

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022219\
 Data File : VX007647.D
 Acq On : 22 Feb 2019 09:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 23 01:19:09 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	5.66	168	419138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	599038	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	556882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	299324	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	223246	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
35) Dibromofluoromethane	5.50	113	205518	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
50) Toluene-d8	8.71	98	745487	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	11.13	95	271395	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	216152	41.996	ug/l	98
3) Chloromethane	1.33	50	184239	39.026	ug/l	98
4) Vinyl Chloride	1.41	62	203843	44.013	ug/l	99
5) Bromomethane	1.64	94	197517	43.063	ug/l	97
6) Chloroethane	1.71	64	130061	43.411	ug/l	99
7) Trichlorofluoromethane	1.93	101	316771	43.722	ug/l	99
8) Diethyl Ether	2.19	74	119514	43.827	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	192686	44.710	ug/l	99
10) Methyl Iodide	2.51	142	269107	42.448	ug/l	99
11) Tert butyl alcohol	3.07	59	206771	224.584	ug/l	100
12) 1,1-Dichloroethene	2.37	96	168917	42.209	ug/l	96
13) Acrolein	2.29	56	96308	223.073	ug/l	97
14) Allyl chloride	2.73	41	283890	43.537	ug/l	99
15) Acrylonitrile	3.15	53	516066	226.585	ug/l	99
16) Acetone	2.45	43	585514	287.315	ug/l	96
17) Carbon Disulfide	2.57	76	381222	37.005	ug/l	99
18) Methyl Acetate	2.78	43	287535	54.103	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	584507	45.083	ug/l	98
20) Methylene Chloride	2.85	84	191635	46.007	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	174773	40.997	ug/l	96
22) Diisopropyl ether	3.87	45	560554	46.735	ug/l	99
23) Vinyl Acetate	3.82	43	2365453	237.659	ug/l	99
24) 1,1-Dichloroethane	3.70	63	326624	47.419	ug/l	99
25) 2-Butanone	4.70	43	789161	272.110	ug/l	100
26) 2,2-Dichloropropane	4.58	77	261070	49.769	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	213989	45.957	ug/l	98
28) Bromochloromethane	5.01	49	150488	47.509	ug/l	100
29) Tetrahydrofuran	5.15	42	452385	248.018	ug/l	99
30) Chloroform	5.21	83	353644	49.202	ug/l	100
31) Cyclohexane	5.57	56	265208	42.870	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	299479	49.362	ug/l	99
36) 1,1-Dichloropropene	5.79	75	242213	45.064	ug/l	100
37) Ethyl Acetate	4.85	43	261621	48.152	ug/l	99
38) Carbon Tetrachloride	5.78	117	265771	50.969	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	293242	45.094	ug/l	97
40) Benzene	6.14	78	742398	46.891	ug/l	99
41) Methacrylonitrile	5.06	41	146665	50.366	ug/l	99
42) 1,2-Dichloroethane	6.20	62	256812	46.881	ug/l	98
43) Isopropyl Acetate	6.46	43	425802	50.773	ug/l	100
44) Trichloroethene	7.21	130	221436	46.438	ug/l	100
45) 1,2-Dichloropropane	7.51	63	195953	49.397	ug/l	99
46) Dibromomethane	7.66	93	135528	47.007	ug/l	99
47) Bromodichloromethane	7.90	83	261132	53.442	ug/l	99
48) Methyl methacrylate	7.77	41	215868	51.461	ug/l	98
49) 1,4-Dioxane	7.75	88	93943	984.858	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1415578	256.410	ug/l	100
52) Toluene	8.78	92	485143	47.493	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	283886	54.088	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	308344	53.422	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	212148	49.823	ug/l	97
56) Ethyl methacrylate	9.18	69	297253	50.404	ug/l	98
57) 1,3-Dichloropropane	9.37	76	331754	48.992	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	806387	259.419	ug/l	100
59) 2-Hexanone	9.49	43	1144865	266.492	ug/l	99
60) Dibromochloromethane	9.58	129	229385	56.960	ug/l	99
61) 1,2-Dibromoethane	9.67	107	223210	49.500	ug/l	100
64) Tetrachloroethene	9.34	164	230646	43.943	ug/l	98
65) Chlorobenzene	10.13	112	570109	46.914	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	217049	53.273	ug/l	99
67) Ethyl Benzene	10.25	91	936657	47.863	ug/l	100
68) m/p-Xylenes	10.36	106	735679	94.570	ug/l	100
69) o-Xylene	10.69	106	356422	47.615	ug/l	99
70) Styrene	10.71	104	596542	49.139	ug/l	99
71) Bromoform	10.85	173	170566	47.914	ug/l	98
73) Isopropylbenzene	11.02	105	976043	47.985	ug/l	99
74) N-amyl acetate	10.90	43	374916	47.654	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	304308	49.090	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	353146	60.655	ug/l	79
77) Bromobenzene	11.26	156	262203	45.751	ug/l	99
78) n-propylbenzene	11.36	91	1107996	49.675	ug/l	99
79) 2-Chlorotoluene	11.42	91	637388	47.095	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	812084	48.800	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	92750	49.304	ug/l	94
82) 4-Chlorotoluene	11.51	91	754791	48.198	ug/l	100
83) tert-Butylbenzene	11.77	119	804513	48.830	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	826512	48.921	ug/l	100
85) sec-Butylbenzene	11.94	105	1002111	50.254	ug/l	100
86) p-Isopropyltoluene	12.06	119	904169	50.230	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	478429	46.515	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	482562	46.245	ug/l	99
89) n-Butylbenzene	12.39	91	784210	50.644	ug/l	100
90) Hexachloroethane	12.60	117	151270	56.150	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	476685	46.570	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	65900	51.126	ug/l	98

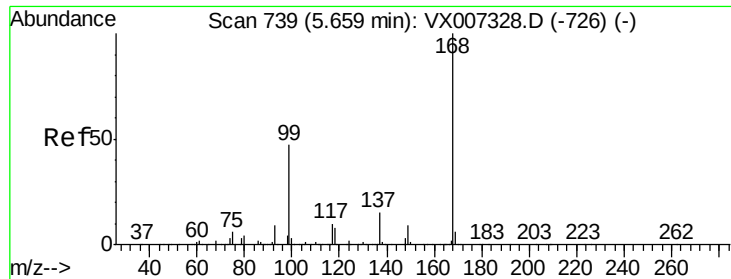
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	340414	49.314	ug/l	100
94) Hexachlorobutadiene	13.78	225	166681	49.727	ug/l	99
95) Naphthalene	13.83	128	1001491	49.612	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	333090	47.937	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

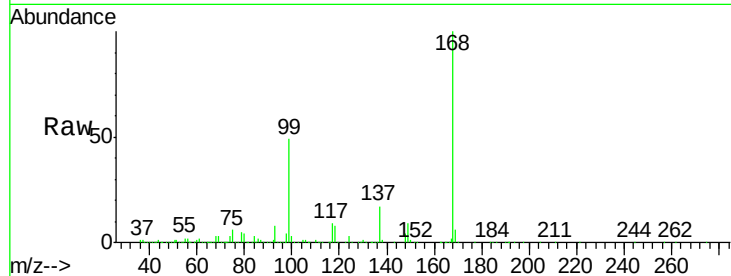
VSTDCCC050

Tot Ion:168 Resp: 419138

Ion Ratio Lower Upper

168 100

99 48.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

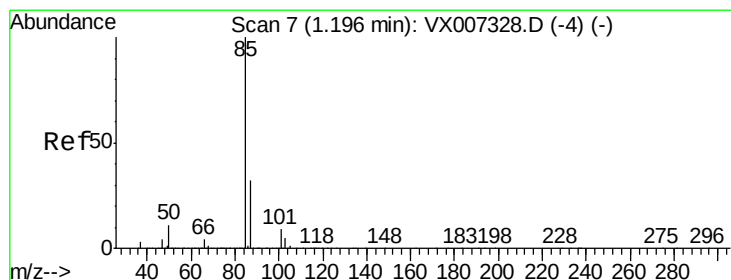
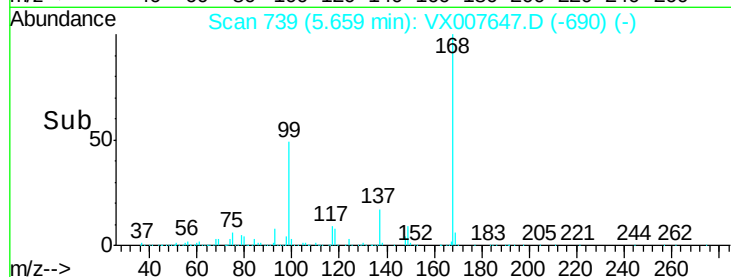
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 41.996 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007647.D

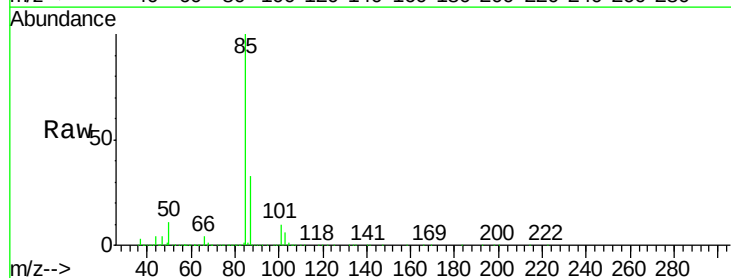
Acq: 22 Feb 2019 09:13

Tgt Ion: 85 Resp: 216152

Ion Ratio Lower Upper

85 100

87 32.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

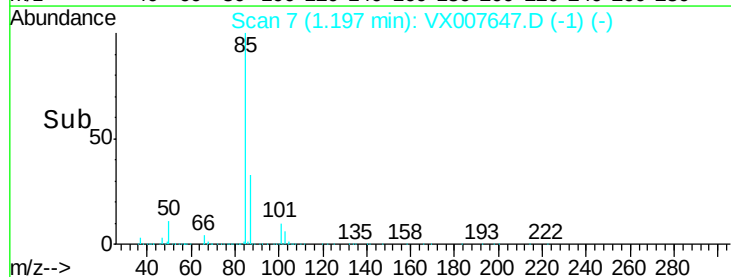
150000

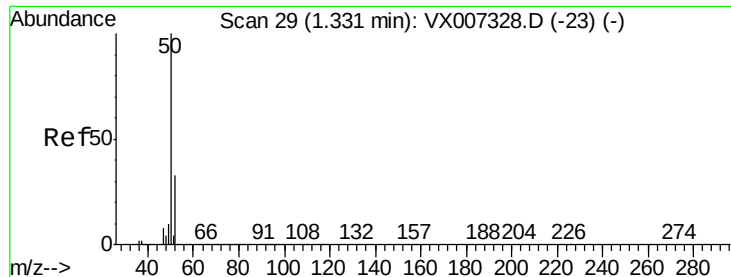
100000

50000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 39.026 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

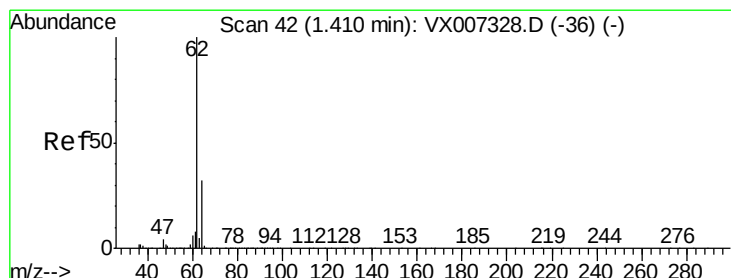
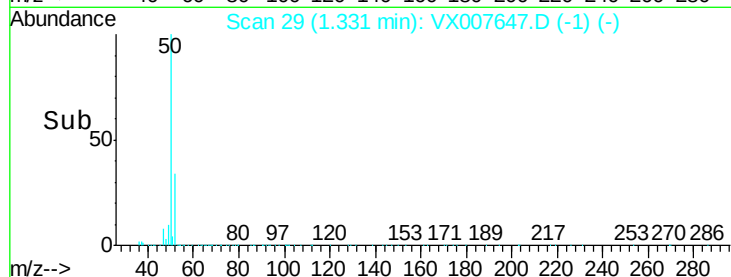
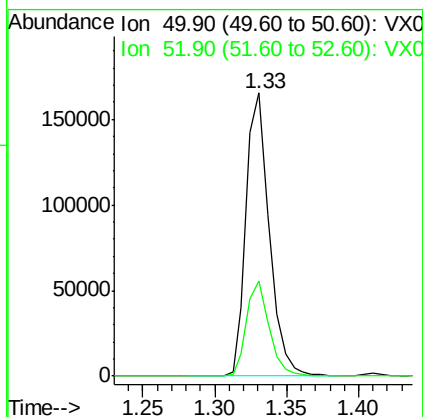
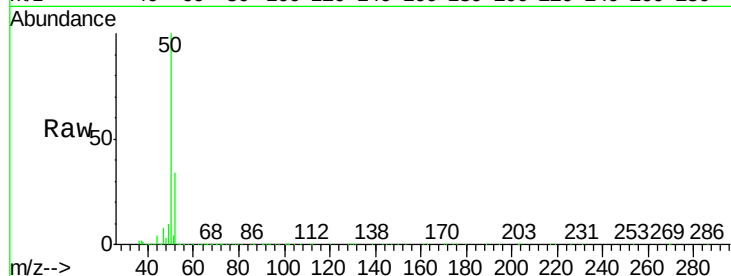
VSTDCCC050

Tot Ion: 50 Resp: 184239

Ion Ratio Lower Upper

50 100

52 33.8 26.1 39.1



#4

Vinyl Chloride

Concen: 44.013 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007647.D

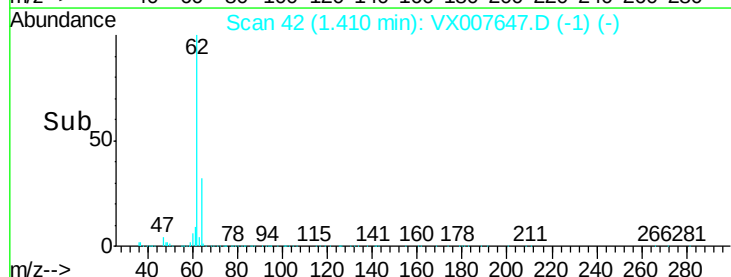
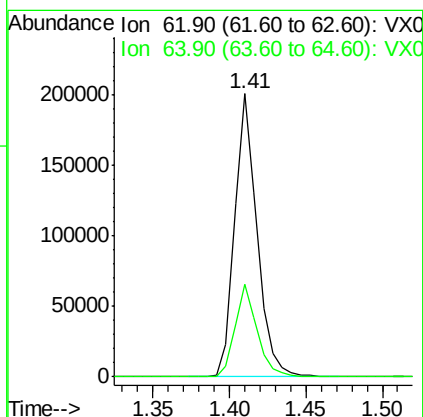
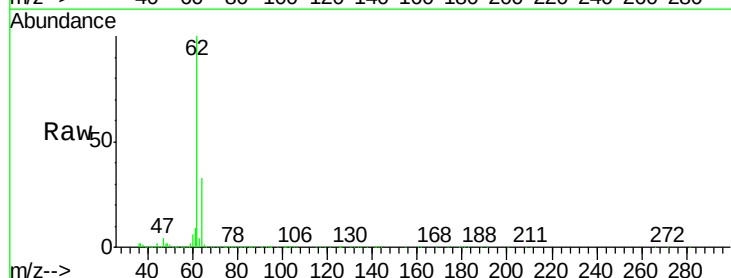
Acq: 22 Feb 2019 09:13

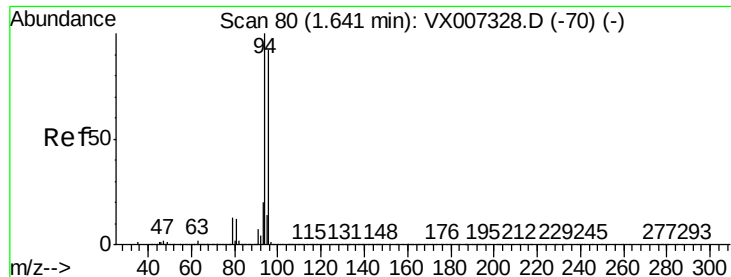
Tgt Ion: 62 Resp: 203843

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0





#5

Bromomethane

Concen: 43.063 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

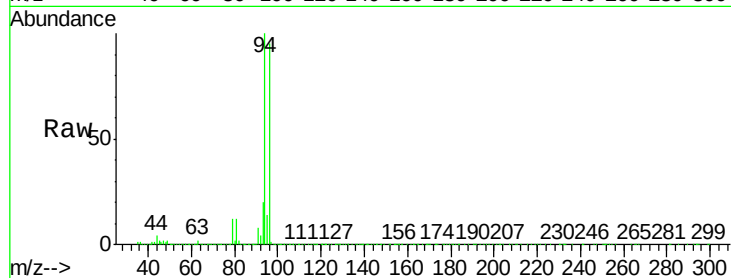
VSTDCCC050

Tot Ion: 94 Resp: 197517

Ion Ratio Lower Upper

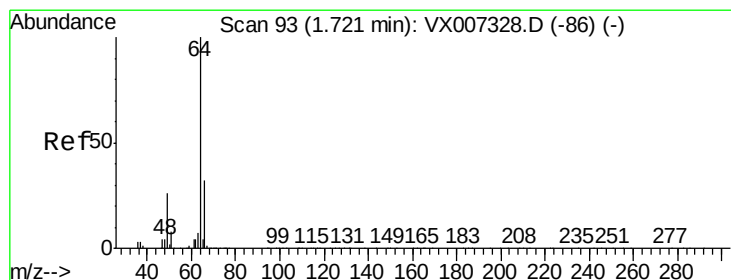
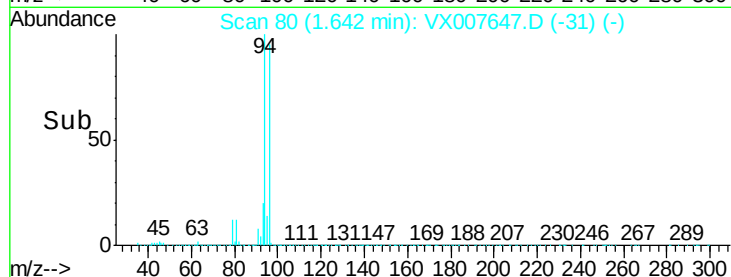
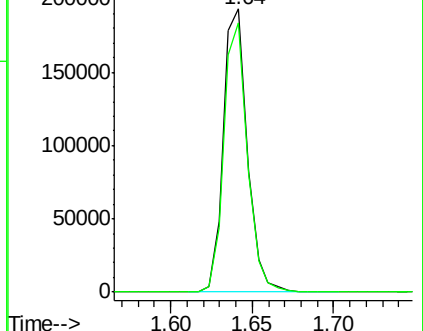
94 100

96 95.1 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 43.411 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007647.D

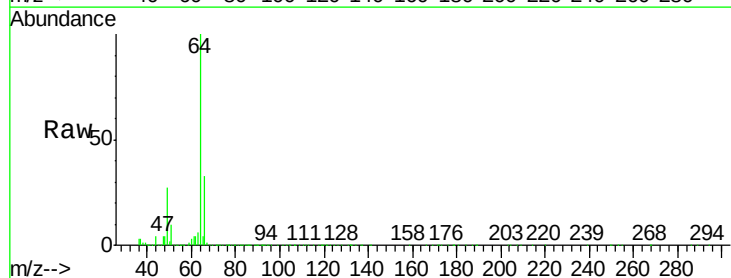
Acq: 22 Feb 2019 09:13

Tgt Ion: 64 Resp: 130061

Ion Ratio Lower Upper

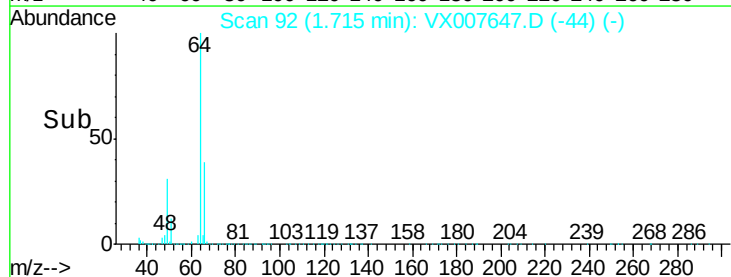
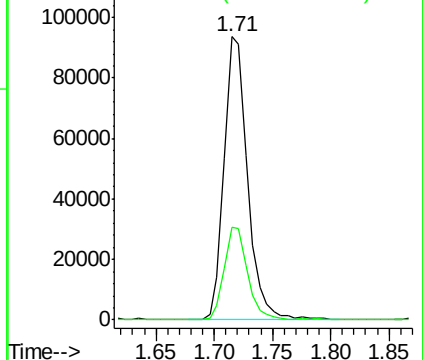
64 100

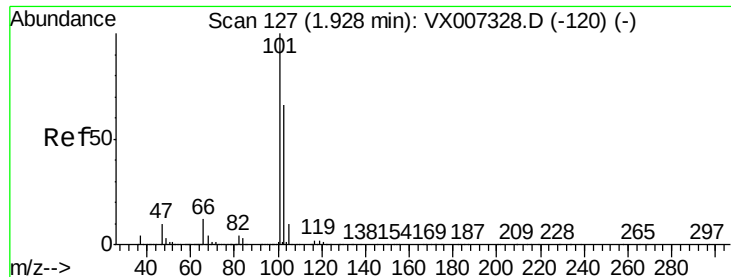
66 32.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



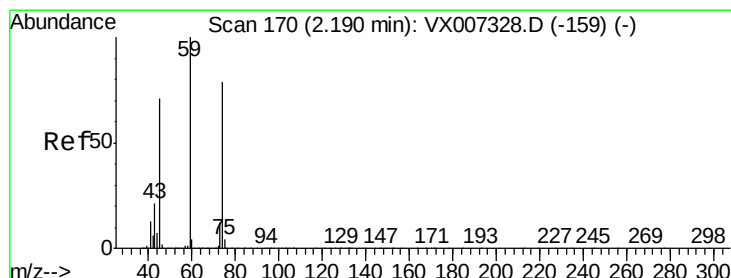
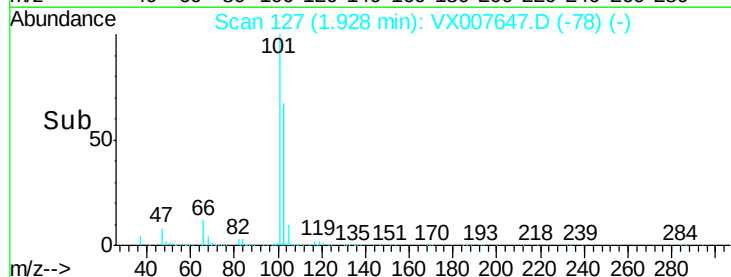
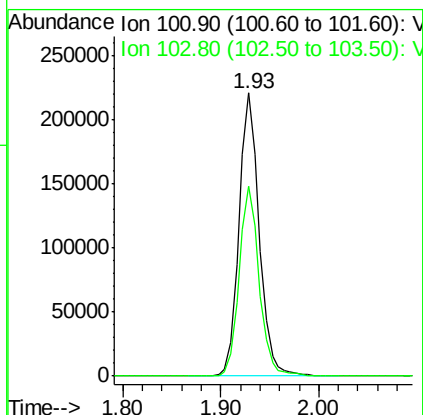
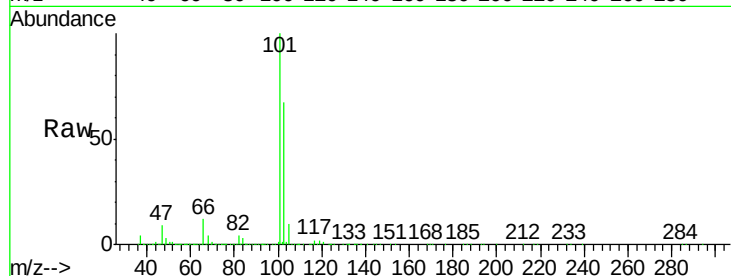


#7

Trichlorofluoromethane
Concen: 43.722 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Instrument :
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VSTDCCC050

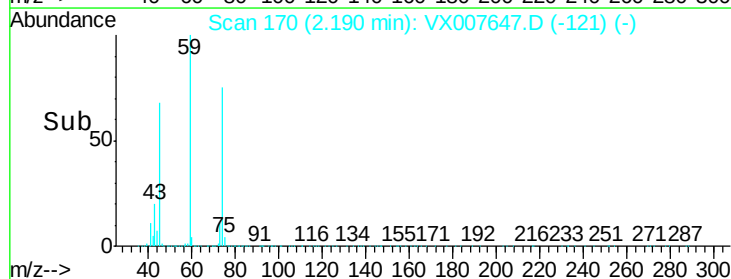
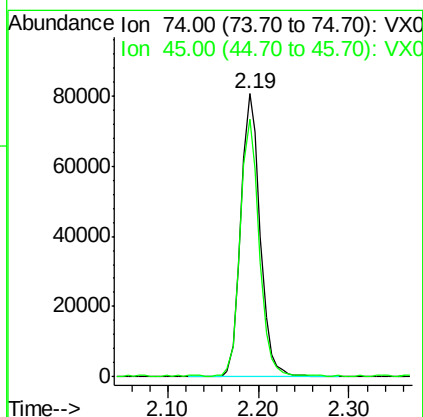
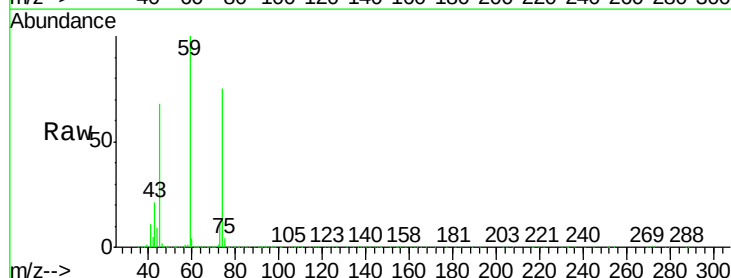
Tot Ion:101 Resp: 316771
Ion Ratio Lower Upper
101 100
103 66.9 52.6 79.0

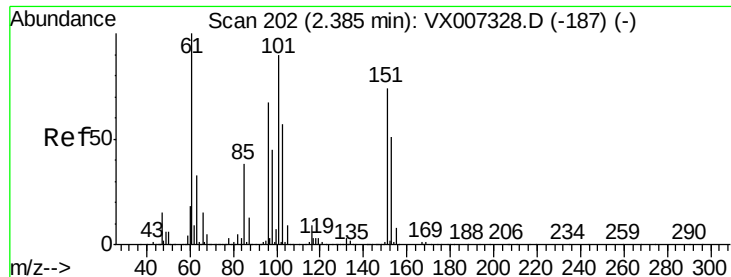


#8

Diethyl Ether
Concen: 43.827 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Tgt Ion: 74 Resp: 119514
Ion Ratio Lower Upper
74 100
45 88.3 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.710 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

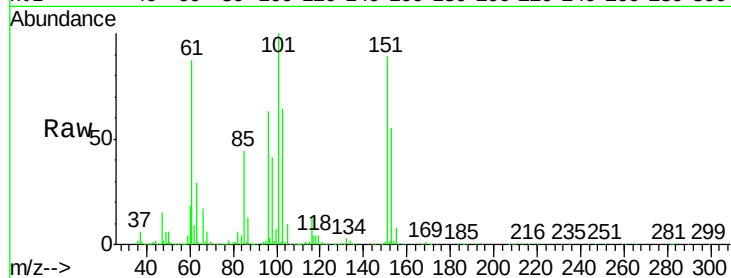
Tot Ion:101 Resp: 192686

Ion Ratio Lower Upper

101 100

85 43.7 34.1 51.1

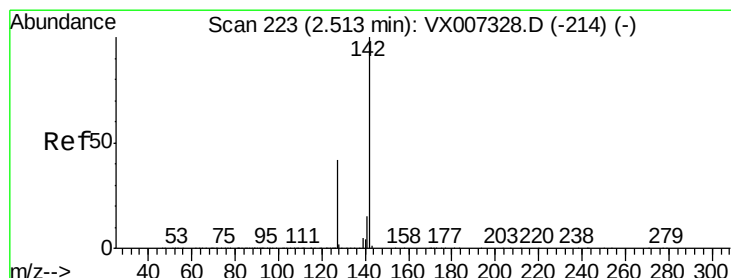
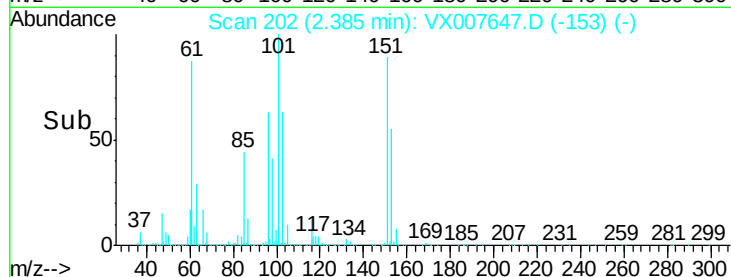
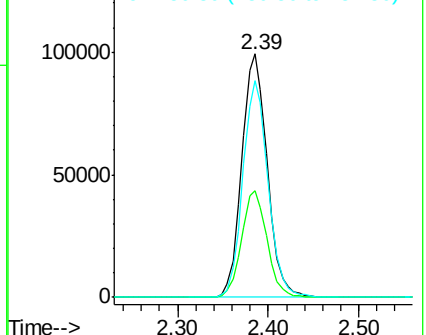
151 88.3 69.9 104.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.448 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

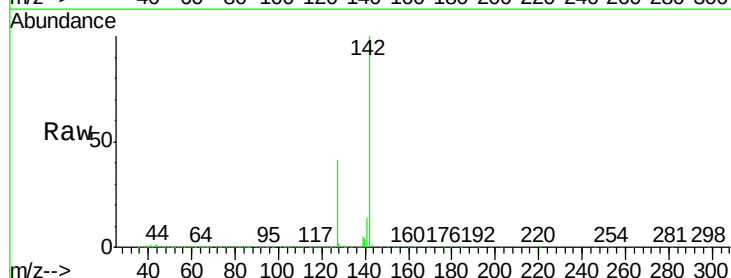
Tgt Ion:142 Resp: 269107

Ion Ratio Lower Upper

142 100

127 42.6 33.7 50.5

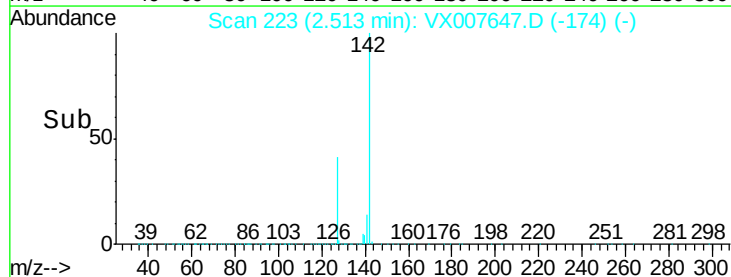
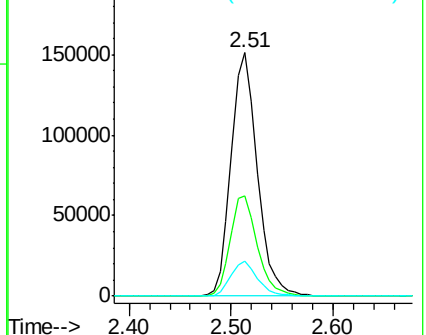
141 14.6 11.3 16.9

