

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103018\
 Data File : VX005703.D
 Acq On : 30 Oct 2018 20:20
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 31 01:05:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	198739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	273635	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	256309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147588	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	120413	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
35) Dibromofluoromethane	5.49	113	99745	53.83	ug/l	0.00
Spiked Amount			Recovery	=	107.66%	
50) Toluene-d8	8.72	98	350783	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
62) 4-Bromofluorobenzene	11.14	95	133164	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	126042	64.253	ug/l	92
3) Chloromethane	1.32	50	133368	53.387	ug/l	98
4) Vinyl Chloride	1.41	62	131448	53.512	ug/l	94
5) Bromomethane	1.64	94	61204	40.042	ug/l	97
6) Chloroethane	1.71	64	78133	49.791	ug/l	97
7) Trichlorofluoromethane	1.93	101	174895	51.241	ug/l	97
8) Diethyl Ether	2.19	74	67512	49.564	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	103265	52.731	ug/l	99
10) Methyl Iodide	2.51	142	95233	46.750	ug/l	99
11) Tert butyl alcohol	3.07	59	163408	250.308	ug/l	98
12) 1,1-Dichloroethene	2.37	96	93037	49.871	ug/l	90
13) Acrolein	2.29	56	63883	191.834	ug/l	96
14) Allyl chloride	2.73	41	202253	48.577	ug/l	99
15) Acrylonitrile	3.15	53	368422	251.674	ug/l	98
16) Acetone	2.45	43	323985	252.733	ug/l	99
17) Carbon Disulfide	2.57	76	284941	50.105	ug/l	99
18) Methyl Acetate	2.78	43	188668	59.864	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	342060	51.401	ug/l	94
20) Methylene Chloride	2.85	84	110729	51.574	ug/l	81
21) trans-1,2-Dichloroethene	3.17	96	100230	49.207	ug/l	97
22) Diisopropyl ether	3.88	45	356233	48.995	ug/l	# 86
23) Vinyl Acetate	3.82	43	1677198	261.922	ug/l	97
24) 1,1-Dichloroethane	3.70	63	201685	51.021	ug/l	99
25) 2-Butanone	4.70	43	518275	265.494	ug/l	93
26) 2,2-Dichloropropane	4.58	77	135110	44.271	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	107198	48.816	ug/l	95
28) Bromochloromethane	5.02	49	102250	53.481	ug/l	99
29) Tetrahydrofuran	5.15	42	343563	270.438	ug/l	98
30) Chloroform	5.21	83	194038	52.476	ug/l	94
31) Cyclohexane	5.57	56	165774	50.685	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	162038	49.651	ug/l	99
36) 1,1-Dichloropropene	5.80	75	130397	49.104	ug/l	97
37) Ethyl Acetate	4.85	43	181416	53.536	ug/l	99
38) Carbon Tetrachloride	5.78	117	142521	50.957	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	149478	50.976	ug/l	97
40) Benzene	6.14	78	412316	54.164	ug/l	98
41) Methacrylonitrile	5.06	41	105127	55.694	ug/l	98
42) 1,2-Dichloroethane	6.20	62	149994	51.868	ug/l	99
43) Isopropyl Acetate	6.46	43	254974	50.212	ug/l	97
44) Trichloroethene	7.21	130	106398	51.306	ug/l	98
45) 1,2-Dichloropropane	7.52	63	106574	52.074	ug/l	99
46) Dibromomethane	7.66	93	67107	50.769	ug/l	98
47) Bromodichloromethane	7.90	83	134270	52.338	ug/l	97
48) Methyl methacrylate	7.77	41	132018	53.367	ug/l	100
49) 1,4-Dioxane	7.75	88	54217	1002.897	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	889700	260.703	ug/l	99
52) Toluene	8.79	92	242671	52.454	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	145753	52.568	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	156878	52.553	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	99715	51.122	ug/l	99
56) Ethyl methacrylate	9.18	69	157294	54.065	ug/l	99
57) 1,3-Dichloropropane	9.37	76	169483	51.353	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	414211	254.914	ug/l	100
59) 2-Hexanone	9.49	43	704982	262.003	ug/l	99
60) Dibromochloromethane	9.59	129	109255	53.687	ug/l	99
61) 1,2-Dibromoethane	9.67	107	104920	51.995	ug/l	100
64) Tetrachloroethene	9.34	164	110427	51.899	ug/l	98
65) Chlorobenzene	10.14	112	274445	50.284	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	102322	51.415	ug/l	100
67) Ethyl Benzene	10.25	91	471291	52.483	ug/l	100
68) m/p-Xylenes	10.36	106	365337	104.863	ug/l	100
69) o-Xylene	10.70	106	176290	53.784	ug/l	100
70) Styrene	10.71	104	298684	54.434	ug/l	99
71) Bromoform	10.86	173	91349	51.439	ug/l	99
73) Isopropylbenzene	11.02	105	482442	53.475	ug/l	99
74) N-amyl acetate	10.90	43	232030	51.905	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	163747	49.197	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	189270	60.527	ug/l	85
77) Bromobenzene	11.26	156	128459	51.092	ug/l	99
78) n-propylbenzene	11.36	91	555485	53.846	ug/l	99
79) 2-Chlorotoluene	11.42	91	329567	51.525	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	412077	53.394	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	45827	47.886	ug/l	98
82) 4-Chlorotoluene	11.51	91	390655	51.796	ug/l	100
83) tert-Butylbenzene	11.77	119	404945	52.638	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	426248	54.495	ug/l	100
85) sec-Butylbenzene	11.94	105	490932	53.480	ug/l	100
86) p-Isopropyltoluene	12.07	119	445850	54.331	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	239303	50.614	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	242575	49.151	ug/l	100
89) n-Butylbenzene	12.39	91	387343	52.285	ug/l	100
90) Hexachloroethane	12.60	117	73758	52.114	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	242905	50.780	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41373	51.409	ug/l	98

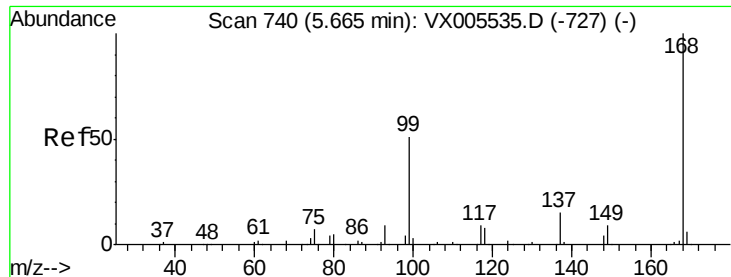
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	179625	51.801	ug/l	99
94) Hexachlorobutadiene	13.79	225	87935	48.935	ug/l	99
95) Naphthalene	13.83	128	560426	55.601	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	185923	52.894	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

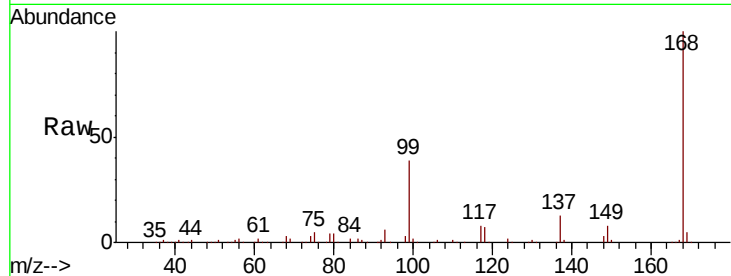
VSTDCCC050EC

Tot Ion:168 Resp: 198739

Ion Ratio Lower Upper

168 100

99 39.4 40.7 61.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

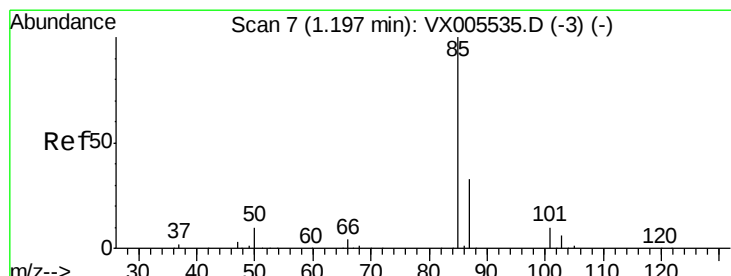
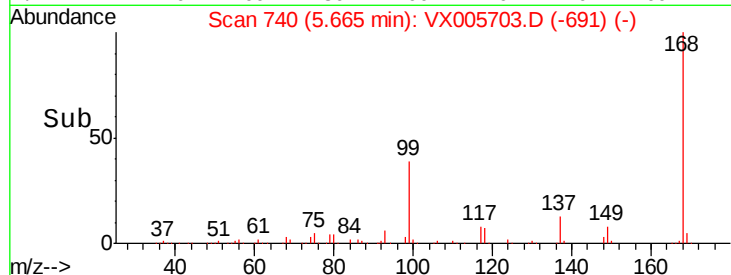
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 64.253 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005703.D

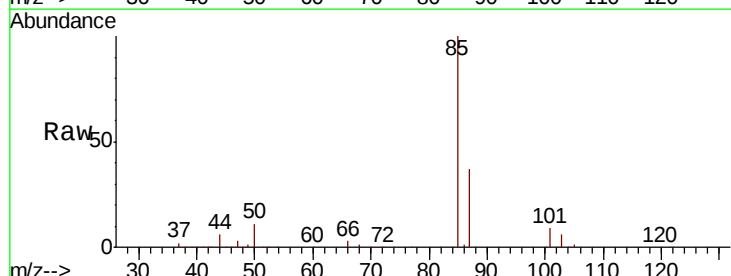
Acq: 30 Oct 2018 20:20

Tgt Ion: 85 Resp: 126042

Ion Ratio Lower Upper

85 100

87 37.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

100000

50000

0

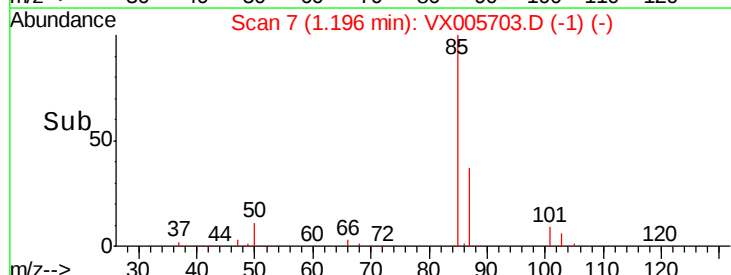
Time-->

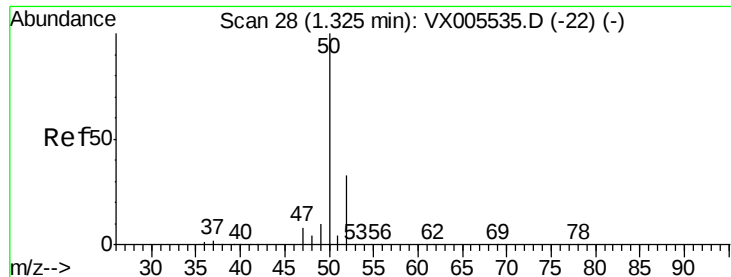
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 53.387 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

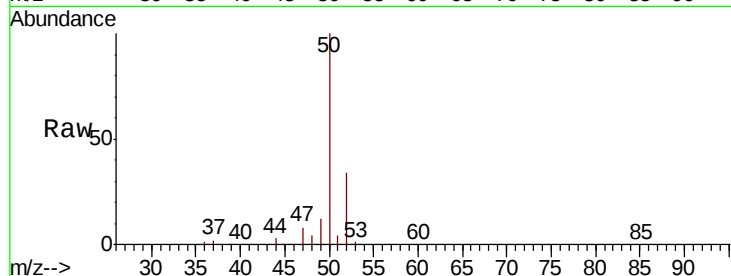
VSTDCCC050EC

Tot Ion: 50 Resp: 133368

Ion Ratio Lower Upper

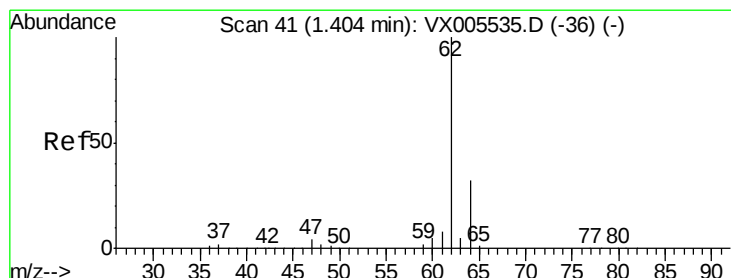
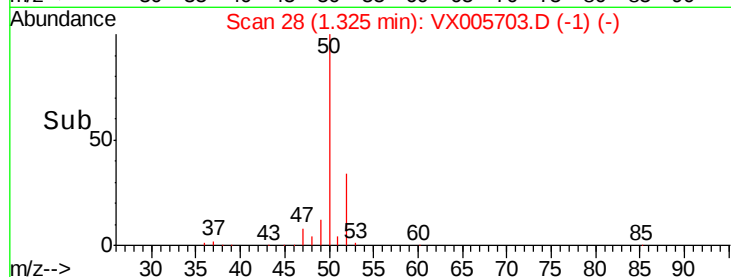
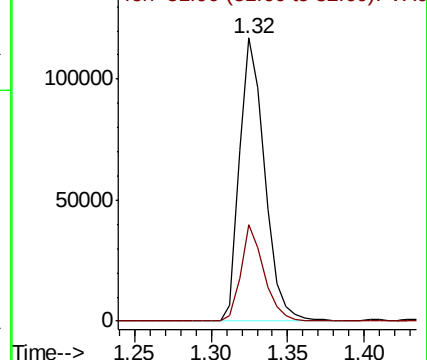
50 100

52 34.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 53.512 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005703.D

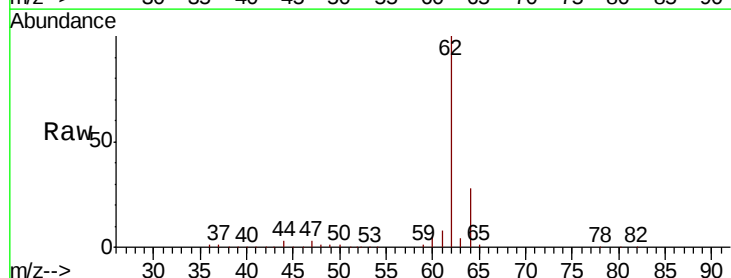
Acq: 30 Oct 2018 20:20

Tgt Ion: 62 Resp: 131448

Ion Ratio Lower Upper

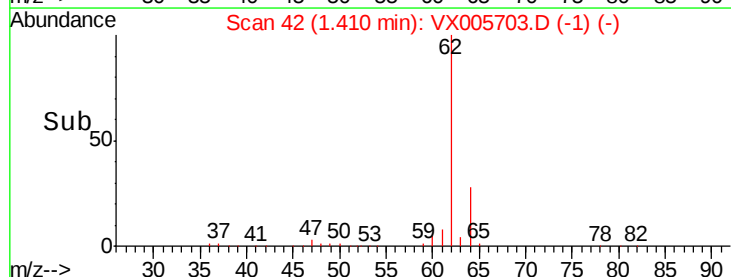
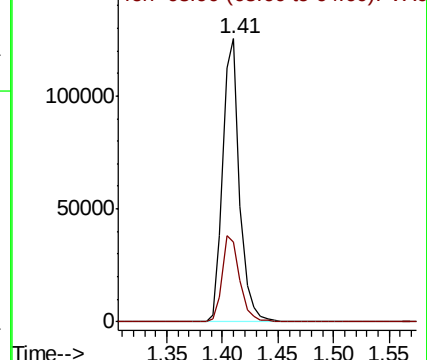
62 100

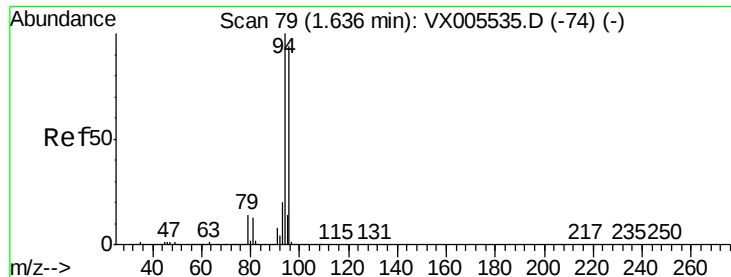
64 28.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 40.042 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

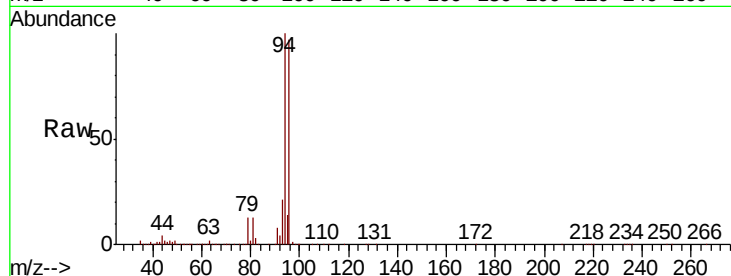
VSTDCCC050EC

Tot Ion: 94 Resp: 61204

Ion Ratio Lower Upper

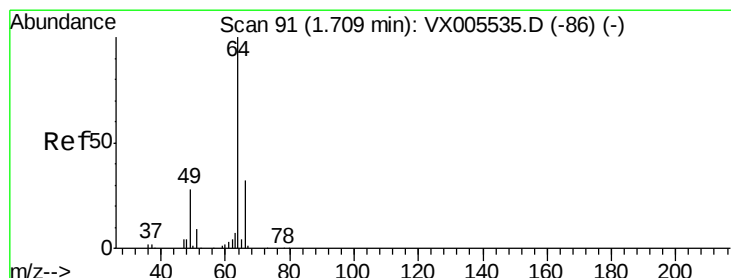
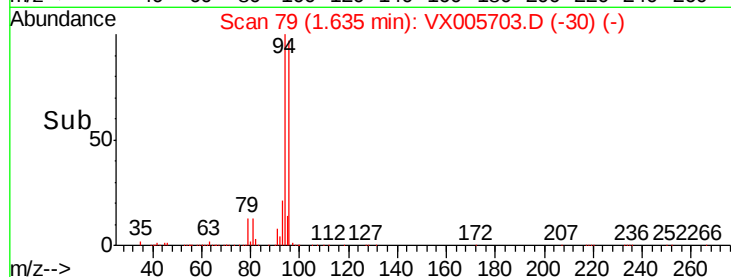
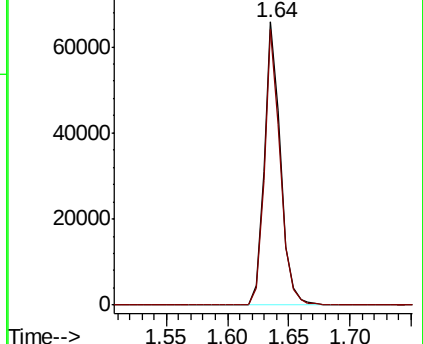
94 100

96 97.2 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.791 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005703.D

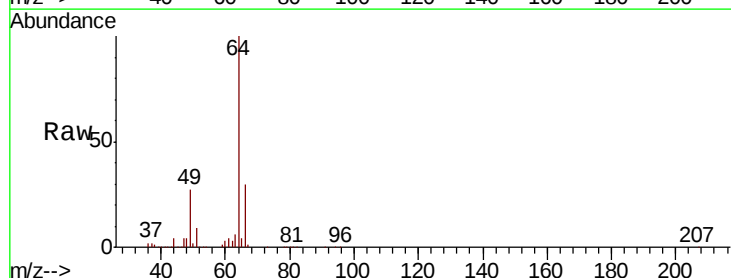
Acq: 30 Oct 2018 20:20

Tgt Ion: 64 Resp: 78133

Ion Ratio Lower Upper

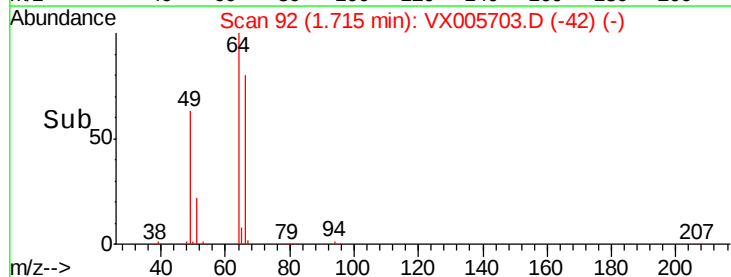
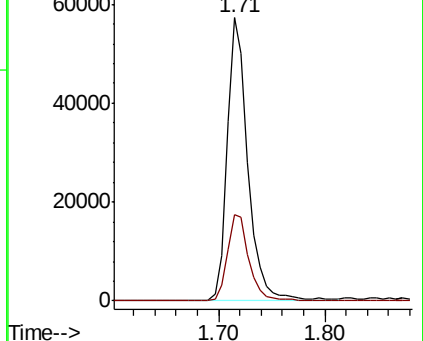
64 100

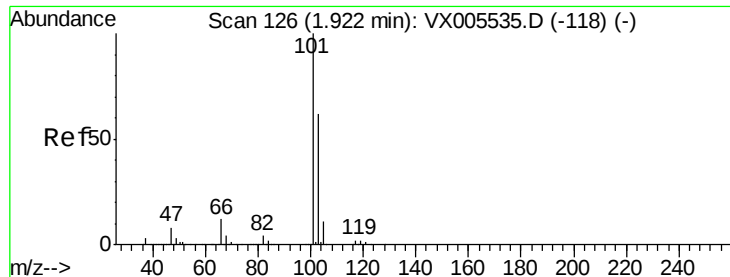
66 30.4 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



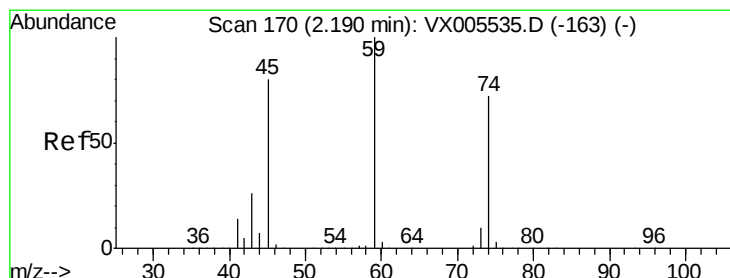
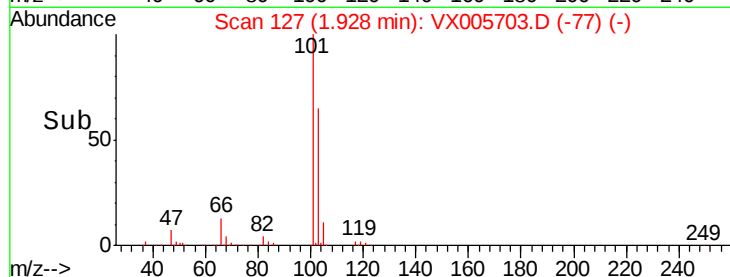
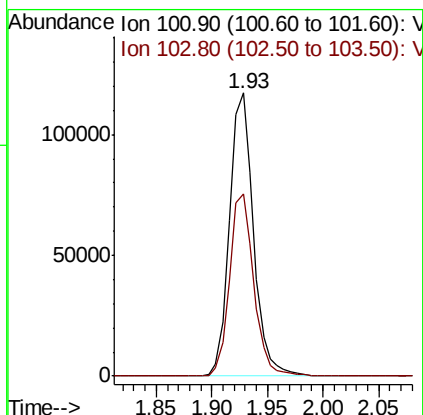
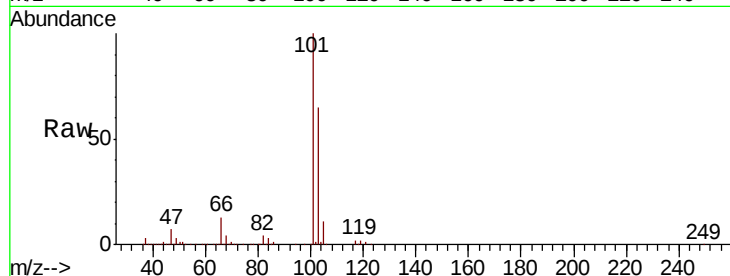


#7

Trichlorofluoromethane
 Concen: 51.241 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Instrument :
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 VSTDCCC050EC

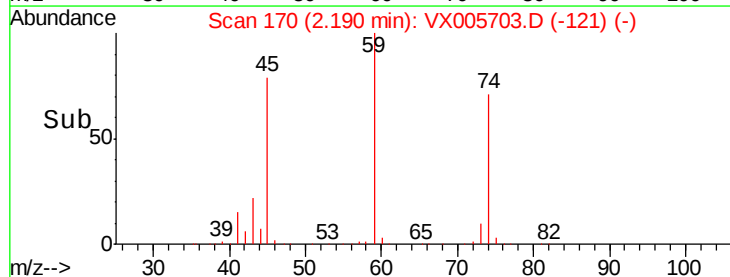
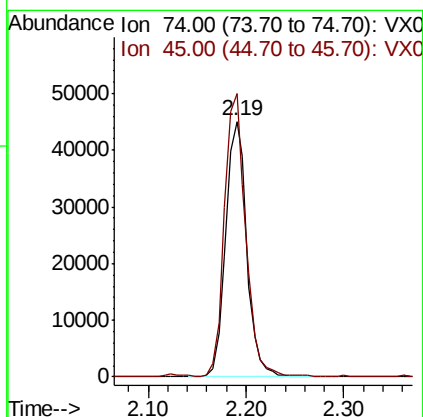
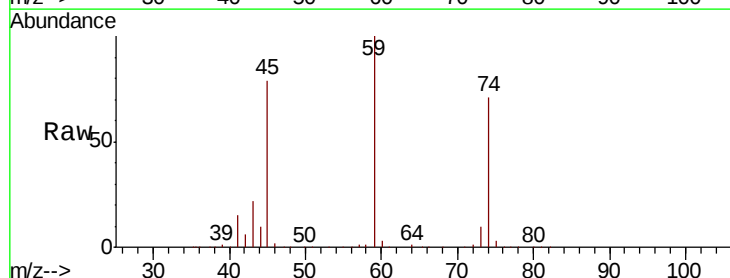
Tot Ion:101 Resp: 174895
 Ion Ratio Lower Upper
 101 100
 103 64.5 50.0 75.0

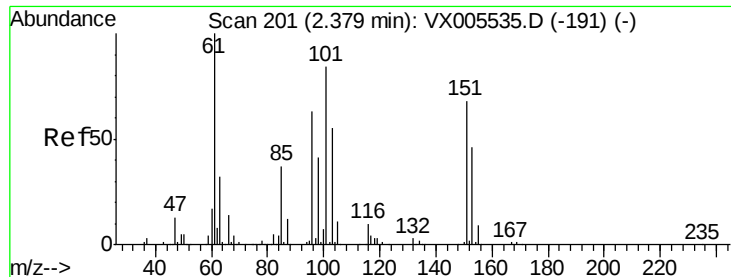


#8

Diethyl Ether
 Concen: 49.564 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Tgt Ion: 74 Resp: 67512
 Ion Ratio Lower Upper
 74 100
 45 110.3 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.731 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

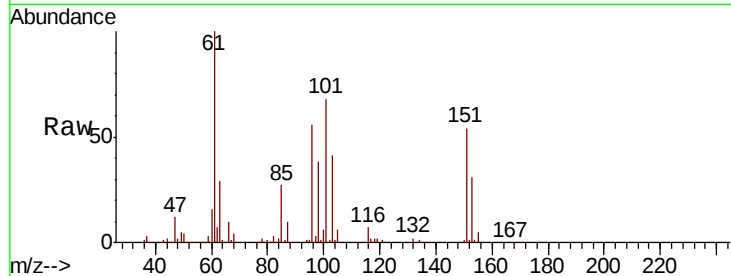
Tot Ion:101 Resp: 103265

Ion Ratio Lower Upper

101 100

85 43.2 35.0 52.4

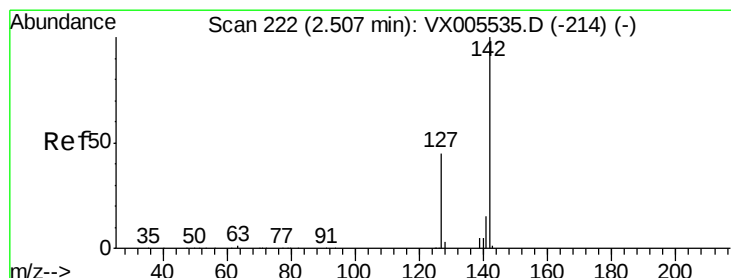
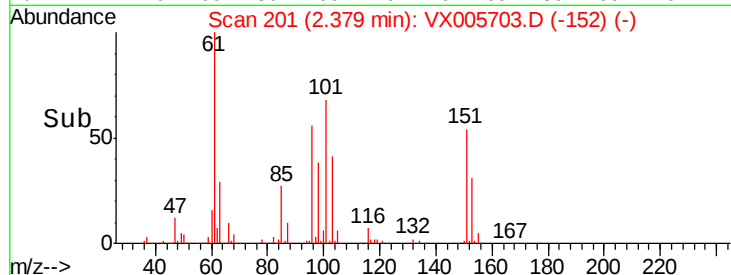
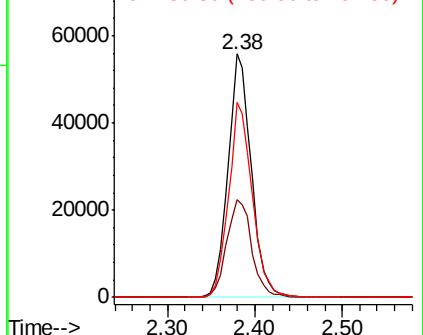
151 81.5 66.2 99.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.750 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

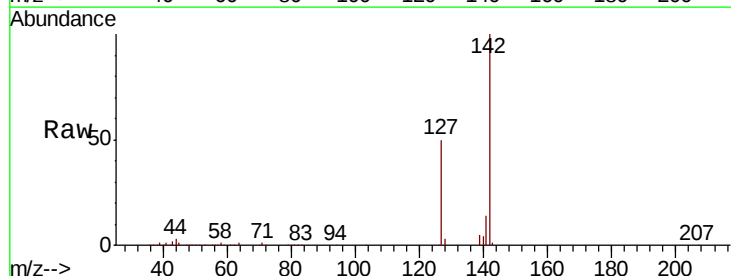
Tgt Ion:142 Resp: 95233

Ion Ratio Lower Upper

142 100

127 45.3 36.0 54.0

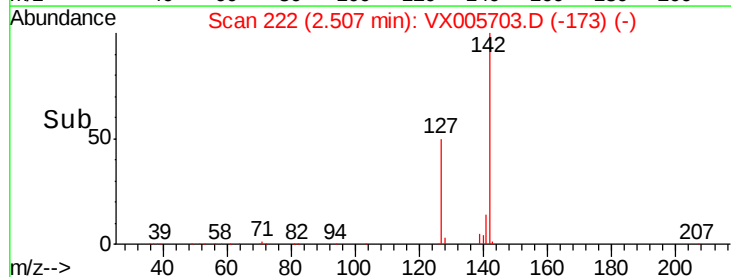
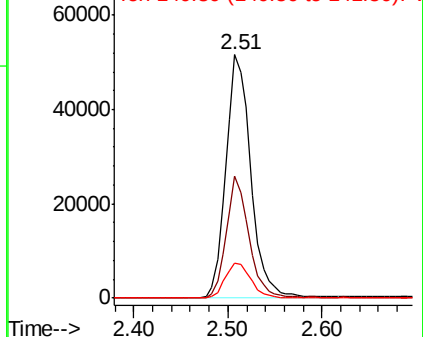
141 14.9 11.7 17.5

