

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030119\
 Data File : VX007802.D
 Acq On : 01 Mar 2019 20:46
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 01 22:22:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	304471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	447786	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	397326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203975	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	159487	42.29	ug/l	0.00
Spiked Amount						
			Recovery	=	84.58%	
35) Dibromofluoromethane	5.50	113	138779	46.36	ug/l	0.00
Spiked Amount						
			Recovery	=	92.72%	
50) Toluene-d8	8.71	98	509185	44.43	ug/l	0.00
Spiked Amount						
			Recovery	=	88.86%	
62) 4-Bromofluorobenzene	11.13	95	182564	43.41	ug/l	0.00
Spiked Amount						
			Recovery	=	86.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	113346	40.412	ug/l	100
3) Chloromethane	1.33	50	131843	42.419	ug/l	98
4) Vinyl Chloride	1.41	62	139558	43.766	ug/l	99
5) Bromomethane	1.64	94	77763	38.354	ug/l	96
6) Chloroethane	1.71	64	111874	54.914	ug/l	97
7) Trichlorofluoromethane	1.93	101	201124	41.143	ug/l	98
8) Diethyl Ether	2.19	74	85670	42.702	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.39	101	116908	39.568	ug/l	98
10) Methyl Iodide	2.51	142	163285	44.383	ug/l	99
11) Tert butyl alcohol	3.08	59	172654	241.281	ug/l	99
12) 1,1-Dichloroethene	2.37	96	115144	43.234	ug/l	94
13) Acrolein	2.30	56	98445	154.820	ug/l	100
14) Allyl chloride	2.73	41	246173	49.990	ug/l	92
15) Acrylonitrile	3.15	53	407399	241.929	ug/l	100
16) Acetone	2.45	43	357095	212.917	ug/l	98
17) Carbon Disulfide	2.57	76	340351	45.935	ug/l	99
18) Methyl Acetate	2.78	43	196820	53.780	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	421384	45.435	ug/l	98
20) Methylene Chloride	2.86	84	131287	42.393	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	123879	42.786	ug/l	93
22) Diisopropyl ether	3.87	45	489979	47.797	ug/l	93
23) Vinyl Acetate	3.82	43	2133227	237.183	ug/l	97
24) 1,1-Dichloroethane	3.70	63	260101	46.686	ug/l	98
25) 2-Butanone	4.70	43	606766	237.505	ug/l	96
26) 2,2-Dichloropropane	4.59	77	172760	38.846	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	154866	42.037	ug/l	93
28) Bromochloromethane	5.02	49	121479	44.788	ug/l	86
29) Tetrahydrofuran	5.15	42	406020	241.101	ug/l	93
30) Chloroform	5.21	83	250309	41.943	ug/l	99
31) Cyclohexane	5.57	56	229667	43.824	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	214500	43.460	ug/l	98
36) 1,1-Dichloropropene	5.80	75	185613	46.106	ug/l	97
37) Ethyl Acetate	4.85	43	228324	51.057	ug/l	99
38) Carbon Tetrachloride	5.78	117	190719	47.162	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	219862	43.212	ug/l	94
40) Benzene	6.14	78	578946	46.587	ug/l	99
41) Methacrylonitrile	5.06	41	129179	54.096	ug/l	94
42) 1,2-Dichloroethane	6.20	62	192982	46.202	ug/l	99
43) Isopropyl Acetate	6.46	43	352508	51.217	ug/l	99
44) Trichloroethene	7.21	130	154016	45.052	ug/l	95
45) 1,2-Dichloropropane	7.52	63	155898	48.428	ug/l	97
46) Dibromomethane	7.66	93	97623	43.469	ug/l	98
47) Bromodichloromethane	7.90	83	194567	49.993	ug/l	100
48) Methyl methacrylate	7.77	41	184377	51.106	ug/l	91
49) 1,4-Dioxane	7.75	88	75991	975.230	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	1147468	249.068	ug/l	100
52) Toluene	8.78	92	352571	44.991	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	209864	43.746	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	231679	49.054	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	146982	44.978	ug/l	98
56) Ethyl methacrylate	9.18	69	226332	48.704	ug/l	94
57) 1,3-Dichloropropane	9.37	76	244826	46.802	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	599754	234.037	ug/l	96
59) 2-Hexanone	9.49	43	867107	239.734	ug/l	100
60) Dibromochloromethane	9.59	129	163134	51.880	ug/l	99
61) 1,2-Dibromoethane	9.67	107	155517	45.837	ug/l	99
64) Tetrachloroethene	9.34	164	147312	45.670	ug/l	98
65) Chlorobenzene	10.14	112	387353	45.076	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	146892	49.004	ug/l	99
67) Ethyl Benzene	10.25	91	653805	45.928	ug/l	99
68) m/p-Xylenes	10.36	106	504950	91.179	ug/l	97
69) o-Xylene	10.69	106	245479	46.083	ug/l	96
70) Styrene	10.71	104	407367	46.525	ug/l	99
71) Bromoform	10.85	173	130312	57.973	ug/l	99
73) Isopropylbenzene	11.02	105	657078	45.072	ug/l	100
74) N-amyl acetate	10.90	43	303657	47.965	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	221159	43.862	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	259058	59.583	ug/l	79
77) Bromobenzene	11.26	156	175610	48.026	ug/l	95
78) n-propylbenzene	11.36	91	737648	44.777	ug/l	98
79) 2-Chlorotoluene	11.42	91	437445	44.101	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	542409	45.233	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	67652	42.196	ug/l	92
82) 4-Chlorotoluene	11.51	91	502262	43.284	ug/l	99
83) tert-Butylbenzene	11.77	119	545626	47.390	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	554125	45.175	ug/l	99
85) sec-Butylbenzene	11.94	105	648451	44.945	ug/l	99
86) p-Isopropyltoluene	12.06	119	580615	45.952	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	308378	45.466	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	309803	44.600	ug/l	100
89) n-Butylbenzene	12.38	91	481975	42.772	ug/l	99
90) Hexachloroethane	12.60	117	101766	47.801	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	309313	45.578	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	48963	44.567	ug/l	99

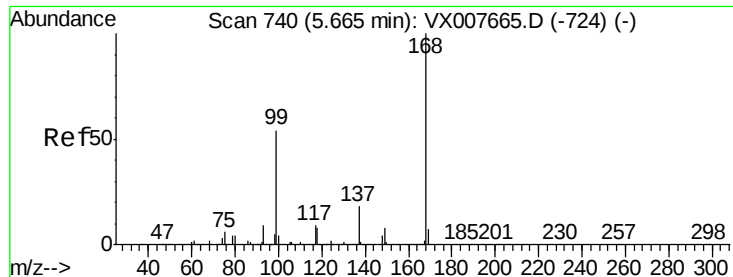
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	220465	53.220	ug/l	100
94) Hexachlorobutadiene	13.78	225	114910	60.637	ug/l	99
95) Naphthalene	13.83	128	661084	49.257	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	222127	53.403	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

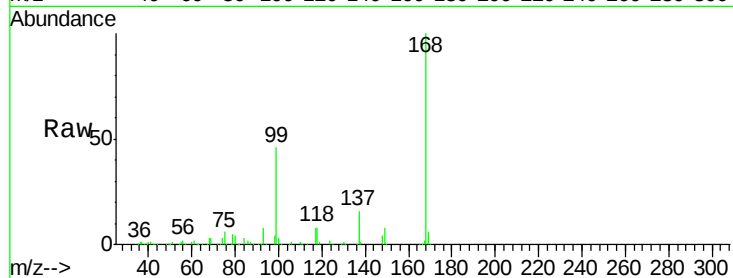
VSTDCCC050EC

Tot Ion:168 Resp: 304471

Ion Ratio Lower Upper

168 100

99 46.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

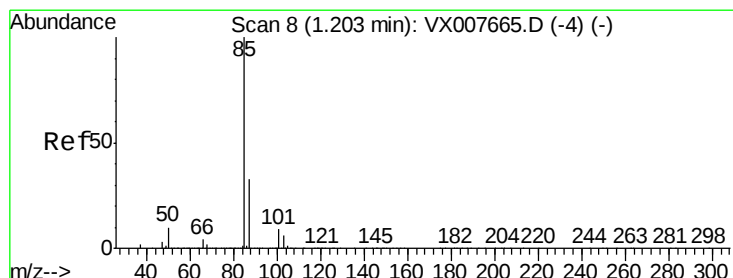
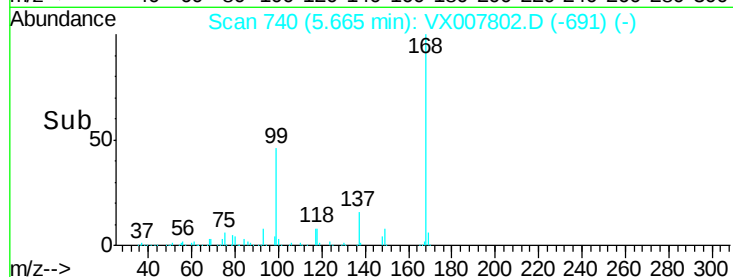
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 40.412 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.01 min

Lab File: VX007802.D

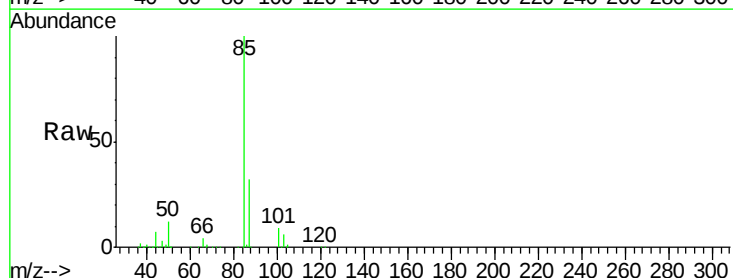
Acq: 01 Mar 2019 20:46

Tgt Ion: 85 Resp: 113346

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

1.20

120000

100000

80000

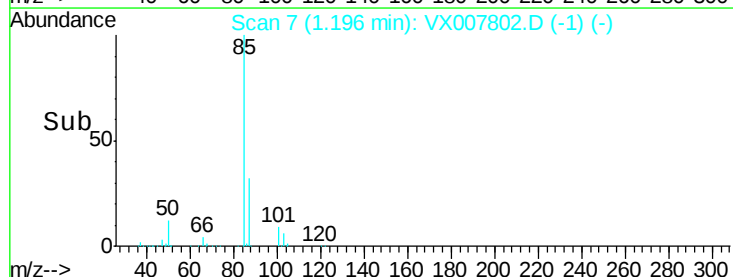
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 42.419 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

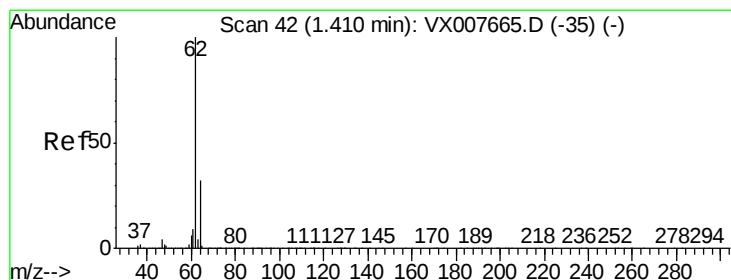
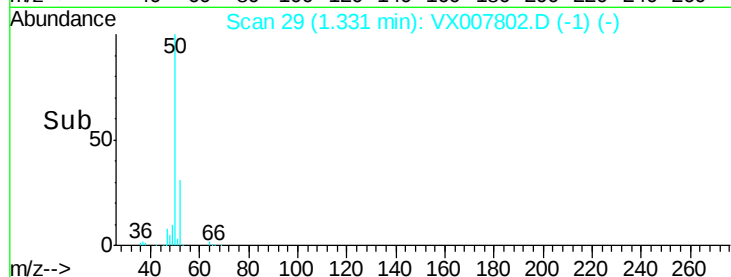
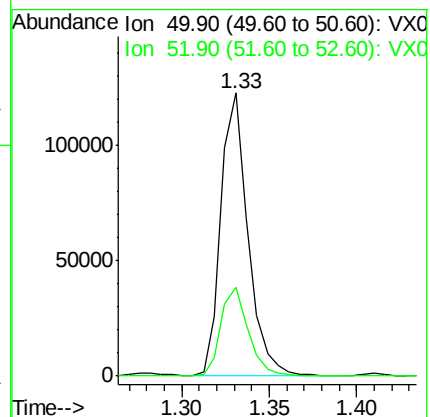
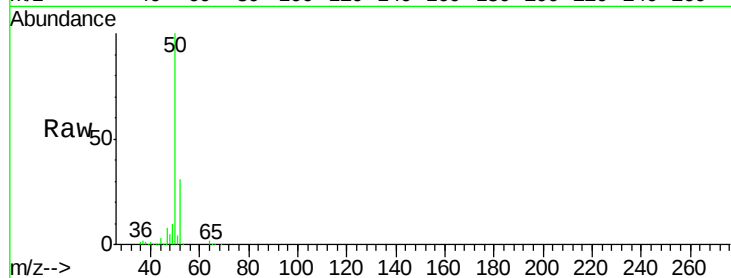
VSTDCCC050EC

Tot Ion: 50 Resp: 131843

Ion Ratio Lower Upper

50 100

52 31.3 26.1 39.1



#4

Vinyl Chloride

Concen: 43.766 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007802.D

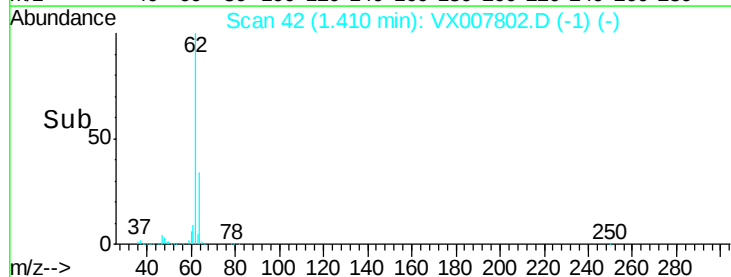
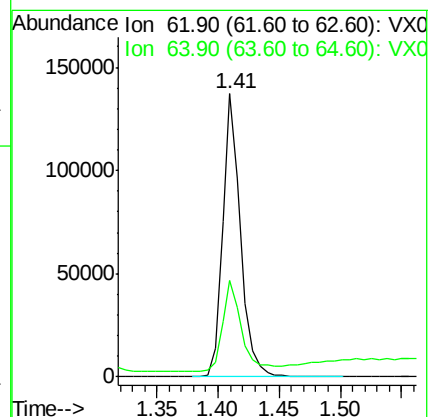
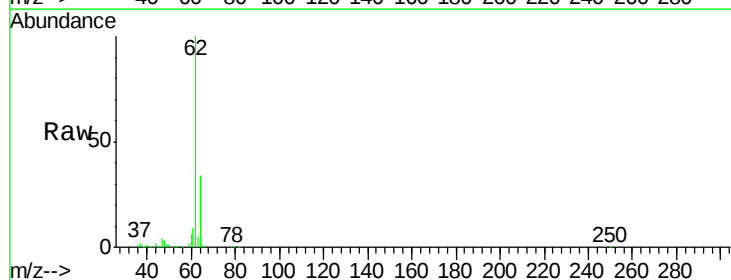
Acq: 01 Mar 2019 20:46

Tgt Ion: 62 Resp: 139558

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 38.354 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

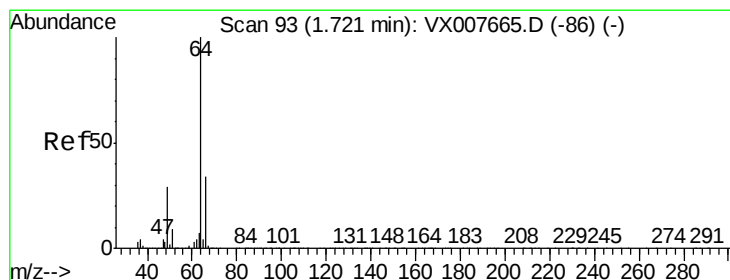
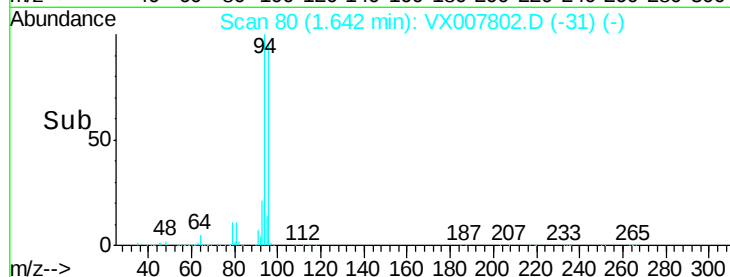
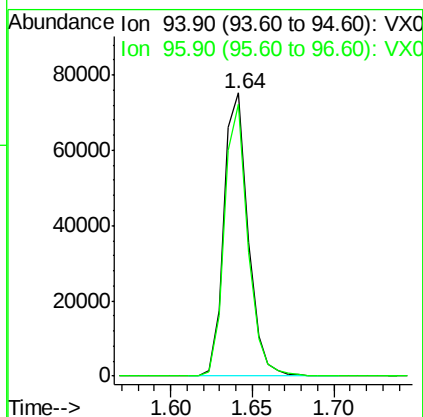
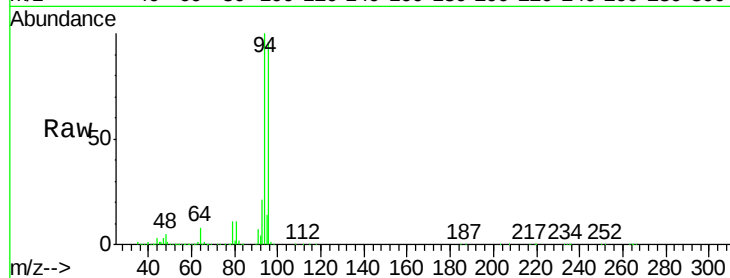
VSTDCCC050EC

Tot Ion: 94 Resp: 77763

Ion Ratio Lower Upper

94 100

96 96.1 73.9 110.9



#6

Chloroethane

Concen: 54.914 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007802.D

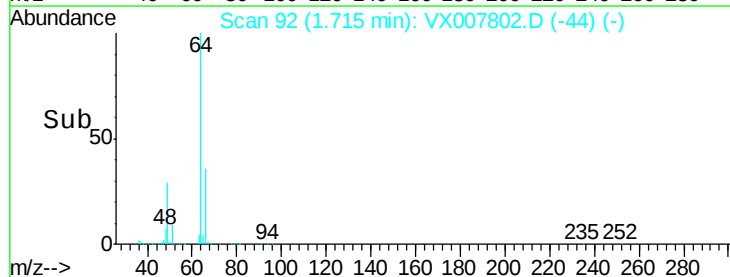
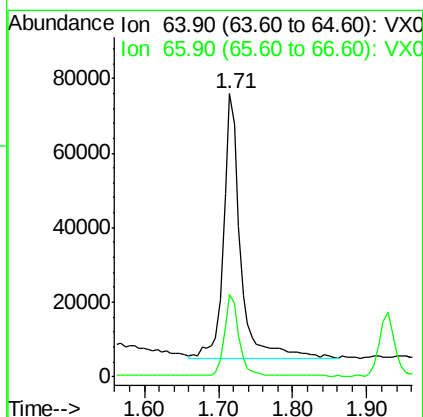
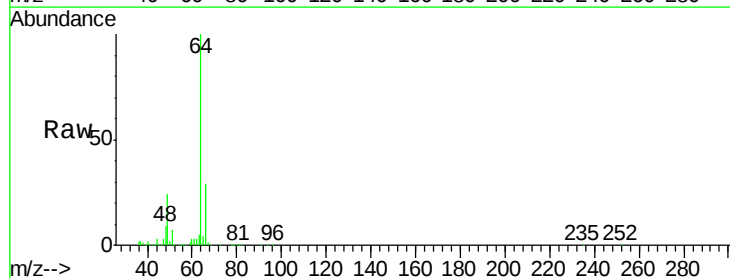
Acq: 01 Mar 2019 20:46

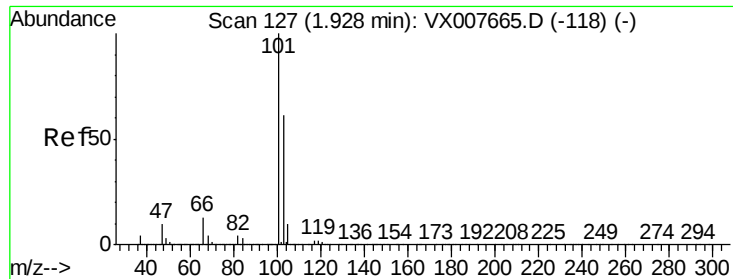
Tgt Ion: 64 Resp: 111874

Ion Ratio Lower Upper

64 100

66 30.5 25.5 38.3



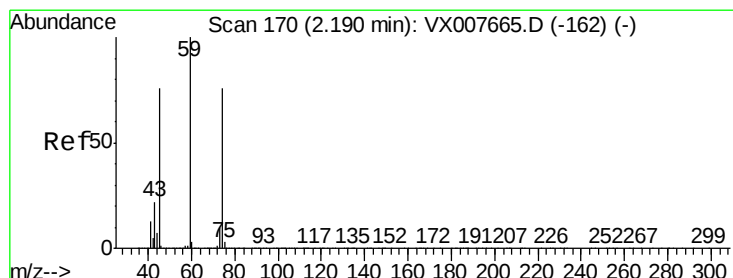
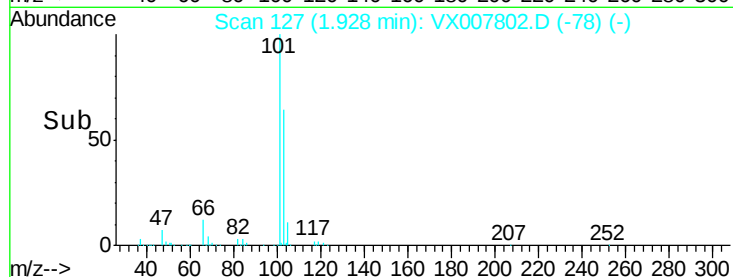
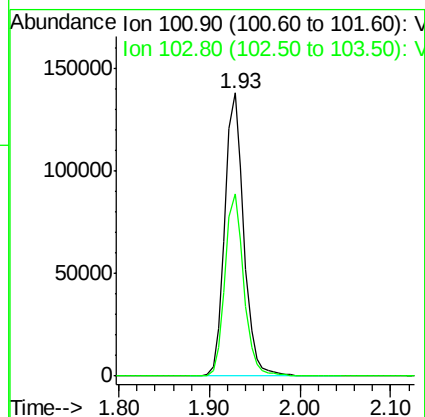
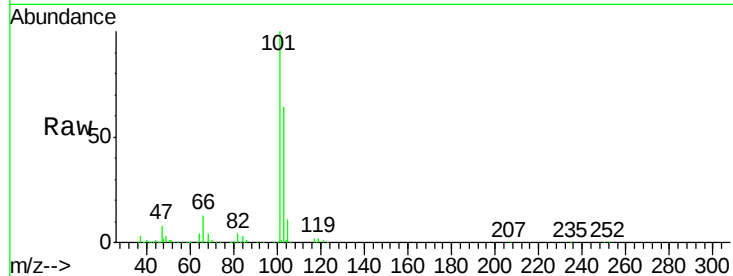


#7

Trichlorofluoromethane
Concen: 41.143 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

Instrument :
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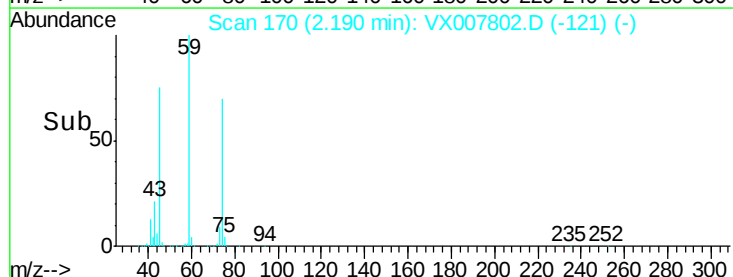
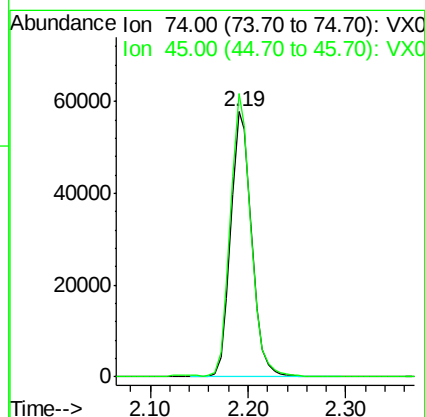
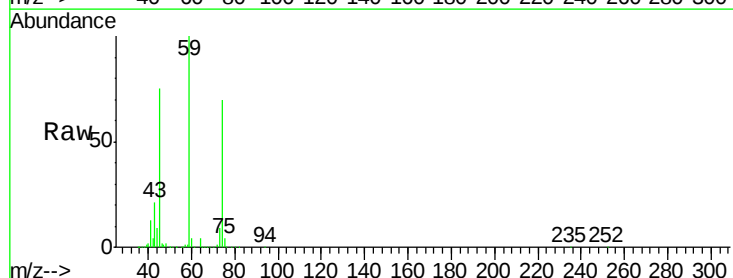
Tot Ion:101 Resp: 201124
Ion Ratio Lower Upper
101 100
103 64.4 52.6 79.0



#8

Diethyl Ether
Concen: 42.702 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

Tgt Ion: 74 Resp: 85670
Ion Ratio Lower Upper
74 100
45 104.4 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 39.568 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

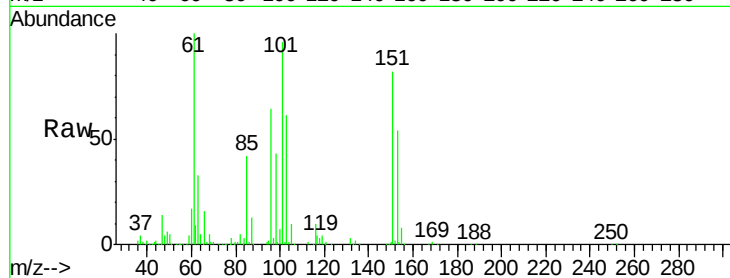
Tot Ion:101 Resp: 116908

Ion Ratio Lower Upper

101 100

85 43.8 34.1 51.1

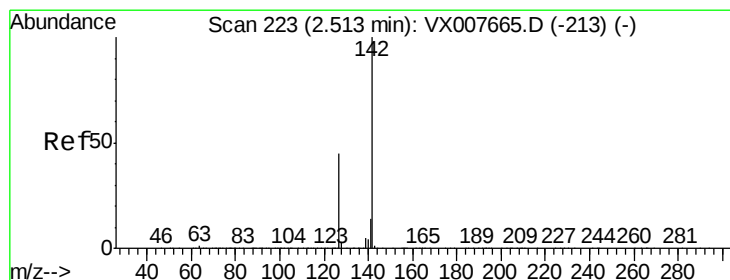
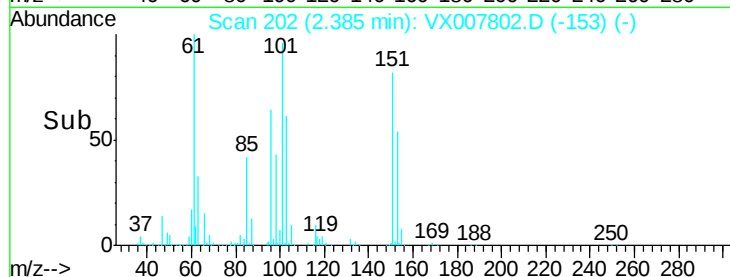
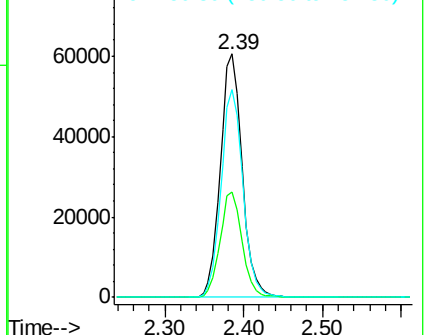
151 85.5 69.9 104.9



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: 44.383 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

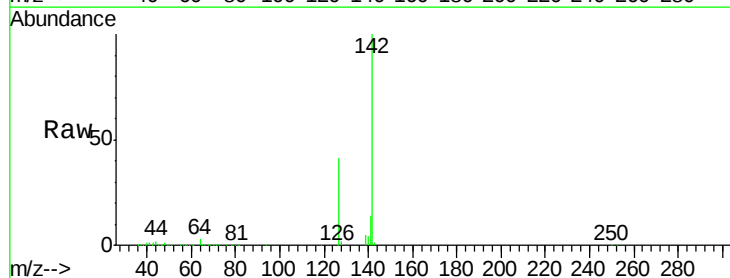
Tgt Ion:142 Resp: 163285

Ion Ratio Lower Upper

142 100

127 41.3 33.7 50.5

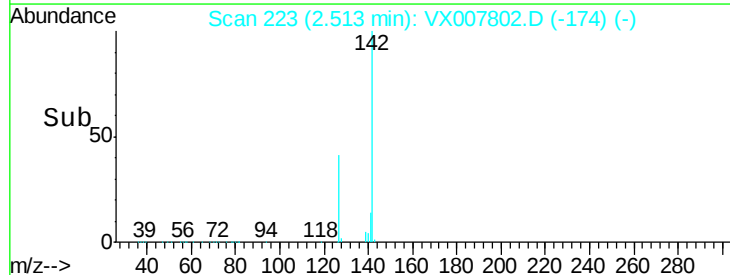
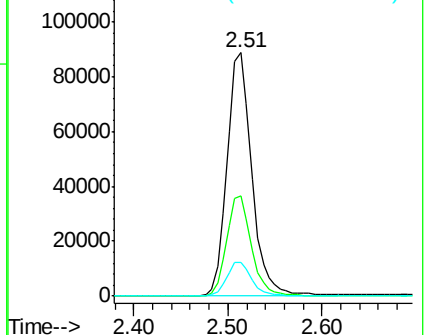
141 14.1 11.3 16.9

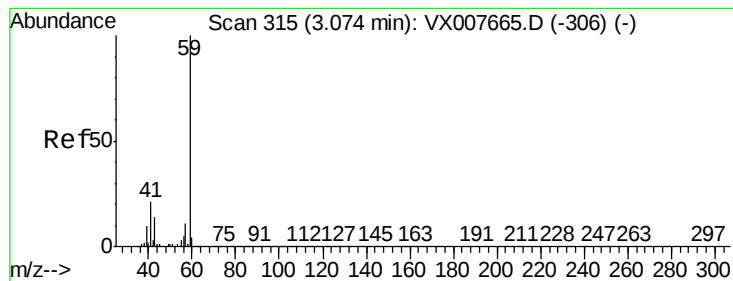


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



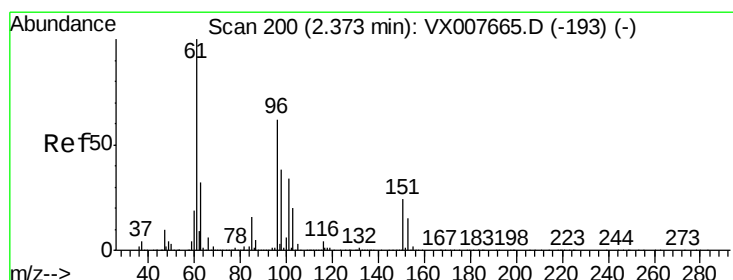
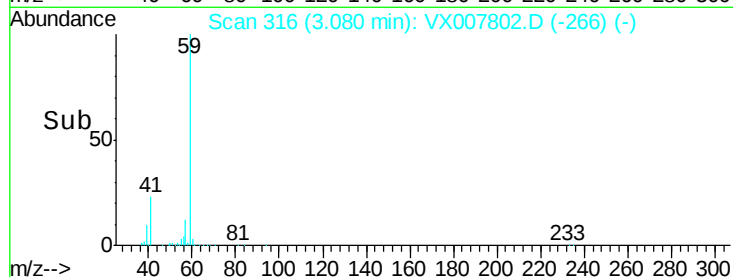
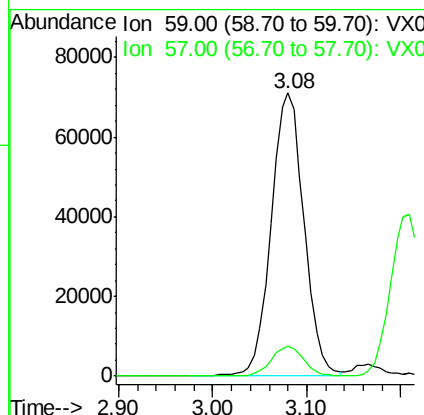
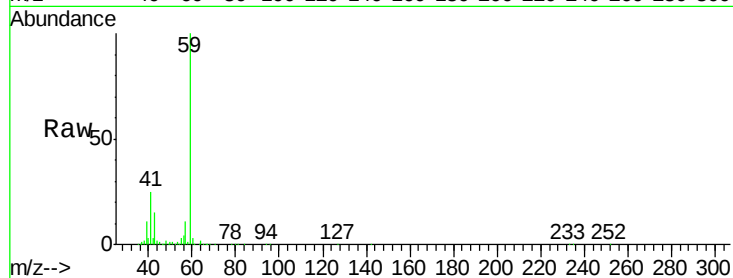


