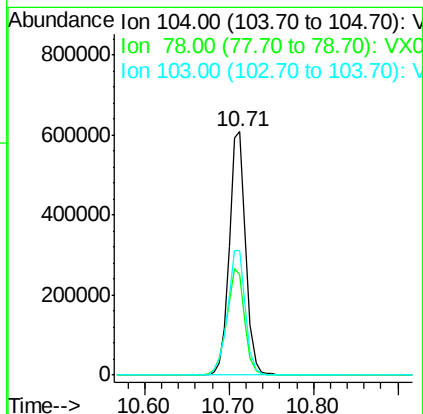
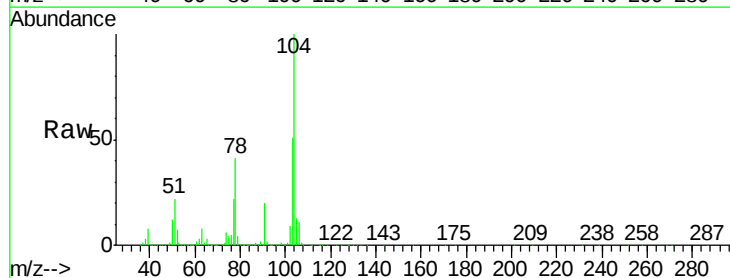
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

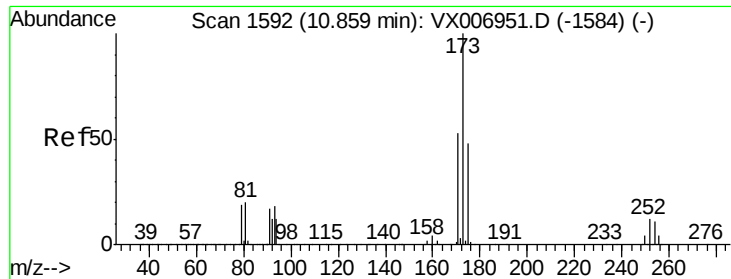
Tot Ion:106 Resp: 493072
Ion Ratio Lower Upper
106 100
91 208.4 101.3 303.7



#70
Styrene
Concen: 52.866 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Tgt Ion:104 Resp: 811371
Ion Ratio Lower Upper
104 100
78 47.8 37.7 56.5
103 55.9 43.8 65.8





#71

Bromoform

Concen: 47.698 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

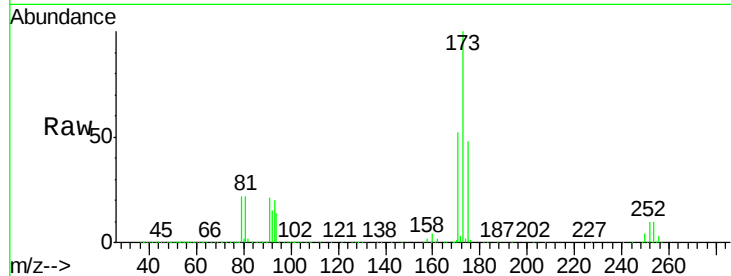
Tot Ion:173 Resp: 218201

Ion Ratio Lower Upper

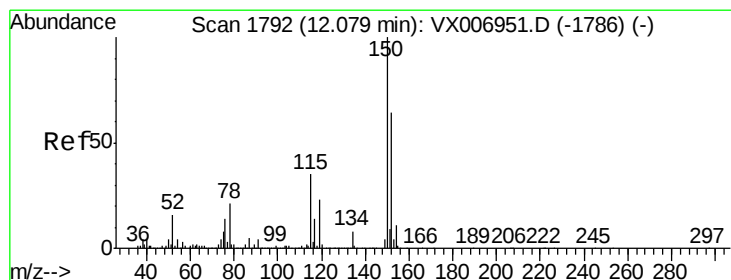
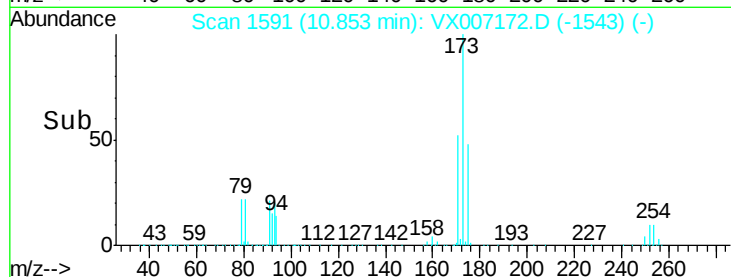
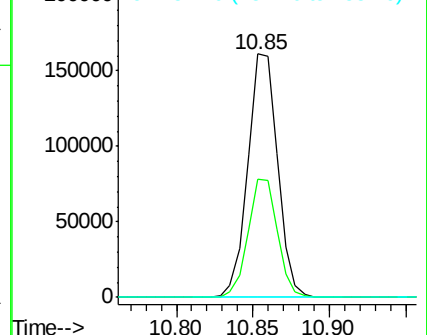
173 100

175 48.2 24.7 74.1

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

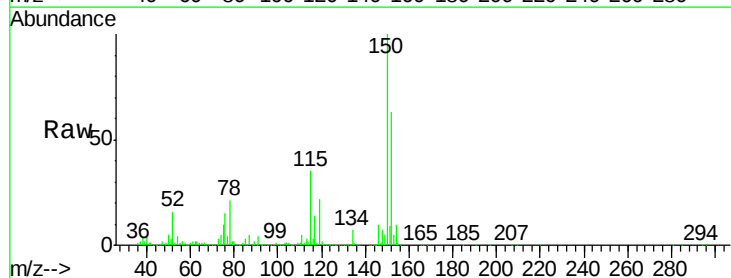
Tgt Ion:152 Resp: 388841

Ion Ratio Lower Upper

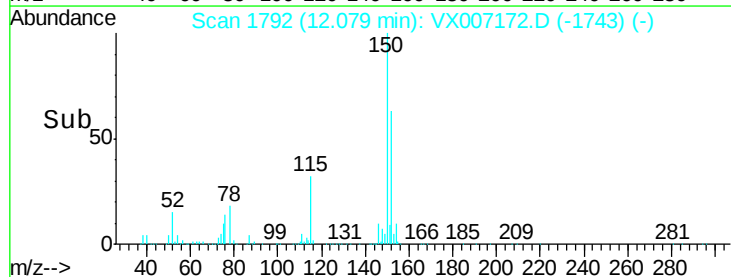
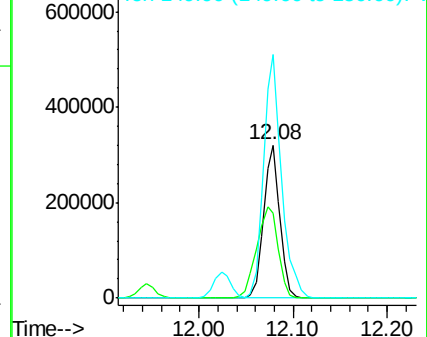
152 100

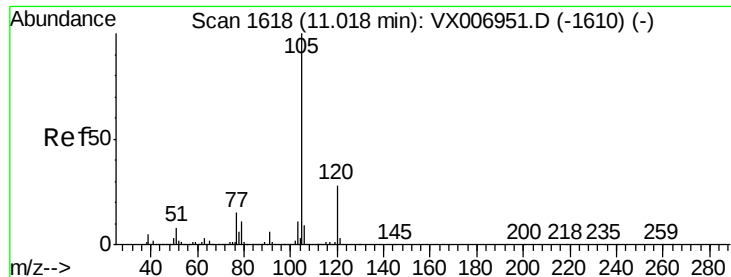
115 78.9 39.1 117.2

150 176.4 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.522 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

