

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092019\
 Data File : VX012572.D
 Acq On : 20 Sep 2019 21:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 21 01:38:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	172881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	295130	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	127362	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	127690	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
35) Dibromofluoromethane	5.49	113	94628	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
50) Toluene-d8	8.71	98	348450	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	11.14	95	142463	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	52219	45.310	ug/l	100
3) Chloromethane	1.32	50	46010	48.409	ug/l	97
4) Vinyl Chloride	1.40	62	51248	49.888	ug/l	99
5) Bromomethane	1.62	94	18310	45.368	ug/l	97
6) Chloroethane	1.70	64	35661	44.361	ug/l	92
7) Trichlorofluoromethane	1.92	101	94583	50.227	ug/l	97
8) Diethyl Ether	2.18	74	42061	49.451	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	67264	49.368	ug/l	97
10) Methyl Iodide	2.50	142	58304	49.877	ug/l	97
11) Tert butyl alcohol	3.04	59	158936	253.020	ug/l	100
12) 1,1-Dichloroethene	2.36	96	54001	49.683	ug/l	98
13) Acrolein	2.28	56	53470	245.733	ug/l	99
14) Allyl chloride	2.72	41	127574	50.415	ug/l	99
15) Acrylonitrile	3.13	53	281376	262.063	ug/l	99
16) Acetone	2.44	43	264145	232.768	ug/l	100
17) Carbon Disulfide	2.56	76	62654	41.094	ug/l	99
18) Methyl Acetate	2.77	43	136030	52.686	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	305409	51.535	ug/l	98
20) Methylene Chloride	2.84	84	75613	50.425	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	57622	51.052	ug/l	94
22) Diisopropyl ether	3.84	45	305985	51.643	ug/l	98
23) Vinyl Acetate	3.80	43	1267051	259.967	ug/l	99
24) 1,1-Dichloroethane	3.69	63	147440	52.010	ug/l	98
25) 2-Butanone	4.66	43	417221	242.752	ug/l	99
26) 2,2-Dichloropropane	4.57	77	117188	42.033	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	87774	52.058	ug/l	95
28) Bromochloromethane	5.00	49	74279	50.824	ug/l	96
29) Tetrahydrofuran	5.11	42	253038	266.501	ug/l	100
30) Chloroform	5.20	83	162107	49.791	ug/l	99
31) Cyclohexane	5.57	56	86152	50.343	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	137053	50.366	ug/l	99
36) 1,1-Dichloropropene	5.79	75	87227	48.631	ug/l	98
37) Ethyl Acetate	4.82	43	145820	52.963	ug/l	99
38) Carbon Tetrachloride	5.78	117	108947	48.837	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	84999	48.747	ug/l	96
40) Benzene	6.14	78	292816	51.337	ug/l	99
41) Methacrylonitrile	5.03	41	89239	50.337	ug/l	98
42) 1,2-Dichloroethane	6.19	62	130757	49.427	ug/l	99
43) Isopropyl Acetate	6.44	43	251387	50.871	ug/l	100
44) Trichloroethene	7.21	130	78635	52.410	ug/l	98
45) 1,2-Dichloropropane	7.51	63	90542	51.669	ug/l	98
46) Dibromomethane	7.65	93	56933	50.206	ug/l	100
47) Bromodichloromethane	7.89	83	126230	49.994	ug/l	97
48) Methyl methacrylate	7.76	41	117123	50.280	ug/l	99
49) 1,4-Dioxane	7.73	88	59279	1045.594	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	836765	258.208	ug/l	99
52) Toluene	8.78	92	187884	51.120	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	131440	50.079	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	137503	50.604	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	97086	51.273	ug/l	98
56) Ethyl methacrylate	9.17	69	155274	52.449	ug/l	97
57) 1,3-Dichloropropane	9.37	76	157305	52.068	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	434604	283.598	ug/l	99
59) 2-Hexanone	9.49	43	644248	254.819	ug/l	99
60) Dibromochloromethane	9.58	129	102590	53.190	ug/l	98
61) 1,2-Dibromoethane	9.67	107	91274	52.779	ug/l	99
64) Tetrachloroethene	9.33	164	74276	61.139	ug/l	91
65) Chlorobenzene	10.14	112	222631	50.879	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	95393	52.528	ug/l	99
67) Ethyl Benzene	10.25	91	390738	51.975	ug/l	99
68) m/p-Xylenes	10.36	106	286783	104.844	ug/l	99
69) o-Xylene	10.70	106	146125	51.945	ug/l	99
70) Styrene	10.71	104	268762	53.999	ug/l	98
71) Bromoform	10.86	173	72229	46.412	ug/l #	99
73) Isopropylbenzene	11.01	105	414426	51.860	ug/l	99
74) N-amyl acetate	10.89	43	226717	52.696	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	162553	51.855	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	187533	64.101	ug/l	86
77) Bromobenzene	11.25	156	102902	52.800	ug/l	98
78) n-propylbenzene	11.35	91	457637	51.382	ug/l	99
79) 2-Chlorotoluene	11.42	91	291365	50.285	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	350947	51.495	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	47257	44.696	ug/l	96
82) 4-Chlorotoluene	11.51	91	338680	50.929	ug/l	100
83) tert-Butylbenzene	11.76	119	362883	49.691	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	358741	51.266	ug/l	99
85) sec-Butylbenzene	11.94	105	413416	51.374	ug/l	99
86) p-Isopropyltoluene	12.06	119	382744	51.797	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	190609	51.993	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	195449	51.901	ug/l	99
89) n-Butylbenzene	12.39	91	321536	48.769	ug/l	99
90) Hexachloroethane	12.59	117	66530	49.103	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	202203	52.771	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	44465	54.713	ug/l	97

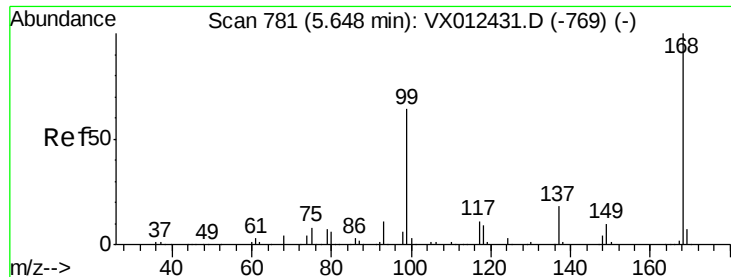
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	131378	53.231	ug/l	99
94) Hexachlorobutadiene	13.78	225	53806	46.255	ug/l	99
95) Naphthalene	13.83	128	484353	55.154	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	135790	53.991	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

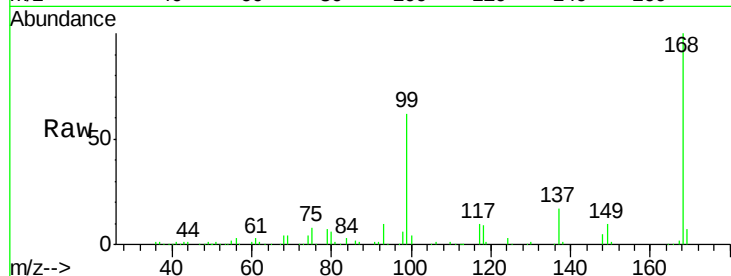
VSTDCCC050

Tot Ion:168 Resp: 172881

Ion Ratio Lower Upper

168 100

99 62.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

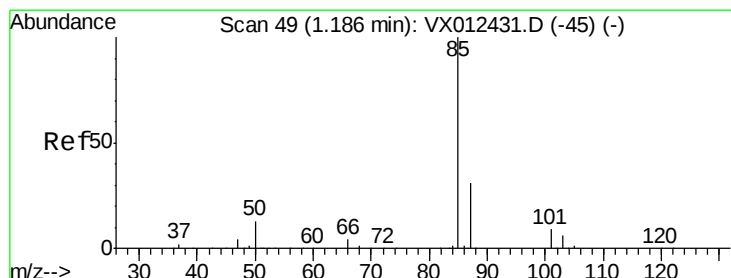
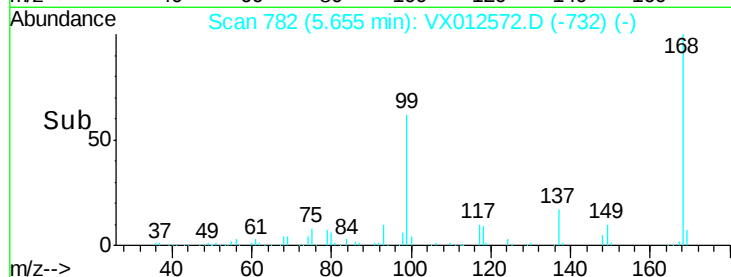
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 45.310 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012572.D

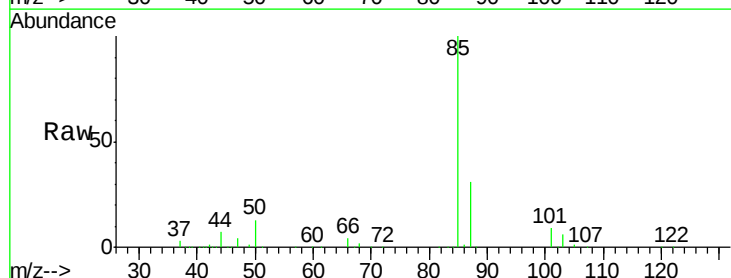
Acq: 20 Sep 2019 21:25

Tgt Ion: 85 Resp: 52219

Ion Ratio Lower Upper

85 100

87 31.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

60000

50000

40000

30000

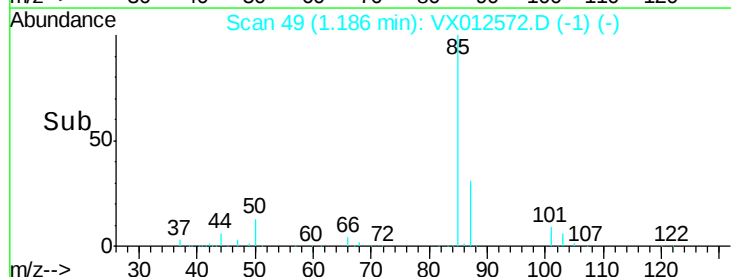
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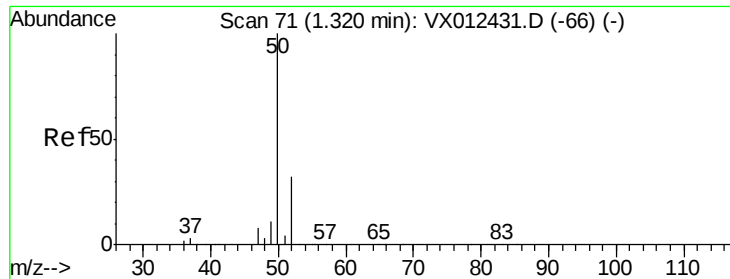
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 48.409 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

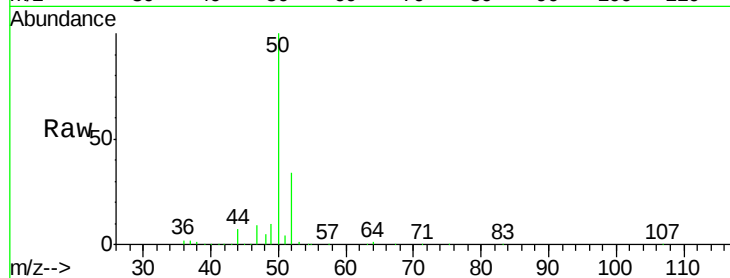
VSTDCCC050

Tot Ion: 50 Resp: 46010

Ion Ratio Lower Upper

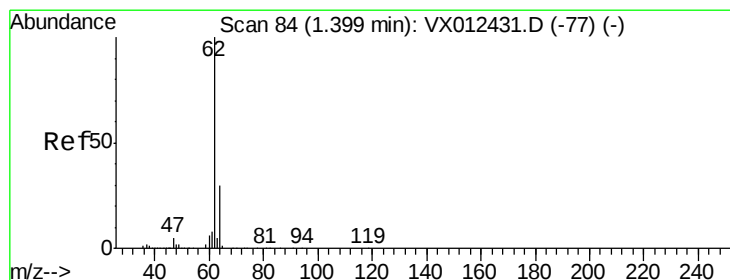
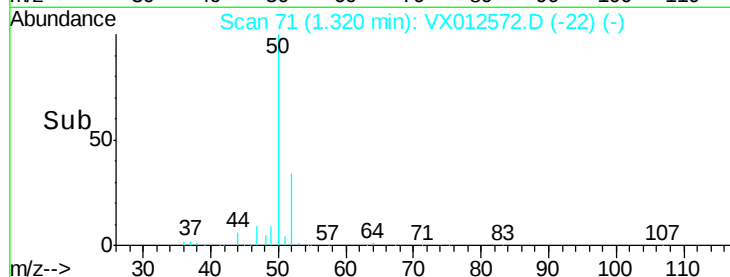
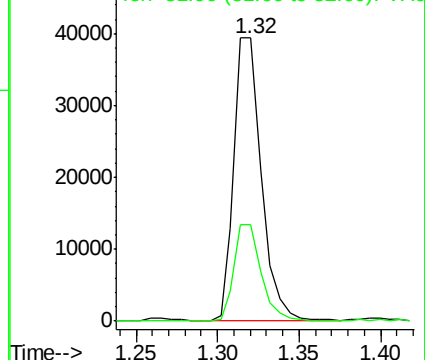
50 100

52 34.0 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.888 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012572.D

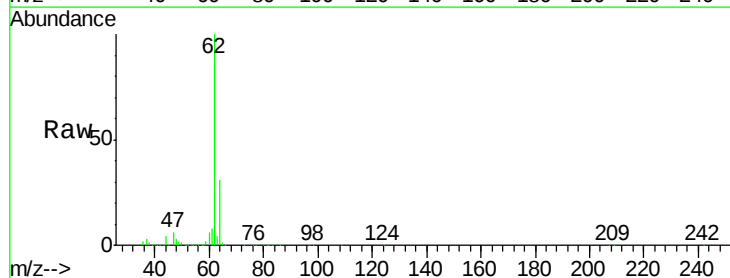
Acq: 20 Sep 2019 21:25

Tgt Ion: 62 Resp: 51248

Ion Ratio Lower Upper

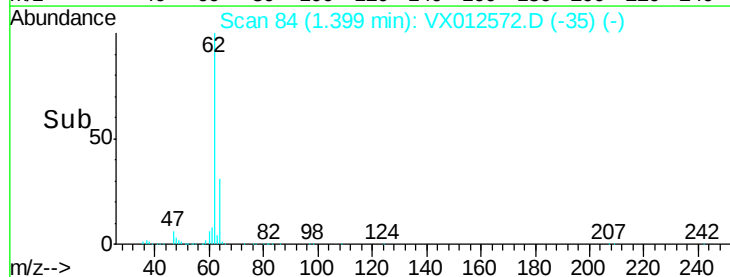
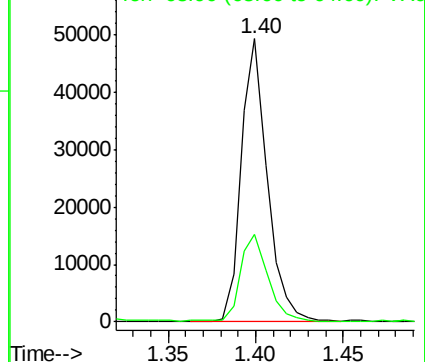
62 100

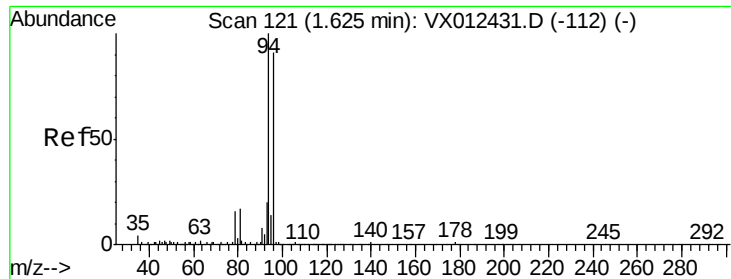
64 30.7 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 45.368 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

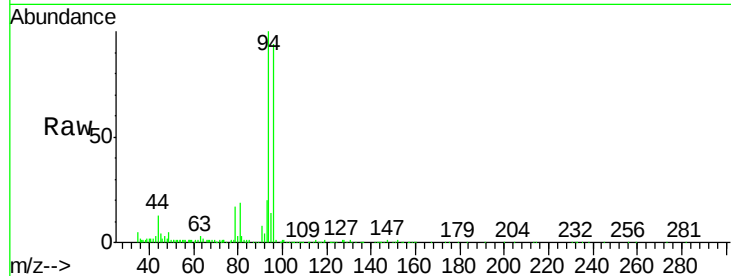
VSTDCCC050

Tot Ion: 94 Resp: 18310

Ion Ratio Lower Upper

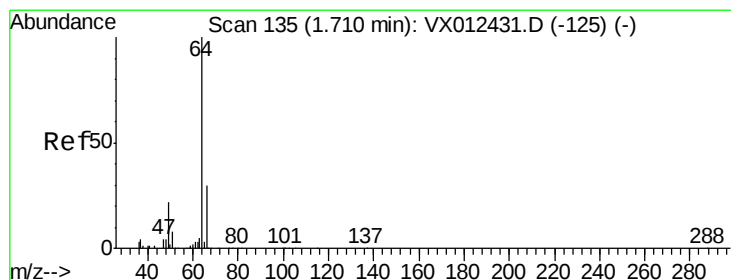
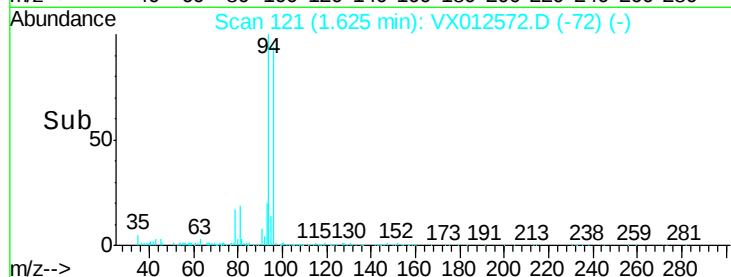
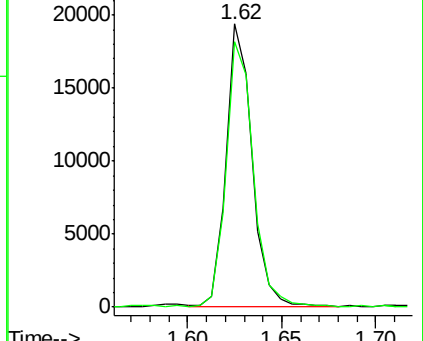
94 100

96 93.8 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 44.361 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012572.D

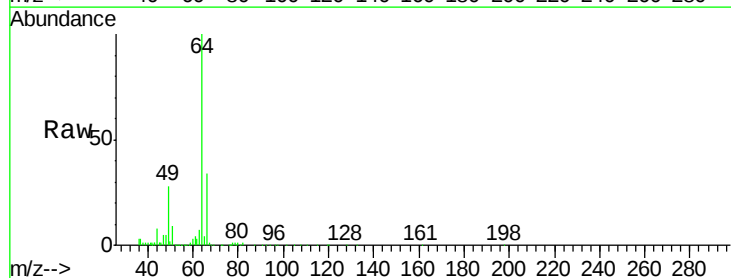
Acq: 20 Sep 2019 21:25

Tgt Ion: 64 Resp: 35661

Ion Ratio Lower Upper

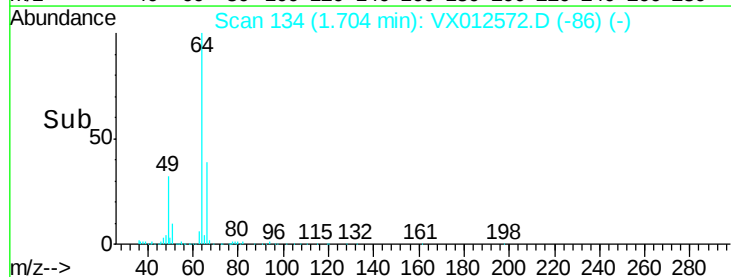
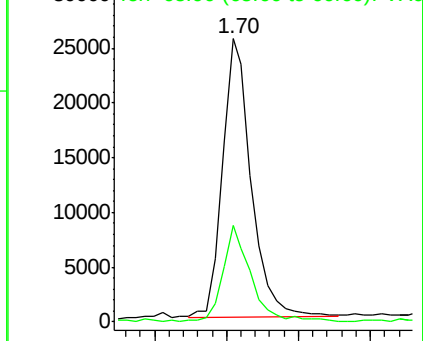
64 100

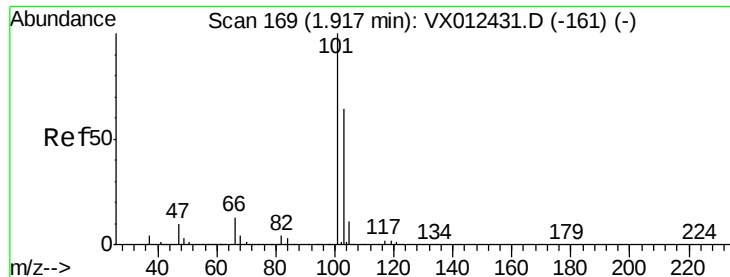
66 34.2 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



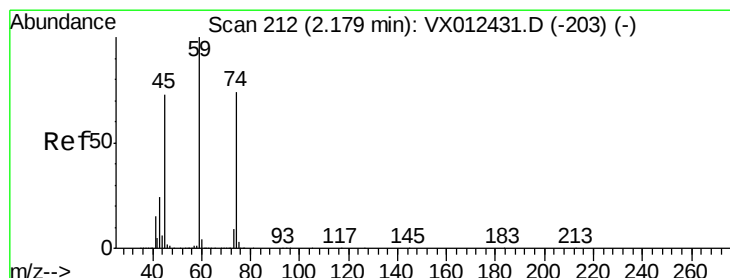
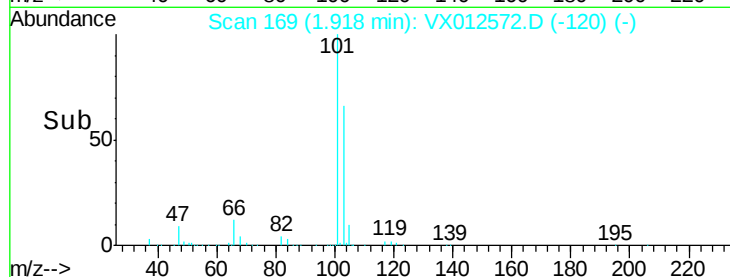
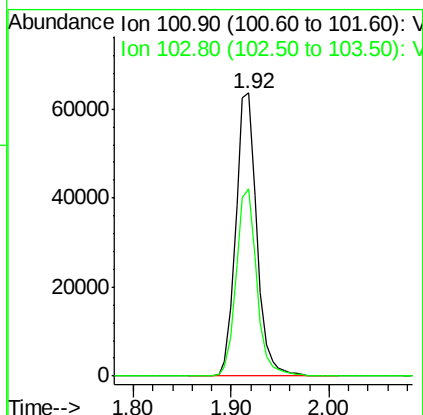
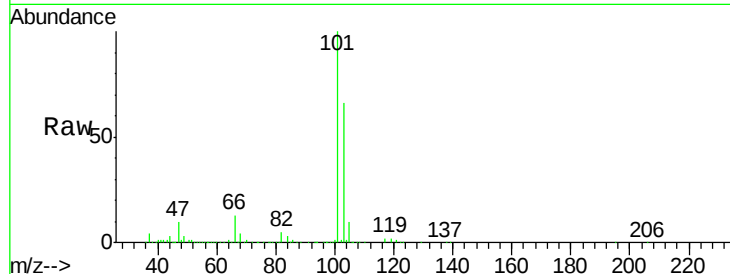


#7

Trichlorofluoromethane
 Concen: 50.227 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

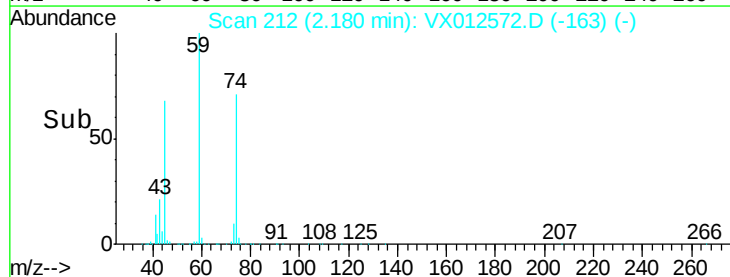
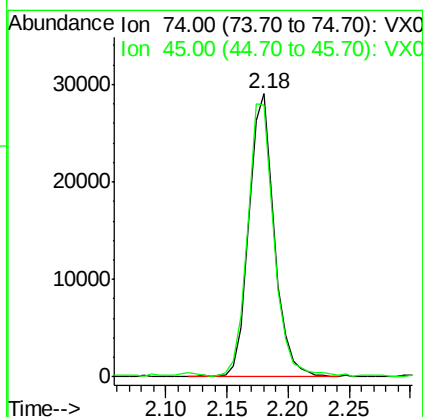
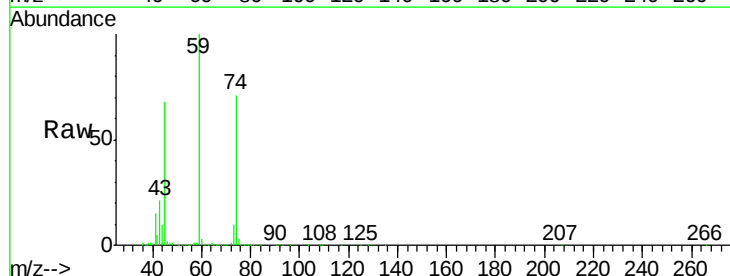
Tot Ion:101 Resp: 94583
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.0 76.4

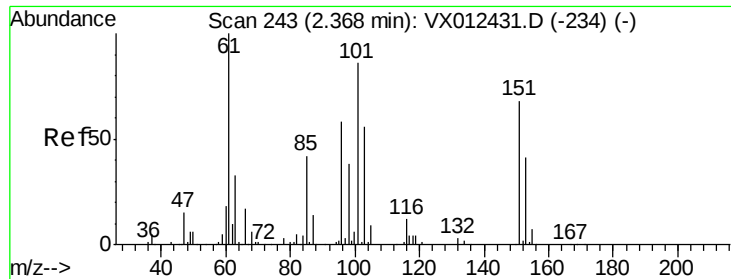


#8

Diethyl Ether
 Concen: 49.451 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion: 74 Resp: 42061
 Ion Ratio Lower Upper
 74 100
 45 100.4 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.368 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

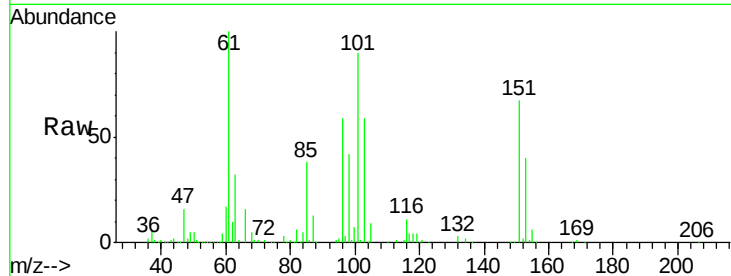
Tot Ion:101 Resp: 67264

Ion Ratio Lower Upper

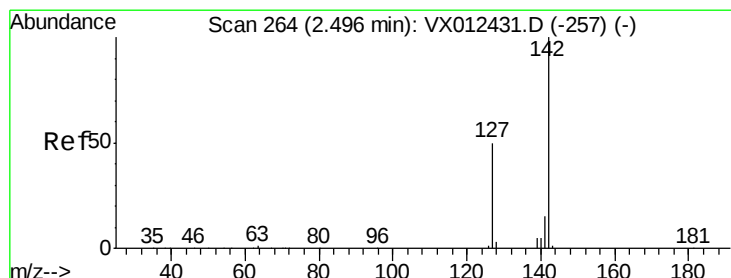
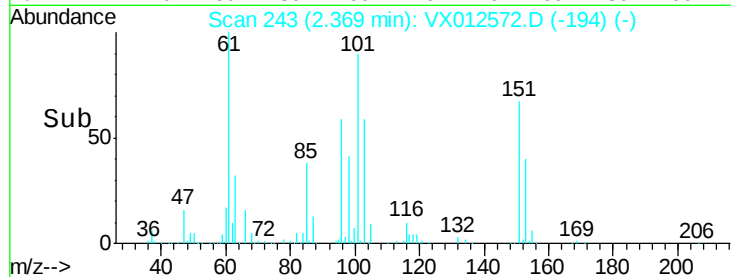
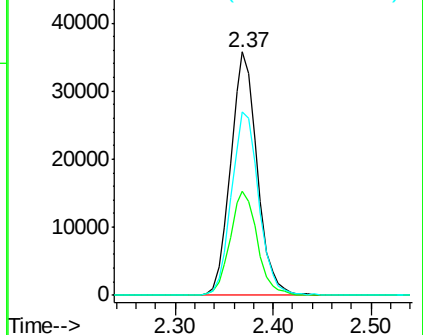
101 100

85 43.8 37.3 55.9

151 77.5 61.0 91.4



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: 49.877 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

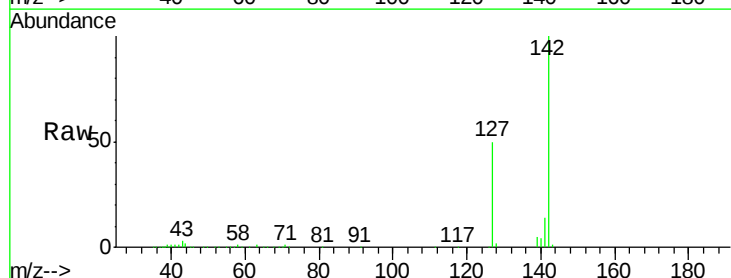
Tgt Ion:142 Resp: 58304

Ion Ratio Lower Upper

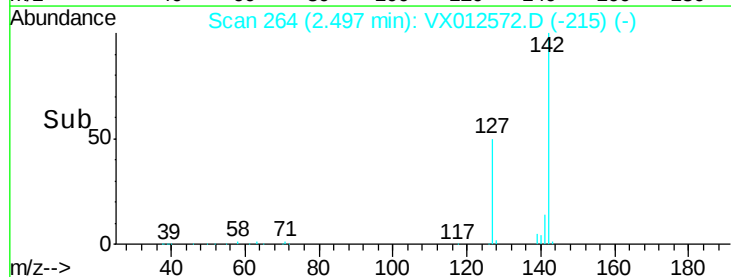
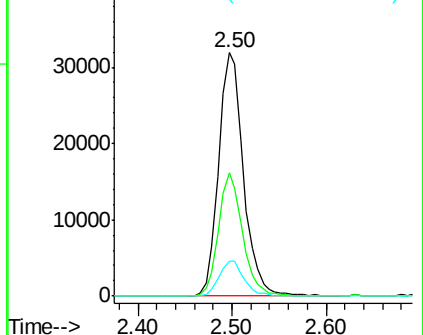
142 100