#11

Tert butyl alcohol
Concen: 241.281 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

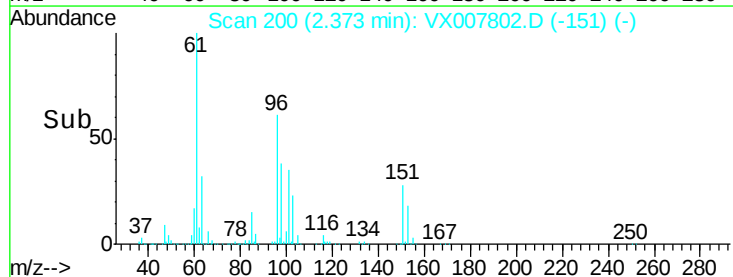
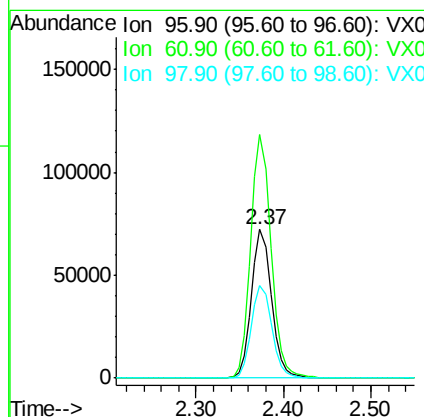
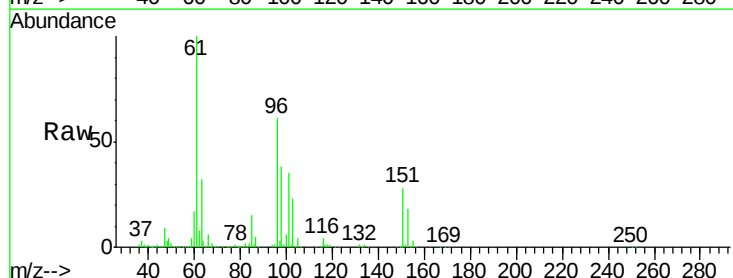
Tot Ion: 59 Resp: 172654
Ion Ratio Lower Upper
59 100
57 10.4 8.1 12.1

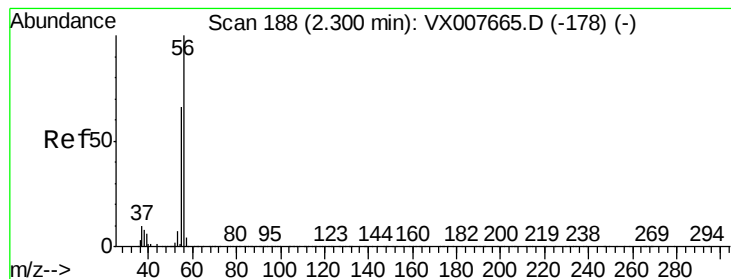


#12

1,1-Dichloroethene
Concen: 43.234 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

Tgt Ion: 96 Resp: 115144
Ion Ratio Lower Upper
96 100
61 164.0 123.0 184.4
98 62.3 50.9 76.3





#13

Acrolein

Concen: 154.820 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

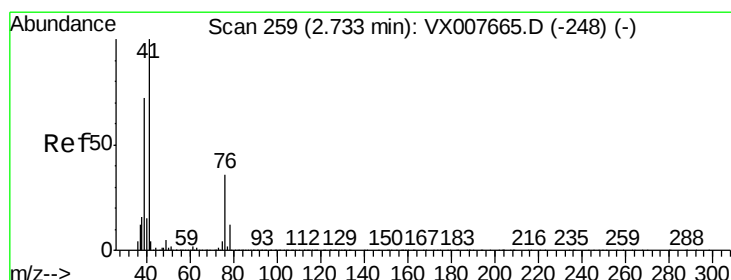
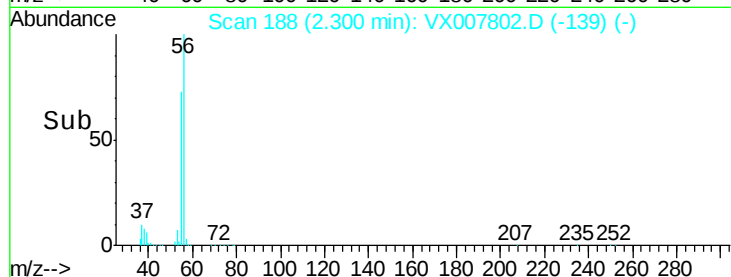
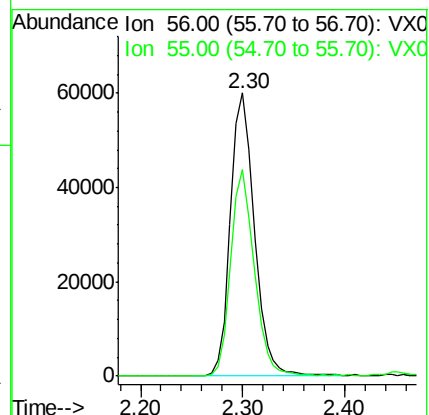
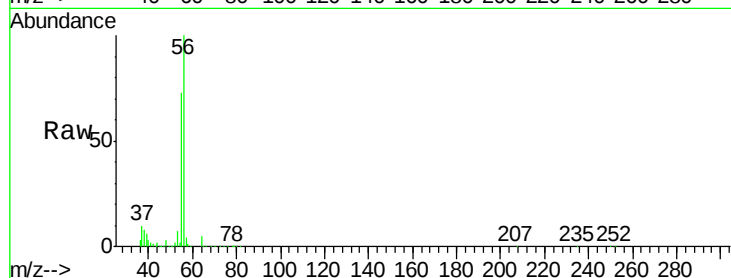
VSTDCCC050EC

Tot Ion: 56 Resp: 98445

Ion Ratio Lower Upper

56 100

55 71.1 56.9 85.3



#14

Allyl chloride

Concen: 49.990 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

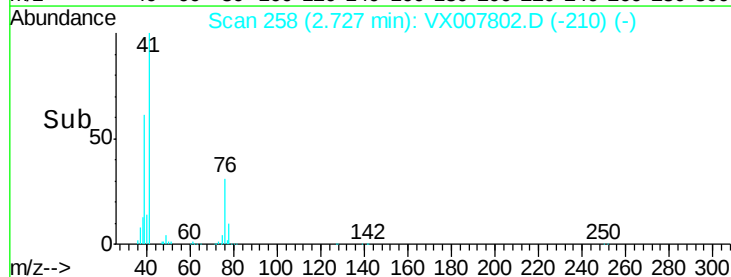
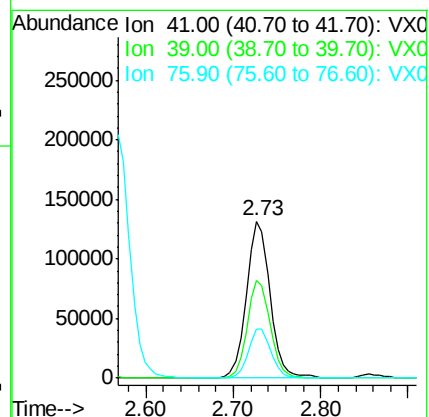
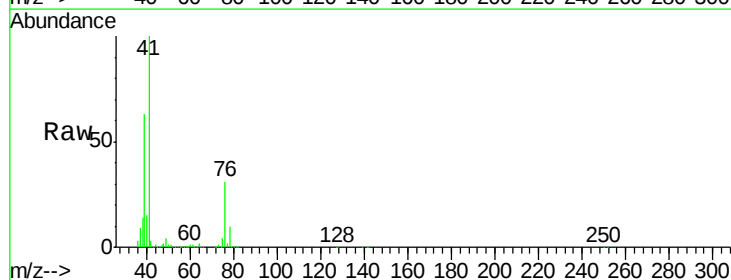
Tgt Ion: 41 Resp: 246173

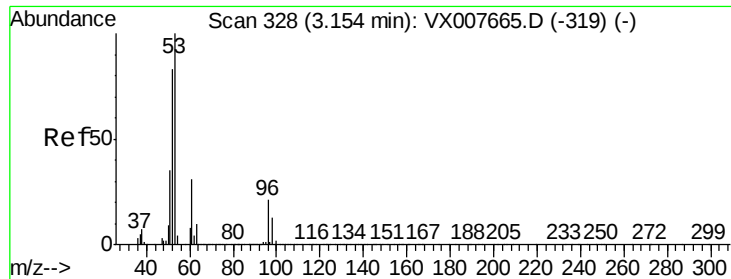
Ion Ratio Lower Upper

41 100

39 60.8 54.1 81.1

76 30.2 27.8 41.8





#15

Acrylonitrile

Concen: 241.929 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

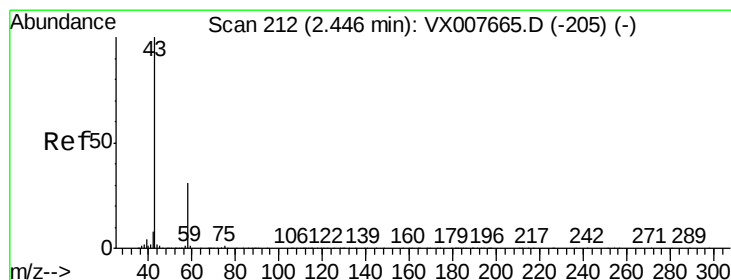
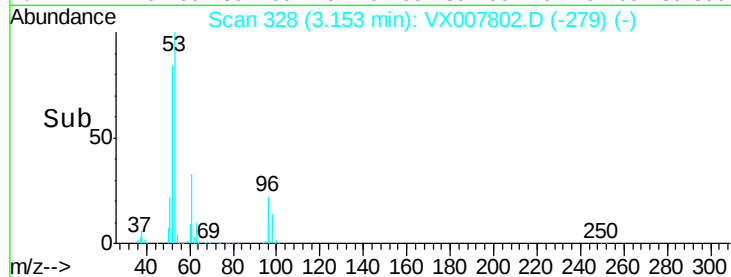
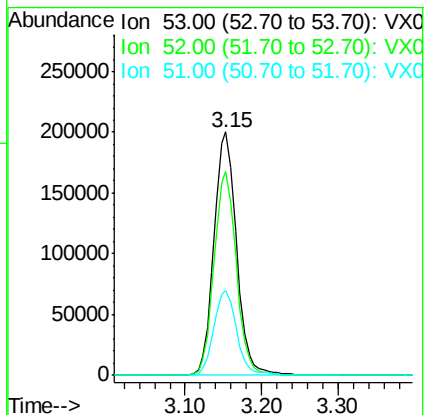
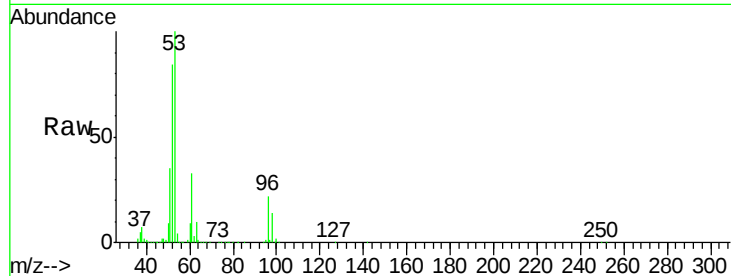
Tot Ion: 53 Resp: 407399

Ion Ratio Lower Upper

53 100

52 82.8 66.4 99.6

51 35.6 28.4 42.6



#16

Acetone

Concen: 212.917 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007802.D

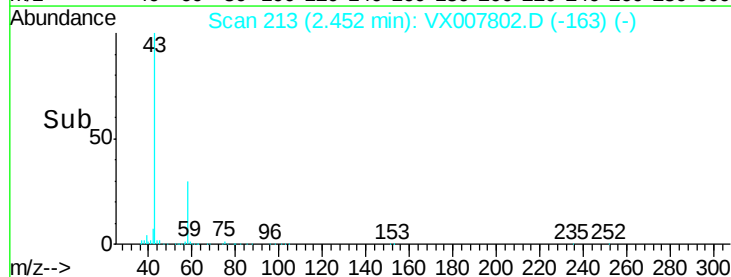
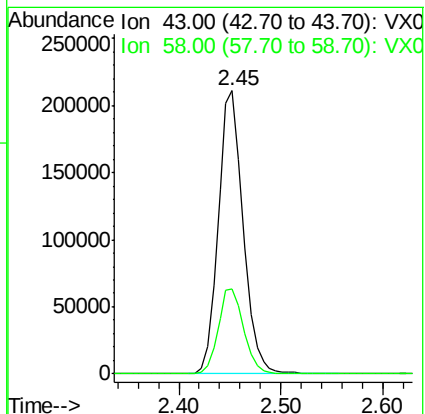
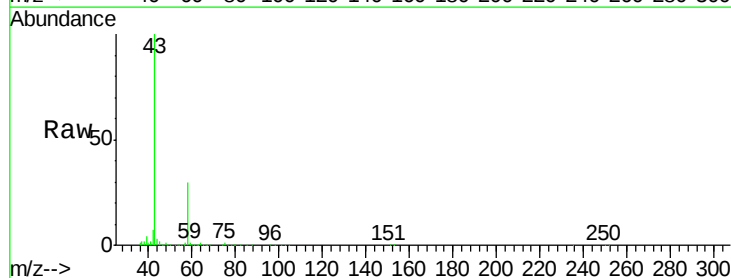
Acq: 01 Mar 2019 20:46

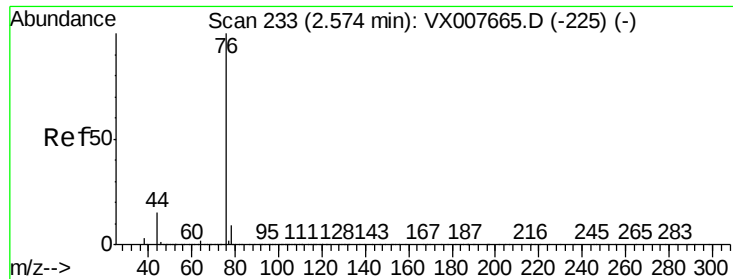
Tgt Ion: 43 Resp: 357095

Ion Ratio Lower Upper

43 100

58 30.1 24.9 37.3

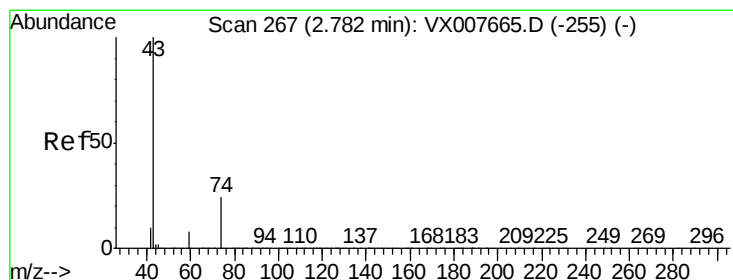
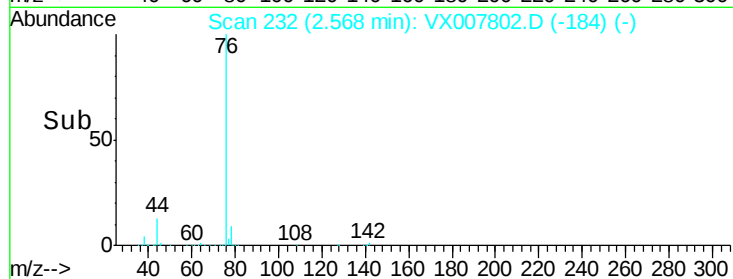
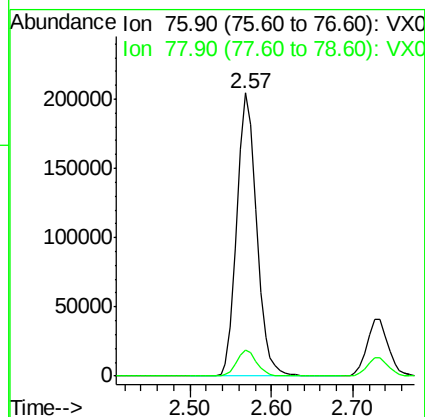
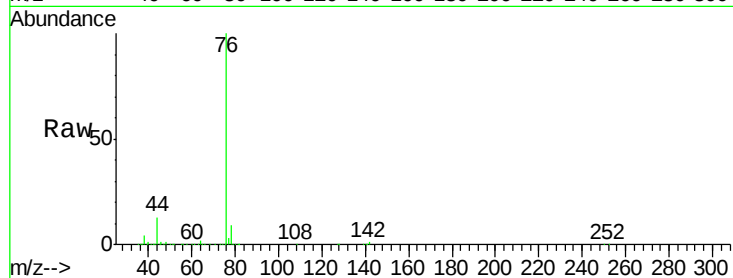




#17
Carbon Disulfide
Concen: 45.935 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

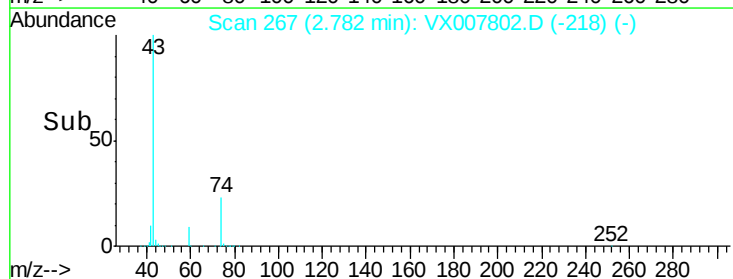
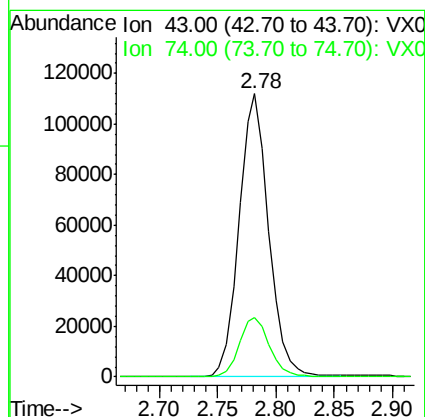
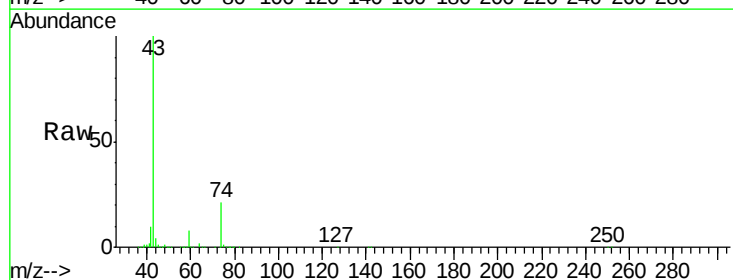
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

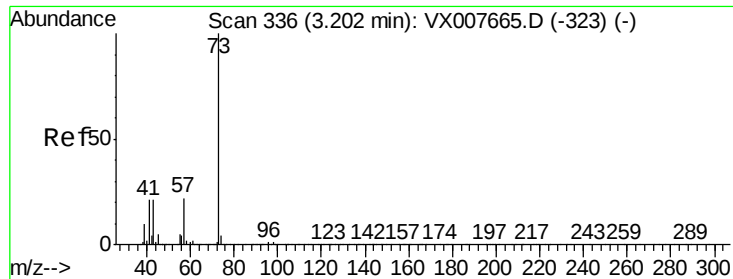
Tot Ion: 76 Resp: 340351
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 53.780 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

Tgt Ion: 43 Resp: 196820
Ion Ratio Lower Upper
43 100
74 21.7 19.4 29.2

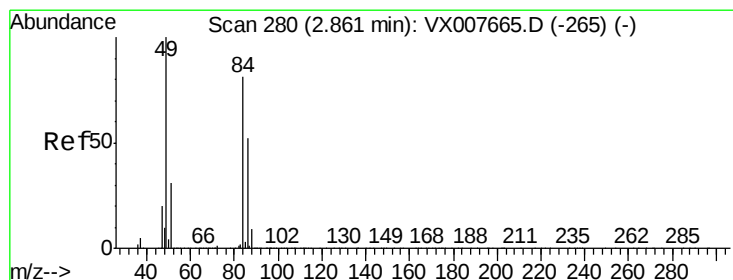
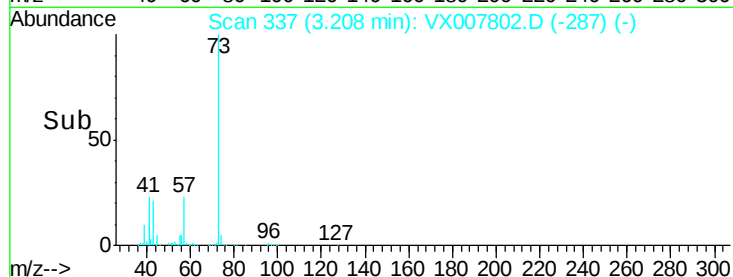
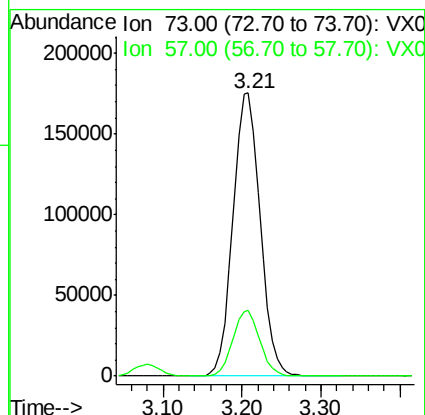
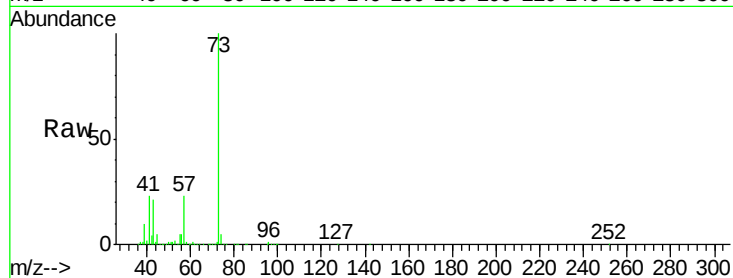




#19
Methvl tert-butvl Ether
Concen: 45.435 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

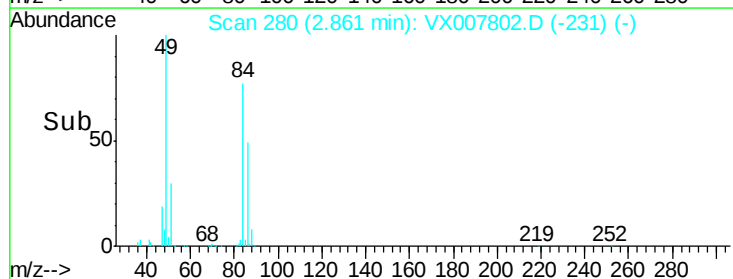
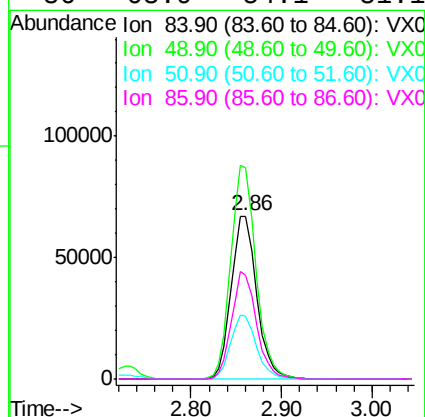
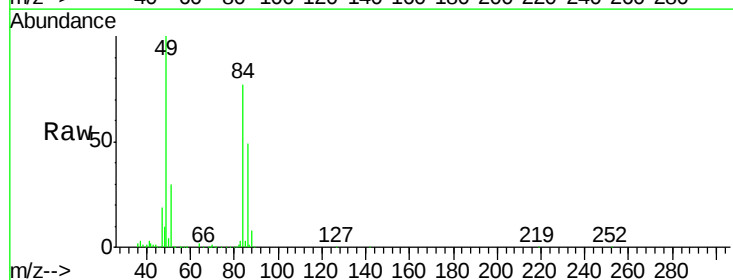
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 421384
Ion Ratio Lower Upper
73 100
57 23.0 17.8 26.8



#20
Methylene Chloride
Concen: 42.393 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

Tgt Ion: 84 Resp: 131287
Ion Ratio Lower Upper
84 100
49 129.4 94.8 142.2
51 38.7 29.8 44.8
86 63.9 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 42.786 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

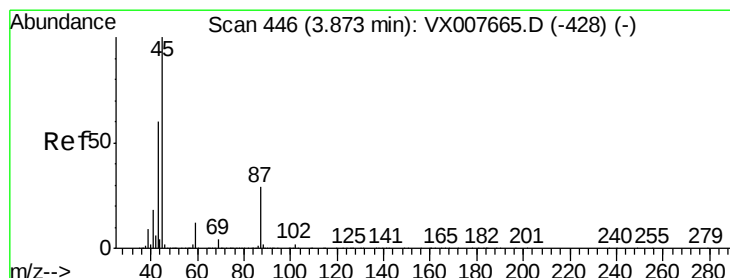
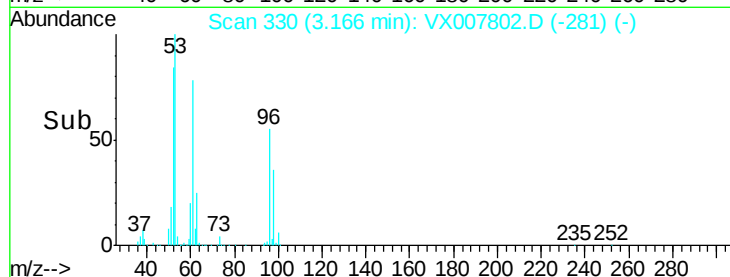
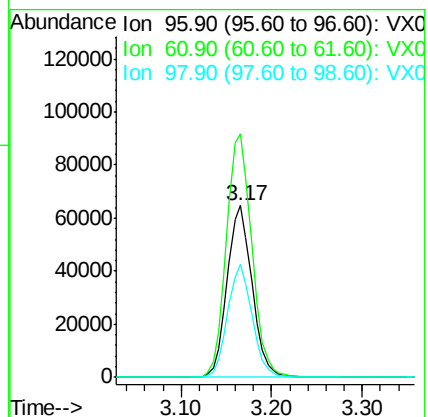
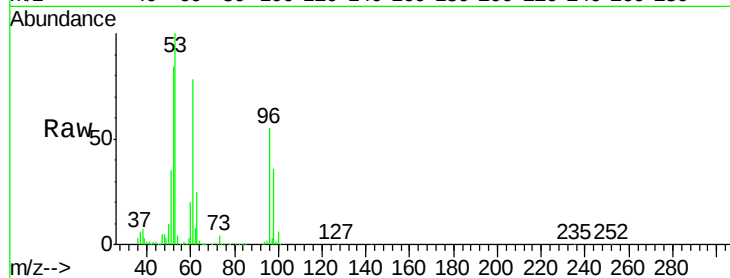
Tot Ion: 96 Resp: 123879

Ion Ratio Lower Upper

96 100

61 141.7 104.6 156.8

98 65.7 51.0 76.4



#22

Diisopropyl ether

Concen: 47.797 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Tgt Ion: 45 Resp: 489979

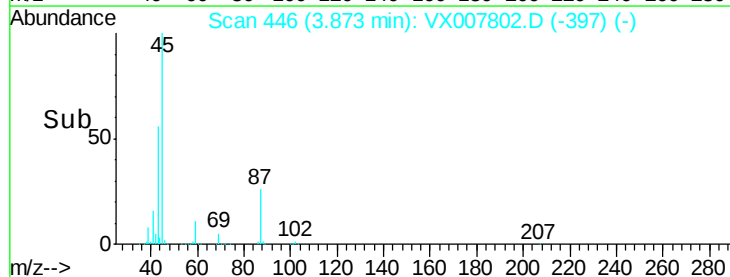
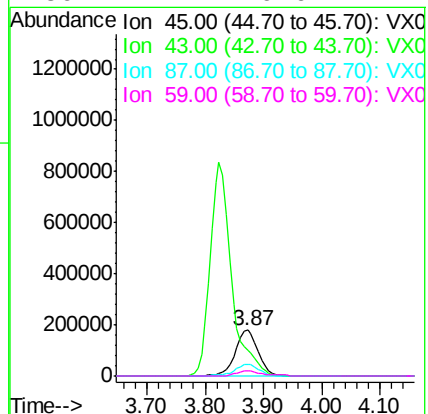
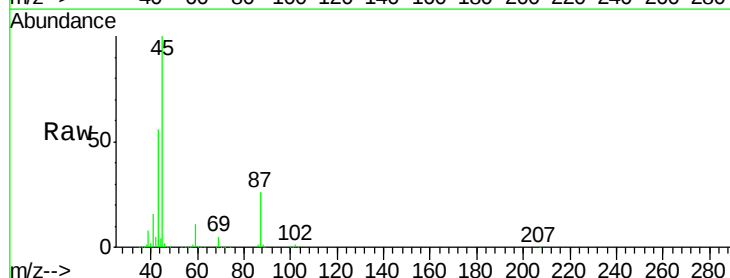
Ion Ratio Lower Upper