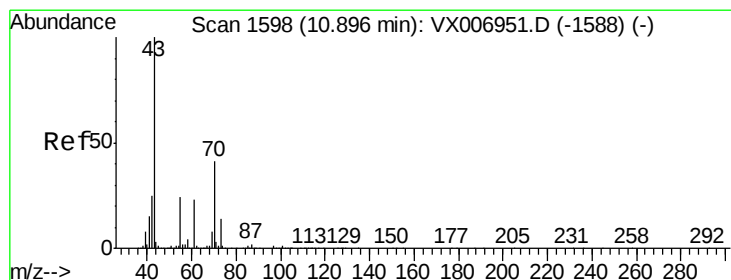
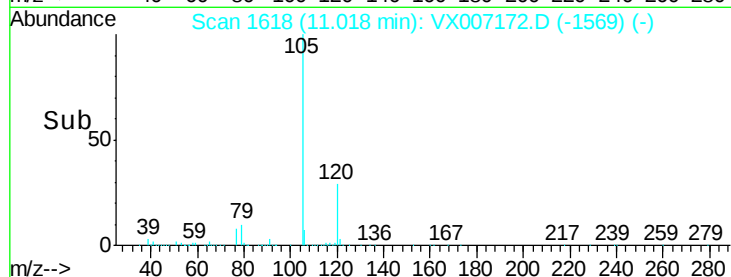
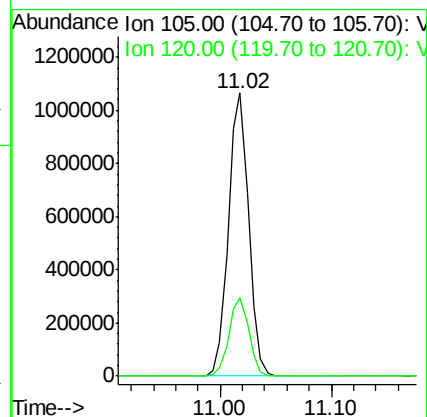
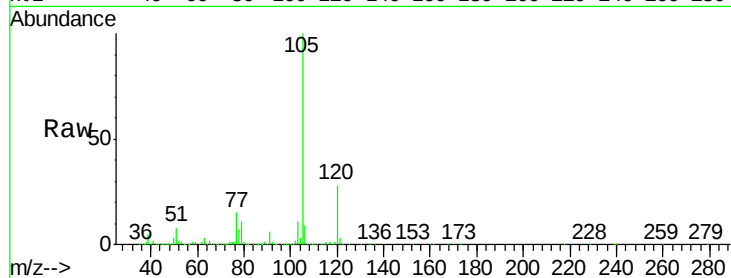
VSTDCCC050

Tot Ion:105 Resp: 1330415

Ion Ratio Lower Upper

105 100

120 27.5 14.1 42.4



#74

N-ethyl acetate

Concen: 46.352 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Tgt Ion: 43 Resp: 511694

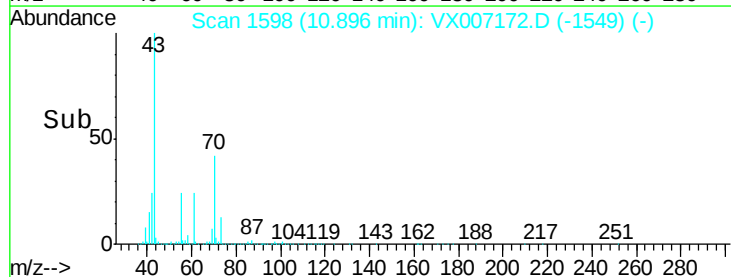
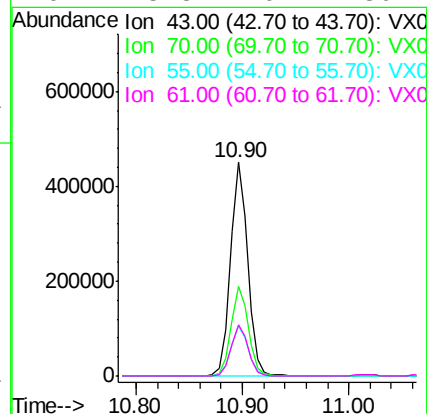
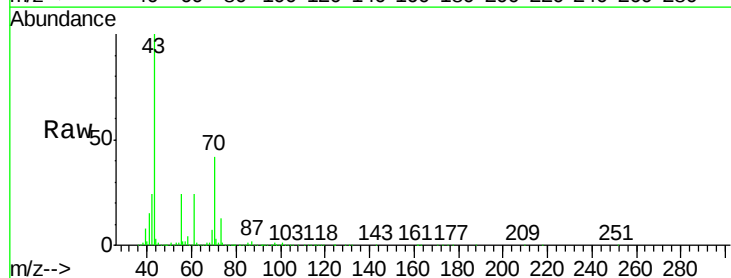
Ion Ratio Lower Upper

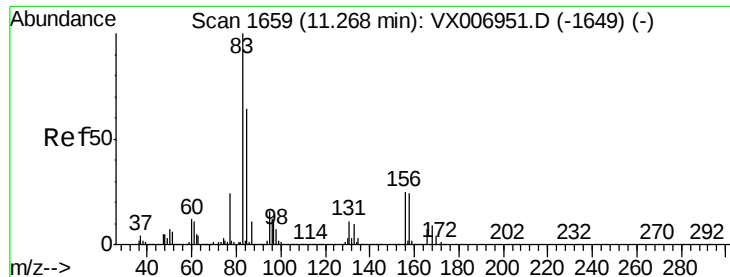
43 100

70 42.3 35.8 53.8

55 23.9 19.4 29.0

61 23.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 44.779 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

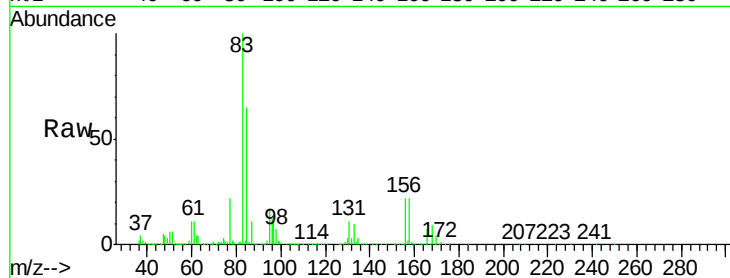
Tot Ion: 83 Resp: 389784

Ion Ratio Lower Upper

83 100

131 10.9 5.7 17.1

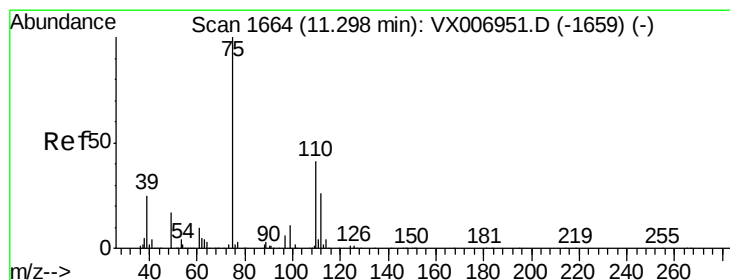
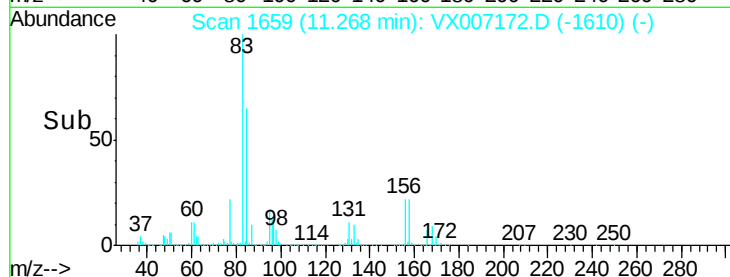
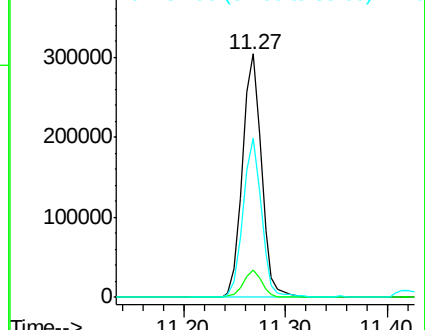
85 63.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 56.146 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007172.D

