

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021919\
 Data File : VX007619.D
 Acq On : 19 Feb 2019 17:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 20 04:07:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	483251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	701482	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	642833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	355745	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	250338	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	5.50	113	236173	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	8.71	98	843799	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	11.13	95	303654	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	239366	40.343	ug/l	96
3) Chloromethane	1.33	50	238887	43.888	ug/l	100
4) Vinyl Chloride	1.41	62	245888	46.047	ug/l	99
5) Bromomethane	1.64	94	213504	40.342	ug/l	97
6) Chloroethane	1.71	64	169569	49.089	ug/l	99
7) Trichlorofluoromethane	1.93	101	417602	49.992	ug/l	99
8) Diethyl Ether	2.19	74	156218	49.686	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	212130	42.692	ug/l	100
10) Methyl Iodide	2.51	142	277768	38.001	ug/l	100
11) Tert butyl alcohol	3.08	59	262808	247.578	ug/l	98
12) 1,1-Dichloroethene	2.37	96	195323	42.332	ug/l	97
13) Acrolein	2.29	56	127970	257.085	ug/l	88
14) Allyl chloride	2.73	41	362726	48.247	ug/l	99
15) Acrylonitrile	3.15	53	625655	238.257	ug/l	99
16) Acetone	2.45	43	537277	228.667	ug/l	99
17) Carbon Disulfide	2.57	76	460050	38.633	ug/l	99
18) Methyl Acetate	2.78	43	352152	57.434	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	695825	46.549	ug/l	98
20) Methylene Chloride	2.85	84	222732	46.381	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	203071	41.315	ug/l	96
22) Diisopropyl ether	3.87	45	653445	47.252	ug/l	96
23) Vinyl Acetate	3.82	43	2716866	236.752	ug/l	99
24) 1,1-Dichloroethane	3.70	63	365962	46.081	ug/l	99
25) 2-Butanone	4.70	43	827478	247.468	ug/l	98
26) 2,2-Dichloropropane	4.59	77	283060	46.802	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	243364	45.331	ug/l	98
28) Bromochloromethane	5.02	49	162281	44.435	ug/l	97
29) Tetrahydrofuran	5.15	42	532398	253.161	ug/l	99
30) Chloroform	5.21	83	387819	46.798	ug/l	97
31) Cyclohexane	5.57	56	297173	41.664	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	334430	47.809	ug/l	99
36) 1,1-Dichloropropene	5.80	75	272028	43.220	ug/l	99
37) Ethyl Acetate	4.85	43	303973	47.776	ug/l	98
38) Carbon Tetrachloride	5.78	117	291248	47.698	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	327734	43.038	ug/l	99
40) Benzene	6.14	78	839700	45.291	ug/l	98
41) Methacrylonitrile	5.06	41	170597	50.029	ug/l	99
42) 1,2-Dichloroethane	6.20	62	288517	44.977	ug/l	99
43) Isopropyl Acetate	6.46	43	500423	50.957	ug/l	99
44) Trichloroethene	7.21	130	248685	44.536	ug/l	97
45) 1,2-Dichloropropane	7.51	63	222587	47.917	ug/l	97
46) Dibromomethane	7.66	93	154558	45.778	ug/l	98
47) Bromodichloromethane	7.90	83	282508	49.373	ug/l	99
48) Methyl methacrylate	7.77	41	252074	51.316	ug/l	98
49) 1,4-Dioxane	7.75	88	113125	1012.563	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1644137	254.318	ug/l	99
52) Toluene	8.79	92	556073	46.487	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	313887	51.070	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	336328	49.760	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	237590	47.649	ug/l	96
56) Ethyl methacrylate	9.18	69	347477	50.315	ug/l	97
57) 1,3-Dichloropropane	9.37	76	373817	47.142	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	941148	258.555	ug/l	98
59) 2-Hexanone	9.49	43	1223332	243.171	ug/l	99
60) Dibromochloromethane	9.58	129	258860	54.892	ug/l	99
61) 1,2-Dibromoethane	9.67	107	250611	47.460	ug/l	99
64) Tetrachloroethene	9.34	164	252846	41.732	ug/l	99
65) Chlorobenzene	10.14	112	630636	44.956	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	242334	51.526	ug/l	99
67) Ethyl Benzene	10.25	91	1071880	47.449	ug/l	98
68) m/p-Xylenes	10.36	106	841143	93.670	ug/l	100
69) o-Xylene	10.69	106	410702	47.530	ug/l	100
70) Styrene	10.71	104	650809	46.441	ug/l	100
71) Bromoform	10.86	173	198419	48.255	ug/l #	99
73) Isopropylbenzene	11.02	105	1076225	44.519	ug/l	99
74) N-amyl acetate	10.90	43	440451	47.104	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	342975	46.552	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	413160	59.708	ug/l	79
77) Bromobenzene	11.26	156	294082	43.175	ug/l	99
78) n-propylbenzene	11.36	91	1304833	49.222	ug/l	99
79) 2-Chlorotoluene	11.42	91	773651	48.097	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	974106	49.252	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	102810	46.268	ug/l	93
82) 4-Chlorotoluene	11.51	91	900135	48.362	ug/l	99
83) tert-Butylbenzene	11.77	119	951915	48.614	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	994949	49.551	ug/l	99
85) sec-Butylbenzene	11.94	105	1169981	49.367	ug/l	99
86) p-Isopropyltoluene	12.06	119	1058493	49.477	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	548614	44.880	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	560365	45.184	ug/l	99
89) n-Butylbenzene	12.39	91	907930	49.334	ug/l	99
90) Hexachloroethane	12.60	117	173586	54.215	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	553916	45.532	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	83036	54.204	ug/l	97

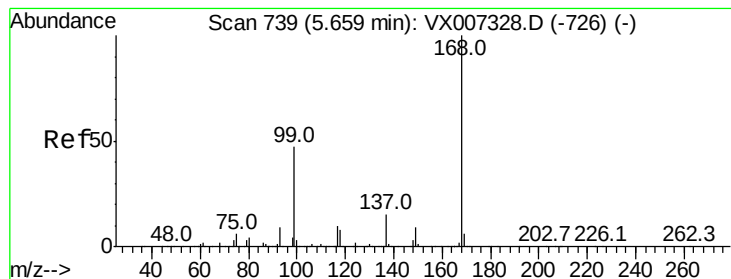
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	386750	47.141	ug/l	98
94) Hexachlorobutadiene	13.78	225	189213	47.496	ug/l	99
95) Naphthalene	13.83	128	1196874	49.887	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	385957	46.736	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: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

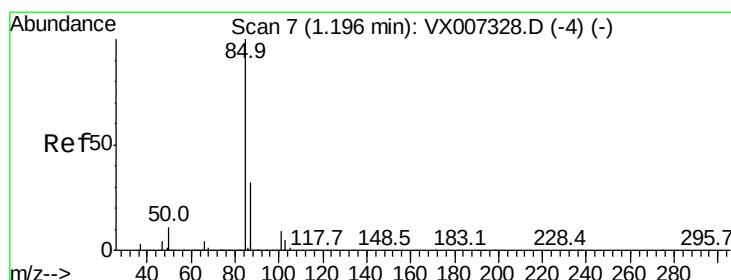
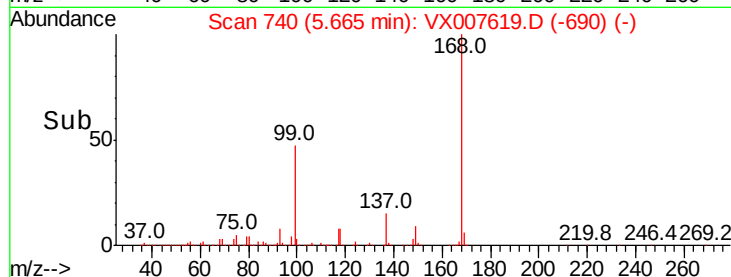
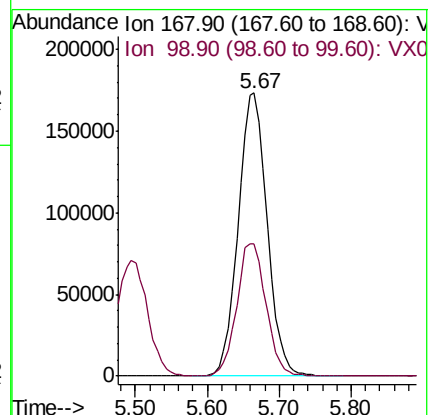
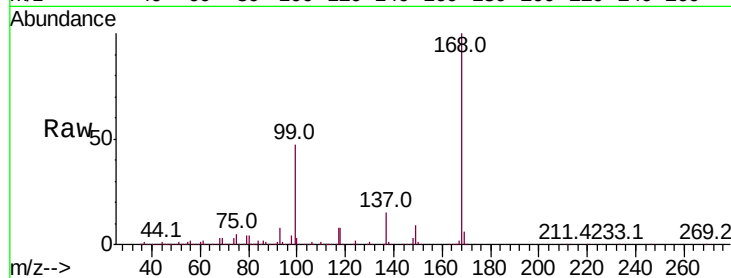
VSTDCCC050EC

Tot Ion:168 Resp: 483251

Ion Ratio Lower Upper

168 100

99 46.6 37.9 56.9



#2

Dichlorodifluoromethane

Concen: 40.343 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007619.D

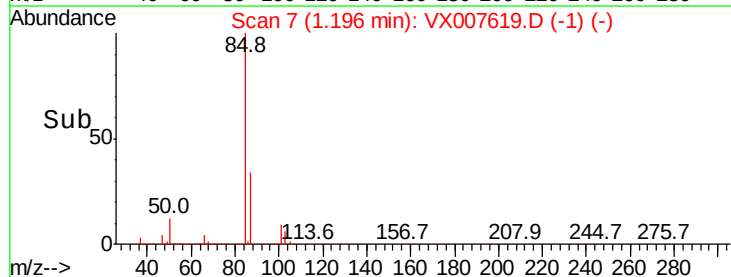
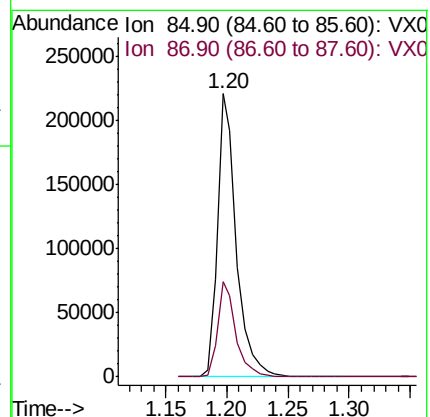
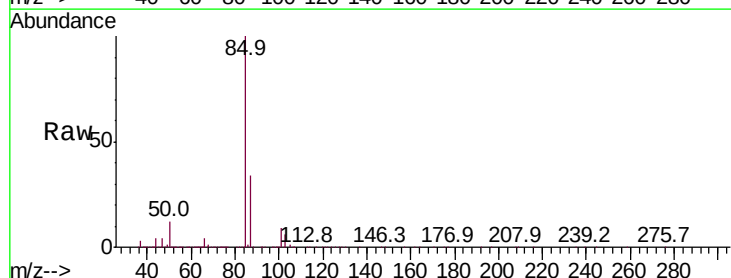
Acq: 19 Feb 2019 17:50

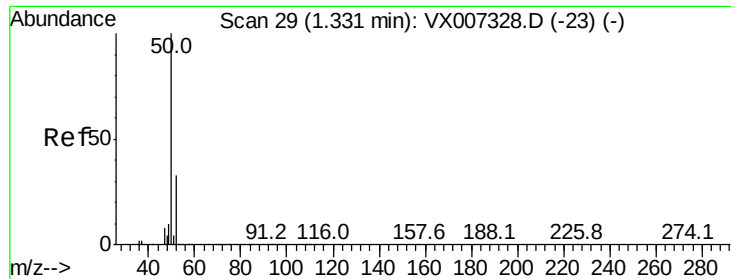
Tgt Ion: 85 Resp: 239366

Ion Ratio Lower Upper

85 100

87 33.7 15.8 47.4





#3

Chloromethane

Concen: 43.888 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

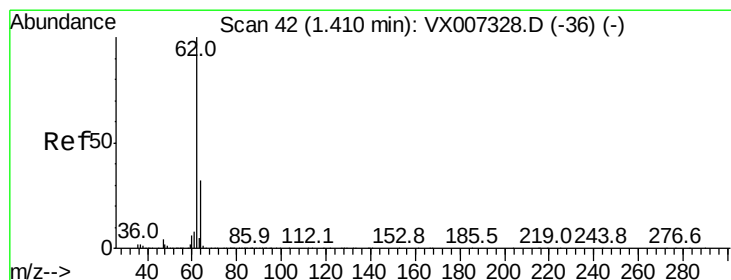
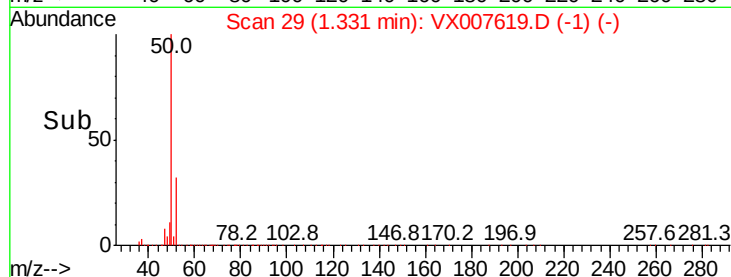
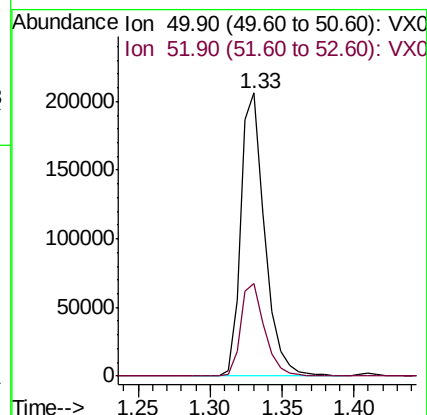
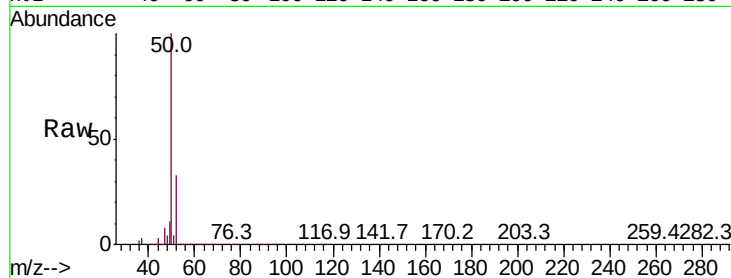
VSTDCCC050EC

Tot Ion: 50 Resp: 238887

Ion Ratio Lower Upper

50 100

52 32.5 26.1 39.1



#4

Vinyl Chloride

Concen: 46.047 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007619.D

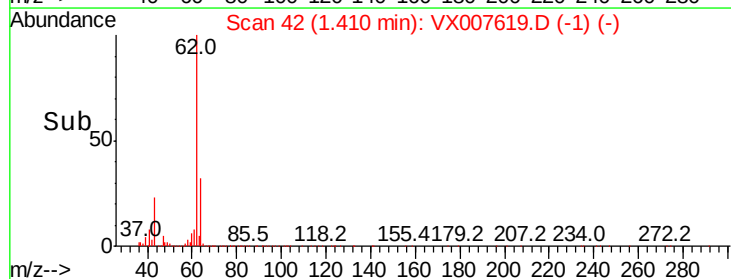
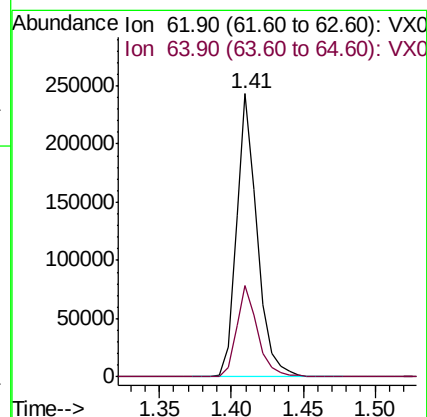
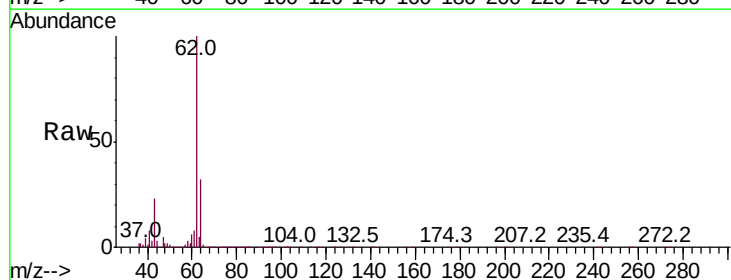
Acq: 19 Feb 2019 17:50

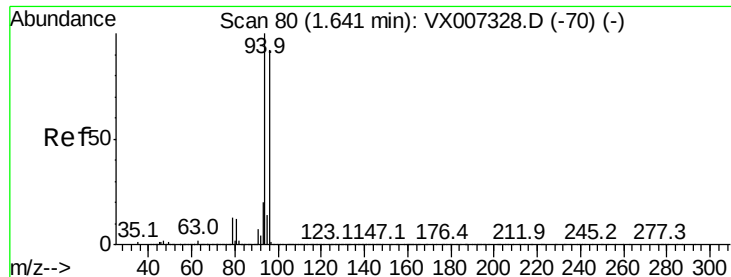
Tgt Ion: 62 Resp: 245888

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 40.342 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

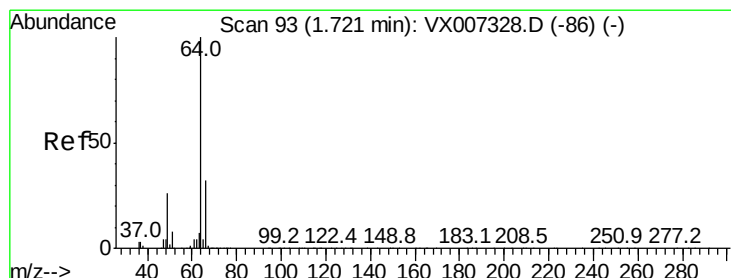
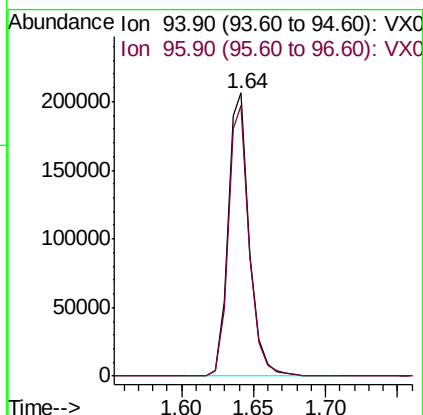
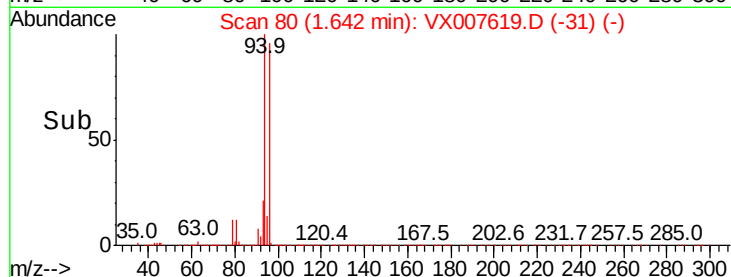
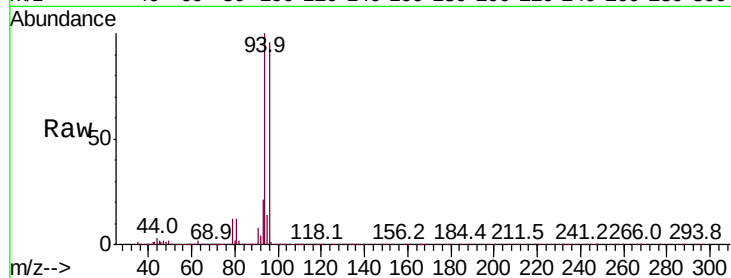
VSTDCCC050EC

Tot Ion: 94 Resp: 213504

Ion Ratio Lower Upper

94 100

96 95.7 73.9 110.9



#6

Chloroethane

Concen: 49.089 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007619.D

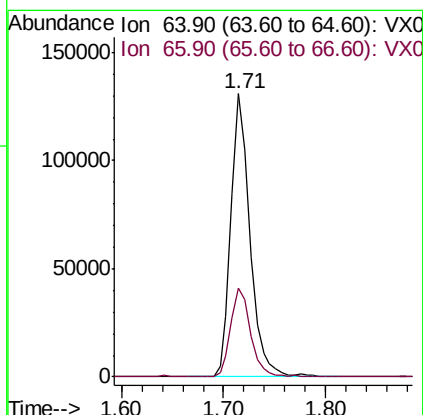
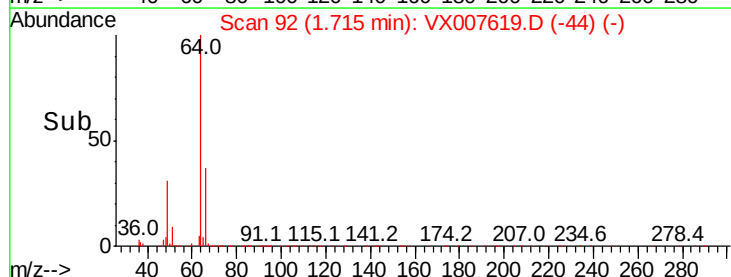
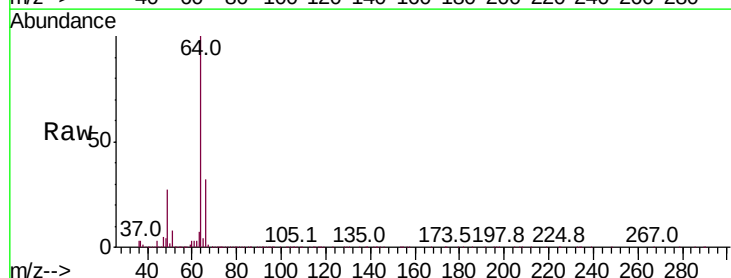
Acq: 19 Feb 2019 17:50

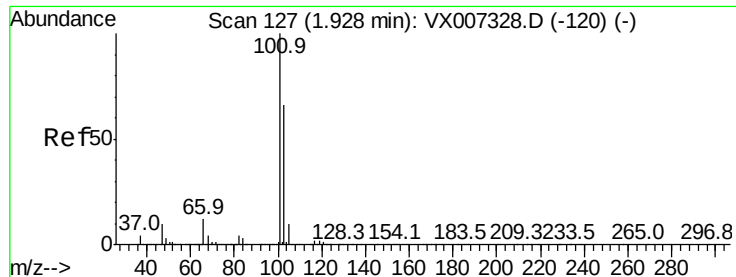
Tgt Ion: 64 Resp: 169569

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3



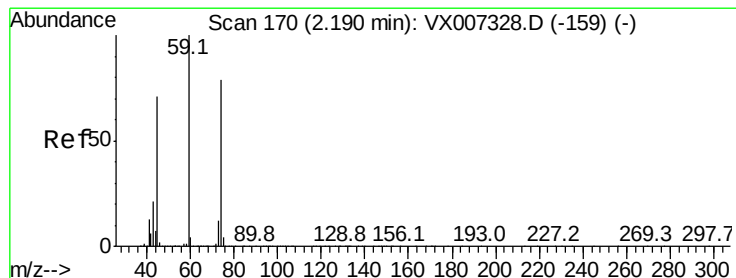
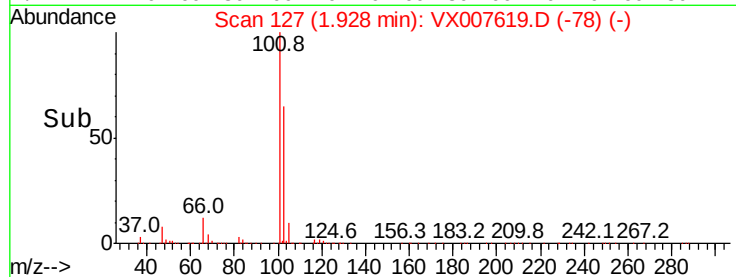
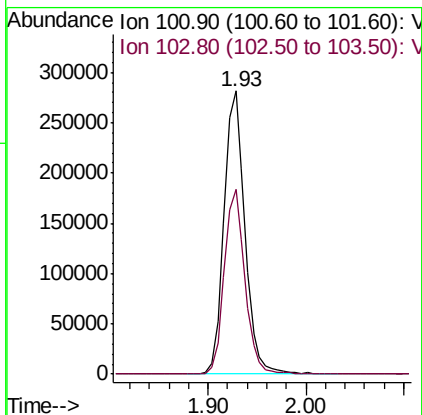
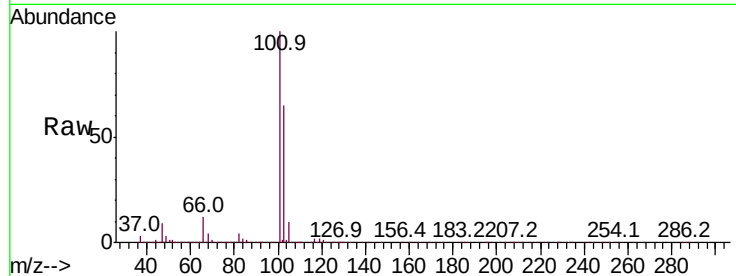


#7

Trichlorofluoromethane
Concen: 49.992 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007619.D
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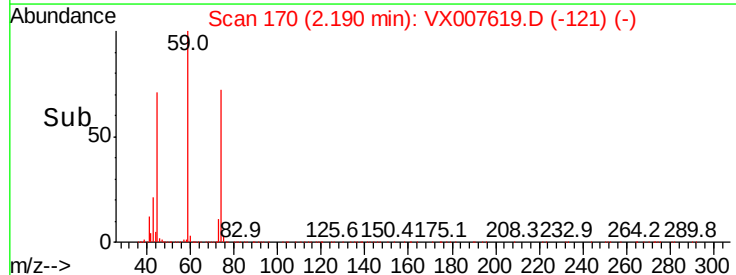
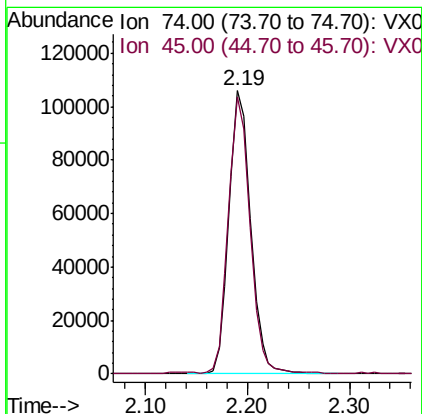
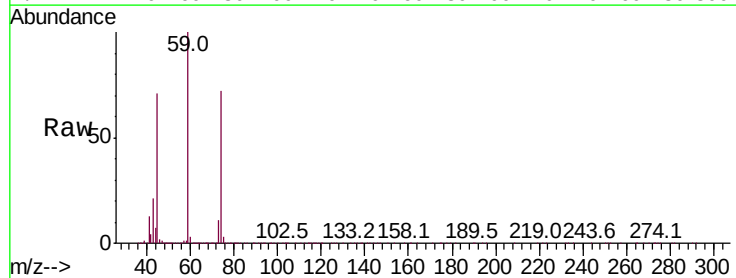
Tot Ion:101 Resp: 417602
Ion Ratio Lower Upper
101 100
103 65.1 52.6 79.0

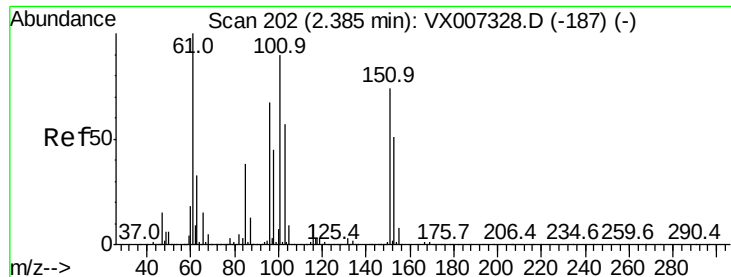


#8

Diethyl Ether
Concen: 49.686 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion: 74 Resp: 156218
Ion Ratio Lower Upper
74 100
45 97.4 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.692 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

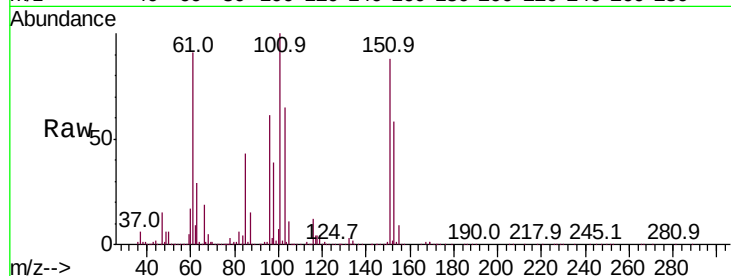
Tot Ion:101 Resp: 212130

Ion Ratio Lower Upper

101 100

85 43.4 34.1 51.1

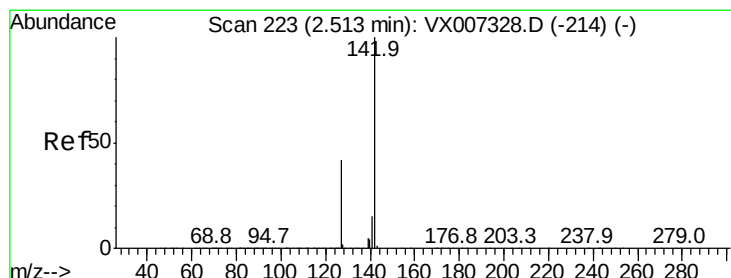
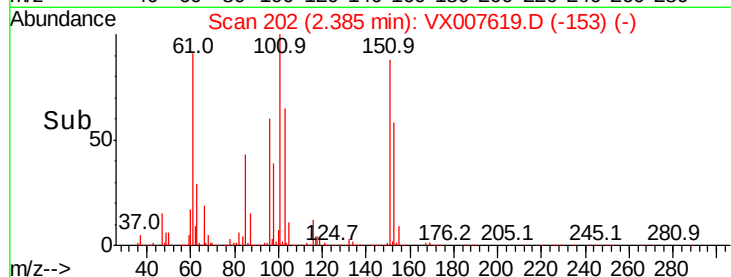
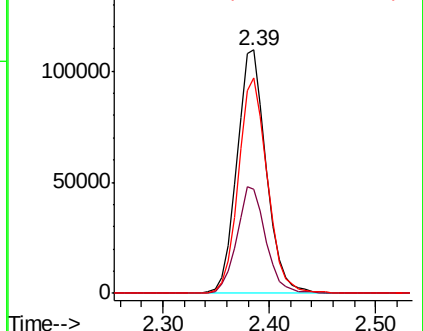
151 87.5 69.9 104.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 38.001 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

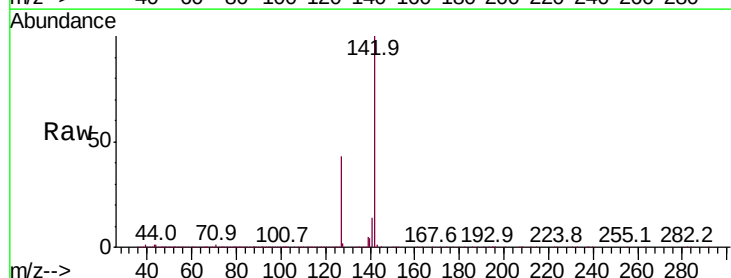
Tgt Ion:142 Resp: 277768

Ion Ratio Lower Upper

142 100

127 42.2 33.7 50.5

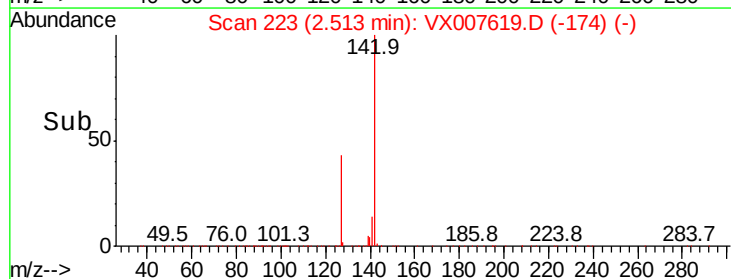
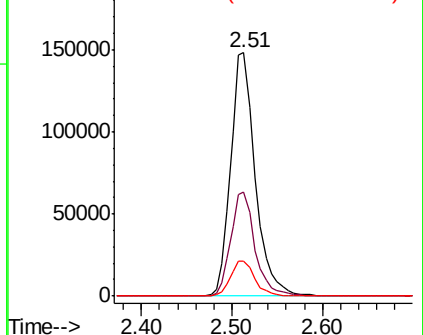
141 14.3 11.3 16.9