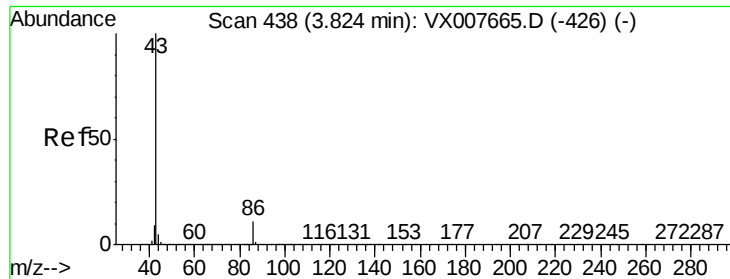
45 100

43 55.5 48.9 73.3

87 26.3 23.9 35.9

59 11.2 9.6 14.4





#23

Vinyl Acetate

Concen: 237.183 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

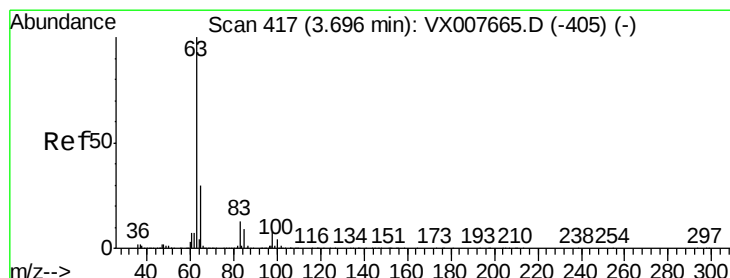
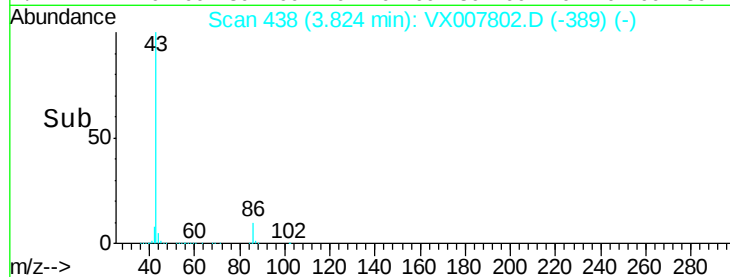
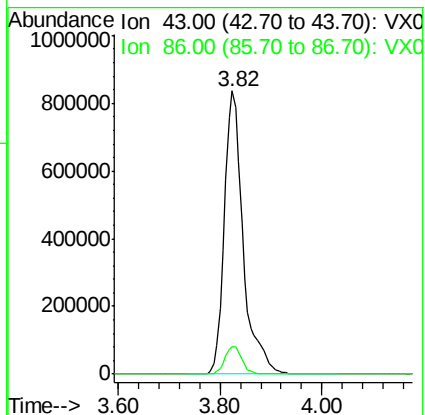
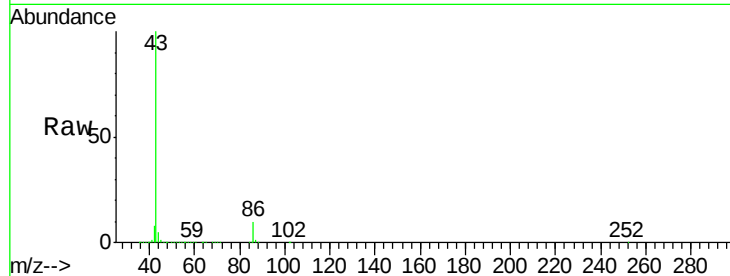
VSTDCCC050EC

Tot Ion: 43 Resp: 2133227

Ion Ratio Lower Upper

43 100

86 9.7 8.7 13.1



#24

1,1-Dichloroethane

Concen: 46.686 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

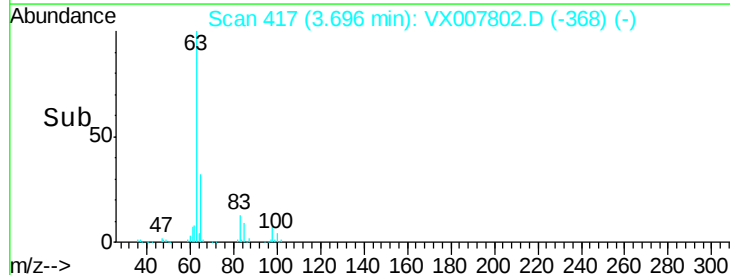
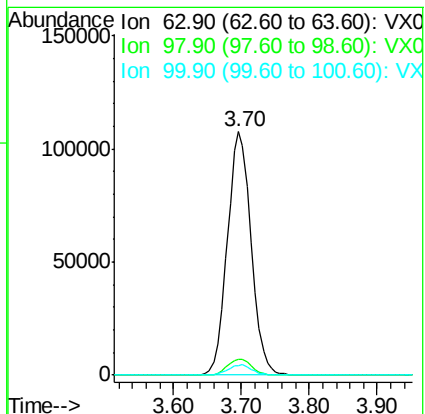
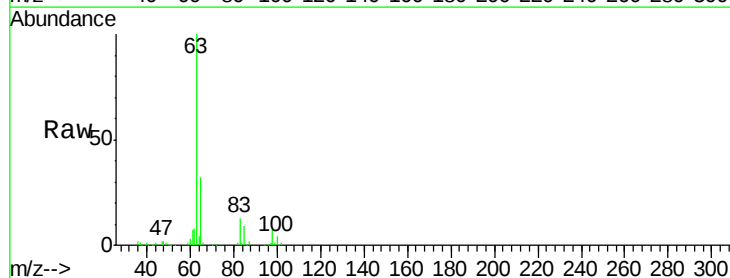
Tgt Ion: 63 Resp: 260101

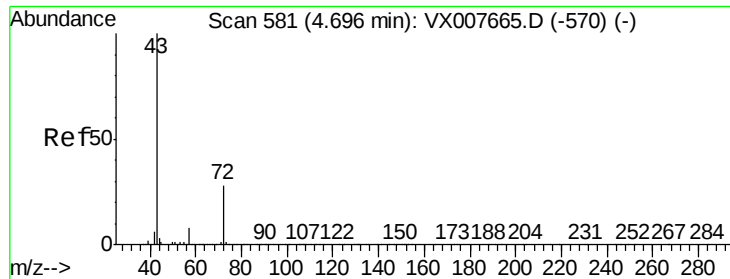
Ion Ratio Lower Upper

63 100

98 6.7 3.6 10.8

100 4.1 2.5 7.4

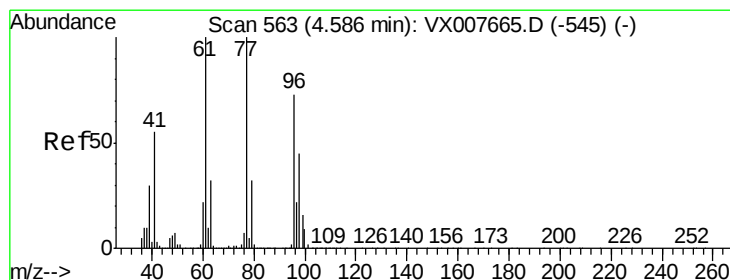
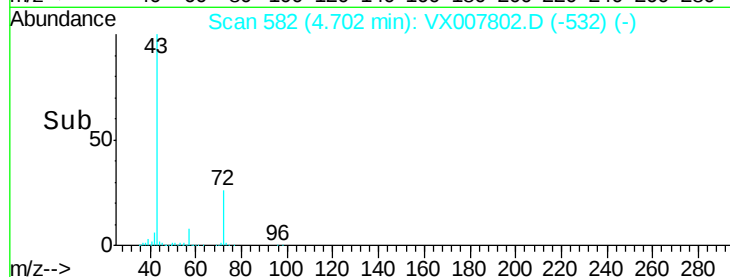
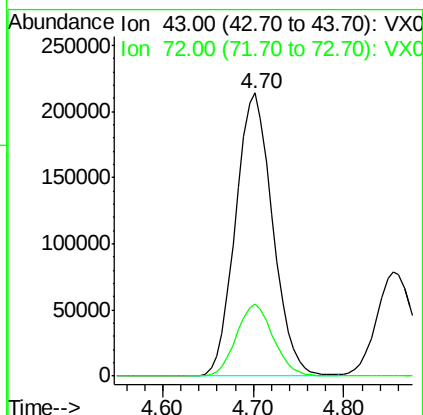
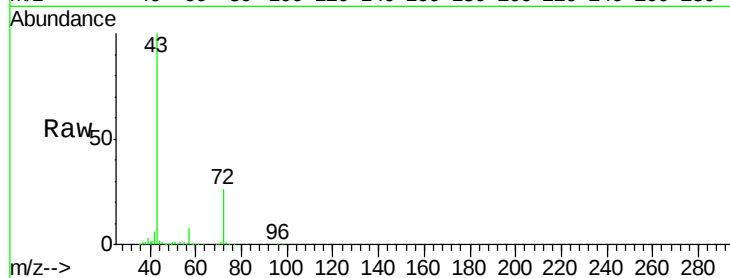




#25
2-Butanone
Concen: 237.505 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

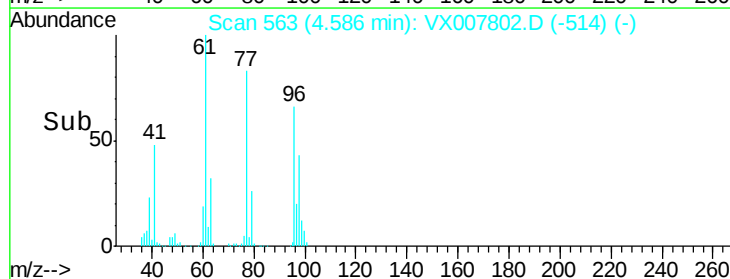
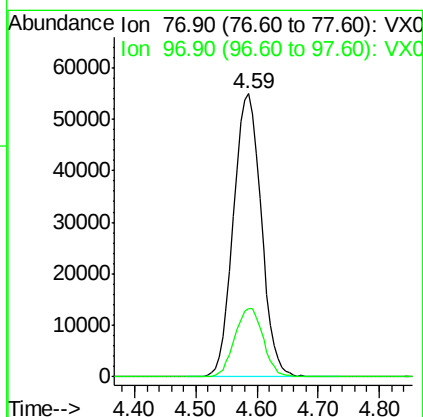
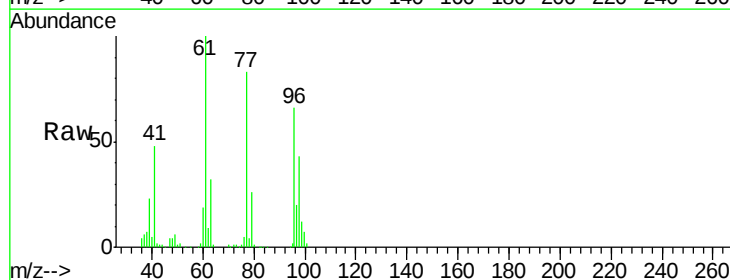
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

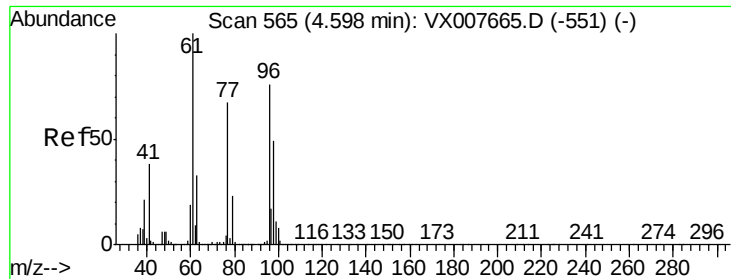
Tot Ion: 43 Resp: 606766
Ion Ratio Lower Upper
43 100
72 25.6 22.2 33.2



#26
2,2-Dichloropropane
Concen: 38.846 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

Tgt Ion: 77 Resp: 172760
Ion Ratio Lower Upper
77 100
97 24.7 12.1 36.3



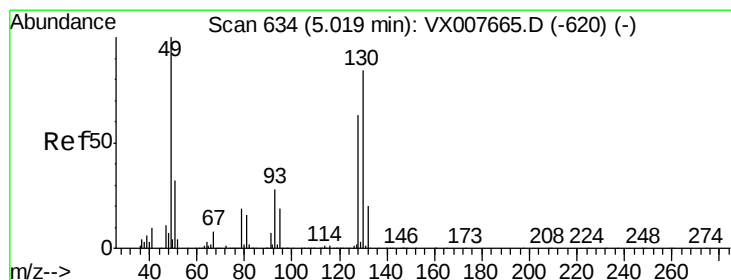
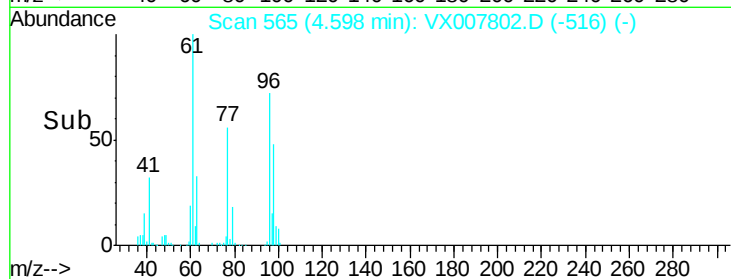
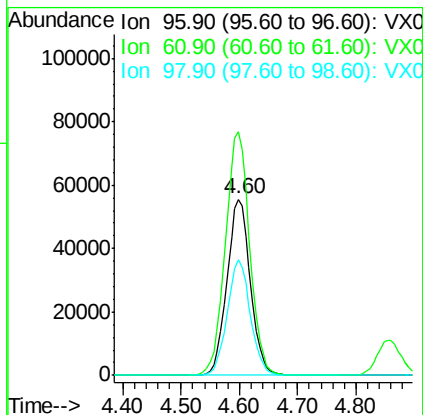
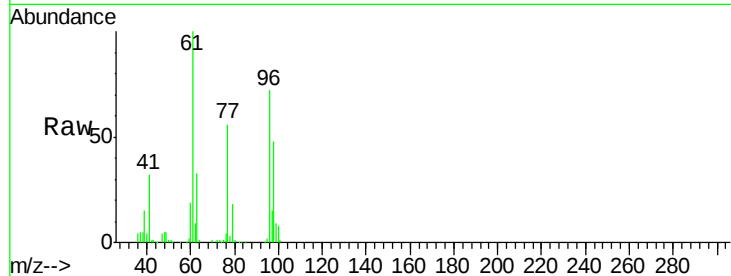


#27

cis-1,2-Dichloroethene
 Concen: 42.037 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX007802.D
 Acq: 01 Mar 2019 20:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

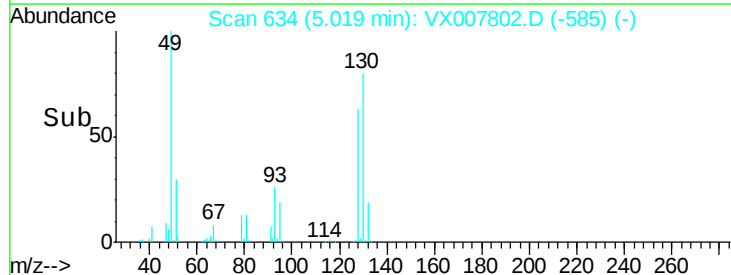
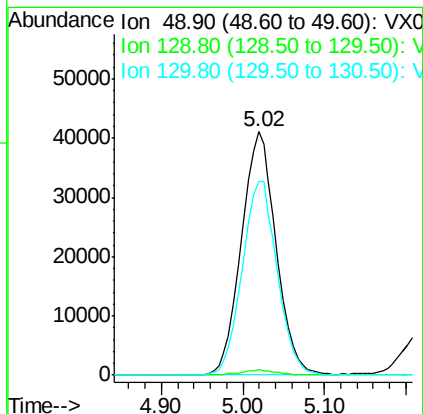
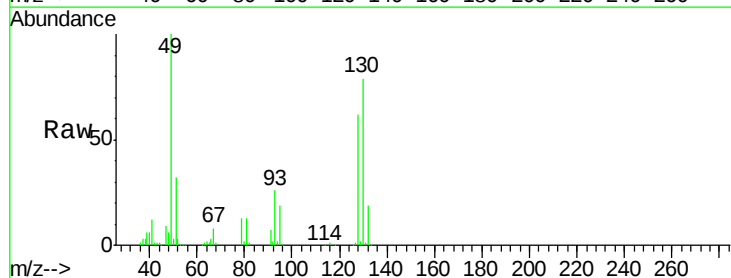
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	265.6
98	64.8	0.0	131.6

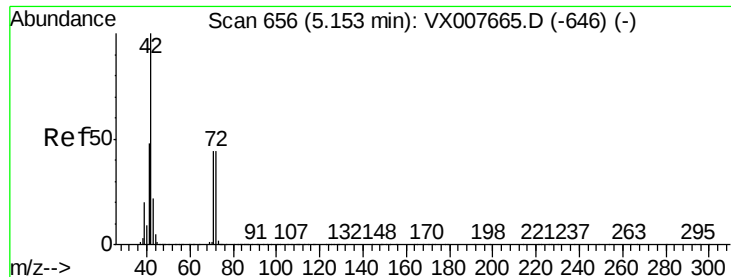


#28

Bromochloromethane
 Concen: 44.788 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX007802.D
 Acq: 01 Mar 2019 20:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.6
130	80.2	75.6	113.4





#29

Tetrahydrofuran

Concen: 241.101 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

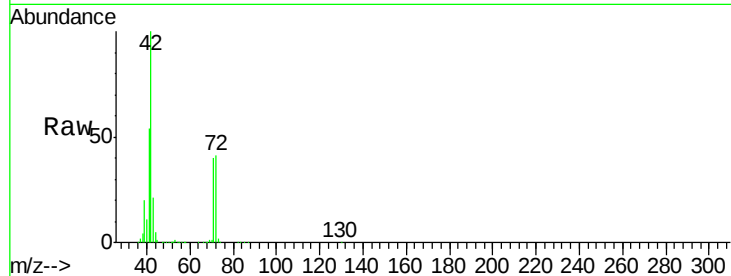
Tot Ion: 42 Resp: 406020

Ion Ratio Lower Upper

42 100

72 42.0 37.6 56.4

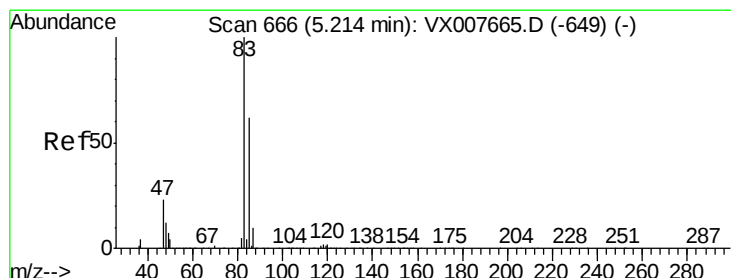
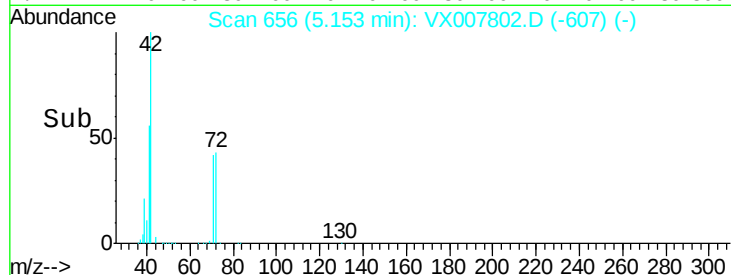
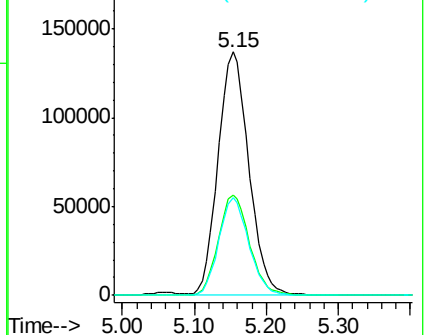
71 39.3 34.6 51.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 41.943 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX007802.D

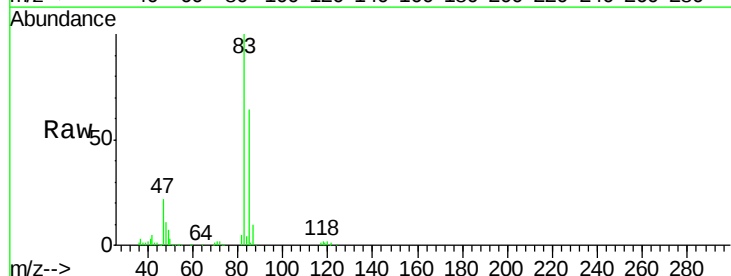
Acq: 01 Mar 2019 20:46

Tgt Ion: 83 Resp: 250309

Ion Ratio Lower Upper

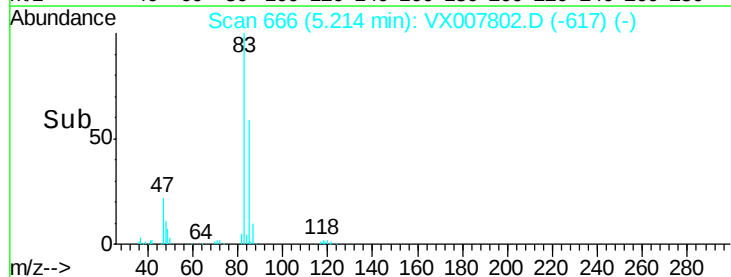
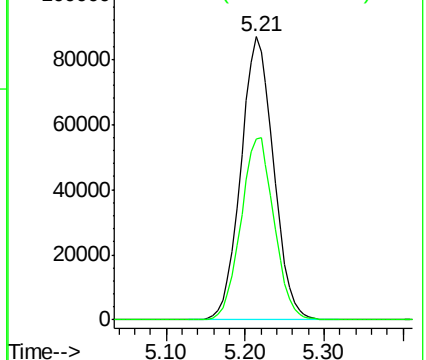
83 100

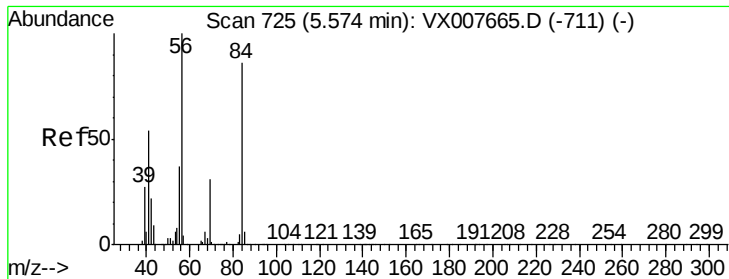
85 64.1 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

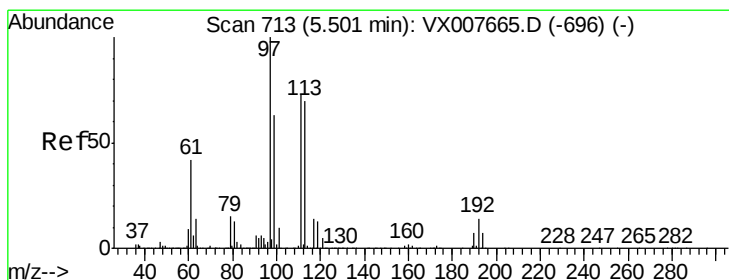
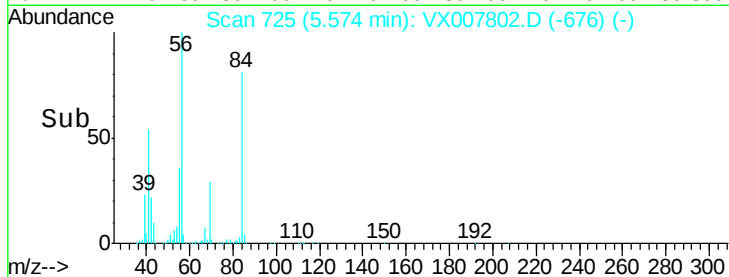
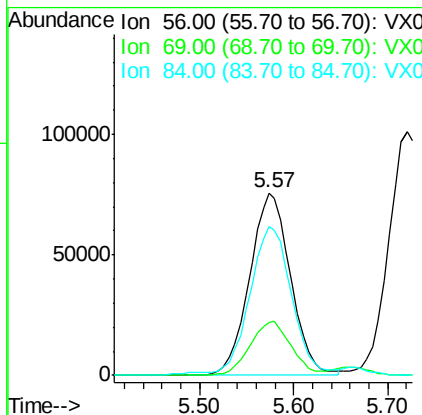
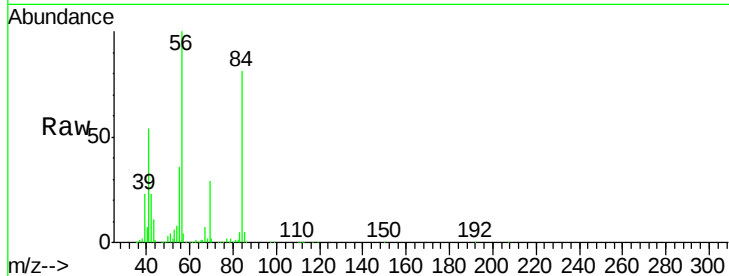




#31
Cyclohexane
Concen: 43.824 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

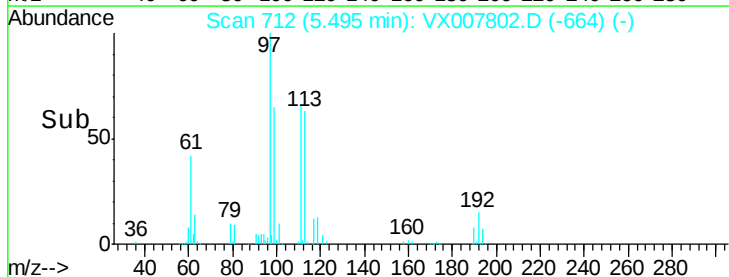
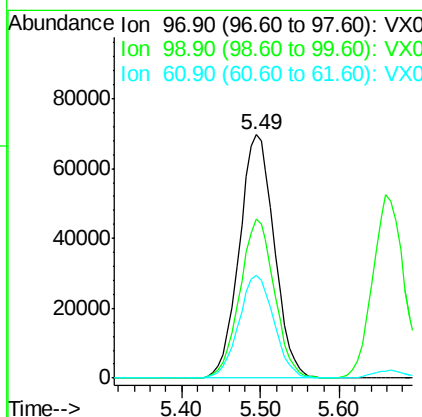
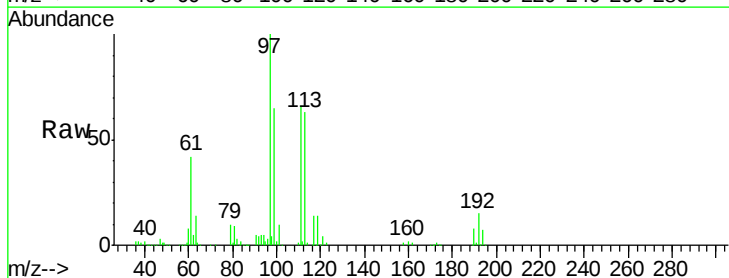
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

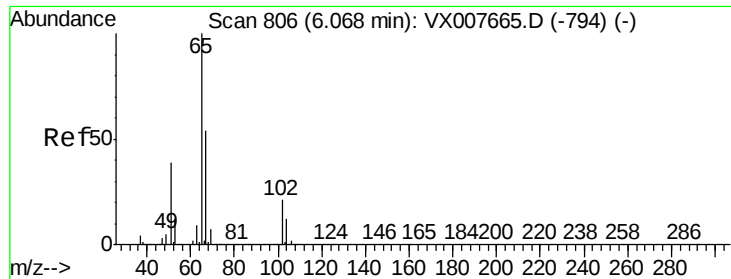
Tot Ion: 56 Resp: 229667
Ion Ratio Lower Upper
56 100
69 29.0 23.0 34.6
84 80.0 69.8 104.6



#32
1,1,1-Trichloroethane
Concen: 43.460 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

Tgt Ion: 97 Resp: 214500
Ion Ratio Lower Upper
97 100
99 64.5 52.2 78.2
61 42.6 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 42.288 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

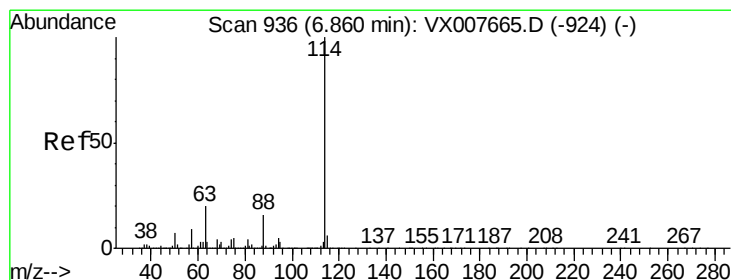
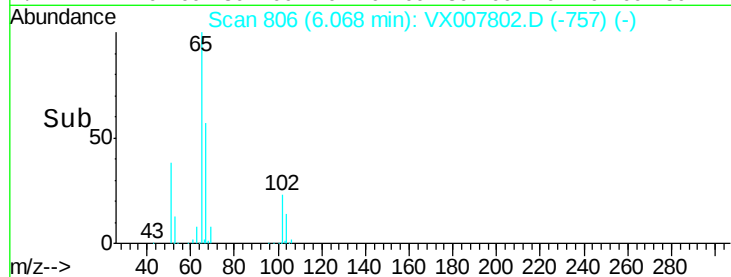
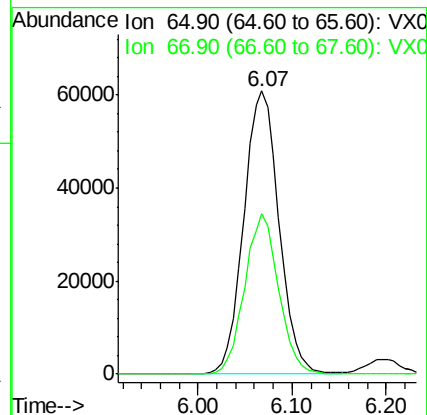
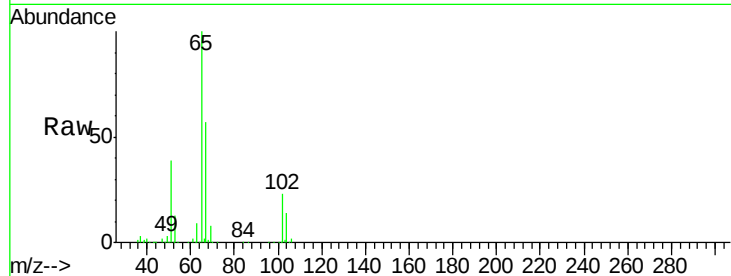
VSTDCCC050EC

Tot Ion: 65 Resp: 159487

Ion Ratio Lower Upper

65 100

67 54.4 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: VX007802.D

Acq: 01 Mar 2019 20:46

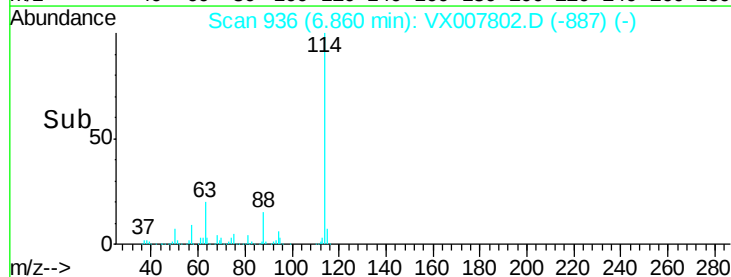
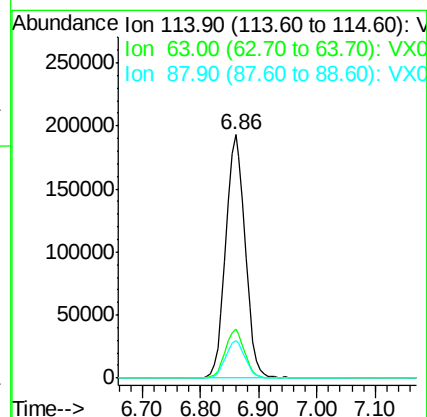
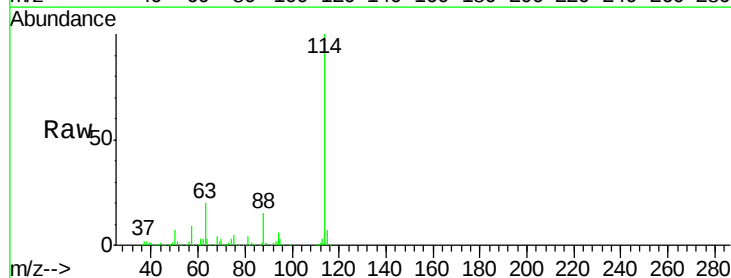
Tgt Ion: 114 Resp: 447786