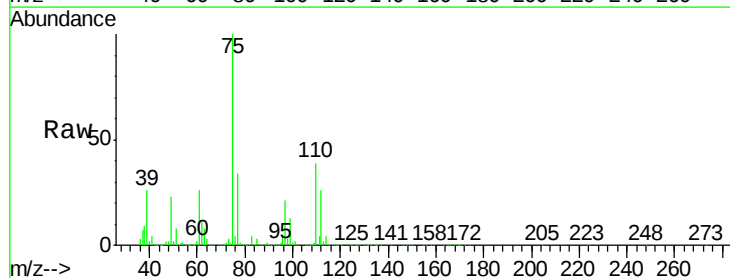
Acq: 22 Jan 2019 10:32

Tgt Ion: 75 Resp: 442413

Ion Ratio Lower Upper

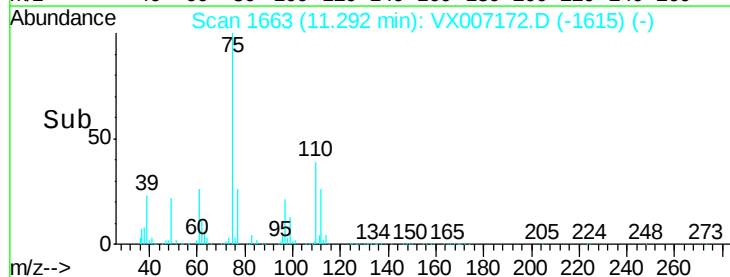
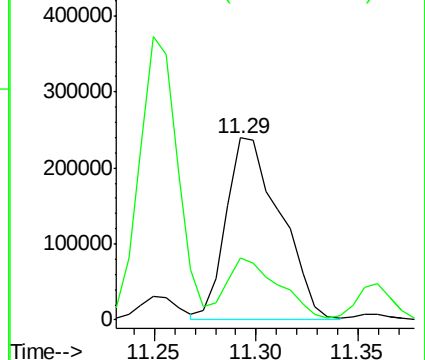
75 100

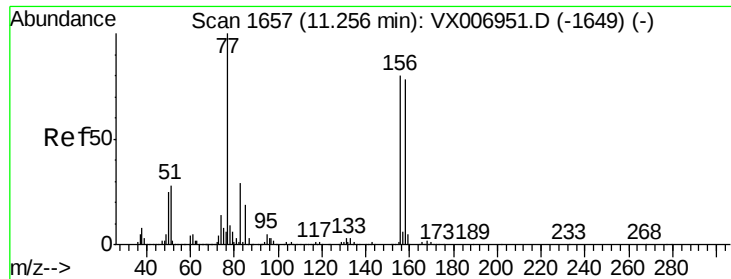
77 33.1 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.694 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

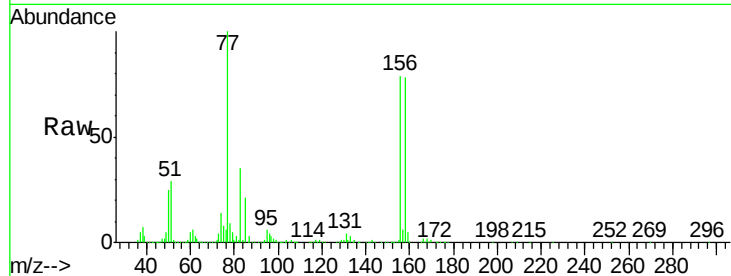
Tot Ion:156 Resp: 360325

Ion Ratio Lower Upper

156 100

77 133.9 68.0 204.0

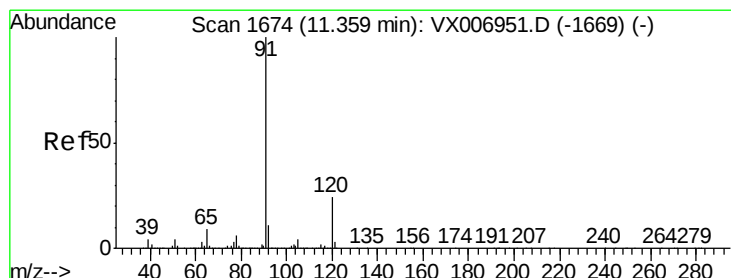
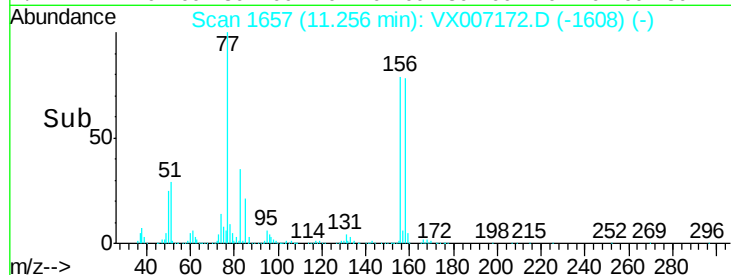
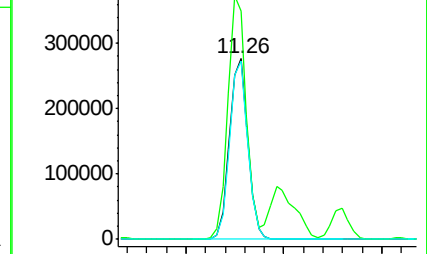
158 97.7 48.3 144.8



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: 51.056 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007172.D

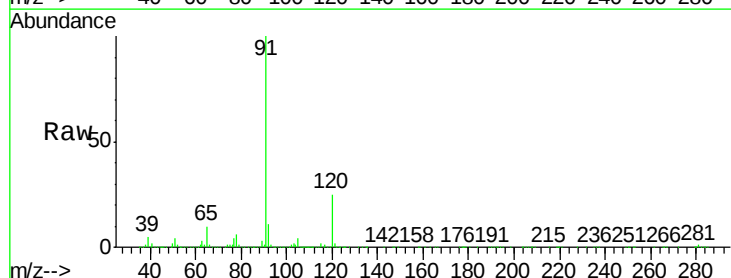
Acq: 22 Jan 2019 10:32

Tgt Ion: 91 Resp: 1536775

Ion Ratio Lower Upper

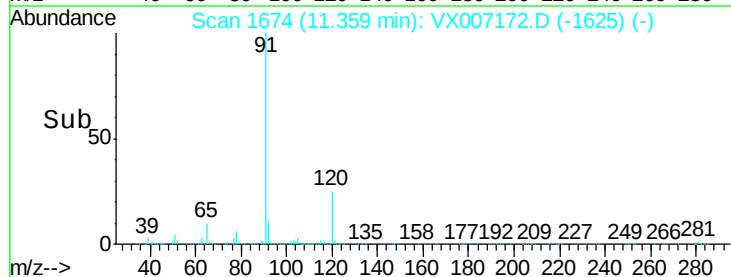
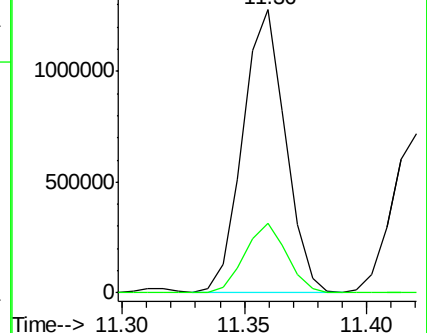
91 100

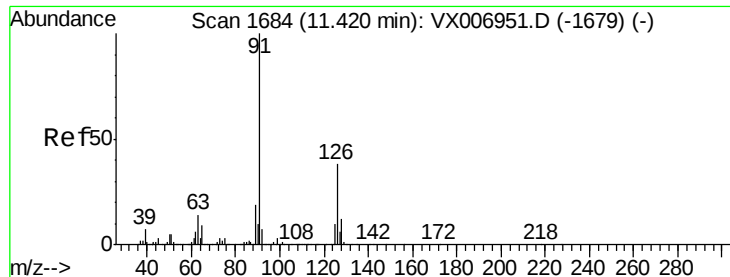
120 24.4 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.297 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

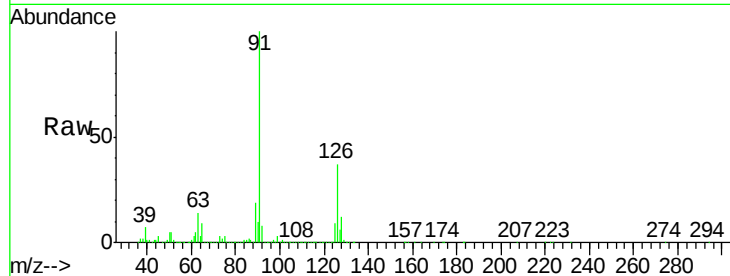
VSTDCCC050

Tot Ion: 91 Resp: 893210

Ion Ratio Lower Upper

91 100

126 37.0 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX006951.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006951.D (-1679) (-)