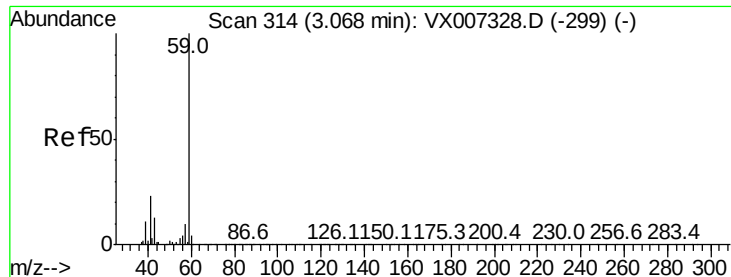


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



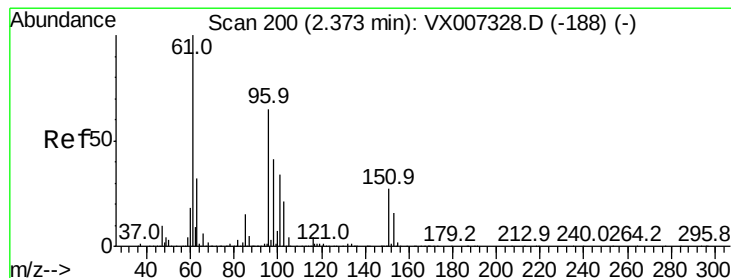
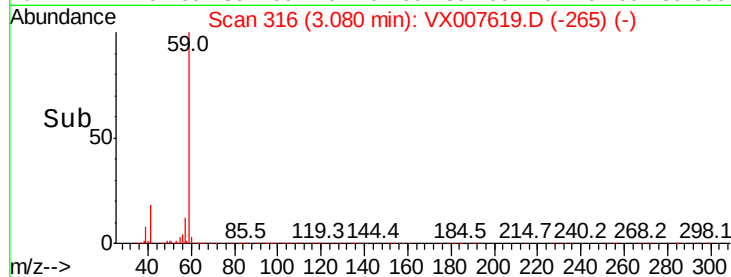
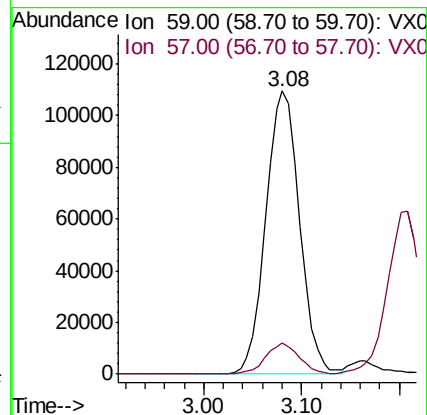
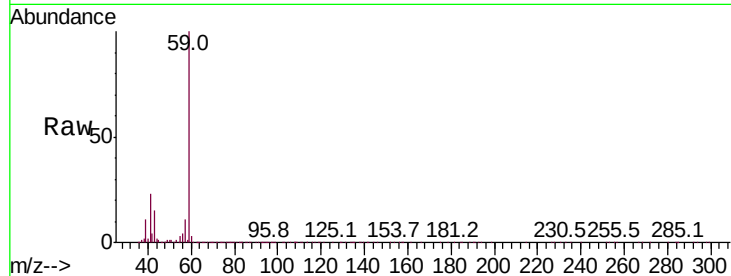


#11

Tert butyl alcohol
Concen: 247.578 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

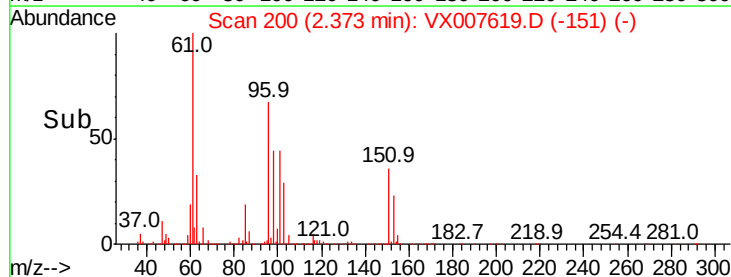
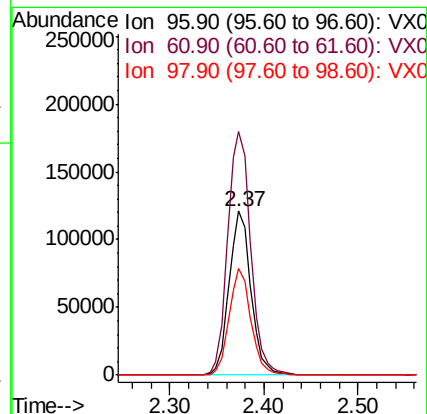
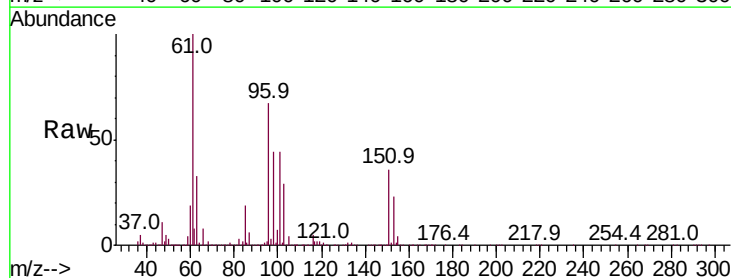
Tot Ion: 59 Resp: 262808
Ion Ratio Lower Upper
59 100
57 10.7 8.1 12.1

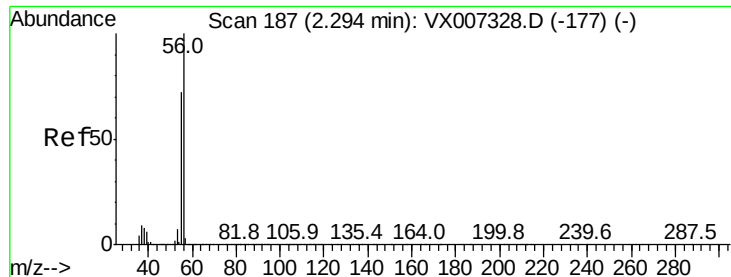


#12

1,1-Dichloroethene
Concen: 42.332 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion: 96 Resp: 195323
Ion Ratio Lower Upper
96 100
61 148.5 123.0 184.4
98 65.1 50.9 76.3





#13

Acrolein

Concen: 257.085 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

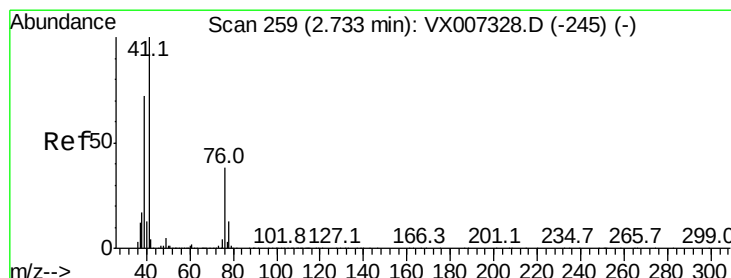
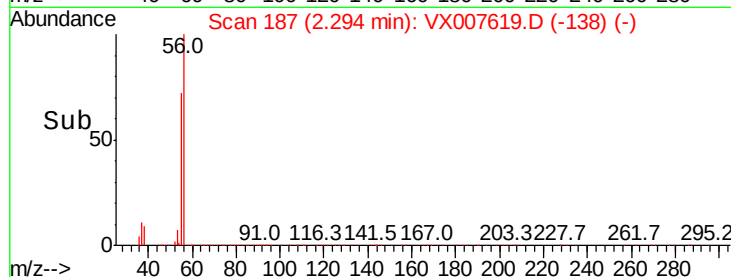
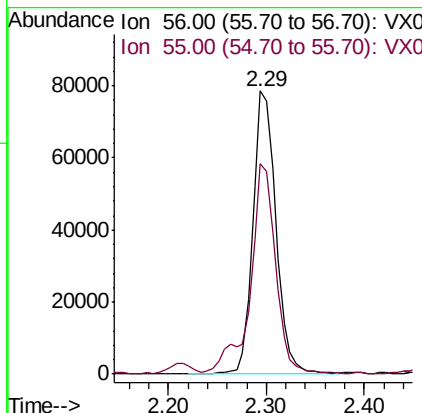
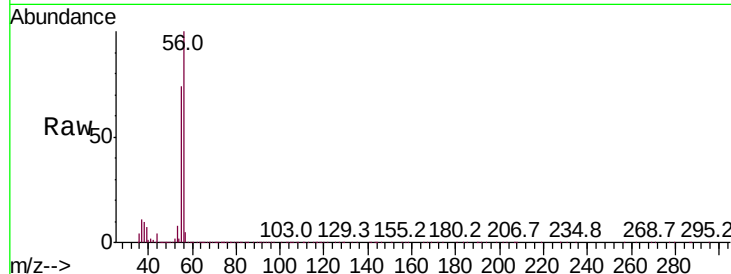
VSTDCCC050EC

Tot Ion: 56 Resp: 127970

Ion Ratio Lower Upper

56 100

55 81.1 56.9 85.3



#14

Allyl chloride

Concen: 48.247 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

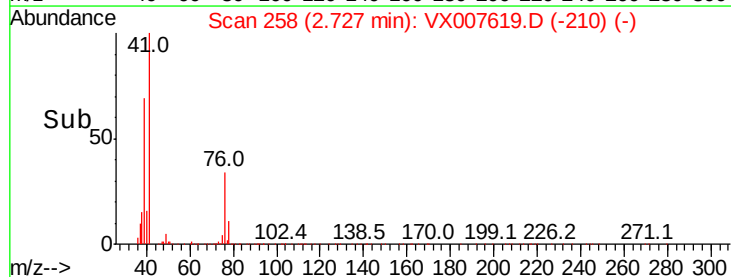
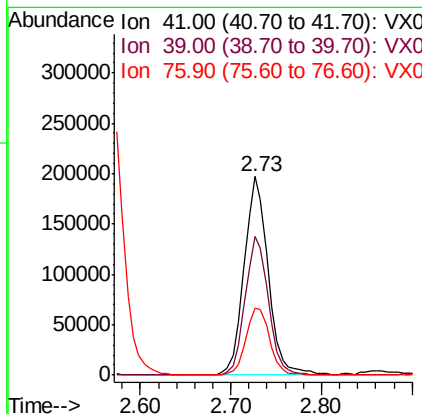
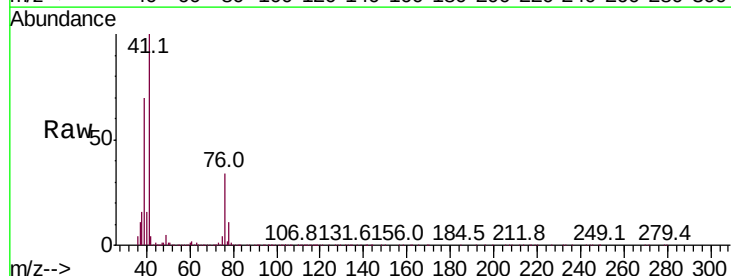
Tgt Ion: 41 Resp: 362726

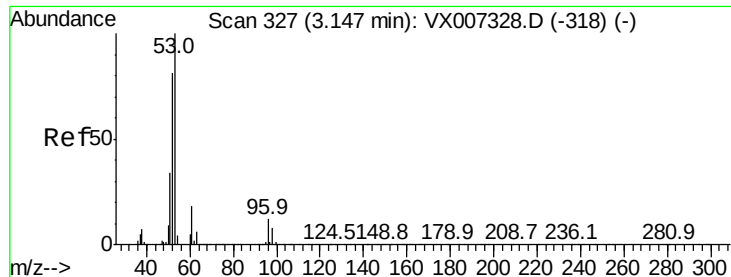
Ion Ratio Lower Upper

41 100

39 67.1 54.1 81.1

76 33.3 27.8 41.8





#15

Acrylonitrile

Concen: 238.257 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

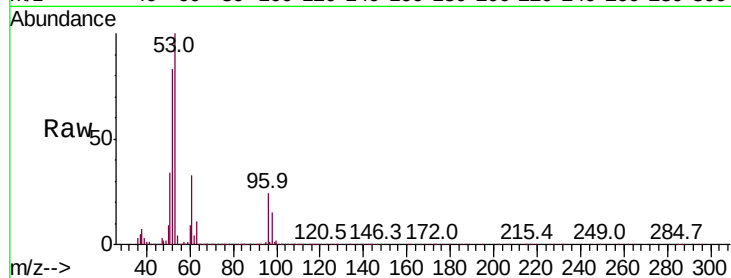
Tot Ion: 53 Resp: 625655

Ion Ratio Lower Upper

53 100

52 82.1 66.4 99.6

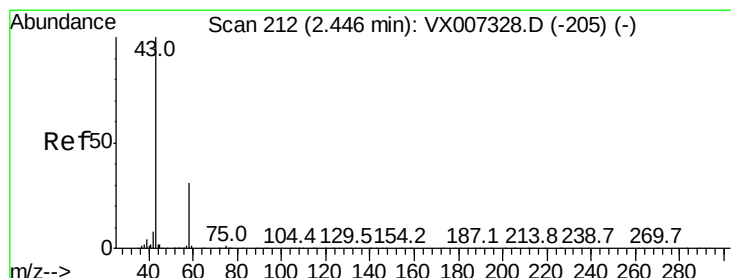
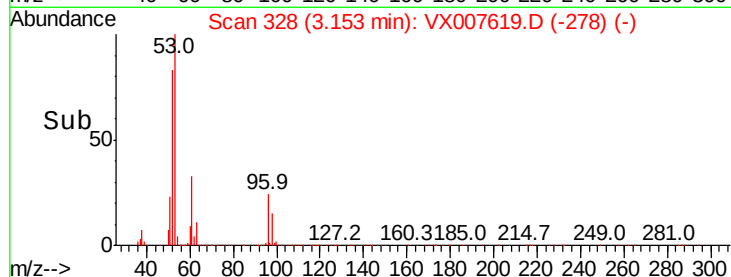
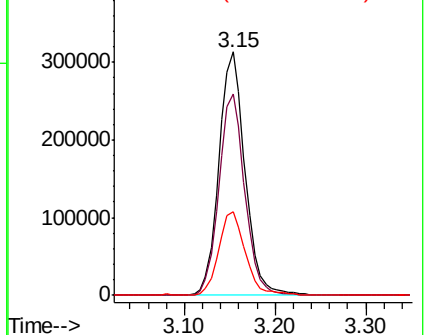
51 35.4 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 228.667 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007619.D

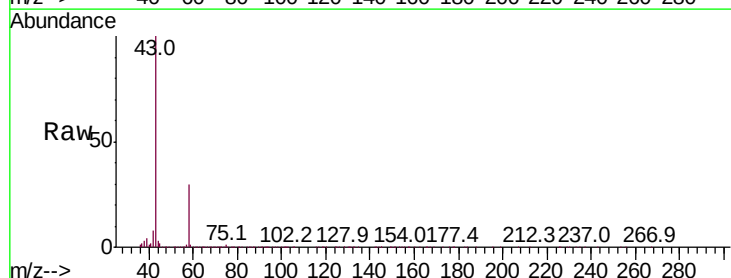
Acq: 19 Feb 2019 17:50

Tgt Ion: 43 Resp: 537277

Ion Ratio Lower Upper

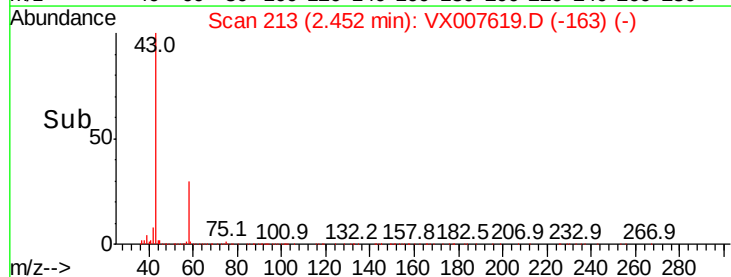
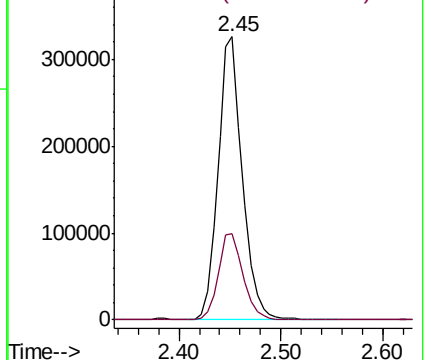
43 100

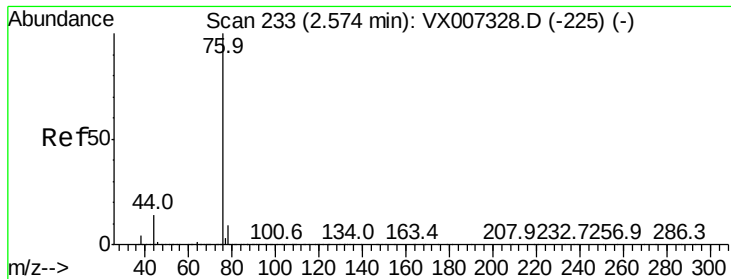
58 30.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 38.633 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

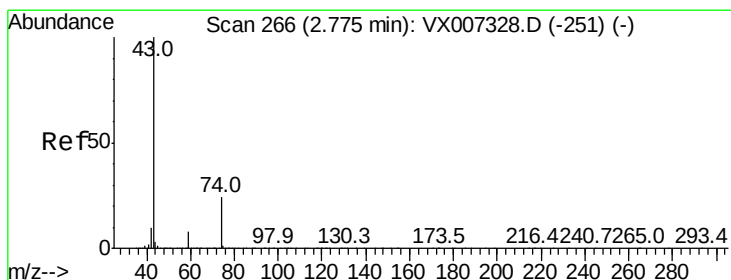
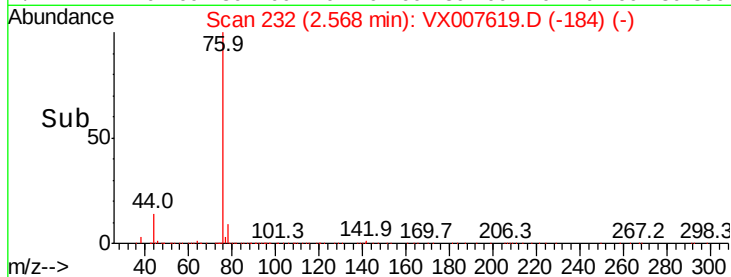
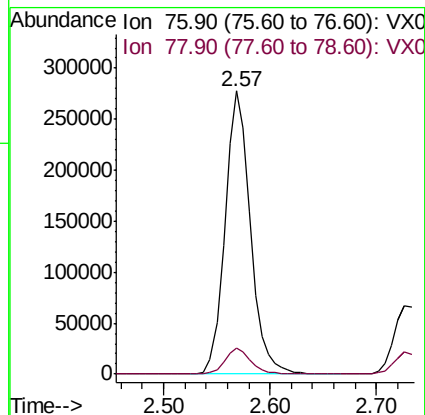
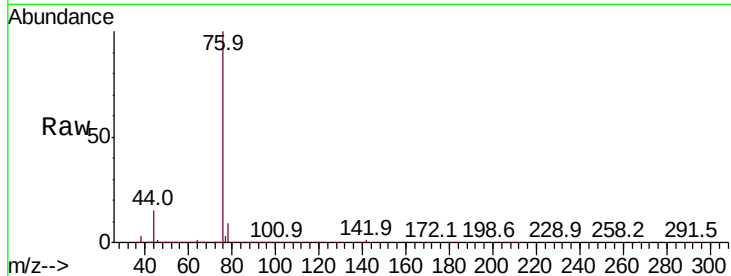
VSTDCCC050EC

Tot Ion: 76 Resp: 460050

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



#18

Methyl Acetate

Concen: 57.434 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007619.D

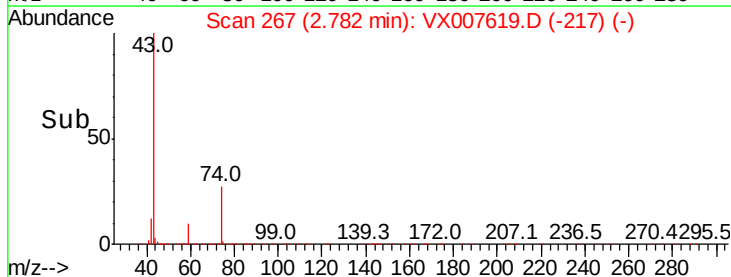
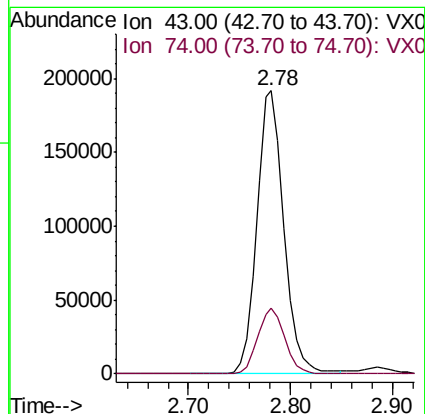
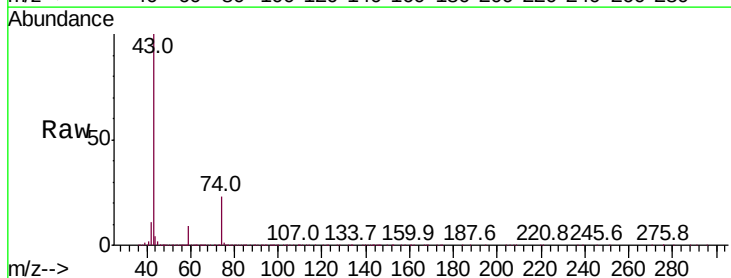
Acq: 19 Feb 2019 17:50

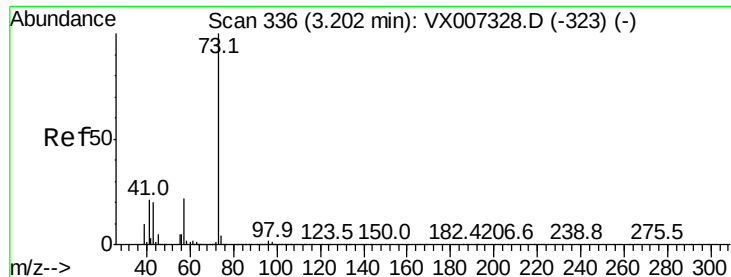
Tgt Ion: 43 Resp: 352152

Ion Ratio Lower Upper

43 100

74 23.6 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 46.549 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

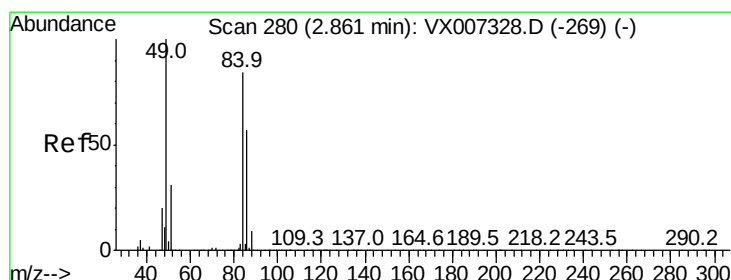
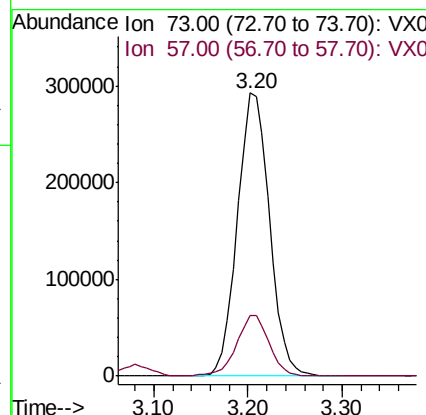
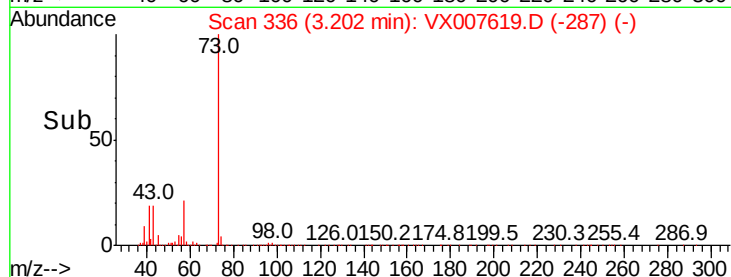
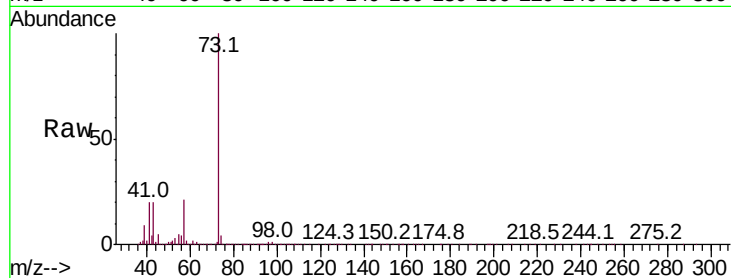
Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 695825

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.8	26.8



#20

Methylene Chloride

Concen: 46.381 ug/l

RT: 2.85 min Scan# 279

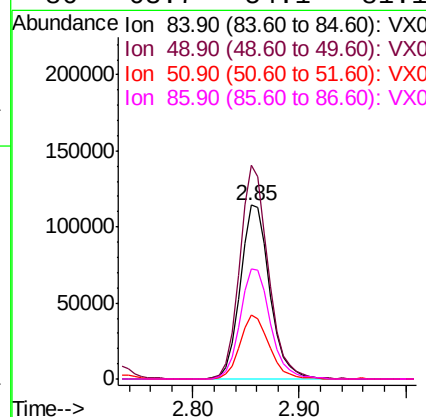
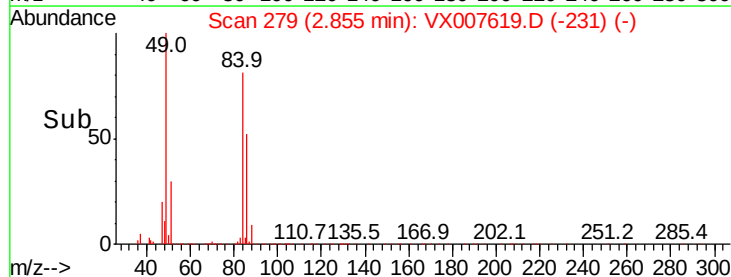
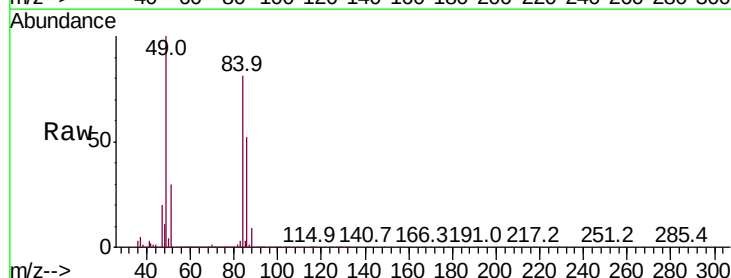
Delta R.T. -0.01 min

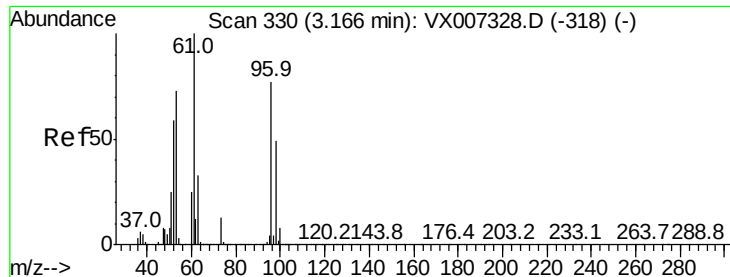
Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion: 84 Resp: 222732

Ion	Ratio	Lower	Upper
84	100		
49	122.9	94.8	142.2
51	37.1	29.8	44.8
86	63.7	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 41.315 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

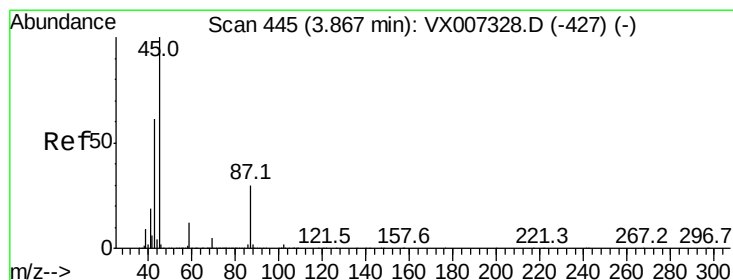
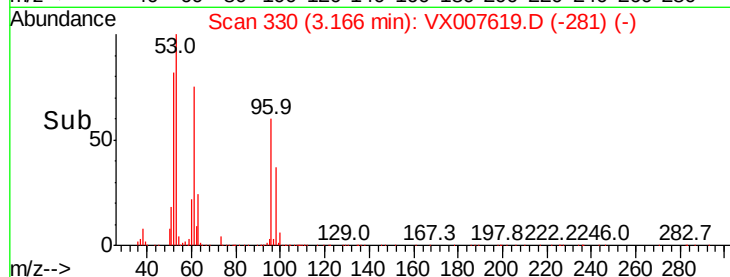
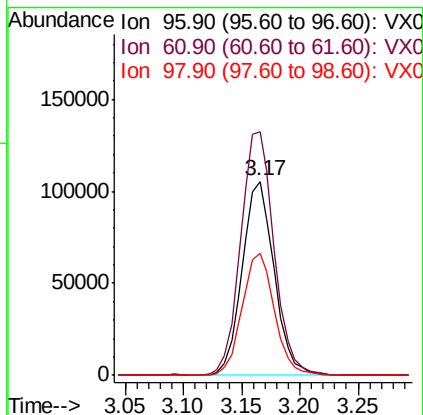
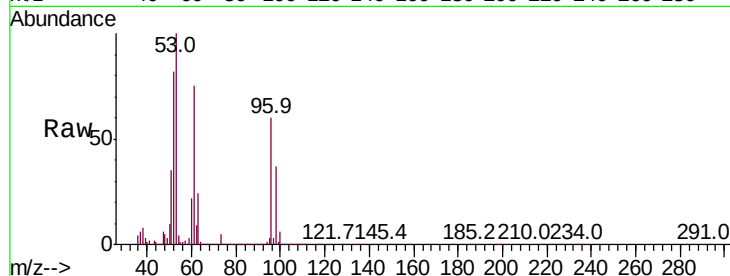
Tot Ion: 96 Resp: 203071

Ion Ratio Lower Upper

96 100

61 125.2 104.6 156.8

98 62.8 51.0 76.4



#22

Diisopropyl ether

Concen: 47.252 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion: 45 Resp: 653445

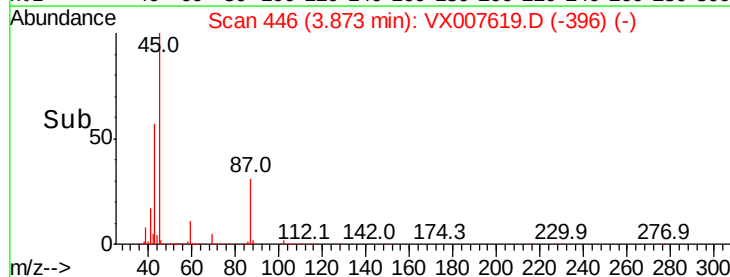
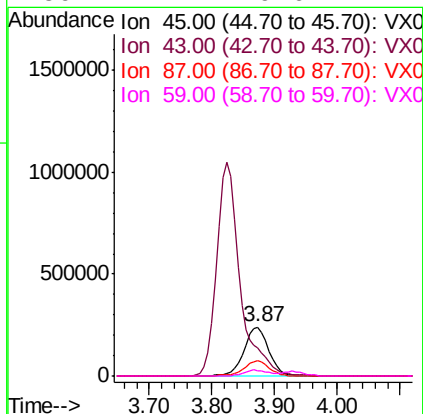
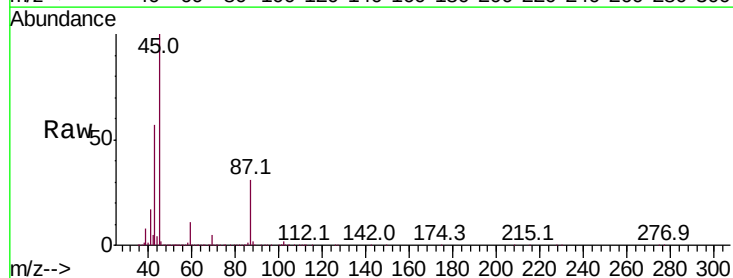
Ion Ratio Lower Upper