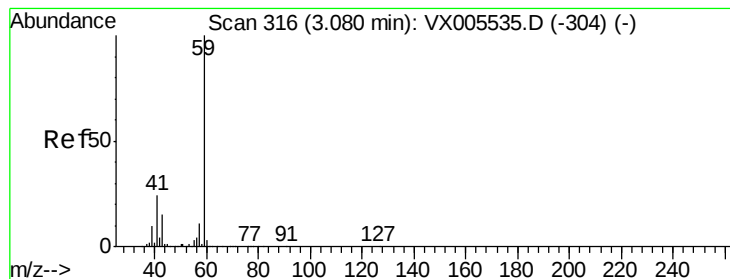


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



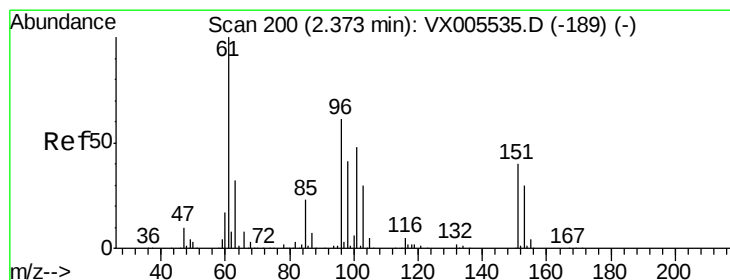
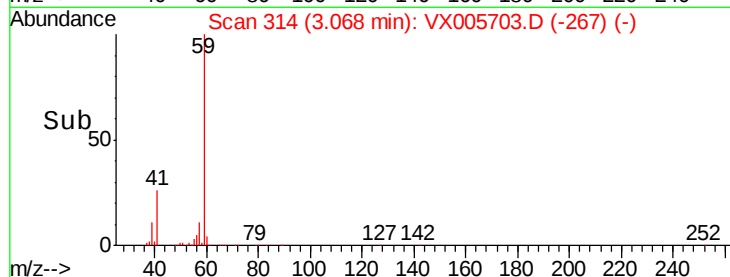
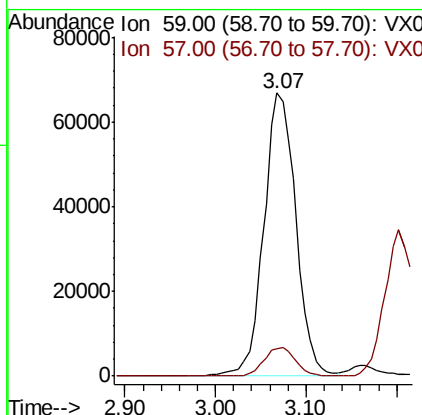
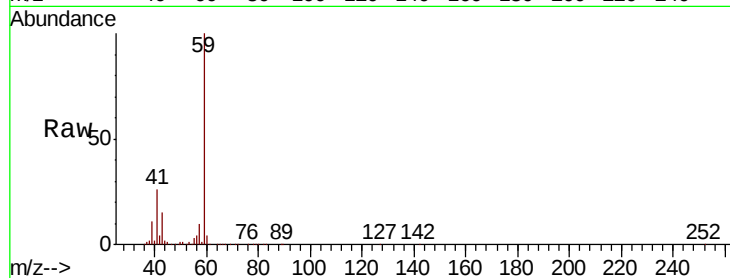


#11

Tert butyl alcohol
 Concen: 250.308 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

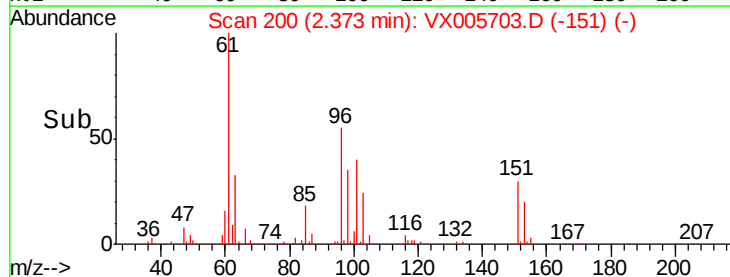
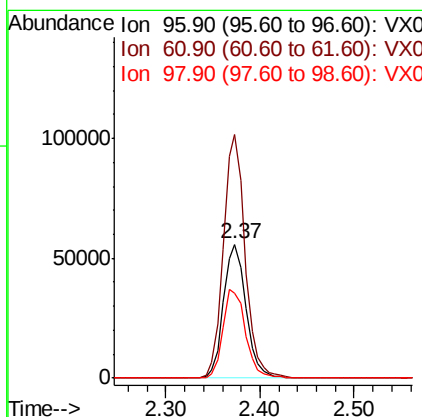
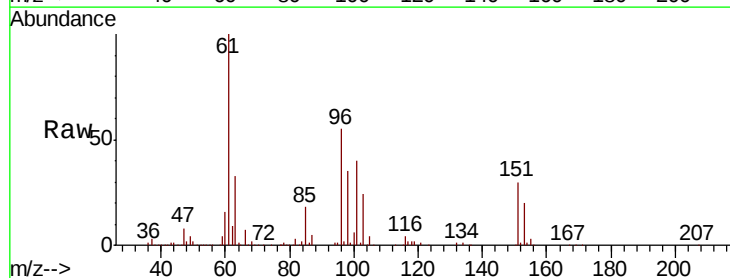
Tot Ion: 59 Resp: 163408
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.5 12.7

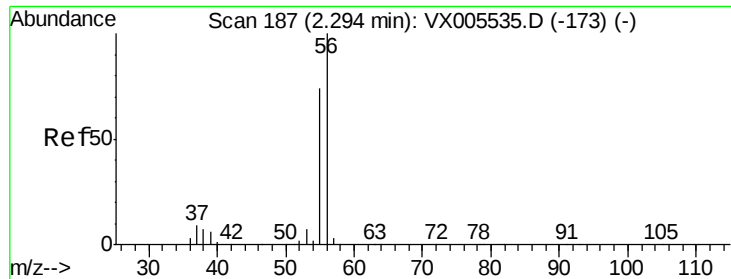


#12

1,1-Dichloroethene
 Concen: 49.871 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Tgt Ion: 96 Resp: 93037
 Ion Ratio Lower Upper
 96 100
 61 182.3 131.8 197.8
 98 63.6 53.4 80.2





#13

Acrolein

Concen: 191.834 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

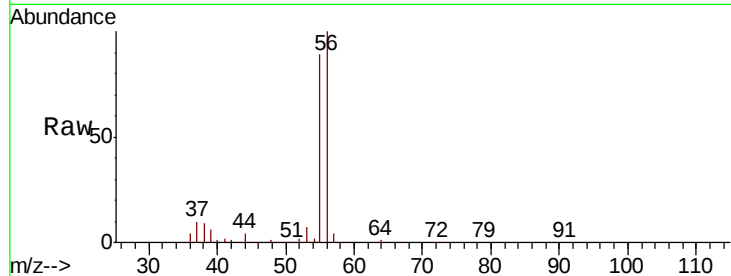
VSTDCCC050EC

Tot Ion: 56 Resp: 63883

Ion Ratio Lower Upper

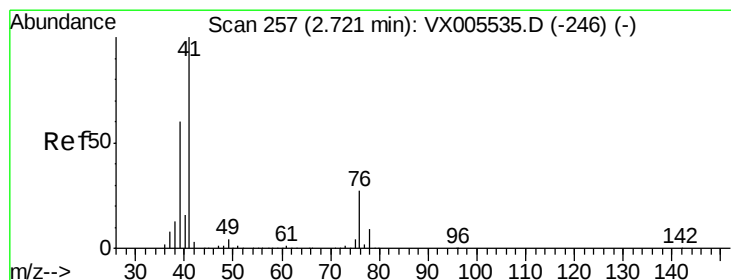
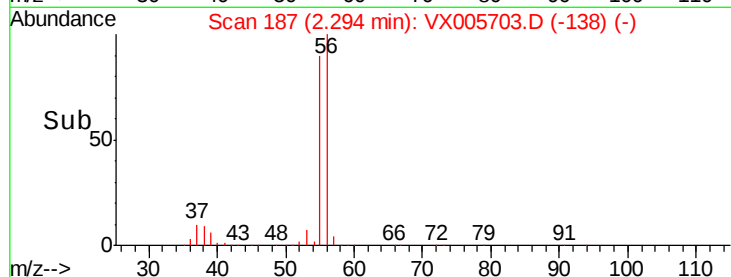
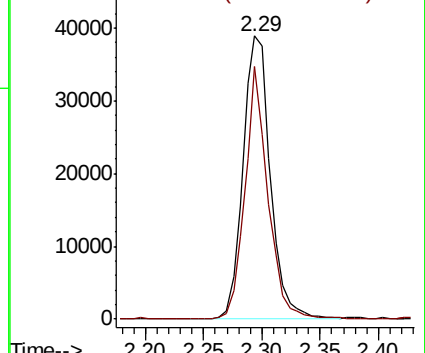
56 100

55 75.1 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 48.577 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

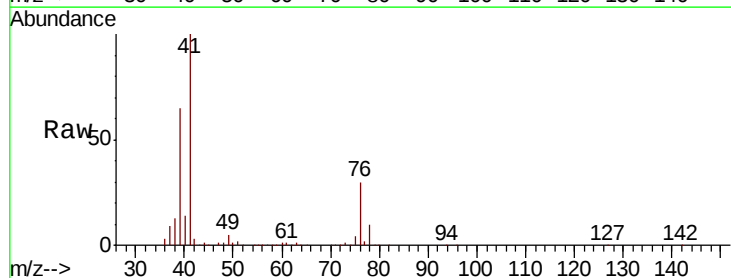
Tgt Ion: 41 Resp: 202253

Ion Ratio Lower Upper

41 100

39 60.8 48.2 72.4

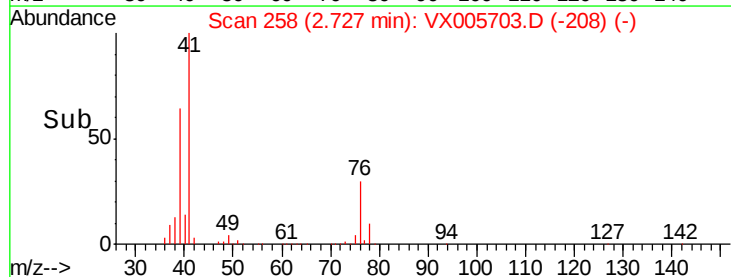
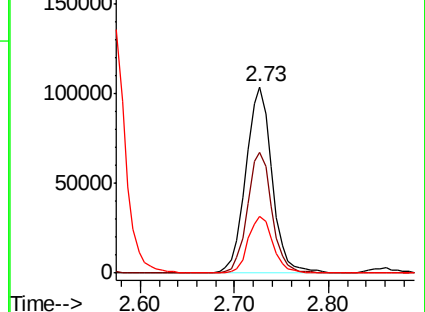
76 28.6 21.9 32.9

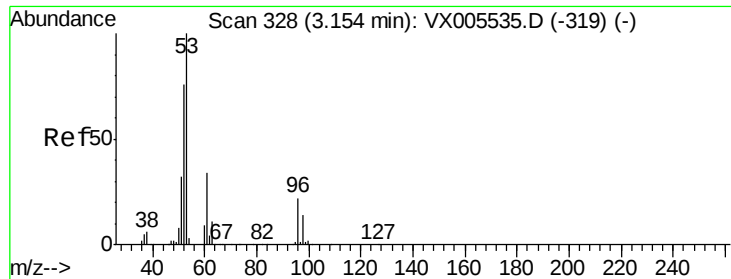


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 251.674 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

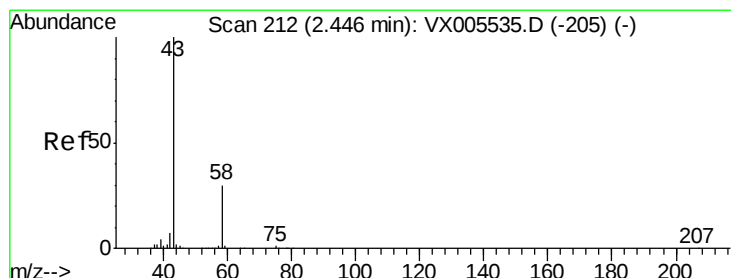
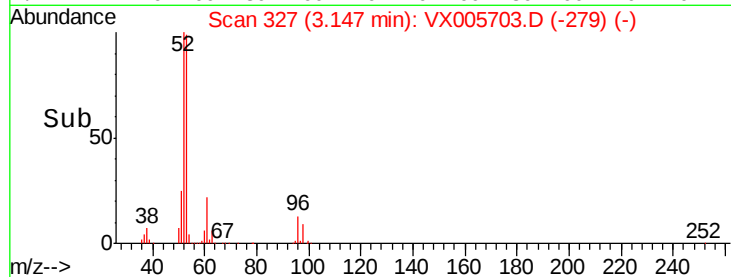
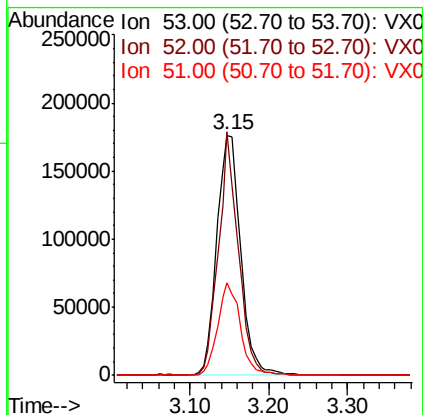
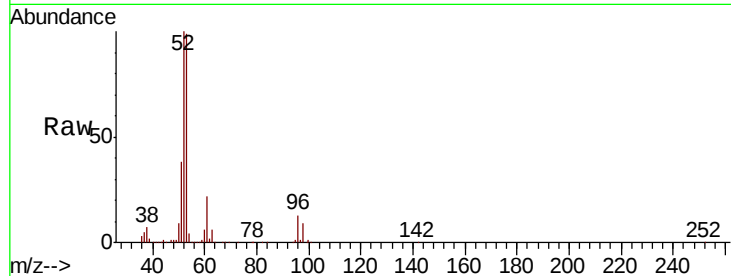
Tot Ion: 53 Resp: 368422

Ion Ratio Lower Upper

53 100

52 84.9 66.6 99.8

51 36.6 28.4 42.6



#16

Acetone

Concen: 252.733 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005703.D

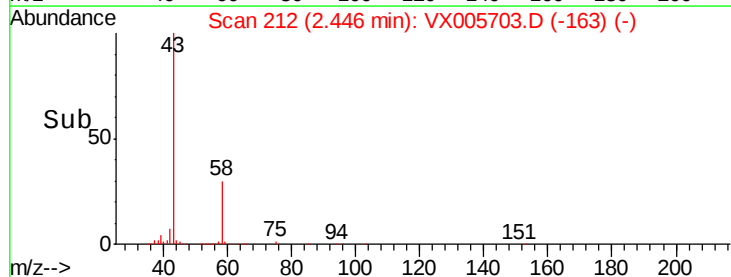
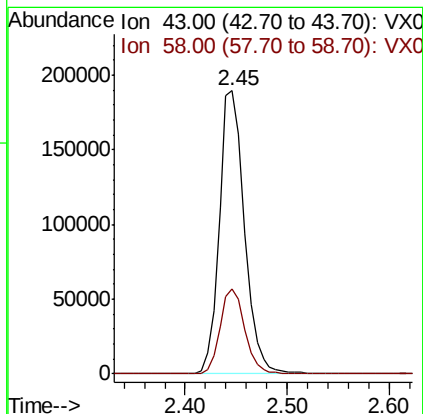
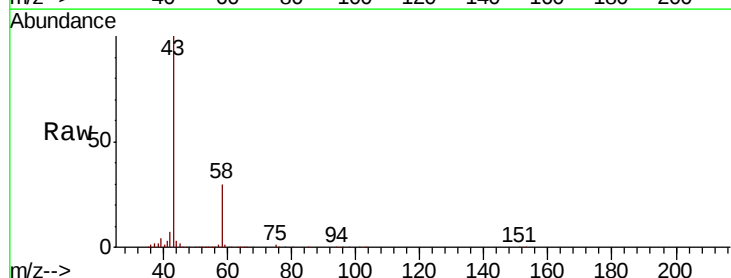
Acq: 30 Oct 2018 20:20

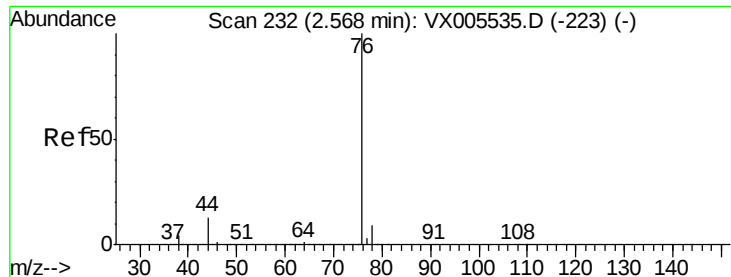
Tgt Ion: 43 Resp: 323985

Ion Ratio Lower Upper

43 100

58 30.1 23.8 35.6

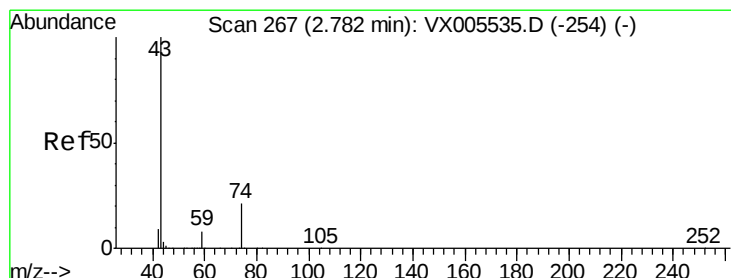
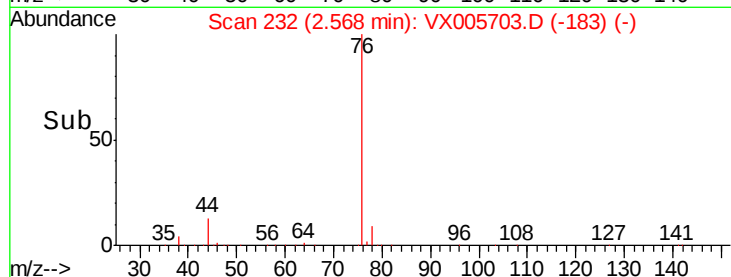
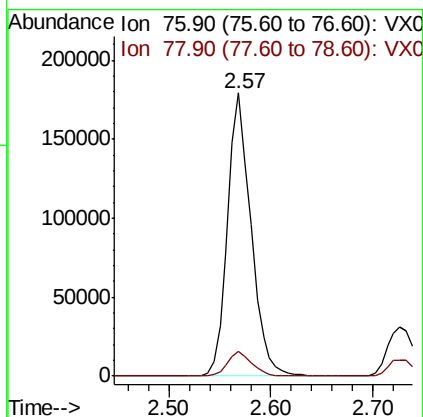
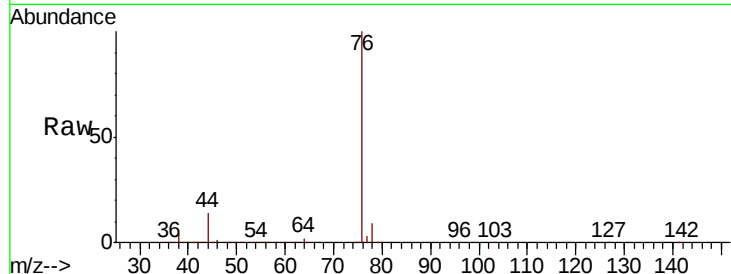




#17
Carbon Disulfide
Concen: 50.105 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

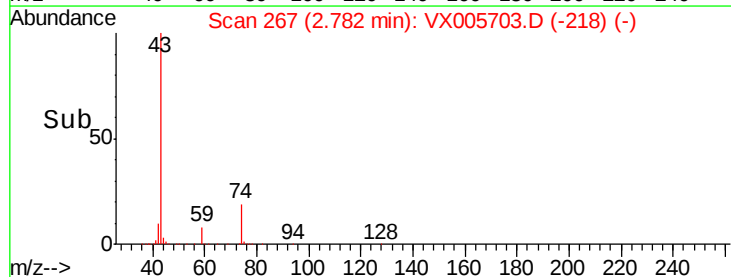
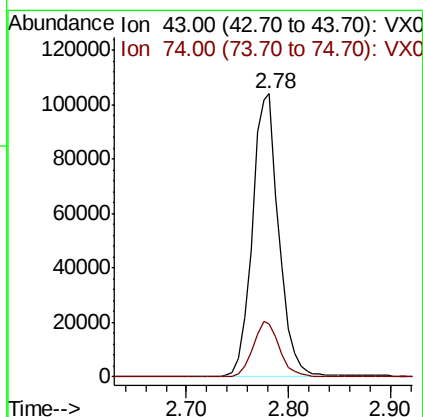
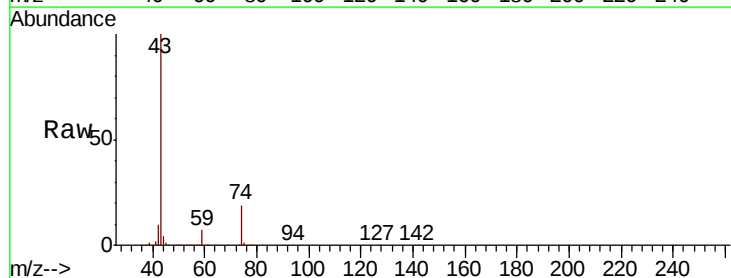
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

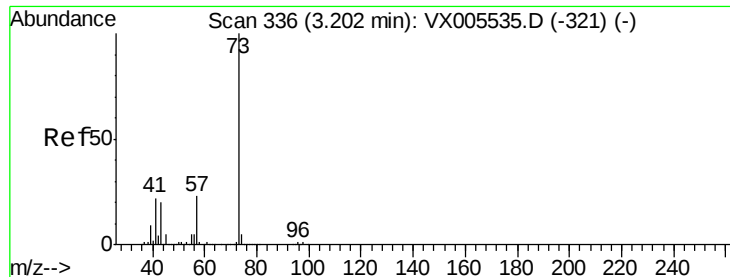
Tot Ion: 76 Resp: 284941
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9



#18
Methyl Acetate
Concen: 59.864 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

Tgt Ion: 43 Resp: 188668
Ion Ratio Lower Upper
43 100
74 19.9 16.8 25.2

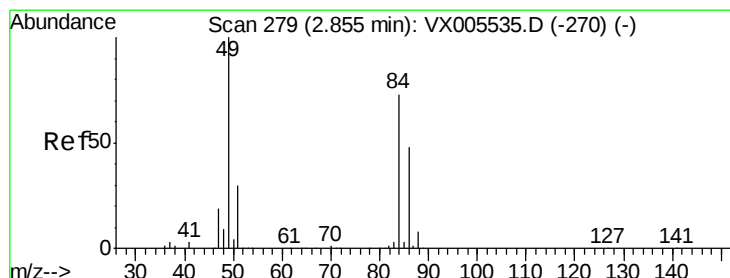
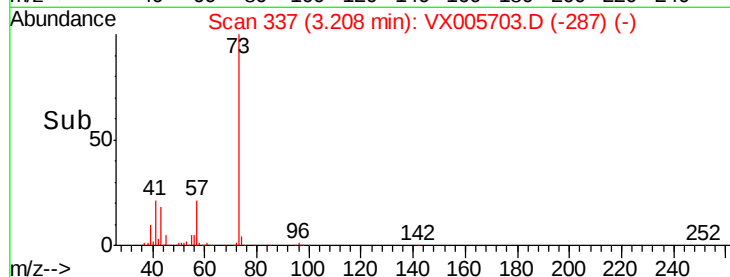
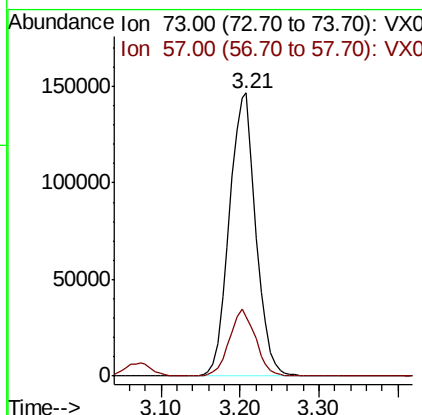
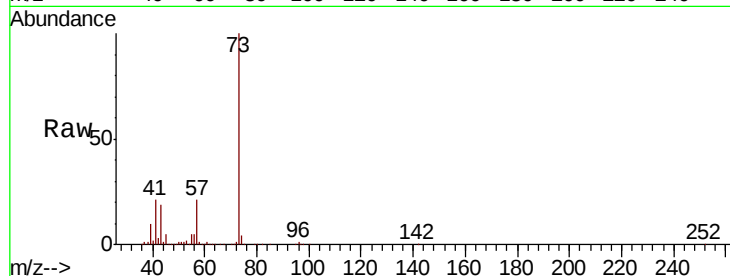




#19
Methyl tert-butyl Ether
Concen: 51.401 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

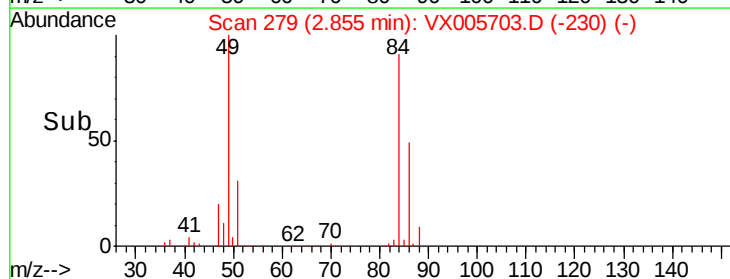
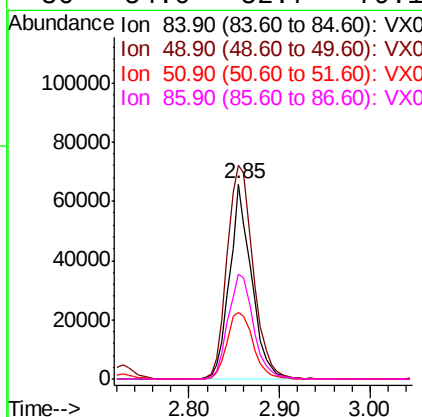
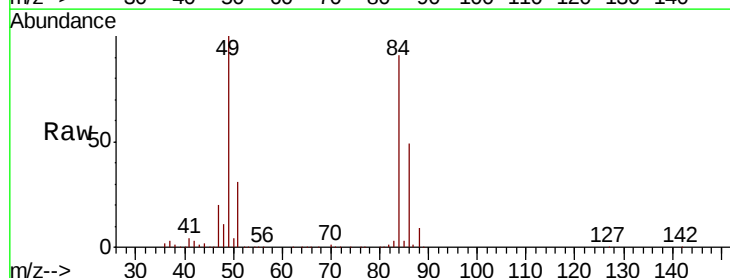
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

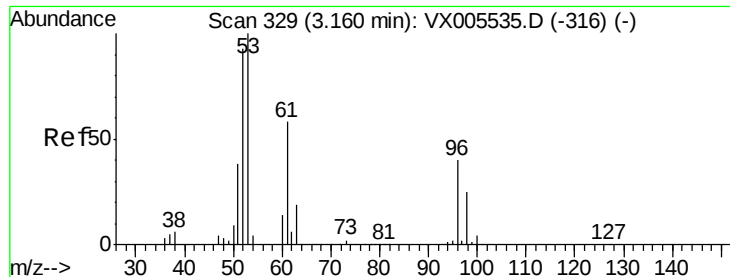
Tot Ion: 73 Resp: 342060
Ion Ratio Lower Upper
73 100
57 20.7 18.8 28.2



#20
Methylene Chloride
Concen: 51.574 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

Tgt Ion: 84 Resp: 110729
Ion Ratio Lower Upper
84 100
49 109.8 109.5 164.3
51 34.1 33.3 49.9
86 54.0 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 49.207 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

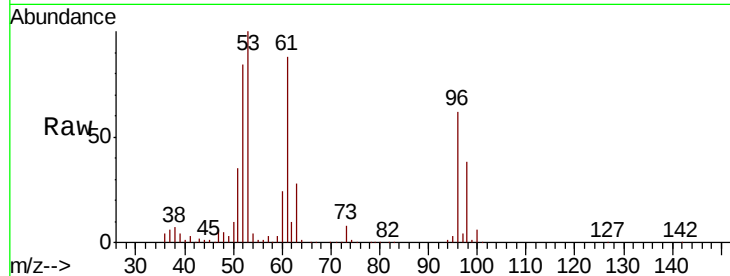
Tot Ion: 96 Resp: 100230

Ion Ratio Lower Upper

96 100

61 140.7 115.6 173.4

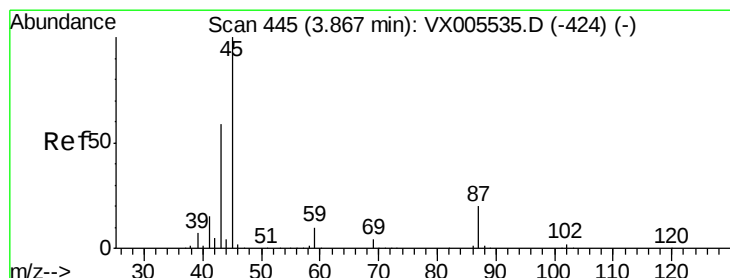
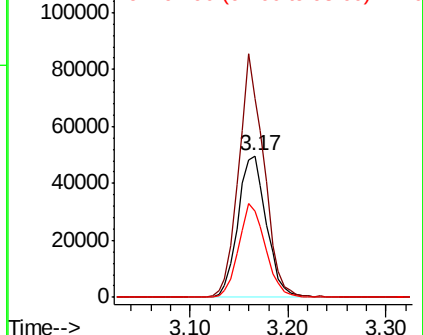
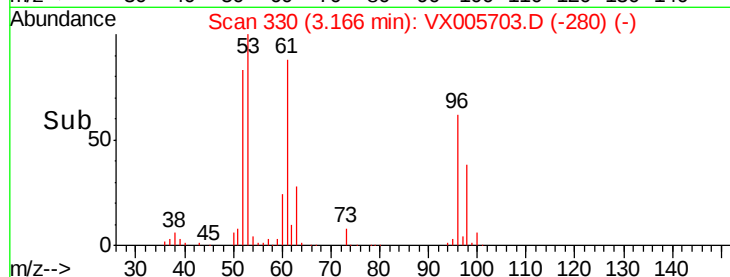
98 61.4 50.2 75.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.995 ug/l

RT: 3.88 min Scan# 447

Delta R.T. 0.01 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Tgt Ion: 45 Resp: 356233

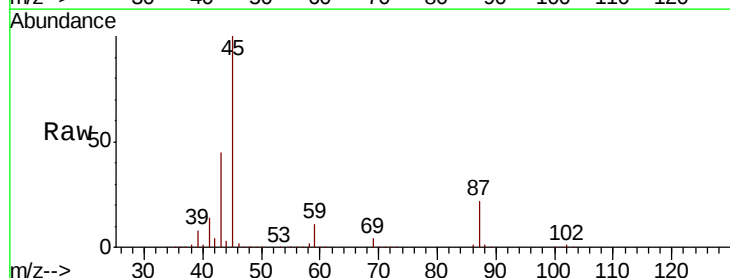
Ion Ratio Lower Upper

45 100

43 44.9 47.4 71.2#

87 22.4 15.9 23.9

59 10.5 7.7 11.5

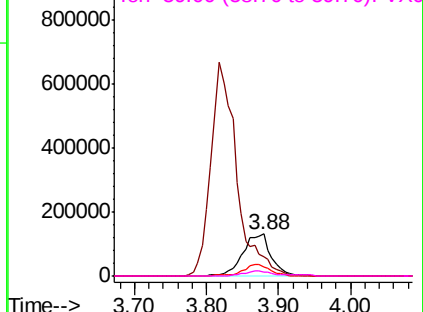
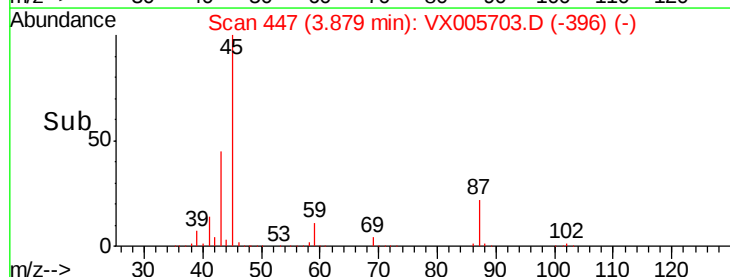


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 261.922 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

