

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006633.D
 Acq On : 19 Dec 2018 07:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 19 10:28:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 00:58:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	584572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	927493	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	846198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	439825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	315155	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
35) Dibromofluoromethane	5.50	113	287324	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	8.71	98	1098891	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	408930	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	255029	47.689	ug/l	99
3) Chloromethane	1.33	50	281816	48.914	ug/l	100
4) Vinyl Chloride	1.41	62	300698	49.972	ug/l	98
5) Bromomethane	1.64	94	300828	53.715	ug/l	98
6) Chloroethane	1.72	64	193253	46.383	ug/l	100
7) Trichlorofluoromethane	1.93	101	465051	49.571	ug/l	96
8) Diethyl Ether	2.19	74	178806	47.986	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	260957	47.375	ug/l	99
10) Methyl Iodide	2.51	142	427850	54.262	ug/l	100
11) Tert butyl alcohol	3.07	59	358158	254.727	ug/l	100
12) 1,1-Dichloroethene	2.37	96	256263	49.065	ug/l	99
13) Acrolein	2.30	56	203241	214.270	ug/l	98
14) Allyl chloride	2.73	41	425364	48.383	ug/l	99
15) Acrylonitrile	3.15	53	801732	256.812	ug/l	99
16) Acetone	2.45	43	664028	229.407	ug/l	97
17) Carbon Disulfide	2.57	76	648791	46.939	ug/l	99
18) Methyl Acetate	2.78	43	437338	51.383	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	888664	51.264	ug/l	99
20) Methylene Chloride	2.86	84	289638	48.391	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	274605	47.451	ug/l	98
22) Diisopropyl ether	3.87	45	819618	50.960	ug/l	98
23) Vinyl Acetate	3.82	43	3292188	250.245	ug/l	100
24) 1,1-Dichloroethane	3.70	63	462727	48.195	ug/l	100
25) 2-Butanone	4.70	43	1001730	246.033	ug/l	97
26) 2,2-Dichloropropane	4.58	77	244542	32.973	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	318463	49.877	ug/l	97
28) Bromochloromethane	5.02	49	214215	53.041	ug/l	100
29) Tetrahydrofuran	5.15	42	682169	254.385	ug/l	100
30) Chloroform	5.21	83	501562	50.446	ug/l	98
31) Cyclohexane	5.57	56	420054	48.158	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	431180	51.360	ug/l	99
36) 1,1-Dichloropropene	5.80	75	370995	48.295	ug/l	99
37) Ethyl Acetate	4.85	43	389606	48.729	ug/l	100
38) Carbon Tetrachloride	5.78	117	367851	49.274	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	462605	45.742	ug/l	99
40) Benzene	6.14	78	1137140	48.700	ug/l	100
41) Methacrylonitrile	5.06	41	216293	50.954	ug/l	98
42) 1,2-Dichloroethane	6.20	62	377290	47.418	ug/l	100
43) Isopropyl Acetate	6.46	43	622620	51.180	ug/l	99
44) Trichloroethene	7.21	130	333215	47.149	ug/l	96
45) 1,2-Dichloropropane	7.51	63	283314	49.860	ug/l	99
46) Dibromomethane	7.66	93	202227	48.385	ug/l	99
47) Bromodichloromethane	7.90	83	346799	49.978	ug/l	98
48) Methyl methacrylate	7.77	41	316736	51.199	ug/l	99
49) 1,4-Dioxane	7.75	88	165040	1020.022	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2014919	260.312	ug/l	100
52) Toluene	8.79	92	743688	49.299	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	362196	48.669	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	404894	49.584	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	309011	50.045	ug/l	98
56) Ethyl methacrylate	9.18	69	457848	52.463	ug/l	99
57) 1,3-Dichloropropane	9.37	76	484698	48.791	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1139353	245.603	ug/l	100
59) 2-Hexanone	9.49	43	1519514	256.574	ug/l	99
60) Dibromochloromethane	9.59	129	303118	53.296	ug/l	99
61) 1,2-Dibromoethane	9.67	107	333609	50.826	ug/l	100
64) Tetrachloroethene	9.34	164	330902	49.384	ug/l	99
65) Chlorobenzene	10.14	112	876332	48.951	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	293923	52.624	ug/l	99
67) Ethyl Benzene	10.25	91	1441585	49.280	ug/l	99
68) m/p-Xylenes	10.36	106	1154822	100.043	ug/l	99
69) o-Xylene	10.70	106	571042	50.097	ug/l	99
70) Styrene	10.71	104	923954	51.236	ug/l	100
71) Bromoform	10.86	173	225646	45.253	ug/l #	98
73) Isopropylbenzene	11.02	105	1483730	49.311	ug/l	99
74) N-amyl acetate	10.90	43	567394	52.682	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	454228	50.760	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	496954	60.799	ug/l	90
77) Bromobenzene	11.26	156	402687	49.502	ug/l	99
78) n-propylbenzene	11.36	91	1649404	49.779	ug/l	99
79) 2-Chlorotoluene	11.42	91	985919	49.100	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1228551	49.571	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	100476	38.475	ug/l	95
82) 4-Chlorotoluene	11.51	91	1124563	48.824	ug/l	99
83) tert-Butylbenzene	11.77	119	1260690	50.825	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1278185	49.033	ug/l	99
85) sec-Butylbenzene	11.94	105	1494755	49.151	ug/l	100
86) p-Isopropyltoluene	12.06	119	1331473	49.806	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	727872	49.647	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	723604	48.146	ug/l	100
89) n-Butylbenzene	12.39	91	1113563	48.945	ug/l	99
90) Hexachloroethane	12.60	117	192691	46.316	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	712309	48.569	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	92668	50.048	ug/l	99

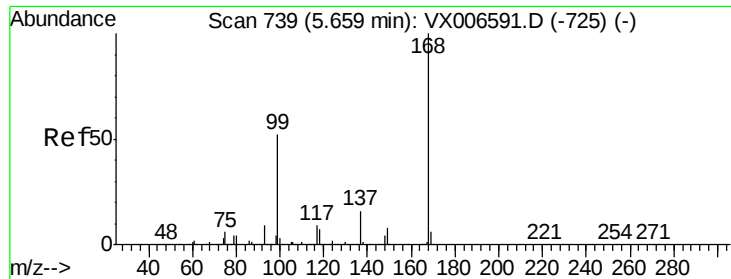
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121818\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	497888	49.215	ug/l	100
94) Hexachlorobutadiene	13.78	225	217815	45.679	ug/l	99
95) Naphthalene	13.83	128	1596547	49.446	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	501007	47.965	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. 0.01 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

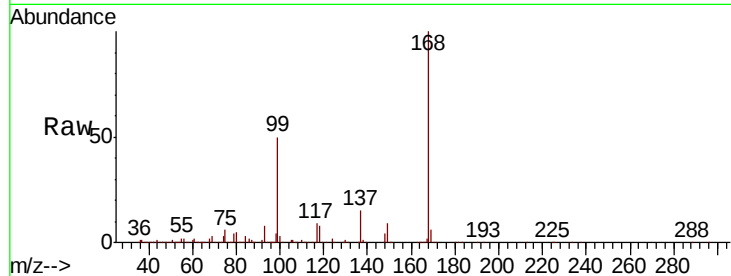
VSTDCCC050EC

Tot Ion:168 Resp: 584572

Ion Ratio Lower Upper

168 100

99 49.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

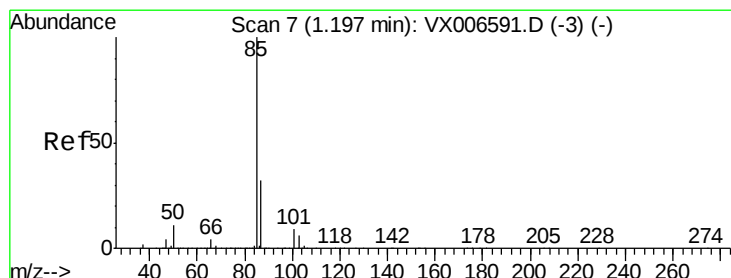
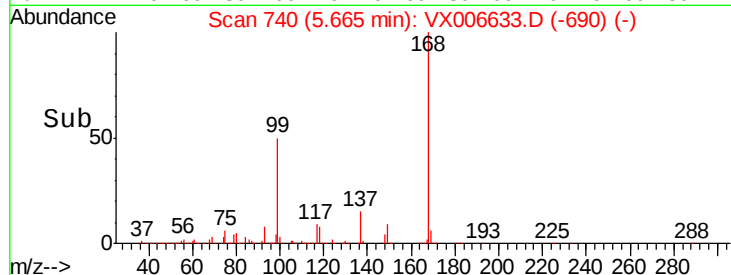
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 47.689 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006633.D

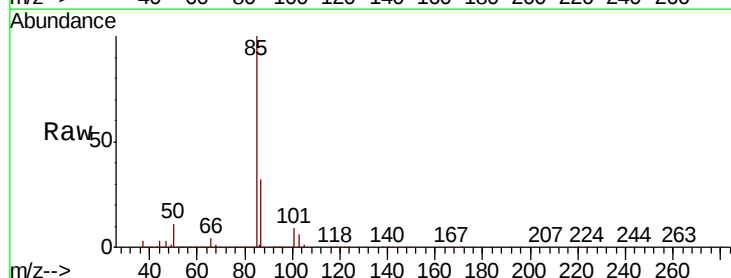
Acq: 19 Dec 2018 07:51

Tgt Ion: 85 Resp: 255029

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

150000

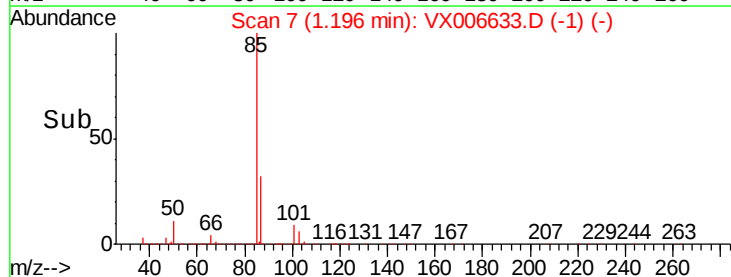
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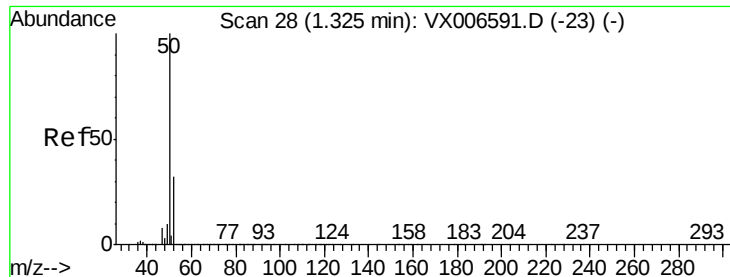
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 48.914 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

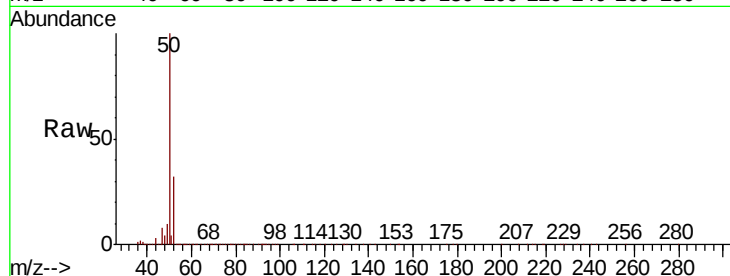
VSTDCCC050EC

Tot Ion: 50 Resp: 281816

Ion Ratio Lower Upper

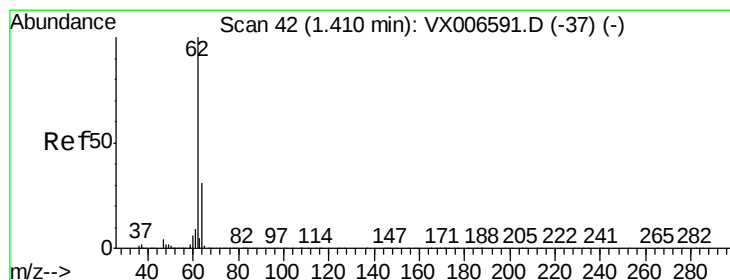
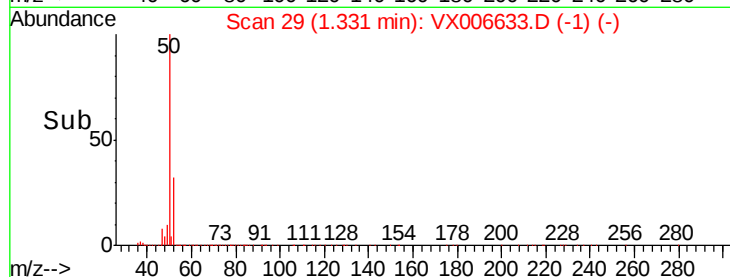
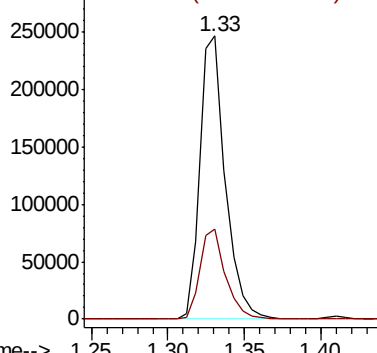
50 100

52 31.9 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.972 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006633.D

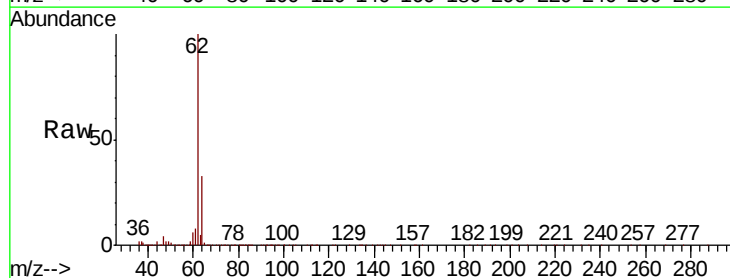
Acq: 19 Dec 2018 07:51

Tgt Ion: 62 Resp: 300698

Ion Ratio Lower Upper

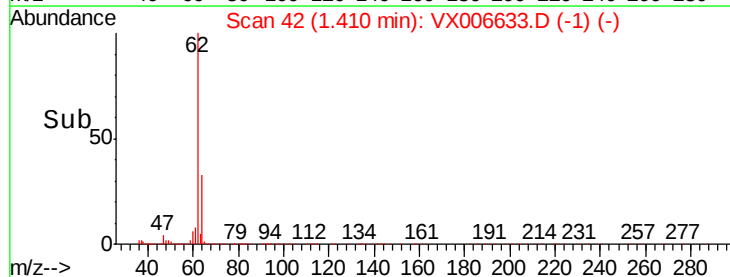
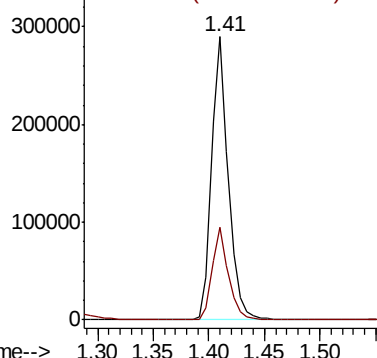
62 100

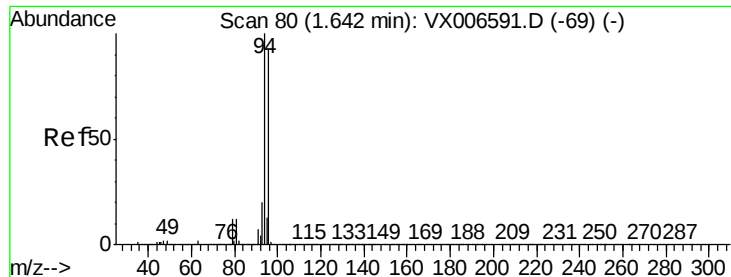
64 32.5 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 53.715 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

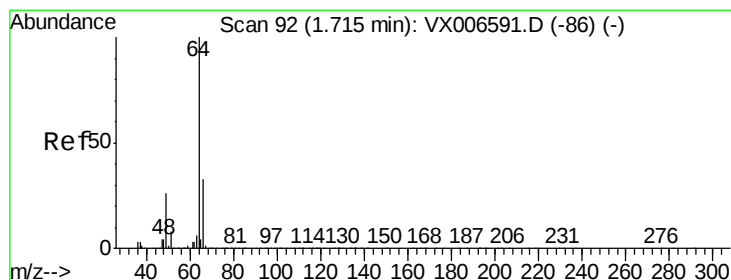
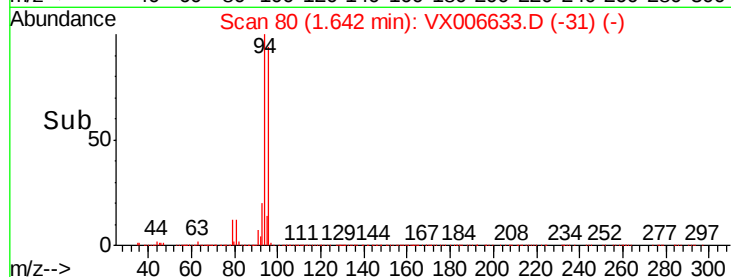
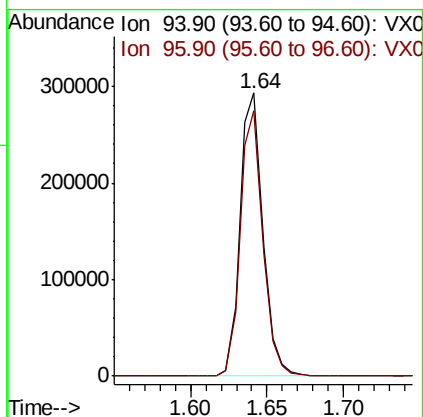
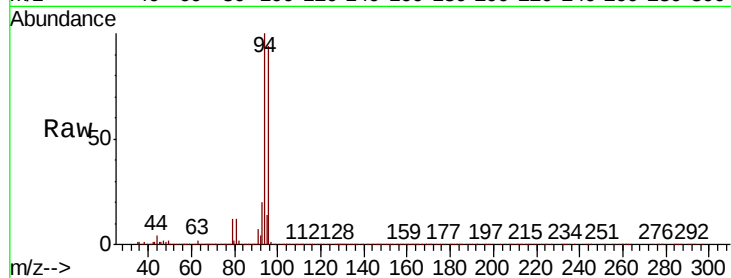
VSTDCCC050EC

Tot Ion: 94 Resp: 300828

Ion Ratio Lower Upper

94 100

96 93.7 73.4 110.2



#6

Chloroethane

Concen: 46.383 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006633.D

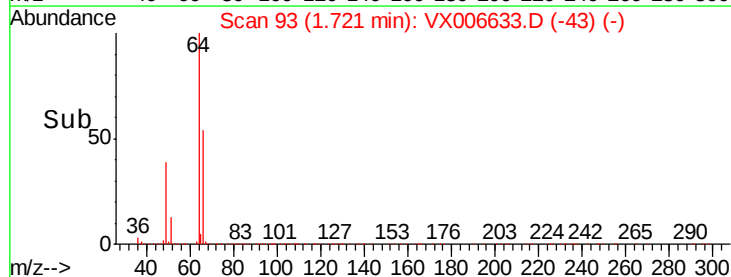
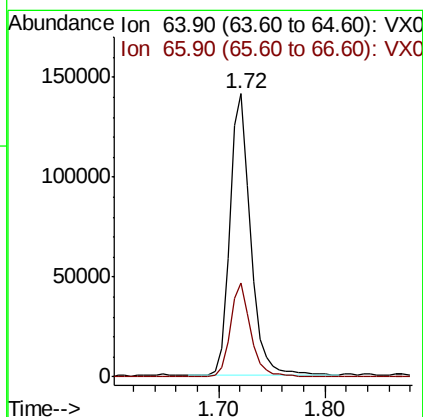
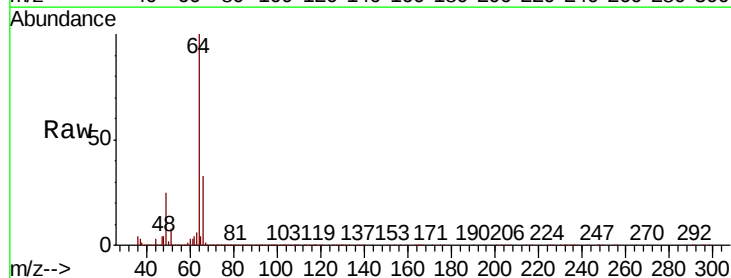
Acq: 19 Dec 2018 07:51

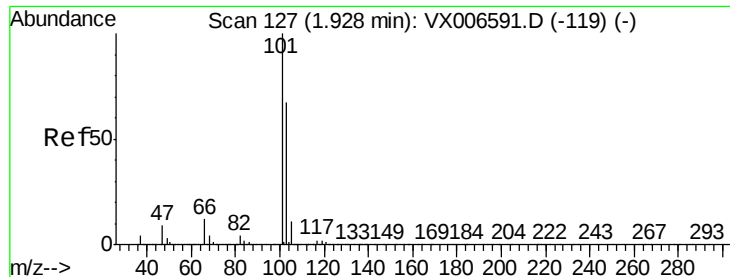
Tgt Ion: 64 Resp: 193253

Ion Ratio Lower Upper

64 100

66 33.1 26.4 39.6



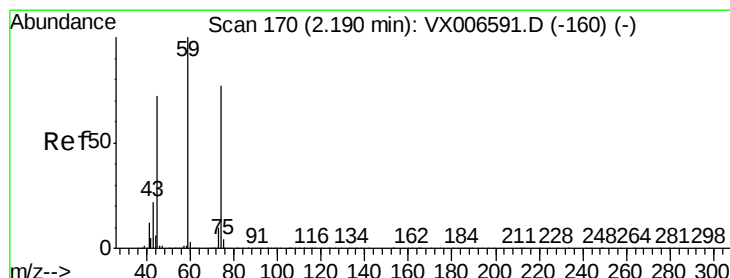
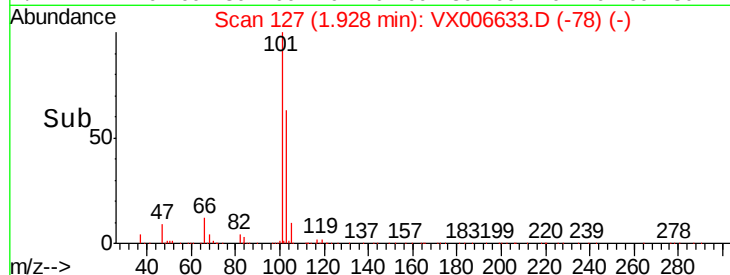
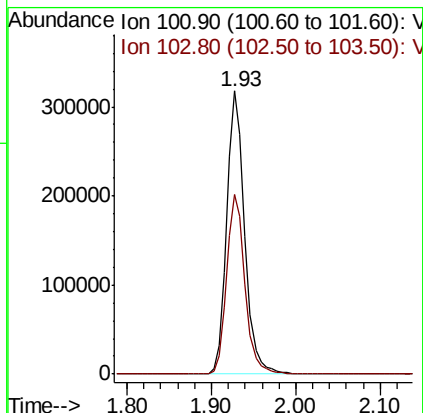
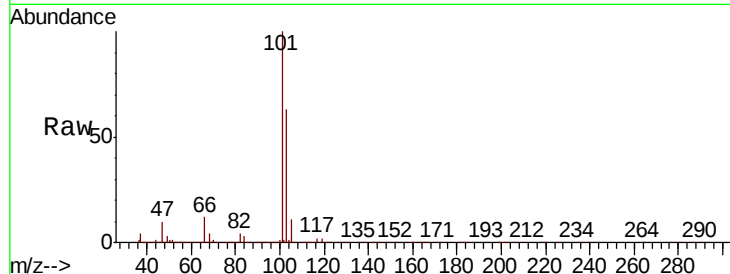


#7

Trichlorofluoromethane
Concen: 49.571 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

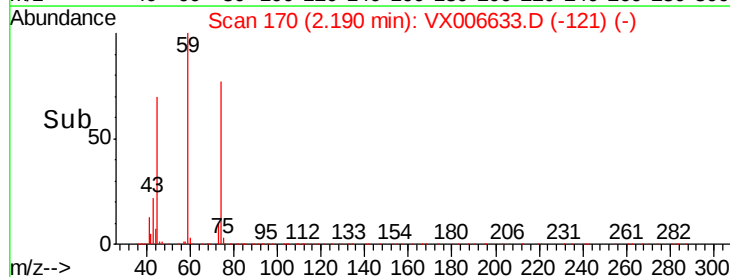
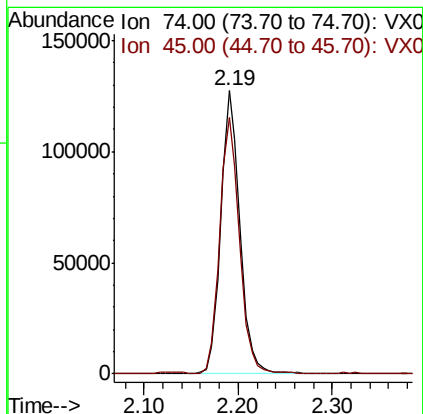
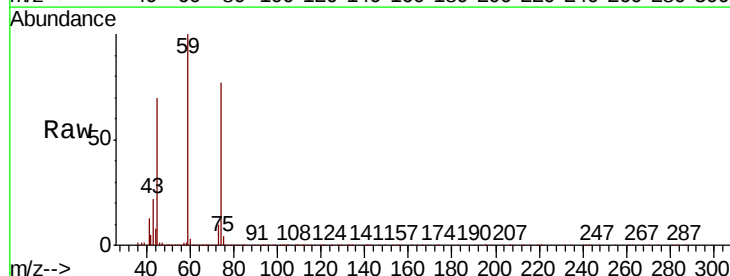
Tot Ion:101 Resp: 465051
Ion Ratio Lower Upper
101 100
103 63.4 53.2 79.8

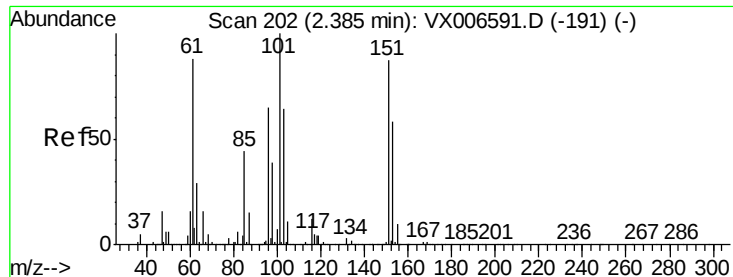


#8

Diethyl Ether
Concen: 47.986 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

Tgt Ion: 74 Resp: 178806
Ion Ratio Lower Upper
74 100
45 92.9 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.375 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

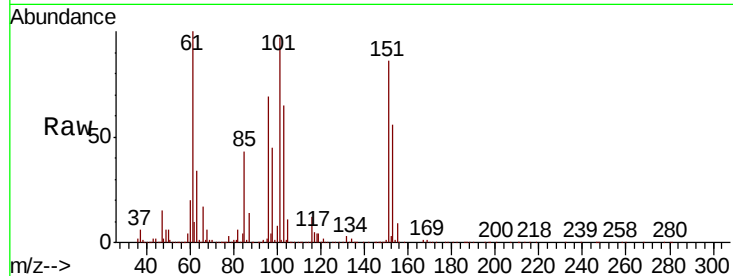
Tot Ion:101 Resp: 260957

Ion Ratio Lower Upper

101 100

85 43.8 35.1 52.7

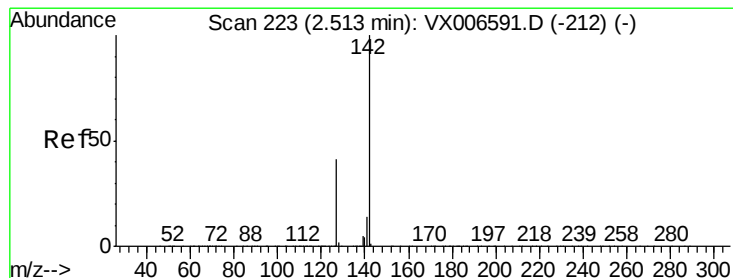
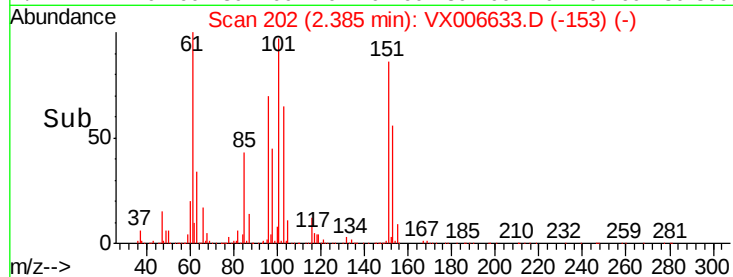
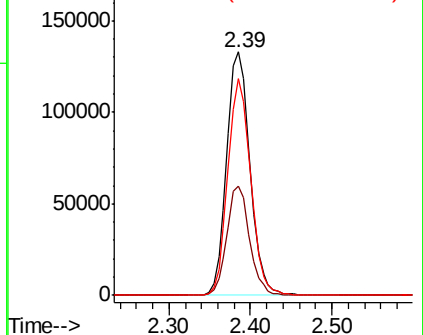
151 87.3 68.9 103.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.262 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

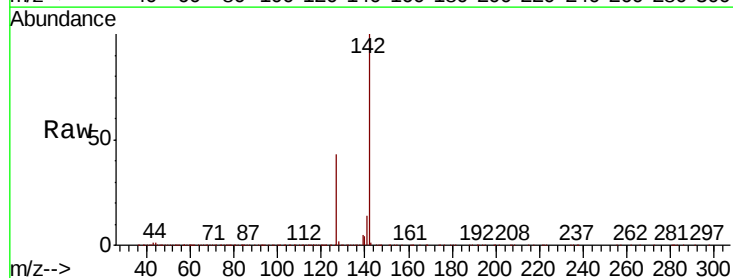
Tgt Ion:142 Resp: 427850

Ion Ratio Lower Upper

142 100

127 42.7 33.9 50.9

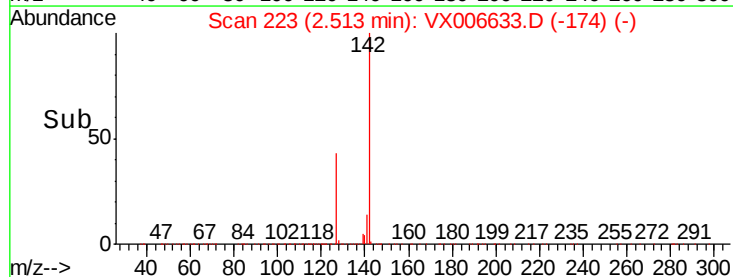
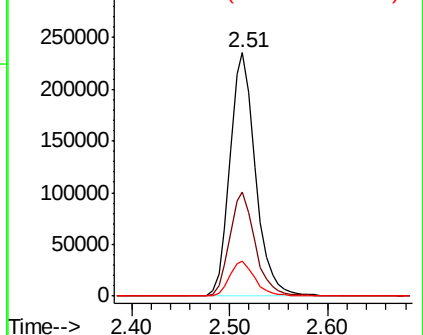
141 14.3 11.4 17.0