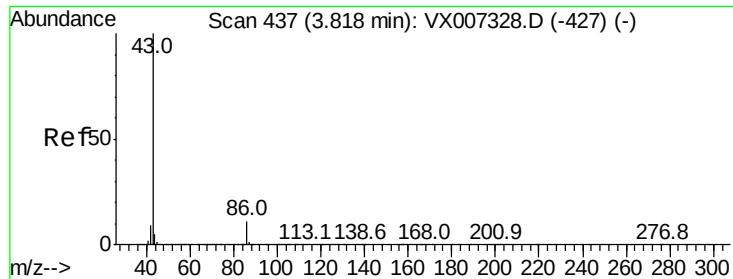
45 100

43 56.8 48.9 73.3

87 31.1 23.9 35.9

59 11.1 9.6 14.4





#23

Vinyl Acetate

Concen: 236.752 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

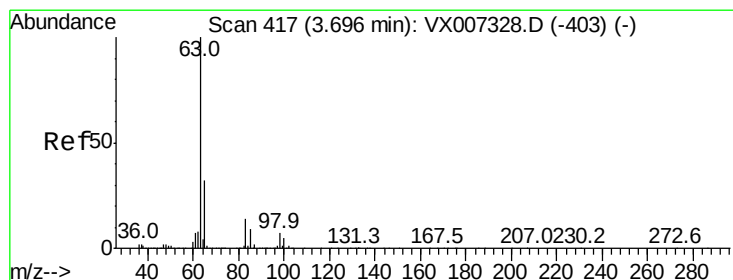
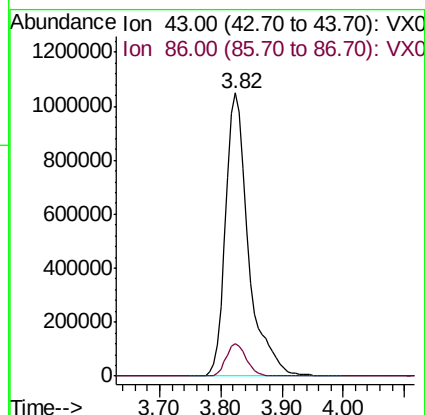
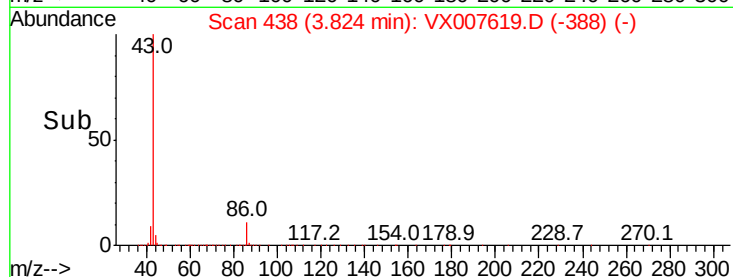
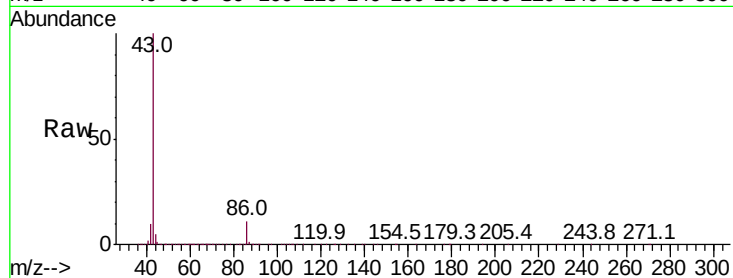
VSTDCCC050EC

Tot Ion: 43 Resp: 2716866

Ion Ratio Lower Upper

43 100

86 11.4 8.7 13.1



#24

1,1-Dichloroethane

Concen: 46.081 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

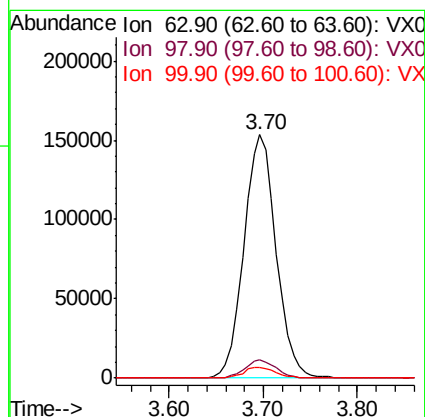
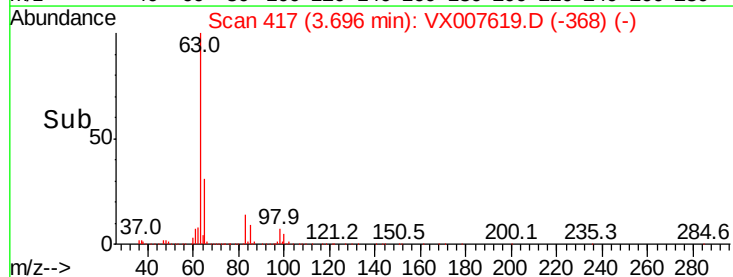
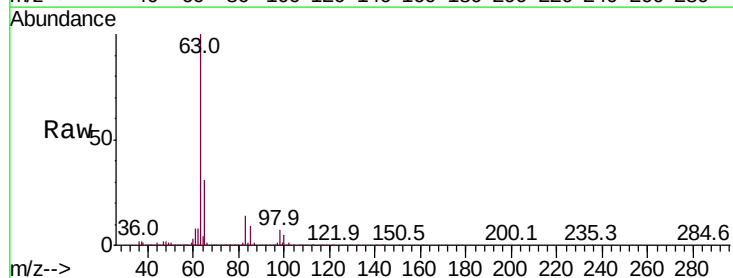
Tgt Ion: 63 Resp: 365962

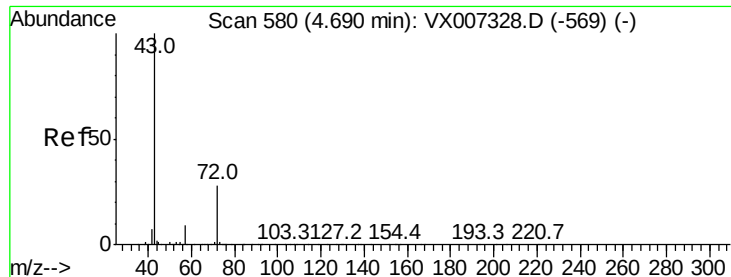
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 247.468 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

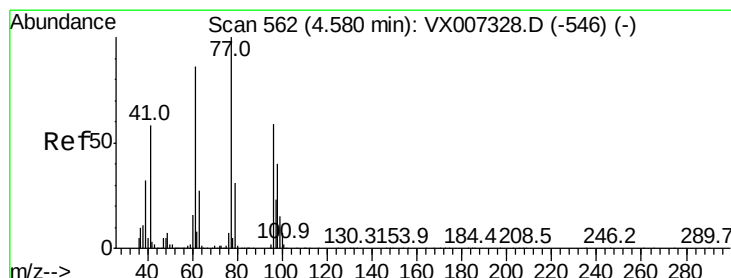
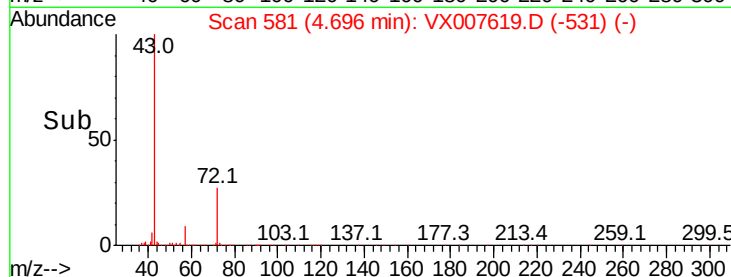
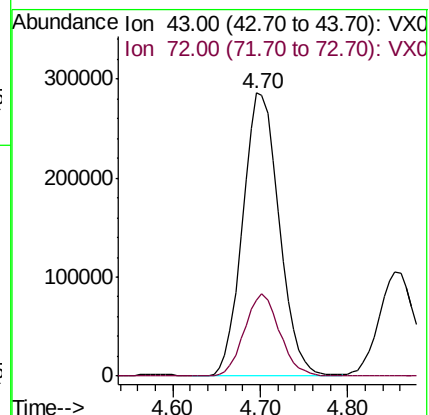
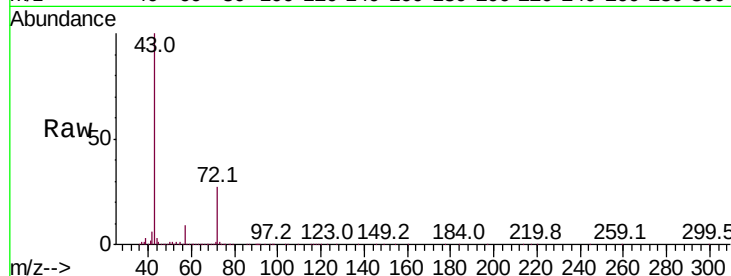
VSTDCCC050EC

Tot Ion: 43 Resp: 827478

Ion Ratio Lower Upper

43 100

72 26.8 22.2 33.2



#26

2,2-Dichloropropane

Concen: 46.802 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007619.D

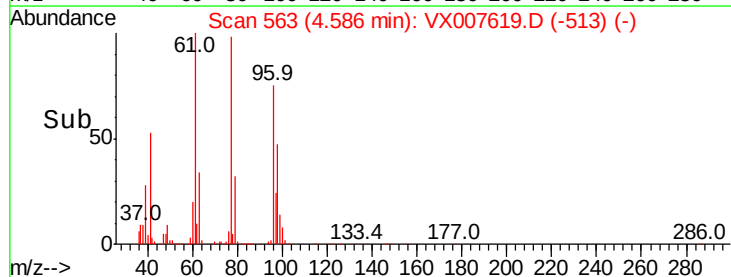
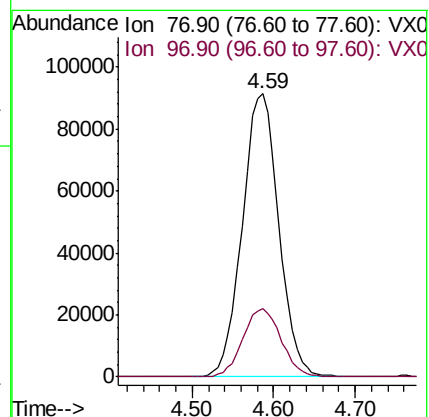
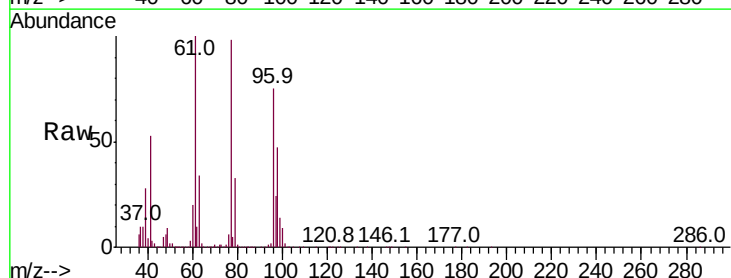
Acq: 19 Feb 2019 17:50

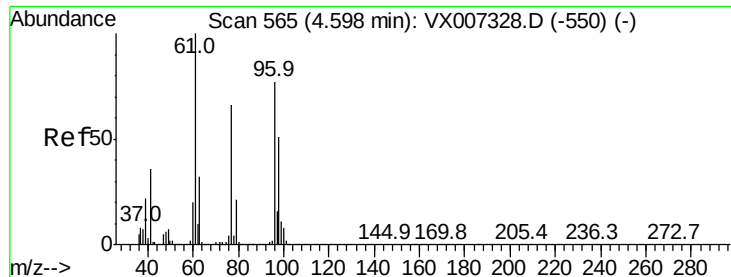
Tgt Ion: 77 Resp: 283060

Ion Ratio Lower Upper

77 100

97 25.3 12.1 36.3



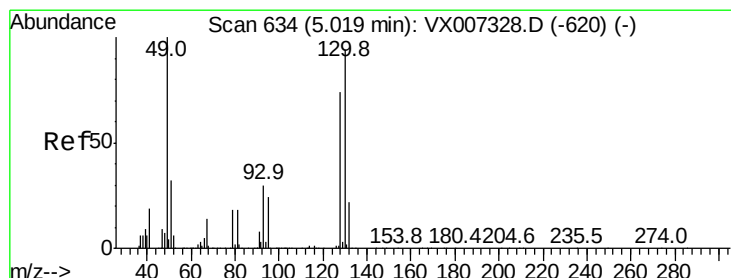
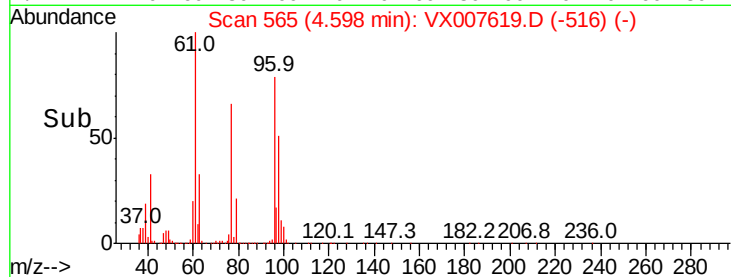
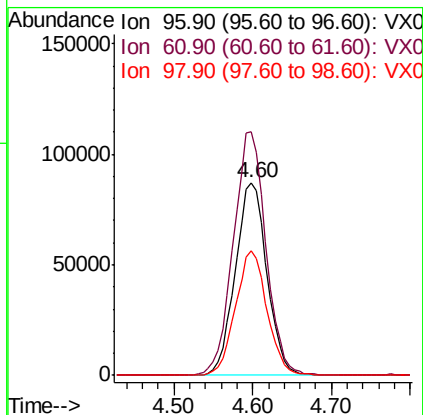
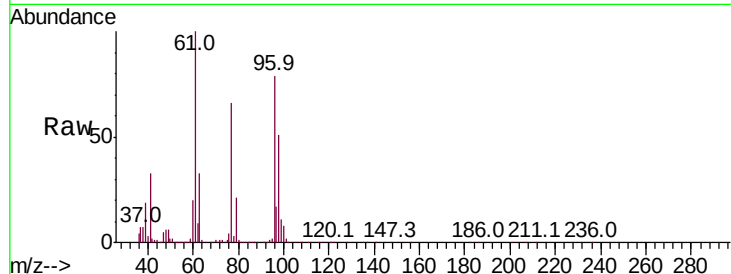


#27

cis-1,2-Dichloroethene
Concen: 45.331 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

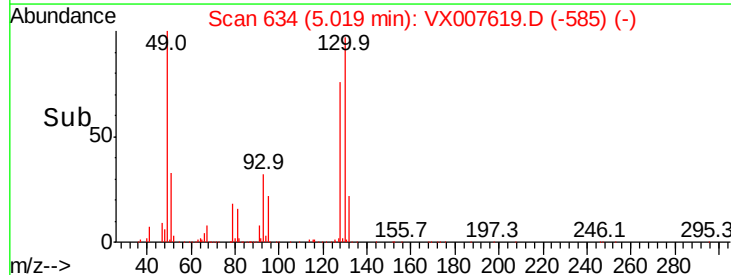
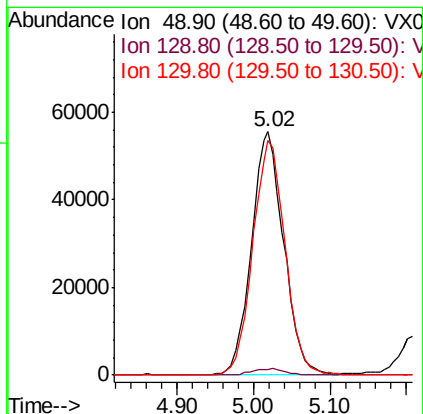
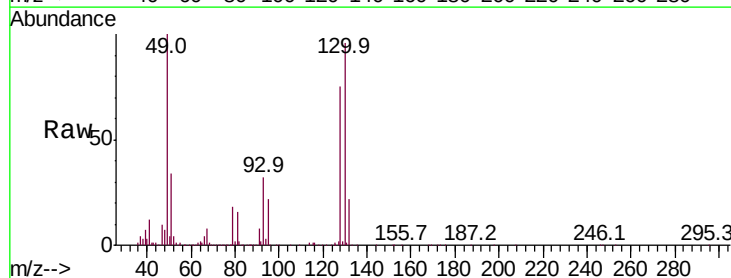
Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	265.6
98	64.6	0.0	131.6

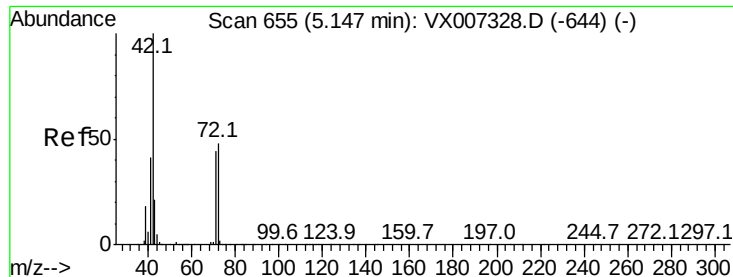


#28

Bromochloromethane
Concen: 44.435 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.6
130	97.0	75.6	113.4





#29

Tetrahydrofuran

Concen: 253.161 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

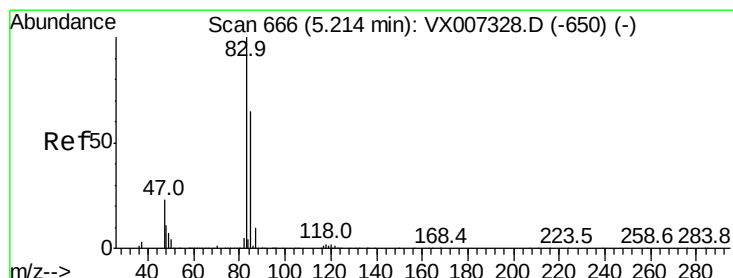
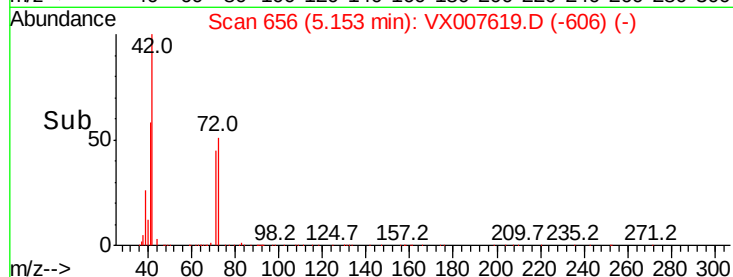
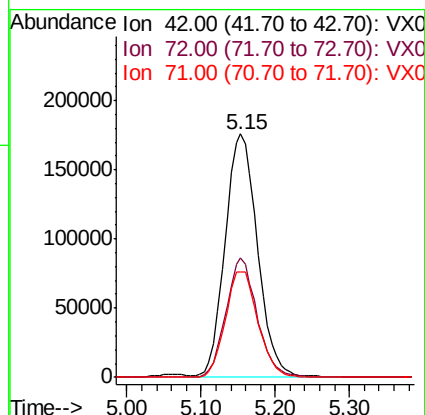
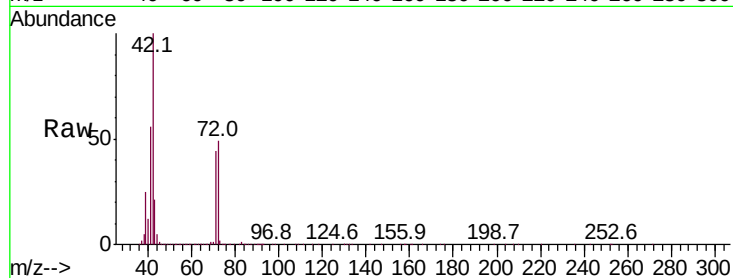
Tot Ion: 42 Resp: 532398

Ion Ratio Lower Upper

42 100

72 47.5 37.6 56.4

71 44.2 34.6 51.8



#30

Chloroform

Concen: 46.798 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007619.D

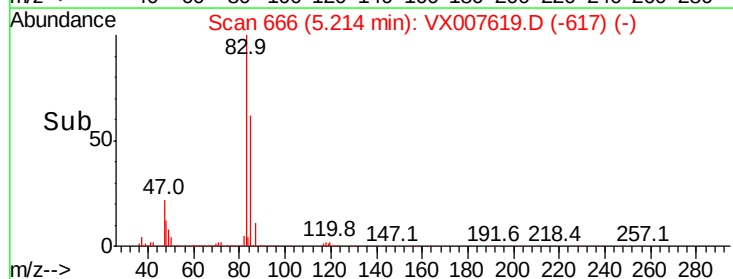
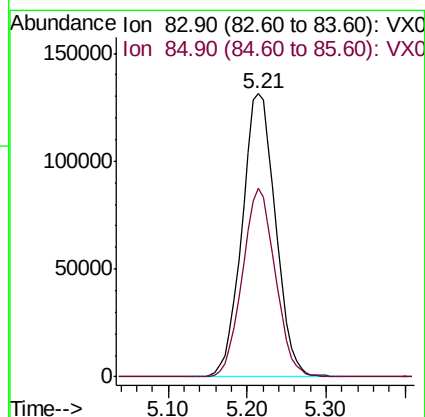
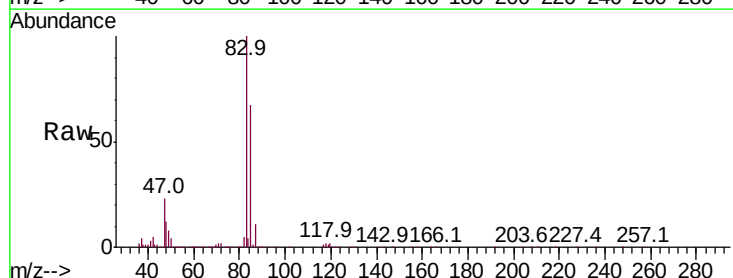
Acq: 19 Feb 2019 17:50

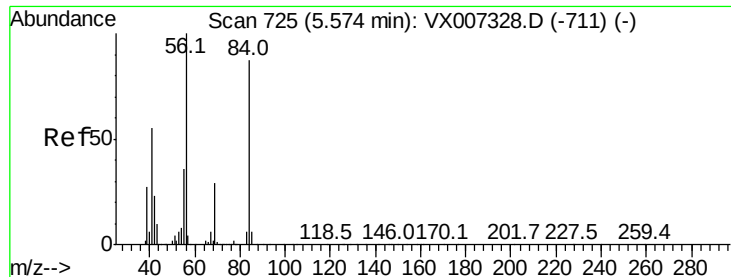
Tgt Ion: 83 Resp: 387819

Ion Ratio Lower Upper

83 100

85 66.6 51.6 77.4

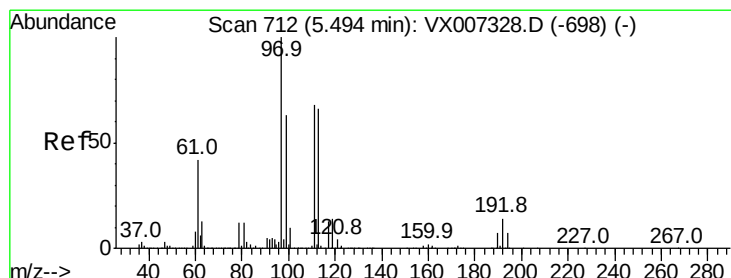
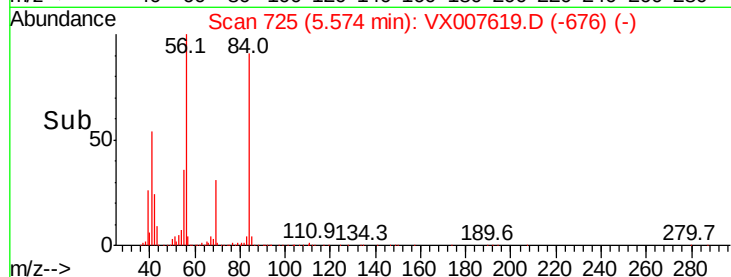
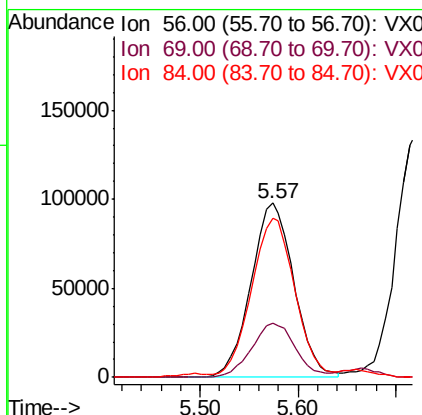
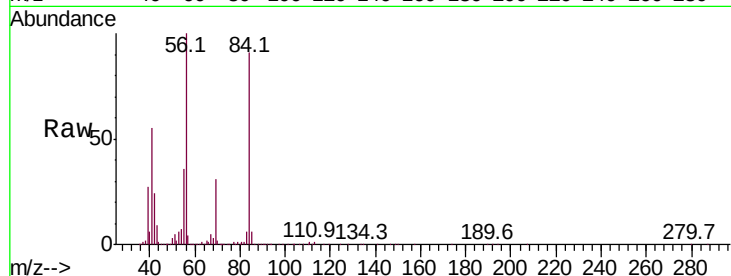




#31
Cyclohexane
Concen: 41.664 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

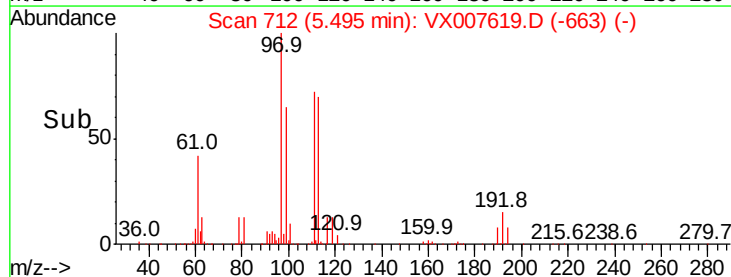
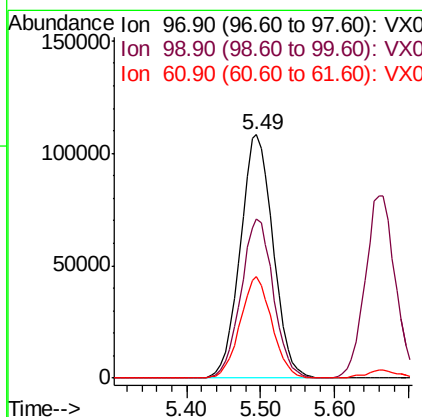
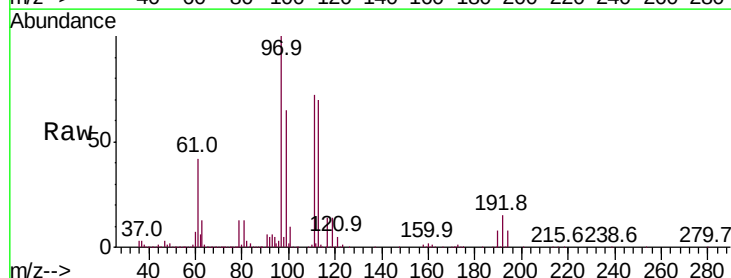
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

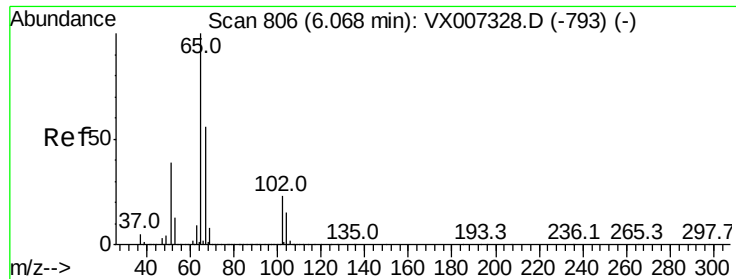
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.0	34.6
84	89.8	69.8	104.6



#32
1,1,1-Trichloroethane
Concen: 47.809 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.2	78.2
61	40.4	32.7	49.1

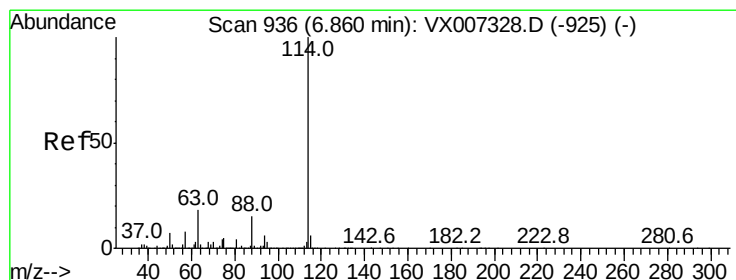
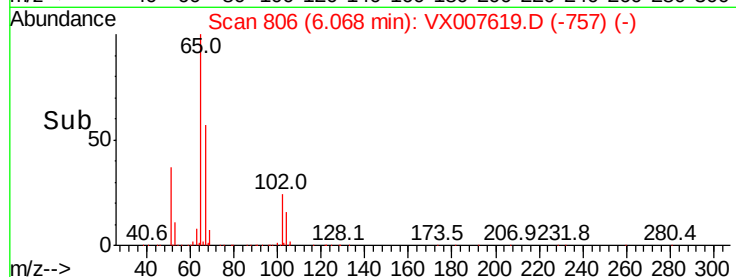
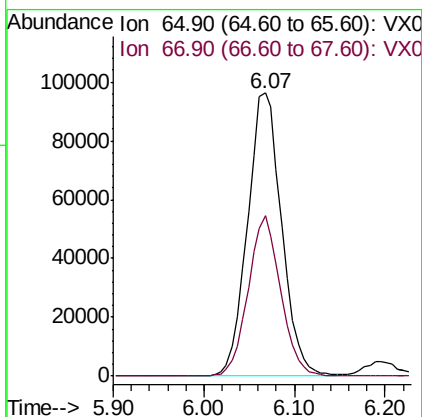
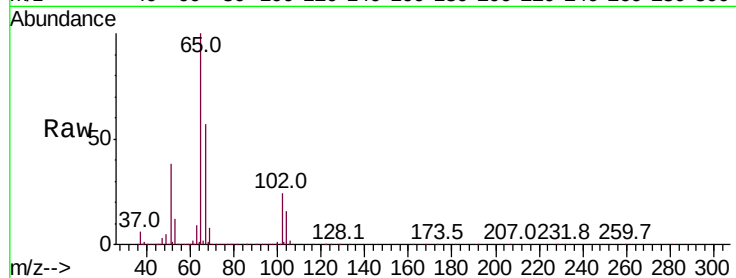




#33
 1,2-Dichloroethane-d4
 Concen: 48.805 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

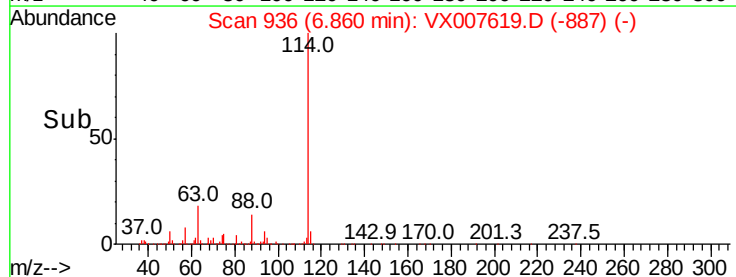
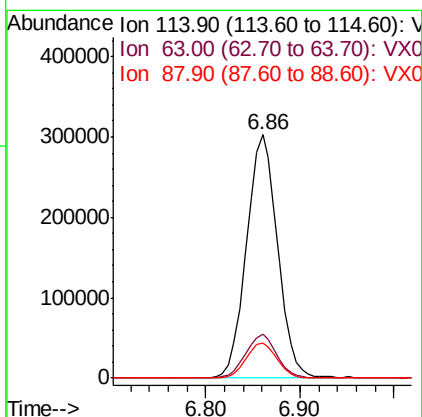
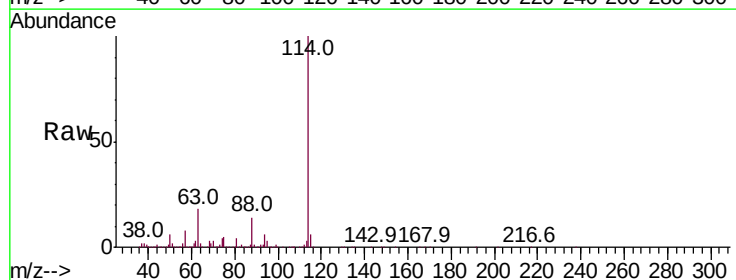
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