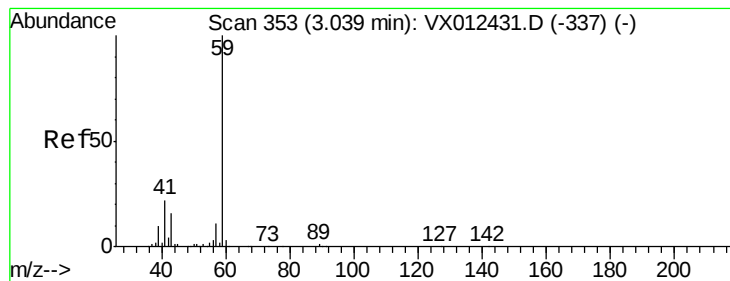
127 48.8 40.8 61.2

141 14.4 12.1 18.1



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



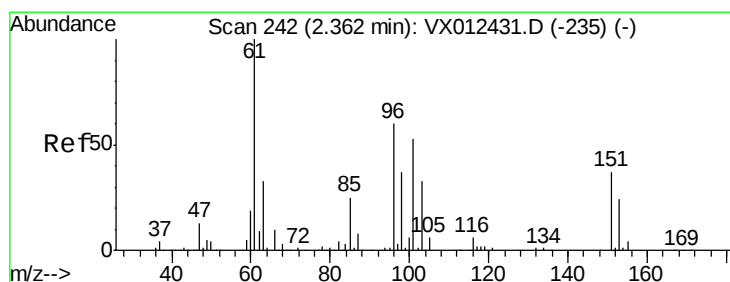
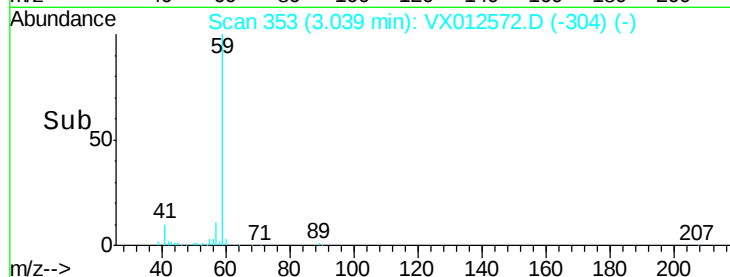
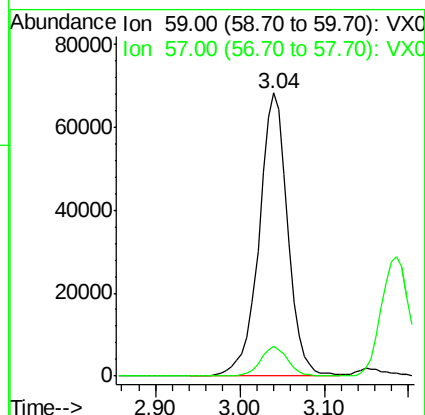
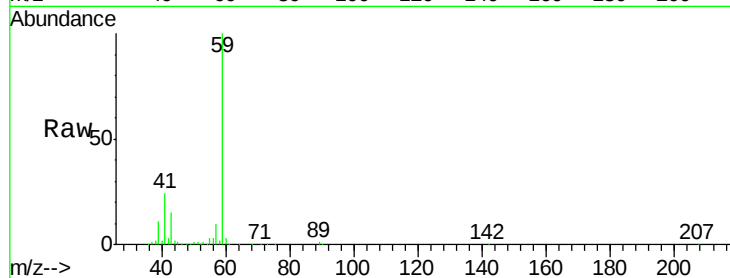


#11

Tert butyl alcohol
 Concen: 253.020 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

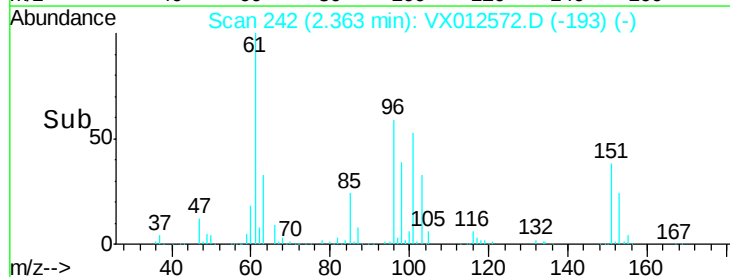
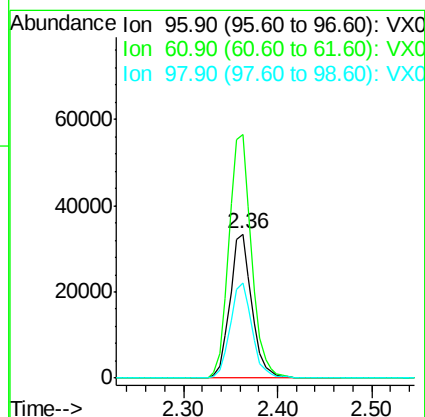
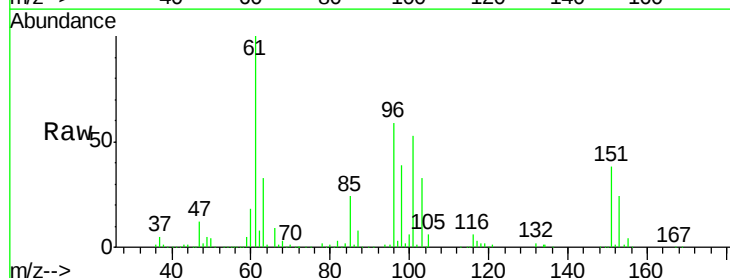
Tot Ion: 59 Resp: 158936
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.3 12.5

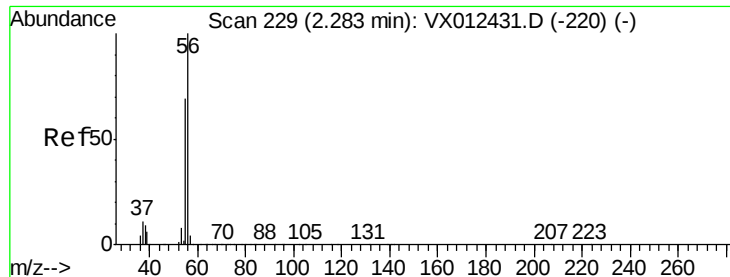


#12

1,1-Dichloroethene
 Concen: 49.683 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion: 96 Resp: 54001
 Ion Ratio Lower Upper
 96 100
 61 169.2 133.8 200.6
 98 66.5 49.9 74.9





#13

Acrolein

Concen: 245.733 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

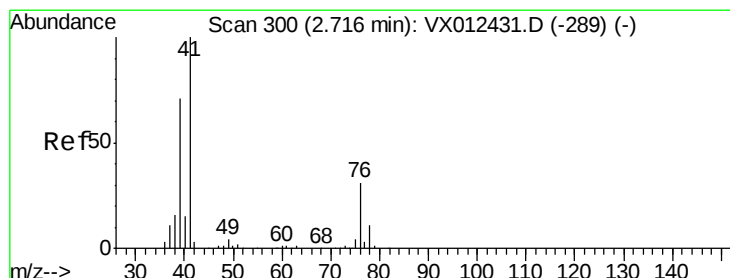
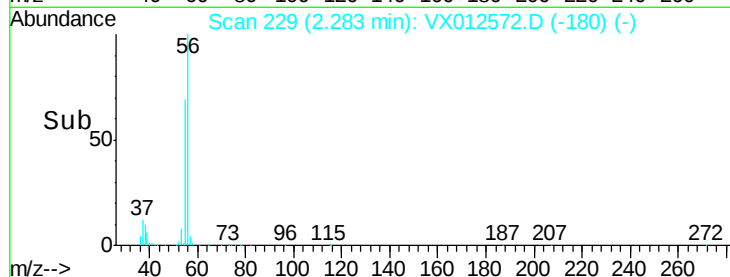
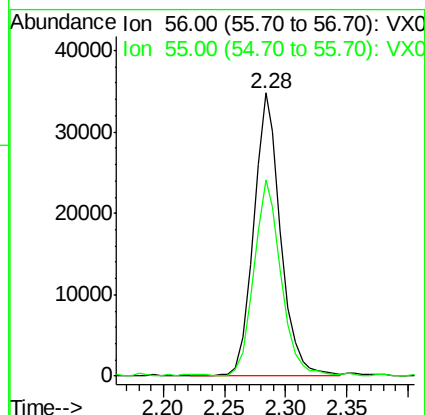
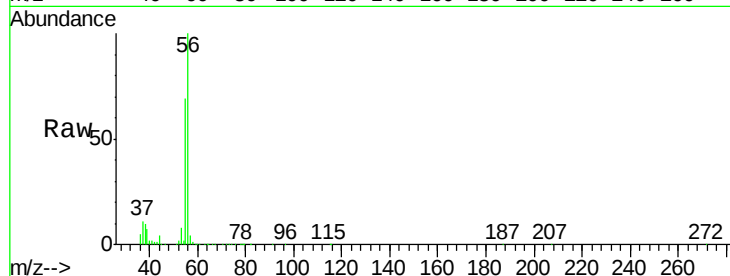
VSTDCCC050

Tot Ion: 56 Resp: 53470

Ion Ratio Lower Upper

56 100

55 68.6 55.8 83.8



#14

Allyl chloride

Concen: 50.415 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

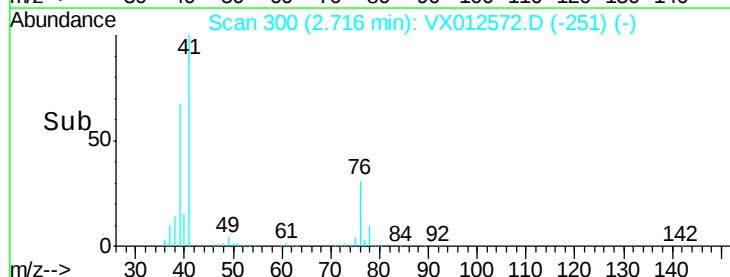
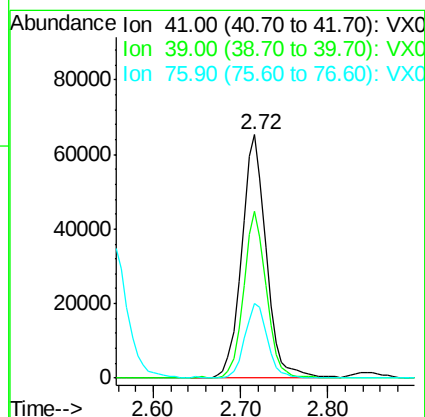
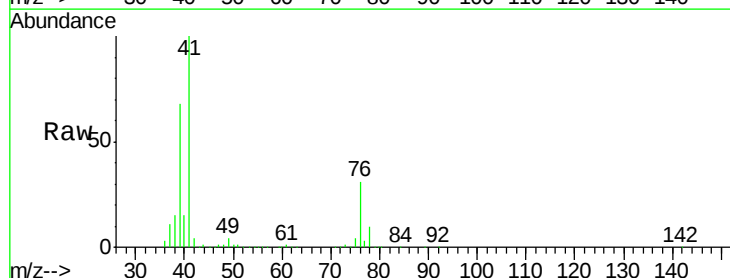
Tgt Ion: 41 Resp: 127574

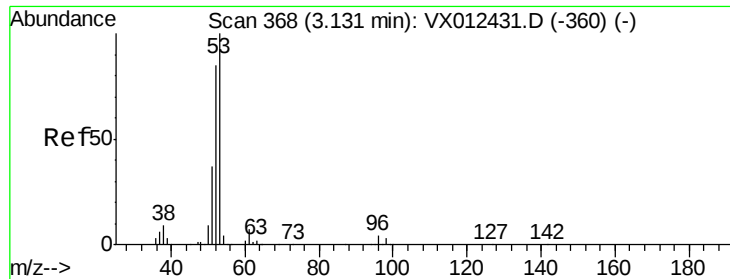
Ion Ratio Lower Upper

41 100

39 62.8 51.3 76.9

76 28.2 22.6 33.8





#15

Acrylonitrile

Concen: 262.063 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

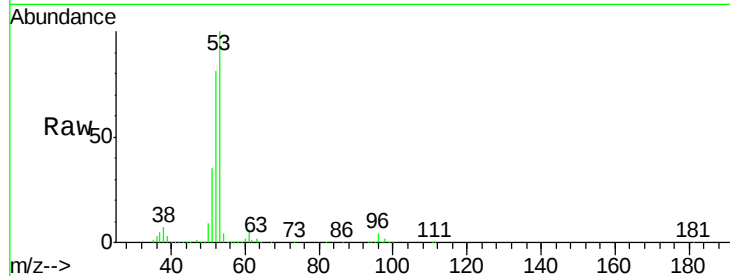
Tot Ion: 53 Resp: 281376

Ion Ratio Lower Upper

53 100

52 82.9 67.0 100.4

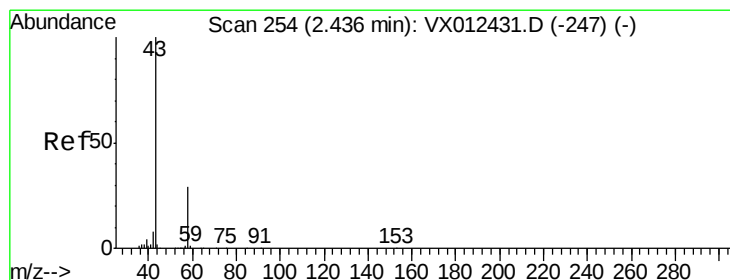
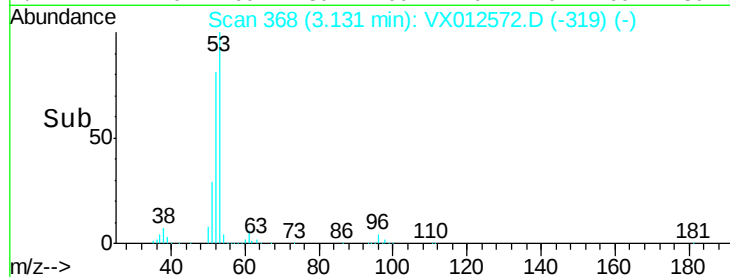
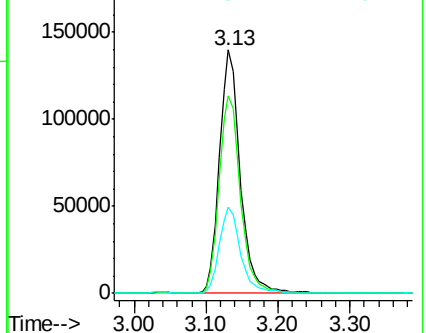
51 36.2 29.6 44.4



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: 232.768 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012572.D

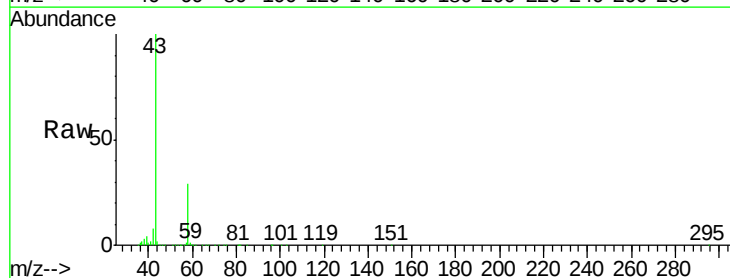
Acq: 20 Sep 2019 21:25

Tgt Ion: 43 Resp: 264145

Ion Ratio Lower Upper

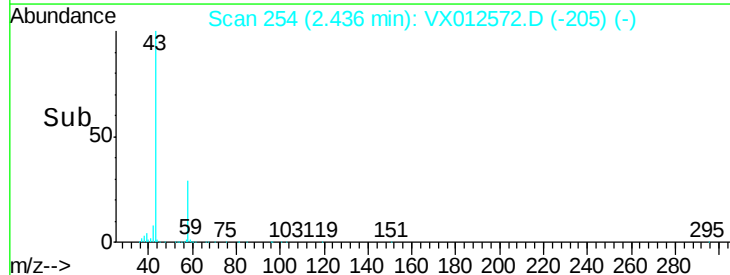
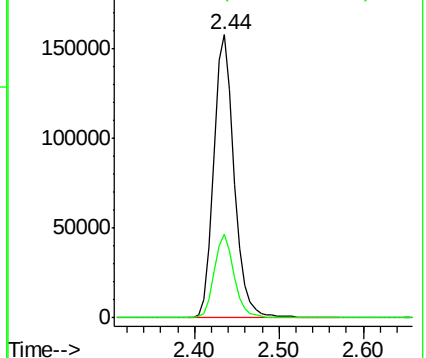
43 100

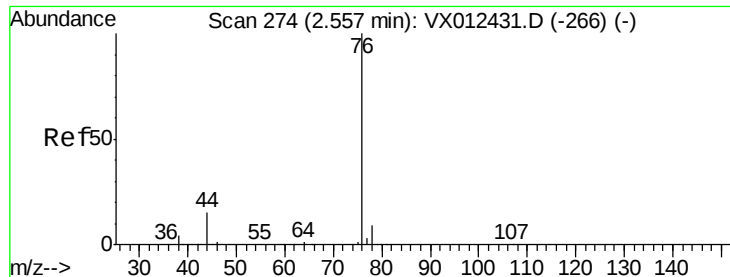
58 29.4 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

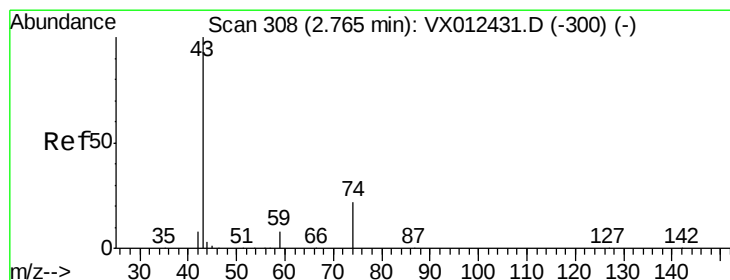
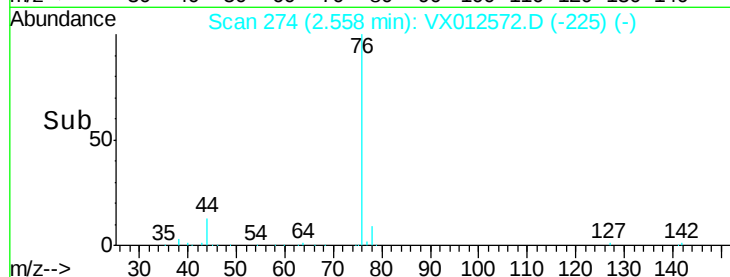
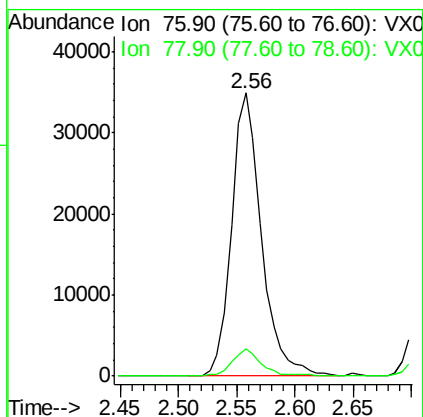
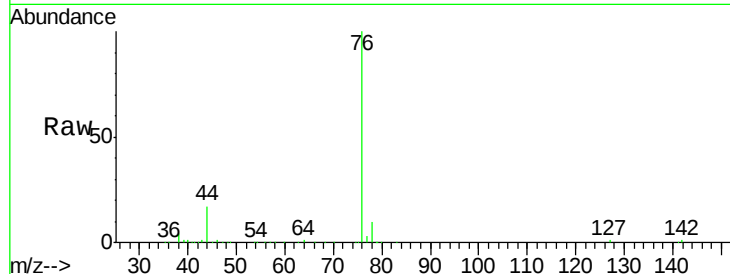




#17
Carbon Disulfide
Concen: 41.094 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

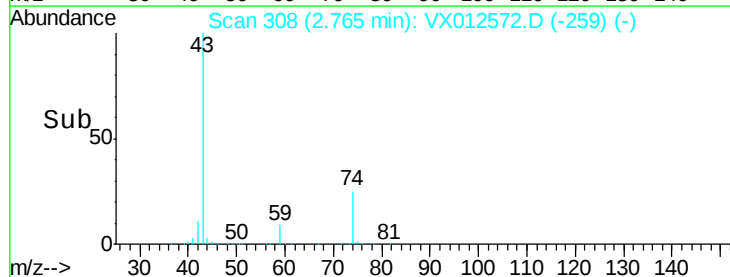
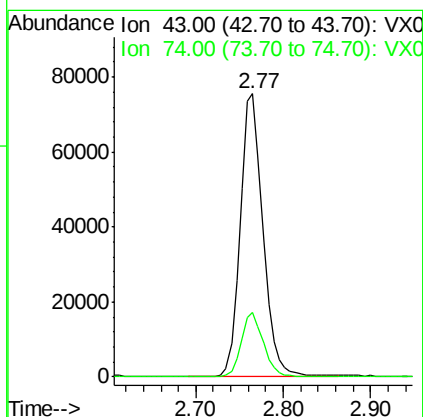
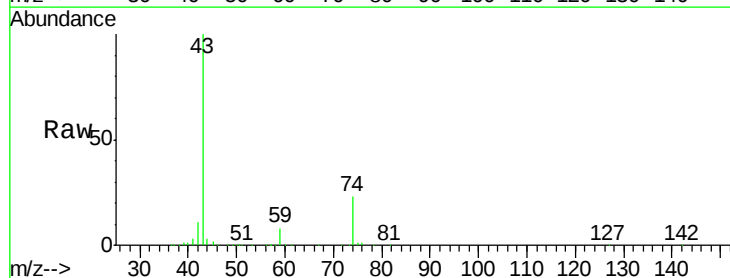
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

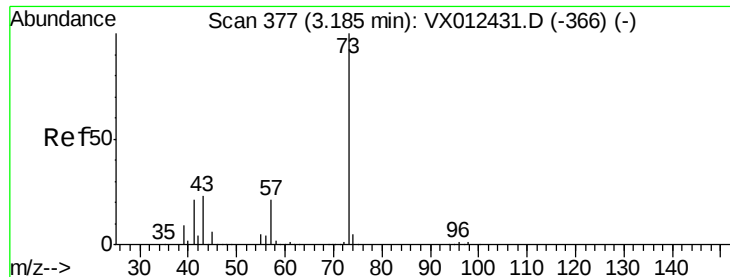
Tot Ion: 76 Resp: 62654
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9



#18
Methyl Acetate
Concen: 52.686 ug/l
RT: 2.77 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion: 43 Resp: 136030
Ion Ratio Lower Upper
43 100
74 22.4 17.7 26.5

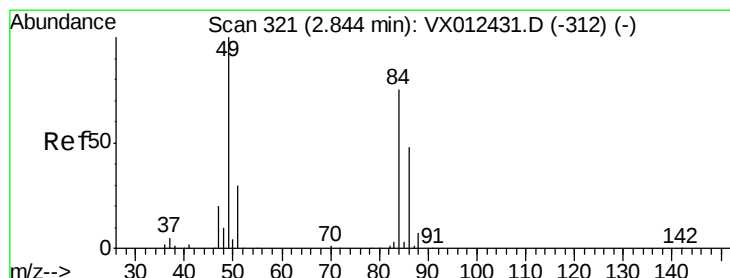
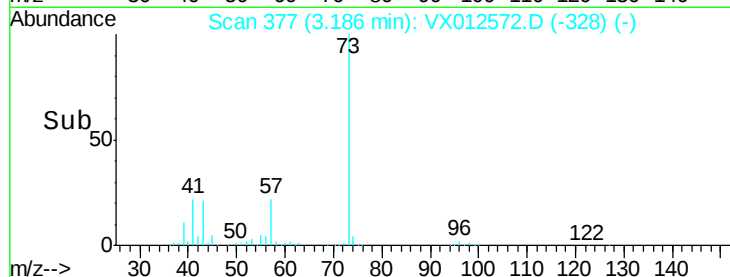
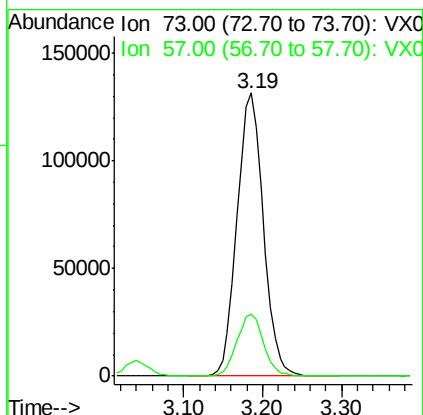
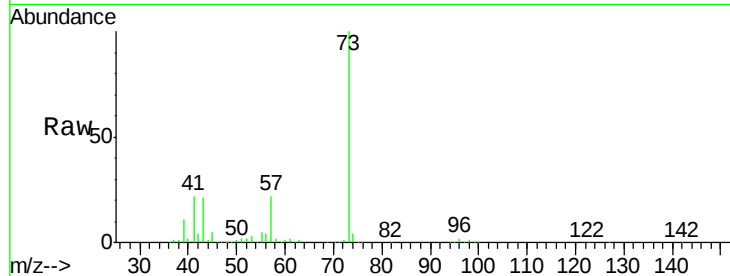




#19
Methyl tert-butyl Ether
Concen: 51.535 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

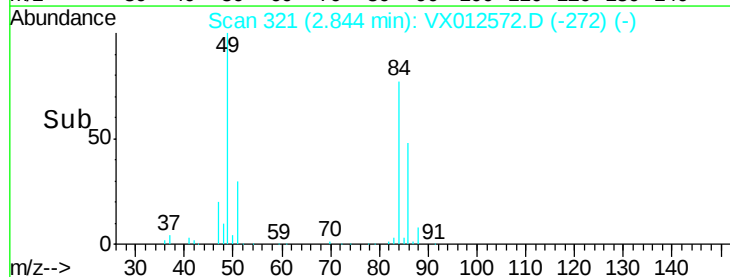
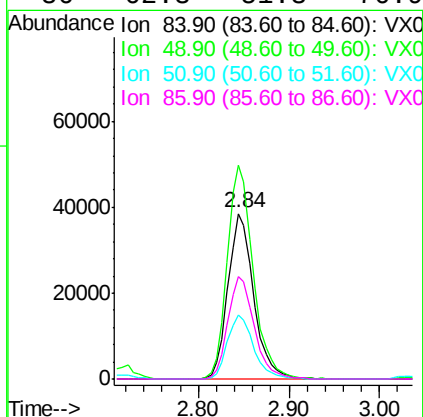
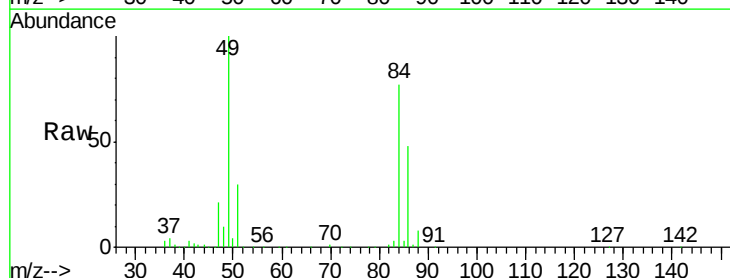
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

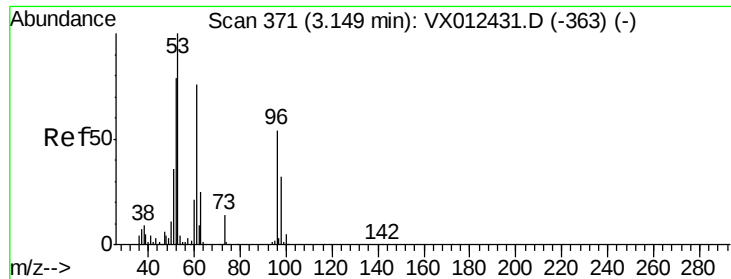
Tot Ion: 73 Resp: 305409
Ion Ratio Lower Upper
73 100
57 21.9 16.8 25.2



#20
Methylene Chloride
Concen: 50.425 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion: 84 Resp: 75613
Ion Ratio Lower Upper
84 100
49 129.1 106.8 160.2
51 38.7 32.3 48.5
86 62.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 51.052 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

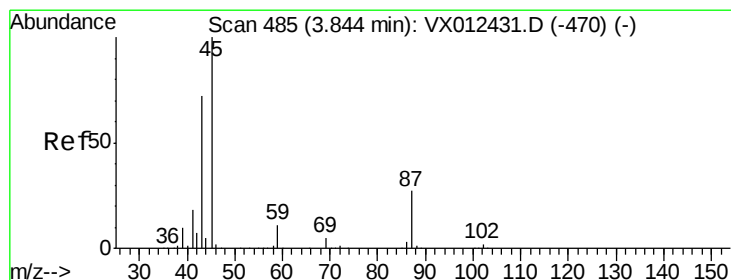
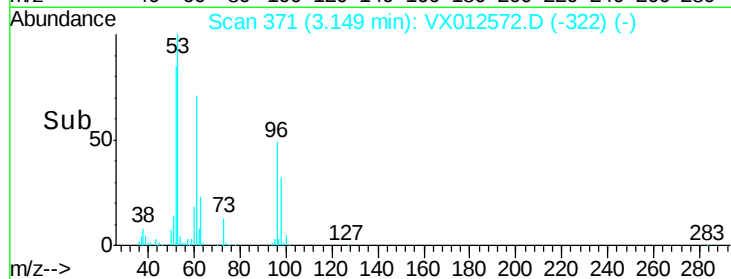
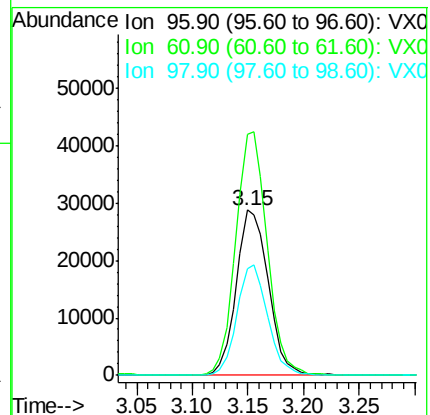
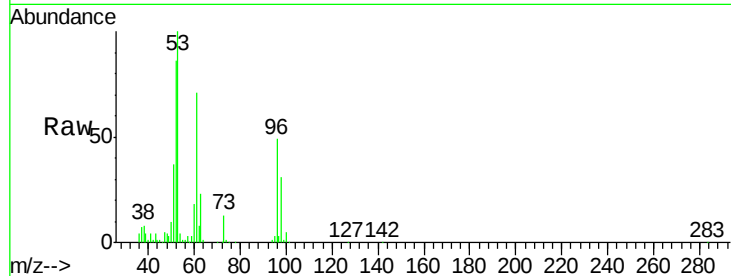
Tot Ion: 96 Resp: 57622

Ion Ratio Lower Upper

96 100

61 146.3 112.0 168.0

98 64.9 47.8 71.8



#22

Diisopropyl ether

Concen: 51.643 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Tgt Ion: 45 Resp: 305985

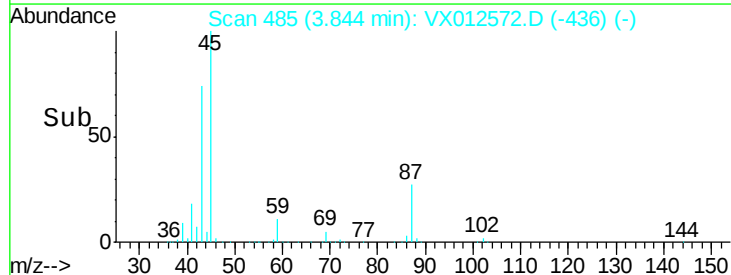
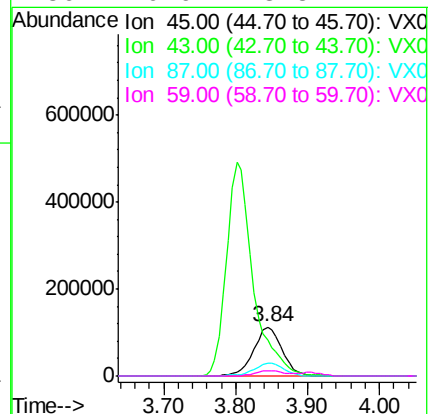
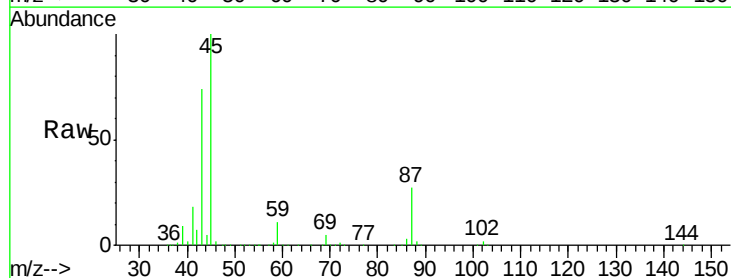
Ion Ratio Lower Upper

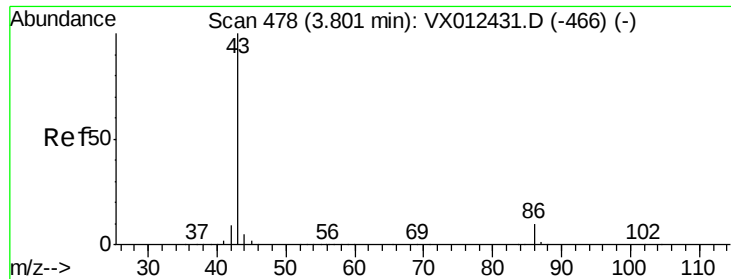
45 100

43 73.9 57.8 86.8

87 27.0 21.3 31.9

59 10.9 8.5 12.7





#23

Vinyl Acetate

Concen: 259.967 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampled :