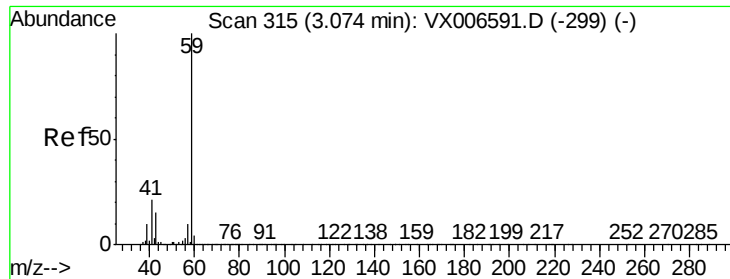


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

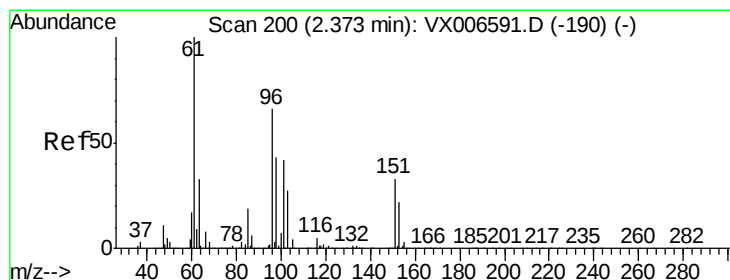
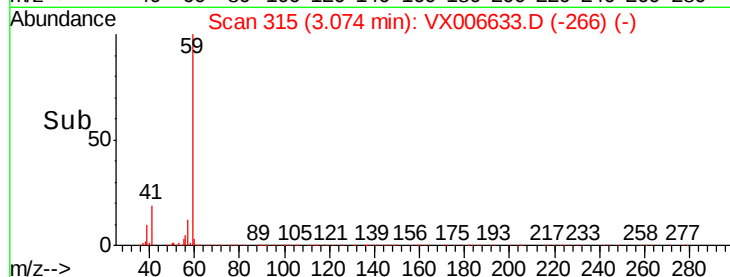
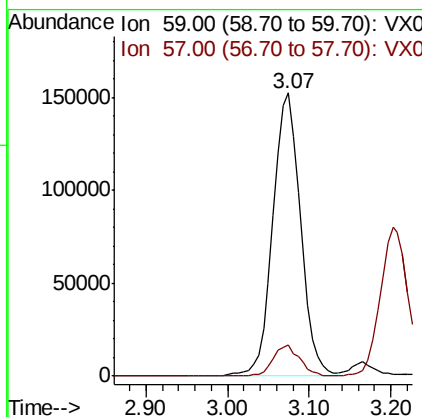
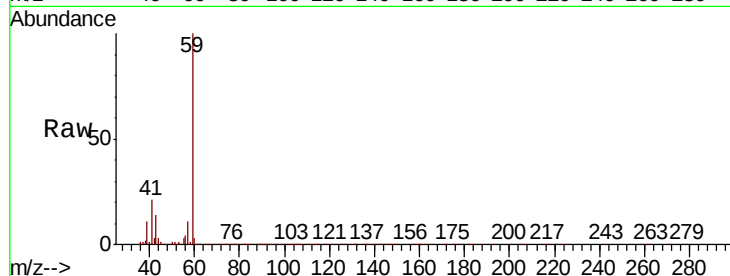




#11
Tert butyl alcohol
Concen: 254.727 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

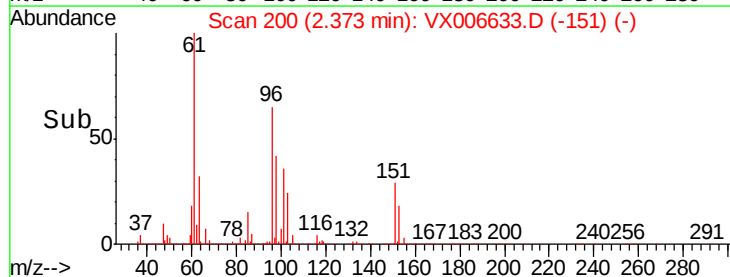
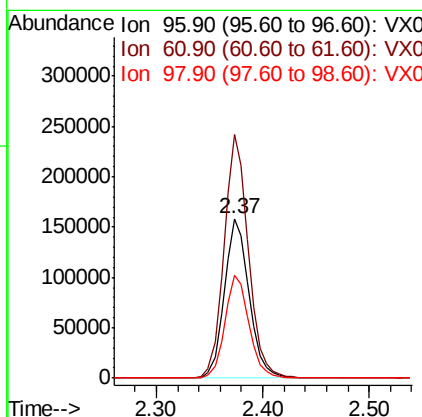
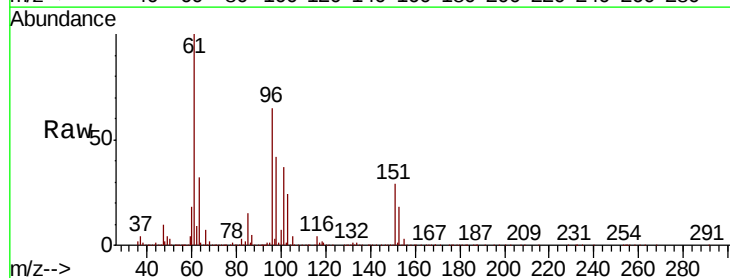
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

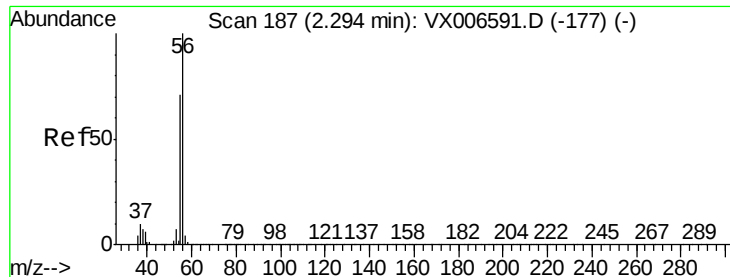
Tot Ion: 59 Resp: 358158
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7



#12
1,1-Dichloroethene
Concen: 49.065 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

Tgt Ion: 96 Resp: 256263
Ion Ratio Lower Upper
96 100
61 152.8 121.4 182.2
98 64.8 51.9 77.9





#13

Acrolein

Concen: 214.270 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

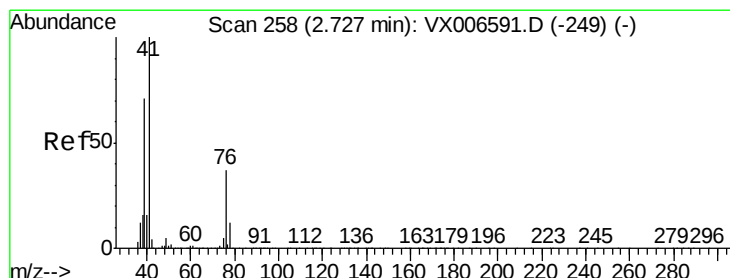
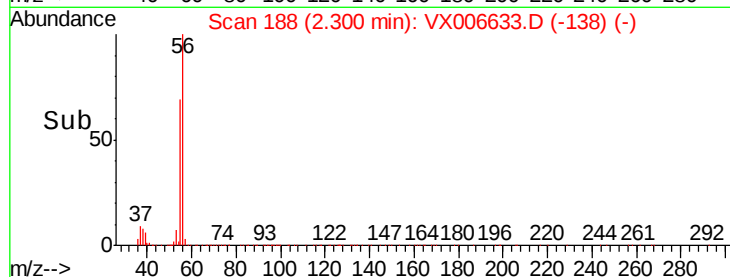
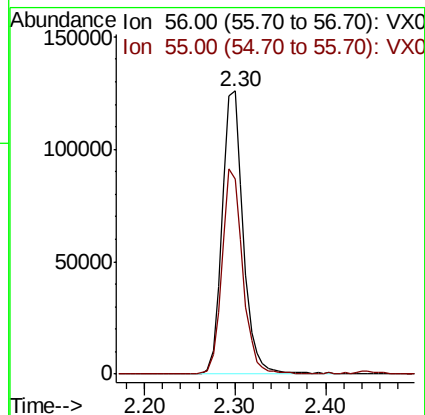
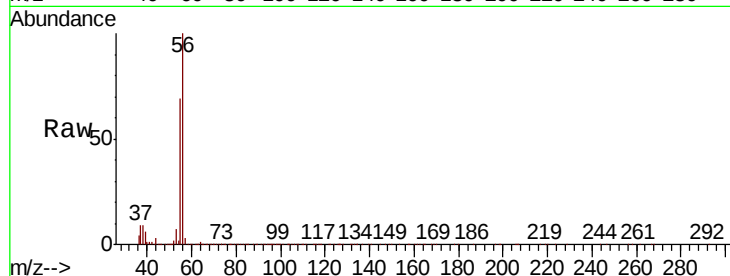
VSTDCCC050EC

Tot Ion: 56 Resp: 203241

Ion Ratio Lower Upper

56 100

55 70.8 58.2 87.4



#14

Allyl chloride

Concen: 48.383 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

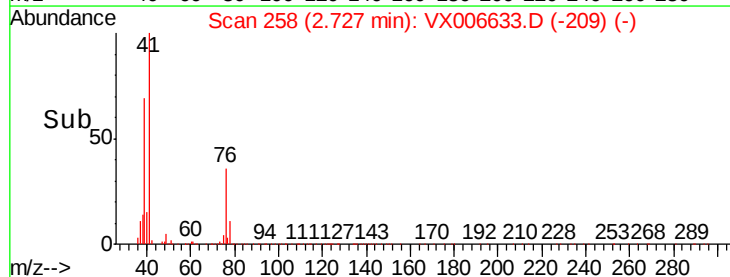
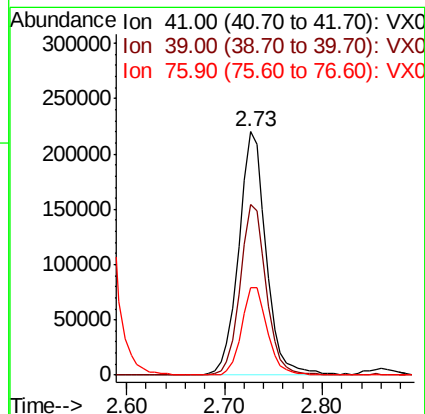
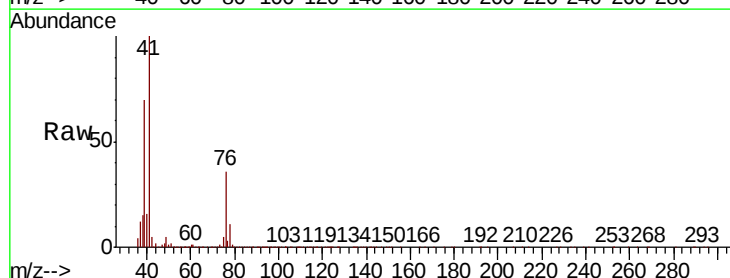
Tgt Ion: 41 Resp: 425364

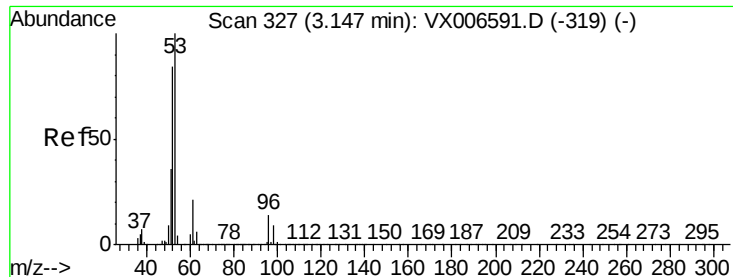
Ion Ratio Lower Upper

41 100

39 66.6 53.6 80.4

76 33.7 27.4 41.2

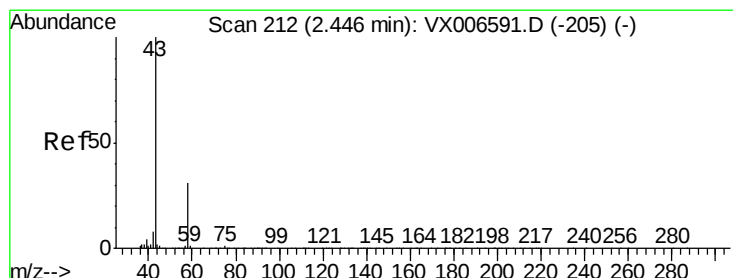
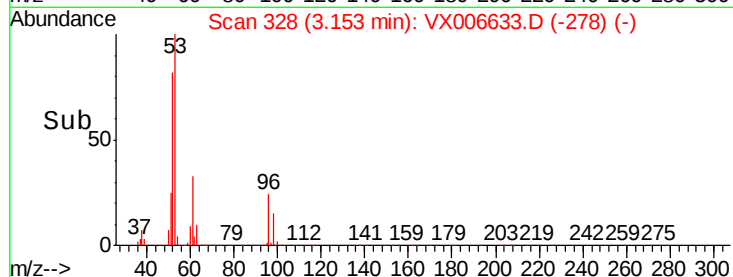
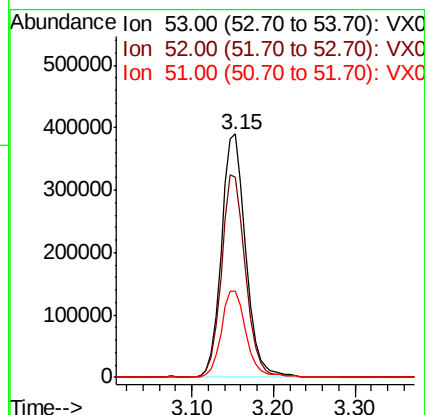
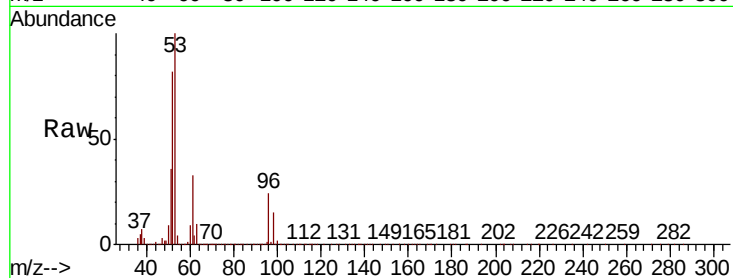




#15
 Acrylonitrile
 Concen: 256.812 ug/l
 RT: 3.15 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VX006633.D
 Acq: 19 Dec 2018 07:51

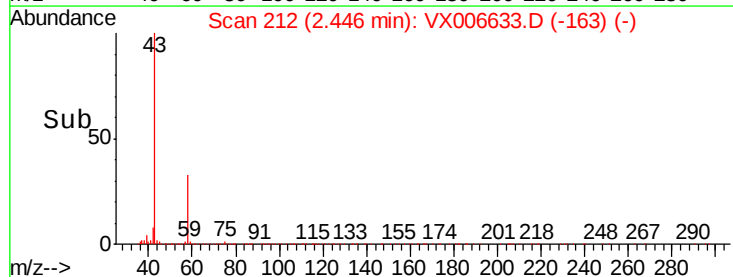
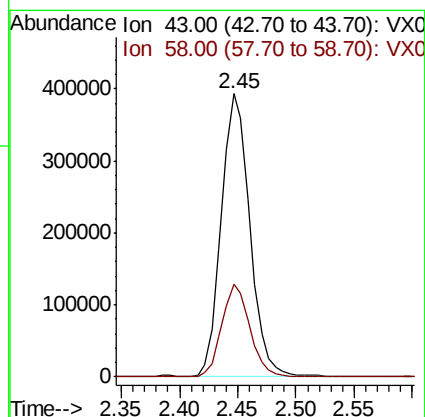
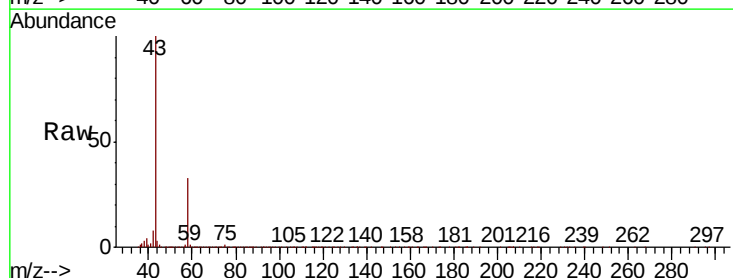
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

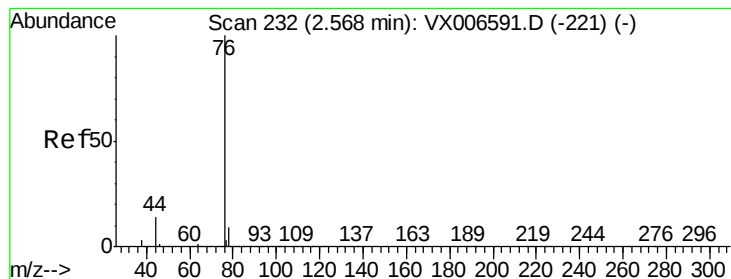
Tot Ion: 53 Resp: 801732
 Ion Ratio Lower Upper
 53 100
 52 82.4 66.0 99.0
 51 36.5 28.6 42.8



#16
 Acetone
 Concen: 229.407 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX006633.D
 Acq: 19 Dec 2018 07:51

Tgt Ion: 43 Resp: 664028
 Ion Ratio Lower Upper
 43 100
 58 32.7 25.0 37.6





#17

Carbon Disulfide

Concen: 46.939 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

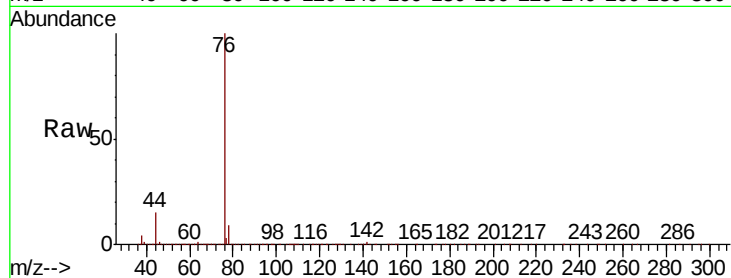
VSTDCCC050EC

Tot Ion: 76 Resp: 648791

Ion Ratio Lower Upper

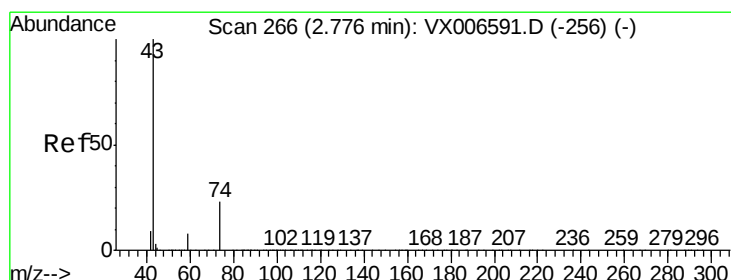
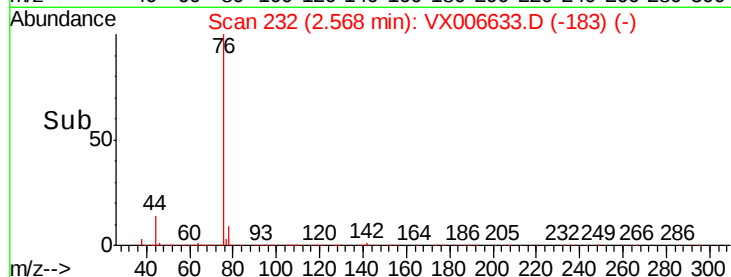
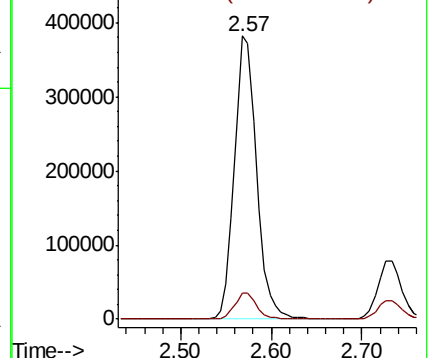
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.383 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006633.D

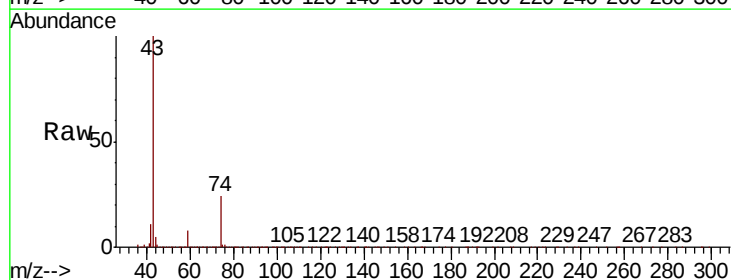
Acq: 19 Dec 2018 07:51

Tgt Ion: 43 Resp: 437338

Ion Ratio Lower Upper

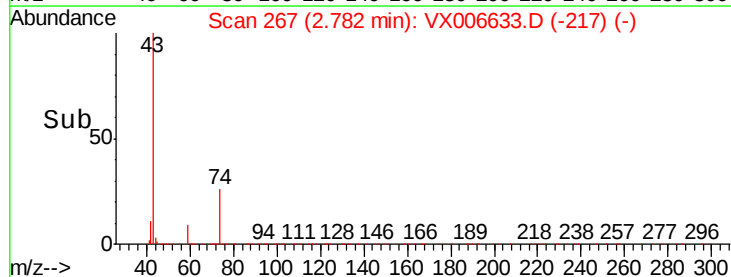
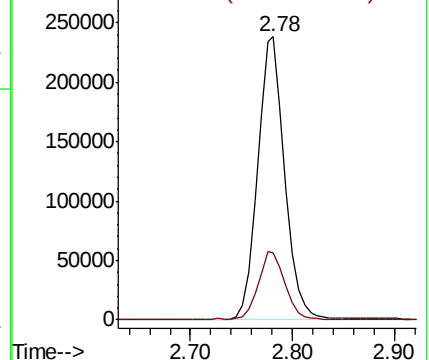
43 100

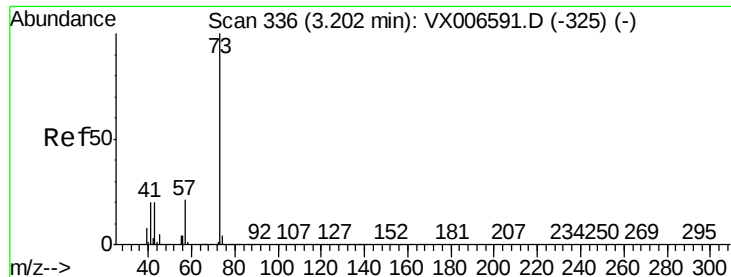
74 23.6 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

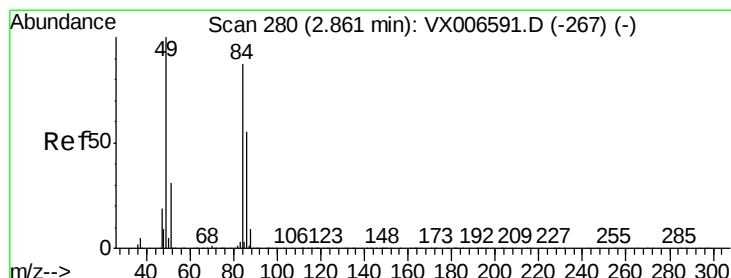
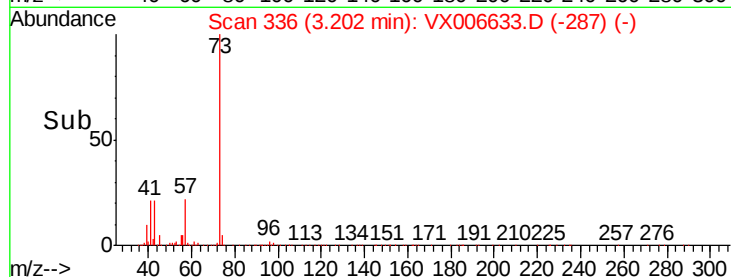
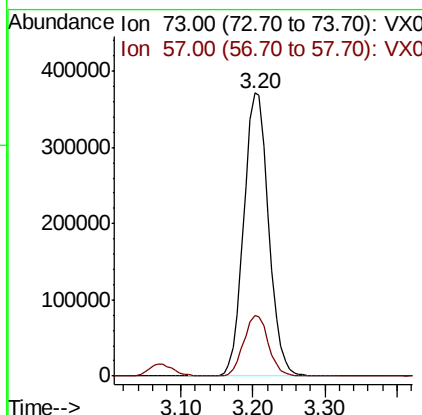
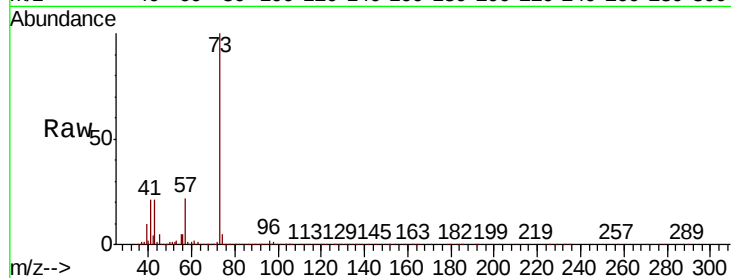




#19
Methyl tert-butyl Ether
Concen: 51.264 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

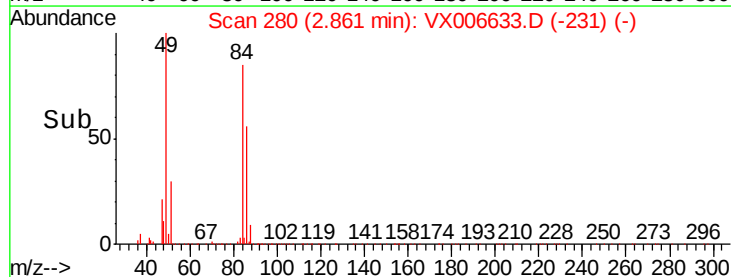
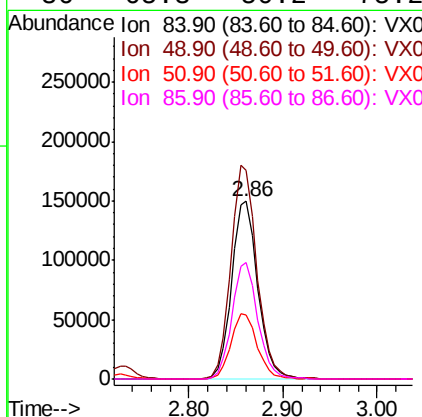
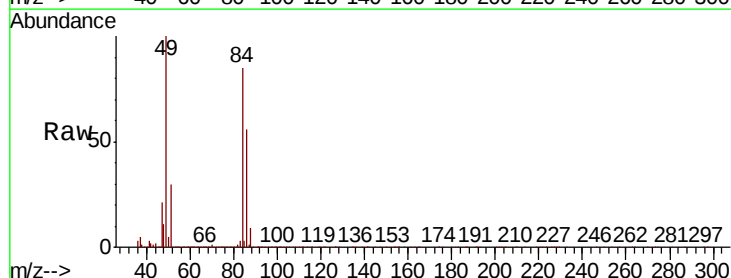
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

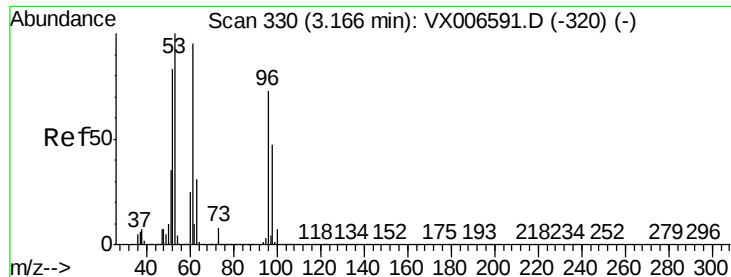
Tot Ion: 73 Resp: 888664
Ion Ratio Lower Upper
73 100
57 21.6 16.8 25.2



#20
Methylene Chloride
Concen: 48.391 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

Tgt Ion: 84 Resp: 289638
Ion Ratio Lower Upper
84 100
49 116.9 91.8 137.6
51 35.6 28.5 42.7
86 65.3 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 47.451 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

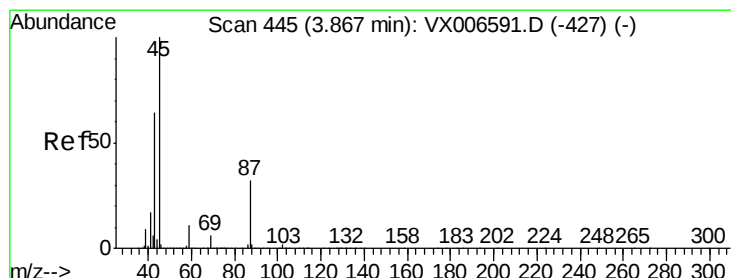
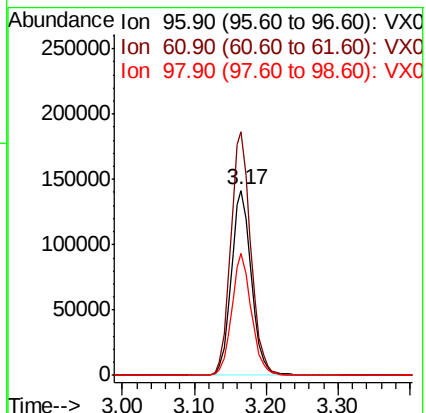
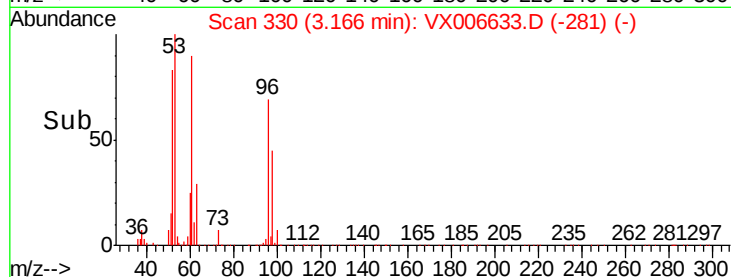
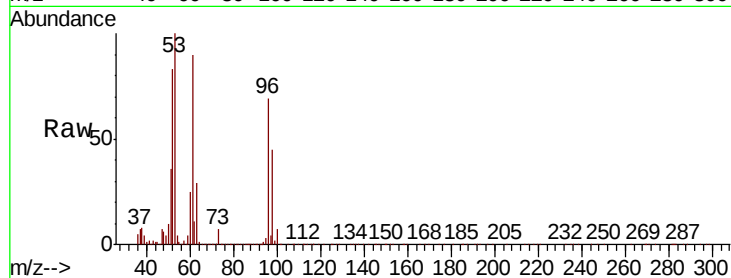
Tot Ion: 96 Resp: 274605

Ion Ratio Lower Upper

96 100

61 131.7 103.7 155.5

98 65.9 51.0 76.6



#22

Diisopropyl ether

Concen: 50.960 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Tgt Ion: 45 Resp: 819618

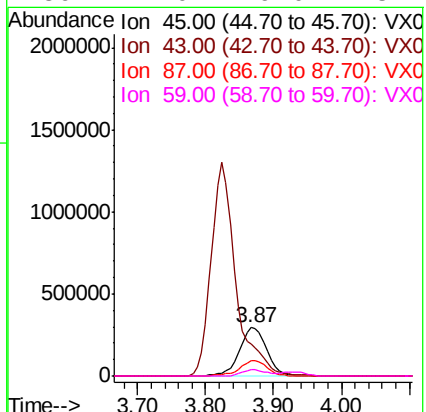
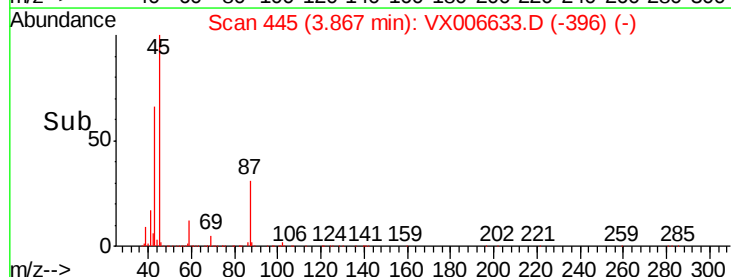
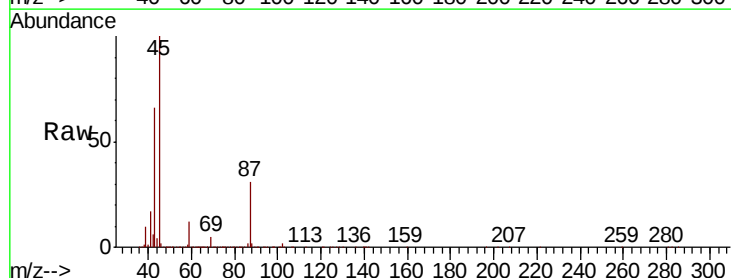
Ion Ratio Lower Upper