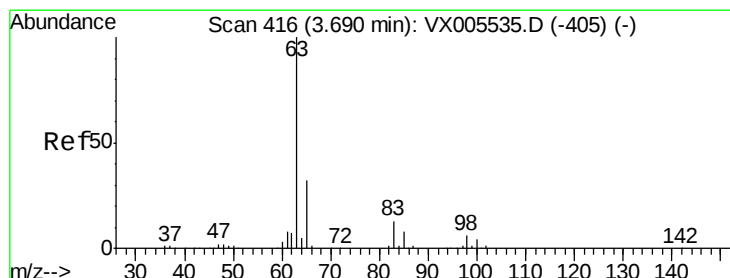
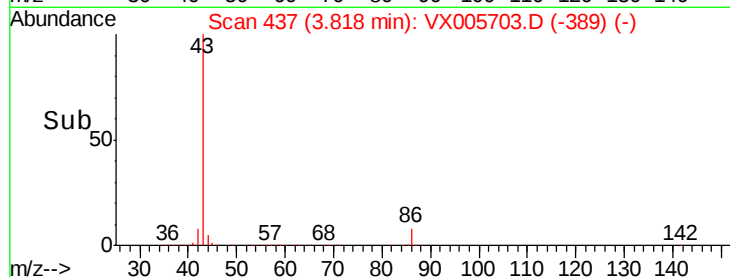
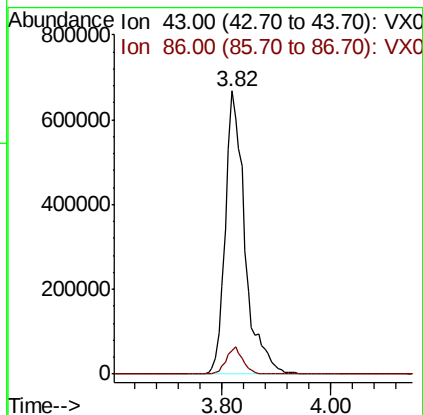
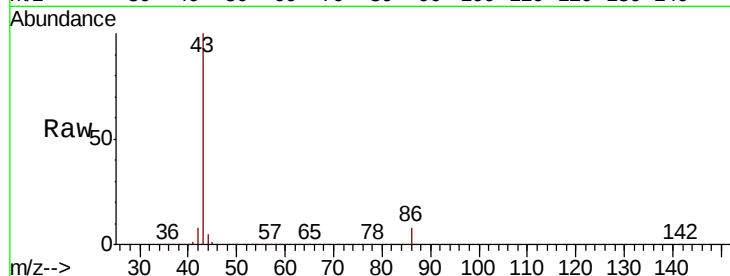
VSTDCCC050EC

Tot Ion: 43 Resp: 1677198

Ion Ratio Lower Upper

43 100

86 8.1 7.4 11.2



#24

1,1-Dichloroethane

Concen: 51.021 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

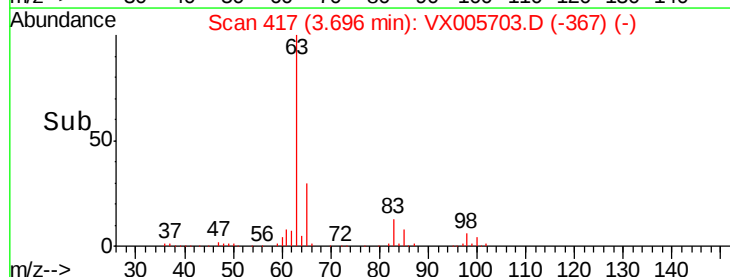
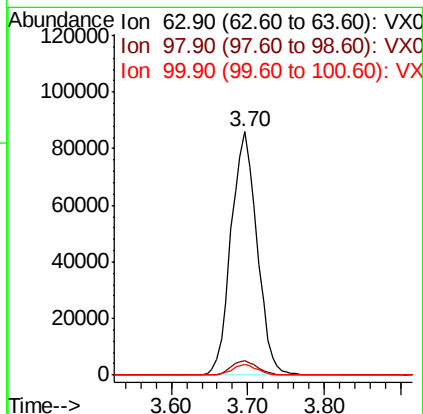
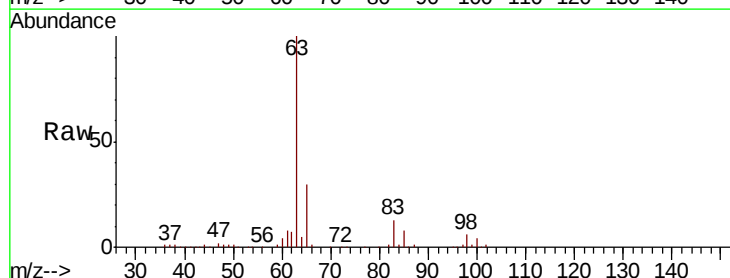
Tgt Ion: 63 Resp: 201685

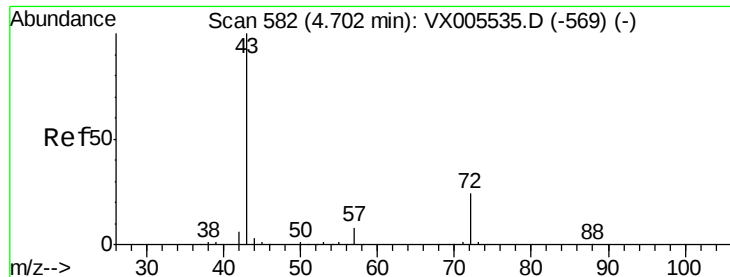
Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 4.2 2.1 6.2





#25

2-Butanone

Concen: 265.494 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

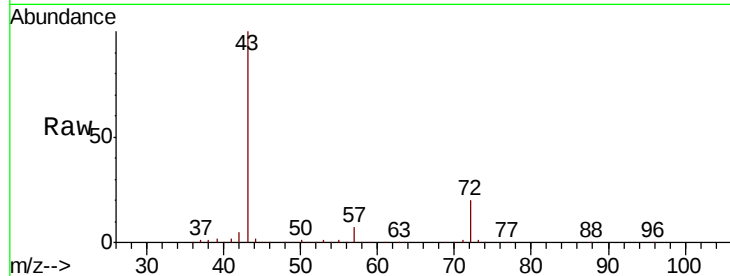
VSTDCCC050EC

Tot Ion: 43 Resp: 518275

Ion Ratio Lower Upper

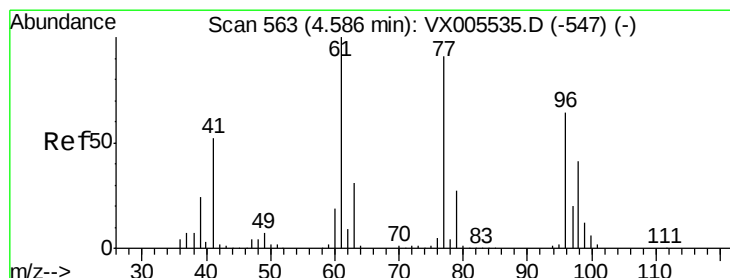
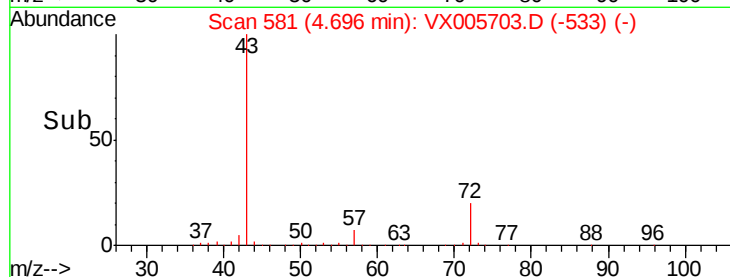
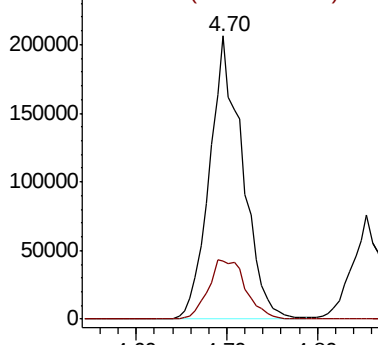
43 100

72 20.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 44.271 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX005703.D

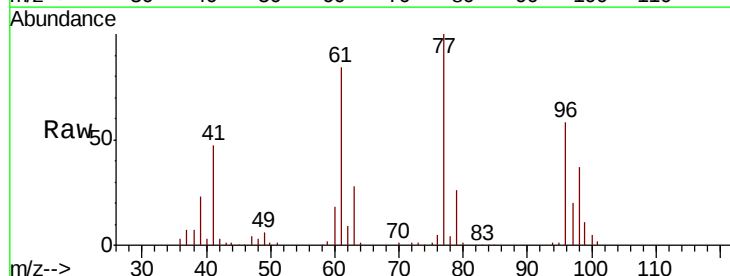
Acq: 30 Oct 2018 20:20

Tgt Ion: 77 Resp: 135110

Ion Ratio Lower Upper

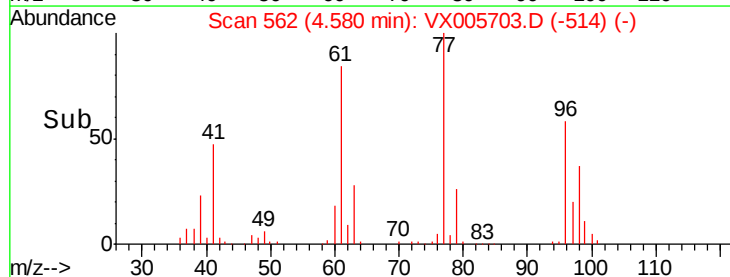
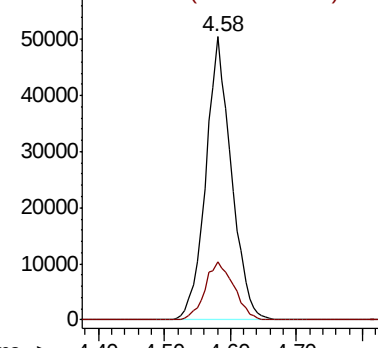
77 100

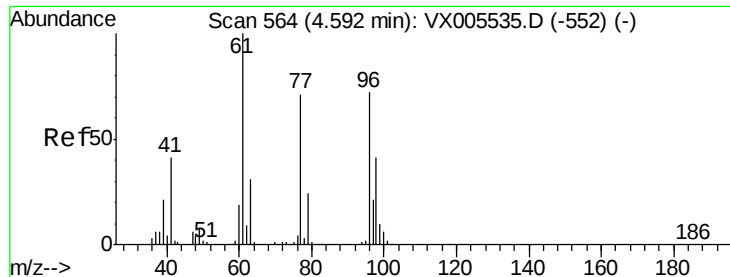
97 23.1 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



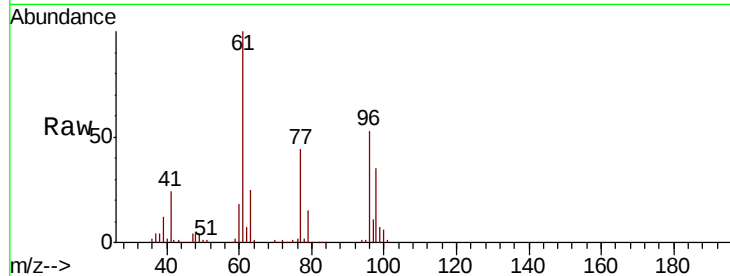


#27

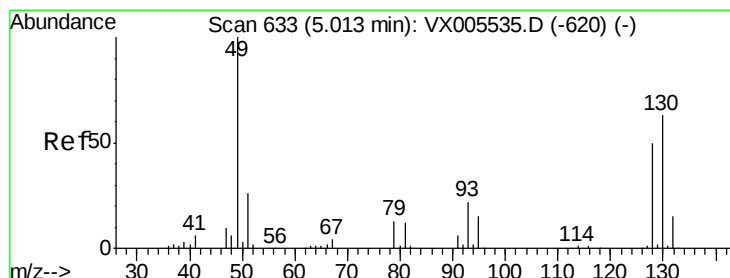
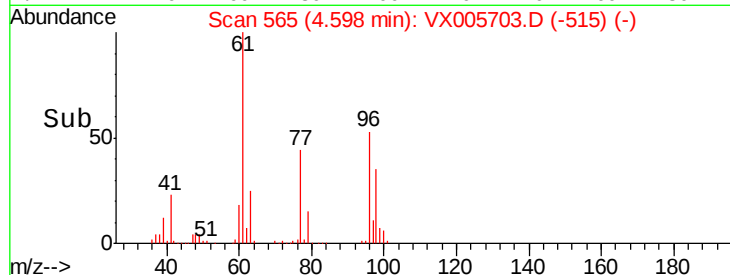
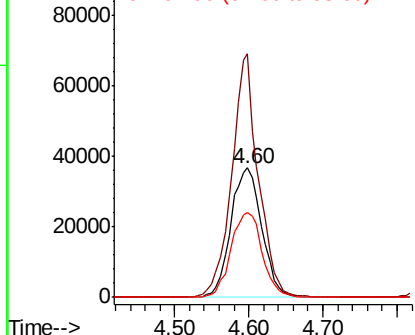
cis-1,2-Dichloroethene
 Concen: 48.816 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.6	0.0	304.6
98	66.0	0.0	127.4



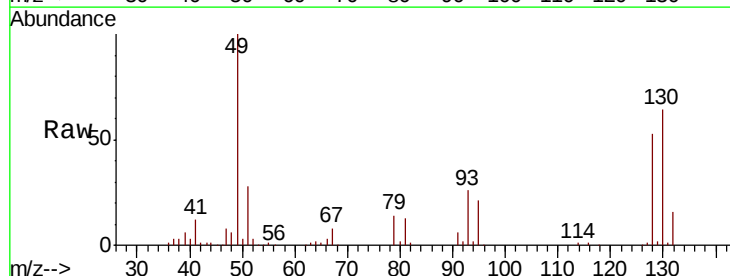
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



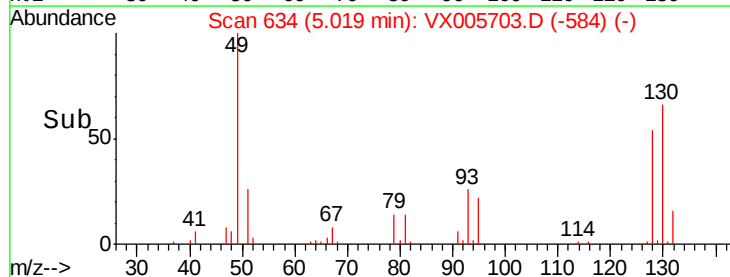
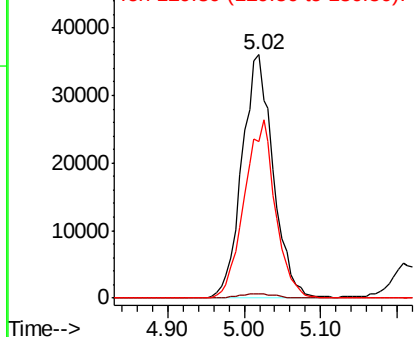
#28

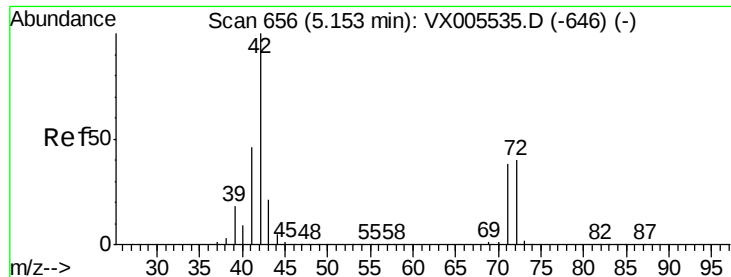
Bromochloromethane
 Concen: 53.481 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	72.9	58.9	88.3



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





#29

Tetrahydrofuran

Concen: 270.438 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

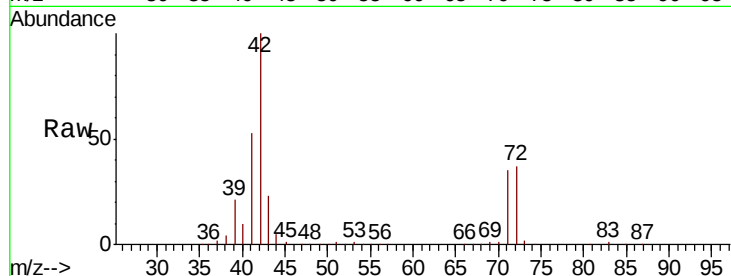
Tot Ion: 42 Resp: 343563

Ion Ratio Lower Upper

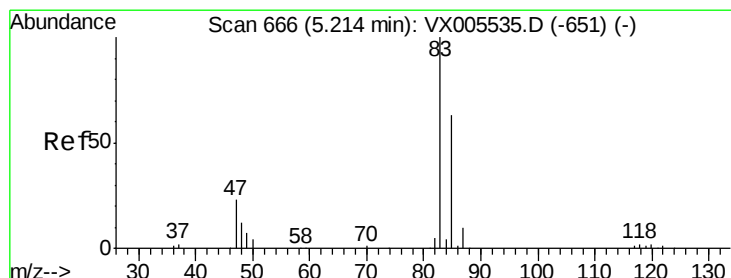
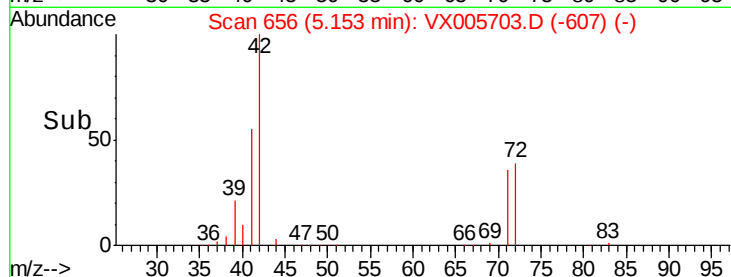
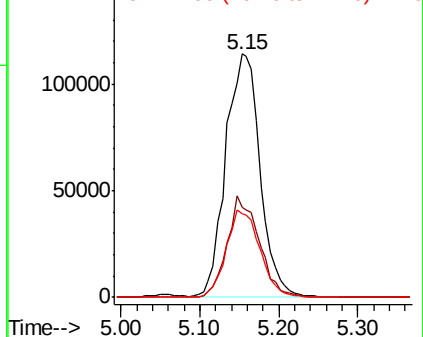
42 100

72 39.0 32.0 48.0

71 35.5 29.8 44.8



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: 52.476 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX005703.D

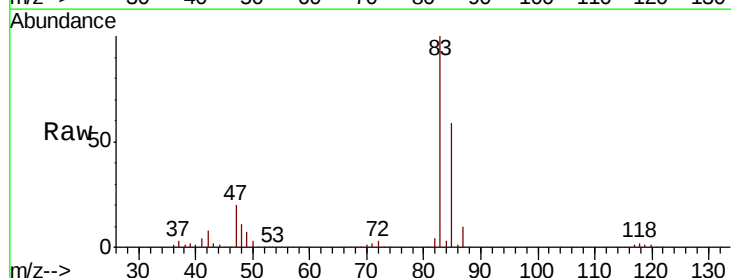
Acq: 30 Oct 2018 20:20

Tgt Ion: 83 Resp: 194038

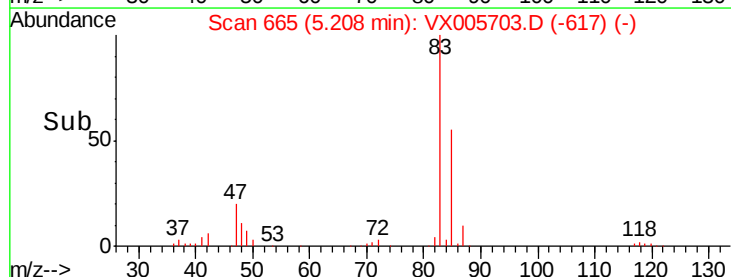
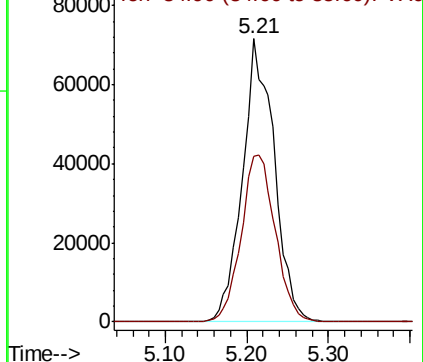
Ion Ratio Lower Upper

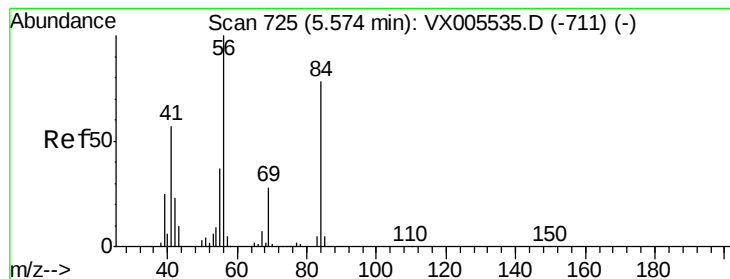
83 100

85 58.6 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 50.685 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

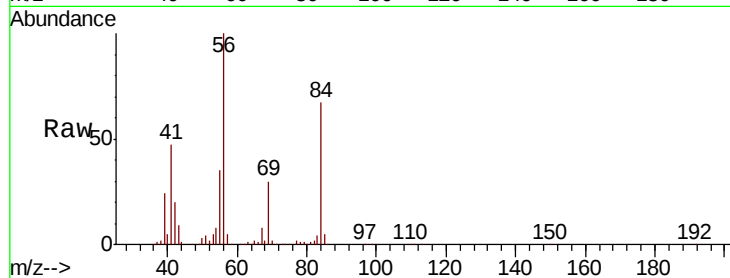
Tot Ion: 56 Resp: 165774

Ion Ratio Lower Upper

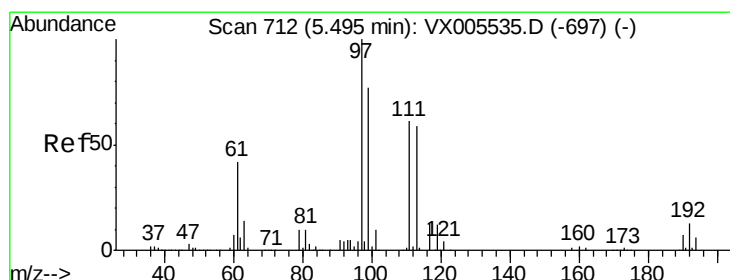
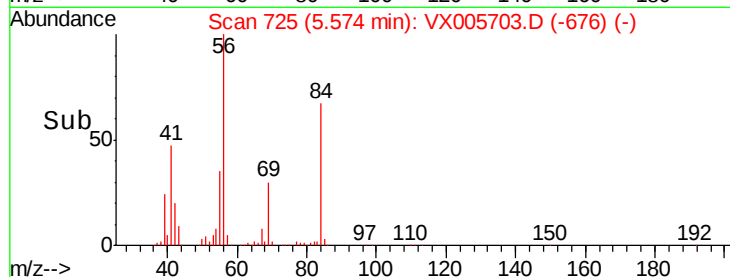
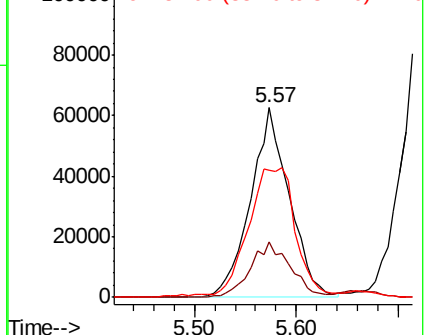
56 100

69 29.5 22.6 34.0

84 65.7 62.7 94.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 49.651 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

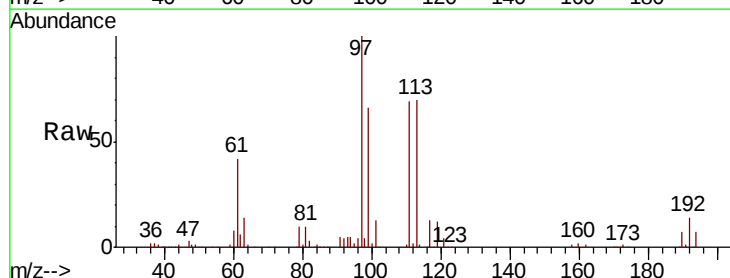
Tgt Ion: 97 Resp: 162038

Ion Ratio Lower Upper

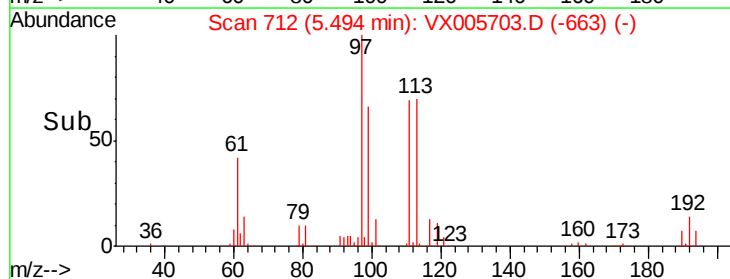
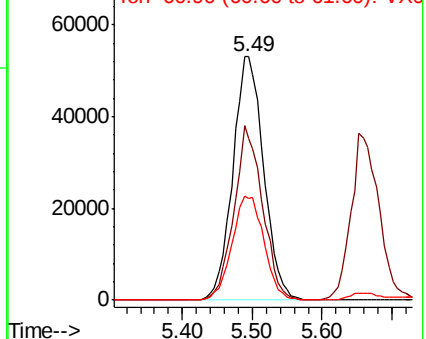
97 100

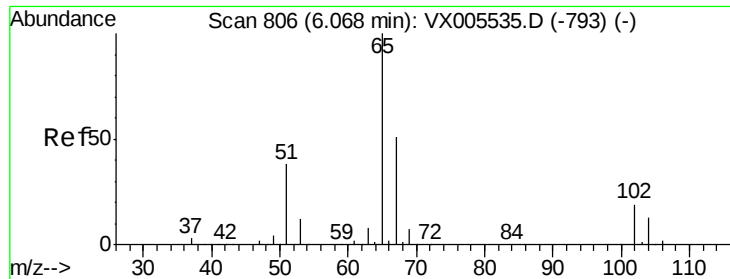
99 66.1 52.3 78.5

61 44.7 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.635 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

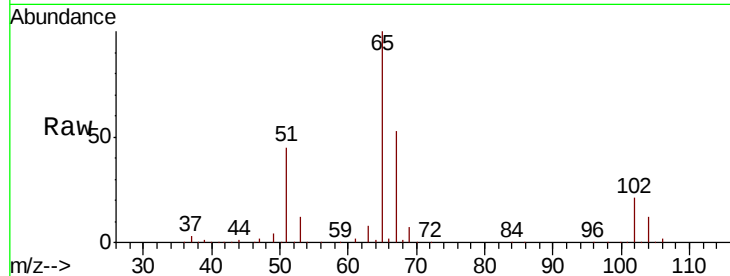
VSTDCCC050EC

Tot Ion: 65 Resp: 120413

Ion Ratio Lower Upper

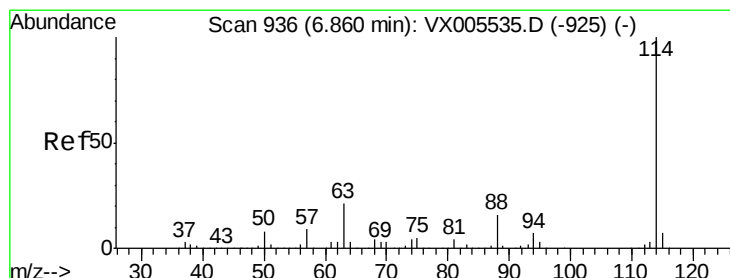
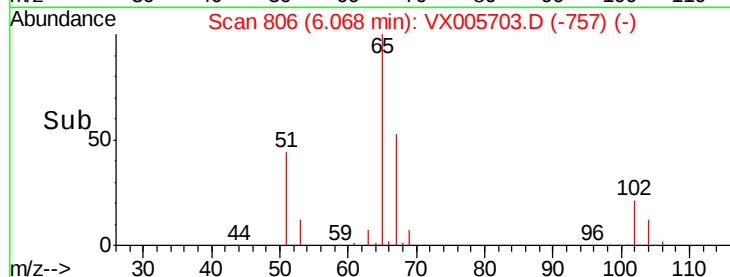
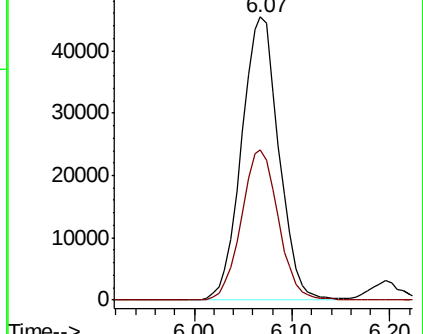
65 100

67 52.6 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

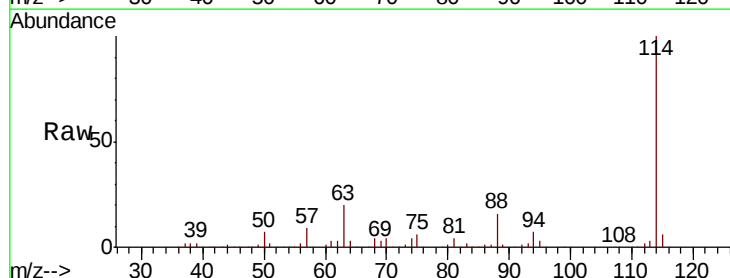
Tgt Ion: 114 Resp: 273635

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.8

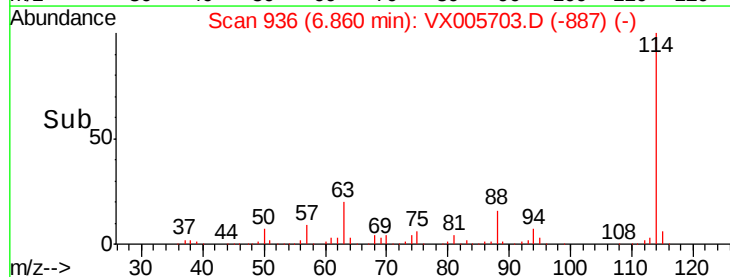
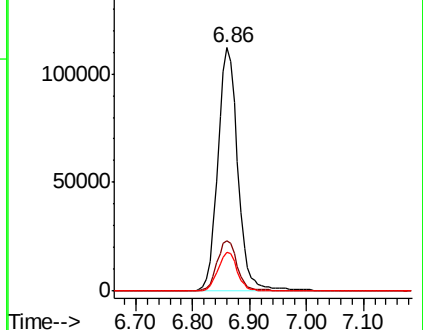
88 16.2 0.0 31.2

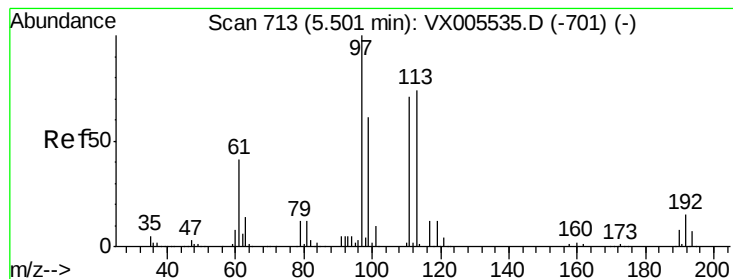


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.834 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