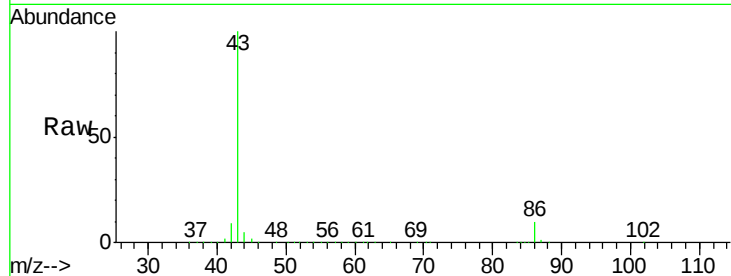
VSTDCCC050

Tot Ion: 43 Resp: 1267051

Ion Ratio Lower Upper

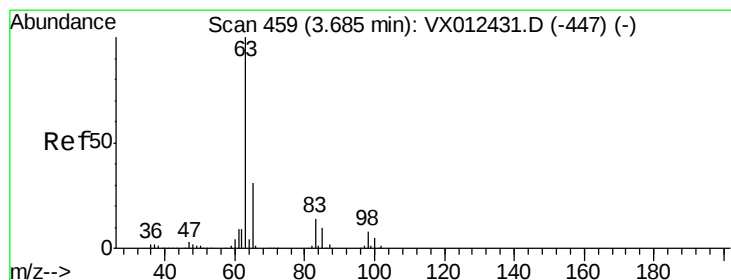
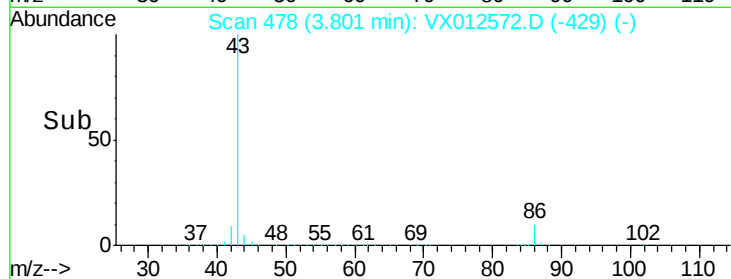
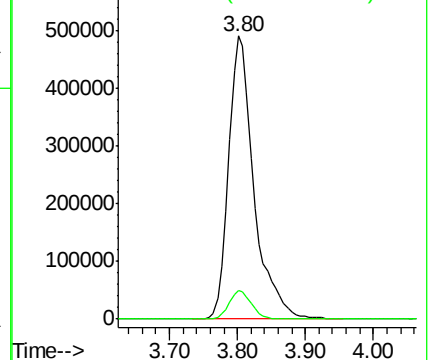
43 100

86 10.1 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 52.010 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

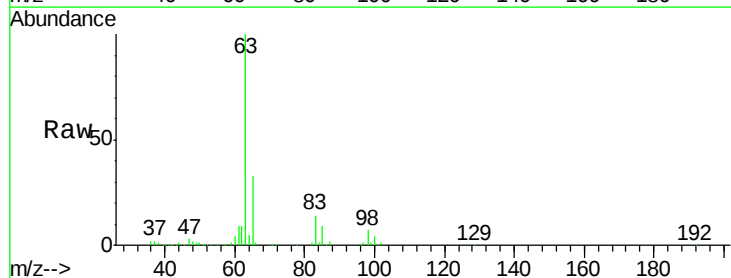
Tgt Ion: 63 Resp: 147440

Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.7

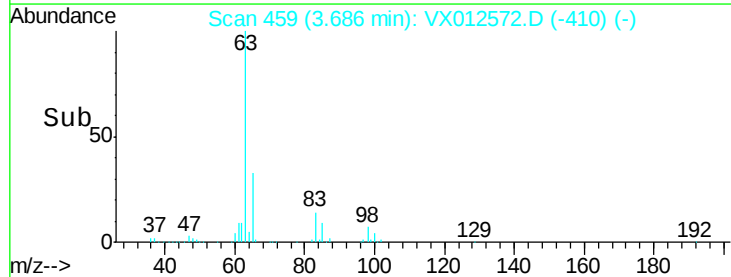
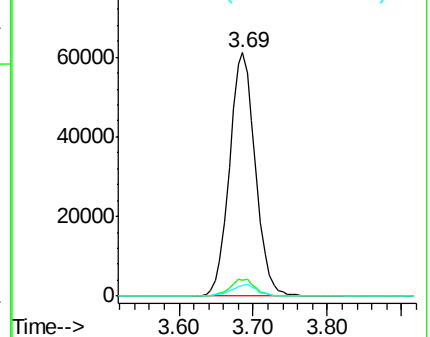
100 4.5 2.3 6.9

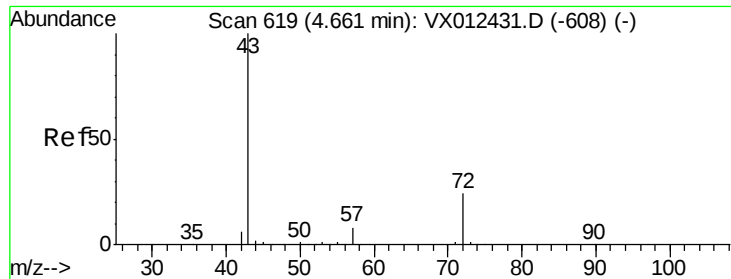


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 242.752 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

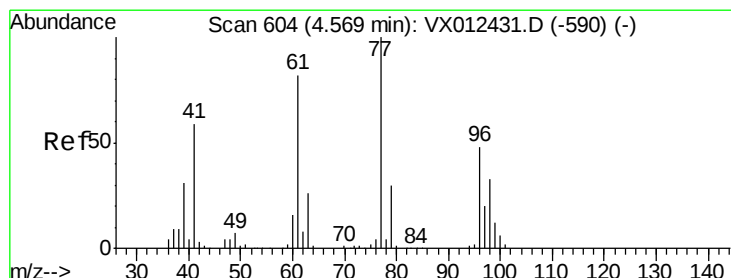
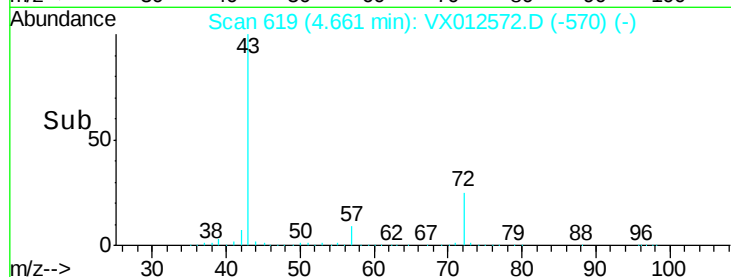
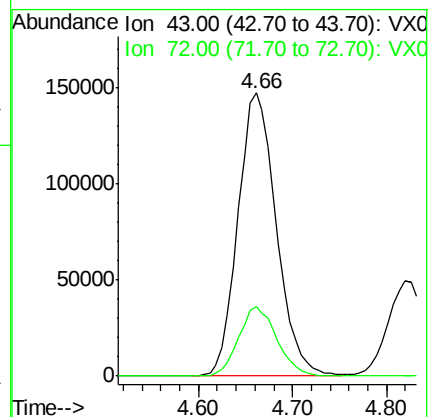
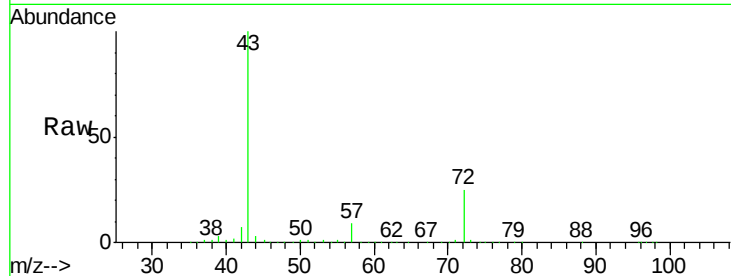
VSTDCCC050

Tot Ion: 43 Resp: 417221

Ion Ratio Lower Upper

43 100

72 24.4 19.2 28.8



#26

2,2-Dichloropropane

Concen: 42.033 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012572.D

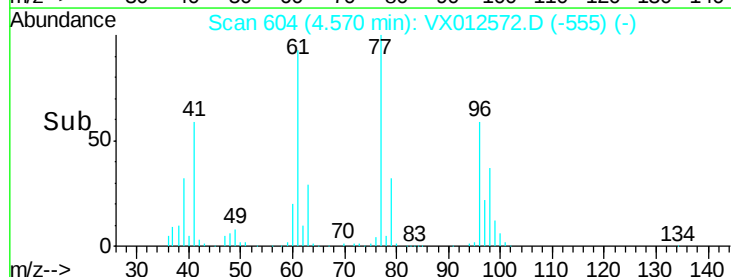
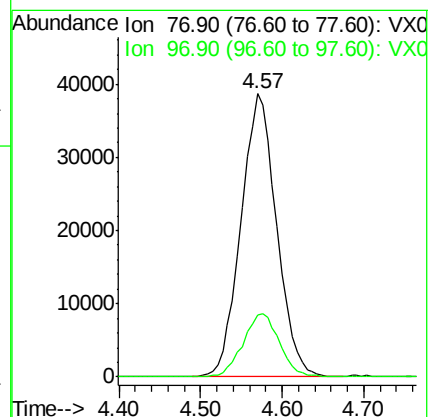
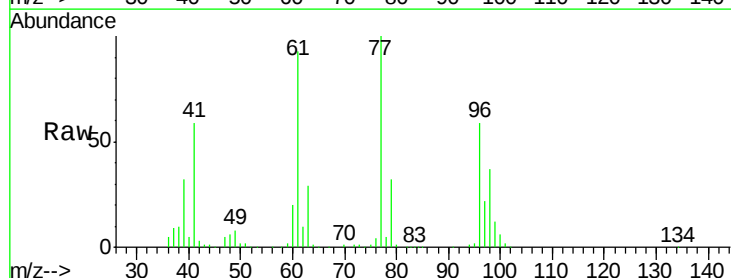
Acq: 20 Sep 2019 21:25

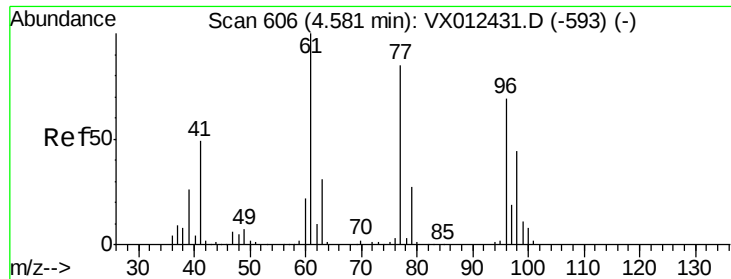
Tgt Ion: 77 Resp: 117188

Ion Ratio Lower Upper

77 100

97 22.8 10.5 31.6



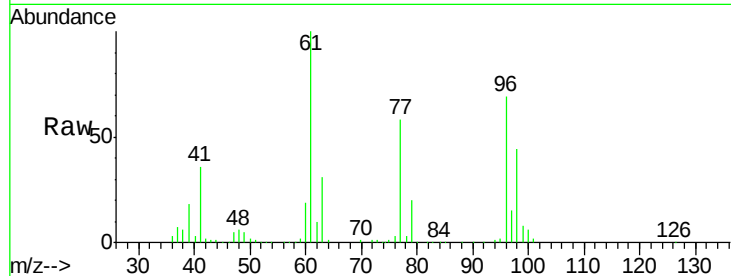


#27

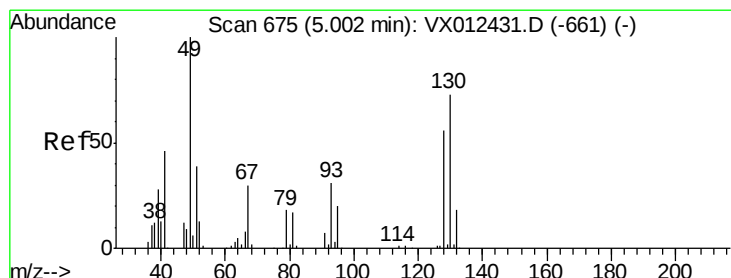
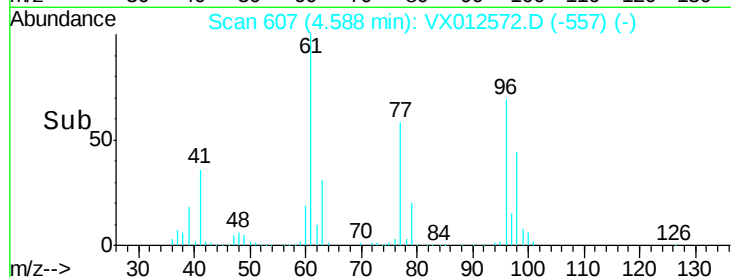
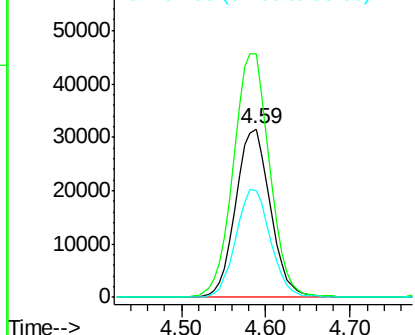
cis-1,2-Dichloroethene
Concen: 52.058 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 87774
Ion Ratio Lower Upper
96 100
61 152.0 0.0 319.4
98 64.0 0.0 130.6



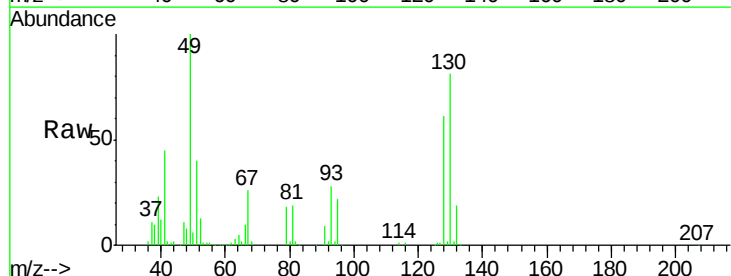
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



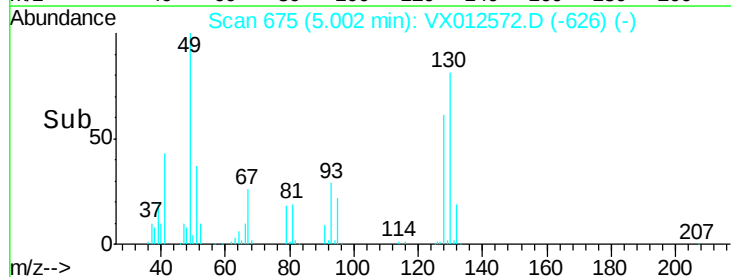
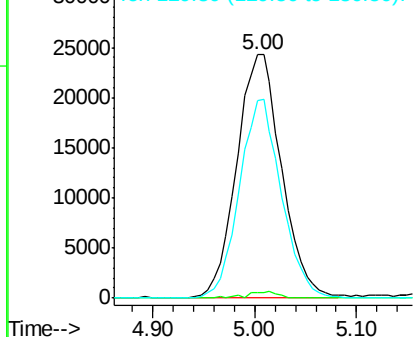
#28

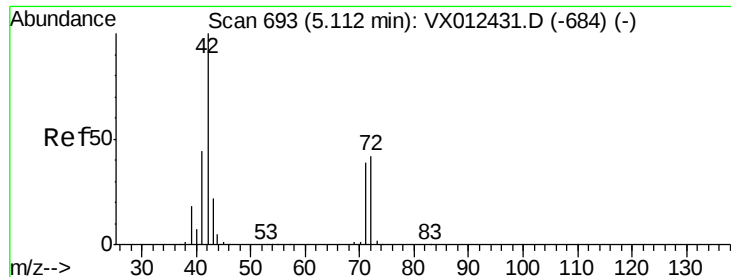
Bromochloromethane
Concen: 50.824 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion: 49 Resp: 74279
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.8
130 76.4 58.2 87.4



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 266.501 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

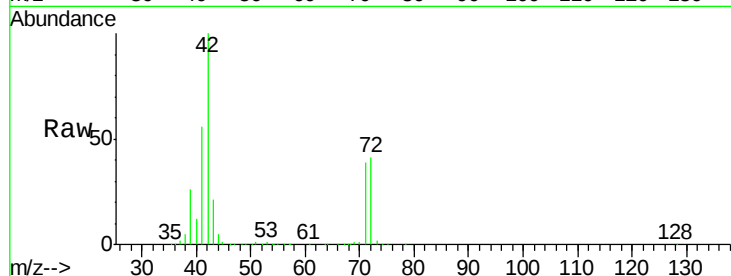
Tot Ion: 42 Resp: 253038

Ion Ratio Lower Upper

42 100

72 42.5 34.0 51.0

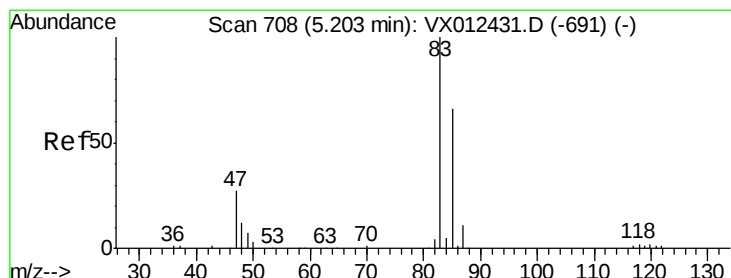
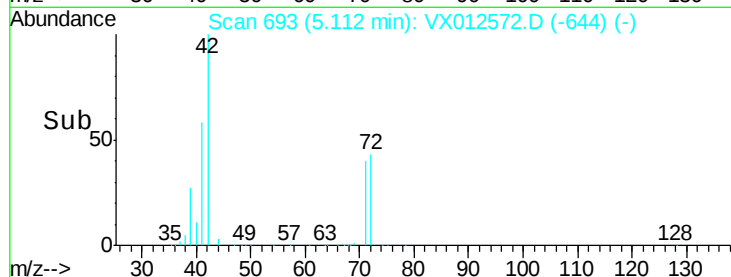
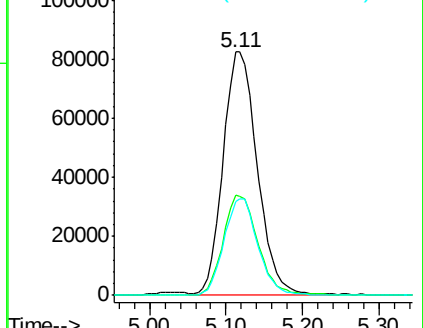
71 39.5 31.5 47.3



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: 49.791 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX012572.D

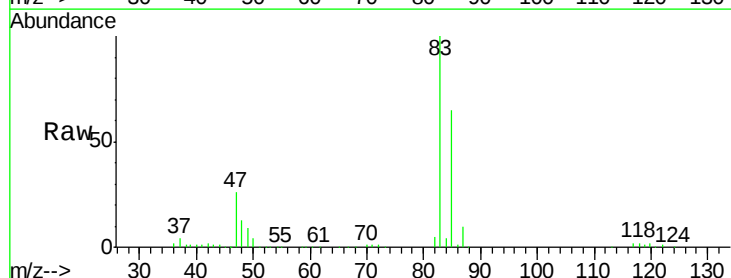
Acq: 20 Sep 2019 21:25

Tgt Ion: 83 Resp: 162107

Ion Ratio Lower Upper

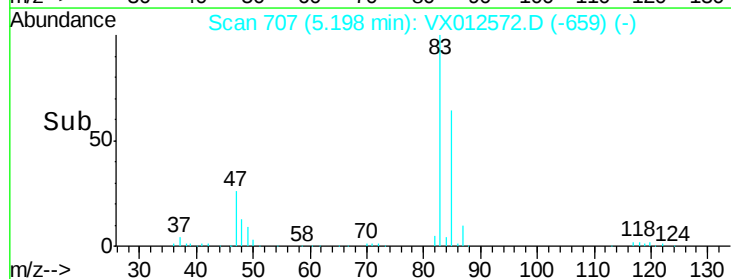
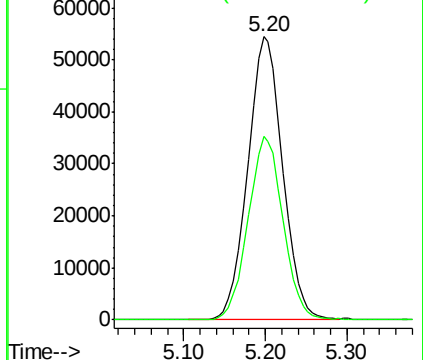
83 100

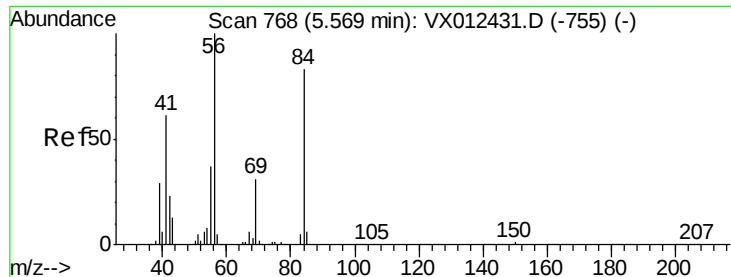
85 65.0 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

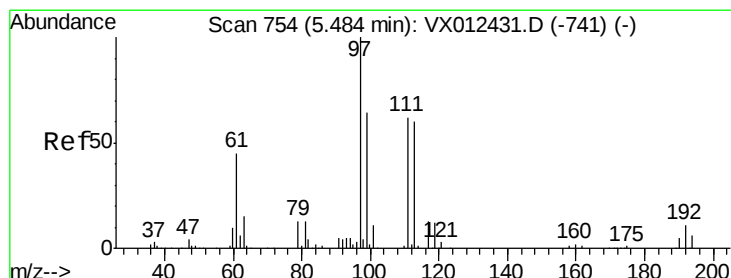
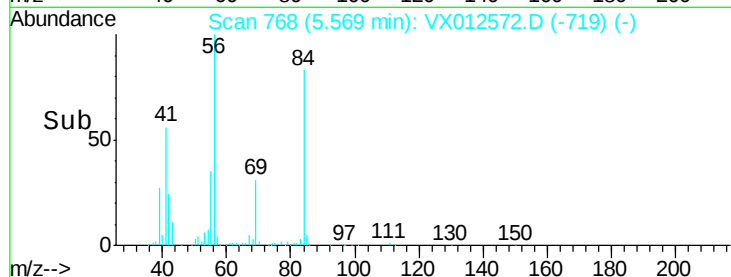
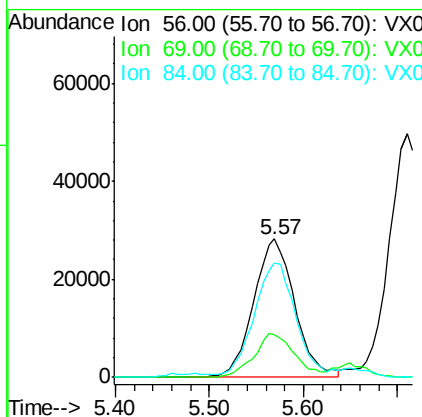
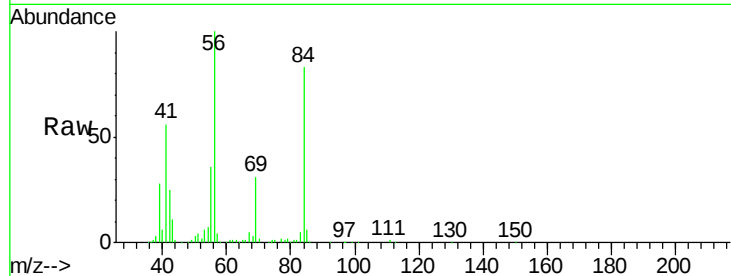




#31
Cyclohexane
Concen: 50.343 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

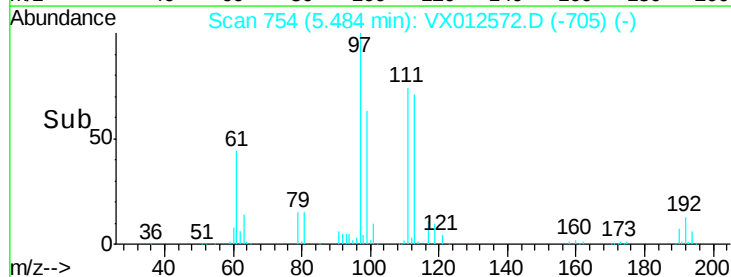
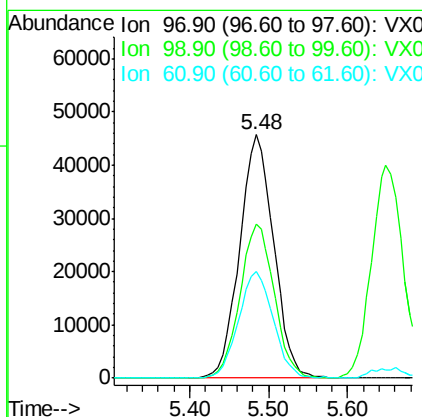
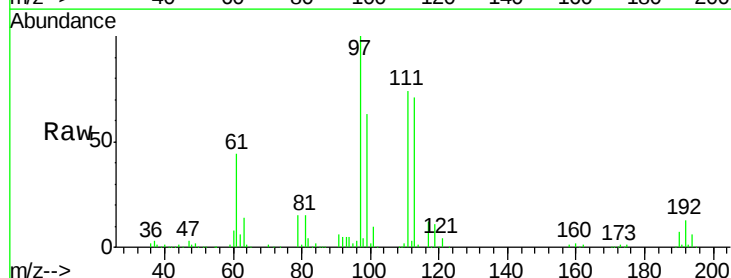
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

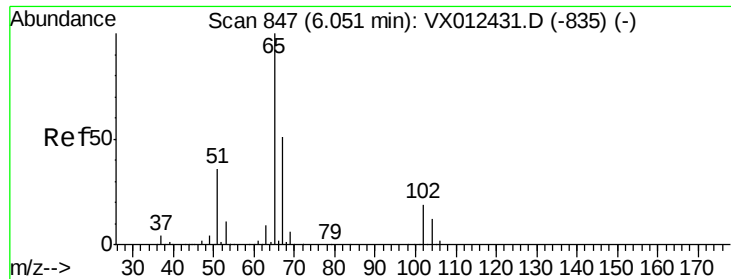
Tot Ion: 56 Resp: 86152
Ion Ratio Lower Upper
56 100
69 30.9 25.0 37.6
84 80.5 66.4 99.6



#32
1,1,1-Trichloroethane
Concen: 50.366 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion: 97 Resp: 137053
Ion Ratio Lower Upper
97 100
99 63.4 51.3 76.9
61 44.6 36.1 54.1





#33

1,2-Dichloroethane-d4

Concen: 51.535 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

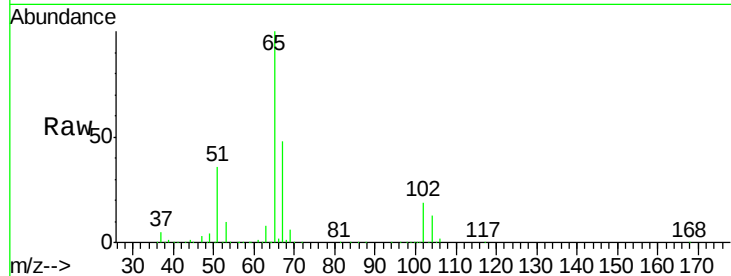
VSTDCCC050

Tot Ion: 65 Resp: 127690

Ion Ratio Lower Upper

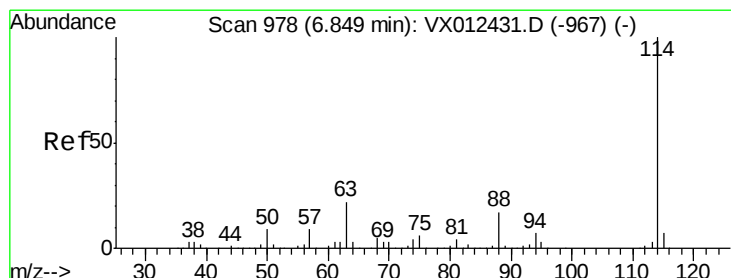
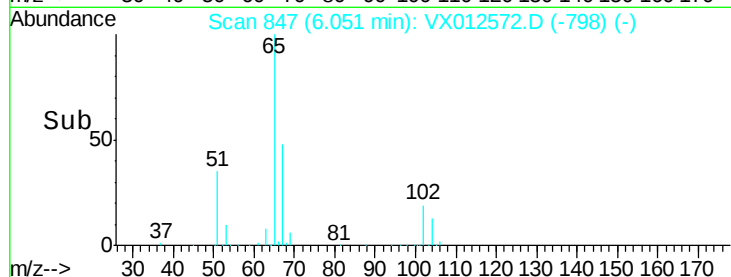
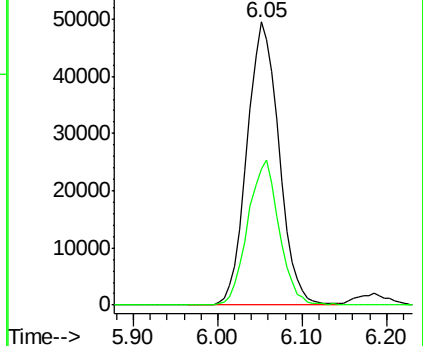
65 100

67 50.1 0.0 101.2



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

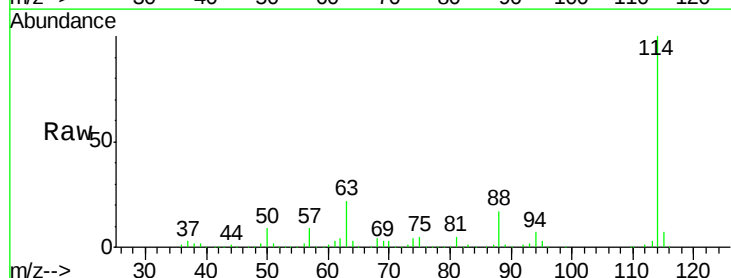
Tgt Ion: 114 Resp: 295130

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

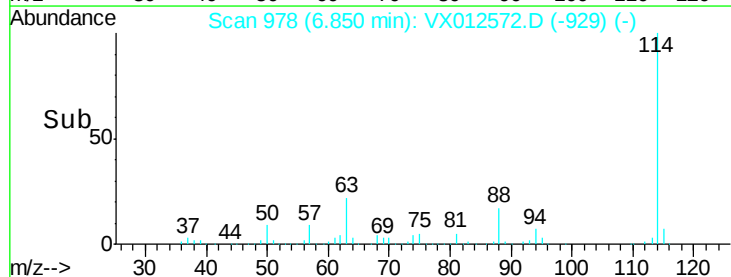
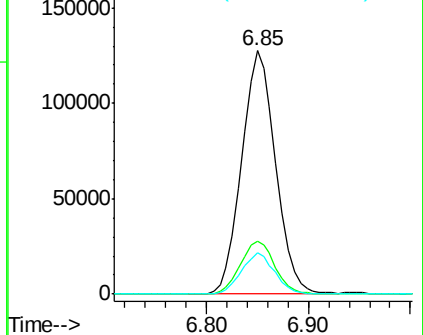
88 17.1 0.0 33.2

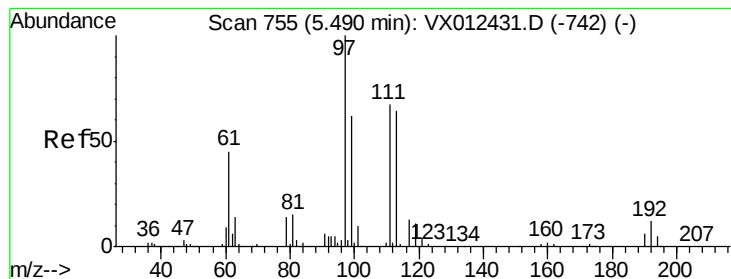


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.974 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