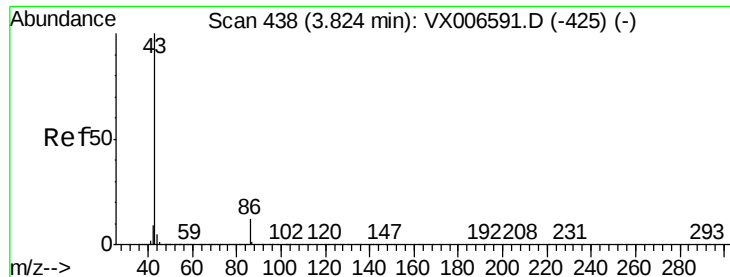
45 100

43 65.7 51.2 76.8

87 31.3 25.8 38.6

59 12.0 9.0 13.4

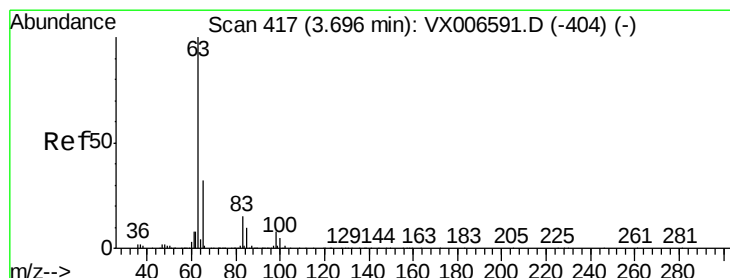
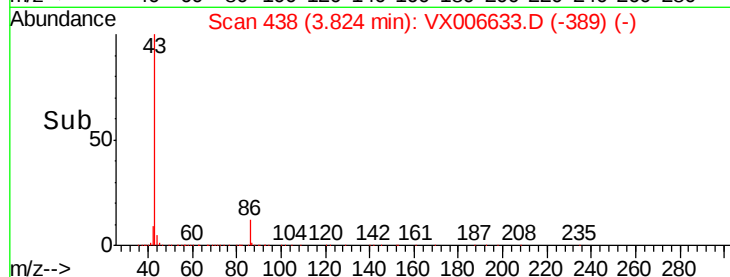
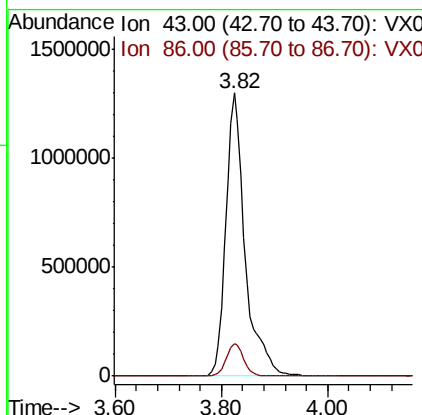
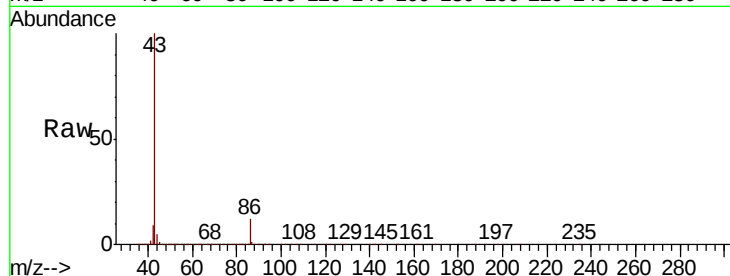




#23
 Vinyl Acetate
 Concen: 250.245 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VX006633.D
 Acq: 19 Dec 2018 07:51

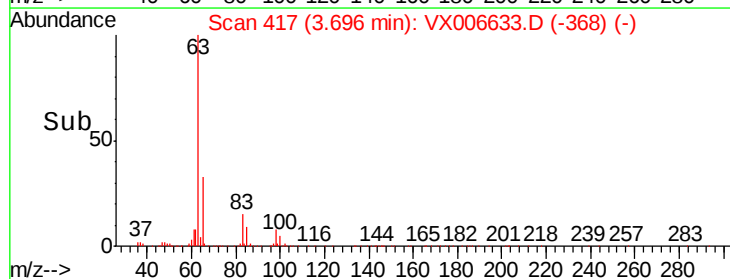
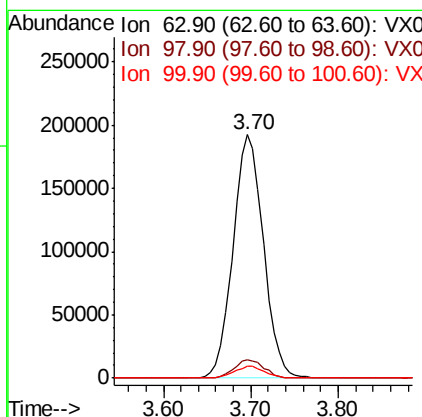
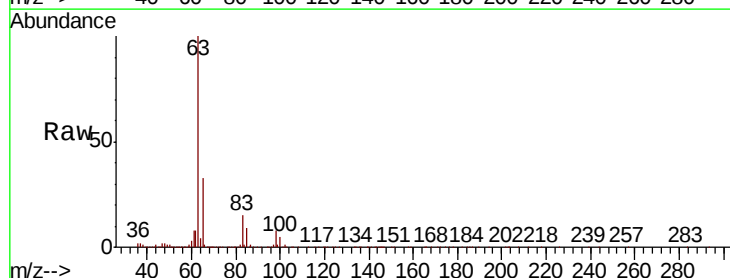
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

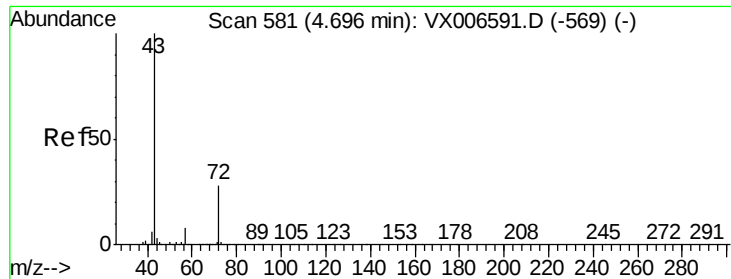
Tot Ion: 43 Resp: 3292188
 Ion Ratio Lower Upper
 43 100
 86 11.5 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 48.195 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX006633.D
 Acq: 19 Dec 2018 07:51

Tgt Ion: 63 Resp: 462727
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.9 11.5
 100 4.7 2.4 7.2





#25

2-Butanone

Concen: 246.033 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

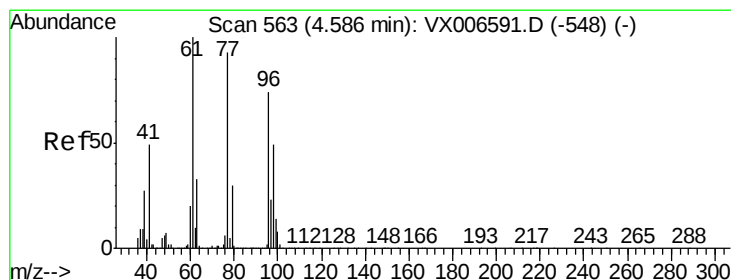
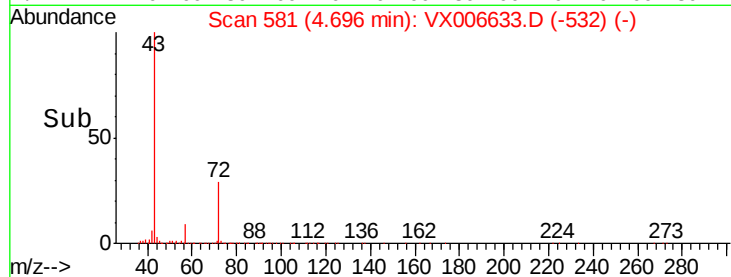
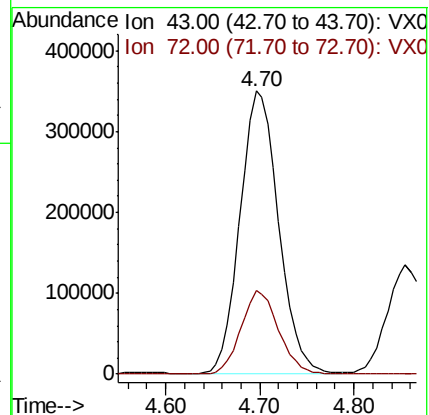
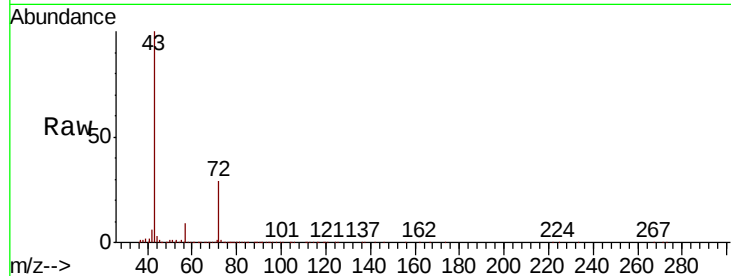
VSTDCCC050EC

Tot Ion: 43 Resp: 1001730

Ion Ratio Lower Upper

43 100

72 29.3 22.4 33.6



#26

2,2-Dichloropropane

Concen: 32.973 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006633.D

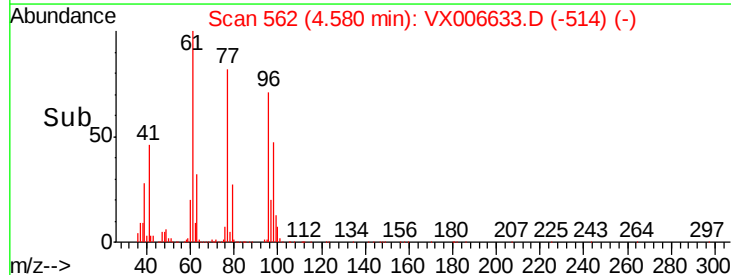
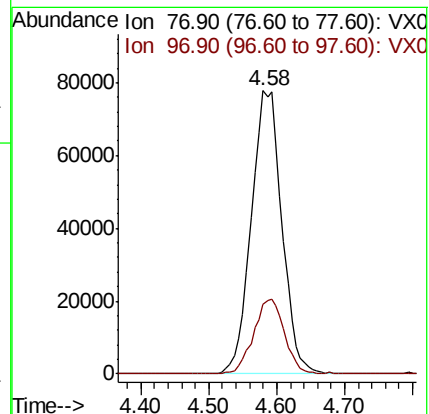
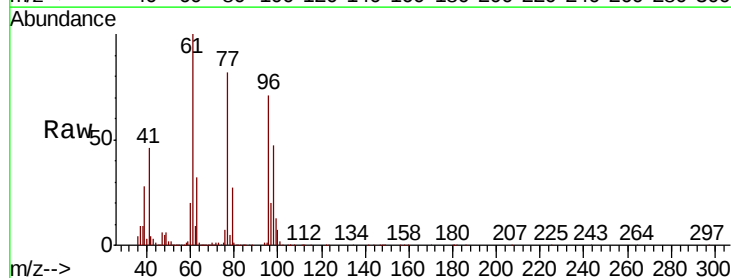
Acq: 19 Dec 2018 07:51

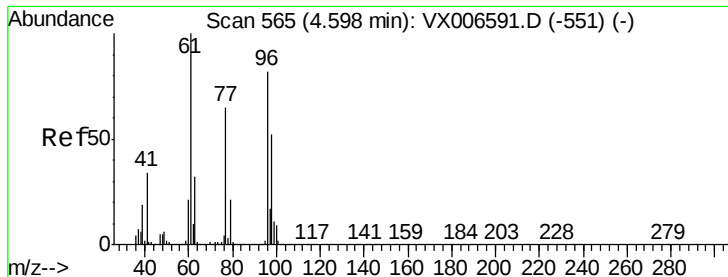
Tgt Ion: 77 Resp: 244542

Ion Ratio Lower Upper

77 100

97 26.6 12.4 37.4



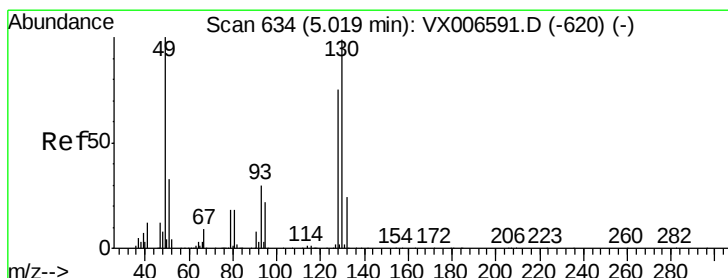
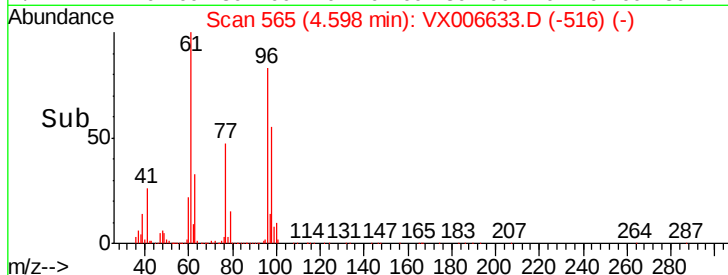
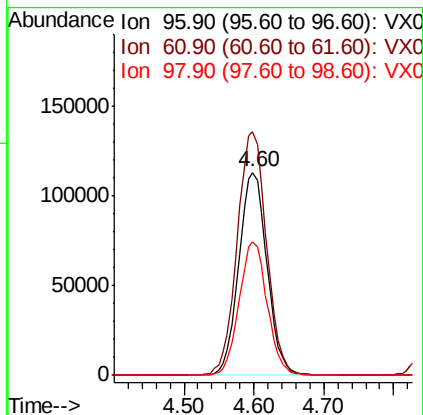
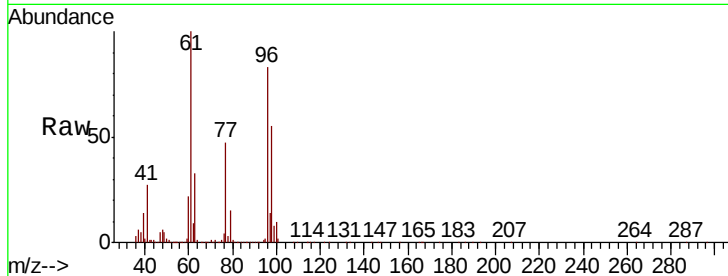


#27

cis-1,2-Dichloroethene
 Concen: 49.877 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX006633.D
 Acq: 19 Dec 2018 07:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

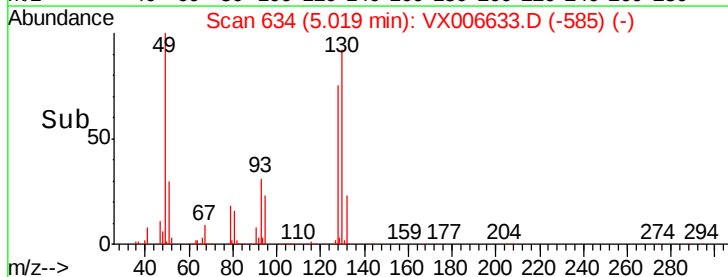
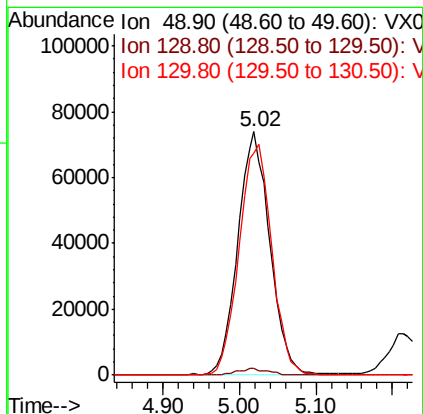
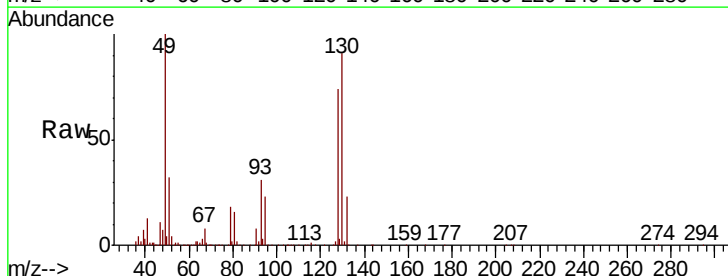
Tot Ion	Ratio	Lower	Upper
96	100		
61	124.4	0.0	258.6
98	65.6	0.0	132.0

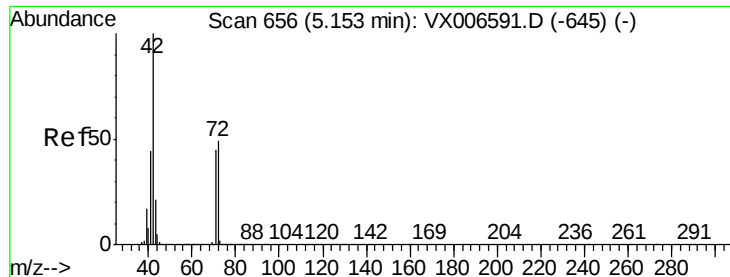


#28

Bromochloromethane
 Concen: 53.041 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX006633.D
 Acq: 19 Dec 2018 07:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.4
130	97.1	77.7	116.5





#29

Tetrahydrofuran

Concen: 254.385 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

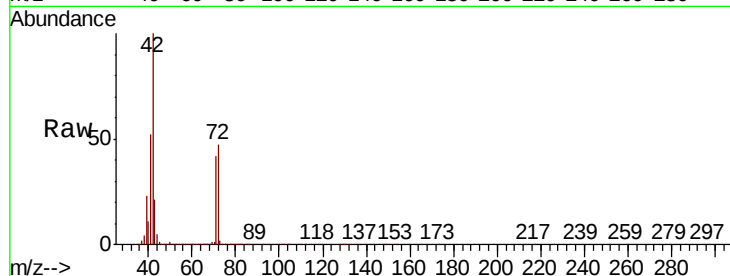
Tot Ion: 42 Resp: 682169

Ion Ratio Lower Upper

42 100

72 48.5 38.9 58.3

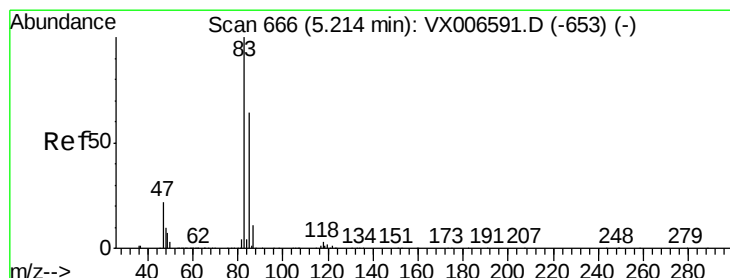
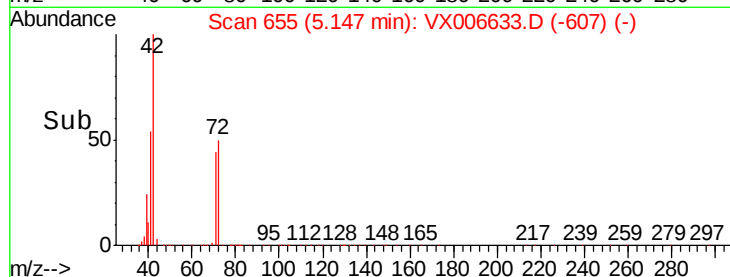
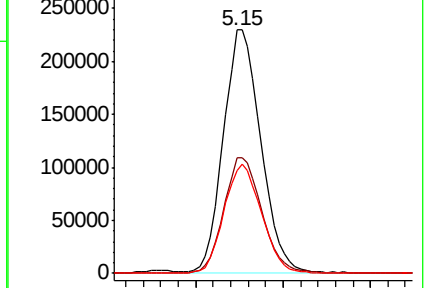
71 45.2 36.2 54.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.446 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX006633.D

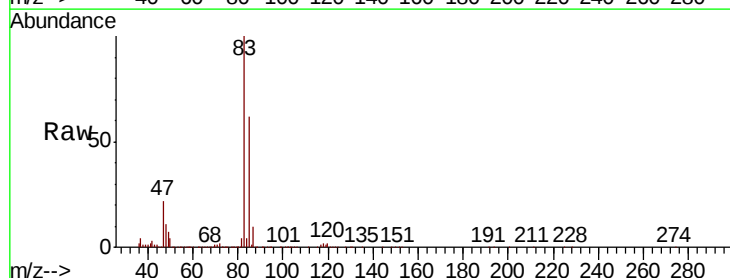
Acq: 19 Dec 2018 07:51

Tgt Ion: 83 Resp: 501562

Ion Ratio Lower Upper

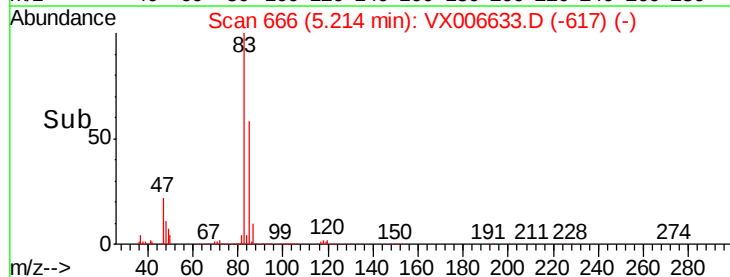
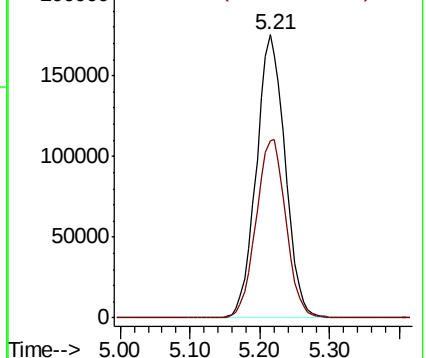
83 100

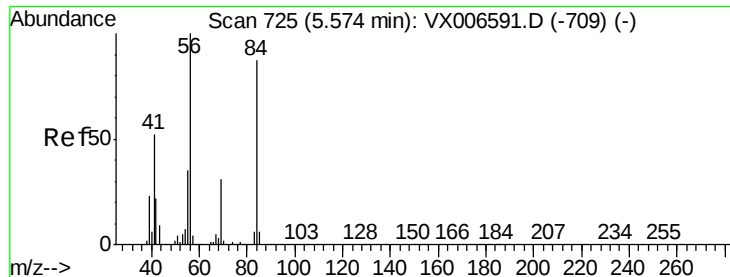
85 62.3 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 48.158 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

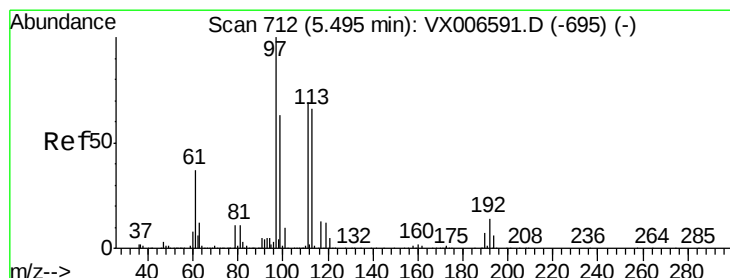
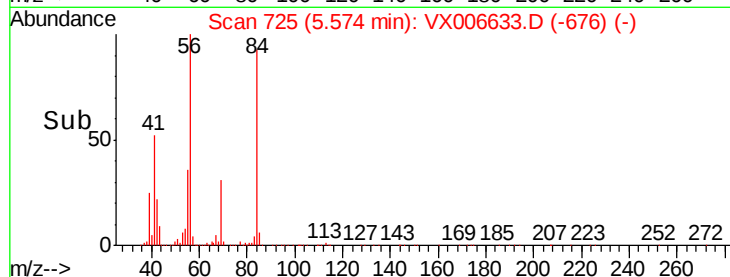
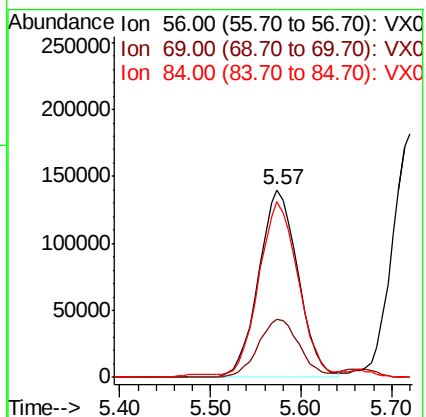
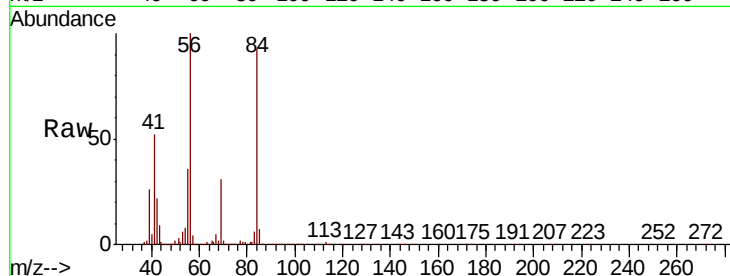
Tot Ion: 56 Resp: 420054

Ion Ratio Lower Upper

56 100

69 31.2 24.4 36.6

84 92.2 70.0 105.0



#32

1,1,1-Trichloroethane

Concen: 51.360 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

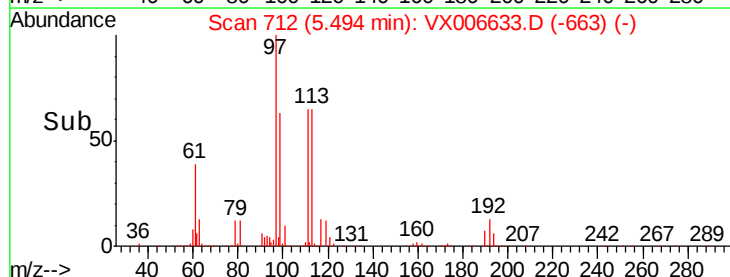
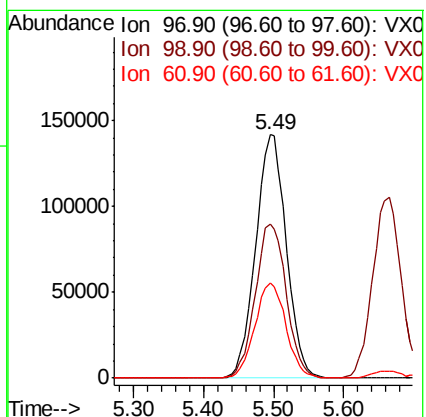
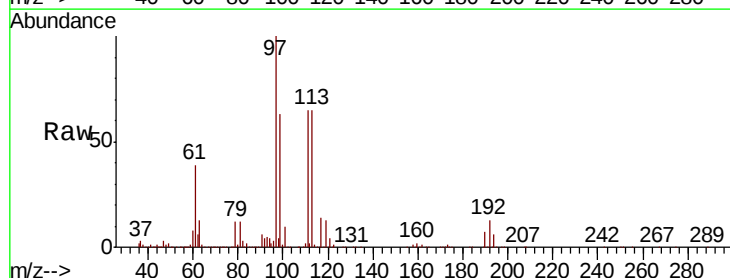
Tgt Ion: 97 Resp: 431180

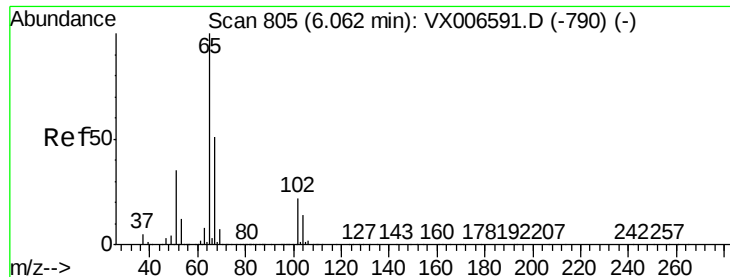
Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

61 40.0 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 50.023 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

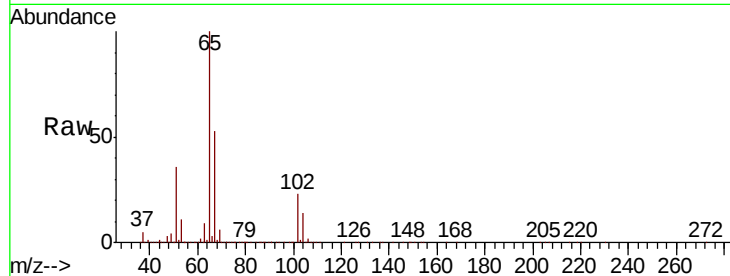
VSTDCCC050EC

Tot Ion: 65 Resp: 315155

Ion Ratio Lower Upper

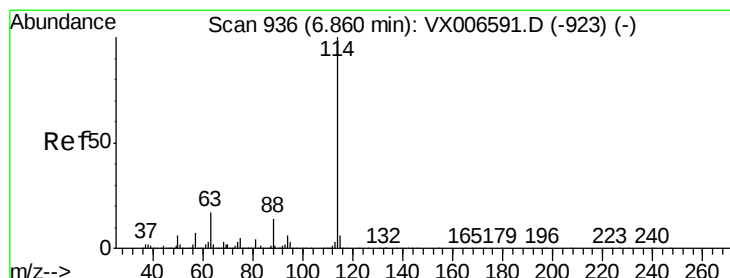
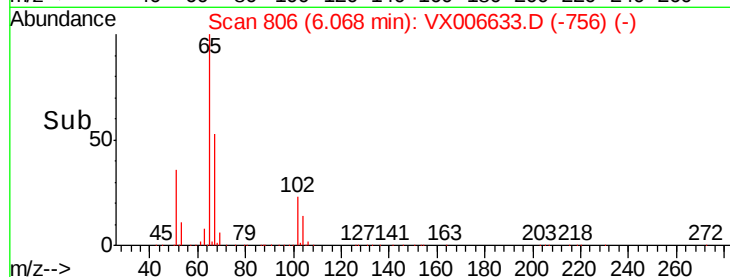
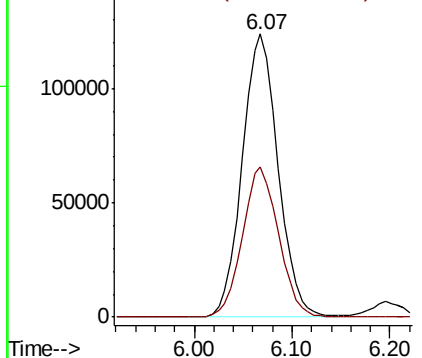
65 100

67 53.1 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: VX006633.D

Acq: 19 Dec 2018 07:51

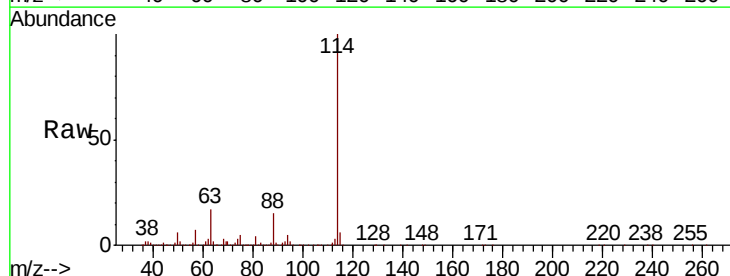
Tgt Ion: 114 Resp: 927493

Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.8

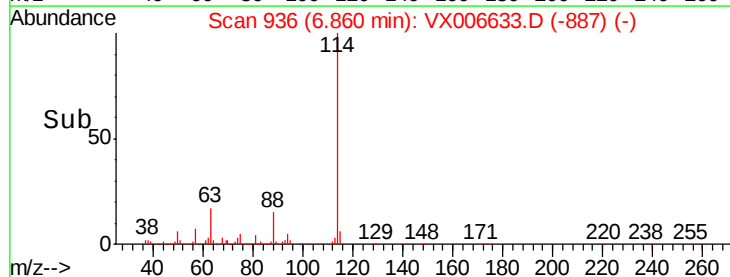
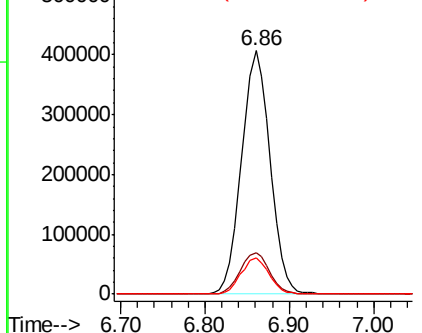
88 15.0 0.0 28.8

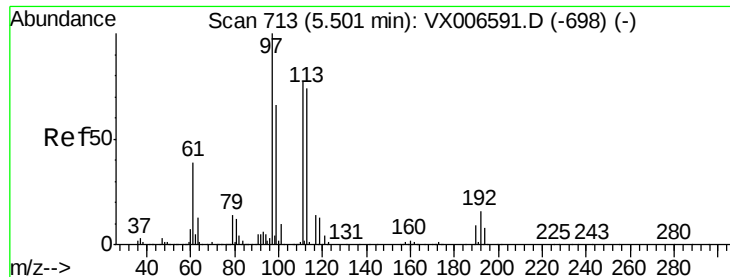


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.987 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