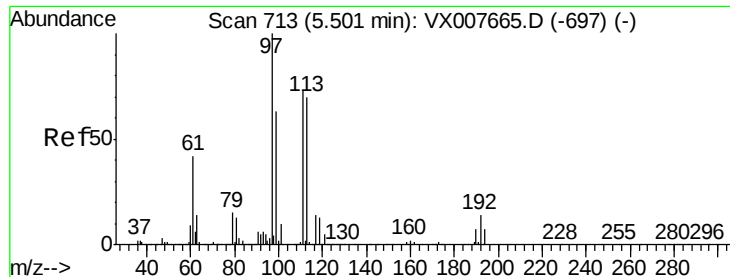
Ion Ratio Lower Upper

114 100

63 20.2 0.0 35.6

88 15.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 46.363 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

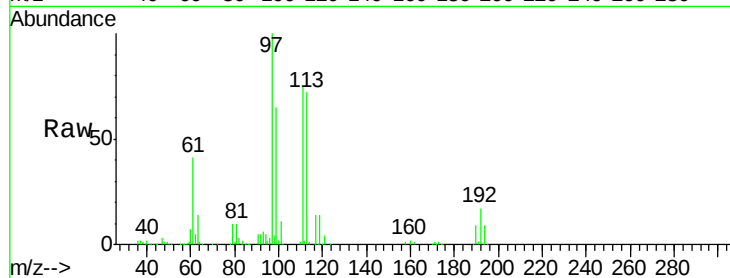
Tot Ion:113 Resp: 138779

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

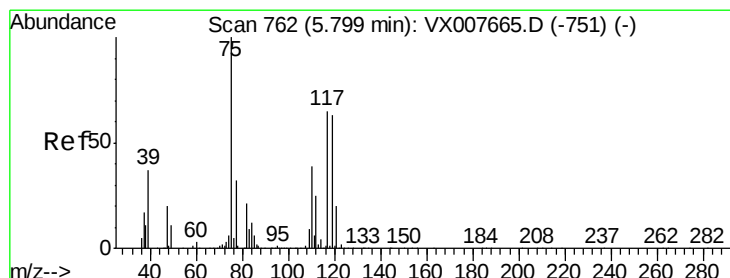
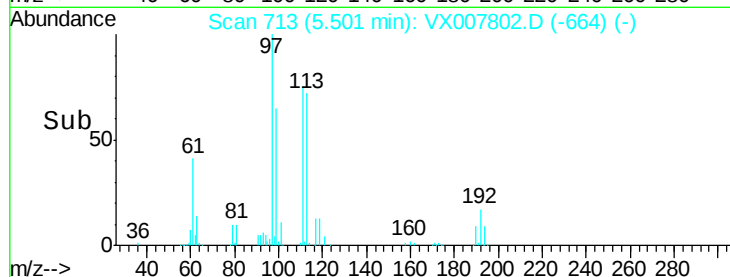
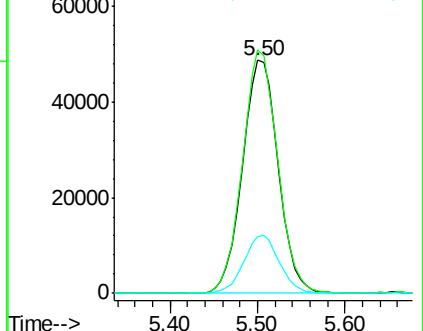
192 24.6 18.5 27.7



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: 46.106 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

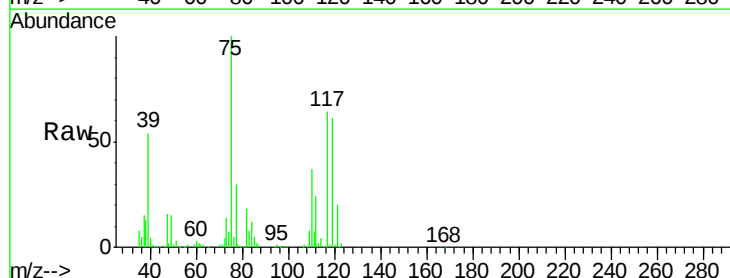
Tgt Ion: 75 Resp: 185613

Ion Ratio Lower Upper

75 100

110 37.0 20.0 59.9

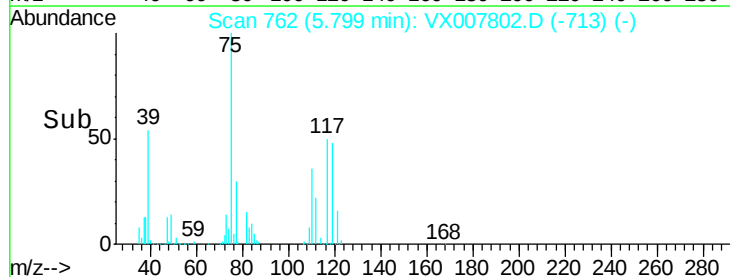
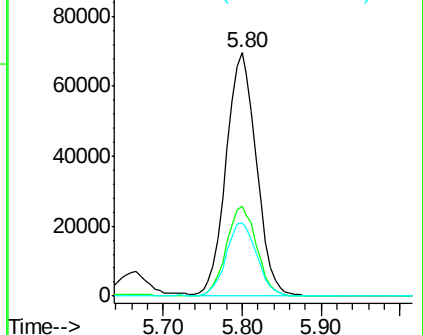
77 30.9 24.7 37.1



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

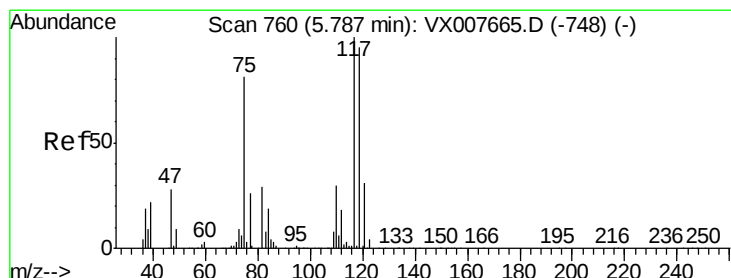
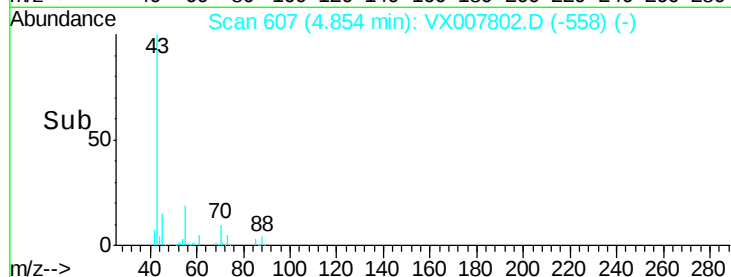
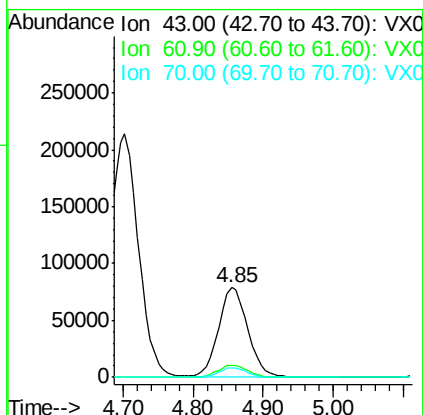
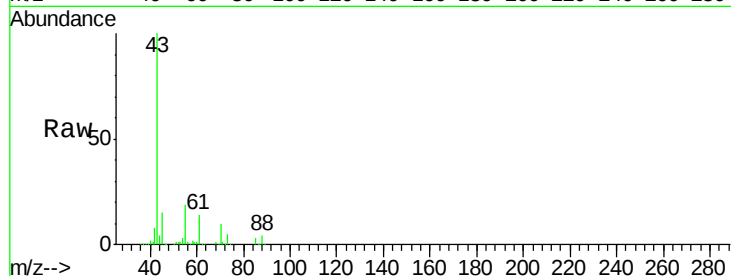




#37
Ethyl Acetate
Concen: 51.057 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

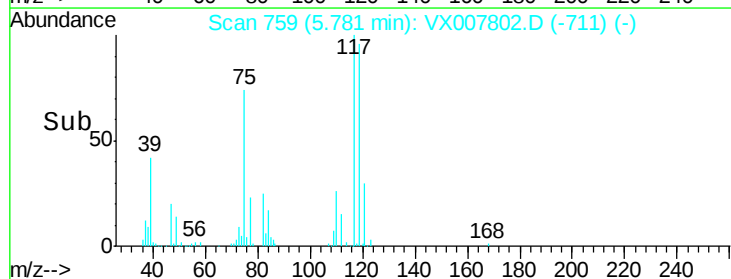
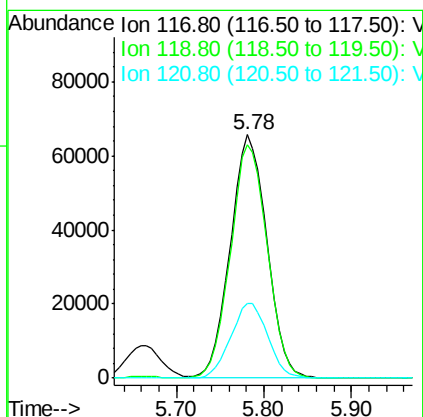
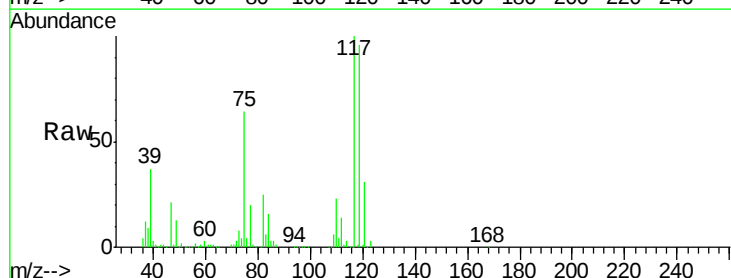
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 228324
Ion Ratio Lower Upper
43 100
61 14.3 11.3 16.9
70 10.5 8.6 13.0



#38
Carbon Tetrachloride
Concen: 47.162 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

Tgt Ion: 117 Resp: 190719
Ion Ratio Lower Upper
117 100
119 95.9 75.3 112.9
121 30.5 25.0 37.4

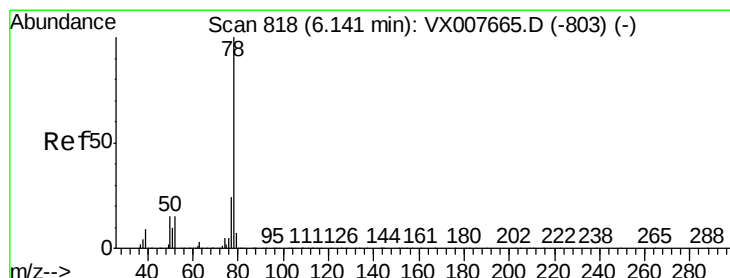
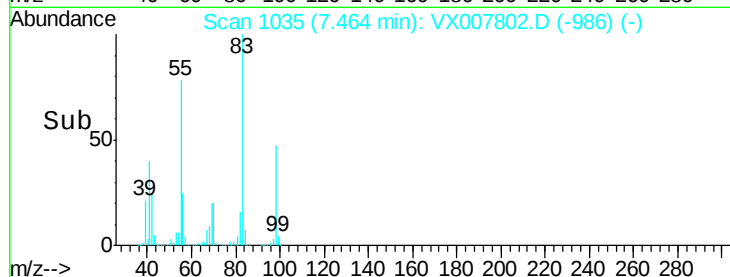
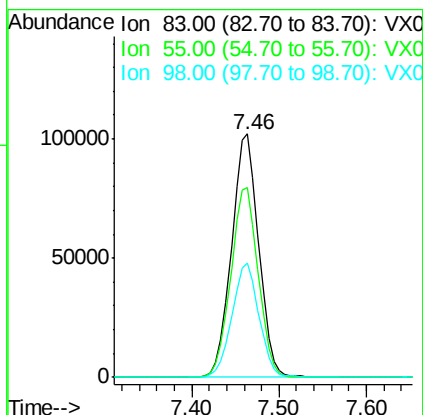
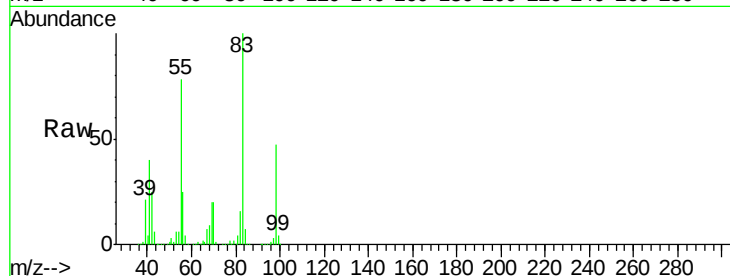




#39
Methvlcvclohexane
Concen: 43.212 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

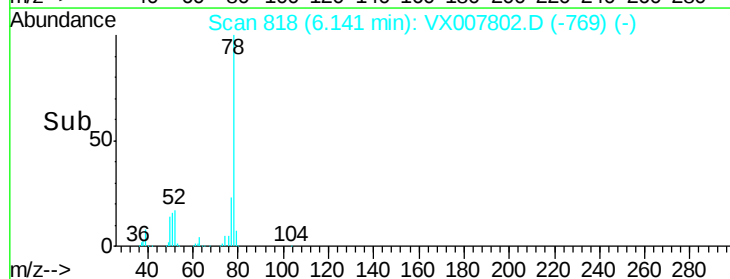
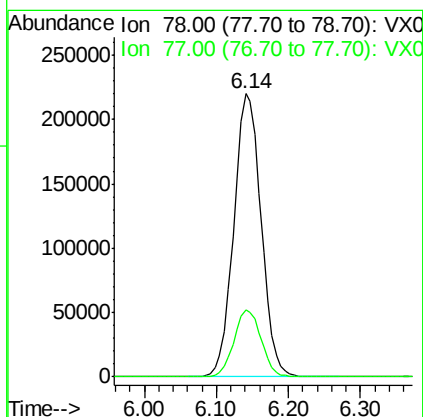
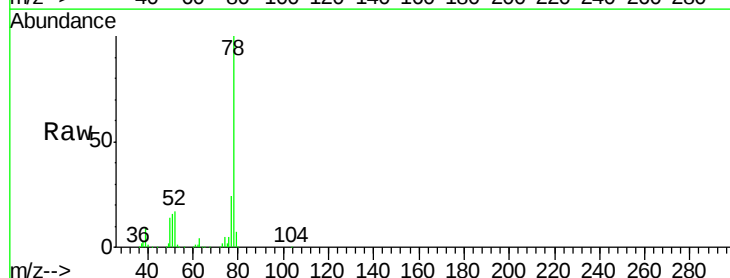
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

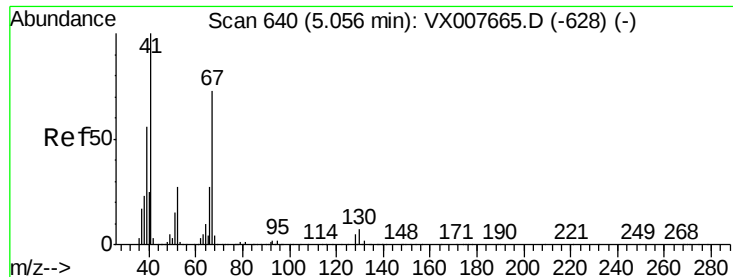
Tot Ion: 83 Resp: 219862
Ion Ratio Lower Upper
83 100
55 77.7 56.2 84.2
98 46.7 36.8 55.2



#40
Benzene
Concen: 46.587 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

Tgt Ion: 78 Resp: 578946
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9





#41

Methacrylonitrile

Concen: 54.096 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 129179

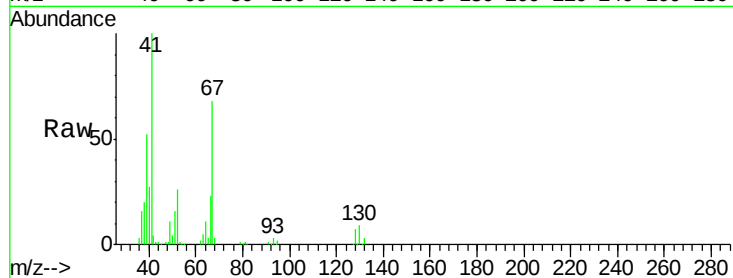
Ion Ratio Lower Upper

41 100

39 53.3 44.5 66.7

67 68.4 60.4 90.6

52 26.8 24.1 36.1

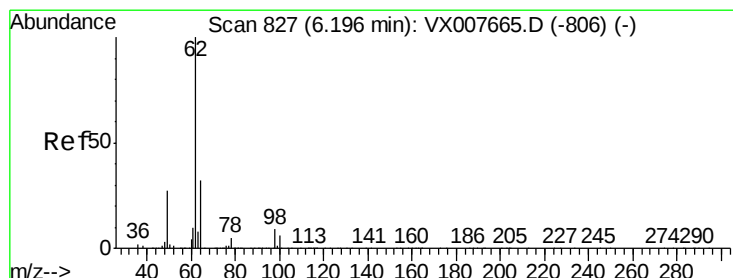
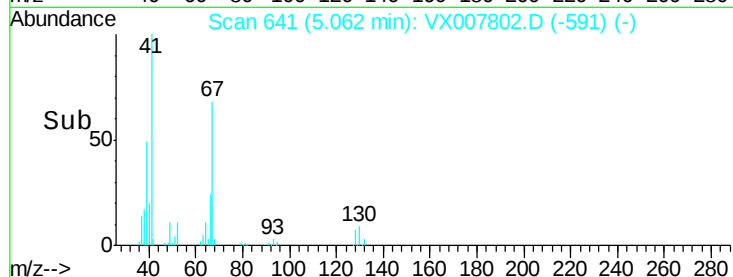
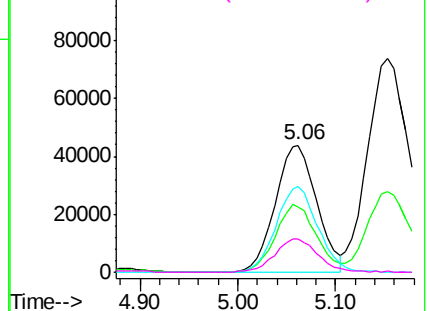


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 46.202 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX007802.D

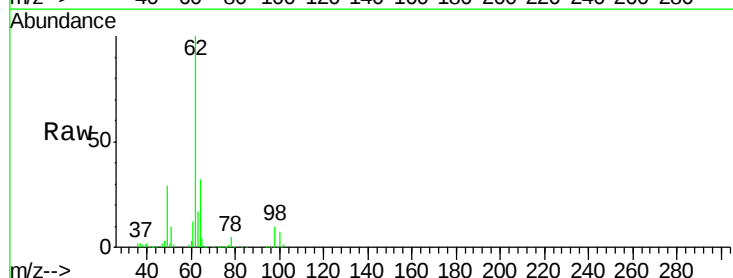
Acq: 01 Mar 2019 20:46

Tgt Ion: 62 Resp: 192982

Ion Ratio Lower Upper

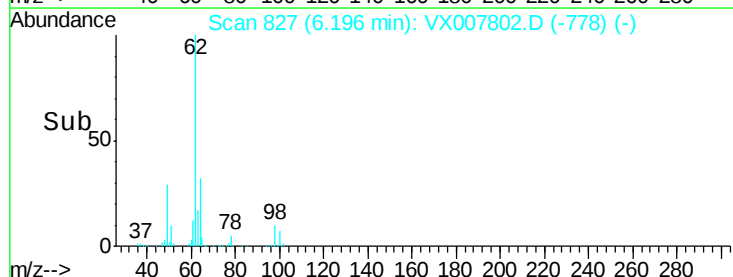
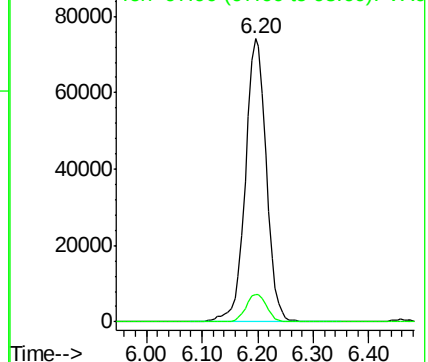
62 100

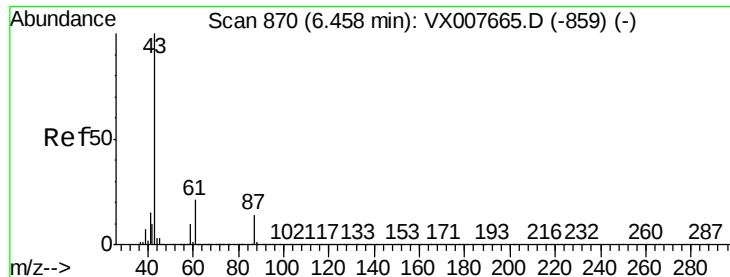
98 9.8 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



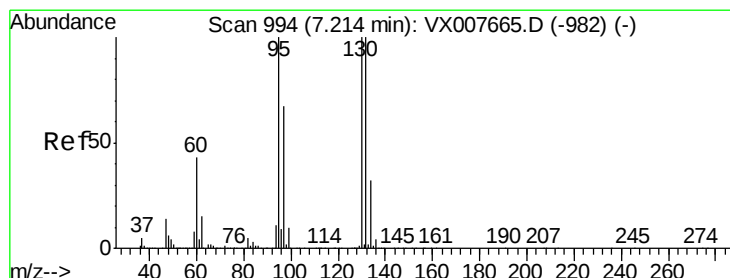
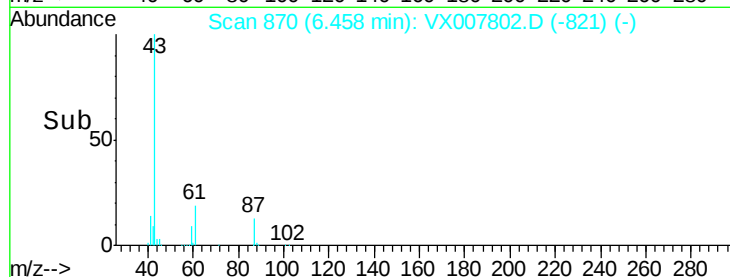
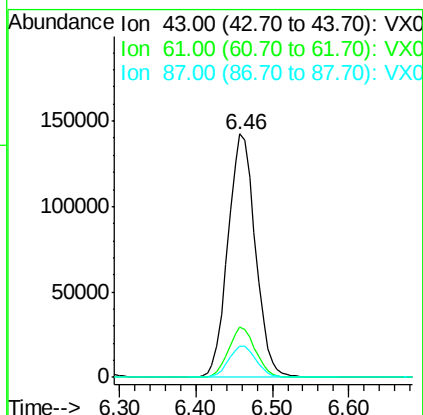
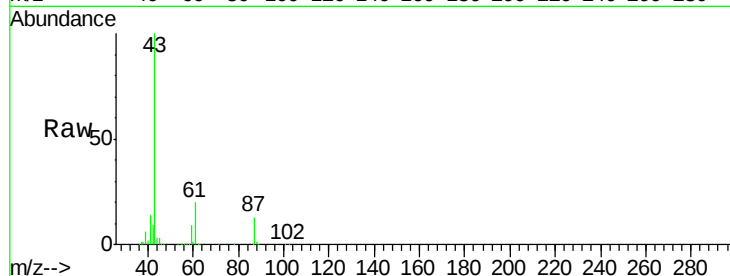


#43

Isopropyl Acetate
 Concen: 51.217 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007802.D
 Acq: 01 Mar 2019 20:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

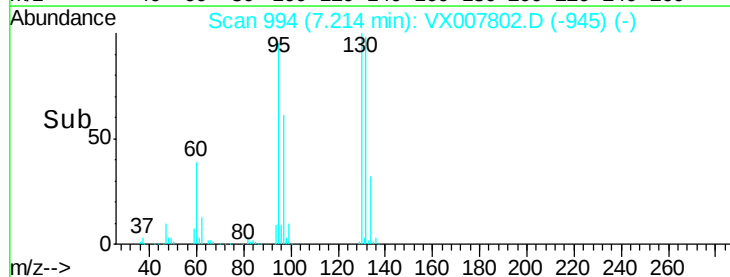
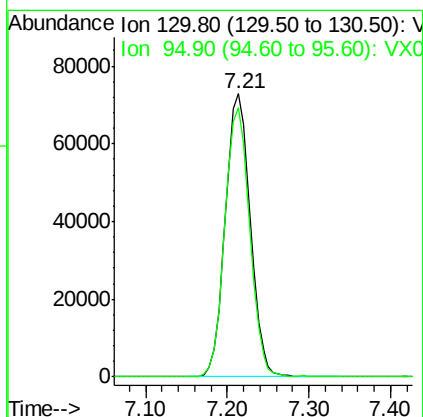
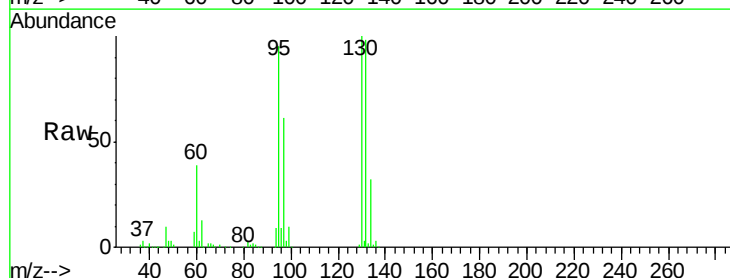
Tot Ion	43	Resp	352508
Ion Ratio	Lower	Upper	
43	100		
61	20.2	16.1	24.1
87	13.0	11.5	17.3

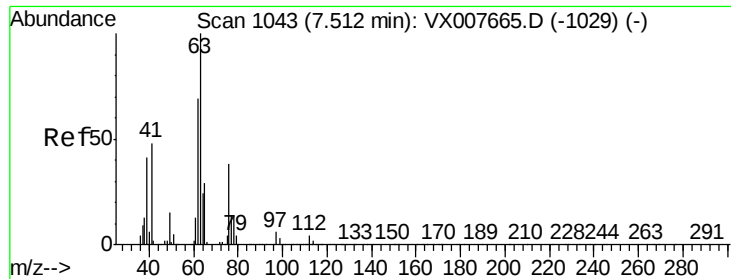


#44

Trichloroethene
 Concen: 45.052 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007802.D
 Acq: 01 Mar 2019 20:46

Tgt Ion	130	Resp	154016
Ion Ratio	Lower	Upper	
130	100		
95	95.1	0.0	180.0





#45

1,2-Dichloropropane

Concen: 48.428 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

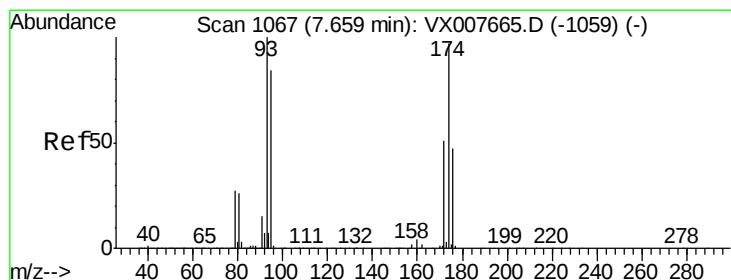
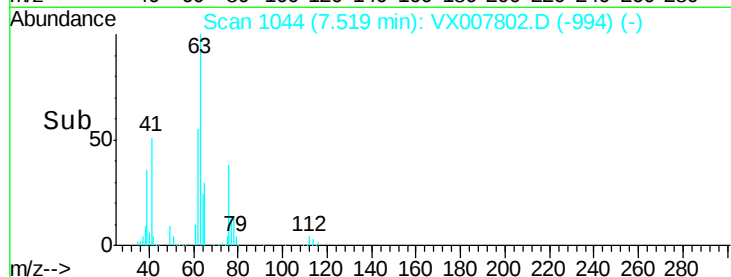
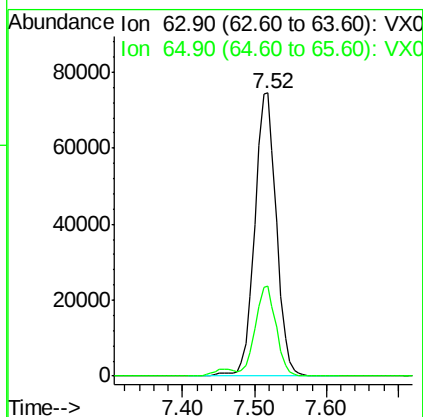
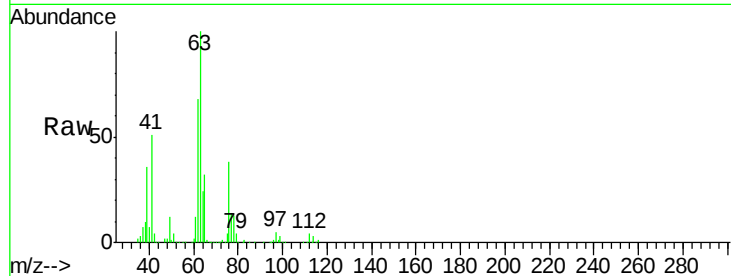
VSTDCCC050EC

Tot Ion: 63 Resp: 155898

Ion Ratio Lower Upper

63 100

65 31.8 24.2 36.2



#46

Dibromomethane

Concen: 43.469 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

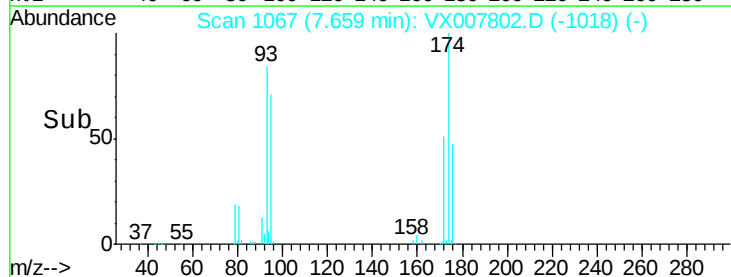
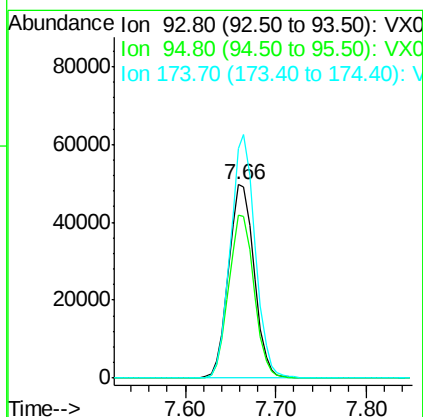
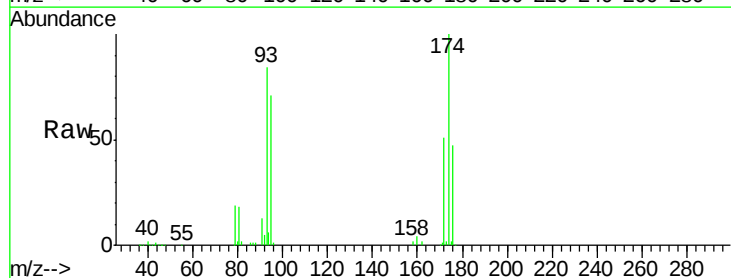
Tgt Ion: 93 Resp: 97623