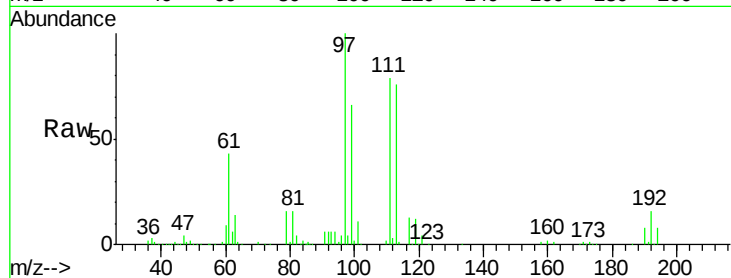
Tot Ion:113 Resp: 94628

Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.2

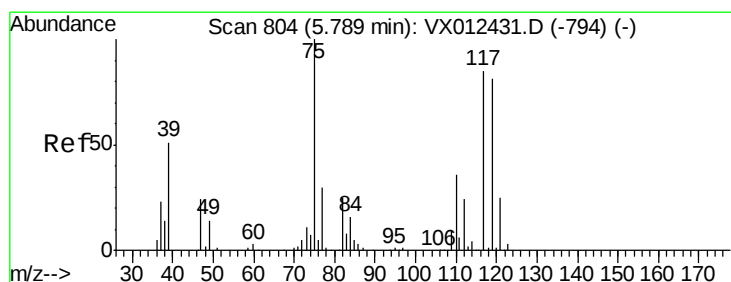
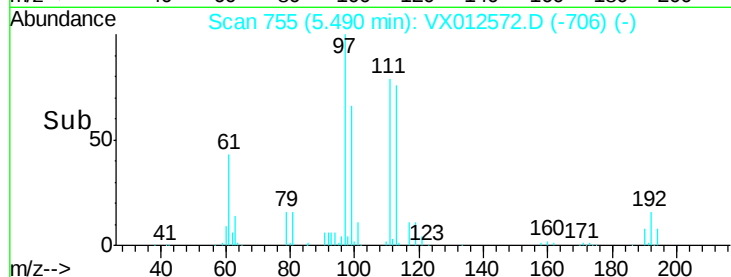
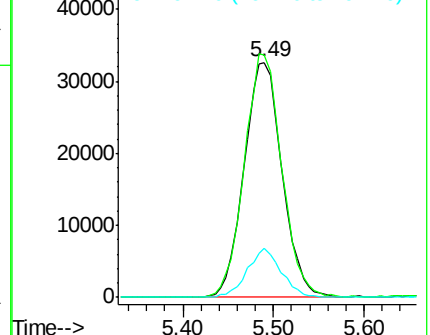
192 18.7 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.631 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

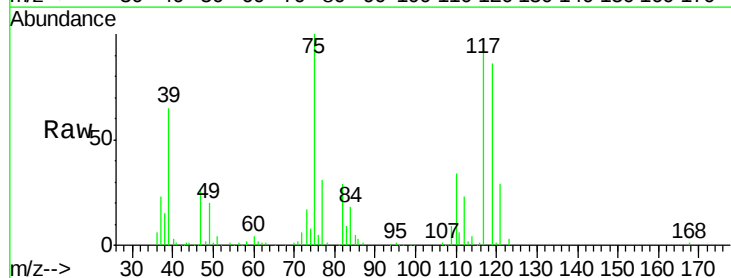
Tgt Ion: 75 Resp: 87227

Ion Ratio Lower Upper

75 100

110 35.3 16.7 50.0

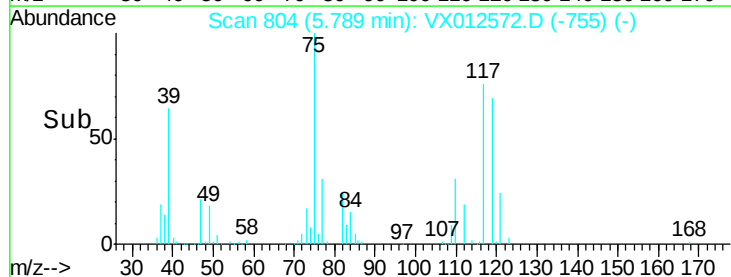
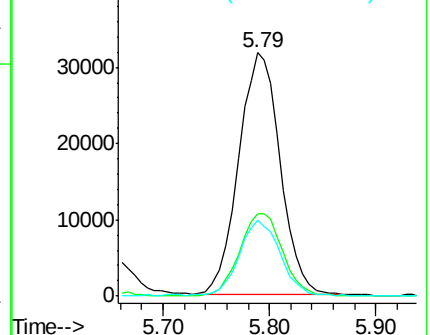
77 30.6 24.2 36.2

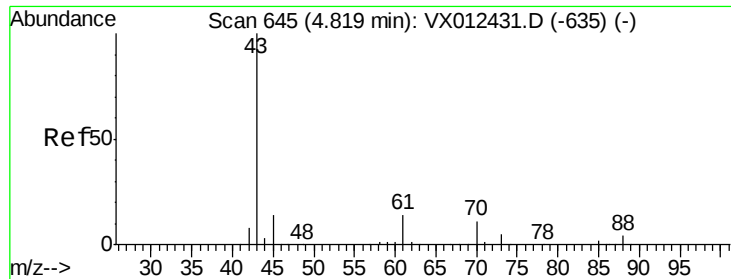


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

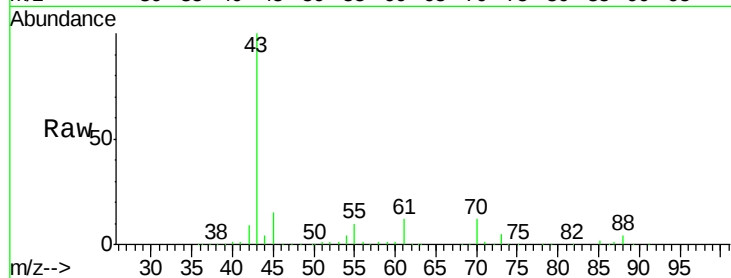




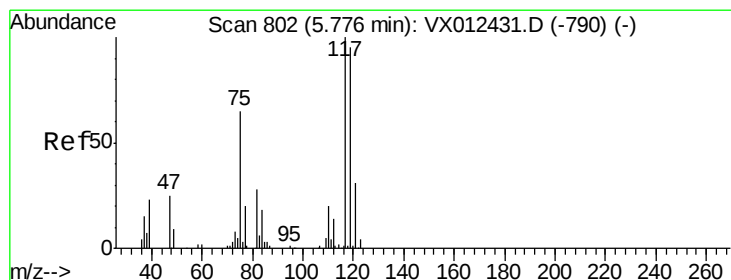
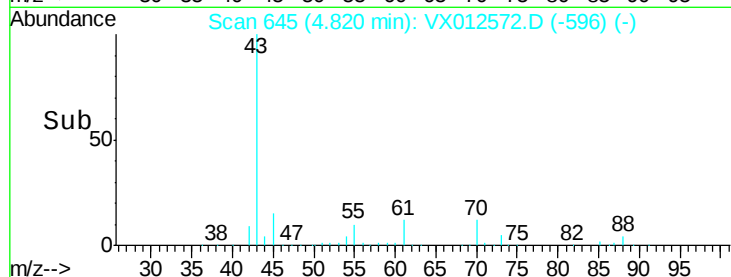
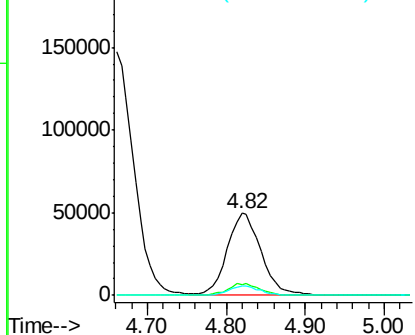
#37
Ethyl Acetate
Concen: 52.963 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 145820
Ion Ratio Lower Upper
43 100
61 13.5 10.2 15.4
70 11.3 8.7 13.1

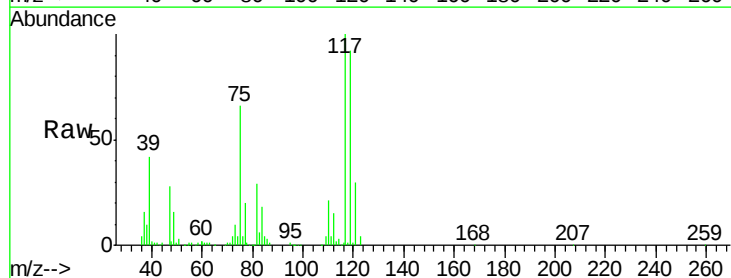


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

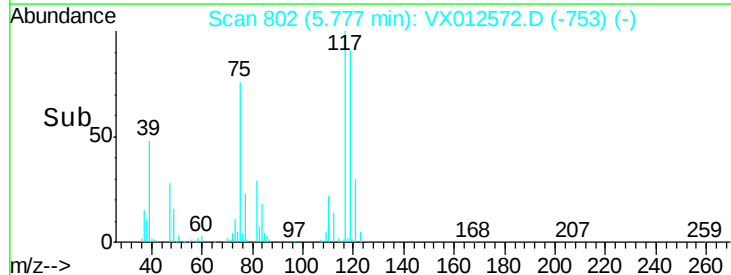
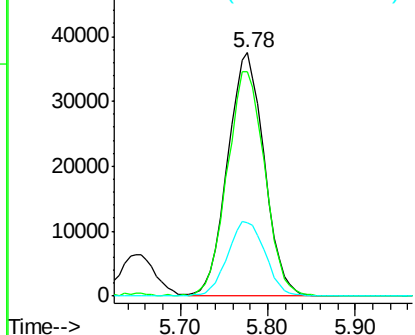


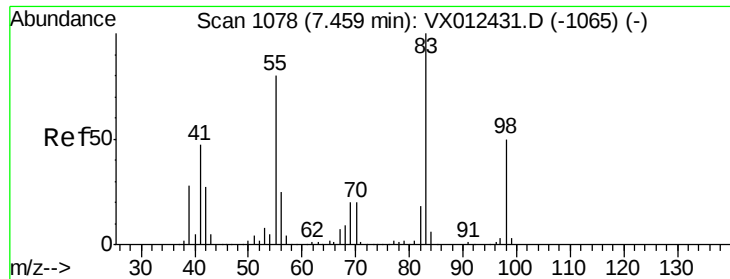
#38
Carbon Tetrachloride
Concen: 48.837 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion: 117 Resp: 108947
Ion Ratio Lower Upper
117 100
119 92.1 75.7 113.5
121 30.3 24.2 36.4



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

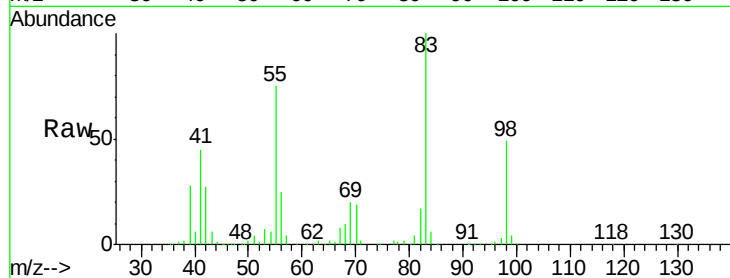




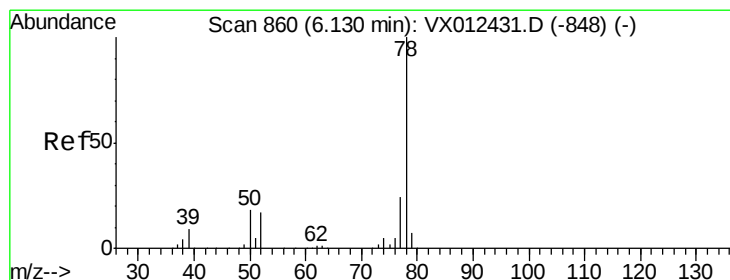
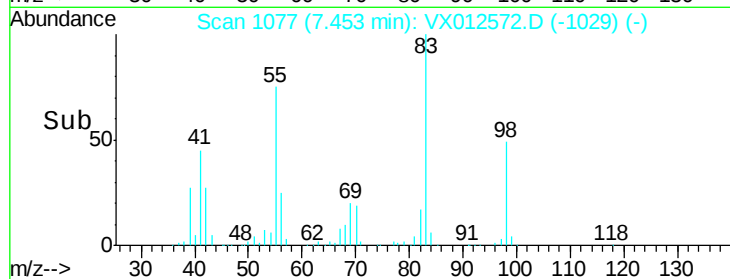
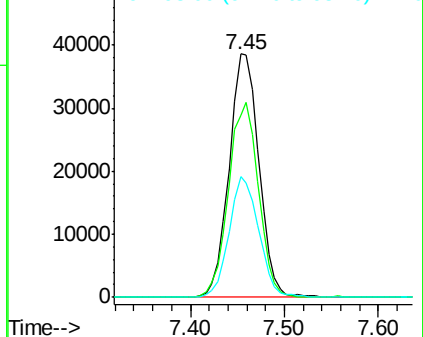
#39
Methvlcvclohexane
Concen: 48.747 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 84999
Ion Ratio Lower Upper
83 100
55 74.7 64.4 96.6
98 49.4 40.1 60.1

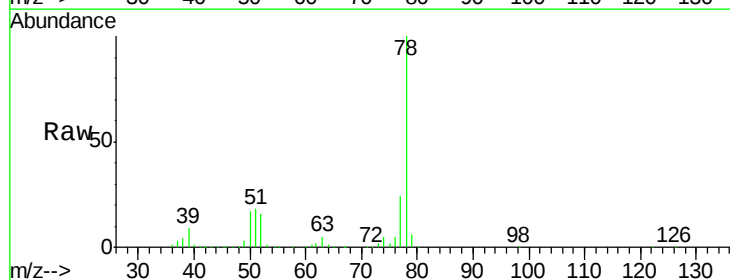


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

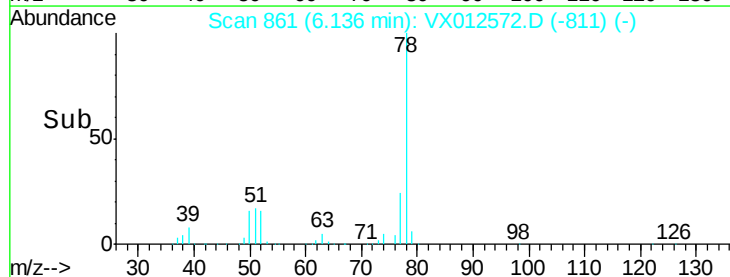
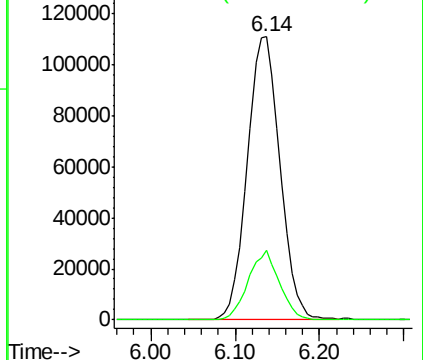


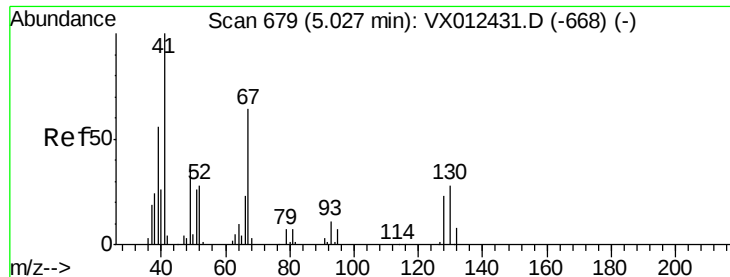
#40
Benzene
Concen: 51.337 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion: 78 Resp: 292816
Ion Ratio Lower Upper
78 100
77 24.4 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

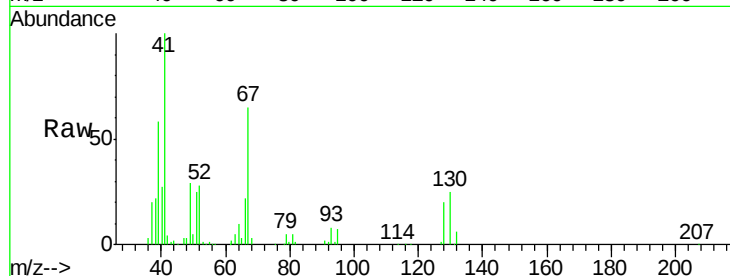




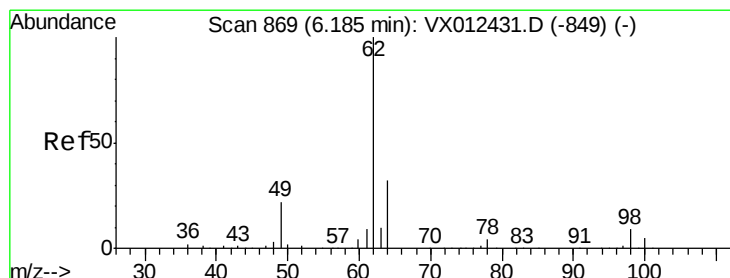
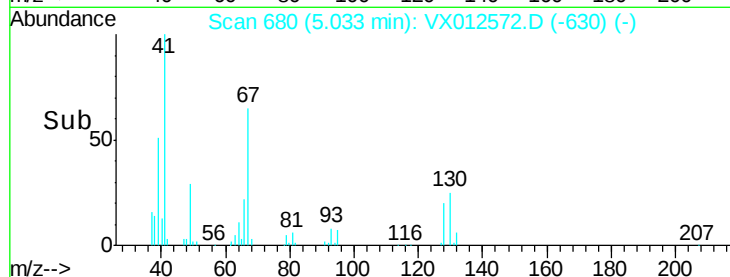
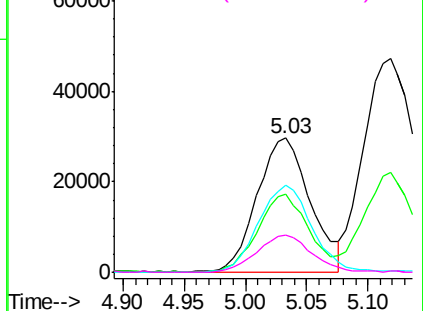
#41
Methacrylonitrile
Concen: 50.337 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	89239
Ion	Ratio	Lower	Upper
41	100		
39	54.8	46.0	69.0
67	65.8	52.2	78.2
52	28.0	22.7	34.1

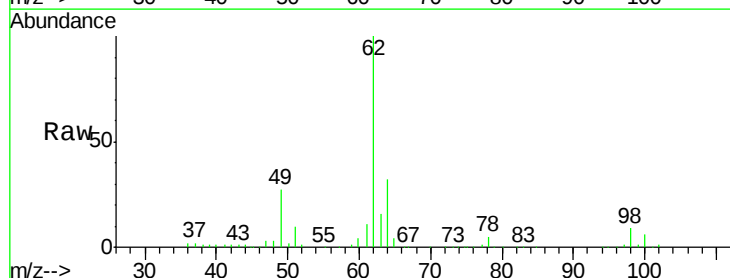


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

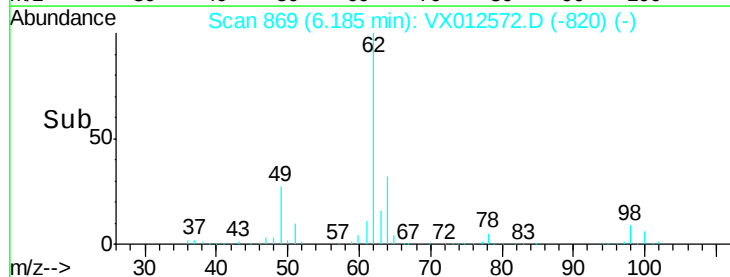
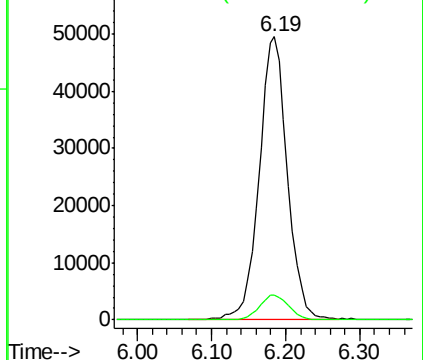


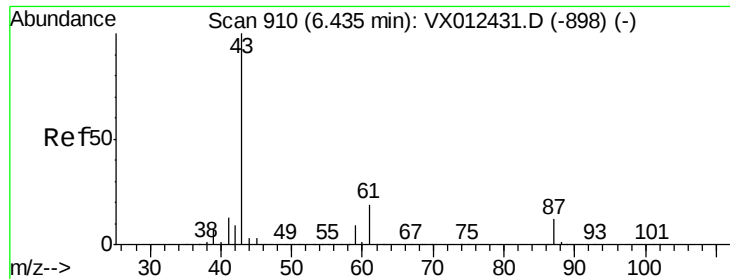
#42
1,2-Dichloroethane
Concen: 49.427 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion:	62	Resp:	130757
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



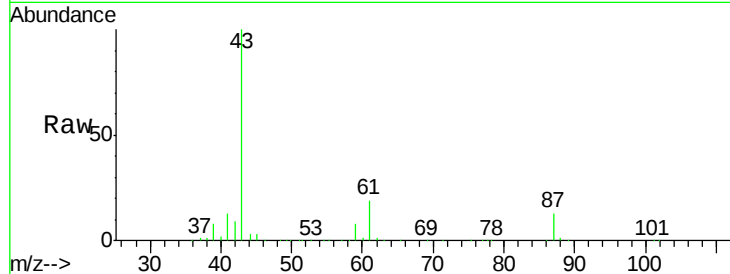


#43

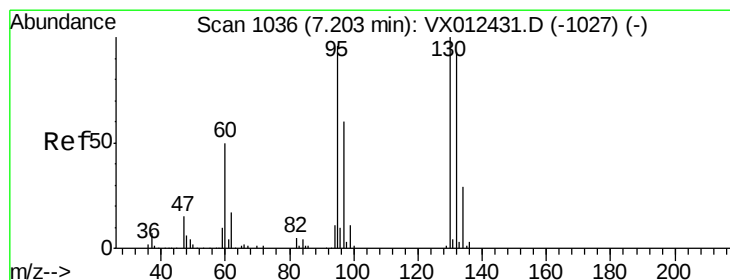
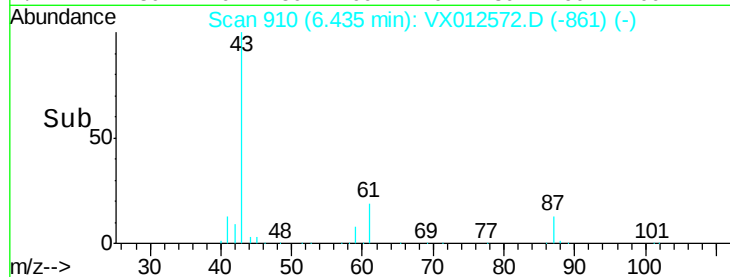
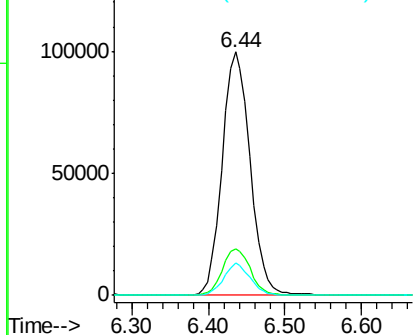
Isopropyl Acetate
 Concen: 50.871 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	251387
Ion Ratio	Lower	Upper	
43	100		
61	19.3	15.4	23.0
87	12.6	9.8	14.8



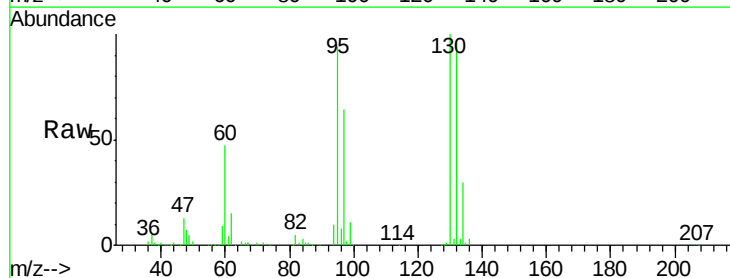
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



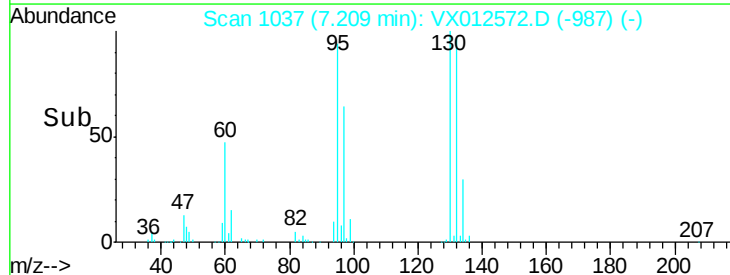
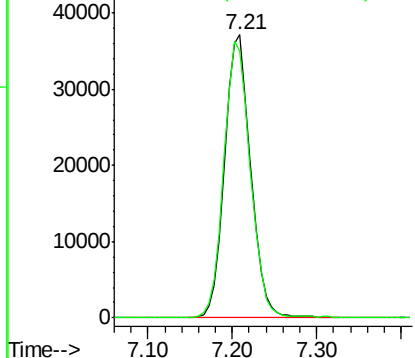
#44

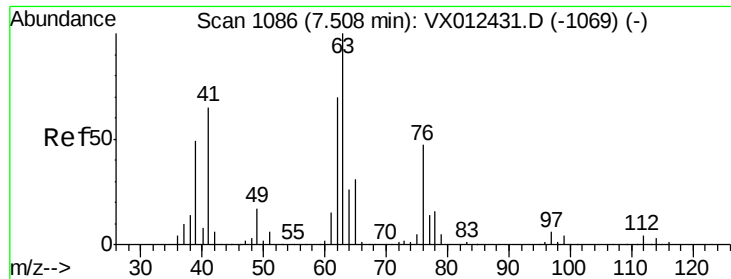
Trichloroethene
 Concen: 52.410 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion	130	Resp	78635
Ion Ratio	Lower	Upper	
130	100		
95	94.1	0.0	193.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 51.669 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

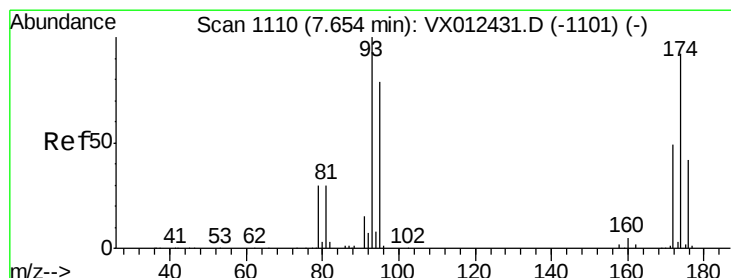
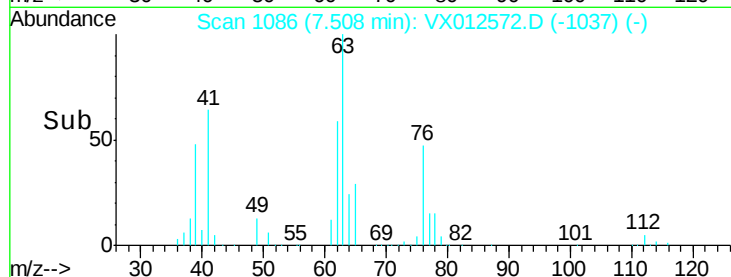
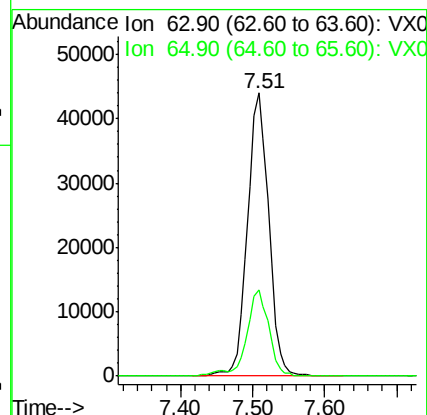
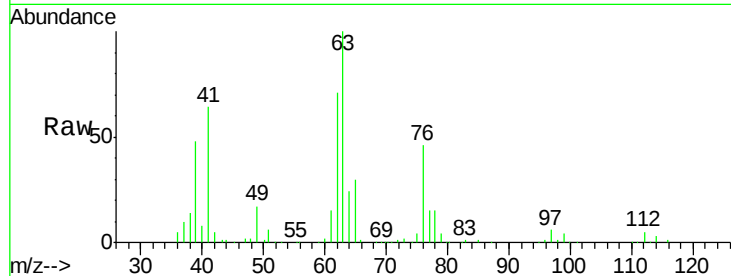
VSTDCCC050

Tot Ion: 63 Resp: 90542

Ion Ratio Lower Upper

63 100

65 30.4 25.0 37.6



#46

Dibromomethane

Concen: 50.206 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

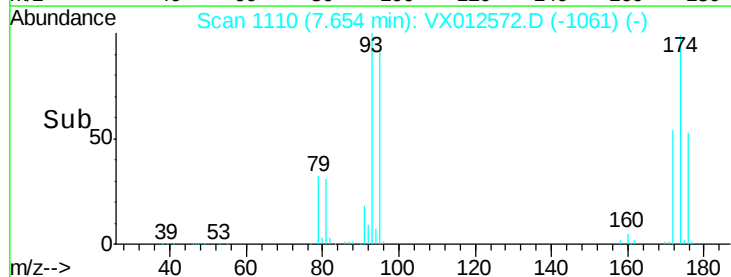
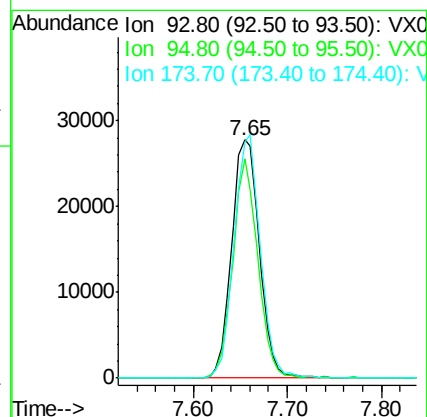
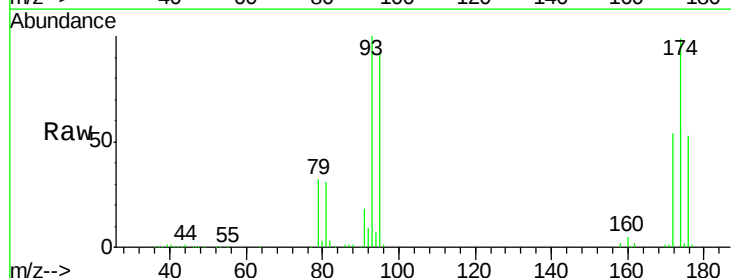
Tgt Ion: 93 Resp: 56933