1500000

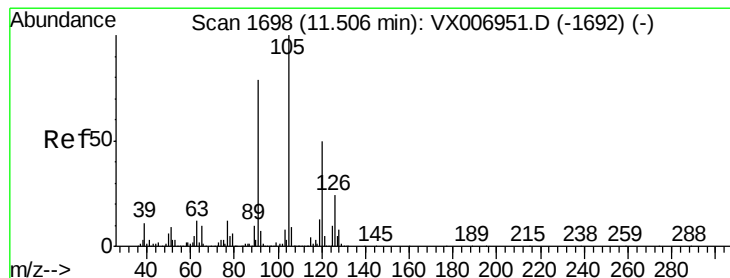
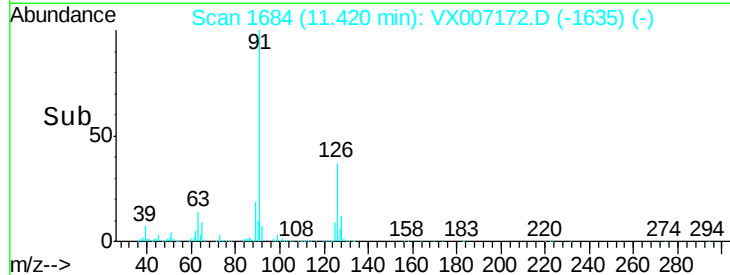
1000000

500000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.255 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007172.D

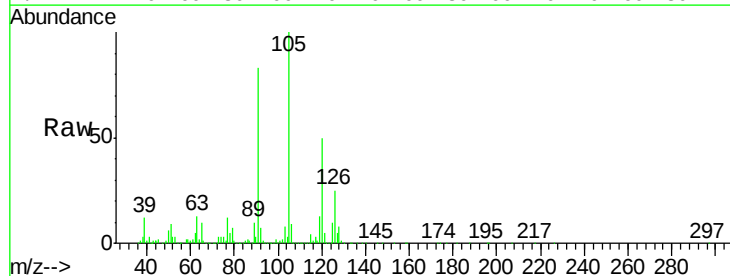
Acq: 22 Jan 2019 10:32

Tgt Ion:105 Resp: 1128463

Ion Ratio Lower Upper

105 100

120 49.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006951.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006951.D (-1692) (-)

1000000

800000

600000

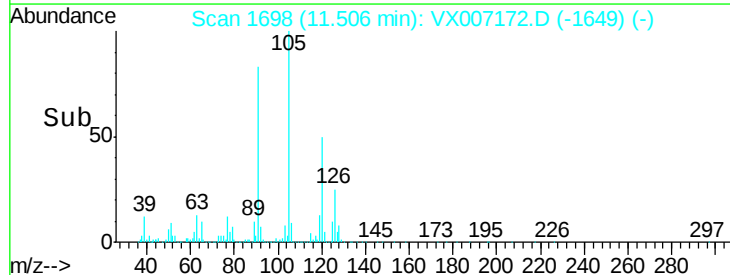
400000

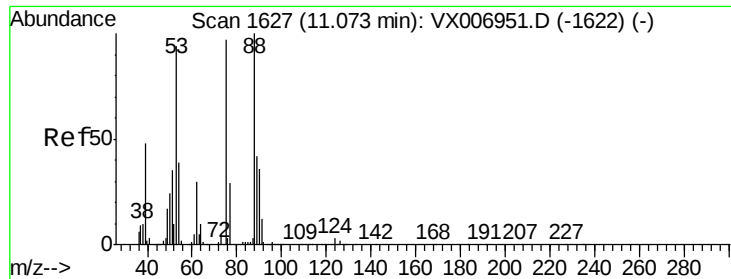
200000

0

11.45 11.50 11.55

Time-->

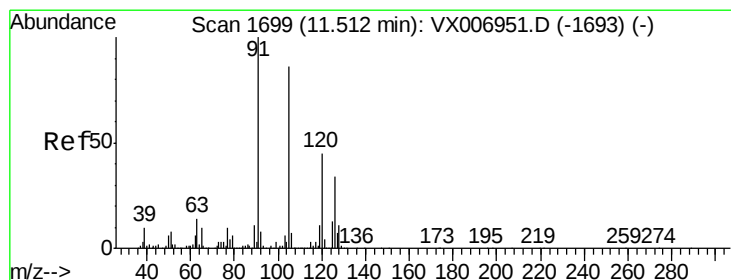
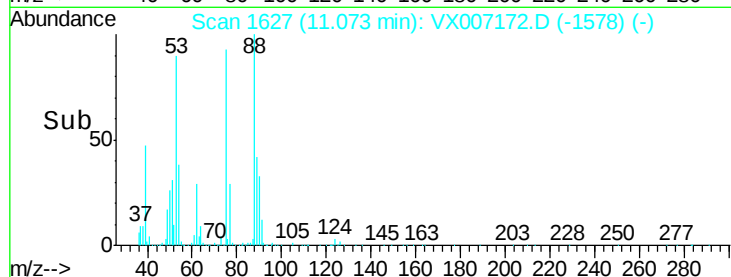
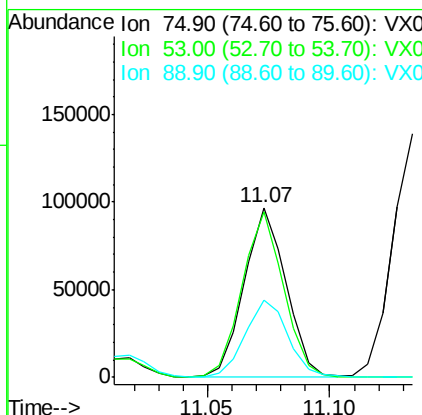
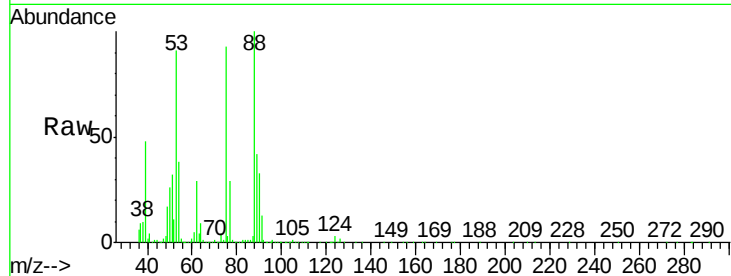




#81
trans-1,4-Dichloro-2-butene
Concen: 44.368 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

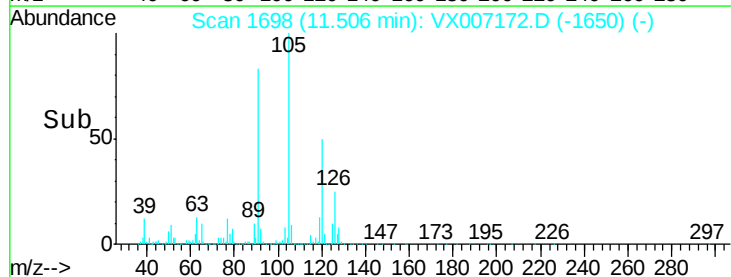
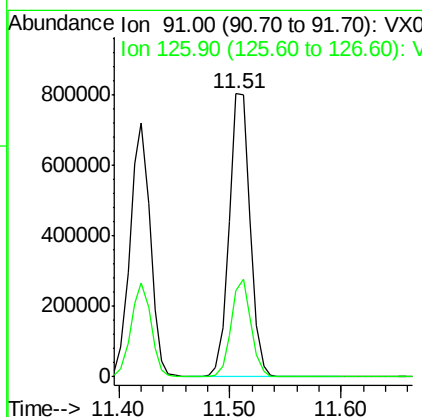
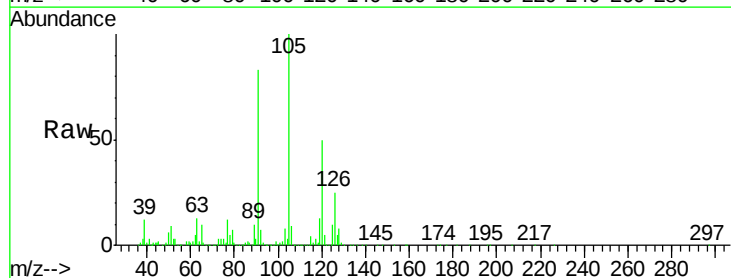
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 114643
Ion Ratio Lower Upper
75 100
53 96.8 79.7 119.5
89 47.0 38.0 57.0



