

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021219\
 Data File : VX007497.D
 Acq On : 12 Feb 2019 19:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 13 00:14:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	471311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	717046	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	646127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	321316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	248550	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	5.51	113	229614	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	8.71	98	837376	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.13	95	294318	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	254432	43.952	ug/l	100
3) Chloromethane	1.33	50	230113	43.347	ug/l	99
4) Vinyl Chloride	1.41	62	254063	48.784	ug/l	100
5) Bromomethane	1.64	94	211321	40.948	ug/l	98
6) Chloroethane	1.72	64	159957	47.479	ug/l	98
7) Trichlorofluoromethane	1.93	101	390121	47.885	ug/l	99
8) Diethyl Ether	2.19	74	145615	47.487	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	215784	44.527	ug/l	99
10) Methyl Iodide	2.51	142	305147	42.804	ug/l	99
11) Tert butyl alcohol	3.07	59	261745	252.823	ug/l	99
12) 1,1-Dichloroethene	2.37	96	207297	46.065	ug/l	100
13) Acrolein	2.30	56	111016	228.675	ug/l	99
14) Allyl chloride	2.73	41	367830	50.166	ug/l	98
15) Acrylonitrile	3.15	53	668104	260.867	ug/l	100
16) Acetone	2.45	43	573490	250.263	ug/l	100
17) Carbon Disulfide	2.57	76	520773	44.499	ug/l	100
18) Methyl Acetate	2.78	43	362748	60.627	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	730195	50.086	ug/l	96
20) Methylene Chloride	2.85	84	233833	49.957	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	218121	45.501	ug/l	97
22) Diisopropyl ether	3.87	45	680926	50.487	ug/l	98
23) Vinyl Acetate	3.82	43	2873062	256.705	ug/l	99
24) 1,1-Dichloroethane	3.70	63	381805	49.294	ug/l	99
25) 2-Butanone	4.70	43	862405	264.448	ug/l	98
26) 2,2-Dichloropropane	4.58	77	270793	45.908	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	252346	48.195	ug/l	98
28) Bromochloromethane	5.02	49	176911	49.668	ug/l	98
29) Tetrahydrofuran	5.15	42	559833	272.950	ug/l	99
30) Chloroform	5.21	83	402684	49.823	ug/l	98
31) Cyclohexane	5.57	56	317348	45.619	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	348044	51.016	ug/l	99
36) 1,1-Dichloropropene	5.80	75	282346	43.886	ug/l	100
37) Ethyl Acetate	4.85	43	322099	49.526	ug/l	99
38) Carbon Tetrachloride	5.79	117	303972	48.701	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	338193	43.447	ug/l	99
40) Benzene	6.14	78	888182	46.866	ug/l	99
41) Methacrylonitrile	5.06	41	180035	51.651	ug/l	99
42) 1,2-Dichloroethane	6.20	62	303827	46.335	ug/l	98
43) Isopropyl Acetate	6.46	43	517097	51.512	ug/l	99
44) Trichloroethene	7.21	130	260147	45.578	ug/l	99
45) 1,2-Dichloropropane	7.52	63	225774	47.548	ug/l	94
46) Dibromomethane	7.66	93	159724	46.282	ug/l	100
47) Bromodichloromethane	7.90	83	292872	50.073	ug/l	99
48) Methyl methacrylate	7.77	41	261415	52.063	ug/l	99
49) 1,4-Dioxane	7.75	88	104804	918.365	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1696033	256.651	ug/l	100
52) Toluene	8.79	92	565463	46.246	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	321092	51.108	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	351864	50.929	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	245145	48.097	ug/l	98
56) Ethyl methacrylate	9.18	69	357156	50.594	ug/l	99
57) 1,3-Dichloropropane	9.37	76	383860	47.358	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	900583	242.041	ug/l	99
59) 2-Hexanone	9.49	43	1280926	249.092	ug/l	99
60) Dibromochloromethane	9.58	129	257771	53.475	ug/l	99
61) 1,2-Dibromoethane	9.67	107	262169	48.571	ug/l	99
64) Tetrachloroethene	9.34	164	256127	42.058	ug/l	97
65) Chlorobenzene	10.14	112	657498	46.632	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	244381	51.697	ug/l	99
67) Ethyl Benzene	10.25	91	1084020	47.742	ug/l	98
68) m/p-Xylenes	10.36	106	843514	93.455	ug/l	99
69) o-Xylene	10.69	106	416478	47.953	ug/l	100
70) Styrene	10.71	104	681297	48.369	ug/l	99
71) Bromoform	10.86	173	197813	47.895	ug/l	100
73) Isopropylbenzene	11.02	105	1104056	50.563	ug/l	99
74) N-amyl acetate	10.90	43	450793	53.376	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	359209	53.980	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	411635	65.862	ug/l	78
77) Bromobenzene	11.26	156	302010	49.090	ug/l	99
78) n-propylbenzene	11.36	91	1233465	51.515	ug/l	100
79) 2-Chlorotoluene	11.42	91	720028	49.560	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	888462	49.735	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	103822	51.231	ug/l	93
82) 4-Chlorotoluene	11.51	91	818531	48.690	ug/l	99
83) tert-Butylbenzene	11.77	119	892203	50.446	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	918786	50.661	ug/l	100
85) sec-Butylbenzene	11.94	105	1084809	50.678	ug/l	100
86) p-Isopropyltoluene	12.06	119	963503	49.863	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	524111	47.469	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	515745	46.042	ug/l	99
89) n-Butylbenzene	12.38	91	816566	49.124	ug/l	100
90) Hexachloroethane	12.60	117	164087	56.739	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	521896	47.497	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	76474	55.269	ug/l	98

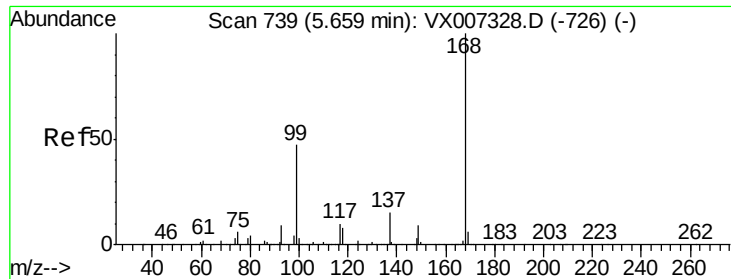
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	357863	48.293	ug/l	100
94) Hexachlorobutadiene	13.78	225	169340	47.063	ug/l	100
95) Naphthalene	13.83	128	1143648	52.776	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	358327	48.039	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

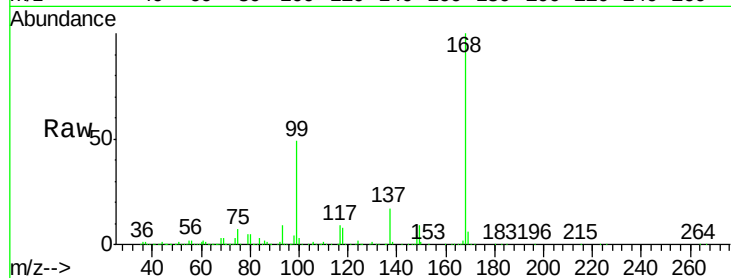
VSTDCCC050EC

Tot Ion:168 Resp: 471311

Ion Ratio Lower Upper

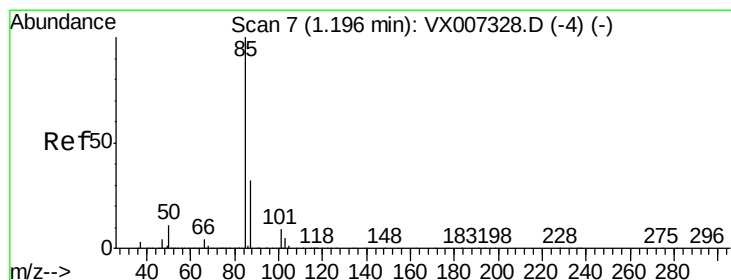
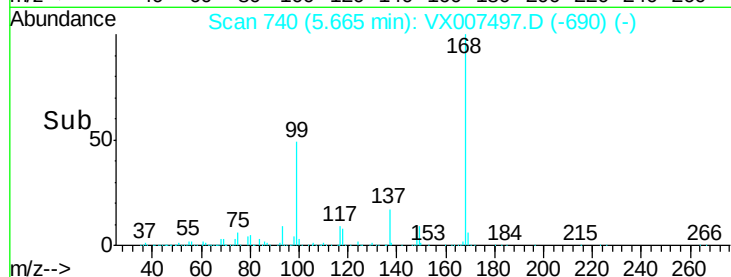
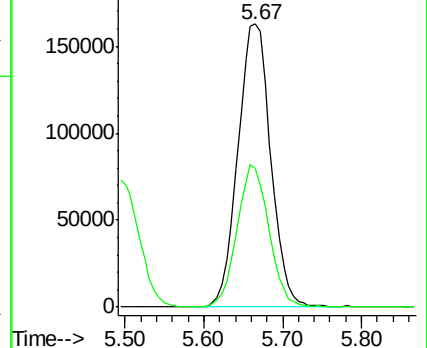
168 100

99 48.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 43.952 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007497.D

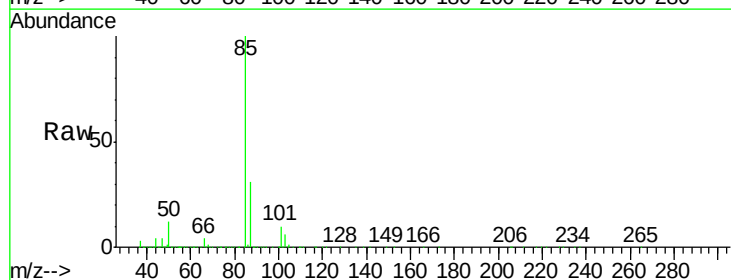
Acq: 12 Feb 2019 19:03

Tgt Ion: 85 Resp: 254432

Ion Ratio Lower Upper

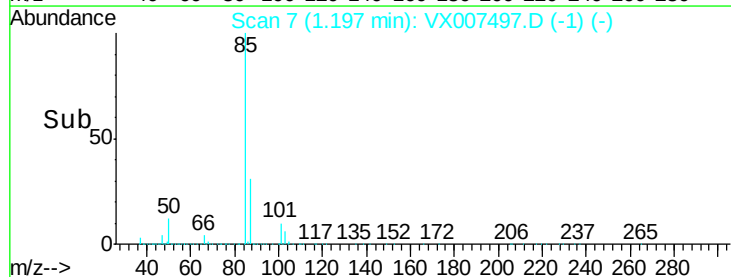
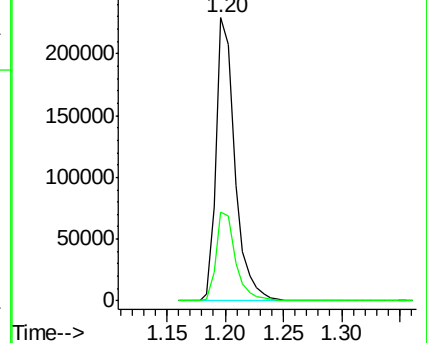
85 100

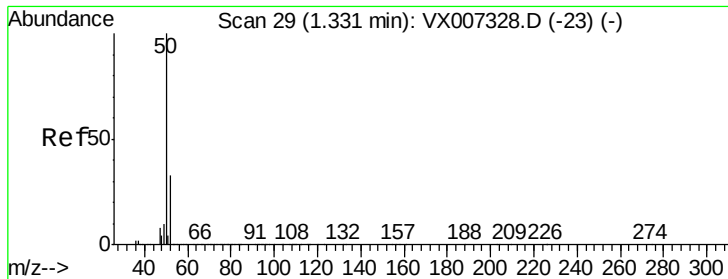
87 31.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 43.347 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

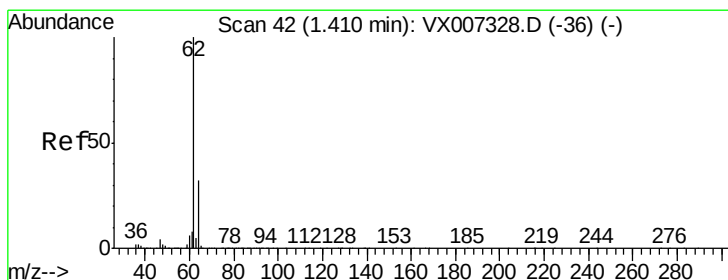
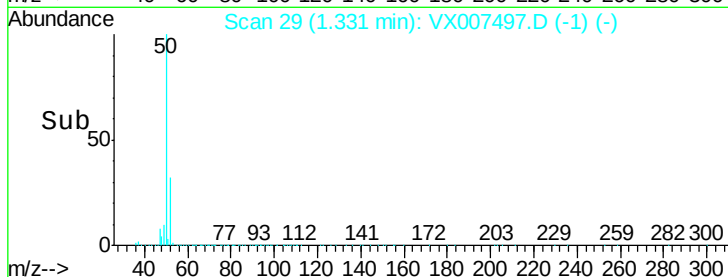
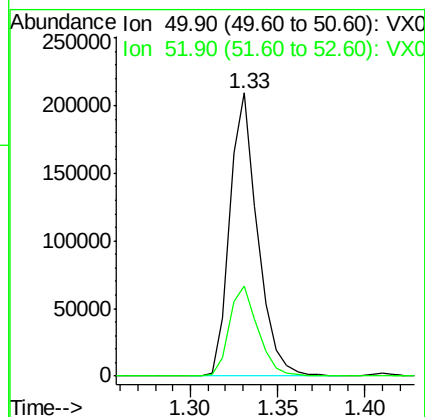
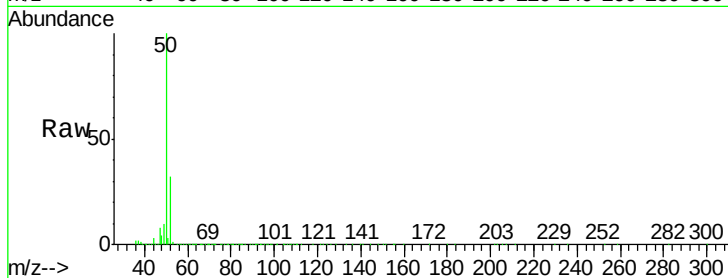
VSTDCCC050EC

Tot Ion: 50 Resp: 230113

Ion Ratio Lower Upper

50 100

52 31.9 26.1 39.1



#4

Vinyl Chloride

Concen: 48.784 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007497.D

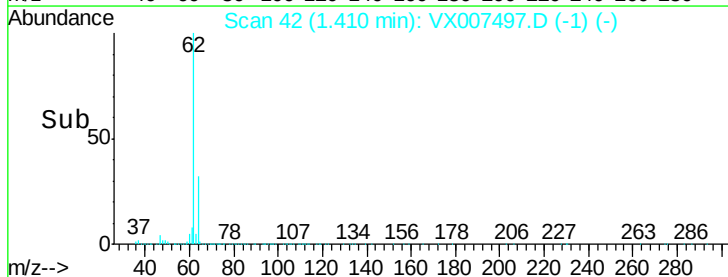
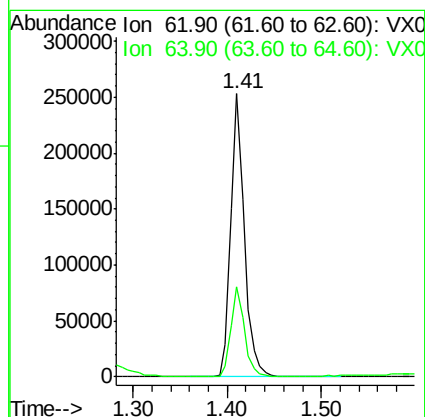
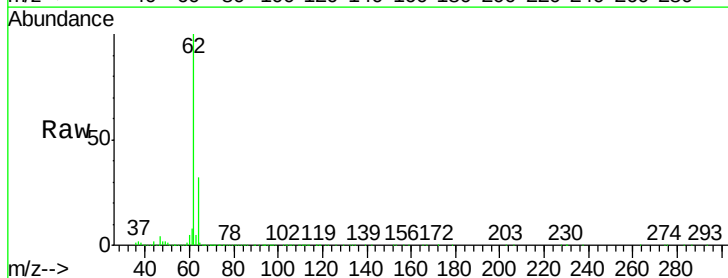
Acq: 12 Feb 2019 19:03

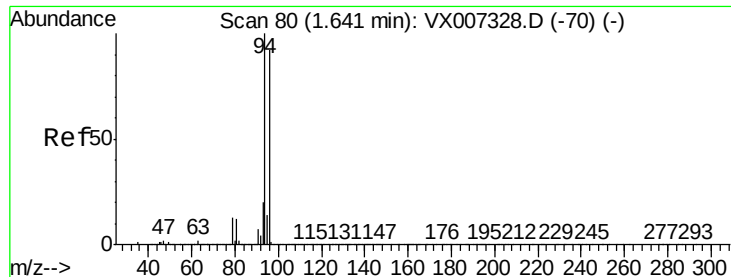
Tgt Ion: 62 Resp: 254063

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 40.948 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

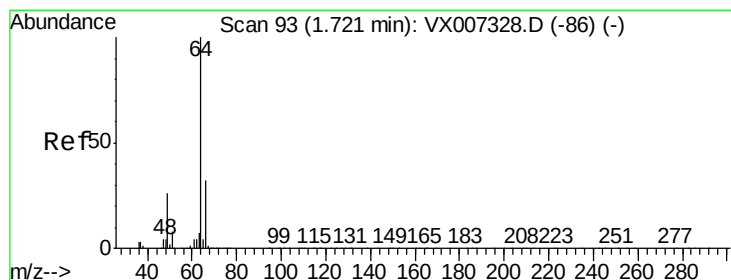
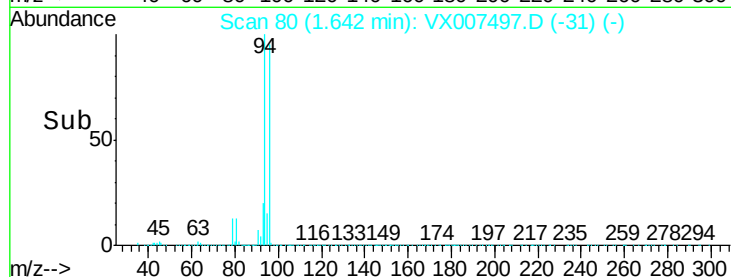
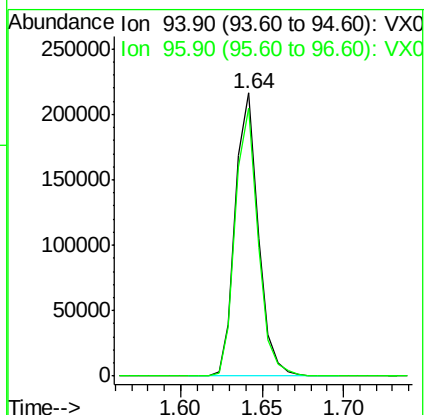
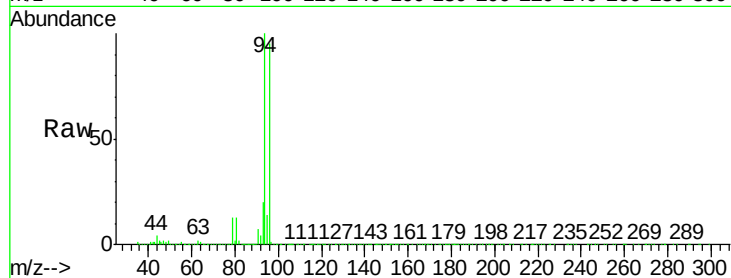
VSTDCCC050EC

Tot Ion: 94 Resp: 211321

Ion Ratio Lower Upper

94 100

96 94.7 73.9 110.9



#6

Chloroethane

Concen: 47.479 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007497.D

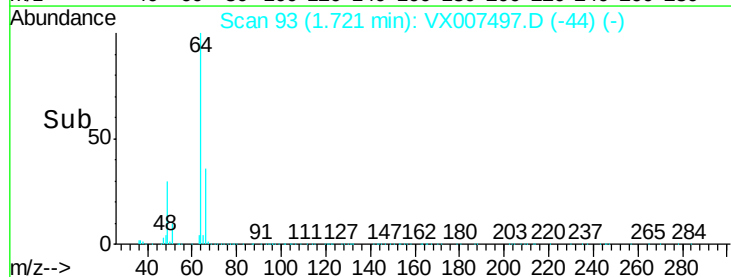
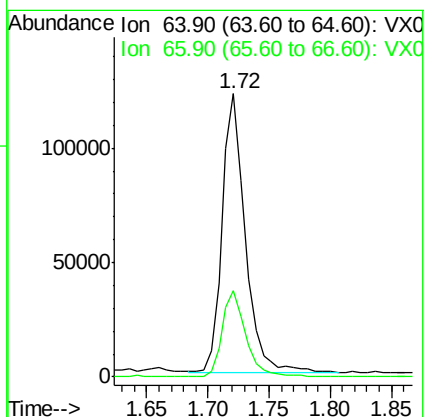
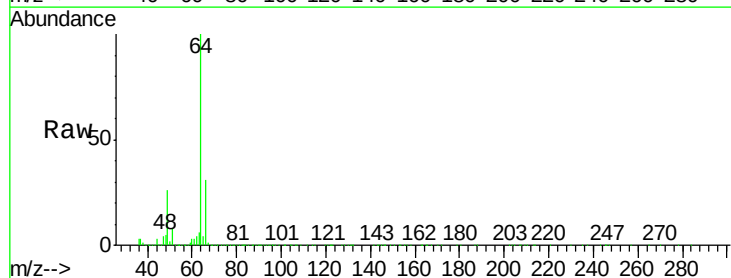
Acq: 12 Feb 2019 19:03

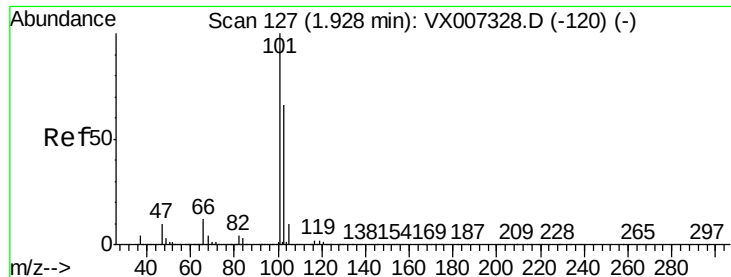
Tgt Ion: 64 Resp: 159957

Ion Ratio Lower Upper

64 100

66 31.0 25.5 38.3



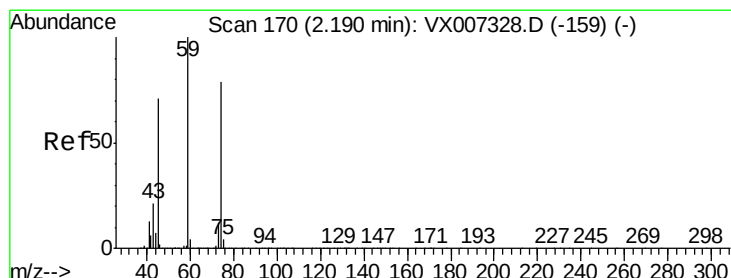
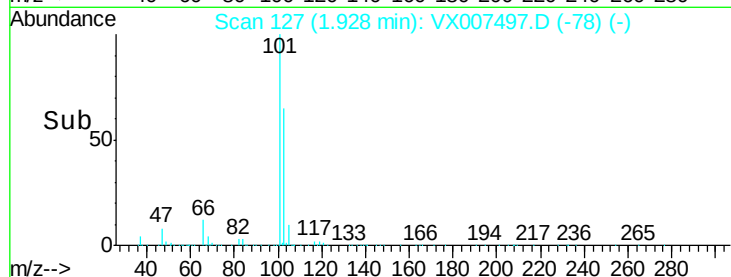
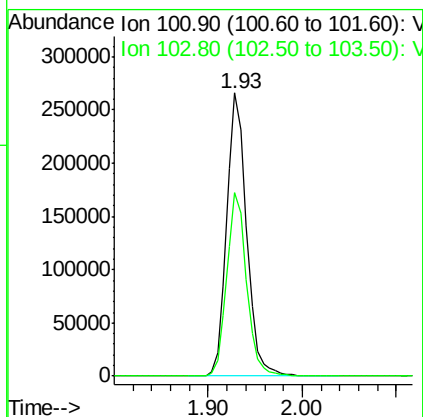
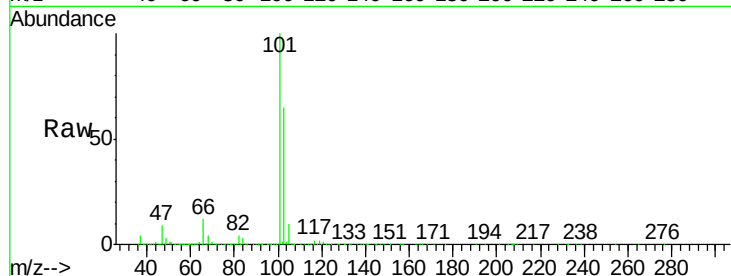


#7

Trichlorofluoromethane
Concen: 47.885 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

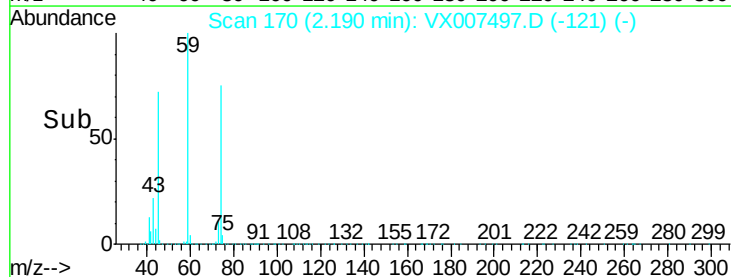
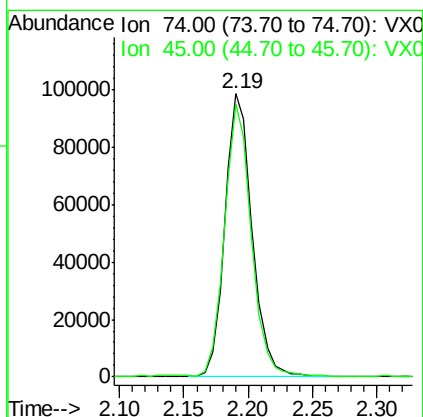
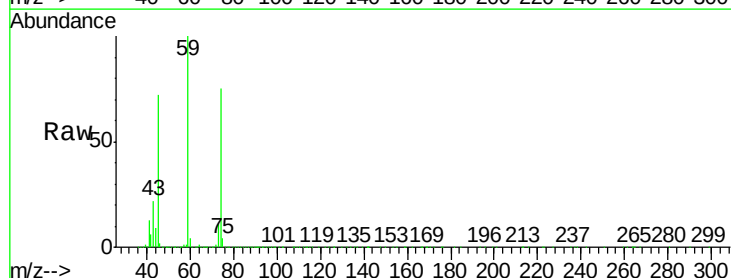
Tot Ion:101 Resp: 390121
Ion Ratio Lower Upper
101 100
103 64.7 52.6 79.0

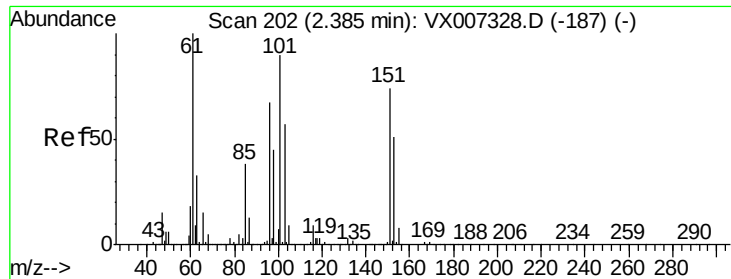


#8

Diethyl Ether
Concen: 47.487 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion: 74 Resp: 145615
Ion Ratio Lower Upper
74 100
45 95.3 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.527 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

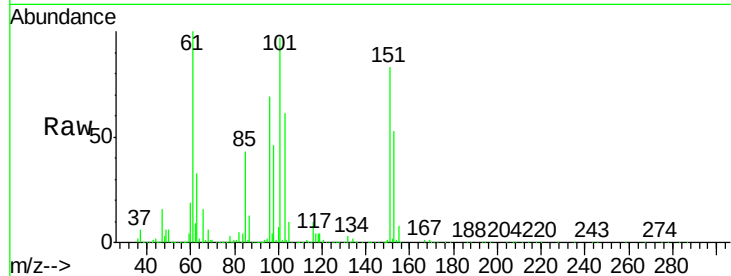
Tot Ion:101 Resp: 215784

Ion Ratio Lower Upper

101 100

85 43.7 34.1 51.1

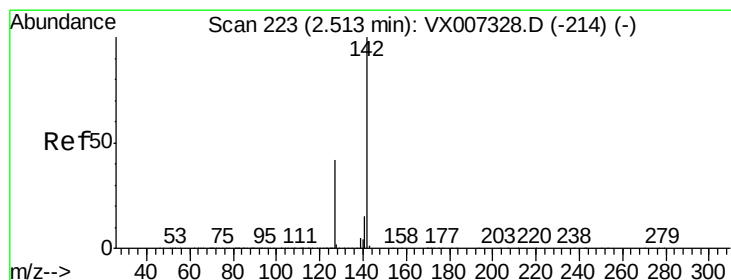
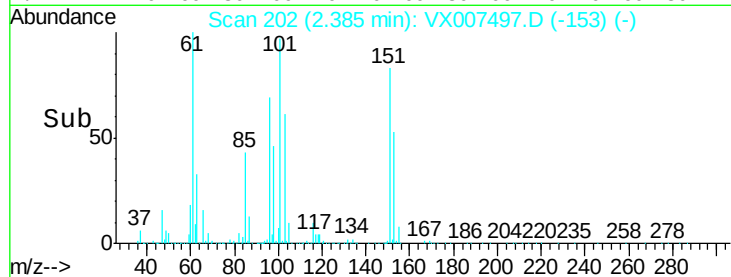
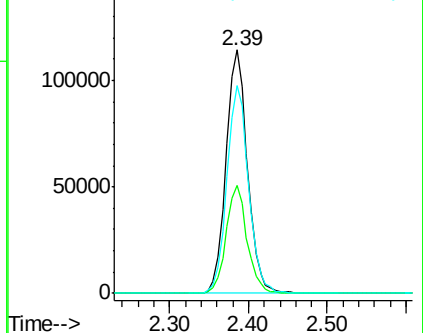
151 86.4 69.9 104.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.804 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

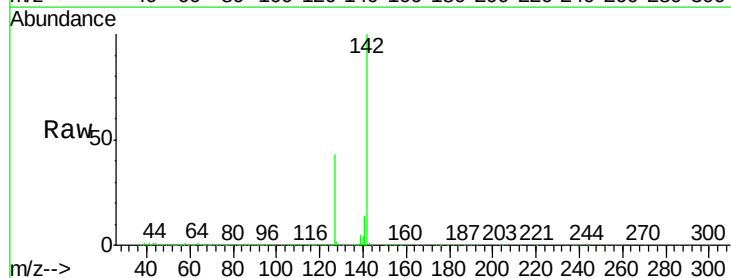
Tgt Ion:142 Resp: 305147

Ion Ratio Lower Upper

142 100

127 43.1 33.7 50.5

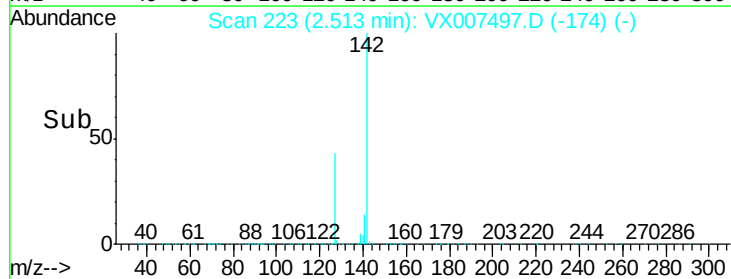
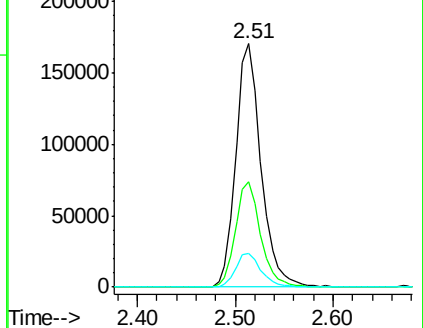
141 14.2 11.3 16.9