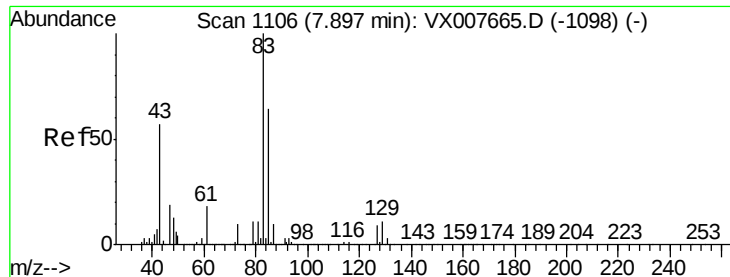
Ion Ratio Lower Upper

93 100

95 83.8 67.6 101.4

174 121.2 94.2 141.4





#47

Bromodichloromethane

Concen: 49.993 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

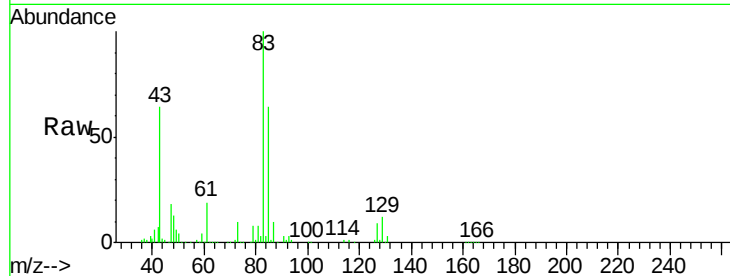
Tot Ion: 83 Resp: 194567

Ion Ratio Lower Upper

83 100

85 64.2 51.4 77.0

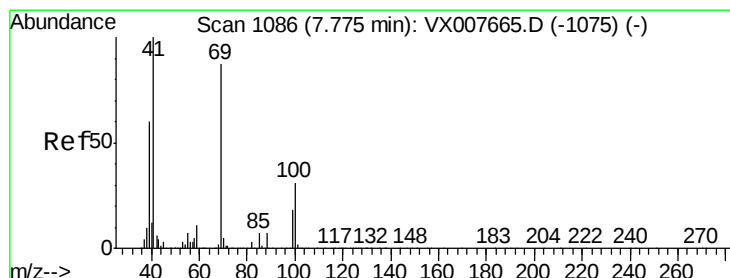
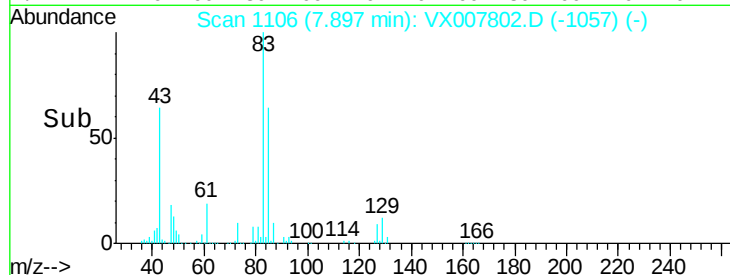
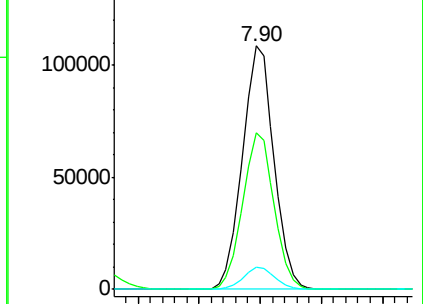
127 9.0 8.1 12.1



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: 51.106 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

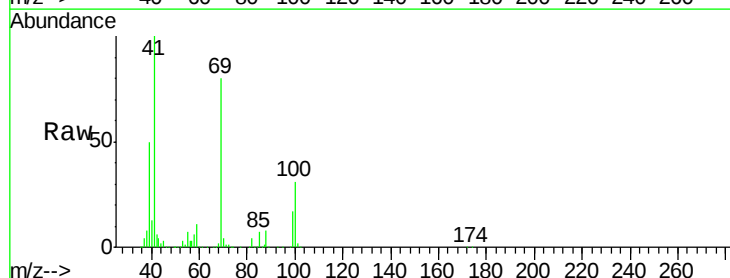
Tgt Ion: 41 Resp: 184377

Ion Ratio Lower Upper

41 100

69 81.2 70.2 105.4

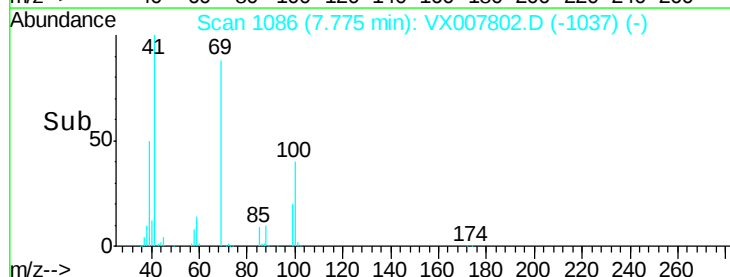
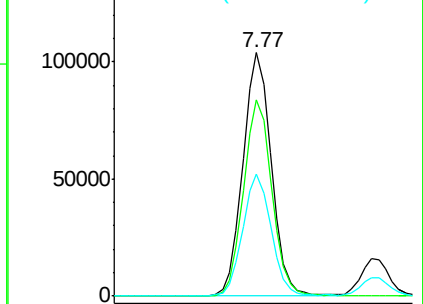
39 50.2 47.4 71.0

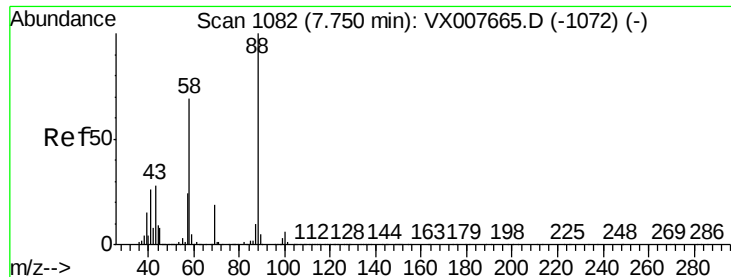


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 975.230 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

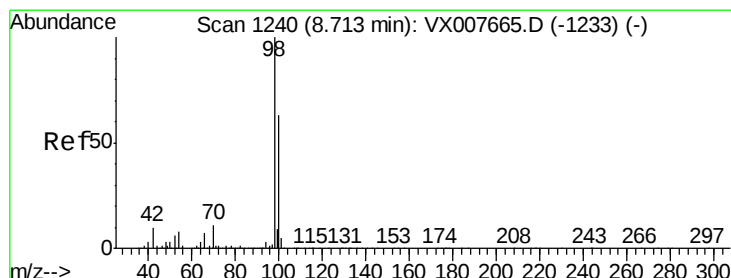
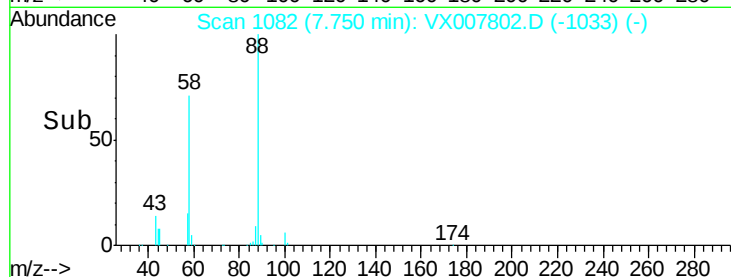
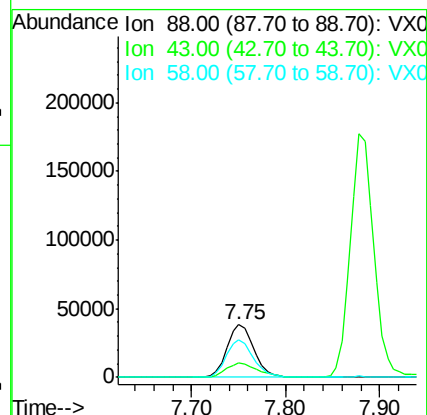
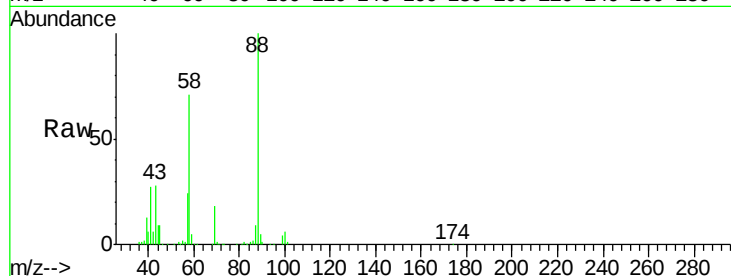
Tot Ion: 88 Resp: 75991

Ion Ratio Lower Upper

88 100

43 31.7 24.2 36.4

58 71.7 53.0 79.4



#50

Toluene-d8

Concen: 44.433 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007802.D

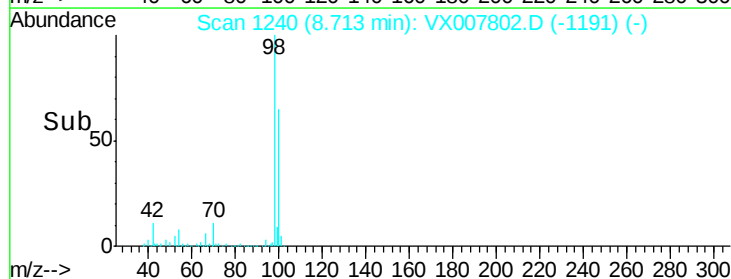
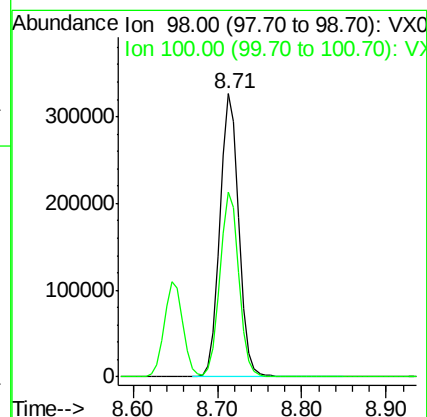
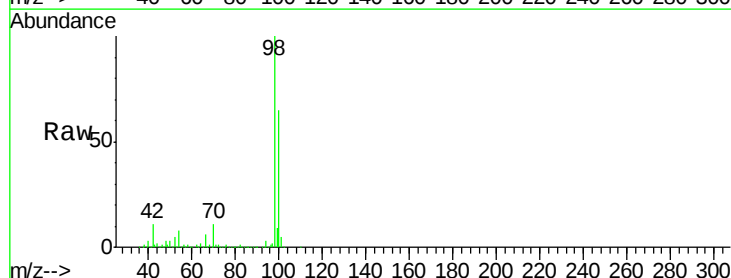
Acq: 01 Mar 2019 20:46

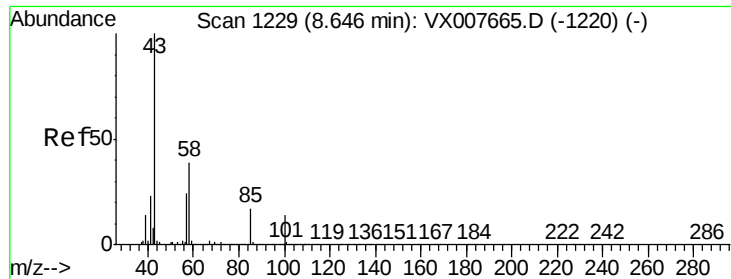
Tgt Ion: 98 Resp: 509185

Ion Ratio Lower Upper

98 100

100 65.6 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 249.068 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

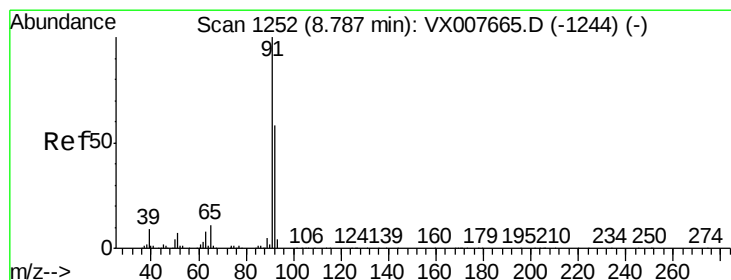
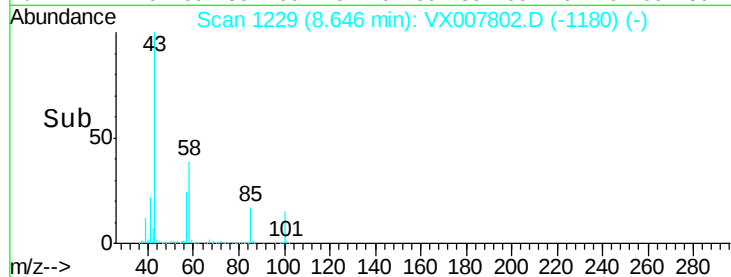
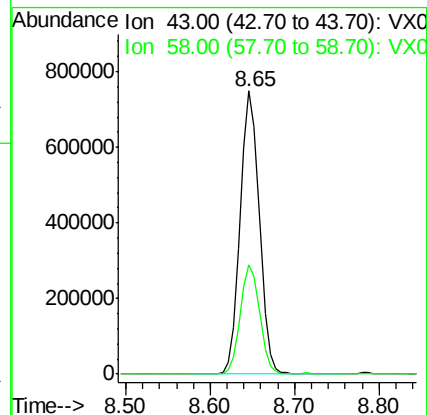
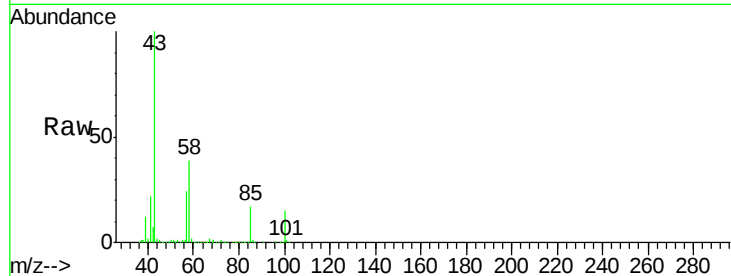
VSTDCCC050EC

Tot Ion: 43 Resp: 1147468

Ion Ratio Lower Upper

43 100

58 38.8 31.2 46.8



#52

Toluene

Concen: 44.991 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007802.D

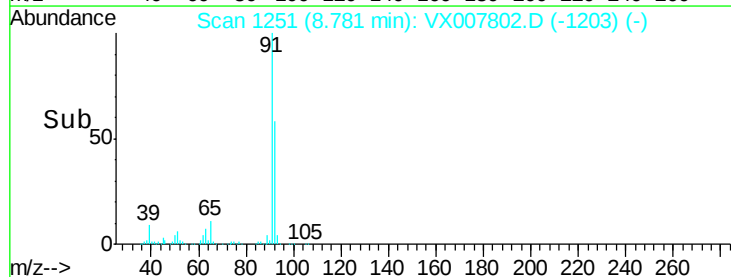
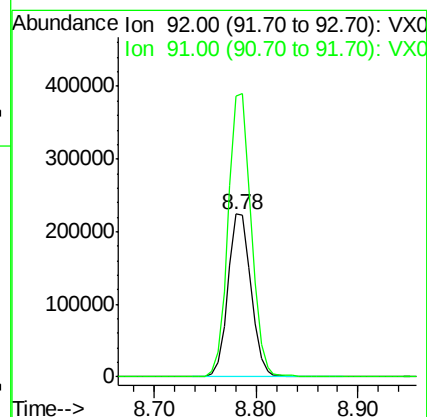
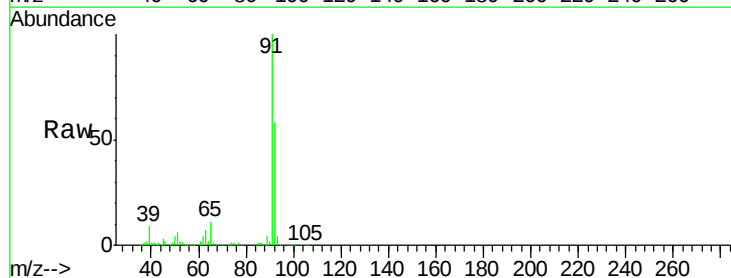
Acq: 01 Mar 2019 20:46

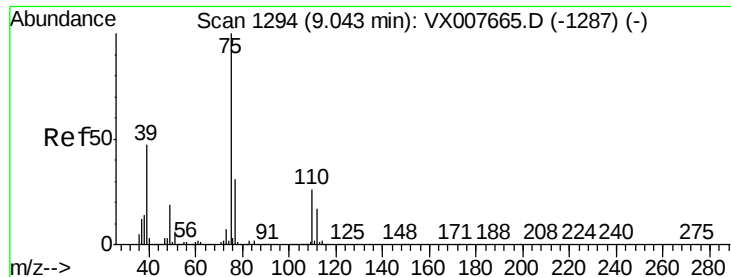
Tgt Ion: 92 Resp: 352571

Ion Ratio Lower Upper

92 100

91 173.5 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 43.746 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

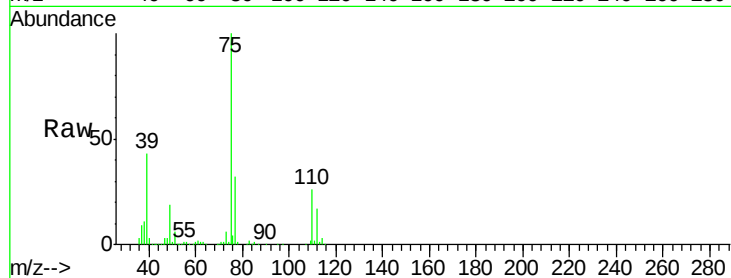
VSTDCCC050EC

Tot Ion: 75 Resp: 209864

Ion Ratio Lower Upper

75 100

77 31.7 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

150000

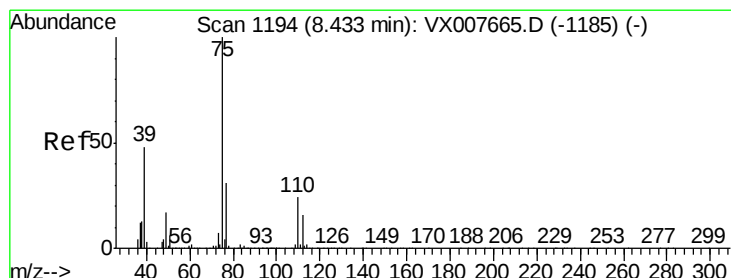
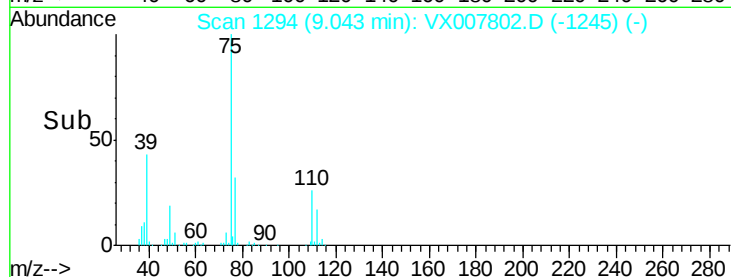
100000

50000

0

9.00 9.10 9.20

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.054 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

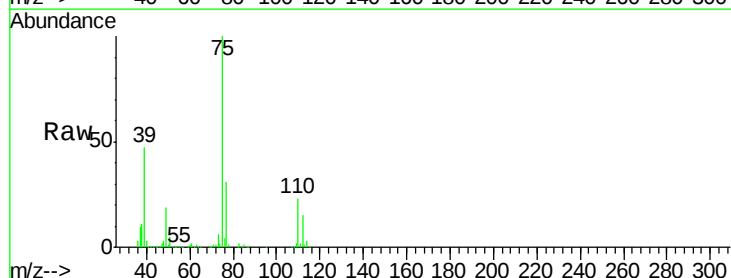
Tgt Ion: 75 Resp: 231679

Ion Ratio Lower Upper

75 100

77 31.3 26.2 39.4

39 47.1 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

200000

150000

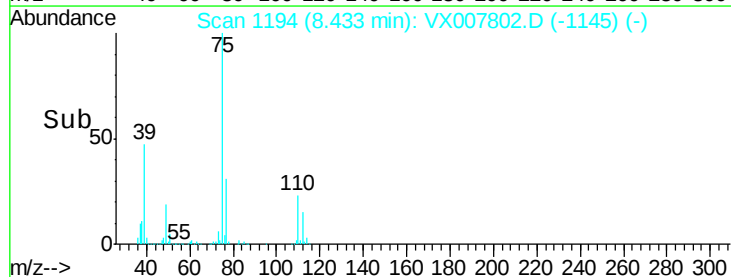
100000

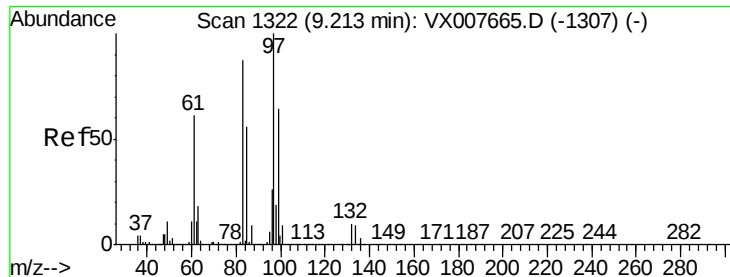
50000

0

8.40 8.50

Time-->

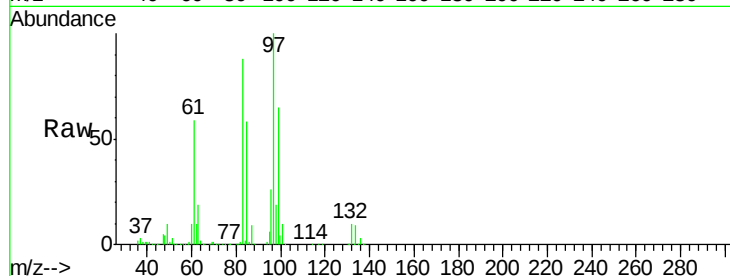




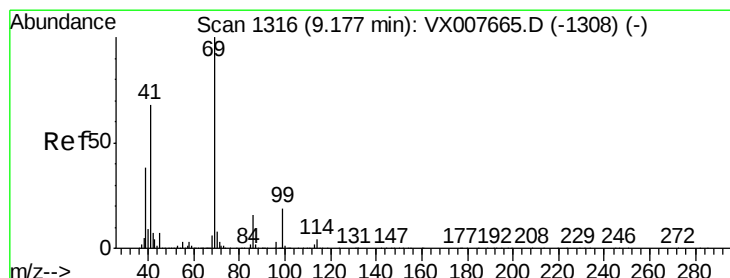
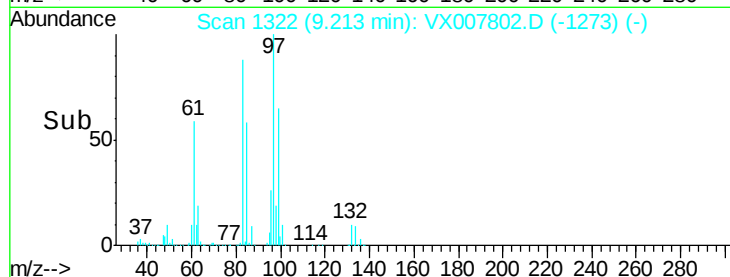
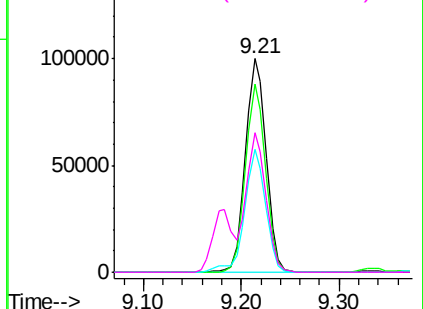
#55
 1,1,2-Trichloroethane
 Concen: 44.978 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007802.D
 Acq: 01 Mar 2019 20:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	146982
Ion	Ratio	Lower	Upper
97	100		
83	87.9	68.6	102.8
85	57.6	44.5	66.7
99	65.3	52.2	78.4

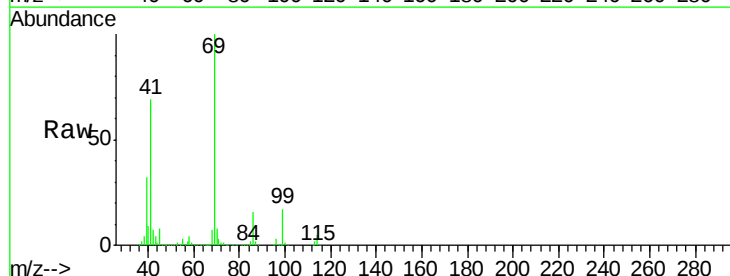


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

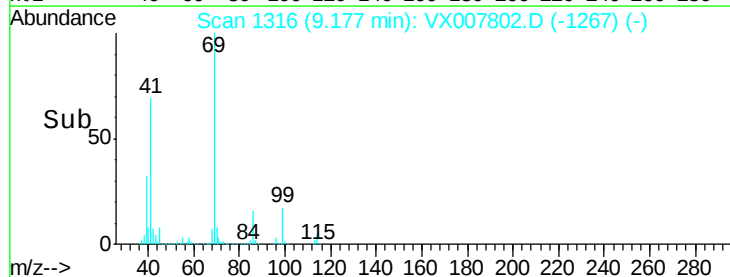
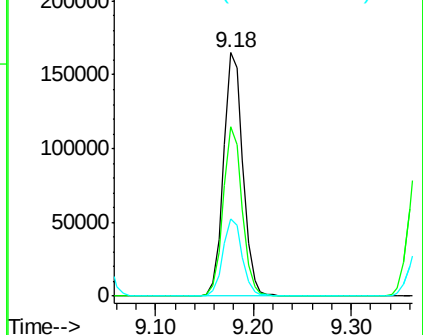


#56
 Ethyl methacrylate
 Concen: 48.704 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX007802.D
 Acq: 01 Mar 2019 20:46

Tgt Ion:	69	Resp:	226332
Ion	Ratio	Lower	Upper
69	100		
41	68.1	52.1	78.1
39	31.6	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: 46.802 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

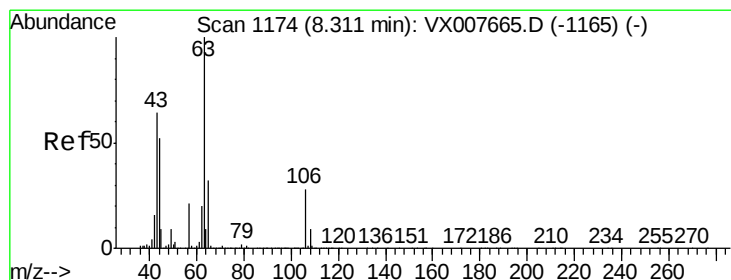
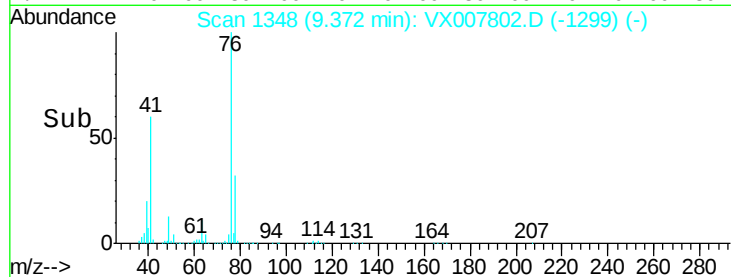
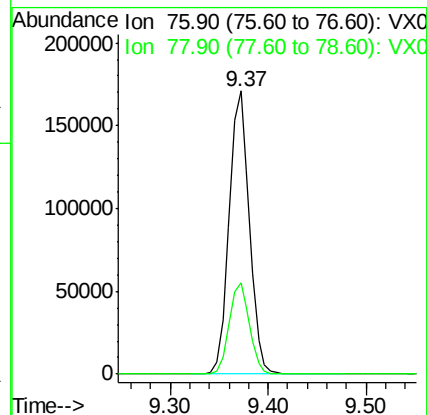
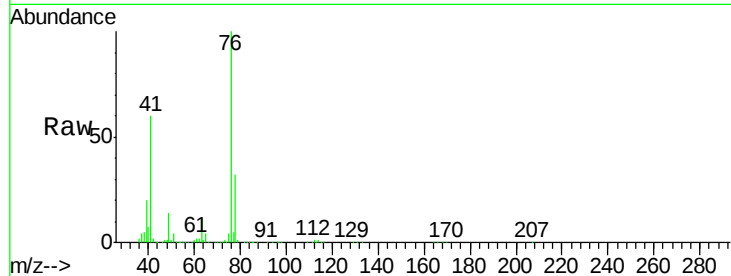
VSTDCCC050EC

Tot Ion: 76 Resp: 244826

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 234.037 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007802.D

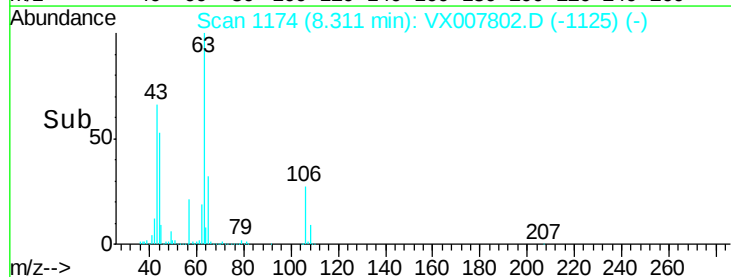
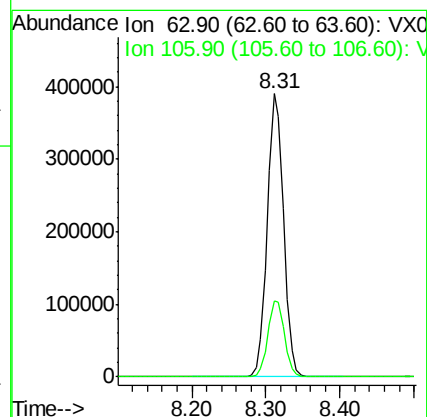
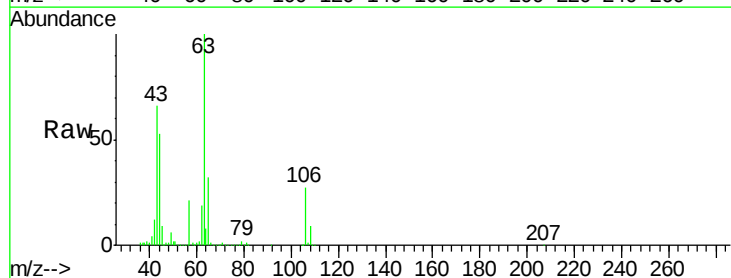
Acq: 01 Mar 2019 20:46

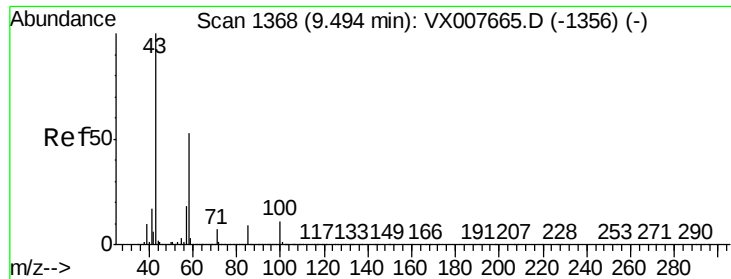
Tgt Ion: 63 Resp: 599754

Ion Ratio Lower Upper

63 100

106 27.5 23.6 35.4

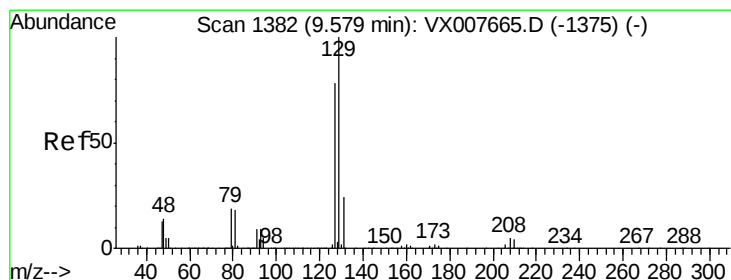
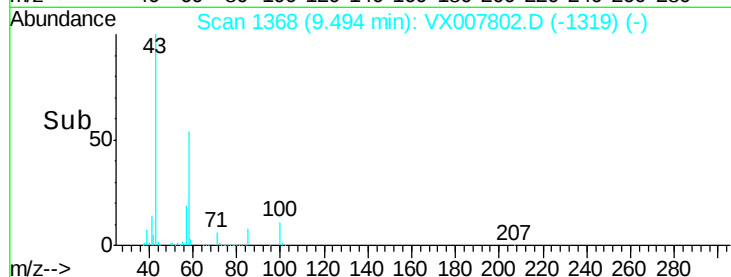
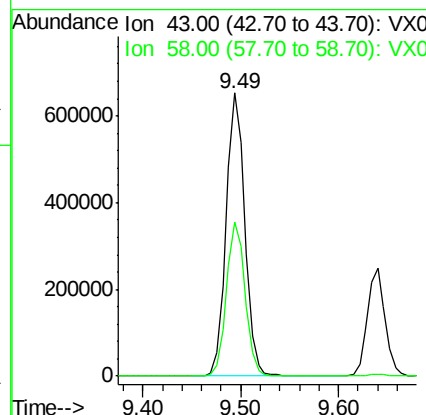
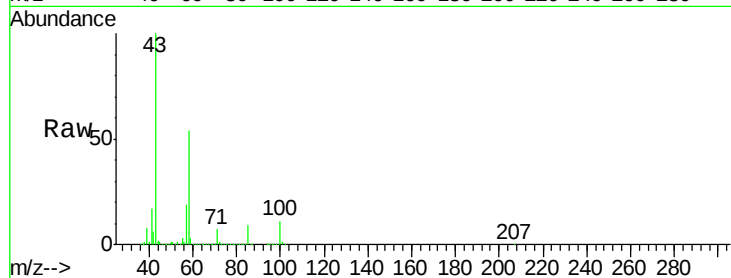