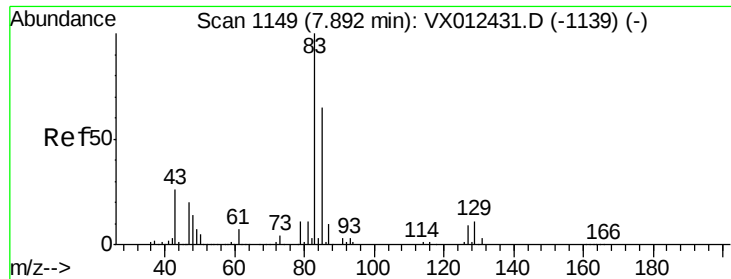
Ion Ratio Lower Upper

93 100

95 83.0 66.6 100.0

174 96.6 77.4 116.0

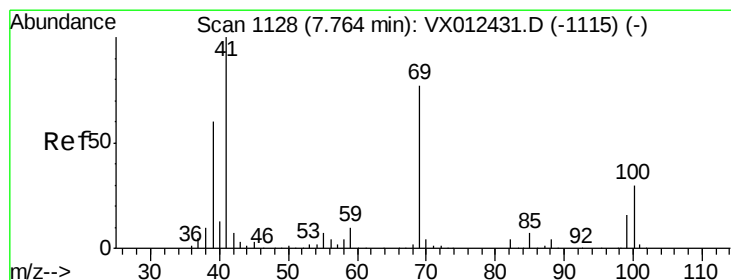
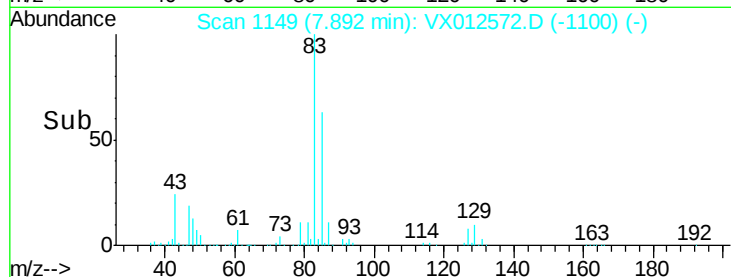
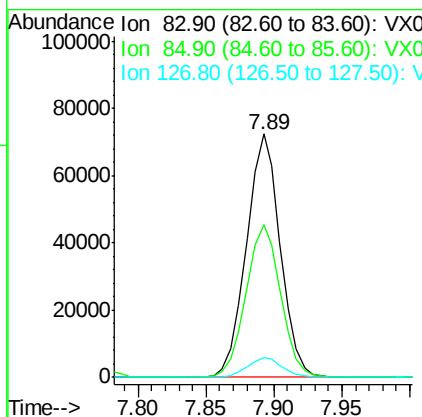
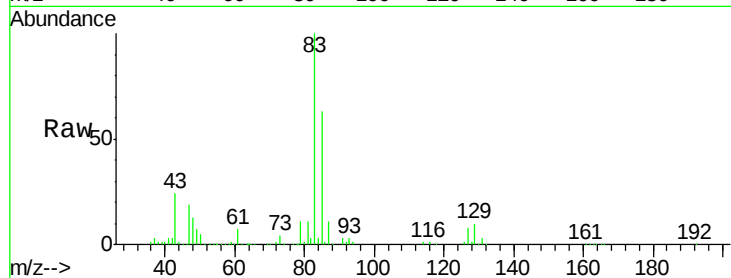




#47
 Bromodichloromethane
 Concen: 49.994 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

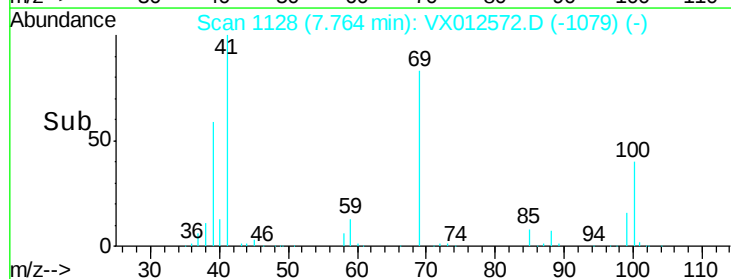
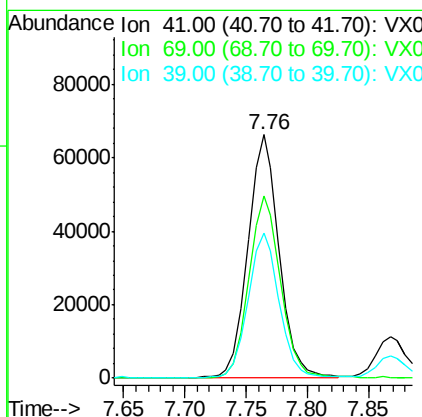
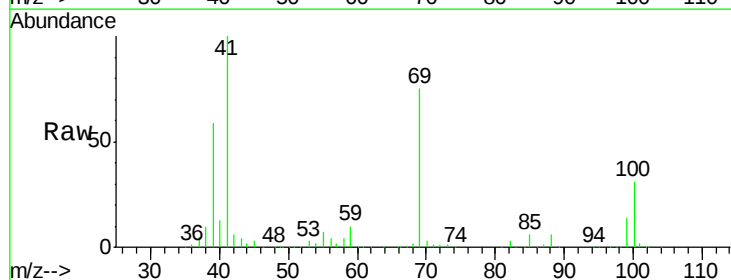
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

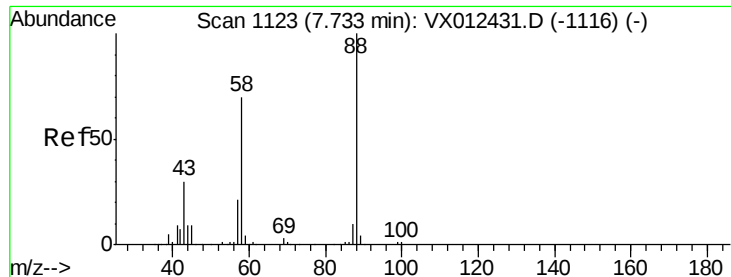
Tot Ion: 83 Resp: 126230
 Ion Ratio Lower Upper
 83 100
 85 62.7 51.8 77.6
 127 8.2 7.3 10.9



#48
 Methyl methacrylate
 Concen: 50.280 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion: 41 Resp: 117123
 Ion Ratio Lower Upper
 41 100
 69 76.6 59.9 89.9
 39 59.8 47.8 71.6





#49

1,4-Dioxane

Concen: 1045.594 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

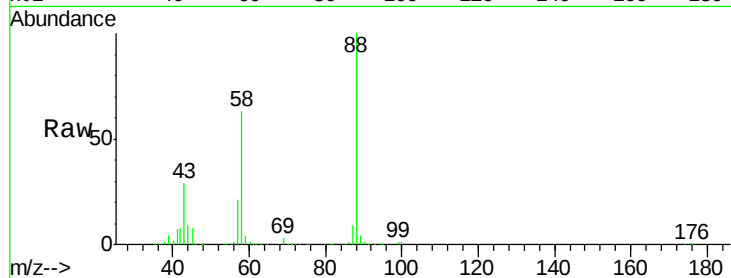
Tot Ion: 88 Resp: 59279

Ion Ratio Lower Upper

88 100

43 34.1 29.4 44.0

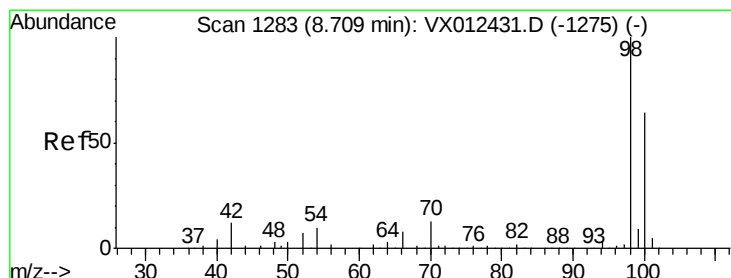
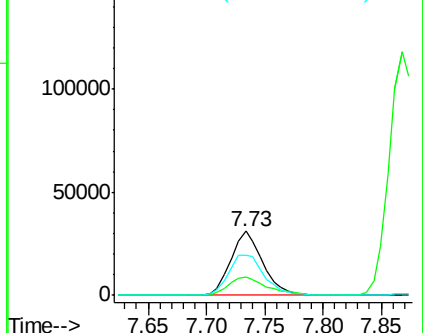
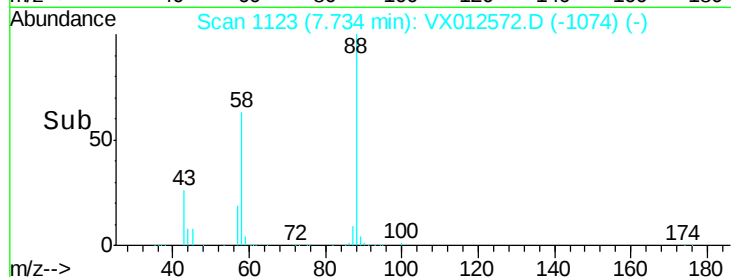
58 71.0 57.5 86.3



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 52.701 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012572.D

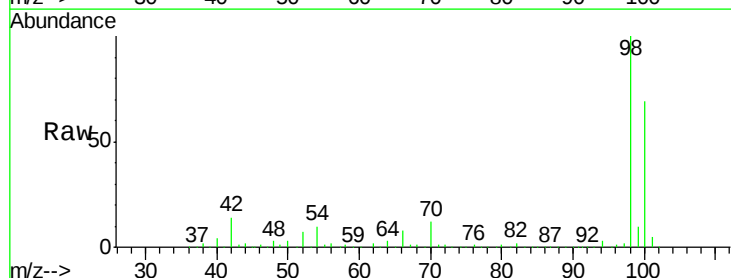
Acq: 20 Sep 2019 21:25

Tgt Ion: 98 Resp: 348450

Ion Ratio Lower Upper

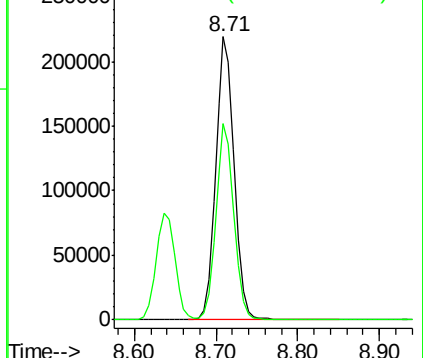
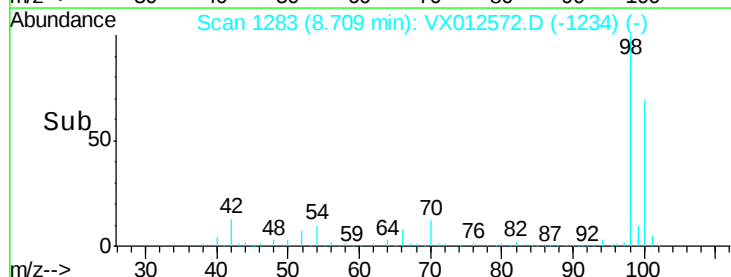
98 100

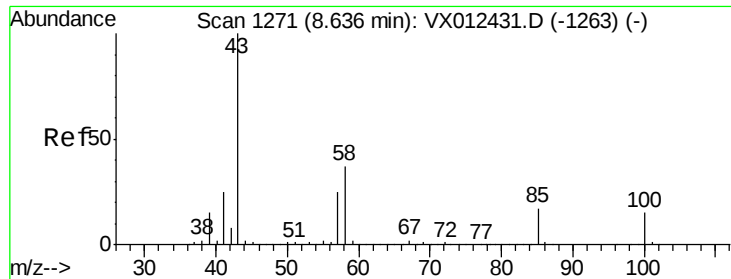
100 67.3 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 258.208 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

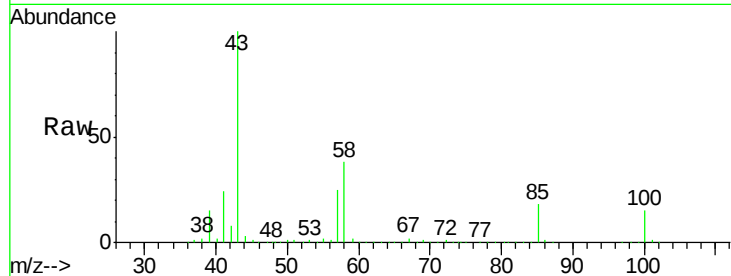
VSTDCCC050

Tot Ion: 43 Resp: 836765

Ion Ratio Lower Upper

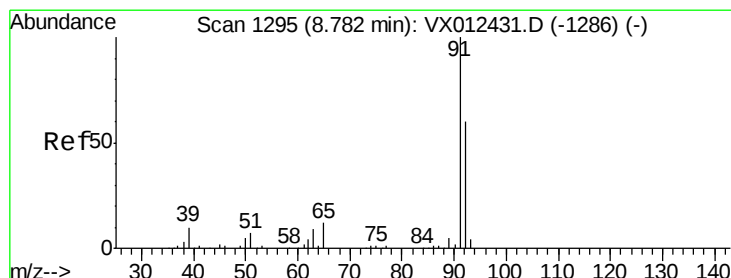
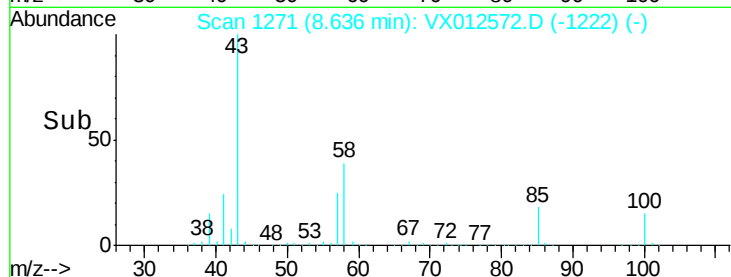
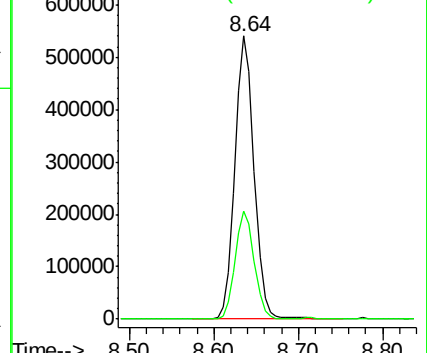
43 100

58 37.9 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.120 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012572.D

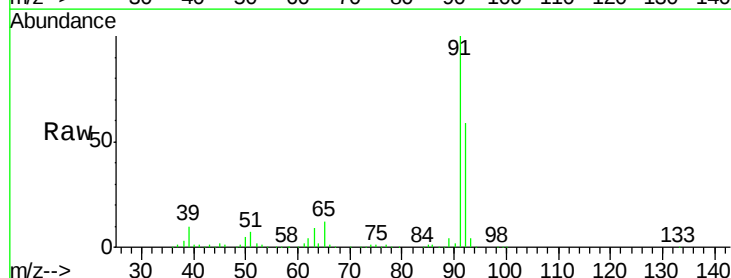
Acq: 20 Sep 2019 21:25

Tgt Ion: 92 Resp: 187884

Ion Ratio Lower Upper

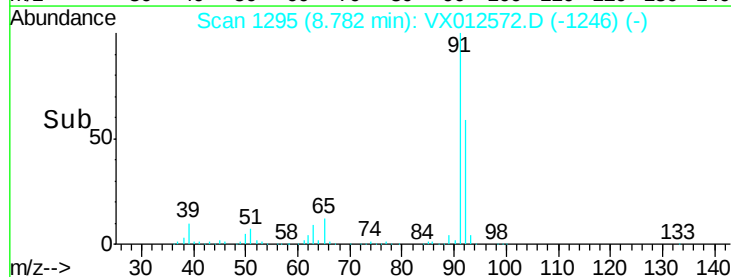
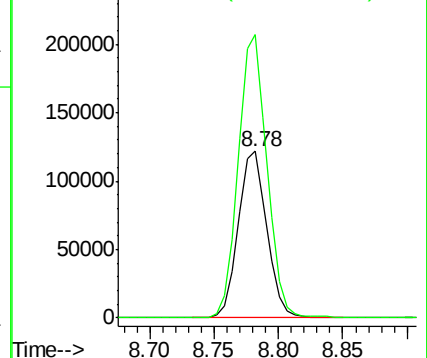
92 100

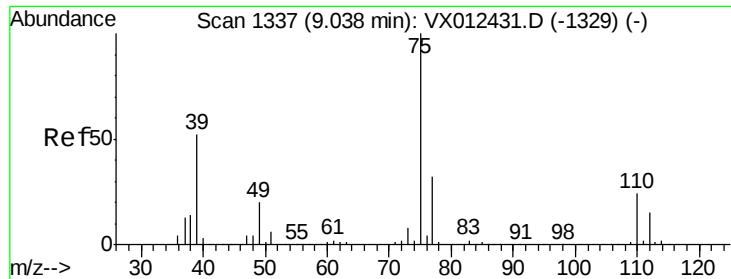
91 171.3 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 50.079 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

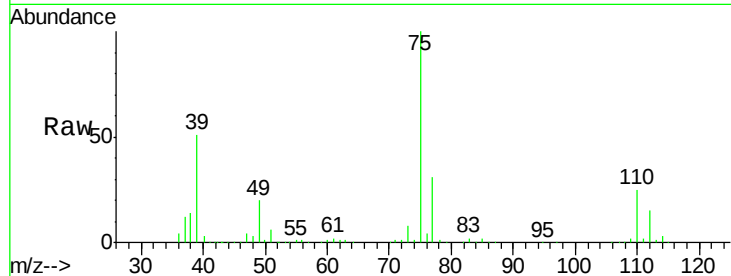
VSTDCCC050

Tot Ion: 75 Resp: 131440

Ion Ratio Lower Upper

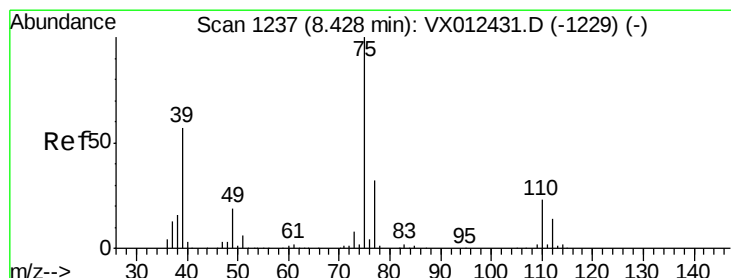
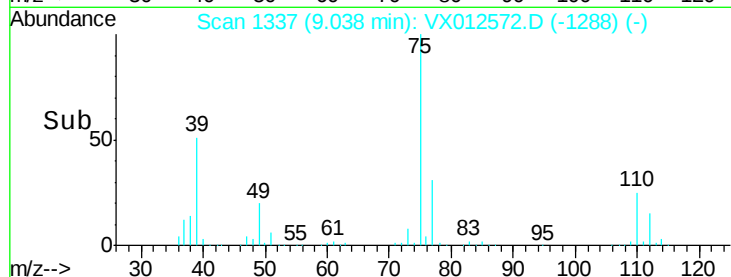
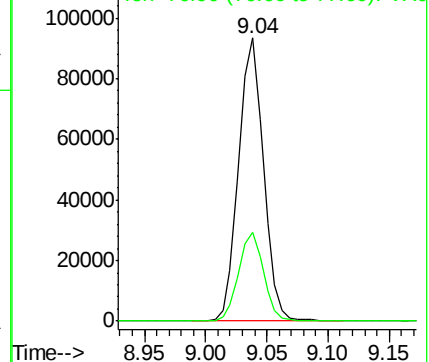
75 100

77 31.3 25.2 37.8



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: 50.604 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

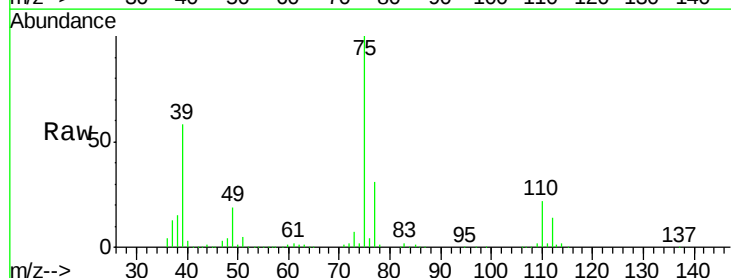
Tgt Ion: 75 Resp: 137503

Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.8

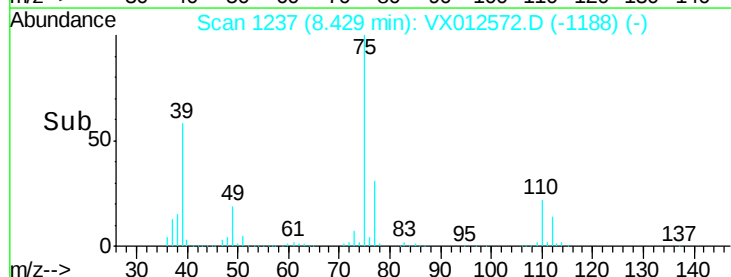
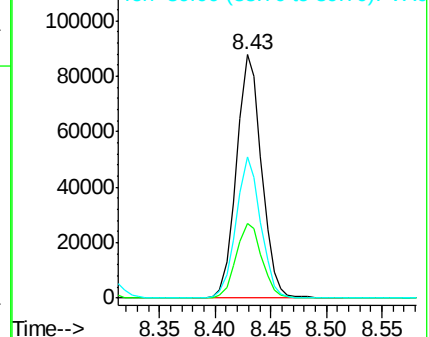
39 57.9 45.5 68.3

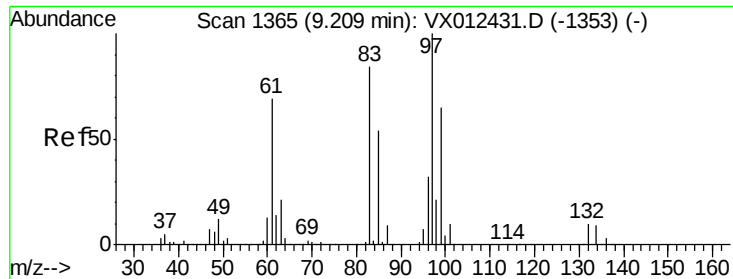


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

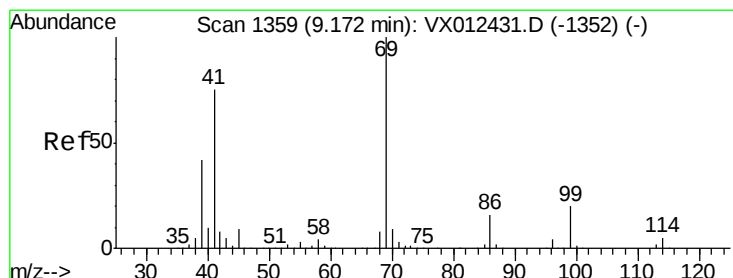
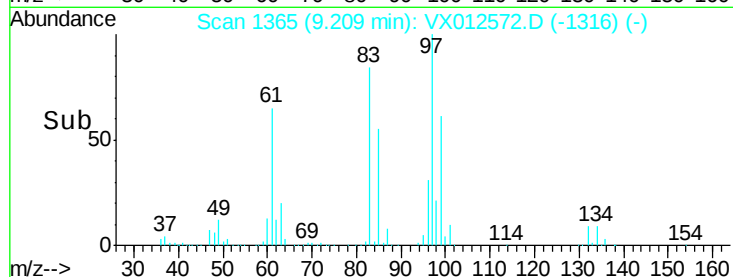
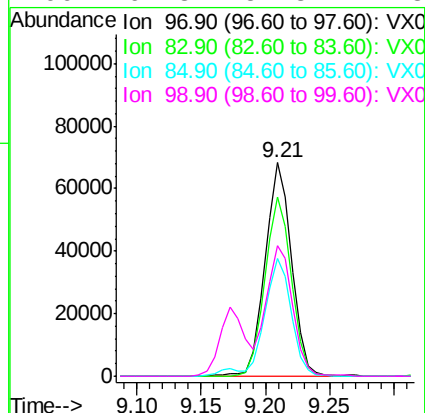
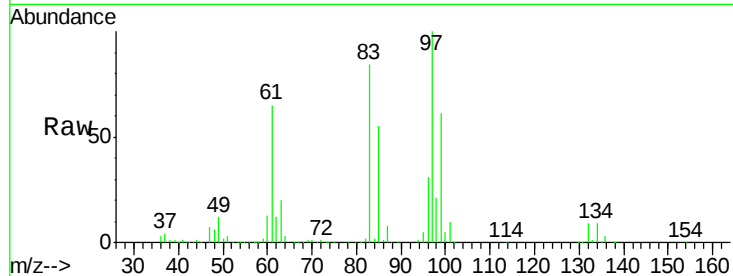




#55
 1,1,2-Trichloroethane
 Concen: 51.273 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

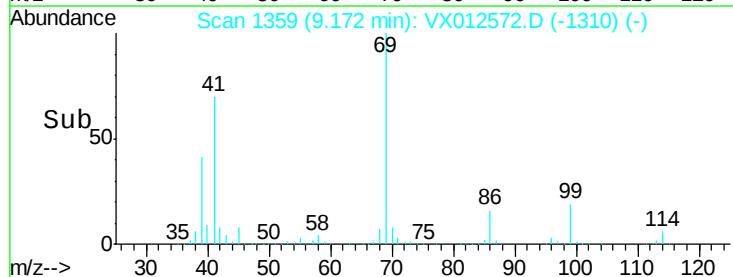
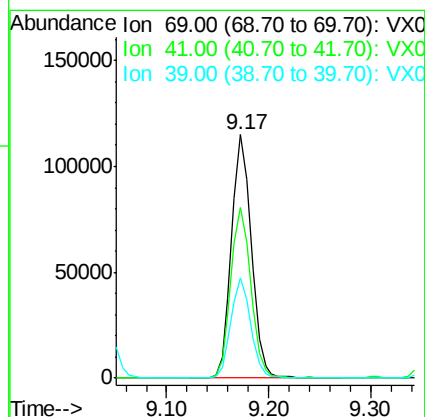
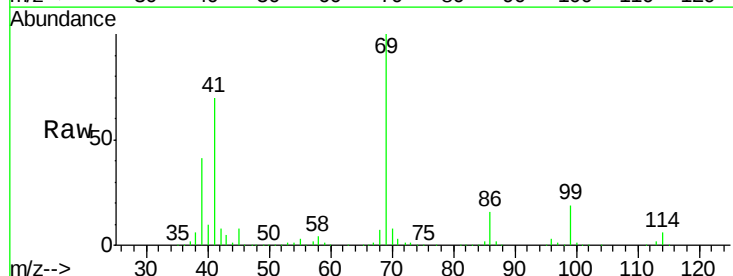
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

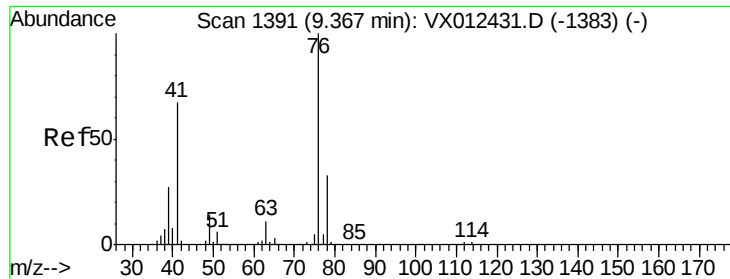
Tot Ion: 97 Resp: 97086
 Ion Ratio Lower Upper
 97 100
 83 84.0 67.4 101.2
 85 55.0 43.5 65.3
 99 61.3 51.8 77.8



#56
 Ethyl methacrylate
 Concen: 52.449 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion: 69 Resp: 155274
 Ion Ratio Lower Upper
 69 100
 41 70.6 58.4 87.6
 39 40.4 33.4 50.0





#57

1,3-Dichloropropane

Concen: 52.068 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

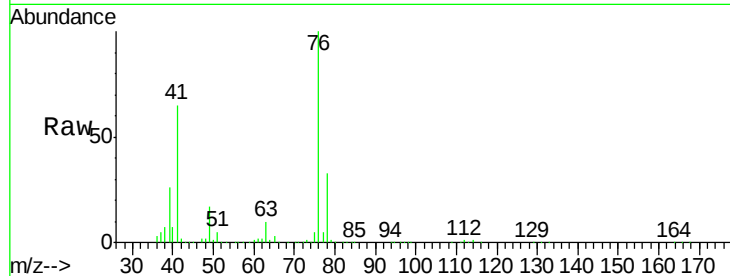
VSTDCCC050

Tot Ion: 76 Resp: 157305

Ion Ratio Lower Upper

76 100

78 32.8 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

120000

100000

80000

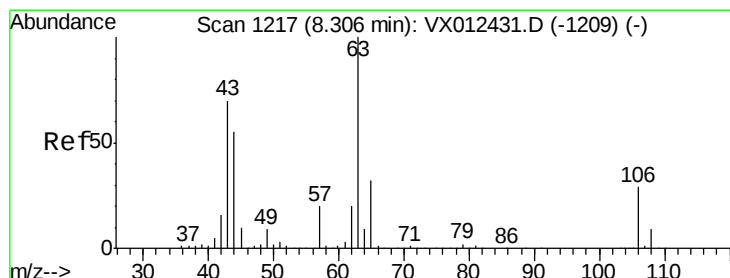
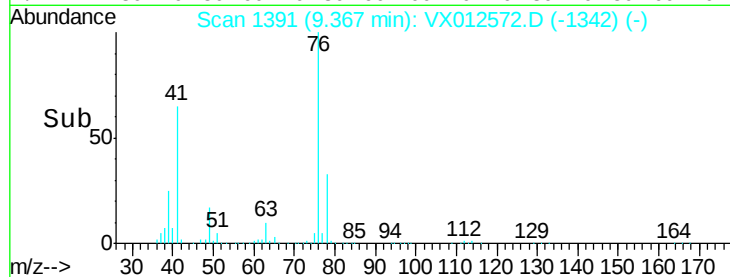
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 283.598 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012572.D

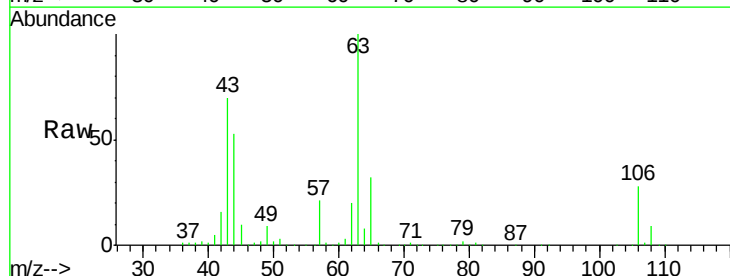
Acq: 20 Sep 2019 21:25

Tgt Ion: 63 Resp: 434604

Ion Ratio Lower Upper

63 100

106 29.1 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

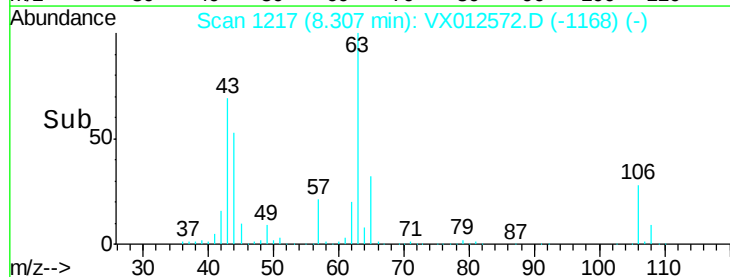
300000

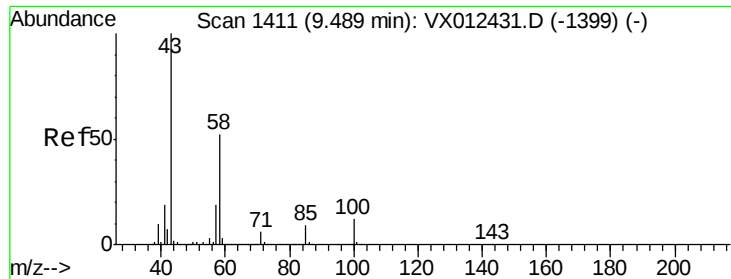
200000

100000

0

Time-->

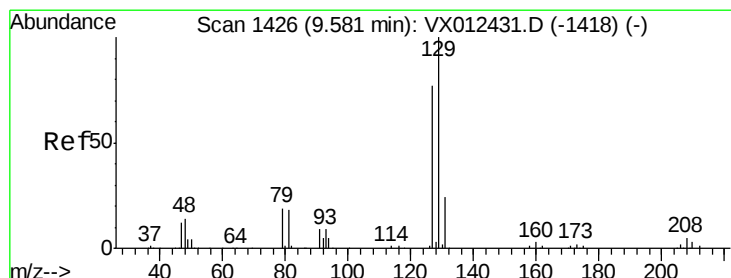
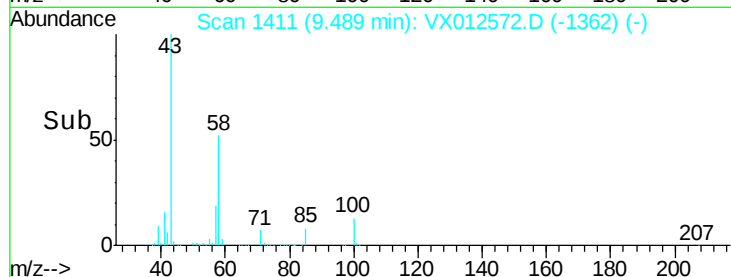
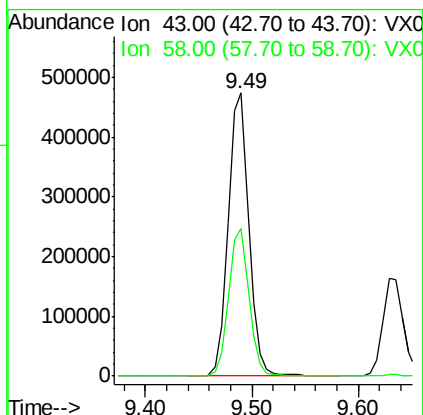
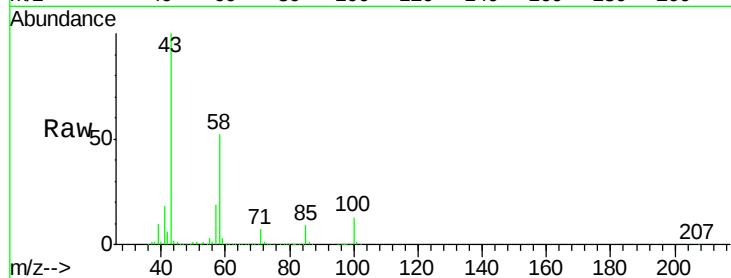