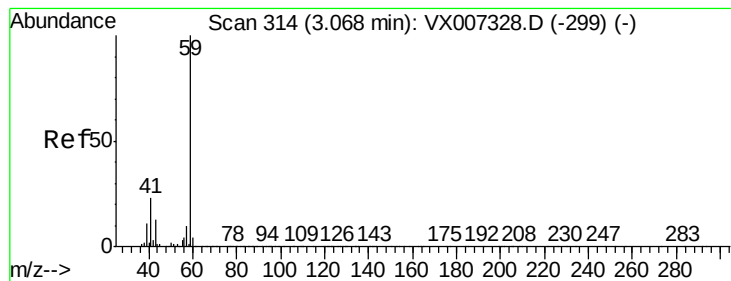


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



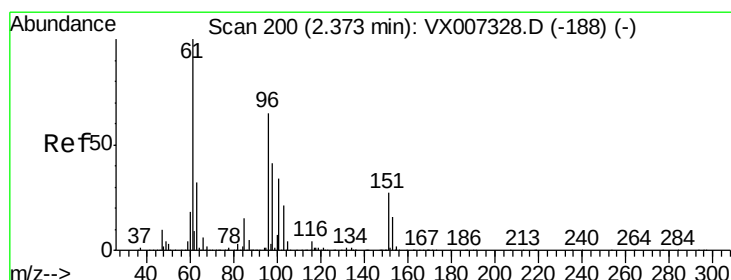
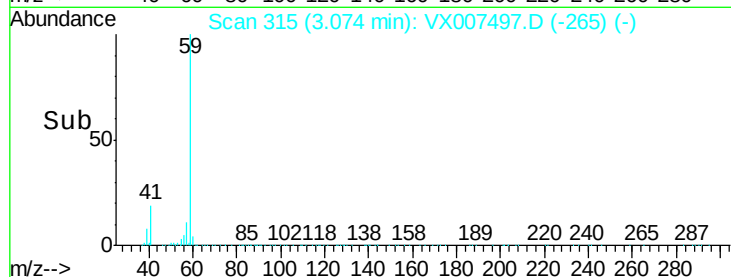
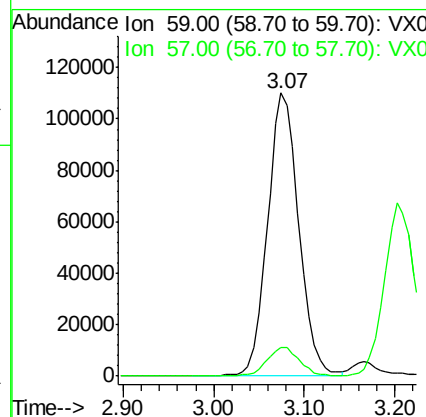
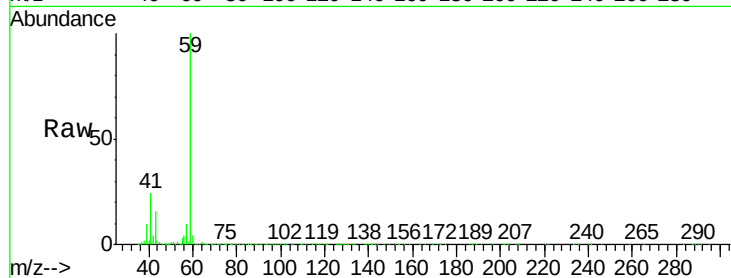


#11

Tert butyl alcohol
Concen: 252.823 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

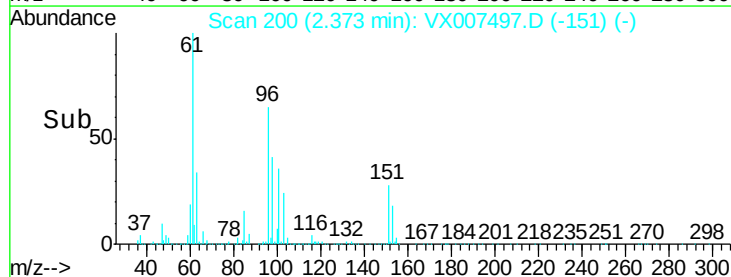
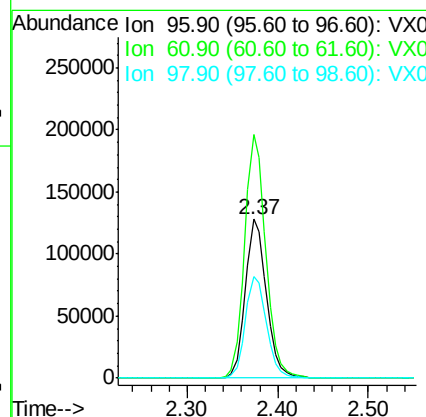
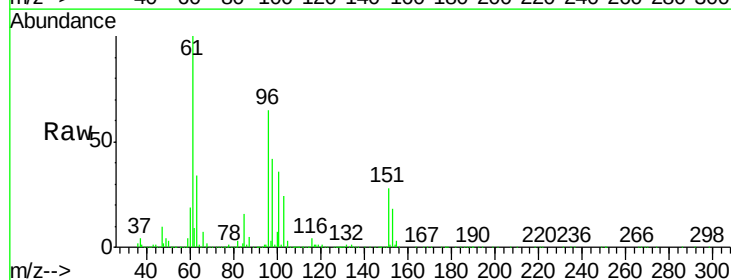
Tot Ion: 59 Resp: 261745
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1

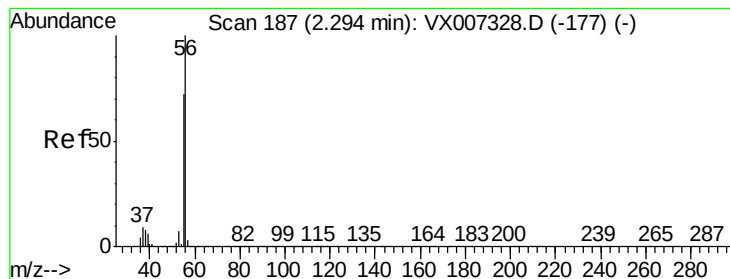


#12

1,1-Dichloroethene
Concen: 46.065 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion: 96 Resp: 207297
Ion Ratio Lower Upper
96 100
61 153.1 123.0 184.4
98 63.5 50.9 76.3





#13

Acrolein

Concen: 228.675 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

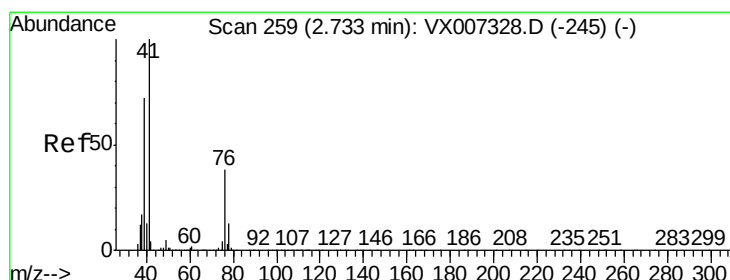
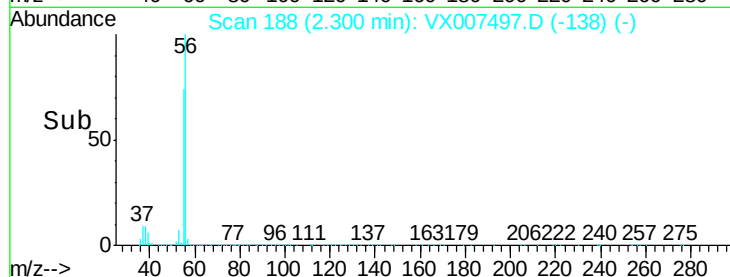
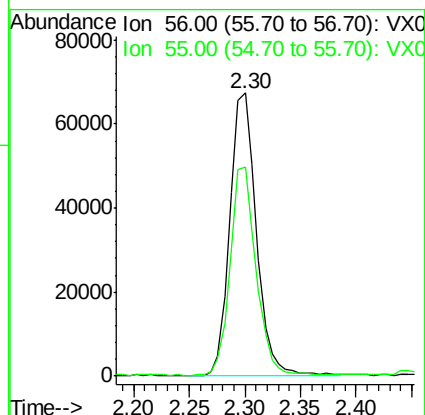
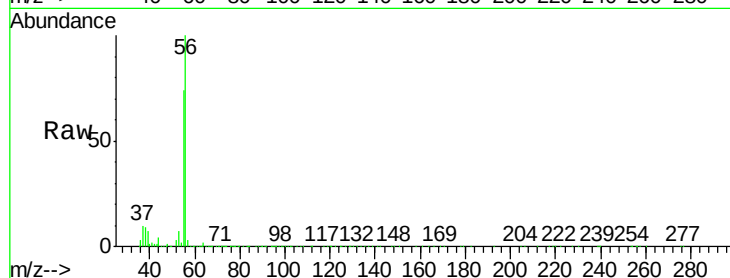
VSTDCCC050EC

Tot Ion: 56 Resp: 111016

Ion Ratio Lower Upper

56 100

55 71.8 56.9 85.3



#14

Allyl chloride

Concen: 50.166 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

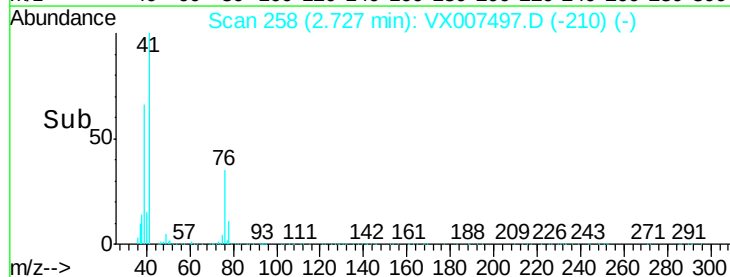
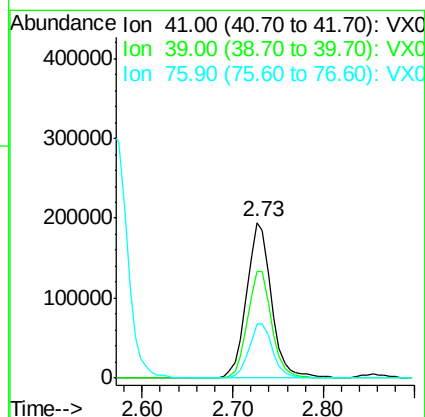
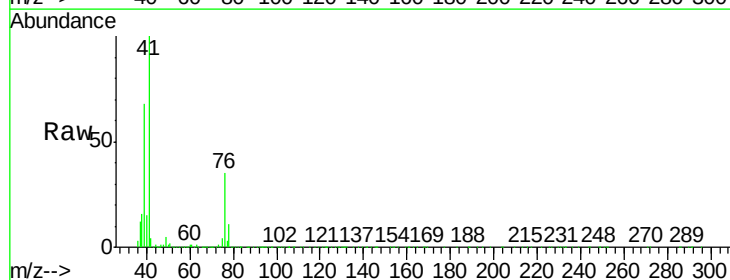
Tgt Ion: 41 Resp: 367830

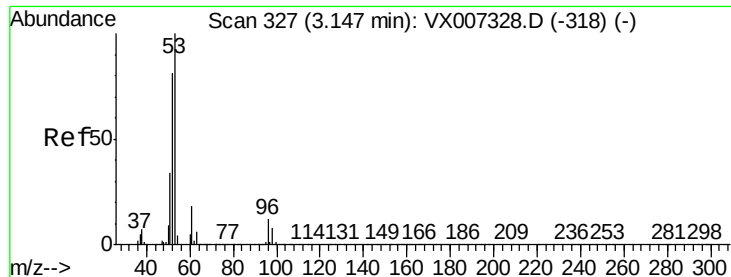
Ion Ratio Lower Upper

41 100

39 66.7 54.1 81.1

76 33.1 27.8 41.8





#15

Acrylonitrile

Concen: 260.867 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

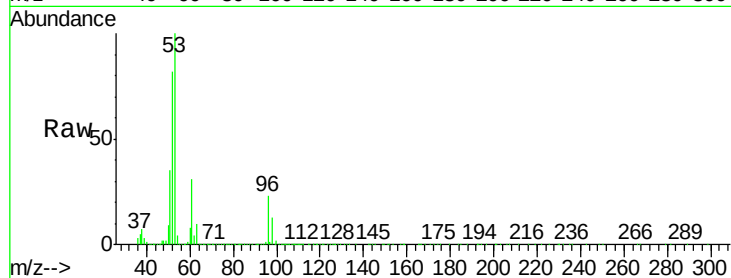
Tot Ion: 53 Resp: 668104

Ion Ratio Lower Upper

53 100

52 83.0 66.4 99.6

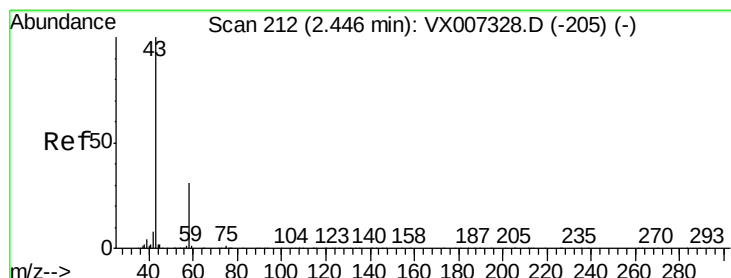
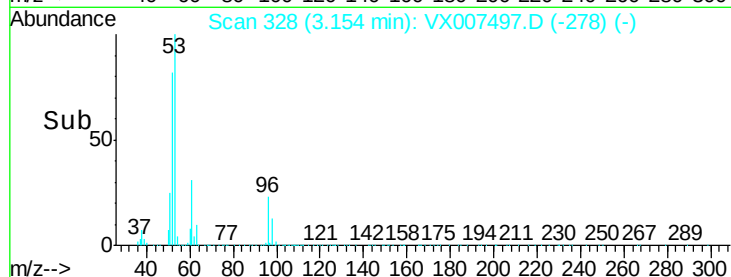
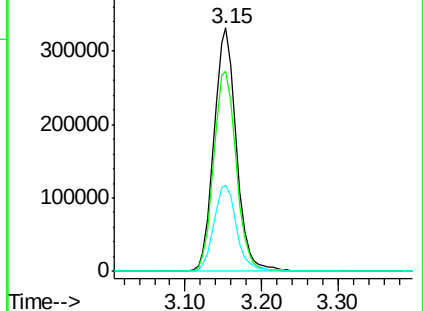
51 36.1 28.4 42.6



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: 250.263 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007497.D

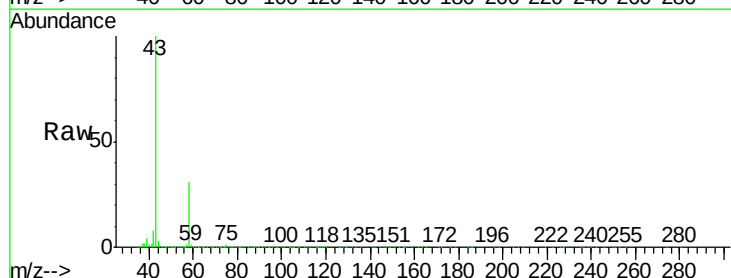
Acq: 12 Feb 2019 19:03

Tgt Ion: 43 Resp: 573490

Ion Ratio Lower Upper

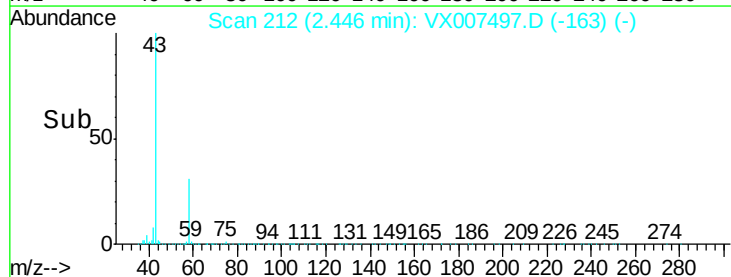
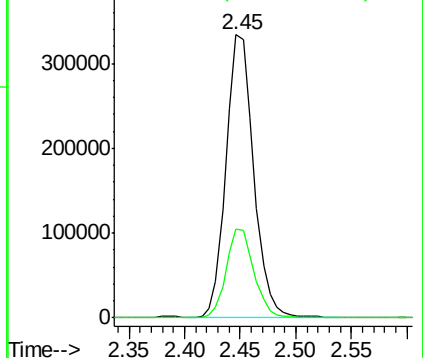
43 100

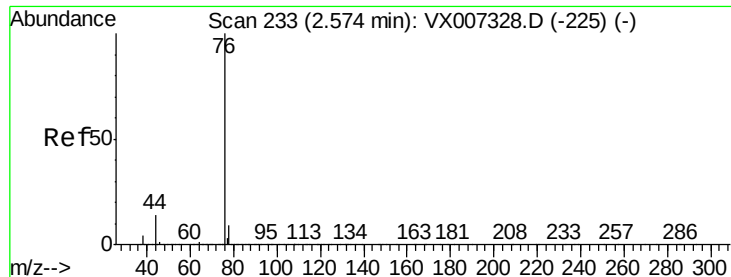
58 31.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 44.499 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

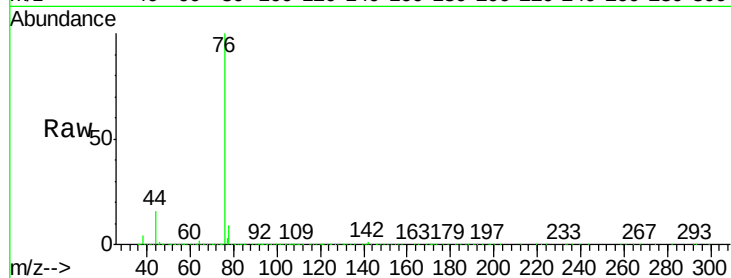
VSTDCCC050EC

Tot Ion: 76 Resp: 520773

Ion Ratio Lower Upper

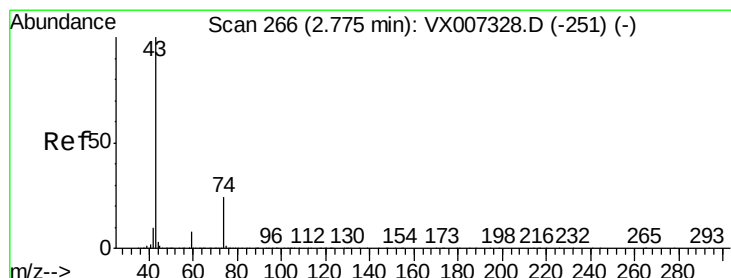
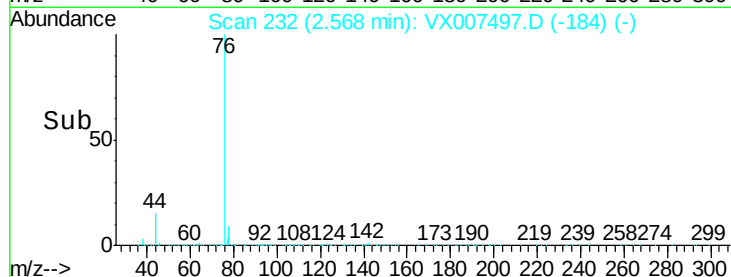
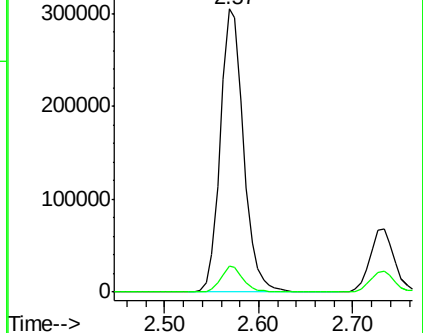
76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 60.627 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007497.D

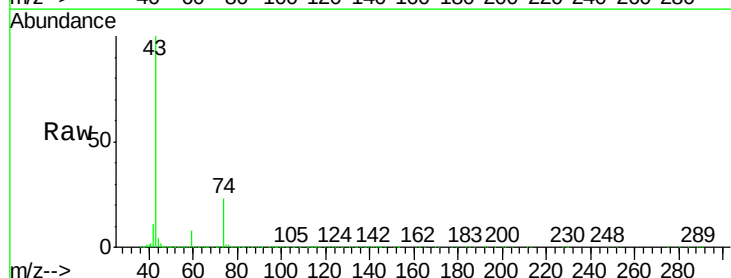
Acq: 12 Feb 2019 19:03

Tgt Ion: 43 Resp: 362748

Ion Ratio Lower Upper

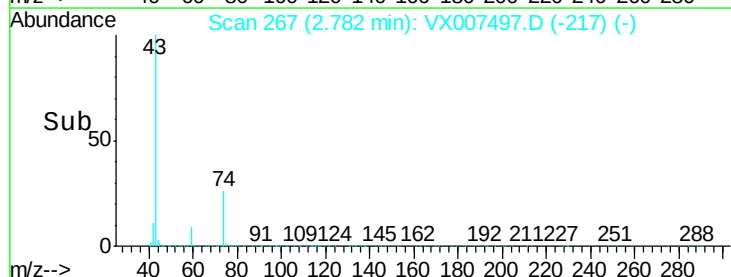
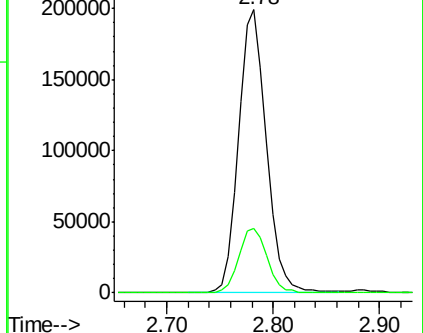
43 100

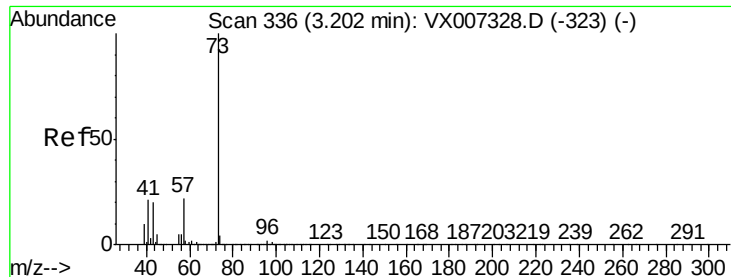
74 23.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

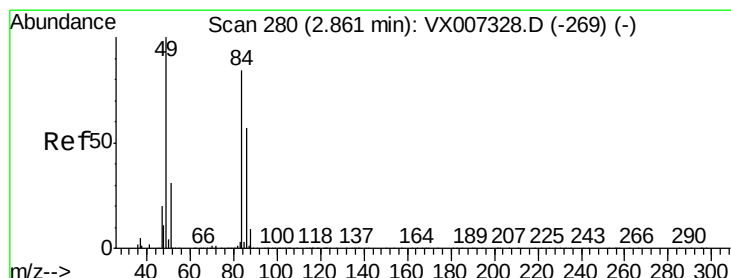
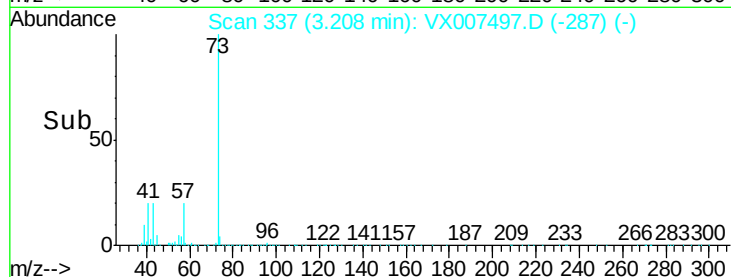
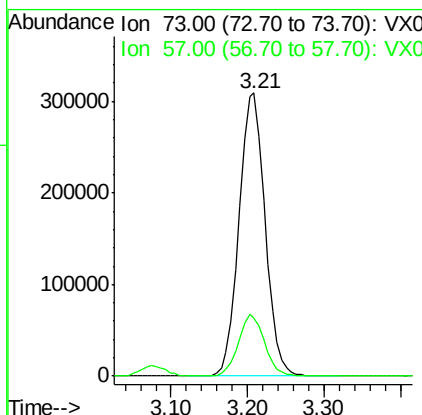
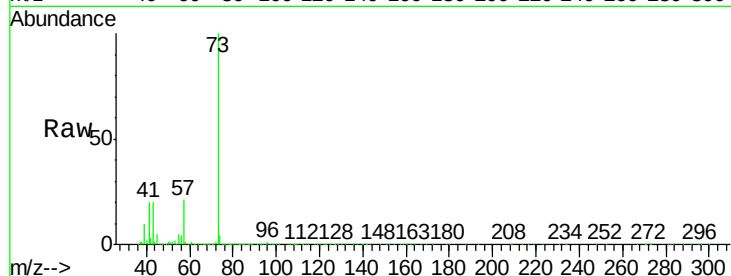




#19
Methyl tert-butyl Ether
Concen: 50.086 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

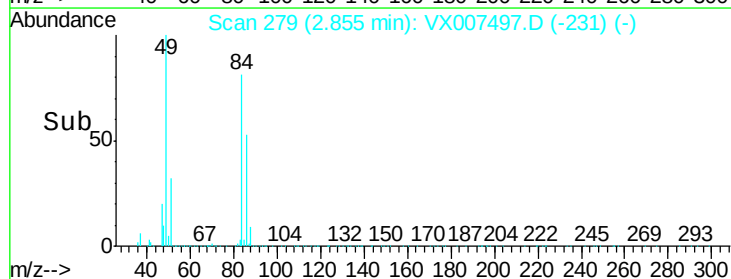
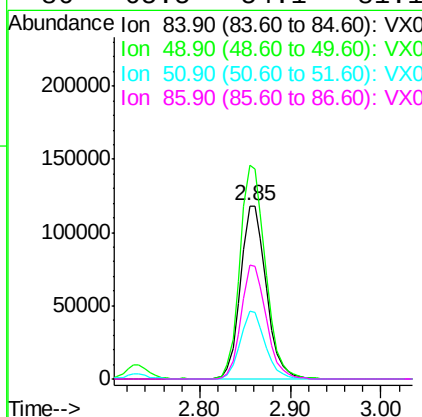
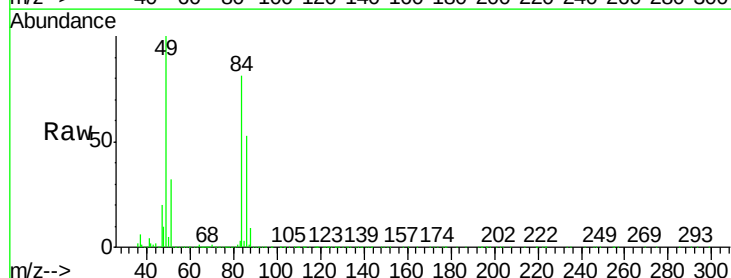
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

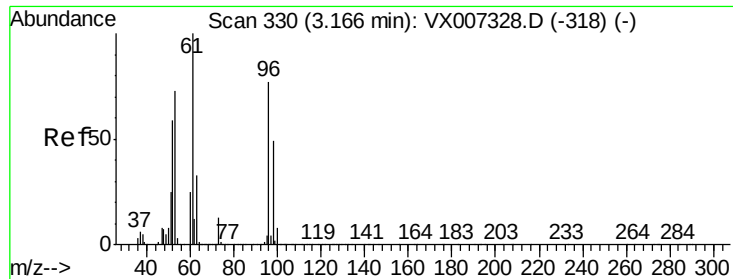
Tot Ion: 73 Resp: 730195
Ion Ratio Lower Upper
73 100
57 20.5 17.8 26.8



#20
Methylene Chloride
Concen: 49.957 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion: 84 Resp: 233833
Ion Ratio Lower Upper
84 100
49 123.1 94.8 142.2
51 39.0 29.8 44.8
86 65.5 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 45.501 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

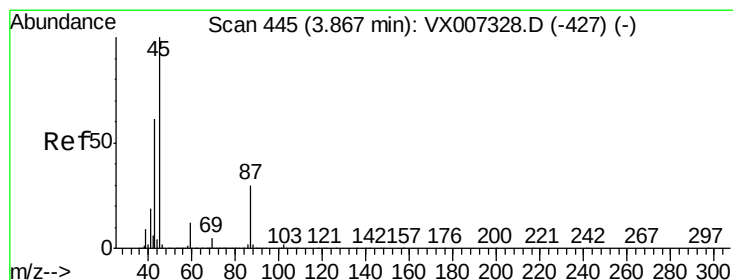
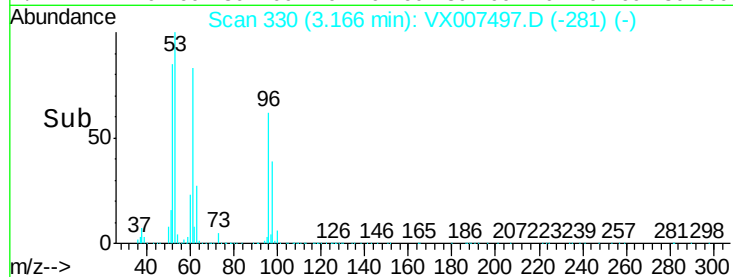
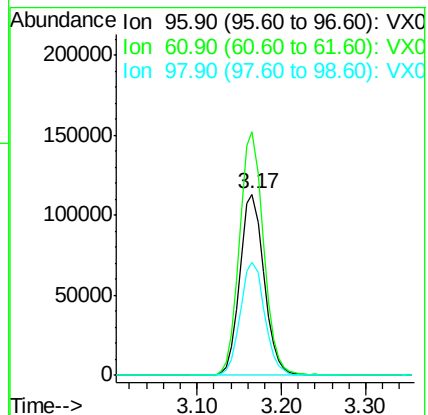
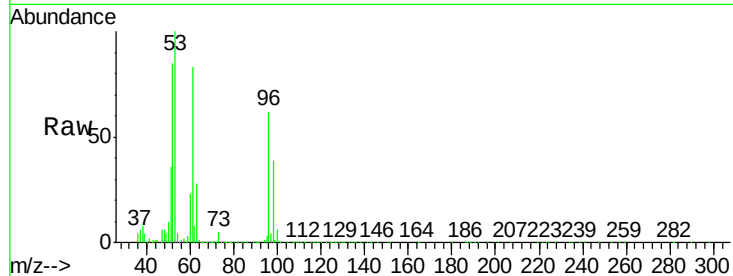
Tot Ion: 96 Resp: 218121

Ion Ratio Lower Upper

96 100

61 134.3 104.6 156.8

98 62.5 51.0 76.4



#22

Diisopropyl ether

Concen: 50.487 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Tgt Ion: 45 Resp: 680926

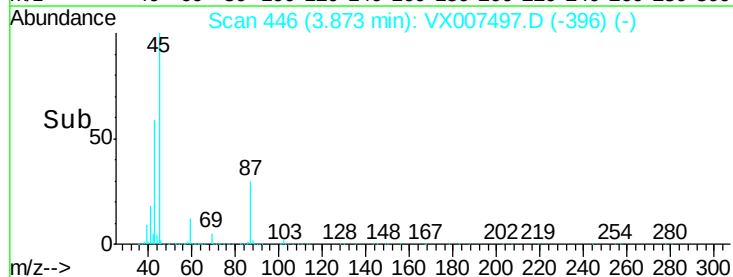
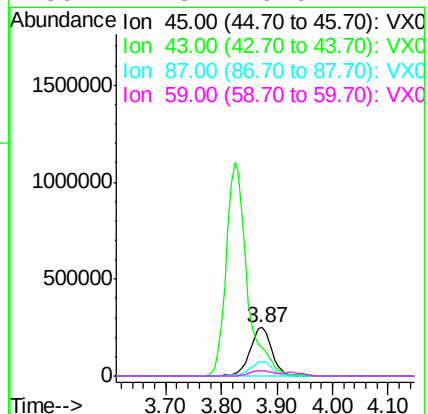
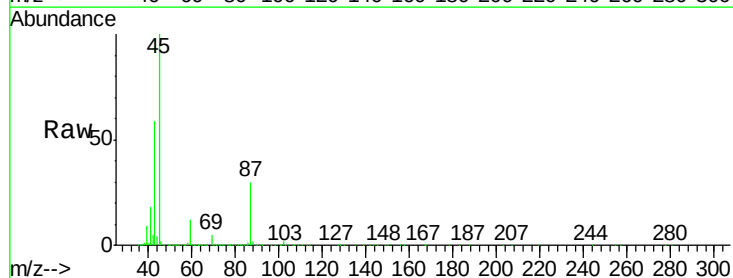
Ion Ratio Lower Upper