#59
2-Hexanone
Concen: 239.734 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

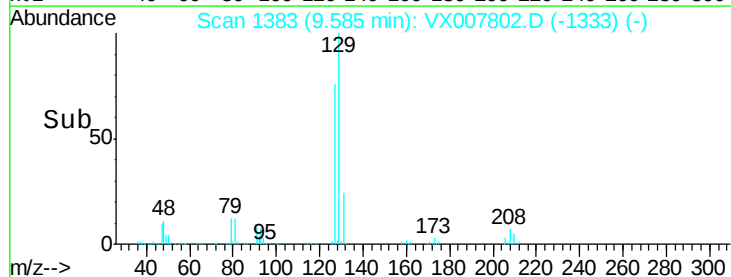
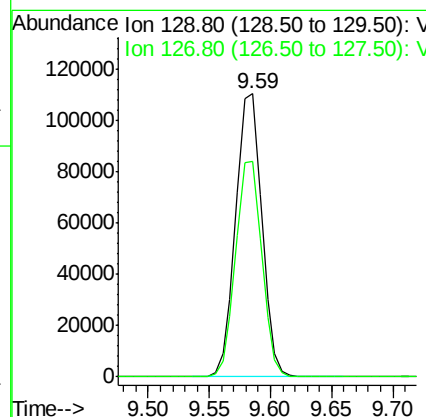
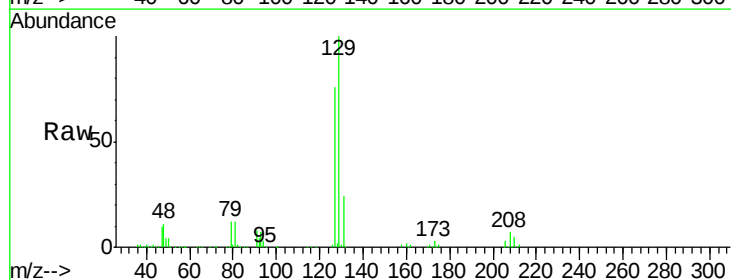
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

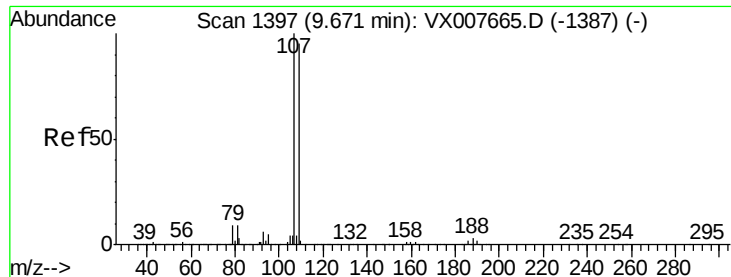
Tot Ion: 43 Resp: 867107
Ion Ratio Lower Upper
43 100
58 54.3 27.1 81.3



#60
Dibromochloromethane
Concen: 51.880 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

Tgt Ion: 129 Resp: 163134
Ion Ratio Lower Upper
129 100
127 76.4 37.8 113.4





#61

1,2-Dibromoethane

Concen: 45.837 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

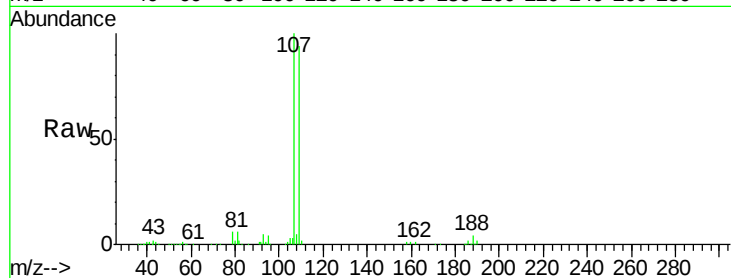
VSTDCCC050EC

Tot Ion: 107 Resp: 155517

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

120000

100000

80000

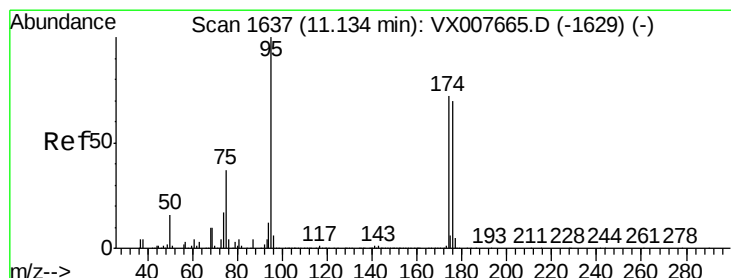
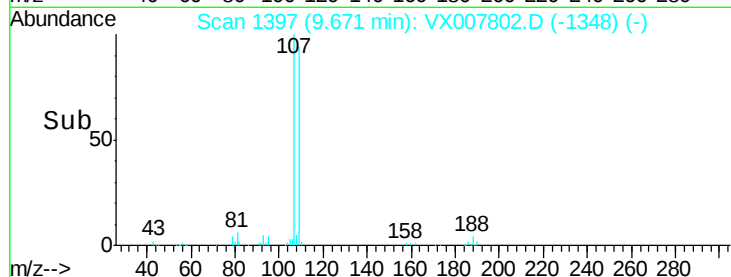
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.405 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

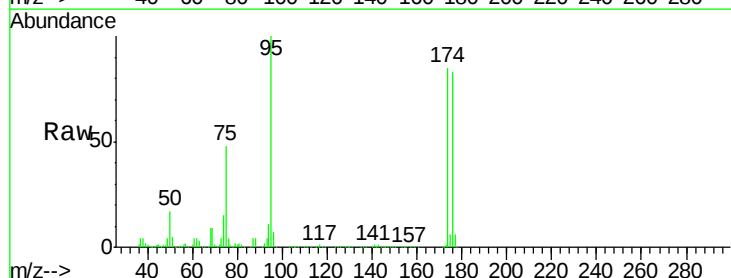
Tgt Ion: 95 Resp: 182564

Ion Ratio Lower Upper

95 100

174 92.1 0.0 189.2

176 89.9 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

200000

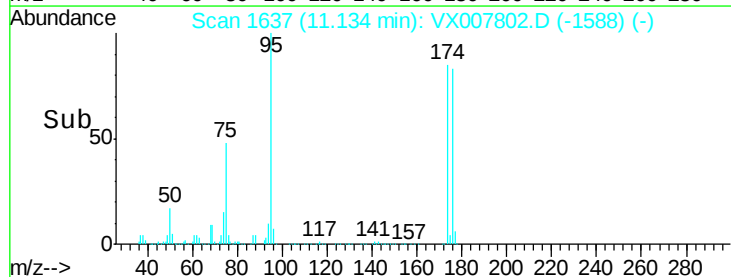
150000

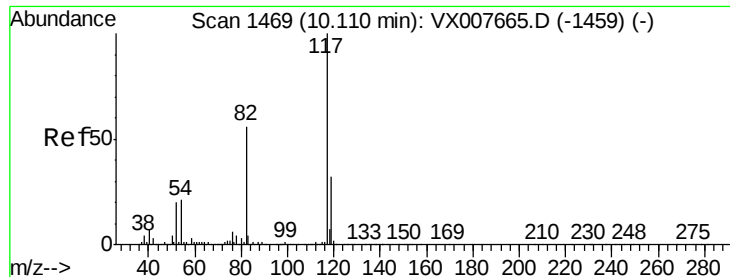
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

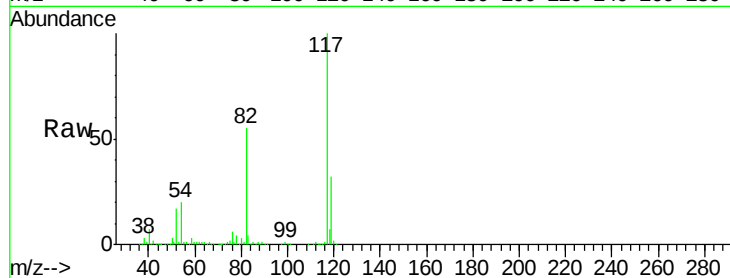
Tot Ion:117 Resp: 397326

Ion Ratio Lower Upper

117 100

82 55.1 42.1 63.1

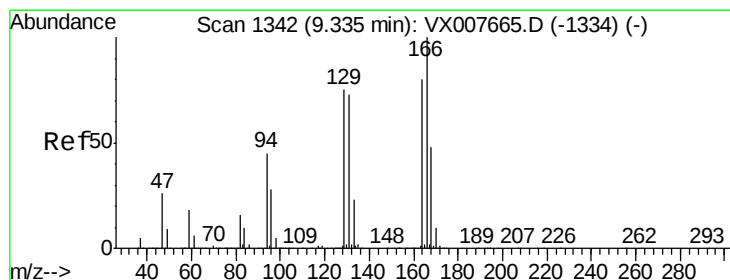
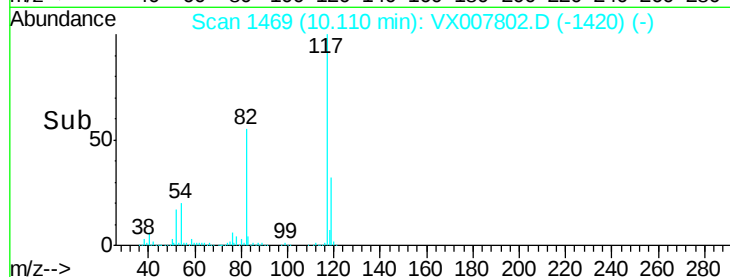
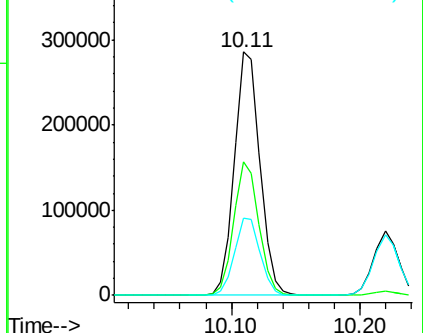
119 32.0 26.5 39.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.670 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Tgt Ion:164 Resp: 147312

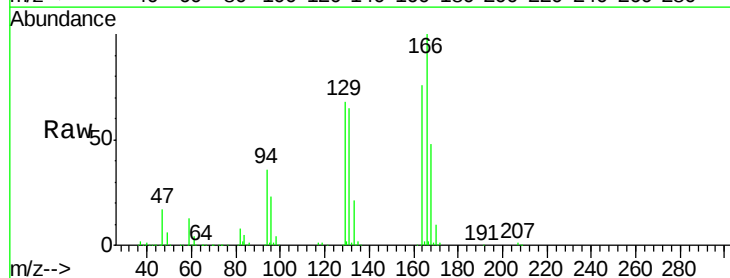
Ion Ratio Lower Upper

164 100

166 130.8 101.0 151.4

129 88.8 70.5 105.7

131 85.6 69.8 104.6

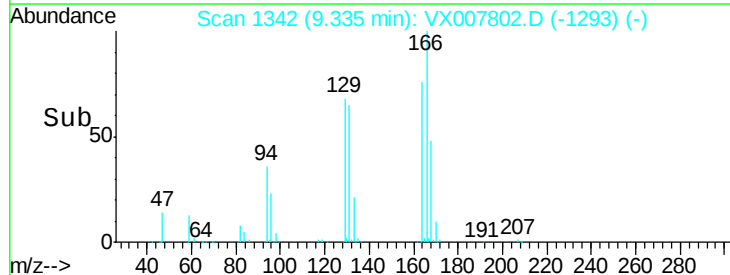
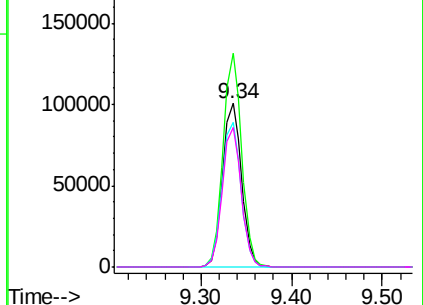


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 45.076 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

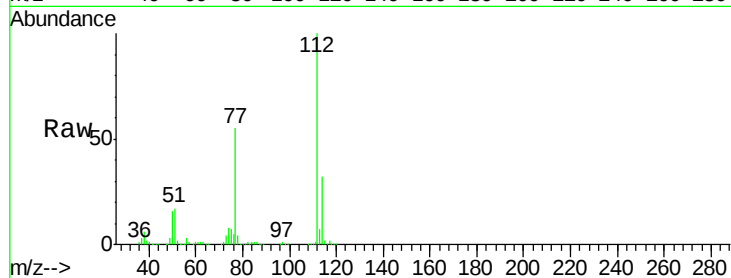
VSTDCCC050EC

Tot Ion:112 Resp: 387353

Ion Ratio Lower Upper

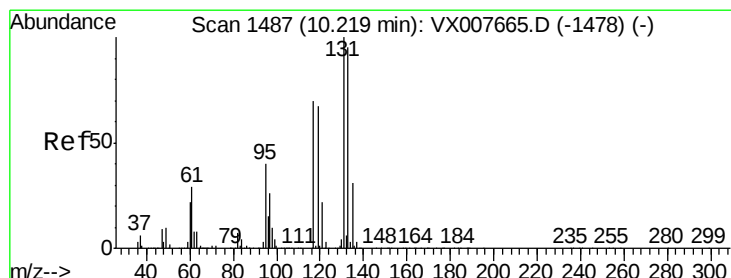
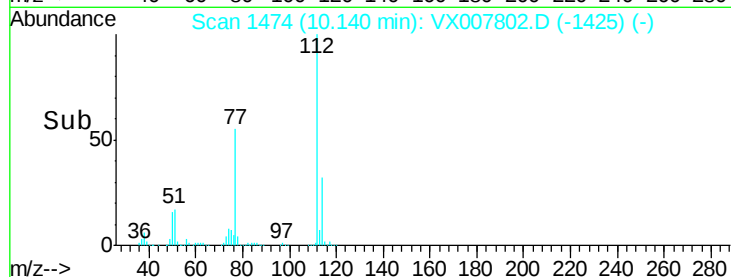
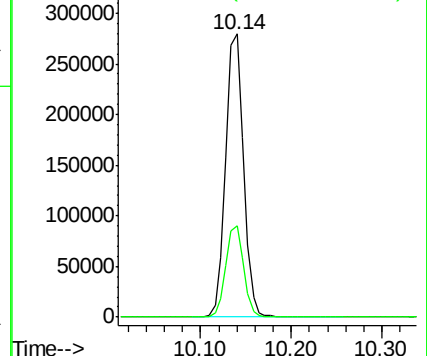
112 100

114 32.2 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: 49.004 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

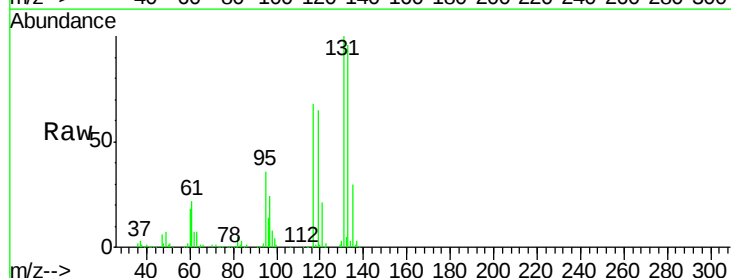
Tgt Ion:131 Resp: 146892

Ion Ratio Lower Upper

131 100

133 95.8 48.0 144.2

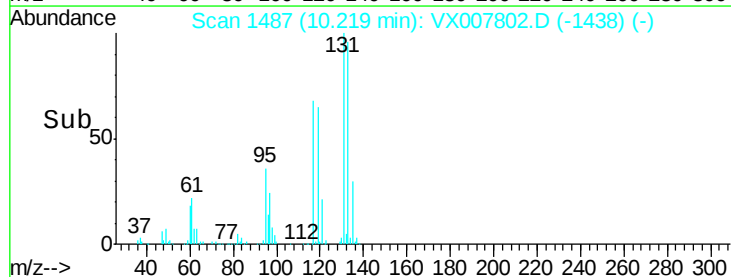
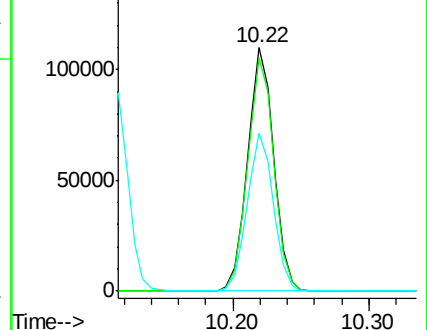
119 65.1 32.0 96.0



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: 45.928 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

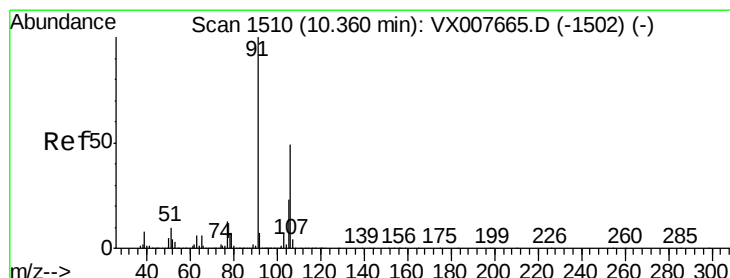
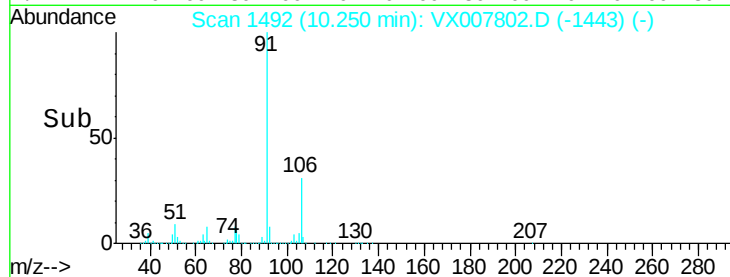
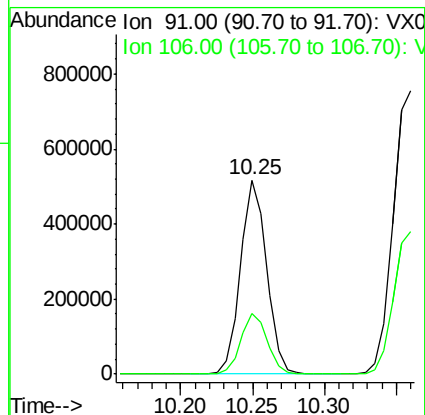
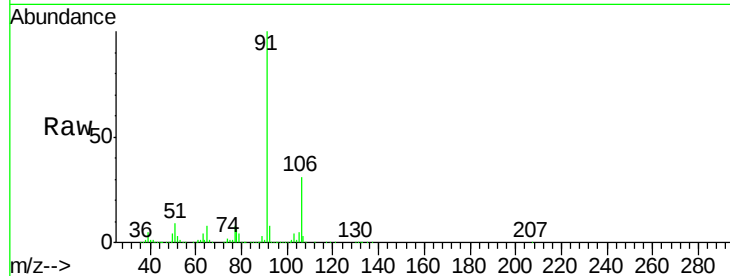
VSTDCCC050EC

Tot Ion: 91 Resp: 653805

Ion Ratio Lower Upper

91 100

106 31.3 25.4 38.0



#68

m/p-Xylenes

Concen: 91.179 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007802.D

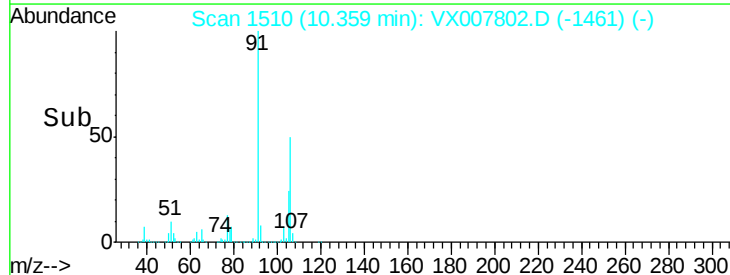
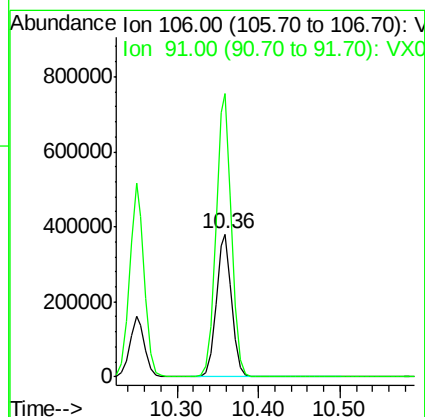
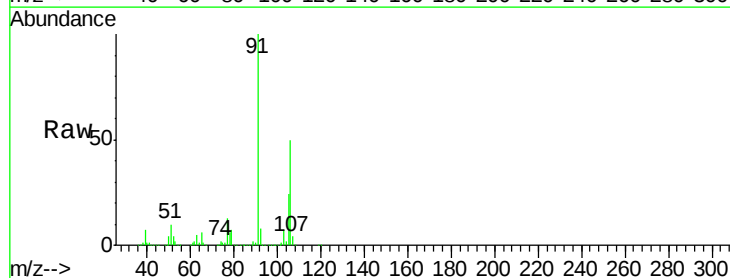
Acq: 01 Mar 2019 20:46

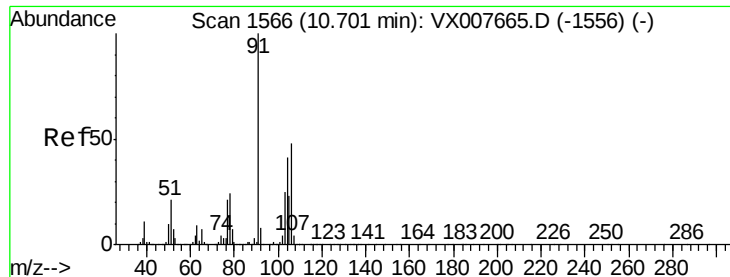
Tgt Ion: 106 Resp: 504950

Ion Ratio Lower Upper

106 100

91 200.4 156.6 234.8

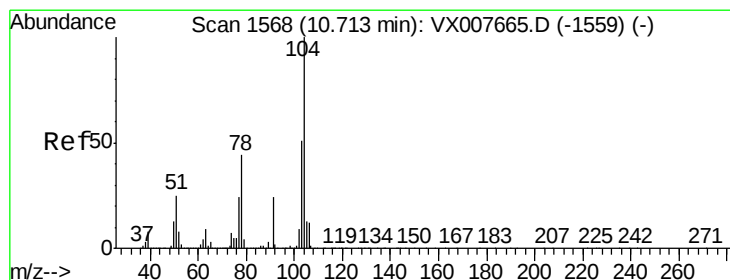
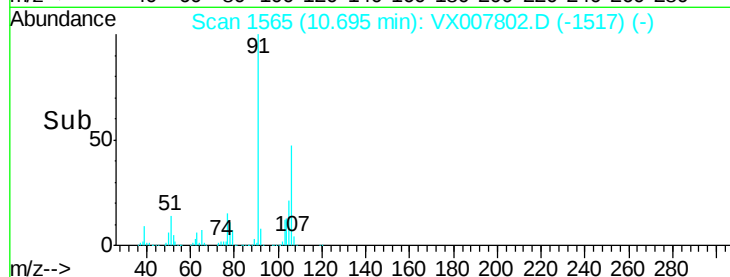
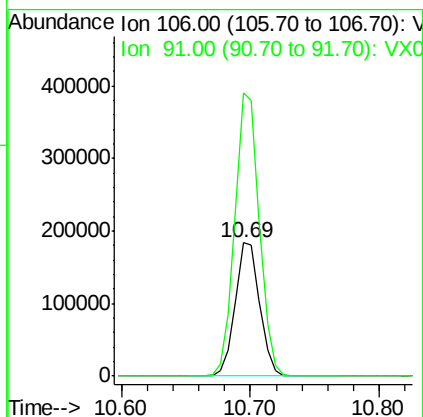
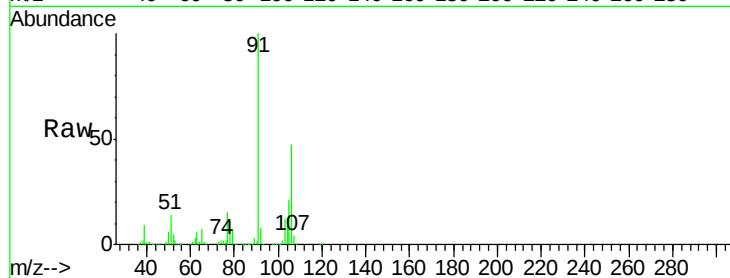




#69
o-Xylene
Concen: 46.083 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

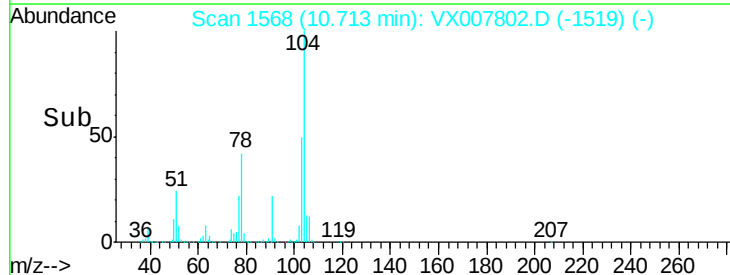
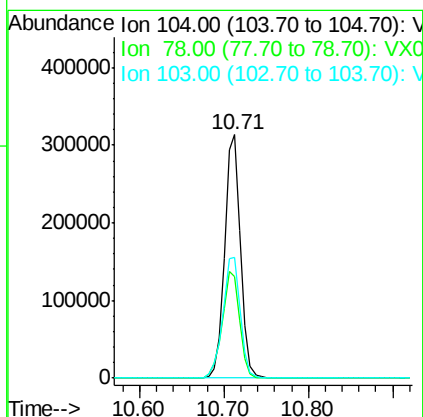
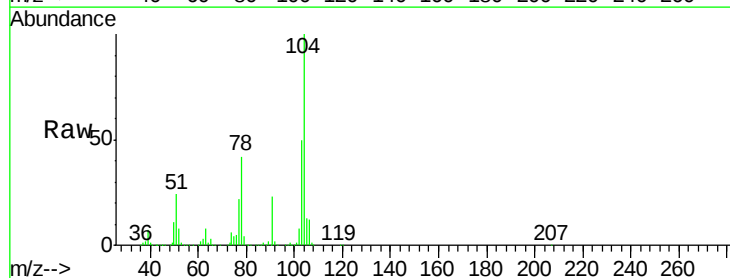
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

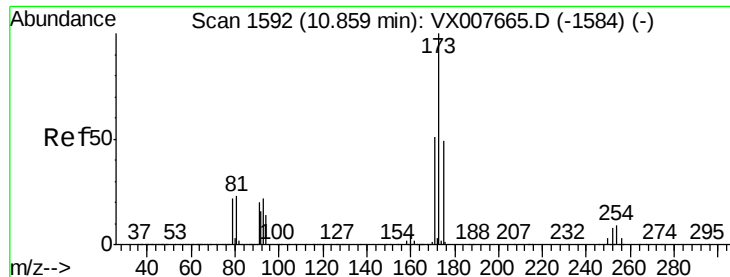
Tot Ion:106 Resp: 245479
Ion Ratio Lower Upper
106 100
91 211.7 102.9 308.7



#70
Styrene
Concen: 46.525 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

Tgt Ion:104 Resp: 407367
Ion Ratio Lower Upper
104 100
78 48.5 38.3 57.5
103 55.5 44.6 67.0

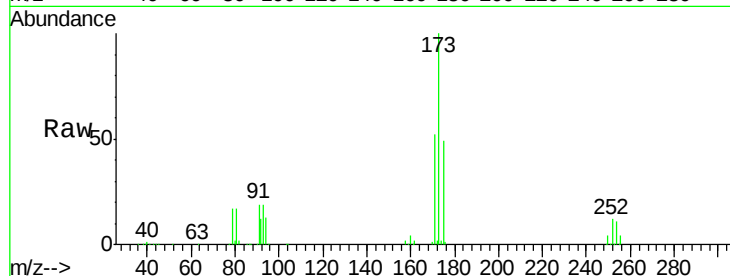




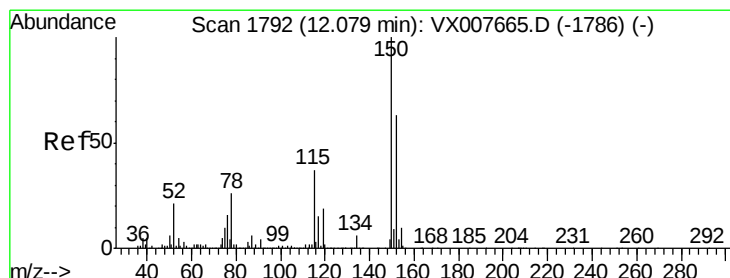
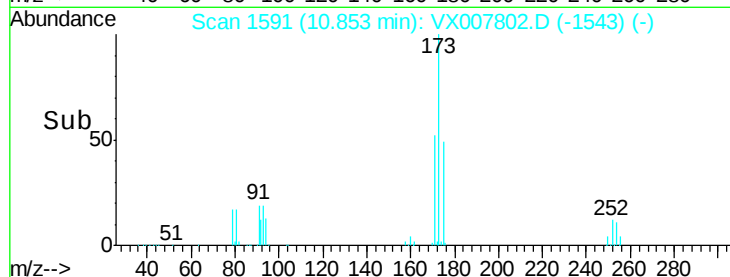
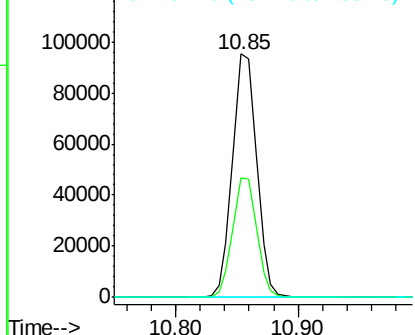
#71
Bromoform
Concen: 57.973 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 130312
Ion Ratio Lower Upper
173 100
175 49.0 24.2 72.6
254 0.2 0.2 0.2