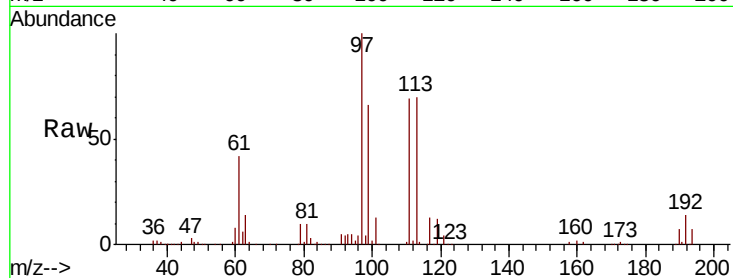
Tot Ion:113 Resp: 99745

Ion Ratio Lower Upper

113 100

111 107.4 82.3 123.5

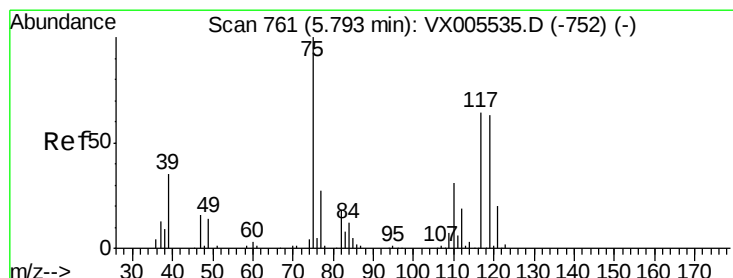
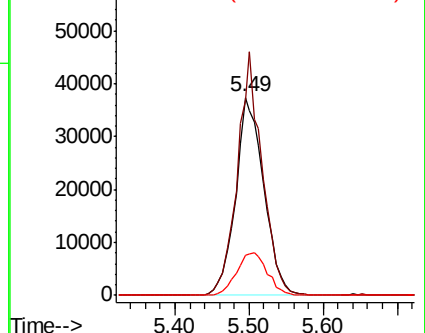
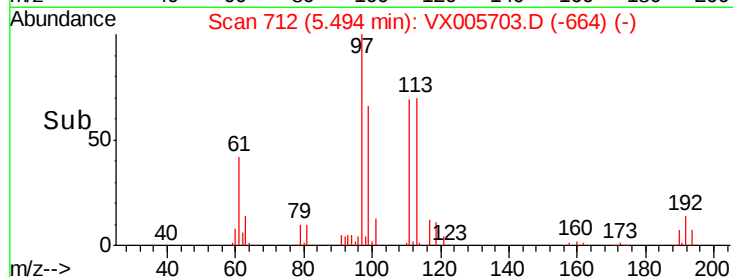
192 23.6 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.104 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

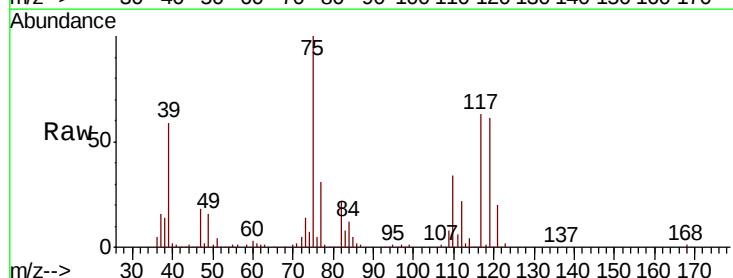
Tgt Ion: 75 Resp: 130397

Ion Ratio Lower Upper

75 100

110 38.3 17.4 52.2

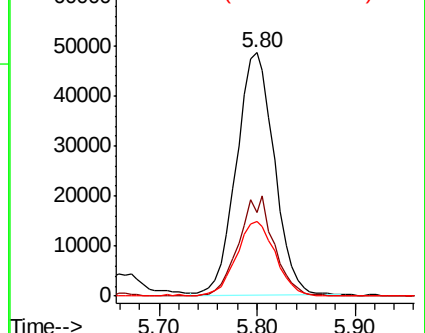
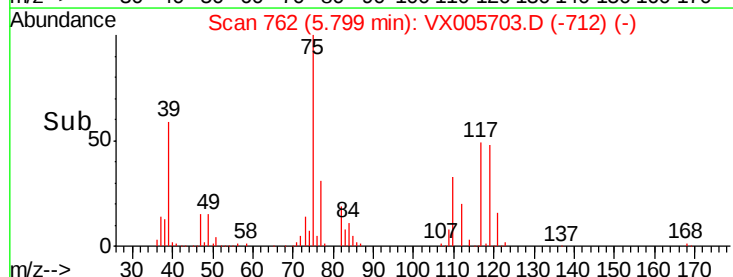
77 32.1 25.8 38.6

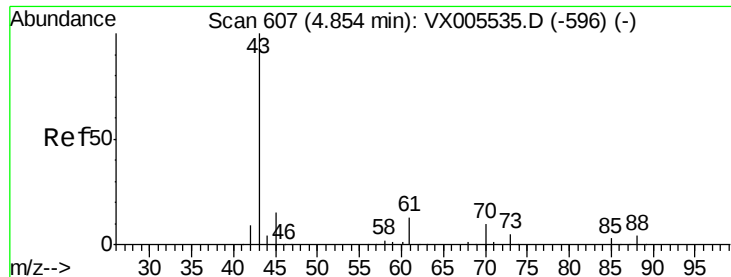


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 53.536 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

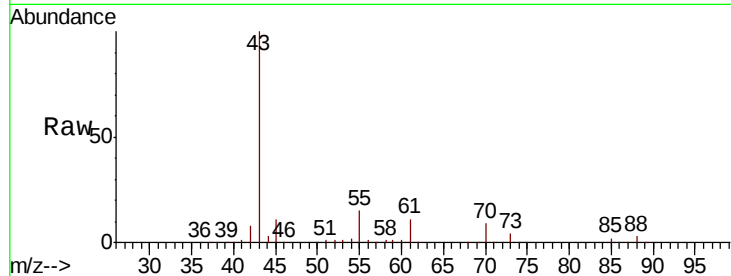
Tot Ion: 43 Resp: 181416

Ion Ratio Lower Upper

43 100

61 13.2 10.8 16.2

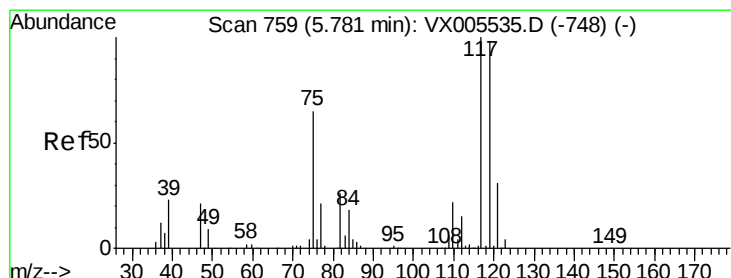
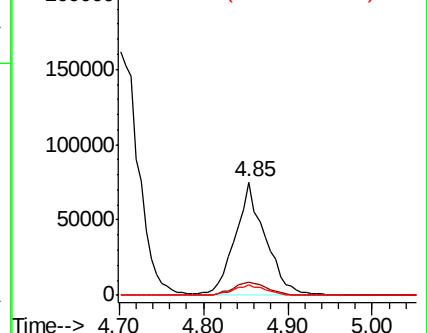
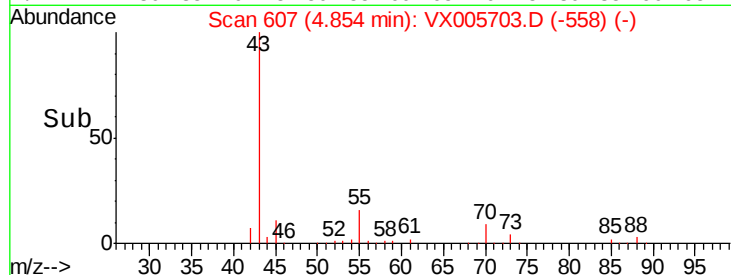
70 10.0 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 50.957 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

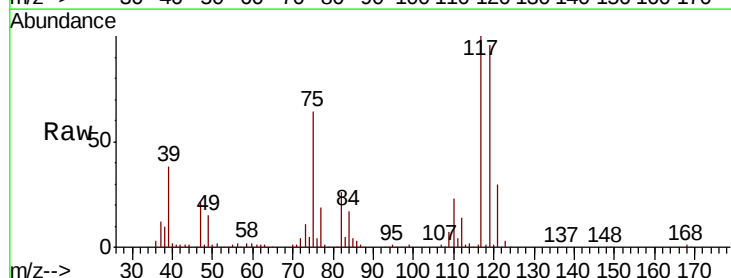
Tgt Ion: 117 Resp: 142521

Ion Ratio Lower Upper

117 100

119 96.3 78.1 117.1

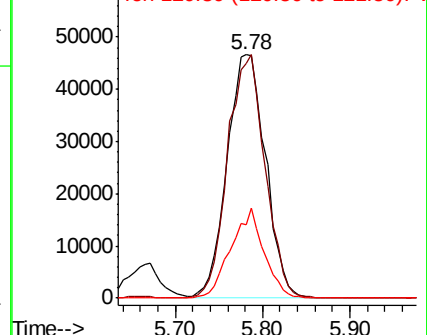
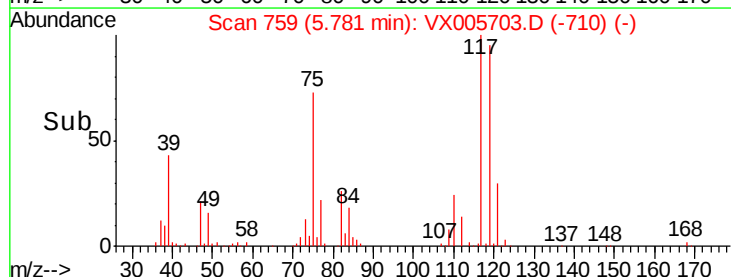
121 30.0 24.6 36.8

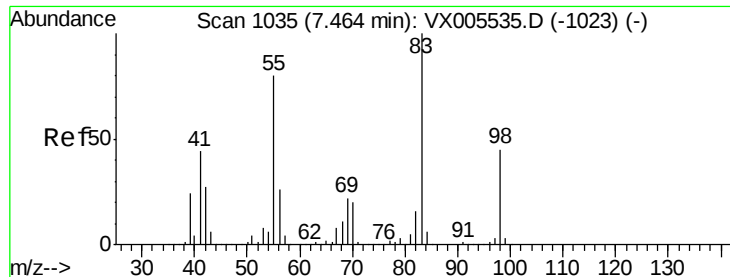


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

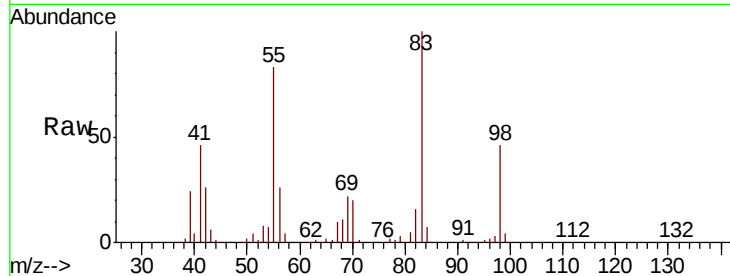




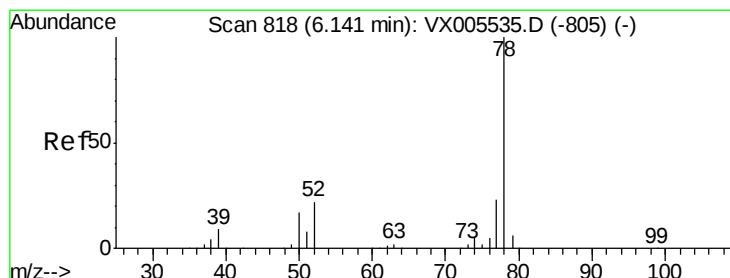
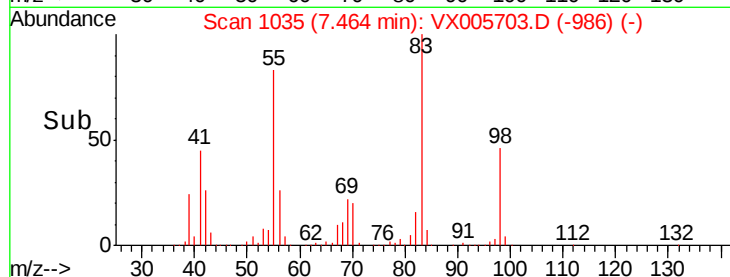
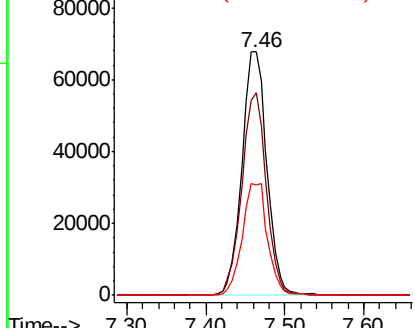
#39
Methvlcvclohexane
Concen: 50.976 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 149478
Ion Ratio Lower Upper
83 100
55 83.2 63.7 95.5
98 45.6 36.2 54.2

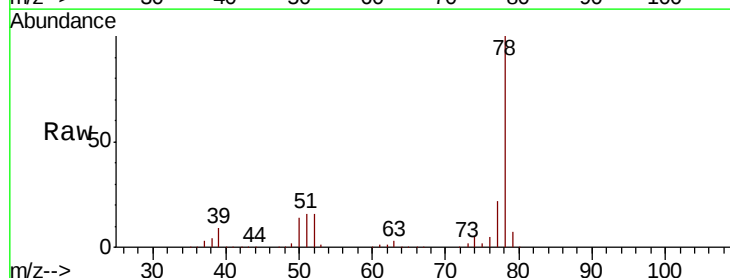


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

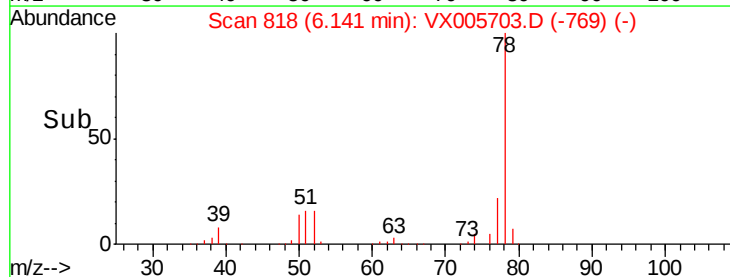
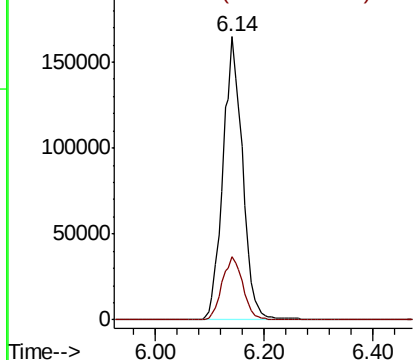


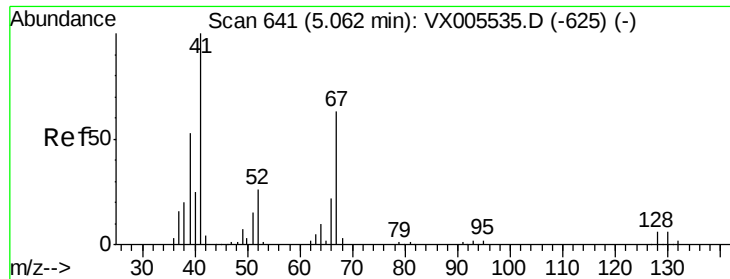
#40
Benzene
Concen: 54.164 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

Tgt Ion: 78 Resp: 412316
Ion Ratio Lower Upper
78 100
77 22.2 18.4 27.6



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





#41

Methacrylonitrile

Concen: 55.694 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 105127

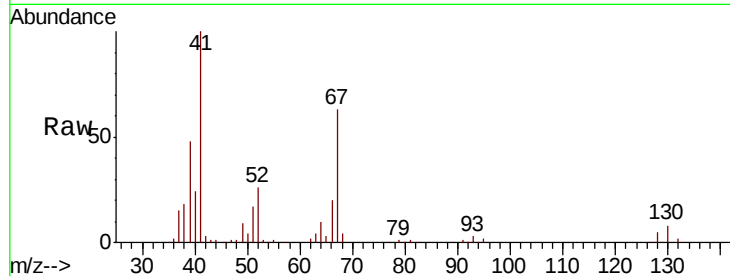
Ion Ratio Lower Upper

41 100

39 53.2 42.2 63.2

67 65.8 53.4 80.0

52 26.8 23.4 35.2

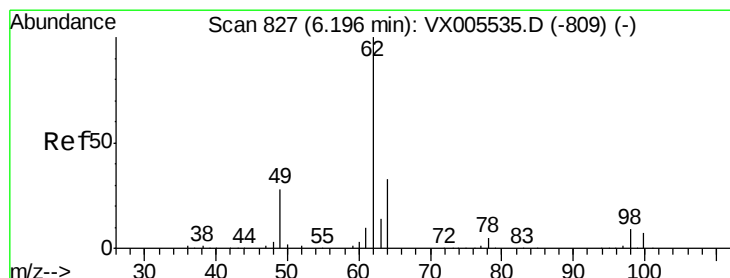
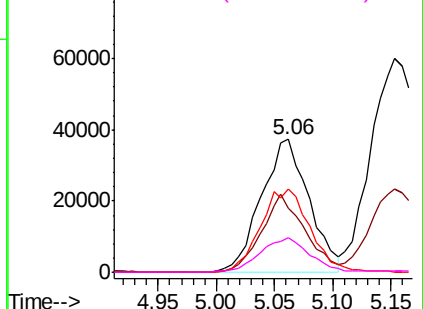
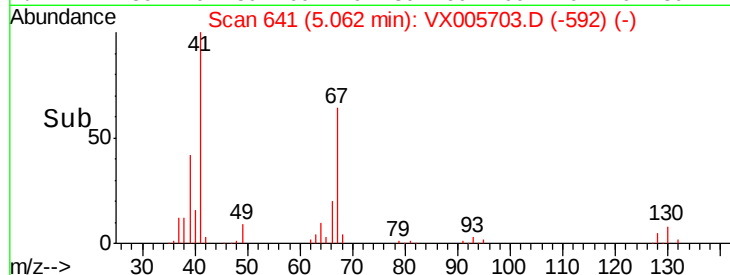


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 51.868 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX005703.D

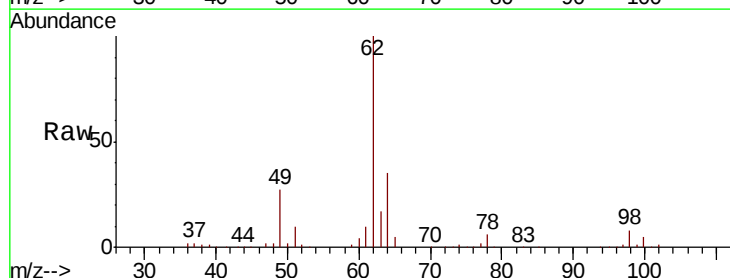
Acq: 30 Oct 2018 20:20

Tgt Ion: 62 Resp: 149994

Ion Ratio Lower Upper

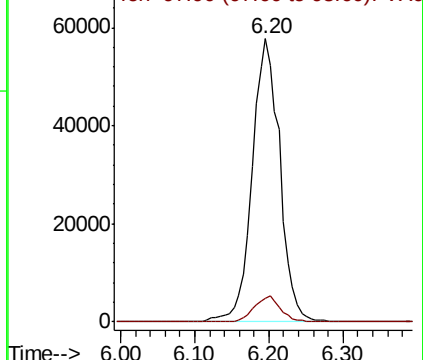
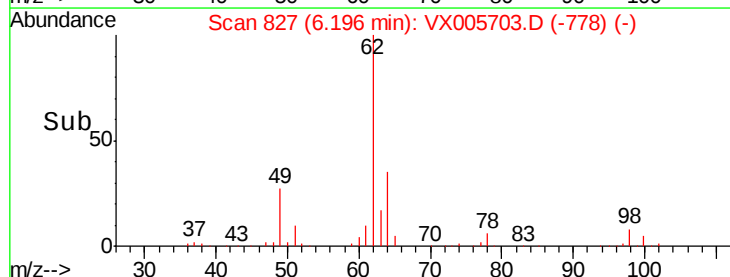
62 100

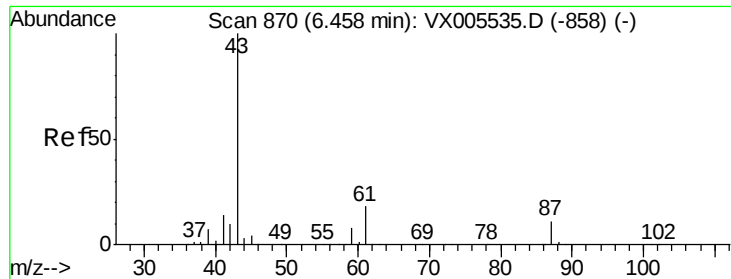
98 8.7 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



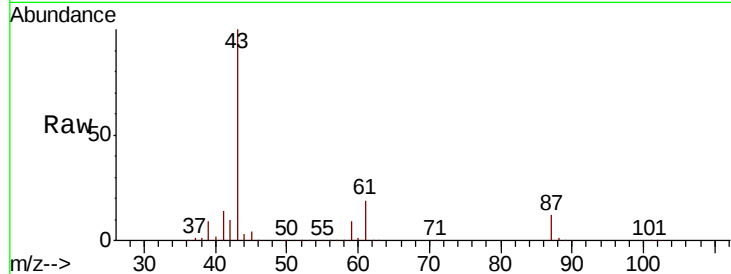


#43

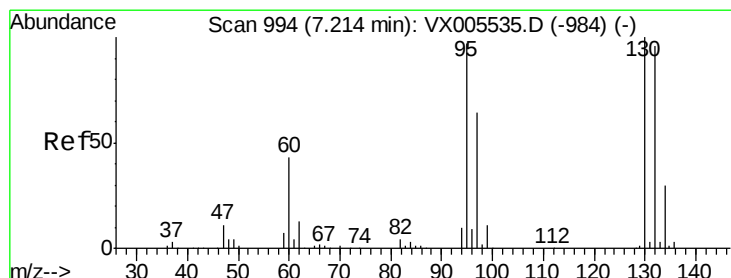
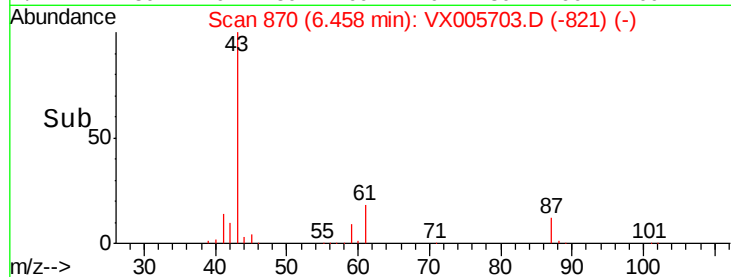
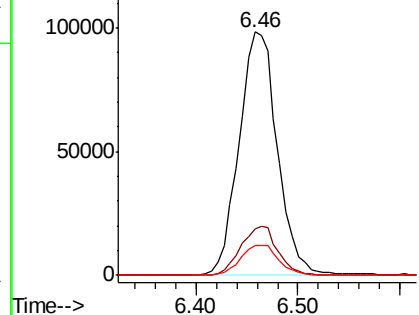
Isopropyl Acetate
 Concen: 50.212 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 254974
 Ion Ratio Lower Upper
 43 100
 61 19.8 14.6 22.0
 87 12.6 9.6 14.4



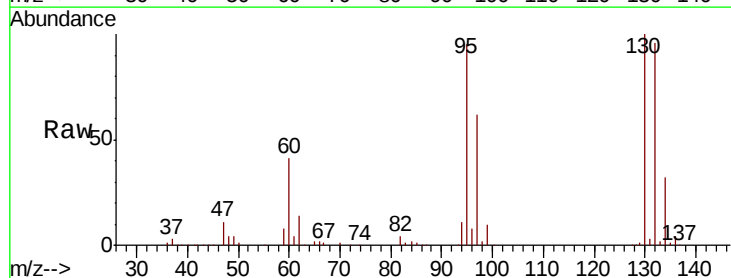
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



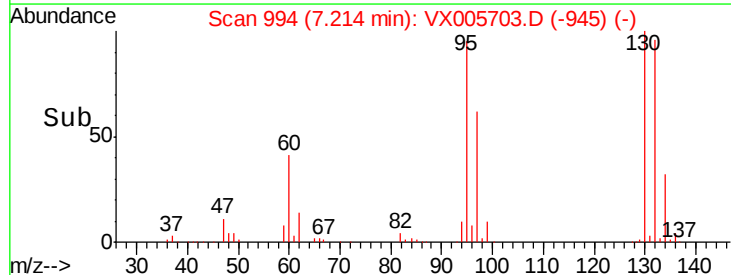
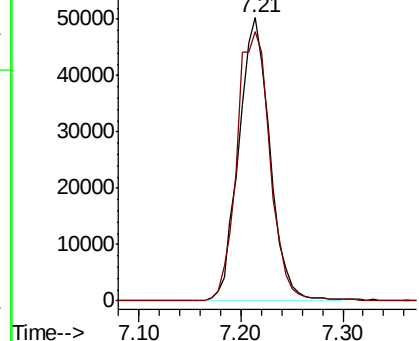
#44

Trichloroethene
 Concen: 51.306 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Tgt Ion:130 Resp: 106398
 Ion Ratio Lower Upper
 130 100
 95 95.3 0.0 194.2



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

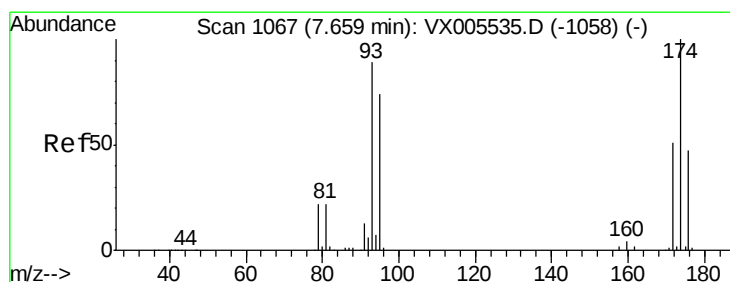
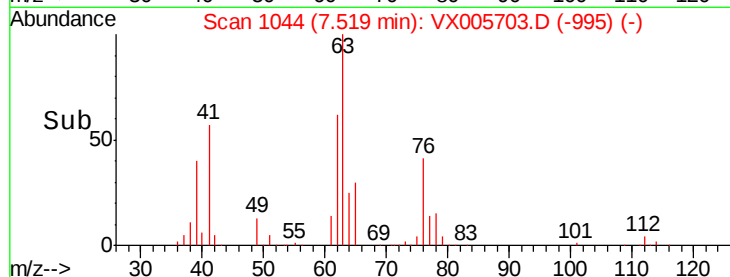
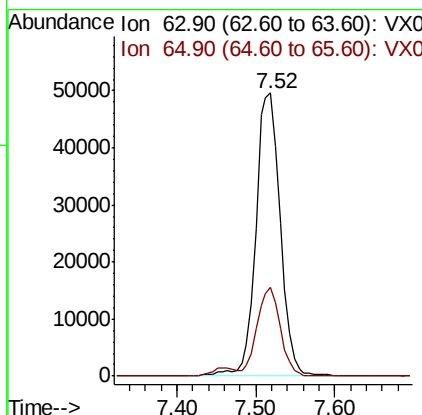
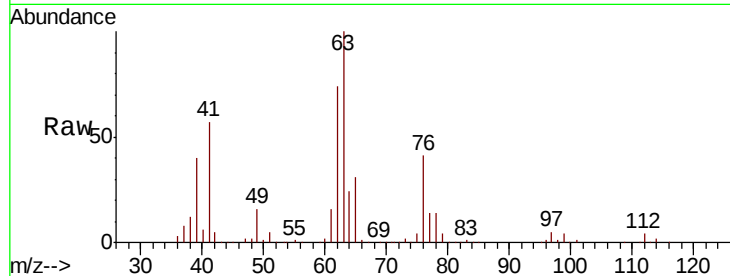




#45
 1,2-Dichloropropane
 Concen: 52.074 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

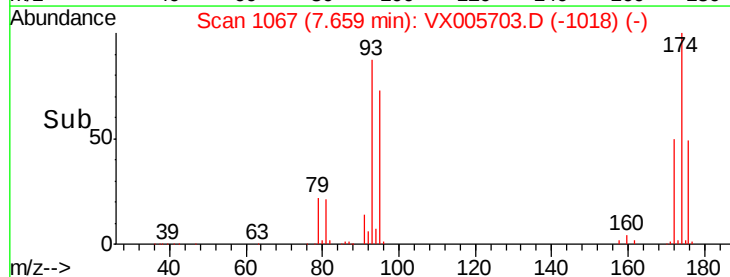
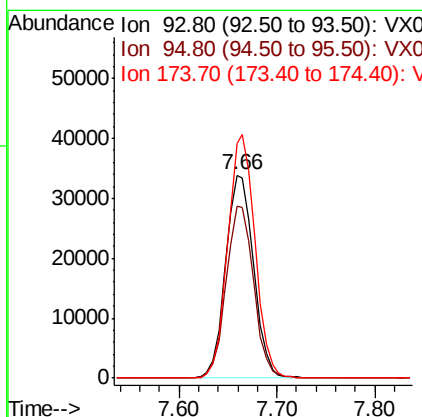
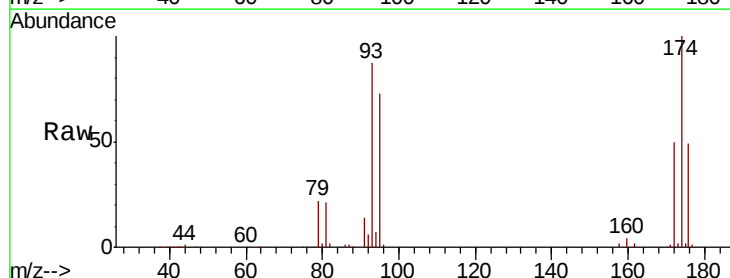
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

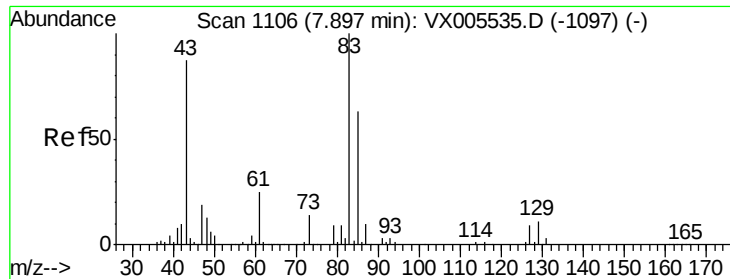
Tot Ion: 63 Resp: 106574
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.8 37.2



#46
 Dibromomethane
 Concen: 50.769 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Tgt Ion: 93 Resp: 67107
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.4 101.0
 174 116.9 91.5 137.3





#47

Bromodichloromethane

Concen: 52.338 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

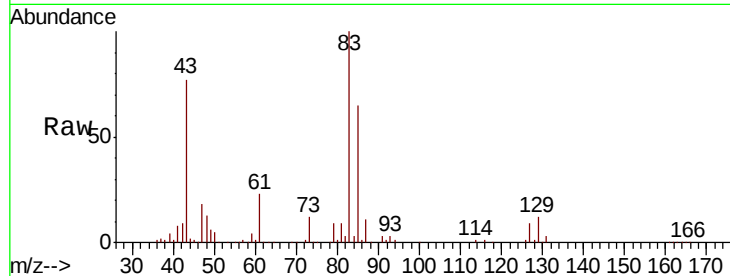
Tot Ion: 83 Resp: 134270

Ion Ratio Lower Upper

83 100

85 65.2 50.2 75.4

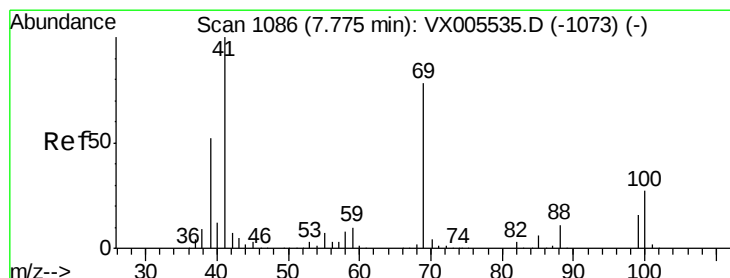
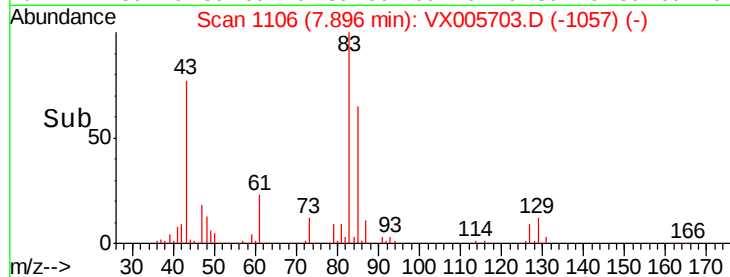
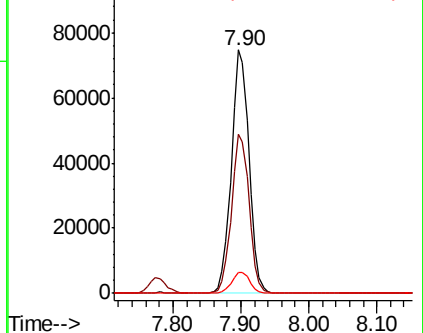
127 8.6 6.9 10.3