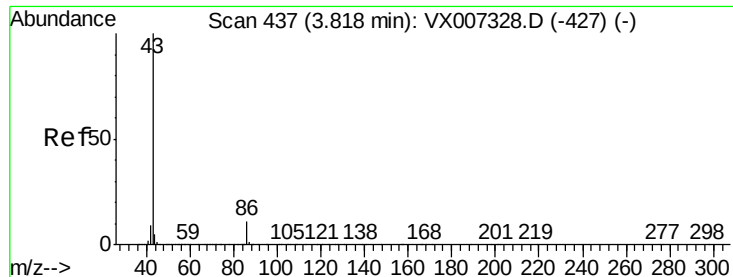
45 100

43 59.2 48.9 73.3

87 30.2 23.9 35.9

59 11.8 9.6 14.4





#23

Vinyl Acetate

Concen: 256.705 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

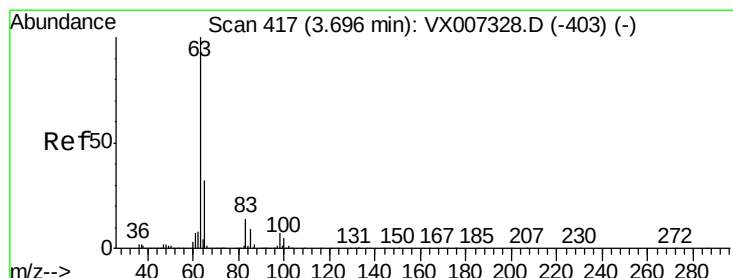
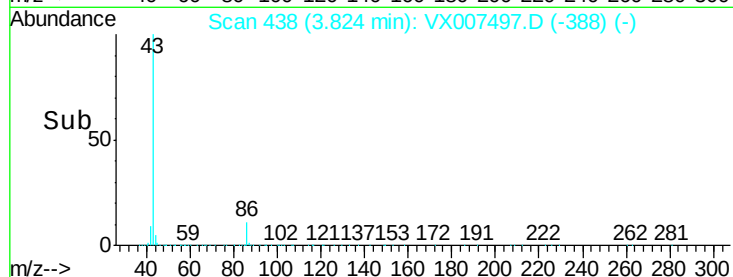
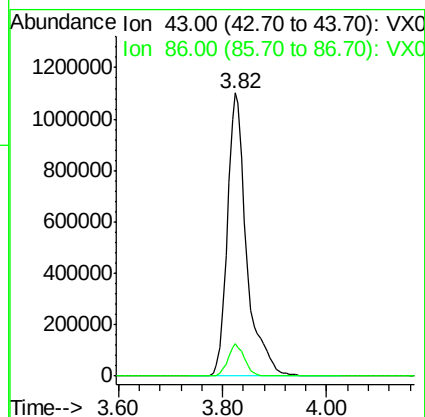
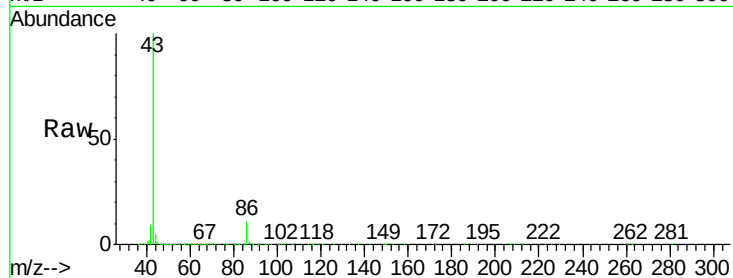
VSTDCCC050EC

Tot Ion: 43 Resp: 2873062

Ion Ratio Lower Upper

43 100

86 11.3 8.7 13.1



#24

1,1-Dichloroethane

Concen: 49.294 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

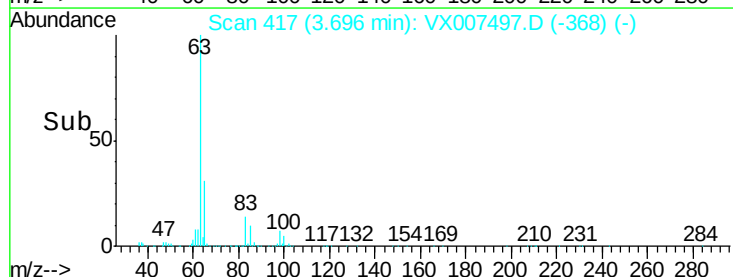
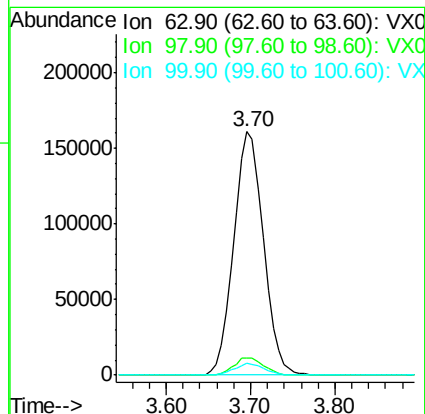
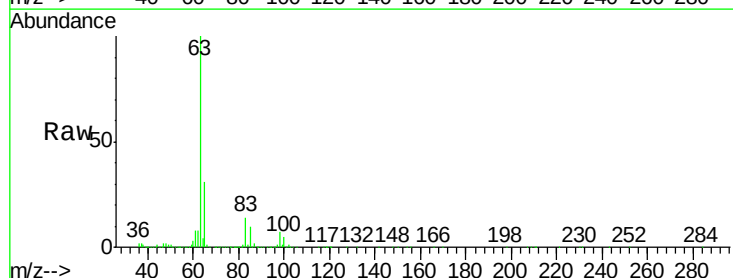
Tgt Ion: 63 Resp: 381805

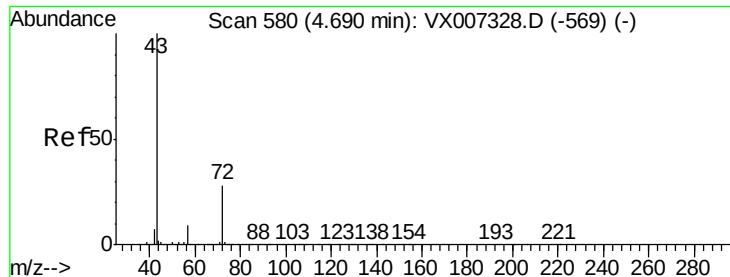
Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.8

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 264.448 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

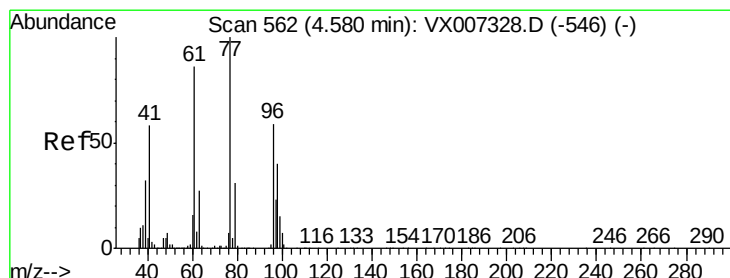
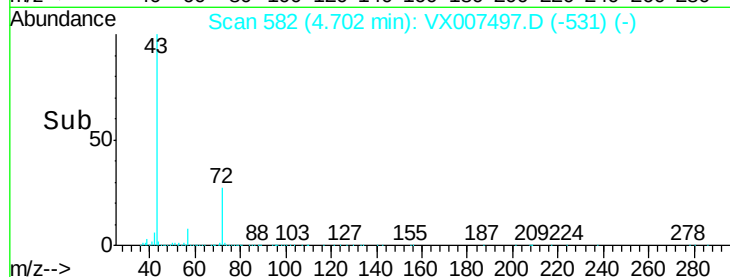
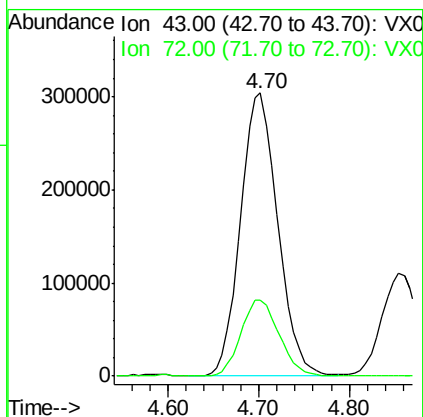
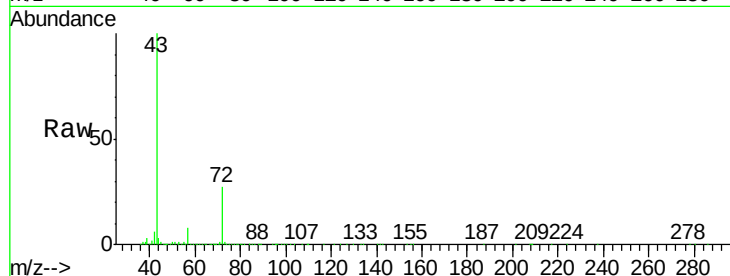
VSTDCCC050EC

Tot Ion: 43 Resp: 862405

Ion Ratio Lower Upper

43 100

72 26.7 22.2 33.2



#26

2,2-Dichloropropane

Concen: 45.908 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX007497.D

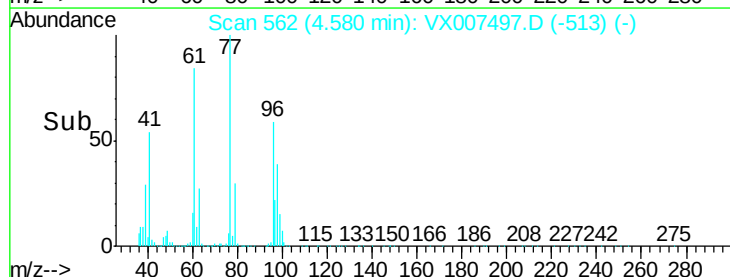
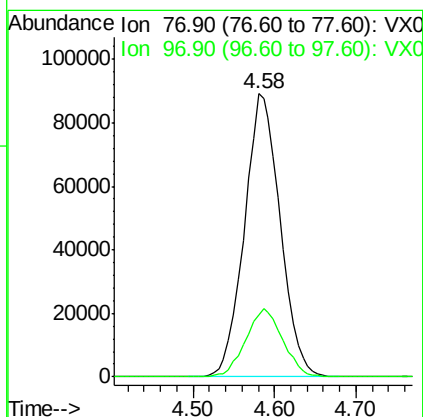
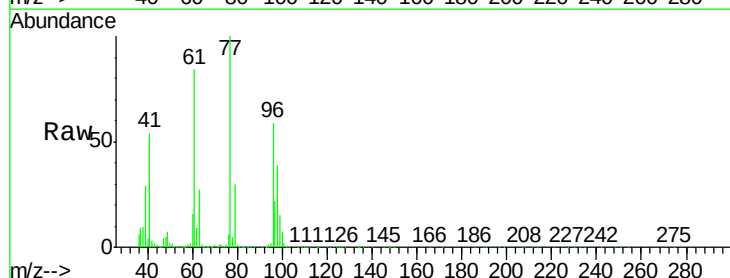
Acq: 12 Feb 2019 19:03

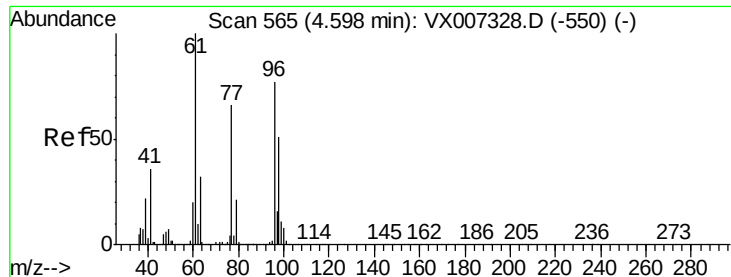
Tgt Ion: 77 Resp: 270793

Ion Ratio Lower Upper

77 100

97 25.2 12.1 36.3



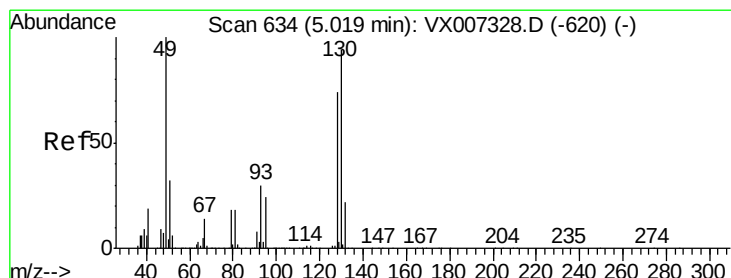
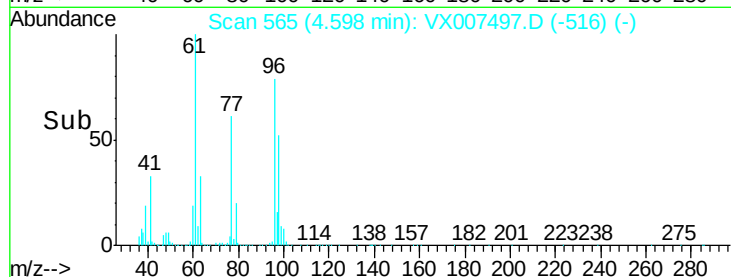
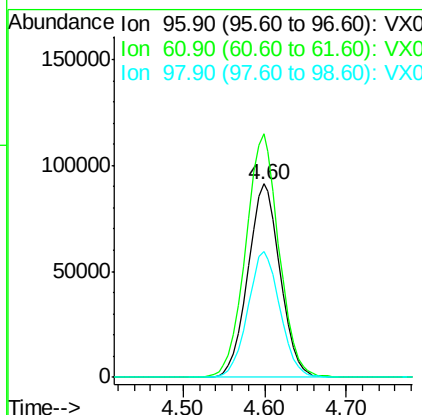
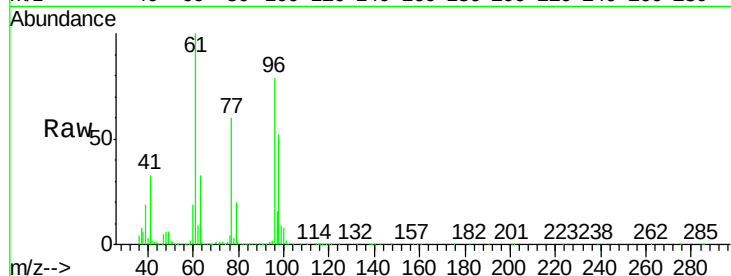


#27

cis-1,2-Dichloroethene
Concen: 48.195 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

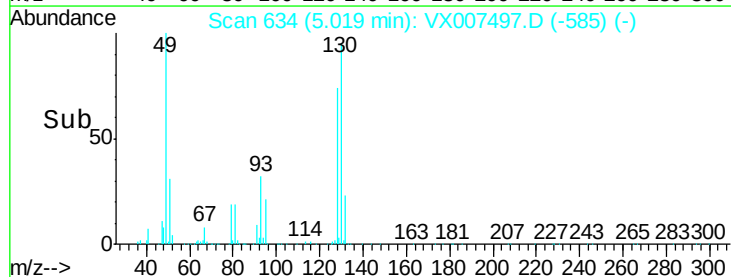
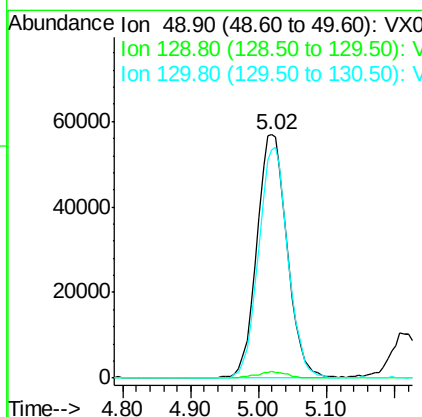
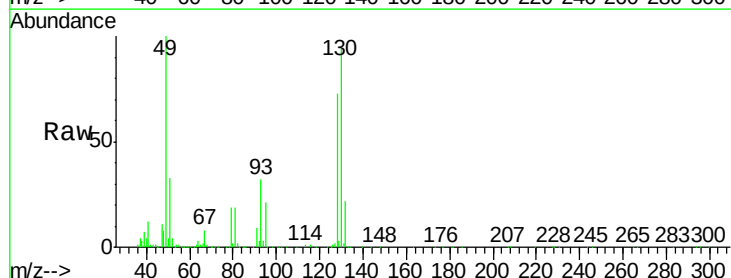
Tot Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	265.6
98	65.0	0.0	131.6

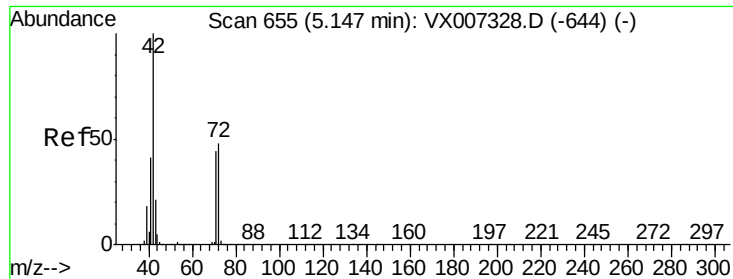


#28

Bromochloromethane
Concen: 49.668 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.6
130	92.0	75.6	113.4

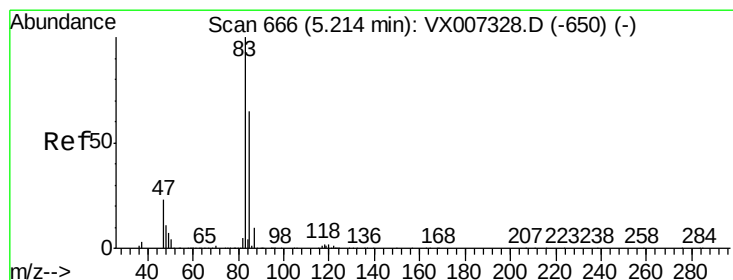
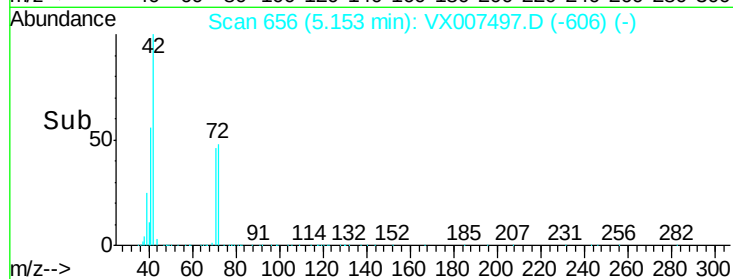
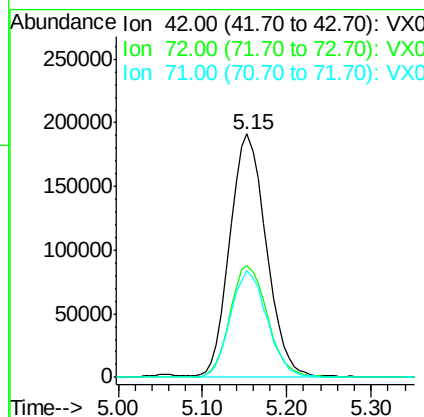
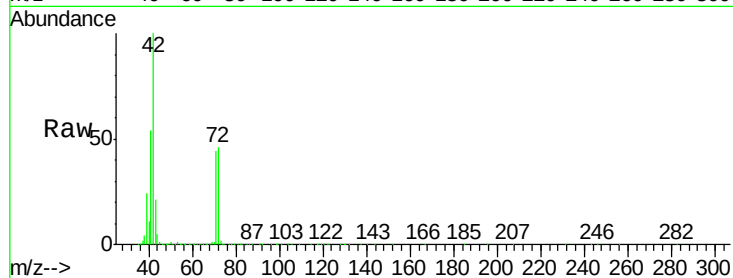




#29
Tetrahydrofuran
Concen: 272.950 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

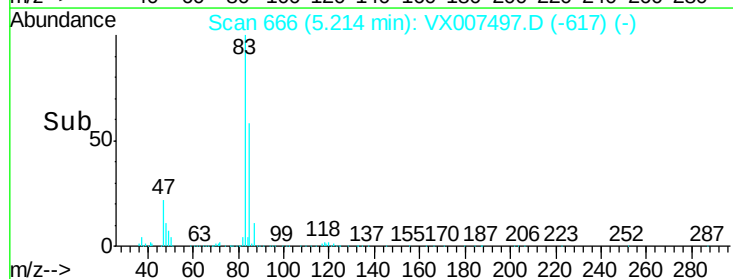
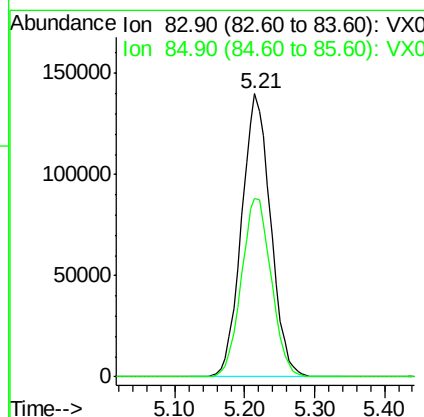
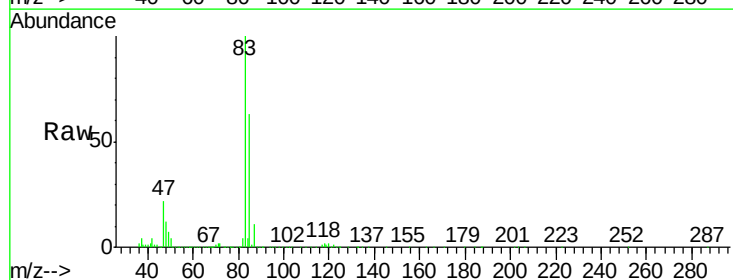
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

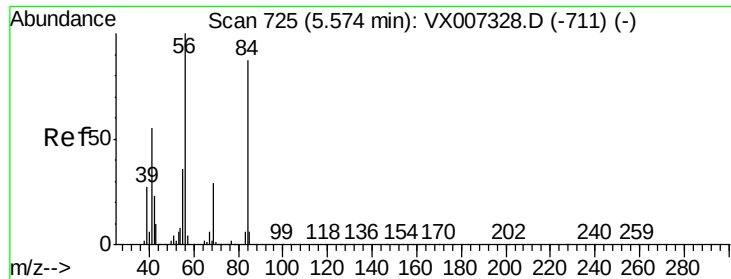
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.6	56.4
71	44.3	34.6	51.8



#30
Chloroform
Concen: 49.823 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.6	77.4





#31

Cyclohexane

Concen: 45.619 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

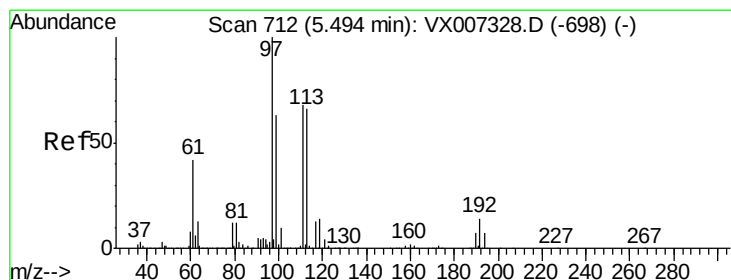
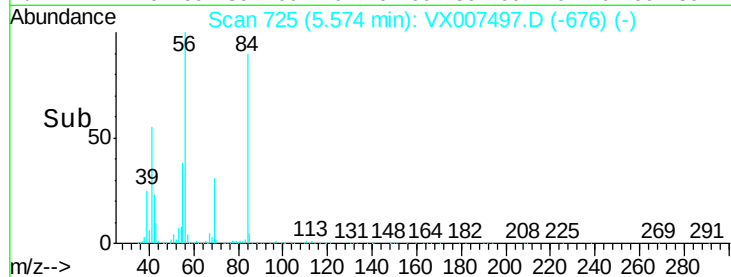
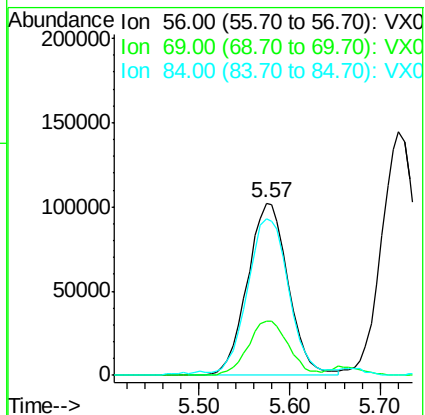
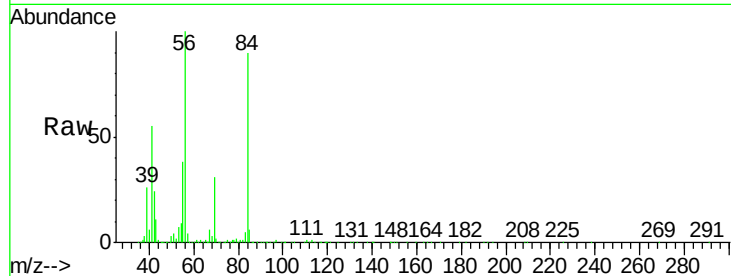
Tot Ion: 56 Resp: 317348

Ion Ratio Lower Upper

56 100

69 31.3 23.0 34.6

84 89.3 69.8 104.6



#32

1,1,1-Trichloroethane

Concen: 51.016 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

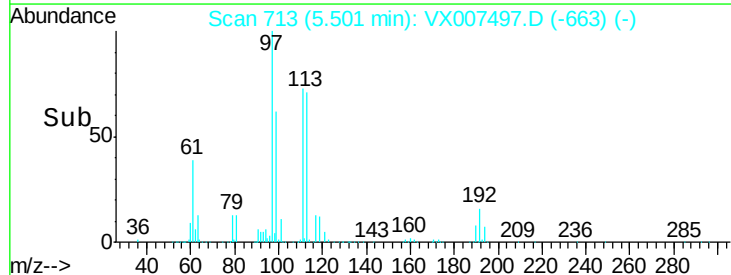
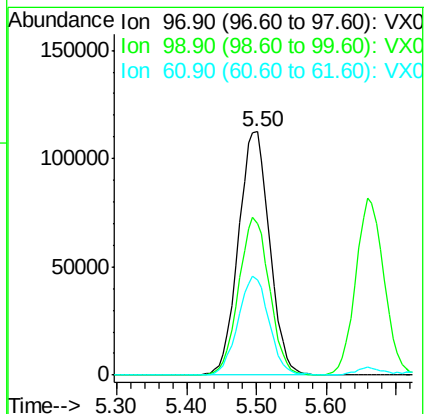
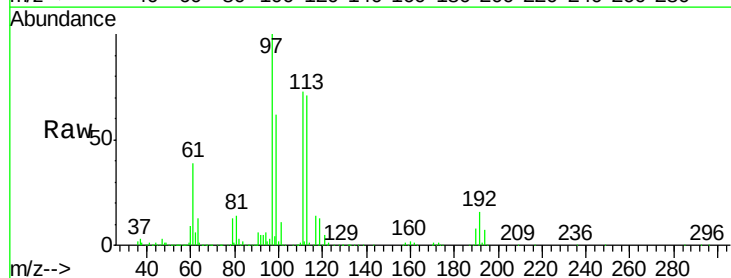
Tgt Ion: 97 Resp: 348044

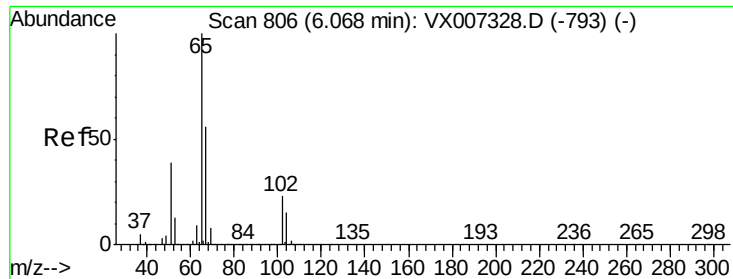
Ion Ratio Lower Upper

97 100

99 64.1 52.2 78.2

61 40.2 32.7 49.1

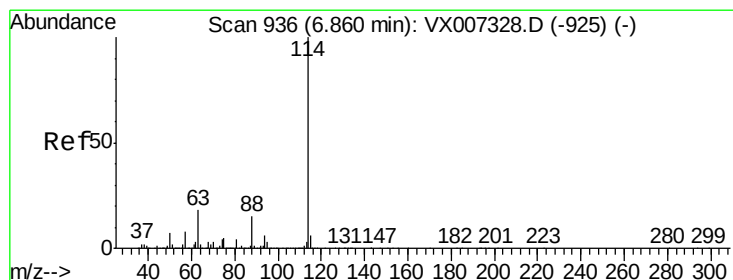
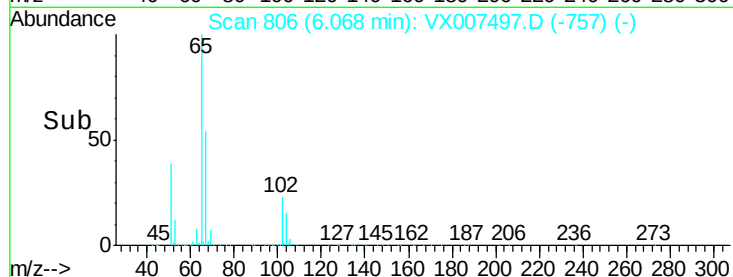
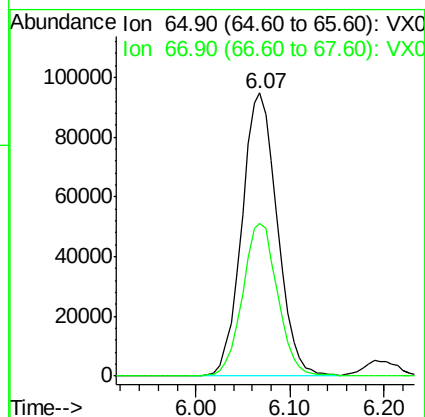
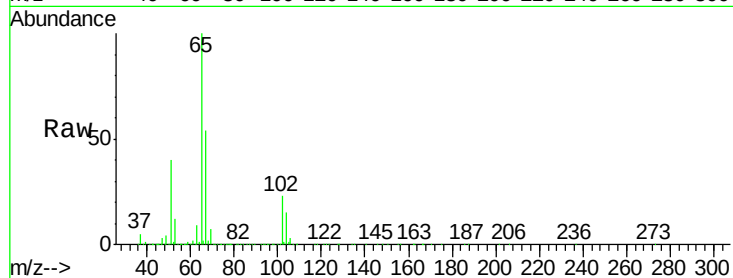




#33
 1,2-Dichloroethane-d4
 Concen: 49.684 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

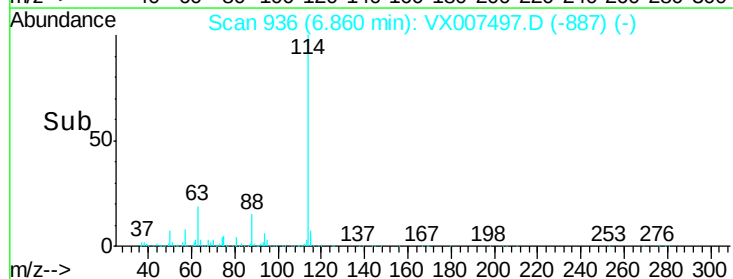
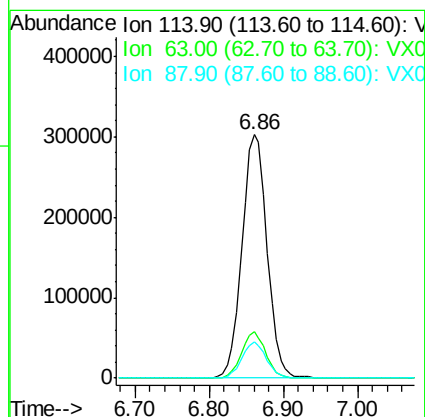
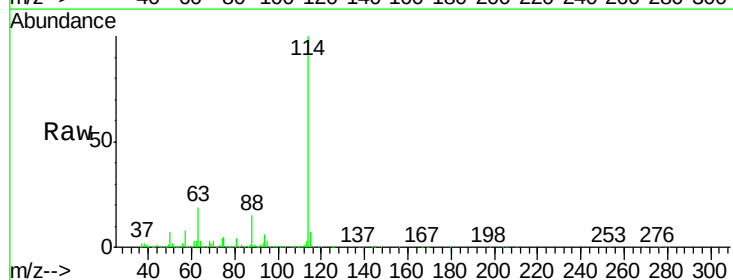
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