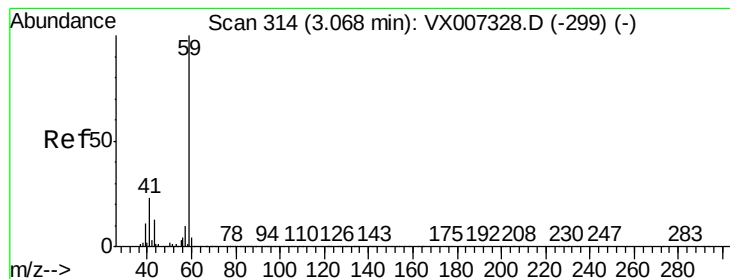


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



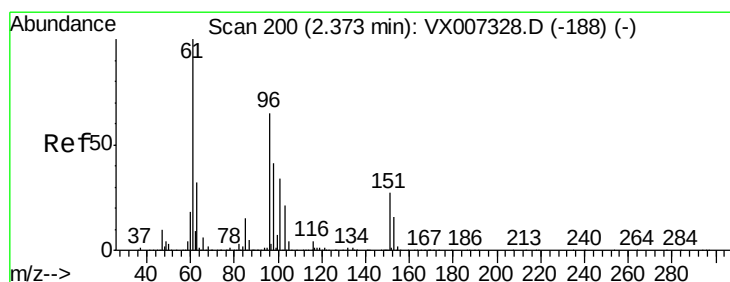
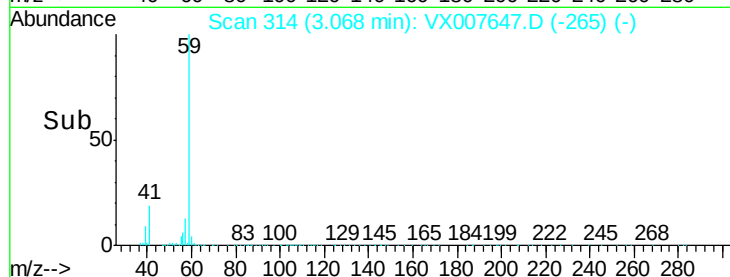
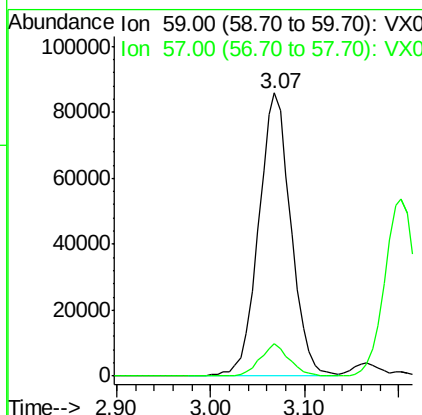
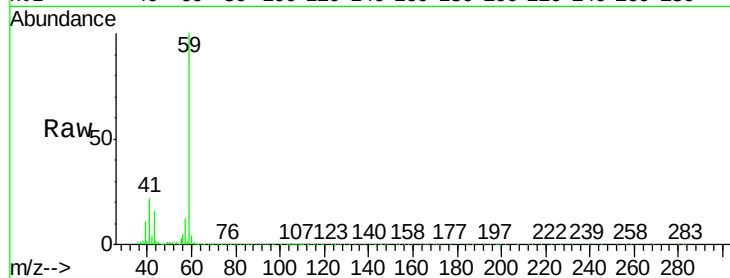


#11

Tert butyl alcohol
 Concen: 224.584 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. 0.00 min
 Lab File: VX007647.D
 Acq: 22 Feb 2019 09:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

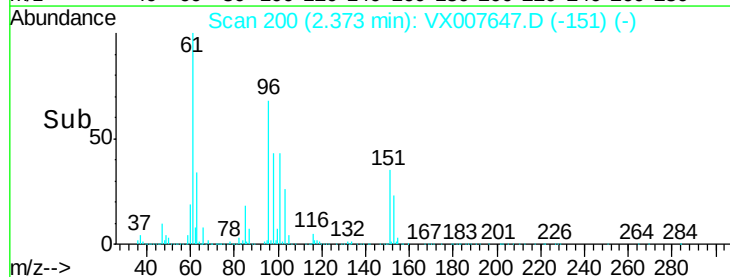
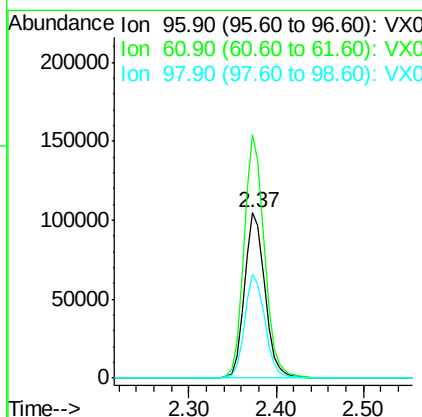
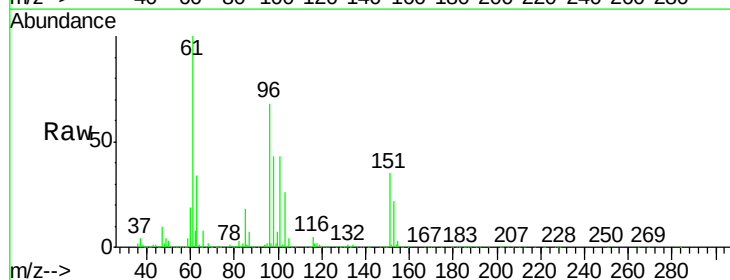
Tot Ion: 59 Resp: 206771
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.1 12.1

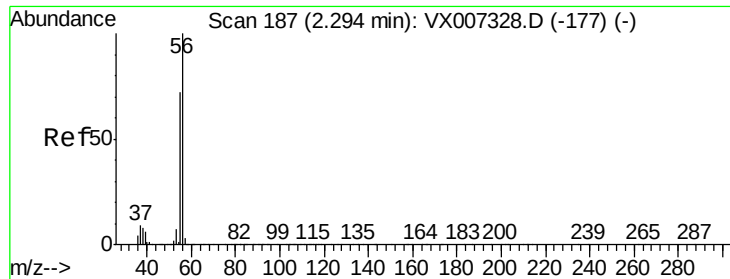


#12

1,1-Dichloroethene
 Concen: 42.209 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX007647.D
 Acq: 22 Feb 2019 09:13

Tgt Ion: 96 Resp: 168917
 Ion Ratio Lower Upper
 96 100
 61 147.2 123.0 184.4
 98 63.3 50.9 76.3

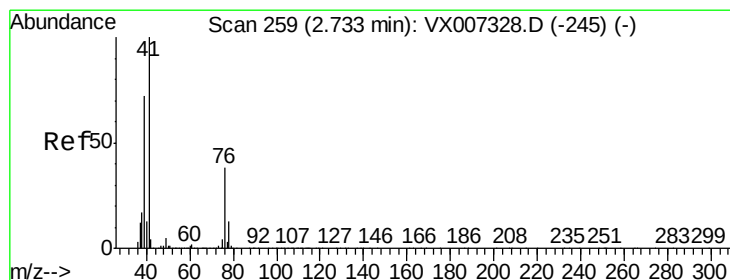
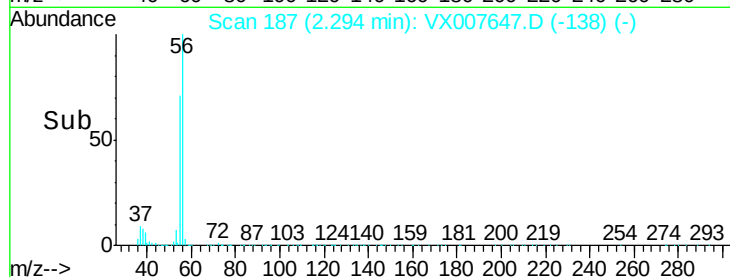
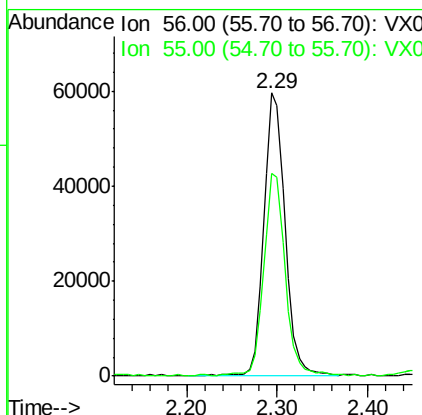
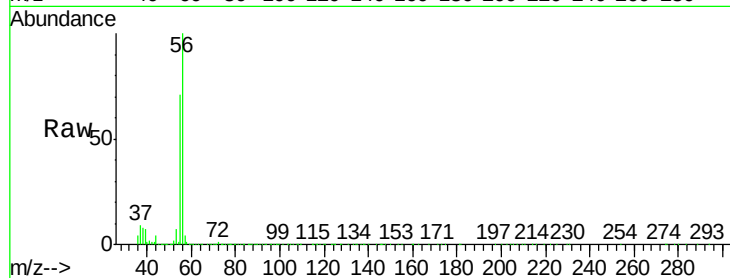




#13
Acrolein
Concen: 223.073 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

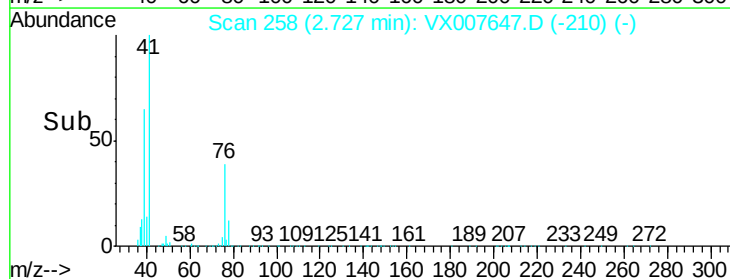
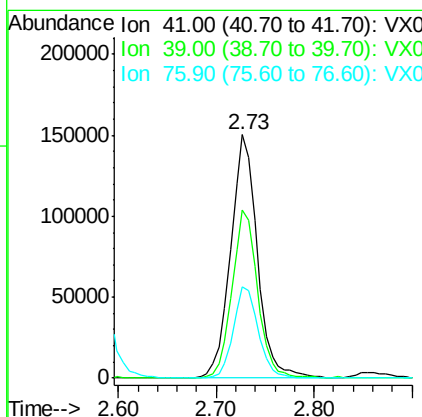
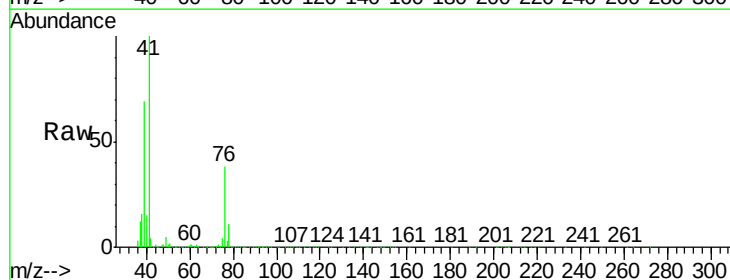
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

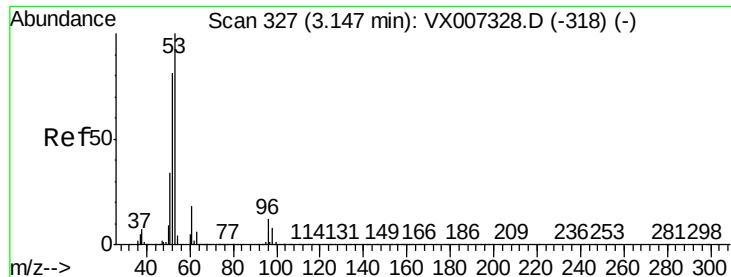
Tot Ion: 56 Resp: 96308
Ion Ratio Lower Upper
56 100
55 73.6 56.9 85.3



#14
Allyl chloride
Concen: 43.537 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Tgt Ion: 41 Resp: 283890
Ion Ratio Lower Upper
41 100
39 66.0 54.1 81.1
76 35.1 27.8 41.8





#15

Acrylonitrile

Concen: 226.585 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

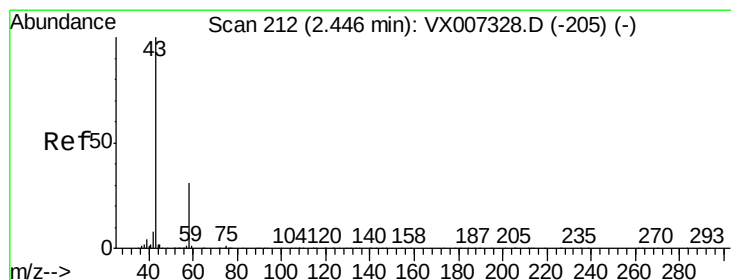
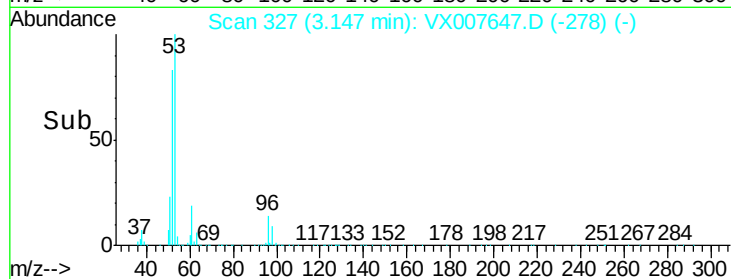
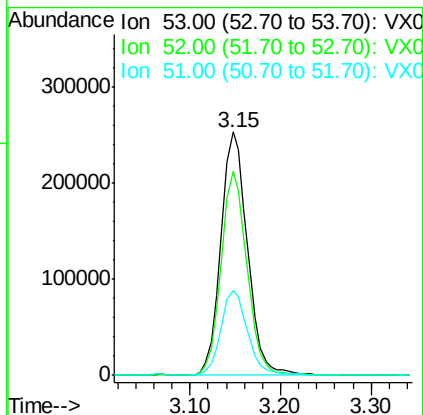
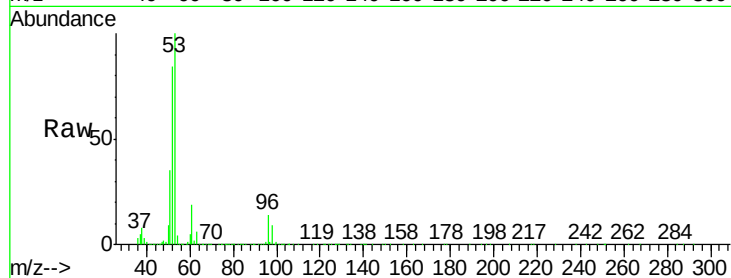
Tot Ion: 53 Resp: 516066

Ion Ratio Lower Upper

53 100

52 81.9 66.4 99.6

51 35.2 28.4 42.6



#16

Acetone

Concen: 287.315 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007647.D

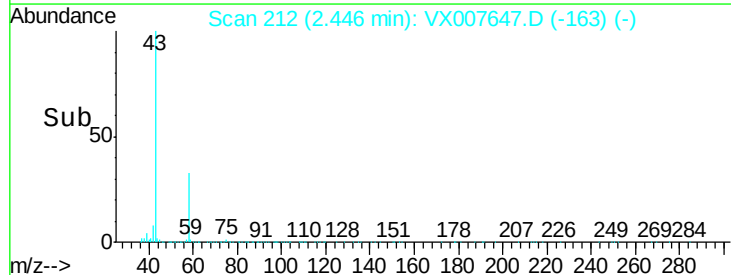
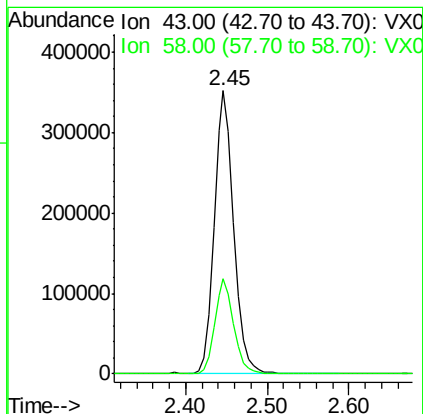
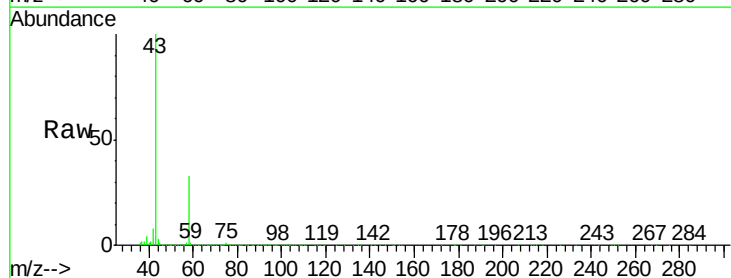
Acq: 22 Feb 2019 09:13

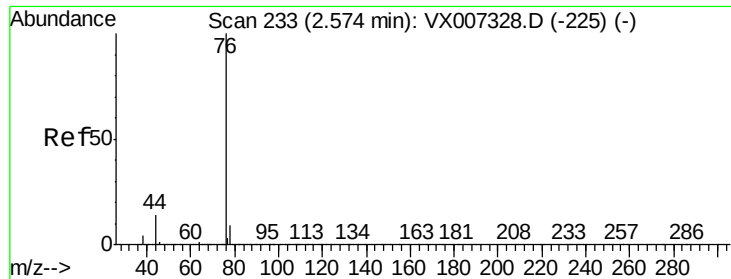
Tgt Ion: 43 Resp: 585514

Ion Ratio Lower Upper

43 100

58 33.5 24.9 37.3

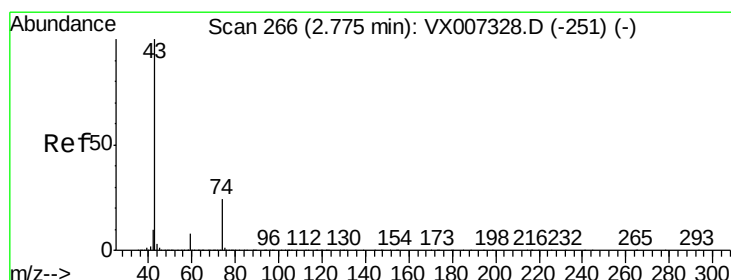
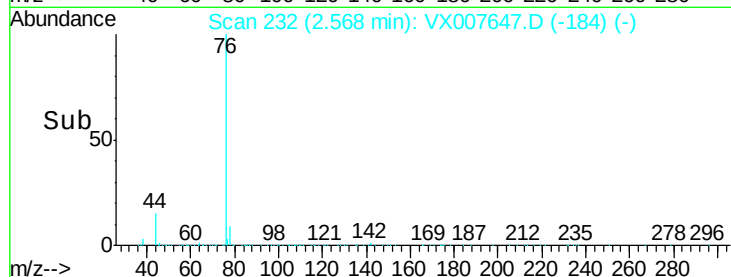
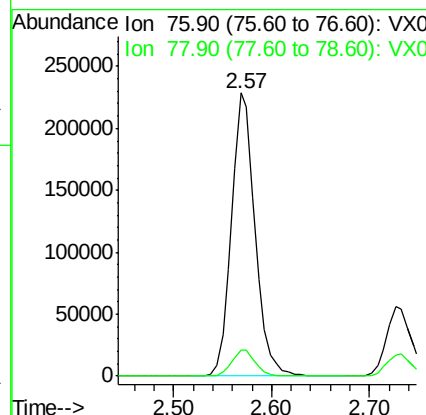
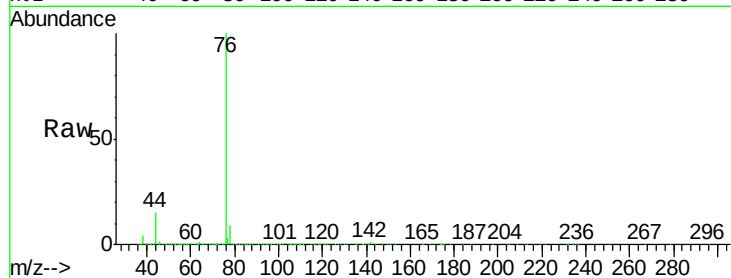




#17
Carbon Disulfide
Concen: 37.005 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

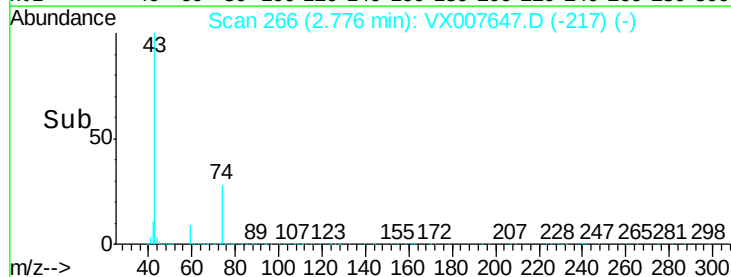
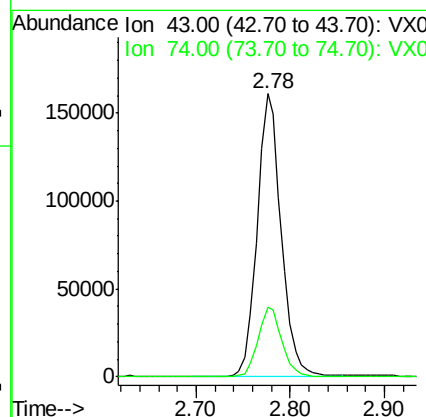
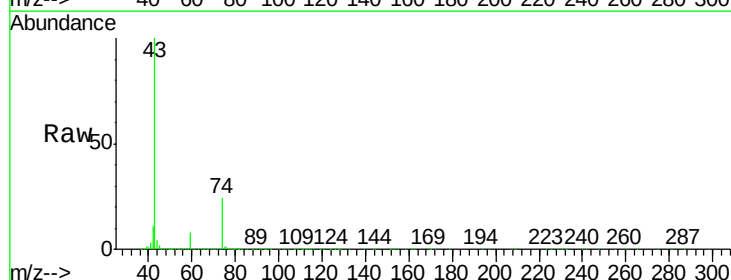
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

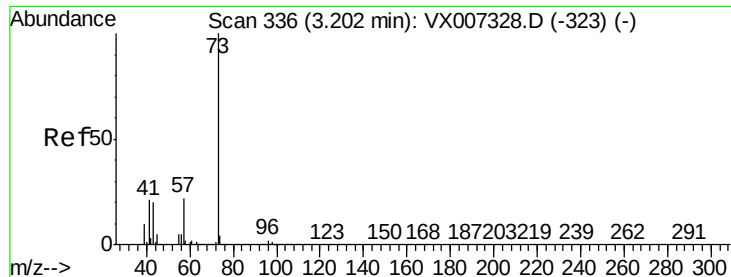
Tot Ion: 76 Resp: 381222
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 54.103 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Tgt Ion: 43 Resp: 287535
Ion Ratio Lower Upper
43 100
74 24.5 19.4 29.2



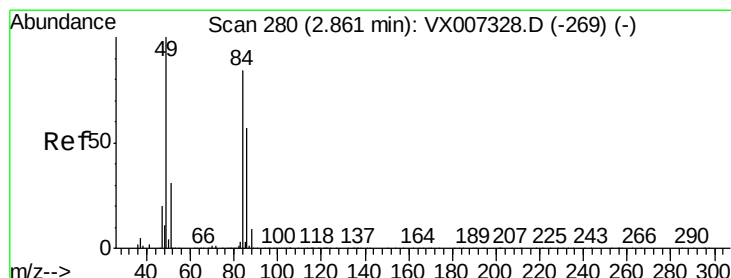
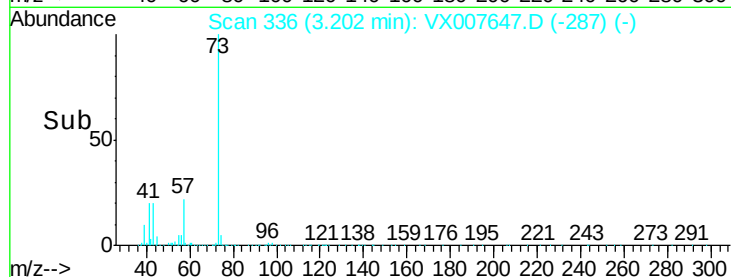
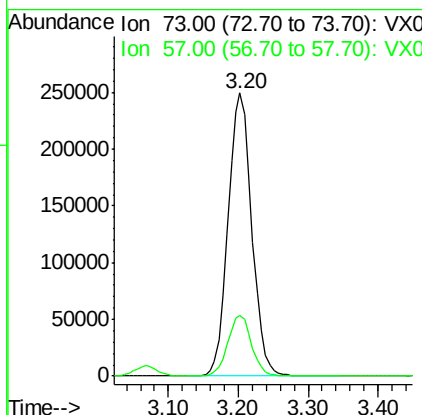
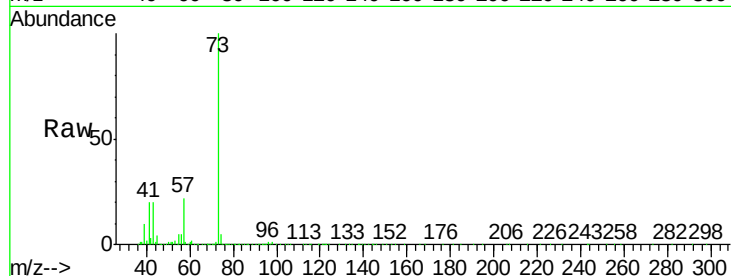


#19

Methyl tert-butyl Ether
 Concen: 45.083 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX007647.D
 Acq: 22 Feb 2019 09:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

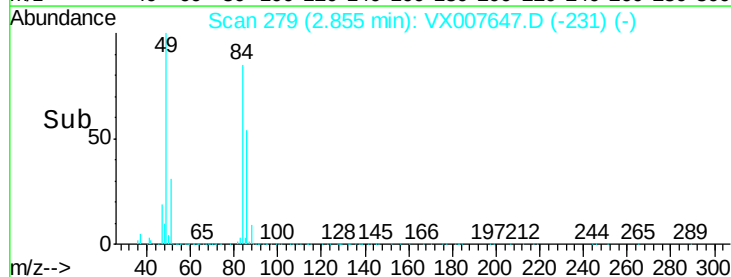
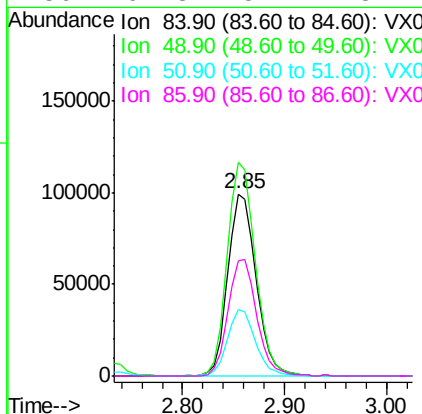
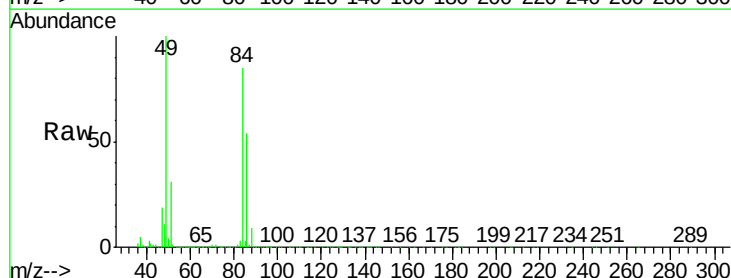
Tot Ion: 73 Resp: 584507
 Ion Ratio Lower Upper
 73 100
 57 21.5 17.8 26.8

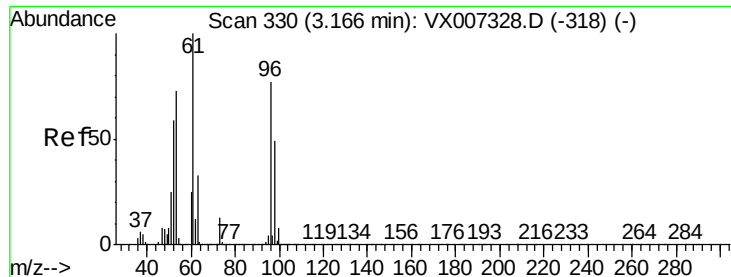


#20

Methylene Chloride
 Concen: 46.007 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX007647.D
 Acq: 22 Feb 2019 09:13

Tgt Ion: 84 Resp: 191635
 Ion Ratio Lower Upper
 84 100
 49 116.8 94.8 142.2
 51 36.4 29.8 44.8
 86 62.8 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 40.997 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

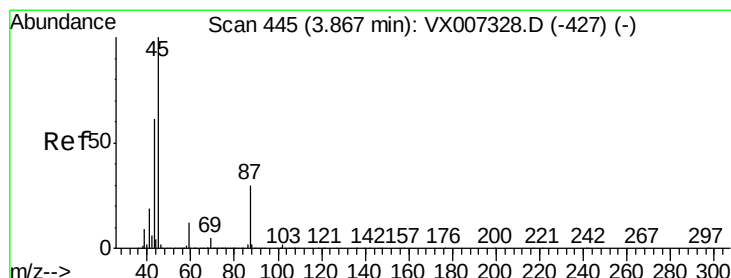
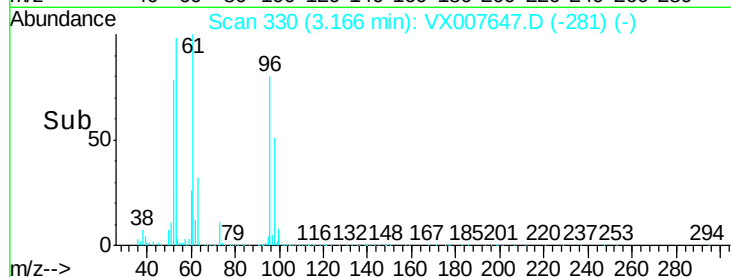
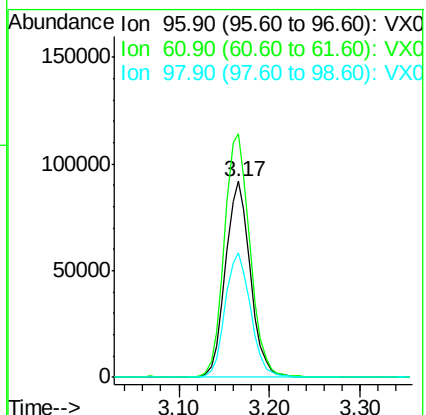
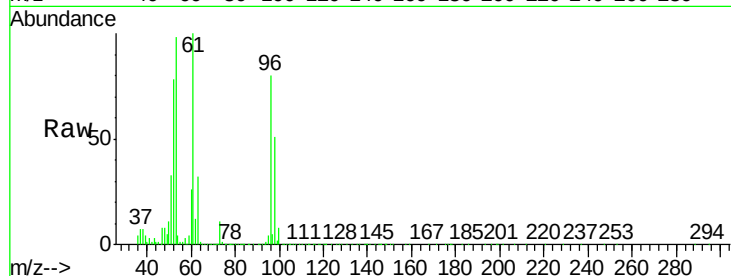
Tot Ion: 96 Resp: 174773

Ion Ratio Lower Upper

96 100

61 124.4 104.6 156.8

98 63.9 51.0 76.4



#22

Diisopropyl ether

Concen: 46.735 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Tgt Ion: 45 Resp: 560554

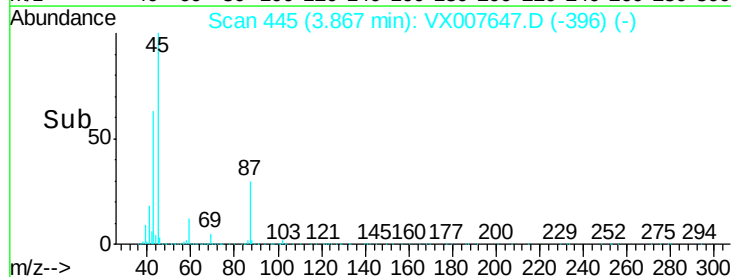
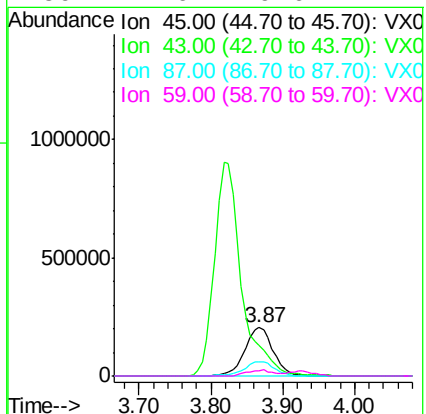
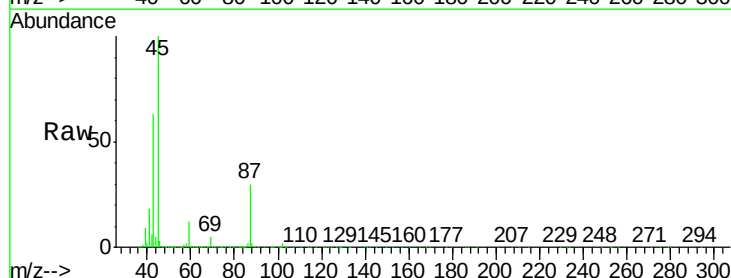
Ion Ratio Lower Upper