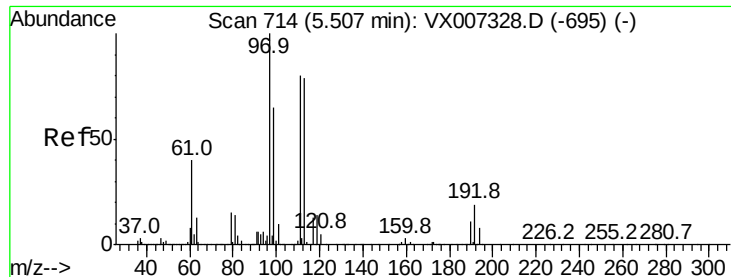
Tot Ion: 65 Resp: 250338
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

Tgt Ion: 114 Resp: 701482
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.6
 88 14.4 0.0 29.6





#35

Dibromofluoromethane

Concen: 51.744 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

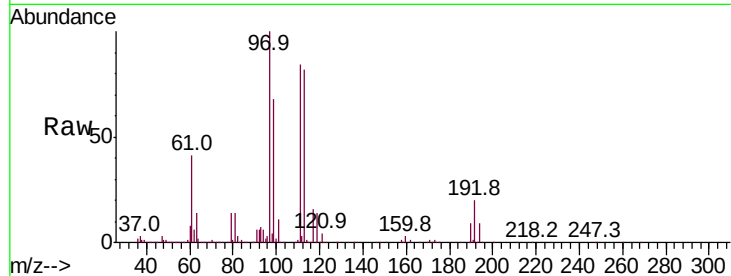
Tot Ion:113 Resp: 236173

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

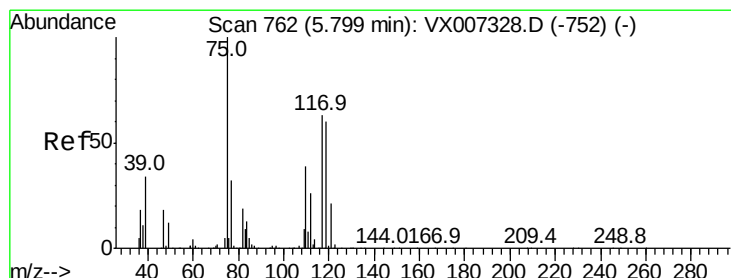
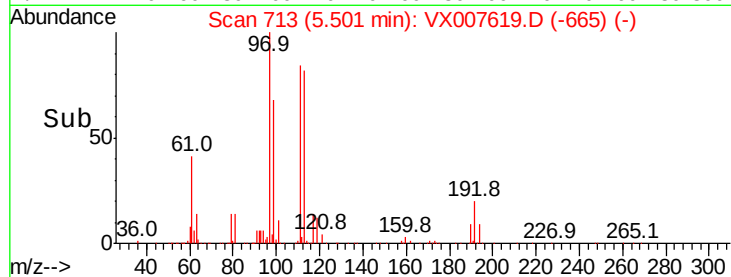
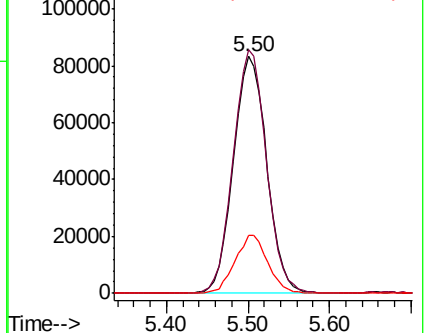
192 24.1 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 43.220 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

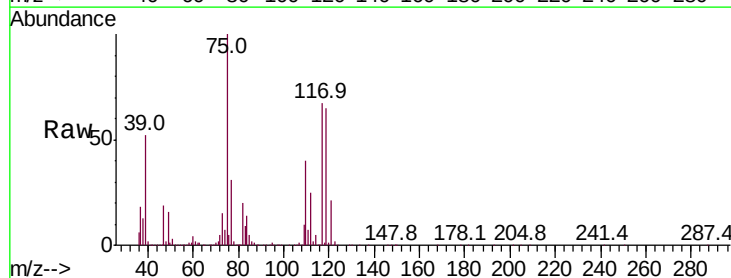
Tgt Ion: 75 Resp: 272028

Ion Ratio Lower Upper

75 100

110 39.4 20.0 59.9

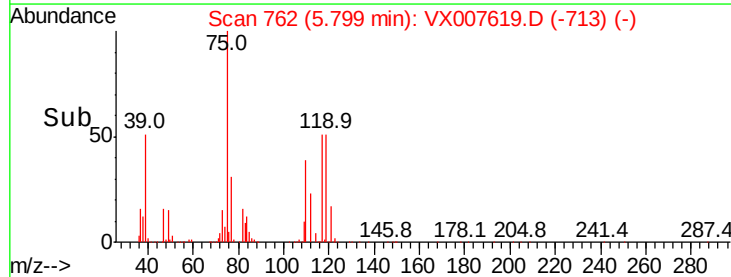
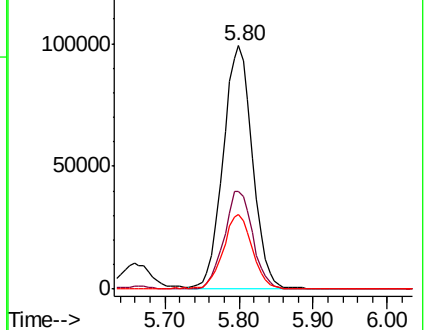
77 29.8 24.7 37.1

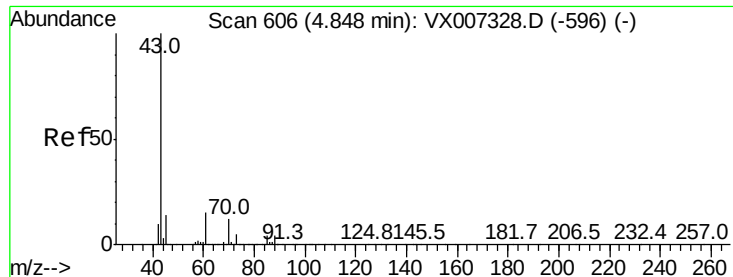


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

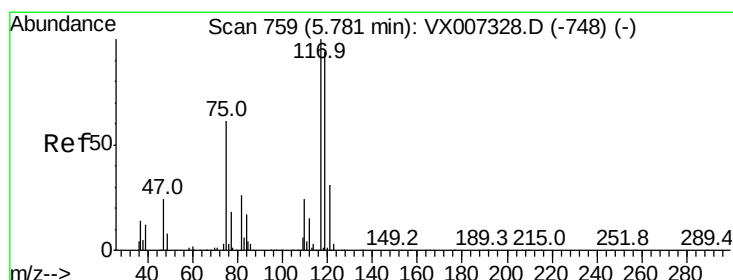
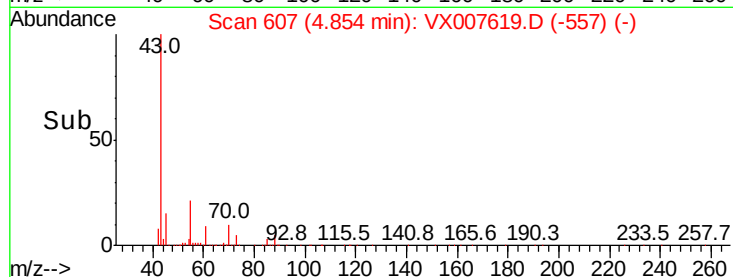
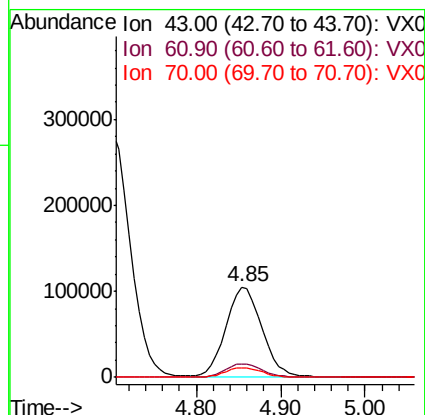
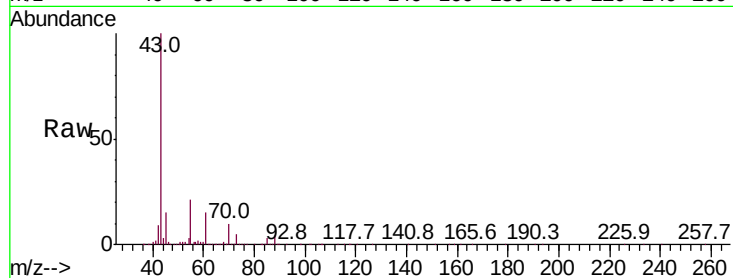




#37
Ethyl Acetate
Concen: 47.776 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

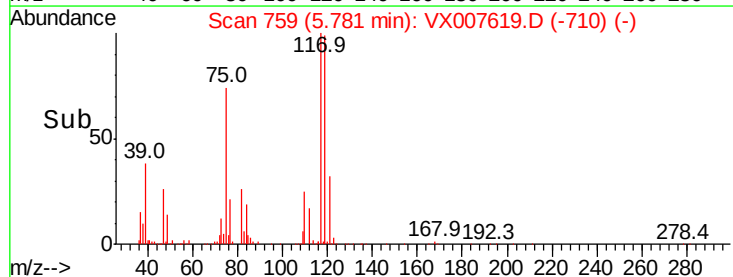
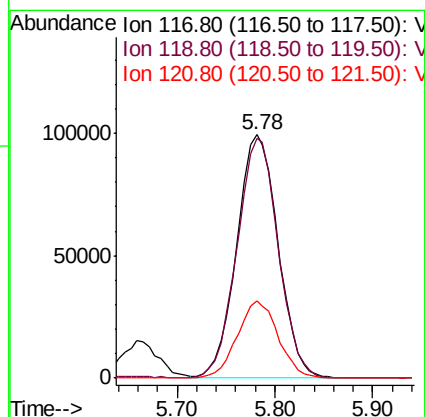
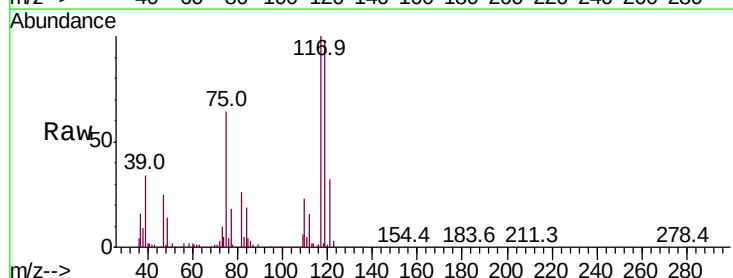
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

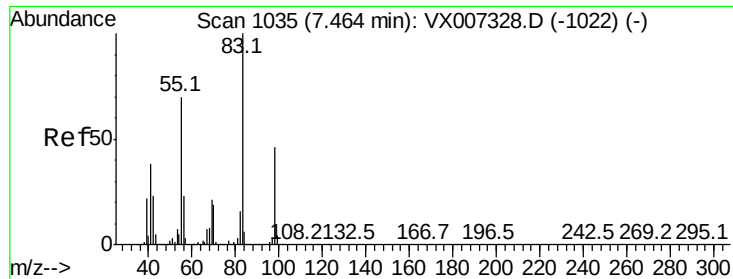
Tot Ion: 43 Resp: 303973
Ion Ratio Lower Upper
43 100
61 15.1 11.3 16.9
70 11.1 8.6 13.0



#38
Carbon Tetrachloride
Concen: 47.698 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion: 117 Resp: 291248
Ion Ratio Lower Upper
117 100
119 98.3 75.3 112.9
121 31.5 25.0 37.4

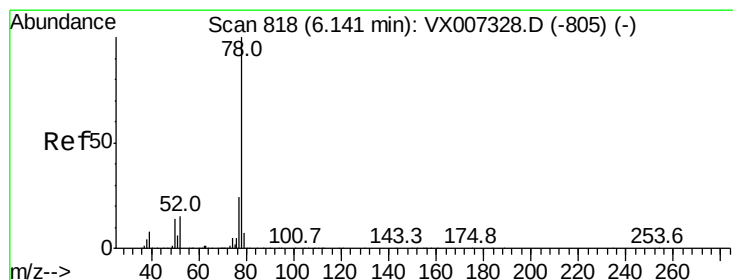
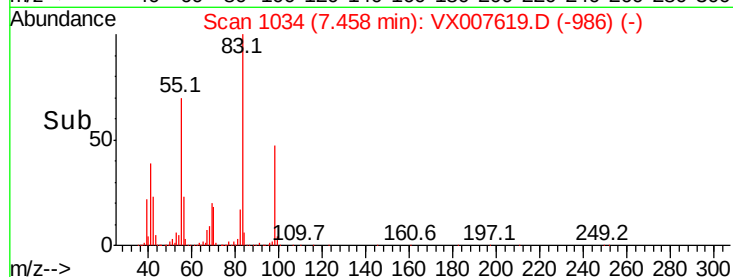
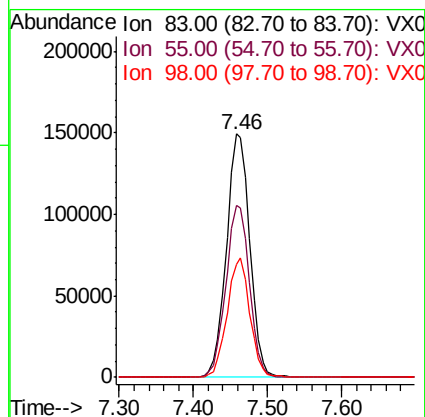
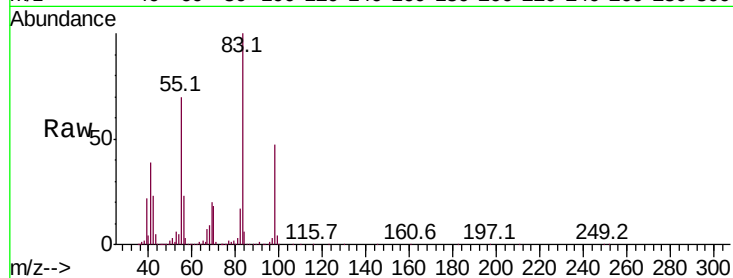




#39
Methylvlcyclohexane
Concen: 43.038 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

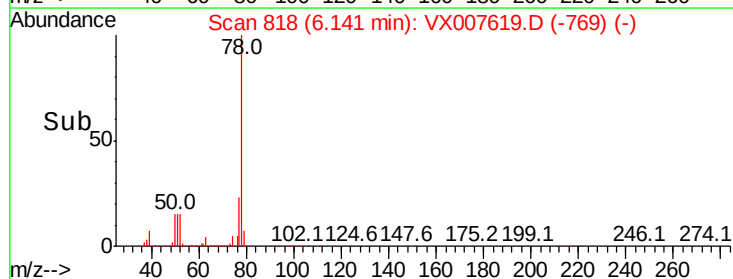
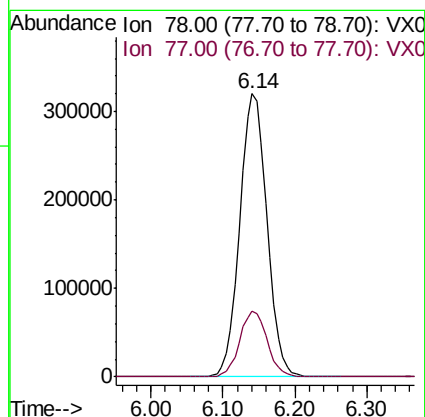
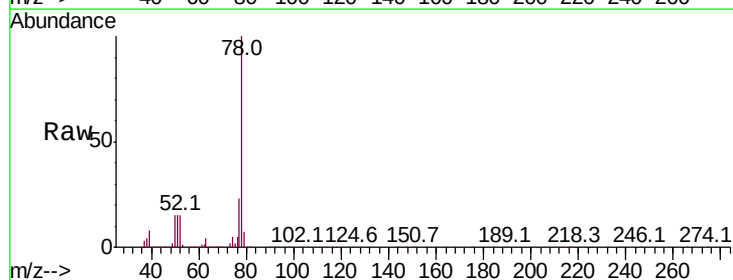
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

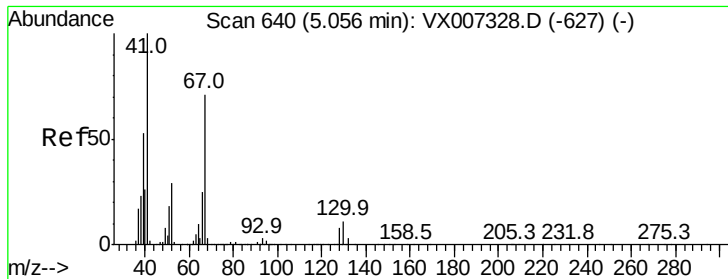
Tot Ion: 83 Resp: 327734
Ion Ratio Lower Upper
83 100
55 70.4 56.2 84.2
98 46.6 36.8 55.2



#40
Benzene
Concen: 45.291 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion: 78 Resp: 839700
Ion Ratio Lower Upper
78 100
77 23.1 19.3 28.9





#41

Methacrylonitrile

Concen: 50.029 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 170597

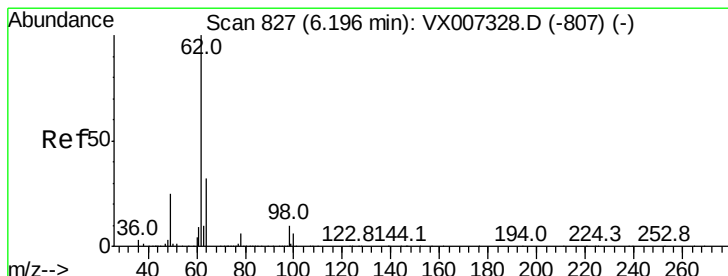
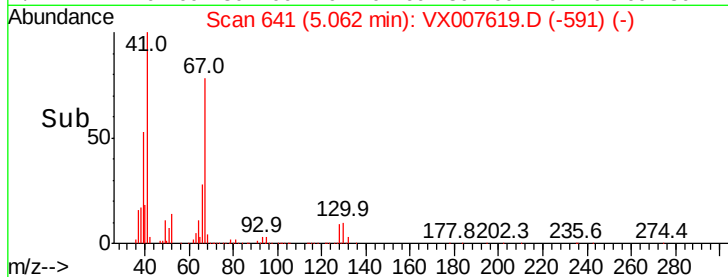
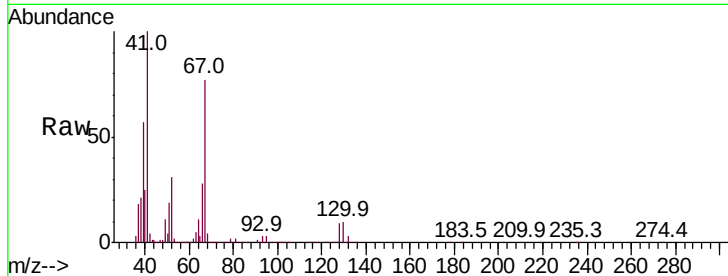
Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.5	66.7
67	77.4	60.4	90.6
52	30.1	24.1	36.1

Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 44.977 ug/l

RT: 6.20 min Scan# 827

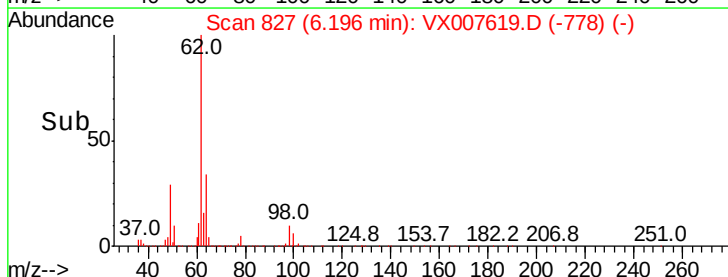
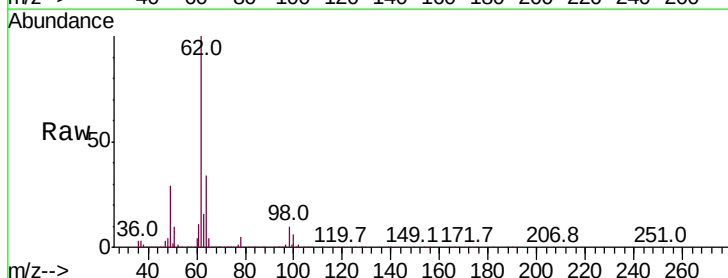
Delta R.T. 0.00 min

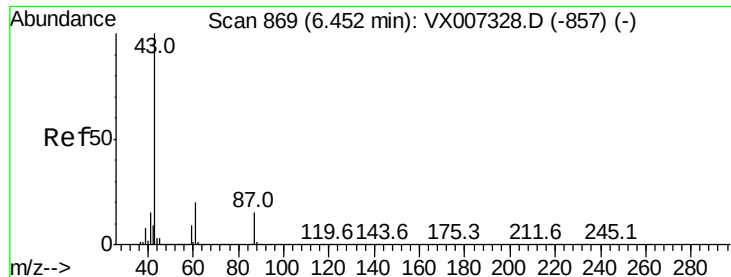
Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion: 62 Resp: 288517

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0





#43

Isopropyl Acetate

Concen: 50.957 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

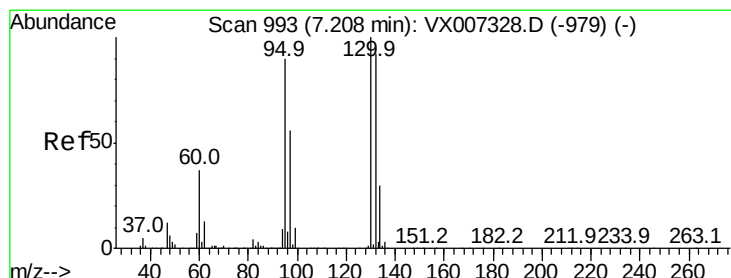
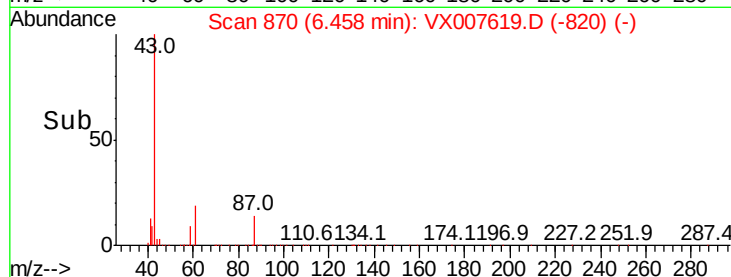
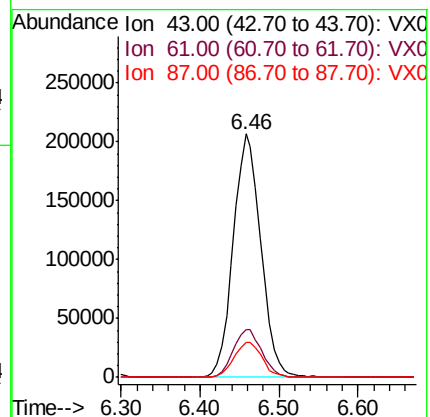
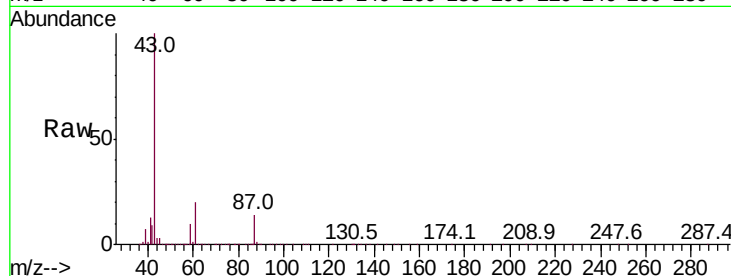
Tot Ion: 43 Resp: 500423

Ion Ratio Lower Upper

43 100

61 20.4 16.1 24.1

87 14.8 11.5 17.3



#44

Trichloroethene

Concen: 44.536 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX007619.D

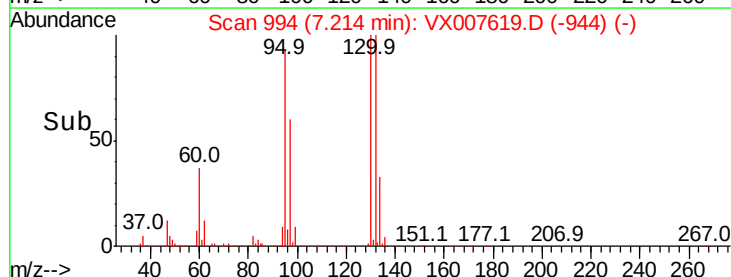
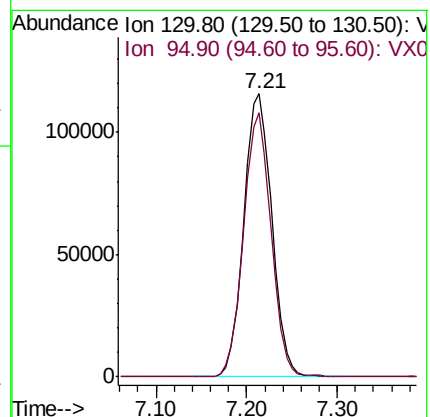
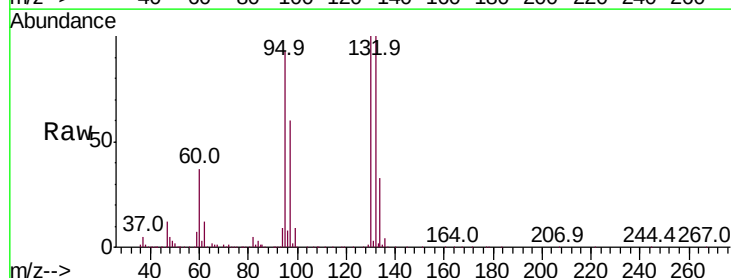
Acq: 19 Feb 2019 17:50

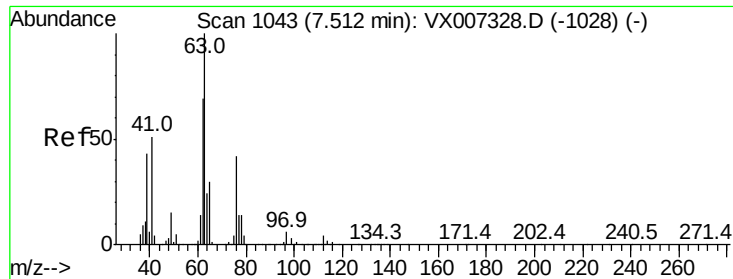
Tgt Ion: 130 Resp: 248685

Ion Ratio Lower Upper

130 100

95 93.1 0.0 180.0





#45

1,2-Dichloropropane

Concen: 47.917 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

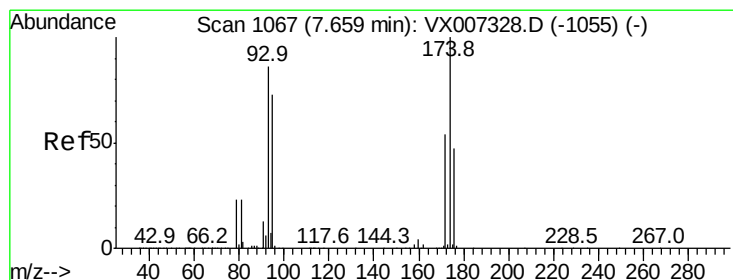
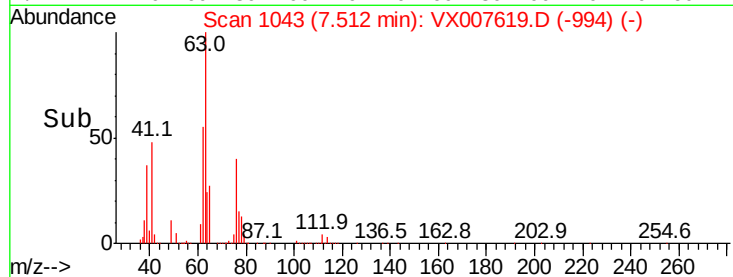
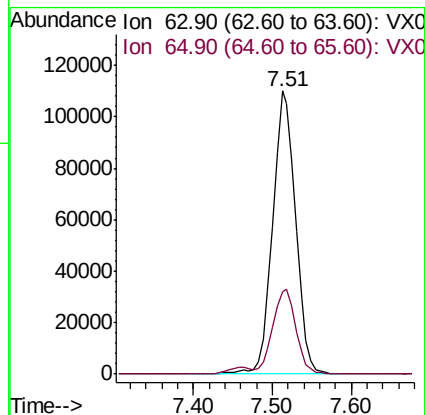
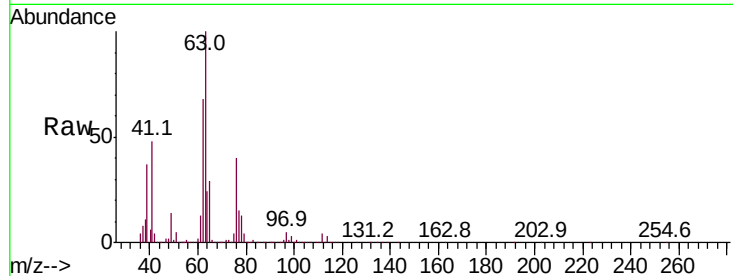
VSTDCCC050EC

Tot Ion: 63 Resp: 222587

Ion Ratio Lower Upper

63 100

65 28.8 24.2 36.2



#46

Dibromomethane

Concen: 45.778 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

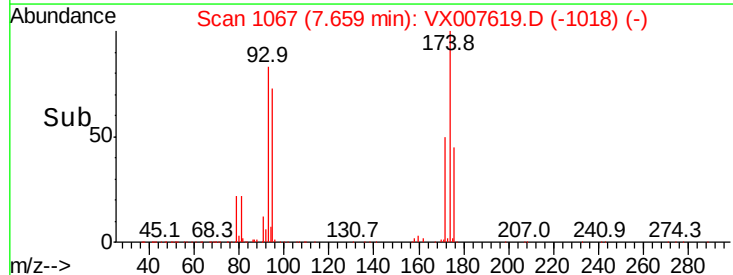
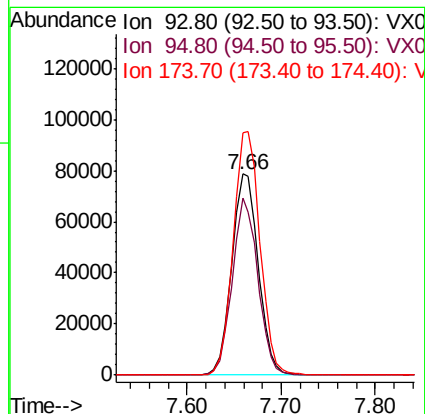
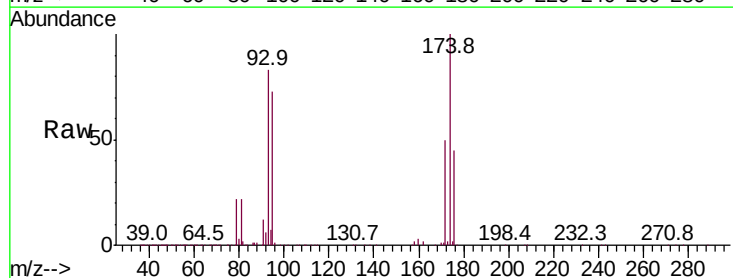
Tgt Ion: 93 Resp: 154558