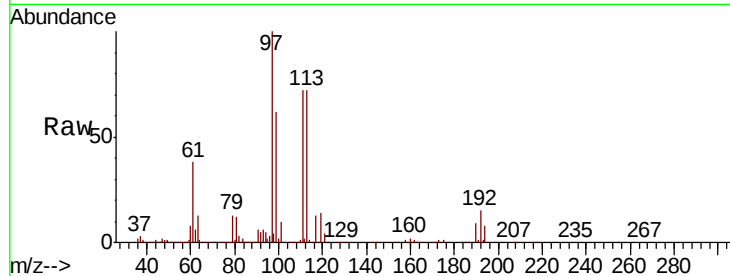
Tot Ion:113 Resp: 287324

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

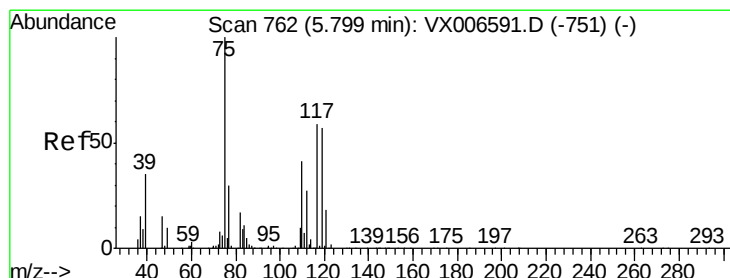
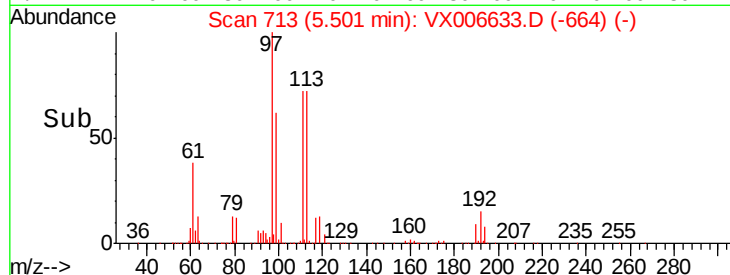
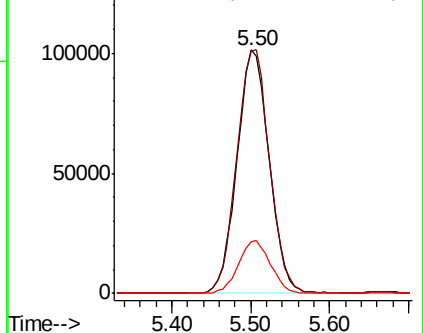
192 21.6 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.295 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

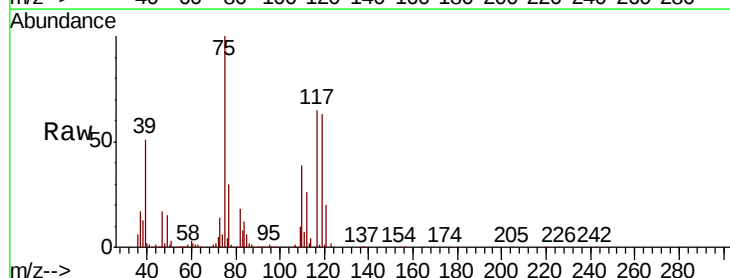
Tgt Ion: 75 Resp: 370995

Ion Ratio Lower Upper

75 100

110 39.3 20.2 60.5

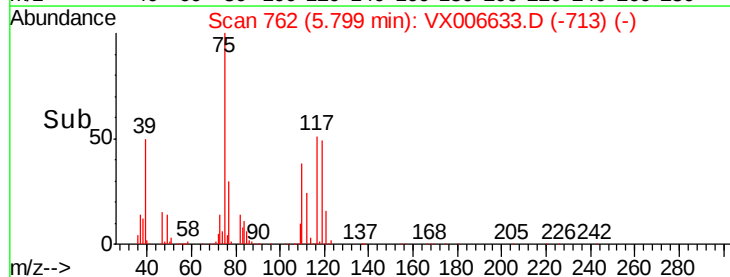
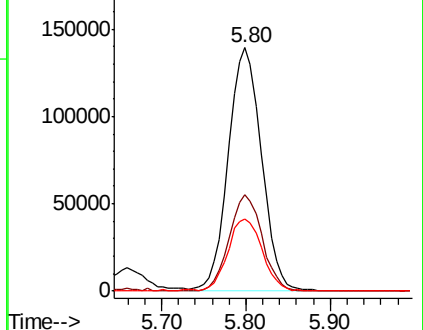
77 30.6 24.8 37.2

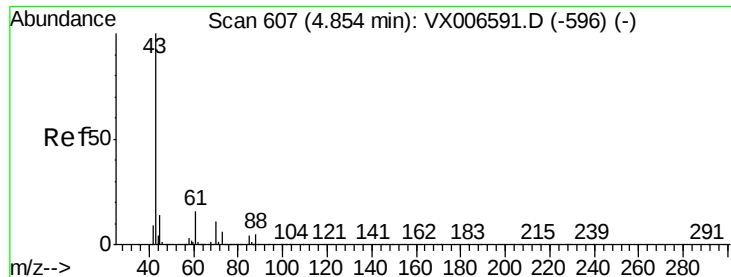


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

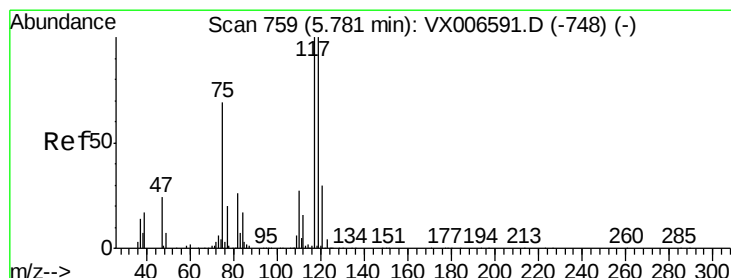
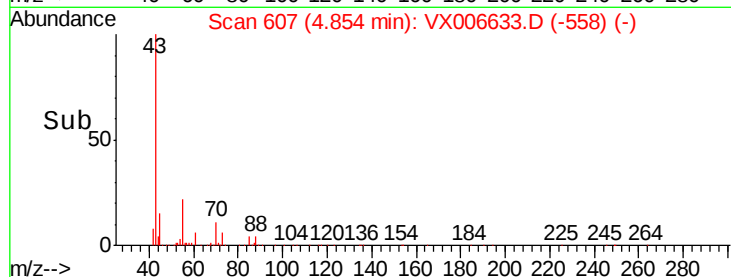
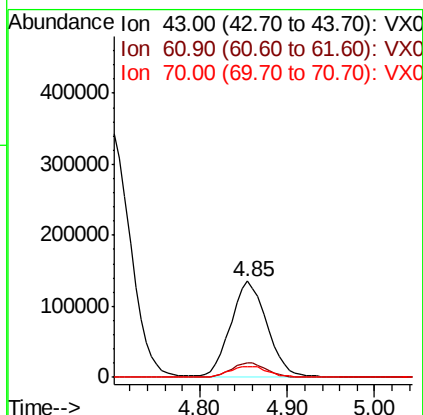
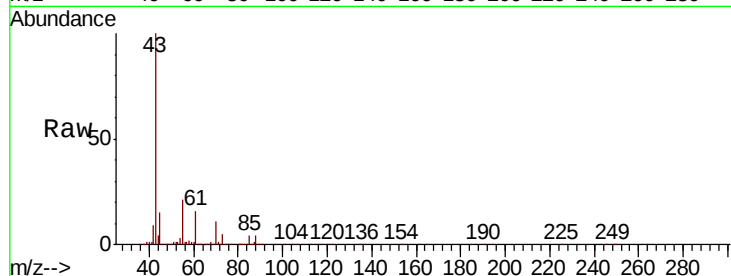




#37
Ethyl Acetate
Concen: 48.729 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

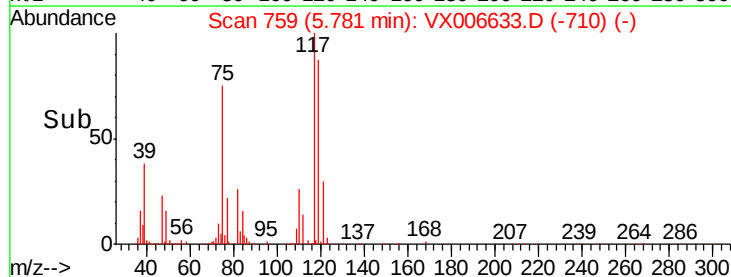
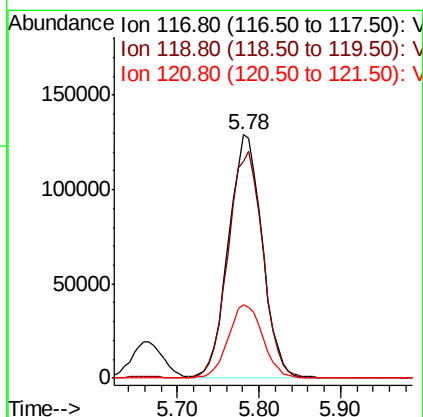
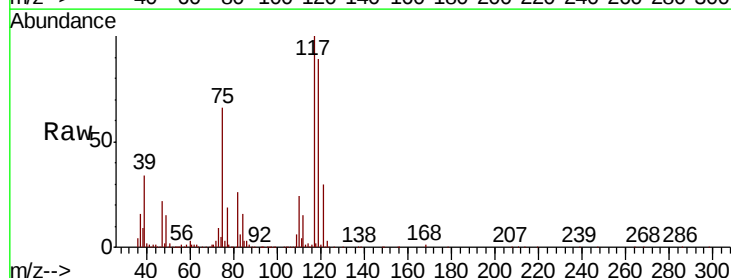
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

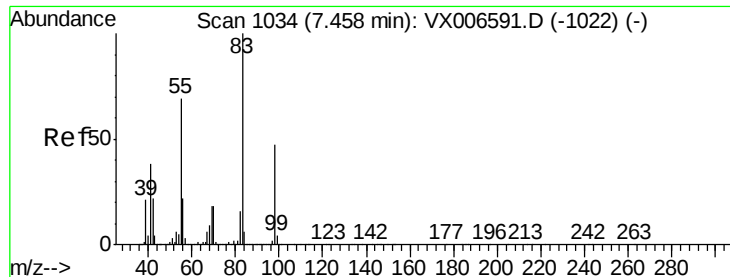
Tot Ion: 43 Resp: 389606
Ion Ratio Lower Upper
43 100
61 14.8 11.9 17.9
70 12.2 9.7 14.5



#38
Carbon Tetrachloride
Concen: 49.274 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

Tgt Ion: 117 Resp: 367851
Ion Ratio Lower Upper
117 100
119 89.1 79.4 119.2
121 29.9 24.0 36.0

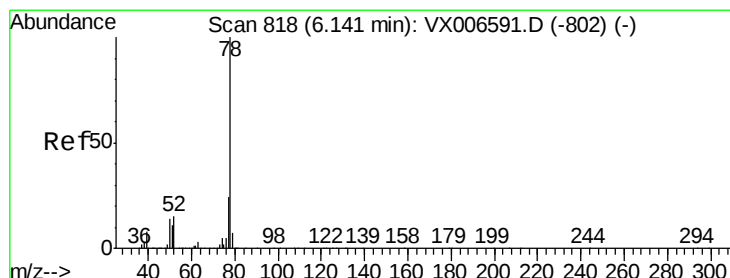
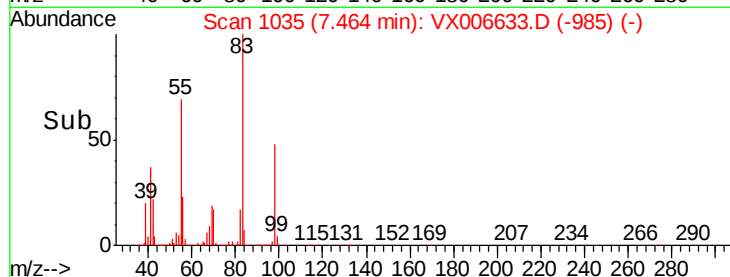
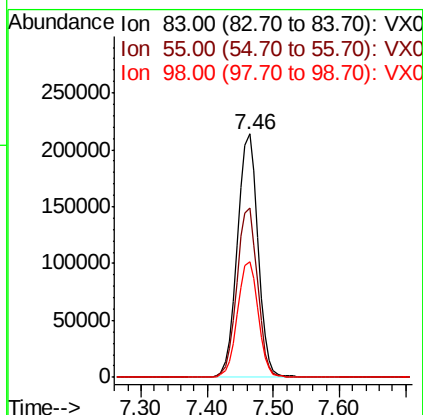
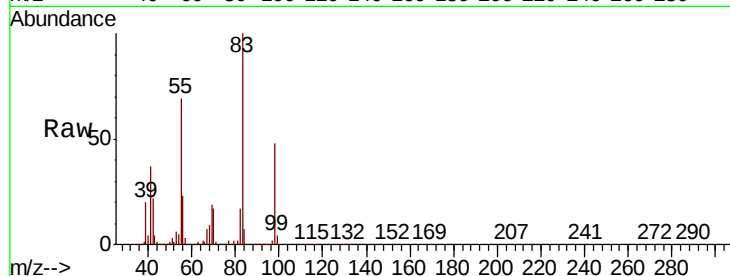




#39
Methvlcvclohexane
Concen: 45.742 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

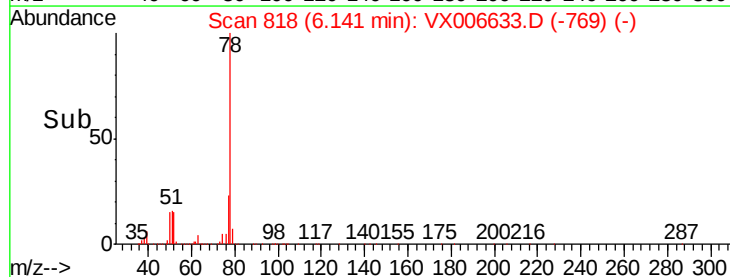
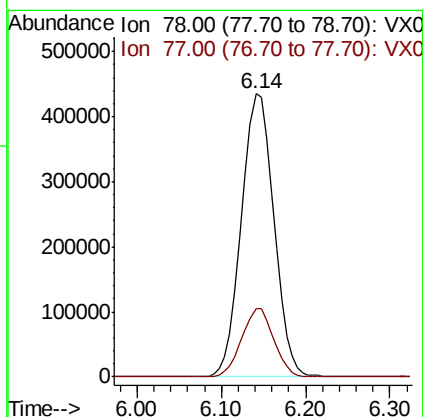
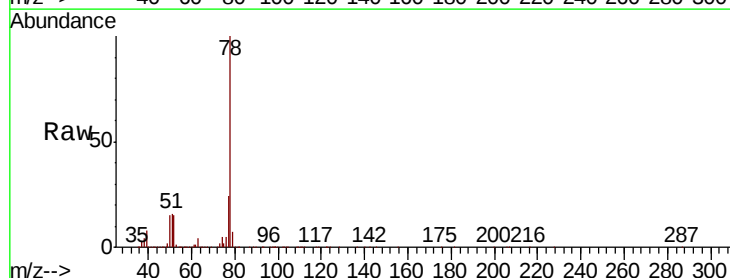
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

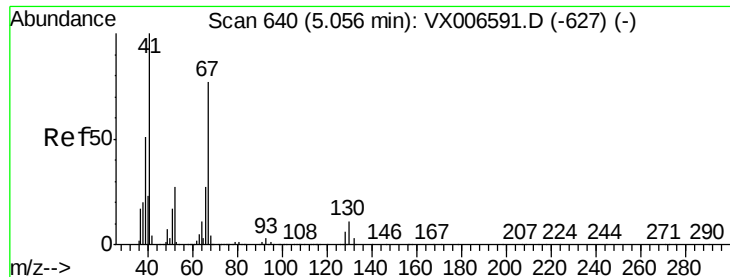
Tot Ion: 83 Resp: 462605
Ion Ratio Lower Upper
83 100
55 69.3 54.9 82.3
98 47.7 37.9 56.9



#40
Benzene
Concen: 48.700 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

Tgt Ion: 78 Resp: 1137140
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8

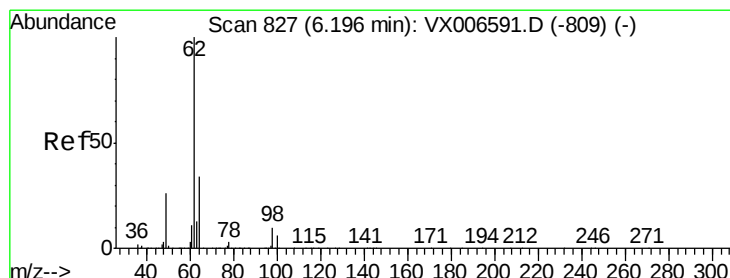
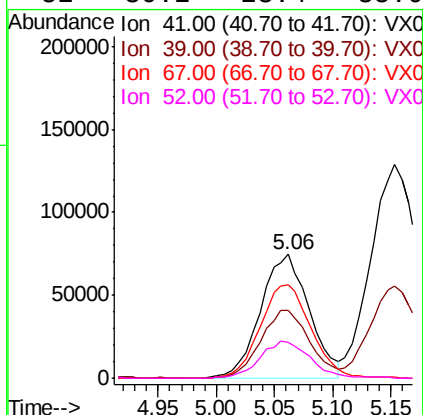
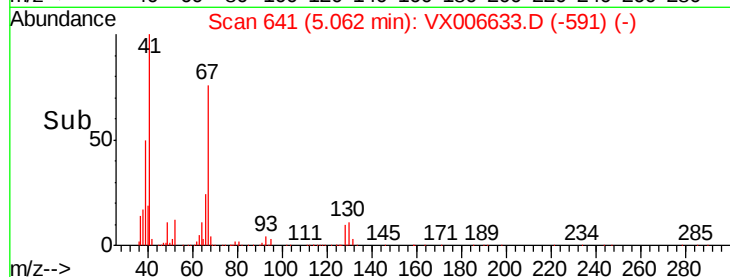
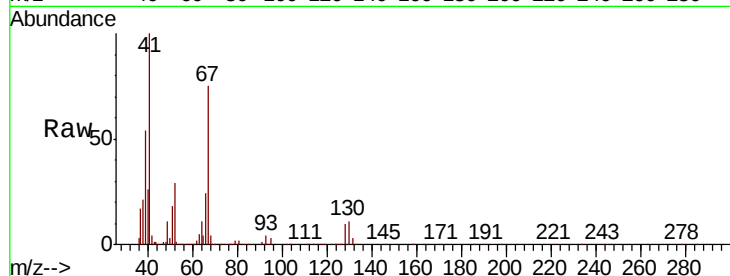




#41
Methacrylonitrile
Concen: 50.954 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

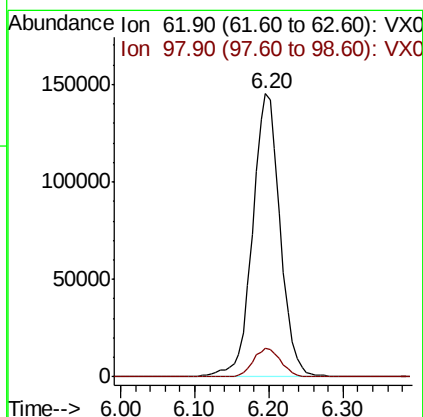
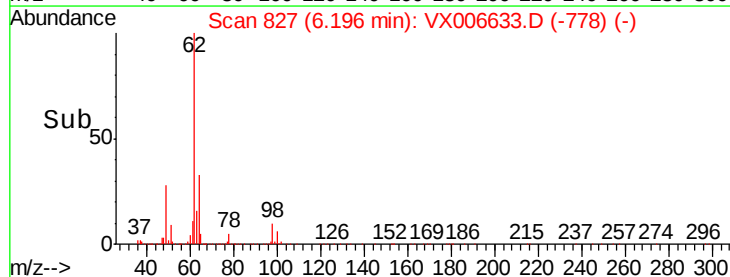
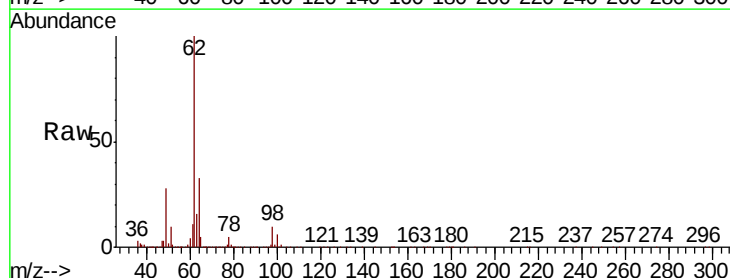
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

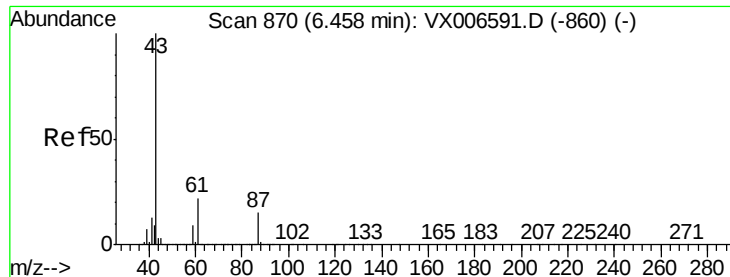
Tot Ion:	41	Resp:	216293
Ion	Ratio	Lower	Upper
41	100		
39	54.9	42.8	64.2
67	79.4	62.1	93.1
52	30.2	23.4	35.0



#42
1,2-Dichloroethane
Concen: 47.418 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

Tgt Ion:	62	Resp:	377290
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 51.180 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

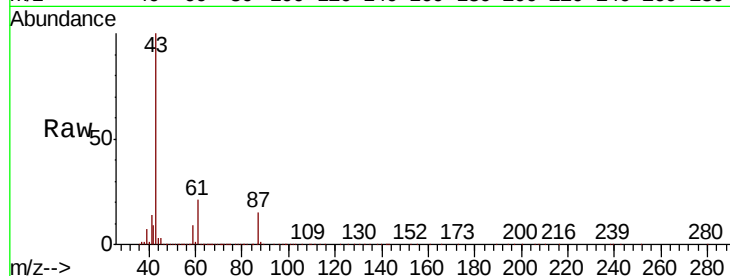
Tot Ion: 43 Resp: 622620

Ion Ratio Lower Upper

43 100

61 20.9 16.8 25.2

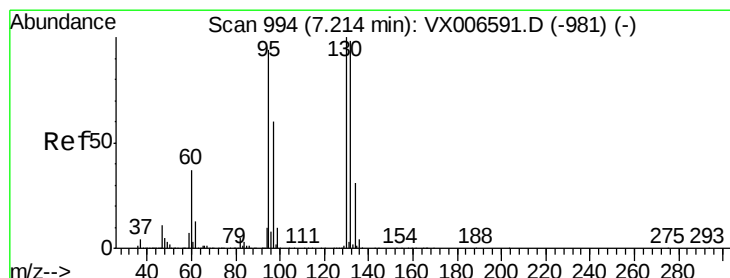
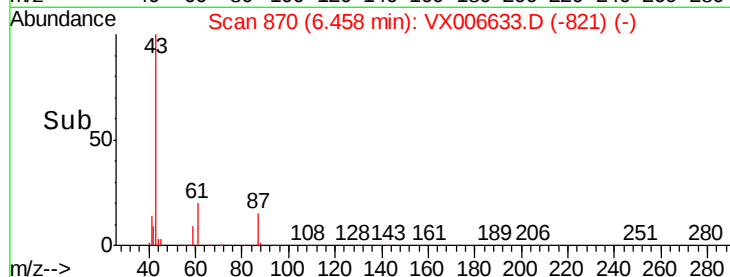
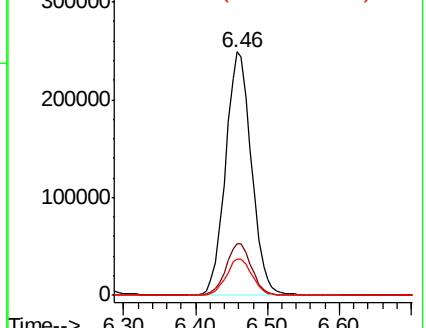
87 14.9 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 47.149 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006633.D

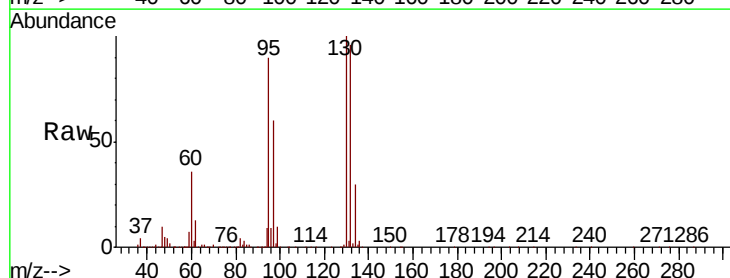
Acq: 19 Dec 2018 07:51

Tgt Ion:130 Resp: 333215

Ion Ratio Lower Upper

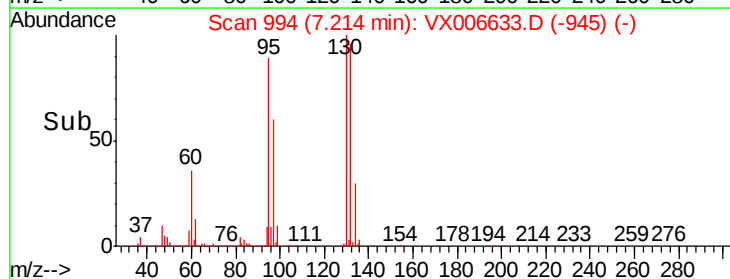
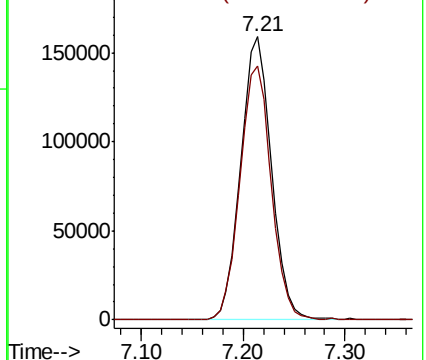
130 100

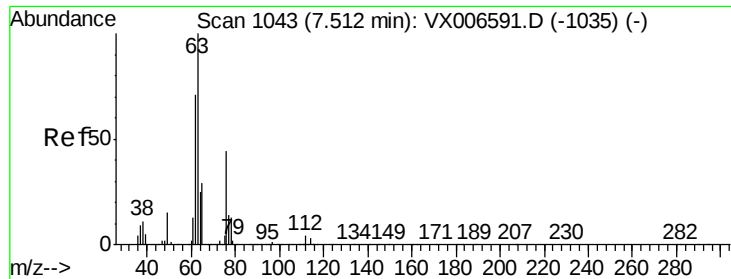
95 89.5 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.860 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

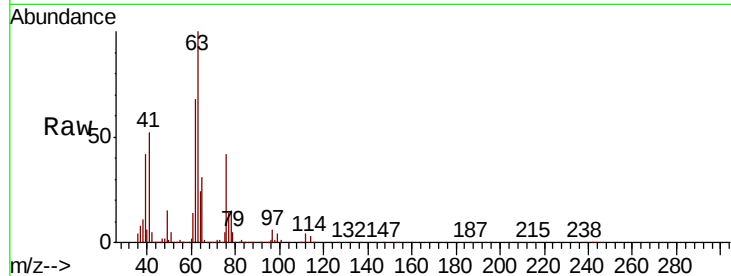
VSTDCCC050EC

Tot Ion: 63 Resp: 283314

Ion Ratio Lower Upper

63 100

65 31.1 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

150000

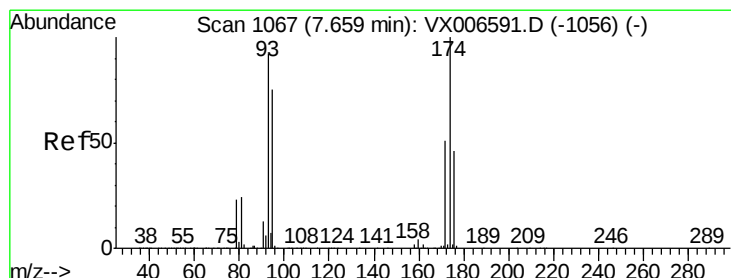
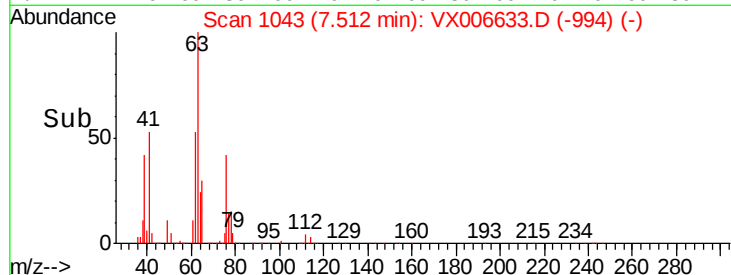
100000

50000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 48.385 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

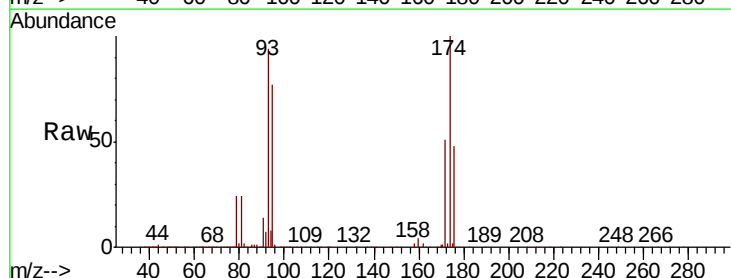
Tgt Ion: 93 Resp: 202227

Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.4

174 114.5 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

150000

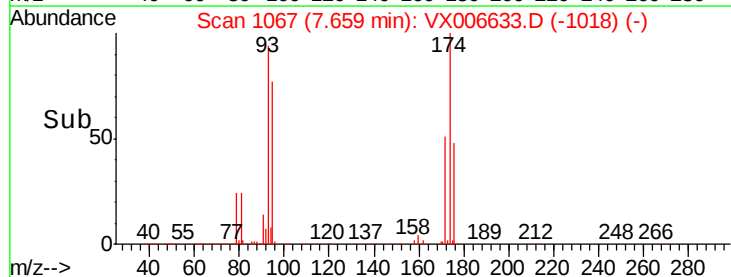
100000

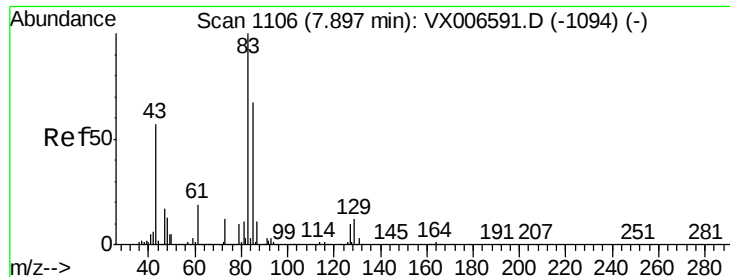
50000

0

Time-->

7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 49.978 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