#82
4-Chlorotoluene
Concen: 49.764 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Tgt Ion: 91 Resp: 1043982
Ion Ratio Lower Upper
91 100
126 32.6 16.3 48.9

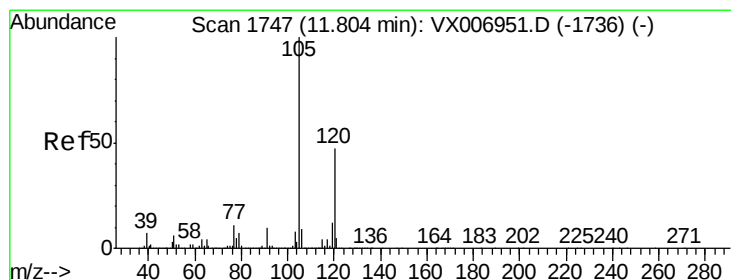
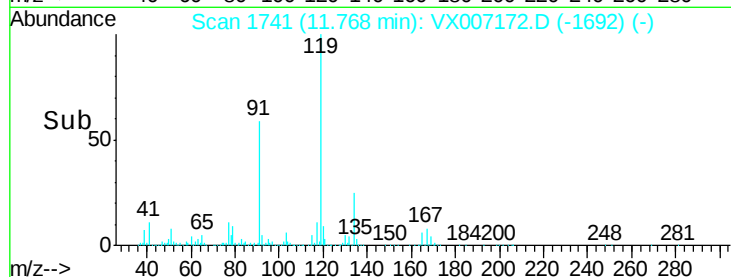
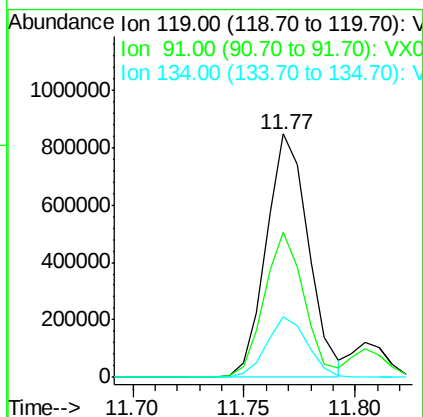
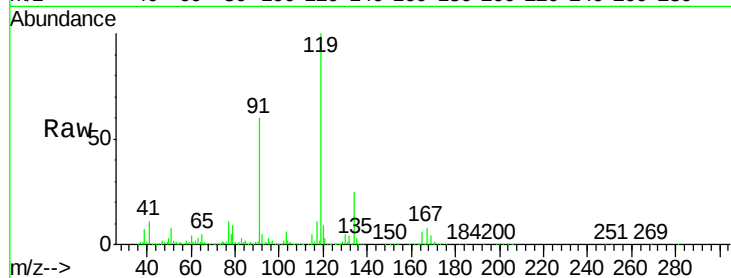




#83
tert-Butylbenzene
Concen: 48.752 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

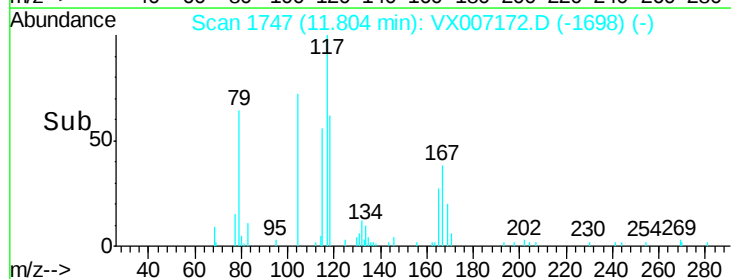
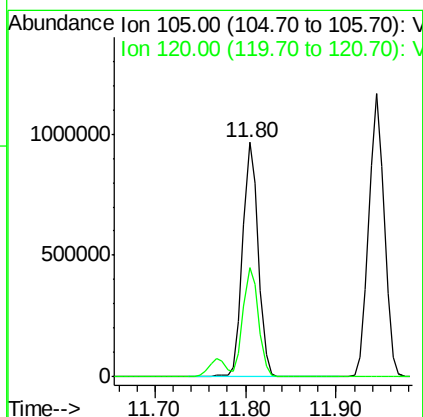
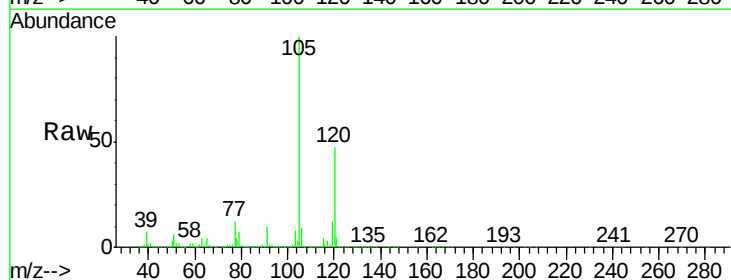
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

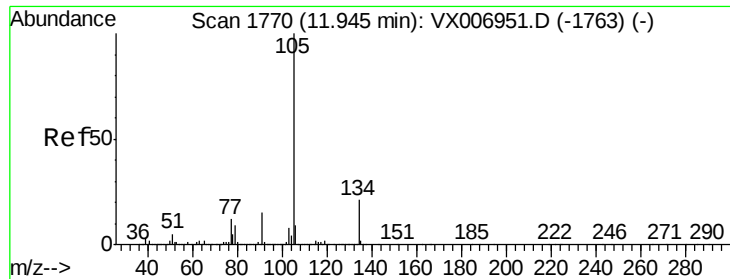
Tot Ion:119 Resp: 1114389
Ion Ratio Lower Upper
119 100
91 56.7 27.7 83.1
134 24.2 11.9 35.5



#84
1,2,4-Trimethylbenzene
Concen: 50.056 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Tgt Ion:105 Resp: 1153219
Ion Ratio Lower Upper
105 100
120 46.1 23.2 69.6





#85

sec-Butylbenzene

Concen: 50.926 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

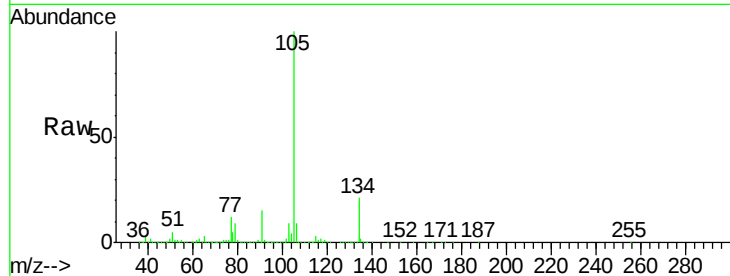
VSTDCCC050

Tot Ion:105 Resp: 1390231

Ion Ratio Lower Upper

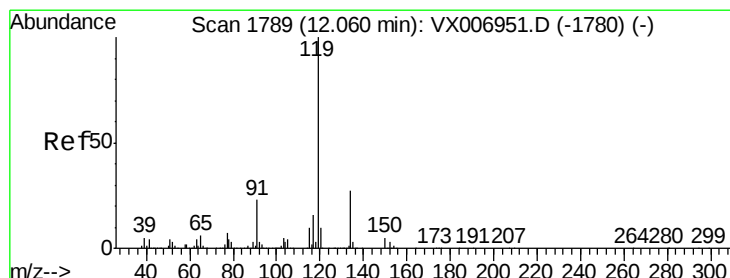
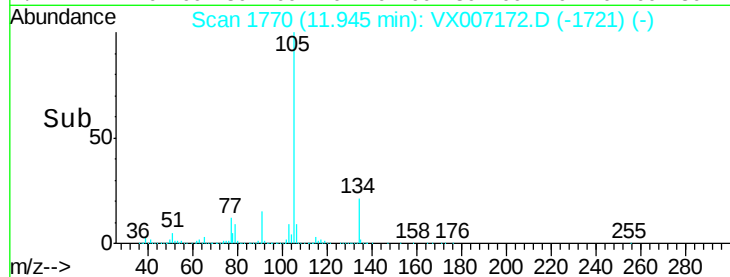
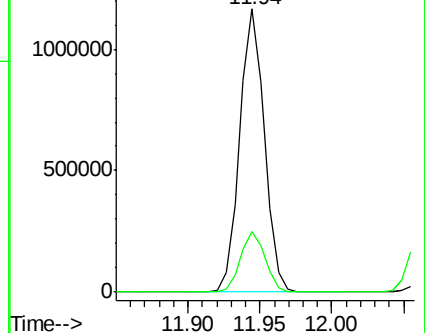
105 100