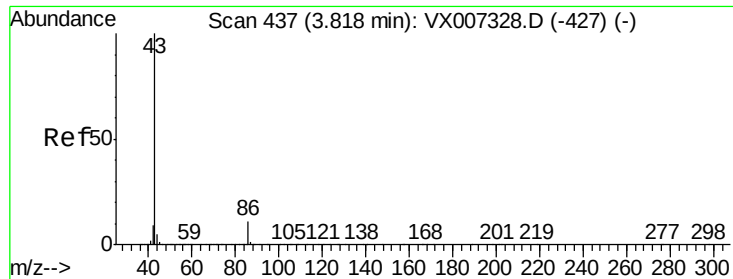
45 100

43 61.8 48.9 73.3

87 30.0 23.9 35.9

59 11.6 9.6 14.4





#23

Vinyl Acetate

Concen: 237.659 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

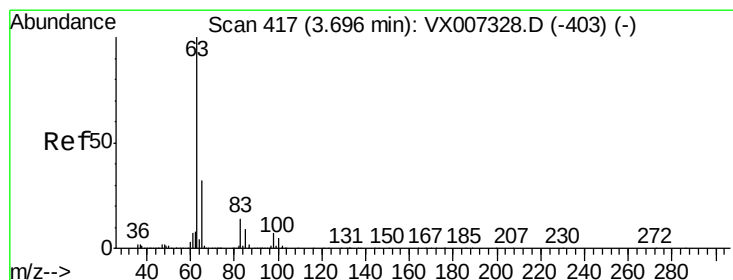
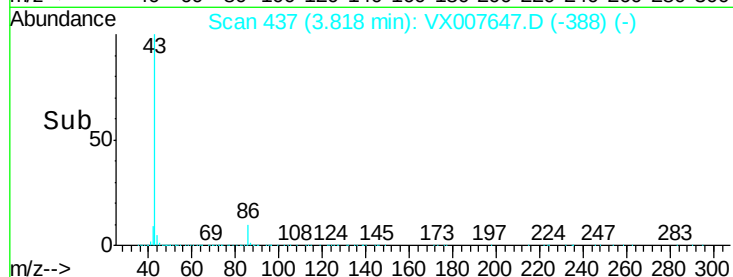
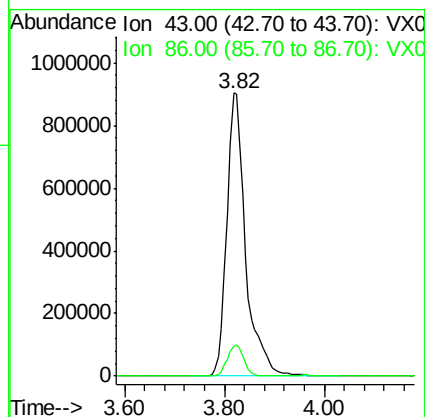
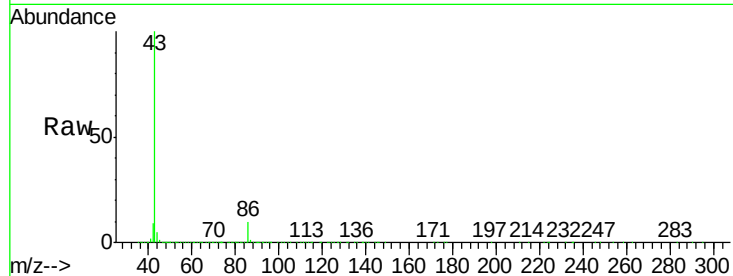
VSTDCCC050

Tot Ion: 43 Resp: 2365453

Ion Ratio Lower Upper

43 100

86 10.5 8.7 13.1



#24

1,1-Dichloroethane

Concen: 47.419 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

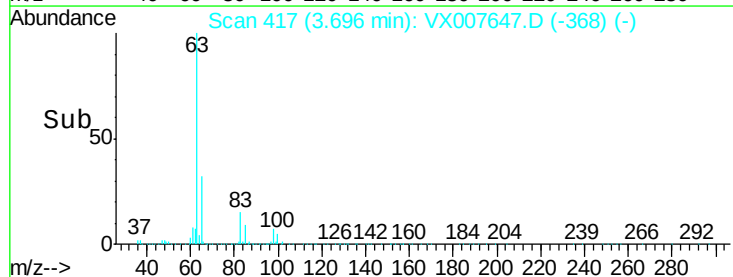
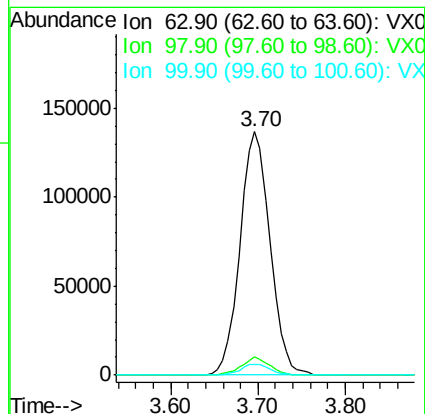
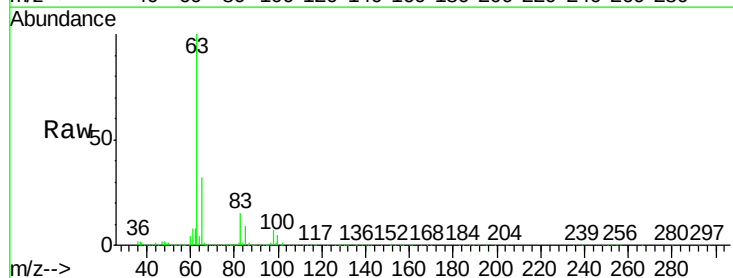
Tgt Ion: 63 Resp: 326624

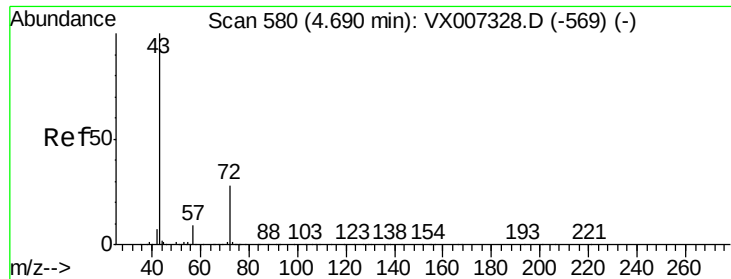
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.8

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 272.110 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

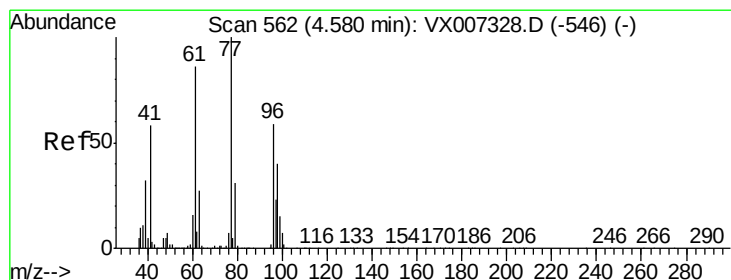
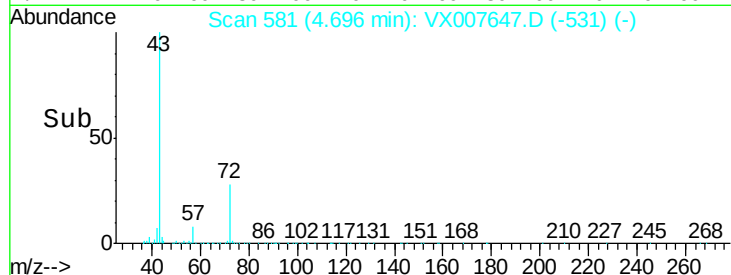
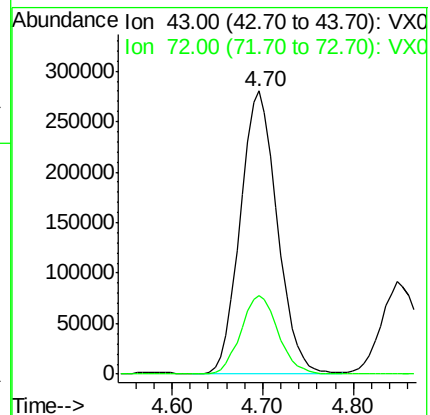
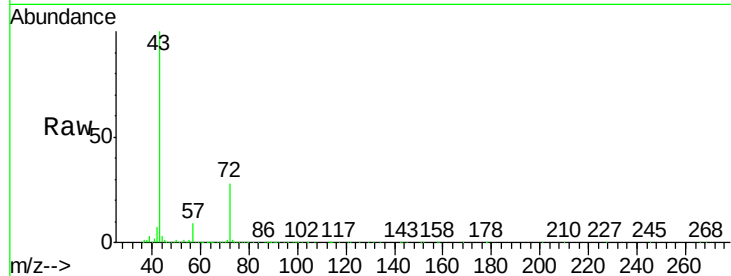
VSTDCCC050

Tot Ion: 43 Resp: 789161

Ion Ratio Lower Upper

43 100

72 27.7 22.2 33.2



#26

2,2-Dichloropropane

Concen: 49.769 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX007647.D

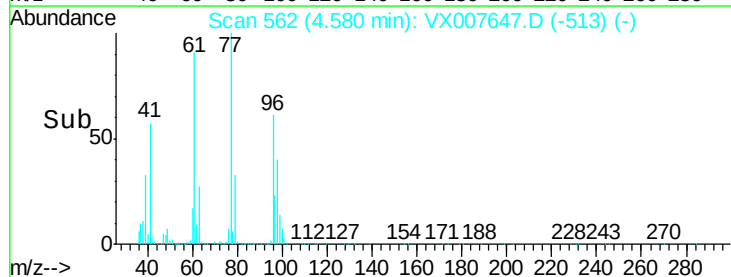
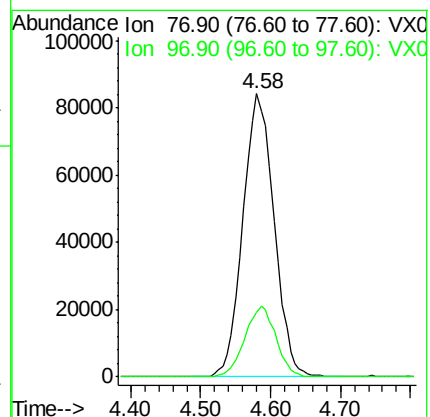
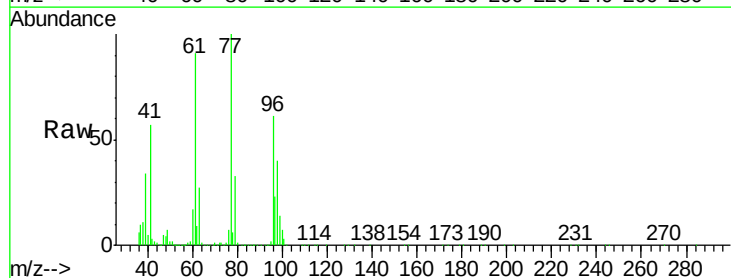
Acq: 22 Feb 2019 09:13

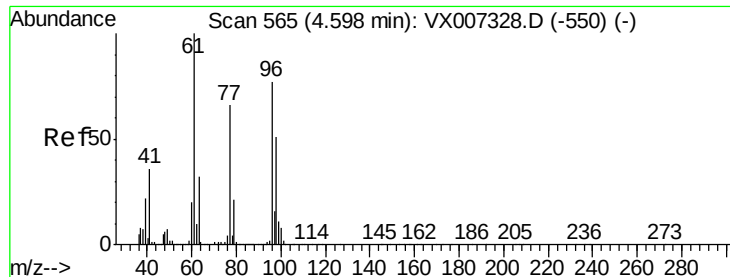
Tgt Ion: 77 Resp: 261070

Ion Ratio Lower Upper

77 100

97 25.1 12.1 36.3



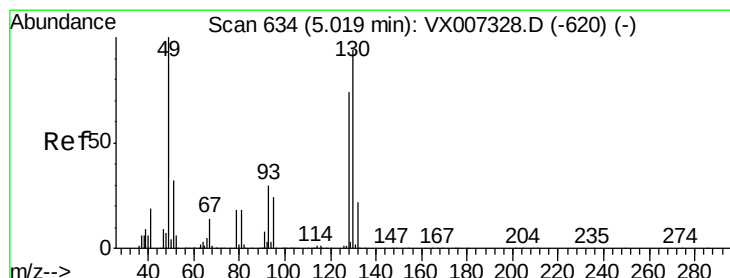
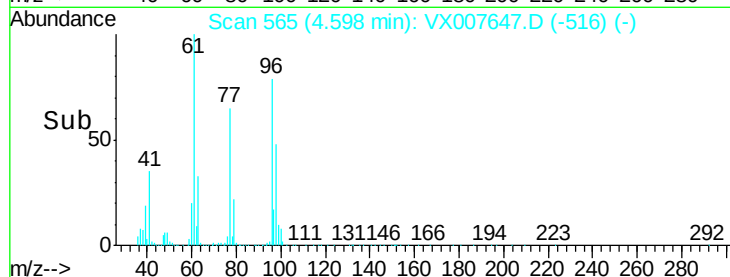
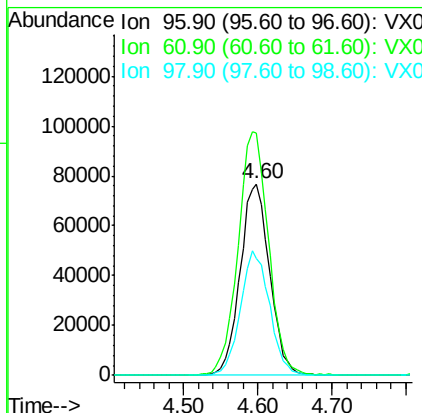
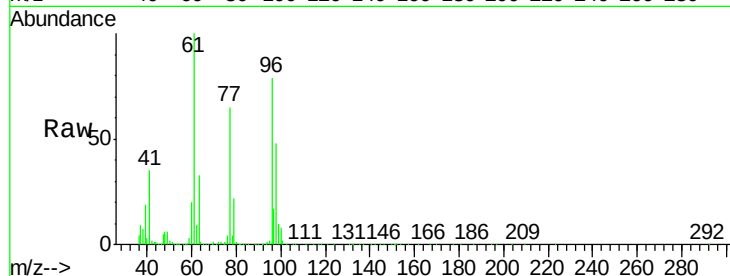


#27

cis-1,2-Dichloroethene
Concen: 45.957 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

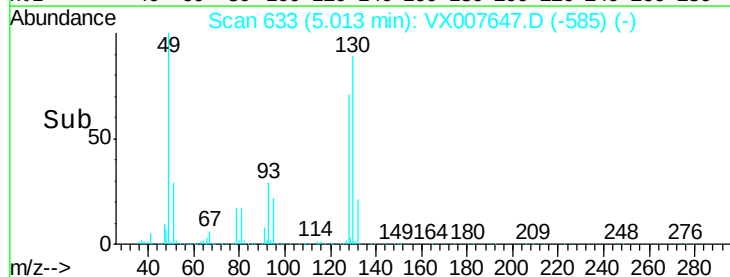
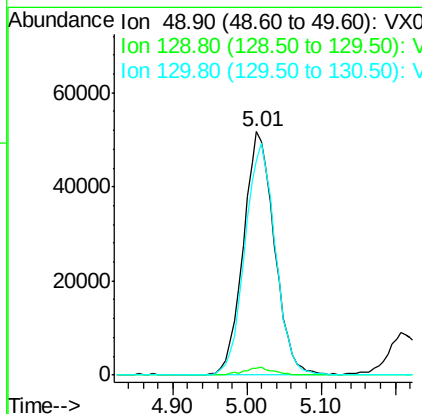
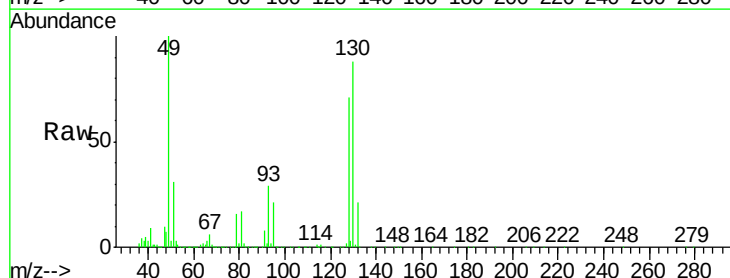
Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	0.0	265.6
98	64.3	0.0	131.6

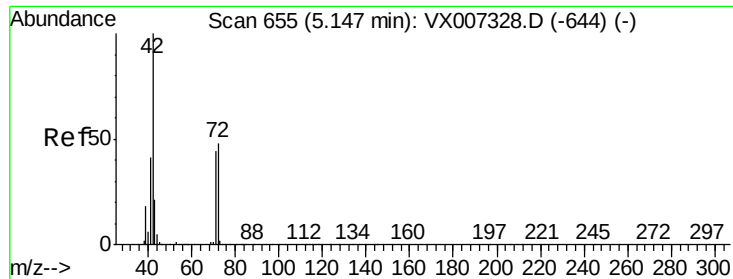


#28

Bromochloromethane
Concen: 47.509 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.6
130	94.2	75.6	113.4

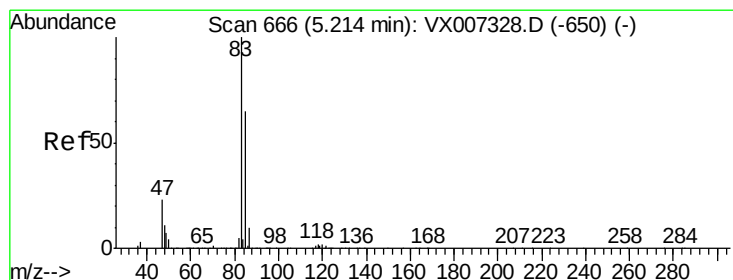
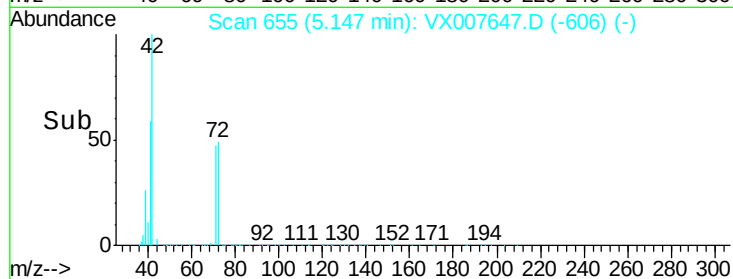
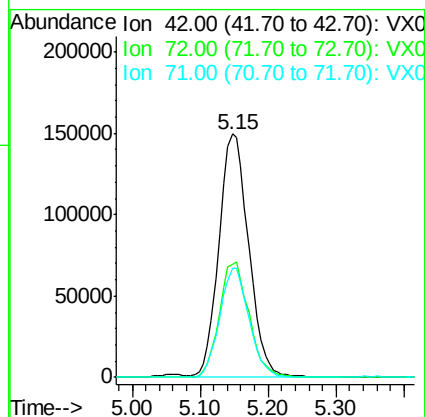
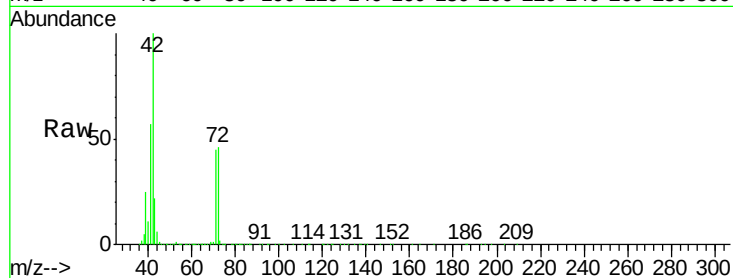




#29
Tetrahydrofuran
Concen: 248.018 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

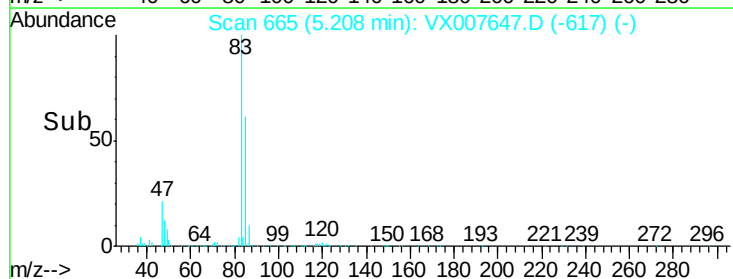
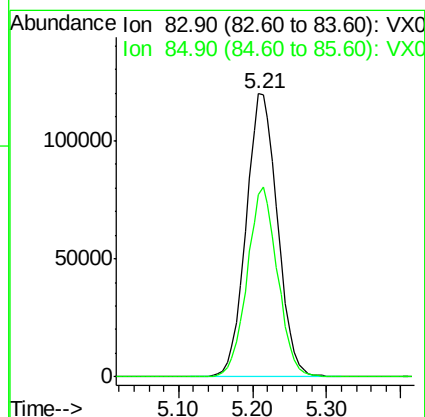
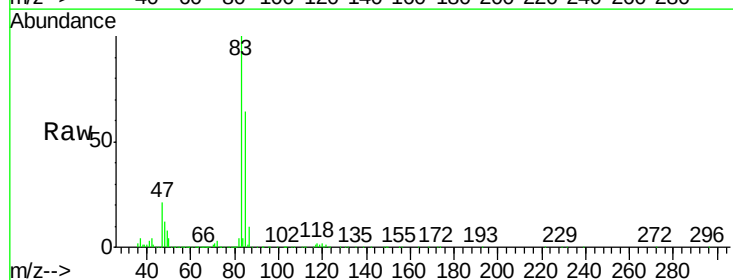
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

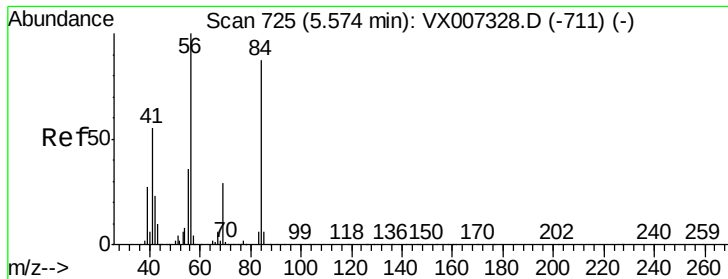
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	37.6	56.4
71	44.3	34.6	51.8



#30
Chloroform
Concen: 49.202 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.6	77.4

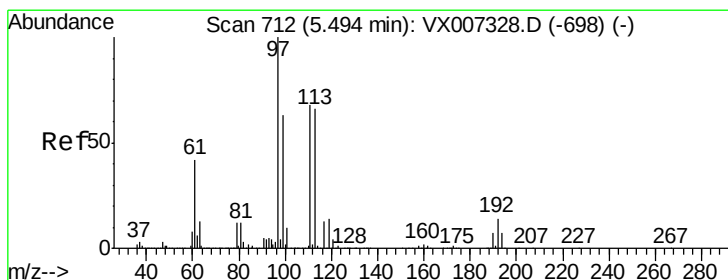
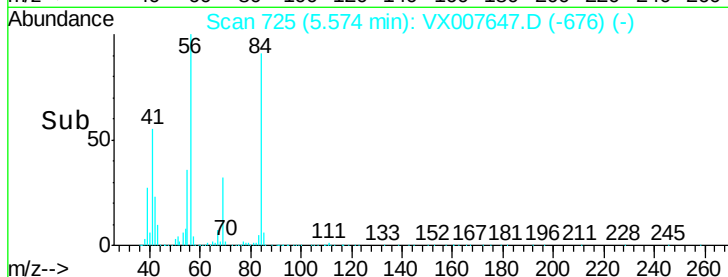
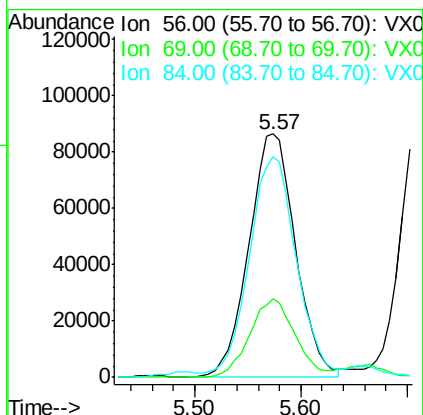
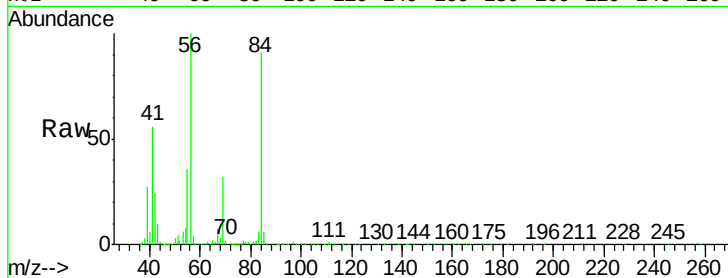




#31
Cyclohexane
Concen: 42.870 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

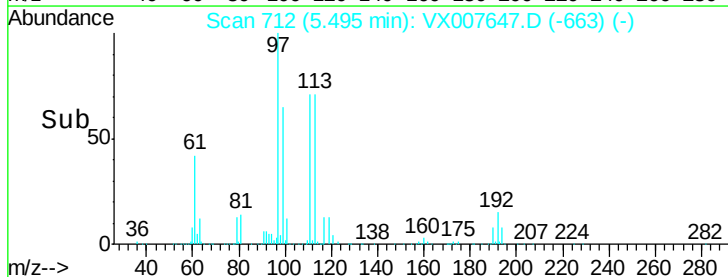
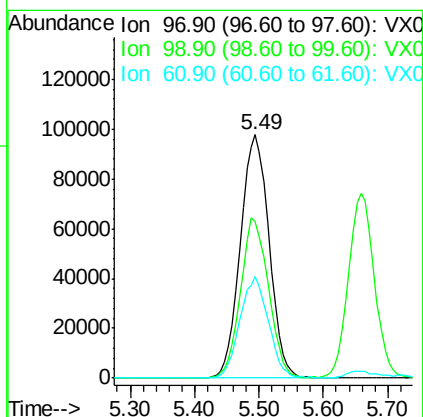
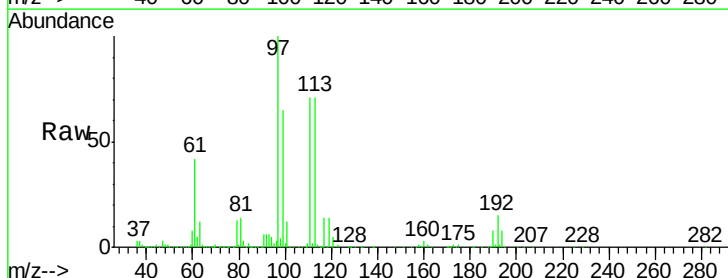
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

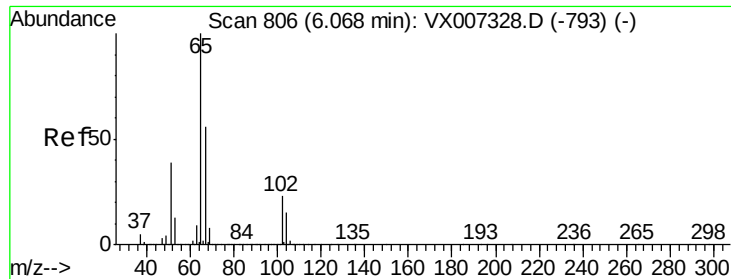
Tot Ion: 56 Resp: 265208
Ion Ratio Lower Upper
56 100
69 32.0 23.0 34.6
84 88.7 69.8 104.6



#32
1,1,1-Trichloroethane
Concen: 49.362 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Tgt Ion: 97 Resp: 299479
Ion Ratio Lower Upper
97 100
99 64.4 52.2 78.2
61 41.5 32.7 49.1

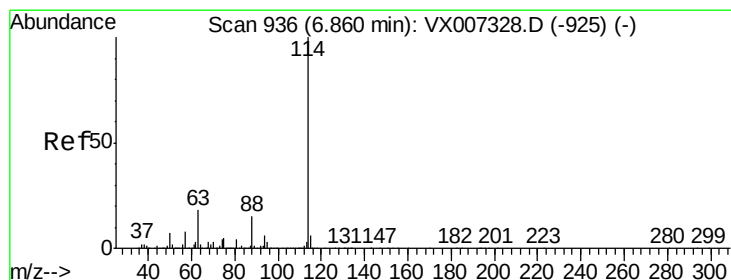
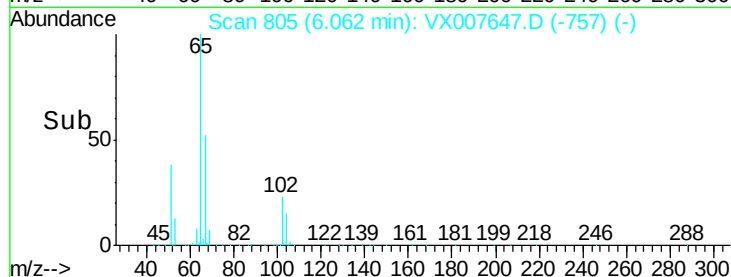
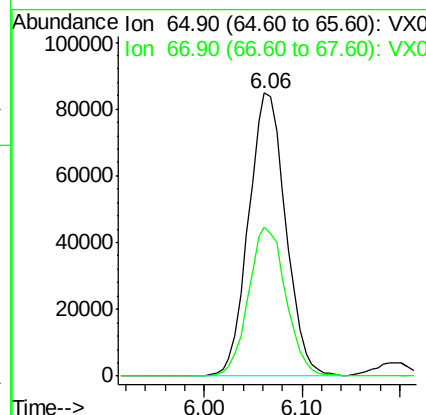
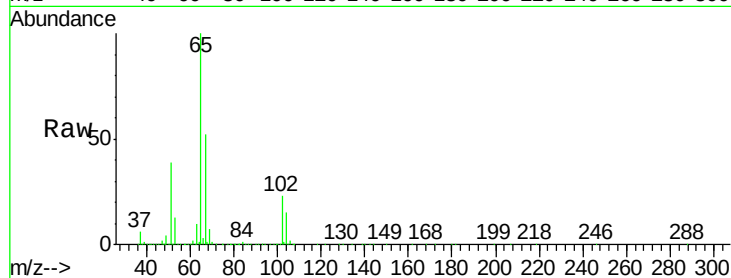




#33
 1,2-Dichloroethane-d4
 Concen: 50.181 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX007647.D
 Acq: 22 Feb 2019 09:13

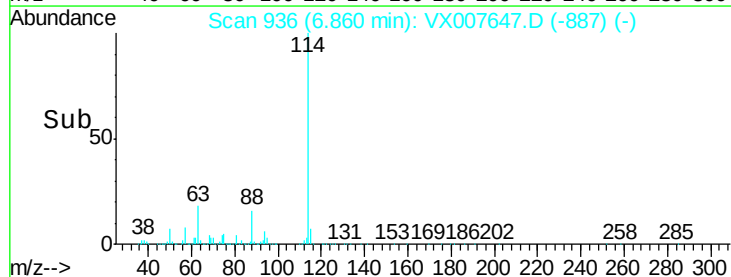
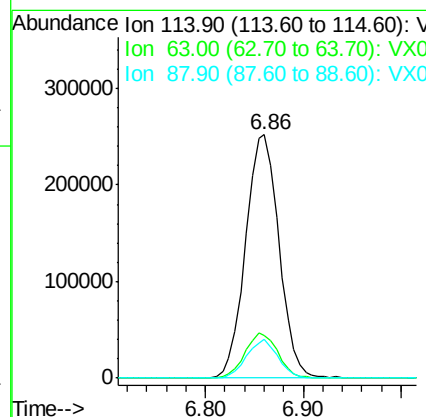
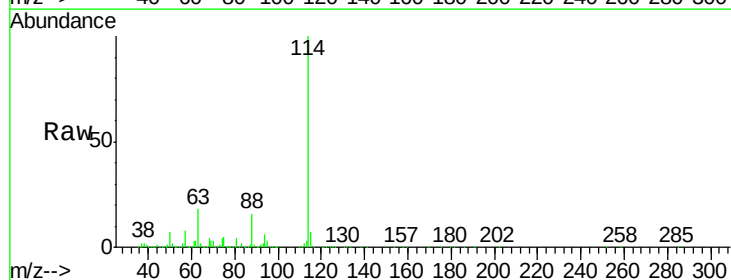
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