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: 53.367 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

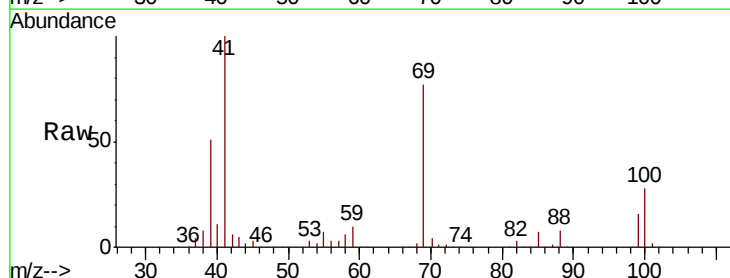
Tgt Ion: 41 Resp: 132018

Ion Ratio Lower Upper

41 100

69 79.1 63.2 94.8

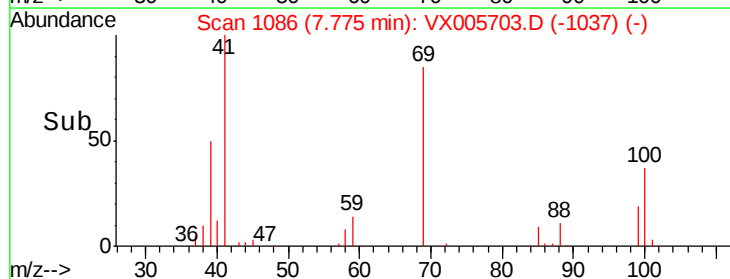
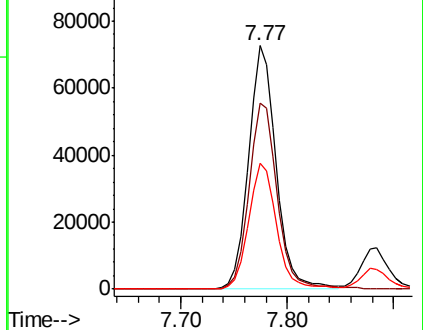
39 52.5 42.2 63.2

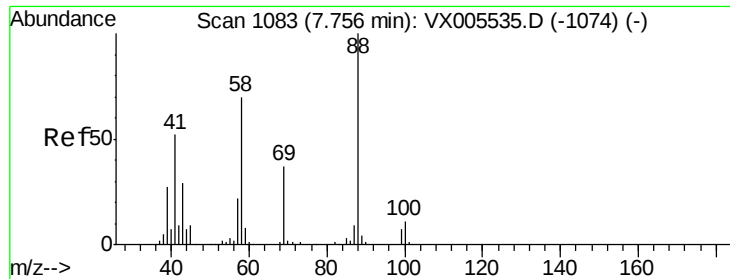


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

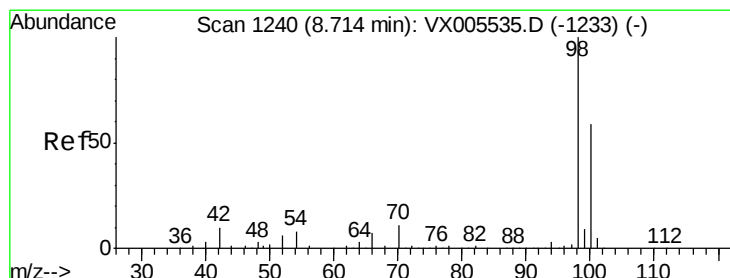
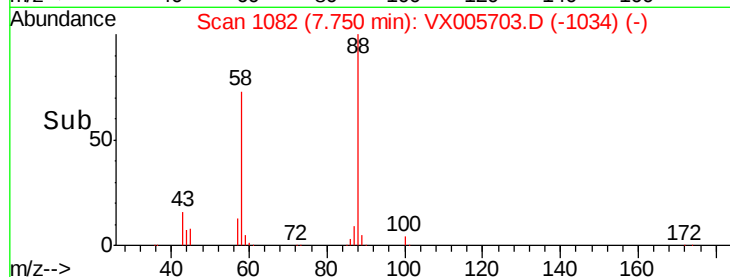
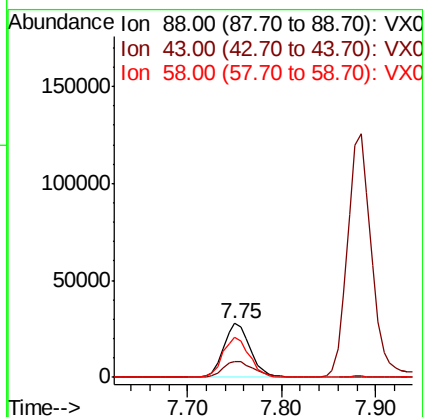
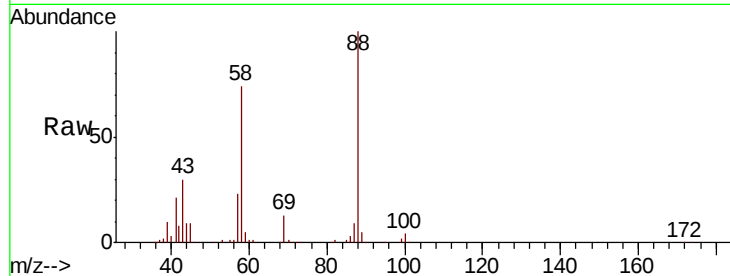




#49
1,4-Dioxane
Concen: 1002.897 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

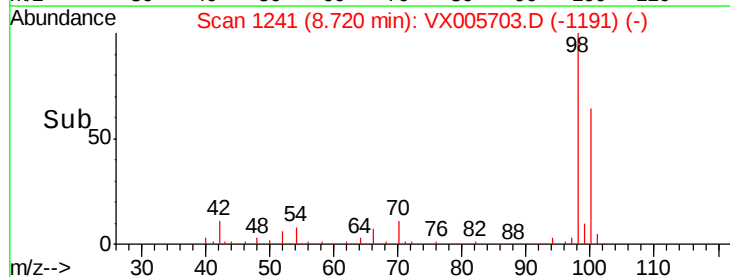
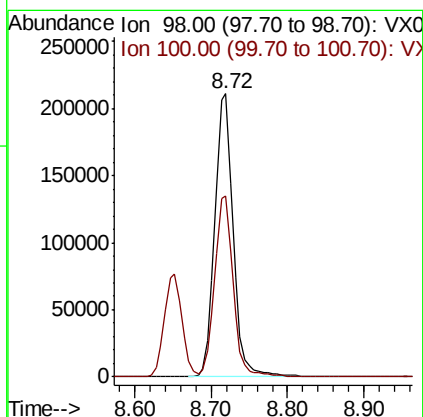
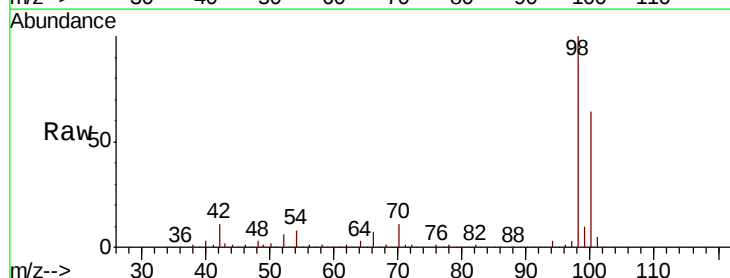
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

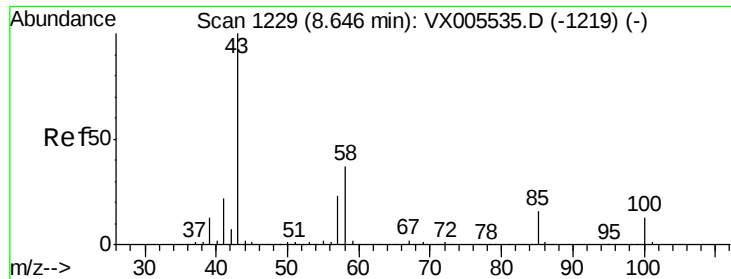
Tot Ion: 88 Resp: 54217
Ion Ratio Lower Upper
88 100
43 34.4 27.4 41.0
58 75.2 59.4 89.2



#50
Toluene-d8
Concen: 52.689 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

Tgt Ion: 98 Resp: 350783
Ion Ratio Lower Upper
98 100
100 65.0 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 260.703 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

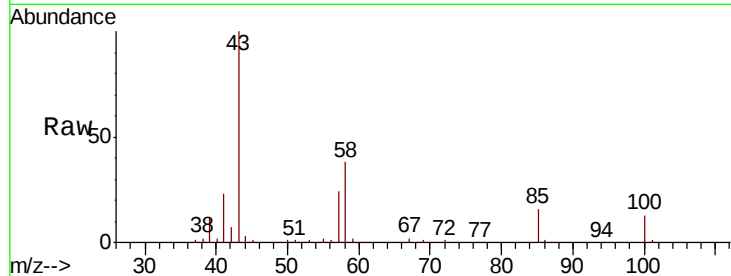
VSTDCCC050EC

Tot Ion: 43 Resp: 889700

Ion Ratio Lower Upper

43 100

58 37.7 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

600000

500000

400000

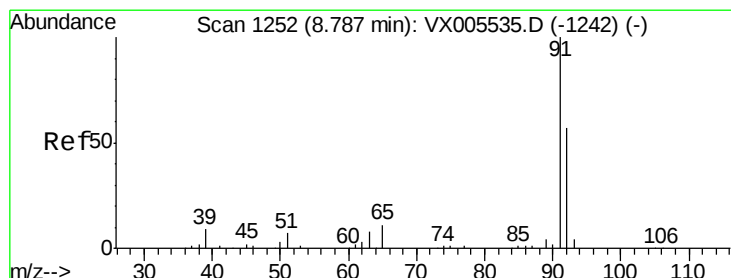
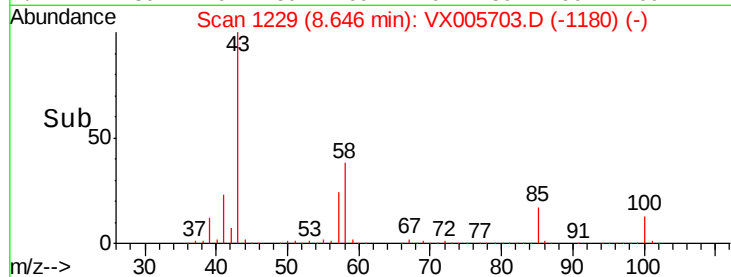
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.454 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005703.D

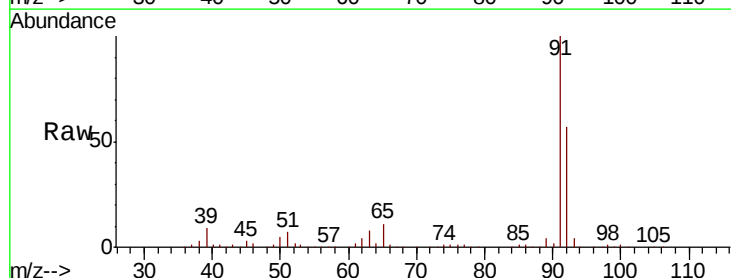
Acq: 30 Oct 2018 20:20

Tgt Ion: 92 Resp: 242671

Ion Ratio Lower Upper

92 100

91 174.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

300000

250000

200000

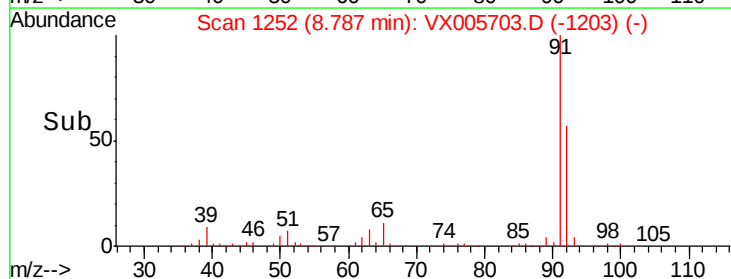
150000

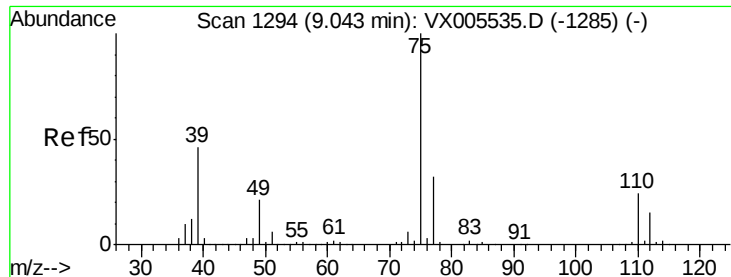
100000

50000

0

Time-->

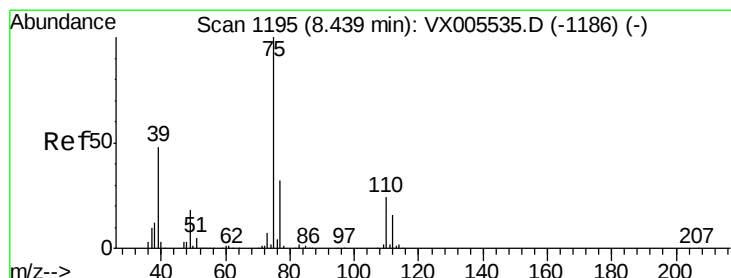
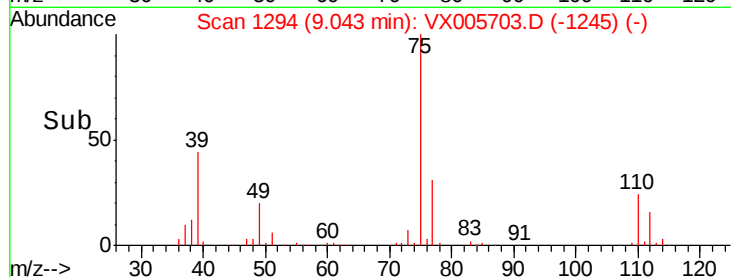
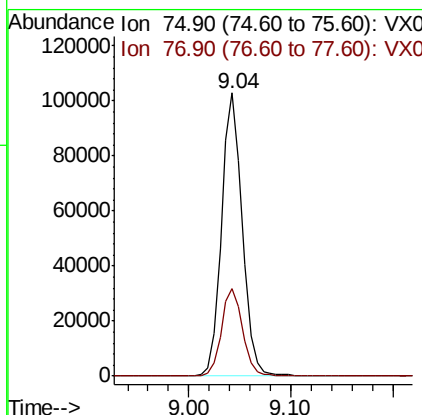
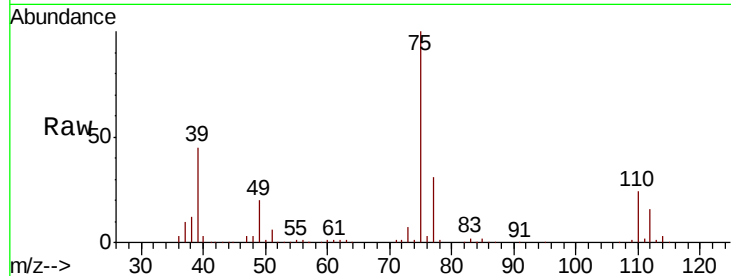




#53
 t-1,3-Dichloropropene
 Concen: 52.568 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

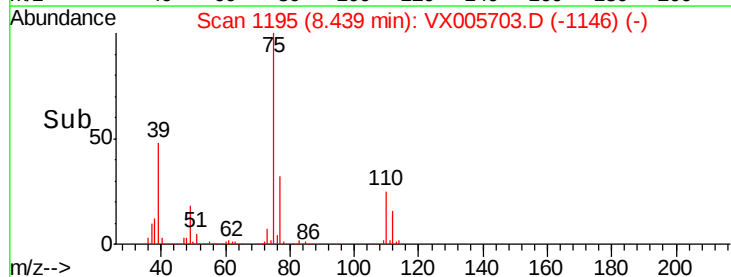
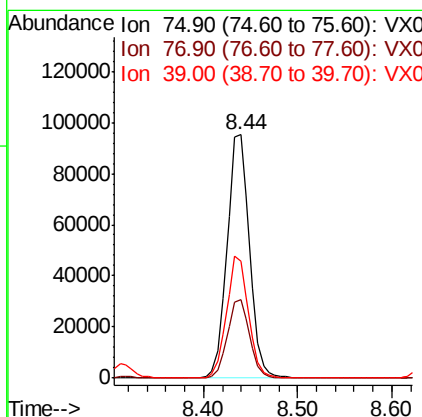
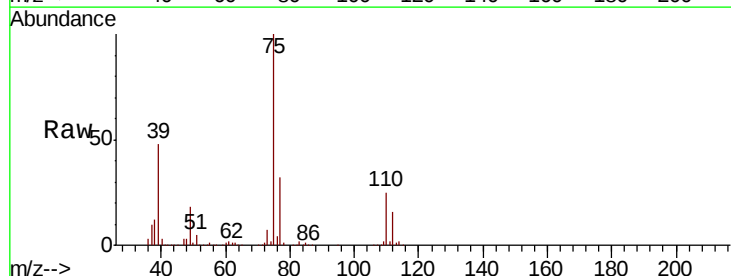
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

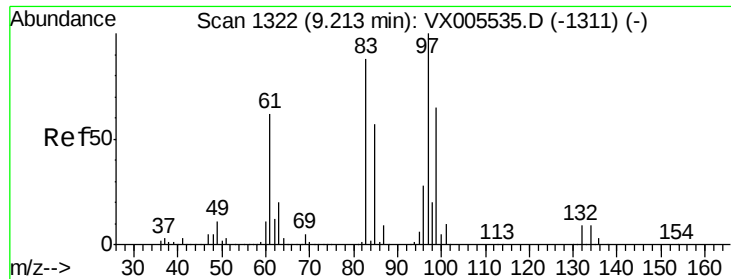
Tot Ion: 75 Resp: 145753
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 52.553 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Tgt Ion: 75 Resp: 156878
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.2 37.8
 39 48.1 38.2 57.2

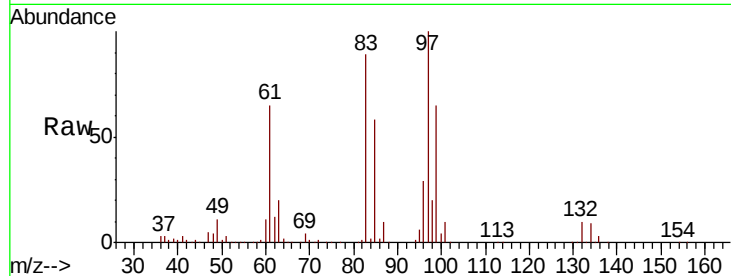




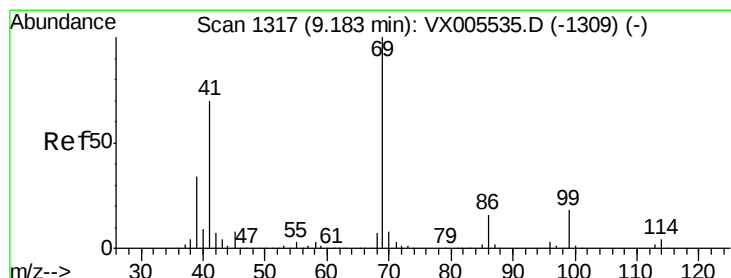
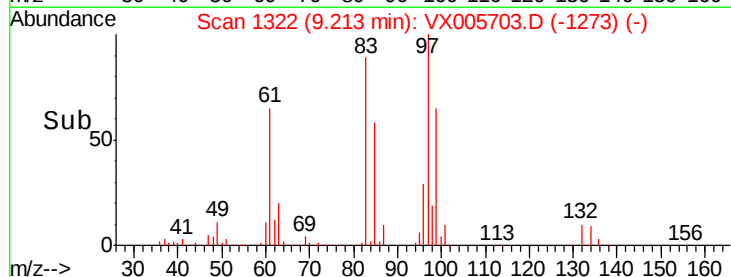
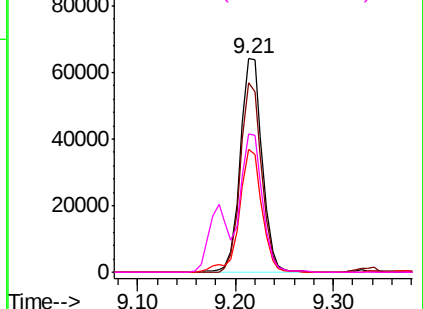
#55
 1,1,2-Trichloroethane
 Concen: 51.122 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 99715
 Ion Ratio Lower Upper
 97 100
 83 89.0 70.7 106.1
 85 57.8 45.8 68.6
 99 64.6 51.8 77.8

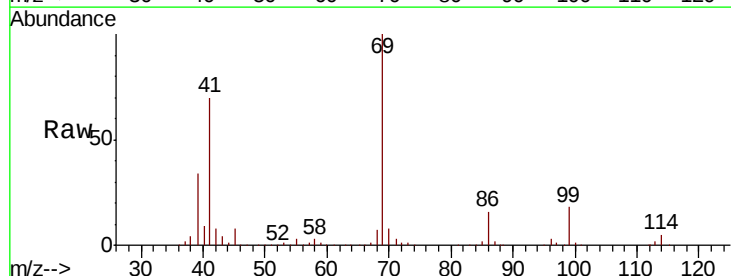


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

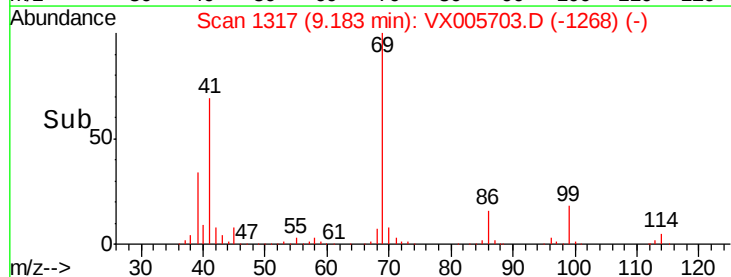
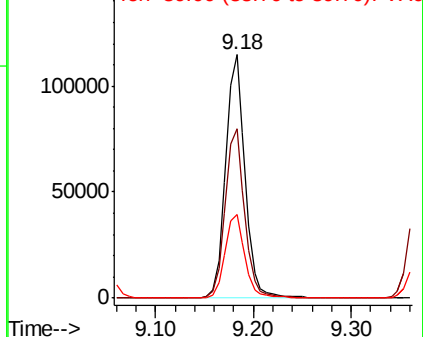


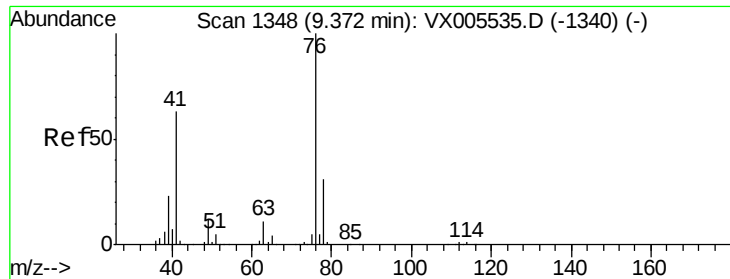
#56
 Ethyl methacrylate
 Concen: 54.065 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Tgt Ion: 69 Resp: 157294
 Ion Ratio Lower Upper
 69 100
 41 69.9 57.0 85.6
 39 35.1 28.3 42.5



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: 51.353 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

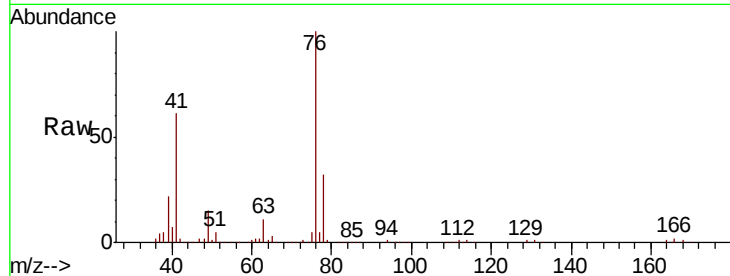
VSTDCCC050EC

Tot Ion: 76 Resp: 169483

Ion Ratio Lower Upper

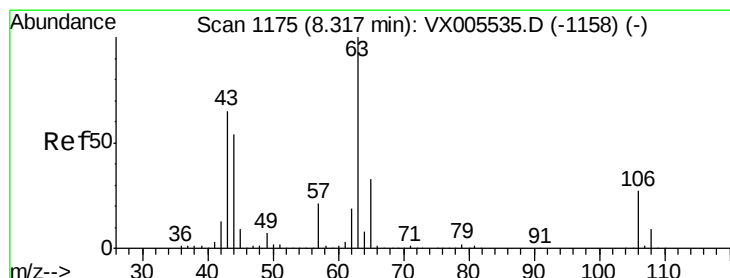
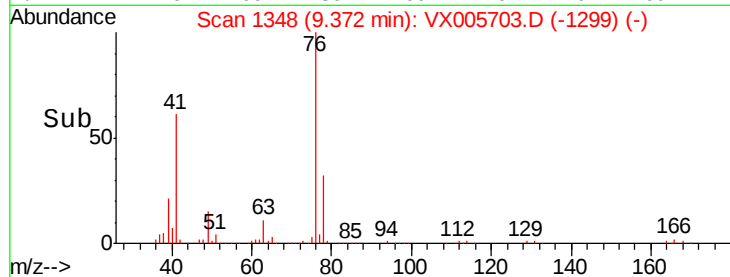
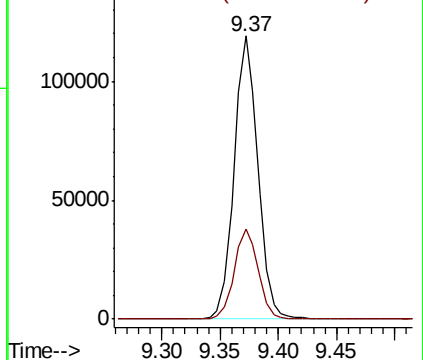
76 100

78 32.2 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 254.914 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005703.D

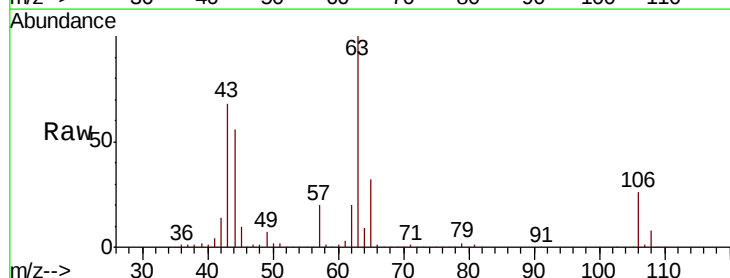
Acq: 30 Oct 2018 20:20

Tgt Ion: 63 Resp: 414211

Ion Ratio Lower Upper

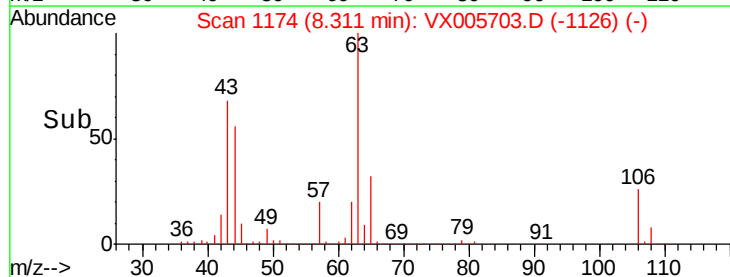
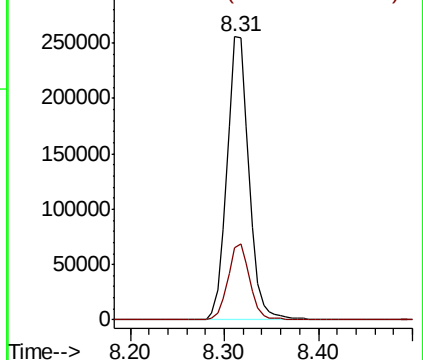
63 100

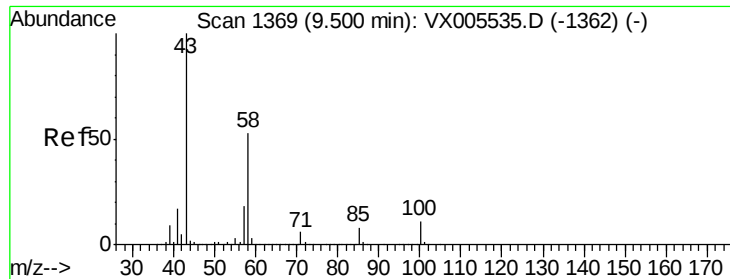
106 26.7 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

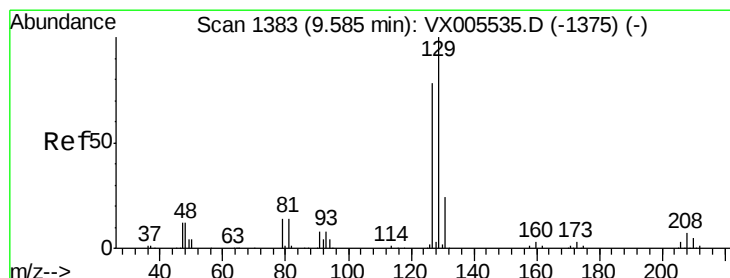
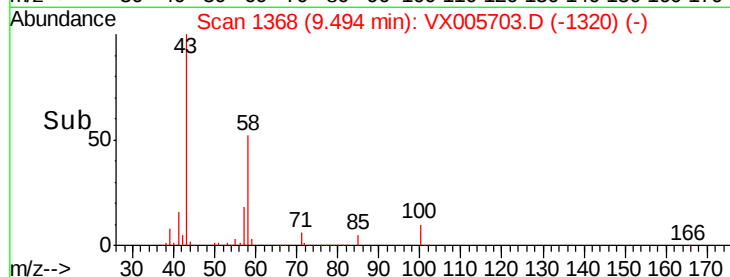
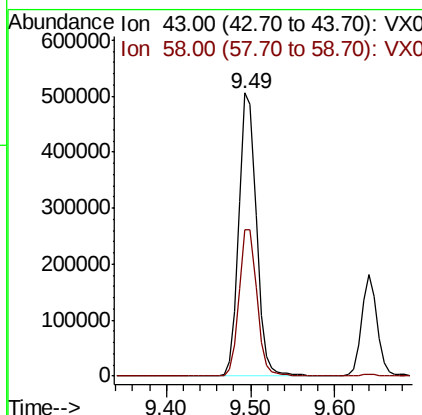
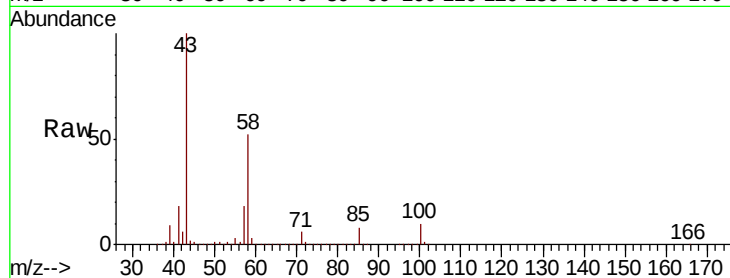




#59
2-Hexanone
Concen: 262.003 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