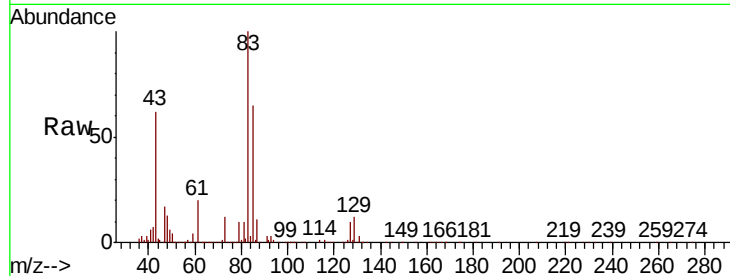
Tot Ion: 83 Resp: 346799

Ion Ratio Lower Upper

83 100

85 65.2 53.2 79.8

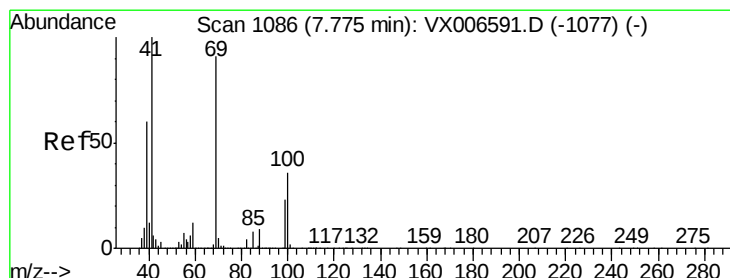
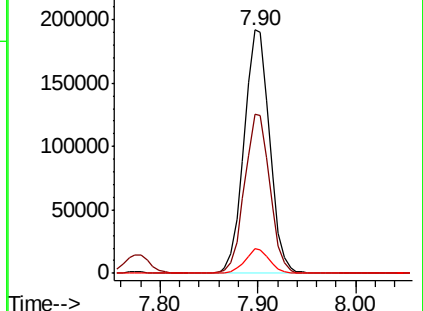
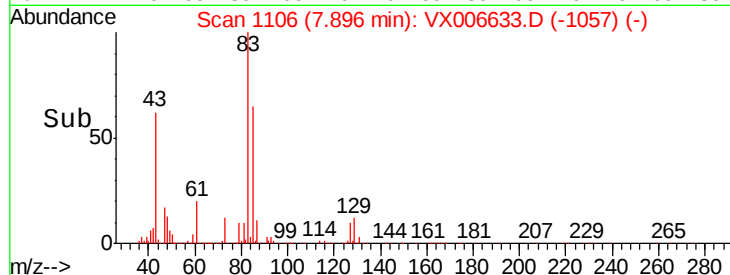
127 10.4 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.199 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

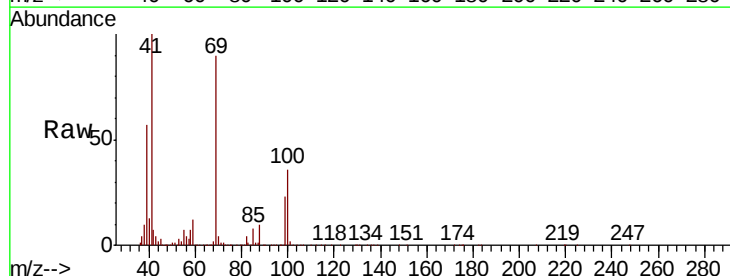
Tgt Ion: 41 Resp: 316736

Ion Ratio Lower Upper

41 100

69 91.6 72.4 108.6

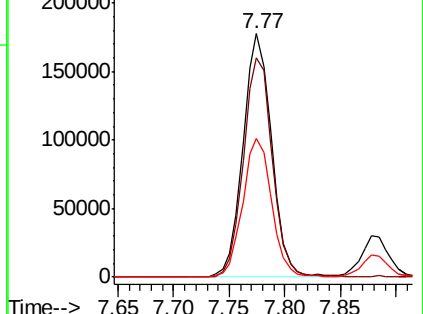
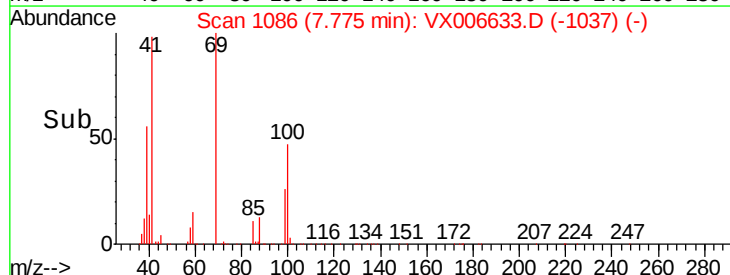
39 57.6 45.8 68.8

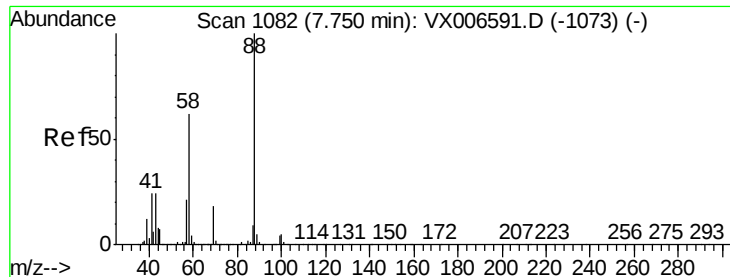


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1020.022 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

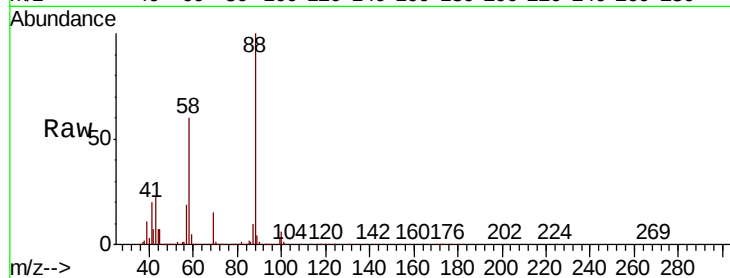
Tot Ion: 88 Resp: 165040

Ion Ratio Lower Upper

88 100

43 26.9 22.2 33.4

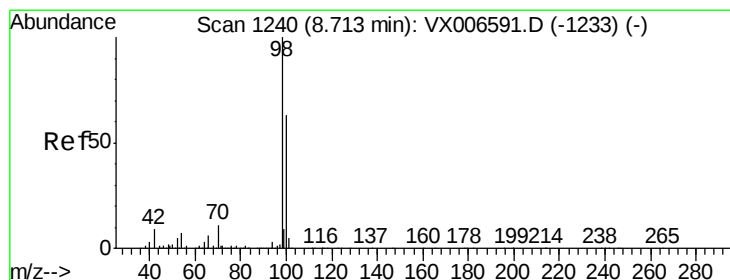
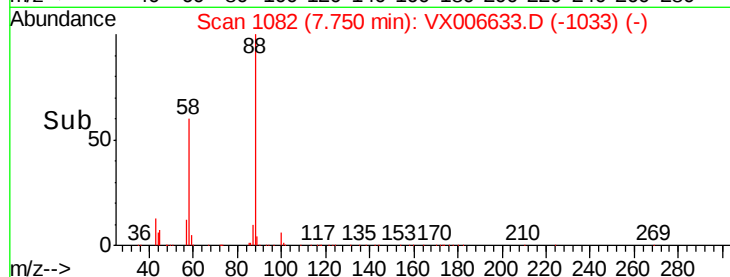
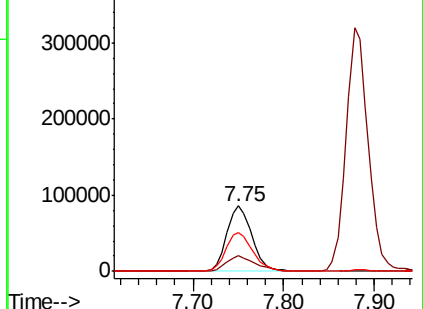
58 63.5 51.0 76.4



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.696 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006633.D

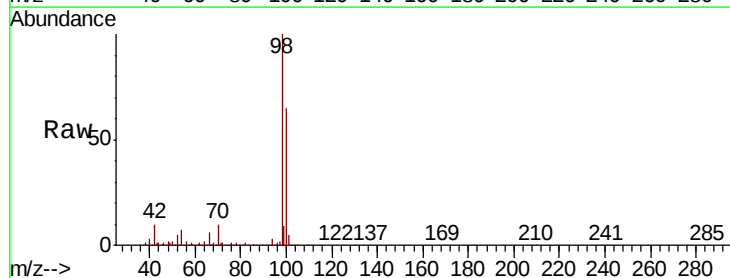
Acq: 19 Dec 2018 07:51

Tgt Ion: 98 Resp: 1098891

Ion Ratio Lower Upper

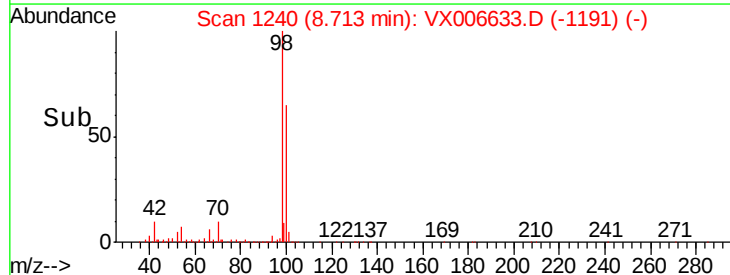
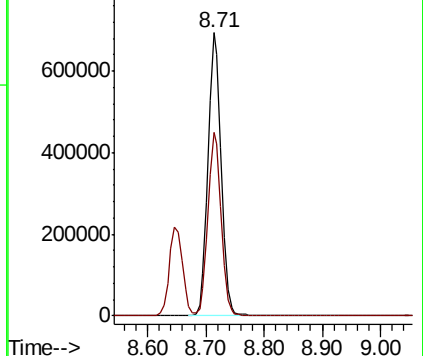
98 100

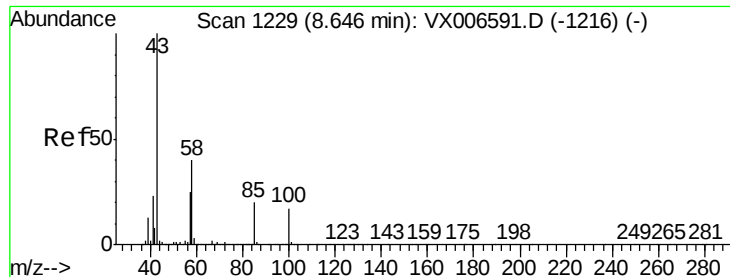
100 64.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

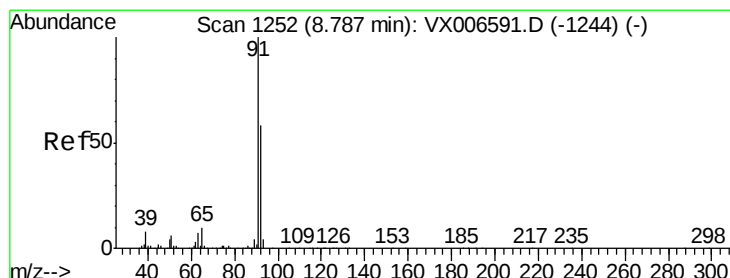
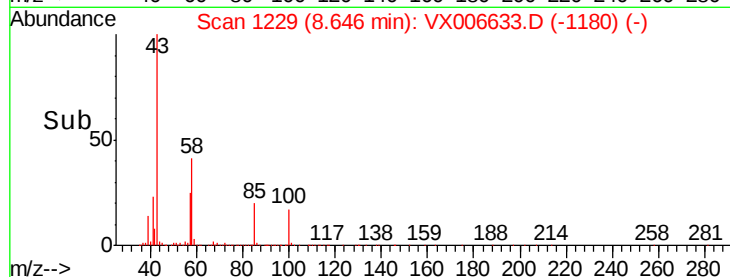
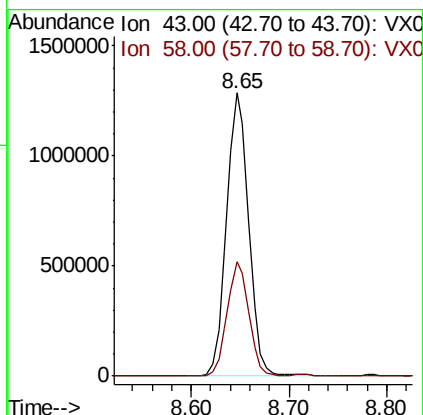
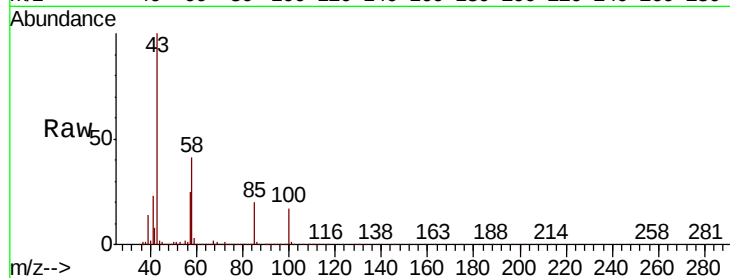




#51
4-Methyl-2-Pentanone
Concen: 260.312 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

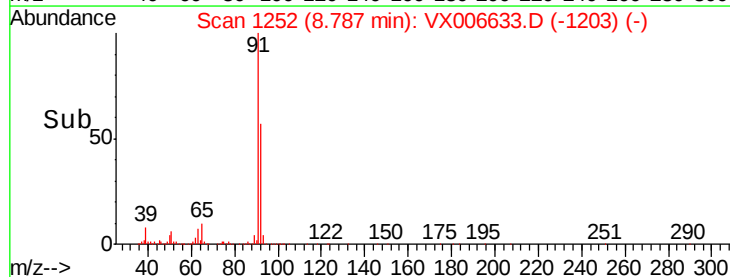
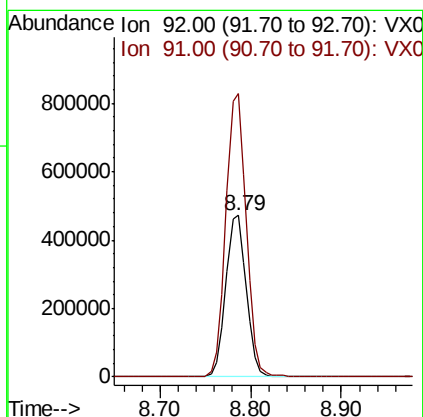
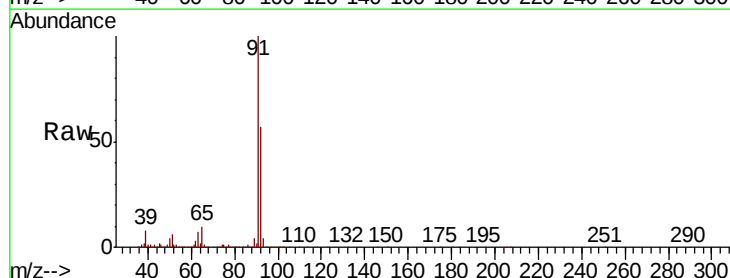
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

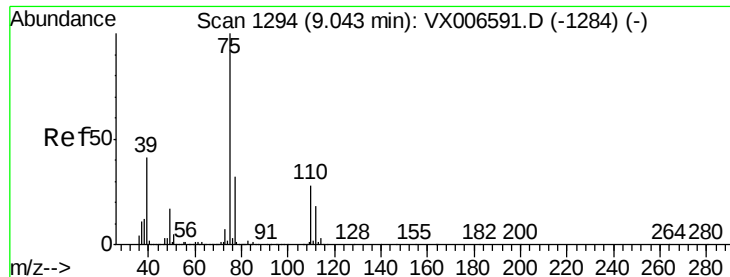
Tot Ion: 43 Resp: 2014919
Ion Ratio Lower Upper
43 100
58 39.9 31.8 47.6



#52
Toluene
Concen: 49.299 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

Tgt Ion: 92 Resp: 743688
Ion Ratio Lower Upper
92 100
91 174.6 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 48.669 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

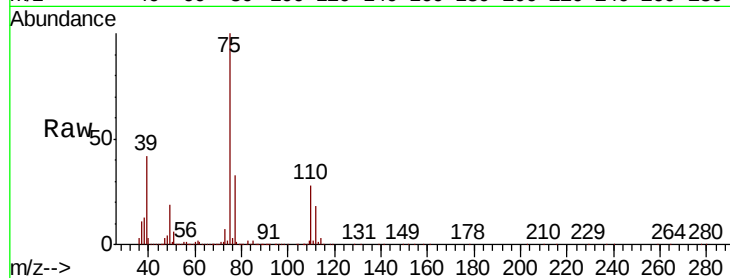
VSTDCCC050EC

Tot Ion: 75 Resp: 362196

Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

250000

200000

150000

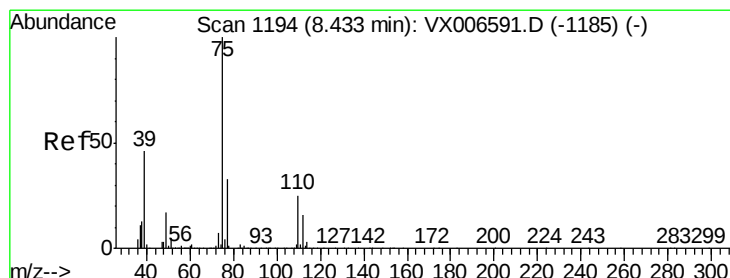
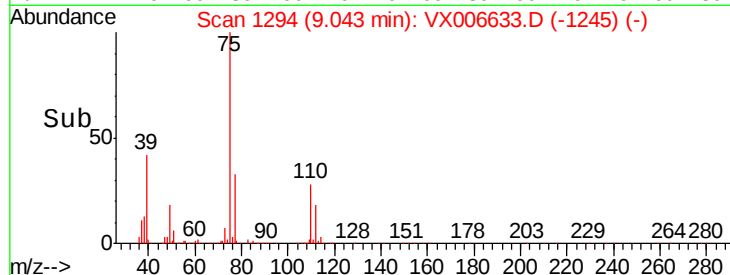
100000

50000

0

Time-->

8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 49.584 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

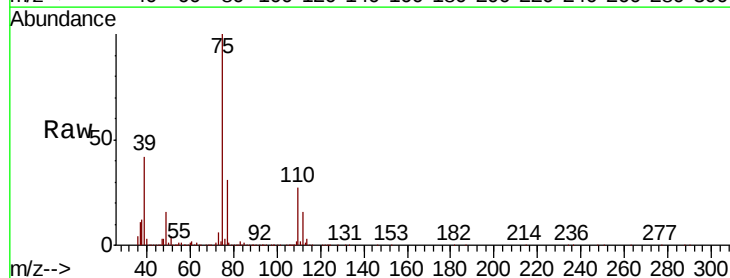
Tgt Ion: 75 Resp: 404894

Ion Ratio Lower Upper

75 100

77 31.3 26.2 39.2

39 41.7 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44

300000

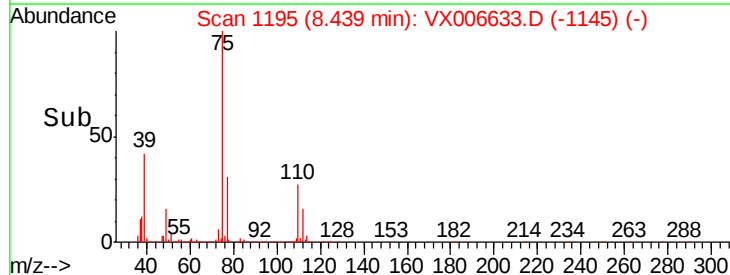
200000

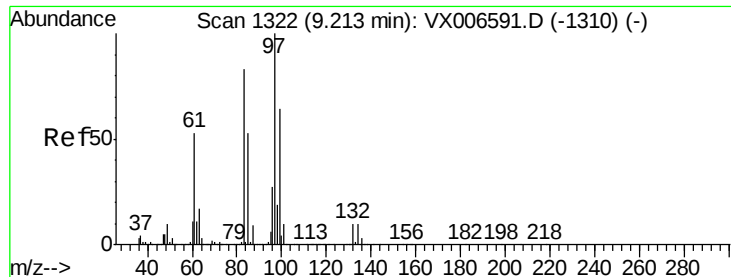
100000

0

Time-->

8.35 8.40 8.45 8.50





#55

1,1,2-Trichloroethane

Concen: 50.045 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 309011

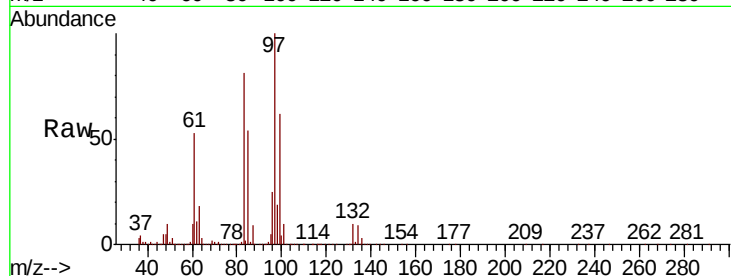
Ion Ratio Lower Upper

97 100

83 81.3 66.6 99.8

85 54.3 42.7 64.1

99 61.7 50.8 76.2

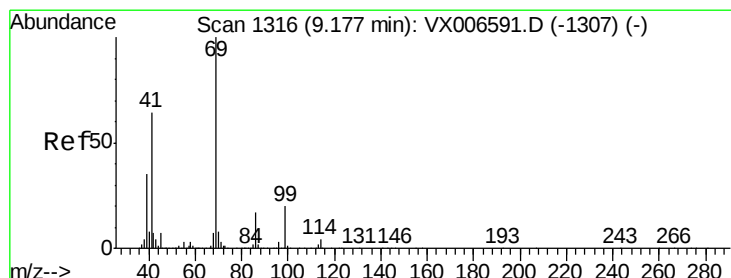
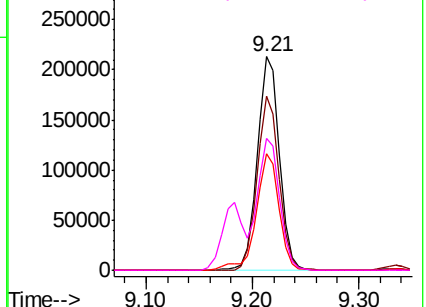
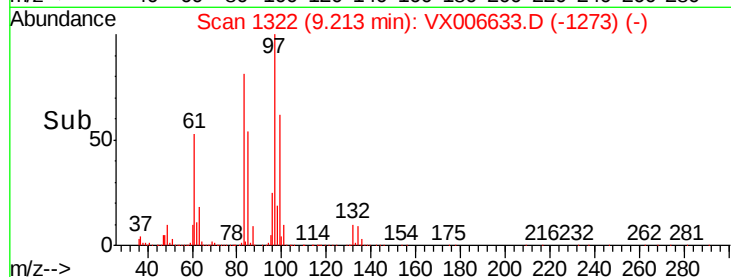


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 52.463 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

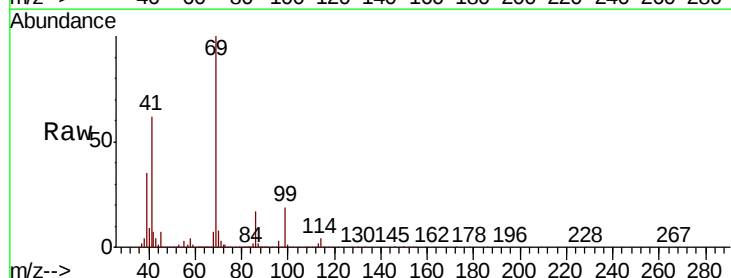
Tgt Ion: 69 Resp: 457848

Ion Ratio Lower Upper

69 100

41 61.2 48.7 73.1

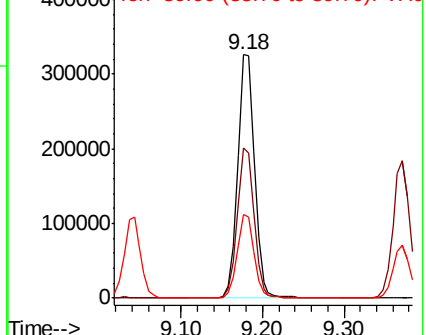
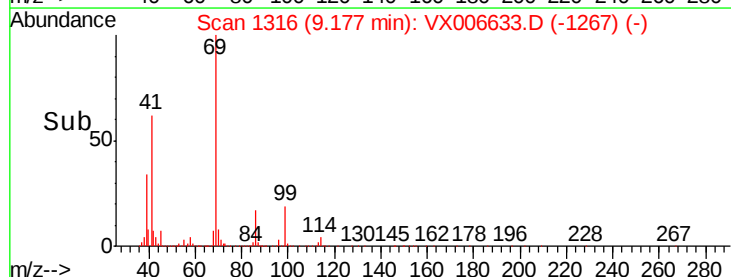
39 34.3 27.0 40.6

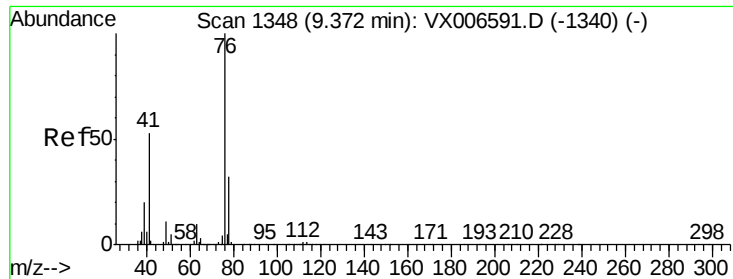


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 48.791 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

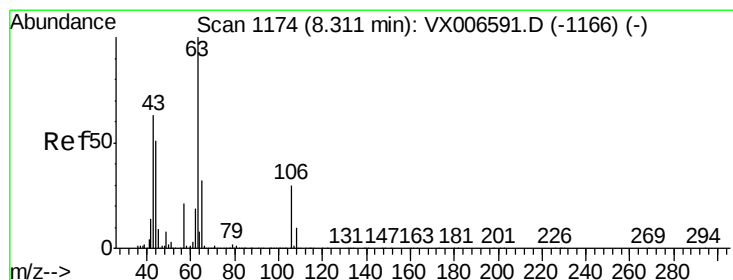
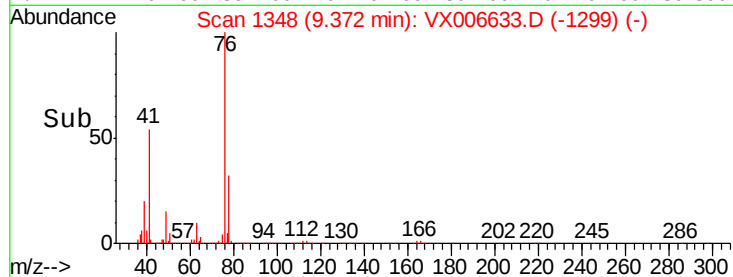
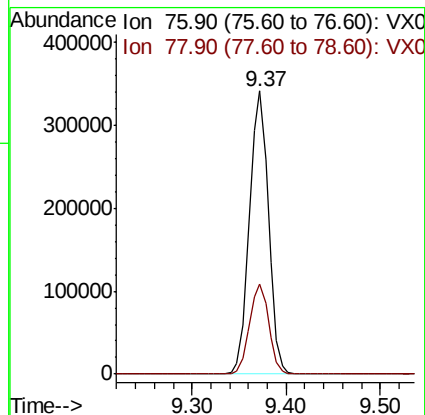
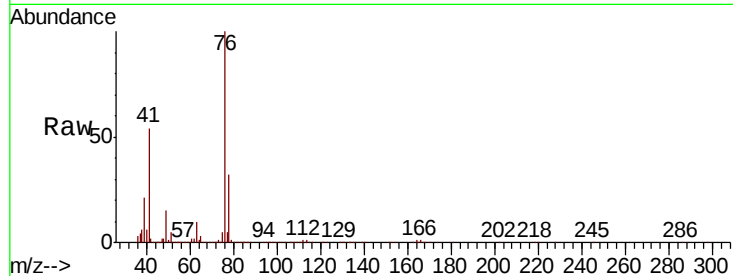
VSTDCCC050EC

Tot Ion: 76 Resp: 484698

Ion Ratio Lower Upper

76 100

78 32.3 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 245.603 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006633.D

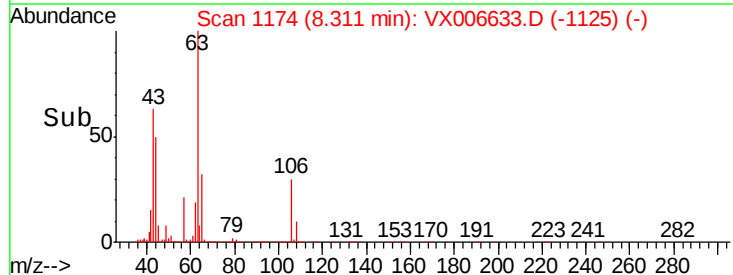
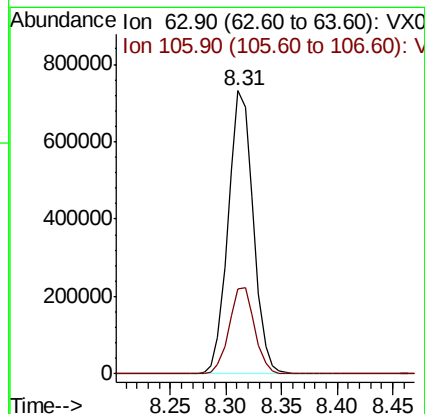
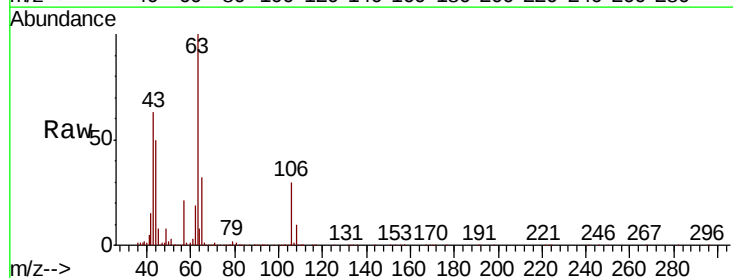
Acq: 19 Dec 2018 07:51

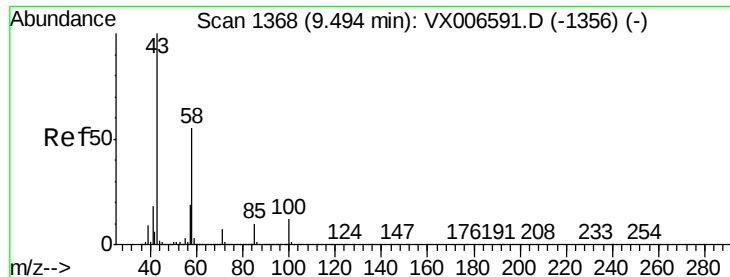
Tgt Ion: 63 Resp: 1139353

Ion Ratio Lower Upper

63 100

106 30.9 24.6 36.8

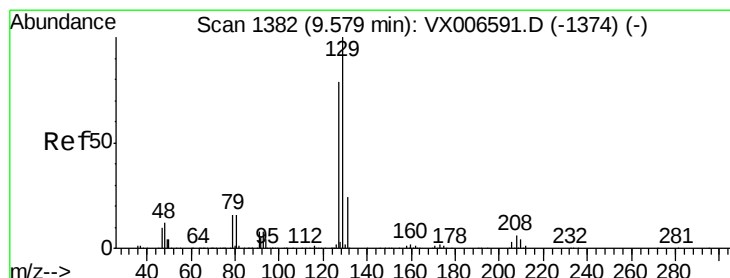
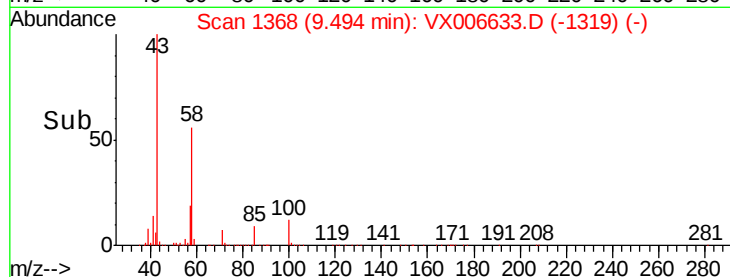
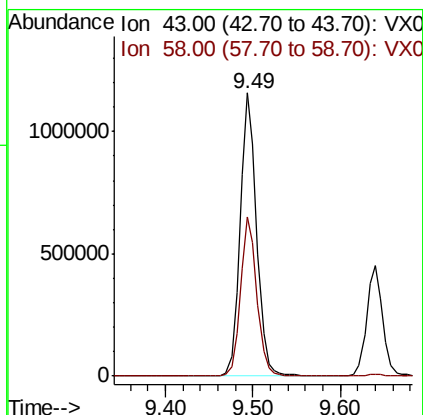
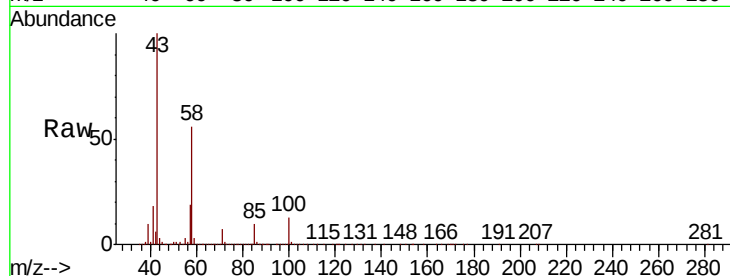