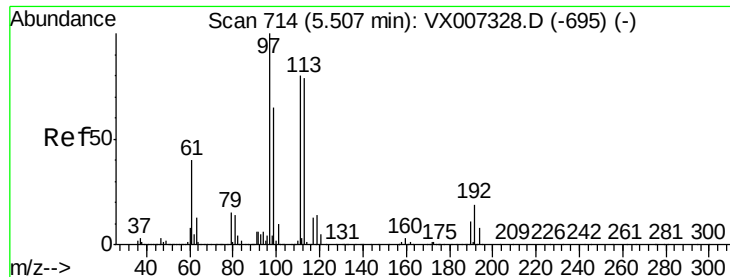
Tot Ion: 65 Resp: 223246
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007647.D
 Acq: 22 Feb 2019 09:13

Tgt Ion: 114 Resp: 599038
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.6
 88 15.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 52.728 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

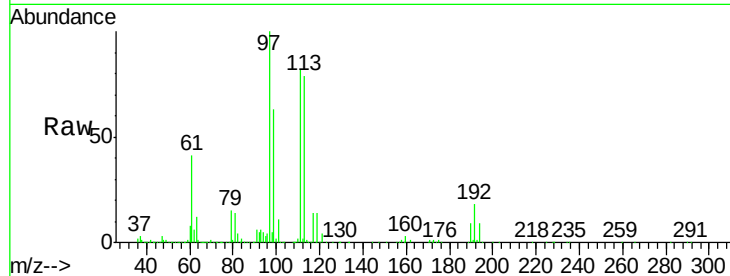
Tot Ion:113 Resp: 205518

Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.8

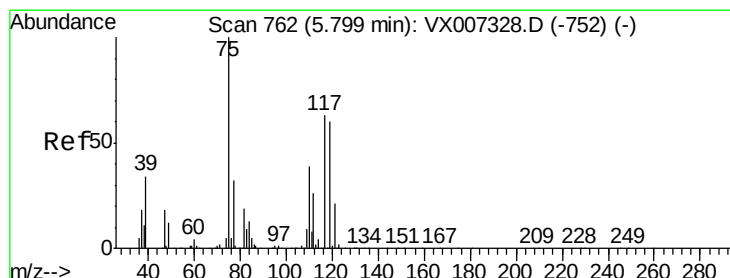
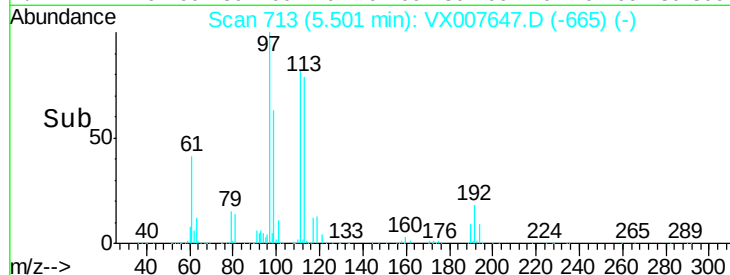
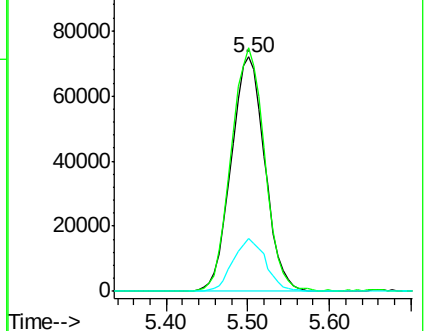
192 22.2 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.064 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

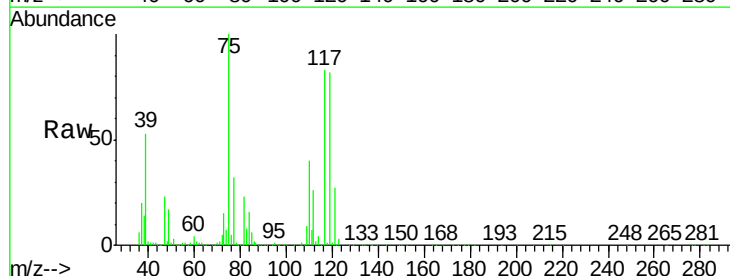
Tgt Ion: 75 Resp: 242213

Ion Ratio Lower Upper

75 100

110 39.6 20.0 59.9

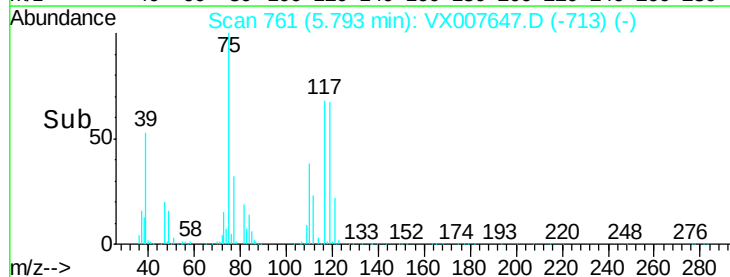
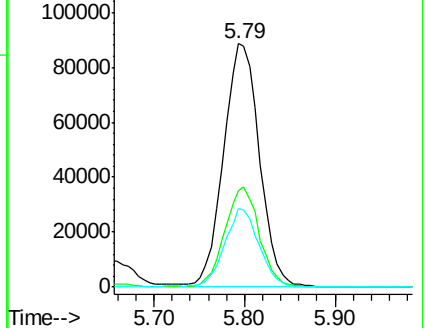
77 30.8 24.7 37.1

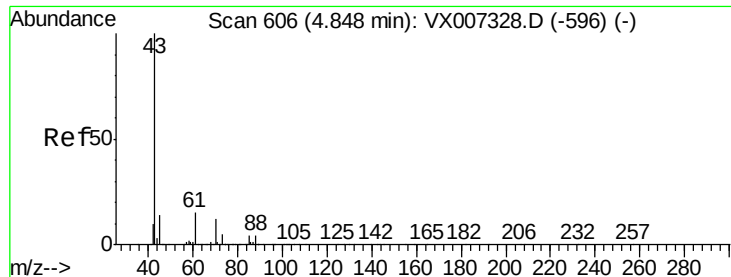


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

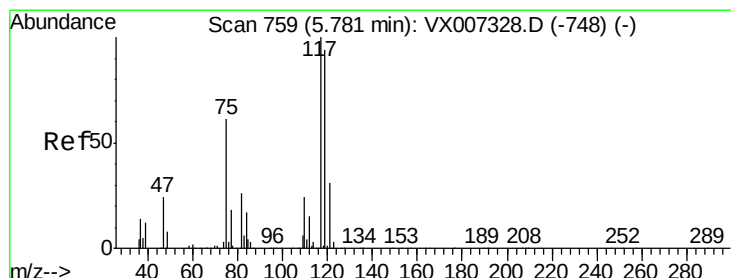
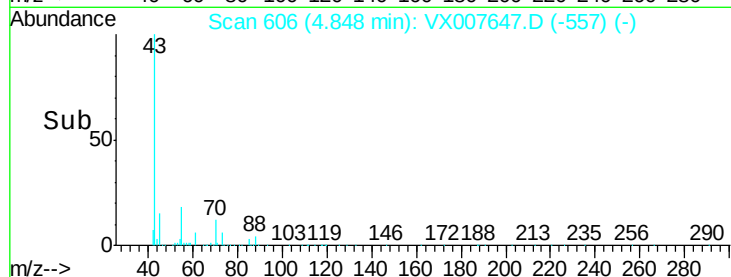
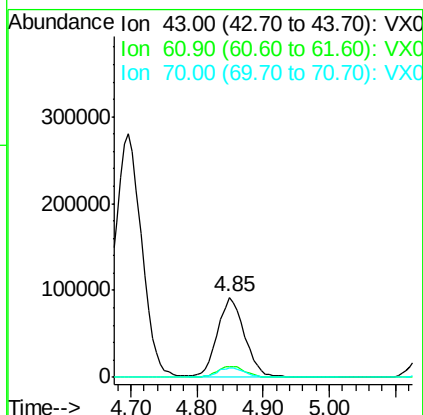
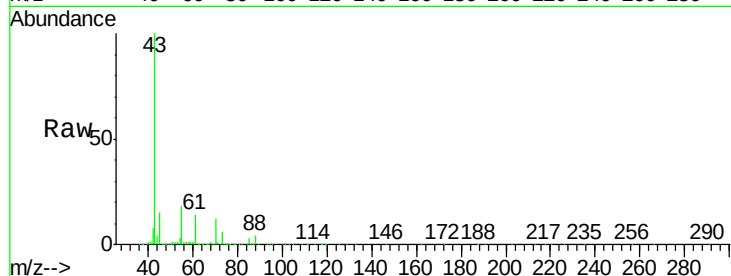




#37
Ethyl Acetate
Concen: 48.152 ug/l
RT: 4.85 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

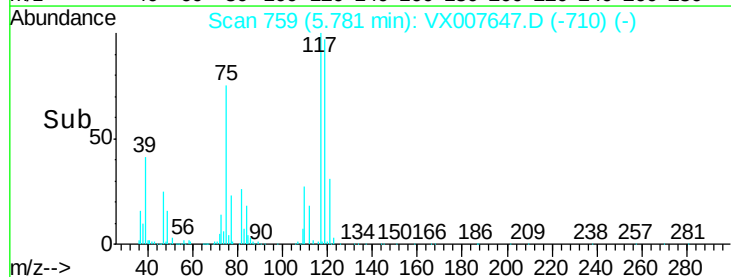
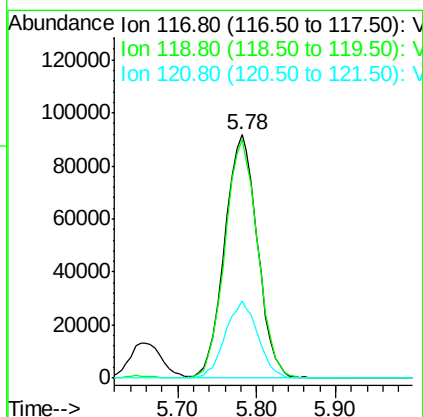
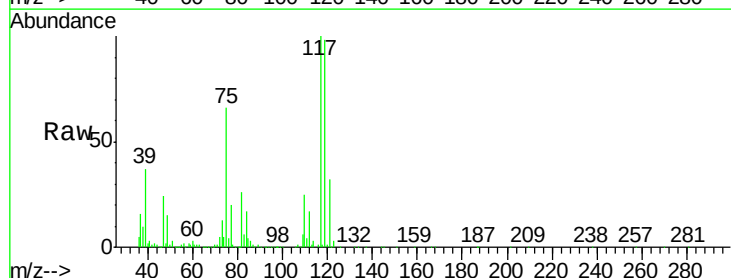
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

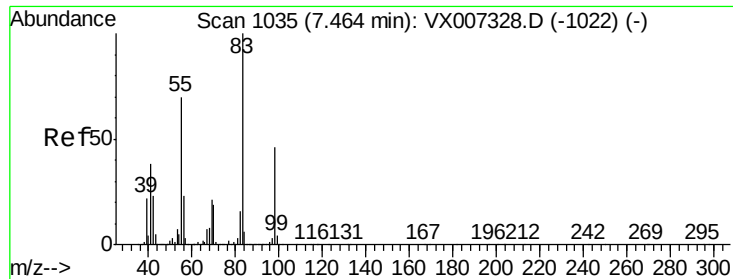
Tot Ion: 43 Resp: 261621
Ion Ratio Lower Upper
43 100
61 13.8 11.3 16.9
70 11.8 8.6 13.0



#38
Carbon Tetrachloride
Concen: 50.969 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Tgt Ion: 117 Resp: 265771
Ion Ratio Lower Upper
117 100
119 97.6 75.3 112.9
121 31.8 25.0 37.4

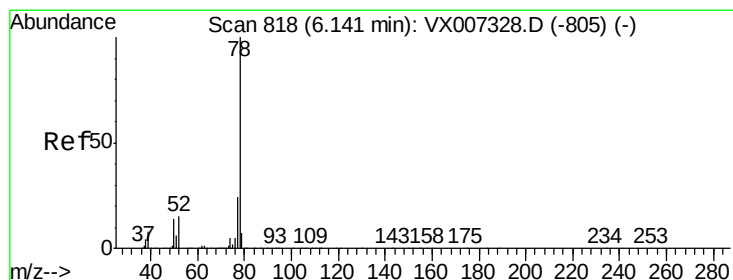
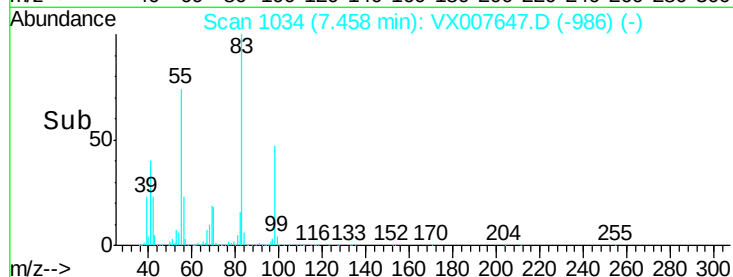
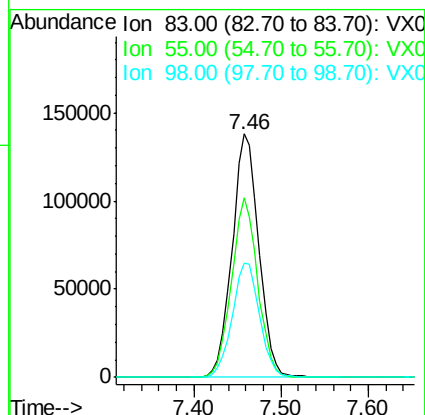
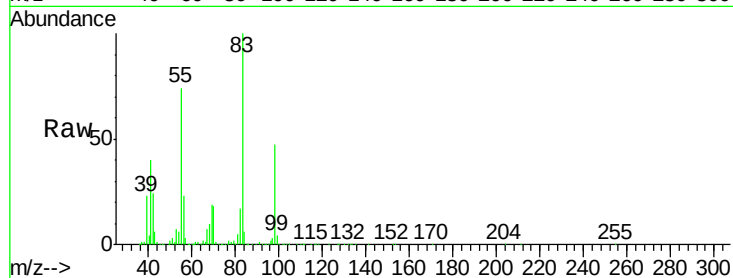




#39
Methylvlcyclohexane
Concen: 45.094 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

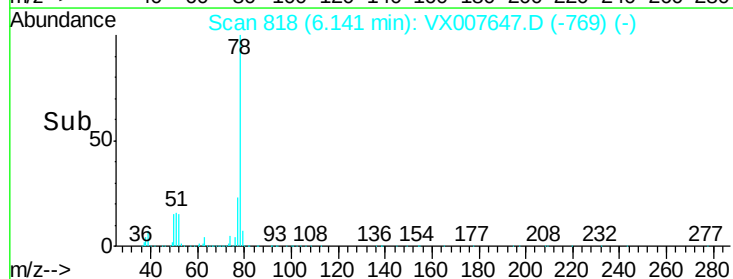
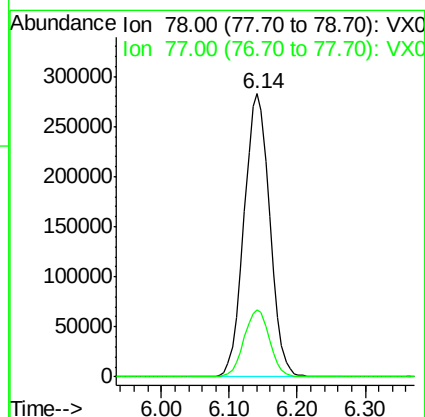
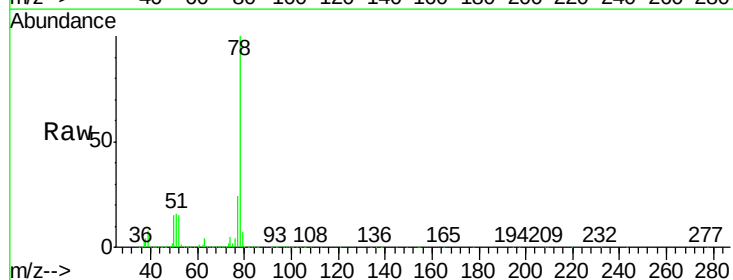
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

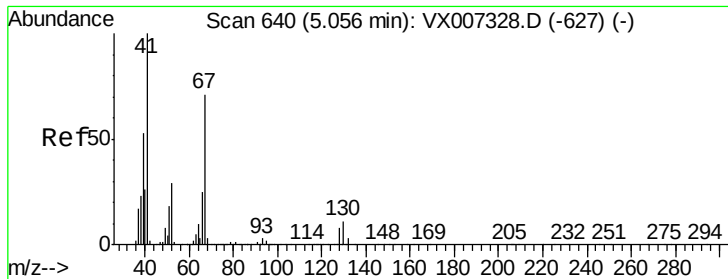
Tot Ion: 83 Resp: 293242
Ion Ratio Lower Upper
83 100
55 73.8 56.2 84.2
98 47.0 36.8 55.2



#40
Benzene
Concen: 46.891 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Tgt Ion: 78 Resp: 742398
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9





#41

Methacrylonitrile

Concen: 50.366 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 146665

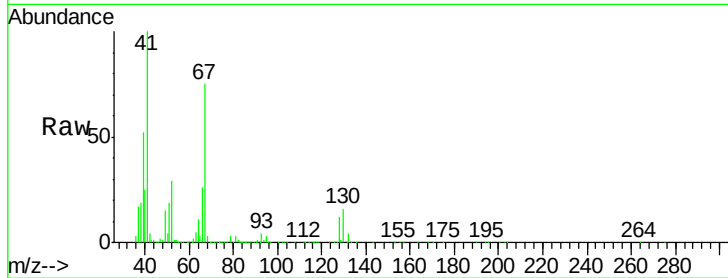
Ion Ratio Lower Upper

41 100

39 55.4 44.5 66.7

67 77.1 60.4 90.6

52 29.8 24.1 36.1

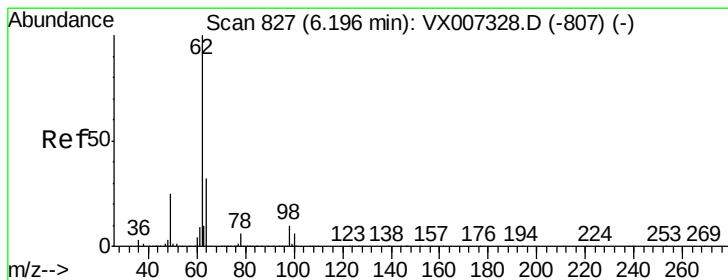
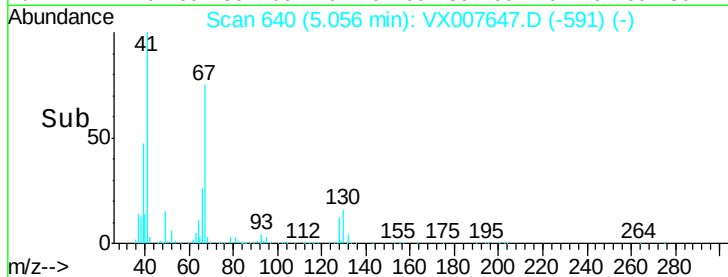
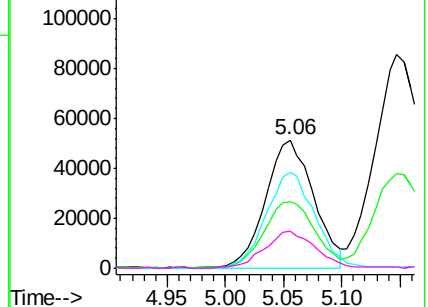


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 46.881 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX007647.D

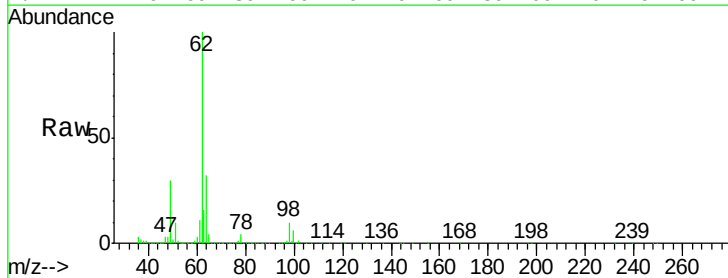
Acq: 22 Feb 2019 09:13

Tgt Ion: 62 Resp: 256812

Ion Ratio Lower Upper

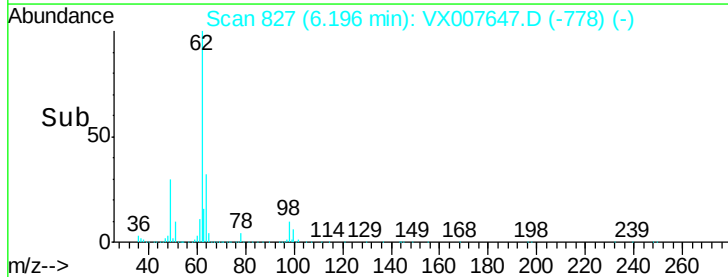
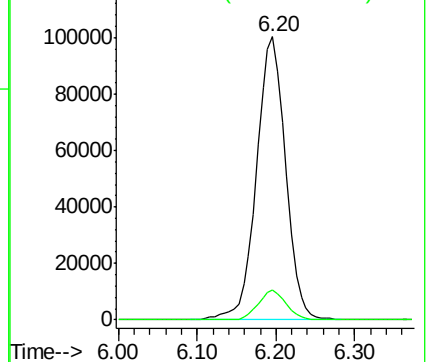
62 100

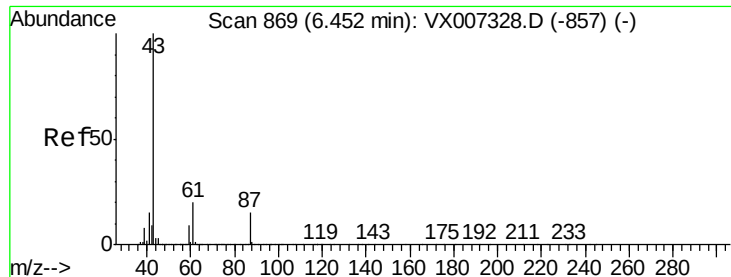
98 10.2 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.773 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

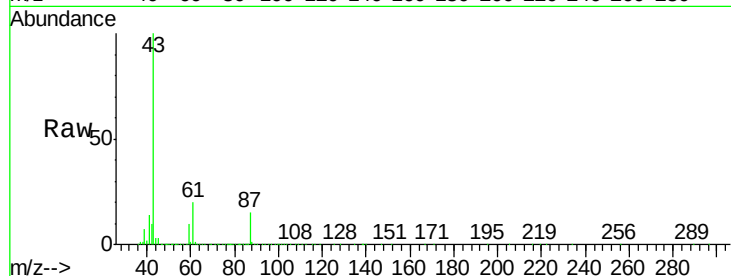
Tot Ion: 43 Resp: 425802

Ion Ratio Lower Upper

43 100

61 20.2 16.1 24.1

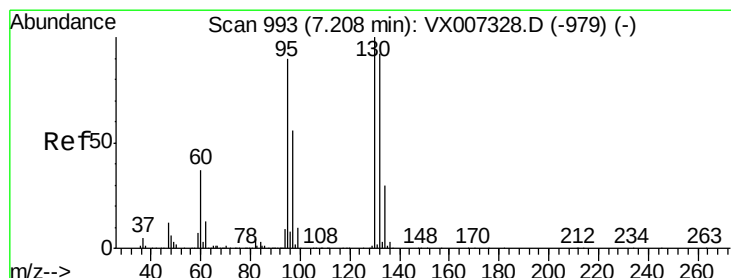
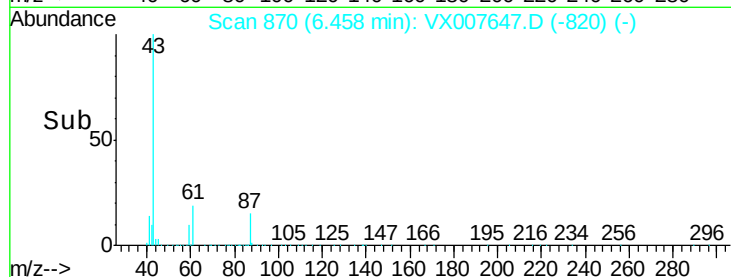
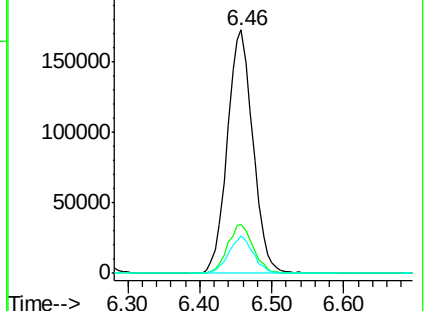
87 14.7 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 46.438 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX007647.D

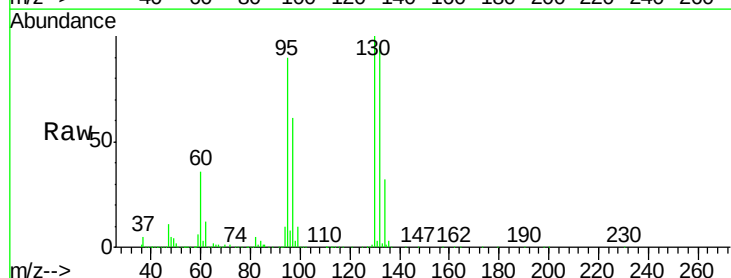
Acq: 22 Feb 2019 09:13

Tgt Ion:130 Resp: 221436

Ion Ratio Lower Upper

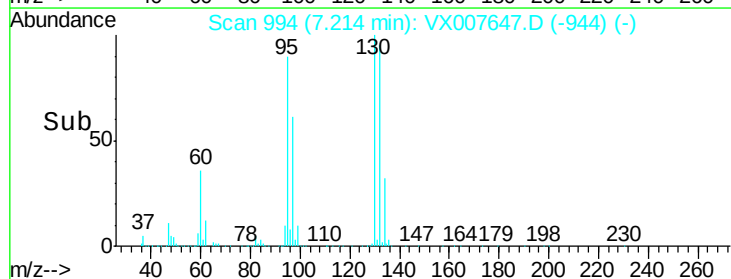
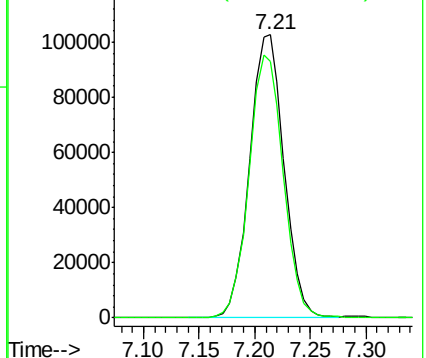
130 100

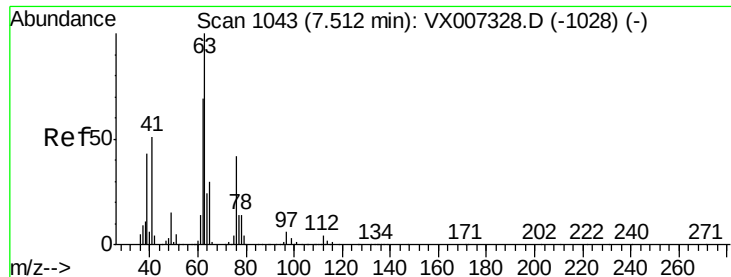
95 90.4 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.397 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

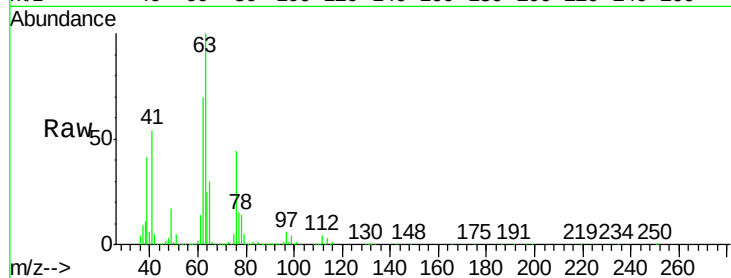
VSTDCCC050

Tot Ion: 63 Resp: 195953

Ion Ratio Lower Upper

63 100

65 29.8 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

100000

80000

60000

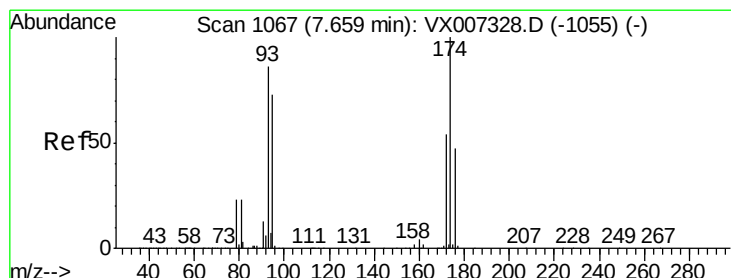
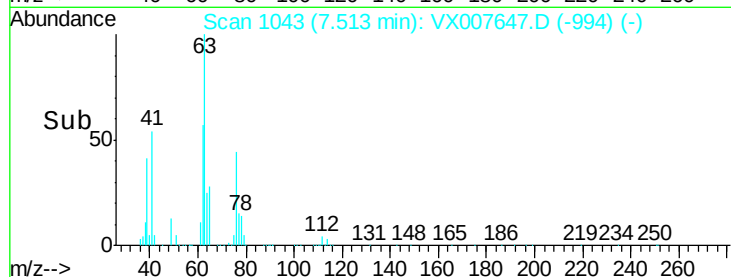
40000

20000

0

Time-->

7.40 7.50 7.60 7.70



#46

Dibromomethane

Concen: 47.007 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

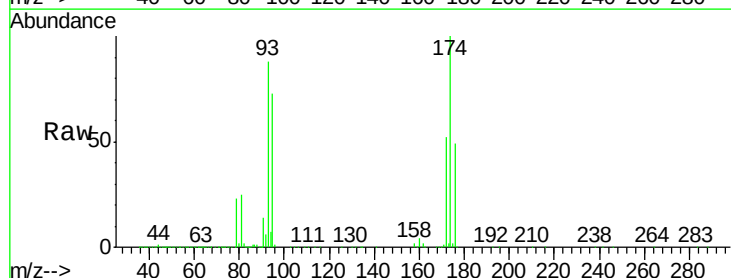
Tgt Ion: 93 Resp: 135528

Ion Ratio Lower Upper

93 100

95 85.0 67.6 101.4

174 117.1 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

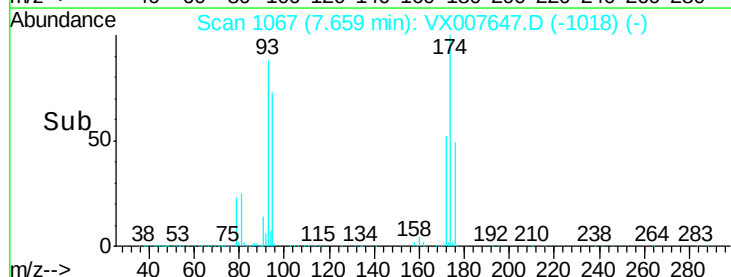
40000

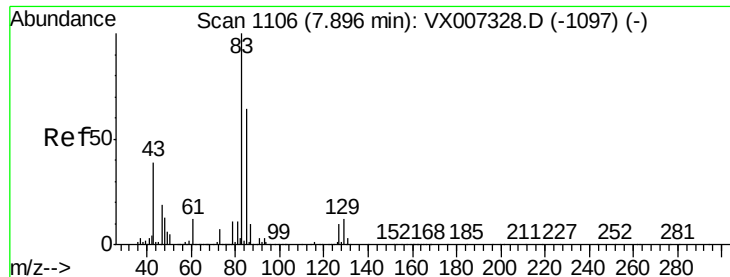
20000

0

Time-->

7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 53.442 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