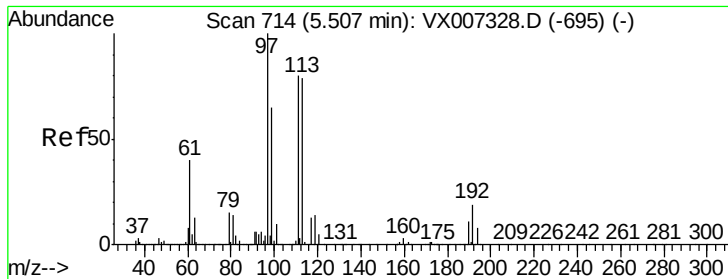
Tot Ion: 65 Resp: 248550
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Tgt Ion: 114 Resp: 717046
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 35.6
 88 15.0 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.215 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

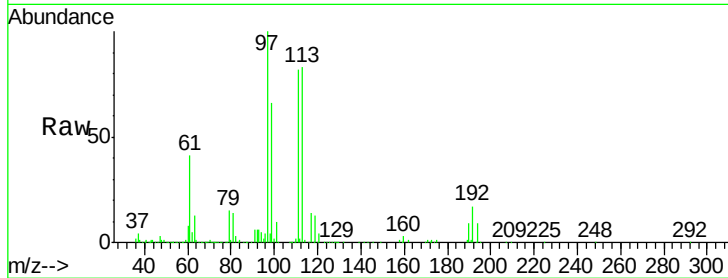
Tot Ion:113 Resp: 229614

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

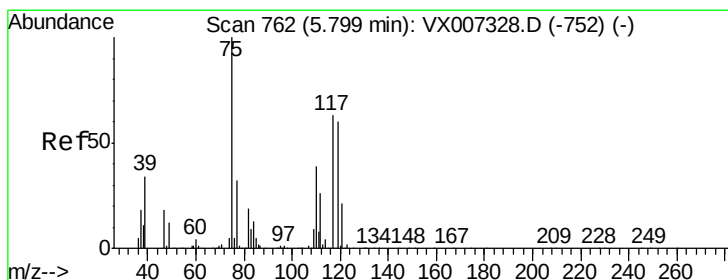
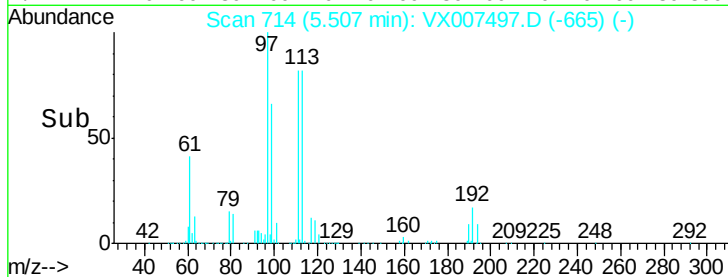
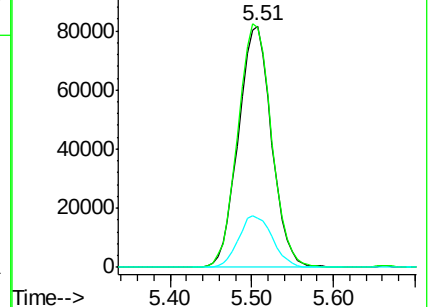
192 22.2 18.5 27.7



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: 43.886 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

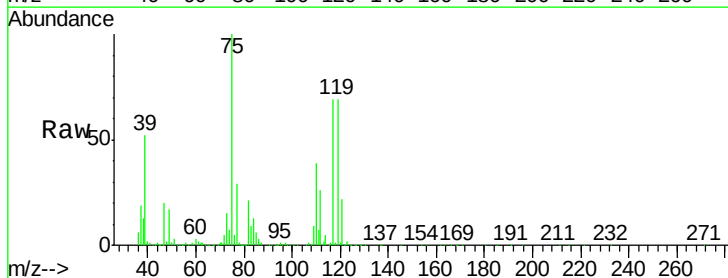
Tgt Ion: 75 Resp: 282346

Ion Ratio Lower Upper

75 100

110 39.9 20.0 59.9

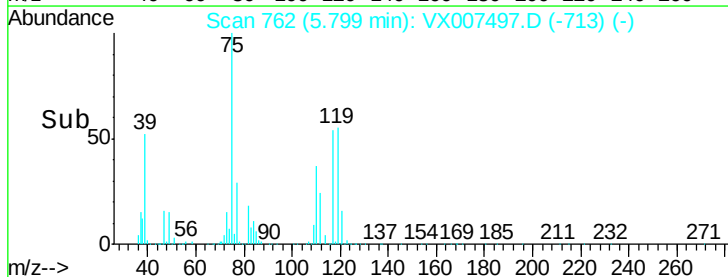
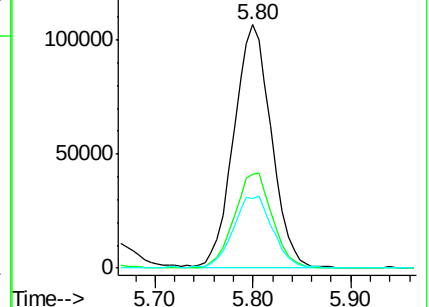
77 30.9 24.7 37.1

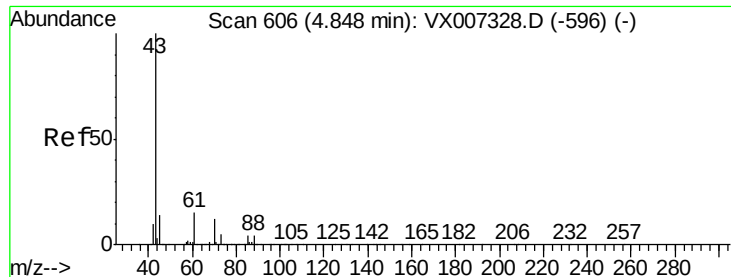


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

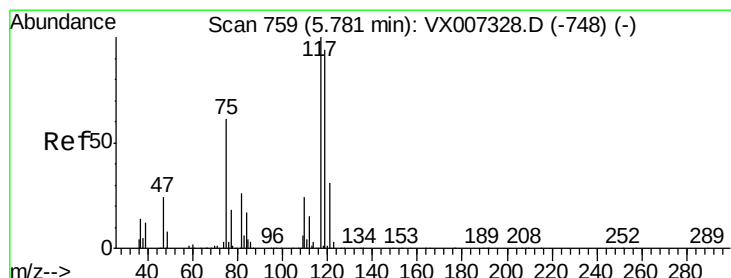
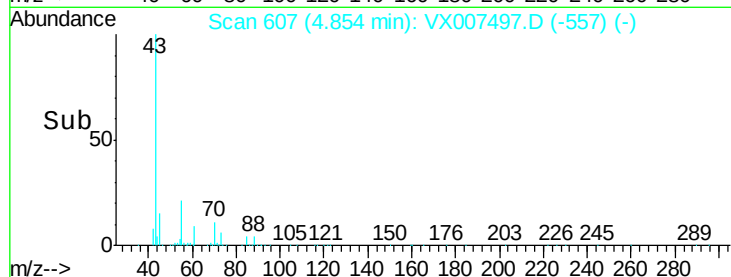
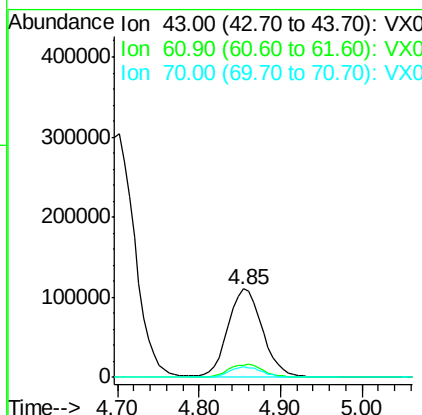
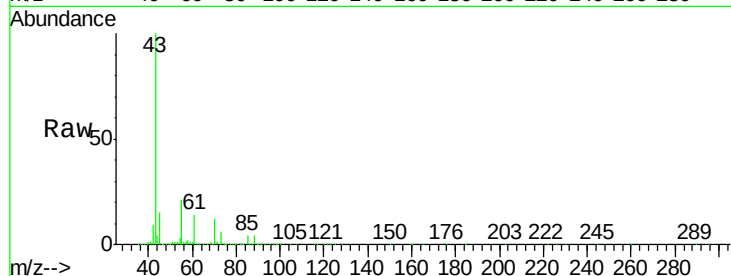




#37
Ethyl Acetate
Concen: 49.526 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

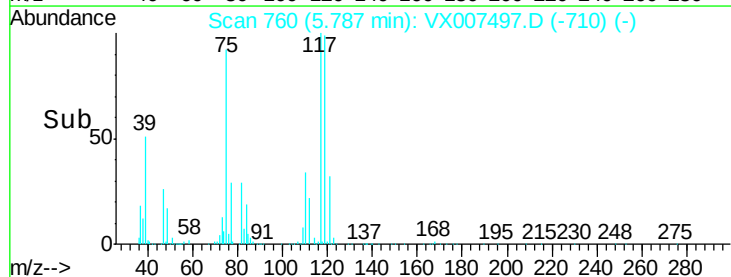
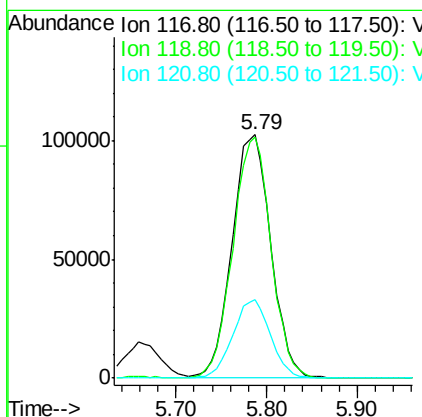
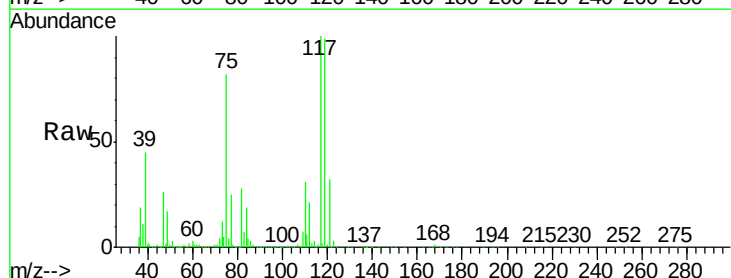
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

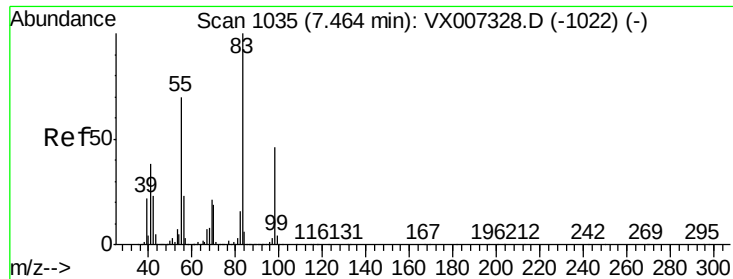
Tot Ion	43	Resp	322099
Ion Ratio	Lower	Upper	
43	100		
61	14.8	11.3	16.9
70	10.9	8.6	13.0



#38
Carbon Tetrachloride
Concen: 48.701 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	117	Resp	303972
Ion Ratio	Lower	Upper	
117	100		
119	98.5	75.3	112.9
121	32.3	25.0	37.4

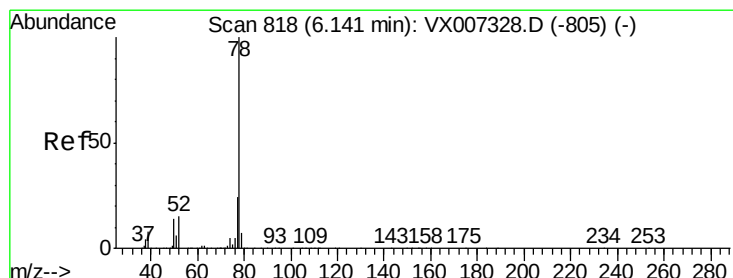
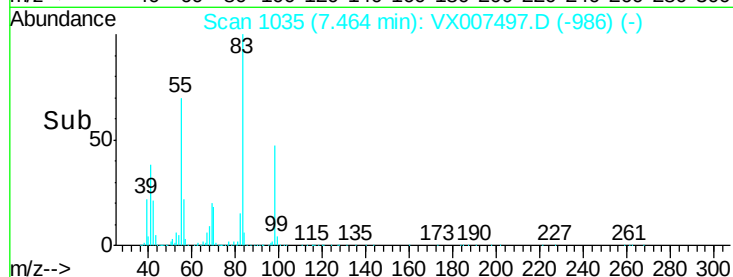
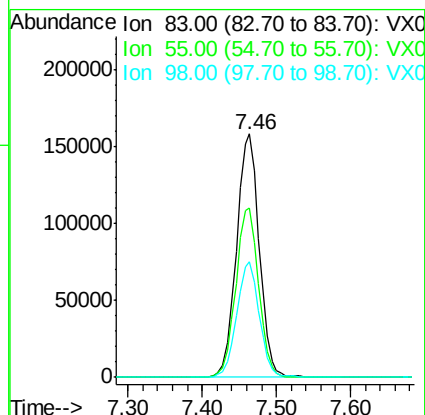
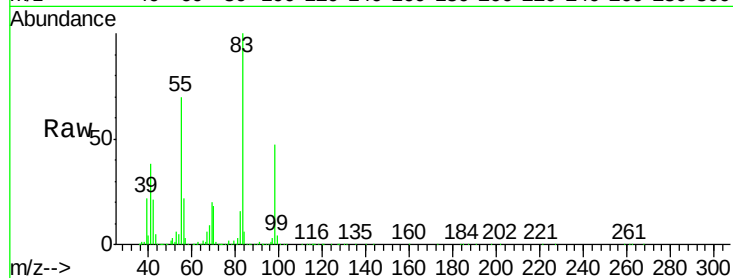




#39
Methylvlcyclohexane
Concen: 43.447 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

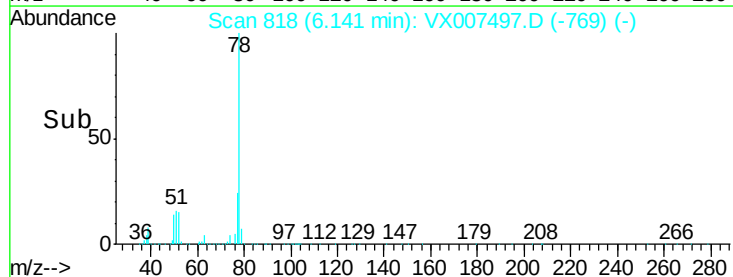
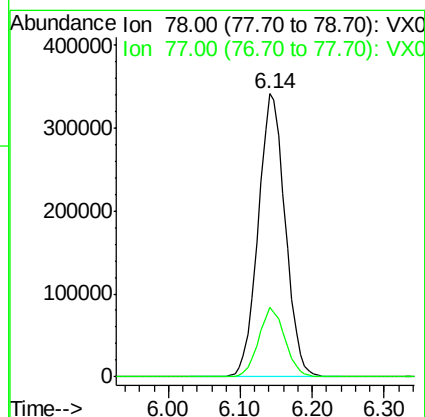
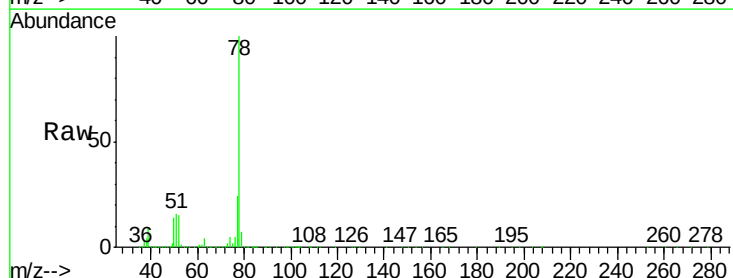
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

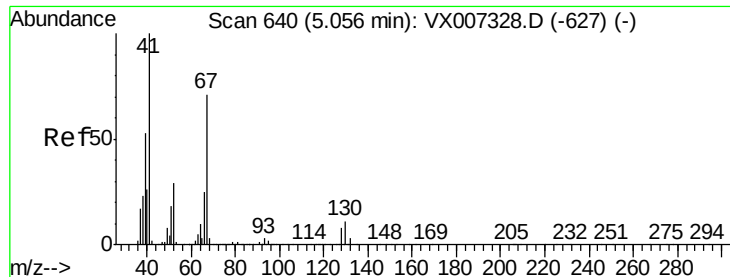
Tot Ion: 83 Resp: 338193
Ion Ratio Lower Upper
83 100
55 69.4 56.2 84.2
98 47.3 36.8 55.2



#40
Benzene
Concen: 46.866 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion: 78 Resp: 888182
Ion Ratio Lower Upper
78 100
77 24.4 19.3 28.9

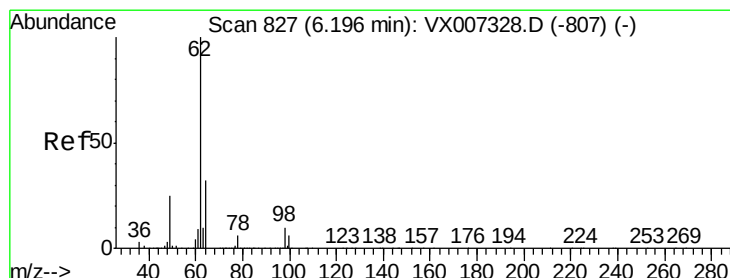
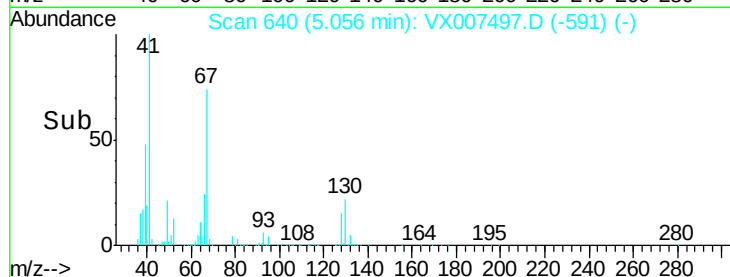
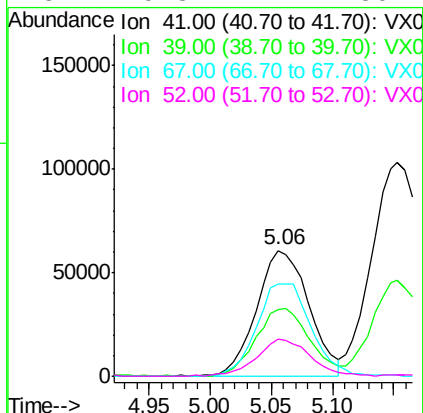
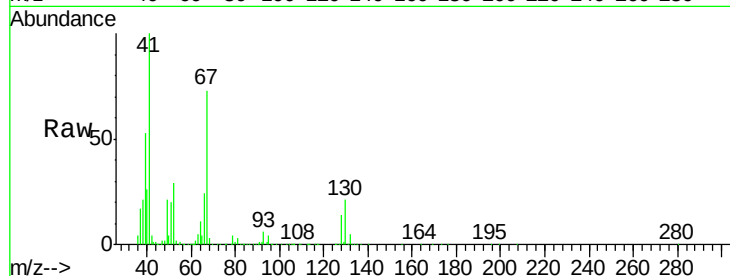




#41
Methacrylonitrile
Concen: 51.651 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

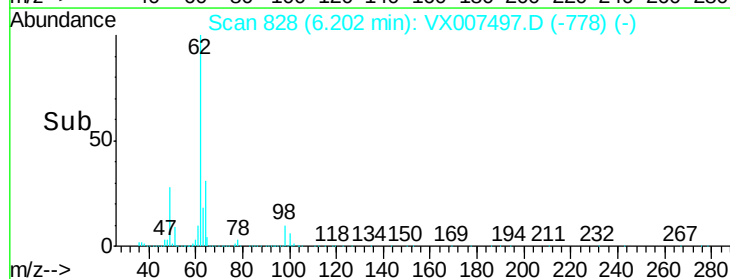
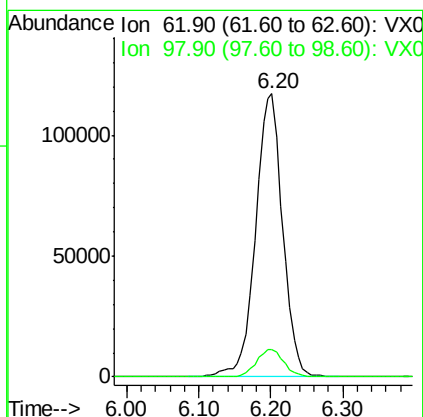
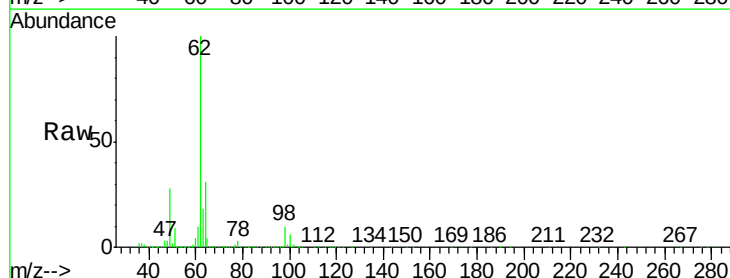
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

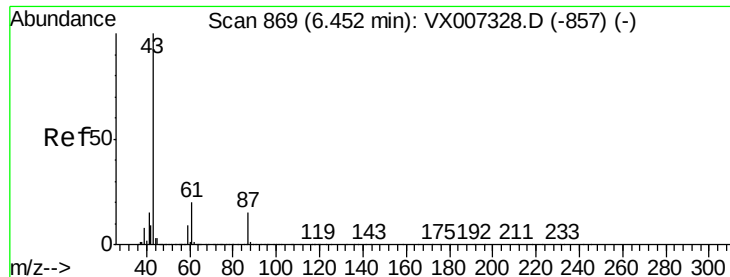
Tot Ion:	41	Resp:	180035
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.5	66.7
67	76.8	60.4	90.6
52	29.3	24.1	36.1



#42
1,2-Dichloroethane
Concen: 46.335 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion:	62	Resp:	303827
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.0





#43

Isopropyl Acetate

Concen: 51.512 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

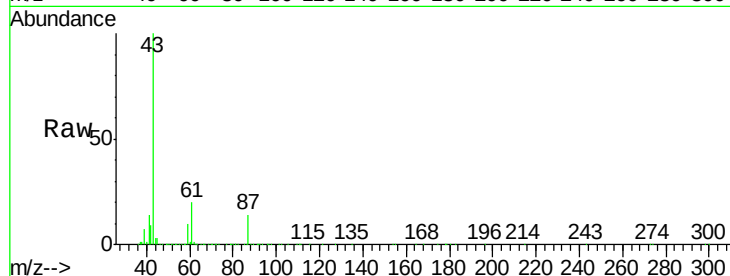
Tot Ion: 43 Resp: 517097

Ion Ratio Lower Upper

43 100

61 20.5 16.1 24.1

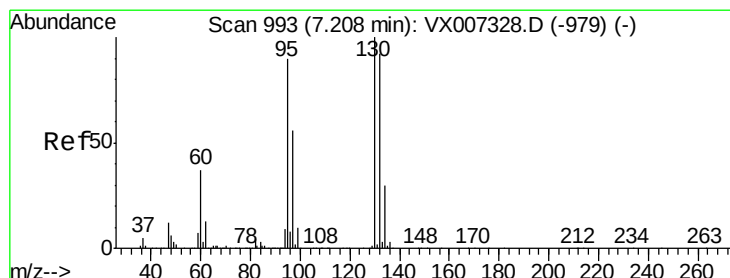
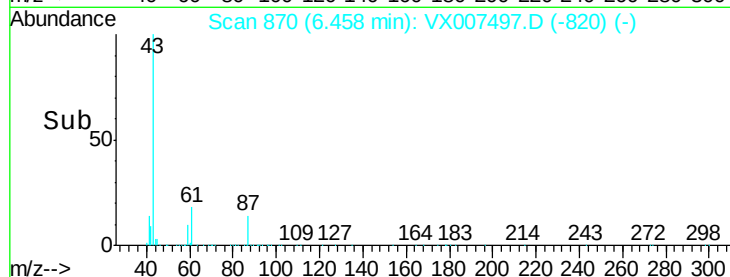
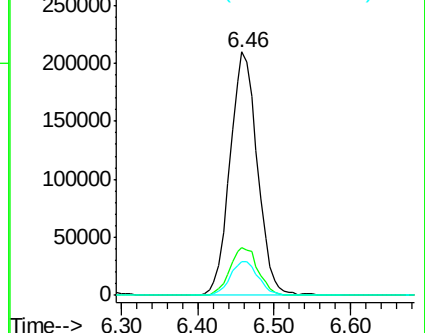
87 14.4 11.5 17.3



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: 45.578 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX007497.D

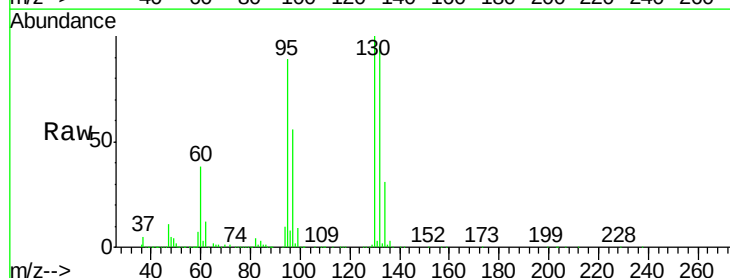
Acq: 12 Feb 2019 19:03

Tgt Ion: 130 Resp: 260147

Ion Ratio Lower Upper

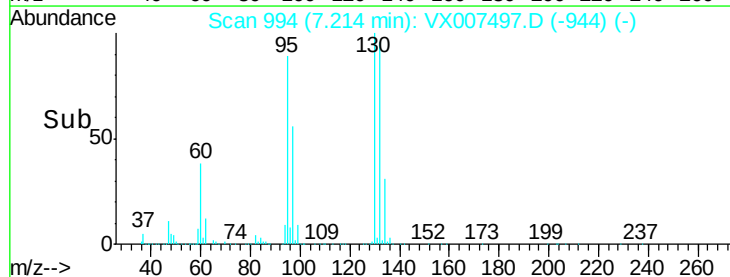
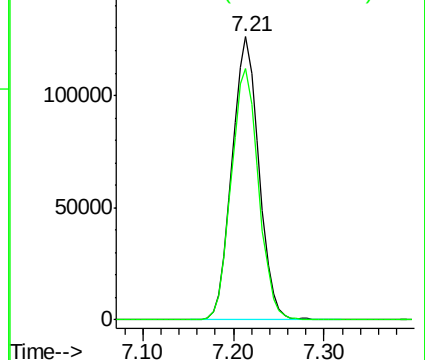
130 100

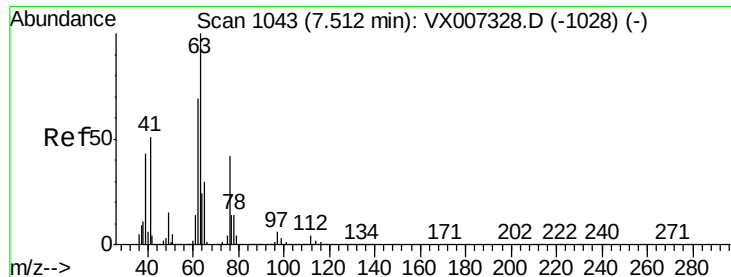
95 88.9 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 47.548 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

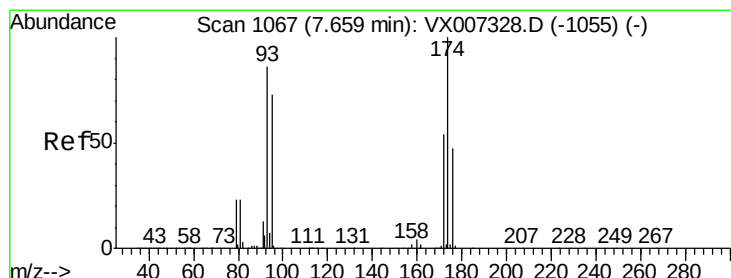
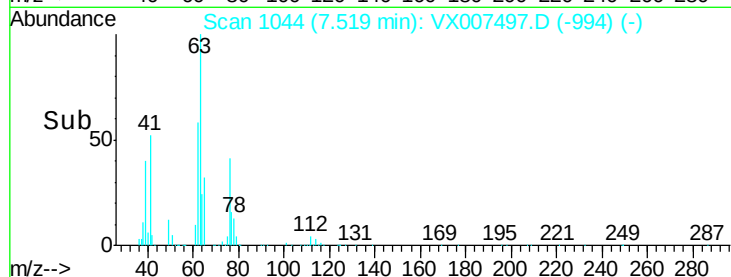
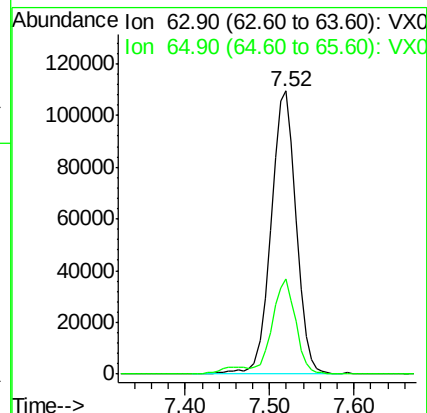
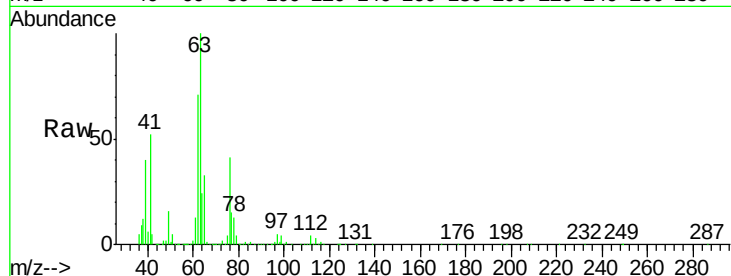
VSTDCCC050EC

Tot Ion: 63 Resp: 225774

Ion Ratio Lower Upper

63 100

65 33.4 24.2 36.2



#46

Dibromomethane

Concen: 46.282 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

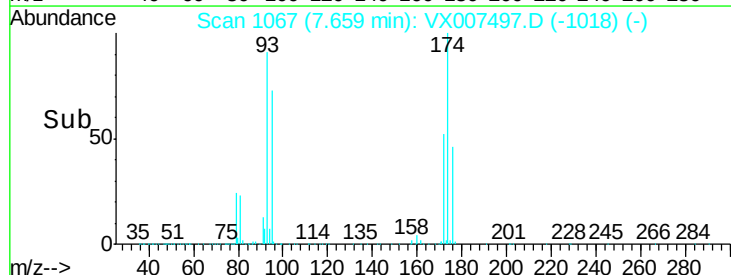
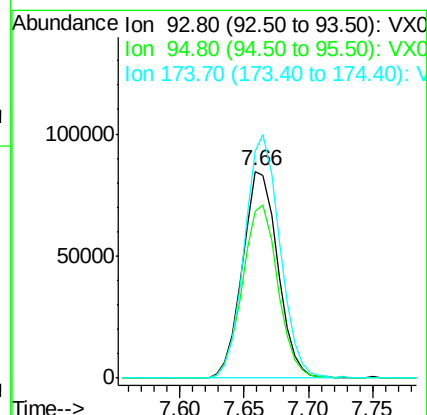
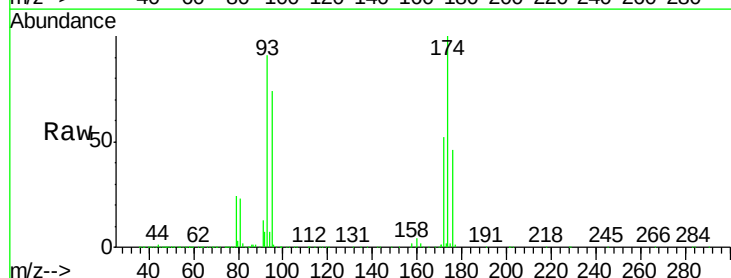
Tgt Ion: 93 Resp: 159724