#59
2-Hexanone
Concen: 256.574 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

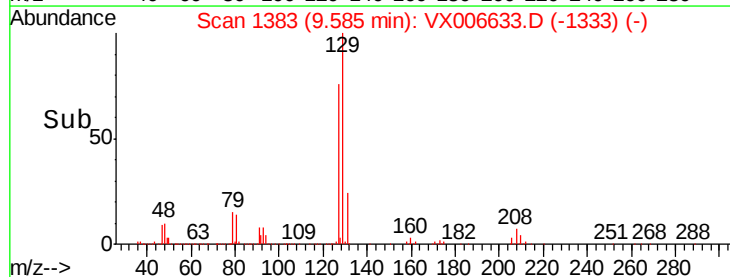
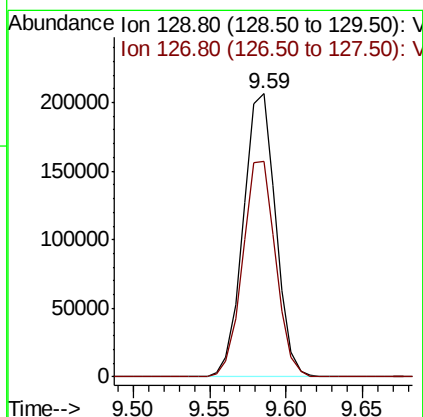
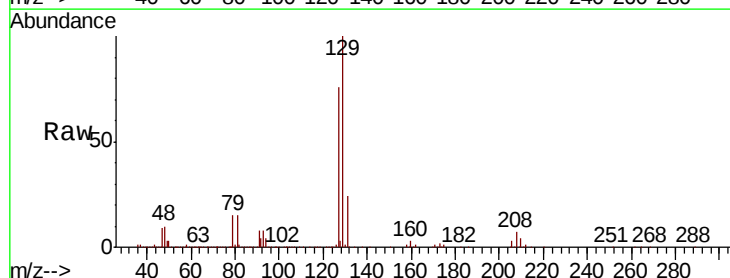
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

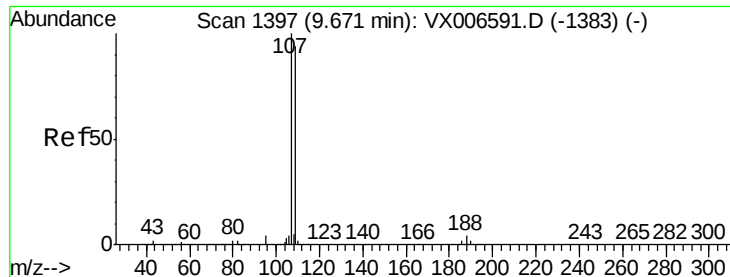
Tot Ion: 43 Resp: 1519514
Ion Ratio Lower Upper
43 100
58 55.9 27.7 83.1



#60
Dibromochloromethane
Concen: 53.296 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

Tgt Ion: 129 Resp: 303118
Ion Ratio Lower Upper
129 100
127 77.4 39.3 117.8





#61

1,2-Dibromoethane

Concen: 50.826 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

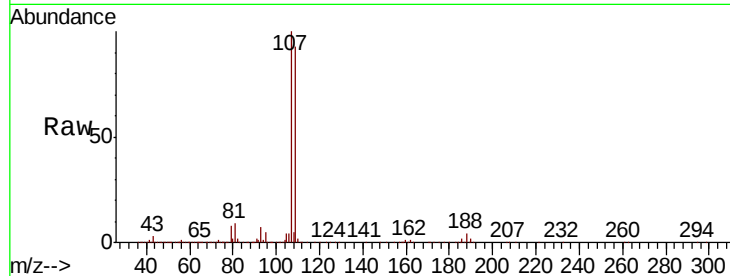
VSTDCCC050EC

Tot Ion:107 Resp: 333609

Ion Ratio Lower Upper

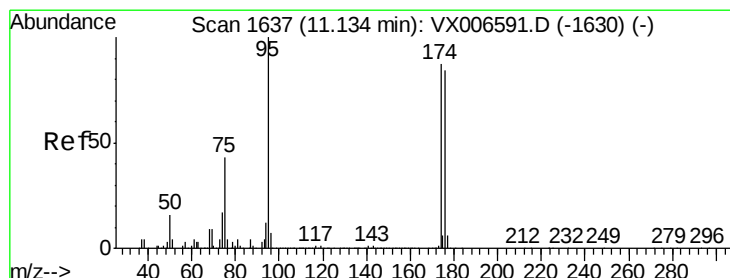
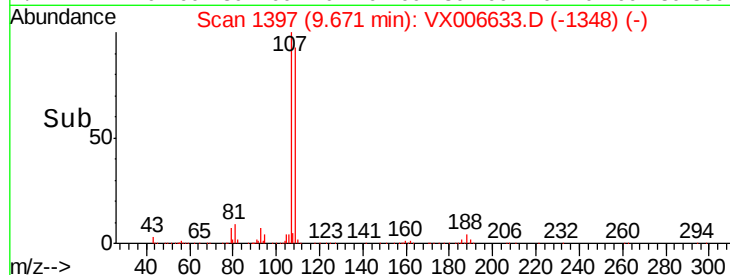
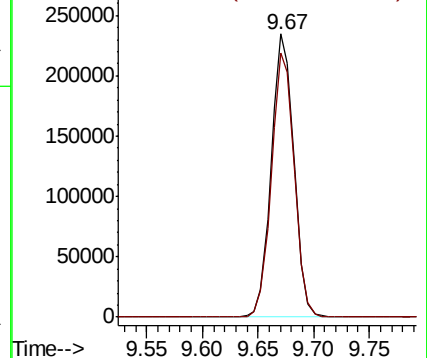
107 100

109 94.4 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.495 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

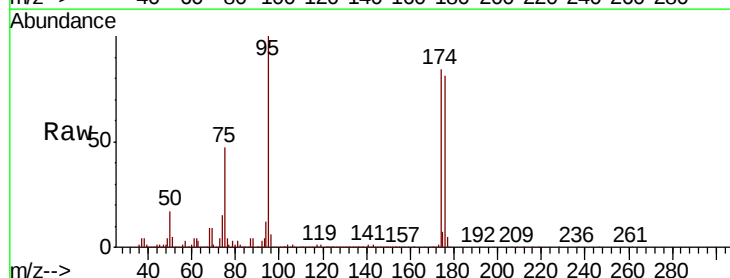
Tgt Ion: 95 Resp: 408930

Ion Ratio Lower Upper

95 100

174 90.5 0.0 182.2

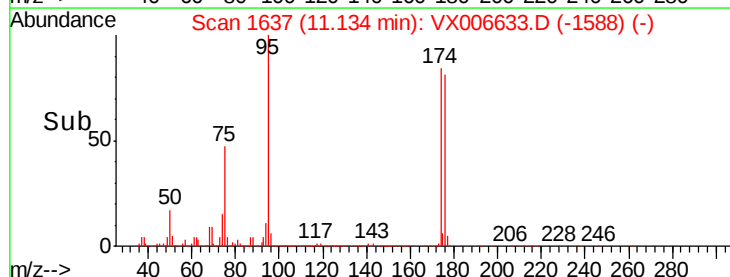
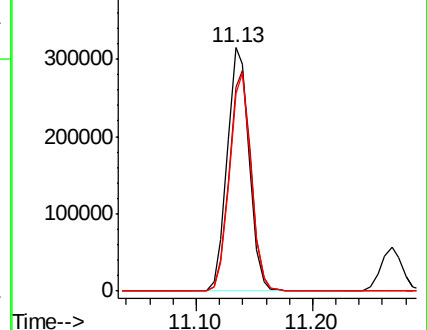
176 88.3 0.0 178.8

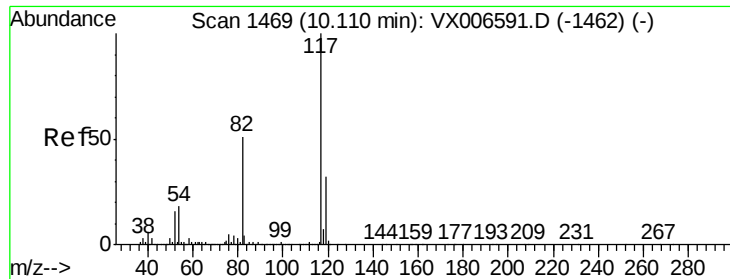


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

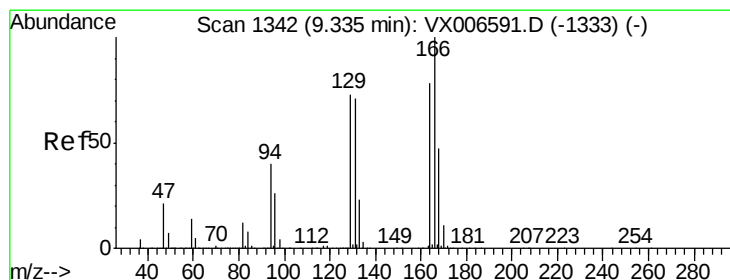
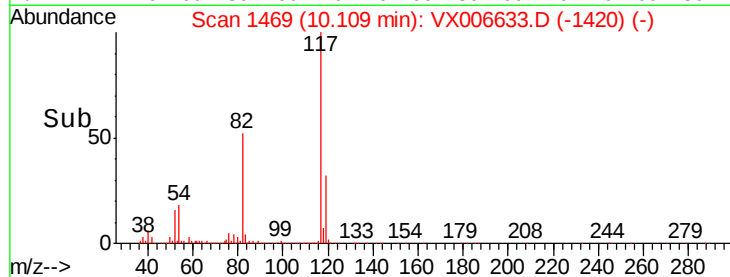
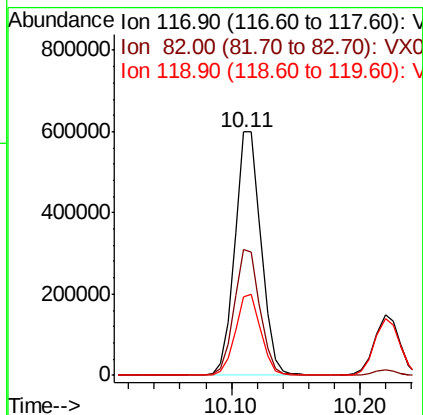
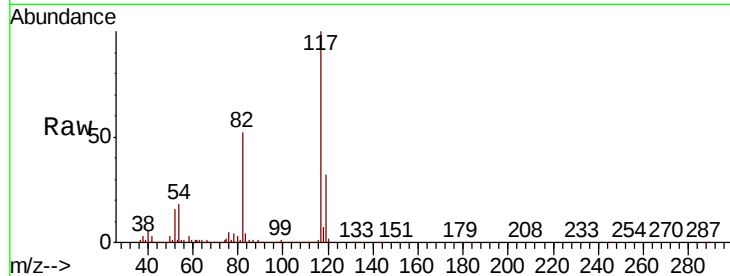




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

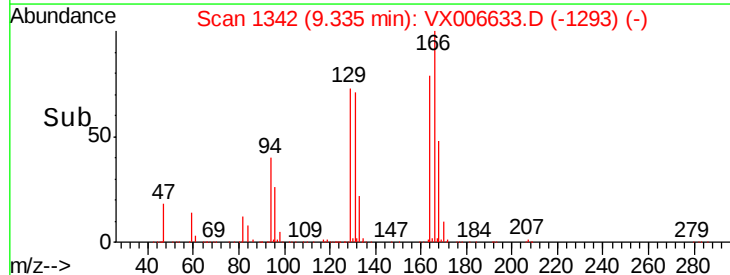
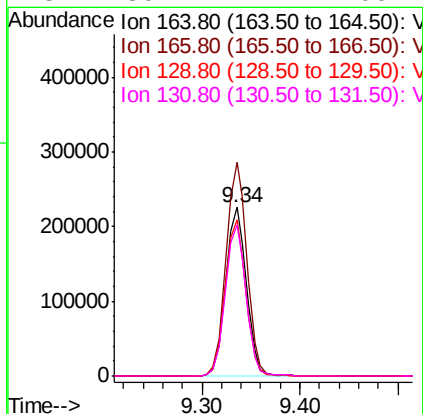
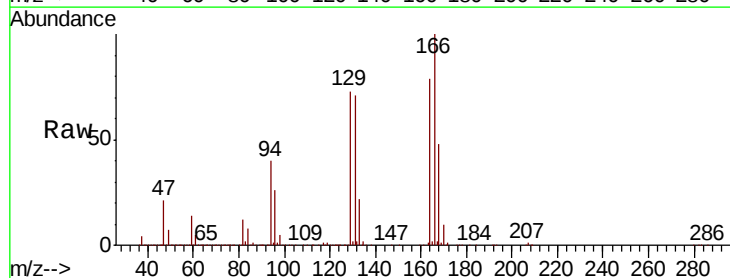
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

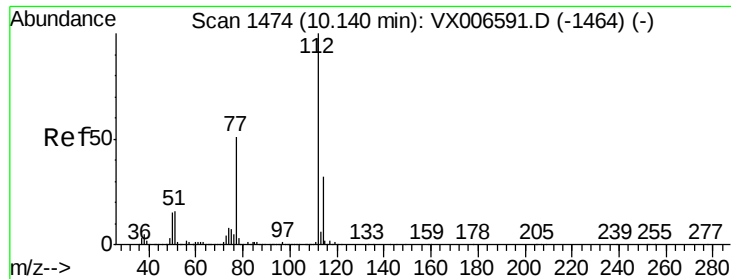
Tot Ion:117 Resp: 846198
Ion Ratio Lower Upper
117 100
82 51.9 41.0 61.6
119 32.3 25.4 38.0



#64
Tetrachloroethene
Concen: 49.384 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

Tgt Ion:164 Resp: 330902
Ion Ratio Lower Upper
164 100
166 126.5 102.5 153.7
129 92.6 75.1 112.7
131 89.7 72.7 109.1

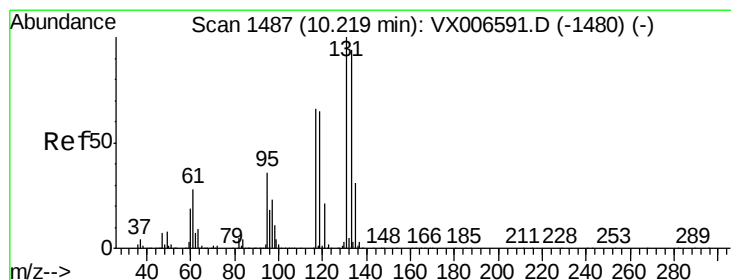
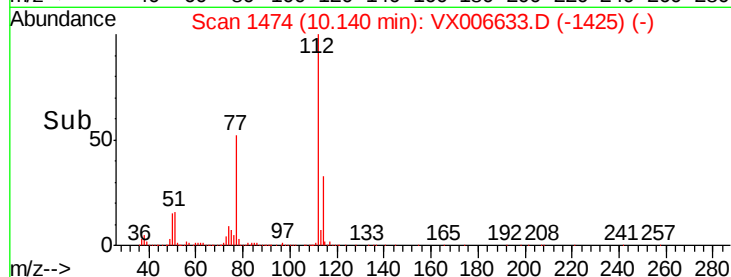
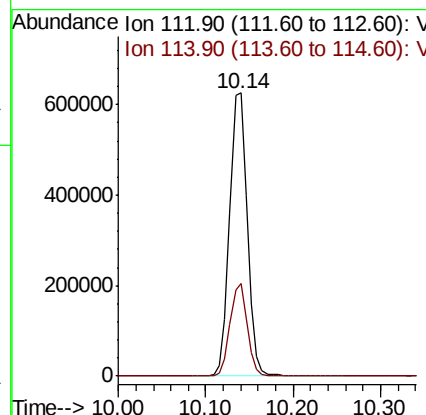
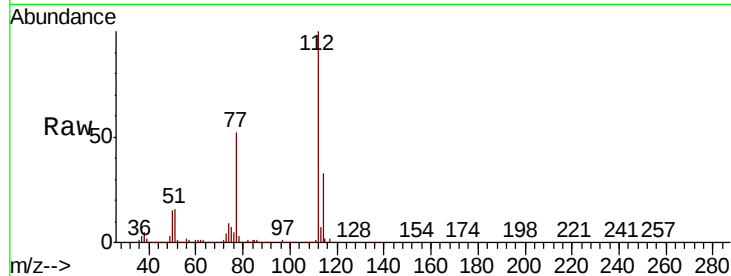




#65
Chlorobenzene
Concen: 48.951 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

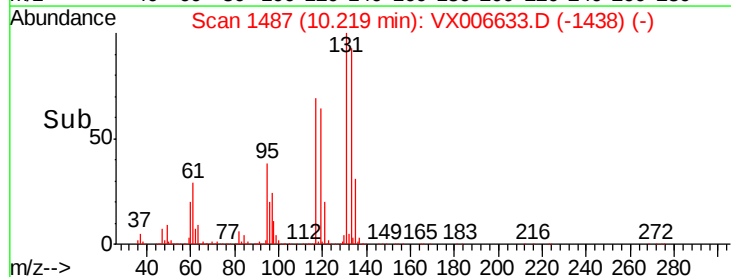
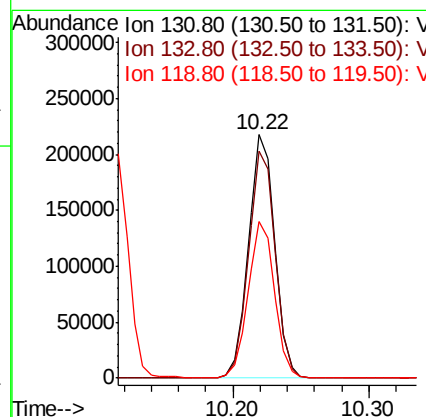
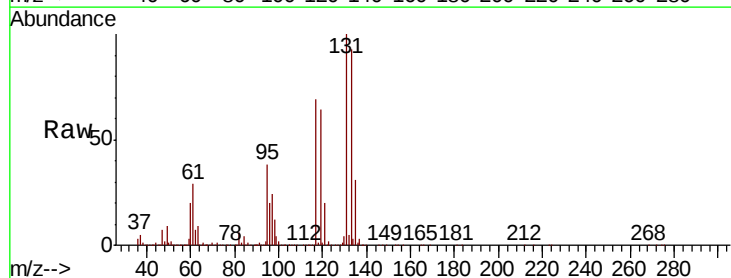
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

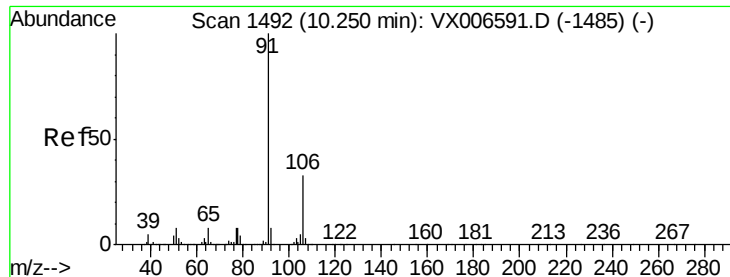
Tot Ion:112 Resp: 876332
Ion Ratio Lower Upper
112 100
114 32.6 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 52.624 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

Tgt Ion:131 Resp: 293923
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.2
119 64.4 32.6 97.8





#67

Ethyl Benzene

Concen: 49.280 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

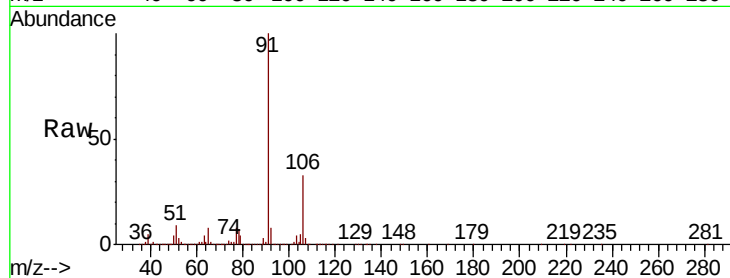
VSTDCCC050EC

Tot Ion: 91 Resp: 1441585

Ion Ratio Lower Upper

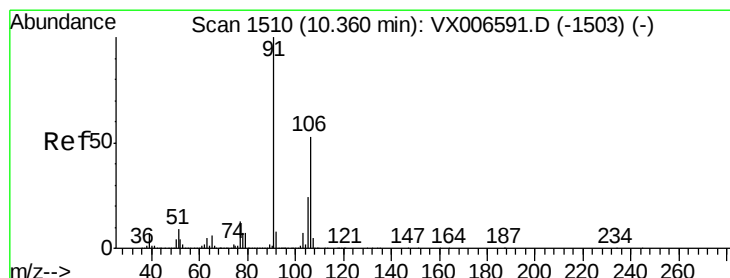
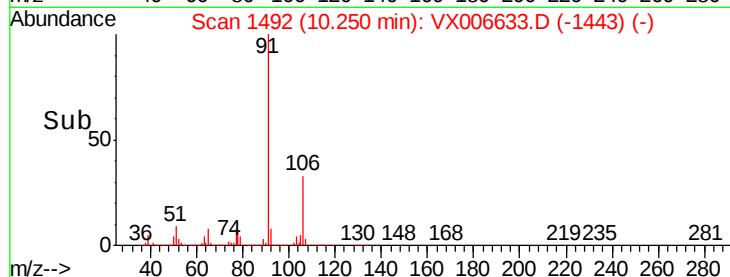
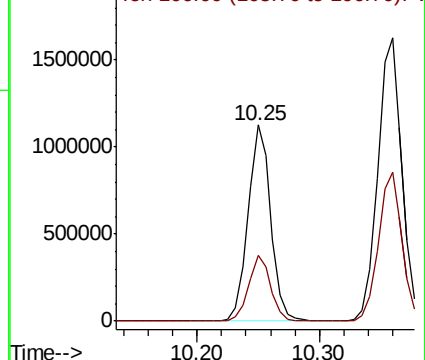
91 100

106 33.4 26.4 39.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 100.043 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006633.D

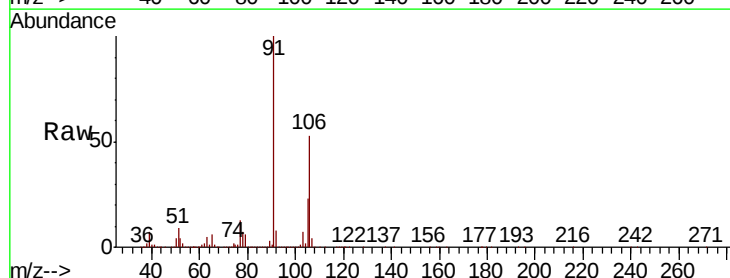
Acq: 19 Dec 2018 07:51

Tgt Ion:106 Resp: 1154822

Ion Ratio Lower Upper

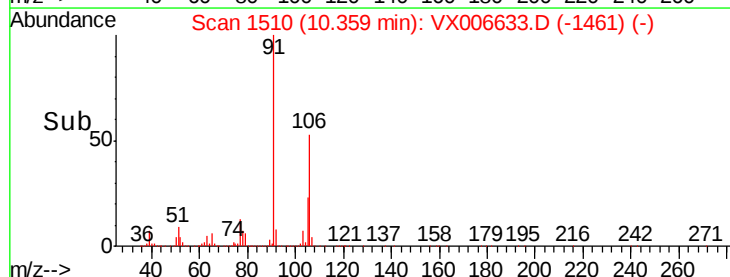
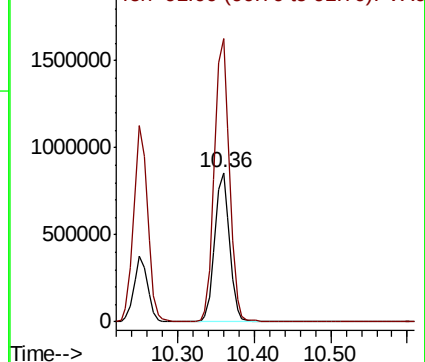
106 100

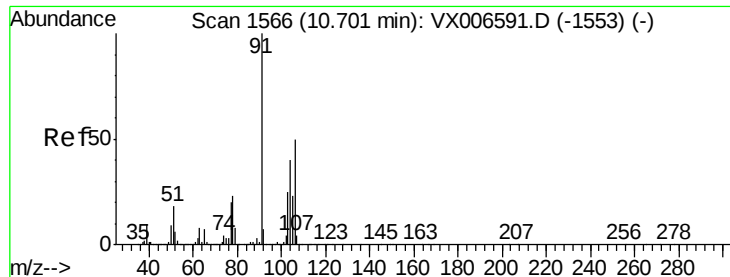
91 192.9 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

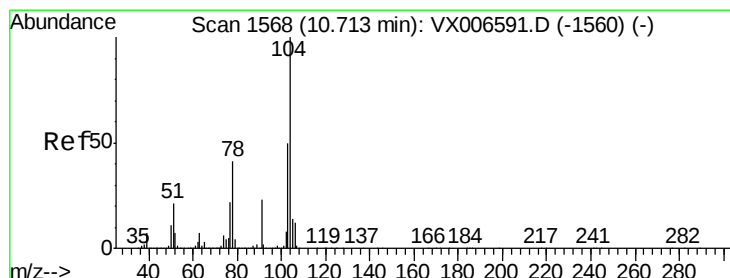
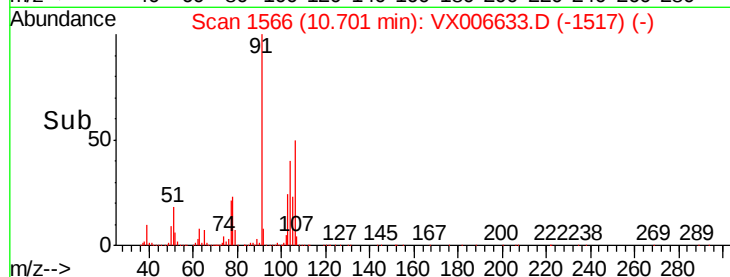
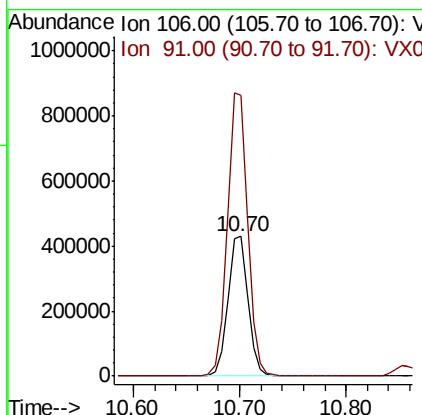
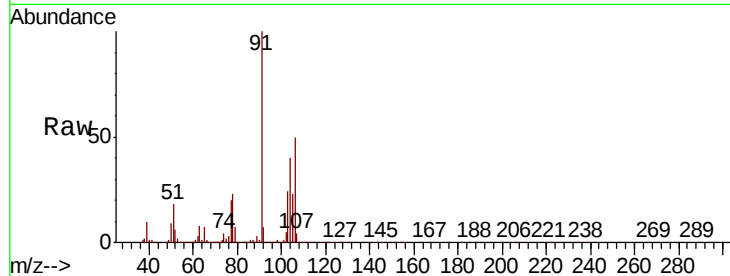




#69
o-Xylene
Concen: 50.097 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

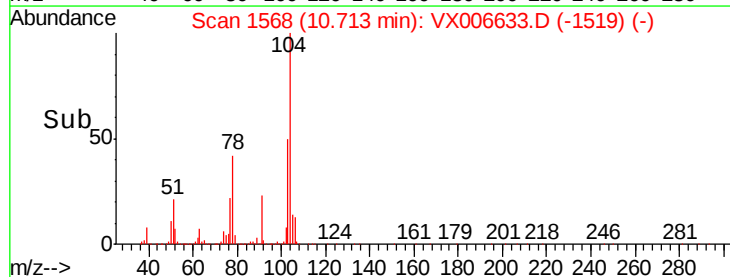
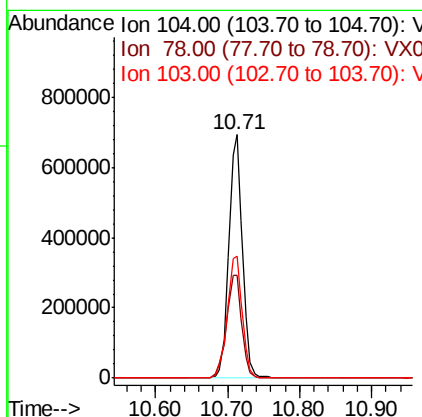
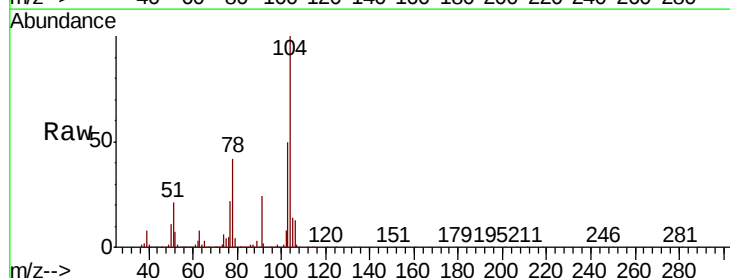
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

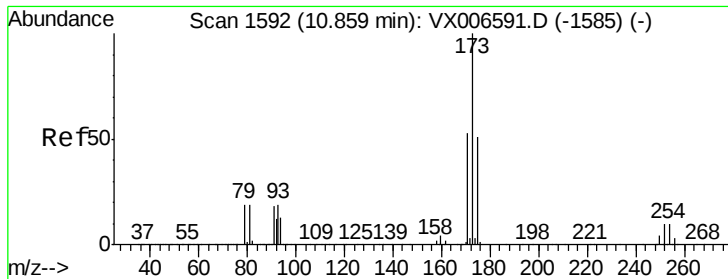
Tot Ion:106 Resp: 571042
Ion Ratio Lower Upper
106 100
91 203.9 101.3 303.7



#70
Styrene
Concen: 51.236 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

Tgt Ion:104 Resp: 923954
Ion Ratio Lower Upper
104 100
78 47.3 37.7 56.5
103 54.9 43.8 65.8





#71

Bromoform

Concen: 45.253 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

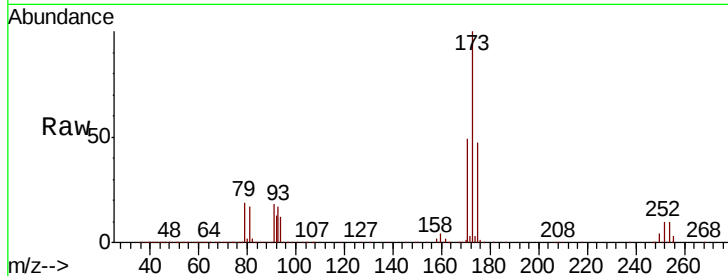
Tot Ion:173 Resp: 225646

Ion Ratio Lower Upper

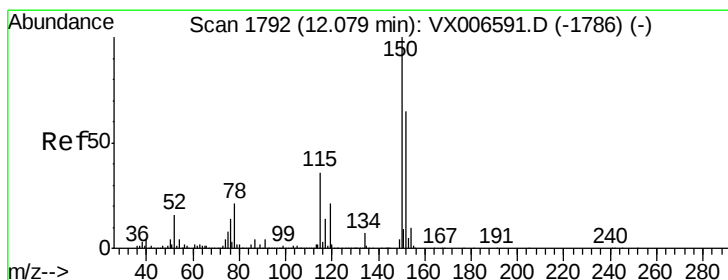
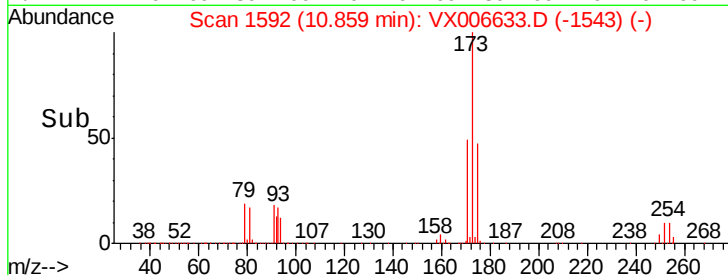
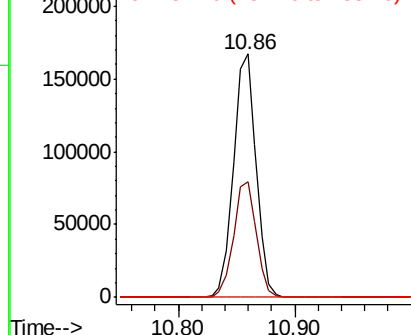
173 100