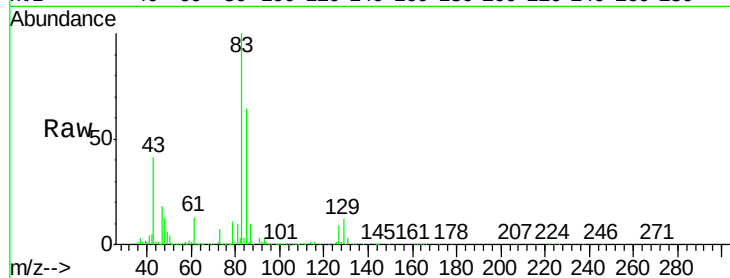
Tot Ion: 83 Resp: 261132

Ion Ratio Lower Upper

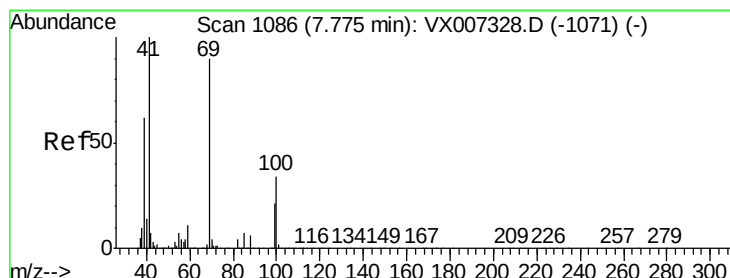
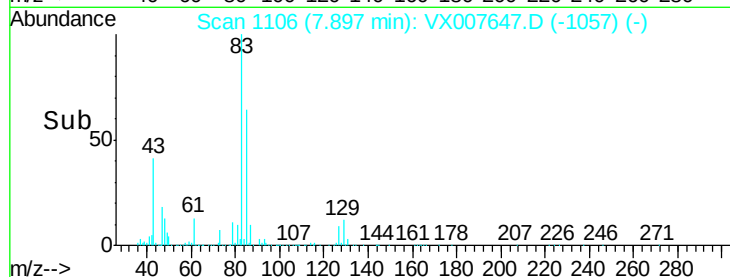
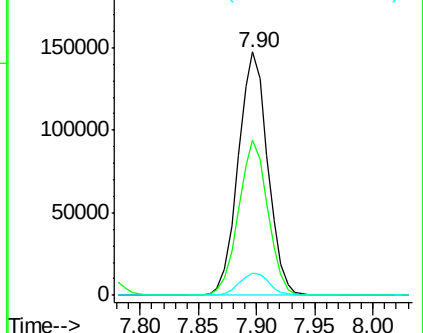
83 100

85 63.6 51.4 77.0

127 9.2 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: 51.461 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

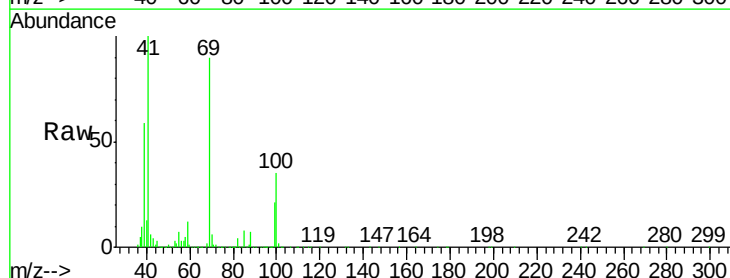
Tgt Ion: 41 Resp: 215868

Ion Ratio Lower Upper

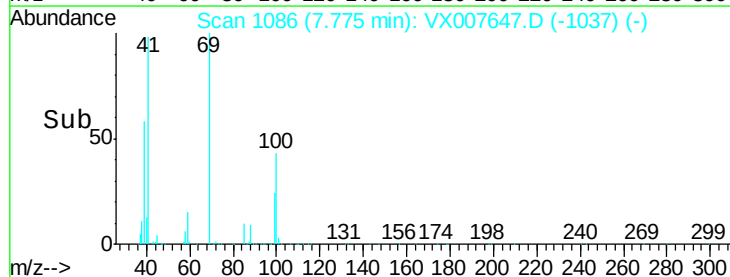
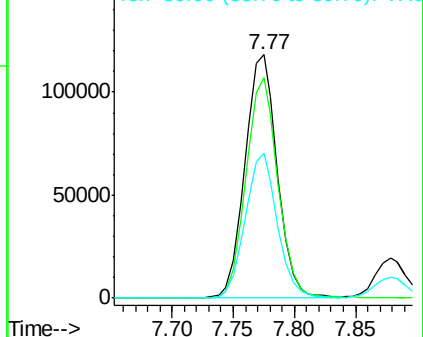
41 100

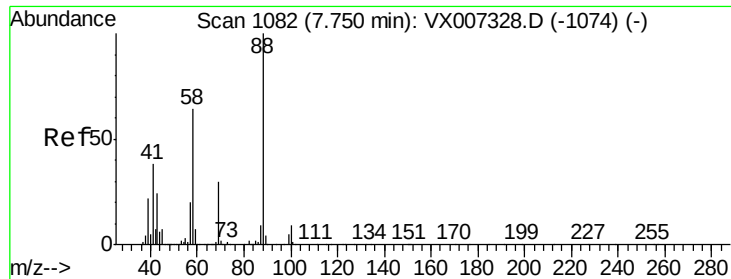
69 90.0 70.2 105.4

39 58.8 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: 984.858 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

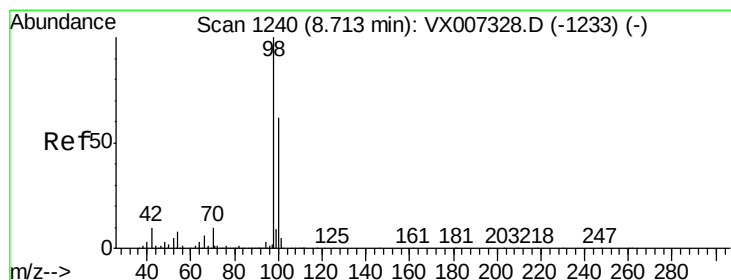
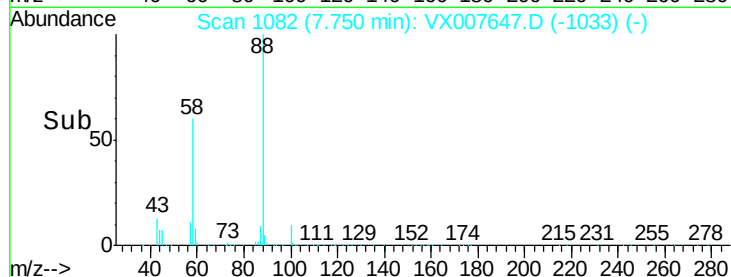
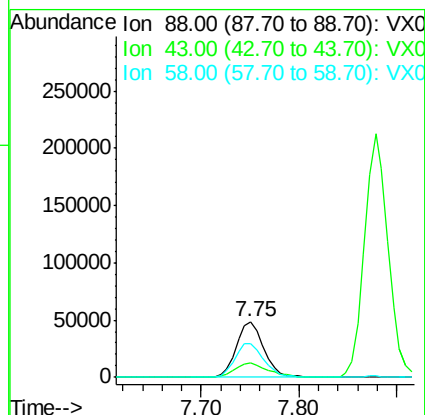
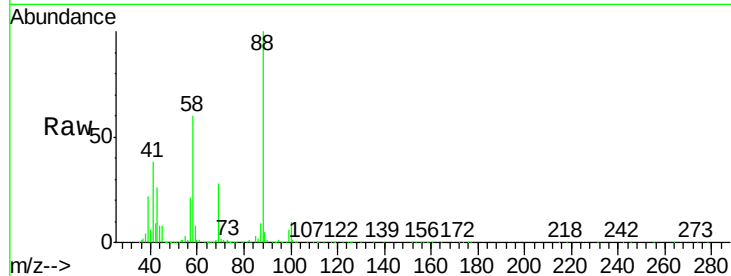
Tot Ion: 88 Resp: 93943

Ion Ratio Lower Upper

88 100

43 30.2 24.2 36.4

58 64.8 53.0 79.4



#50

Toluene-d8

Concen: 51.551 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007647.D

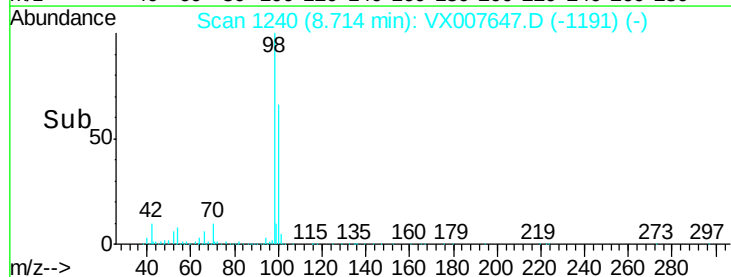
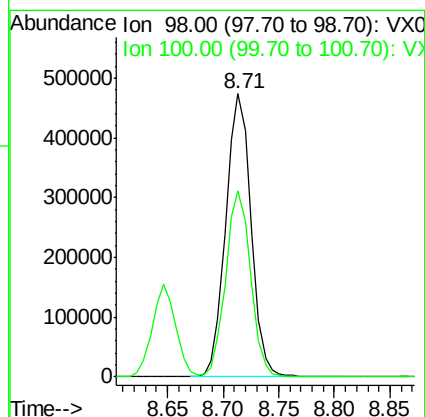
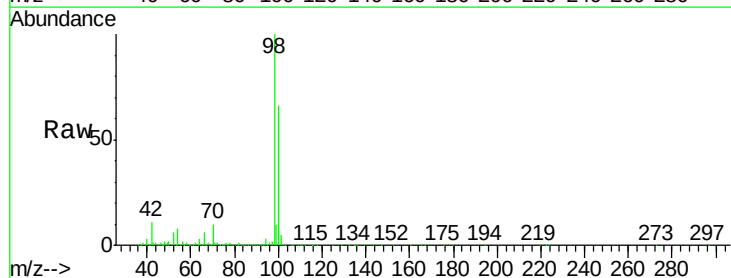
Acq: 22 Feb 2019 09:13

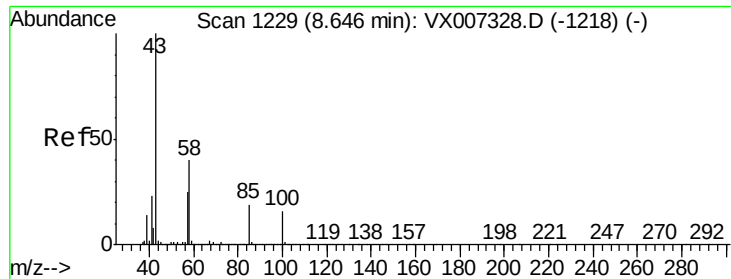
Tgt Ion: 98 Resp: 745487

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 256.410 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

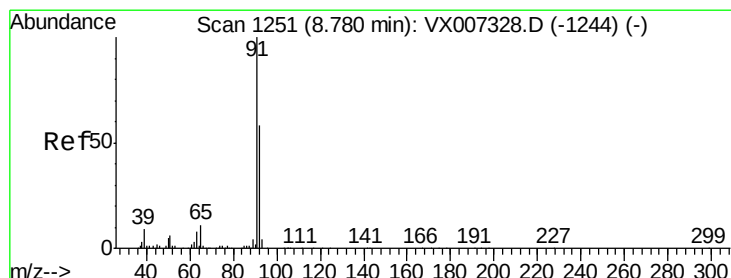
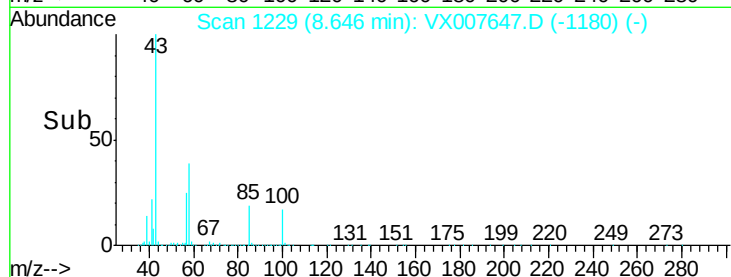
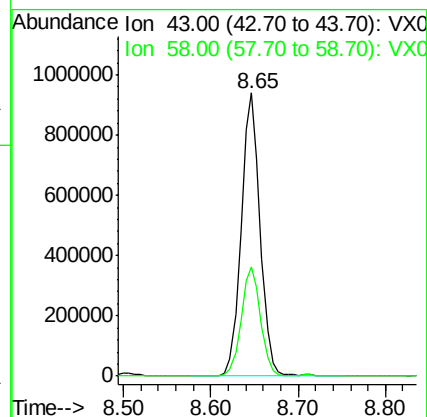
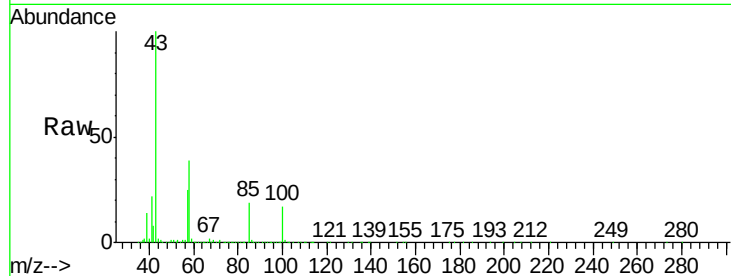
VSTDCCC050

Tot Ion: 43 Resp: 1415578

Ion Ratio Lower Upper

43 100

58 39.2 31.2 46.8



#52

Toluene

Concen: 47.493 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007647.D

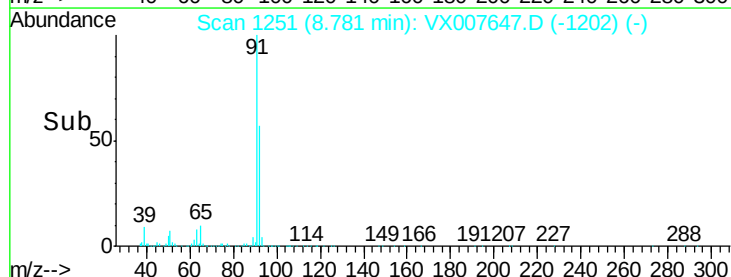
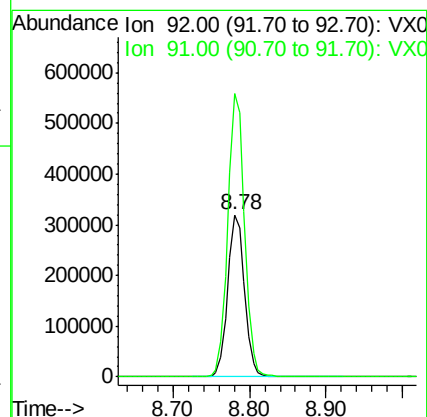
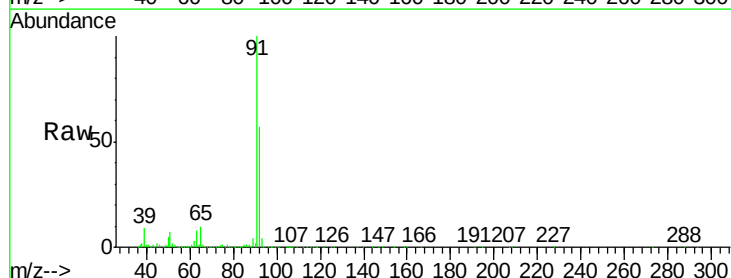
Acq: 22 Feb 2019 09:13

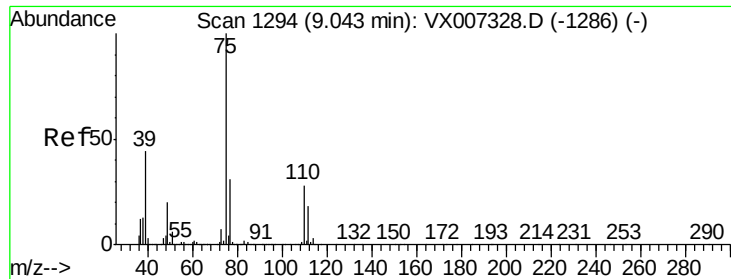
Tgt Ion: 92 Resp: 485143

Ion Ratio Lower Upper

92 100

91 174.8 139.1 208.7

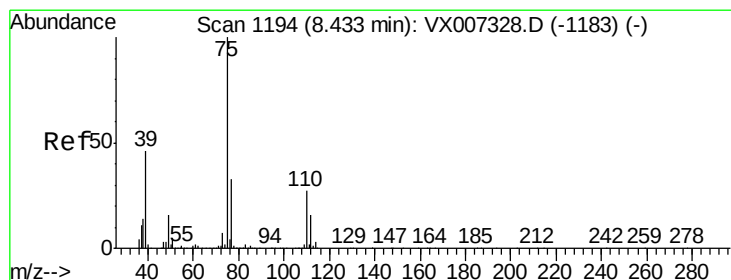
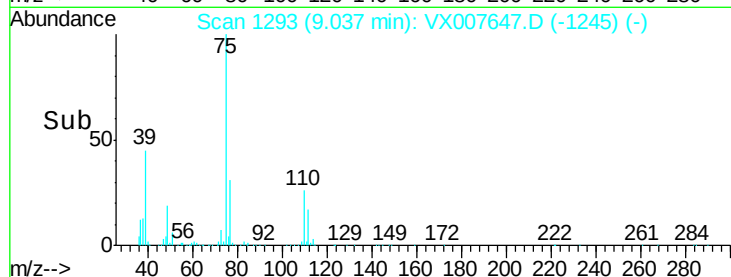
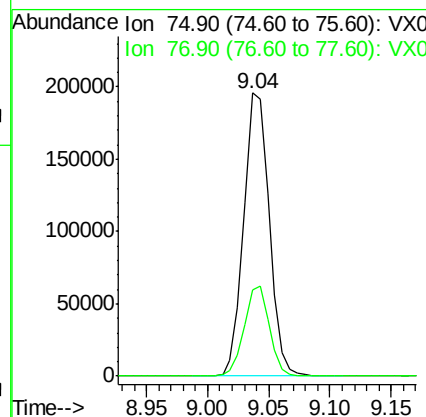
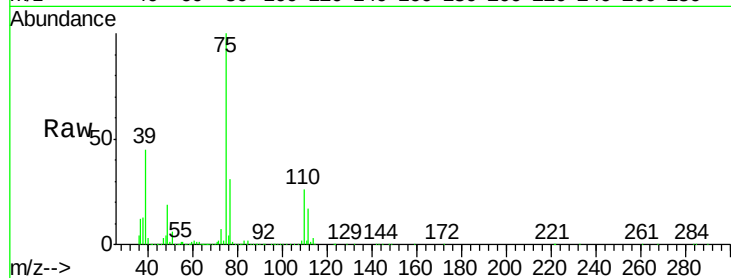




#53
t-1,3-Dichloropropene
Concen: 54.088 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

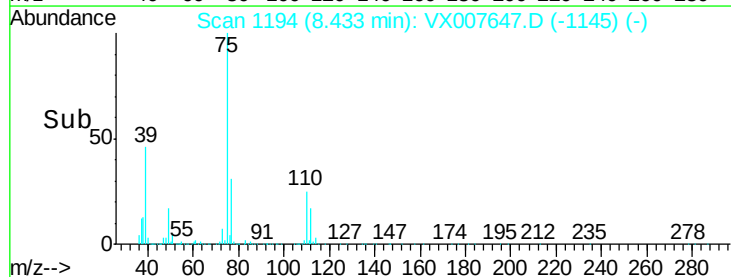
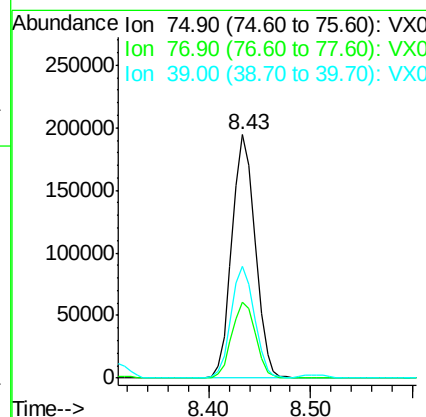
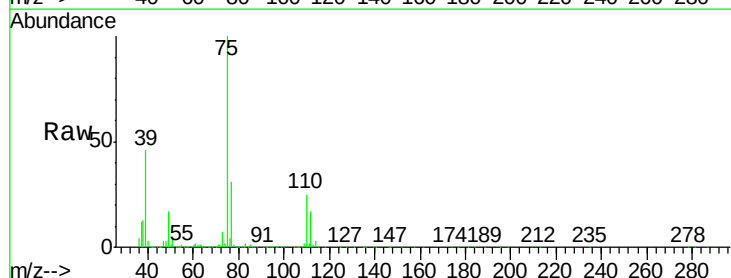
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

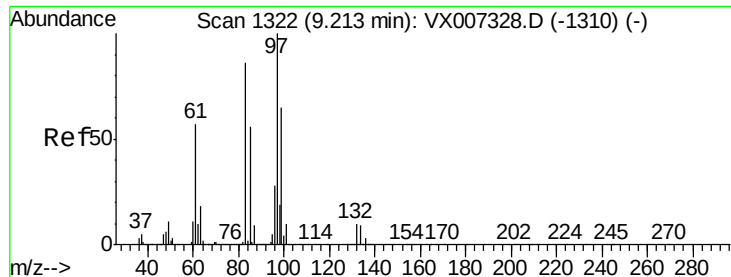
Tot Ion: 75 Resp: 283886
Ion Ratio Lower Upper
75 100
77 30.5 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 53.422 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Tgt Ion: 75 Resp: 308344
Ion Ratio Lower Upper
75 100
77 31.2 26.2 39.4
39 45.6 37.1 55.7





#55

1,1,2-Trichloroethane

Concen: 49.823 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 212148

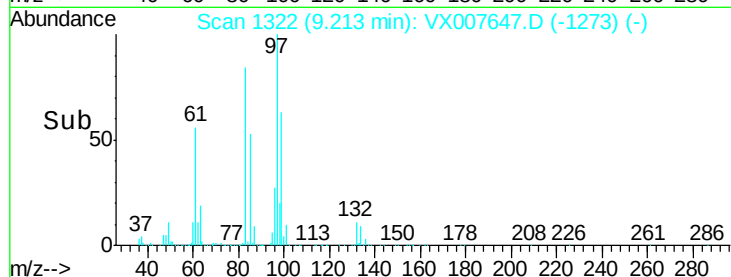
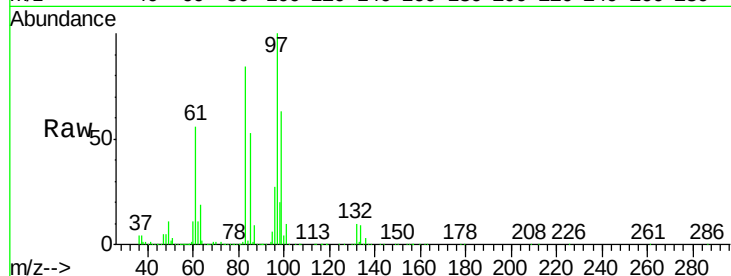
Ion	Ratio	Lower	Upper
97	100		
83	83.8	68.6	102.8
85	53.1	44.5	66.7
99	63.1	52.2	78.4

97 100

83 83.8 68.6 102.8

85 53.1 44.5 66.7

99 63.1 52.2 78.4

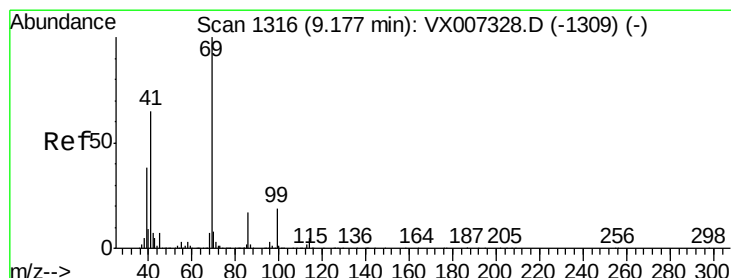
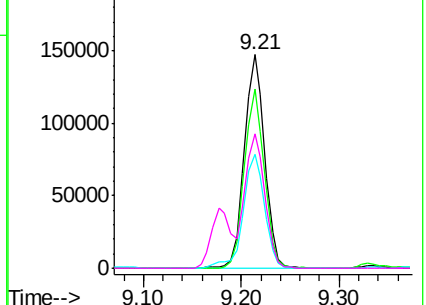


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 50.404 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

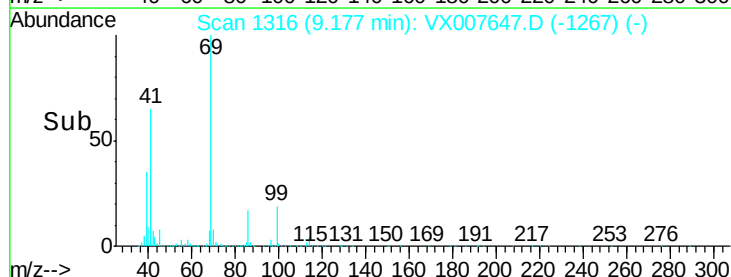
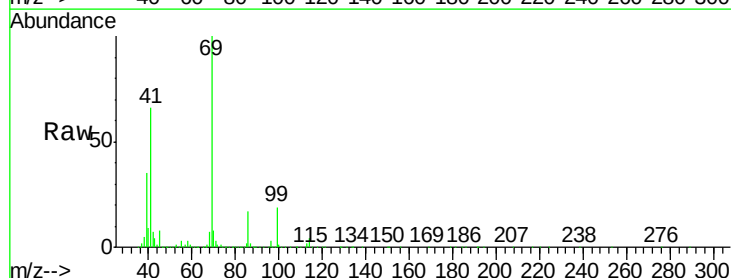
Tgt Ion: 69 Resp: 297253

Ion	Ratio	Lower	Upper
69	100		
41	64.3	52.1	78.1
39	35.5	30.1	45.1

69 100

41 64.3 52.1 78.1

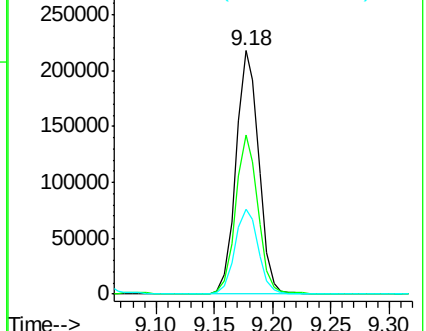
39 35.5 30.1 45.1

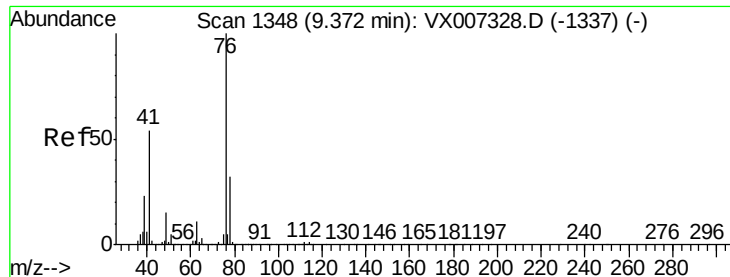


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 48.992 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

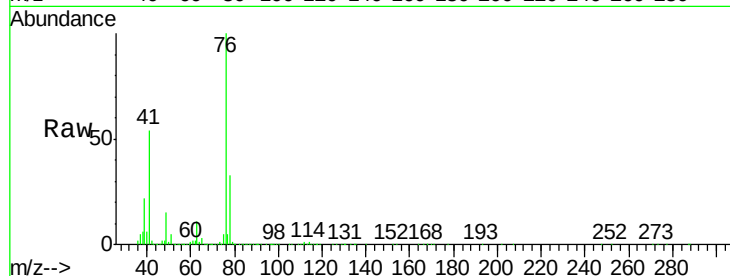
VSTDCCC050

Tot Ion: 76 Resp: 331754

Ion Ratio Lower Upper

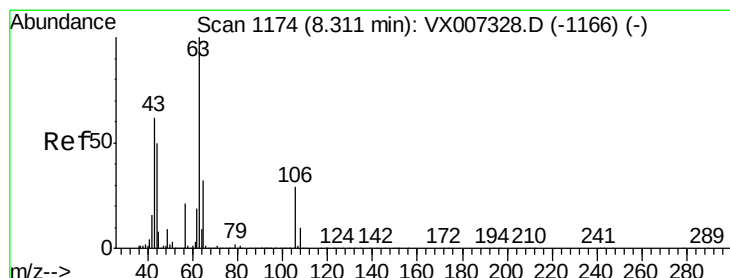
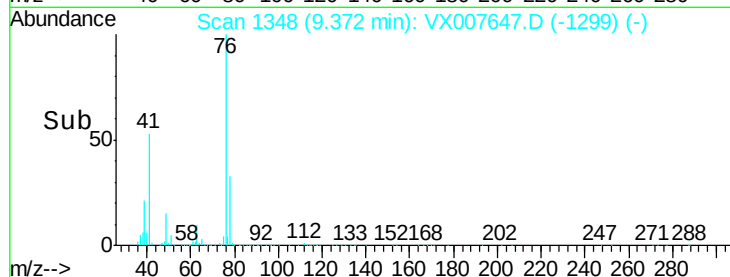
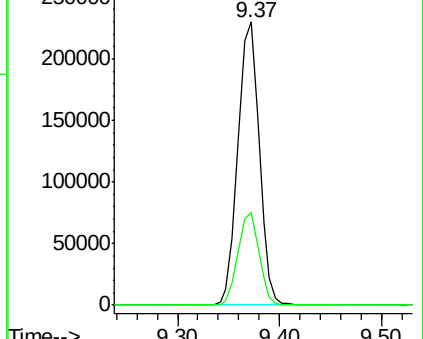
76 100

78 32.4 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 259.419 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007647.D

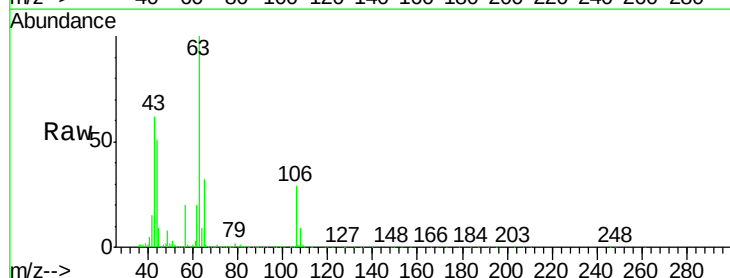
Acq: 22 Feb 2019 09:13

Tgt Ion: 63 Resp: 806387

Ion Ratio Lower Upper

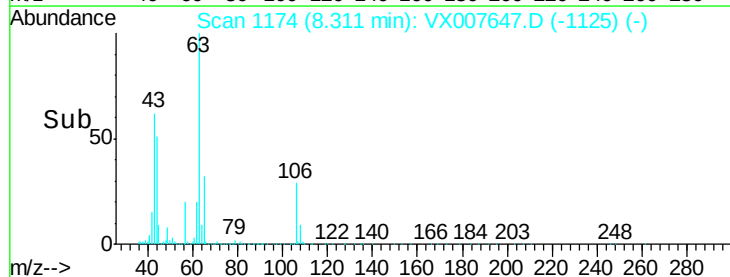
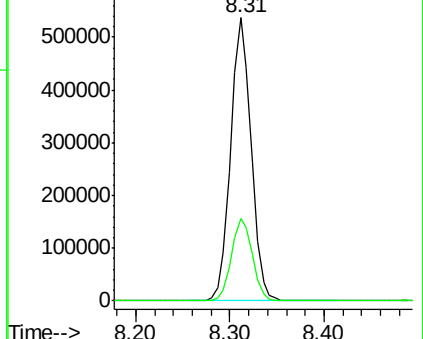
63 100

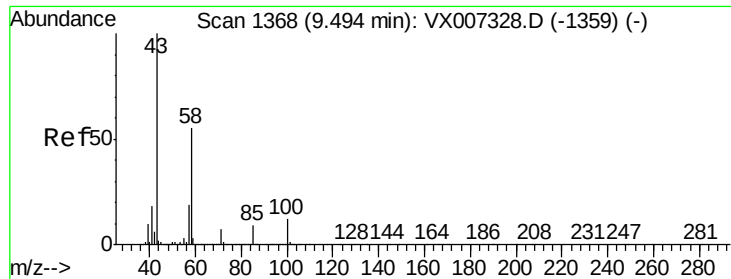
106 29.7 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