134 21.4 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.632 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

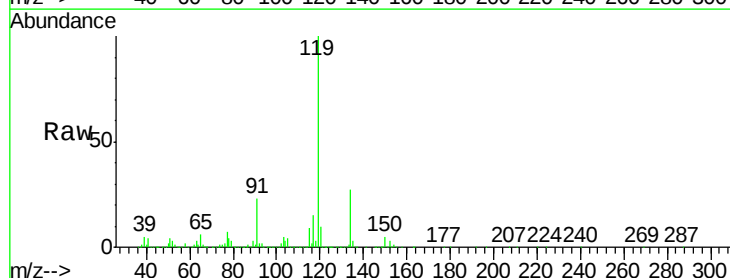
Tgt Ion:119 Resp: 1260768

Ion Ratio Lower Upper

119 100

134 27.2 14.0 41.9

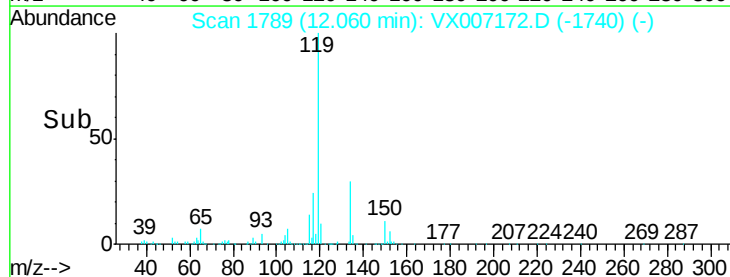
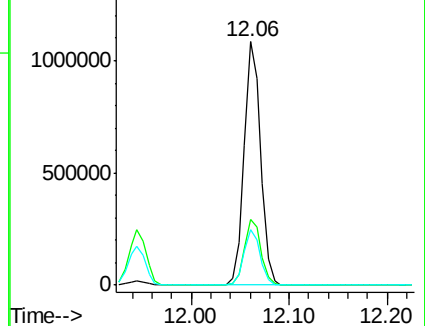
91 22.5 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

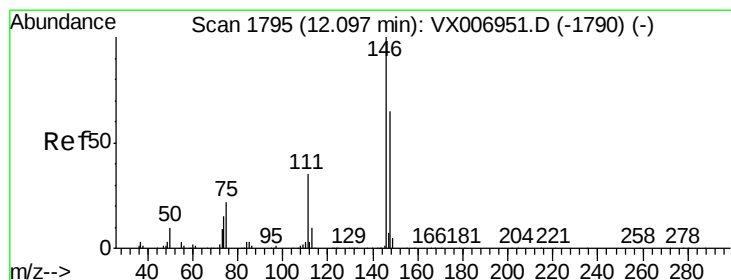
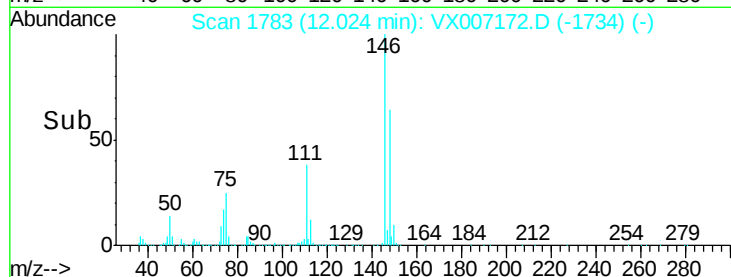
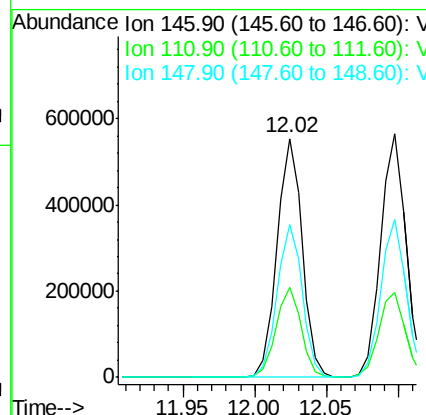
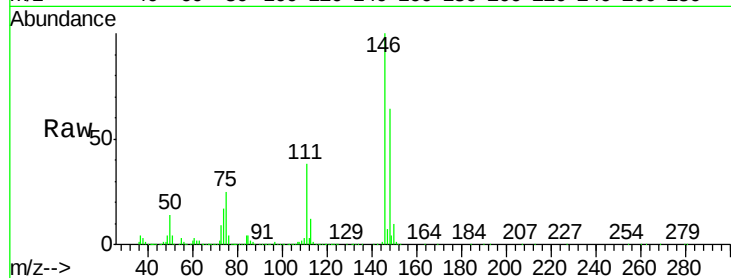




#87
 1,3-Dichlorobenzene
 Concen: 49.274 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007172.D
 Acq: 22 Jan 2019 10:32

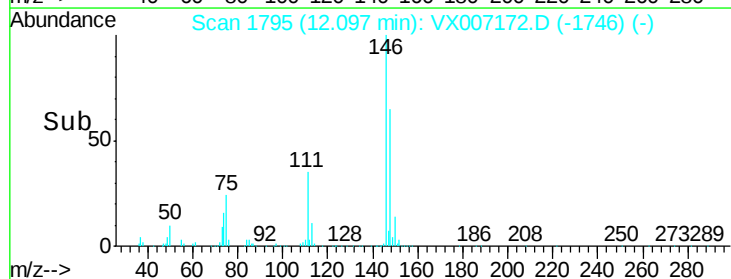
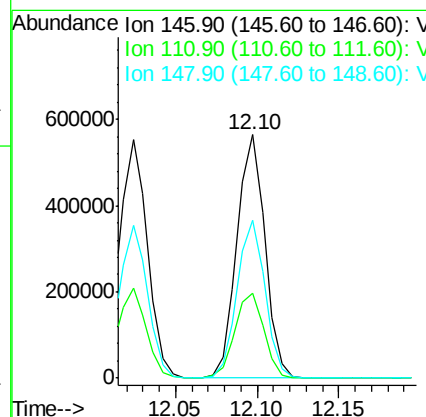
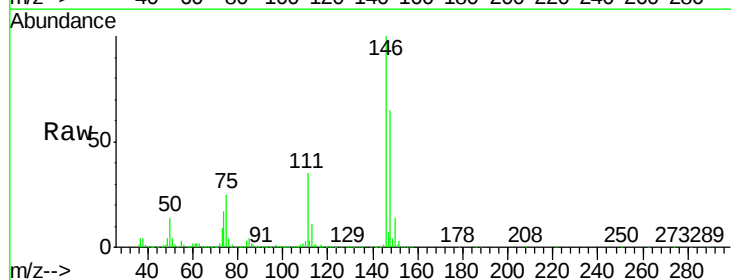
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.8
148	64.3	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 52.175 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007172.D
 Acq: 22 Jan 2019 10:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	64.8	31.9	95.9