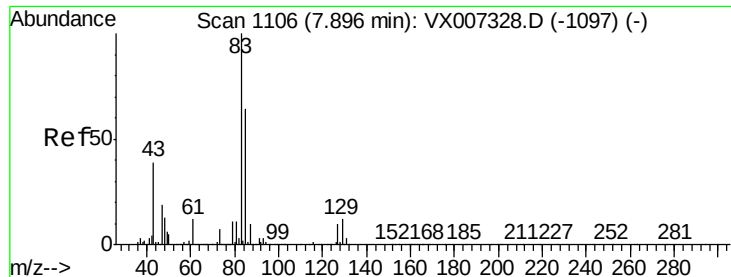
Ion Ratio Lower Upper

93 100

95 84.0 67.6 101.4

174 118.1 94.2 141.4





#47

Bromodichloromethane

Concen: 50.073 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

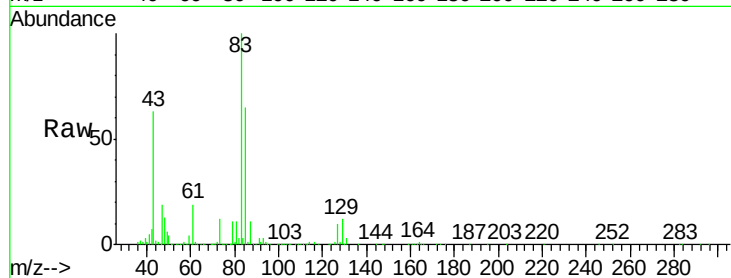
Tot Ion: 83 Resp: 292872

Ion Ratio Lower Upper

83 100

85 65.1 51.4 77.0

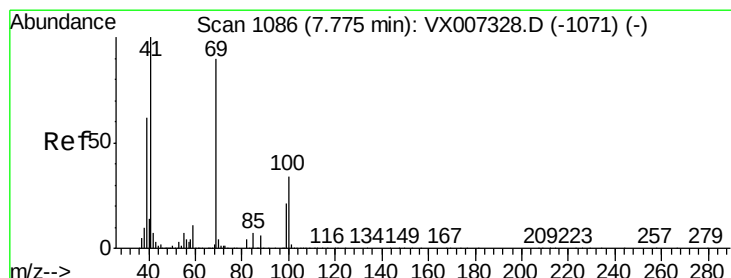
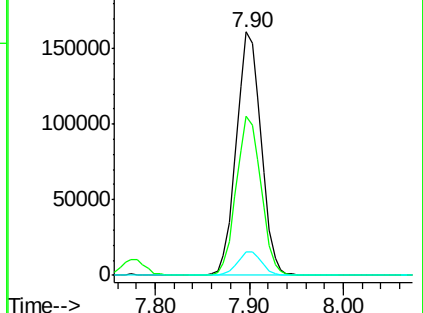
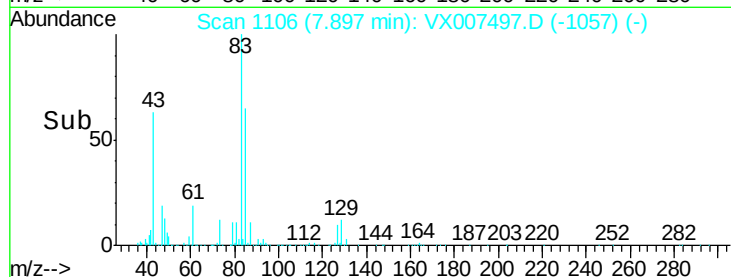
127 9.7 8.1 12.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.063 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

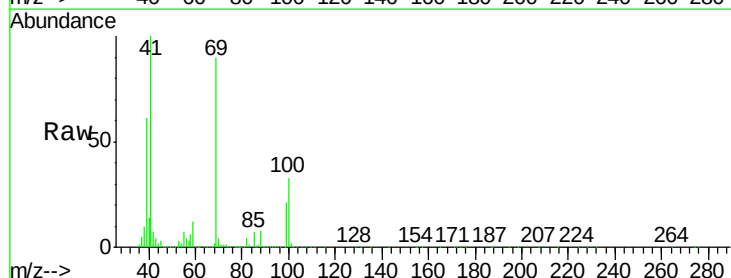
Tgt Ion: 41 Resp: 261415

Ion Ratio Lower Upper

41 100

69 88.7 70.2 105.4

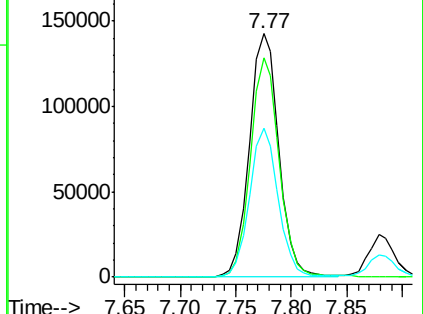
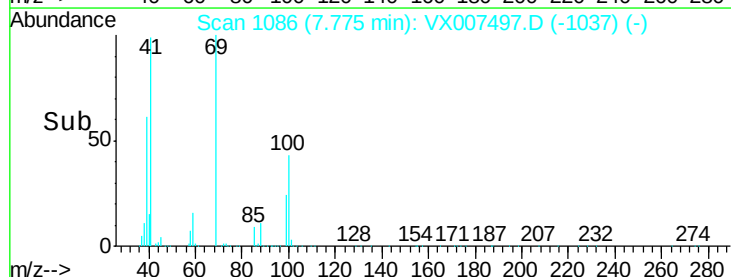
39 59.6 47.4 71.0

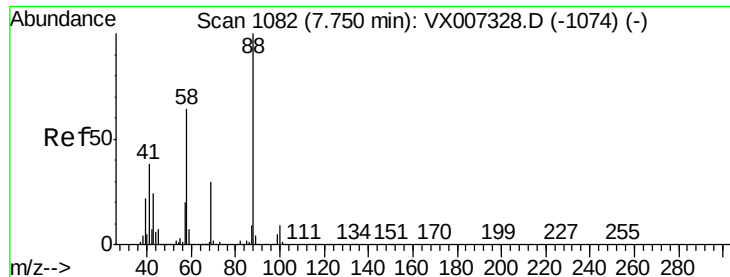


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 918.365 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

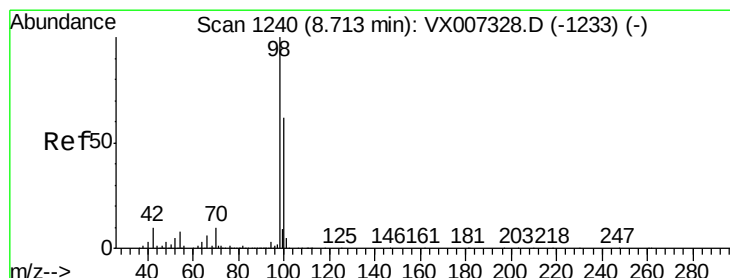
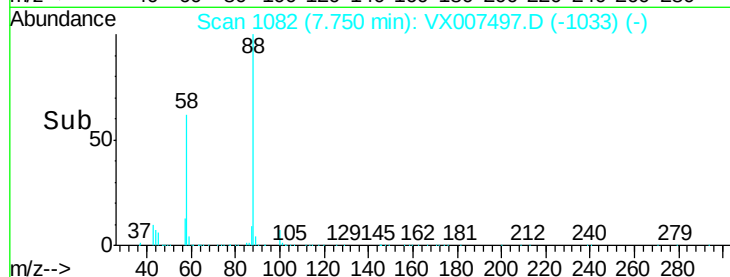
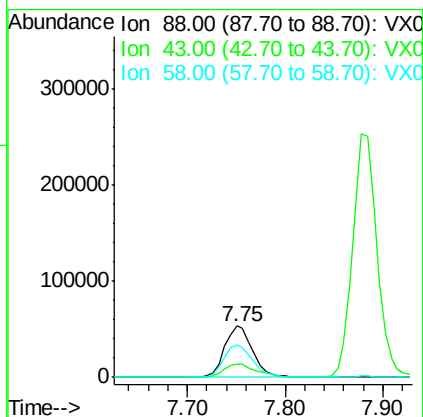
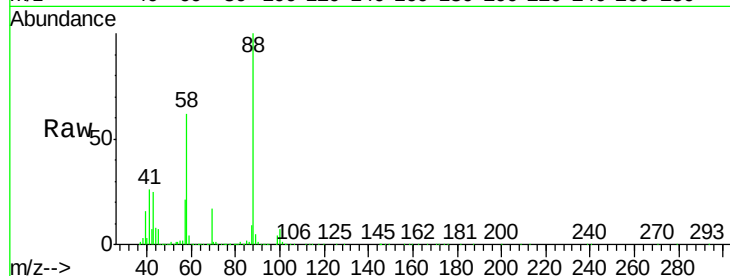
Tot Ion: 88 Resp: 104804

Ion Ratio Lower Upper

88 100

43 29.9 24.2 36.4

58 65.0 53.0 79.4



#50

Toluene-d8

Concen: 48.375 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007497.D

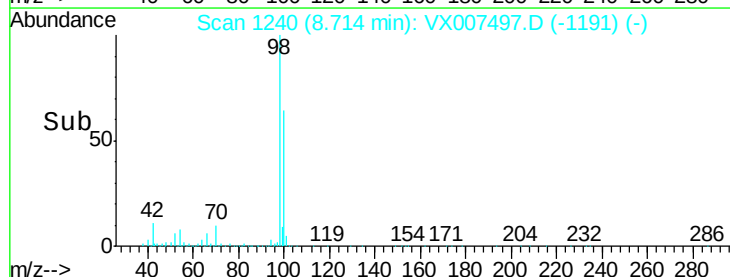
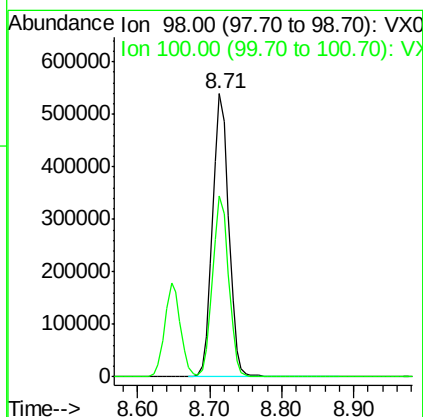
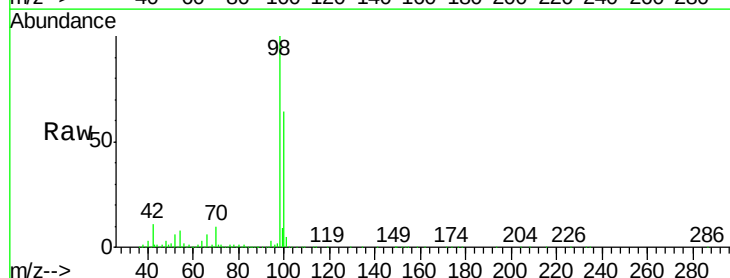
Acq: 12 Feb 2019 19:03

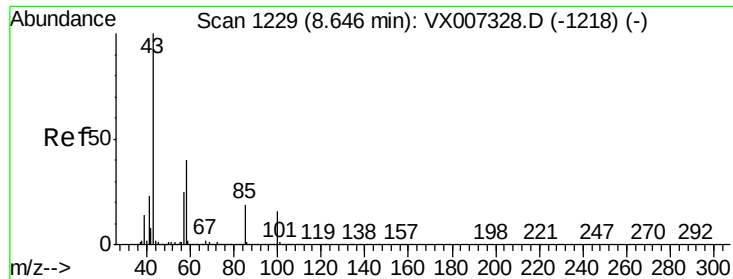
Tgt Ion: 98 Resp: 837376

Ion Ratio Lower Upper

98 100

100 63.4 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 256.651 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

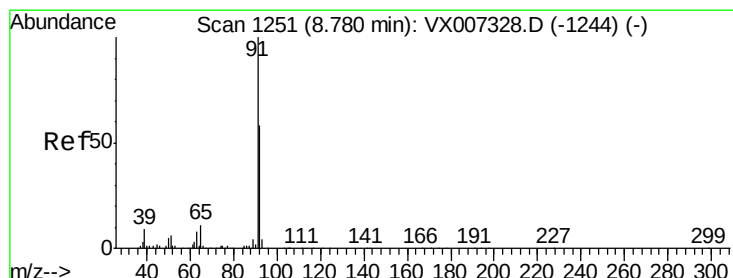
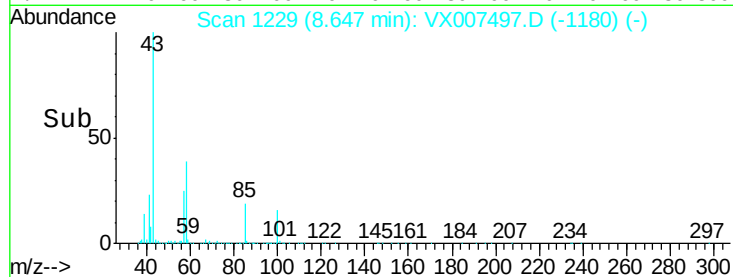
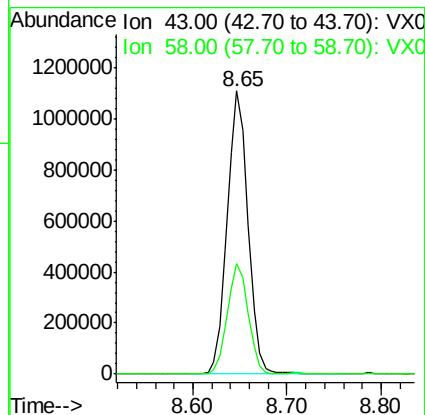
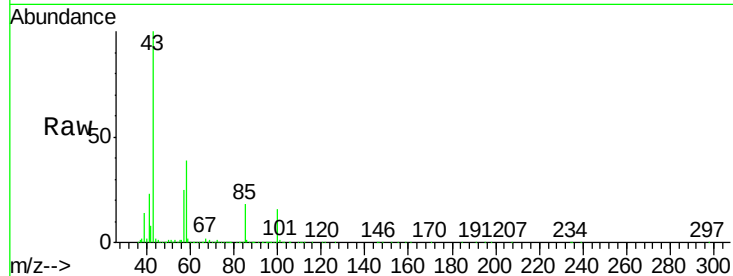
VSTDCCC050EC

Tot Ion: 43 Resp: 1696033

Ion Ratio Lower Upper

43 100

58 39.1 31.2 46.8



#52

Toluene

Concen: 46.246 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007497.D

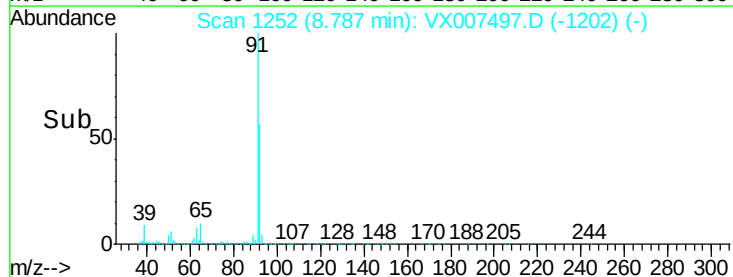
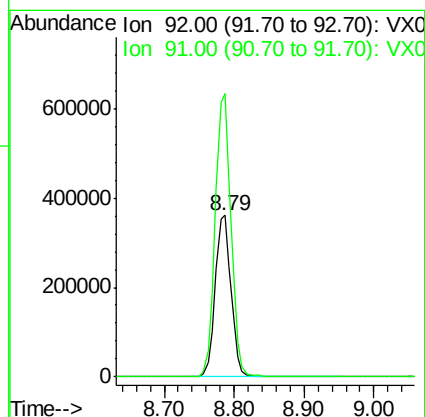
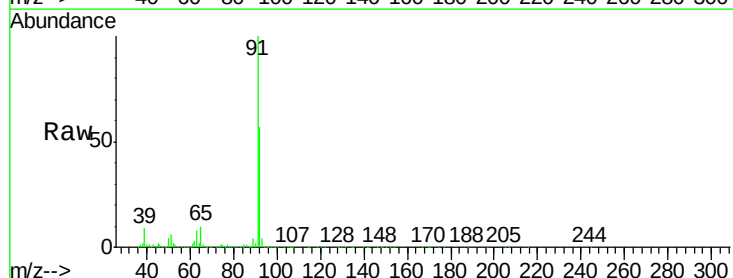
Acq: 12 Feb 2019 19:03

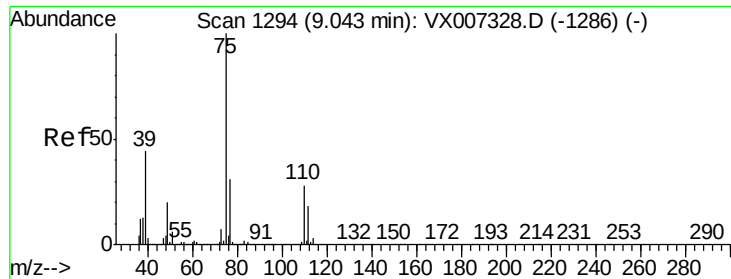
Tgt Ion: 92 Resp: 565463

Ion Ratio Lower Upper

92 100

91 176.0 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 51.108 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

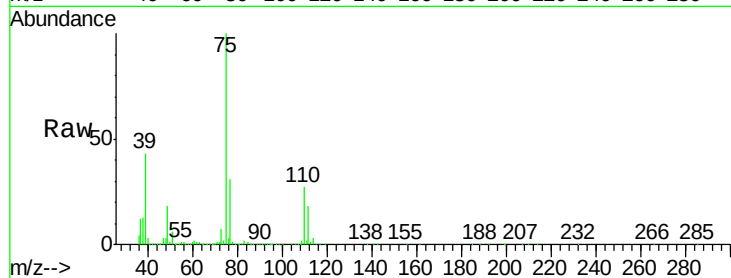
VSTDCCC050EC

Tot Ion: 75 Resp: 321092

Ion Ratio Lower Upper

75 100

77 30.6 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

250000

200000

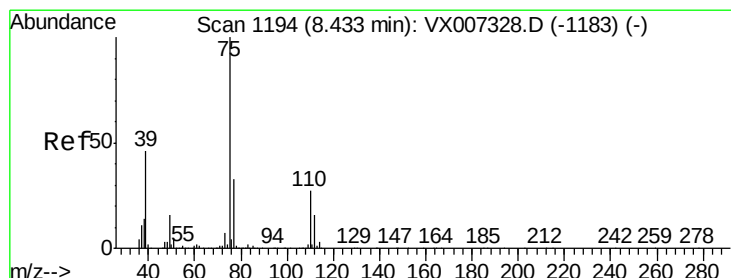
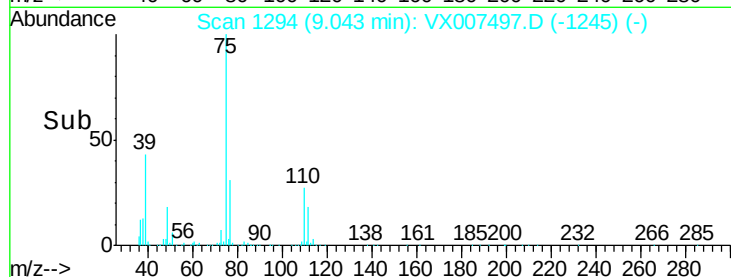
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 50.929 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

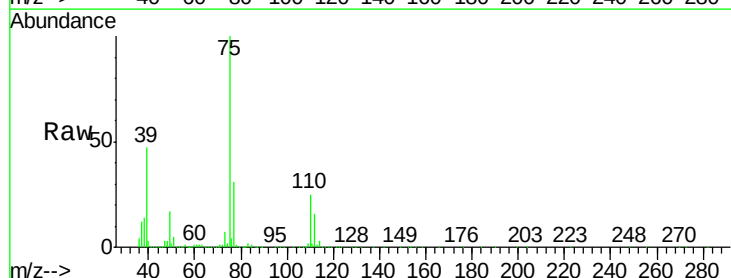
Tgt Ion: 75 Resp: 351864

Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.4

39 47.0 37.1 55.7



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

8.43

300000

250000

200000

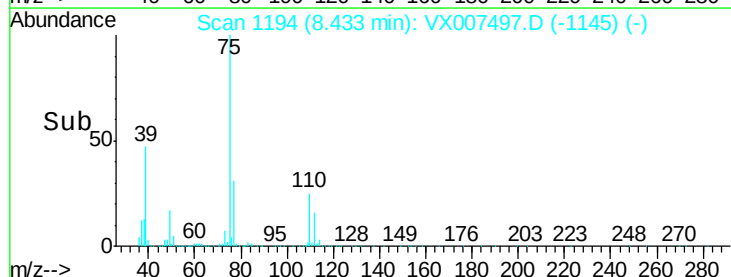
150000

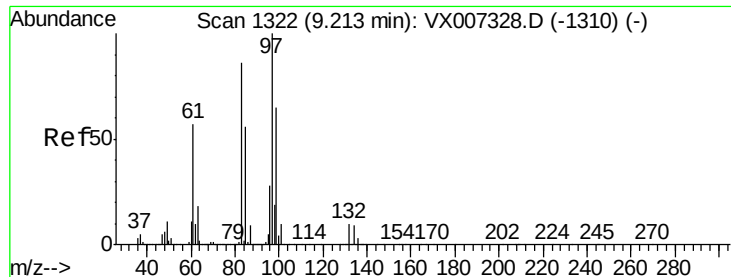
100000

50000

0

Time--> 8.30 8.40 8.50





#55

1,1,2-Trichloroethane

Concen: 48.097 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 245145

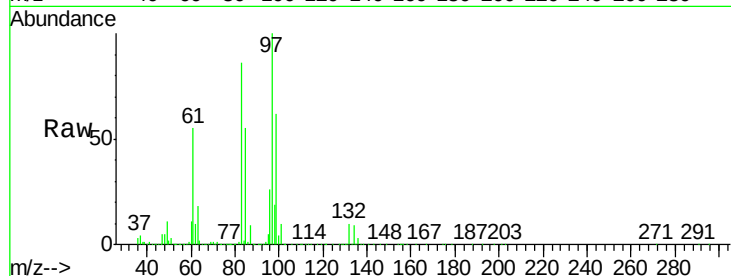
Ion Ratio Lower Upper

97 100

83 86.4 68.6 102.8

85 55.3 44.5 66.7

99 62.2 52.2 78.4

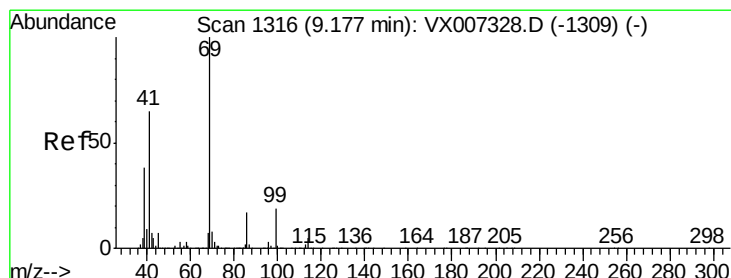
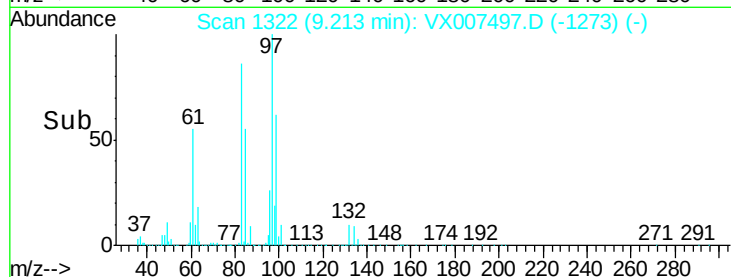
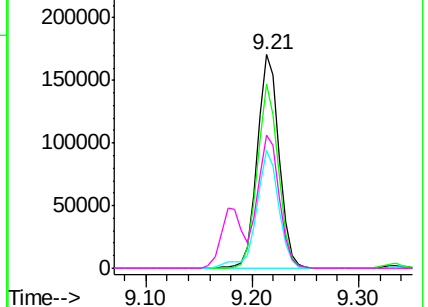


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 50.594 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

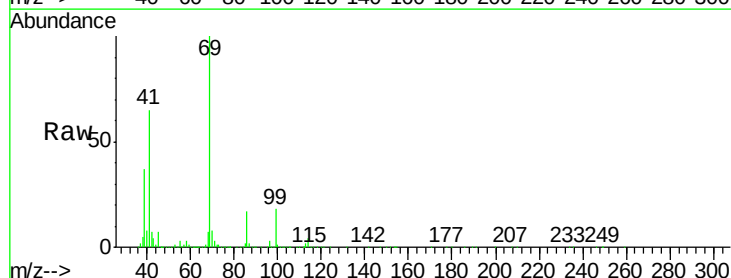
Tgt Ion: 69 Resp: 357156

Ion Ratio Lower Upper

69 100

41 64.9 52.1 78.1

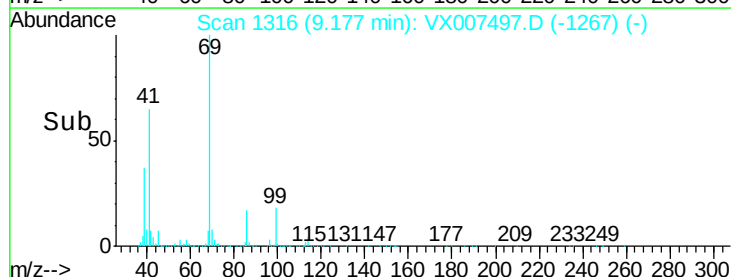
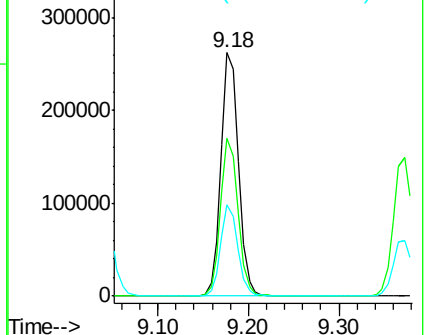
39 36.8 30.1 45.1

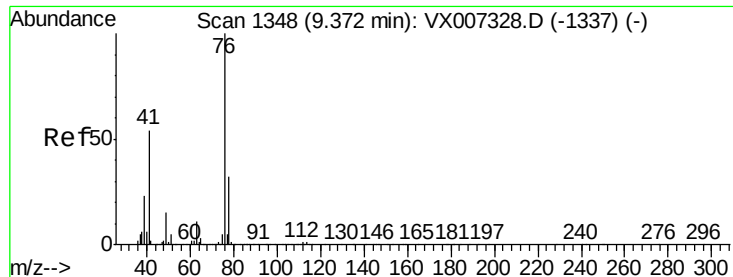


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 47.358 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

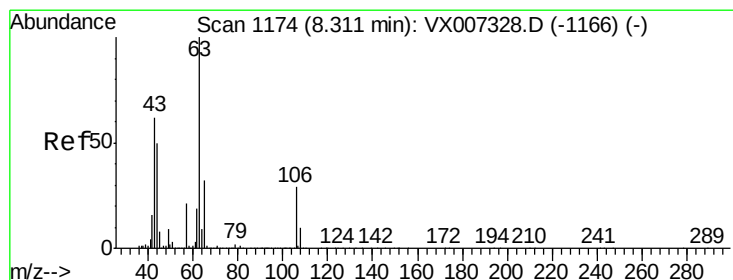
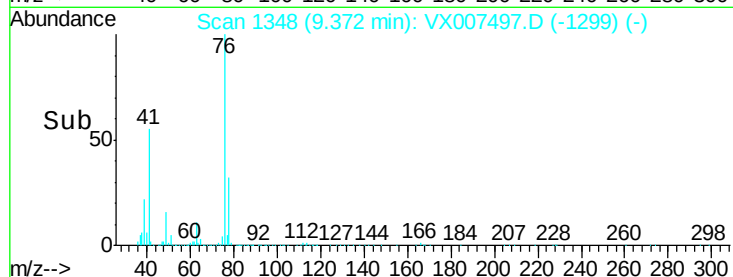
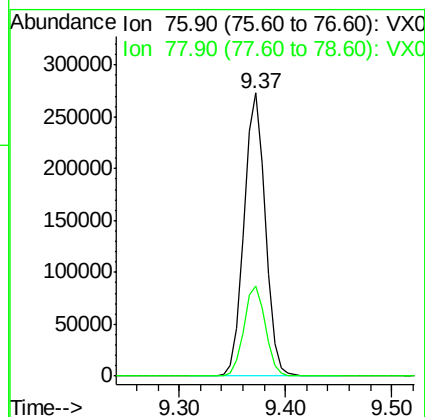
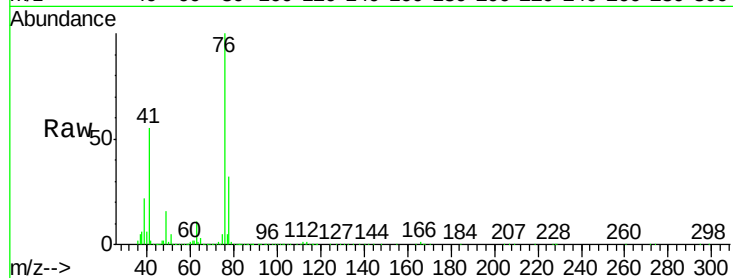
VSTDCCC050EC

Tot Ion: 76 Resp: 383860

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 242.041 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007497.D

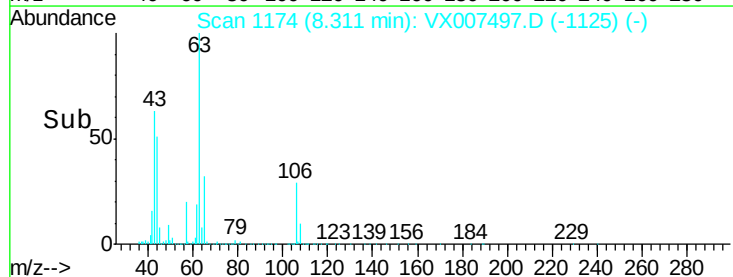
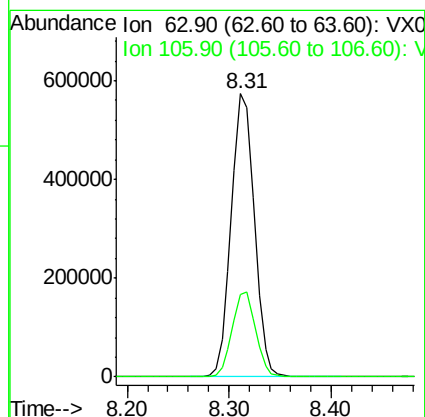
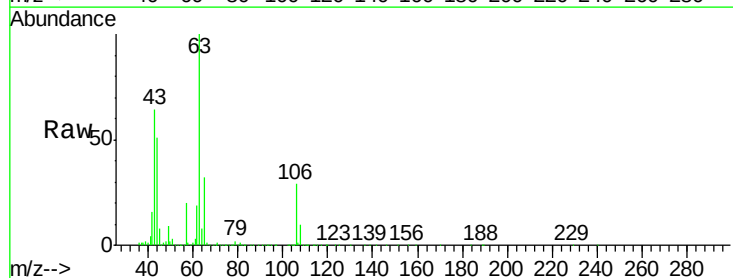
Acq: 12 Feb 2019 19:03