#59
2-Hexanone
Concen: 254.819 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

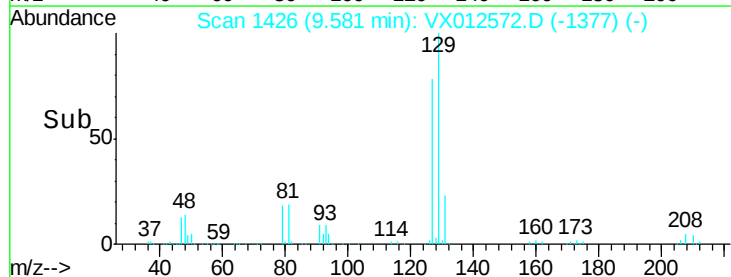
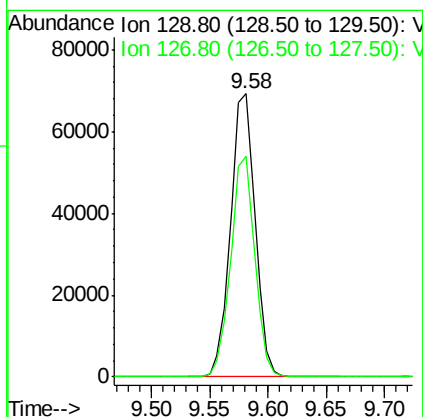
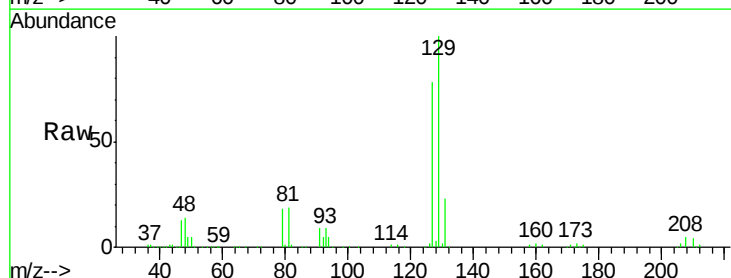
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

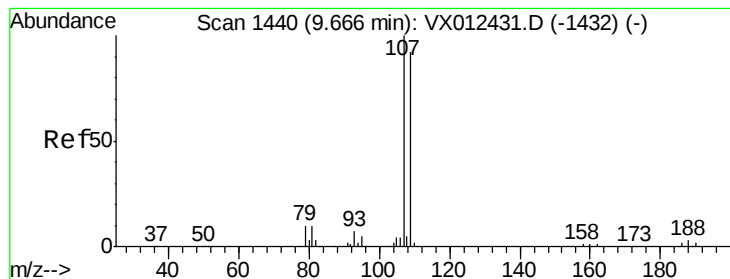
Tot Ion: 43 Resp: 644248
Ion Ratio Lower Upper
43 100
58 51.8 25.7 77.1



#60
Dibromochloromethane
Concen: 53.190 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion: 129 Resp: 102590
Ion Ratio Lower Upper
129 100
127 76.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 52.779 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

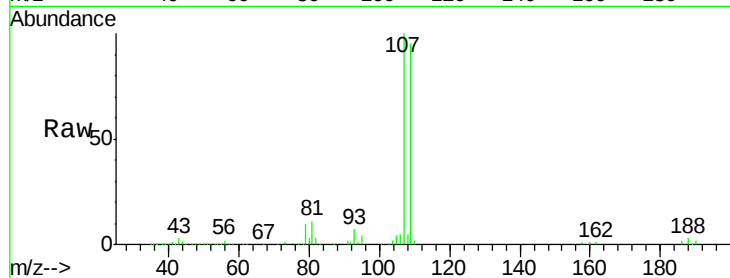
VSTDCCC050

Tot Ion:107 Resp: 91274

Ion Ratio Lower Upper

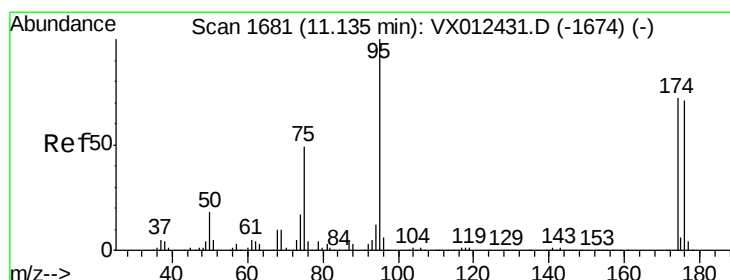
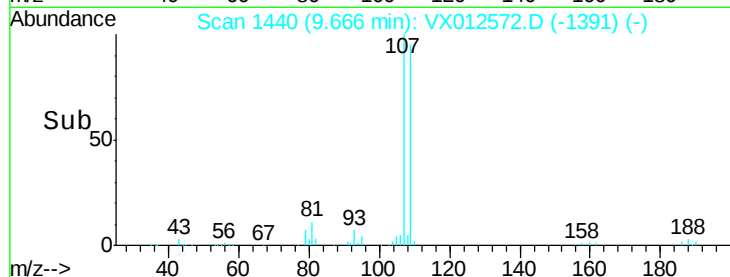
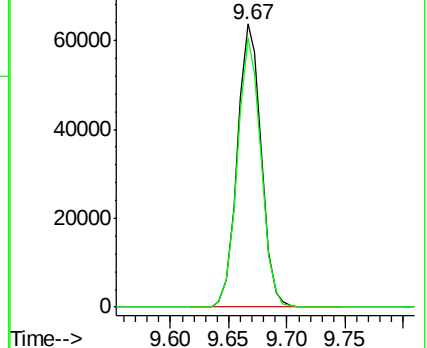
107 100

109 94.0 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.893 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

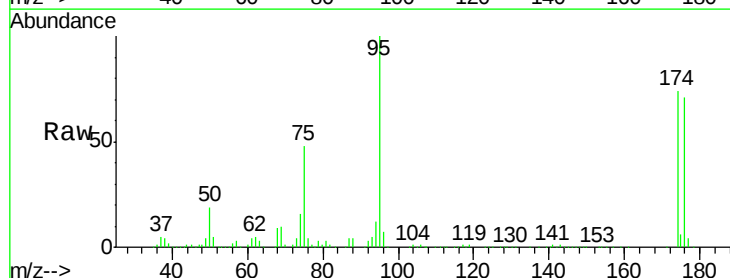
Tgt Ion: 95 Resp: 142463

Ion Ratio Lower Upper

95 100

174 71.2 0.0 140.0

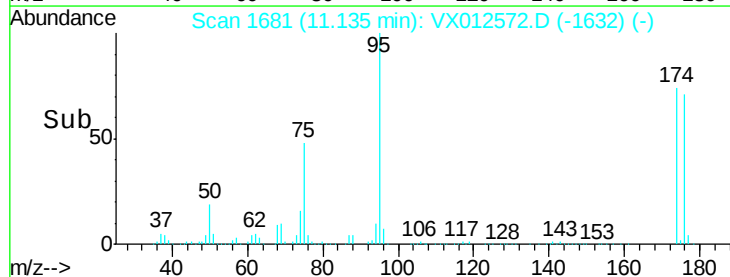
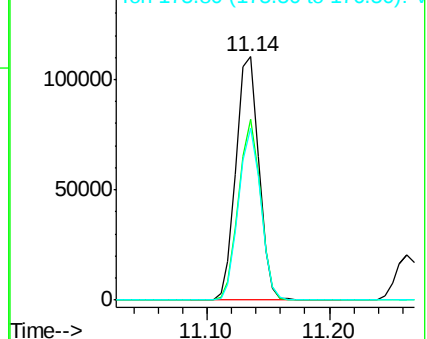
176 68.7 0.0 135.4

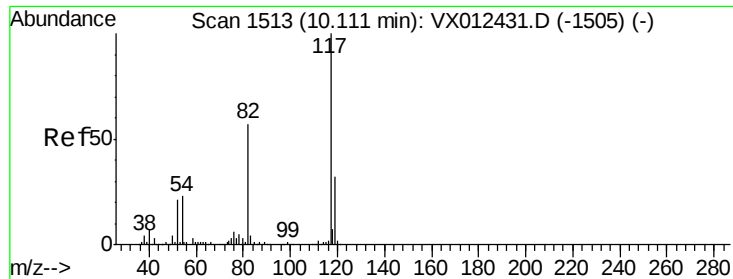


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

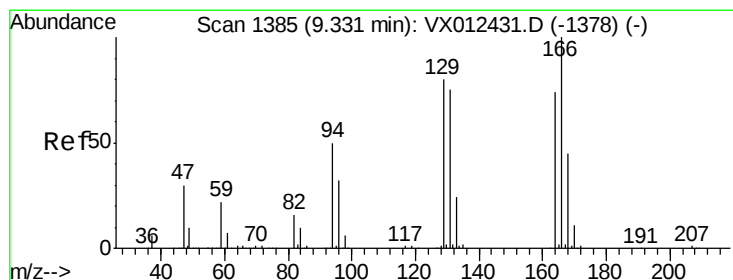
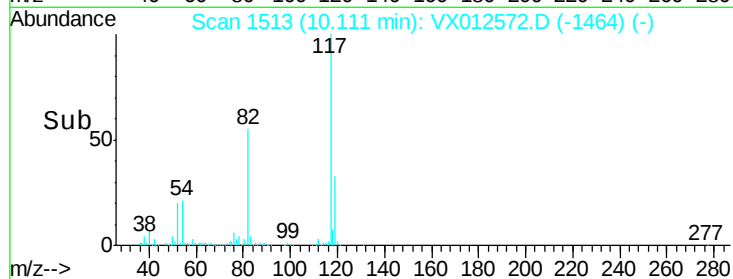
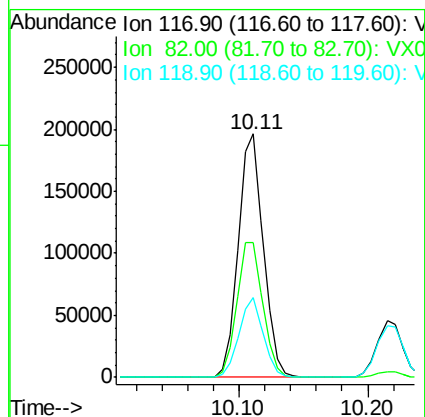
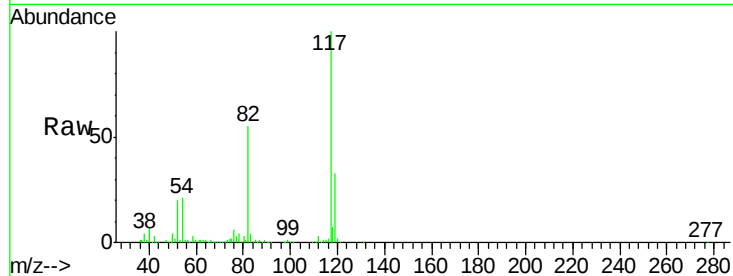




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

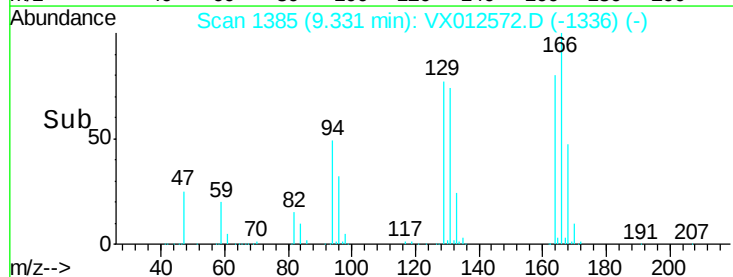
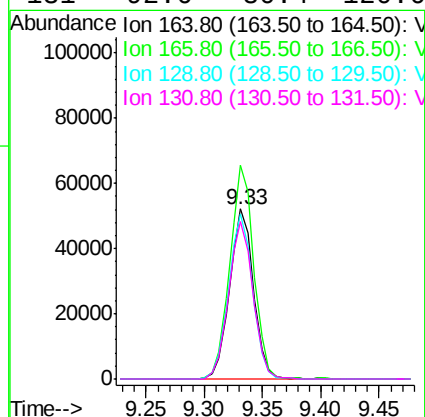
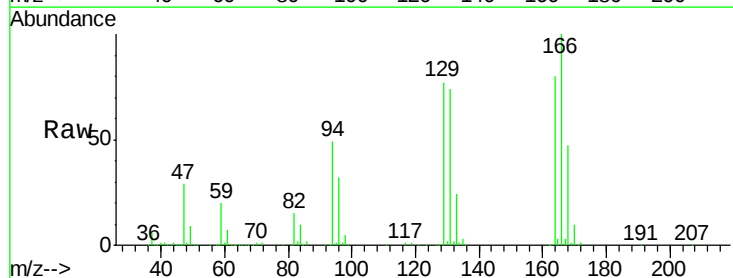
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

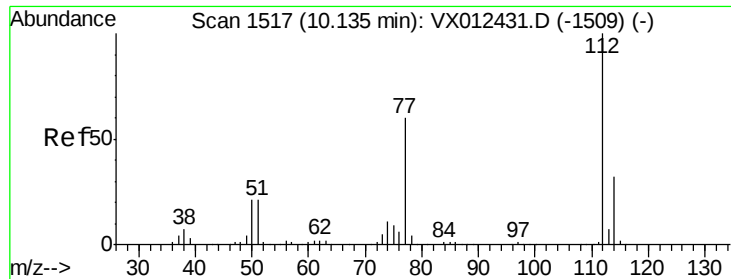
Tot Ion:117 Resp: 265116
Ion Ratio Lower Upper
117 100
82 55.4 45.9 68.9
119 33.0 25.3 37.9



#64
Tetrachloroethene
Concen: 61.139 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion:164 Resp: 74276
Ion Ratio Lower Upper
164 100
166 125.5 107.8 161.6
129 96.9 86.2 129.2
131 92.6 80.4 120.6





#65

Chlorobenzene

Concen: 50.879 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

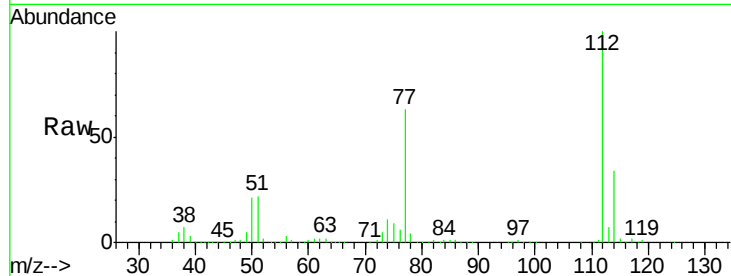
VSTDCCC050

Tot Ion:112 Resp: 222631

Ion Ratio Lower Upper

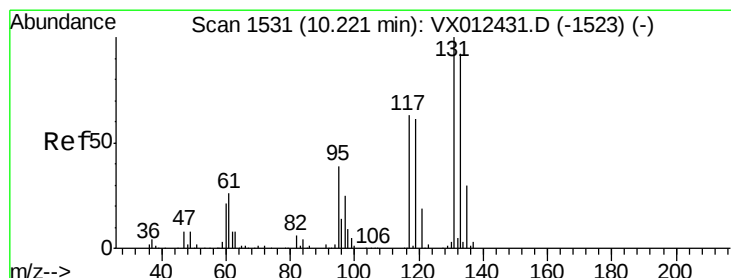
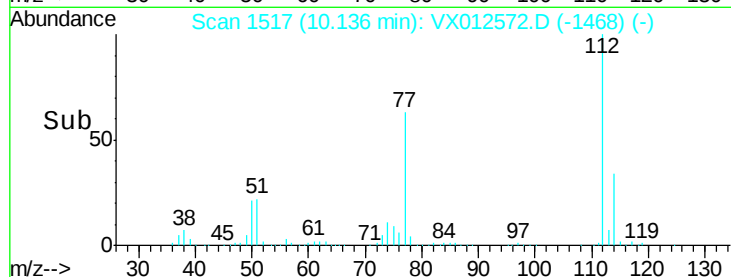
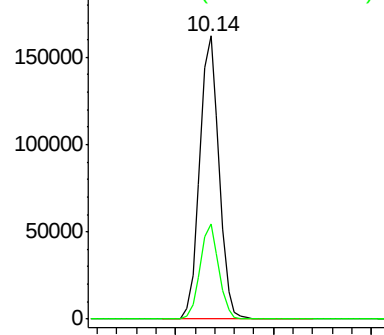
112 100

114 33.7 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.528 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

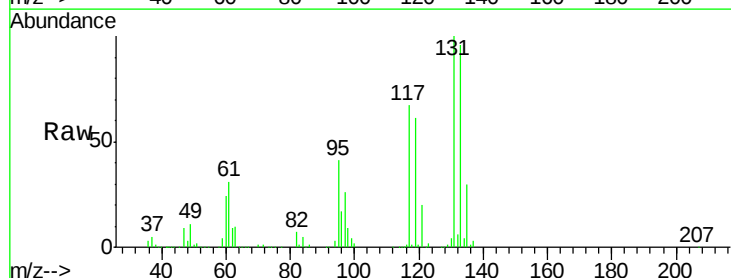
Tgt Ion:131 Resp: 95393

Ion Ratio Lower Upper

131 100

133 95.9 47.6 142.9

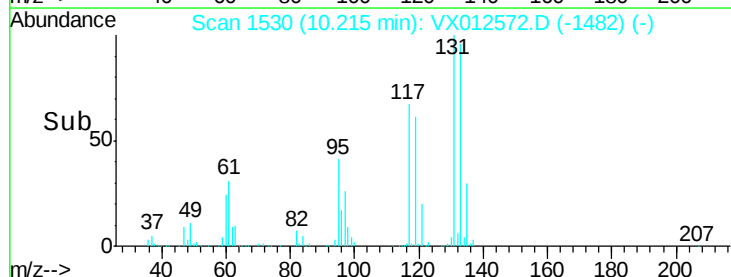
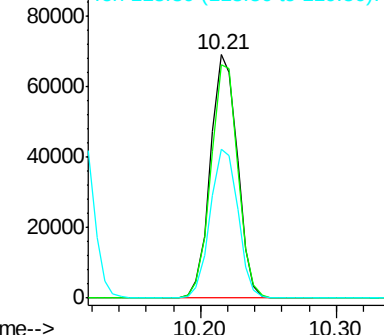
119 63.4 31.3 93.8

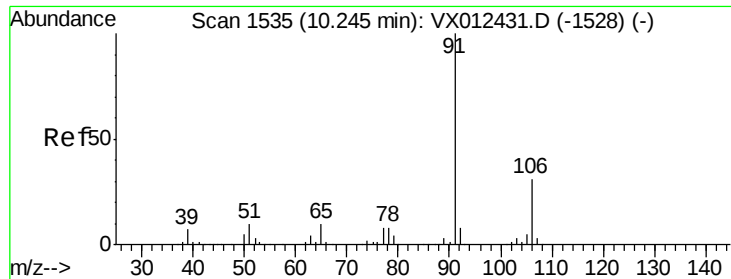


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

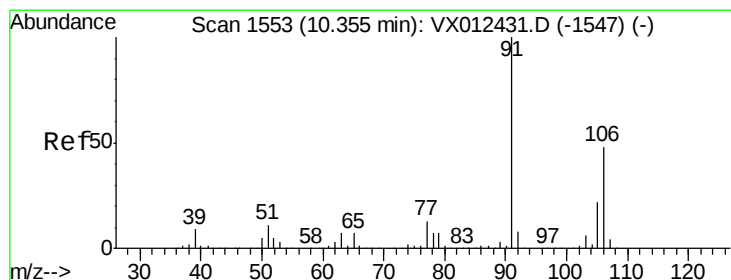
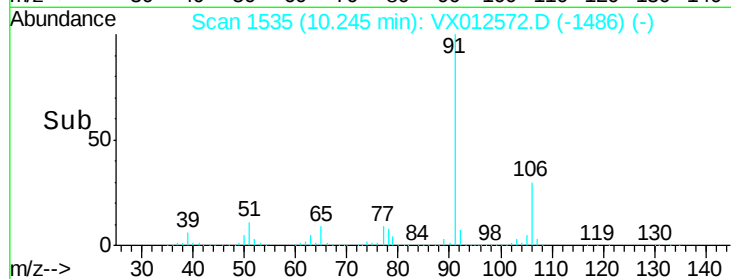
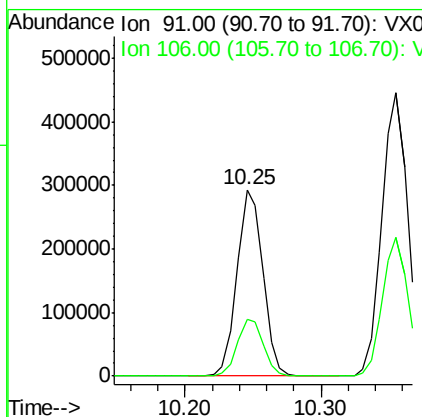
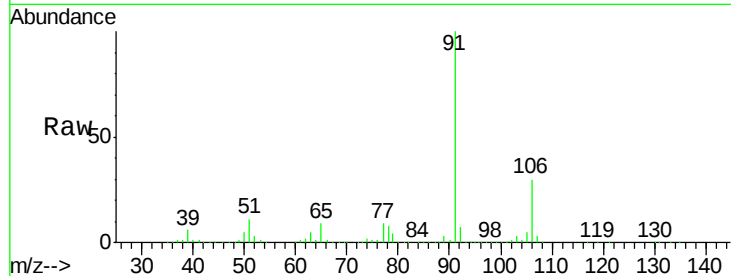




#67
Ethyl Benzene
Concen: 51.975 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

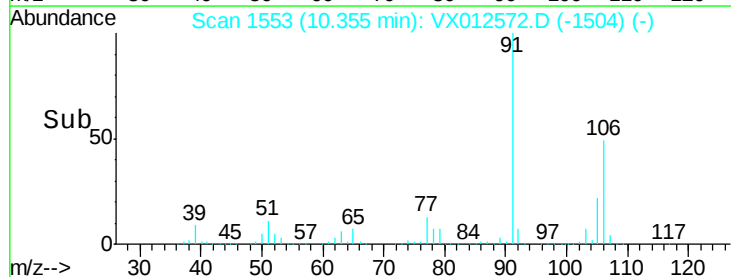
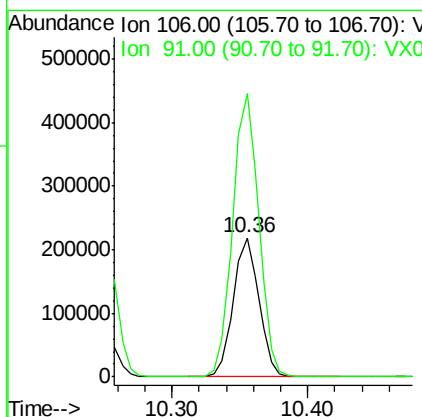
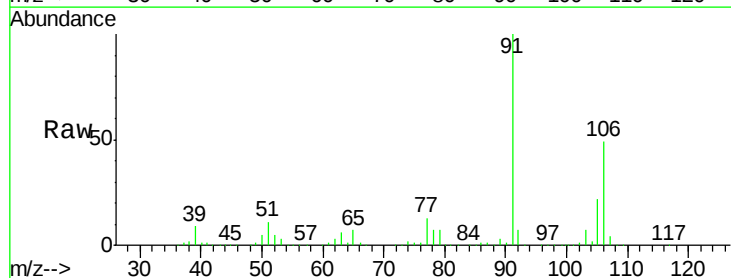
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

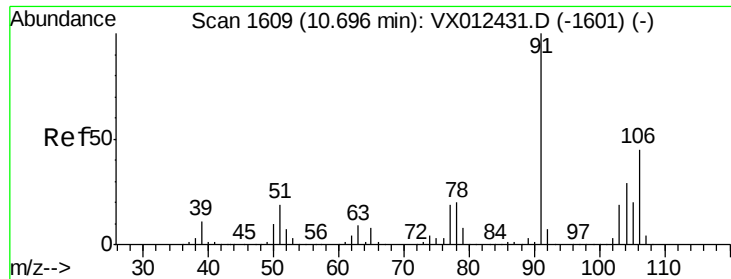
Tot Ion: 91 Resp: 390738
Ion Ratio Lower Upper
91 100
106 30.4 24.6 37.0



#68
m/p-Xylenes
Concen: 104.844 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion: 106 Resp: 286783
Ion Ratio Lower Upper
106 100
91 207.5 166.6 250.0

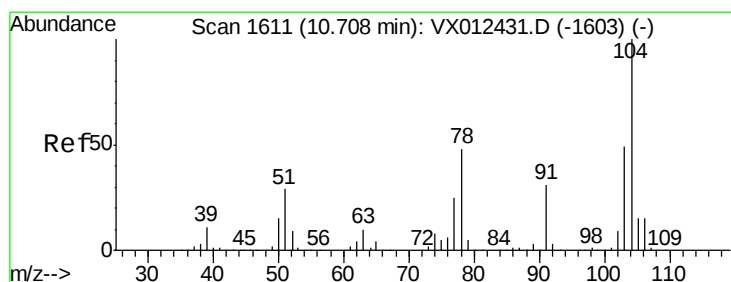
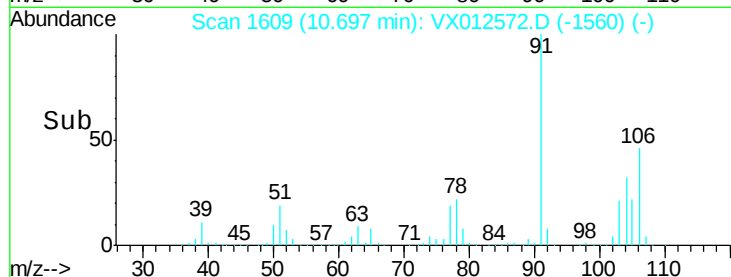
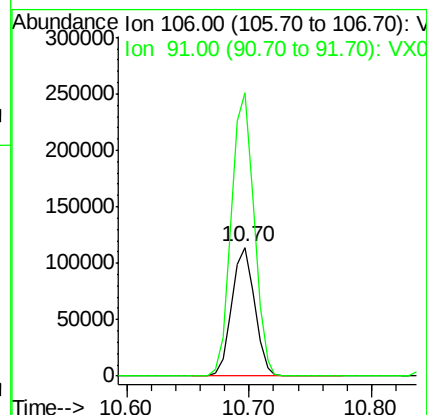
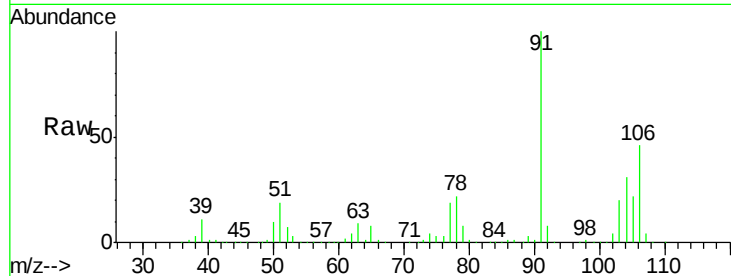




#69
o-Xylene
Concen: 51.945 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

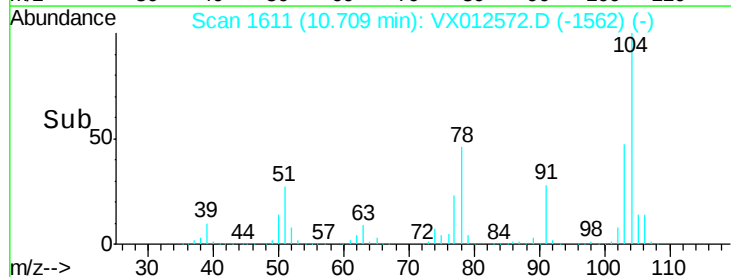
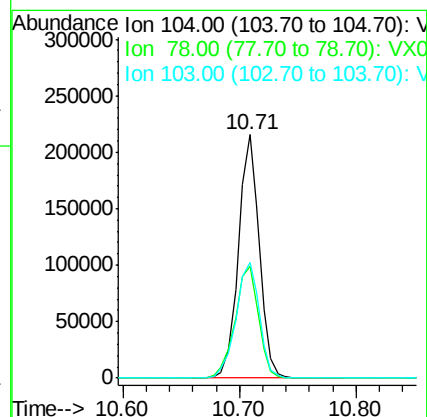
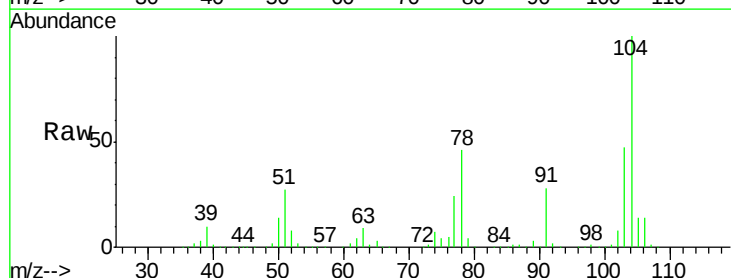
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

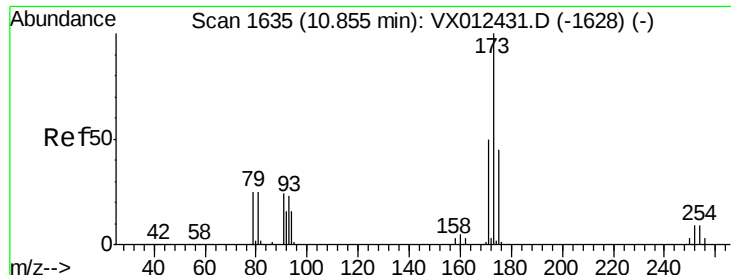
Tot Ion:106 Resp: 146125
Ion Ratio Lower Upper
106 100
91 219.9 109.4 328.2



#70
Styrene
Concen: 53.999 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion:104 Resp: 268762
Ion Ratio Lower Upper
104 100
78 52.3 43.4 65.2
103 53.5 43.3 64.9





#71

Bromoform

Concen: 46.412 ug/l

RT: 10.86 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

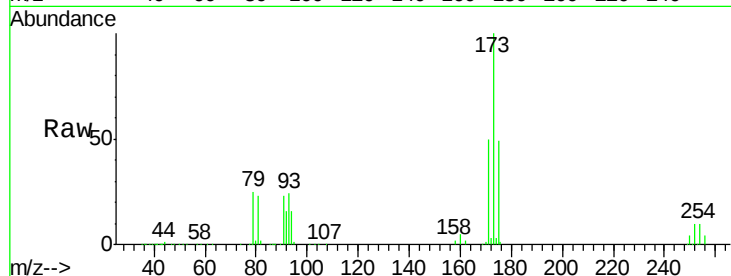
Tot Ion:173 Resp: 72229

Ion Ratio Lower Upper

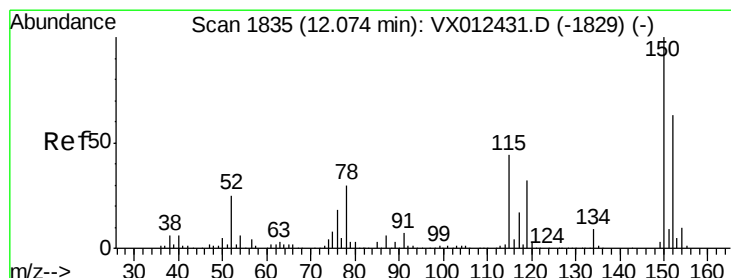
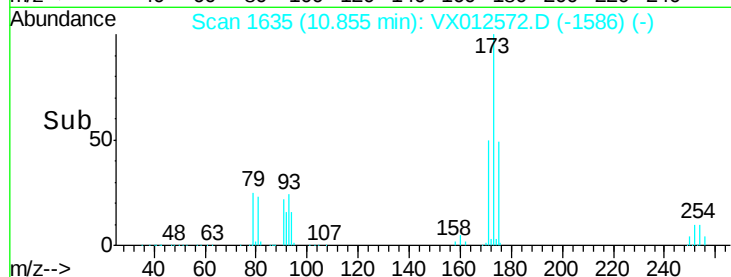
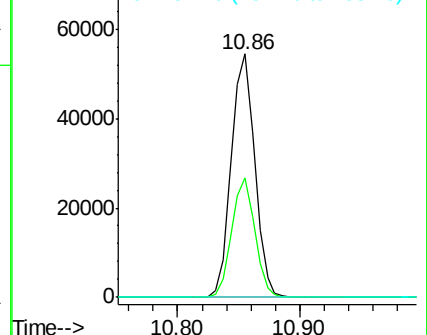
173 100