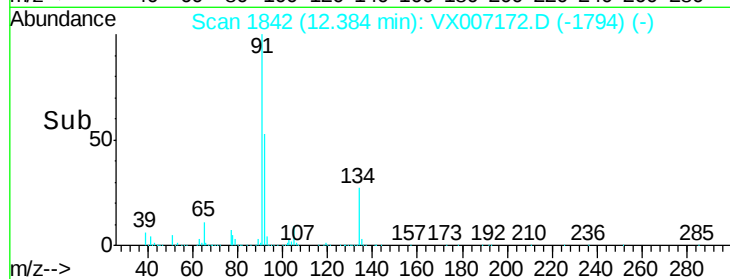
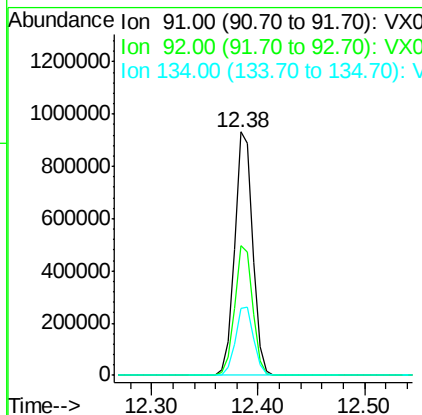
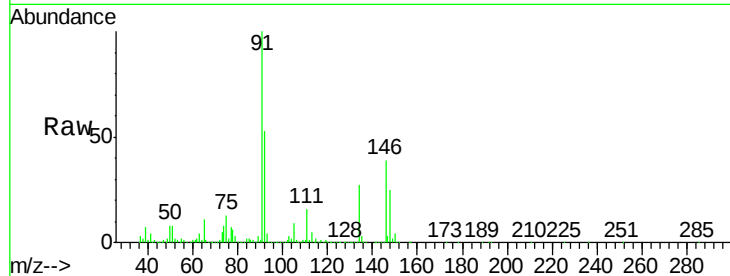




#89
n-Butylbenzene
Concen: 53.090 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

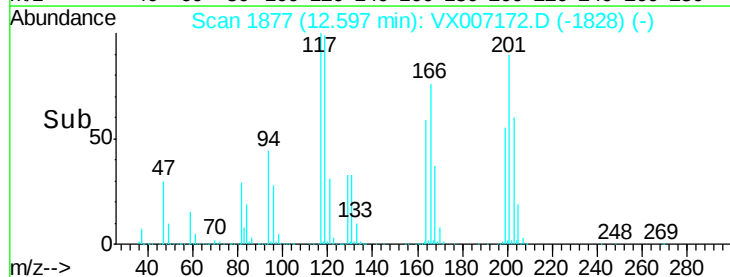
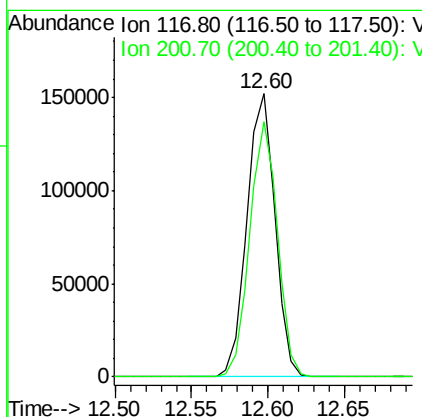
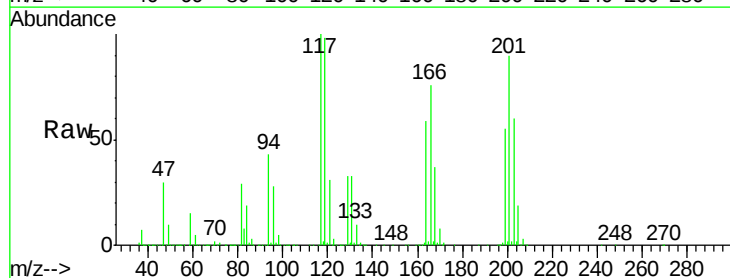
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1105115
Ion Ratio Lower Upper
91 100
92 52.9 26.8 80.4
134 28.3 14.4 43.2



#90
Hexachloroethane
Concen: 49.780 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Tgt Ion: 117 Resp: 193998
Ion Ratio Lower Upper
117 100
201 89.0 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 48.571 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

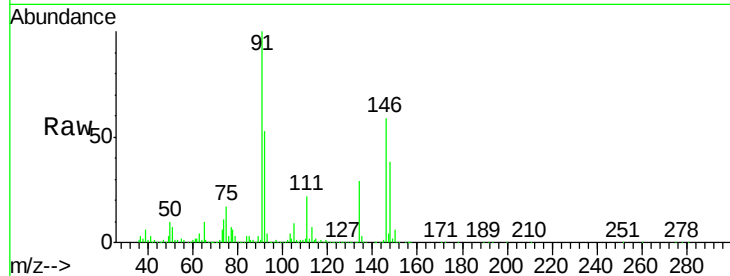
Tot Ion:146 Resp: 654535

Ion Ratio Lower Upper

146 100

111 38.1 19.4 58.2

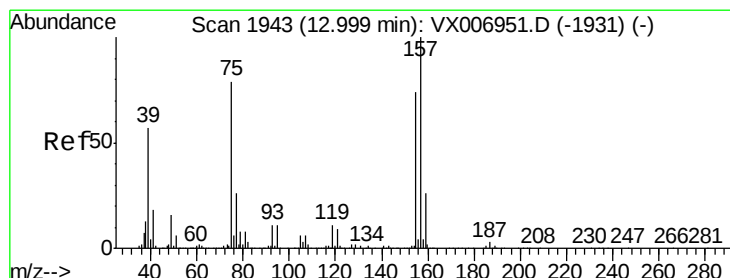
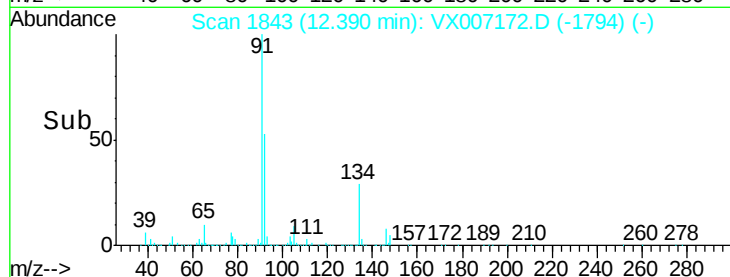
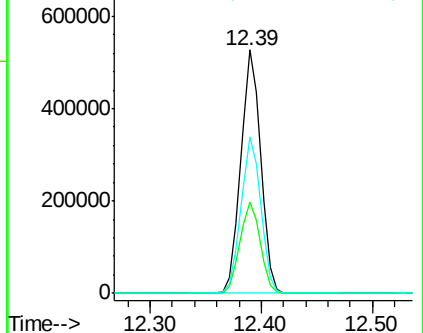
148 64.2 32.3 96.9



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: 45.622 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007172.D

Acq: 22 Jan 2019 10:32

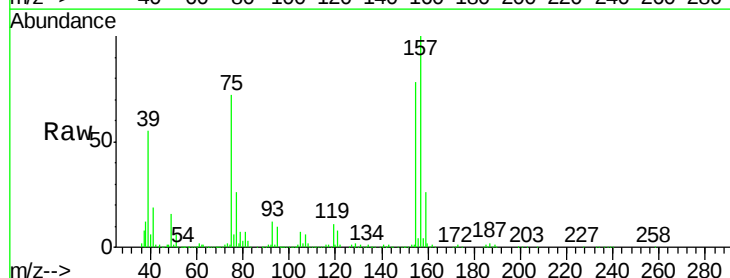
Tgt Ion: 75 Resp: 78540

Ion Ratio Lower Upper

75 100

155 103.8 50.6 151.8

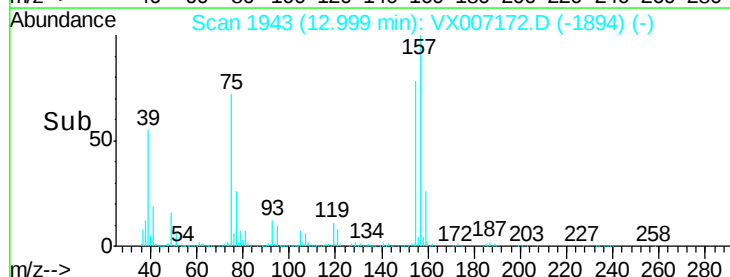
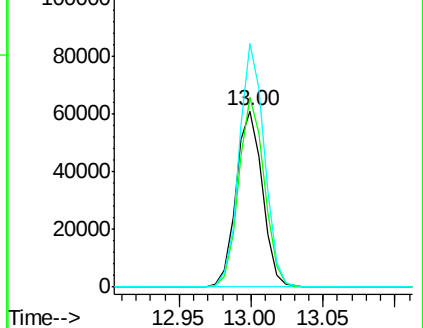
157 130.7 64.6 193.8