175 47.8 24.7 74.1

254 0.1 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: VX006633.D

Acq: 19 Dec 2018 07:51

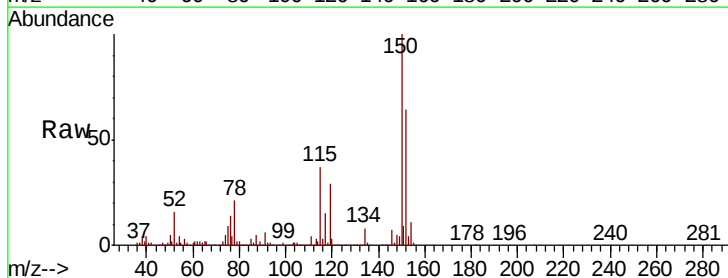
Tgt Ion:152 Resp: 439825

Ion Ratio Lower Upper

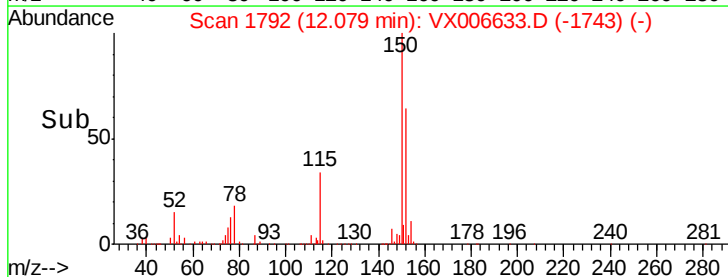
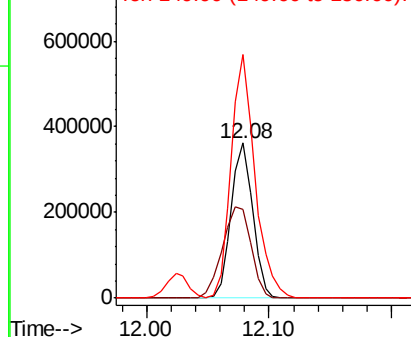
152 100

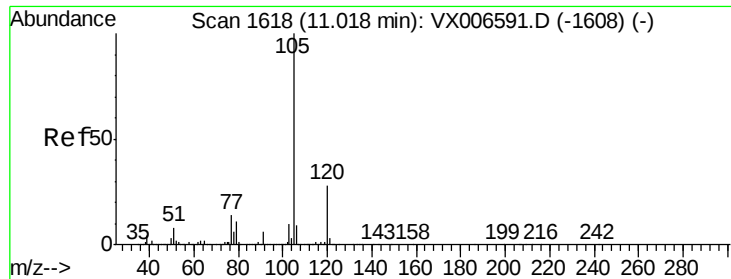
115 78.4 39.1 117.2

150 172.7 0.0 344.8



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





#73

Isopropylbenzene

Concen: 49.311 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

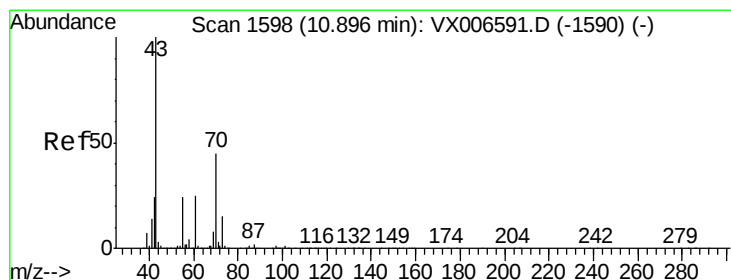
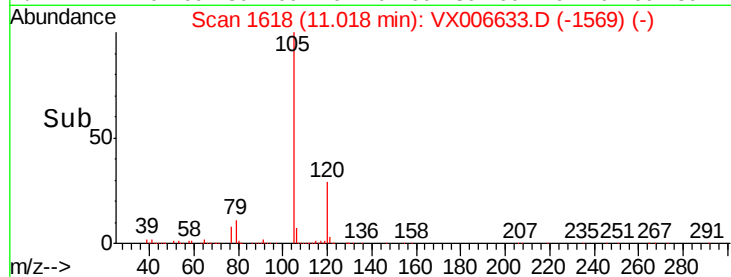
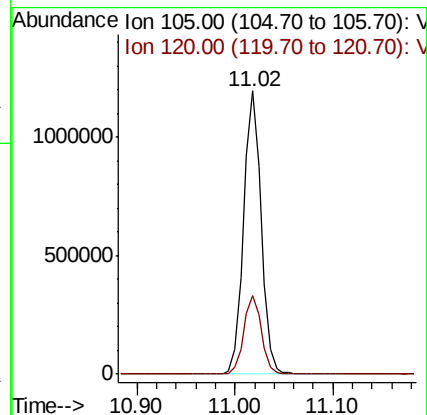
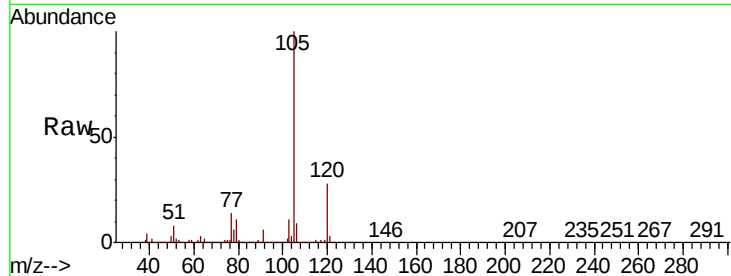
VSTDCCC050EC

Tot Ion:105 Resp: 1483730

Ion Ratio Lower Upper

105 100

120 28.0 14.1 42.4



#74

N-ethyl acetate

Concen: 52.682 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Tgt Ion: 43 Resp: 567394

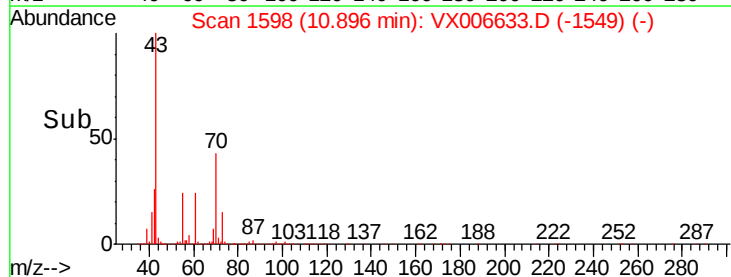
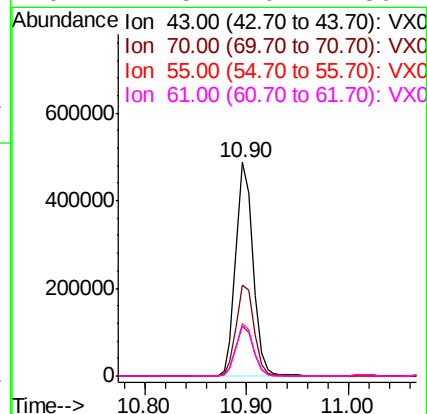
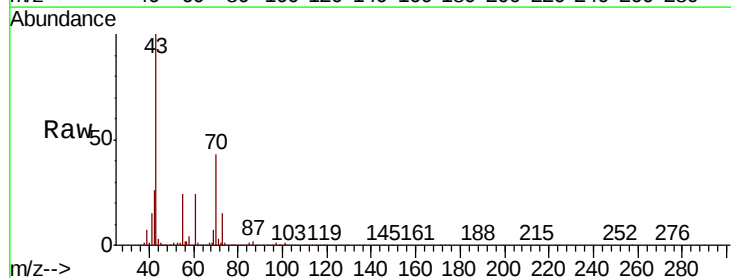
Ion Ratio Lower Upper

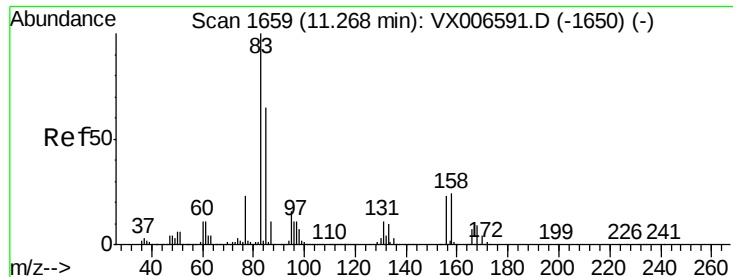
43 100

70 44.2 35.8 53.8

55 24.3 19.4 29.0

61 24.5 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 50.760 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

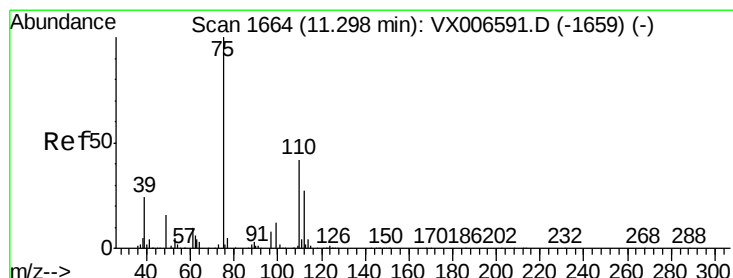
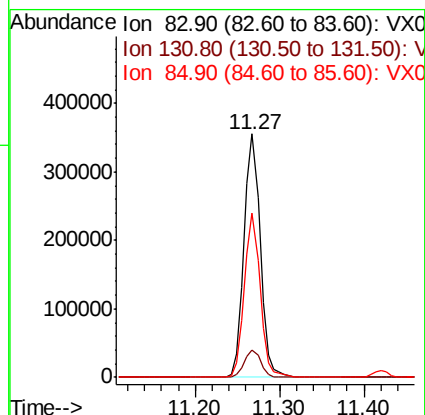
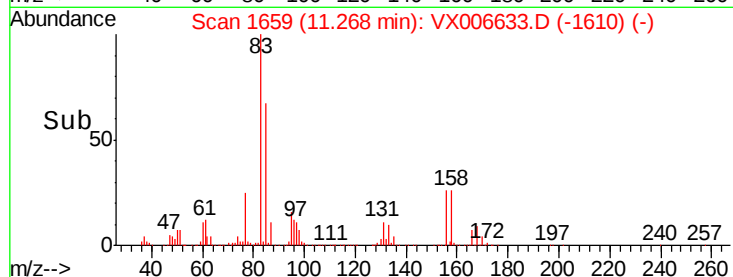
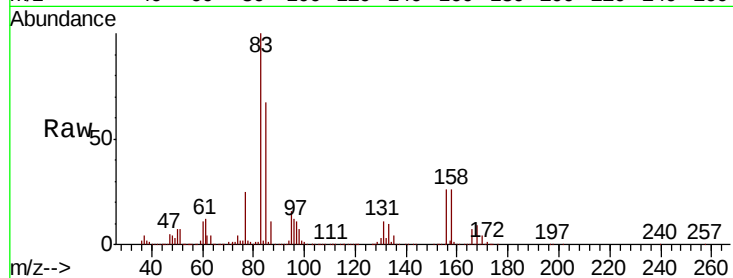
Tot Ion: 83 Resp: 454228

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.1

85 65.3 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 60.799 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006633.D

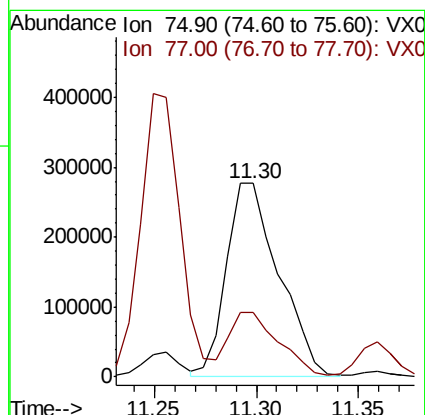
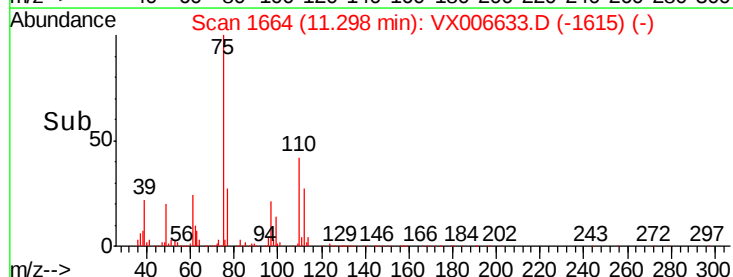
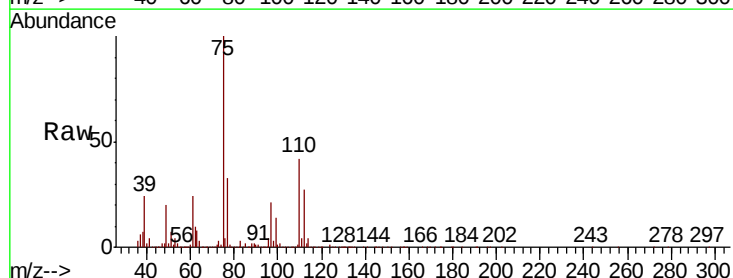
Acq: 19 Dec 2018 07:51

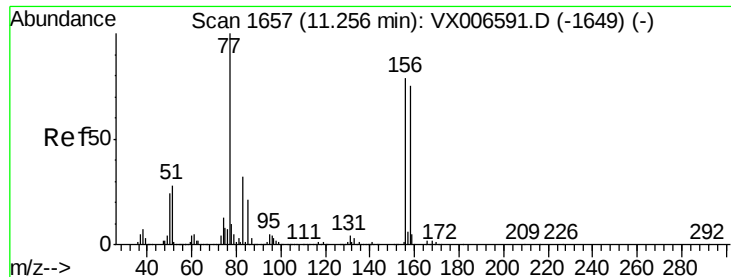
Tgt Ion: 75 Resp: 496954

Ion Ratio Lower Upper

75 100

77 31.0 18.5 55.5





#77

Bromobenzene

Concen: 49.502 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

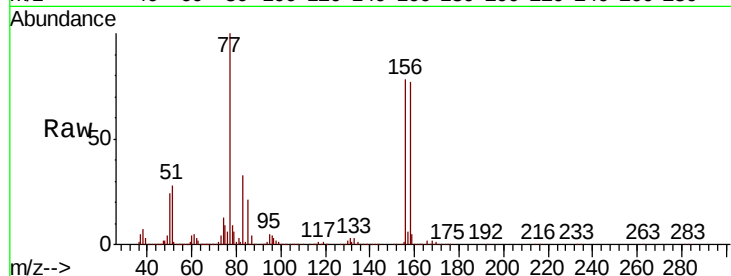
Tot Ion:156 Resp: 402687

Ion Ratio Lower Upper

156 100

77 136.3 68.0 204.0

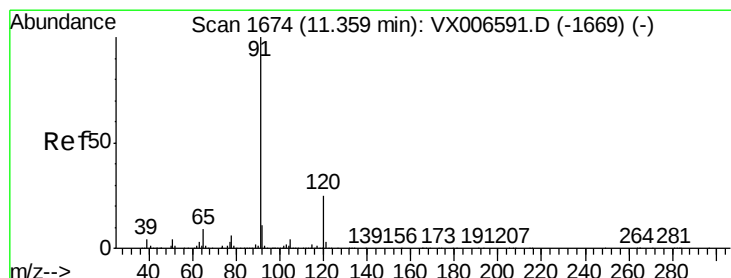
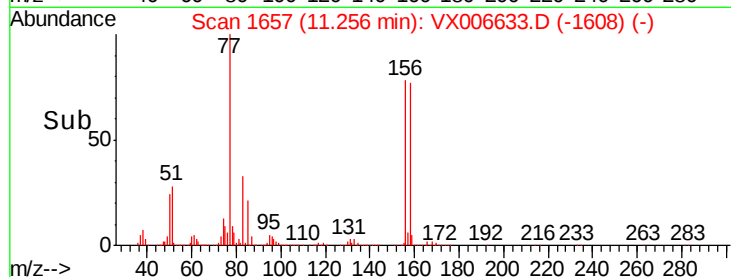
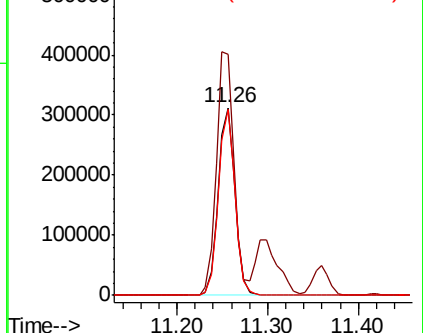
158 98.1 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.779 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006633.D

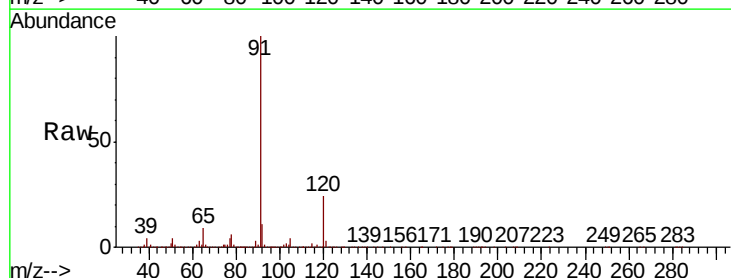
Acq: 19 Dec 2018 07:51

Tgt Ion: 91 Resp: 1649404

Ion Ratio Lower Upper

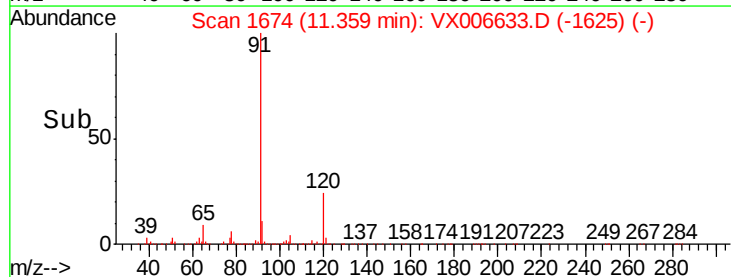
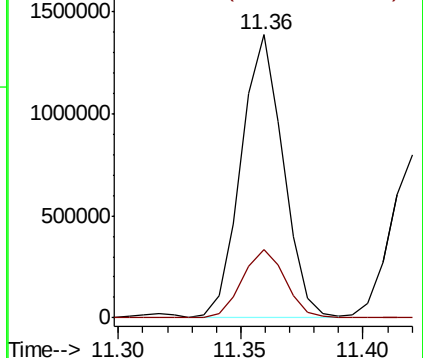
91 100

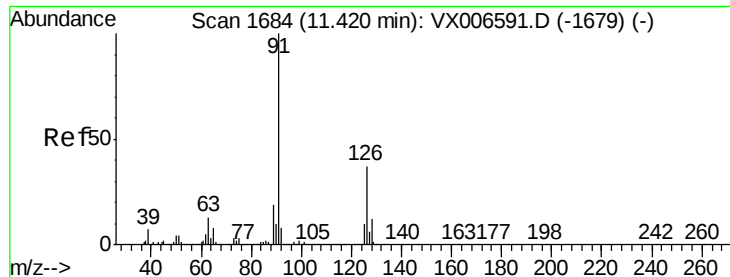
120 24.8 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.100 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

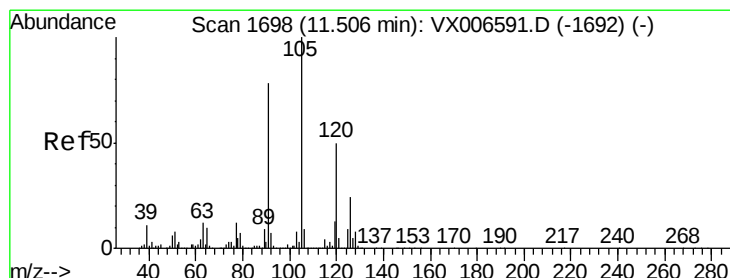
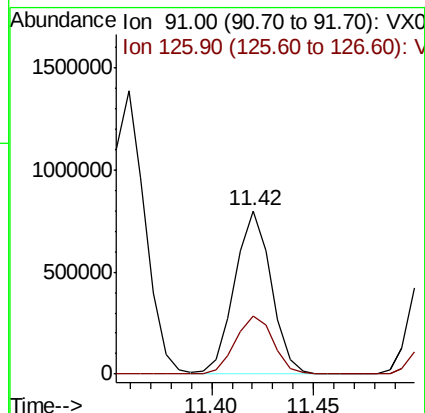
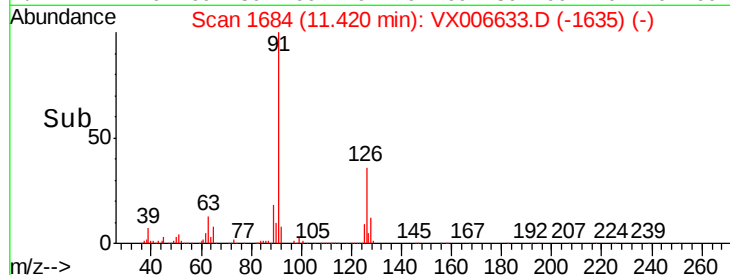
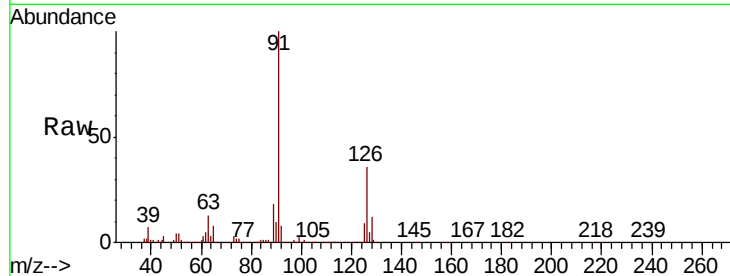
VSTDCCC050EC

Tot Ion: 91 Resp: 985919

Ion Ratio Lower Upper

91 100

126 37.2 18.6 56.0



#80

1,3,5-Trimethylbenzene

Concen: 49.571 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006633.D

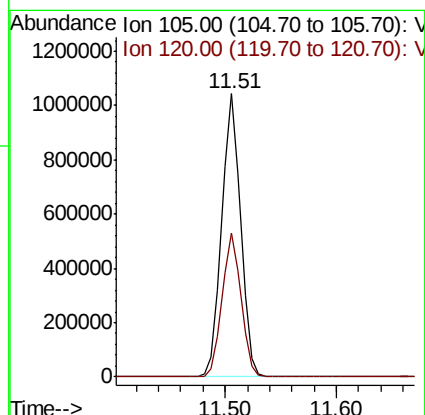
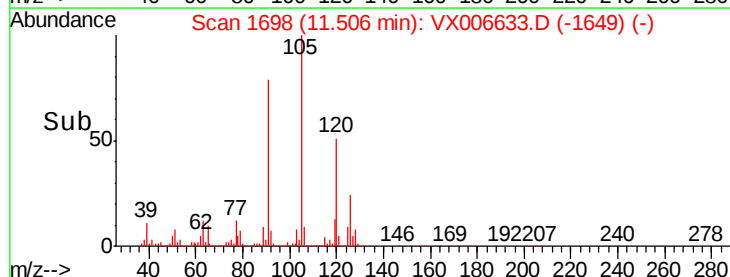
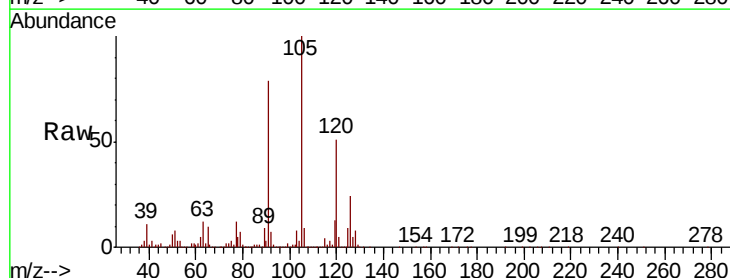
Acq: 19 Dec 2018 07:51

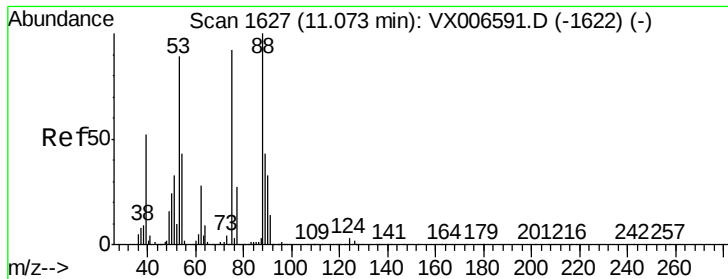
Tgt Ion:105 Resp: 1228551

Ion Ratio Lower Upper

105 100

120 50.7 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 38.475 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

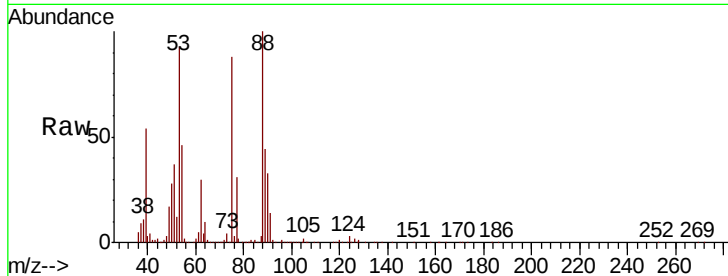
Tot Ion: 75 Resp: 100476

Ion Ratio Lower Upper

75 100

53 105.8 79.7 119.5

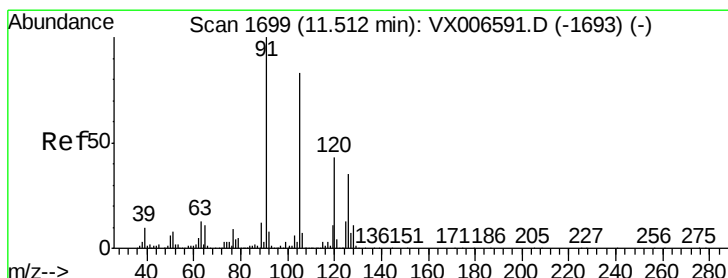
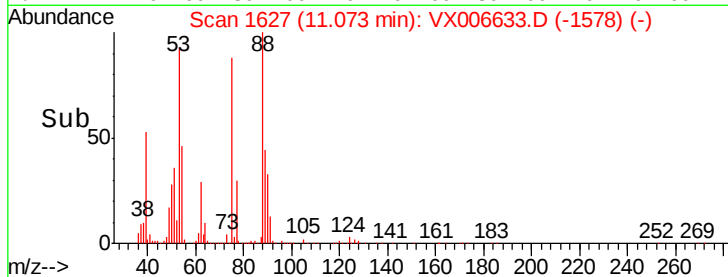
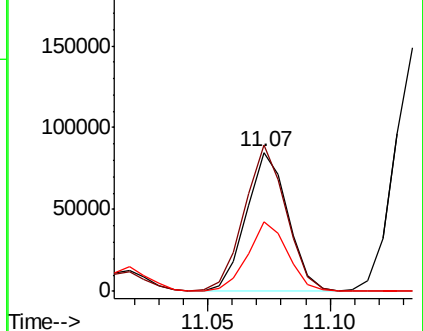
89 48.6 38.0 57.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 48.824 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006633.D

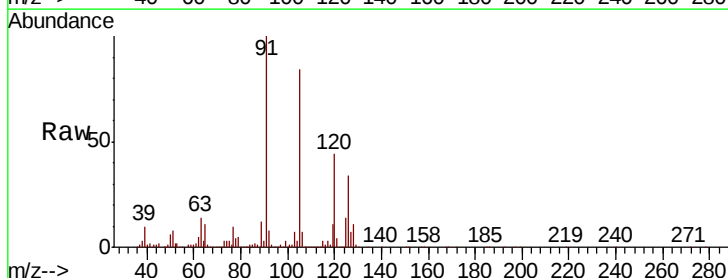
Acq: 19 Dec 2018 07:51

Tgt Ion: 91 Resp: 1124563

Ion Ratio Lower Upper

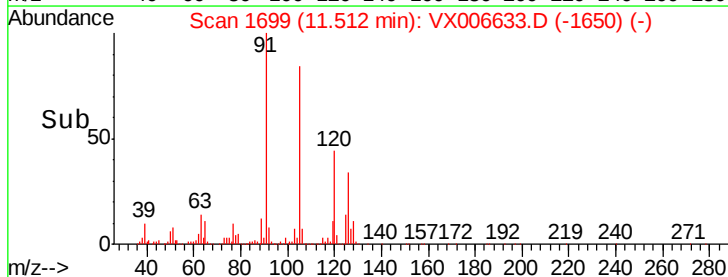
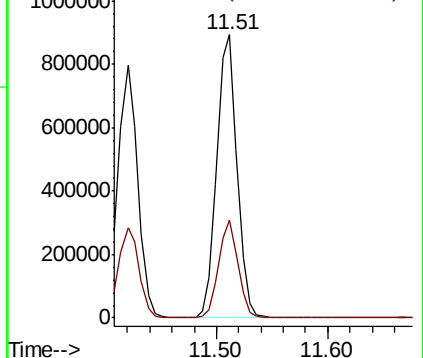
91 100

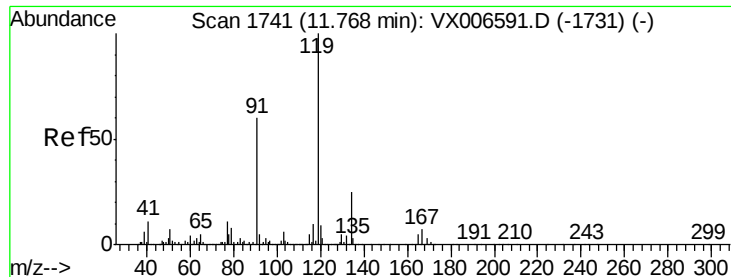
126 33.0 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.825 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

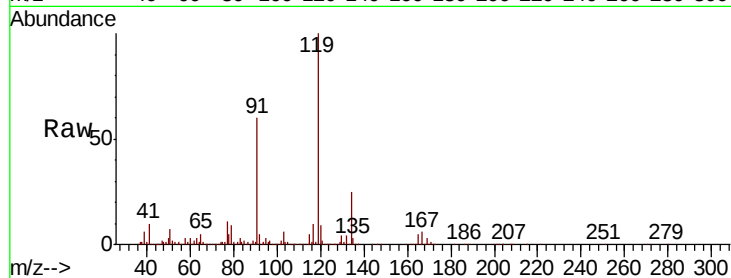
Tot Ion:119 Resp: 1260690

Ion Ratio Lower Upper

119 100

91 54.9 27.7 83.1

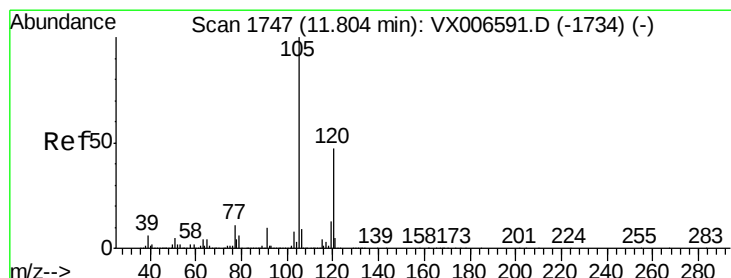
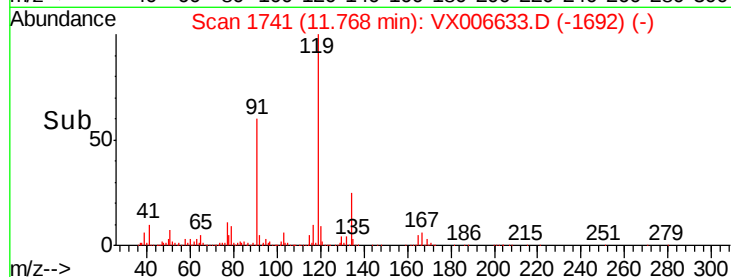
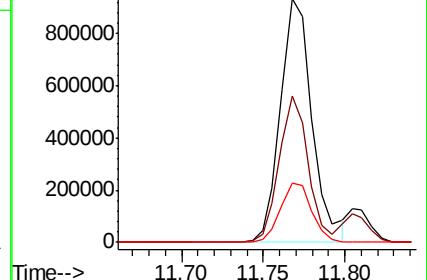
134 24.0 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.033 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006633.D