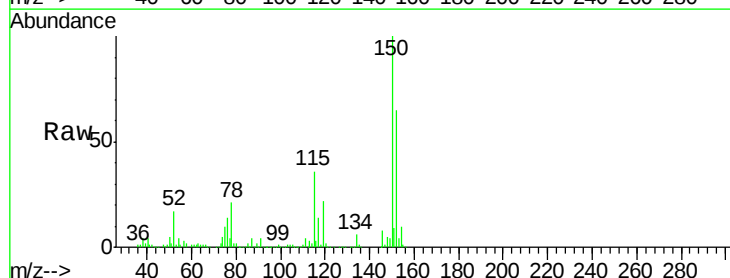


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

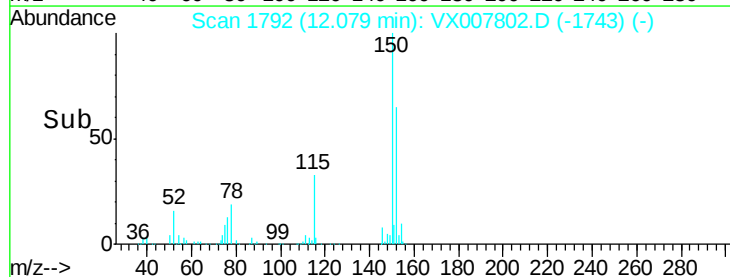
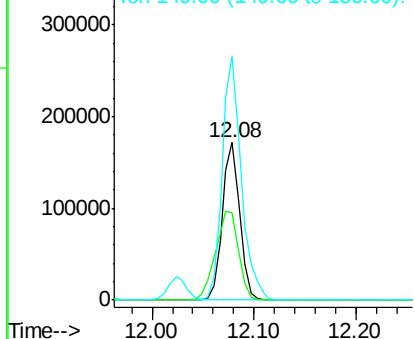


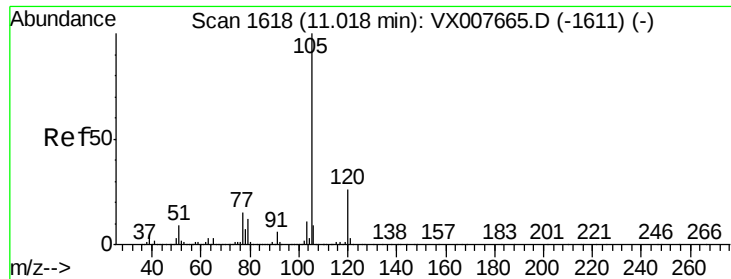
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

Tgt Ion:152 Resp: 203975
Ion Ratio Lower Upper
152 100
115 75.2 38.0 114.0
150 170.7 0.0 346.4



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





#73

Isopropylbenzene

Concen: 45.072 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

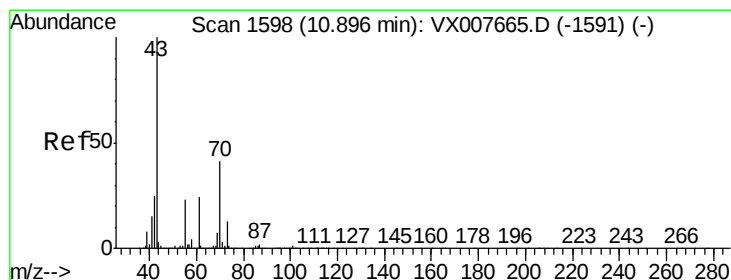
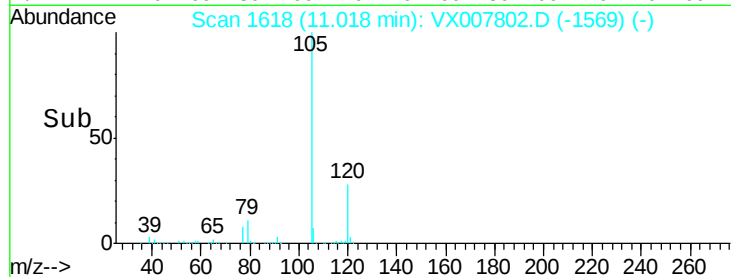
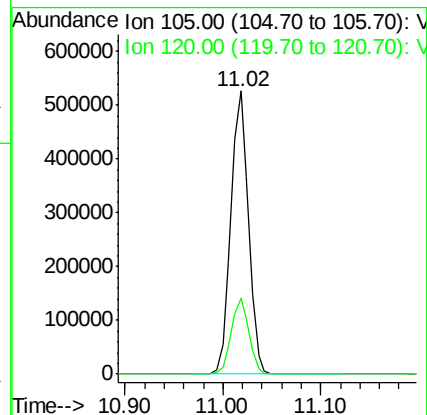
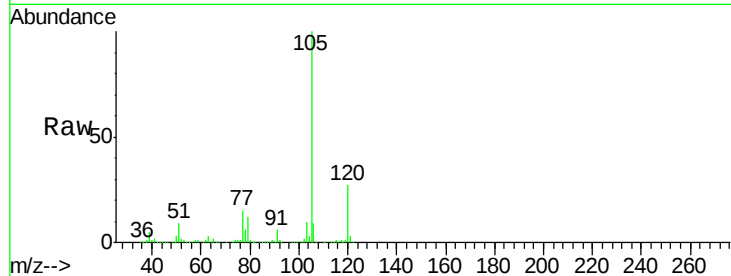
VSTDCCC050EC

Tot Ion:105 Resp: 657078

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



#74

N-ethyl acetate

Concen: 47.965 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Tgt Ion: 43 Resp: 303657

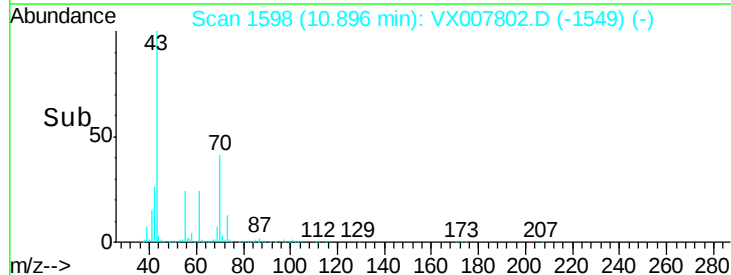
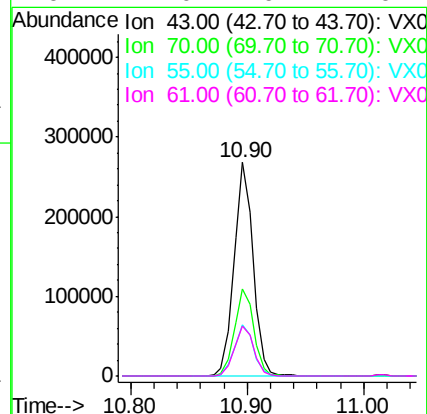
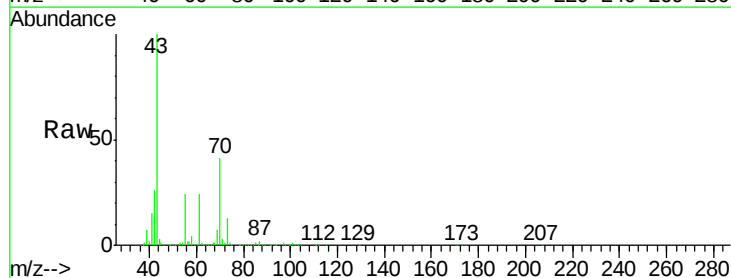
Ion Ratio Lower Upper

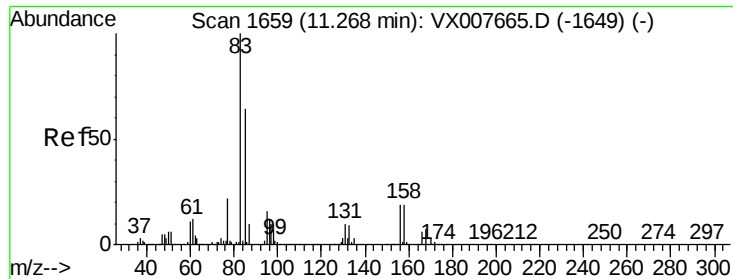
43 100

70 41.6 33.8 50.6

55 24.4 19.5 29.3

61 24.0 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 43.862 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

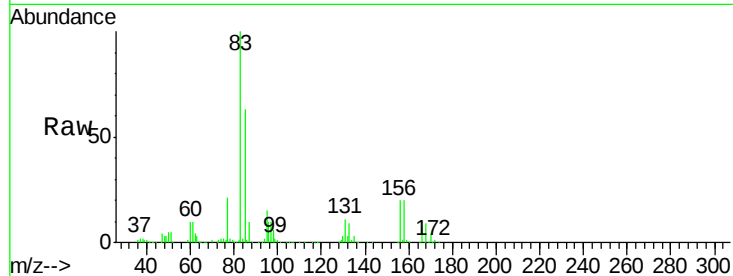
Tot Ion: 83 Resp: 221159

Ion Ratio Lower Upper

83 100

131 10.8 5.7 17.0

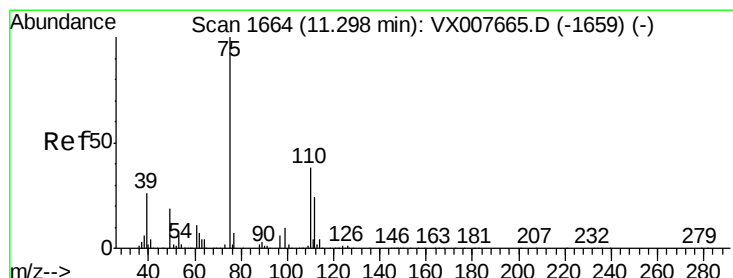
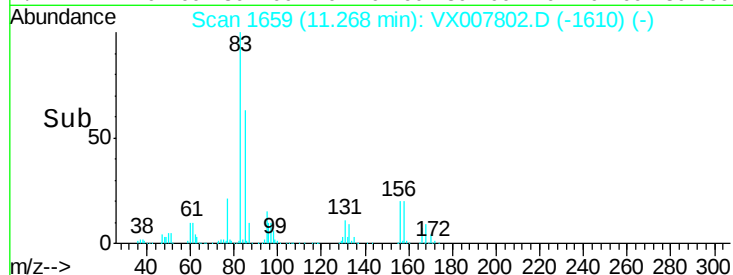
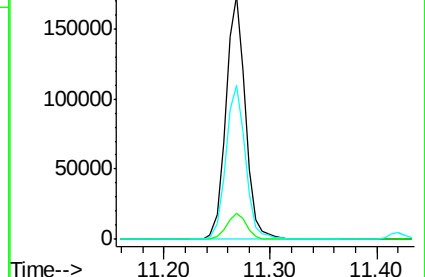
85 64.0 32.8 98.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 59.583 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007802.D

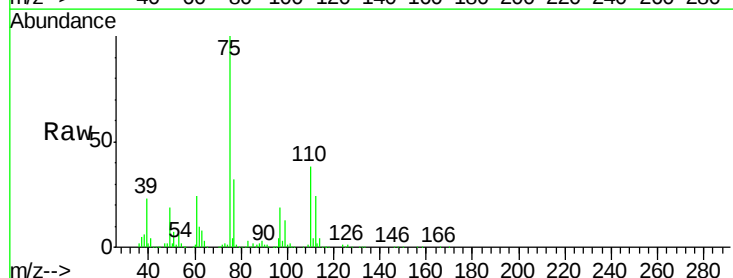
Acq: 01 Mar 2019 20:46

Tgt Ion: 75 Resp: 259058

Ion Ratio Lower Upper

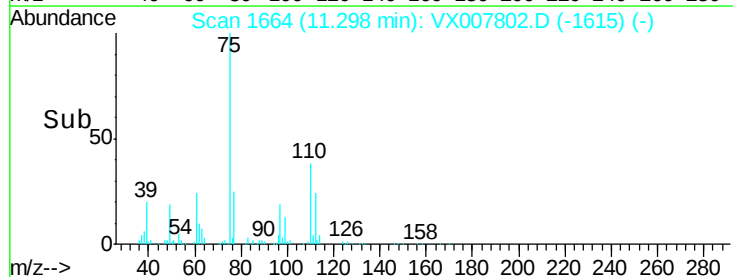
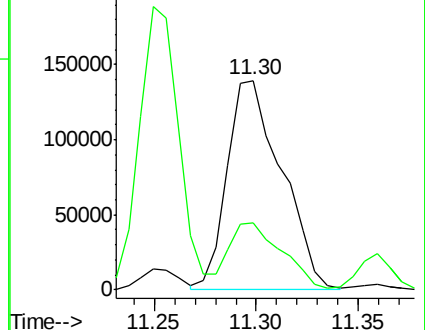
75 100

77 32.1 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: 48.026 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

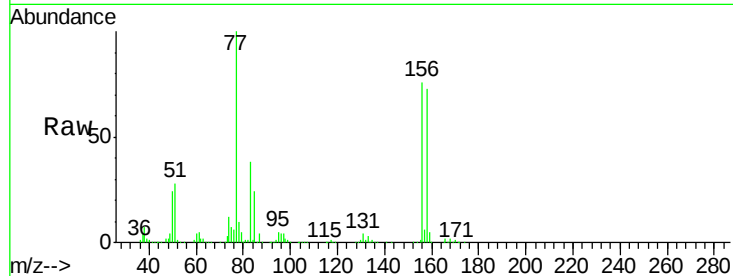
Tot Ion:156 Resp: 175610

Ion Ratio Lower Upper

156 100

77 143.0 66.8 200.6

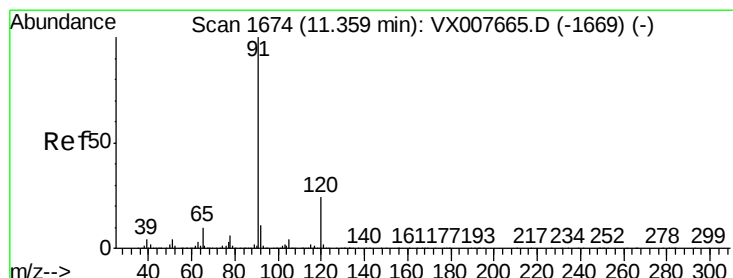
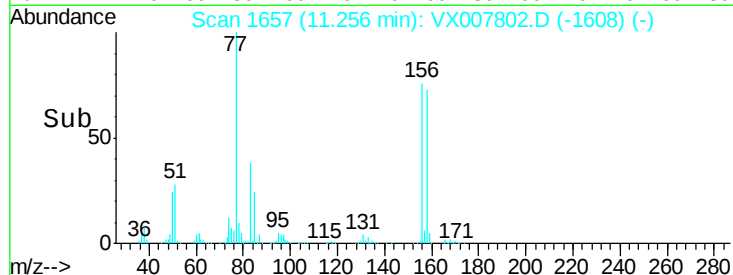
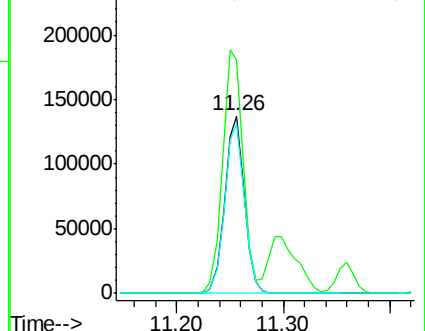
158 96.9 47.9 143.8



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: 44.777 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007802.D

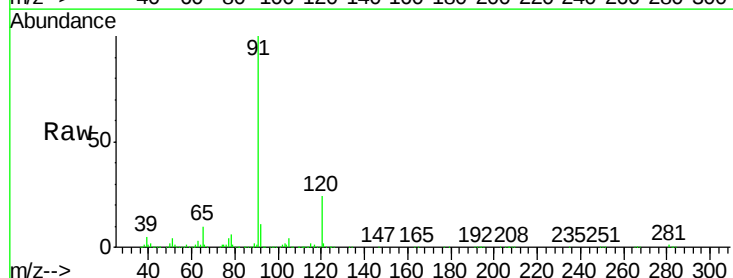
Acq: 01 Mar 2019 20:46

Tgt Ion: 91 Resp: 737648

Ion Ratio Lower Upper

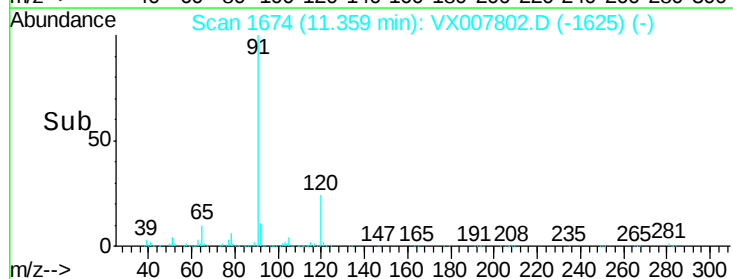
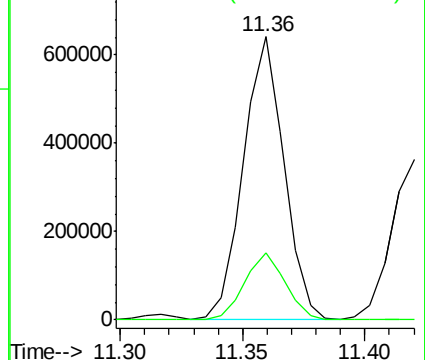
91 100

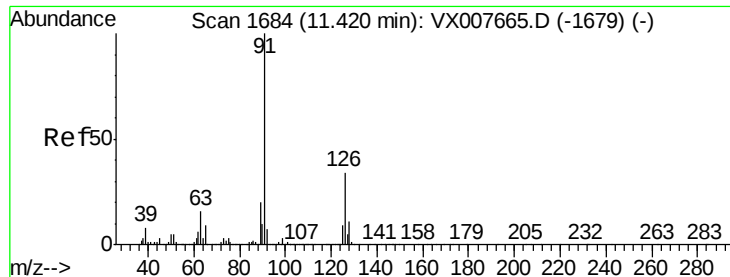
120 23.8 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

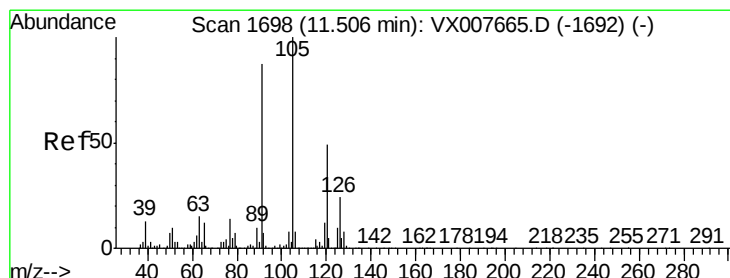
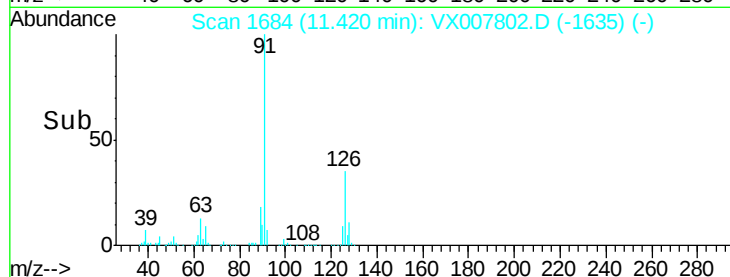
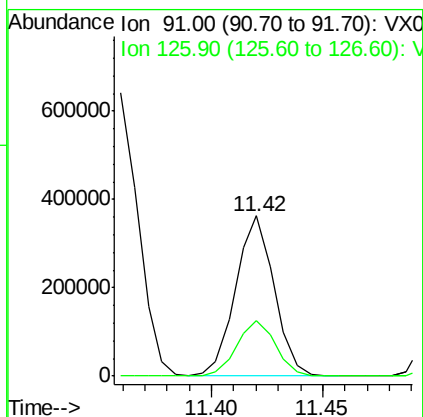
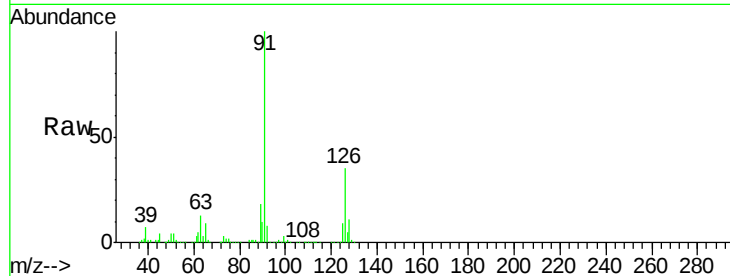




#79
 2-Chlorotoluene
 Concen: 44.101 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX007802.D
 Acq: 01 Mar 2019 20:46

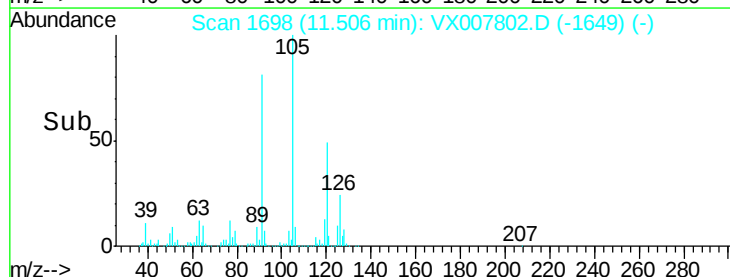
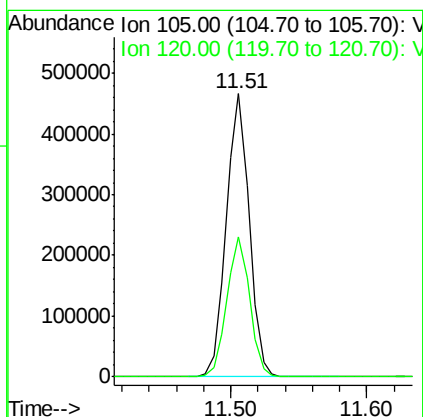
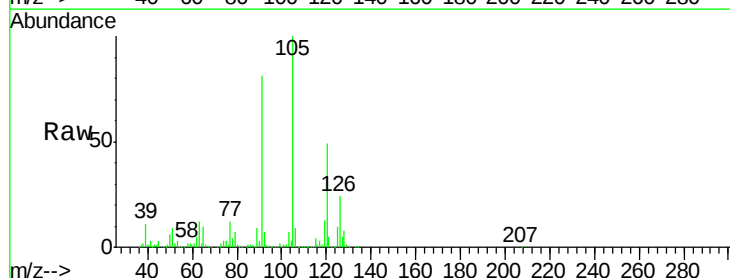
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

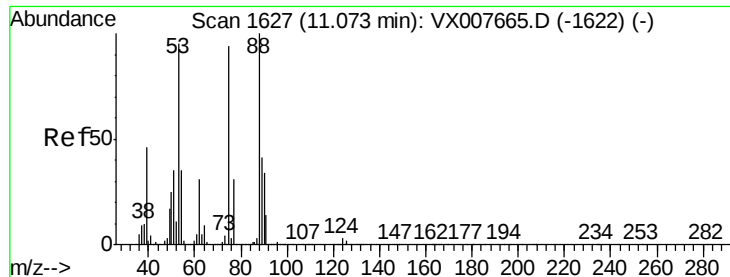
Tot Ion: 91 Resp: 437445
 Ion Ratio Lower Upper
 91 100
 126 35.0 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 45.233 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX007802.D
 Acq: 01 Mar 2019 20:46

Tgt Ion: 105 Resp: 542409
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 42.196 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

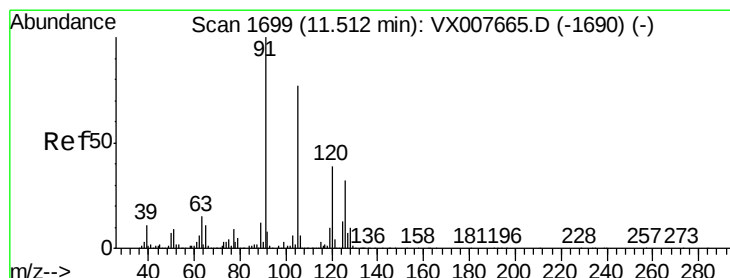
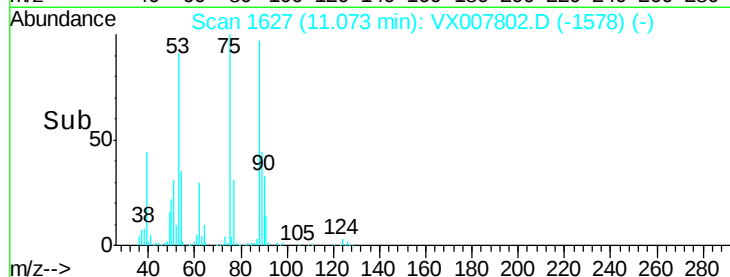
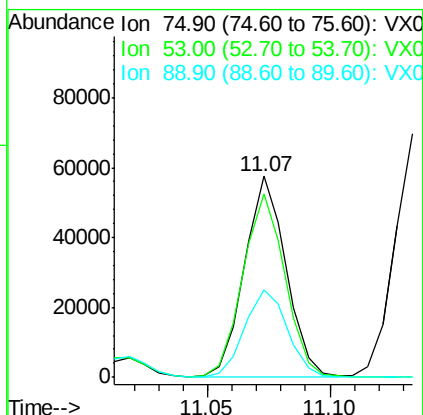
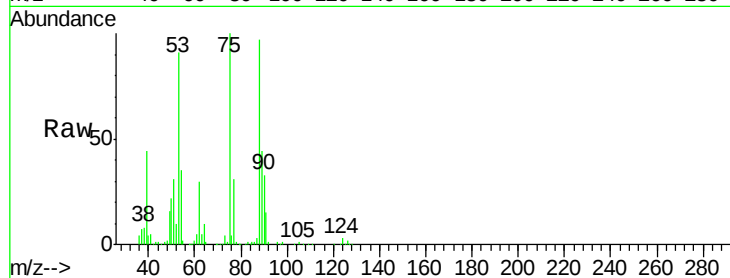
Tot Ion: 75 Resp: 67652

Ion Ratio Lower Upper

75 100

53 93.1 81.0 121.6

89 45.5 41.4 62.0



#82

4-Chlorotoluene

Concen: 43.284 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007802.D

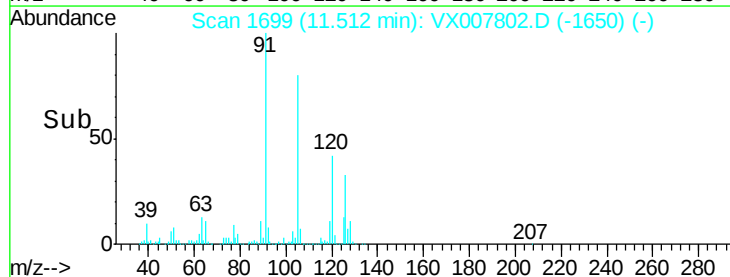
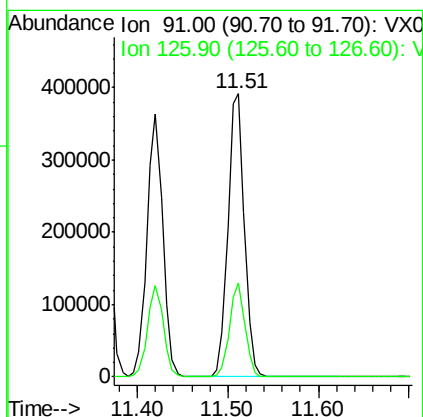
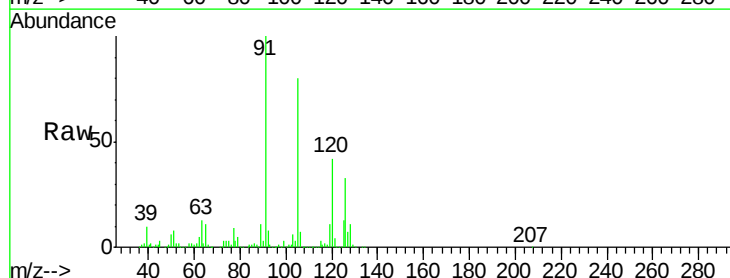
Acq: 01 Mar 2019 20:46

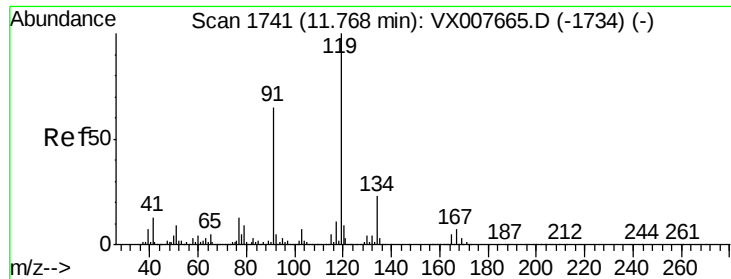
Tgt Ion: 91 Resp: 502262

Ion Ratio Lower Upper

91 100

126 31.5 16.2 48.5

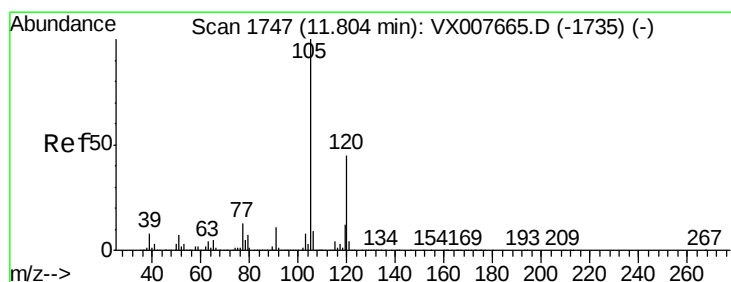
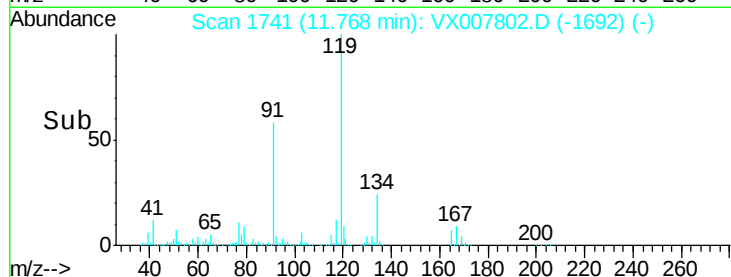
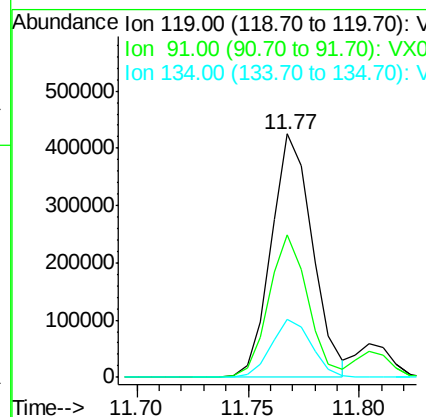
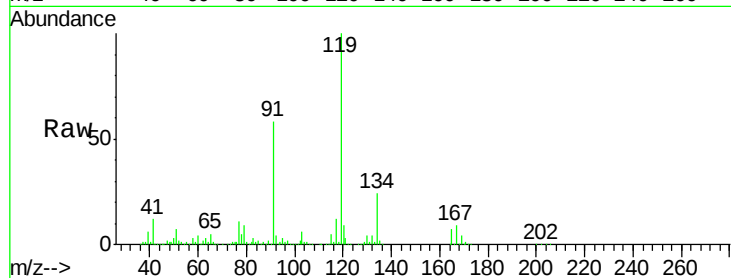




#83
tert-Butylbenzene
Concen: 47.390 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