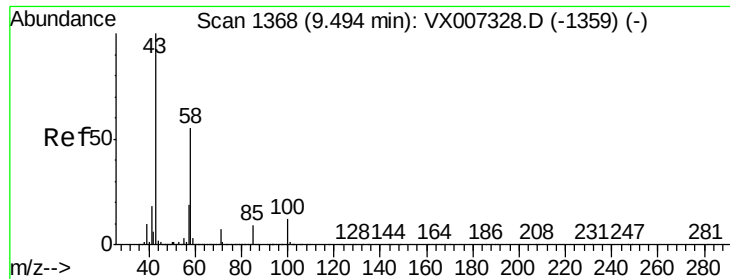
Tgt Ion: 63 Resp: 900583

Ion Ratio Lower Upper

63 100

106 30.2 23.6 35.4

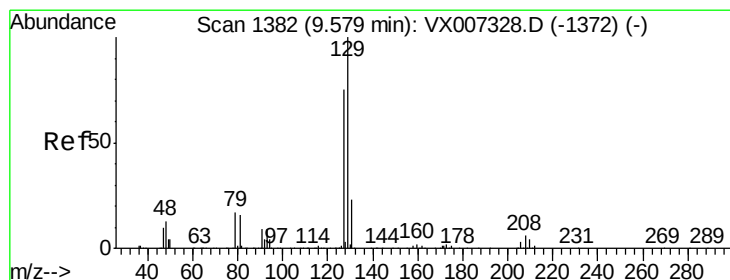
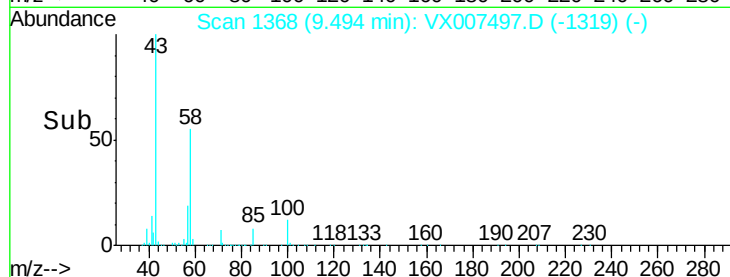
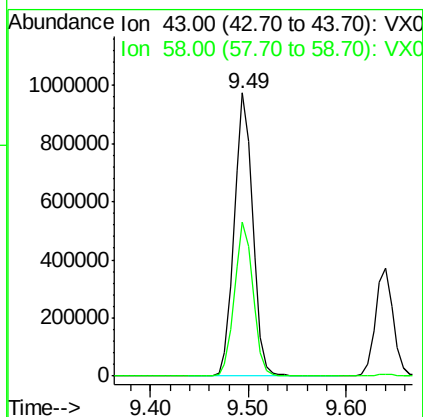
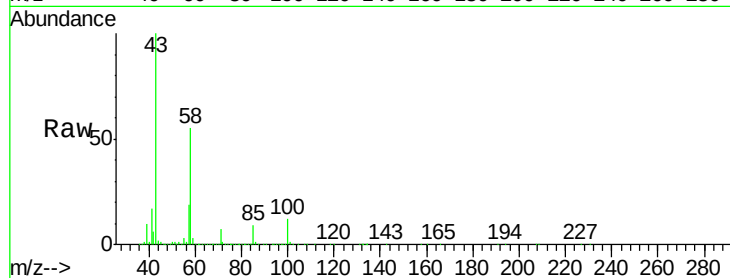




#59
2-Hexanone
Concen: 249.092 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

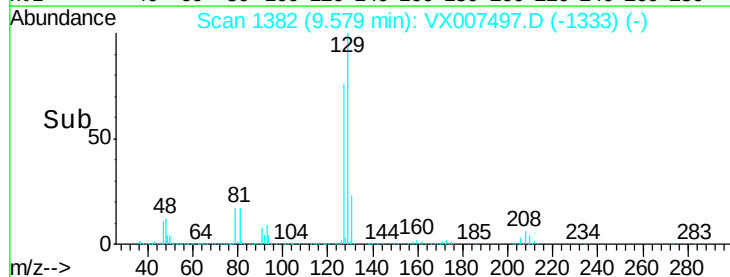
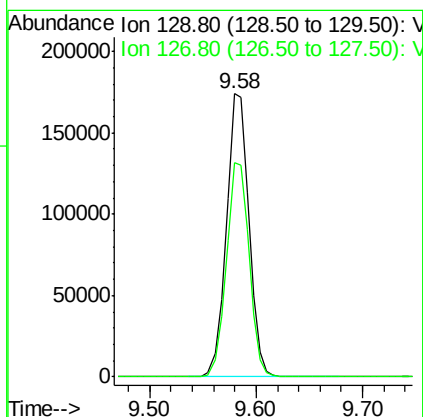
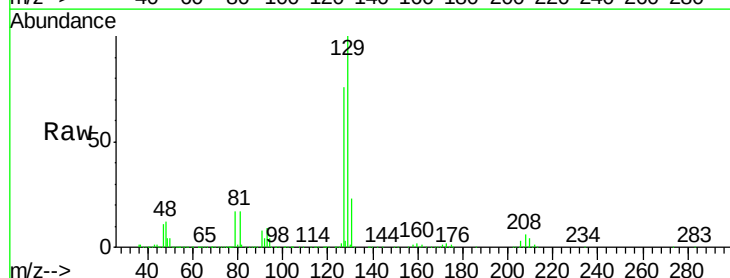
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

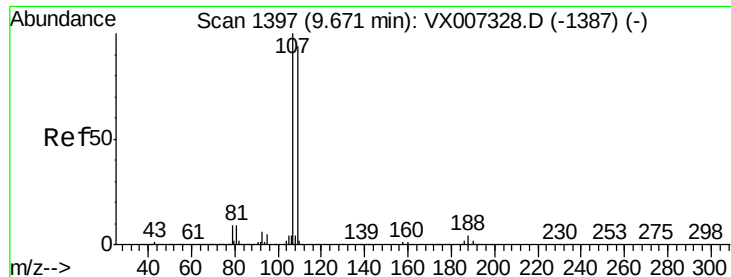
Tot Ion: 43 Resp: 1280926
Ion Ratio Lower Upper
43 100
58 54.8 27.1 81.3



#60
Dibromochloromethane
Concen: 53.475 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion: 129 Resp: 257771
Ion Ratio Lower Upper
129 100
127 76.6 37.8 113.4





#61

1,2-Dibromoethane

Concen: 48.571 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

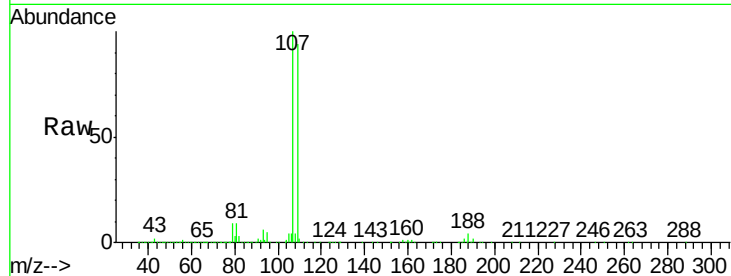
VSTDCCC050EC

Tot Ion:107 Resp: 262169

Ion Ratio Lower Upper

107 100

109 94.5 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

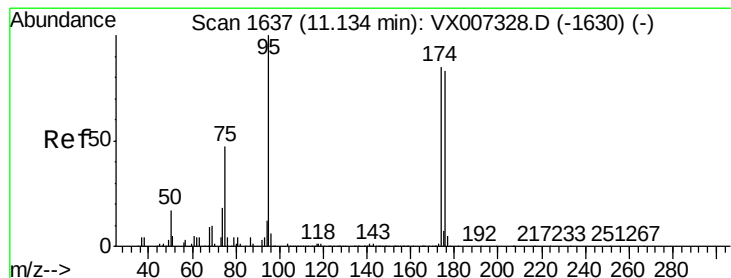
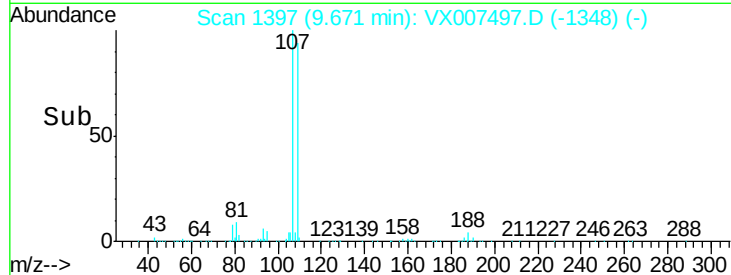
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.570 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

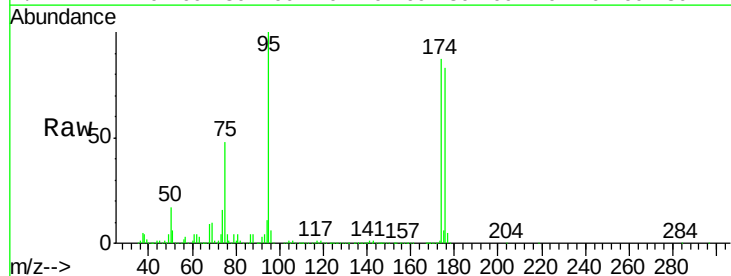
Tgt Ion: 95 Resp: 294318

Ion Ratio Lower Upper

95 100

174 94.6 0.0 189.2

176 92.6 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

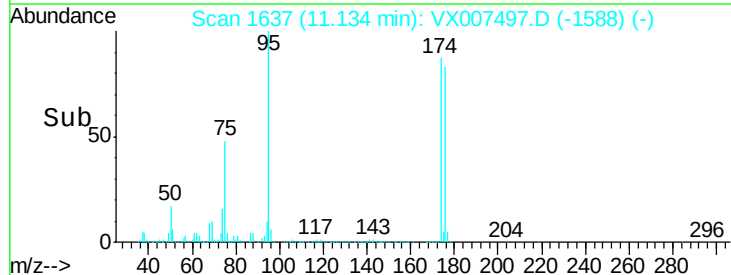
150000

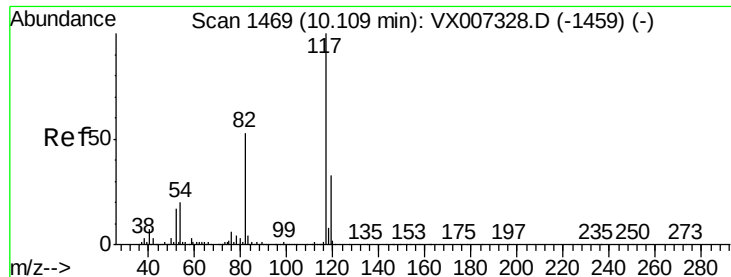
100000

50000

0

Time-->

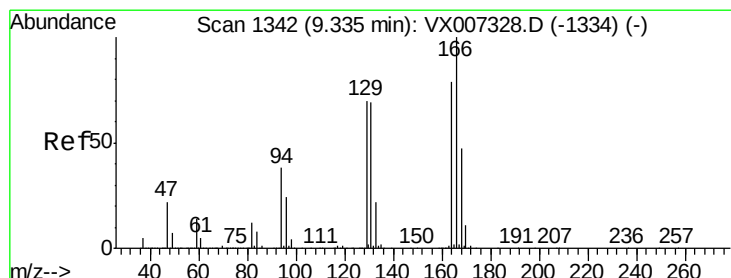
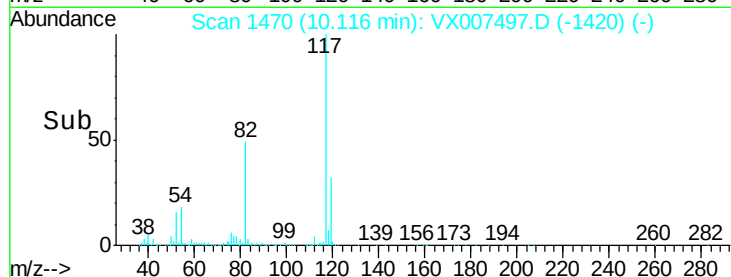
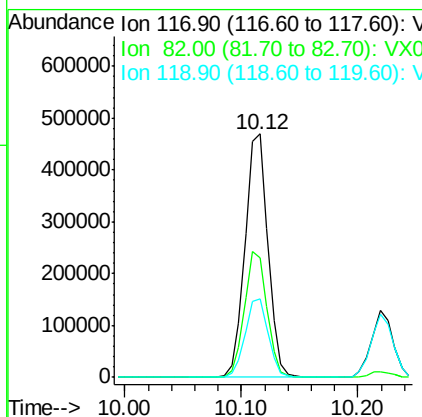
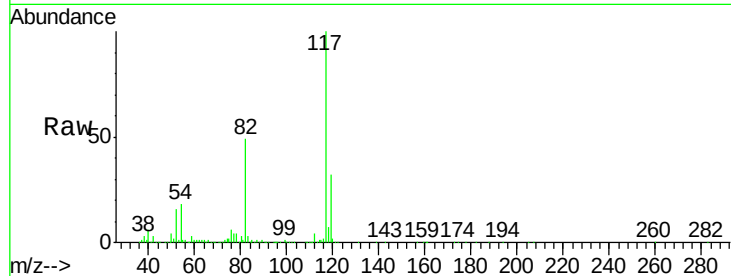




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

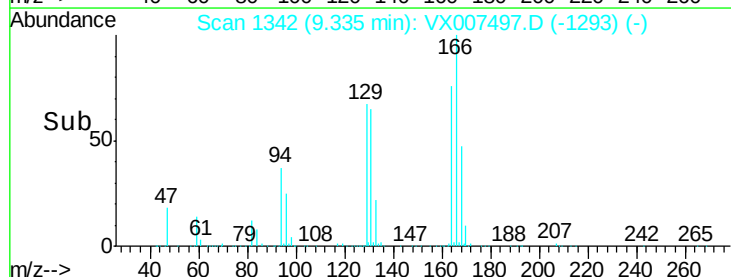
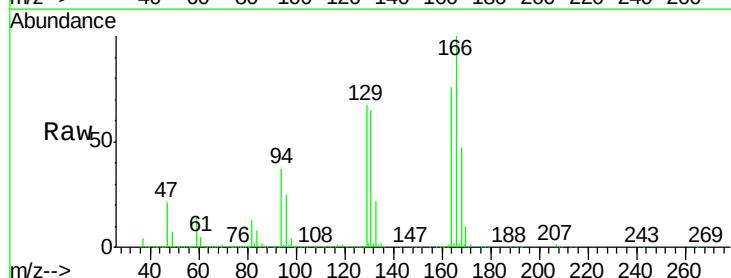
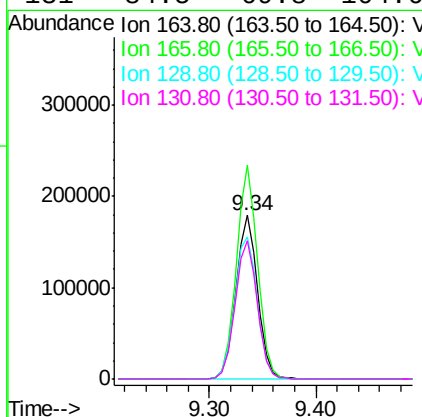
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

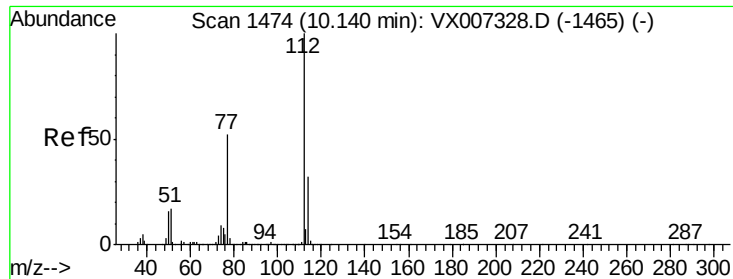
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.0	42.1	63.1
119	32.2	26.5	39.7



#64
Tetrachloroethene
Concen: 42.058 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	101.0	151.4
129	87.2	70.5	105.7
131	84.5	69.8	104.6





#65

Chlorobenzene

Concen: 46.632 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

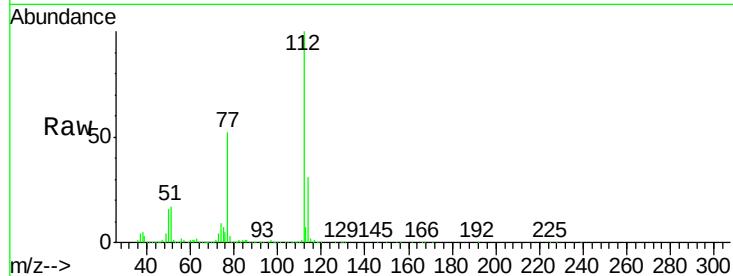
VSTDCCC050EC

Tot Ion:112 Resp: 657498

Ion Ratio Lower Upper

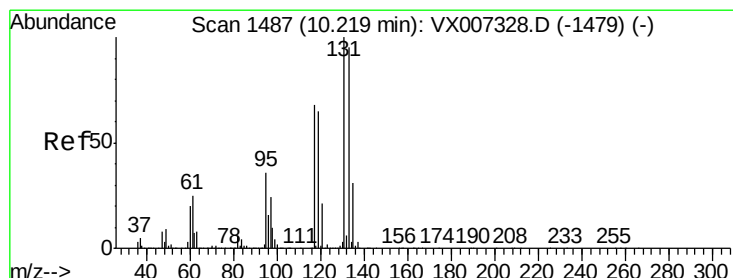
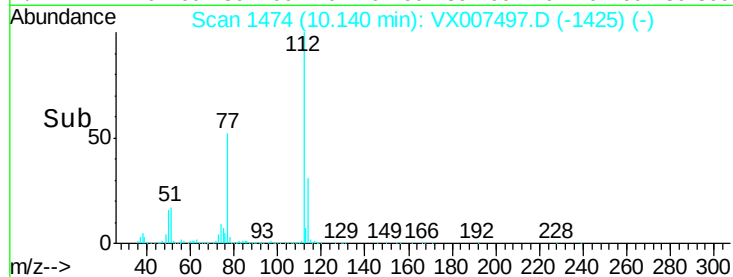
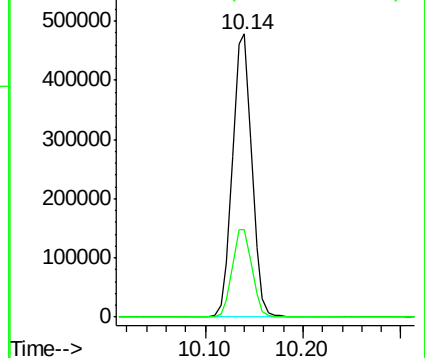
112 100

114 30.7 25.8 38.6



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: 51.697 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

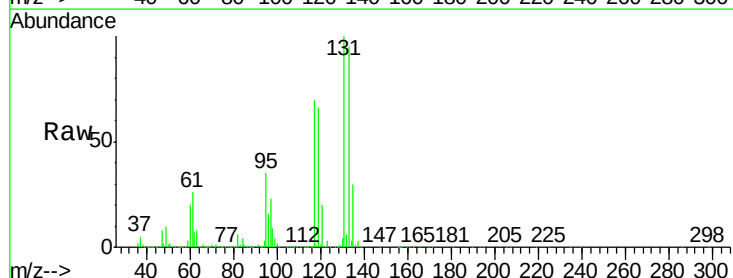
Tgt Ion:131 Resp: 244381

Ion Ratio Lower Upper

131 100

133 95.4 48.0 144.2

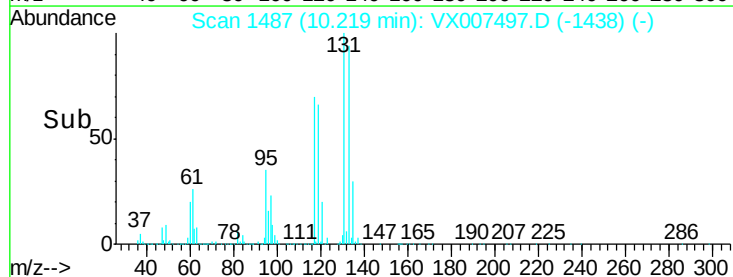
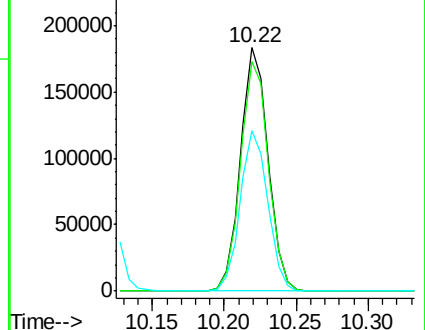
119 65.9 32.0 96.0

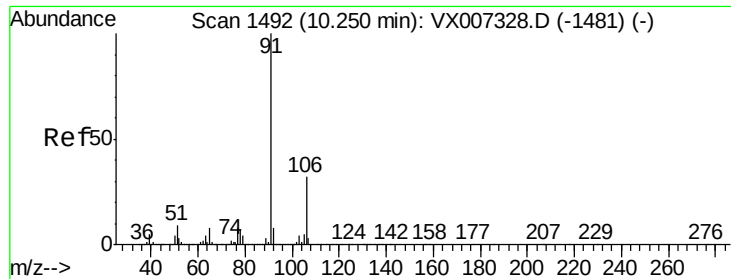


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

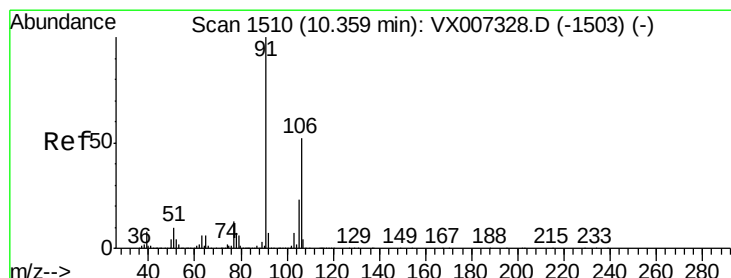
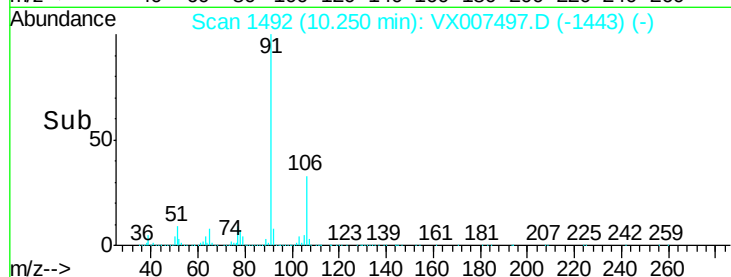
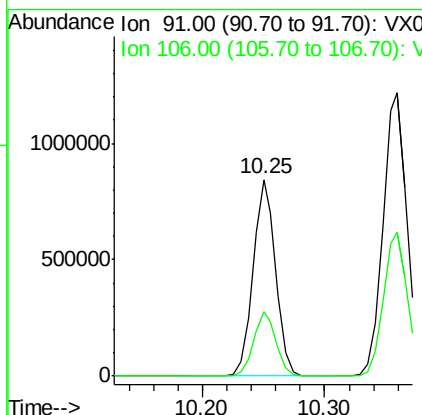
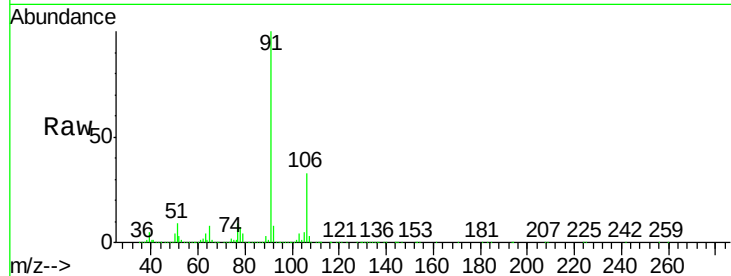




#67
Ethyl Benzene
Concen: 47.742 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

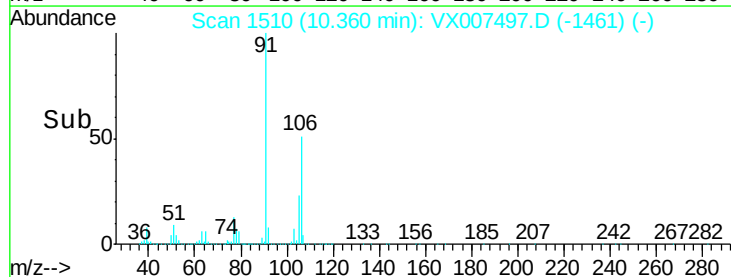
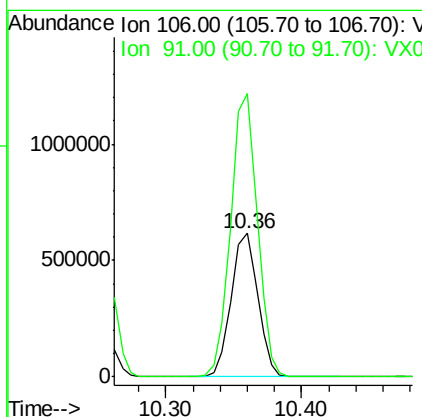
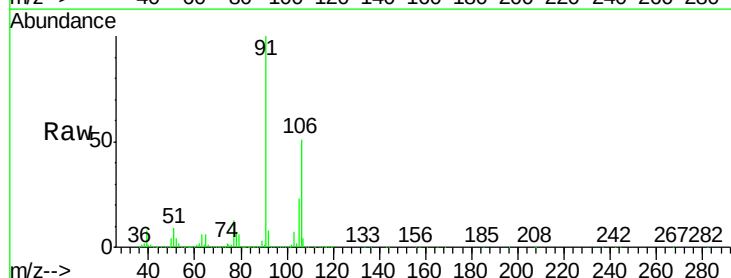
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

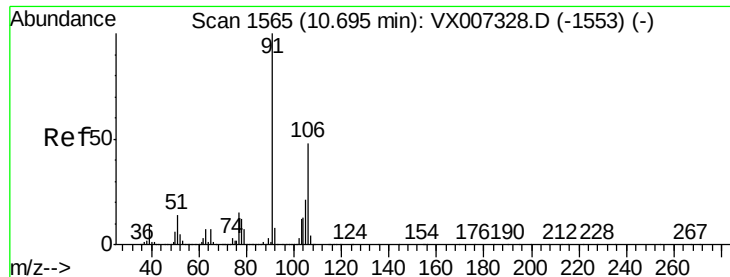
Tot Ion: 91 Resp: 1084020
Ion Ratio Lower Upper
91 100
106 32.7 25.4 38.0



#68
m/p-Xylenes
Concen: 93.455 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007497.D
Acq: 12 Feb 2019 19:03

Tgt Ion: 106 Resp: 843514
Ion Ratio Lower Upper
106 100
91 197.3 156.6 234.8





#69

o-Xylene

Concen: 47.953 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

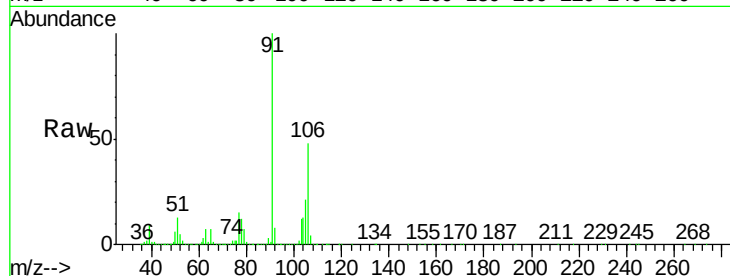
VSTDCCC050EC

Tot Ion:106 Resp: 416478

Ion Ratio Lower Upper

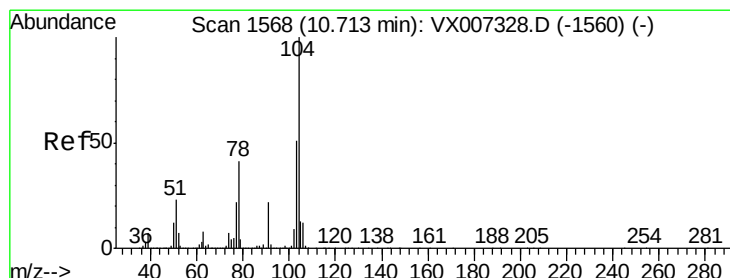
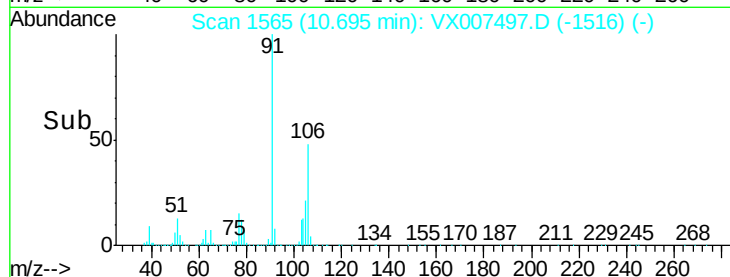
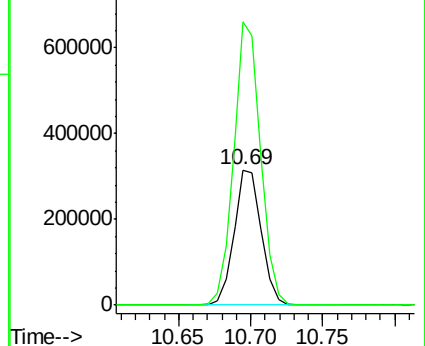
106 100

91 206.5 102.9 308.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 48.369 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

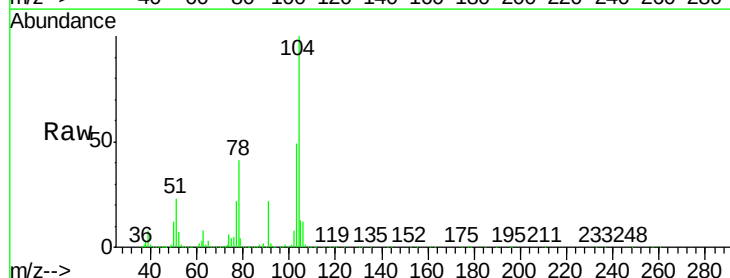
Tgt Ion:104 Resp: 681297

Ion Ratio Lower Upper

104 100

78 47.0 38.3 57.5

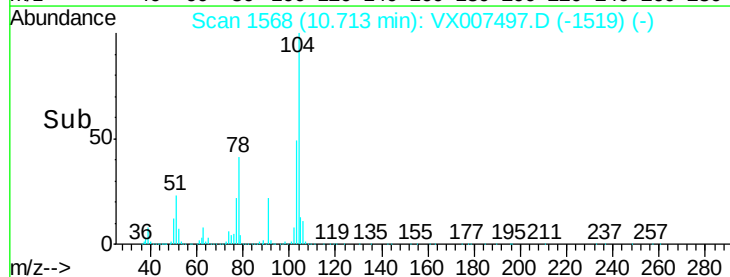
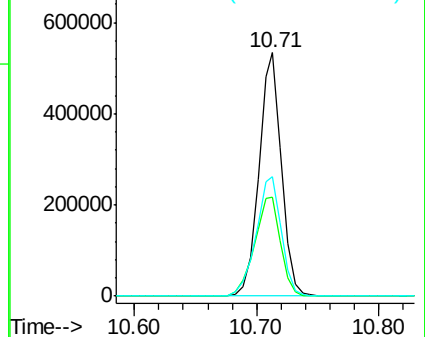
103 55.3 44.6 67.0

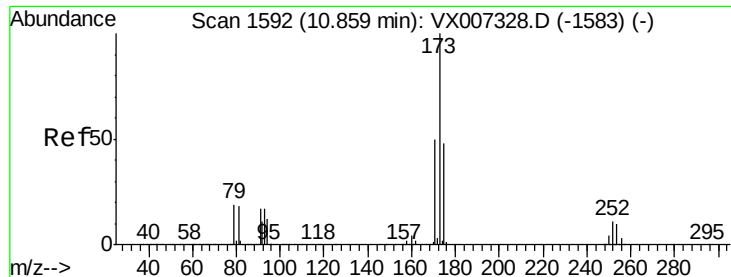


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 47.895 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

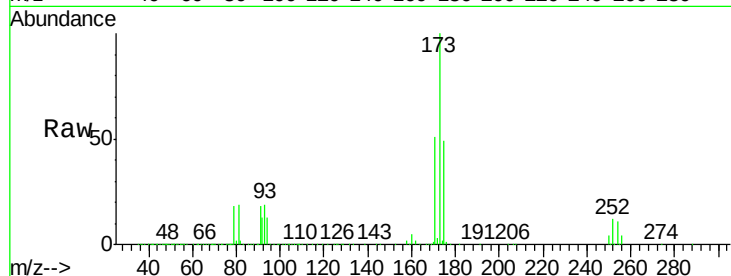
Tot Ion:173 Resp: 197813

Ion Ratio Lower Upper

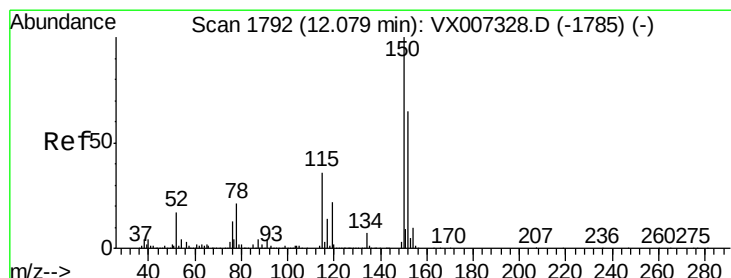
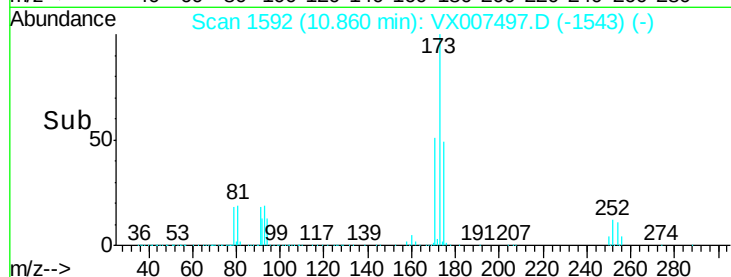
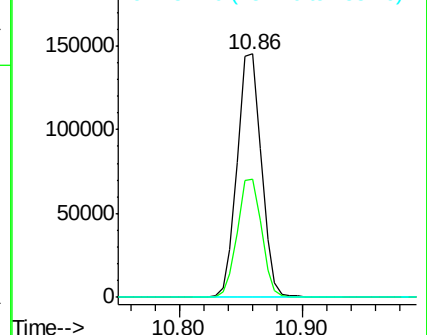
173 100