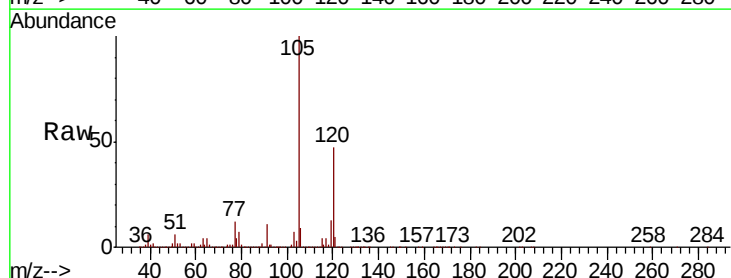
Acq: 19 Dec 2018 07:51

Tgt Ion:105 Resp: 1278185

Ion Ratio Lower Upper

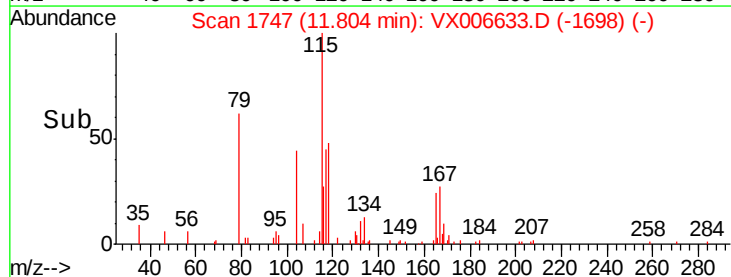
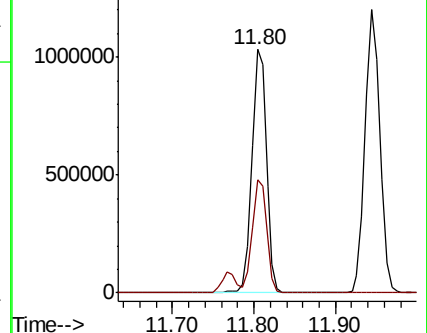
105 100

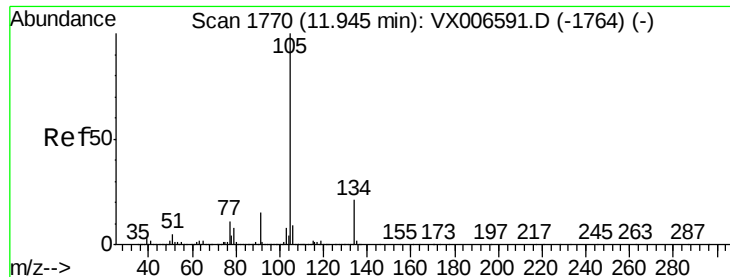
120 45.9 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.151 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

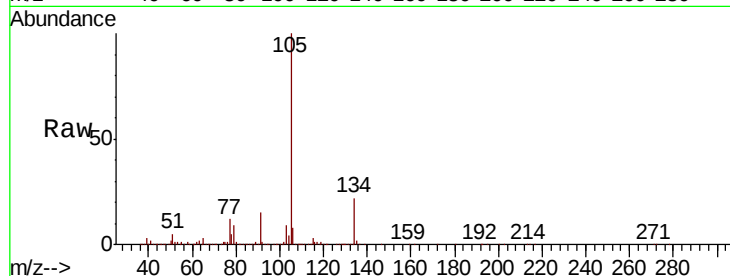
VSTDCCC050EC

Tot Ion:105 Resp: 1494755

Ion Ratio Lower Upper

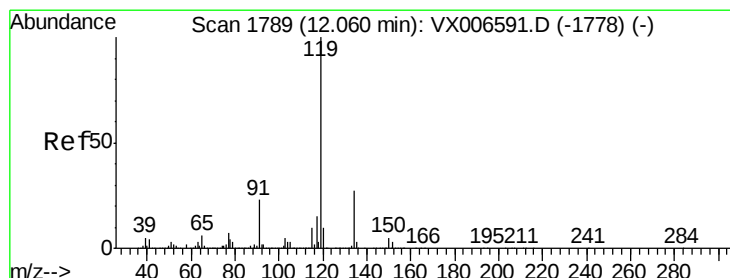
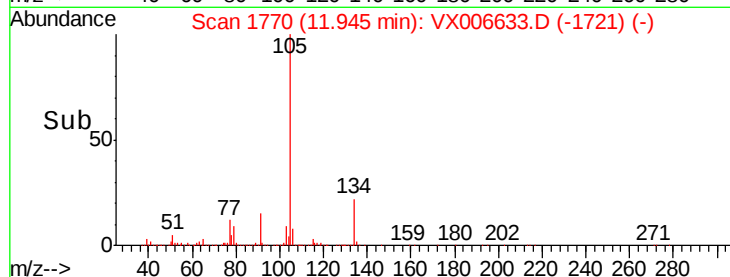
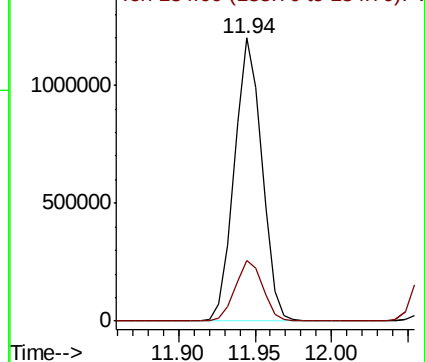
105 100

134 21.5 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.806 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

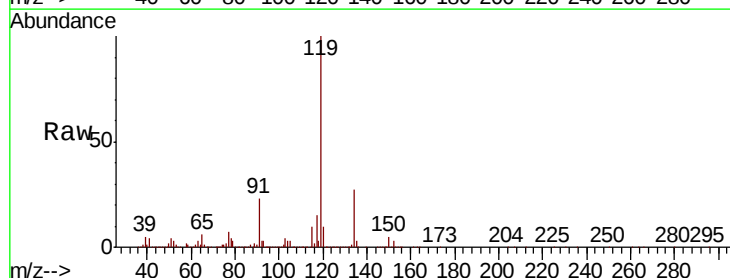
Tgt Ion:119 Resp: 1331473

Ion Ratio Lower Upper

119 100

134 27.5 14.0 41.9

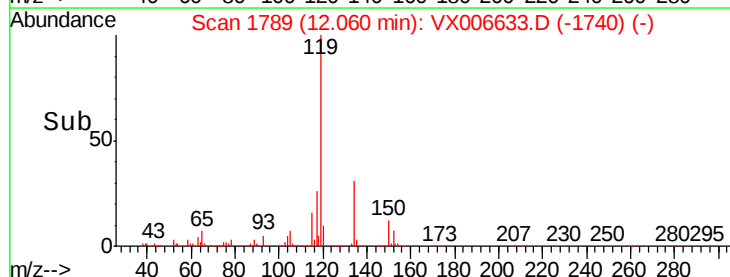
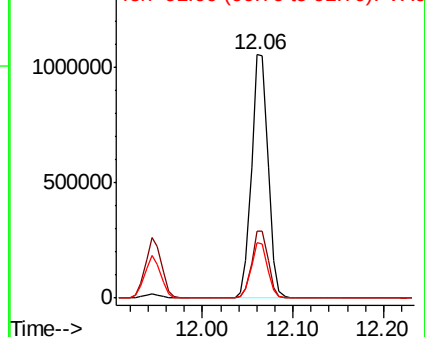
91 22.6 11.3 33.9

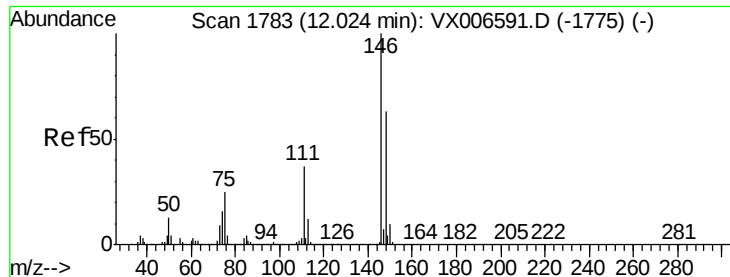


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

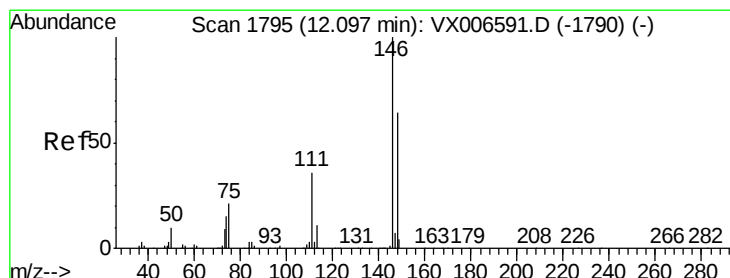
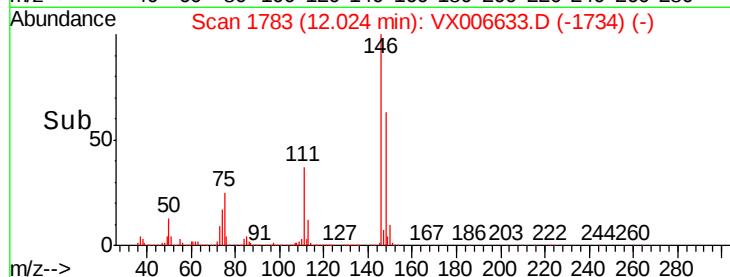
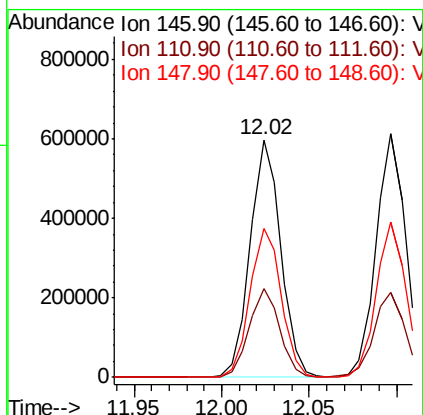
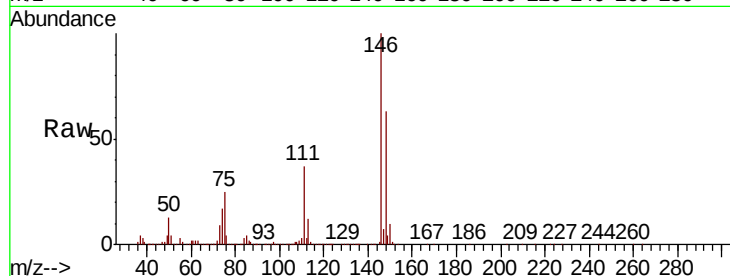




#87
 1,3-Dichlorobenzene
 Concen: 49.647 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006633.D
 Acq: 19 Dec 2018 07:51

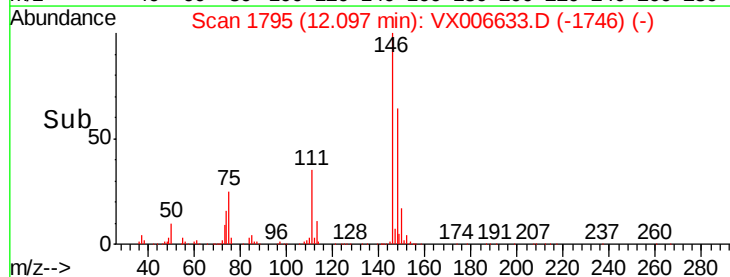
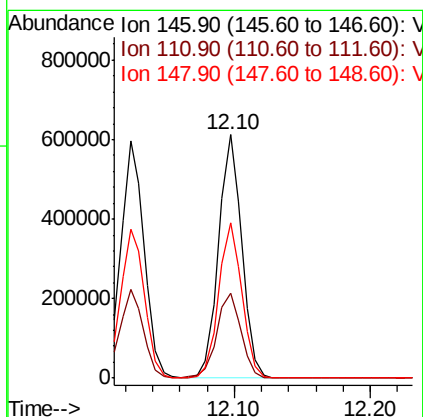
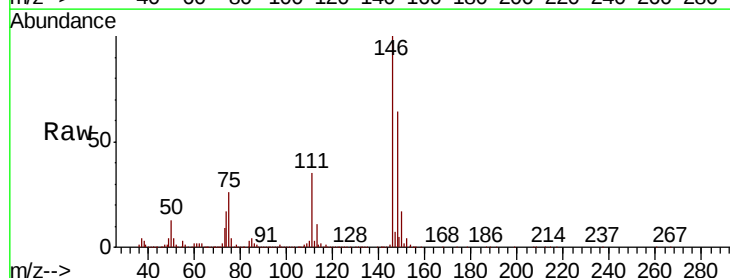
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

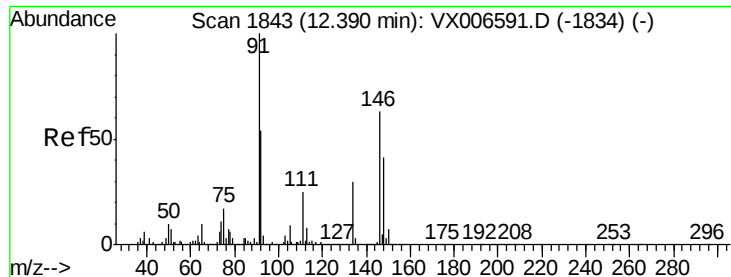
Tot Ion:146 Resp: 727872
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.8
 148 63.8 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 48.146 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006633.D
 Acq: 19 Dec 2018 07:51

Tgt Ion:146 Resp: 723604
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.1 54.1
 148 63.7 31.9 95.9

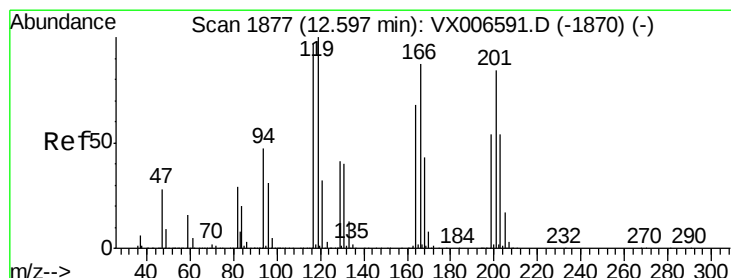
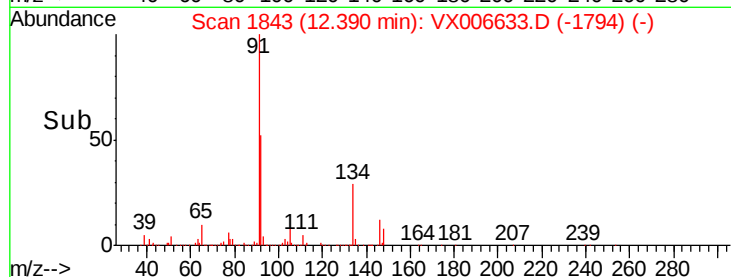
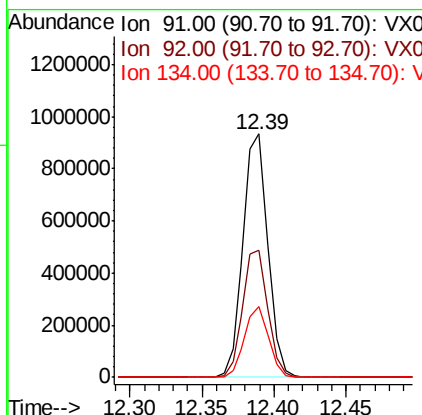
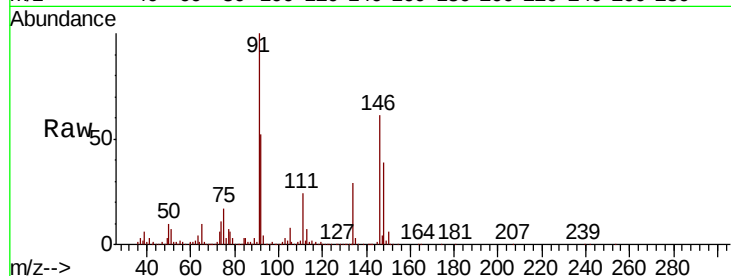




#89
n-Butylbenzene
Concen: 48.945 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

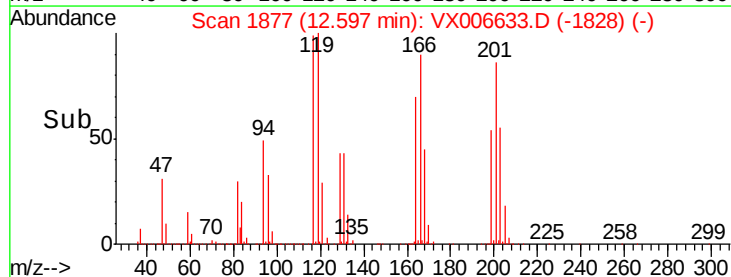
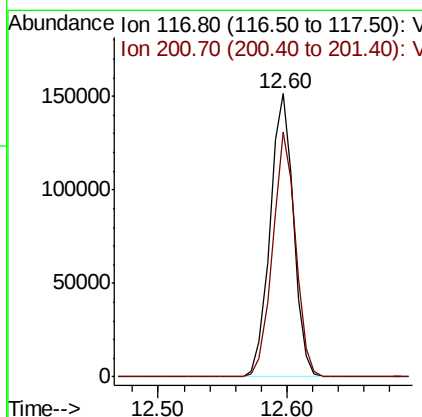
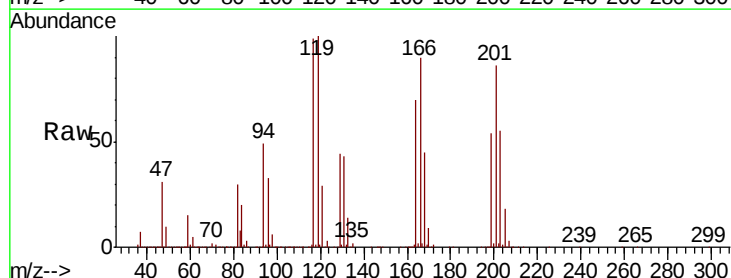
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

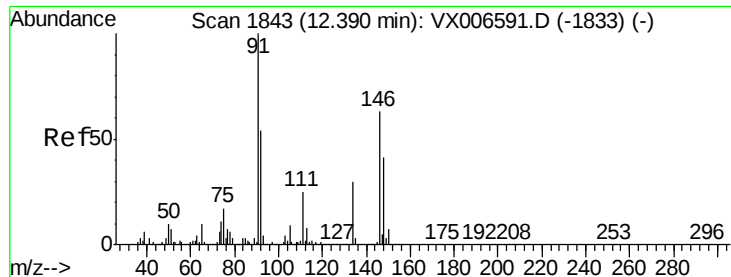
Tot Ion: 91 Resp: 1113563
Ion Ratio Lower Upper
91 100
92 53.0 26.8 80.4
134 28.4 14.4 43.2



#90
Hexachloroethane
Concen: 46.316 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

Tgt Ion: 117 Resp: 192691
Ion Ratio Lower Upper
117 100
201 85.1 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 48.569 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

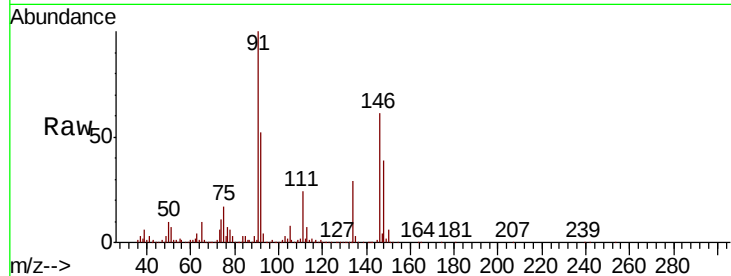
Tot Ion:146 Resp: 712309

Ion Ratio Lower Upper

146 100

111 39.2 19.4 58.2

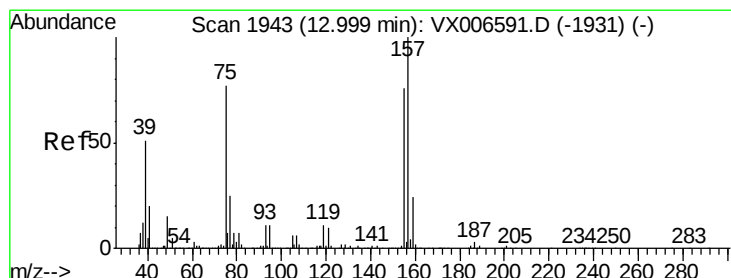
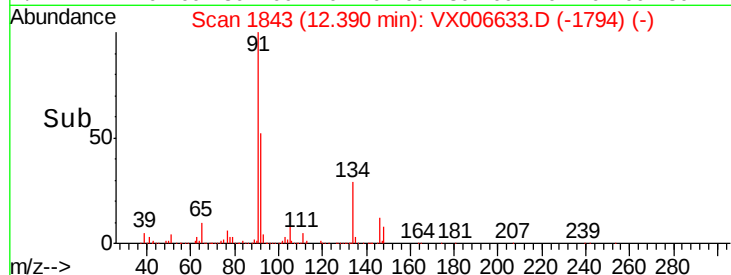
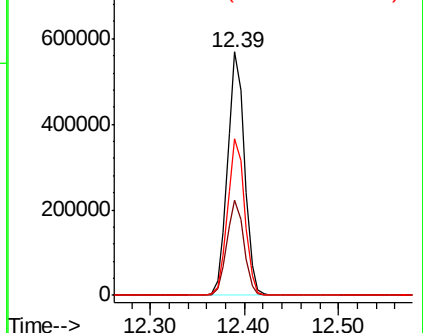
148 64.4 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.048 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX006633.D

Acq: 19 Dec 2018 07:51

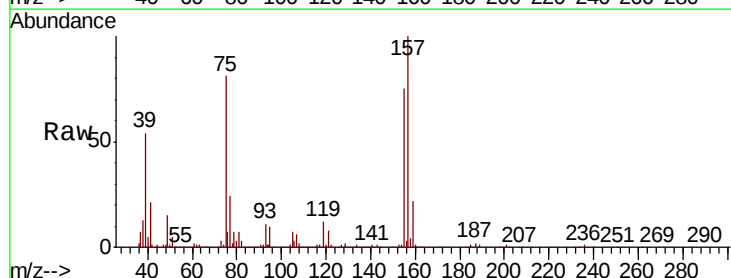
Tgt Ion: 75 Resp: 92668

Ion Ratio Lower Upper

75 100

155 100.5 50.6 151.8

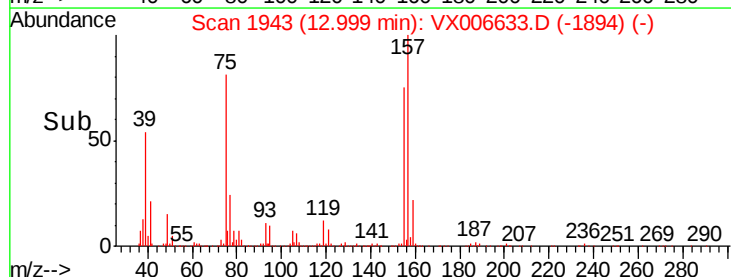
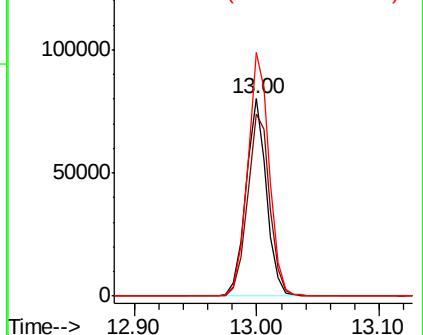
157 130.0 64.6 193.8

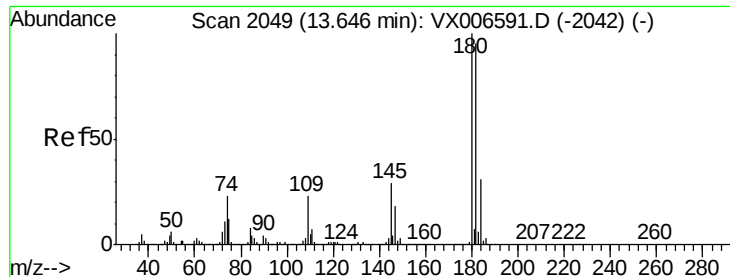


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

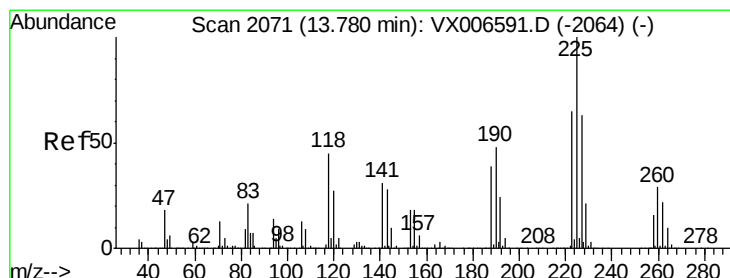
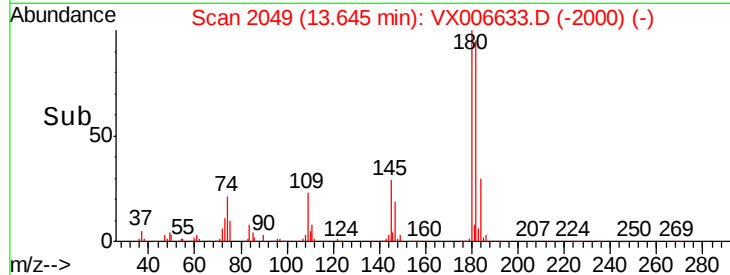
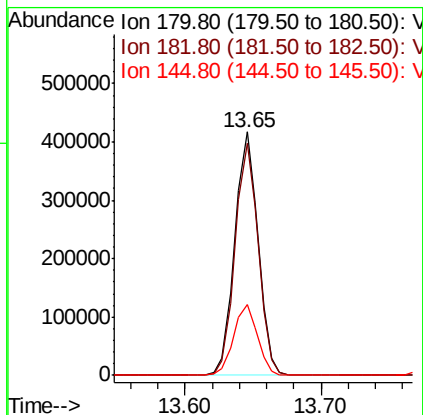
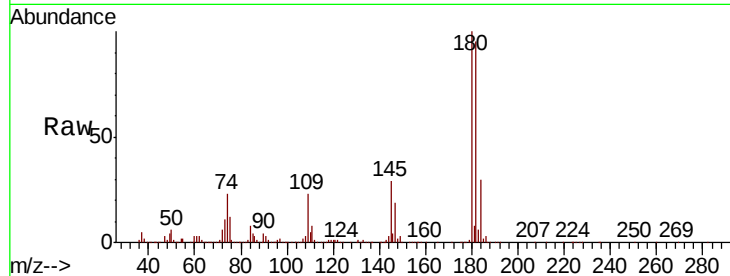




#93
 1,2,4-Trichlorobenzene
 Concen: 49.215 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006633.D
 Acq: 19 Dec 2018 07:51

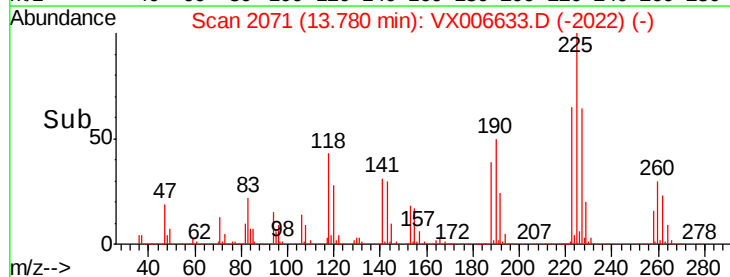
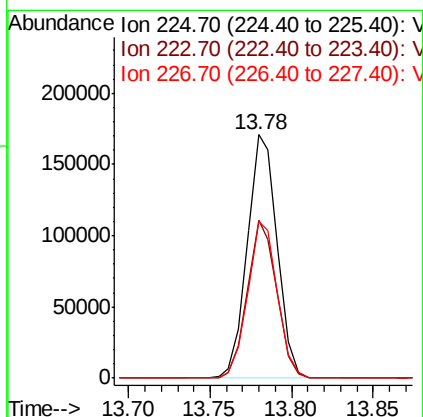
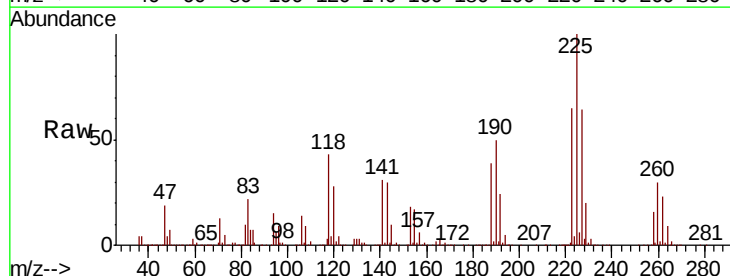
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

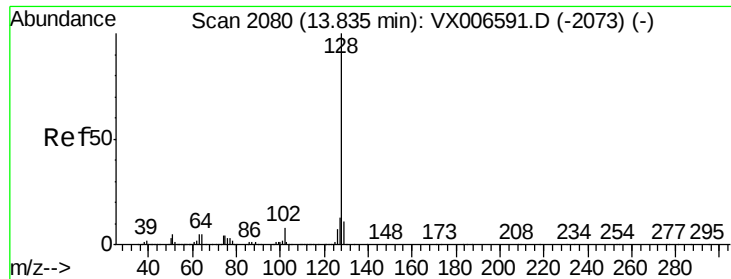
Tot Ion:180 Resp: 497888
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.3 142.0
 145 29.5 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 45.679 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006633.D
 Acq: 19 Dec 2018 07:51

Tgt Ion:225 Resp: 217815
 Ion Ratio Lower Upper
 225 100
 223 63.6 32.1 96.3
 227 63.8 32.3 96.8

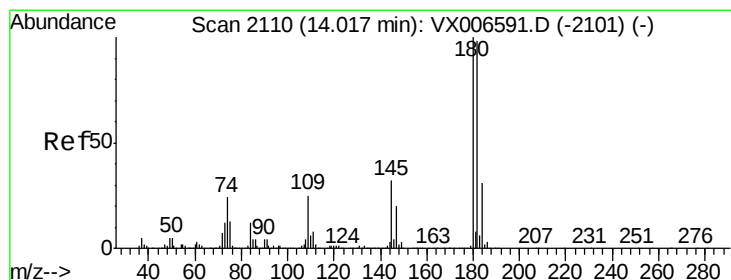
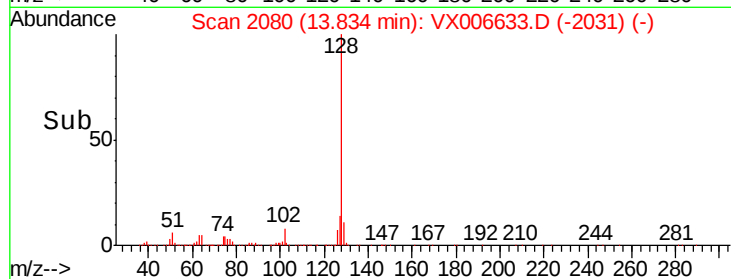
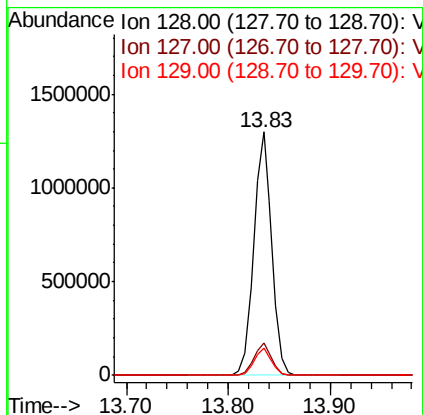
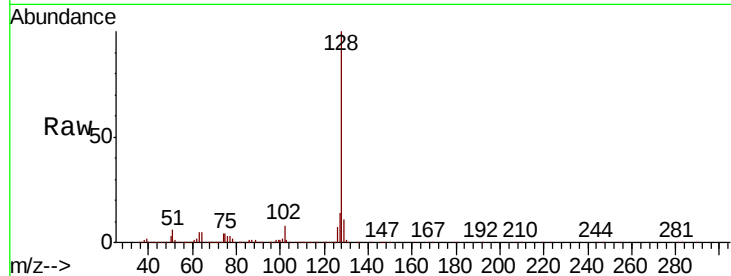




#95
Naphthalene
Concen: 49.446 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1596547
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 47.965 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX006633.D
Acq: 19 Dec 2018 07:51

Tgt Ion:180 Resp: 501007
Ion Ratio Lower Upper
180 100
182 95.9 48.5 145.5
145 31.1 16.0 47.9