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

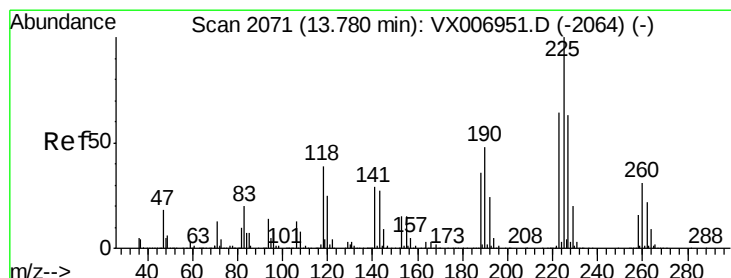
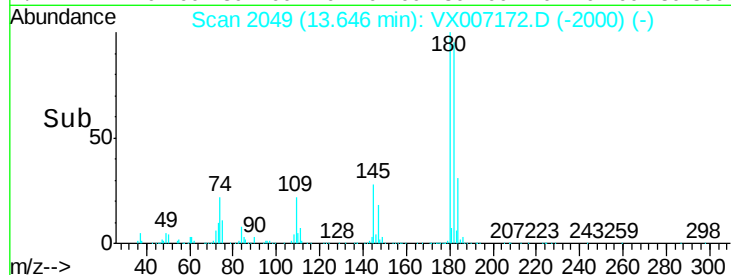
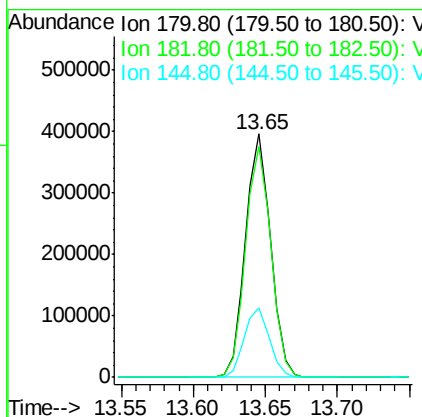
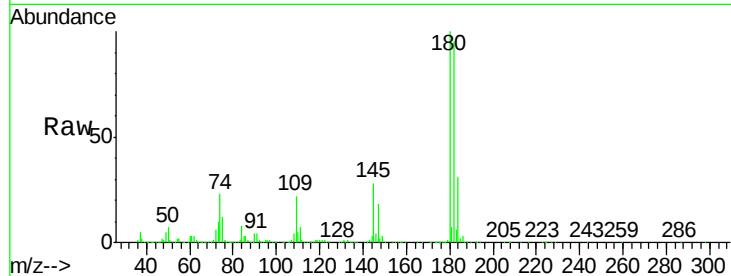




#93
 1,2,4-Trichlorobenzene
 Concen: 51.708 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007172.D
 Acq: 22 Jan 2019 10:32

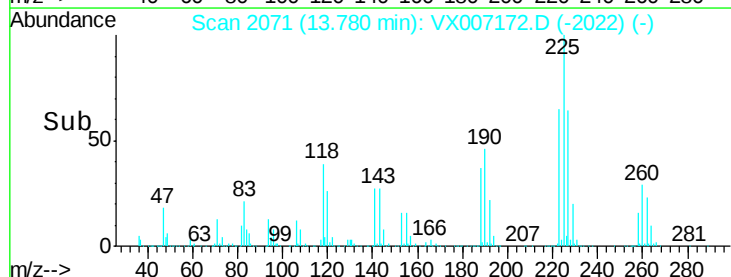
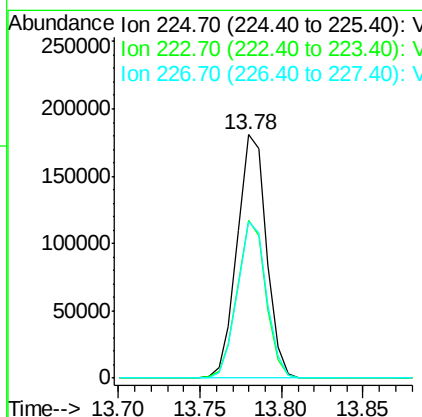
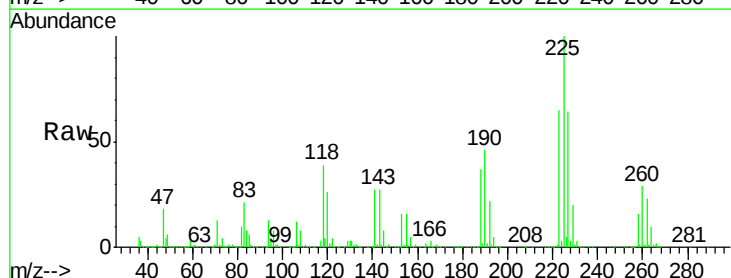
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 478058
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.3 142.0
 145 28.6 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 55.230 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007172.D
 Acq: 22 Jan 2019 10:32

Tgt Ion:225 Resp: 226597
 Ion Ratio Lower Upper
 225 100
 223 63.5 32.1 96.3
 227 63.8 32.3 96.8

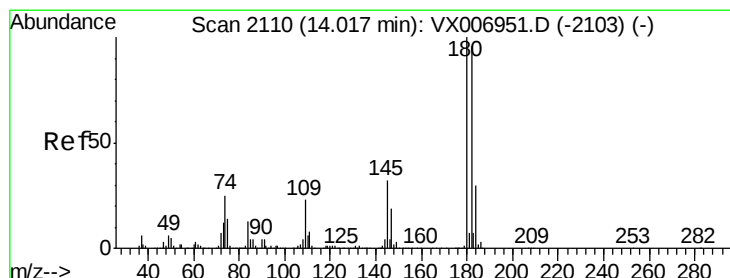
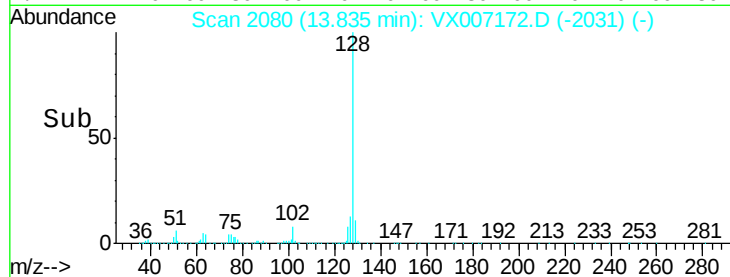
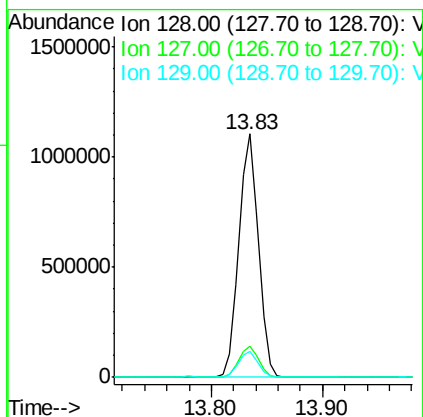
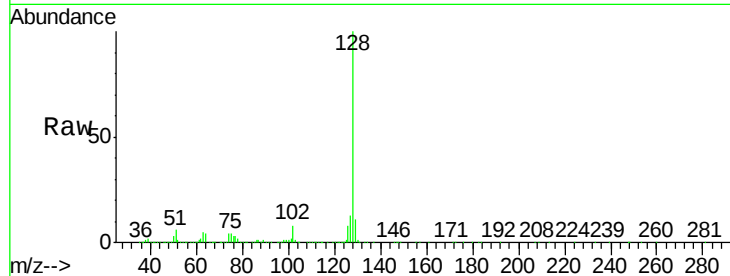




#95
Naphthalene
Concen: 47.954 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1343466
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.767 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007172.D
Acq: 22 Jan 2019 10:32

Tgt Ion:180 Resp: 466255
Ion Ratio Lower Upper
180 100
182 96.0 48.5 145.5
145 30.7 16.0 47.9