175 48.4 23.7 71.1

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

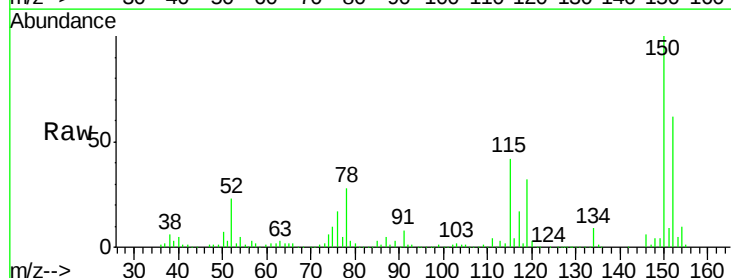
Tgt Ion:152 Resp: 127362

Ion Ratio Lower Upper

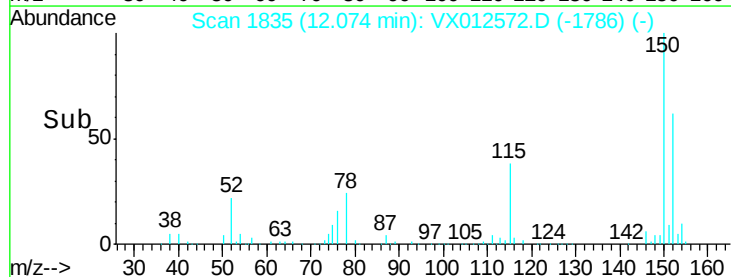
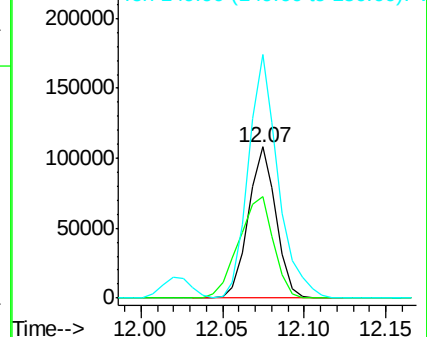
152 100

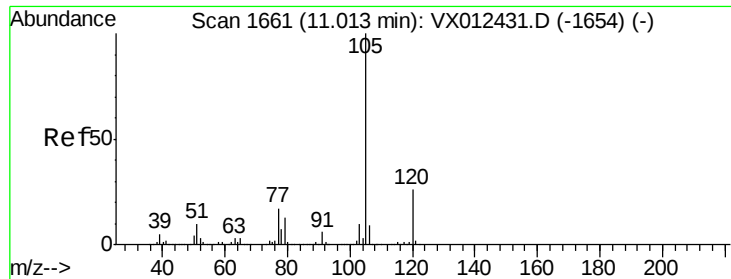
115 84.8 44.1 132.3

150 173.8 0.0 343.8



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: 51.860 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

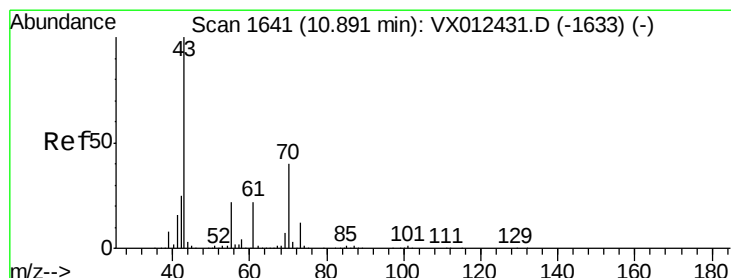
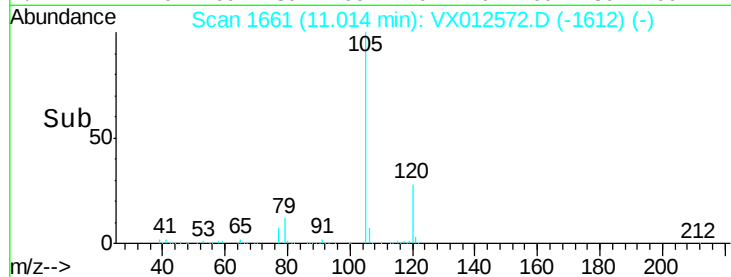
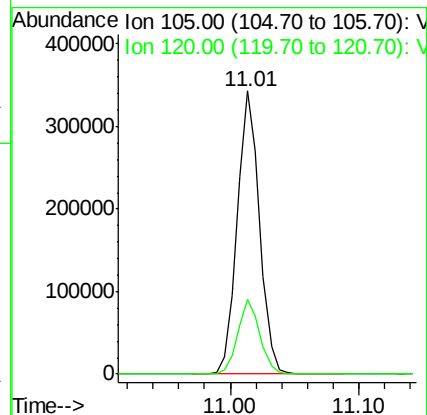
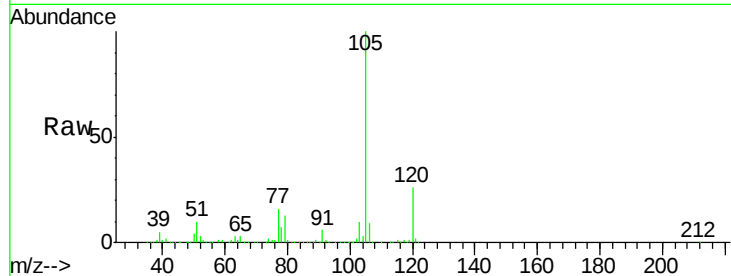
VSTDCCC050

Tot Ion:105 Resp: 414426

Ion Ratio Lower Upper

105 100

120 26.1 12.9 38.7



#74

N-ethyl acetate

Concen: 52.696 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Tgt Ion: 43 Resp: 226717

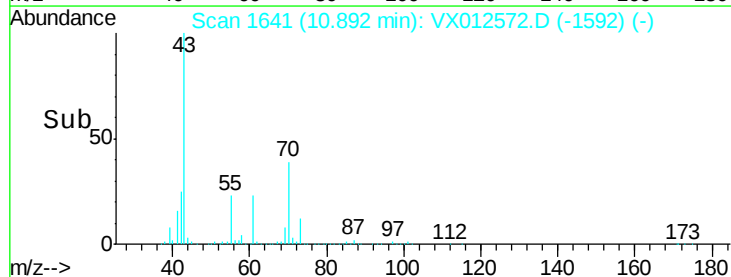
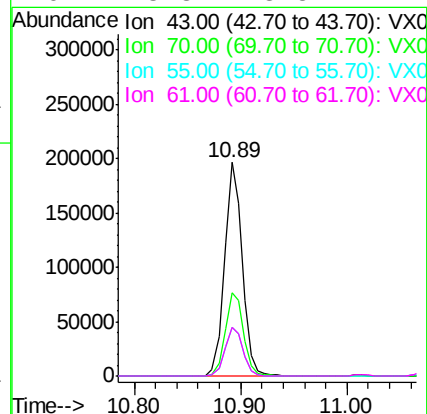
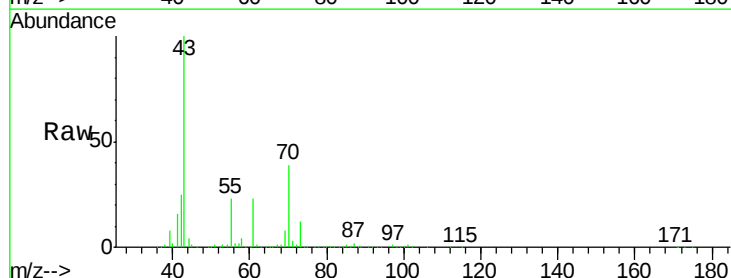
Ion Ratio Lower Upper

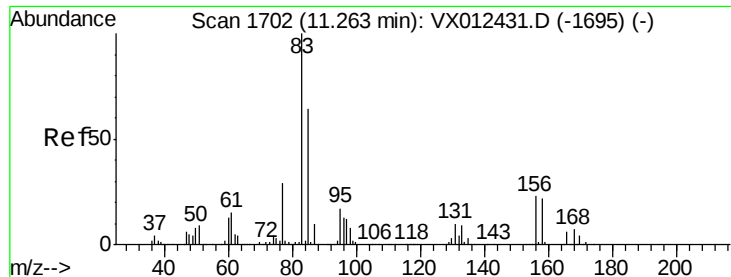
43 100

70 40.3 32.4 48.6

55 23.4 18.2 27.4

61 23.3 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.855 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

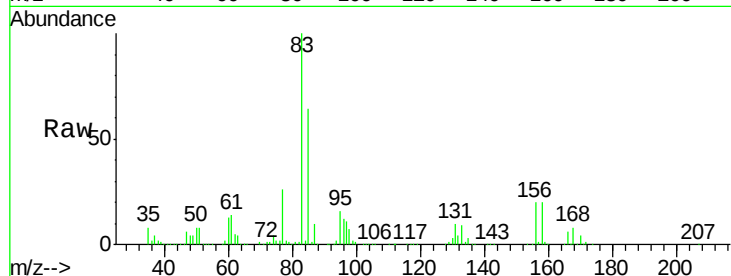
Tot Ion: 83 Resp: 162553

Ion Ratio Lower Upper

83 100

131 10.2 5.2 15.6

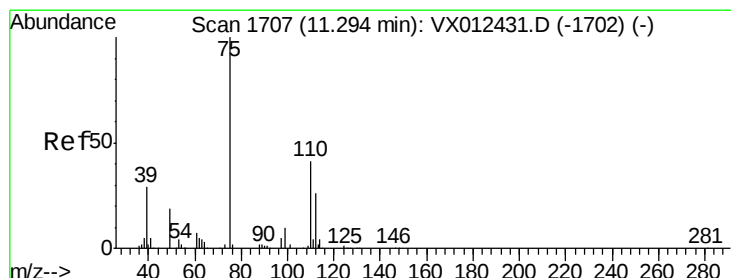
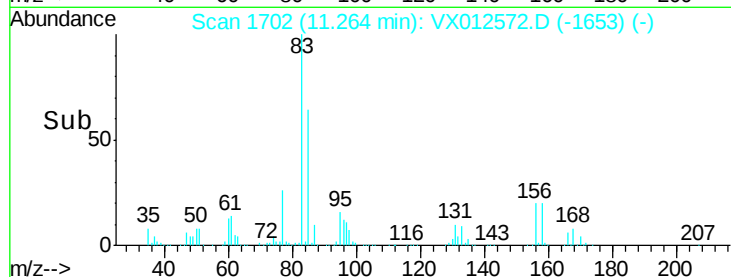
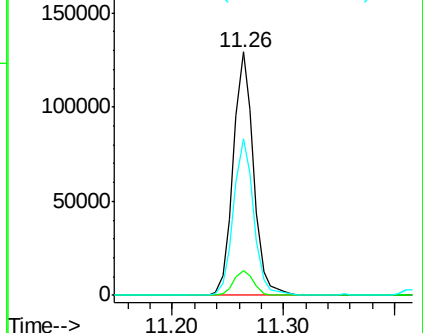
85 64.1 32.0 96.0



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: 64.101 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012572.D

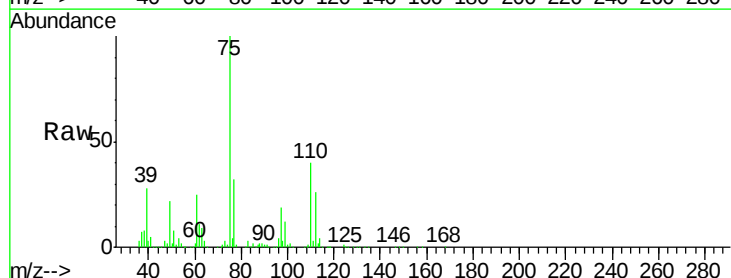
Acq: 20 Sep 2019 21:25

Tgt Ion: 75 Resp: 187533

Ion Ratio Lower Upper

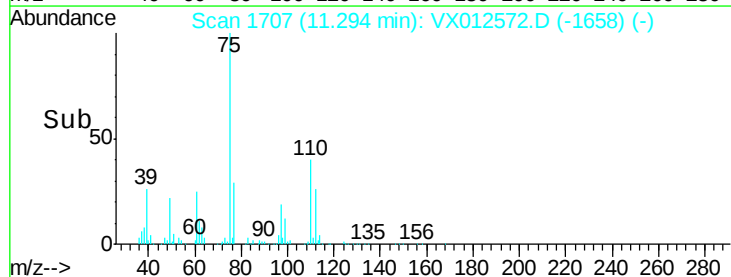
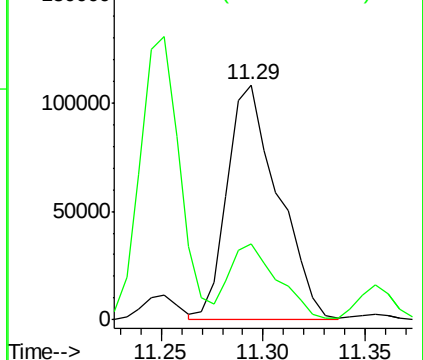
75 100

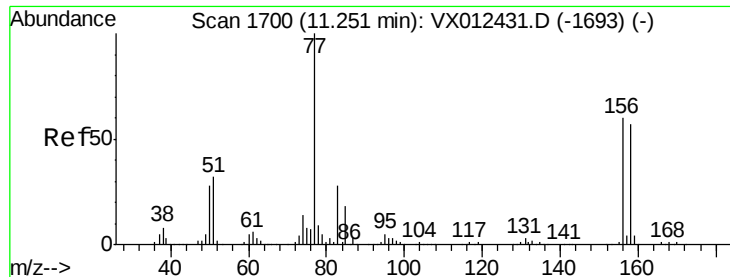
77 30.9 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.800 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

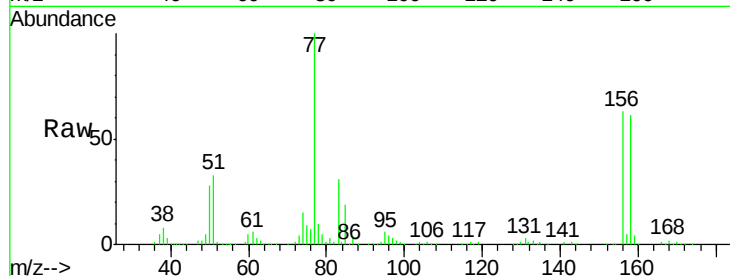
Tot Ion:156 Resp: 102902

Ion Ratio Lower Upper

156 100

77 171.0 87.3 261.8

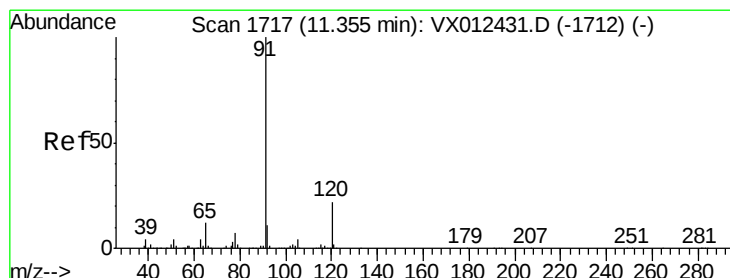
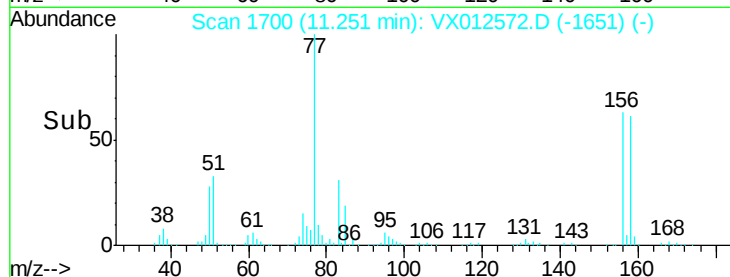
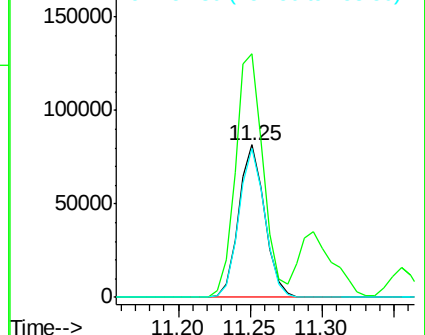
158 96.7 48.5 145.6



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: 51.382 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012572.D

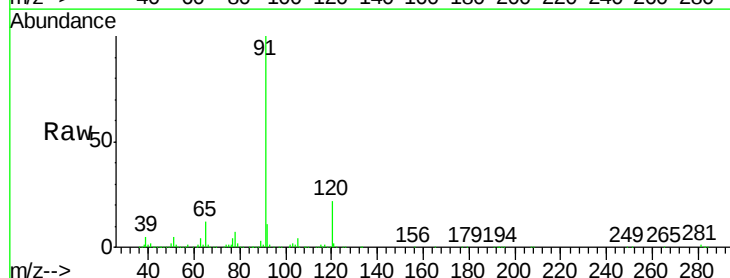
Acq: 20 Sep 2019 21:25

Tgt Ion: 91 Resp: 457637

Ion Ratio Lower Upper

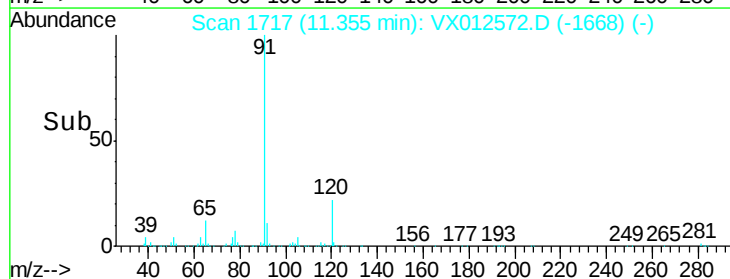
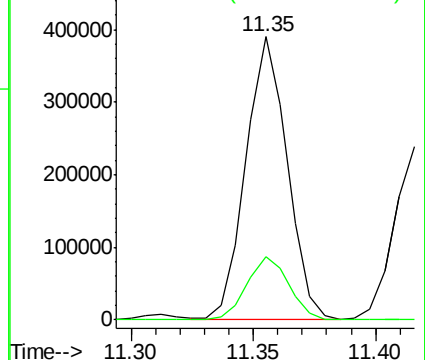
91 100

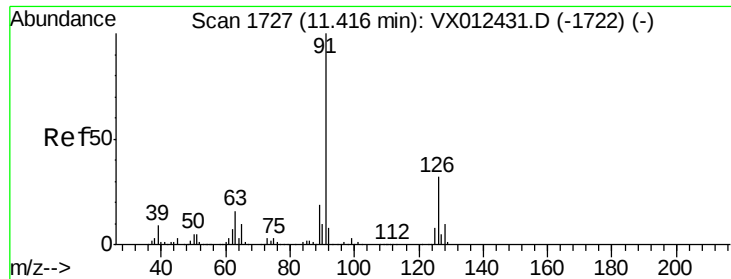
120 22.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

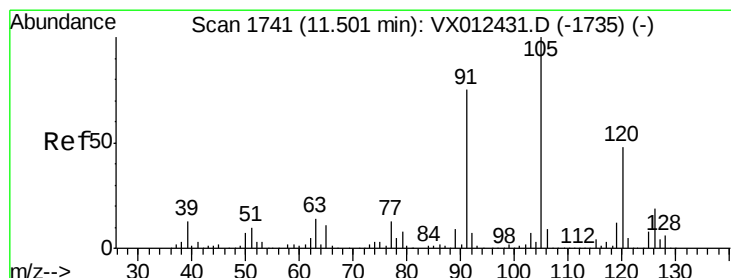
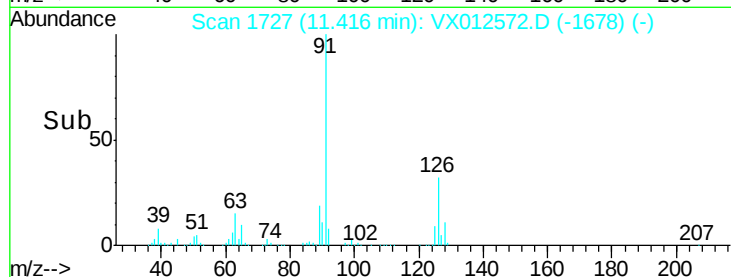
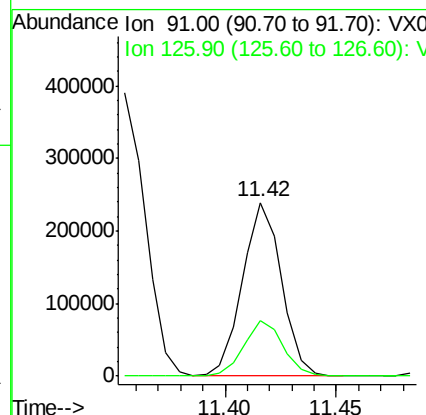
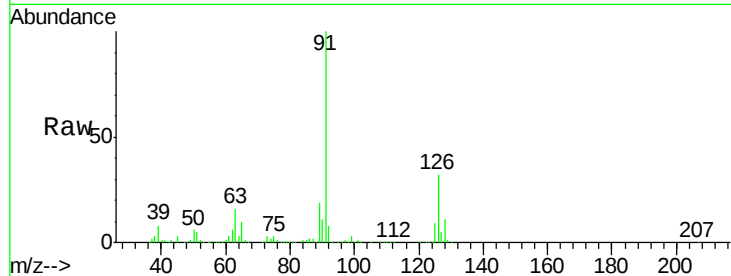




#79
 2-Chlorotoluene
 Concen: 50.285 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

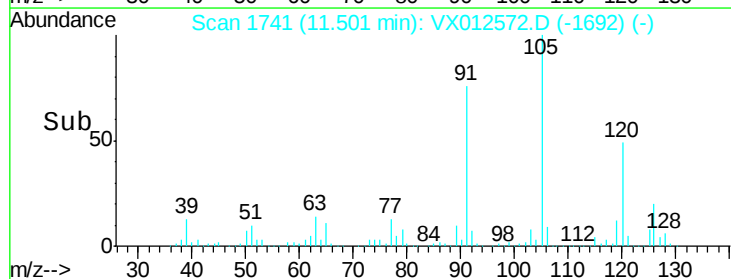
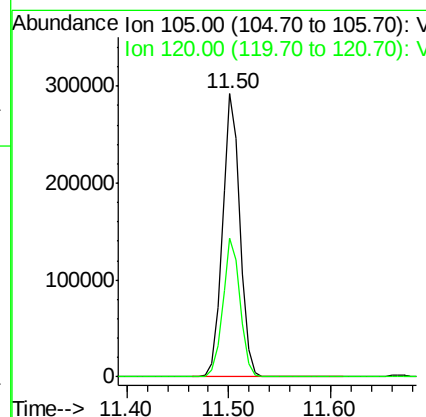
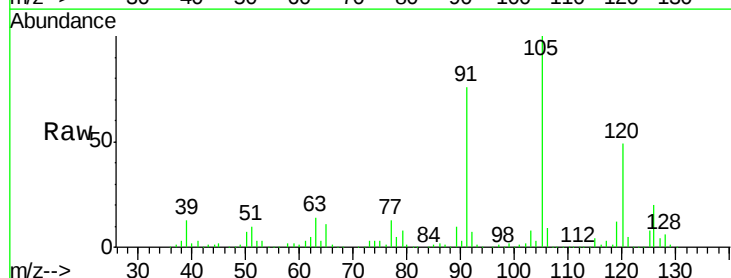
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

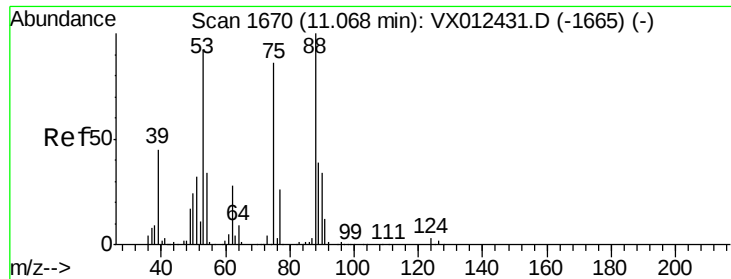
Tot Ion: 91 Resp: 291365
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.4 49.4



#80
 1,3,5-Trimethylbenzene
 Concen: 51.495 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion: 105 Resp: 350947
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.696 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

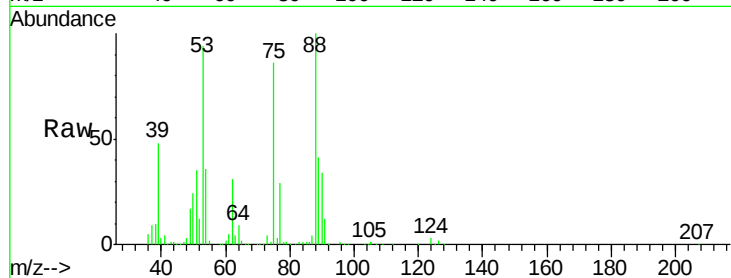
Tot Ion: 75 Resp: 47257

Ion Ratio Lower Upper

75 100

53 109.1 83.6 125.4

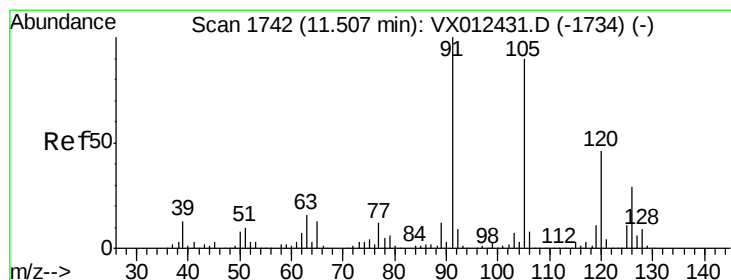
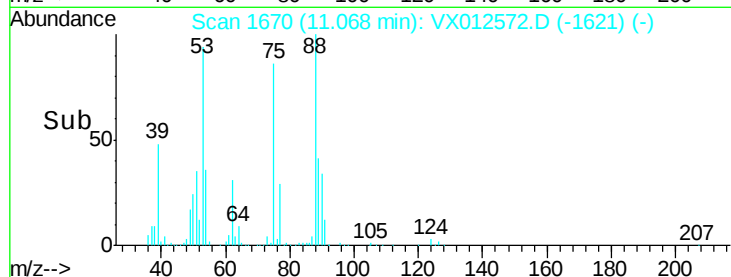
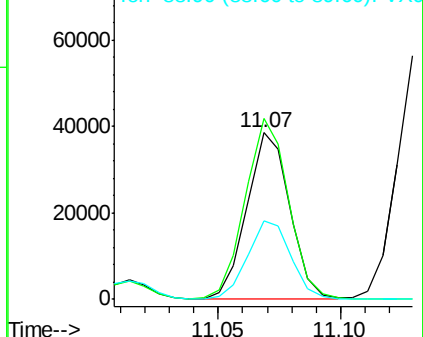
89 48.1 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.929 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012572.D

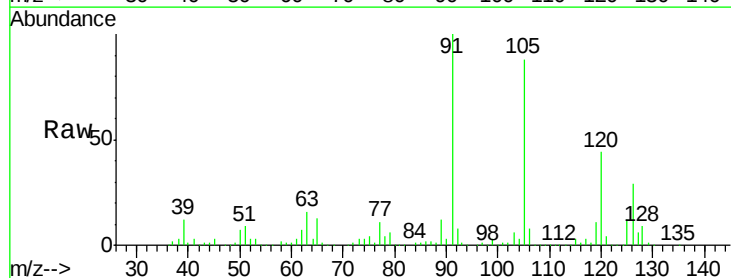
Acq: 20 Sep 2019 21:25

Tgt Ion: 91 Resp: 338680

Ion Ratio Lower Upper

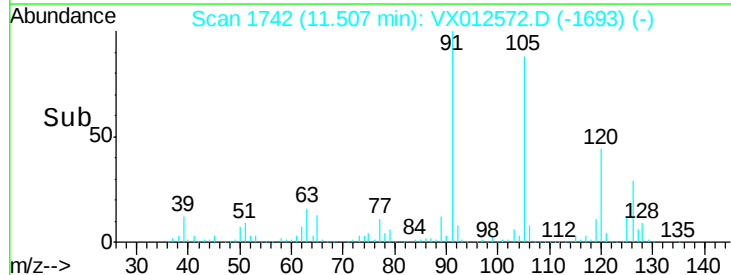
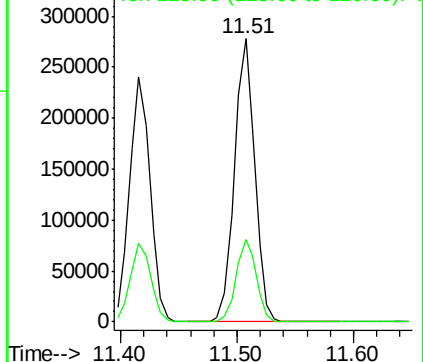
91 100

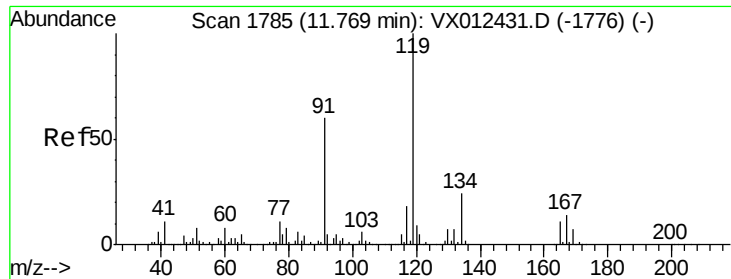
126 28.8 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

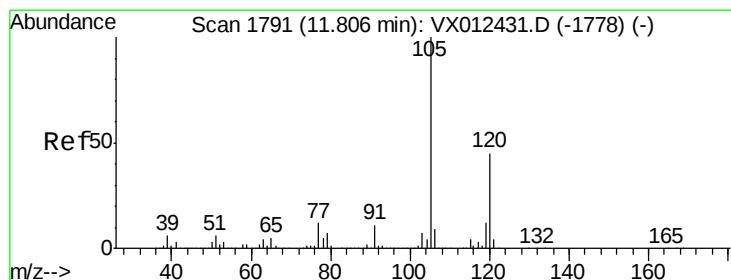
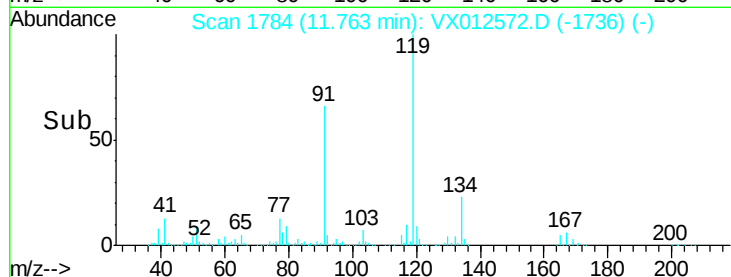
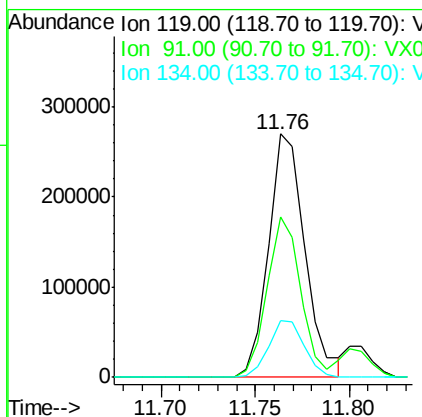
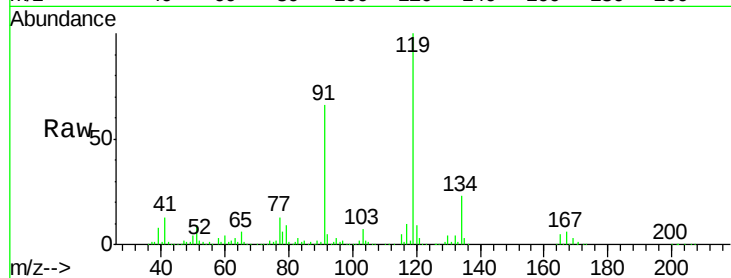