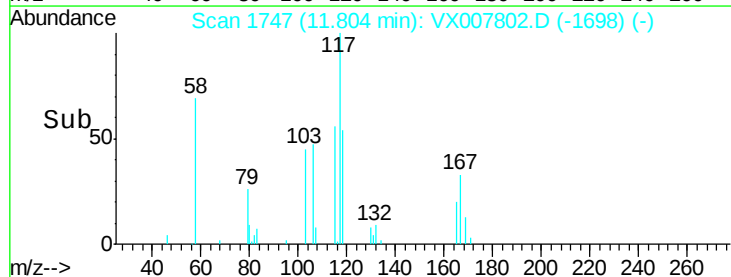
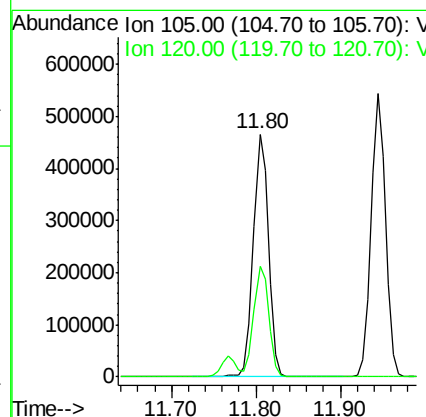
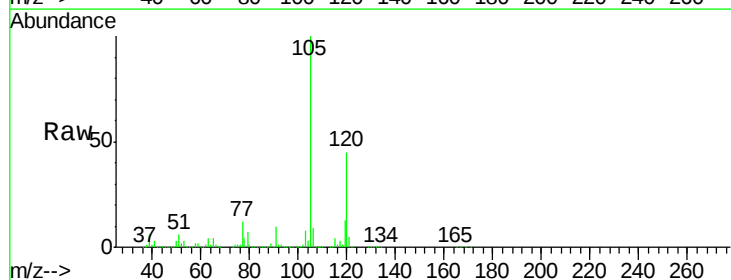
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

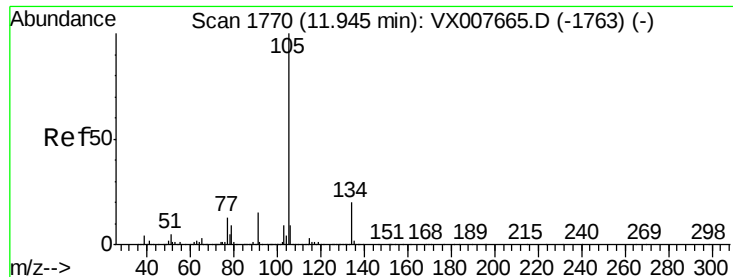
Tot Ion:119 Resp: 545626
Ion Ratio Lower Upper
119 100
91 55.2 28.5 85.6
134 23.2 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 45.175 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007802.D
Acq: 01 Mar 2019 20:46

Tgt Ion:105 Resp: 554125
Ion Ratio Lower Upper
105 100
120 45.3 23.1 69.3





#85

sec-Butylbenzene

Concen: 44.945 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

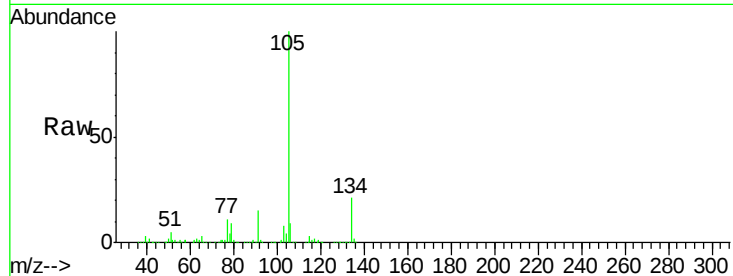
VSTDCCC050EC

Tot Ion:105 Resp: 648451

Ion Ratio Lower Upper

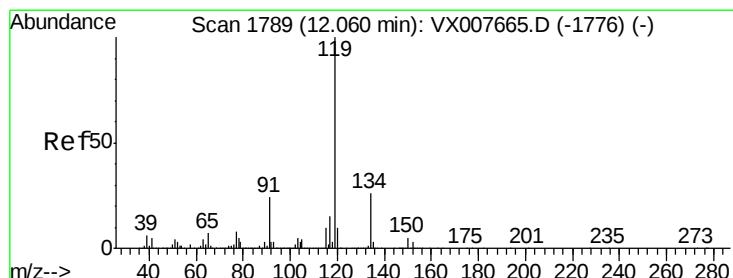
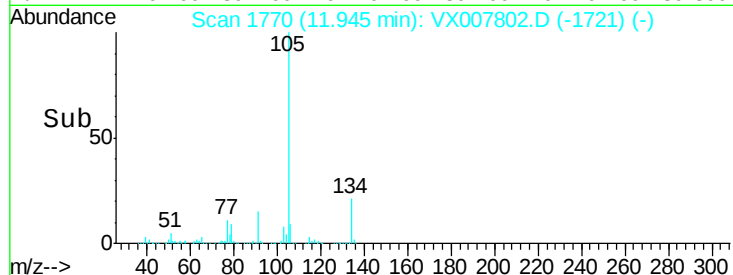
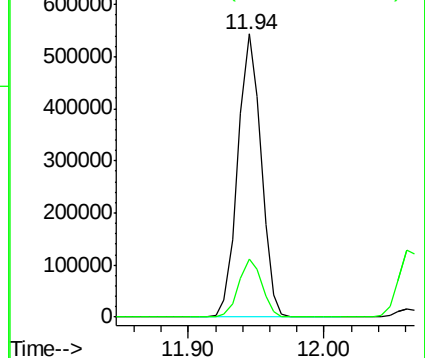
105 100

134 20.6 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.952 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

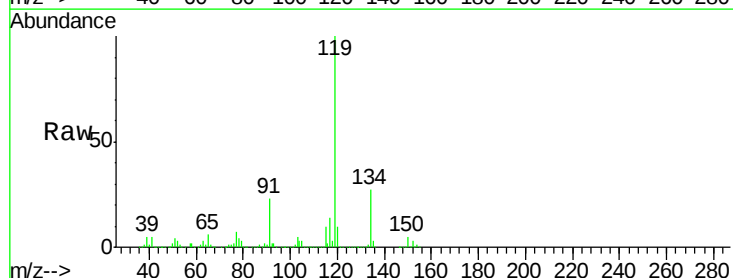
Tgt Ion:119 Resp: 580615

Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.1

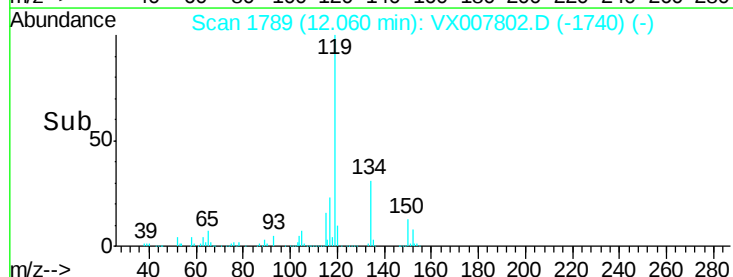
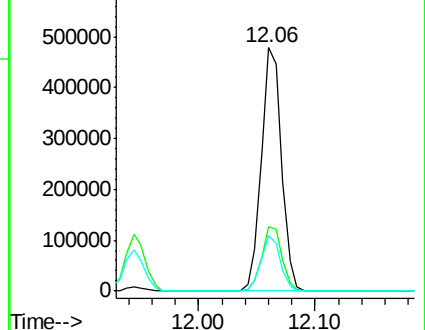
91 21.9 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

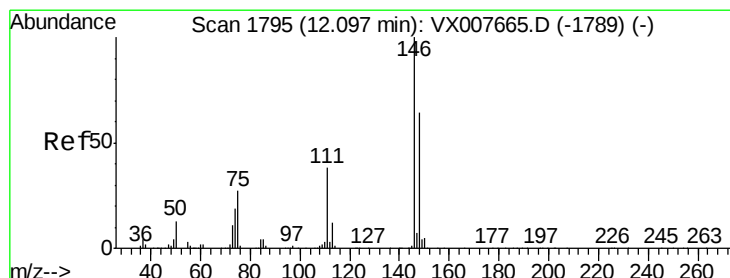
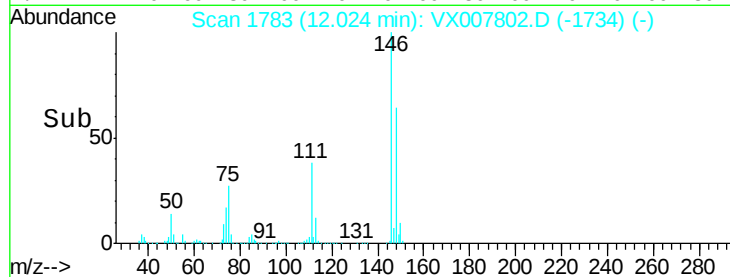
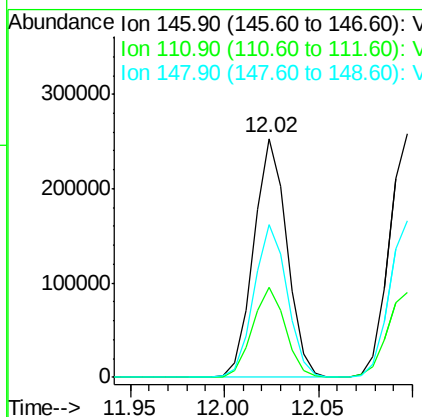
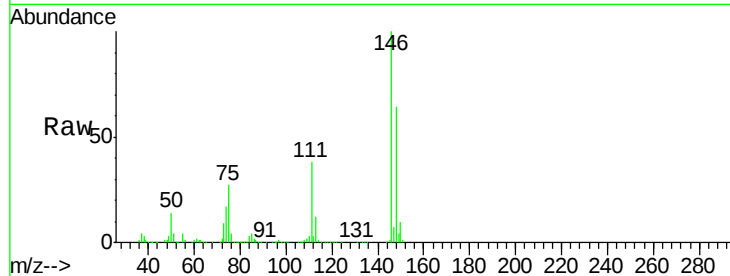




#87
 1,3-Dichlorobenzene
 Concen: 45.466 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007802.D
 Acq: 01 Mar 2019 20:46

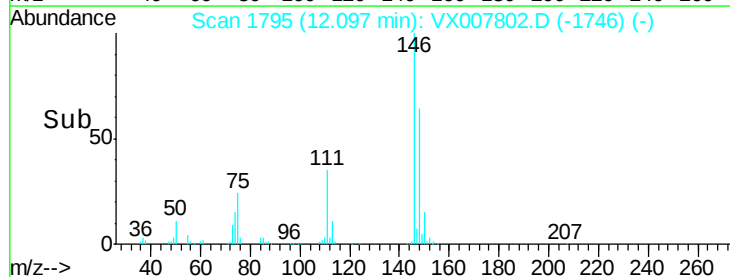
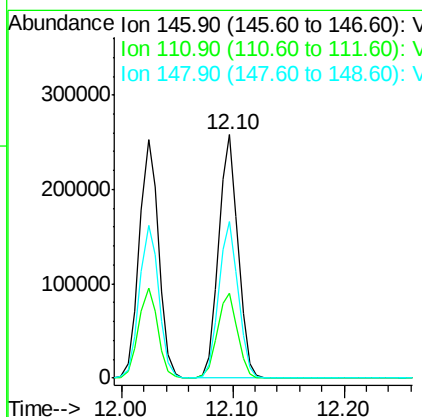
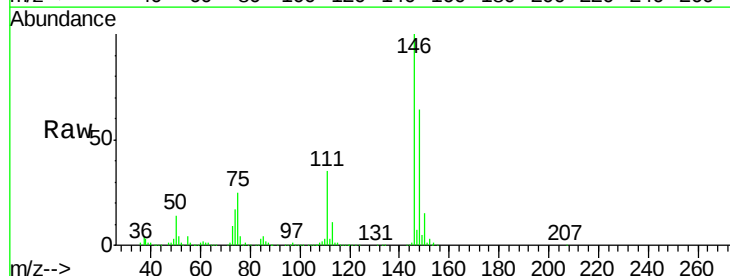
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

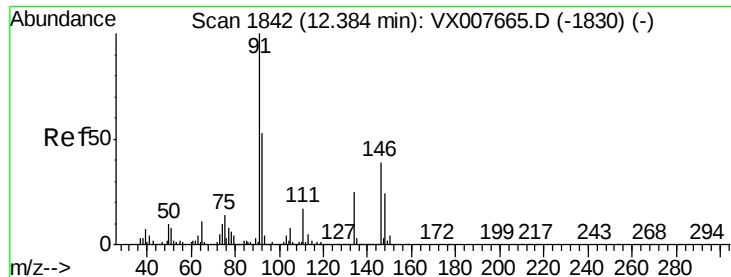
Tot Ion:146 Resp: 308378
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.1 54.1
 148 64.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 44.600 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007802.D
 Acq: 01 Mar 2019 20:46

Tgt Ion:146 Resp: 309803
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.1 54.1
 148 64.7 32.3 96.9





#89

n-Butylbenzene

Concen: 42.772 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

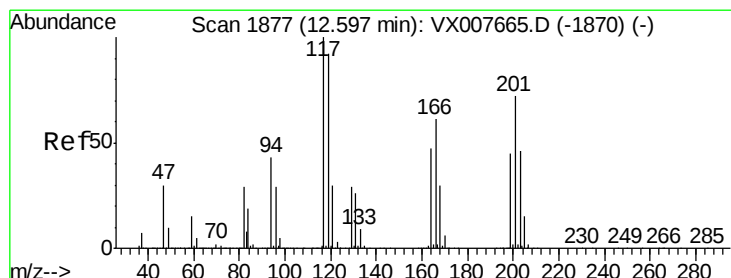
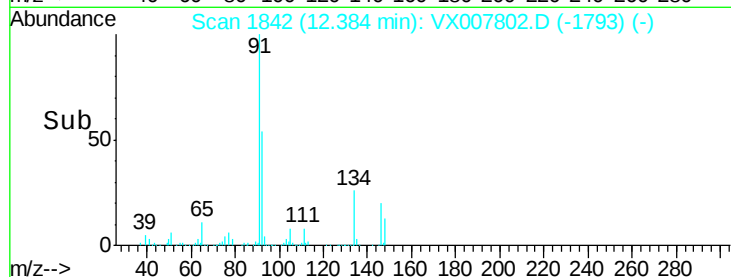
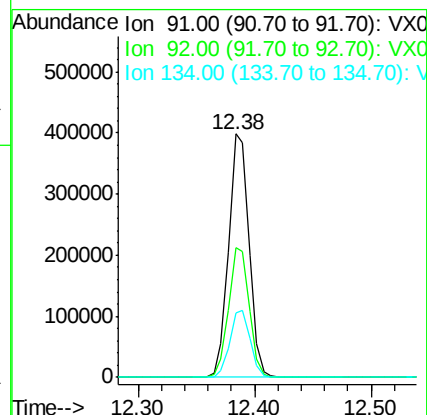
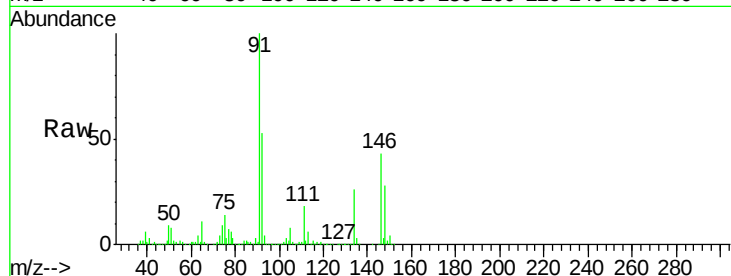
Tot Ion: 91 Resp: 481975

Ion Ratio Lower Upper

91 100

92 53.5 26.3 78.9

134 27.5 13.9 41.6



#90

Hexachloroethane

Concen: 47.801 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX007802.D

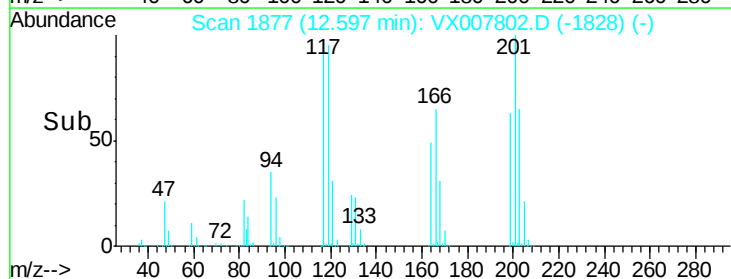
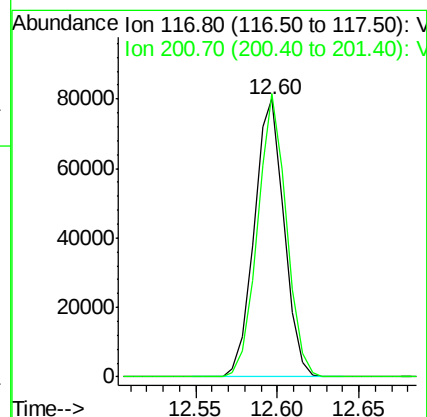
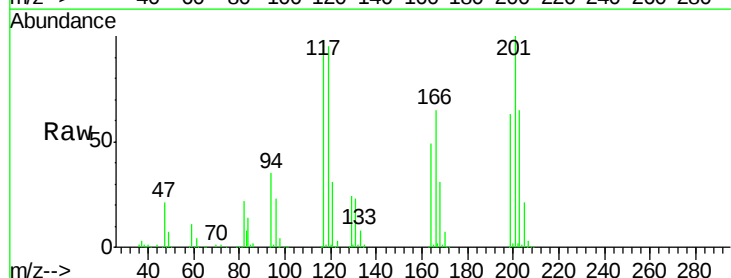
Acq: 01 Mar 2019 20:46

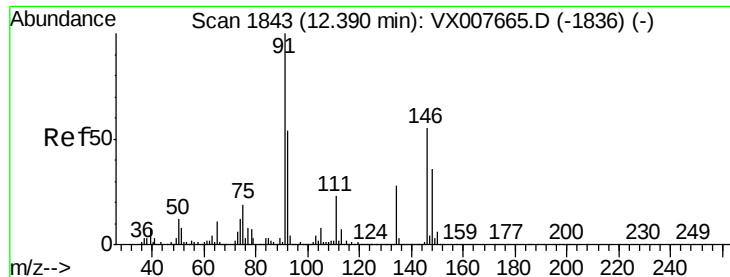
Tgt Ion: 117 Resp: 101766

Ion Ratio Lower Upper

117 100

201 97.8 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 45.578 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

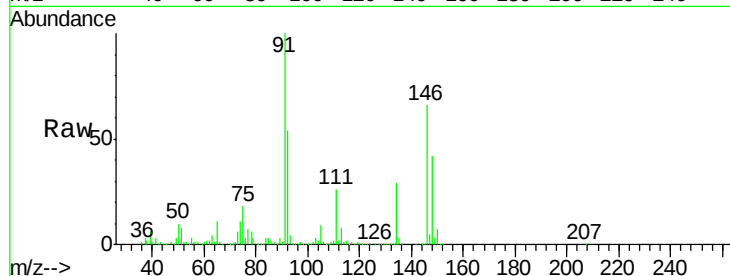
Tot Ion:146 Resp: 309313

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.3

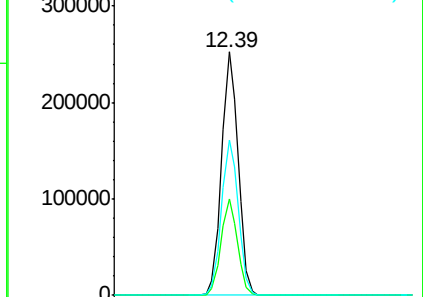
148 64.5 32.1 96.3



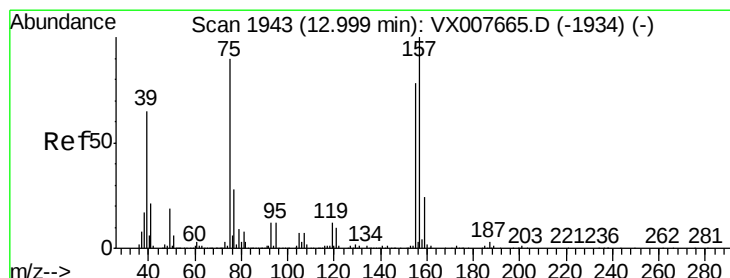
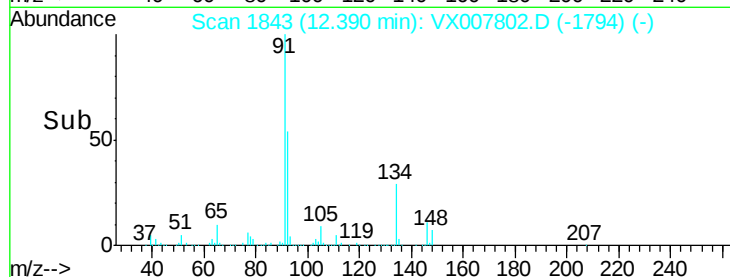
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.567 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

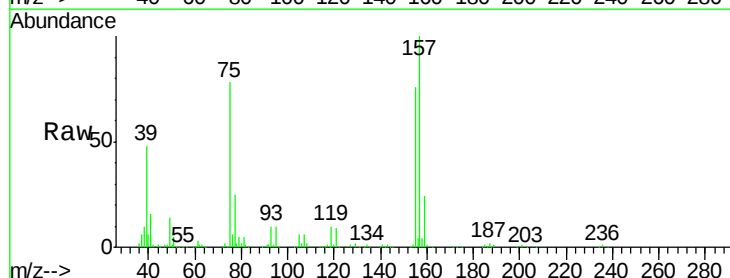
Tgt Ion: 75 Resp: 48963

Ion Ratio Lower Upper

75 100

155 101.3 49.6 149.0

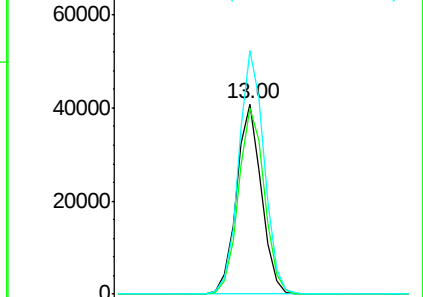
157 130.5 65.1 195.3



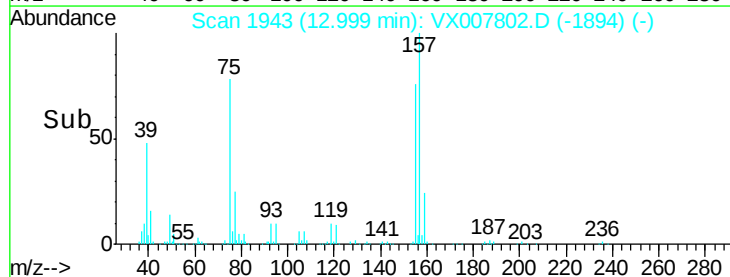
Abundance Ion 74.90 (74.60 to 75.60): VX0

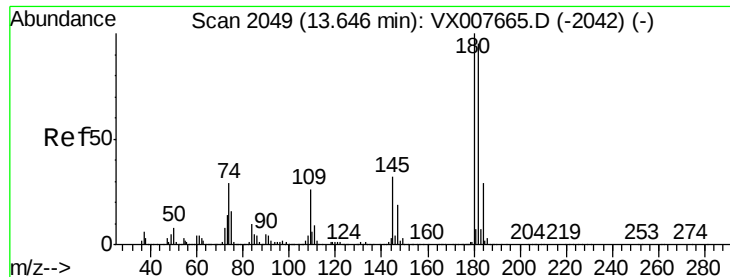
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->

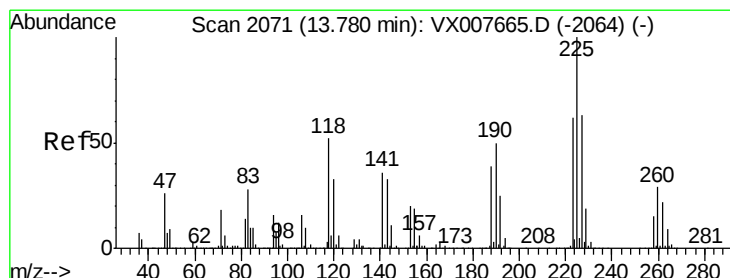
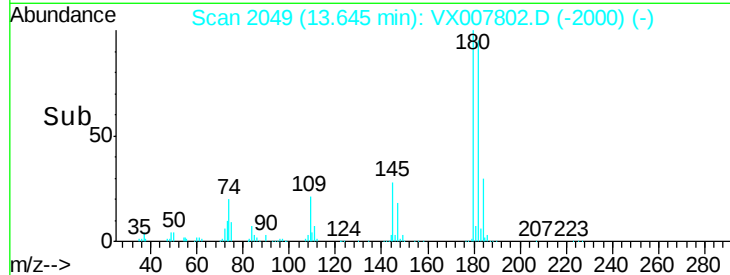
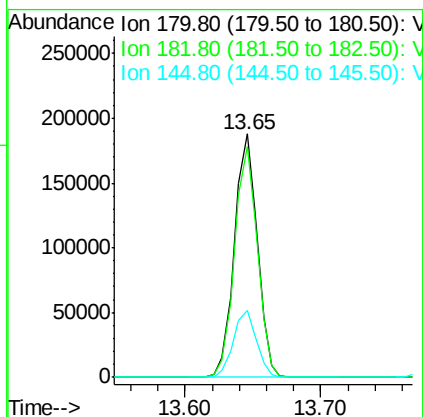
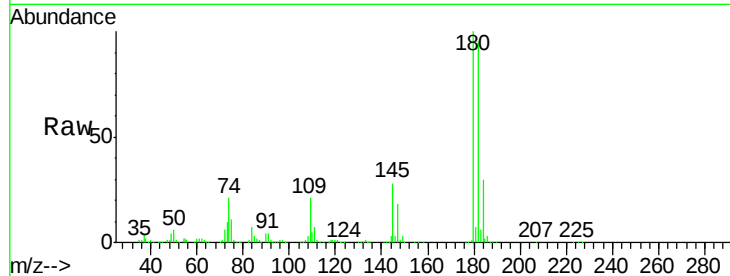




#93
 1,2,4-Trichlorobenzene
 Concen: 53.220 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007802.D
 Acq: 01 Mar 2019 20:46

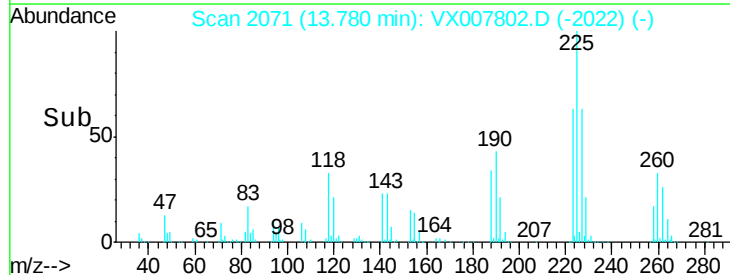
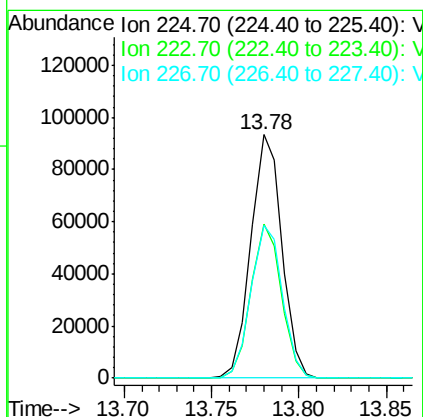
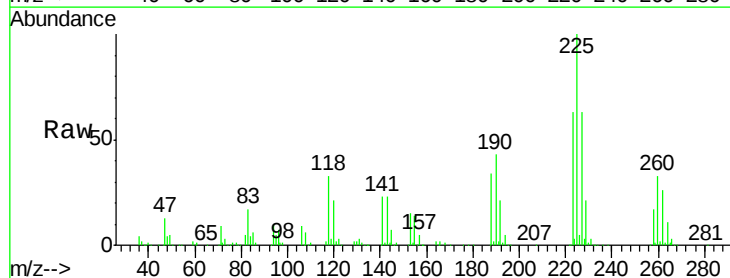
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

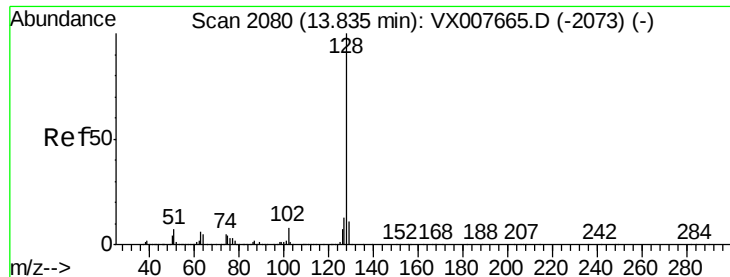
Tot Ion:180 Resp: 220465
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.8 143.3
 145 27.9 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 60.637 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007802.D
 Acq: 01 Mar 2019 20:46

Tgt Ion:225 Resp: 114910
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.6 94.8
 227 63.6 32.1 96.3





#95

Naphthalene

Concen: 49.257 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

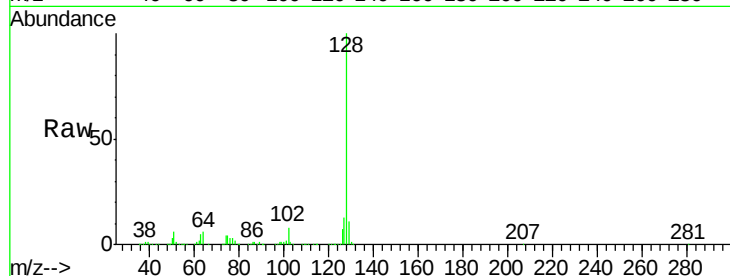
Tot Ion:128 Resp: 661084

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

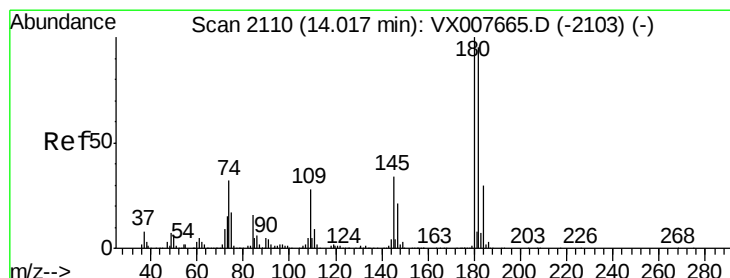
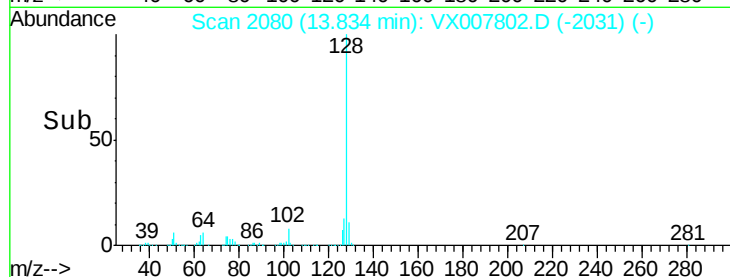
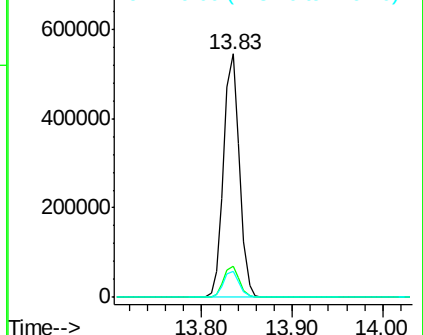
129 10.8 8.7 13.1



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: 53.403 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007802.D

Acq: 01 Mar 2019 20:46

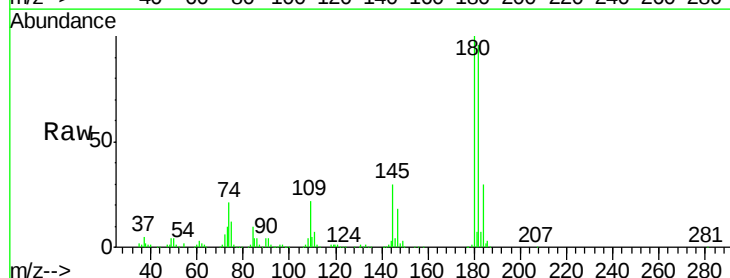
Tgt Ion:180 Resp: 222127

Ion Ratio Lower Upper

180 100

182 95.4 47.5 142.6

145 29.8 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