175 48.7 24.2 72.6

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

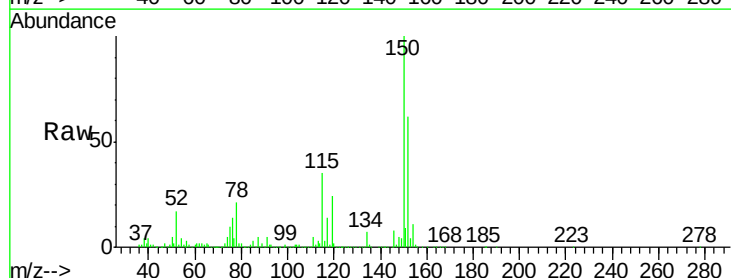
Tgt Ion:152 Resp: 321316

Ion Ratio Lower Upper

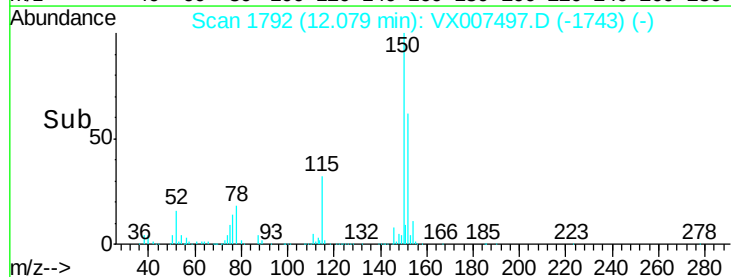
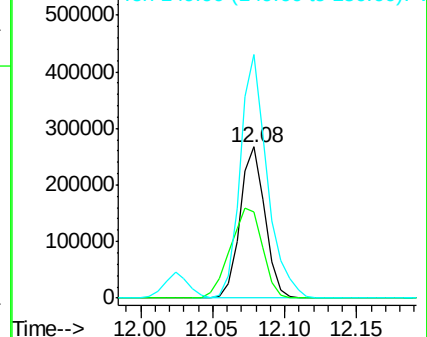
152 100

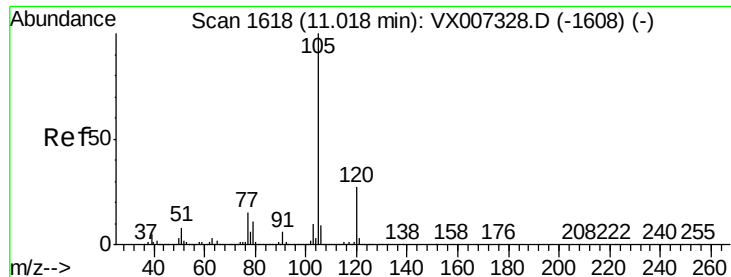
115 78.1 38.0 114.0

150 174.9 0.0 346.4



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





#73

Isopropylbenzene

Concen: 50.563 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

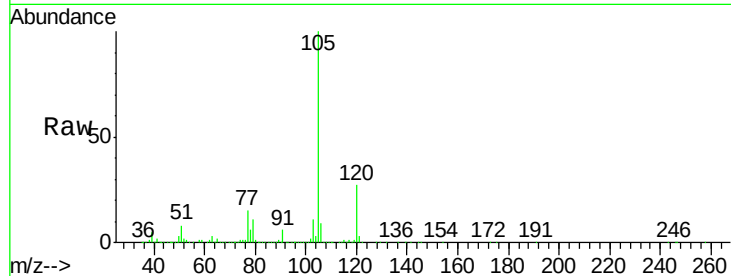
VSTDCCC050EC

Tot Ion:105 Resp: 1104056

Ion Ratio Lower Upper

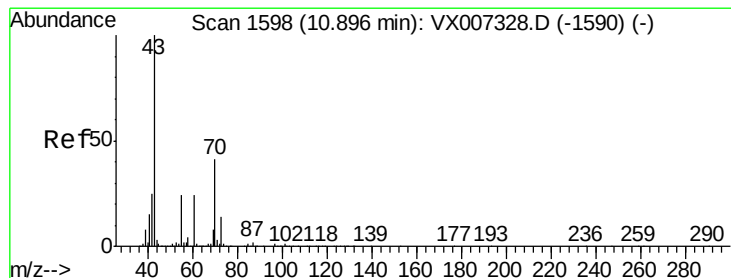
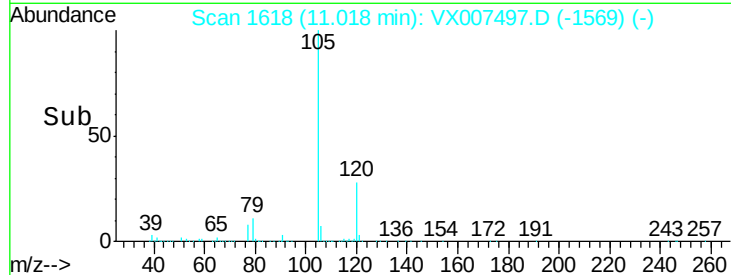
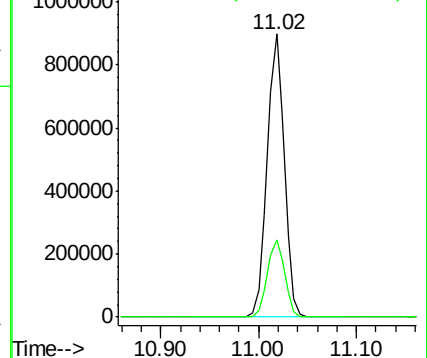
105 100

120 27.7 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.376 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Tgt Ion: 43 Resp: 450793

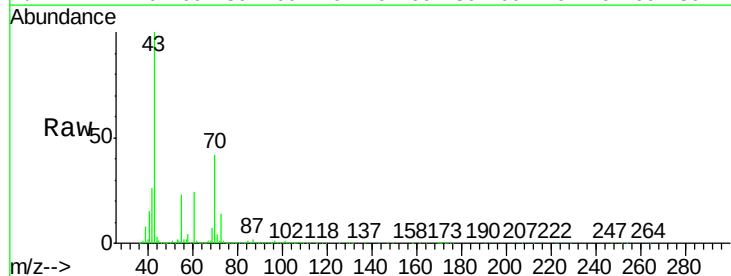
Ion Ratio Lower Upper

43 100

70 43.4 33.8 50.6

55 24.5 19.5 29.3

61 24.9 19.4 29.2

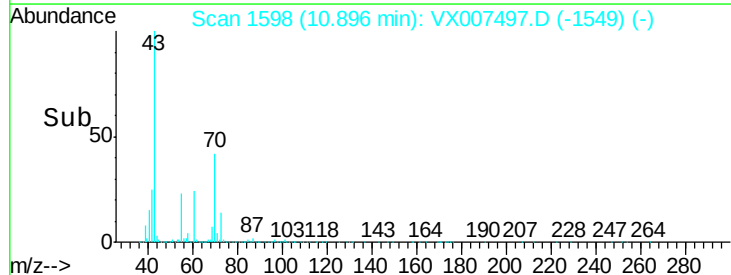
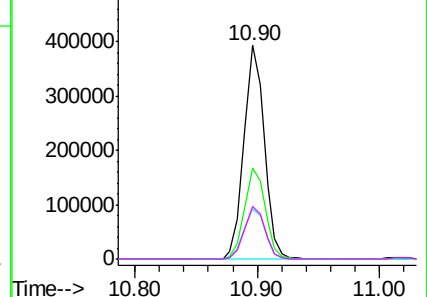


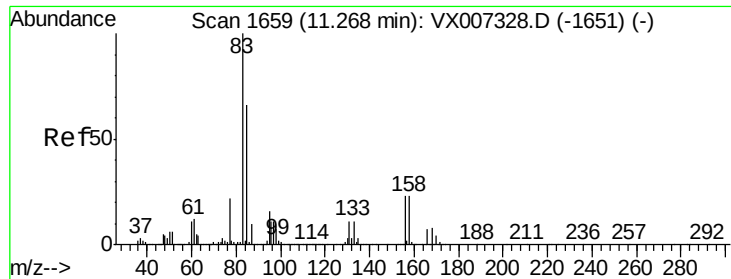
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.980 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

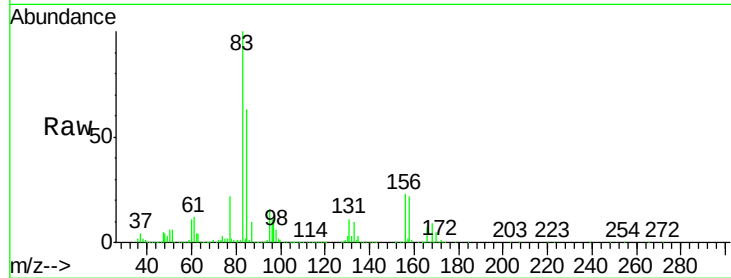
Tot Ion: 83 Resp: 359209

Ion Ratio Lower Upper

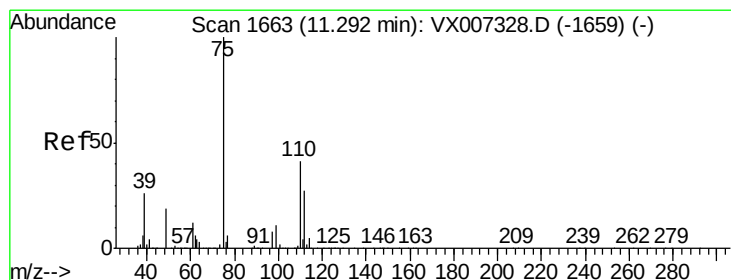
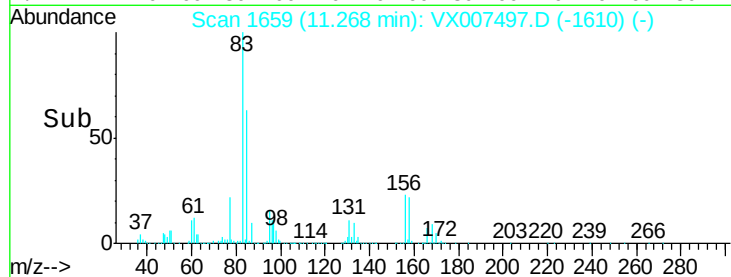
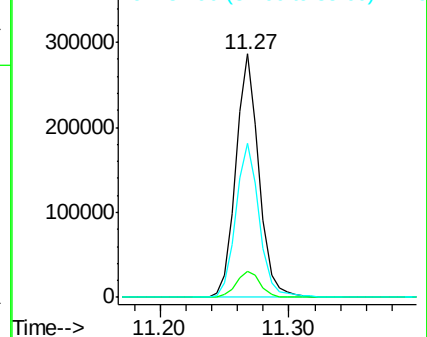
83 100

131 11.1 5.7 17.0

85 64.2 32.8 98.3



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 65.862 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX007497.D

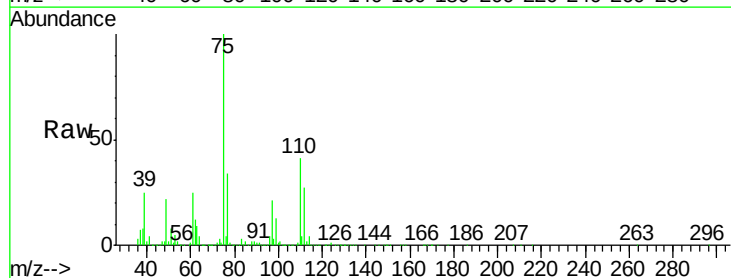
Acq: 12 Feb 2019 19:03

Tgt Ion: 75 Resp: 411635

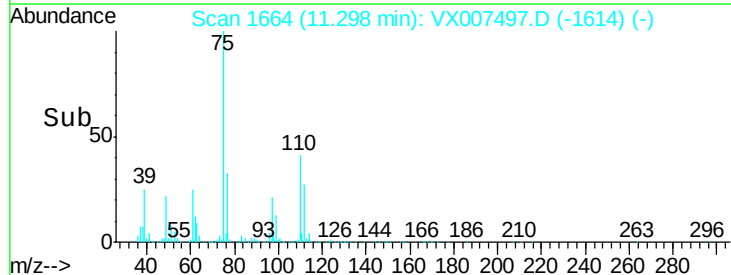
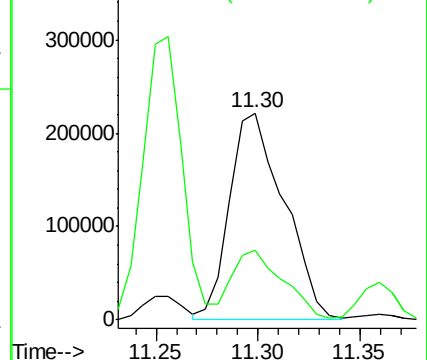
Ion Ratio Lower Upper

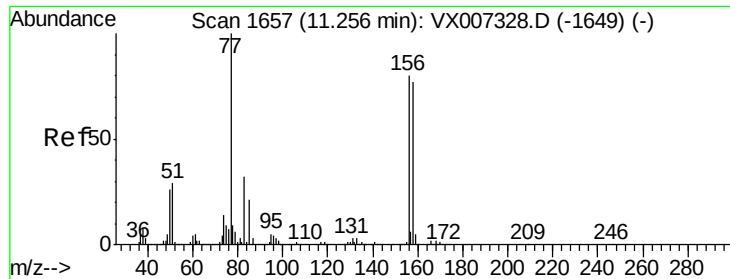
75 100

77 31.1 23.0 69.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.090 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

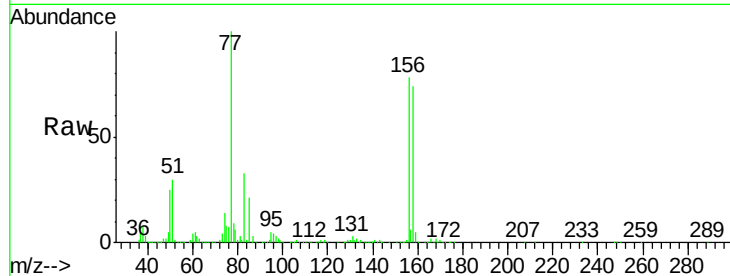
Tot Ion:156 Resp: 302010

Ion Ratio Lower Upper

156 100

77 135.6 66.8 200.6

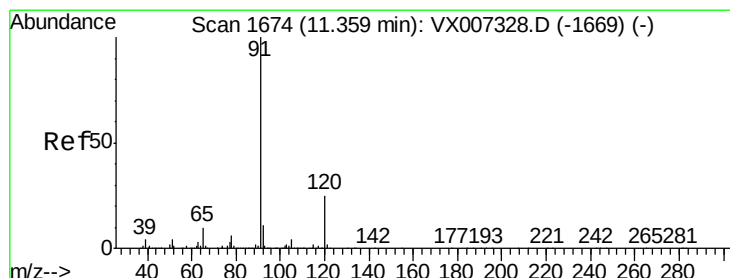
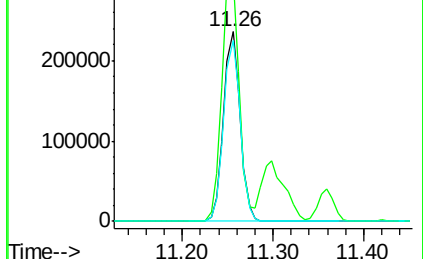
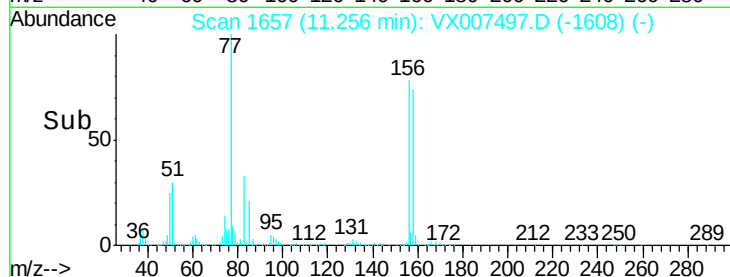
158 96.4 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.515 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007497.D

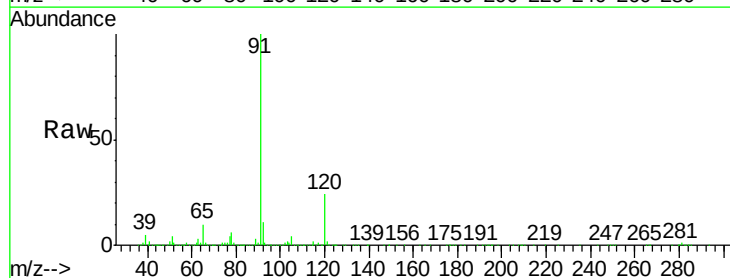
Acq: 12 Feb 2019 19:03

Tgt Ion: 91 Resp: 1233465

Ion Ratio Lower Upper

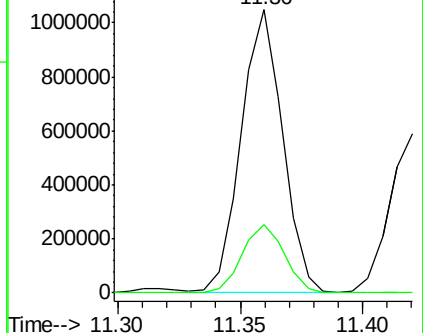
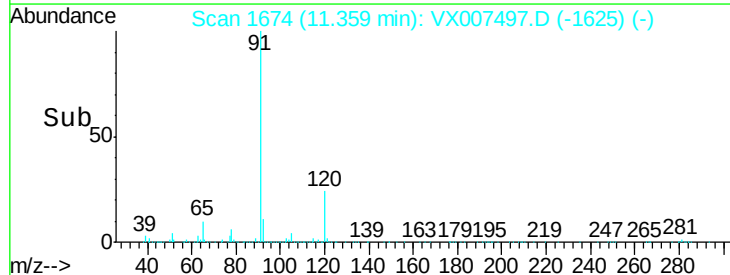
91 100

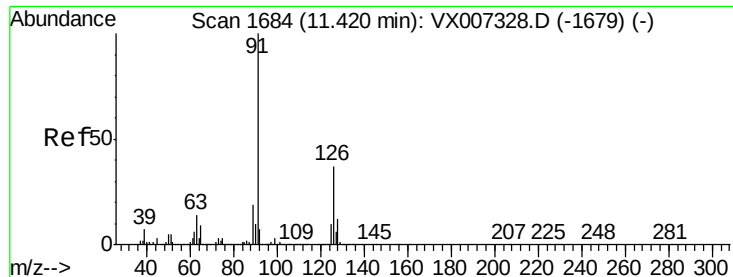
120 24.6 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.560 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

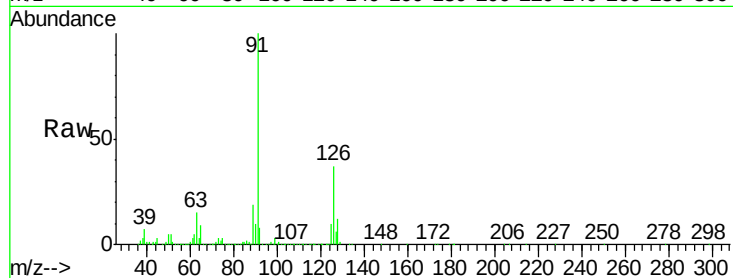
VSTDCCC050EC

Tot Ion: 91 Resp: 720028

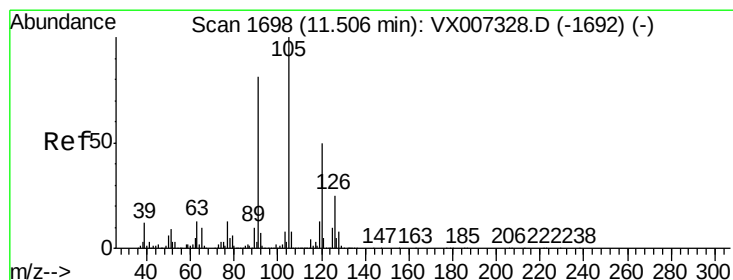
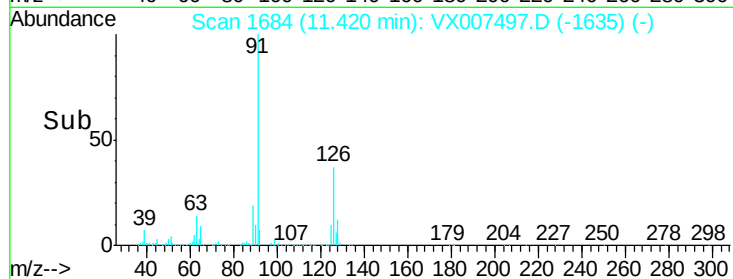
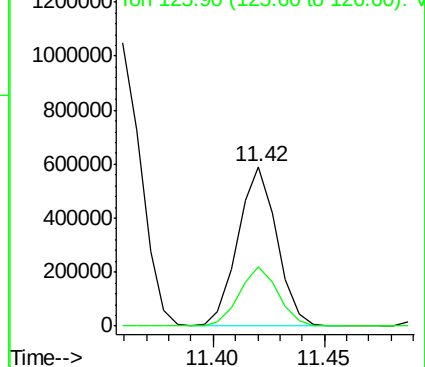
Ion Ratio Lower Upper

91 100

126 36.8 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VX007328.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.735 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007497.D

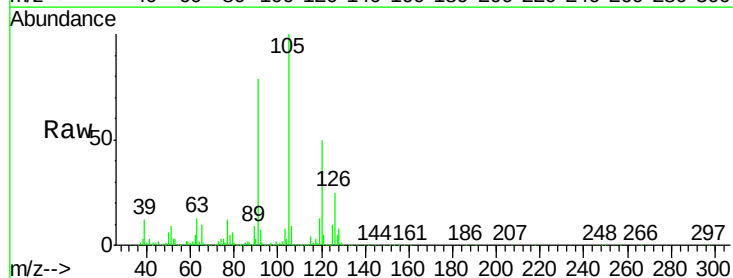
Acq: 12 Feb 2019 19:03

Tgt Ion: 105 Resp: 888462

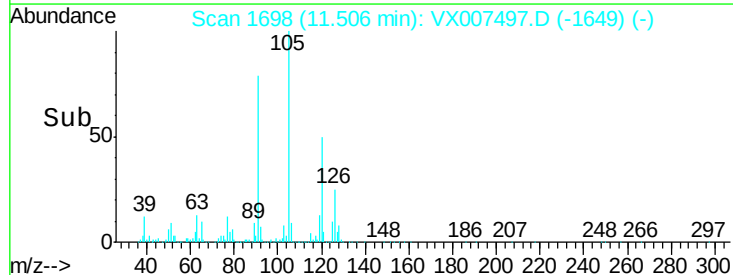
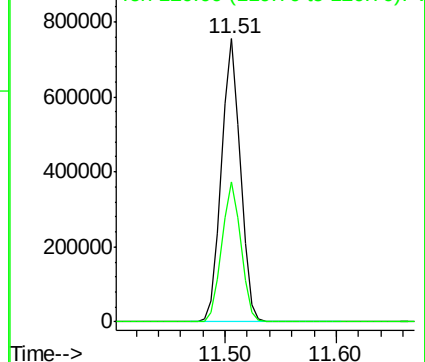
Ion Ratio Lower Upper

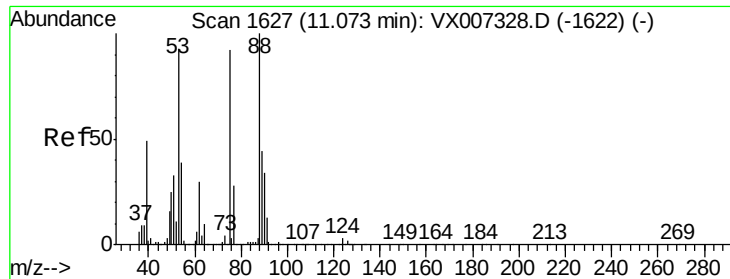
105 100

120 49.8 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX007328.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.231 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

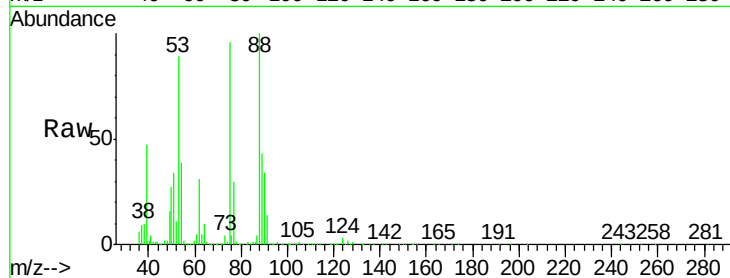
Tot Ion: 75 Resp: 103822

Ion Ratio Lower Upper

75 100

53 95.6 81.0 121.6

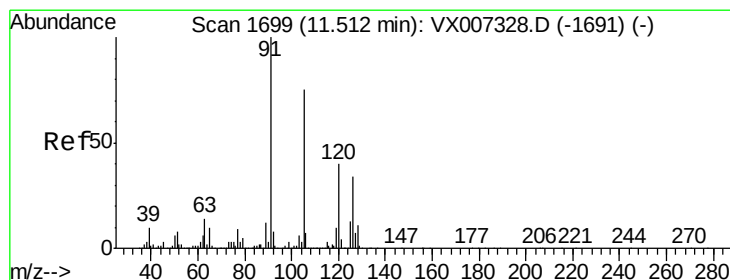
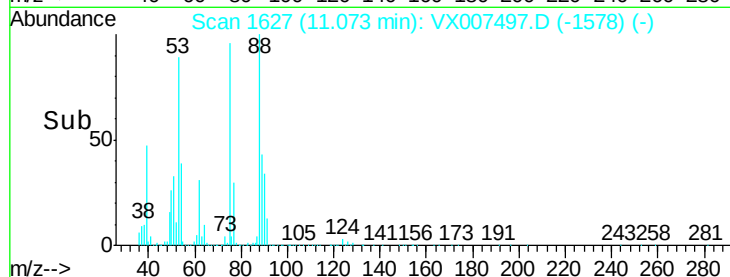
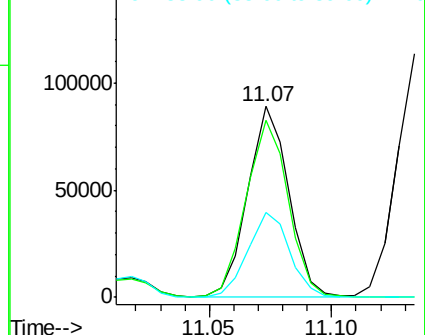
89 45.6 41.4 62.0



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: 48.690 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007497.D

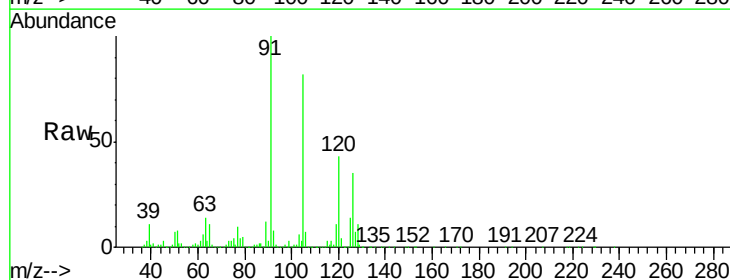
Acq: 12 Feb 2019 19:03

Tgt Ion: 91 Resp: 818531

Ion Ratio Lower Upper

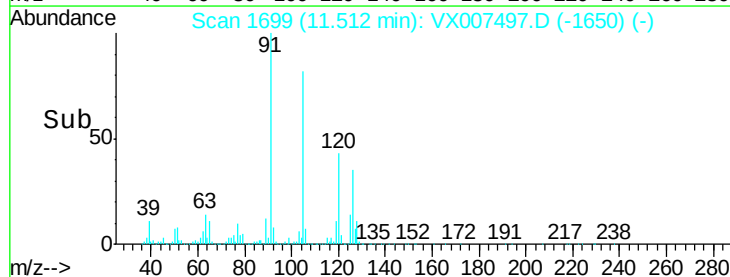
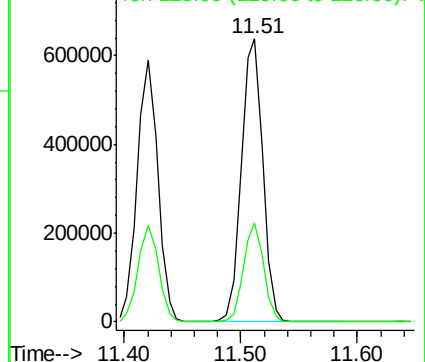
91 100

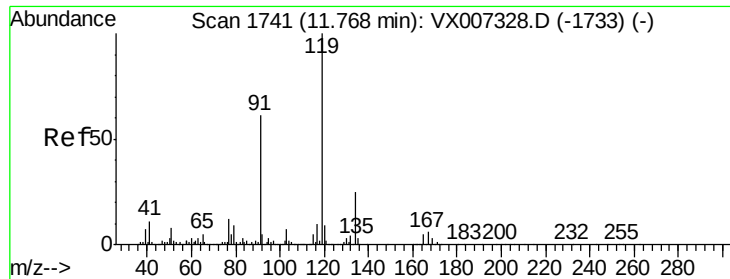
126 33.1 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.446 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

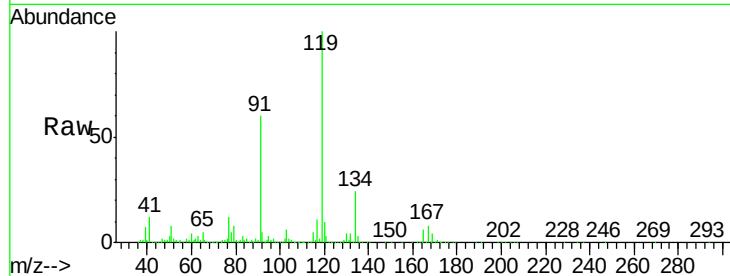
Tot Ion:119 Resp: 892203

Ion Ratio Lower Upper

119 100

91 56.3 28.5 85.6

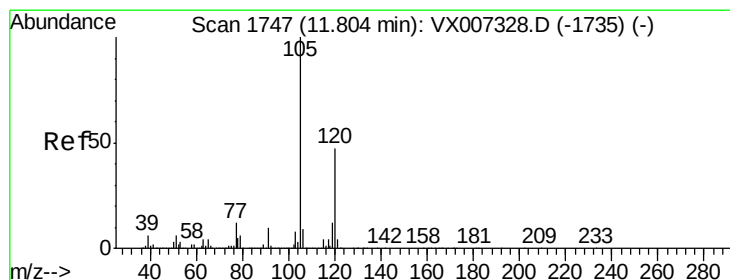
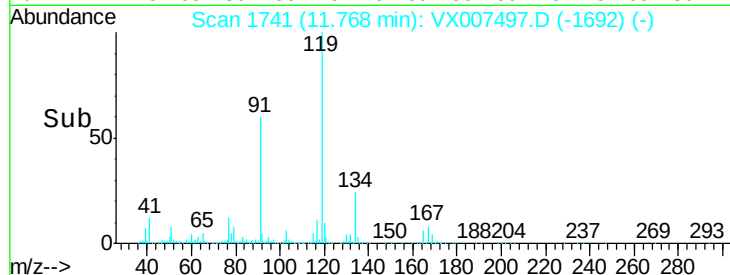
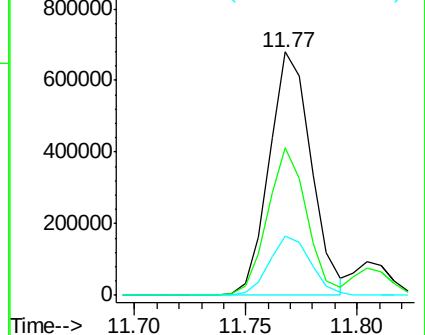
134 23.9 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.661 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007497.D