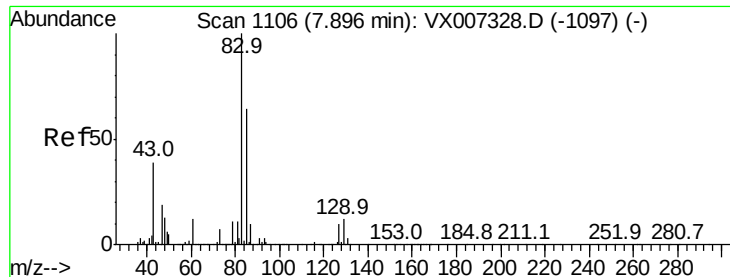
Ion Ratio Lower Upper

93 100

95 84.7 67.6 101.4

174 122.1 94.2 141.4





#47

Bromodichloromethane

Concen: 49.373 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

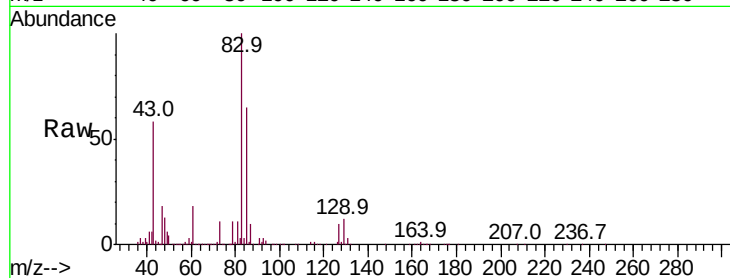
Tot Ion: 83 Resp: 282508

Ion Ratio Lower Upper

83 100

85 65.2 51.4 77.0

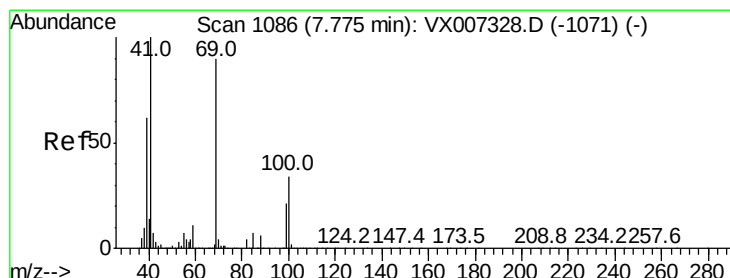
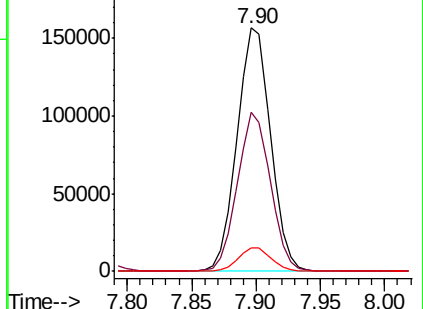
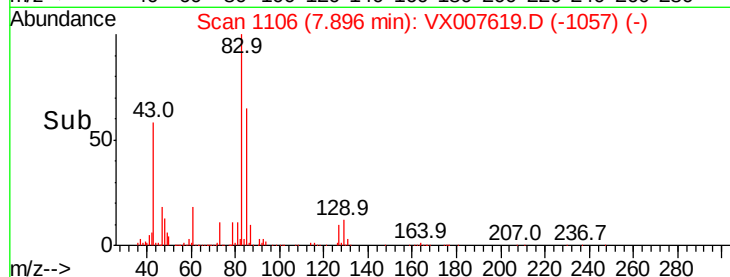
127 9.9 8.1 12.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.316 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

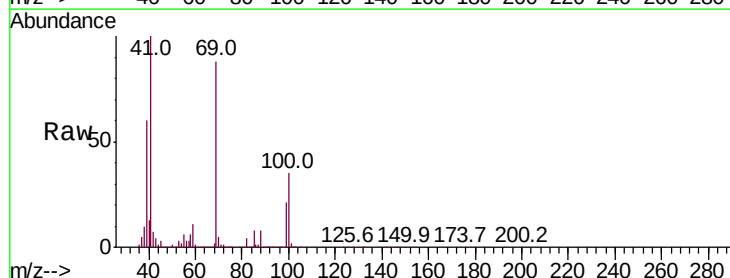
Tgt Ion: 41 Resp: 252074

Ion Ratio Lower Upper

41 100

69 90.1 70.2 105.4

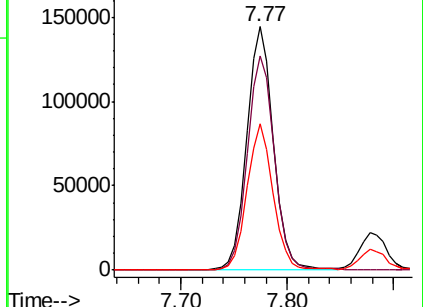
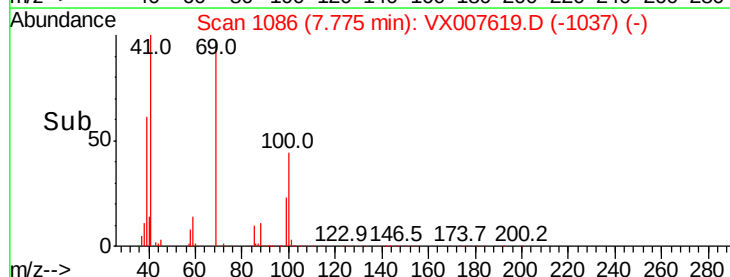
39 58.6 47.4 71.0

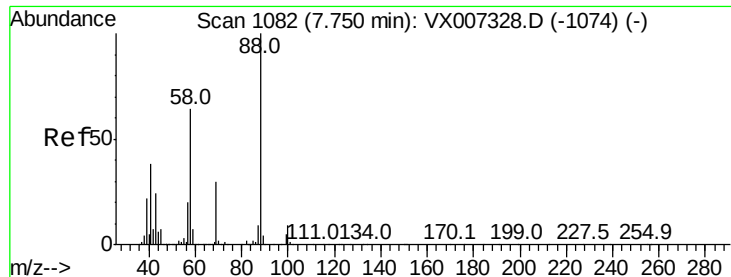


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1012.563 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

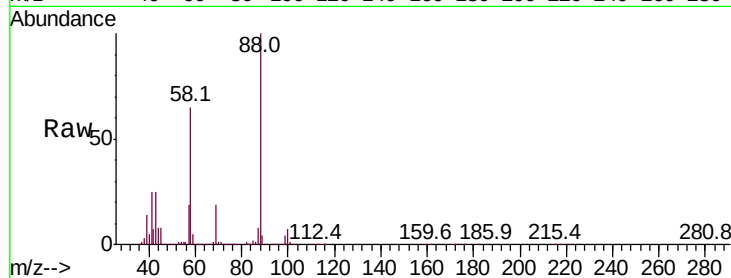
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 113125

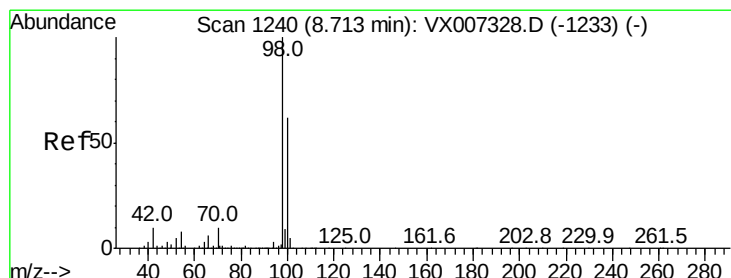
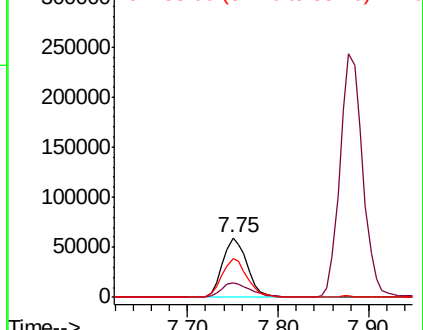
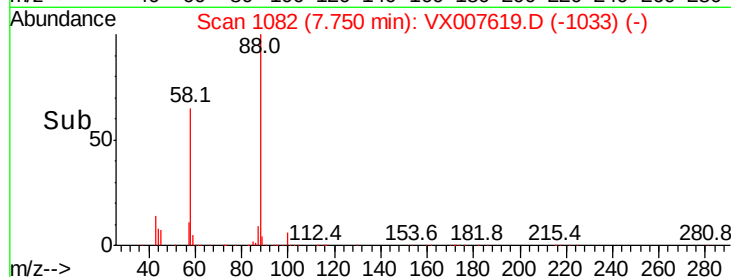
Ion	Ratio	Lower	Upper
88	100		
43	29.4	24.2	36.4
58	67.0	53.0	79.4



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: 49.828 ug/l

RT: 8.71 min Scan# 1240

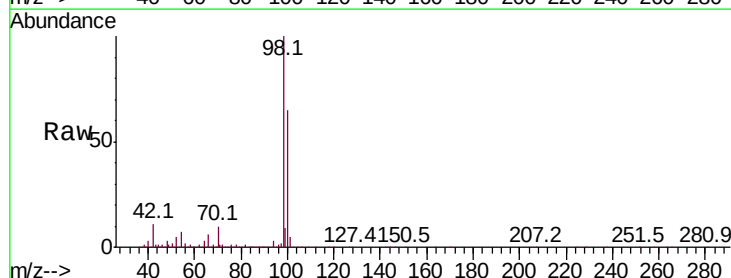
Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

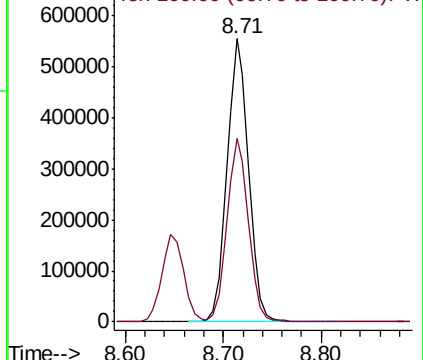
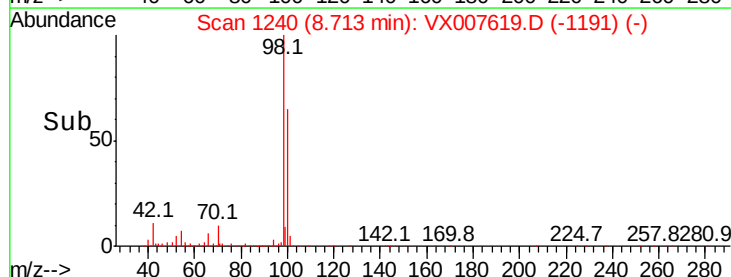
Tgt Ion: 98 Resp: 843799

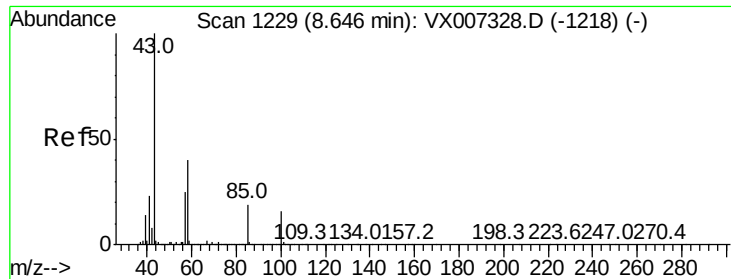
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4



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: 254.318 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

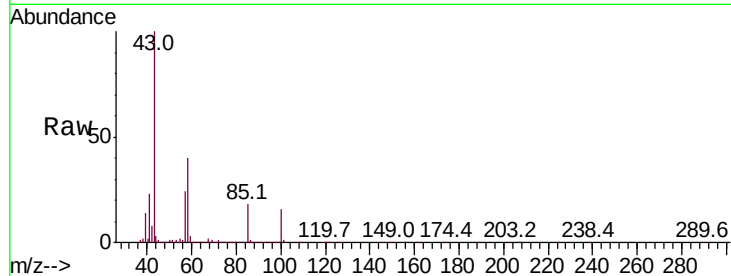
VSTDCCC050EC

Tot Ion: 43 Resp: 1644137

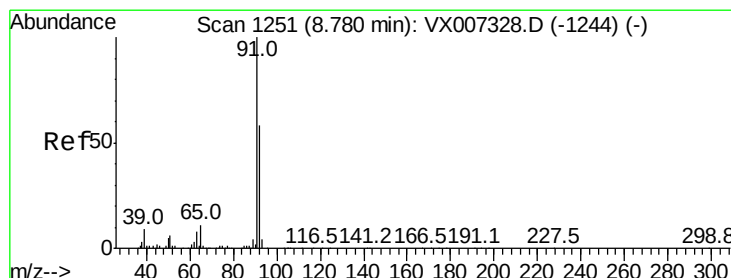
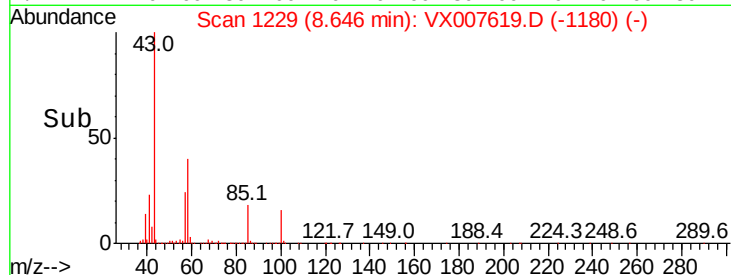
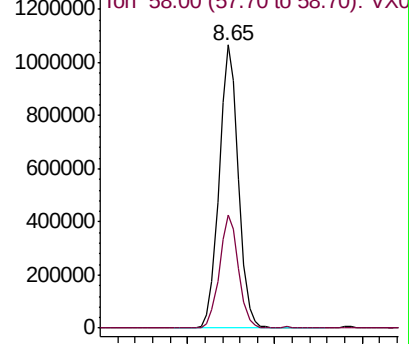
Ion Ratio Lower Upper

43 100

58 39.4 31.2 46.8



Abundance Ion 43.00 (42.70 to 43.70): VX0



#52

Toluene

Concen: 46.487 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007619.D

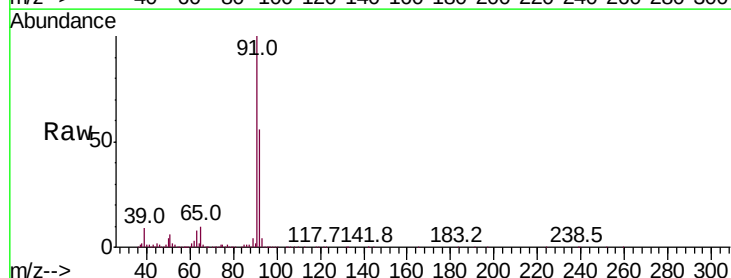
Acq: 19 Feb 2019 17:50

Tgt Ion: 92 Resp: 556073

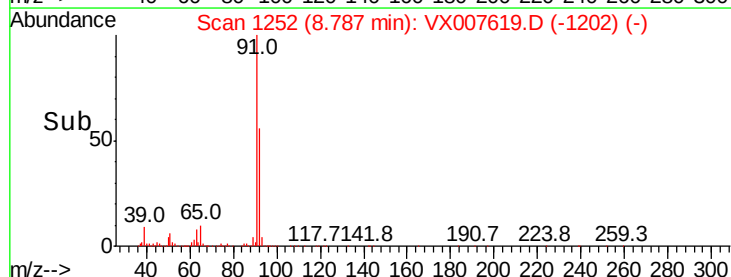
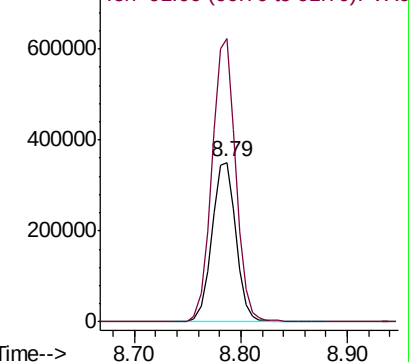
Ion Ratio Lower Upper

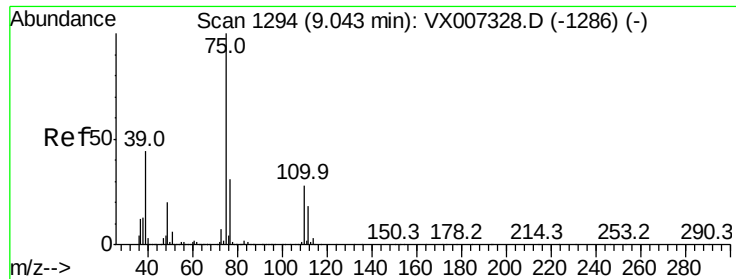
92 100

91 175.1 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VX0





#53

t-1,3-Dichloropropene

Concen: 51.070 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

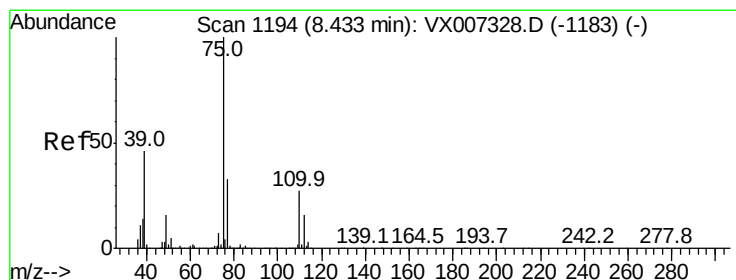
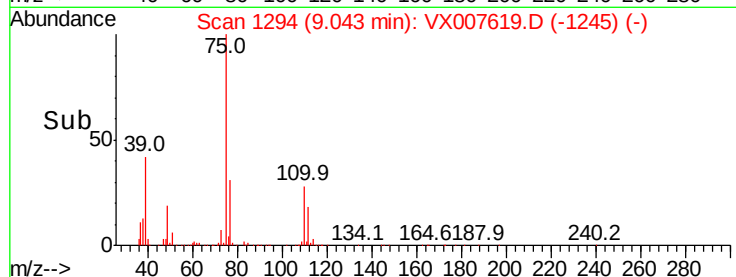
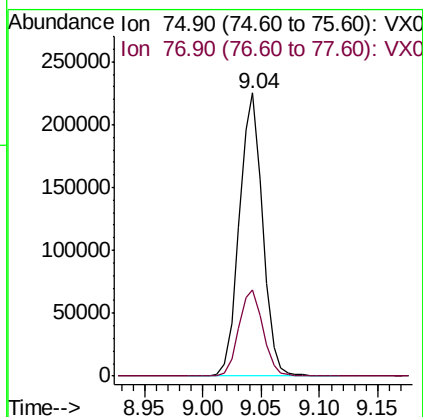
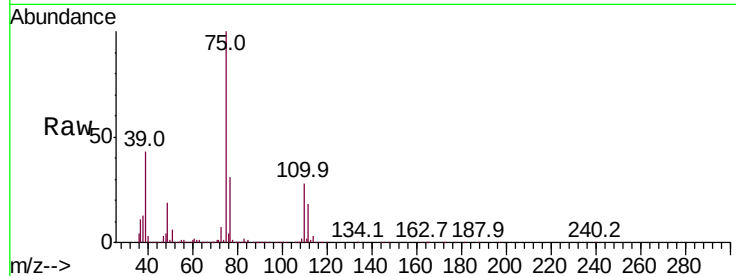
VSTDCCC050EC

Tot Ion: 75 Resp: 313887

Ion Ratio Lower Upper

75 100

77 30.5 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 49.760 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

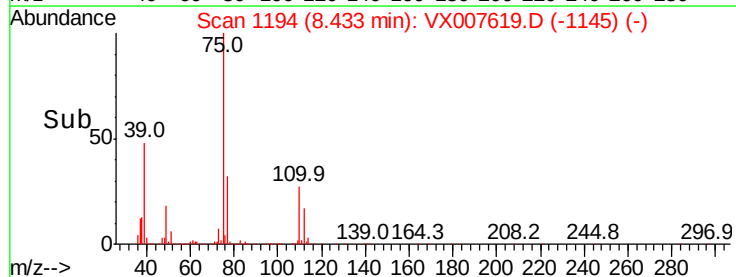
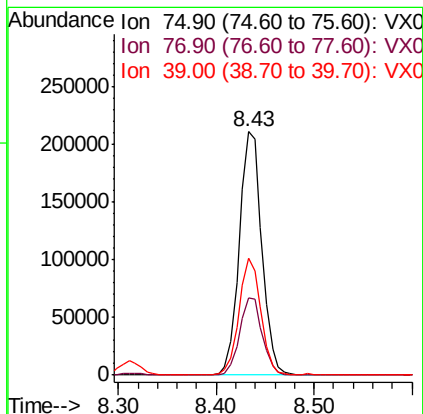
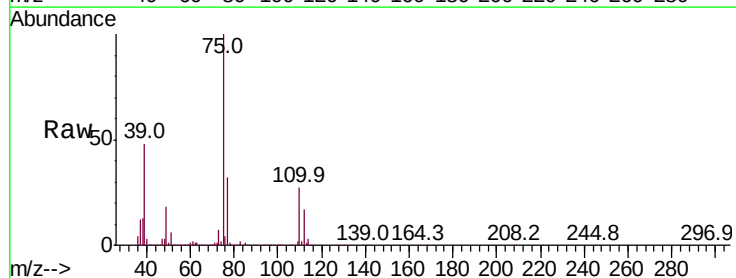
Tgt Ion: 75 Resp: 336328

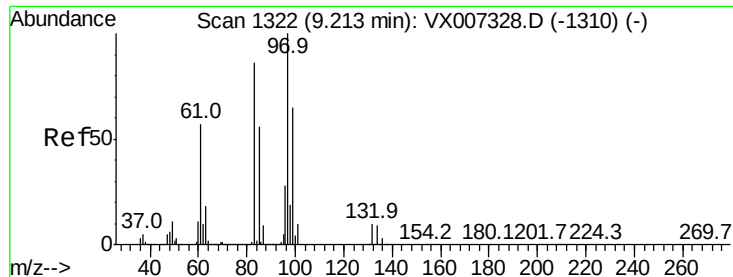
Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.4

39 48.1 37.1 55.7

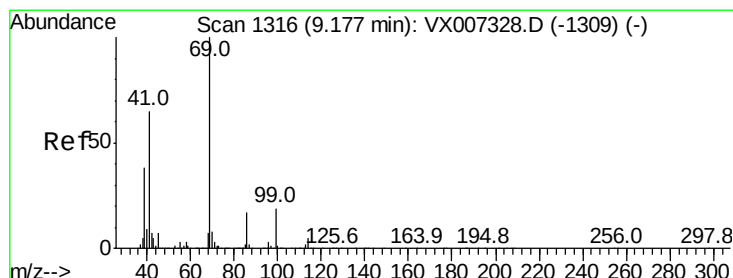
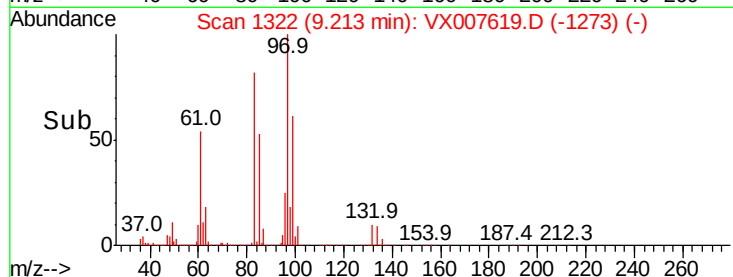
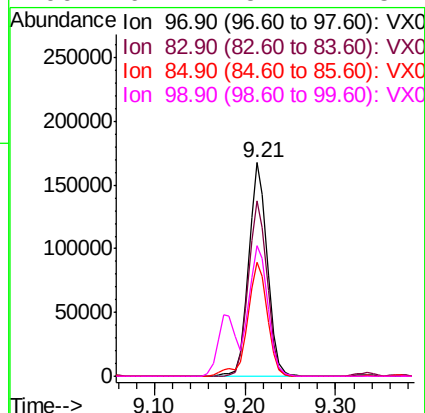
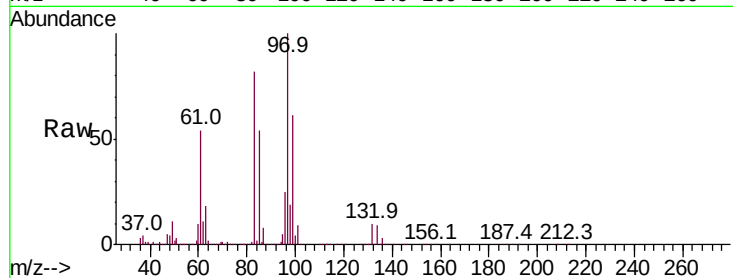




#55
 1,1,2-Trichloroethane
 Concen: 47.649 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

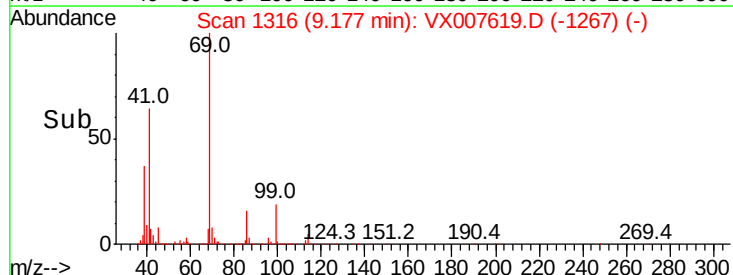
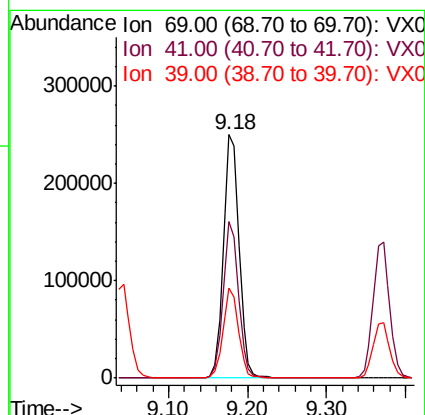
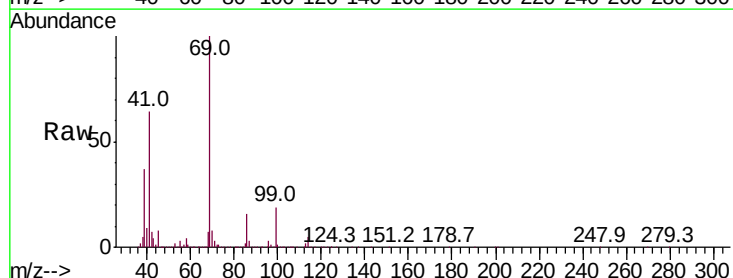
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

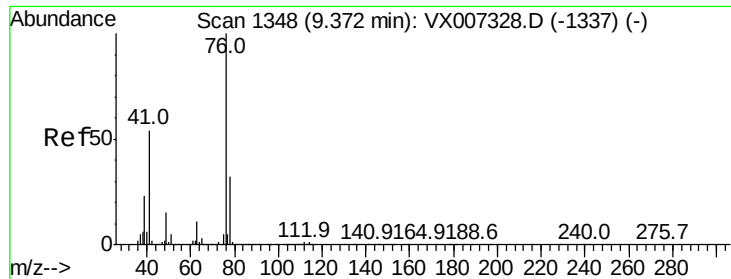
Tot Ion:	97	Resp:	237590
Ion	Ratio	Lower	Upper
97	100		
83	82.2	68.6	102.8
85	53.6	44.5	66.7
99	61.4	52.2	78.4



#56
 Ethyl methacrylate
 Concen: 50.315 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

Tgt Ion:	69	Resp:	347477
Ion	Ratio	Lower	Upper
69	100		
41	62.7	52.1	78.1
39	36.1	30.1	45.1





#57

1,3-Dichloropropane

Concen: 47.142 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

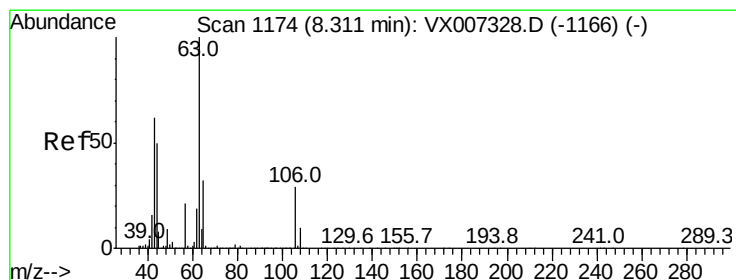
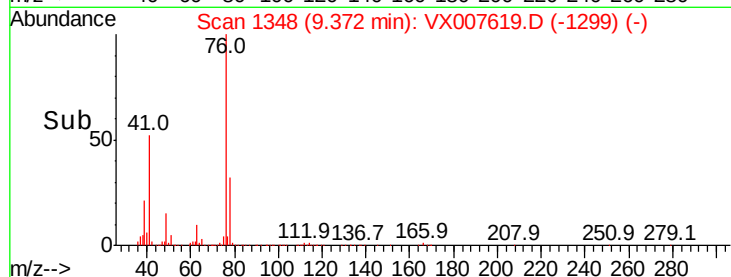
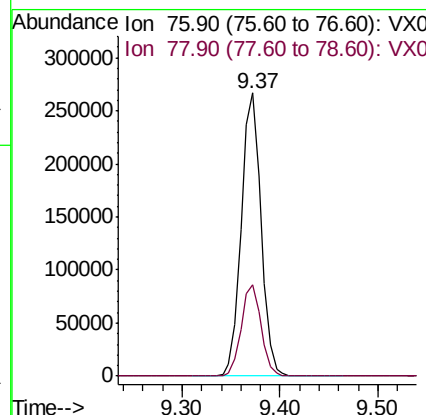
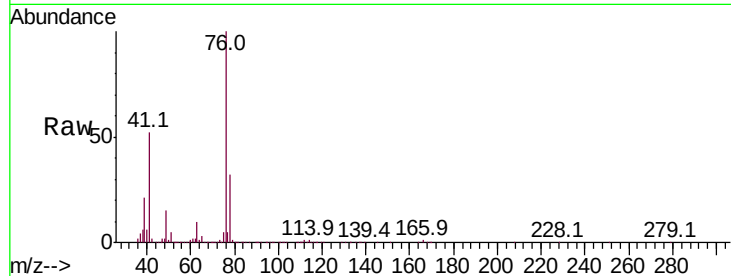
Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 373817

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8



#58

2-Chloroethyl Vinyl ether

Concen: 258.555 ug/l

RT: 8.31 min Scan# 1174

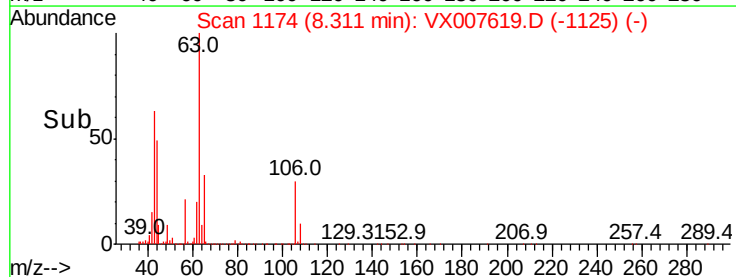
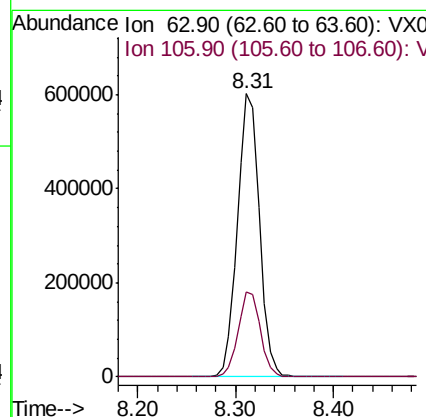
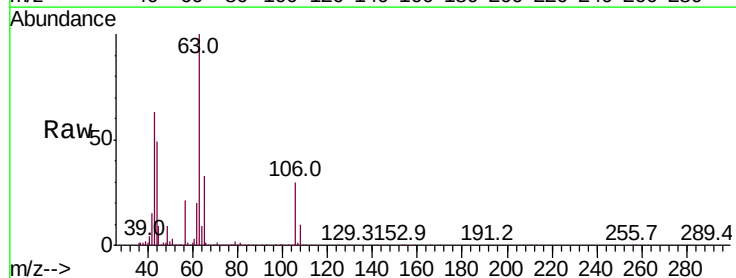
Delta R.T. 0.00 min

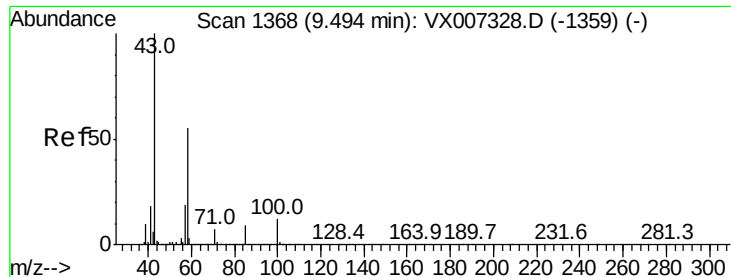
Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion: 63 Resp: 941148