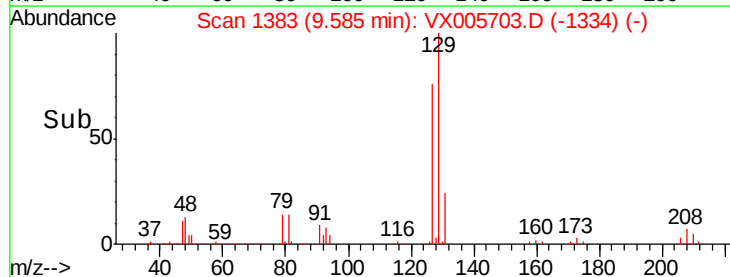
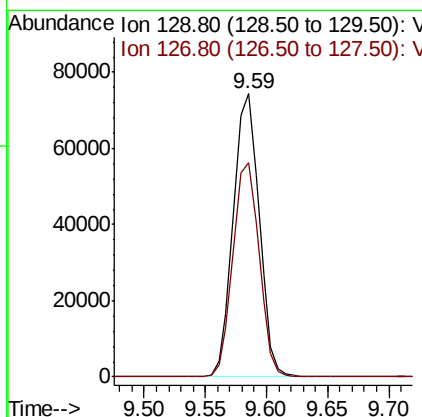
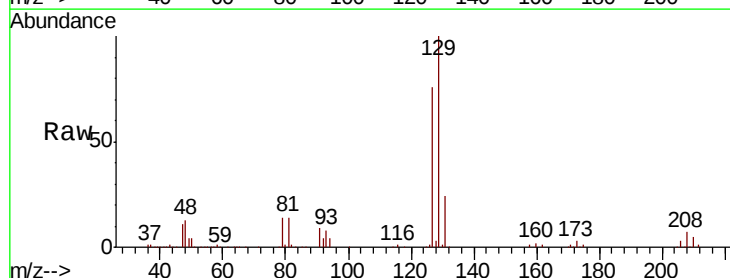
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

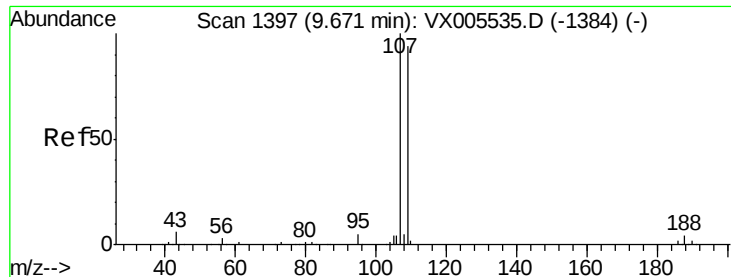
Tot Ion: 43 Resp: 704982
Ion Ratio Lower Upper
43 100
58 52.6 25.9 77.8



#60
Dibromochloromethane
Concen: 53.687 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

Tgt Ion: 129 Resp: 109255
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.995 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

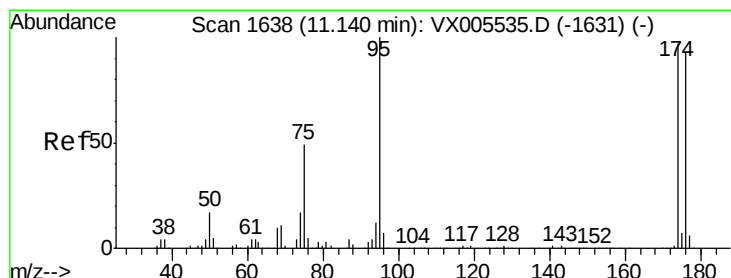
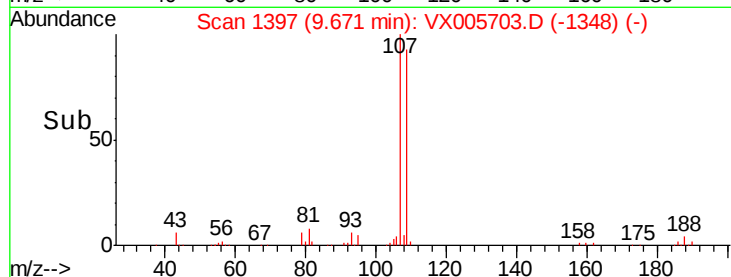
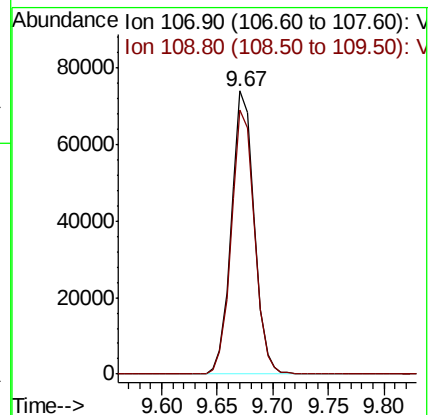
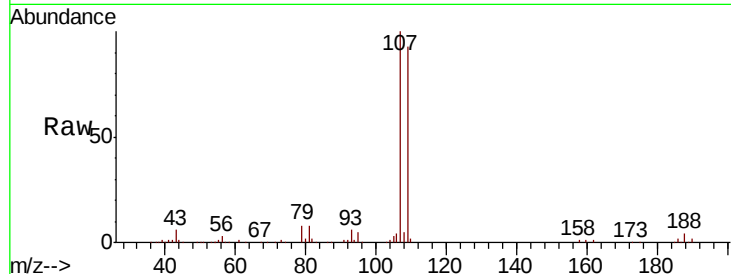
VSTDCCC050EC

Tot Ion:107 Resp: 104920

Ion Ratio Lower Upper

107 100

109 94.6 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 52.964 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

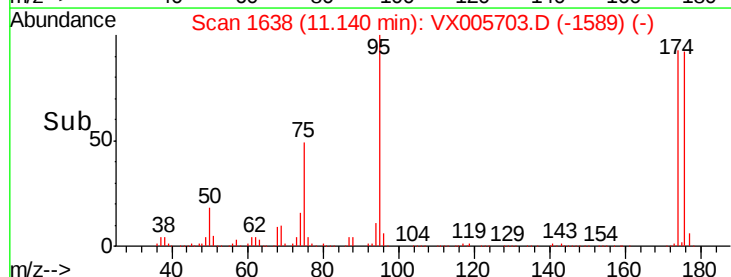
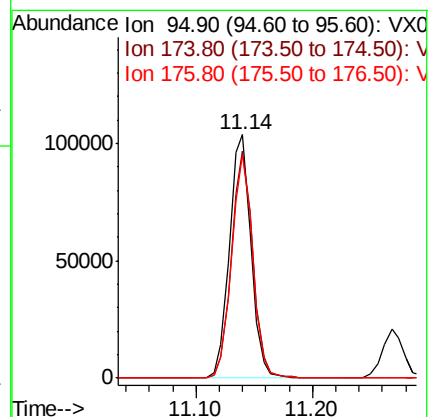
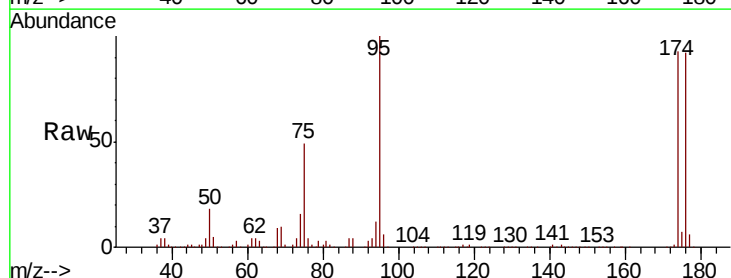
Tgt Ion: 95 Resp: 133164

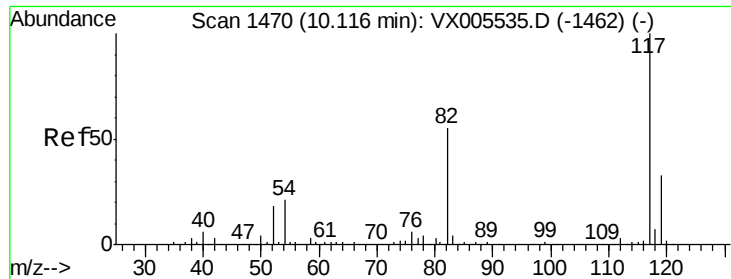
Ion Ratio Lower Upper

95 100

174 92.4 0.0 184.4

176 90.2 0.0 177.4

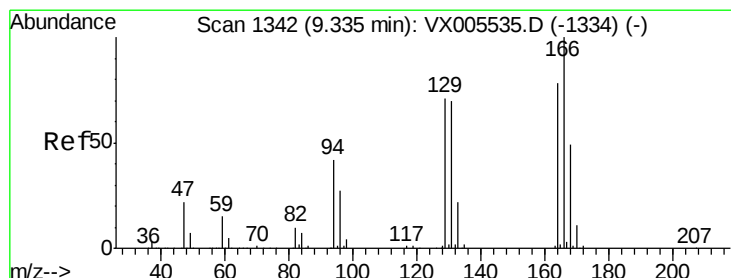
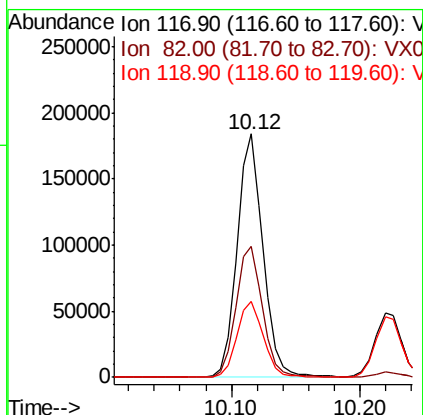
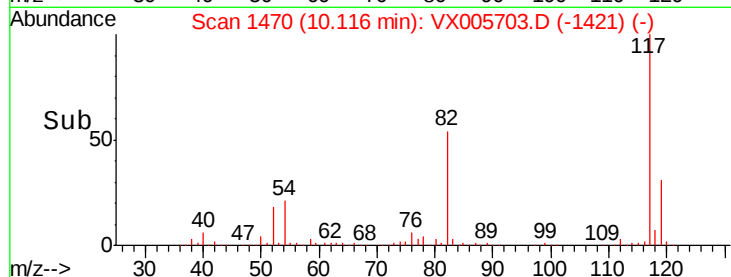
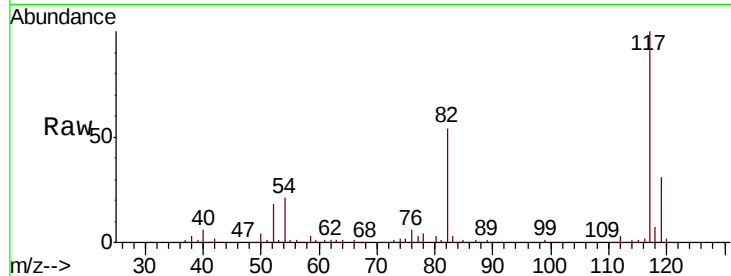




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

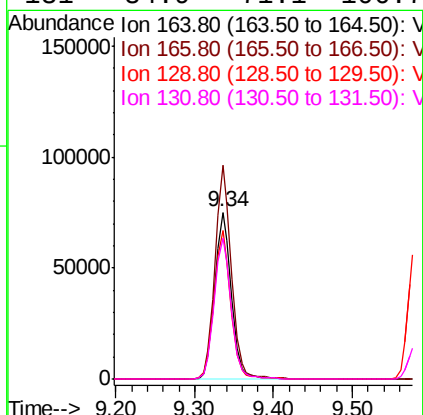
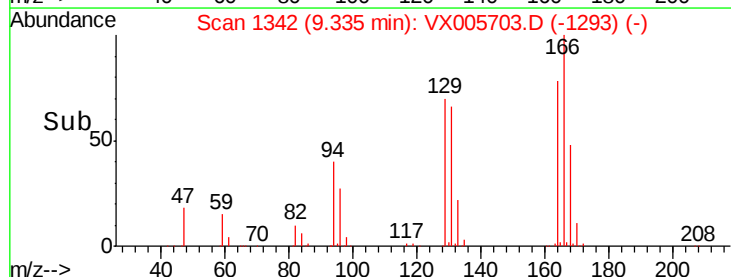
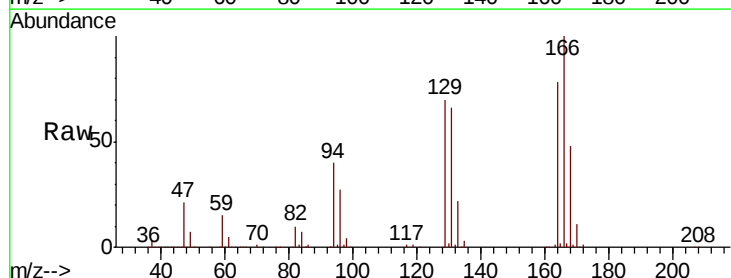
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

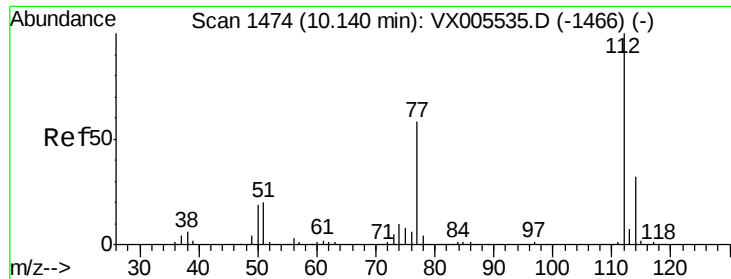
Tot Ion:117 Resp: 256309
Ion Ratio Lower Upper
117 100
82 53.8 44.1 66.1
119 31.3 26.2 39.2



#64
Tetrachloroethene
Concen: 51.899 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

Tgt Ion:164 Resp: 110427
Ion Ratio Lower Upper
164 100
166 128.3 101.9 152.9
129 89.4 72.6 109.0
131 84.9 71.1 106.7

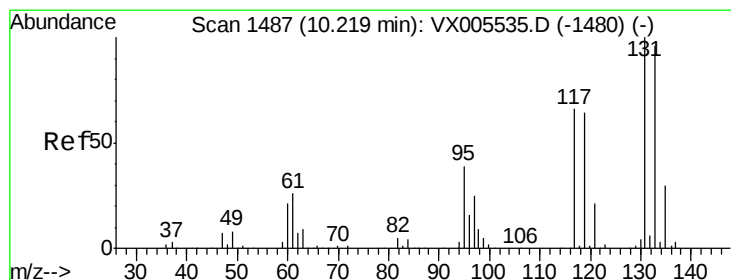
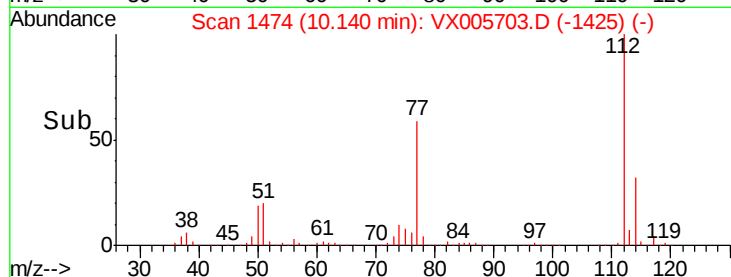
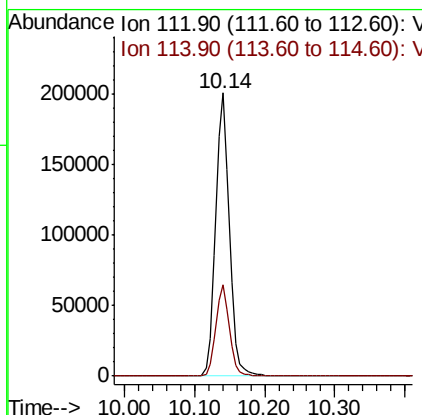
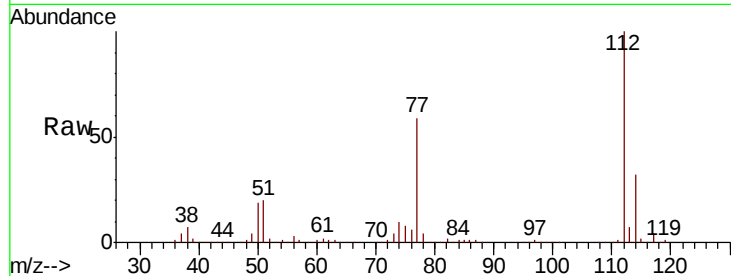




#65
Chlorobenzene
Concen: 50.284 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

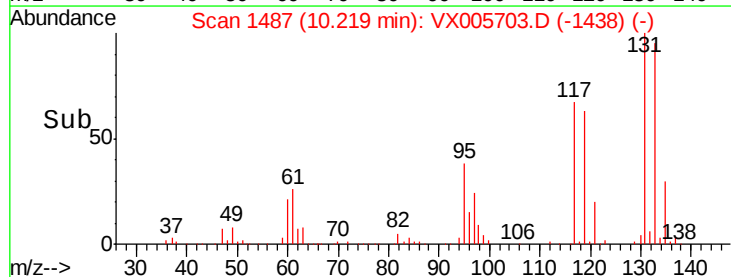
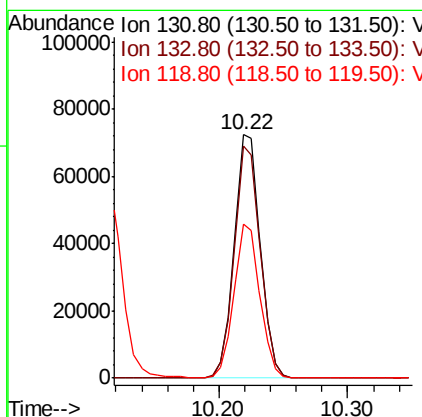
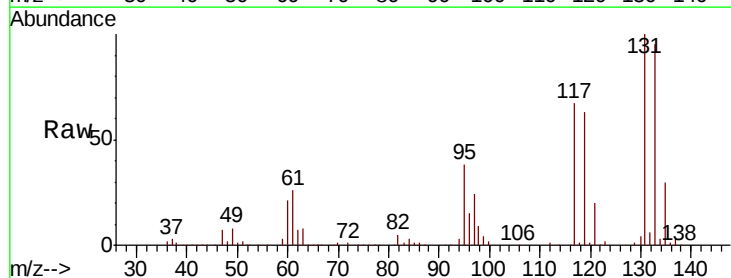
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

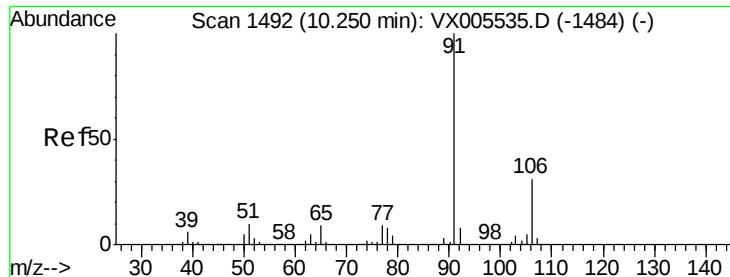
Tot Ion:112 Resp: 274445
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.415 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

Tgt Ion:131 Resp: 102322
Ion Ratio Lower Upper
131 100
133 95.4 47.5 142.5
119 63.0 31.8 95.3





#67

Ethyl Benzene

Concen: 52.483 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

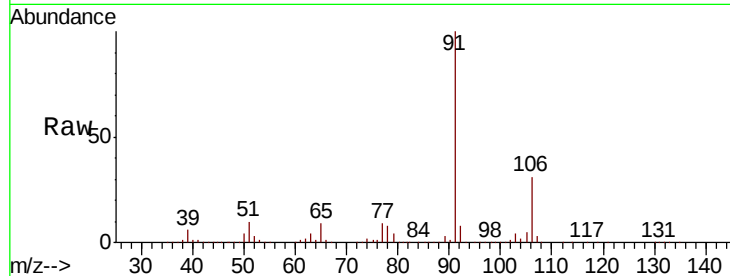
VSTDCCC050EC

Tot Ion: 91 Resp: 471291

Ion Ratio Lower Upper

91 100

106 30.6 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

600000

500000

400000

300000

200000

100000

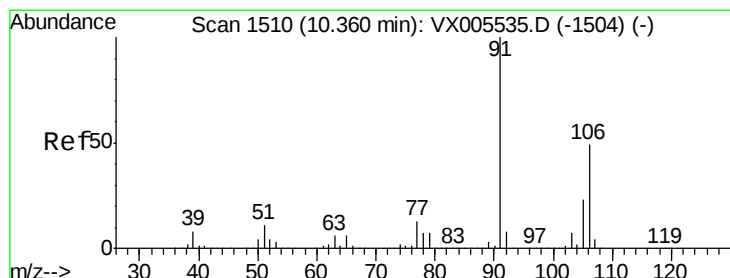
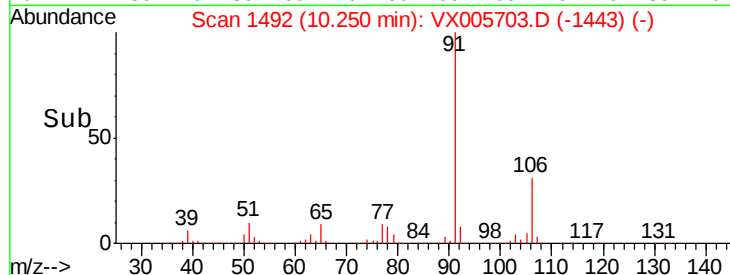
0

10.20

10.25

10.30

Time-->



#68

m/p-Xylenes

Concen: 104.863 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005703.D

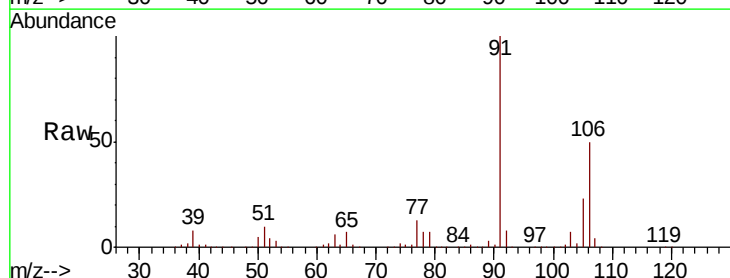
Acq: 30 Oct 2018 20:20

Tgt Ion: 106 Resp: 365337

Ion Ratio Lower Upper

106 100

91 205.0 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

600000

500000

400000

300000

200000

100000

0

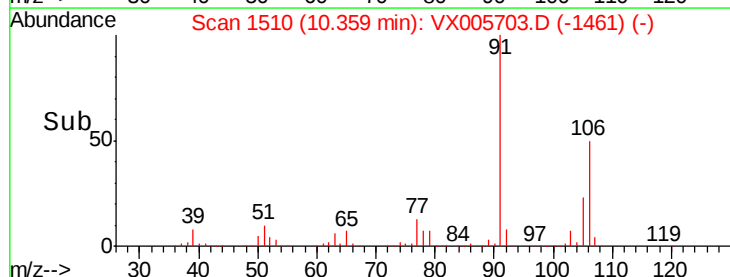
10.30

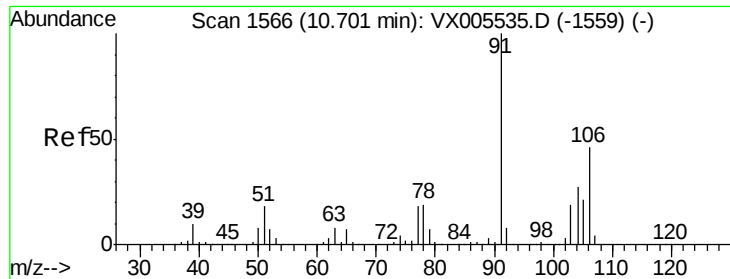
10.36

10.40

10.50

Time-->

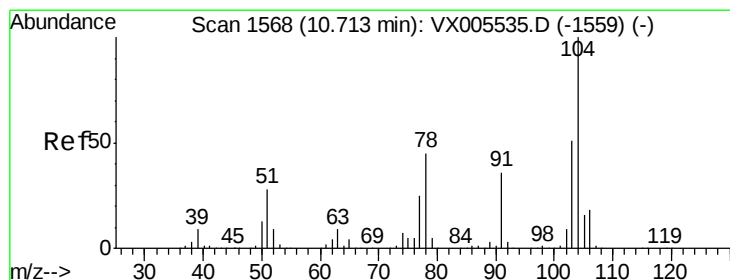
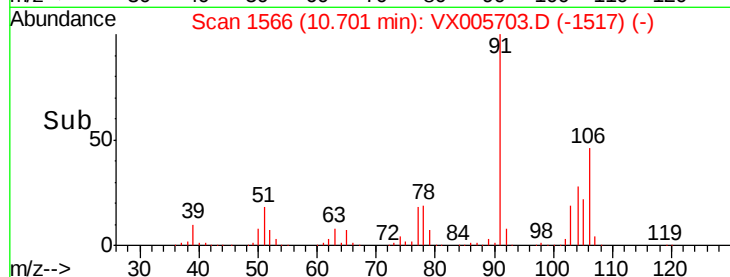
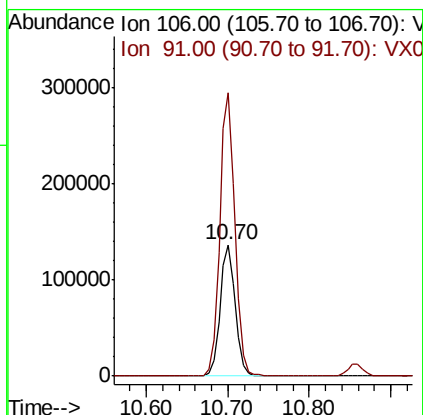
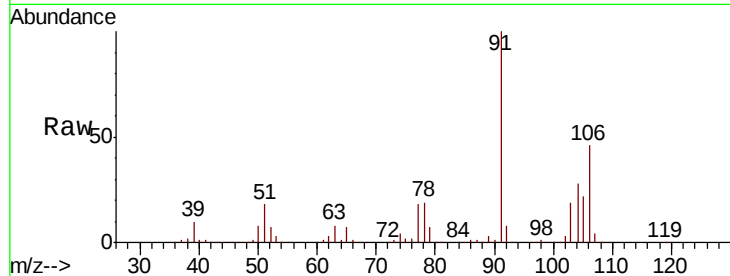




#69
o-Xylene
Concen: 53.784 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

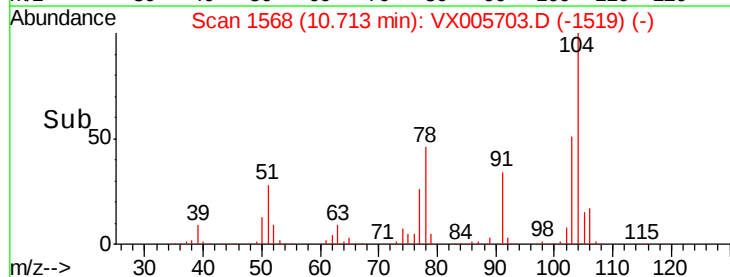
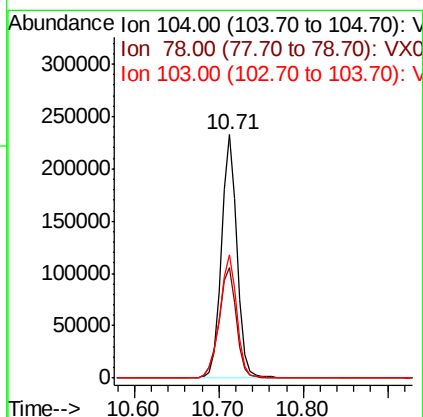
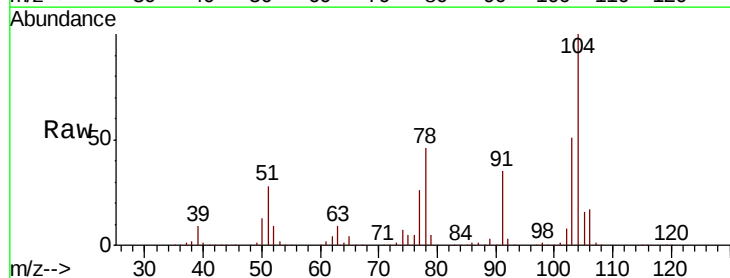
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

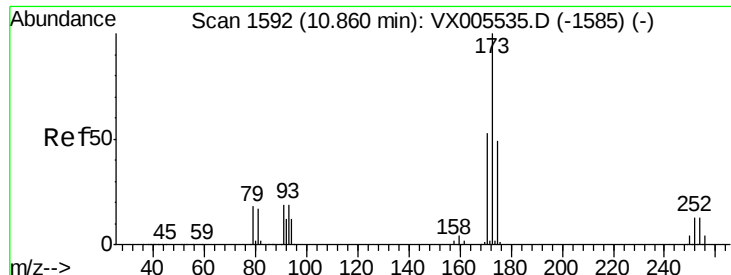
Tot Ion:106 Resp: 176290
Ion Ratio Lower Upper
106 100
91 216.2 108.5 325.5



#70
Styrene
Concen: 54.434 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

Tgt Ion:104 Resp: 298684
Ion Ratio Lower Upper
104 100
78 50.6 40.2 60.4
103 55.4 44.9 67.3

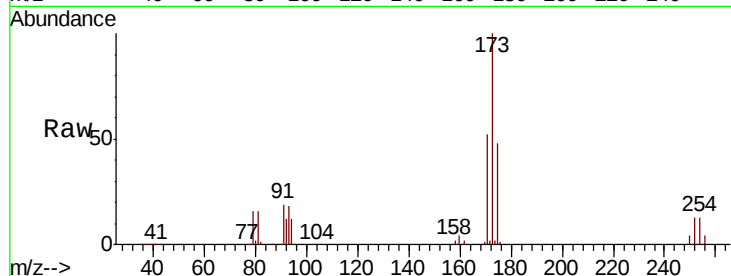




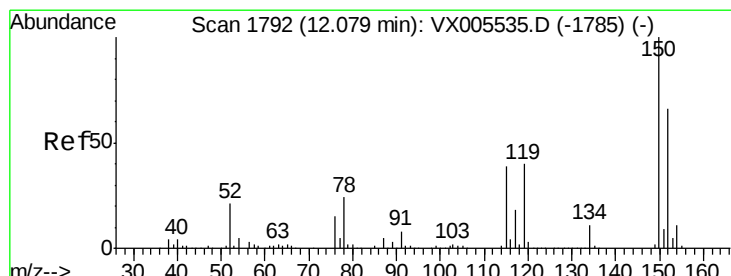
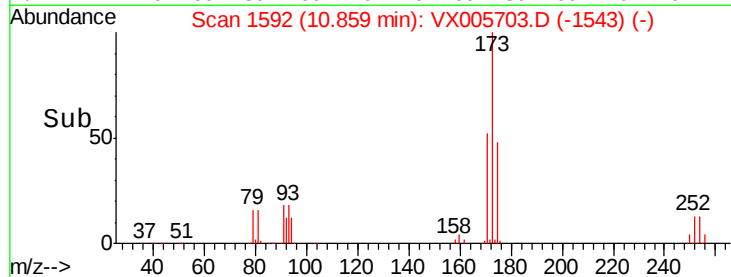
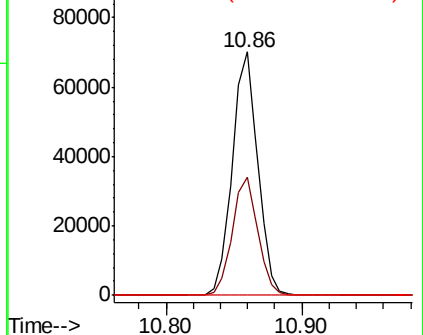
#71
Bromoform
Concen: 51.439 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 91349
Ion Ratio Lower Upper
173 100
175 48.6 24.8 74.3
254 0.2 0.2 0.2