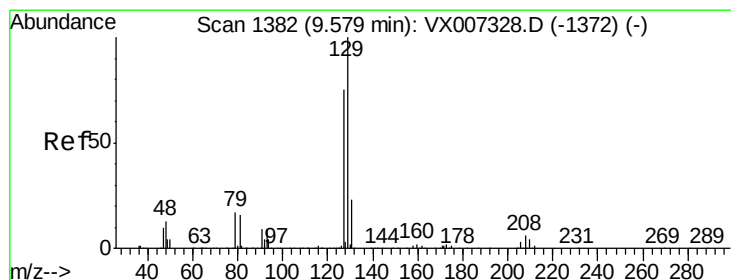
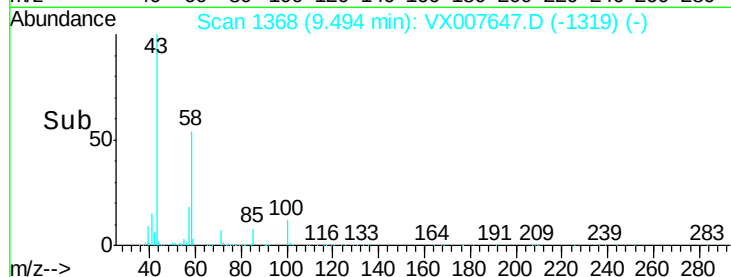
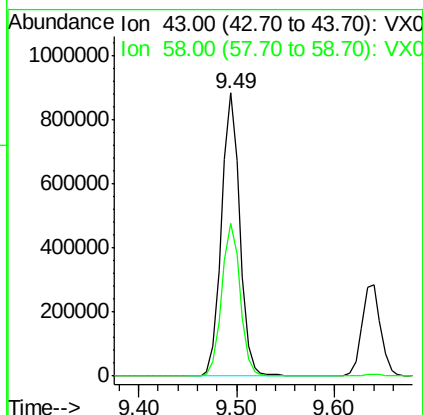
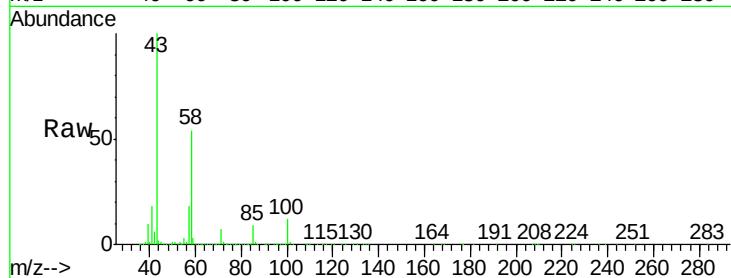




#59
2-Hexanone
Concen: 266.492 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

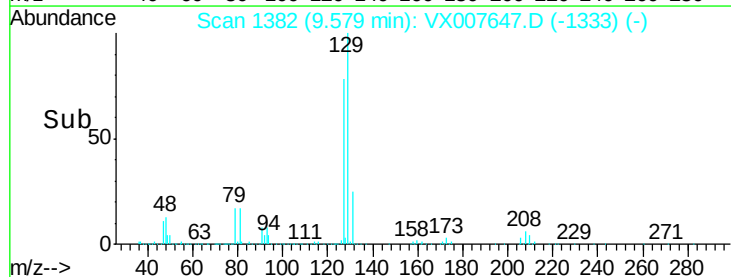
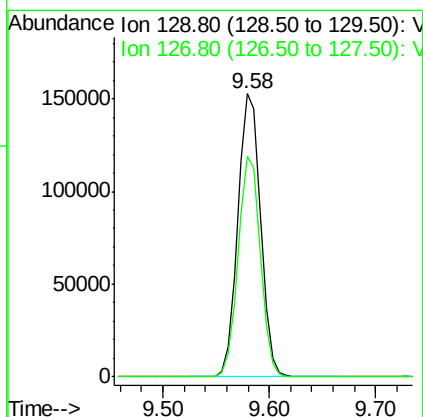
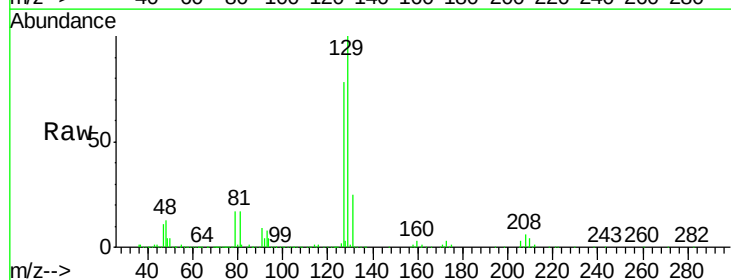
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

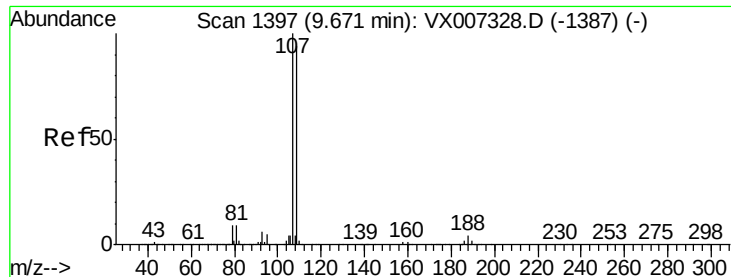
Tot Ion: 43 Resp: 1144865
Ion Ratio Lower Upper
43 100
58 54.7 27.1 81.3



#60
Dibromochloromethane
Concen: 56.960 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Tgt Ion: 129 Resp: 229385
Ion Ratio Lower Upper
129 100
127 76.6 37.8 113.4





#61

1,2-Dibromoethane

Concen: 49.500 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

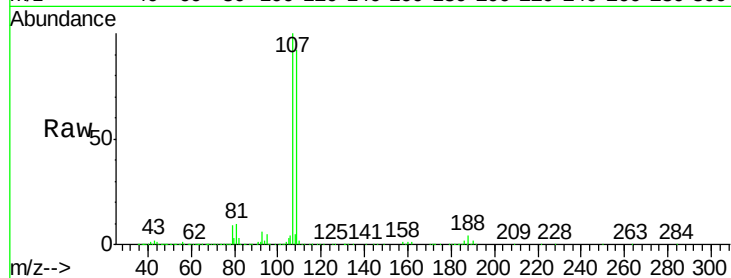
VSTDCCC050

Tot Ion:107 Resp: 223210

Ion Ratio Lower Upper

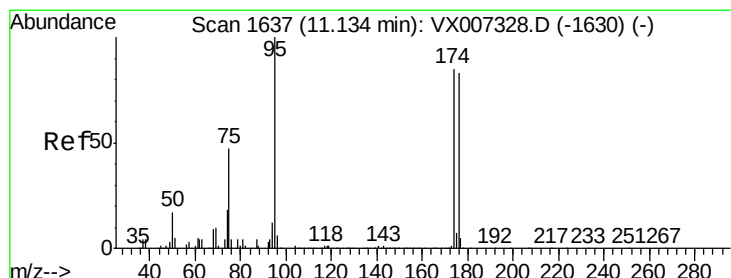
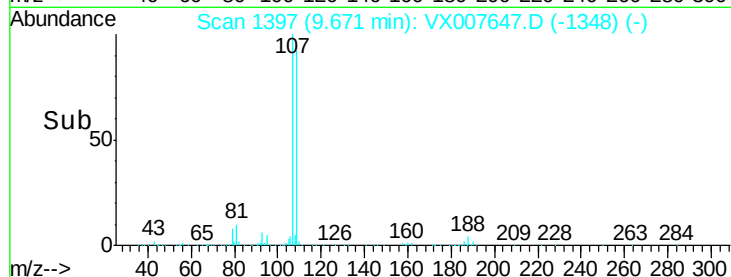
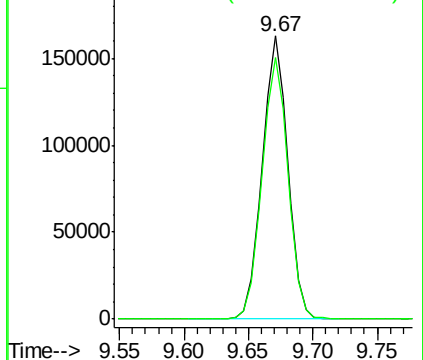
107 100

109 94.2 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.402 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

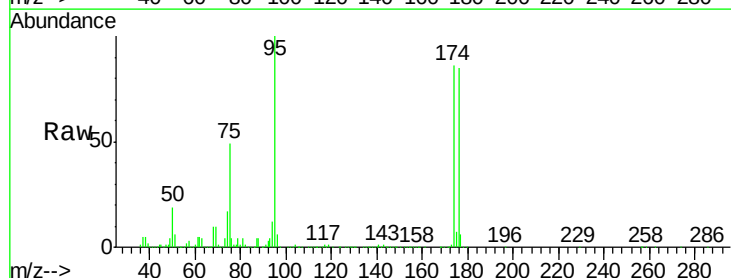
Tgt Ion: 95 Resp: 271395

Ion Ratio Lower Upper

95 100

174 93.5 0.0 189.2

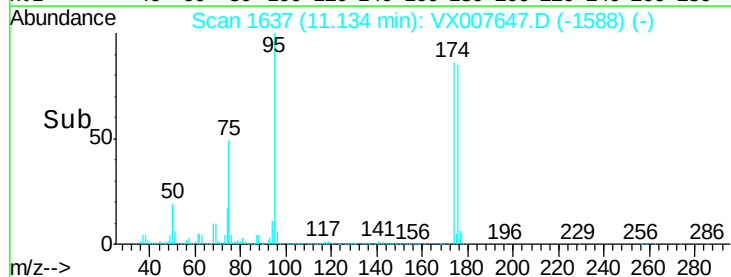
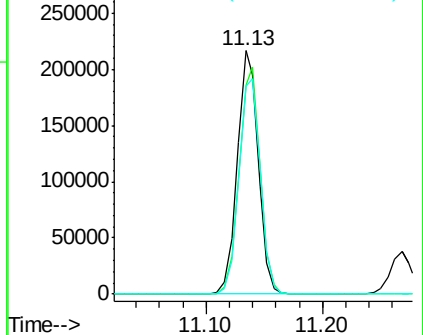
176 91.0 0.0 186.2

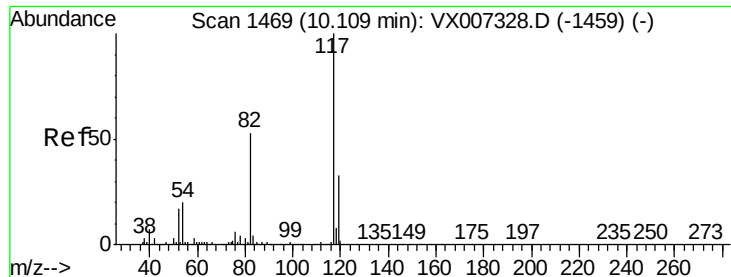


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

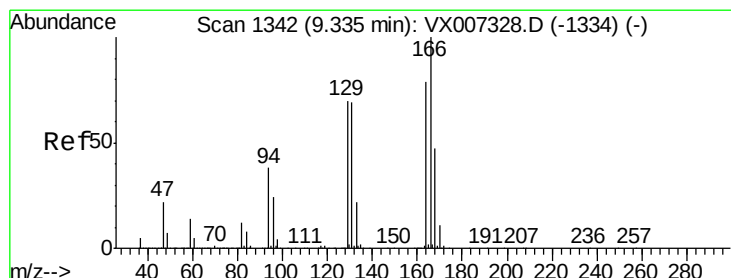
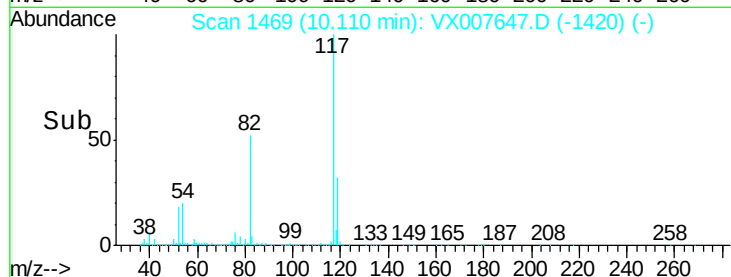
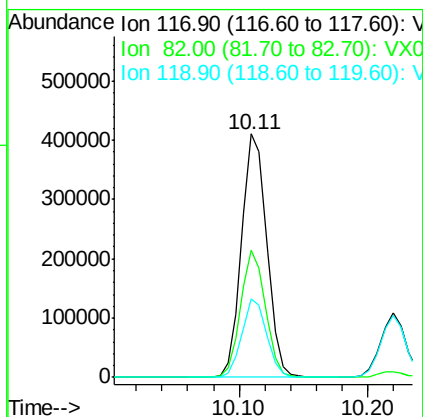
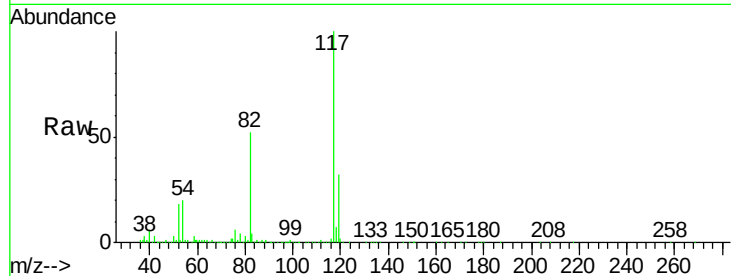




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

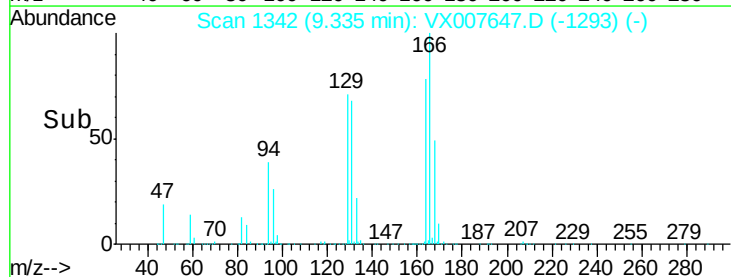
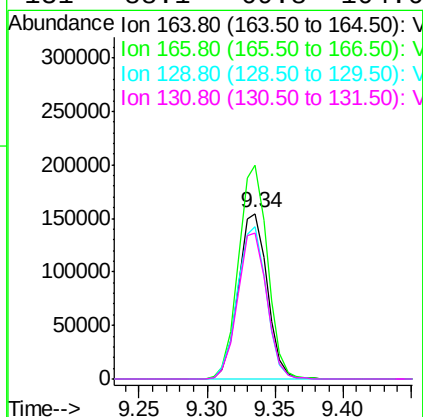
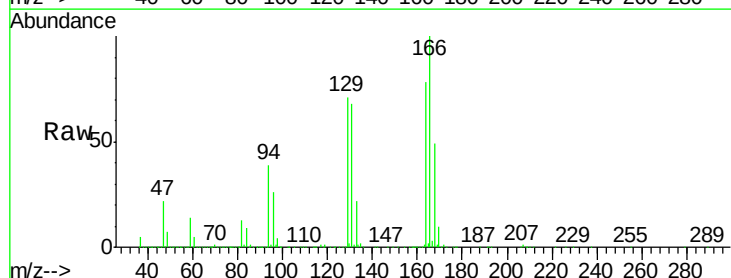
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

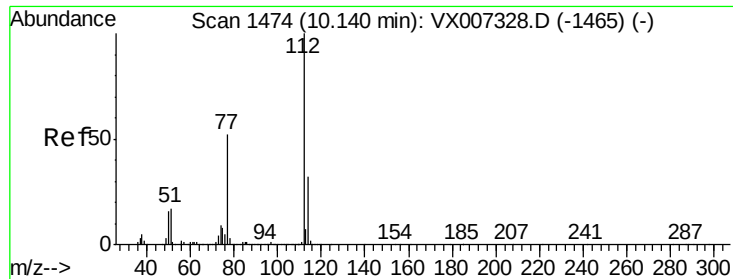
Tot Ion:117 Resp: 556882
Ion Ratio Lower Upper
117 100
82 52.4 42.1 63.1
119 32.3 26.5 39.7



#64
Tetrachloroethene
Concen: 43.943 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Tgt Ion:164 Resp: 230646
Ion Ratio Lower Upper
164 100
166 128.9 101.0 151.4
129 91.6 70.5 105.7
131 88.1 69.8 104.6

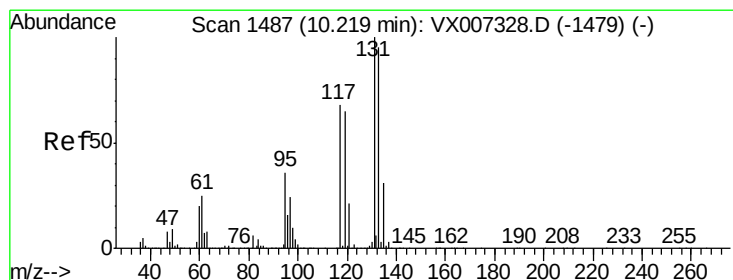
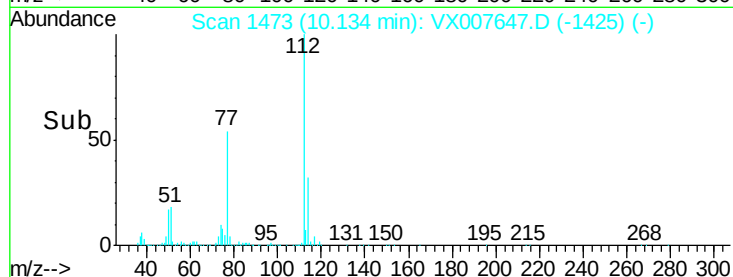
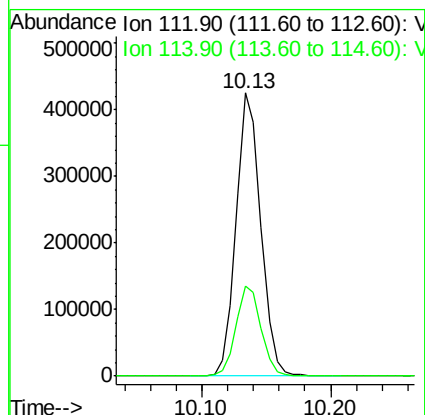
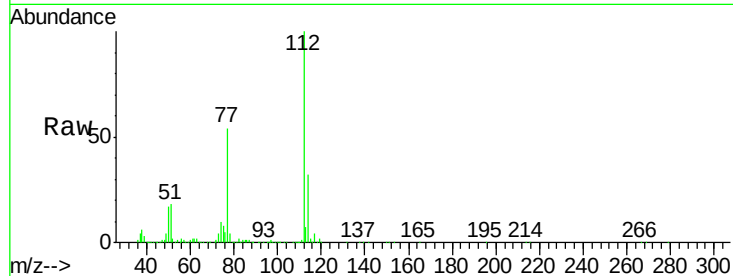




#65
Chlorobenzene
Concen: 46.914 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

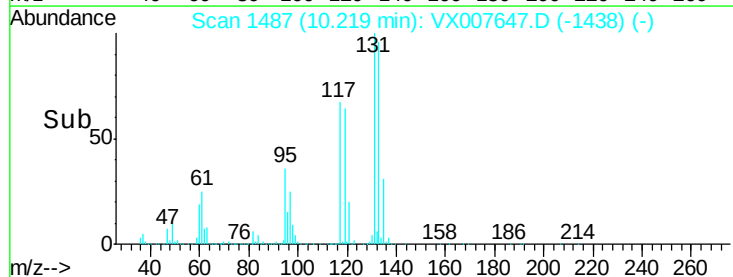
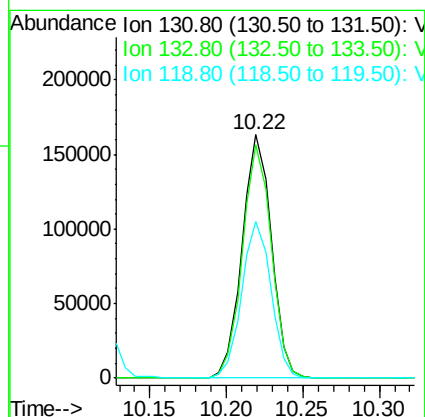
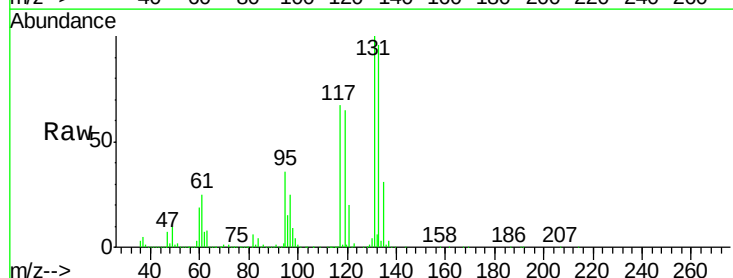
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

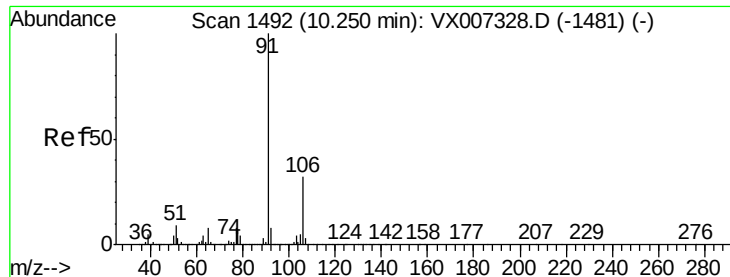
Tot Ion:112 Resp: 570109
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.273 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Tgt Ion:131 Resp: 217049
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.2
119 64.4 32.0 96.0





#67

Ethyl Benzene

Concen: 47.863 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

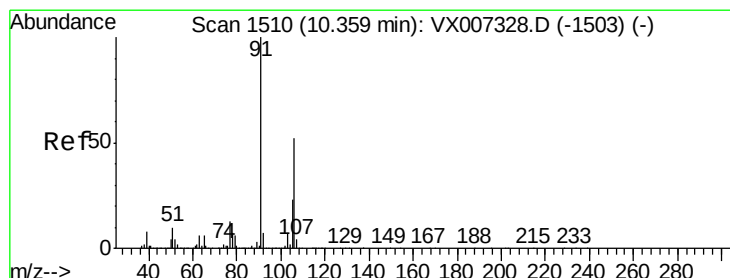
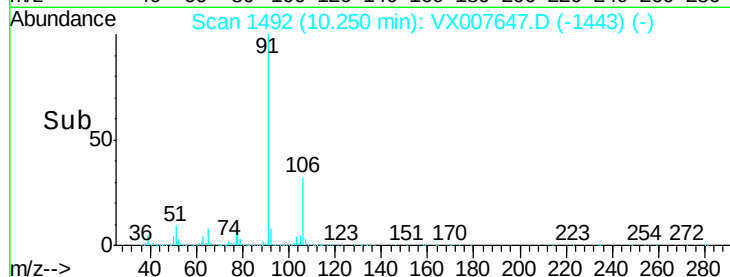
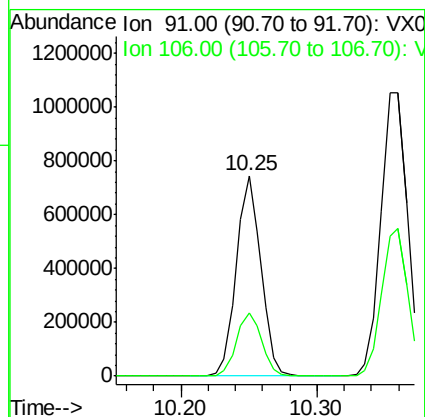
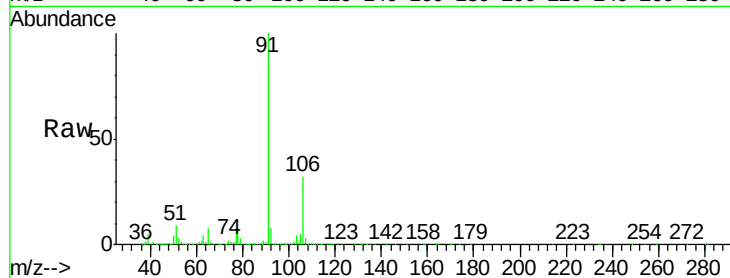
VSTDCCC050

Tot Ion: 91 Resp: 936657

Ion Ratio Lower Upper

91 100

106 31.8 25.4 38.0



#68

m/p-Xylenes

Concen: 94.570 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007647.D

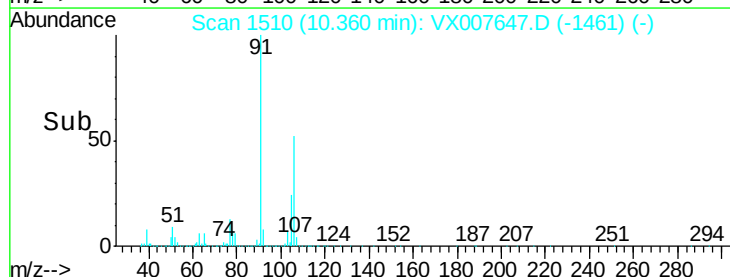
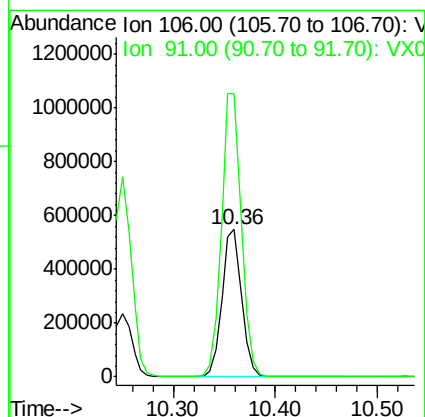
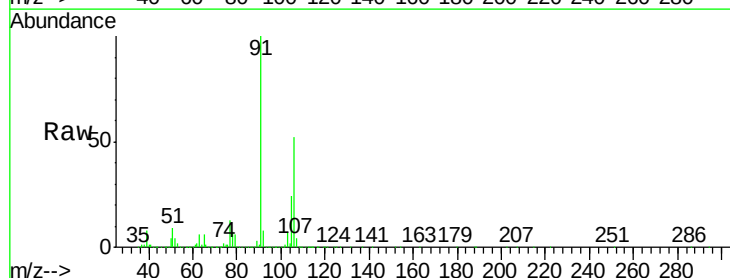
Acq: 22 Feb 2019 09:13

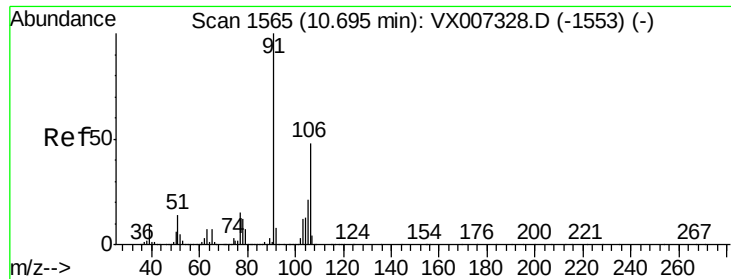
Tgt Ion: 106 Resp: 735679

Ion Ratio Lower Upper

106 100

91 196.0 156.6 234.8

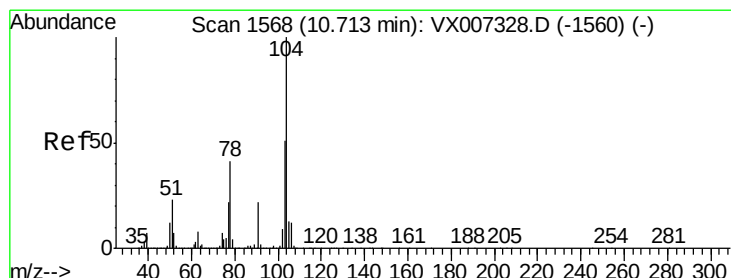
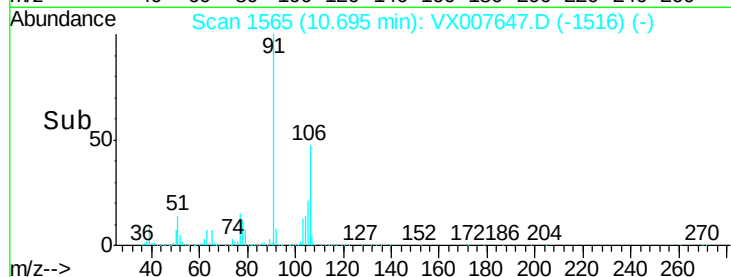
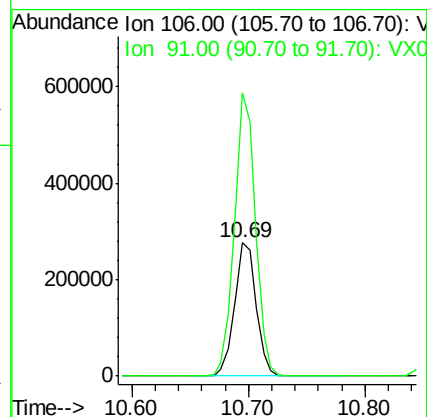
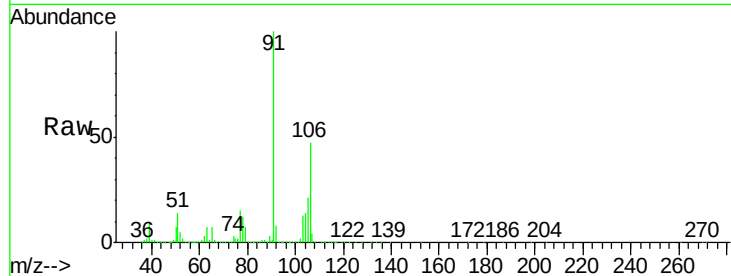




#69
o-Xylene
Concen: 47.615 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

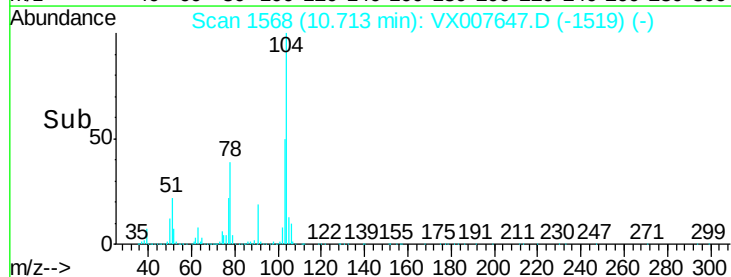
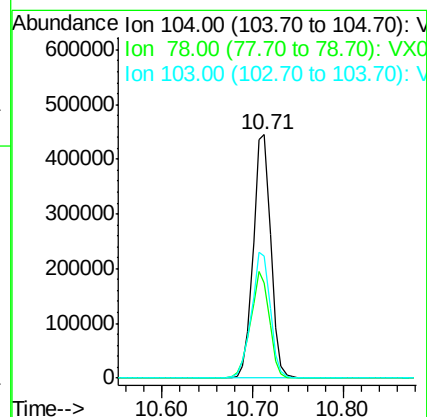
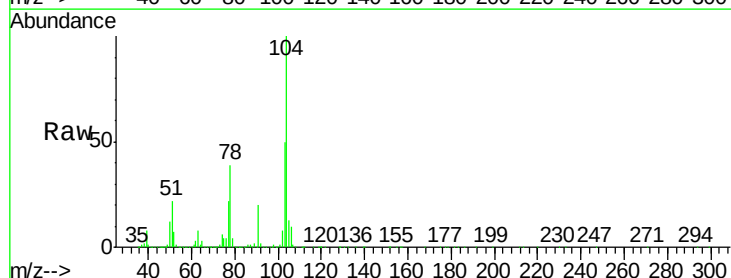
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

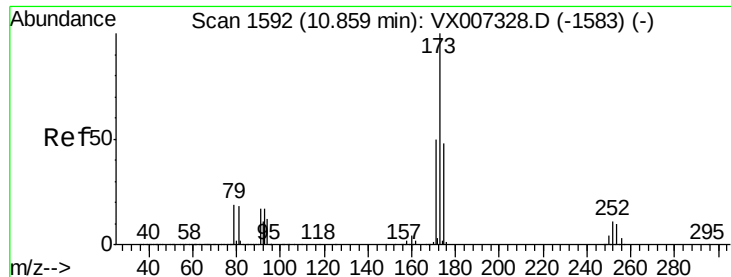
Tot Ion:106 Resp: 356422
Ion Ratio Lower Upper
106 100
91 207.8 102.9 308.7



#70
Styrene
Concen: 49.139 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Tgt Ion:104 Resp: 596542
Ion Ratio Lower Upper
104 100
78 47.0 38.3 57.5
103 55.5 44.6 67.0