Ion	Ratio	Lower	Upper
63	100		
106	30.5	23.6	35.4

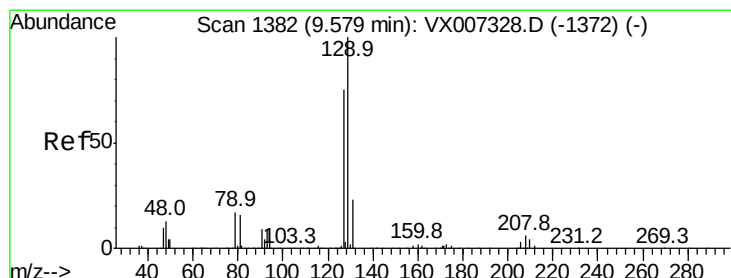
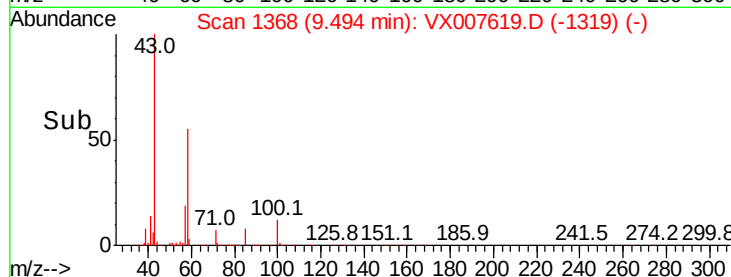
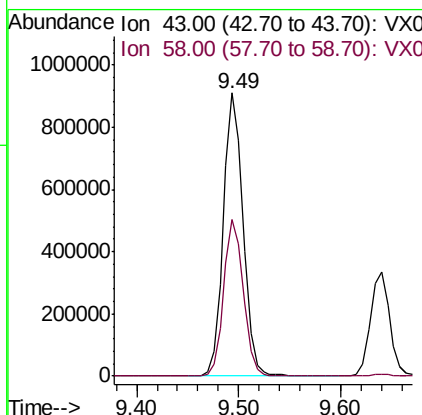
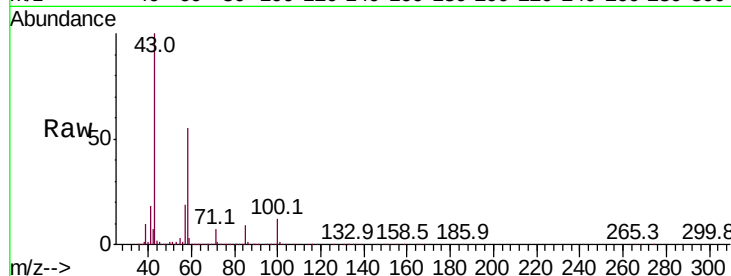




#59
2-Hexanone
Concen: 243.171 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

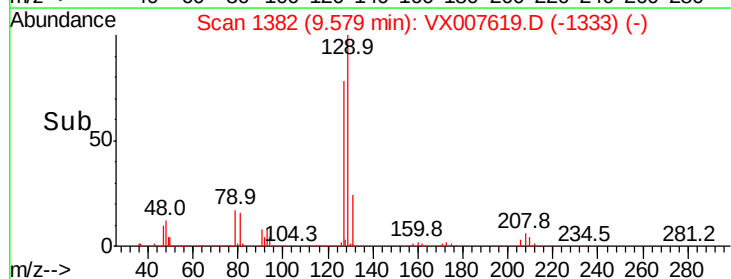
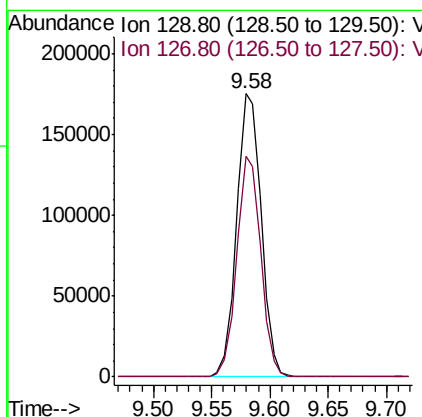
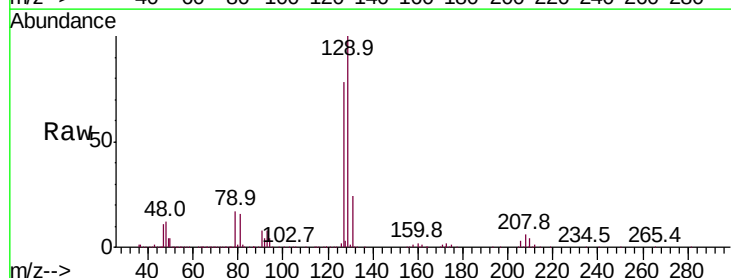
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

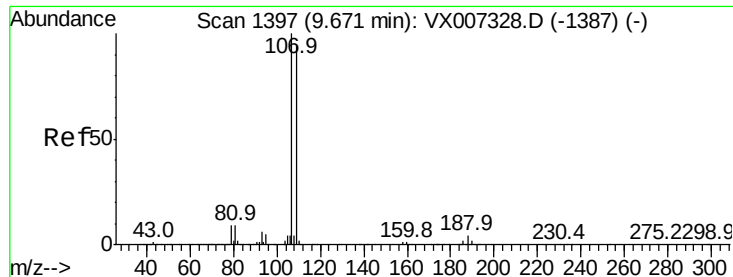
Tot Ion: 43 Resp: 1223332
Ion Ratio Lower Upper
43 100
58 55.0 27.1 81.3



#60
Dibromochloromethane
Concen: 54.892 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion: 129 Resp: 258860
Ion Ratio Lower Upper
129 100
127 76.1 37.8 113.4





#61

1,2-Dibromoethane

Concen: 47.460 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

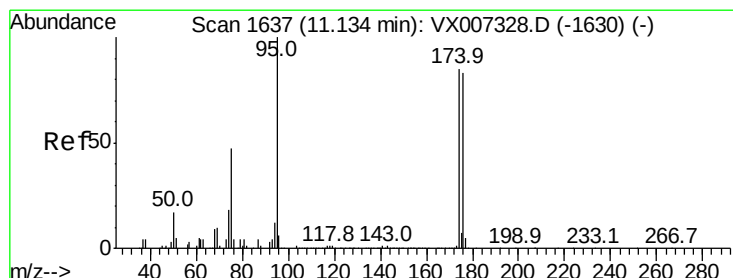
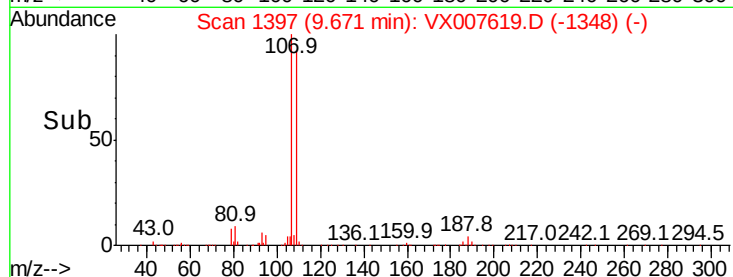
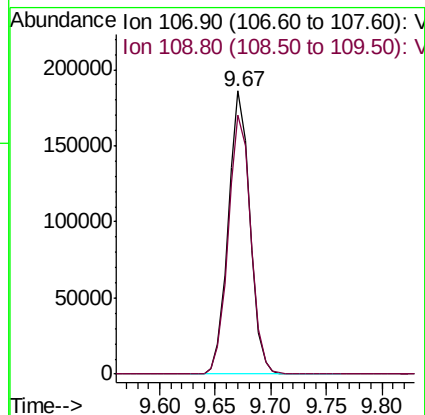
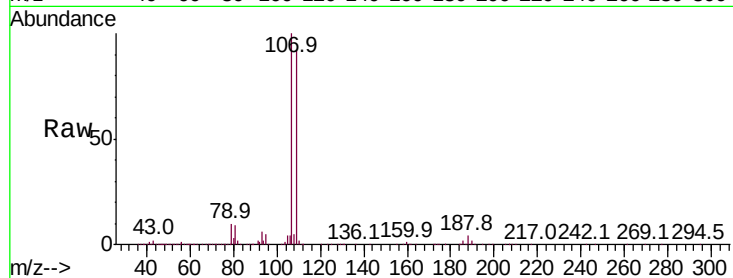
VSTDCCC050EC

Tot Ion:107 Resp: 250611

Ion Ratio Lower Upper

107 100

109 95.0 75.1 112.7



#62

4-Bromofluorobenzene

Concen: 49.113 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

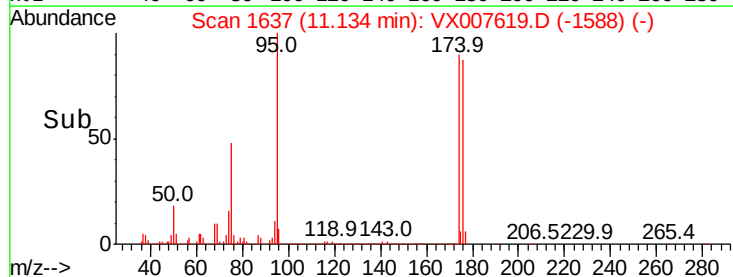
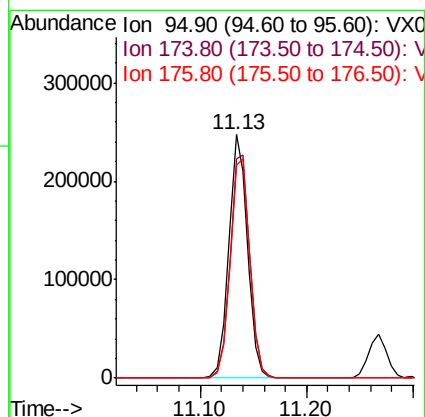
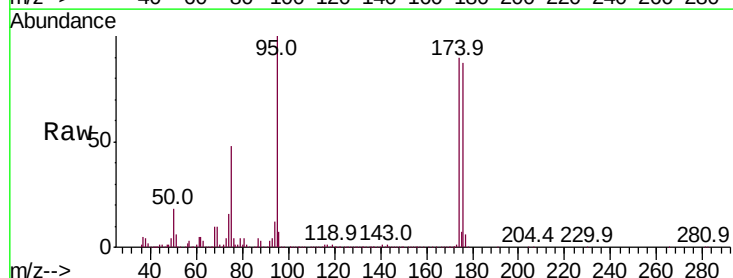
Tgt Ion: 95 Resp: 303654

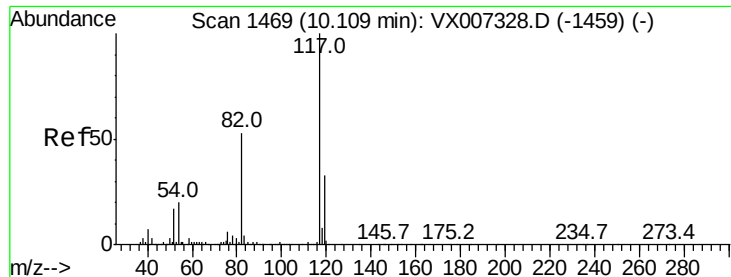
Ion Ratio Lower Upper

95 100

174 96.6 0.0 189.2

176 94.4 0.0 186.2

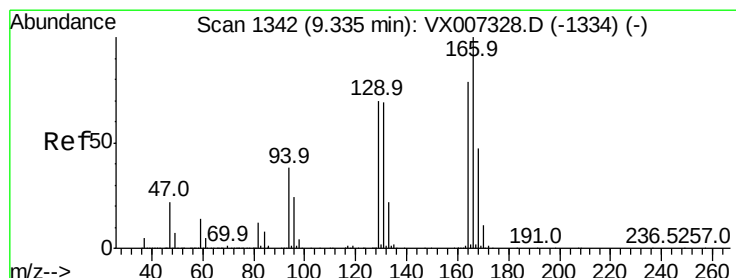
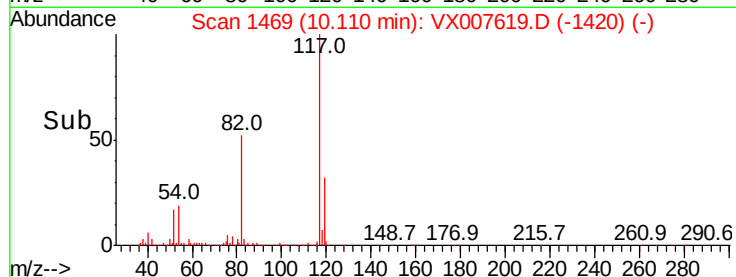
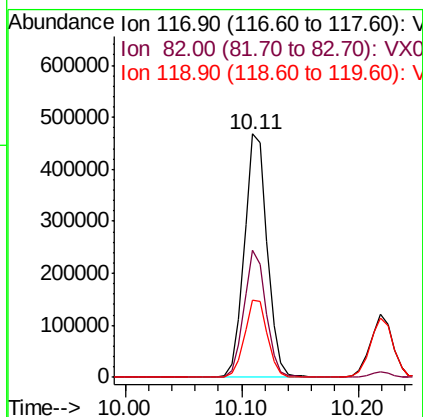
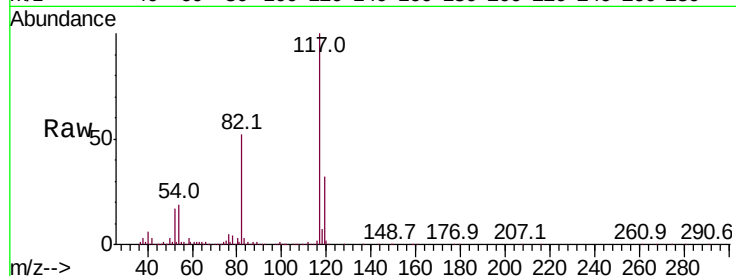




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

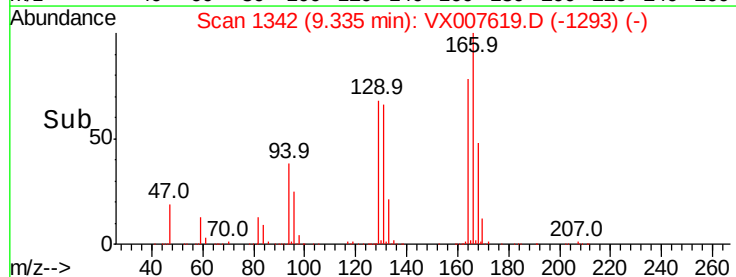
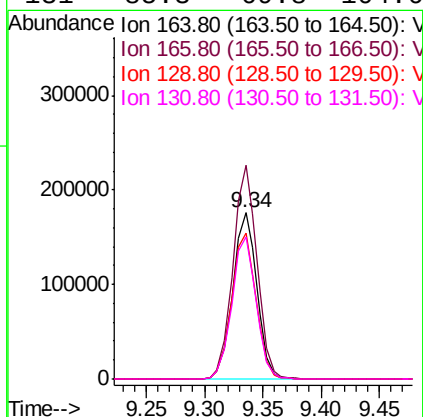
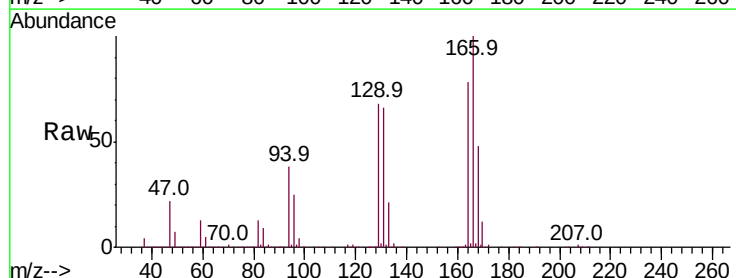
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

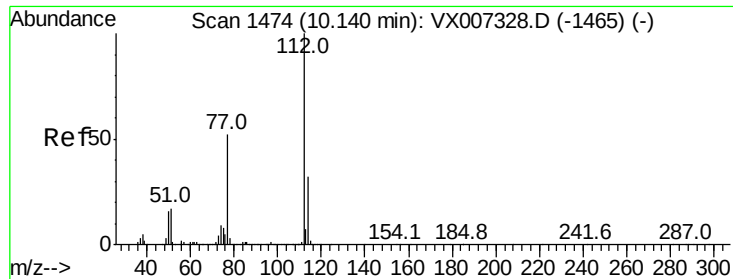
Tot Ion:117 Resp: 642833
Ion Ratio Lower Upper
117 100
82 52.0 42.1 63.1
119 31.8 26.5 39.7



#64
Tetrachloroethene
Concen: 41.732 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion:164 Resp: 252846
Ion Ratio Lower Upper
164 100
166 128.7 101.0 151.4
129 88.1 70.5 105.7
131 85.3 69.8 104.6

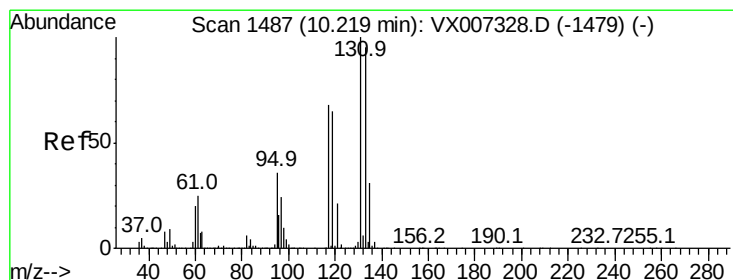
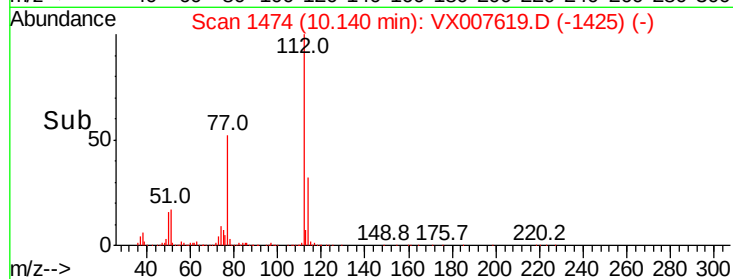
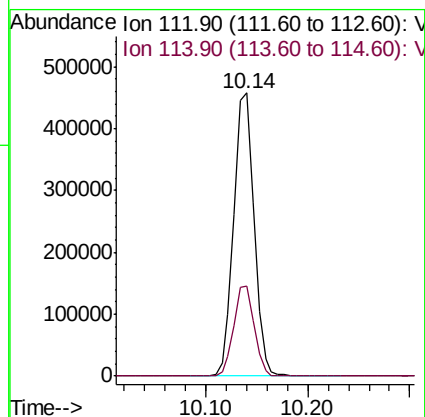
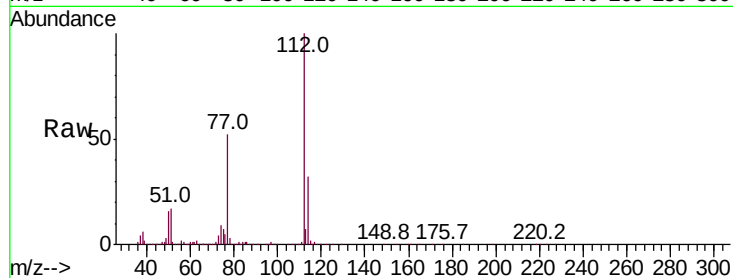




#65
Chlorobenzene
Concen: 44.956 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

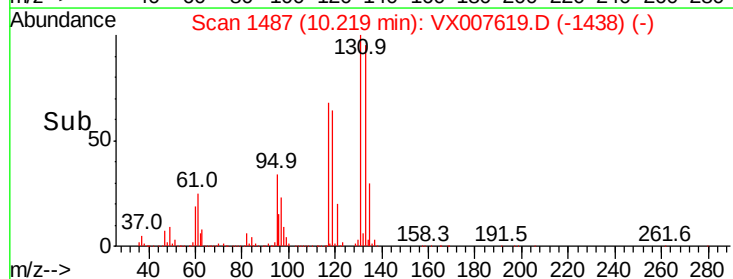
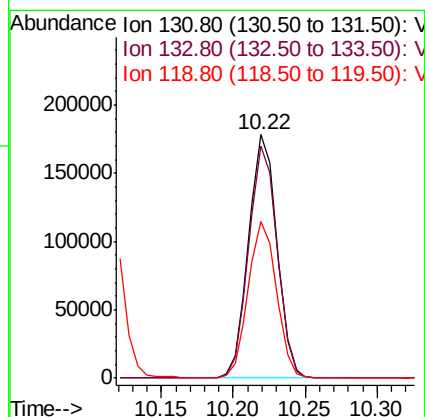
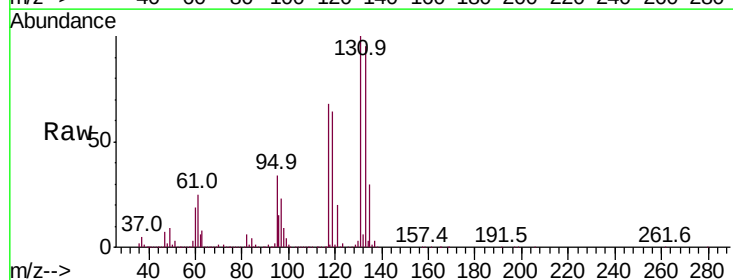
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

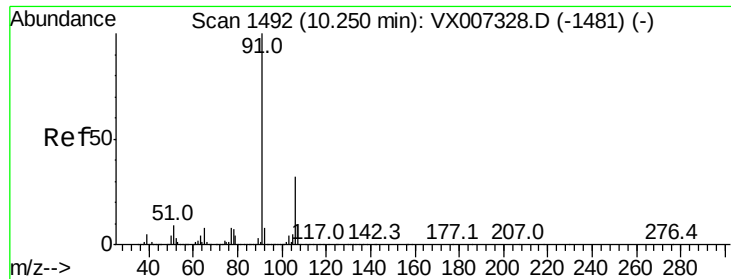
Tot Ion:112 Resp: 630636
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.526 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion:131 Resp: 242334
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.2
119 64.4 32.0 96.0





#67

Ethyl Benzene

Concen: 47.449 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

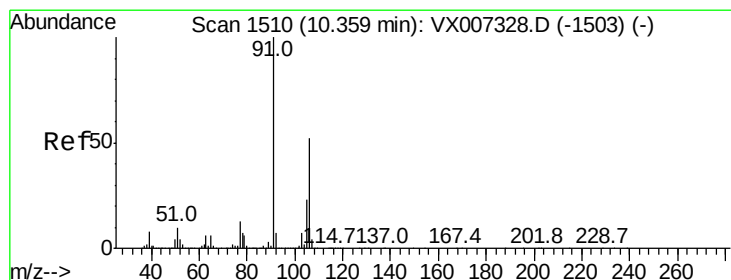
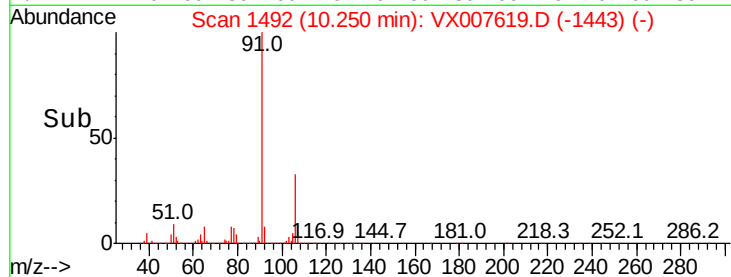
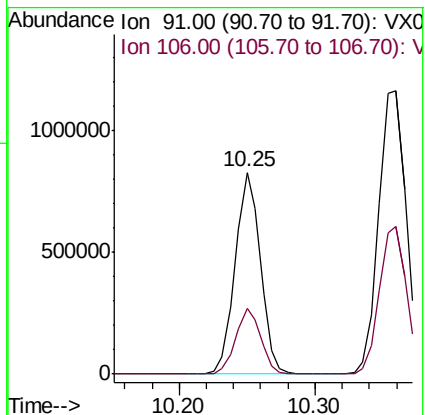
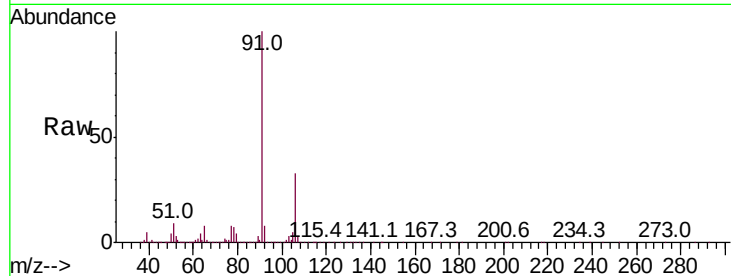
VSTDCCC050EC

Tot Ion: 91 Resp: 1071880

Ion Ratio Lower Upper

91 100

106 32.8 25.4 38.0



#68

m/p-Xylenes

Concen: 93.670 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007619.D

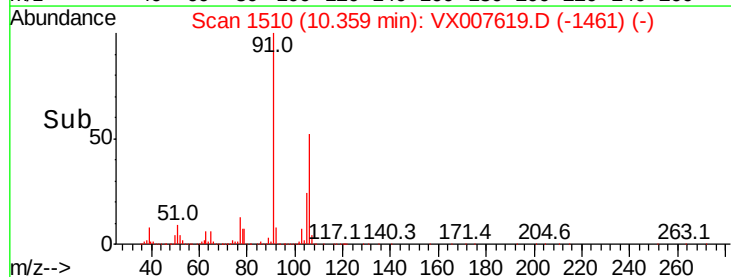
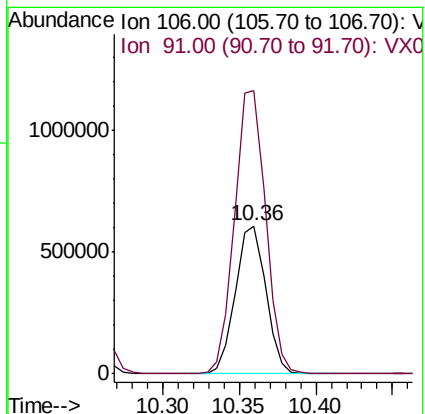
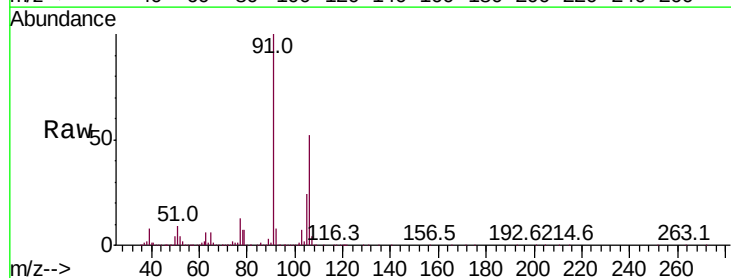
Acq: 19 Feb 2019 17:50

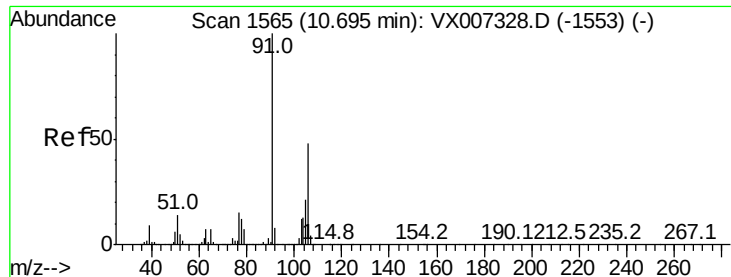
Tgt Ion: 106 Resp: 841143

Ion Ratio Lower Upper

106 100

91 195.5 156.6 234.8

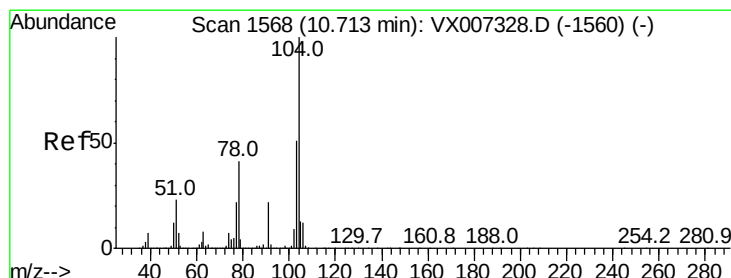
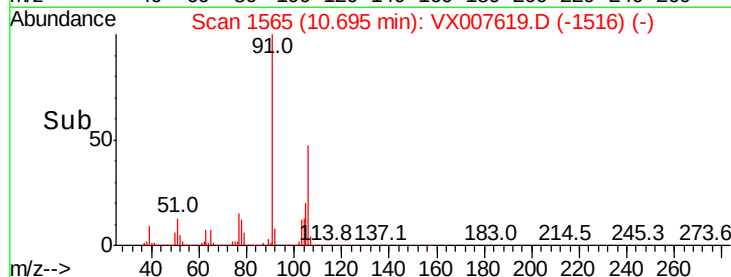
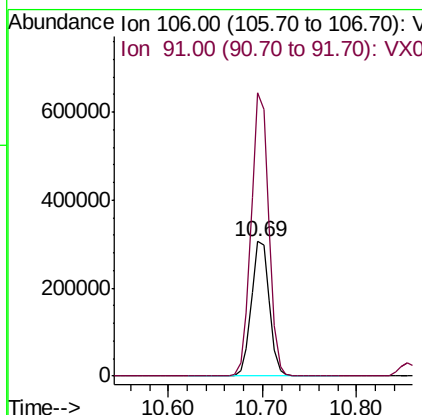
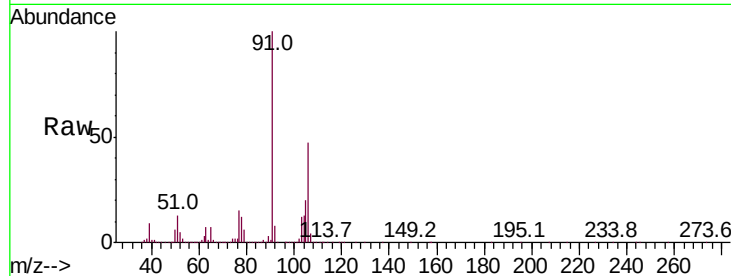




#69
o-Xylene
Concen: 47.530 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

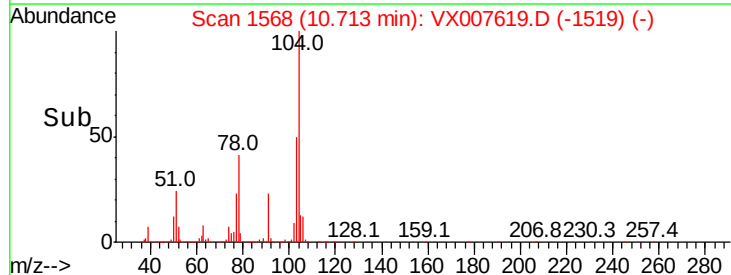
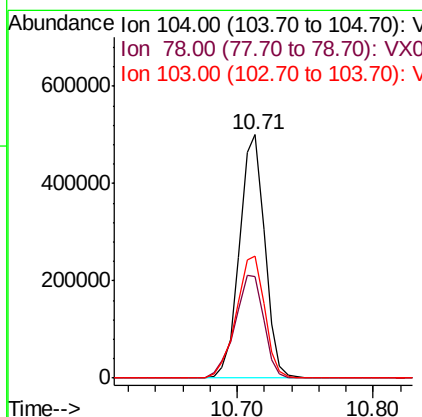
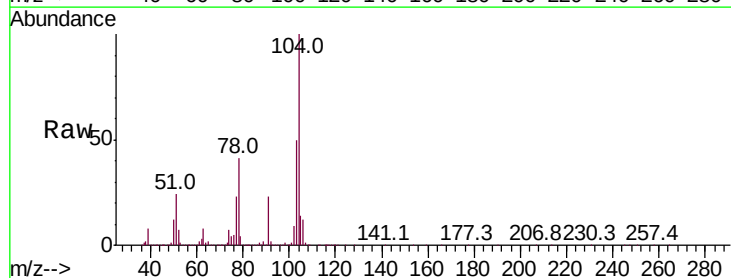
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

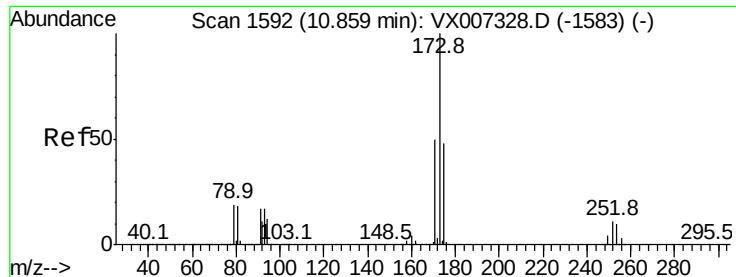
Tot Ion:106 Resp: 410702
Ion Ratio Lower Upper
106 100
91 206.0 102.9 308.7



#70
Styrene
Concen: 46.441 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion:104 Resp: 650809
Ion Ratio Lower Upper
104 100
78 48.0 38.3 57.5
103 56.2 44.6 67.0