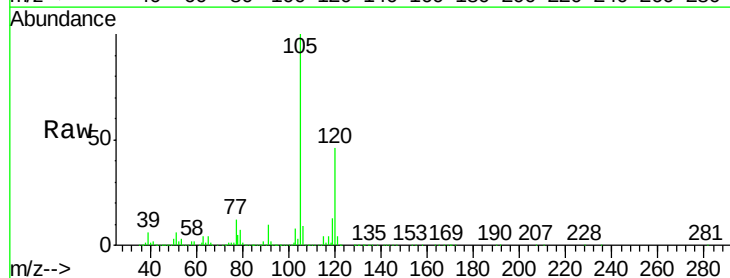
Acq: 12 Feb 2019 19:03

Tgt Ion:105 Resp: 918786

Ion Ratio Lower Upper

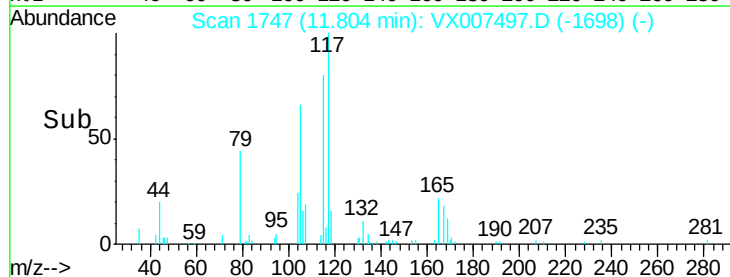
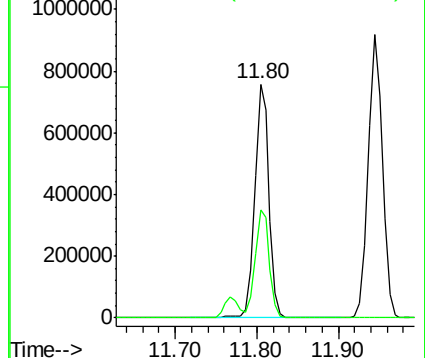
105 100

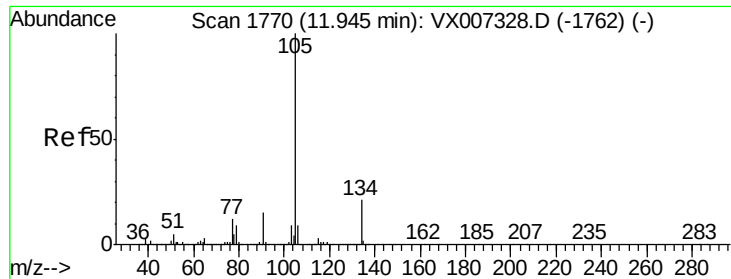
120 46.1 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.678 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

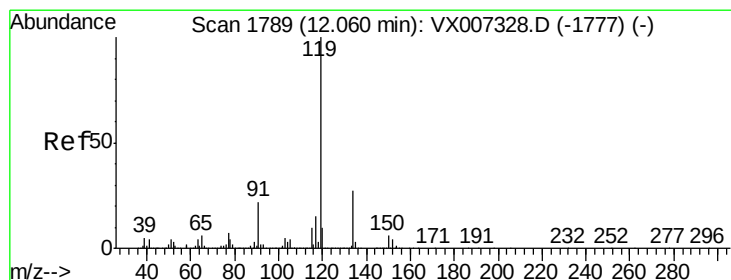
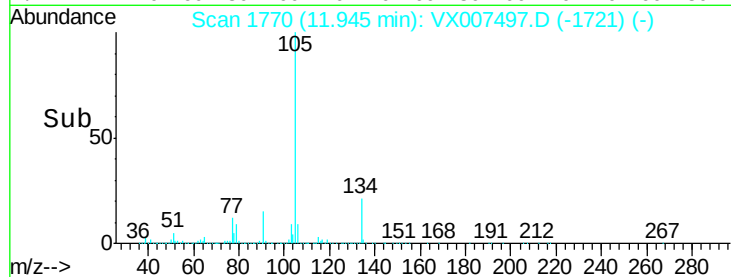
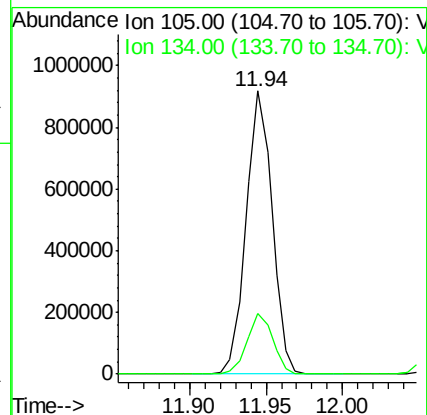
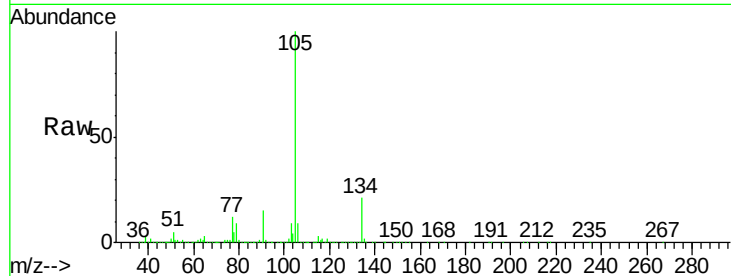
VSTDCCC050EC

Tot Ion:105 Resp: 1084809

Ion Ratio Lower Upper

105 100

134 21.4 10.6 31.8



#86

p-Isopropyltoluene

Concen: 49.863 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

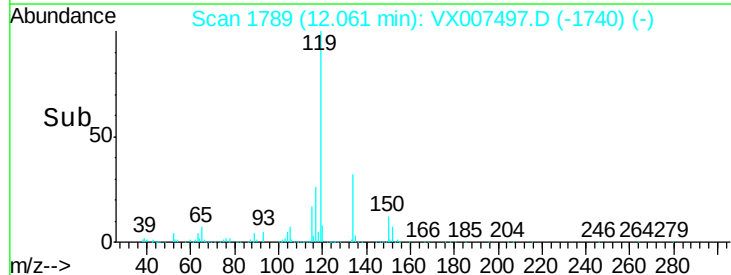
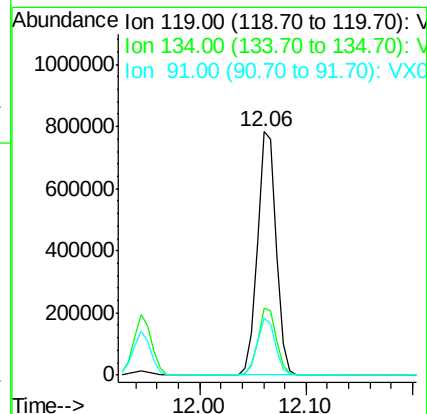
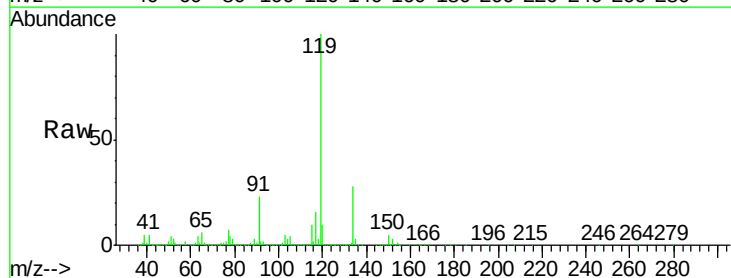
Tgt Ion:119 Resp: 963503

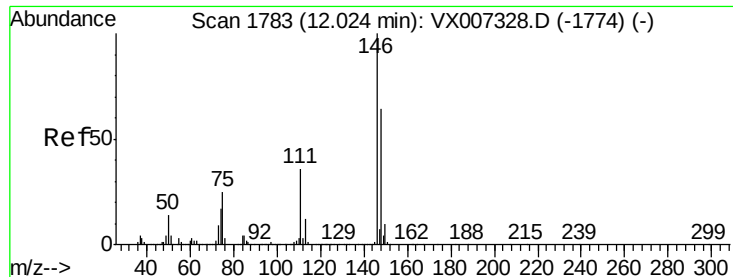
Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

91 22.8 11.2 33.5

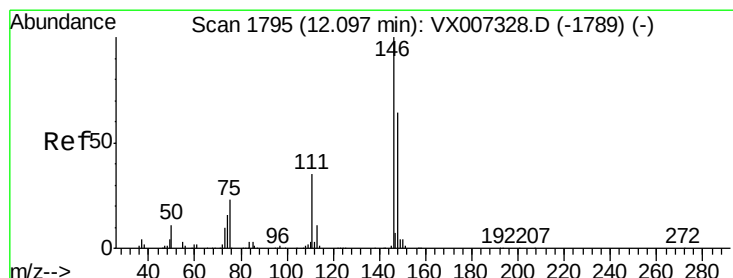
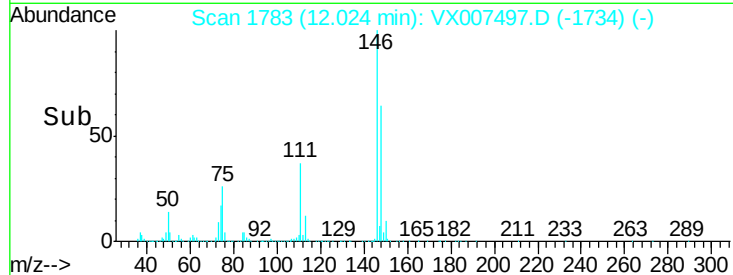
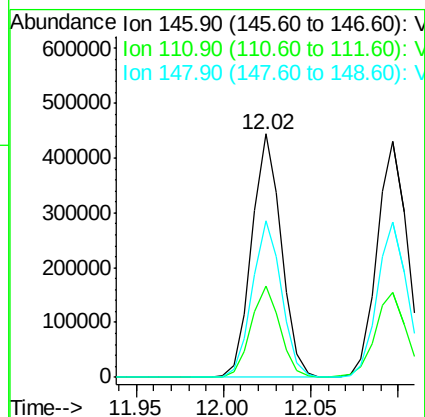
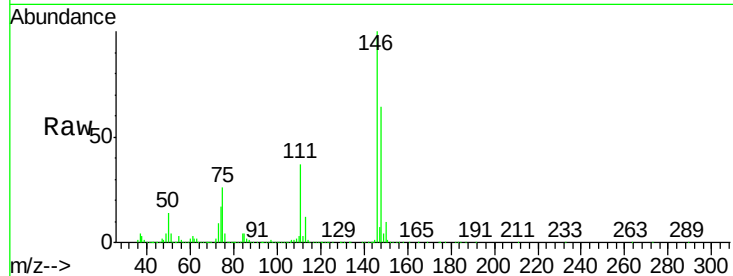




#87
 1,3-Dichlorobenzene
 Concen: 47.469 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

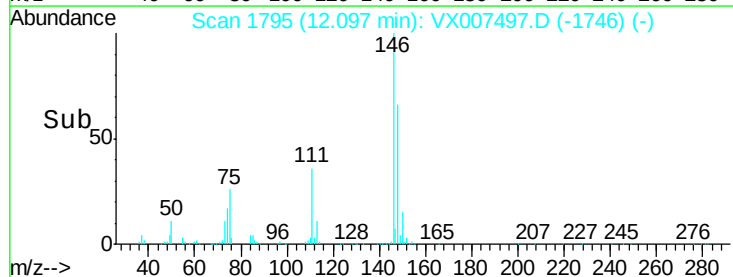
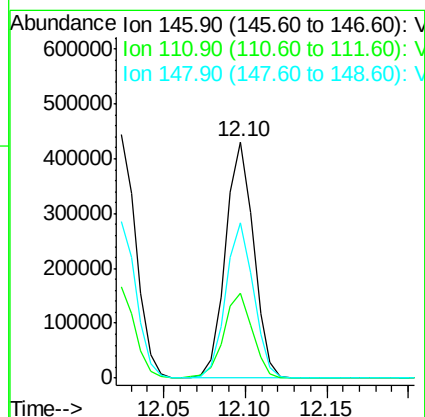
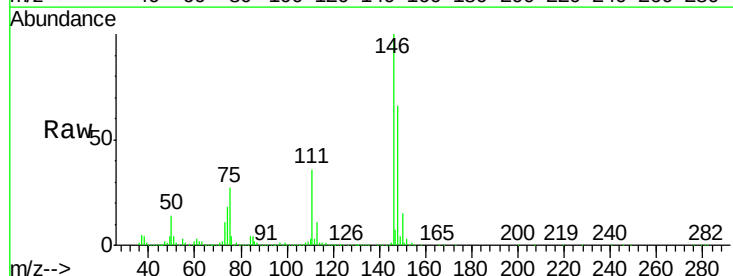
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

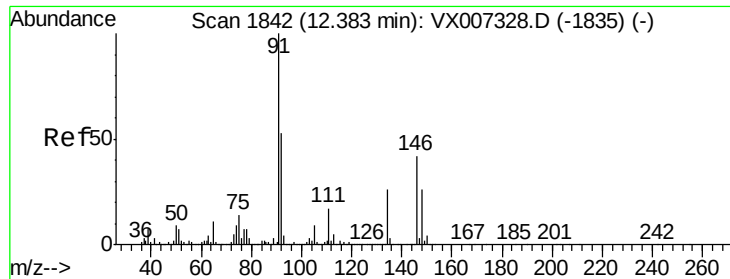
Tot Ion:146 Resp: 524111
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.1
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 46.042 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Tgt Ion:146 Resp: 515745
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.1 54.1
 148 65.1 32.3 96.9





#89

n-Butylbenzene

Concen: 49.124 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

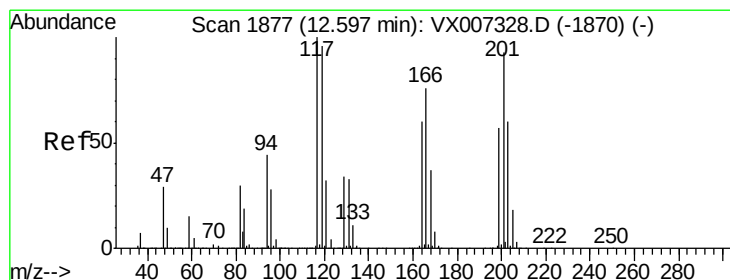
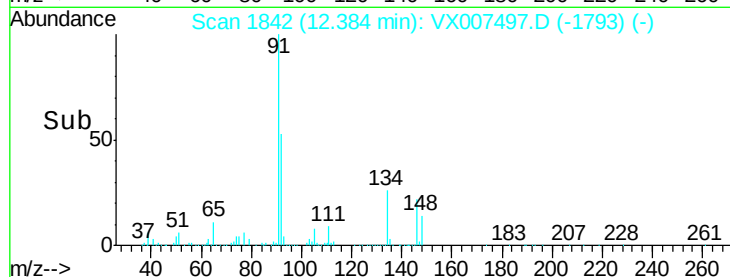
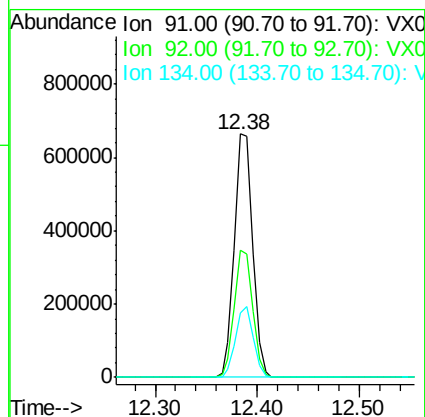
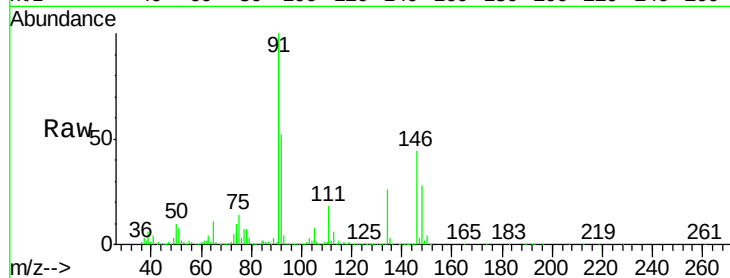
Tot Ion: 91 Resp: 816566

Ion Ratio Lower Upper

91 100

92 52.4 26.3 78.9

134 28.1 13.9 41.6



#90

Hexachloroethane

Concen: 56.739 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007497.D

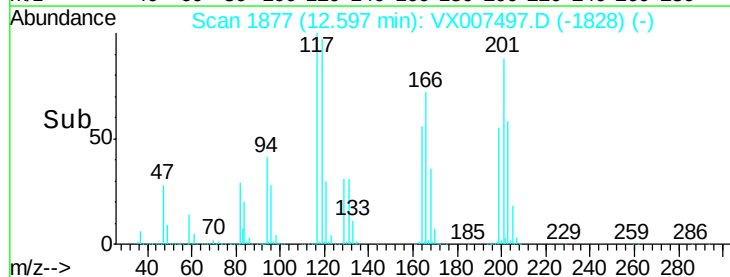
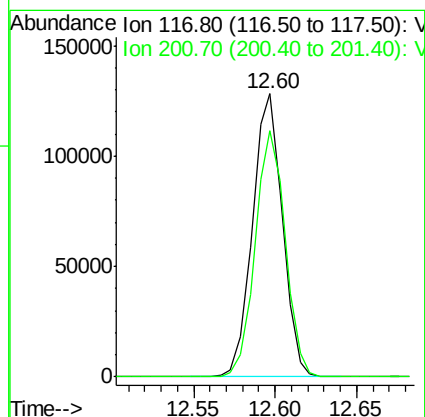
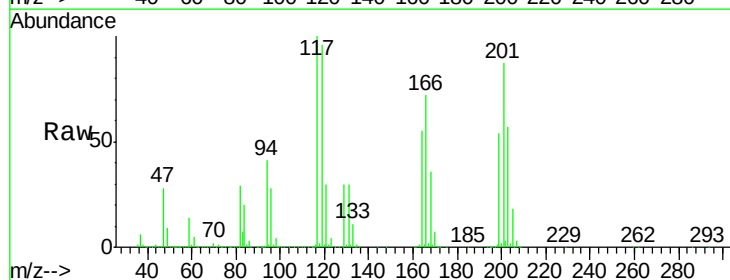
Acq: 12 Feb 2019 19:03

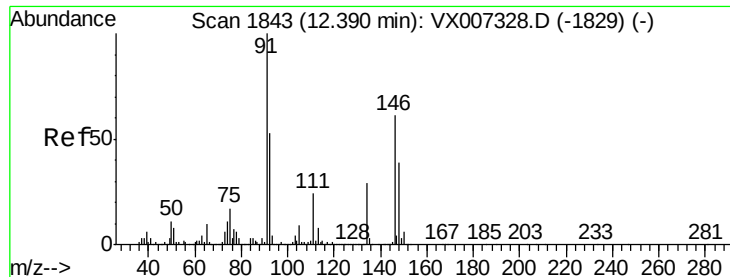
Tgt Ion: 117 Resp: 164087

Ion Ratio Lower Upper

117 100

201 87.1 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 47.497 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

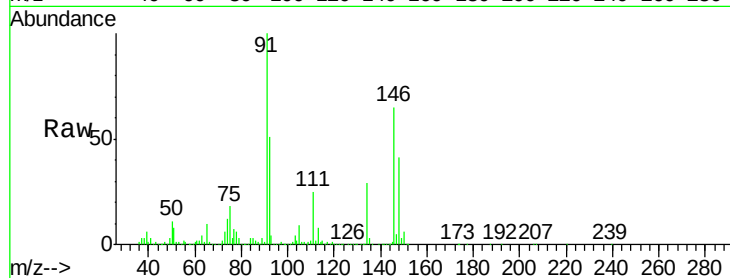
Tot Ion:146 Resp: 521896

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.3

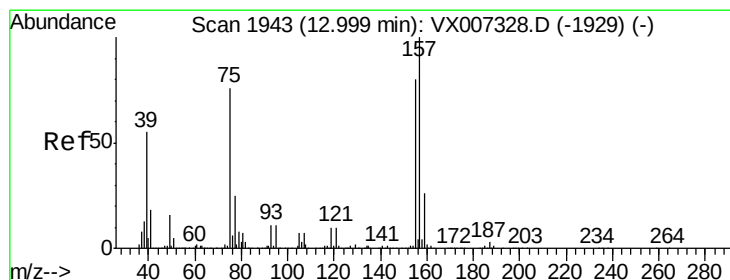
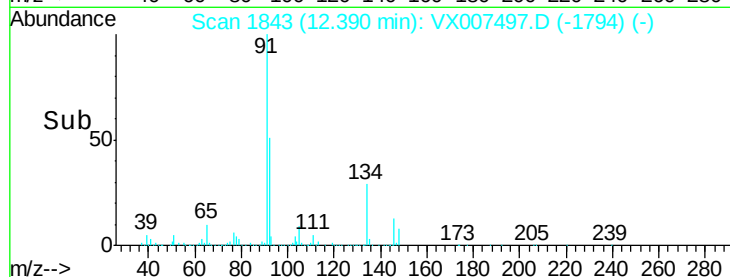
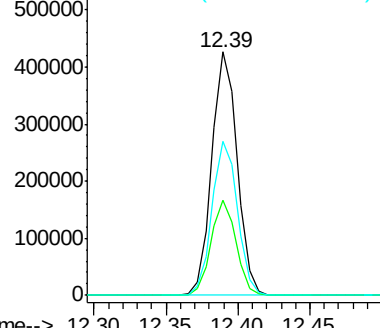
148 63.8 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.269 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

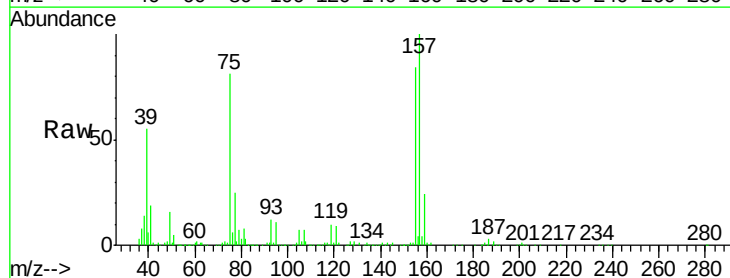
Tgt Ion: 75 Resp: 76474

Ion Ratio Lower Upper

75 100

155 102.9 49.6 149.0

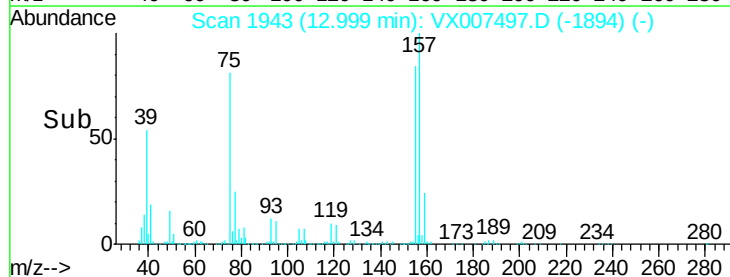
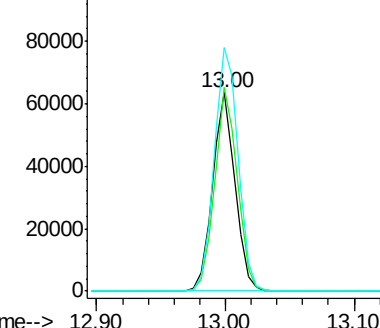
157 129.3 65.1 195.3

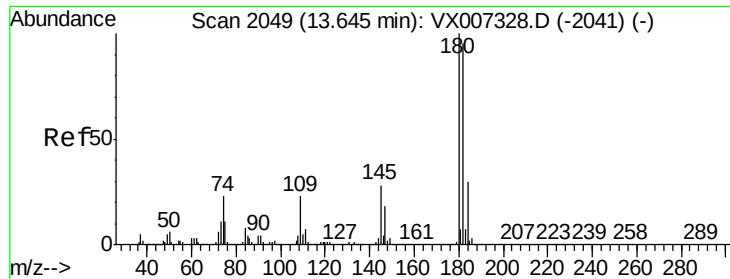


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

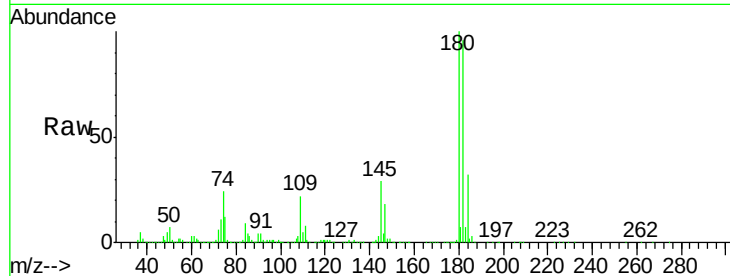




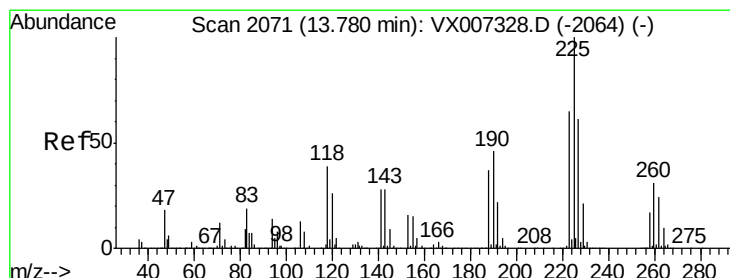
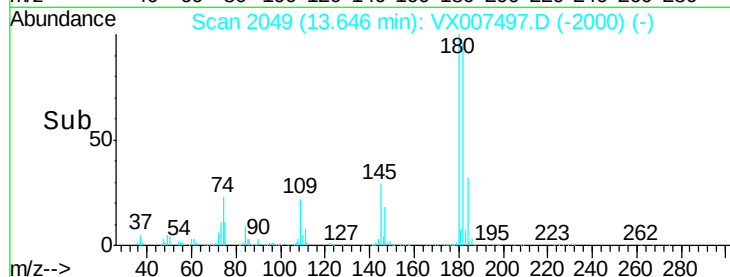
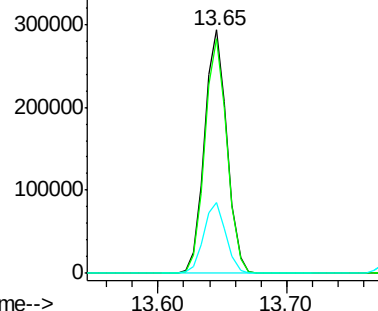
#93
 1,2,4-Trichlorobenzene
 Concen: 48.293 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 357863
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.8 143.3
 145 29.0 14.1 42.2

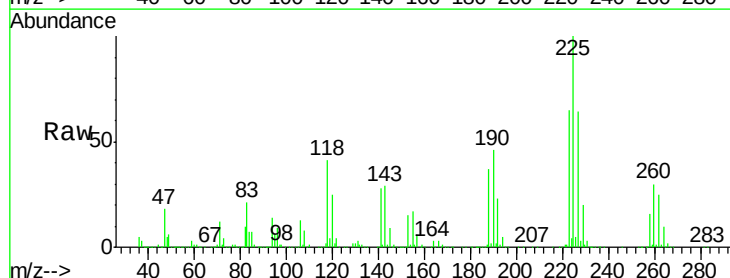


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

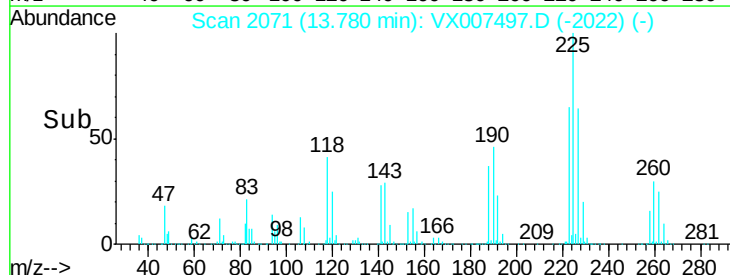
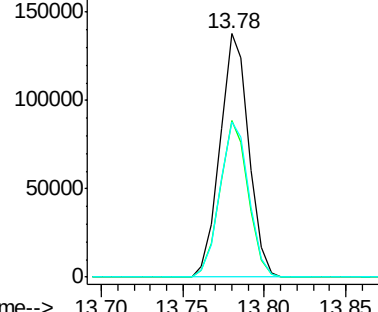


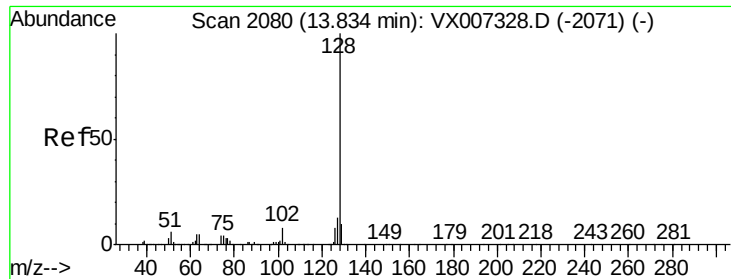
#94
 Hexachlorobutadiene
 Concen: 47.063 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007497.D
 Acq: 12 Feb 2019 19:03

Tgt Ion:225 Resp: 169340
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.6 94.8
 227 64.2 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 52.776 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

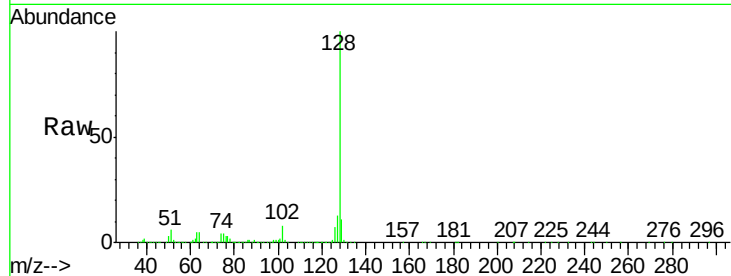
Tot Ion:128 Resp: 1143648

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

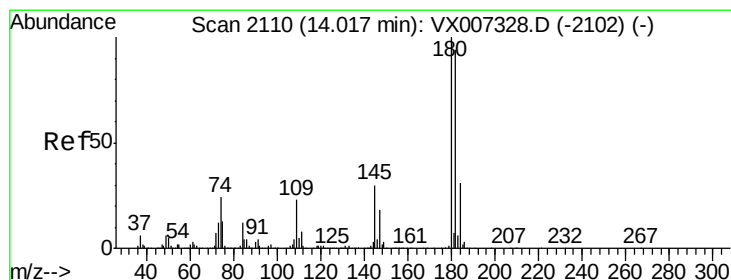
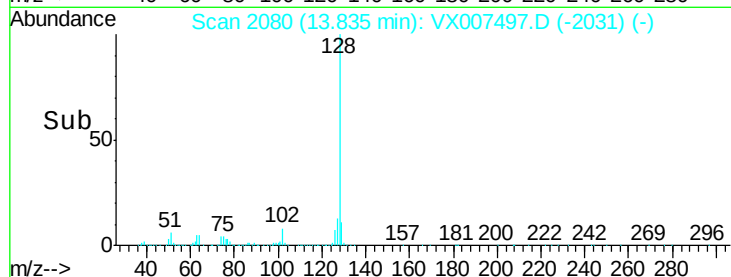
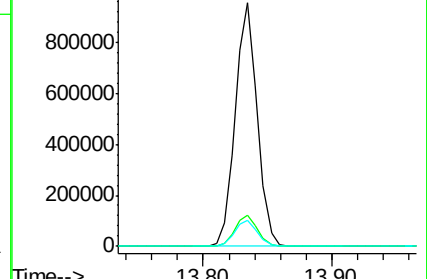
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.039 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007497.D

Acq: 12 Feb 2019 19:03

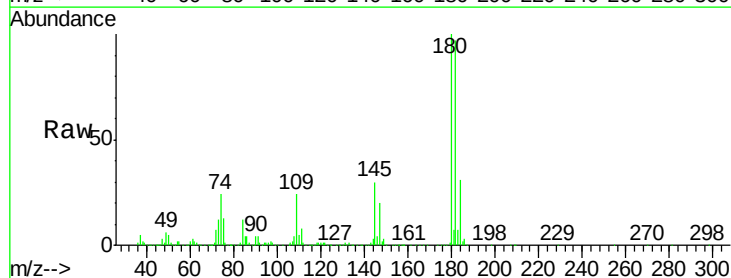
Tgt Ion:180 Resp: 358327

Ion Ratio Lower Upper

180 100

182 97.0 47.5 142.6

145 30.6 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