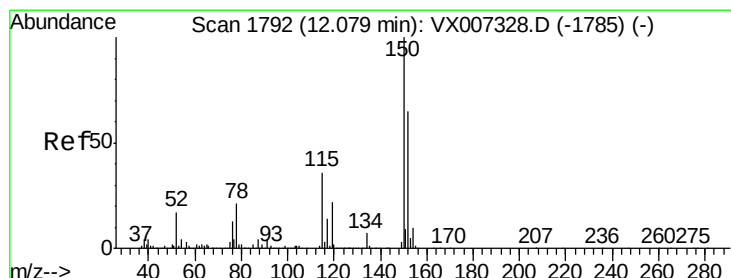
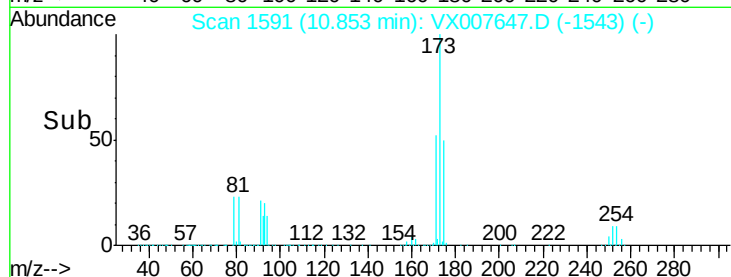
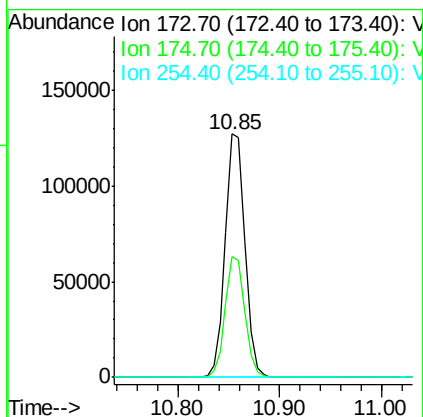
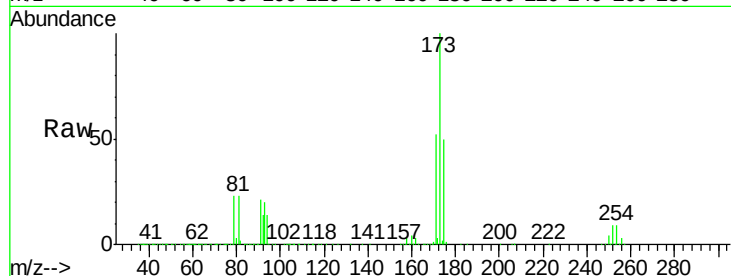




#71
Bromoform
Concen: 47.914 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

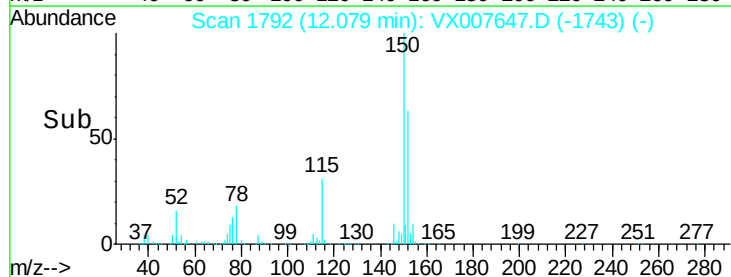
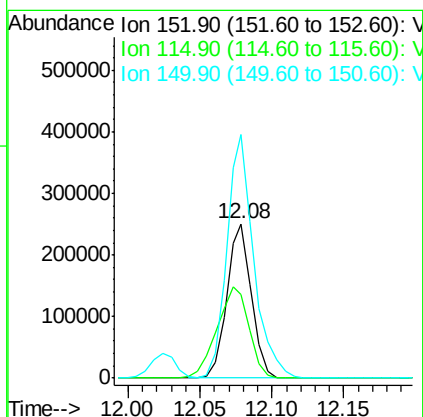
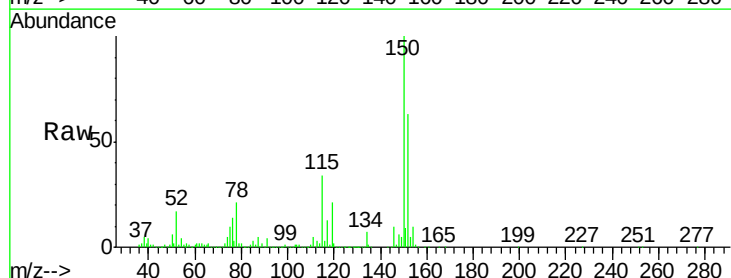
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

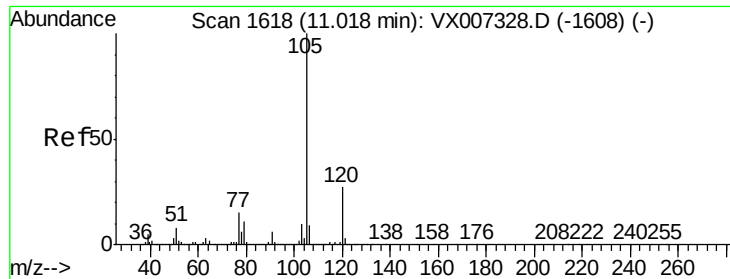
Tot Ion:173 Resp: 170566
Ion Ratio Lower Upper
173 100
175 49.6 24.2 72.6
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Tgt Ion:152 Resp: 299324
Ion Ratio Lower Upper
152 100
115 77.0 38.0 114.0
150 172.6 0.0 346.4





#73

Isopropylbenzene

Concen: 47.985 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

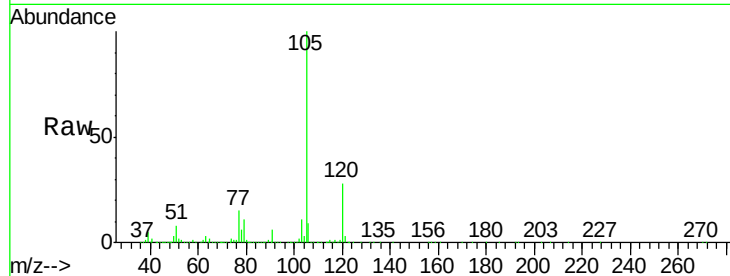
VSTDCCC050

Tot Ion:105 Resp: 976043

Ion Ratio Lower Upper

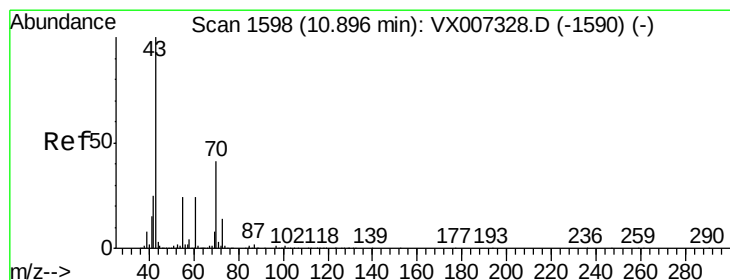
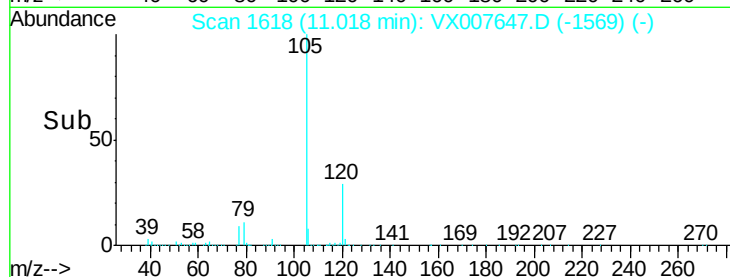
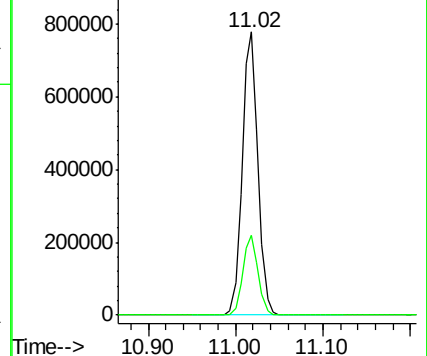
105 100

120 27.5 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.654 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Tgt Ion: 43 Resp: 374916

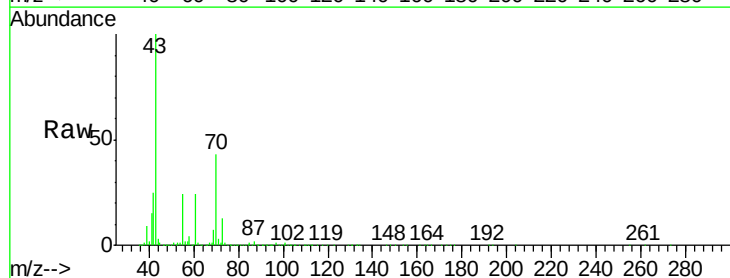
Ion Ratio Lower Upper

43 100

70 43.8 33.8 50.6

55 24.9 19.5 29.3

61 24.0 19.4 29.2

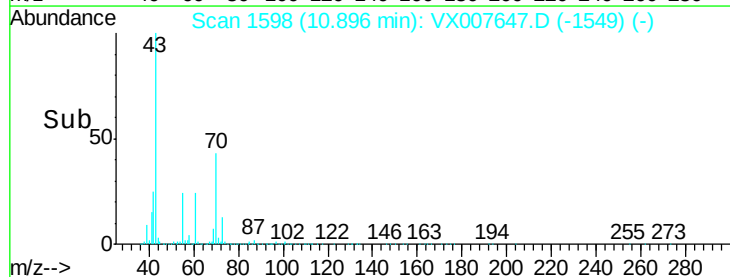
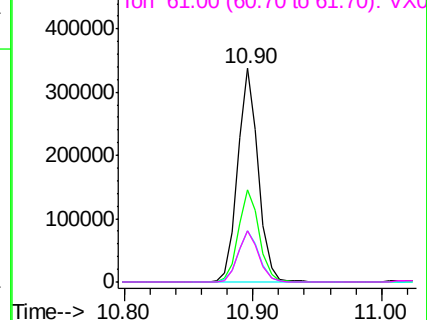


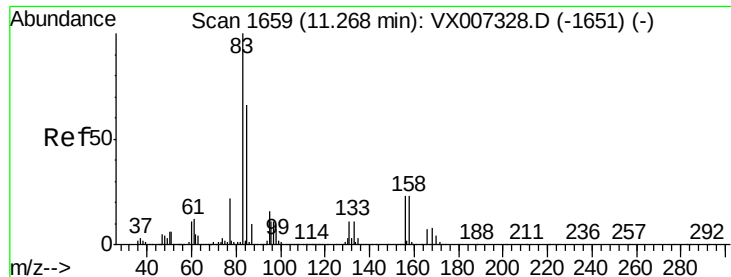
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.090 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

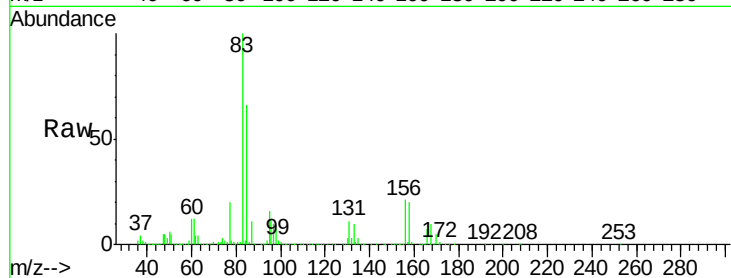
Tot Ion: 83 Resp: 304308

Ion Ratio Lower Upper

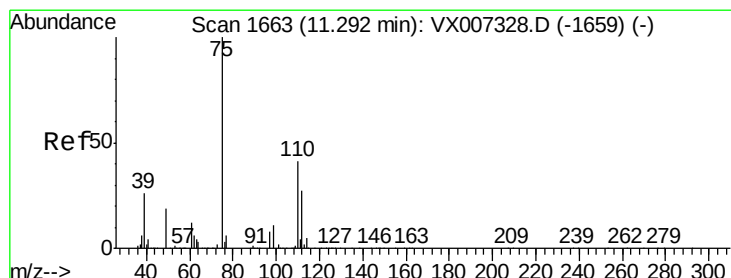
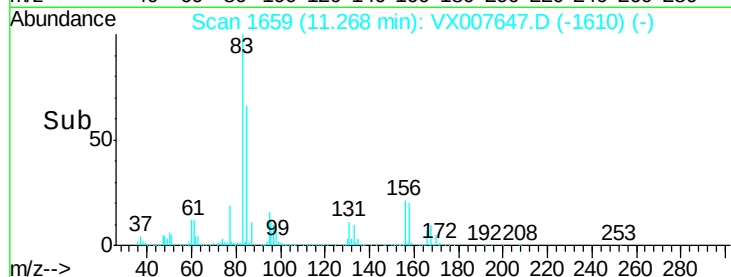
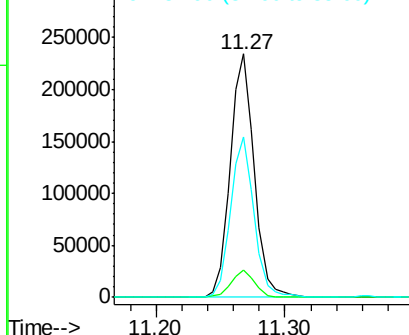
83 100

131 11.0 5.7 17.0

85 64.7 32.8 98.3



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



#76

1,2,3-Trichloropropane

Concen: 60.655 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX007647.D

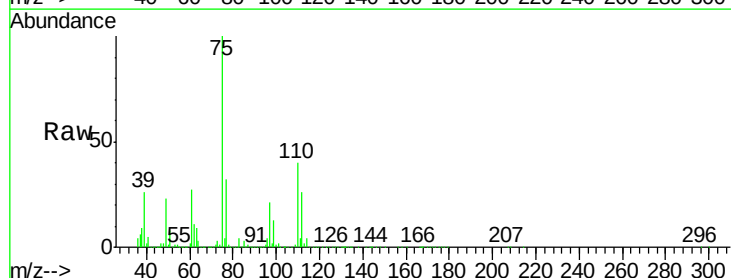
Acq: 22 Feb 2019 09:13

Tgt Ion: 75 Resp: 353146

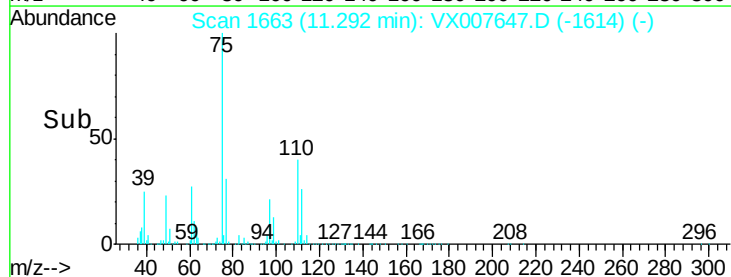
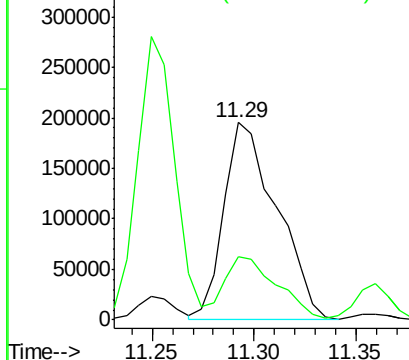
Ion Ratio Lower Upper

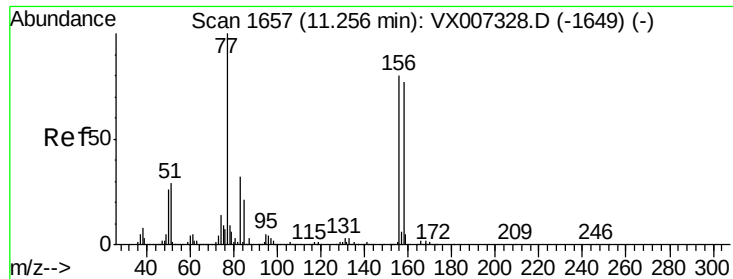
75 100

77 32.3 23.0 69.0



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





#77

Bromobenzene

Concen: 45.751 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

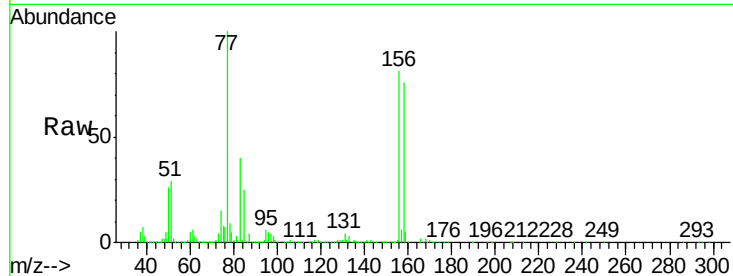
Tot Ion:156 Resp: 262203

Ion Ratio Lower Upper

156 100

77 135.5 66.8 200.6

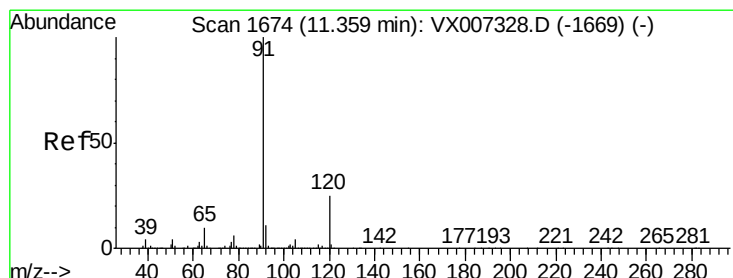
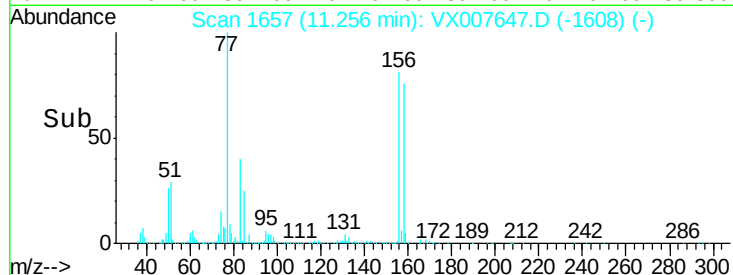
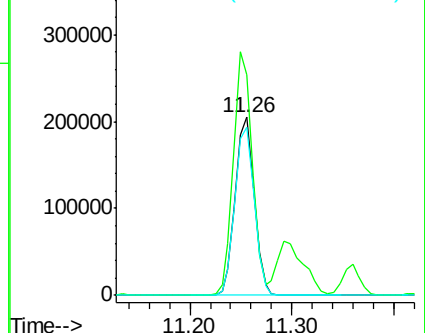
158 97.1 47.9 143.8



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: 49.675 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007647.D

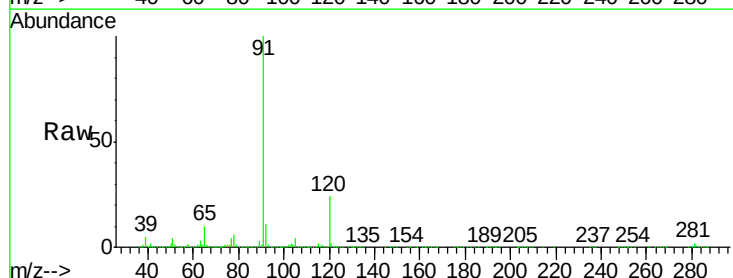
Acq: 22 Feb 2019 09:13

Tgt Ion: 91 Resp: 1107996

Ion Ratio Lower Upper

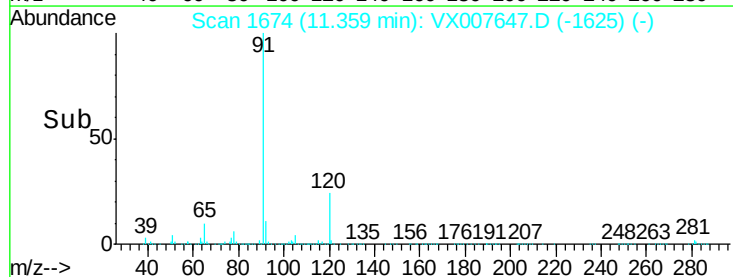
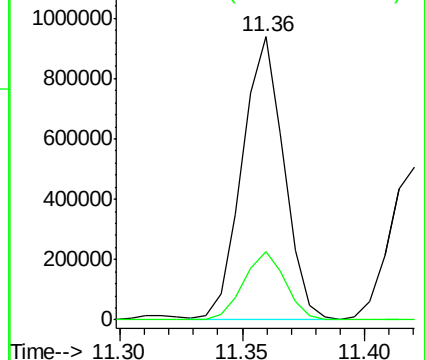
91 100

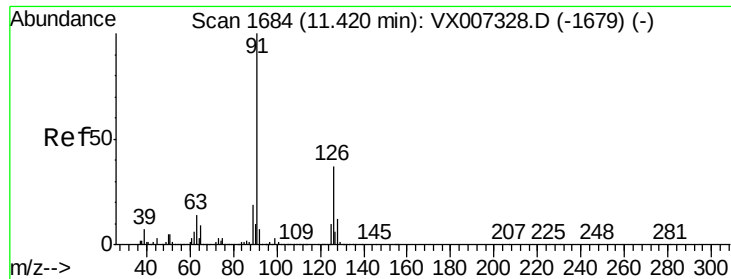
120 24.4 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

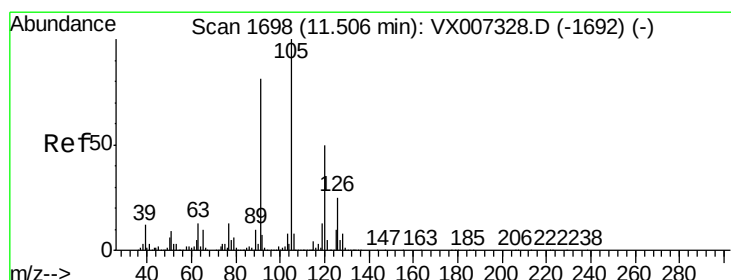
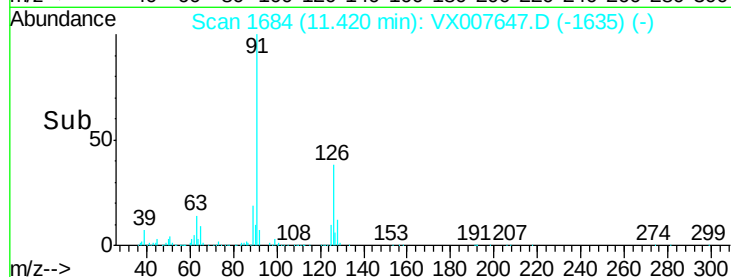
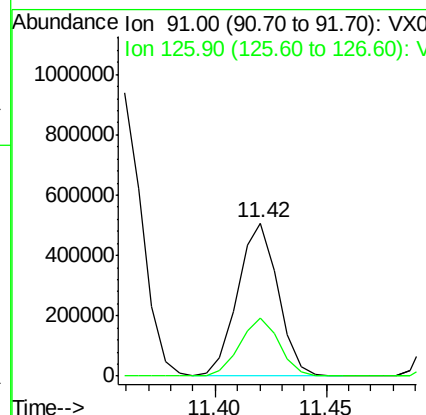
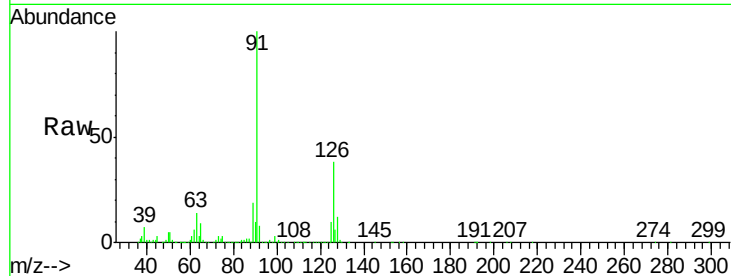




#79
 2-Chlorotoluene
 Concen: 47.095 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX007647.D
 Acq: 22 Feb 2019 09:13

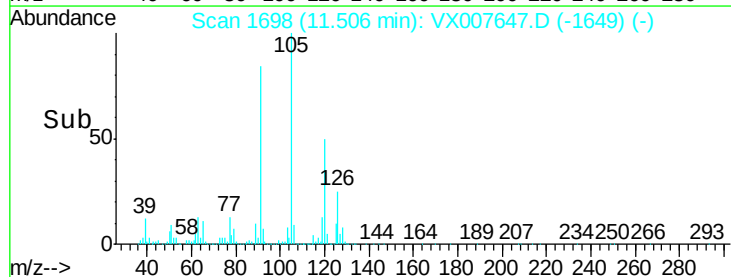
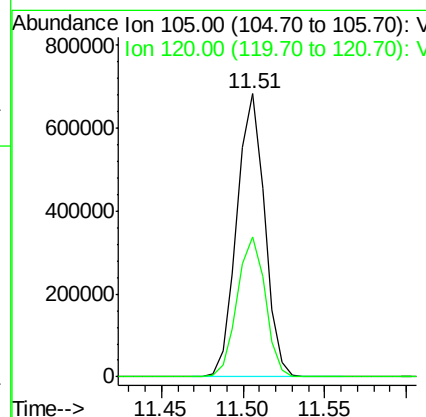
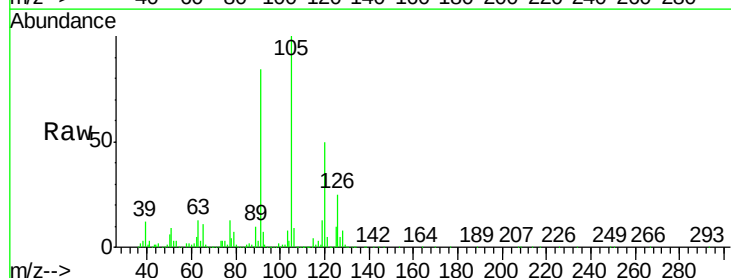
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

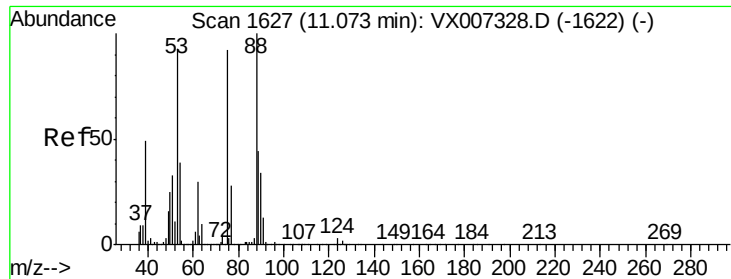
Tot Ion: 91 Resp: 637388
 Ion Ratio Lower Upper
 91 100
 126 37.3 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 48.800 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007647.D
 Acq: 22 Feb 2019 09:13

Tgt Ion: 105 Resp: 812084
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.304 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

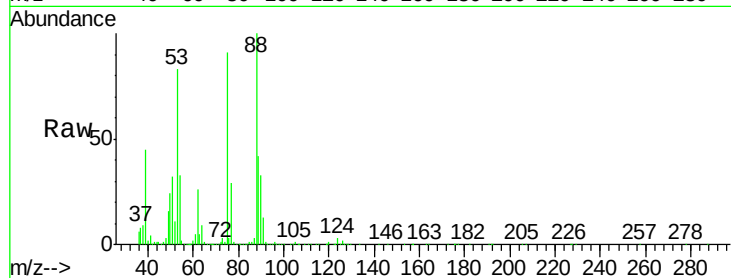
Tot Ion: 75 Resp: 92750

Ion Ratio Lower Upper

75 100

53 94.8 81.0 121.6

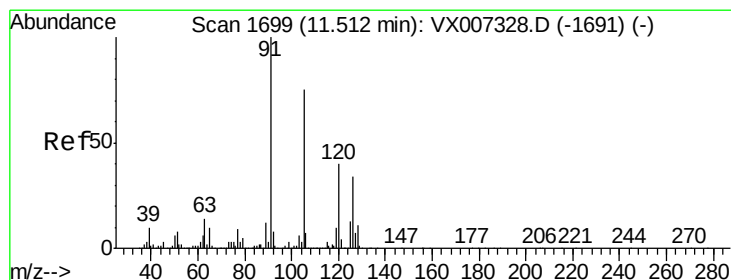
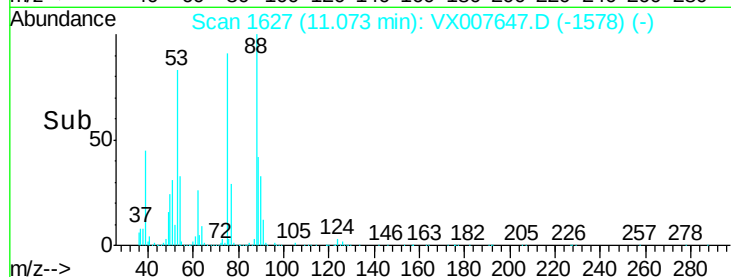
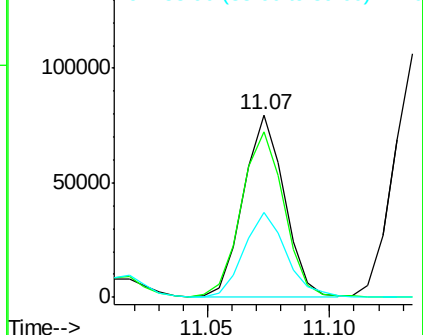
89 48.3 41.4 62.0



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: 48.198 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007647.D

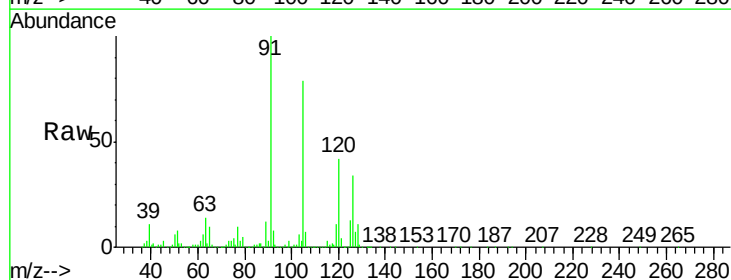
Acq: 22 Feb 2019 09:13

Tgt Ion: 91 Resp: 754791

Ion Ratio Lower Upper

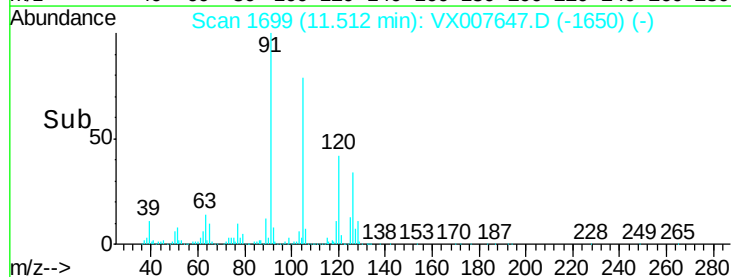
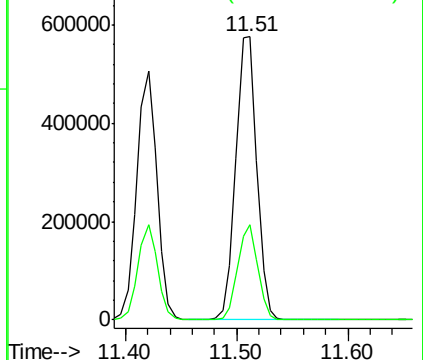
91 100

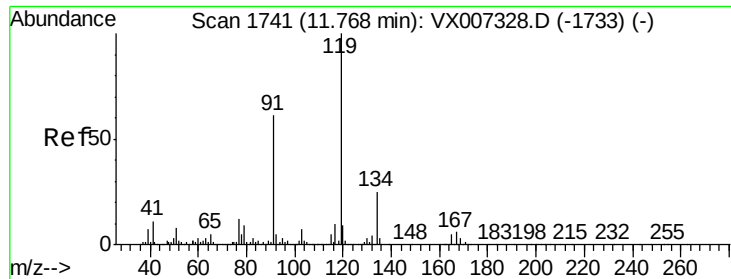
126 32.1 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 48.830 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