#71

Bromoform

Concen: 48.255 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

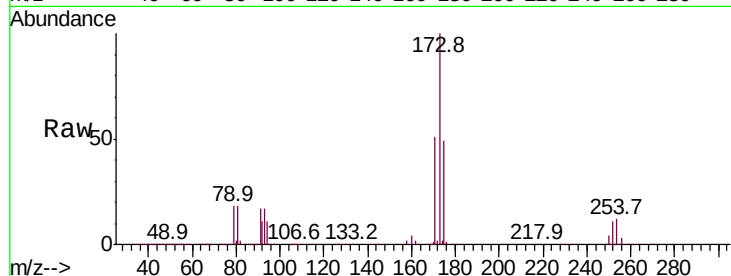
Tot Ion:173 Resp: 198419

Ion Ratio Lower Upper

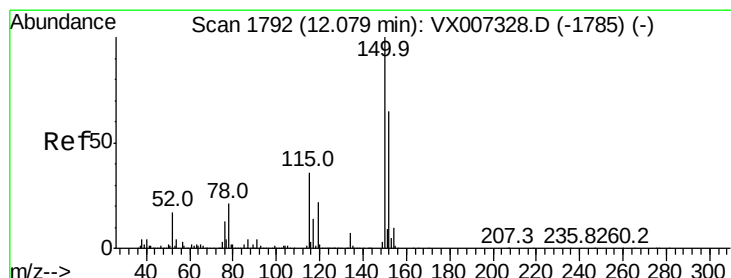
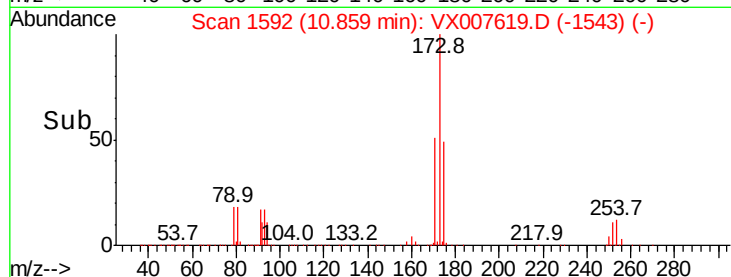
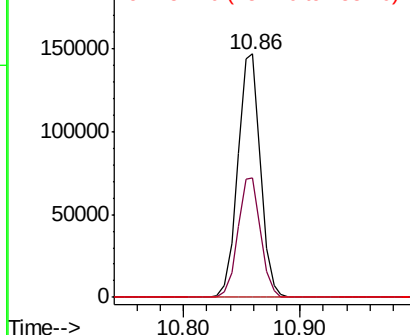
173 100

175 49.2 24.2 72.6

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: VX007619.D

Acq: 19 Feb 2019 17:50

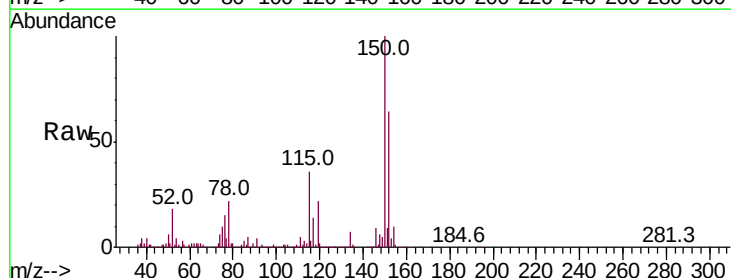
Tgt Ion:152 Resp: 355745

Ion Ratio Lower Upper

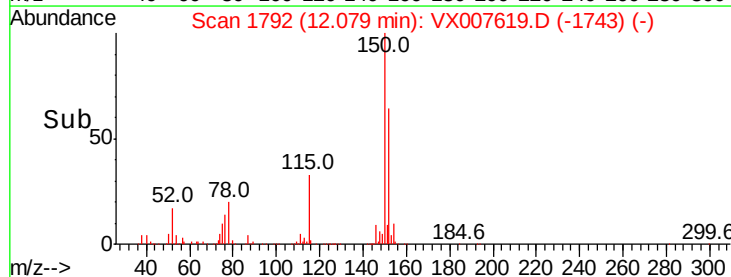
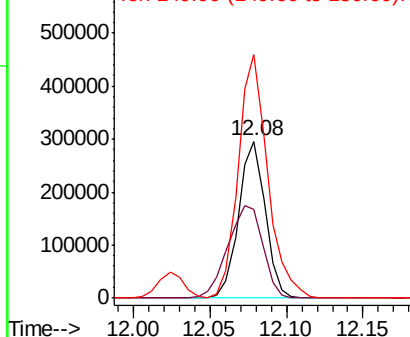
152 100

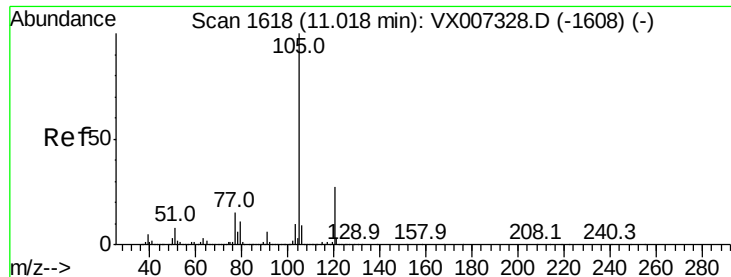
115 77.7 38.0 114.0

150 171.6 0.0 346.4



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





#73

Isopropylbenzene

Concen: 44.519 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

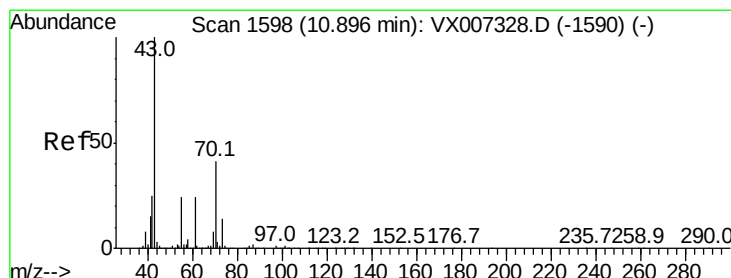
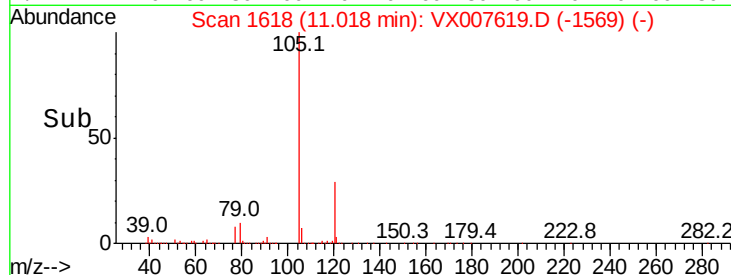
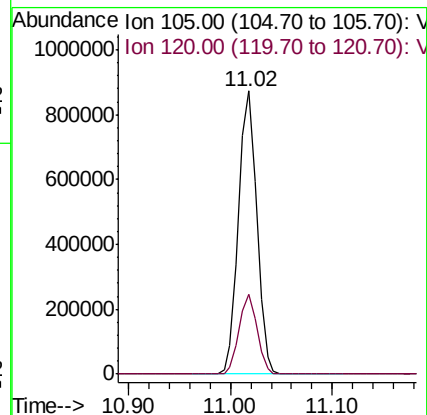
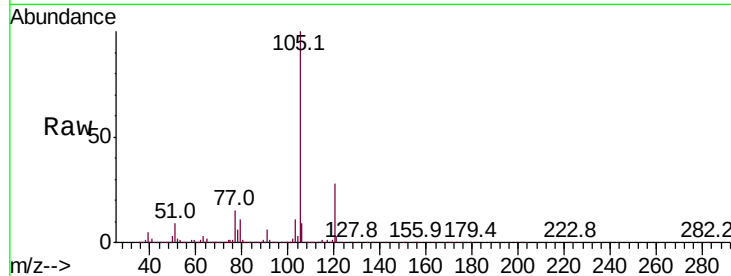
VSTDCCC050EC

Tot Ion:105 Resp: 1076225

Ion Ratio Lower Upper

105 100

120 27.7 13.6 40.7



#74

N-ethyl acetate

Concen: 47.104 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Tgt Ion: 43 Resp: 440451

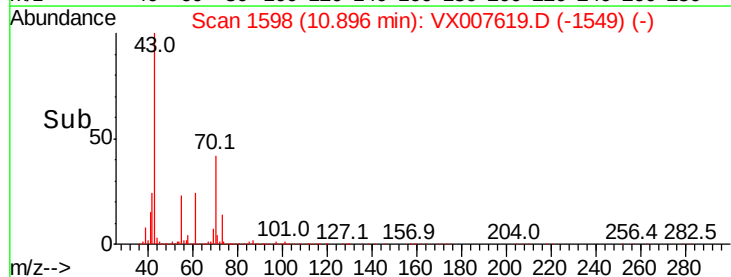
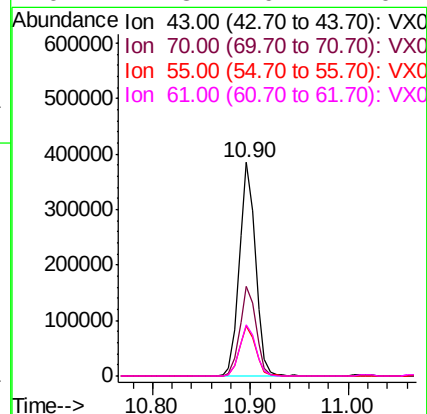
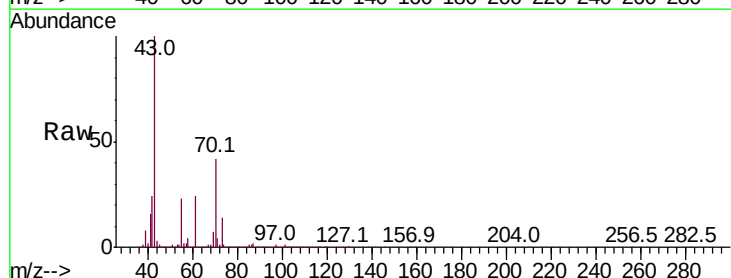
Ion Ratio Lower Upper

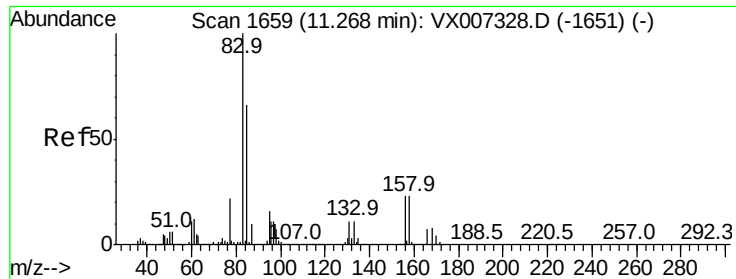
43 100

70 42.4 33.8 50.6

55 23.5 19.5 29.3

61 24.3 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.552 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

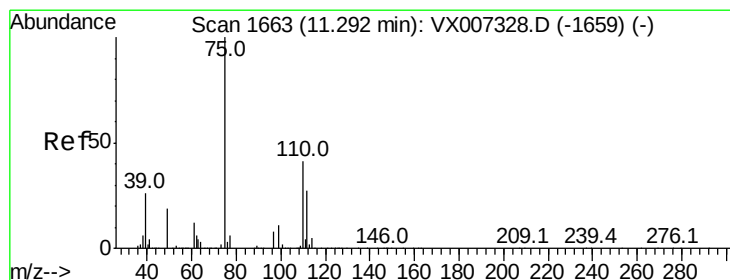
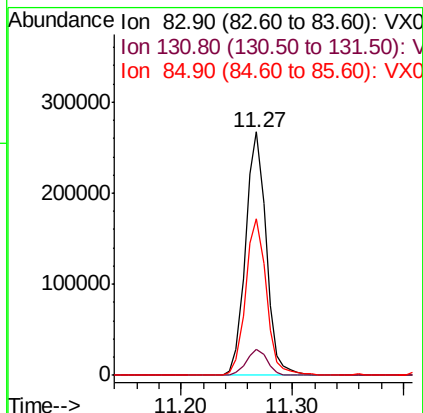
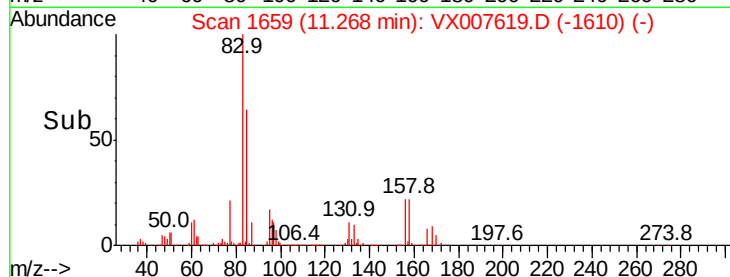
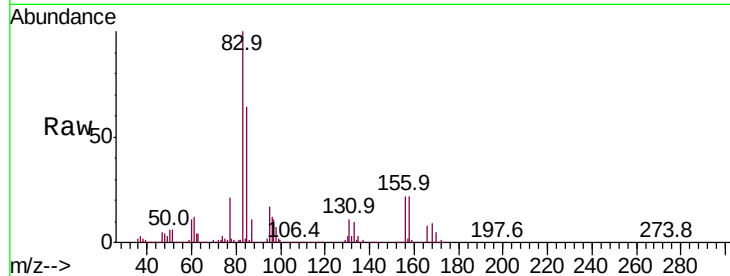
Tot Ion: 83 Resp: 342975

Ion Ratio Lower Upper

83 100

131 10.8 5.7 17.0

85 64.7 32.8 98.3



#76

1,2,3-Trichloropropane

Concen: 59.708 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX007619.D

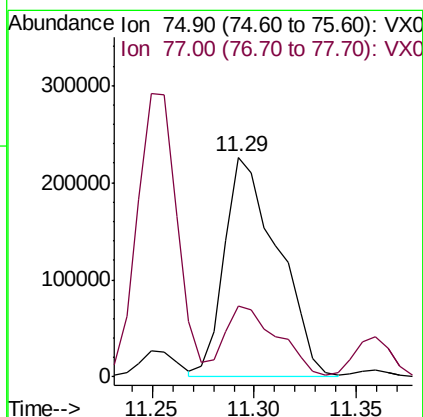
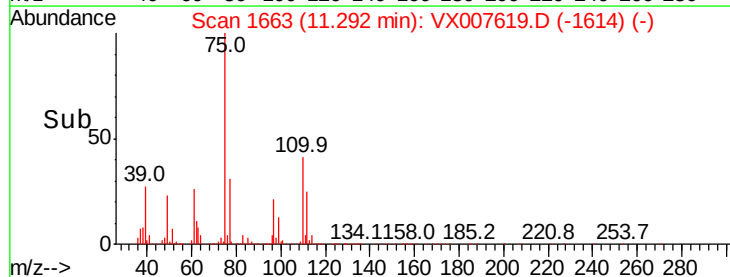
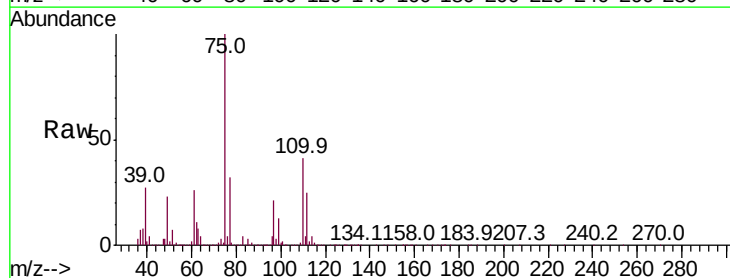
Acq: 19 Feb 2019 17:50

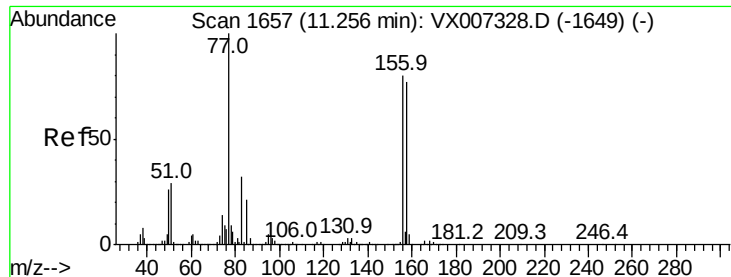
Tgt Ion: 75 Resp: 413160

Ion Ratio Lower Upper

75 100

77 32.1 23.0 69.0





#77

Bromobenzene

Concen: 43.175 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

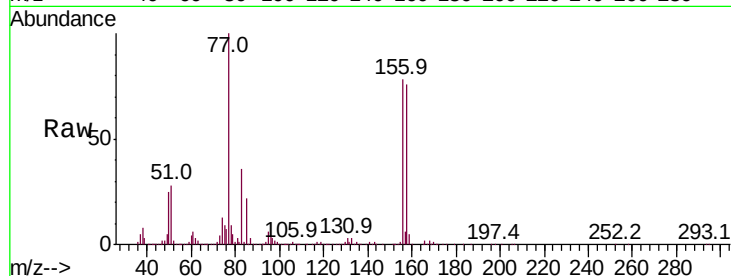
Tot Ion:156 Resp: 294082

Ion Ratio Lower Upper

156 100

77 134.0 66.8 200.6

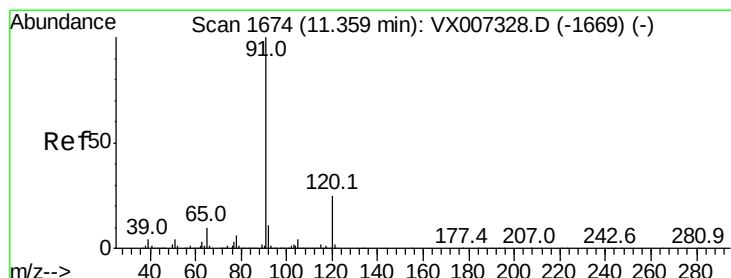
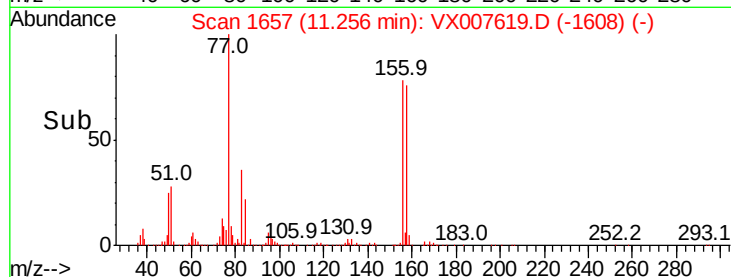
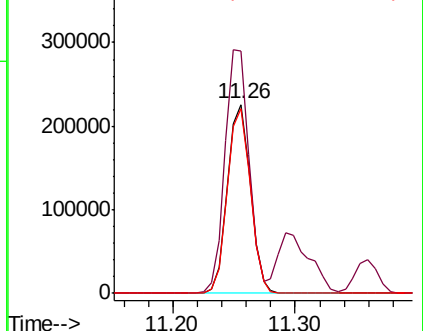
158 98.0 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.222 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007619.D

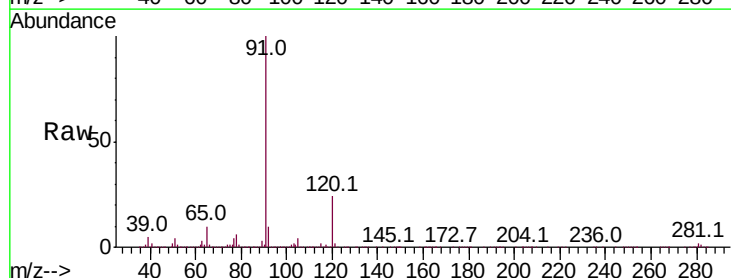
Acq: 19 Feb 2019 17:50

Tgt Ion: 91 Resp: 1304833

Ion Ratio Lower Upper

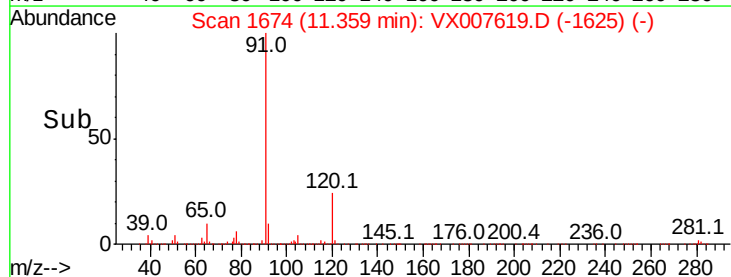
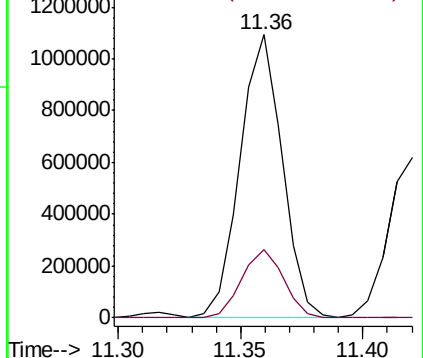
91 100

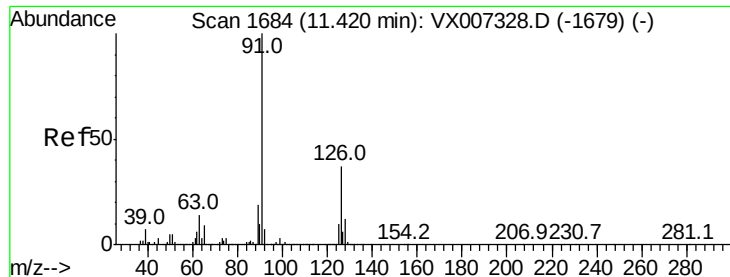
120 24.2 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

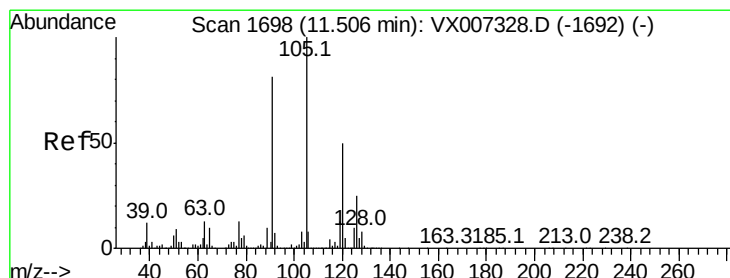
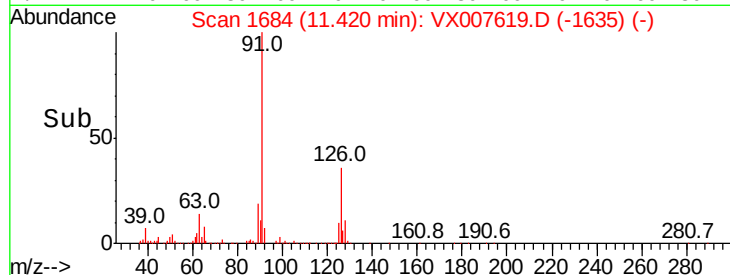
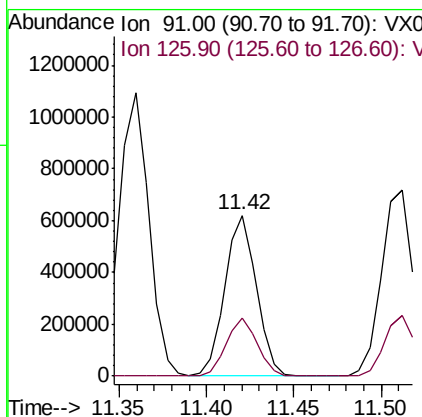
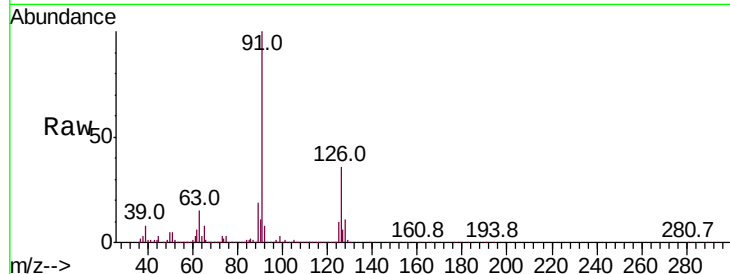




#79
 2-Chlorotoluene
 Concen: 48.097 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

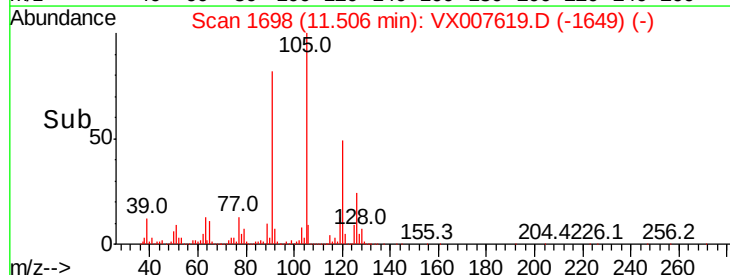
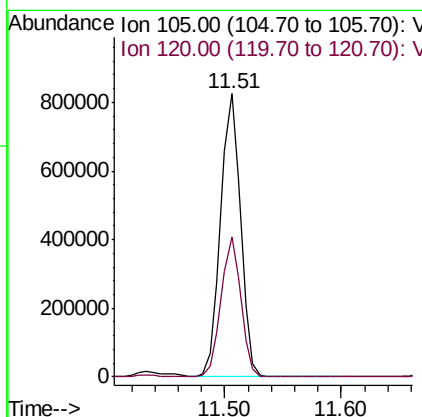
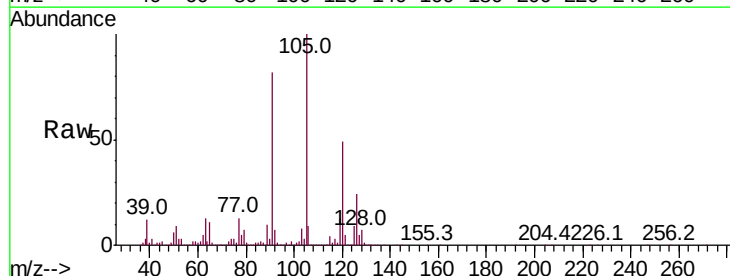
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

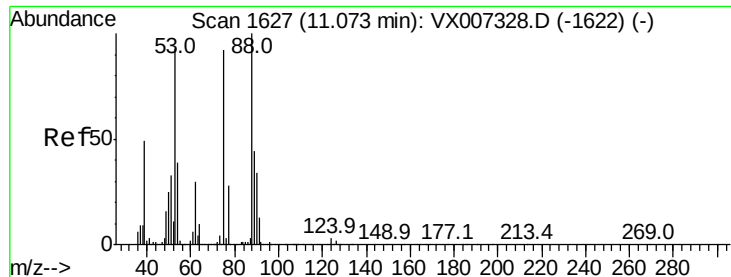
Tot Ion: 91 Resp: 773651
 Ion Ratio Lower Upper
 91 100
 126 35.9 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 49.252 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

Tgt Ion: 105 Resp: 974106
 Ion Ratio Lower Upper
 105 100
 120 49.0 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.268 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

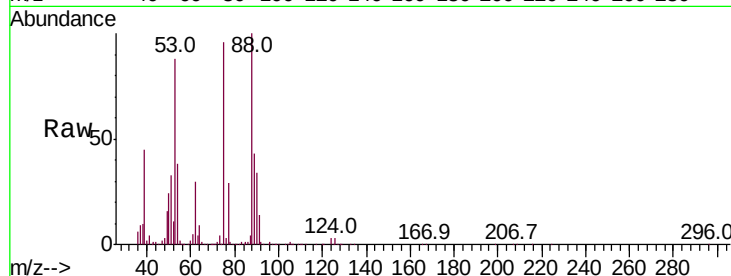
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 102810

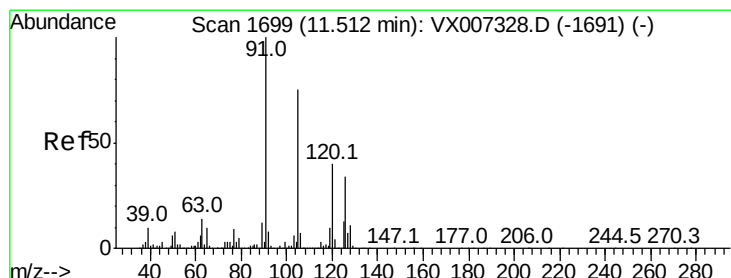
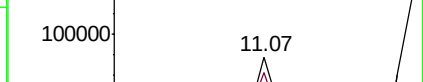
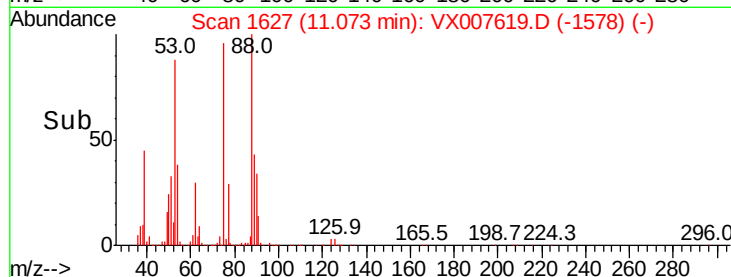
Ion	Ratio	Lower	Upper
75	100		
53	94.4	81.0	121.6
89	46.6	41.4	62.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 48.362 ug/l

RT: 11.51 min Scan# 1699

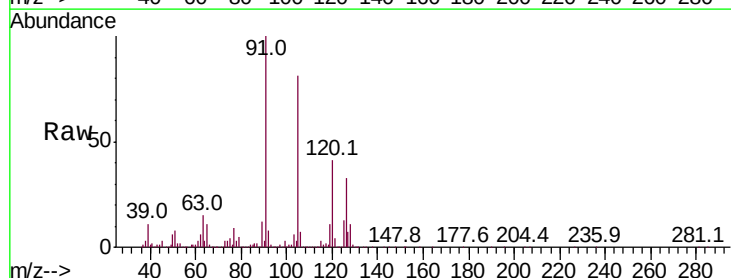
Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

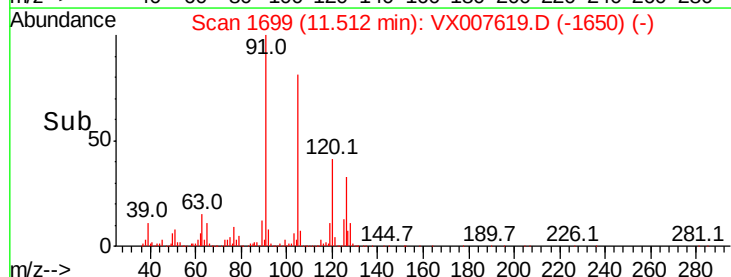
Tgt Ion: 91 Resp: 900135

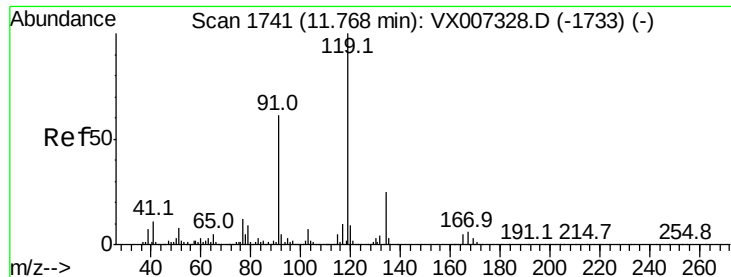
Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.2	48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 48.614 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

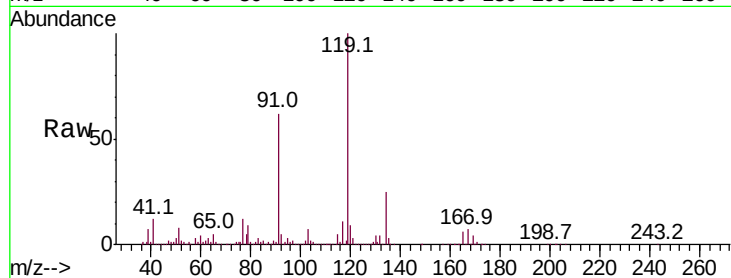
Tot Ion:119 Resp: 951915

Ion Ratio Lower Upper

119 100

91 58.3 28.5 85.6

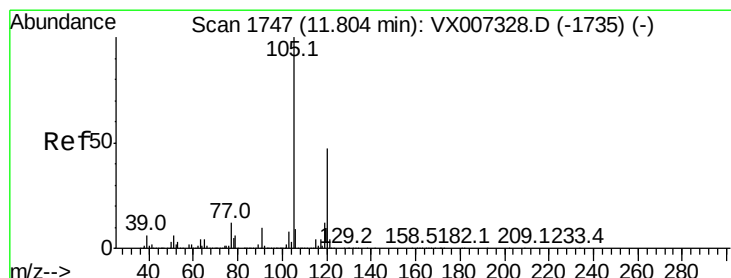
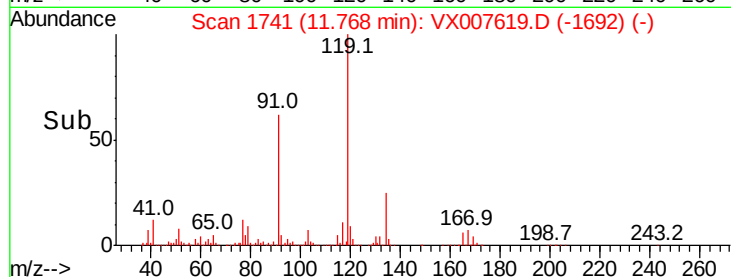
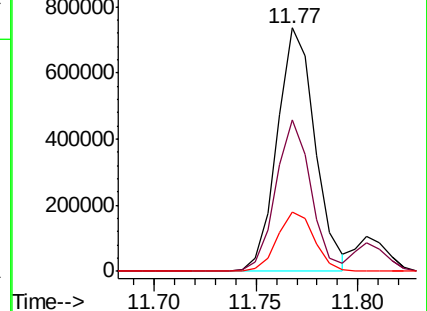
134 24.0 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.551 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007619.D