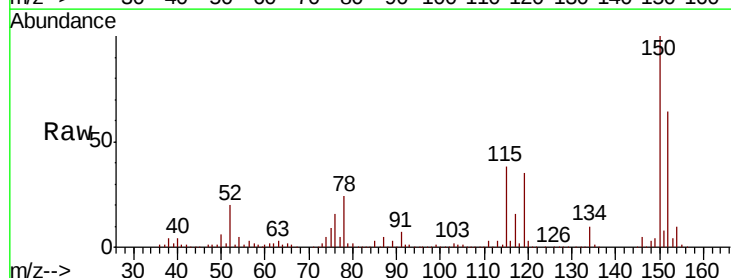


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

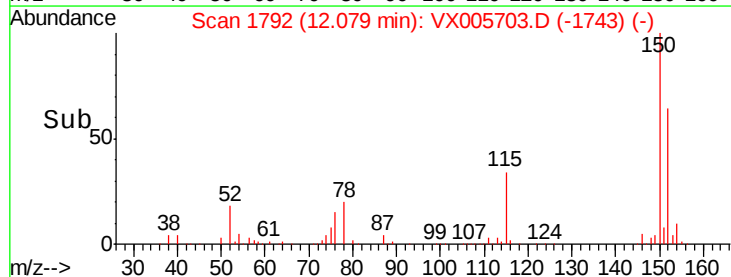
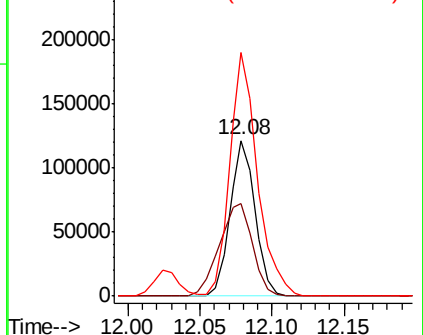


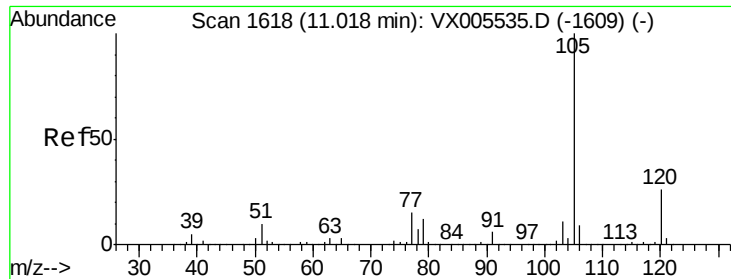
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

Tgt Ion:152 Resp: 147588
Ion Ratio Lower Upper
152 100
115 78.5 39.4 118.1
150 172.6 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

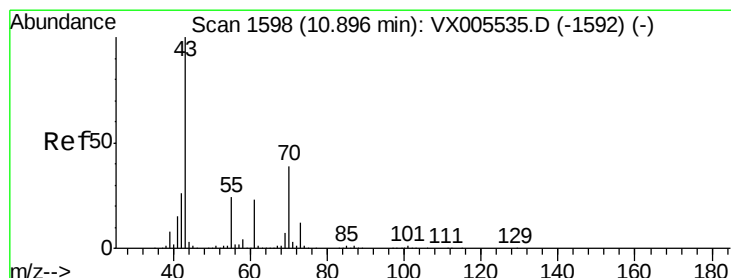
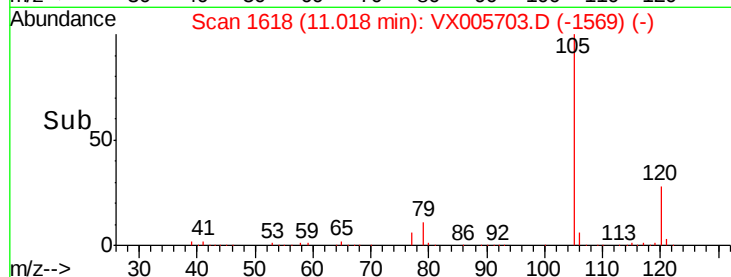
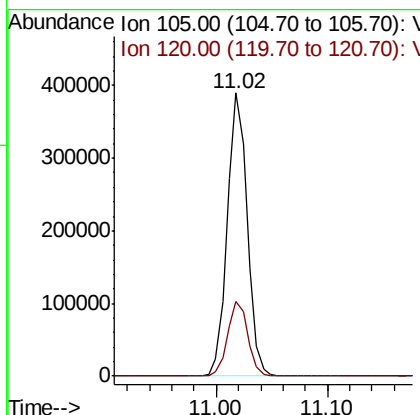
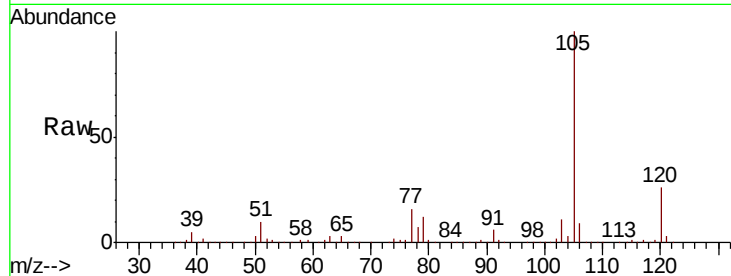




#73
Isopropylbenzene
Concen: 53.475 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

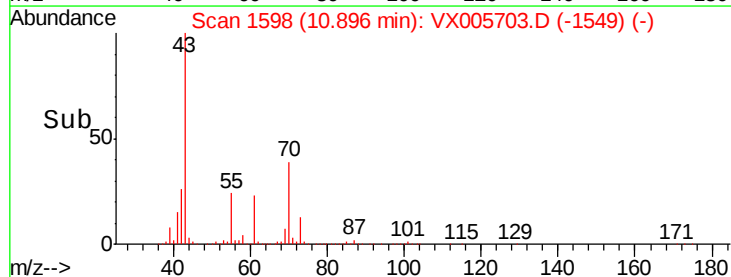
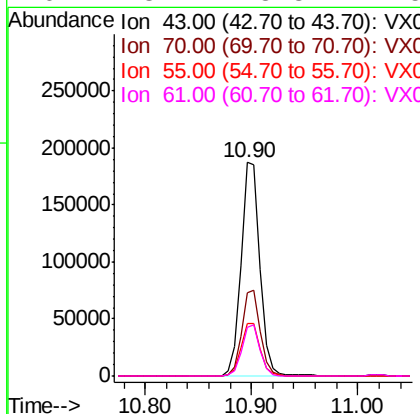
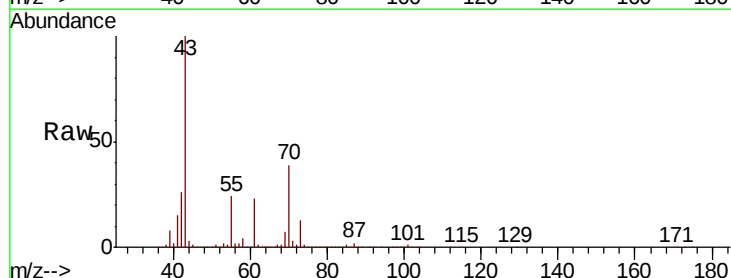
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

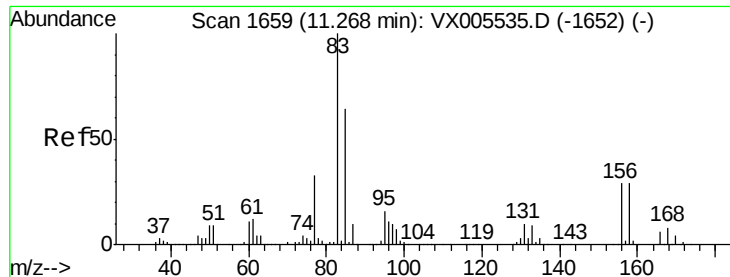
Tot Ion:105 Resp: 482442
Ion Ratio Lower Upper
105 100
120 26.7 13.1 39.3



#74
N-ethyl acetate
Concen: 51.905 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

Tgt Ion: 43 Resp: 232030
Ion Ratio Lower Upper
43 100
70 39.7 31.6 47.4
55 25.1 19.7 29.5
61 23.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.197 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

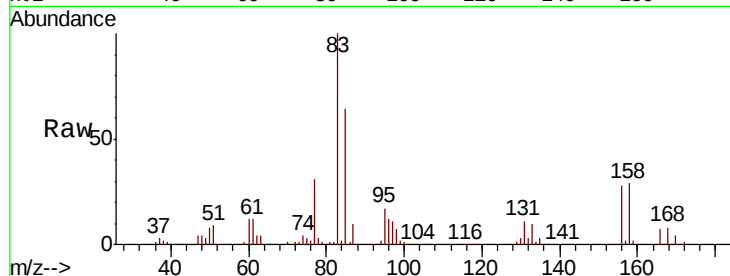
Tot Ion: 83 Resp: 163747

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.9

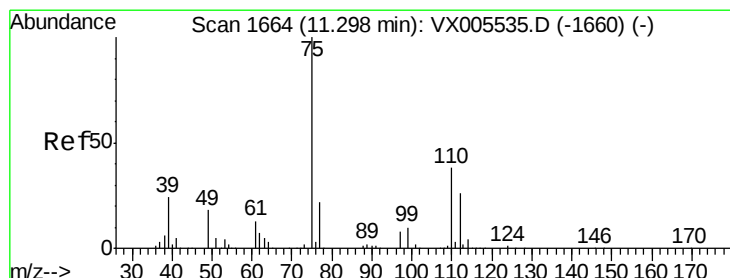
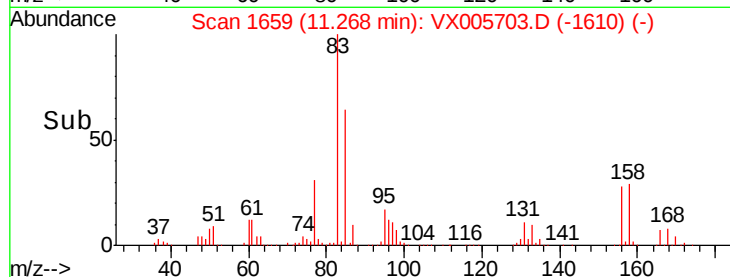
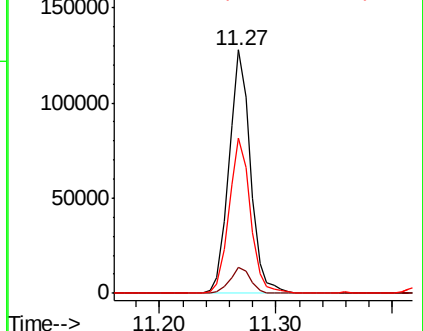
85 63.8 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 60.527 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005703.D

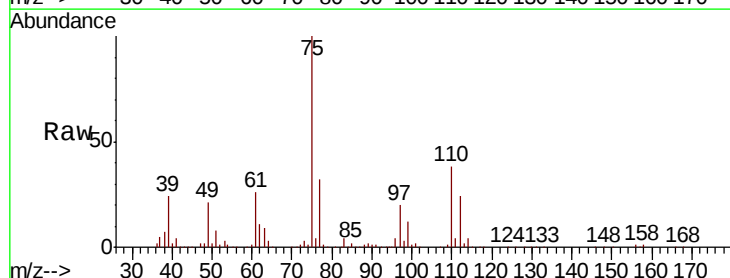
Acq: 30 Oct 2018 20:20

Tgt Ion: 75 Resp: 189270

Ion Ratio Lower Upper

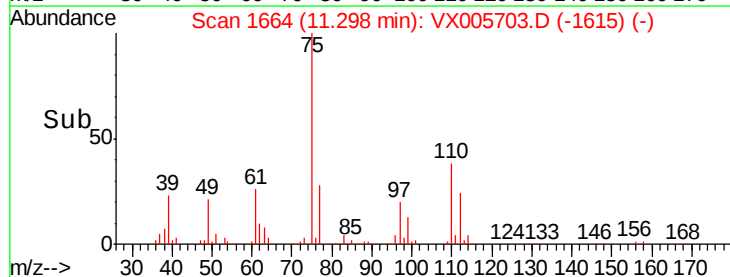
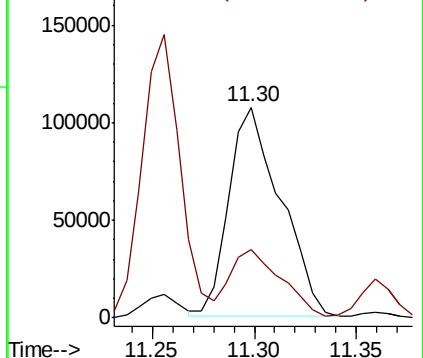
75 100

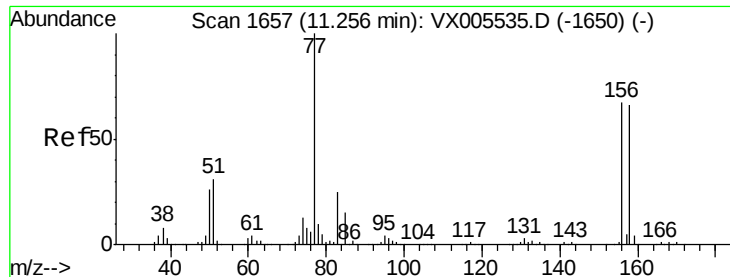
77 32.0 20.5 61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.092 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

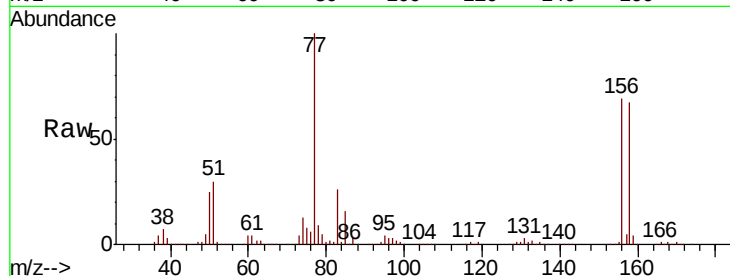
Tot Ion:156 Resp: 128459

Ion Ratio Lower Upper

156 100

77 146.9 74.8 224.4

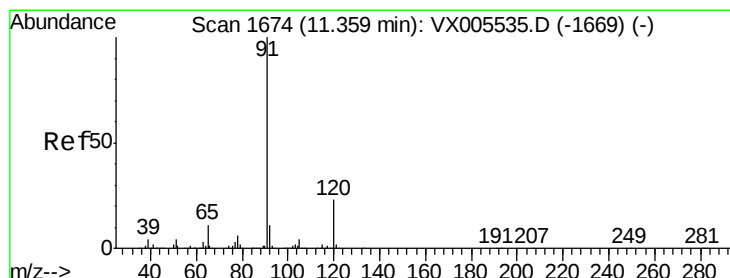
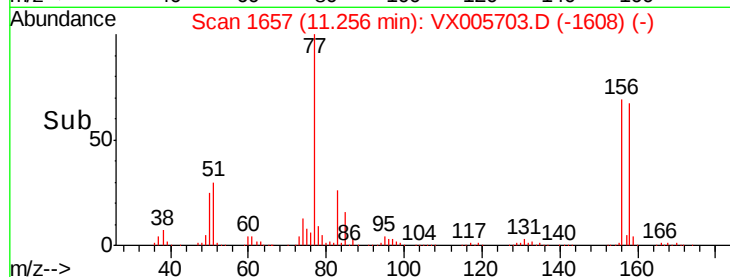
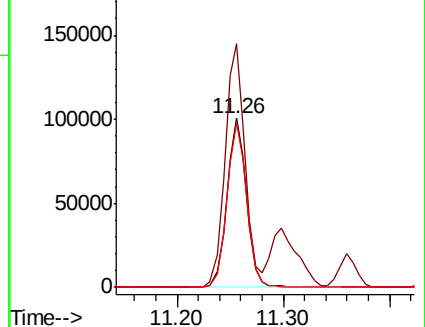
158 97.9 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.846 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005703.D

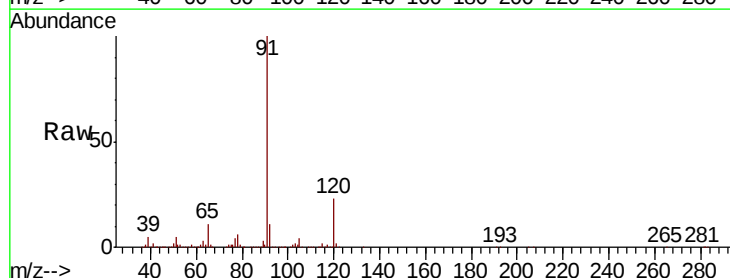
Acq: 30 Oct 2018 20:20

Tgt Ion: 91 Resp: 555485

Ion Ratio Lower Upper

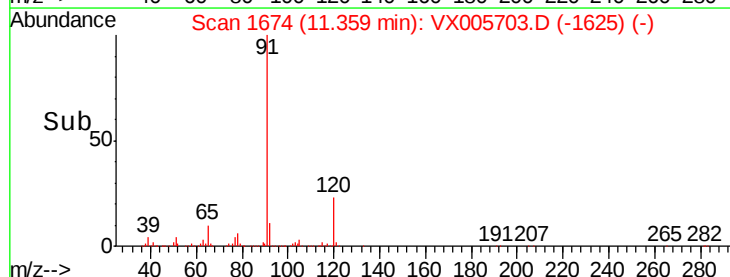
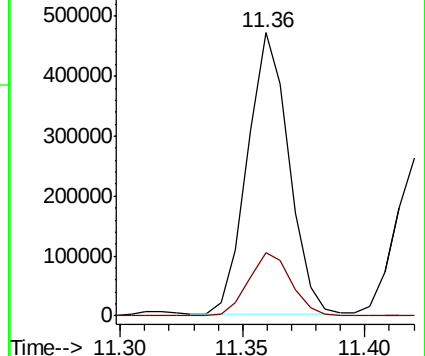
91 100

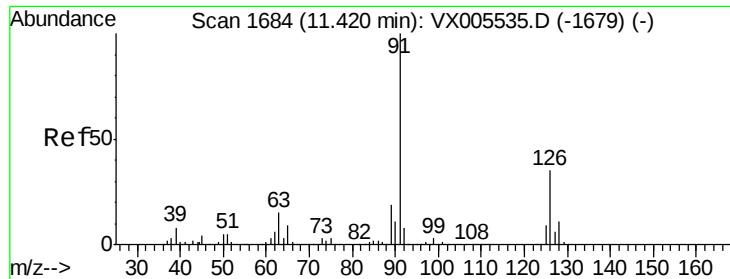
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

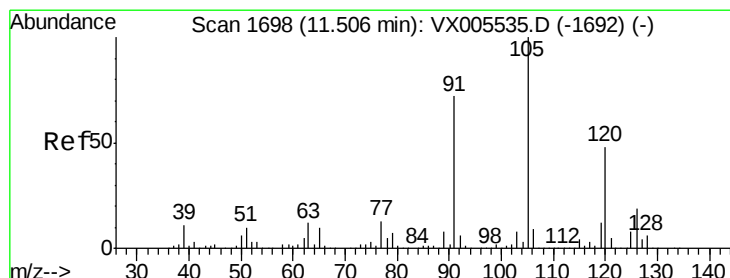
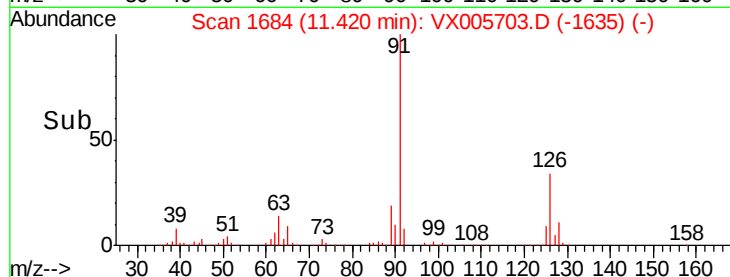
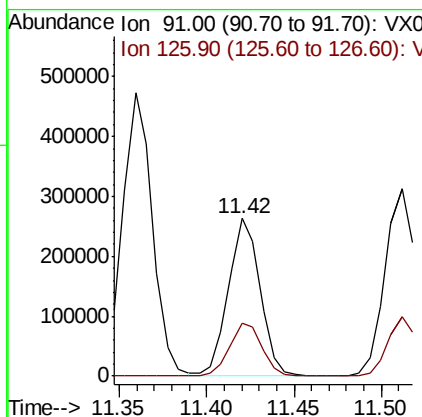
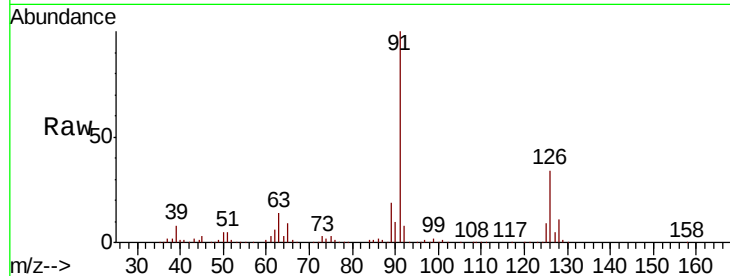




#79
 2-Chlorotoluene
 Concen: 51.525 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

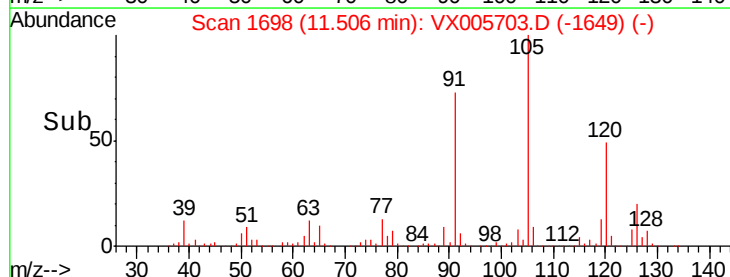
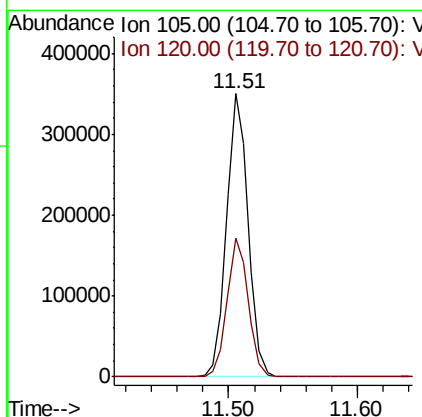
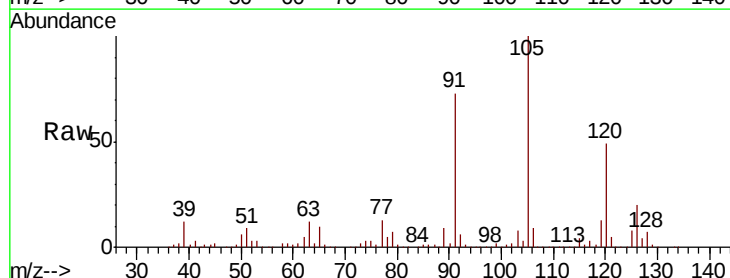
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

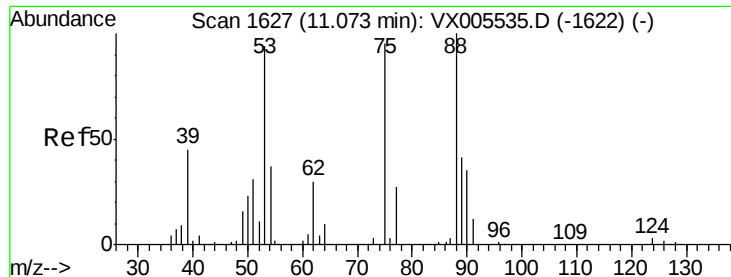
Tot Ion: 91 Resp: 329567
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 53.394 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Tgt Ion: 105 Resp: 412077
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 47.886 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

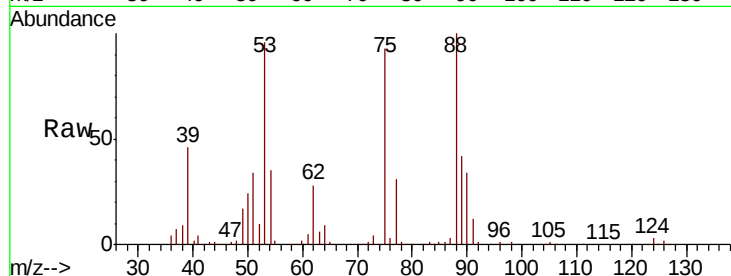
Tot Ion: 75 Resp: 45827

Ion Ratio Lower Upper

75 100

53 100.9 80.2 120.2

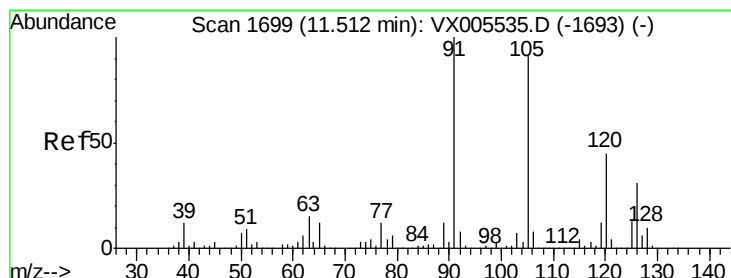
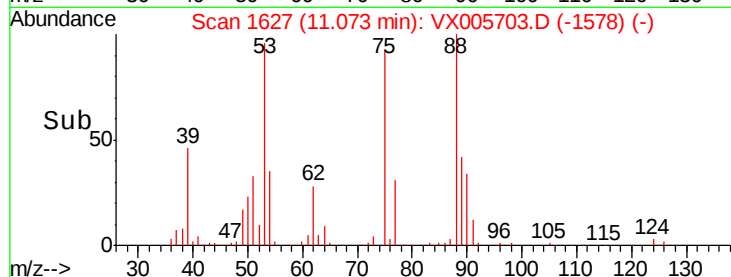
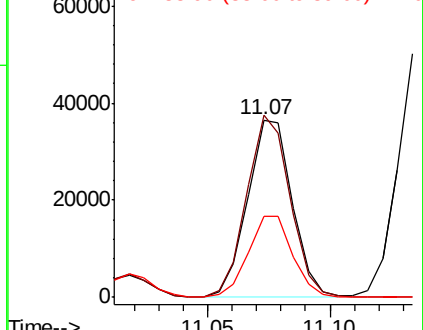
89 46.1 39.8 59.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 51.796 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005703.D

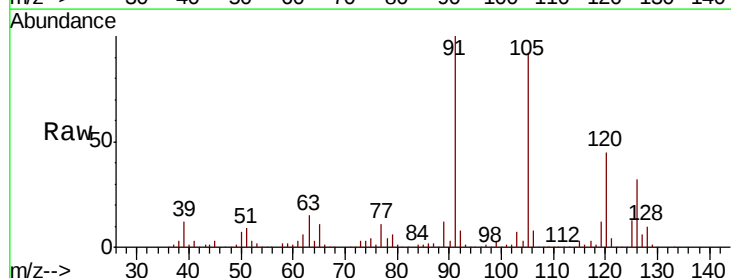
Acq: 30 Oct 2018 20:20

Tgt Ion: 91 Resp: 390655

Ion Ratio Lower Upper

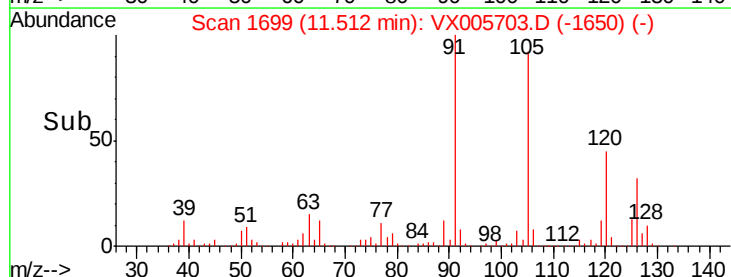
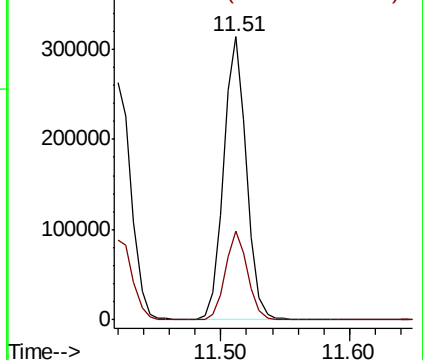
91 100

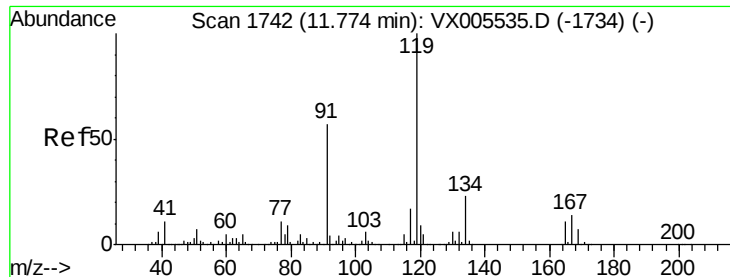
126 30.6 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

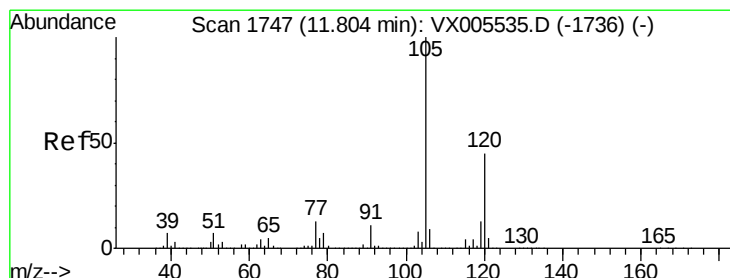
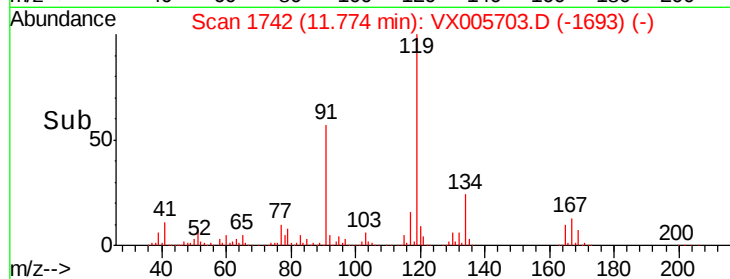
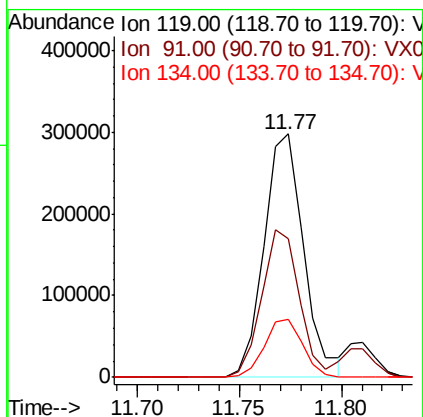
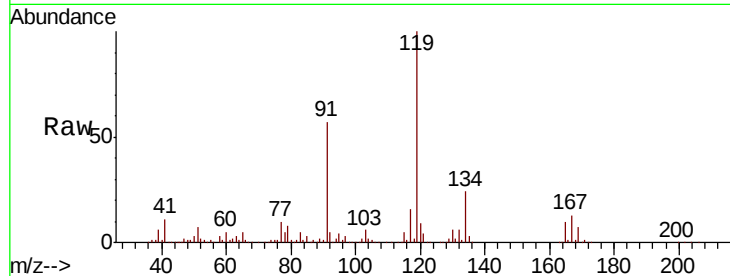




#83
 tert-Butylbenzene
 Concen: 52.638 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