#83
tert-Butylbenzene
Concen: 49.691 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

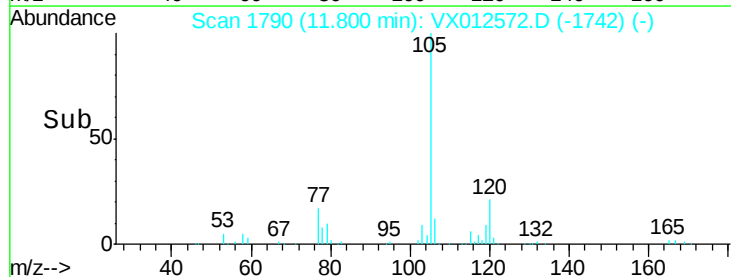
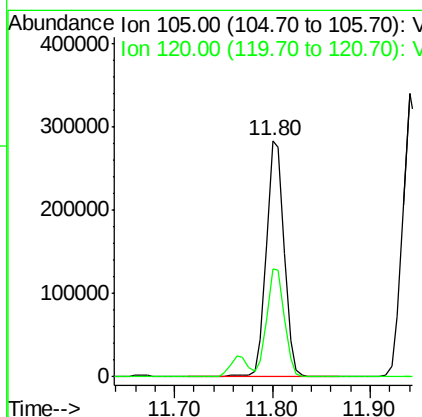
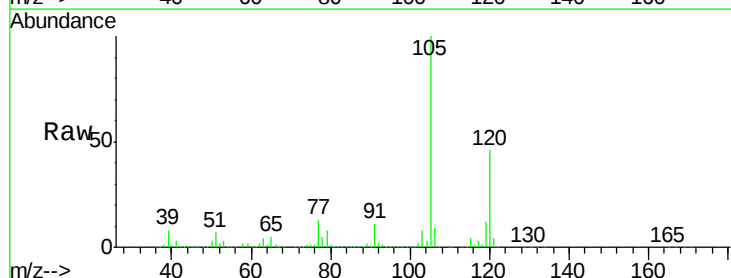
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

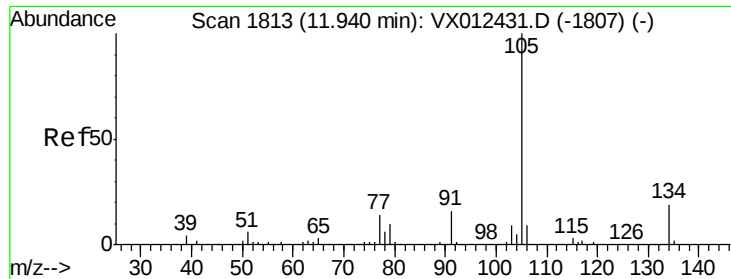
Tot Ion:119 Resp: 362883
Ion Ratio Lower Upper
119 100
91 60.9 30.0 90.0
134 22.8 11.3 33.9



#84
1,2,4-Trimethylbenzene
Concen: 51.266 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion:105 Resp: 358741
Ion Ratio Lower Upper
105 100
120 44.9 22.2 66.6





#85

sec-Butylbenzene

Concen: 51.374 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

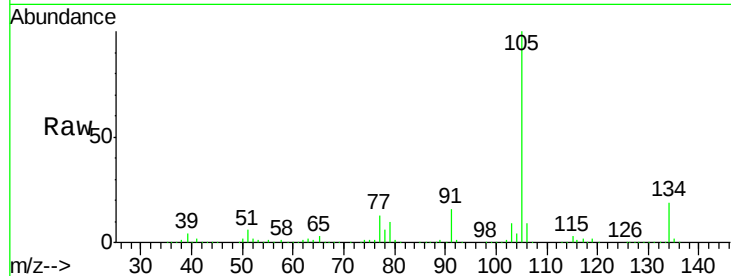
VSTDCCC050

Tot Ion:105 Resp: 413416

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

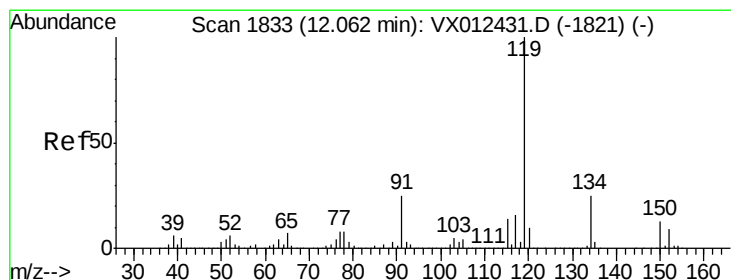
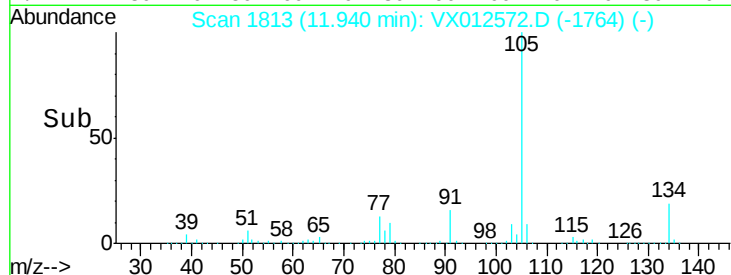
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.797 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

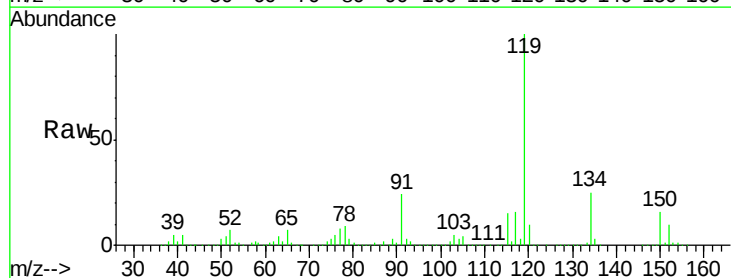
Tgt Ion:119 Resp: 382744

Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

91 25.2 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

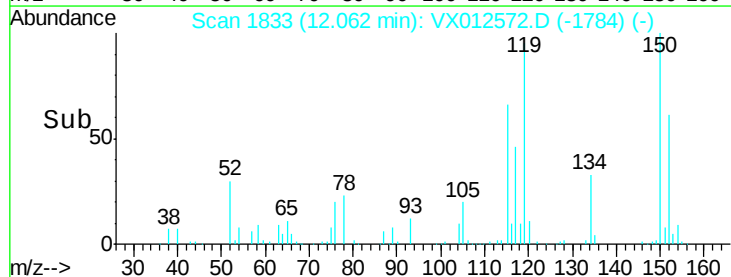
300000

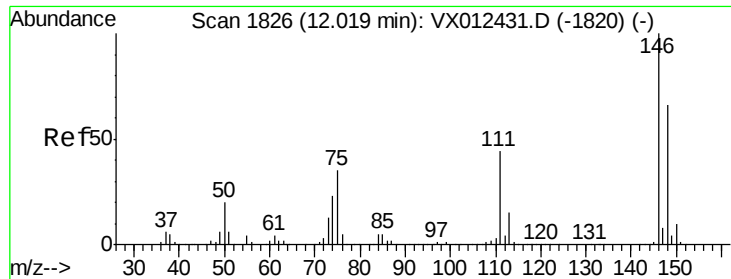
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.993 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

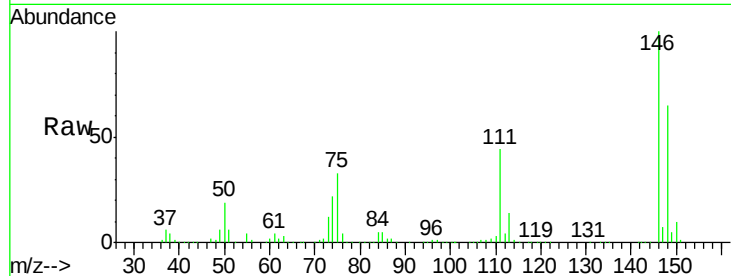
Tot Ion:146 Resp: 190609

Ion Ratio Lower Upper

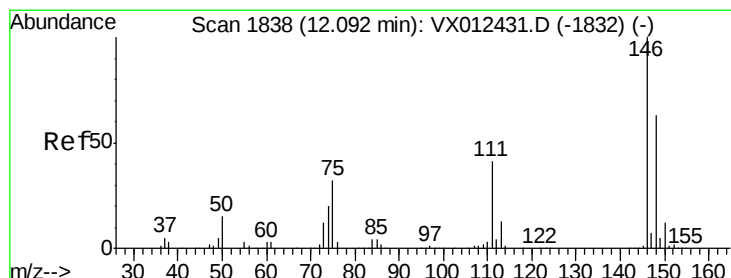
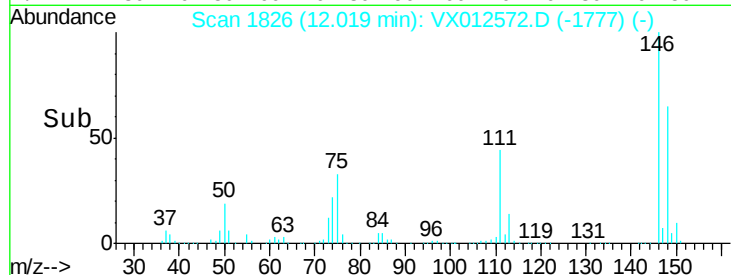
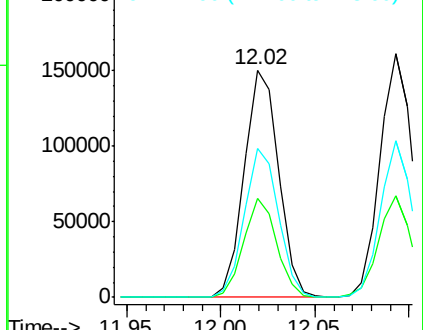
146 100

111 42.3 21.3 64.0

148 65.1 32.4 97.2



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



#88

1,4-Dichlorobenzene

Concen: 51.901 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

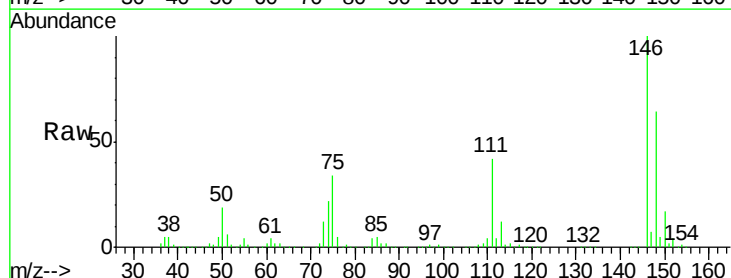
Tgt Ion:146 Resp: 195449

Ion Ratio Lower Upper

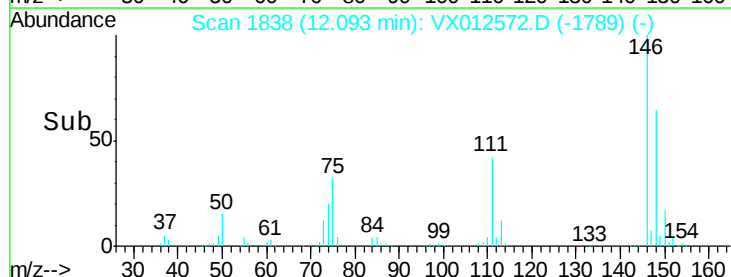
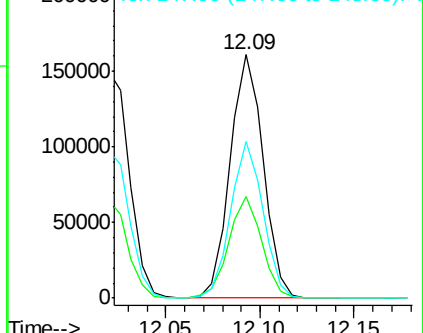
146 100

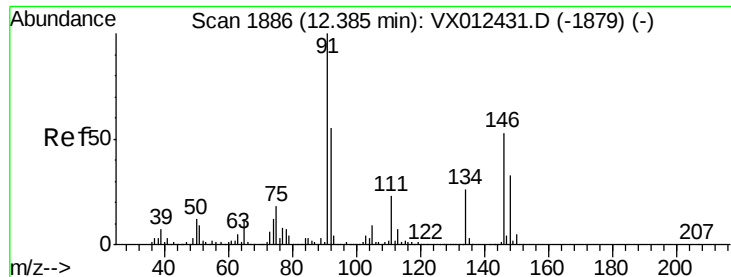
111 41.6 21.1 63.3

148 63.0 32.1 96.5



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





#89

n-Butylbenzene

Concen: 48.769 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

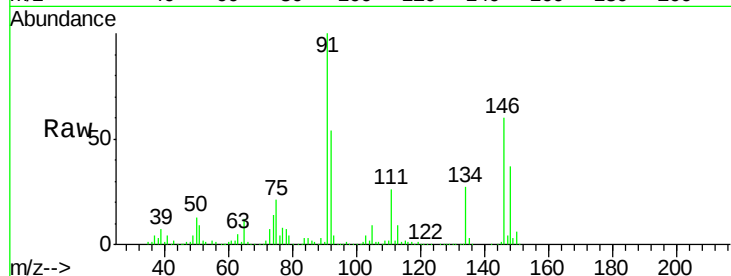
Tot Ion: 91 Resp: 321536

Ion Ratio Lower Upper

91 100

92 54.6 27.7 83.0

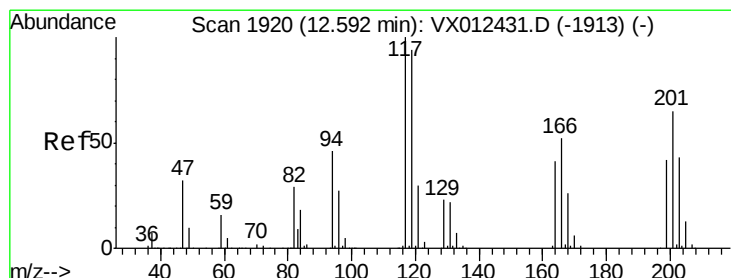
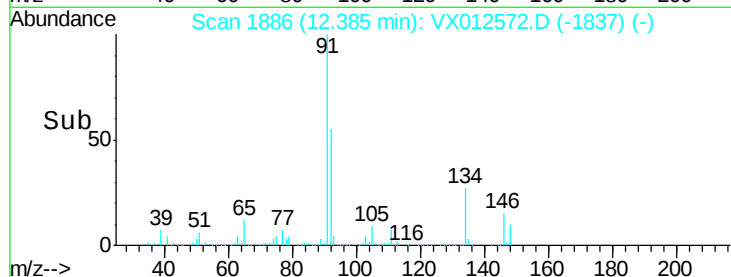
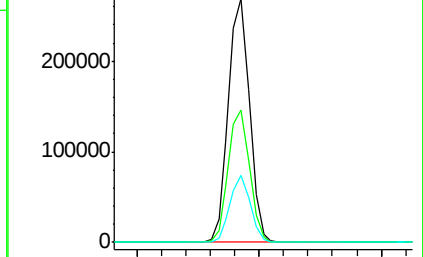
134 26.4 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VX012431.D (-1879) (-)

Ion 92.00 (91.70 to 92.70): VX012431.D (-1879) (-)

Ion 134.00 (133.70 to 134.70): VX012431.D (-1879) (-)



#90

Hexachloroethane

Concen: 49.103 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012572.D

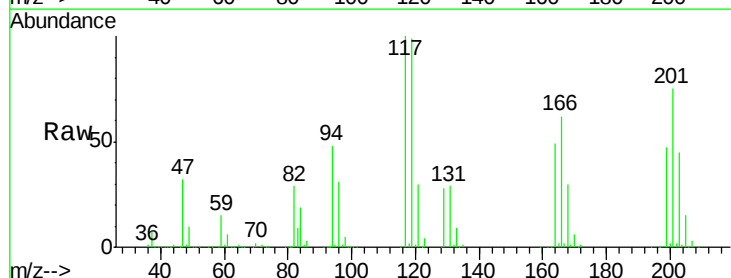
Acq: 20 Sep 2019 21:25

Tgt Ion: 117 Resp: 66530

Ion Ratio Lower Upper

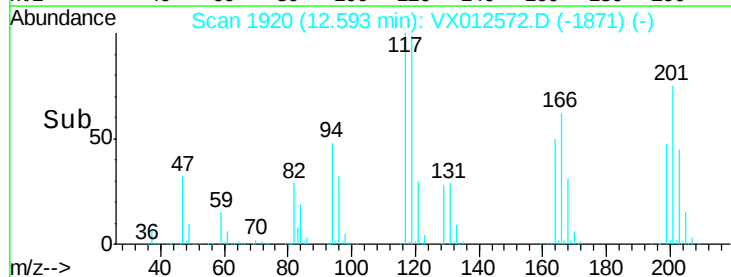
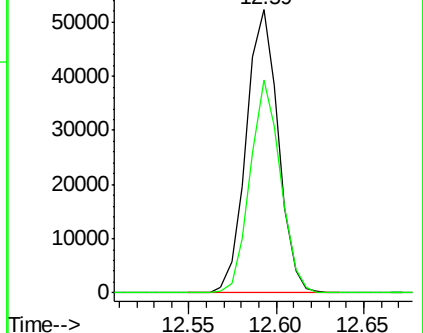
117 100

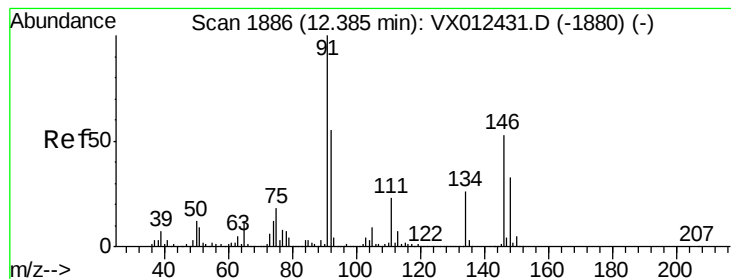
201 71.3 33.3 99.8



Abundance Ion 116.80 (116.50 to 117.50): VX012431.D (-1913) (-)

Ion 200.70 (200.40 to 201.40): VX012431.D (-1913) (-)





#91

1,2-Dichlorobenzene

Concen: 52.771 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

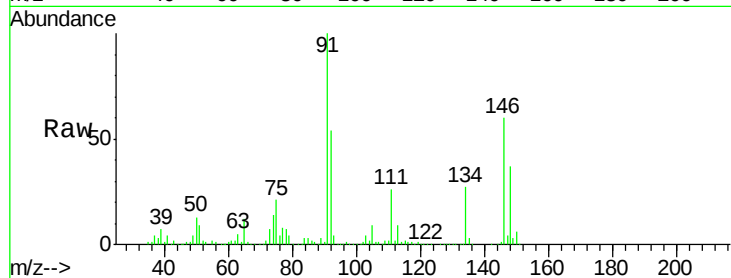
Tot Ion:146 Resp: 202203

Ion Ratio Lower Upper

146 100

111 43.8 22.1 66.1

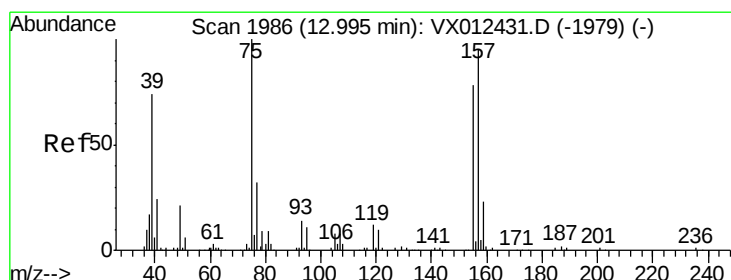
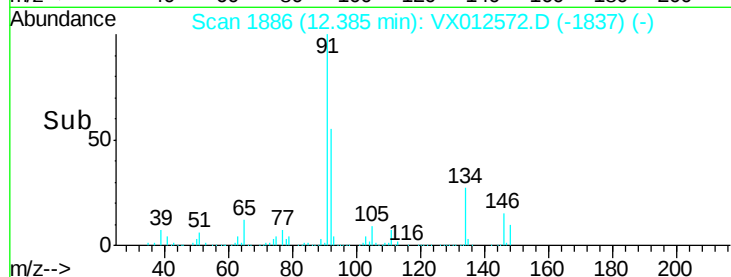
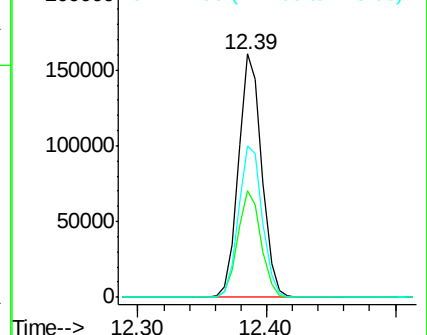
148 63.6 31.3 93.9



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: 54.713 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

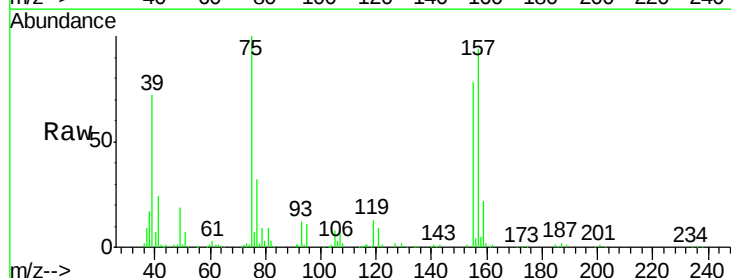
Tgt Ion: 75 Resp: 44465

Ion Ratio Lower Upper

75 100

155 79.3 38.6 115.8

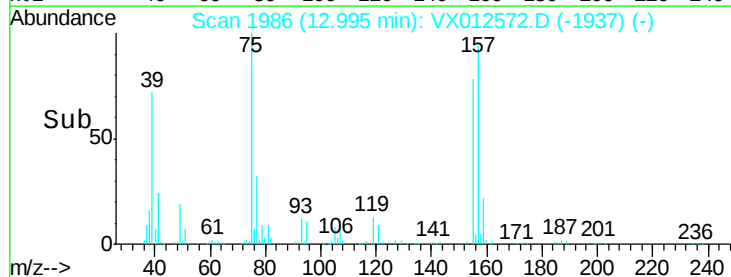
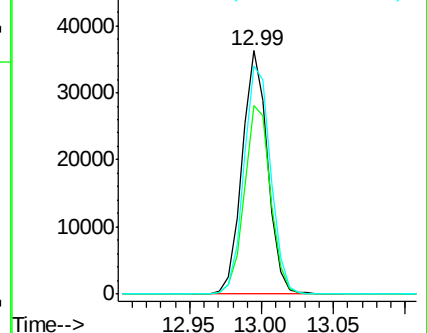
157 98.3 50.6 151.9

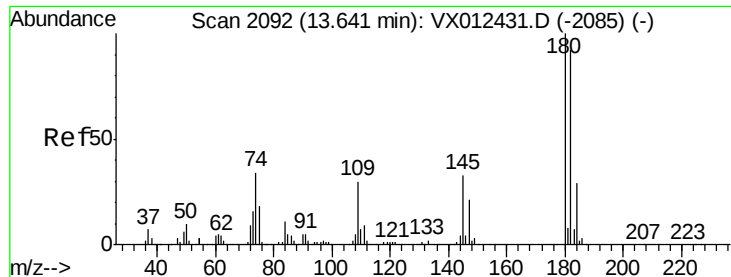


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

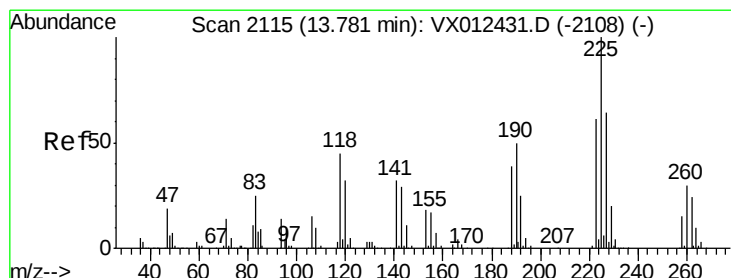
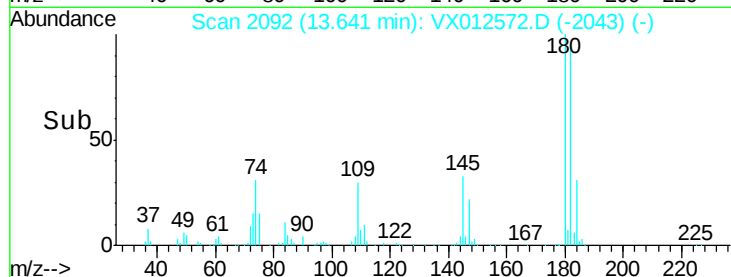
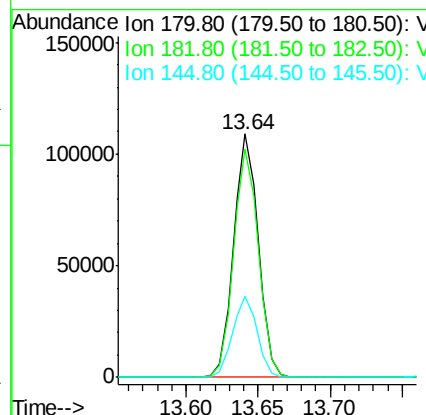
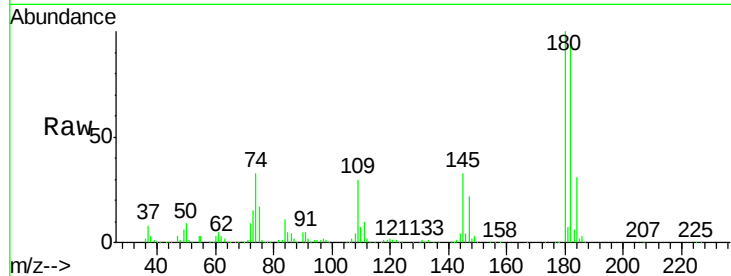




#93
 1,2,4-Trichlorobenzene
 Concen: 53.231 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

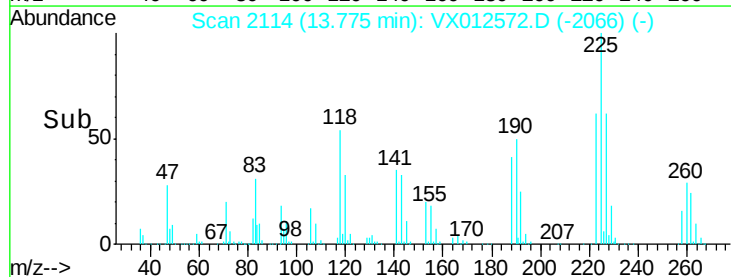
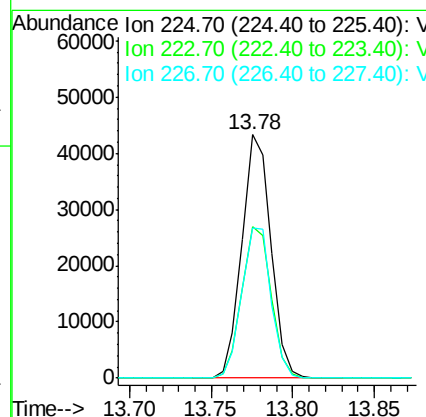
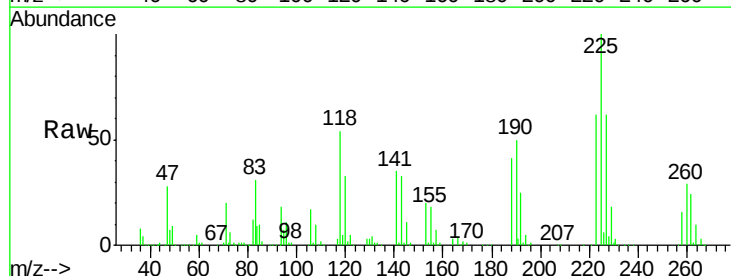
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

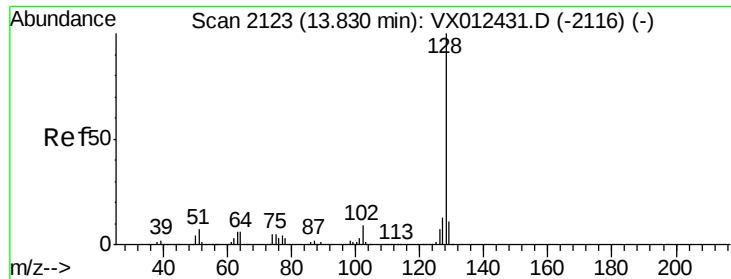
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.0
145	33.3	16.8	50.4



#94
 Hexachlorobutadiene
 Concen: 46.255 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.0	96.2
227	62.8	31.9	95.5

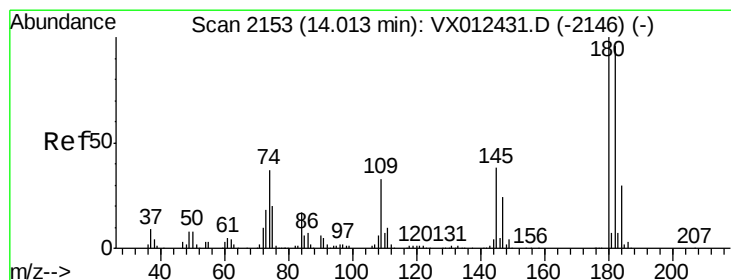
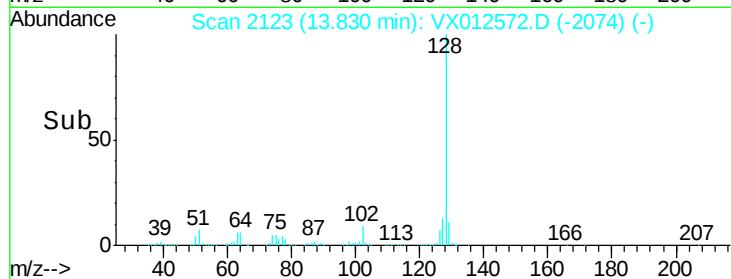
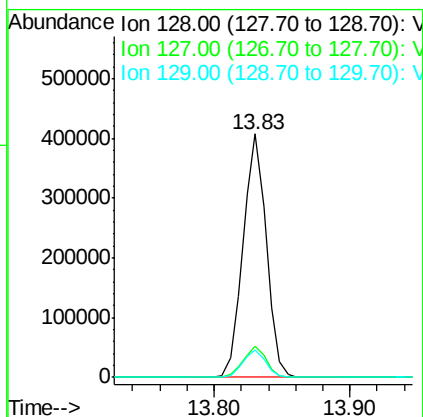
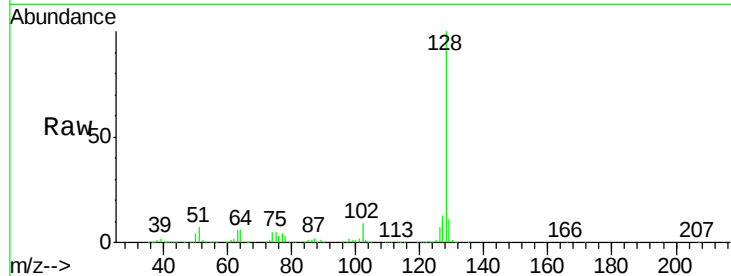




#95
Naphthalene
Concen: 55.154 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 484353
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 53.991 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion:180 Resp: 135790
Ion Ratio Lower Upper
180 100
182 94.3 47.1 141.3
145 34.9 18.0 54.0