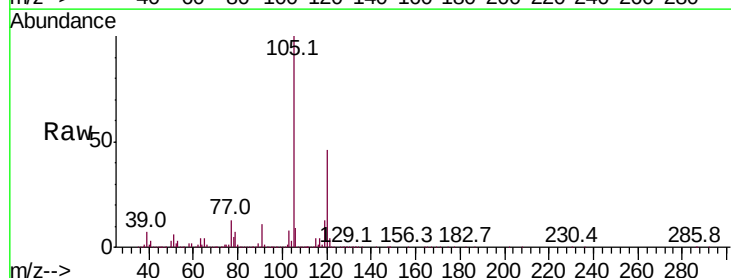
Acq: 19 Feb 2019 17:50

Tgt Ion:105 Resp: 994949

Ion Ratio Lower Upper

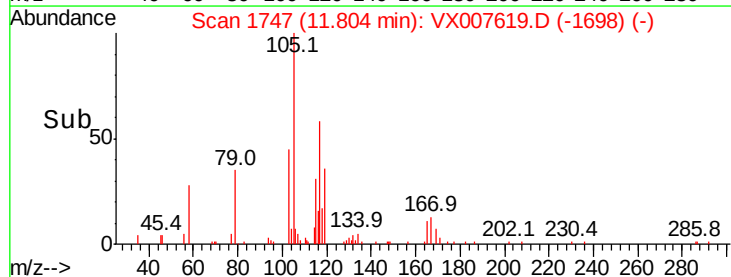
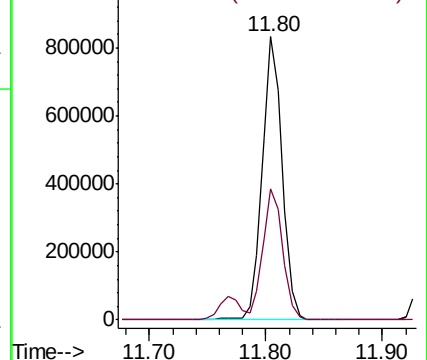
105 100

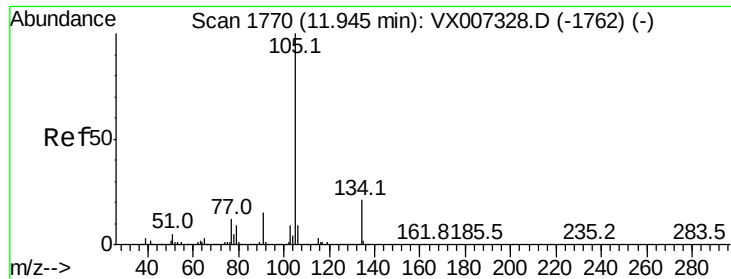
120 45.7 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.367 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

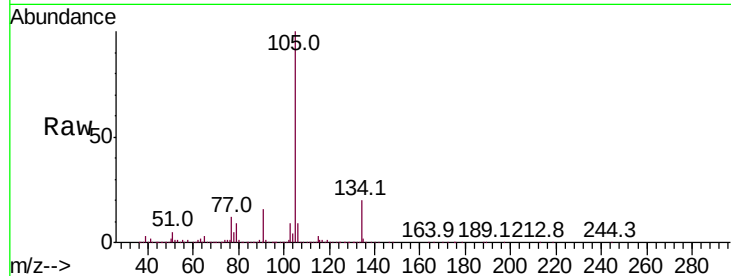
VSTDCCC050EC

Tot Ion:105 Resp: 1169981

Ion Ratio Lower Upper

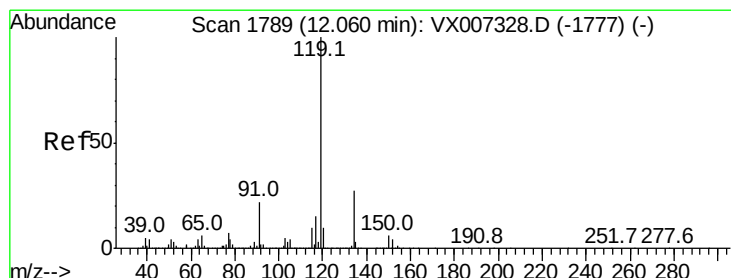
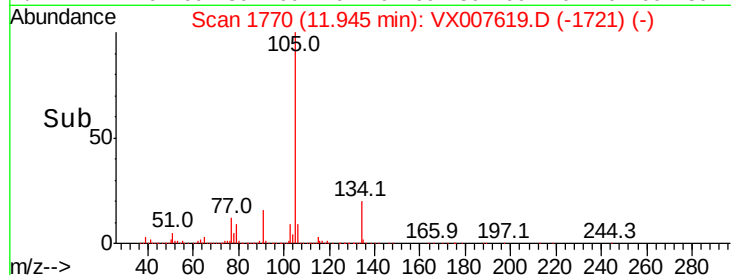
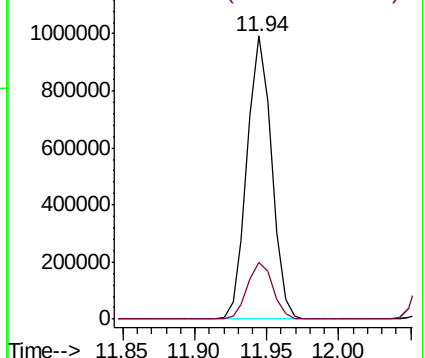
105 100

134 20.7 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.477 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

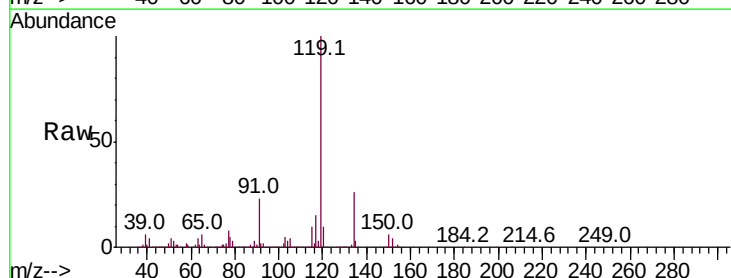
Tgt Ion:119 Resp: 1058493

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

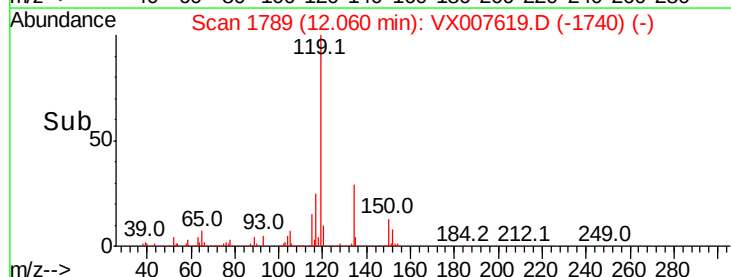
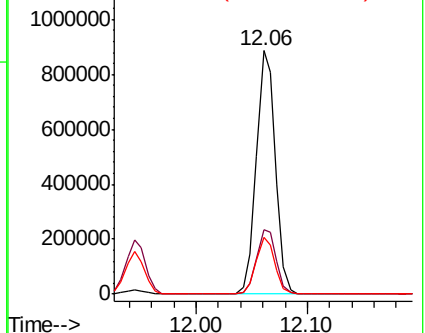
91 23.0 11.2 33.5

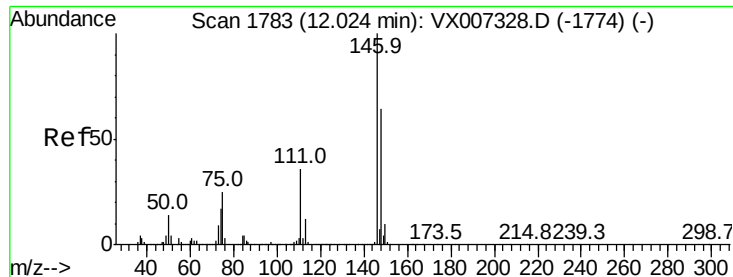


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 44.880 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

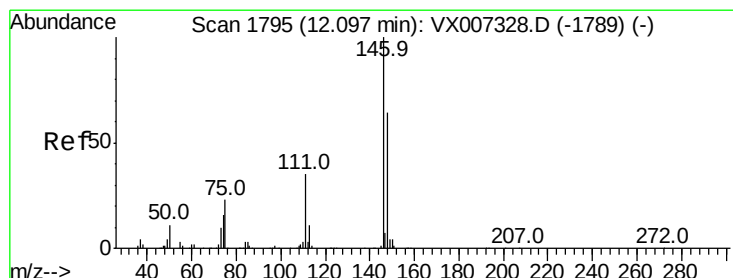
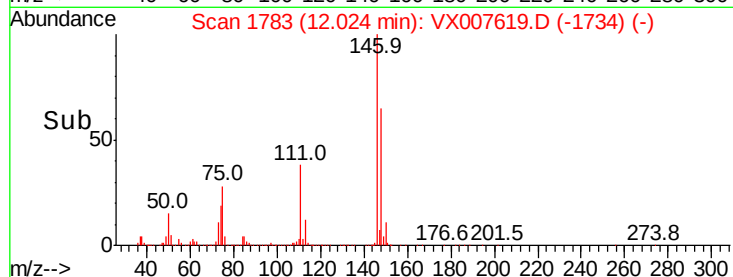
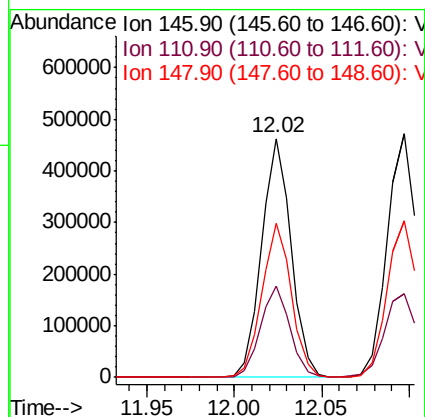
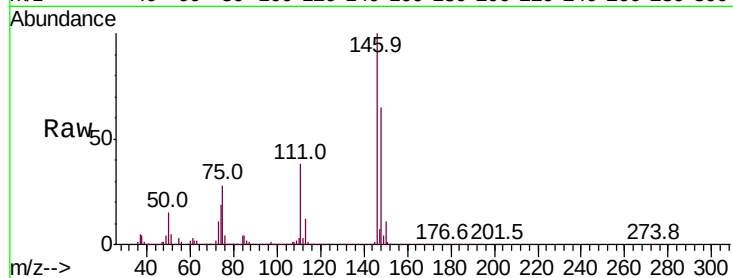
Tot Ion:146 Resp: 548614

Ion Ratio Lower Upper

146 100

111 37.9 18.1 54.1

148 64.3 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 45.184 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

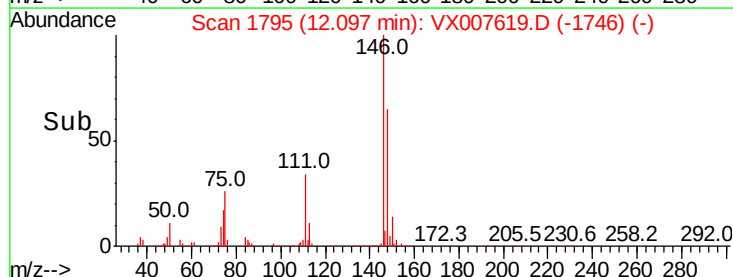
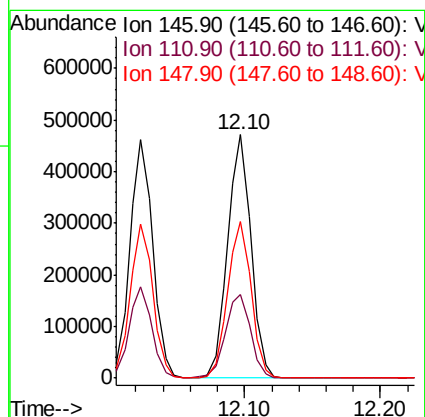
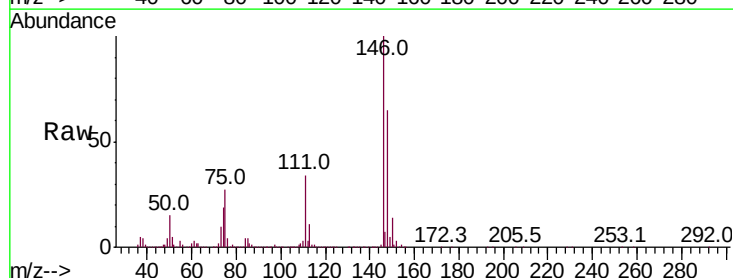
Tgt Ion:146 Resp: 560365

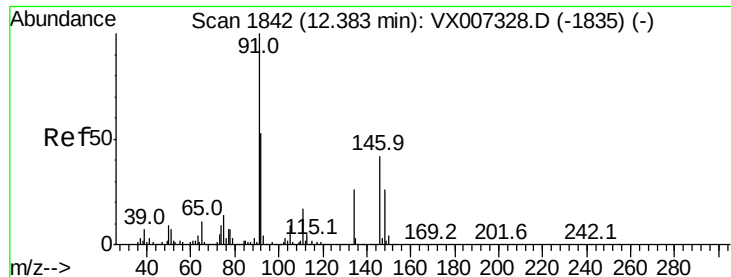
Ion Ratio Lower Upper

146 100

111 37.0 18.1 54.1

148 64.8 32.3 96.9





#89

n-Butylbenzene

Concen: 49.334 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VX007619.D

Acq: 19 Feb 2019 17:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

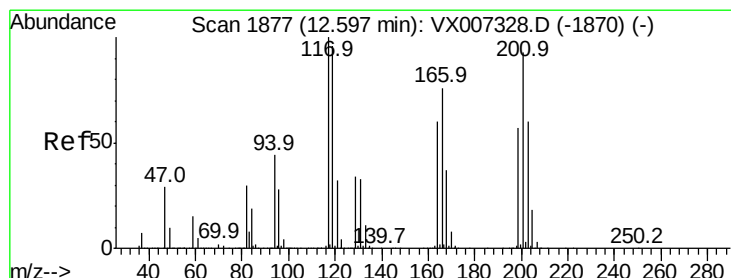
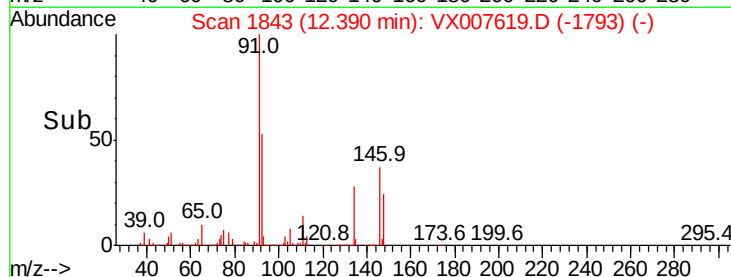
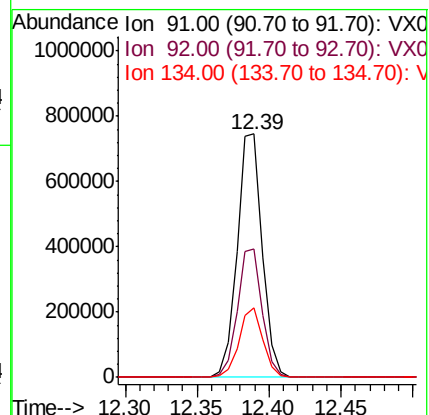
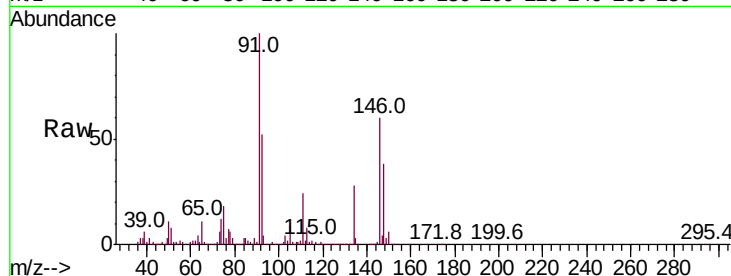
Tot Ion: 91 Resp: 907930

Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	27.1	13.9	41.6

91 100

92 52.2 26.3 78.9

134 27.1 13.9 41.6



#90

Hexachloroethane

Concen: 54.215 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007619.D

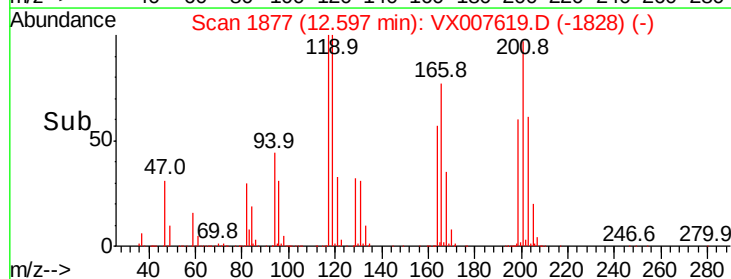
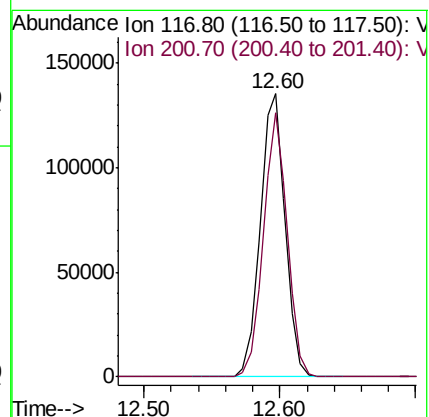
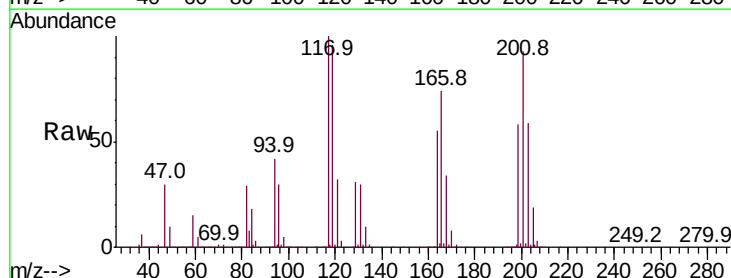
Acq: 19 Feb 2019 17:50

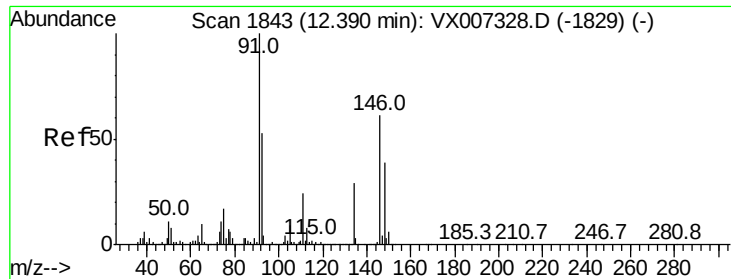
Tgt Ion: 117 Resp: 173586

Ion	Ratio	Lower	Upper
117	100		
201	89.5	44.9	134.7

117 100

201 89.5 44.9 134.7

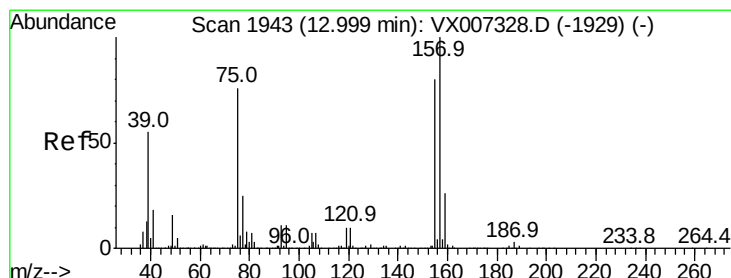
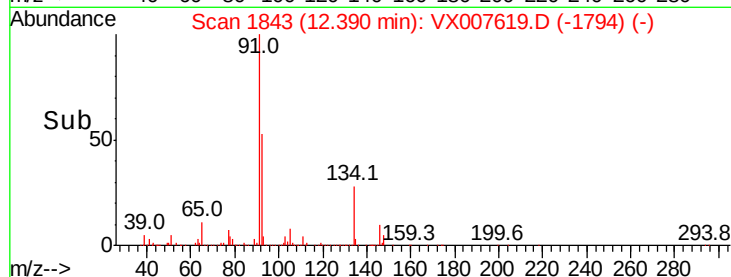
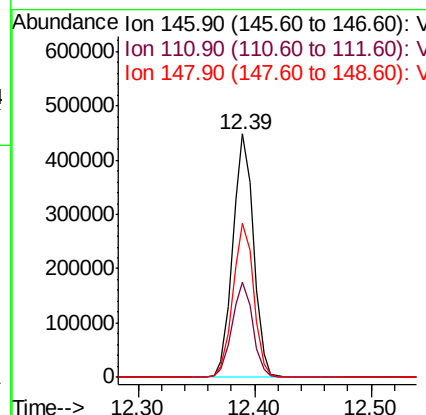
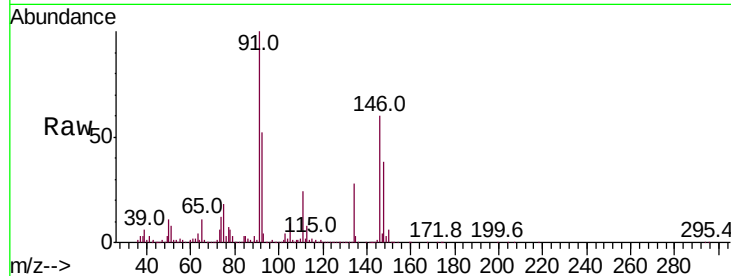




#91
 1,2-Dichlorobenzene
 Concen: 45.532 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

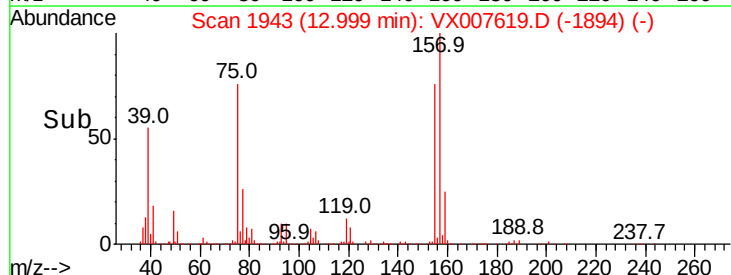
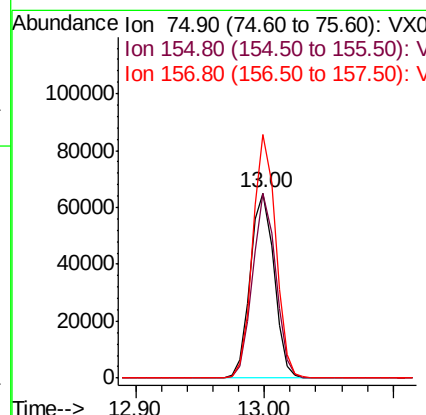
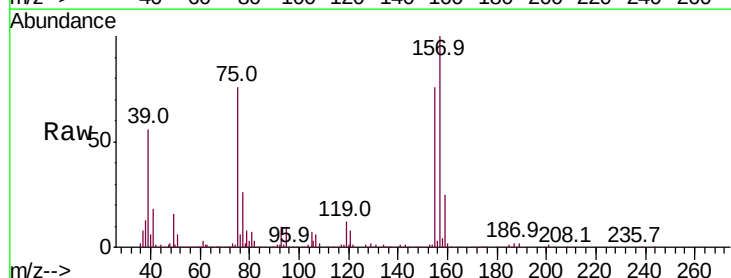
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

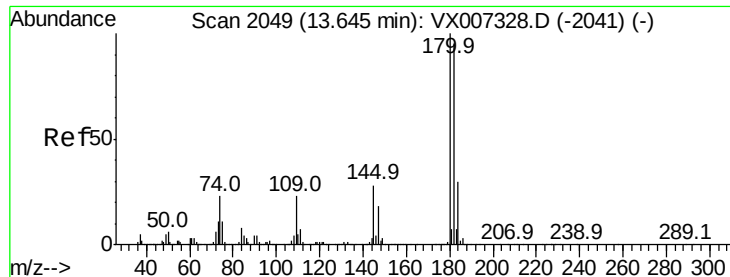
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.3
148	63.6	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.204 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	49.6	149.0
157	125.9	65.1	195.3

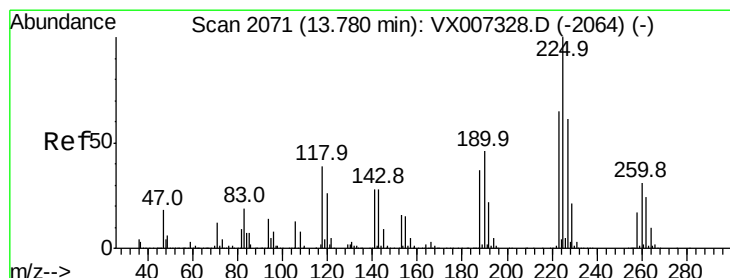
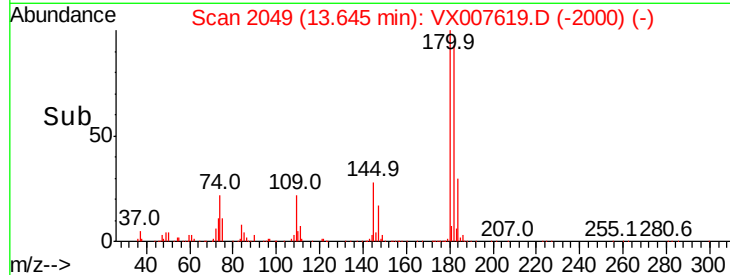
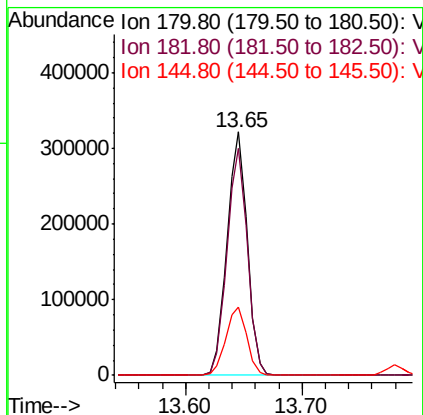
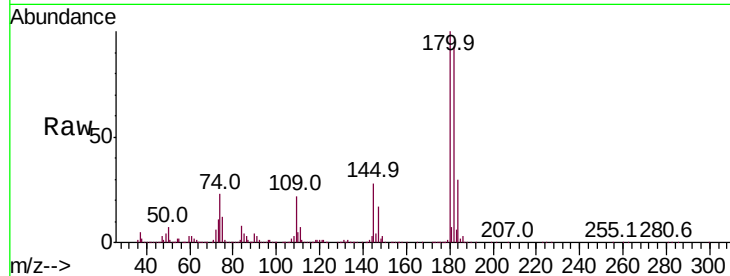




#93
 1,2,4-Trichlorobenzene
 Concen: 47.141 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

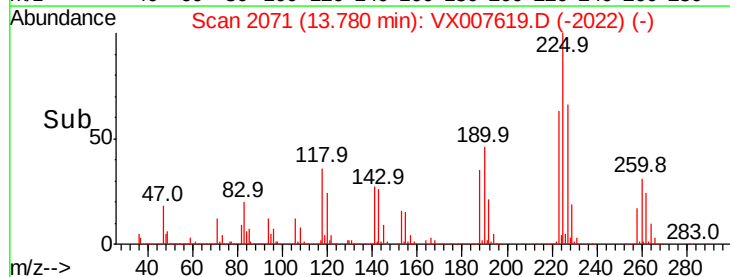
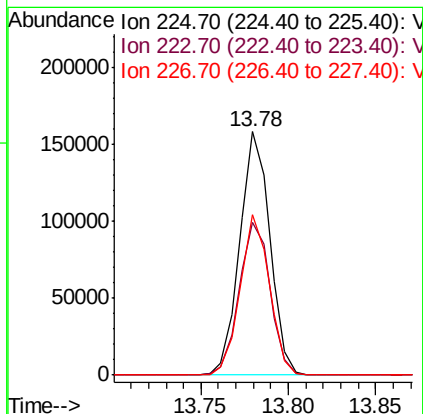
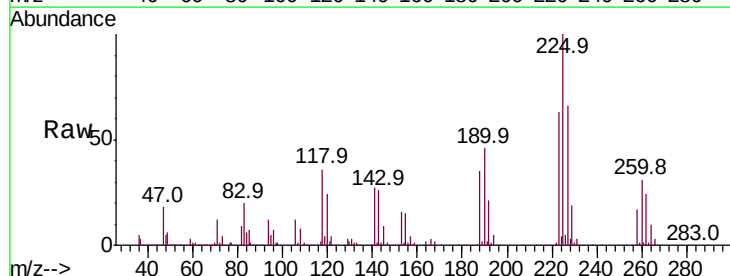
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

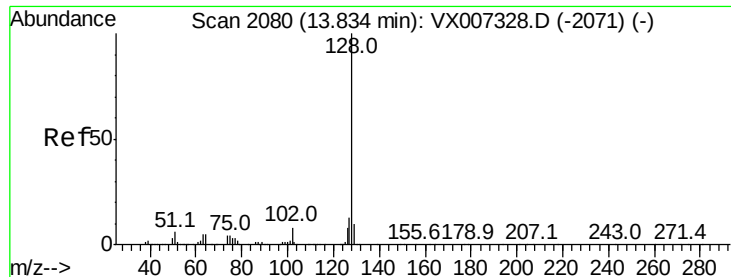
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.8	143.3
145	28.9	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: 47.496 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007619.D
 Acq: 19 Feb 2019 17:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.6	94.8
227	64.1	32.1	96.3

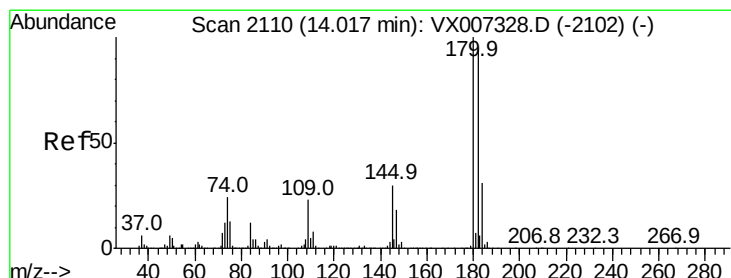
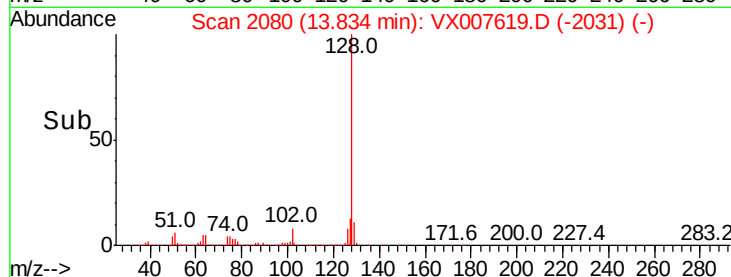
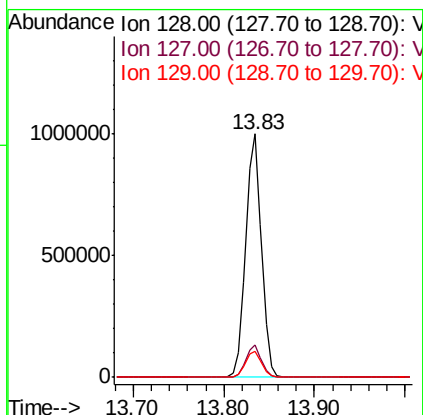
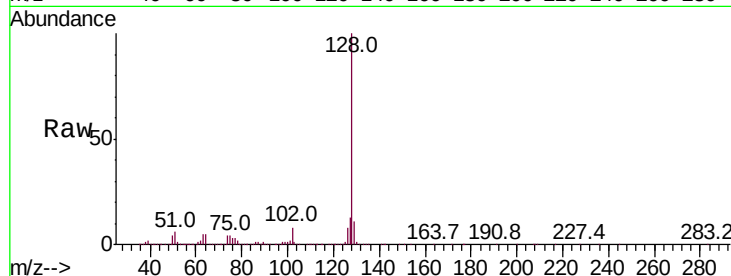




#95
Naphthalene
Concen: 49.887 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1196874
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 46.736 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007619.D
Acq: 19 Feb 2019 17:50

Tgt Ion:180 Resp: 385957
Ion Ratio Lower Upper
180 100
182 94.4 47.5 142.6
145 30.6 14.9 44.5