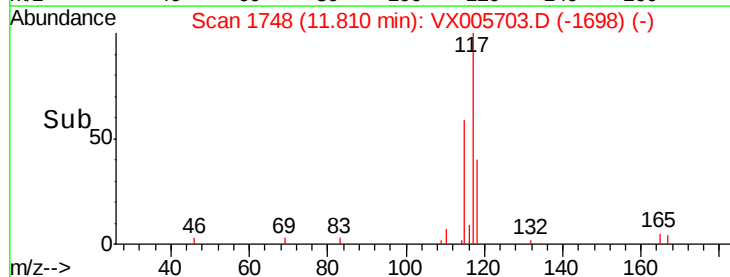
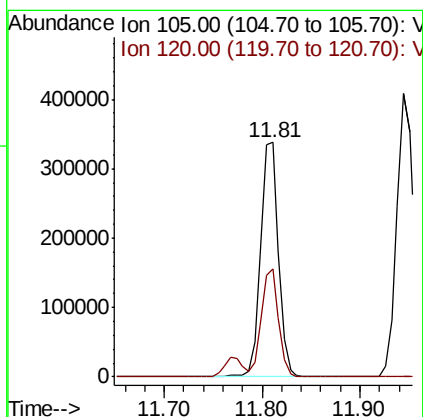
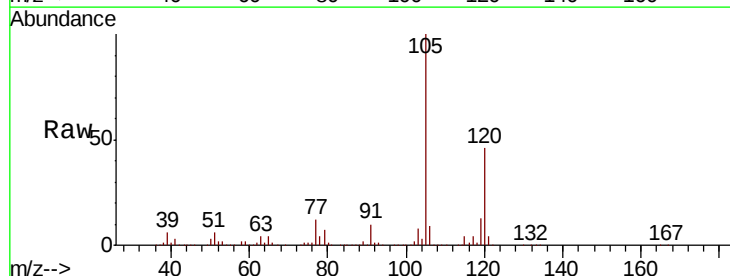
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

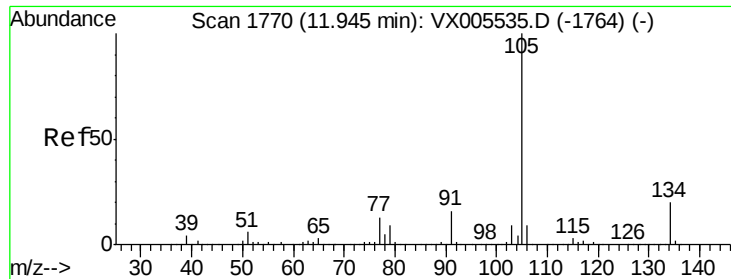
Tot Ion:119 Resp: 404945
 Ion Ratio Lower Upper
 119 100
 91 57.4 28.5 85.5
 134 23.1 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 54.495 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Tgt Ion:105 Resp: 426248
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.0





#85

sec-Butylbenzene

Concen: 53.480 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

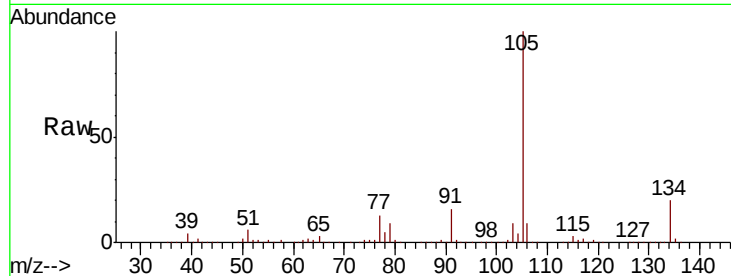
VSTDCCC050EC

Tot Ion:105 Resp: 490932

Ion Ratio Lower Upper

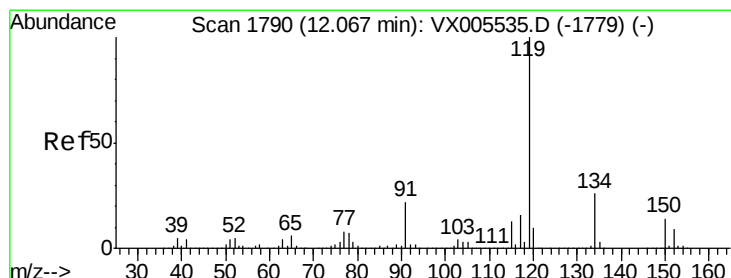
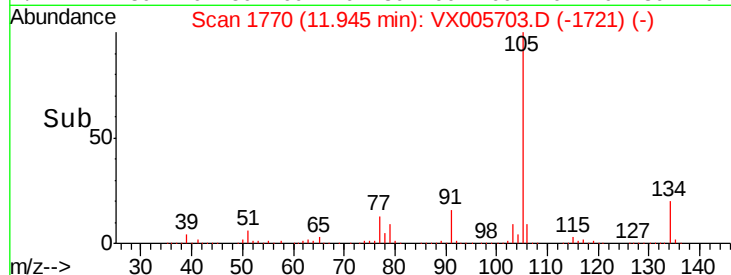
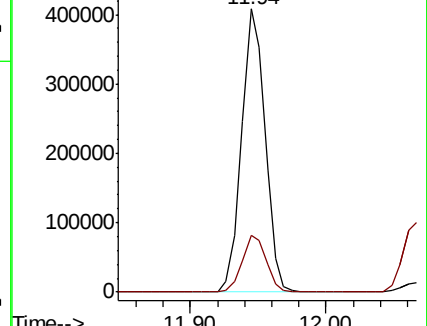
105 100

134 20.5 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.331 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

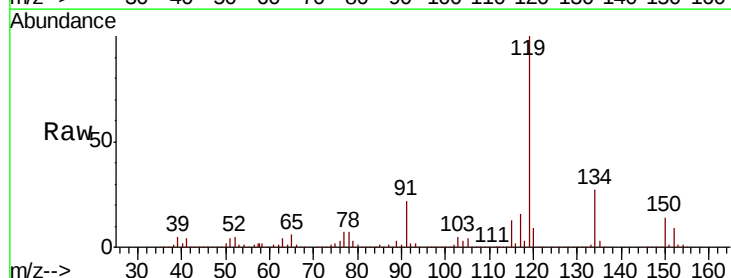
Tgt Ion:119 Resp: 445850

Ion Ratio Lower Upper

119 100

134 26.7 13.0 39.0

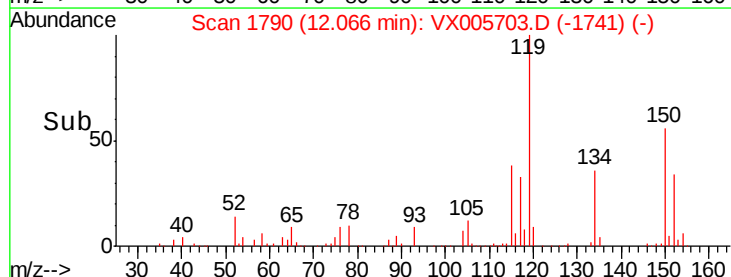
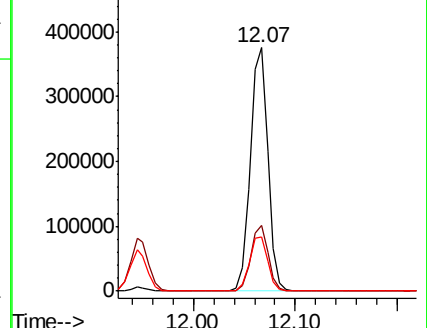
91 23.1 11.4 34.2

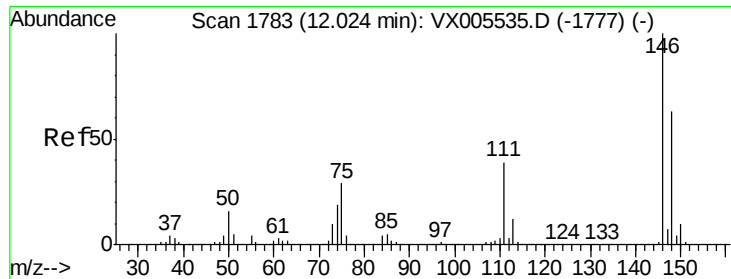


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

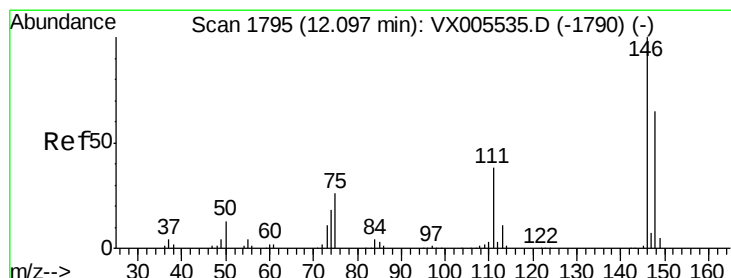
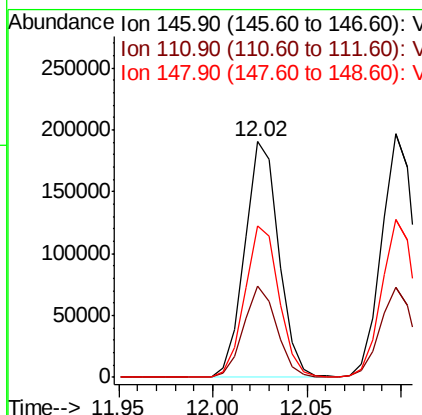
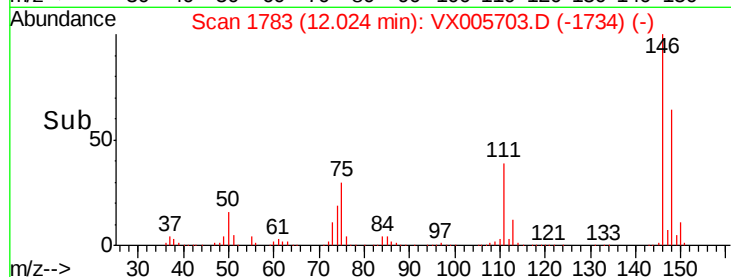
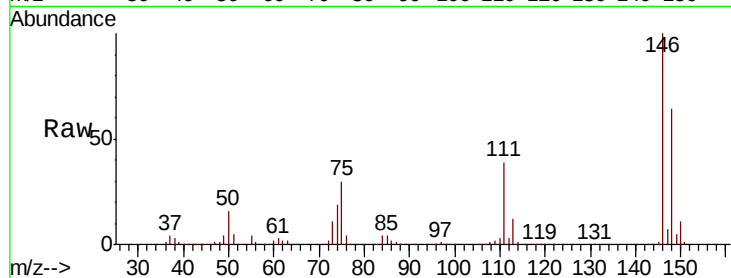




#87
 1,3-Dichlorobenzene
 Concen: 50.614 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

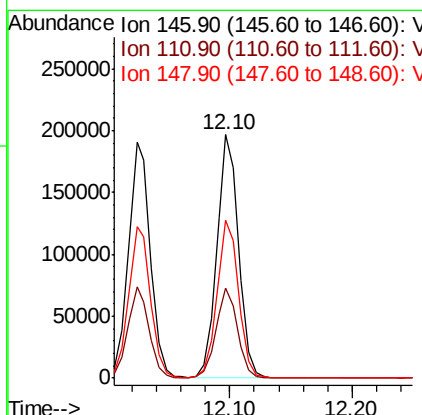
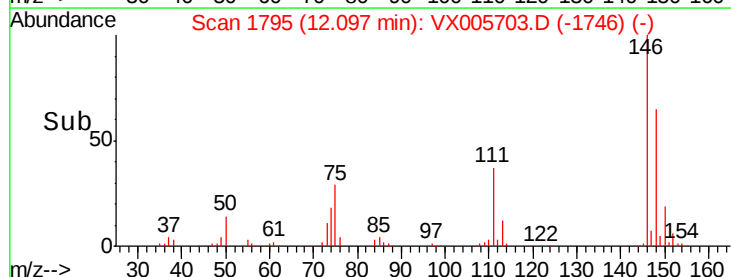
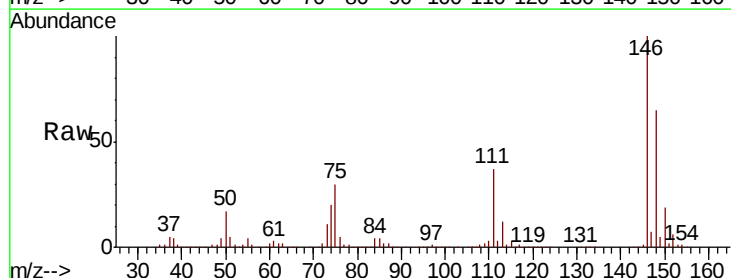
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

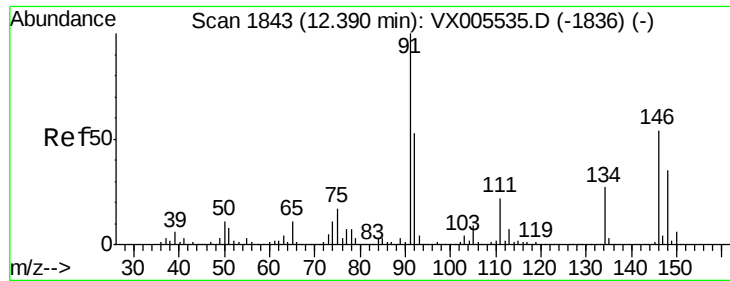
Tot Ion:146 Resp: 239303
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.0 57.0
 148 64.4 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 49.151 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Tgt Ion:146 Resp: 242575
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.8
 148 64.7 32.1 96.3

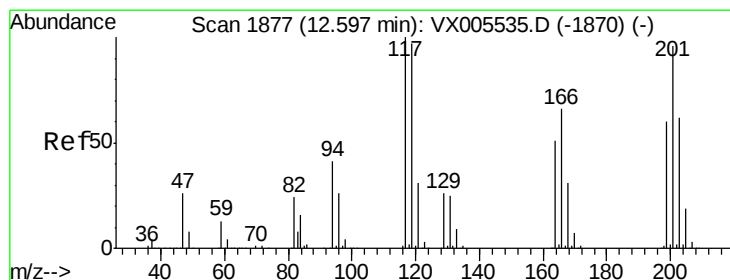
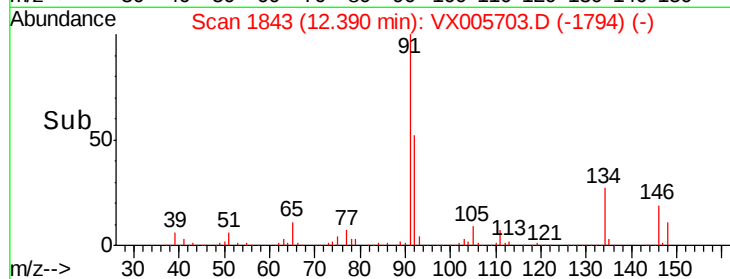
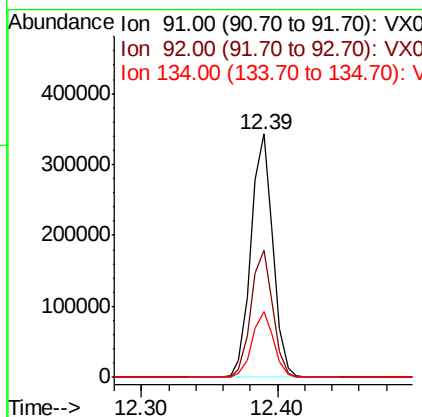
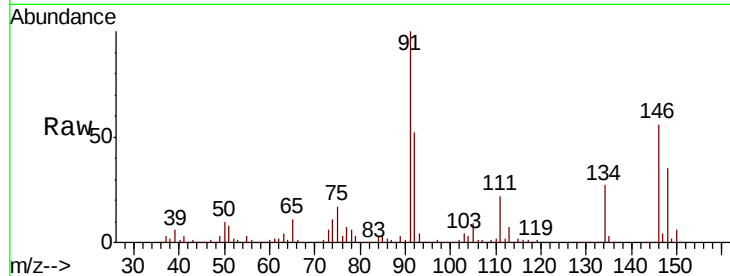




#89
n-Butylbenzene
Concen: 52.285 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

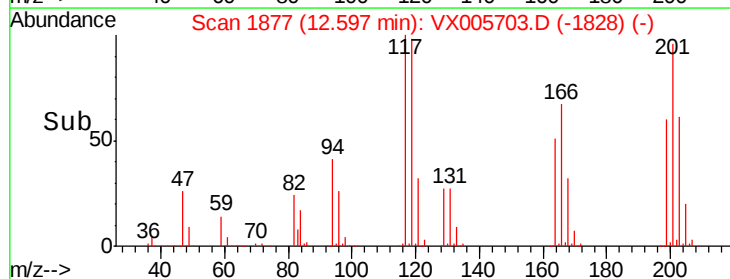
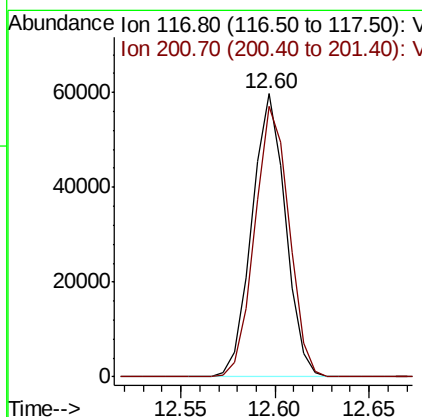
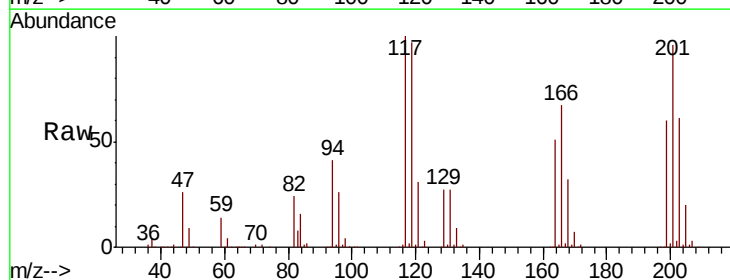
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

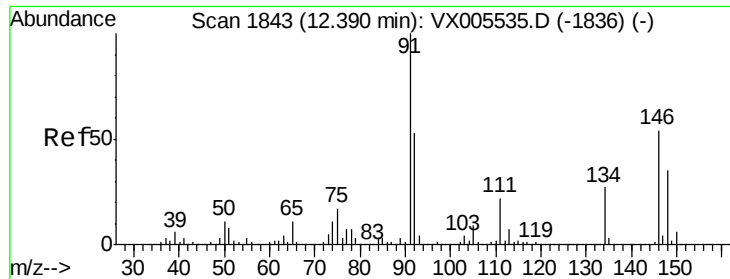
Tot Ion: 91 Resp: 387343
Ion Ratio Lower Upper
91 100
92 52.2 26.1 78.2
134 26.5 13.1 39.3



#90
Hexachloroethane
Concen: 52.114 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005703.D
Acq: 30 Oct 2018 20:20

Tgt Ion: 117 Resp: 73758
Ion Ratio Lower Upper
117 100
201 97.6 47.9 143.6

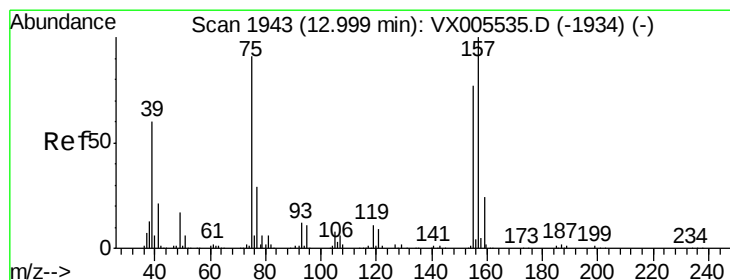
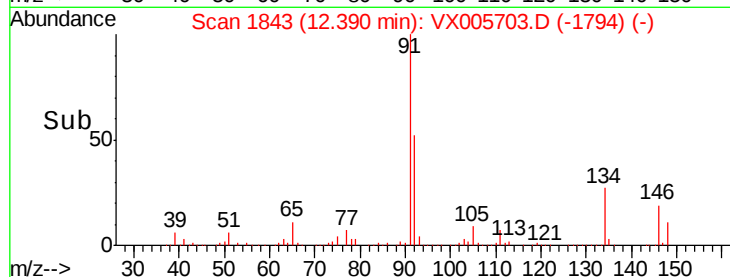
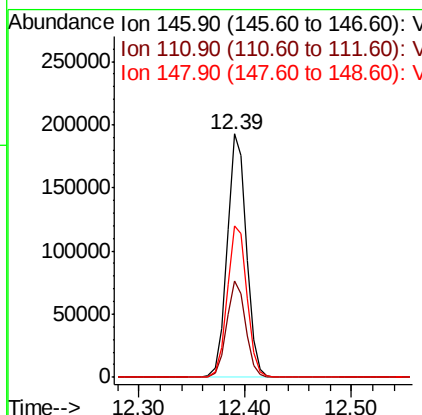
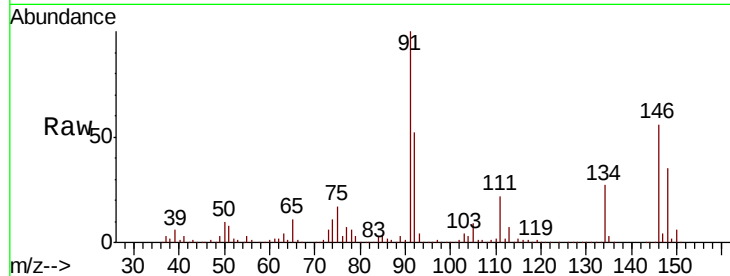




#91
 1,2-Dichlorobenzene
 Concen: 50.780 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

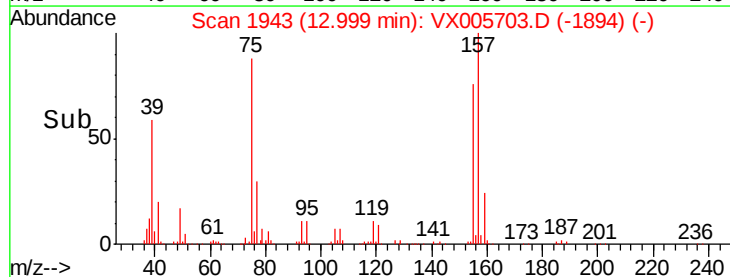
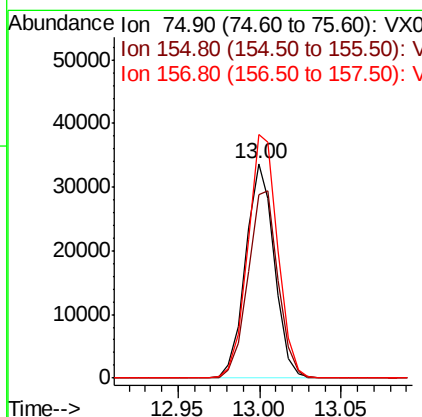
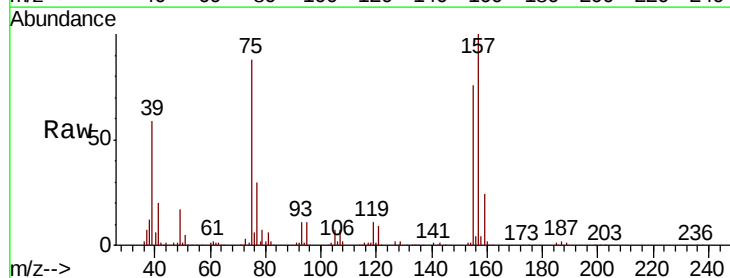
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

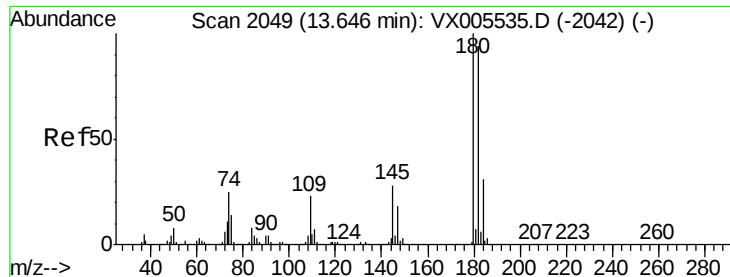
Tot Ion:146 Resp: 242905
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.0 59.9
 148 63.9 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.409 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Tgt Ion: 75 Resp: 41373
 Ion Ratio Lower Upper
 75 100
 155 91.3 45.4 136.1
 157 118.1 57.4 172.0

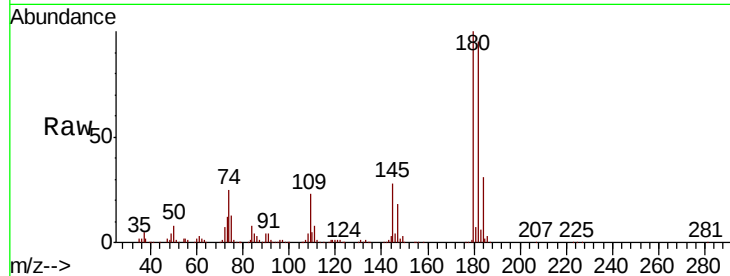




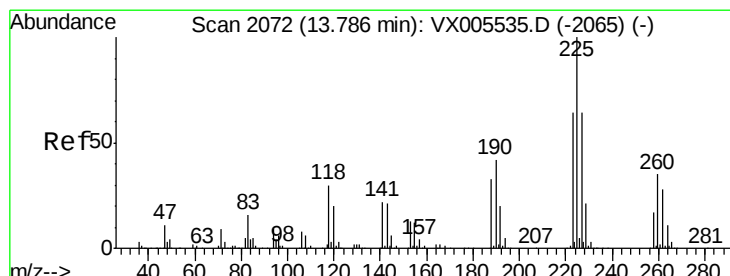
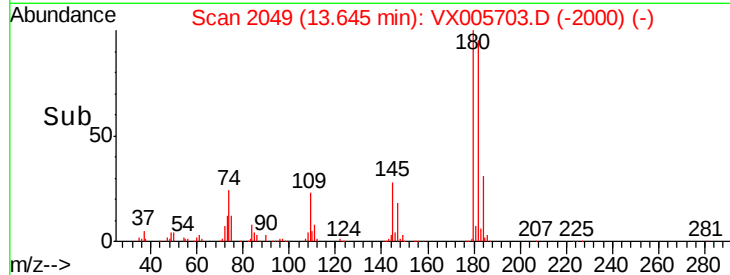
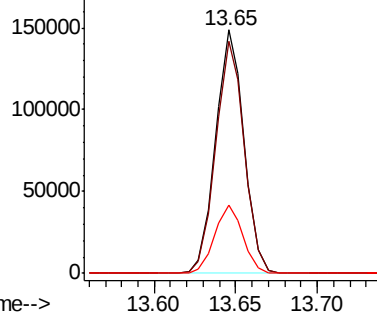
#93
 1,2,4-Trichlorobenzene
 Concen: 51.801 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 179625
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.6 142.8
 145 27.9 14.1 42.2

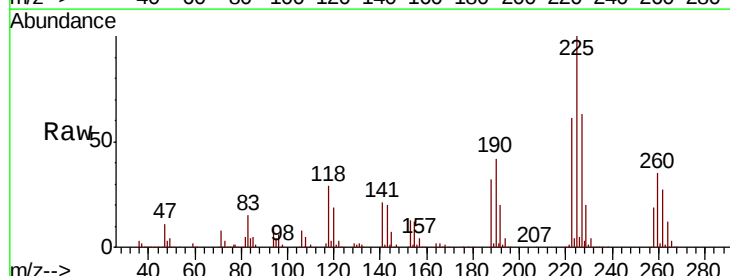


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

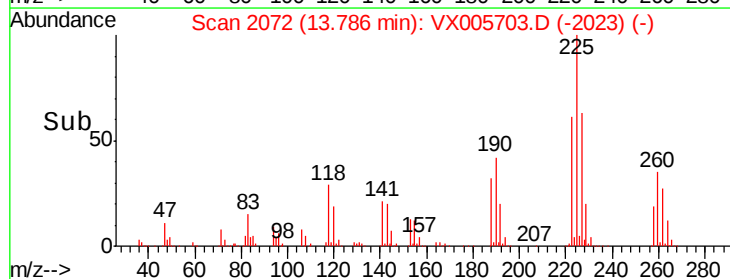
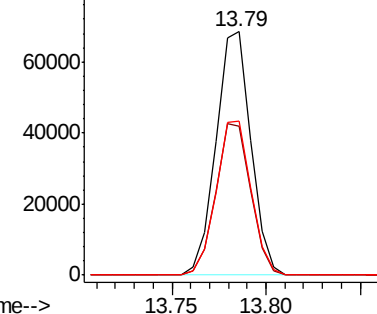


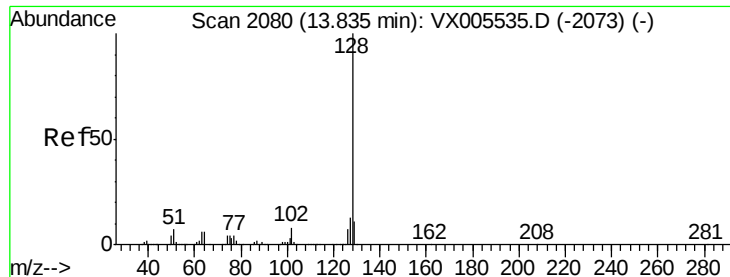
#94
 Hexachlorobutadiene
 Concen: 48.935 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005703.D
 Acq: 30 Oct 2018 20:20

Tgt Ion:225 Resp: 87935
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.7 95.1
 227 63.4 32.3 96.9



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





#95

Naphthalene

Concen: 55.601 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

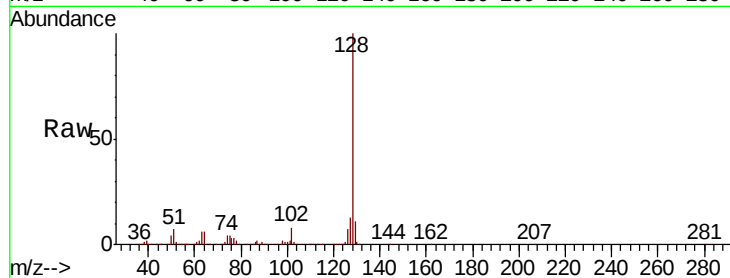
Tot Ion:128 Resp: 560426

Ion Ratio Lower Upper

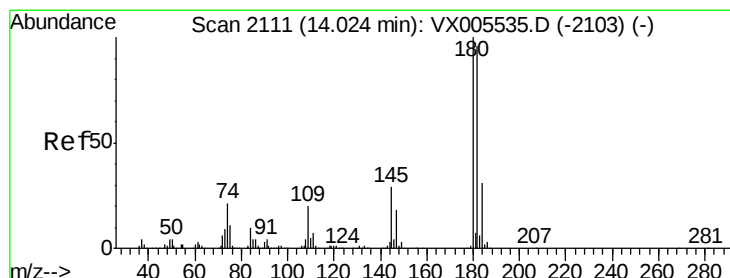
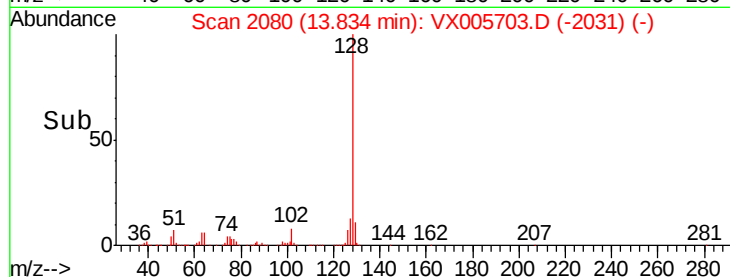
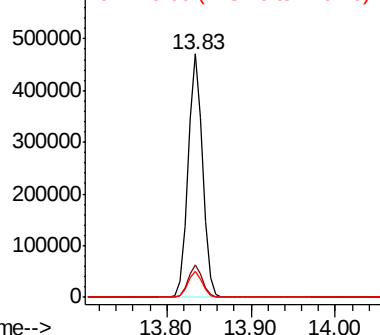
128 100

127 13.1 10.4 15.6

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.894 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005703.D

Acq: 30 Oct 2018 20:20

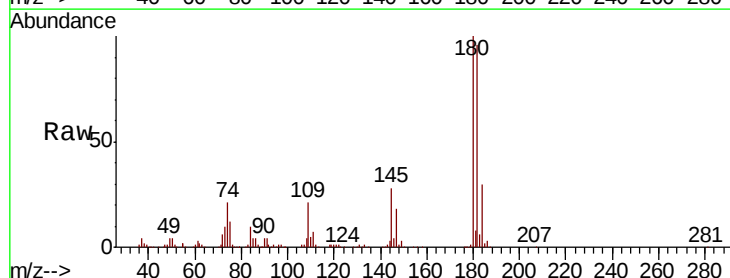
Tgt Ion:180 Resp: 185923

Ion Ratio Lower Upper

180 100

182 95.6 48.0 144.2

145 29.2 15.1 45.3



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