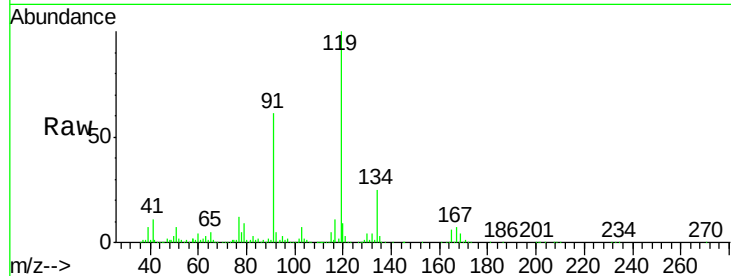
Tot Ion:119 Resp: 804513

Ion Ratio Lower Upper

119 100

91 56.7 28.5 85.6

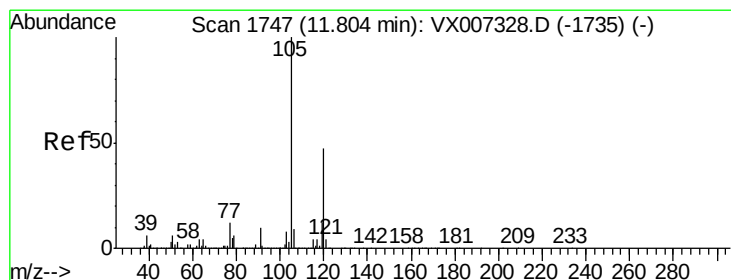
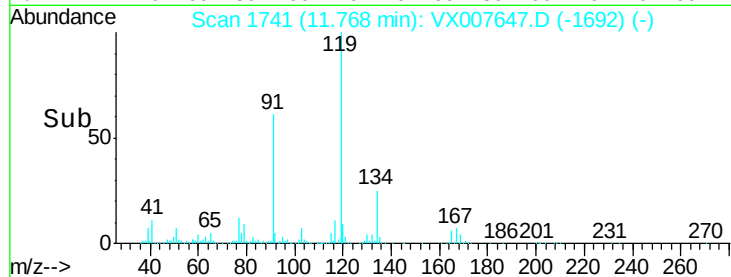
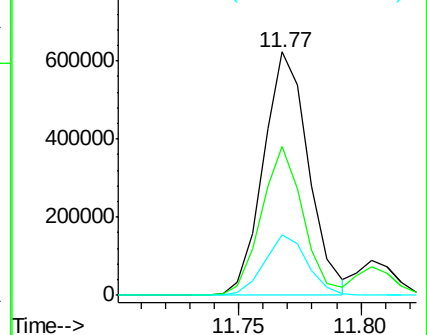
134 23.8 12.0 36.0



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: 48.921 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007647.D

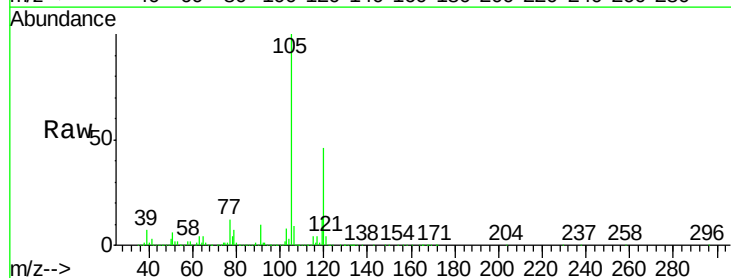
Acq: 22 Feb 2019 09:13

Tgt Ion:105 Resp: 826512

Ion Ratio Lower Upper

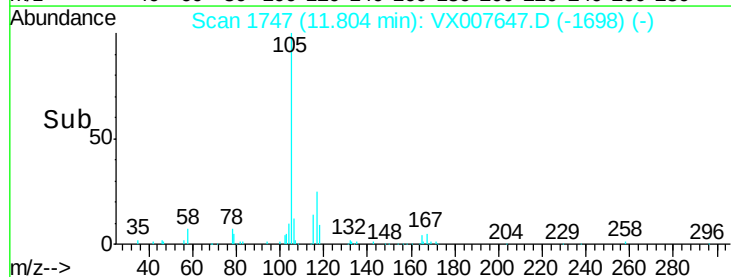
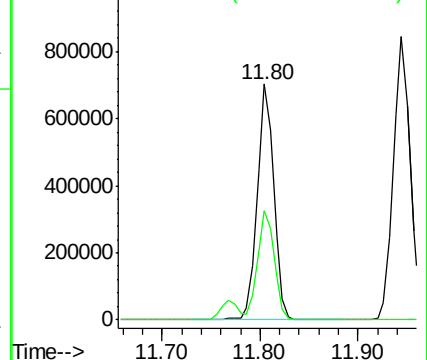
105 100

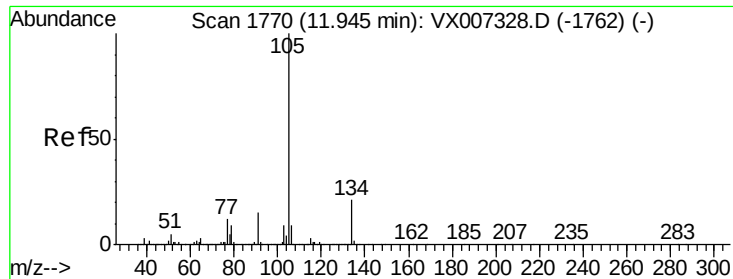
120 46.1 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.254 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

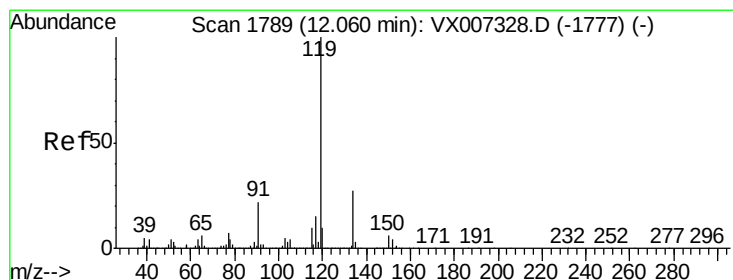
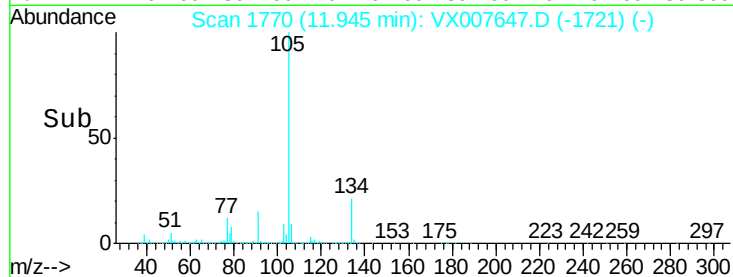
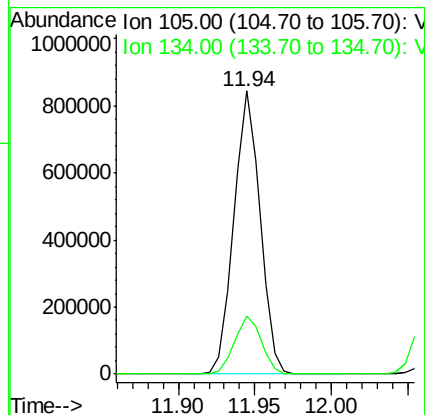
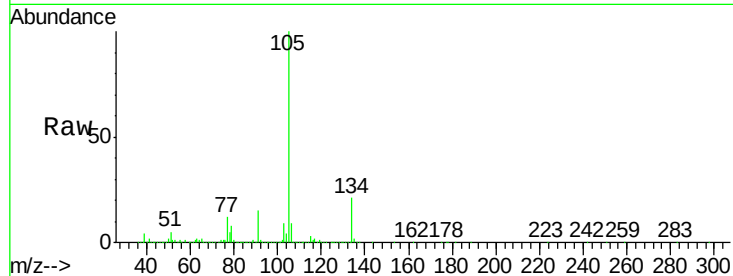
VSTDCCC050

Tot Ion:105 Resp: 1002111

Ion Ratio Lower Upper

105 100

134 21.1 10.6 31.8



#86

p-Isopropyltoluene

Concen: 50.230 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

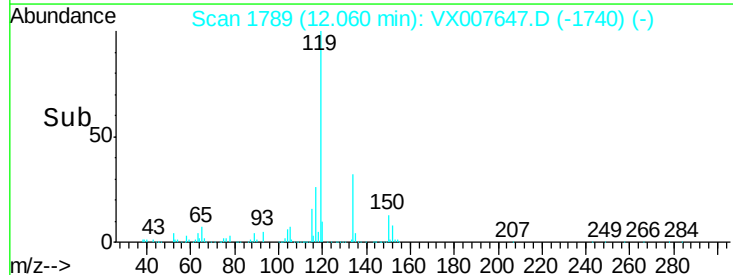
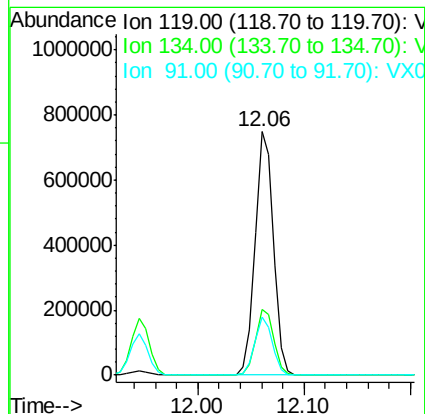
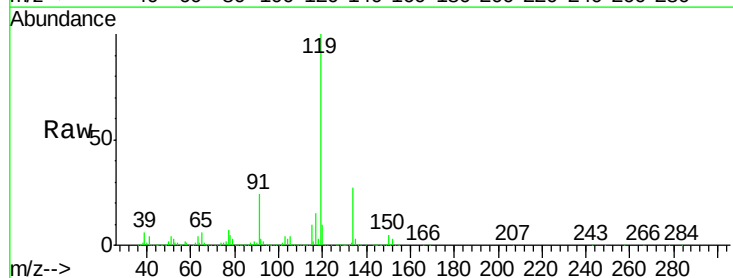
Tgt Ion:119 Resp: 904169

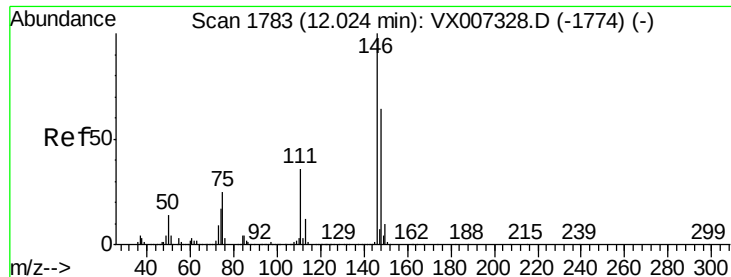
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.1

91 22.8 11.2 33.5

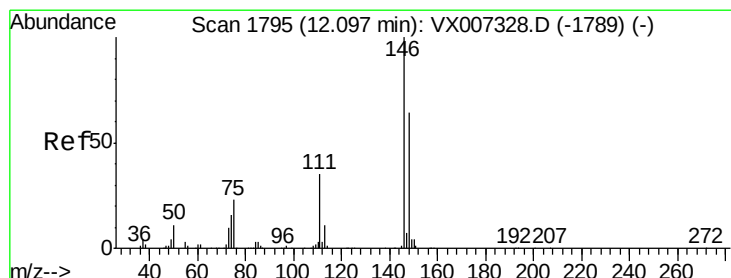
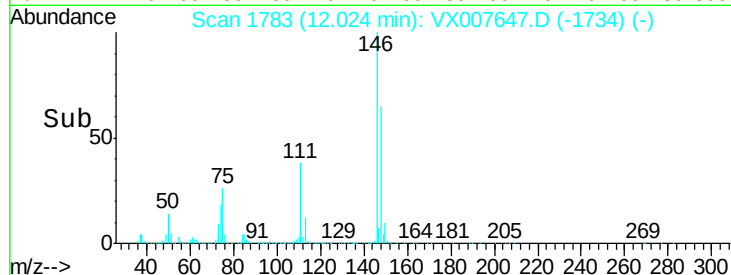
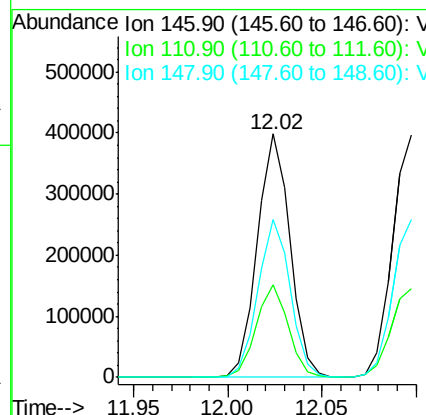
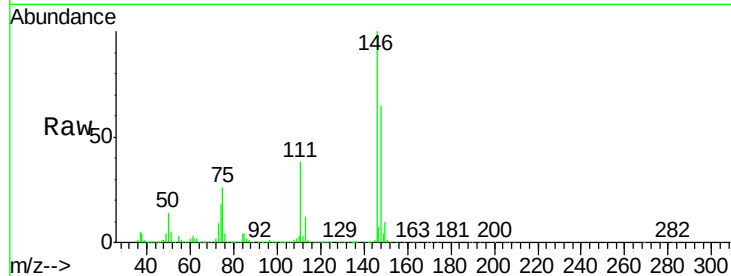




#87
 1,3-Dichlorobenzene
 Concen: 46.515 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007647.D
 Acq: 22 Feb 2019 09:13

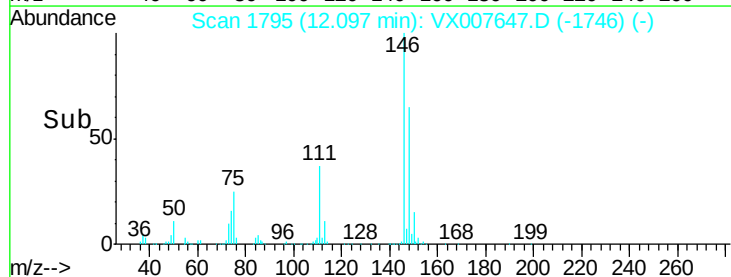
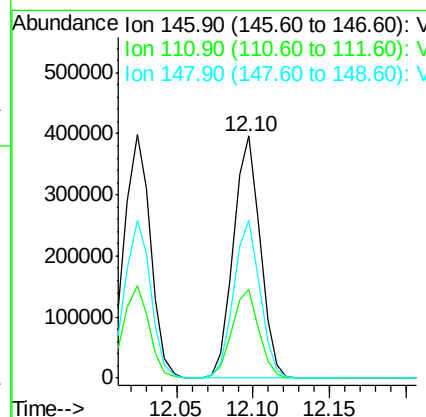
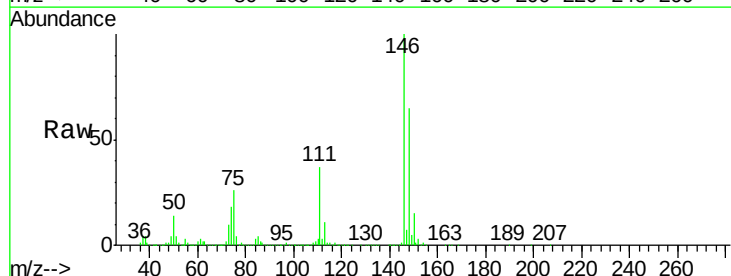
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

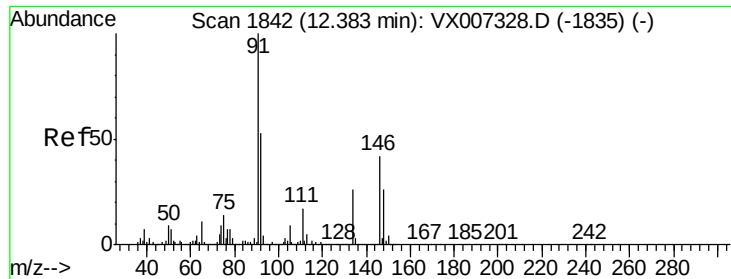
Tot Ion:146 Resp: 478429
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.1 54.1
 148 64.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 46.245 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007647.D
 Acq: 22 Feb 2019 09:13

Tgt Ion:146 Resp: 482562
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.1
 148 64.1 32.3 96.9

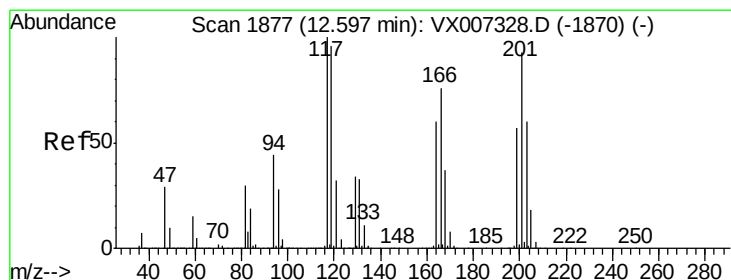
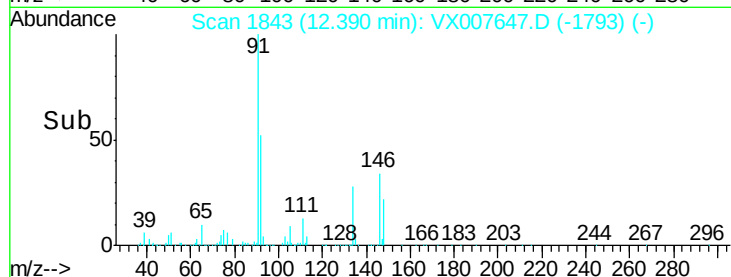
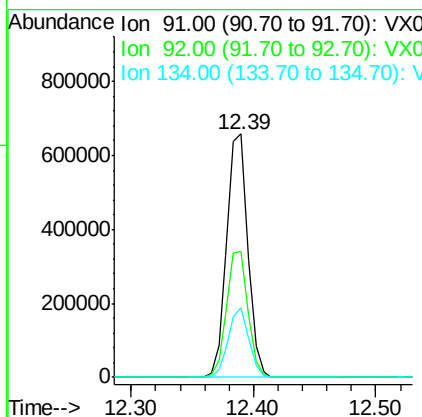
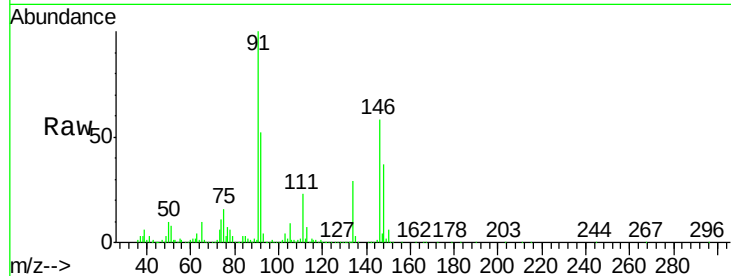




#89
n-Butylbenzene
Concen: 50.644 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

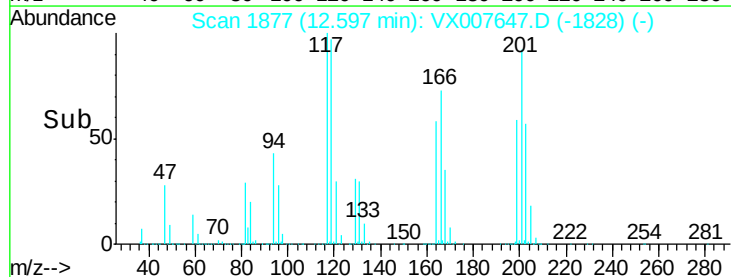
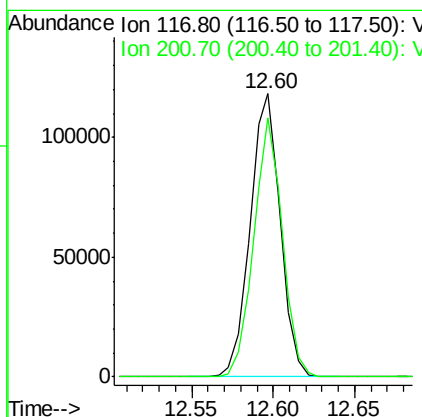
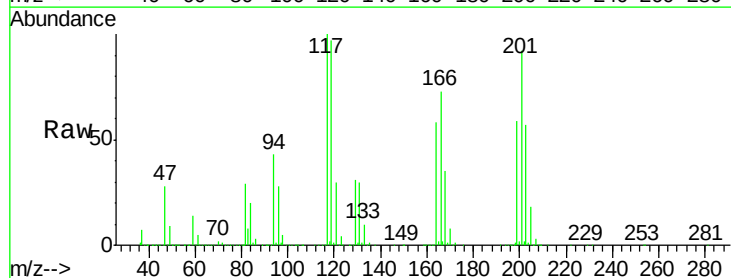
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

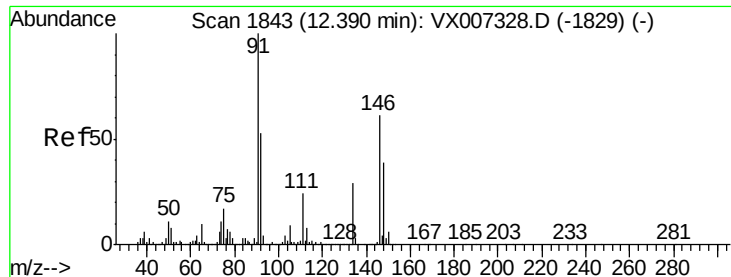
Tot Ion: 91 Resp: 784210
Ion Ratio Lower Upper
91 100
92 52.3 26.3 78.9
134 27.5 13.9 41.6



#90
Hexachloroethane
Concen: 56.150 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007647.D
Acq: 22 Feb 2019 09:13

Tgt Ion: 117 Resp: 151270
Ion Ratio Lower Upper
117 100
201 87.0 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 46.570 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

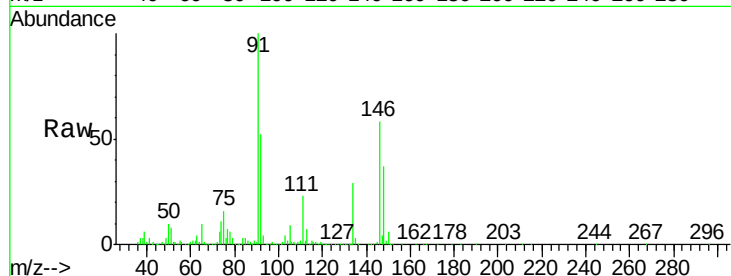
Tot Ion:146 Resp: 476685

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.3

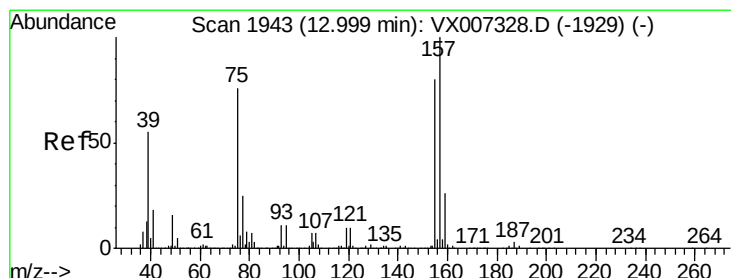
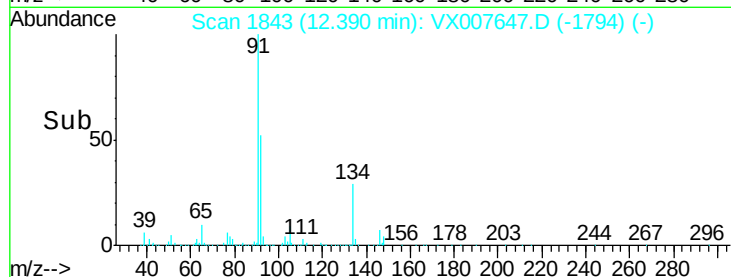
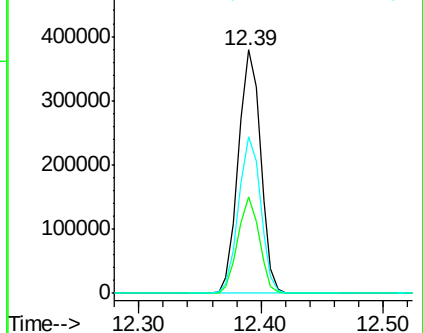
148 63.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.126 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

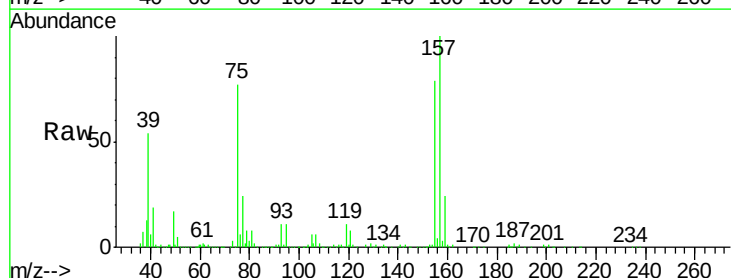
Tgt Ion: 75 Resp: 65900

Ion Ratio Lower Upper

75 100

155 99.1 49.6 149.0

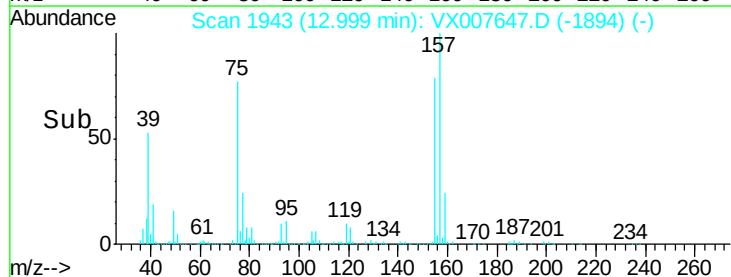
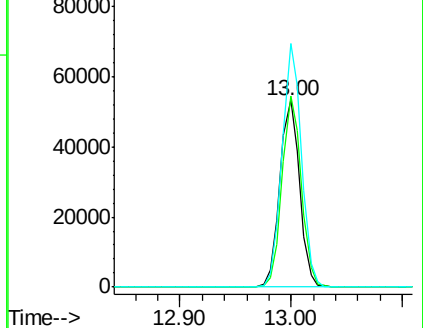
157 127.1 65.1 195.3

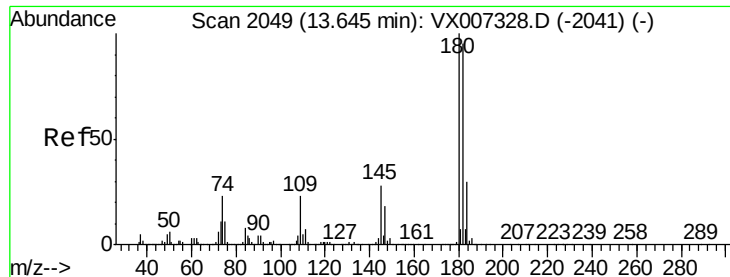


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

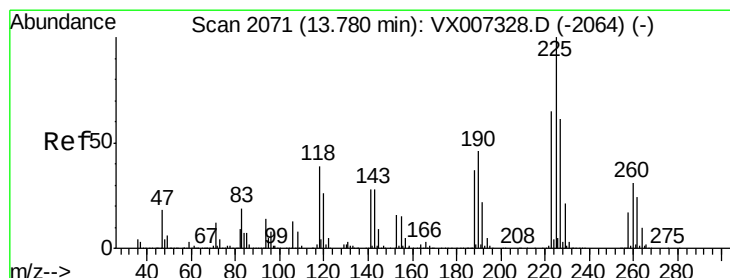
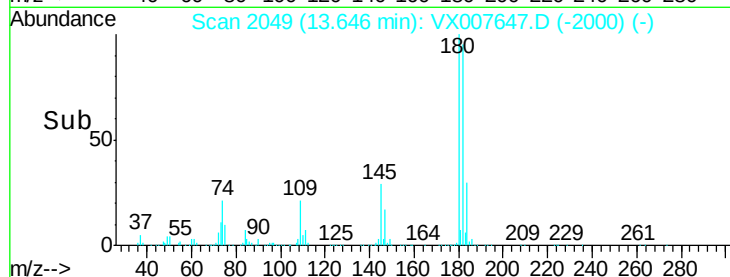
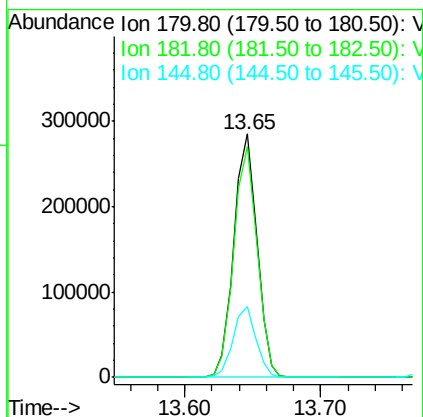
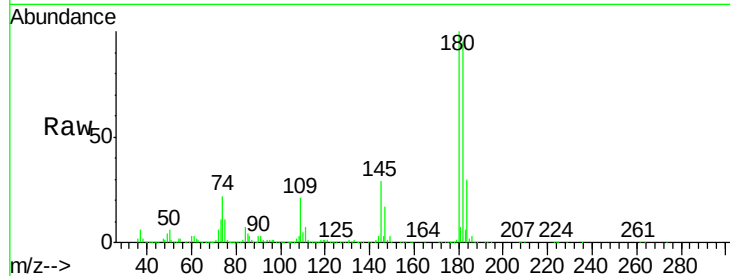




#93
 1,2,4-Trichlorobenzene
 Concen: 49.314 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007647.D
 Acq: 22 Feb 2019 09:13

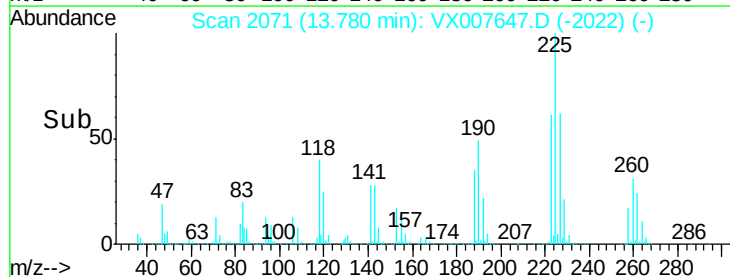
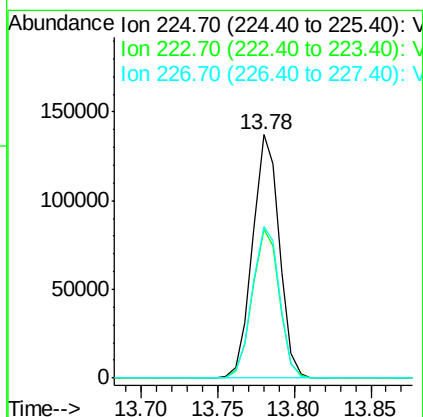
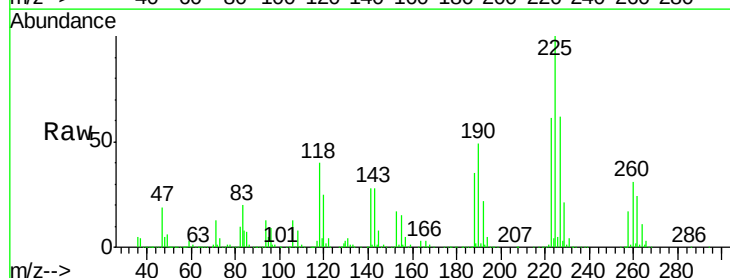
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

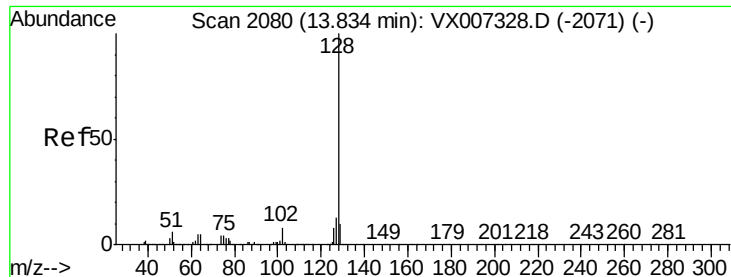
Tot Ion:180 Resp: 340414
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.8 143.3
 145 28.8 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 49.727 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007647.D
 Acq: 22 Feb 2019 09:13

Tgt Ion:225 Resp: 166681
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.6 94.8
 227 63.6 32.1 96.3





#95

Naphthalene

Concen: 49.612 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Instrument :

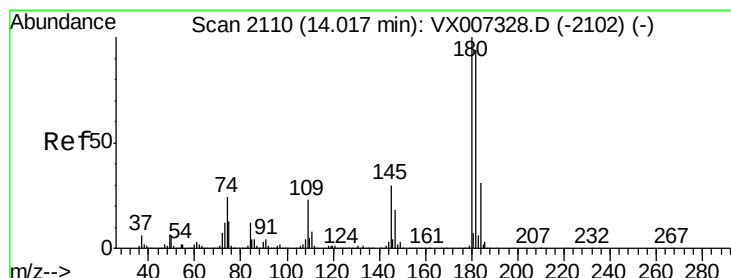
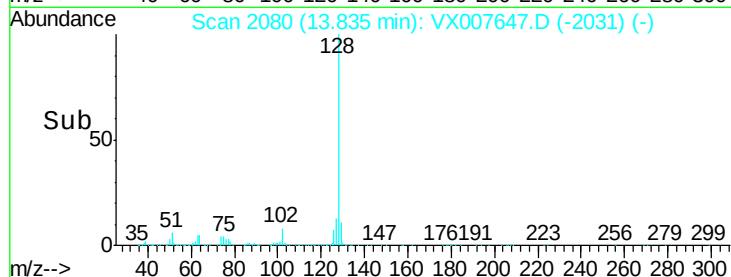
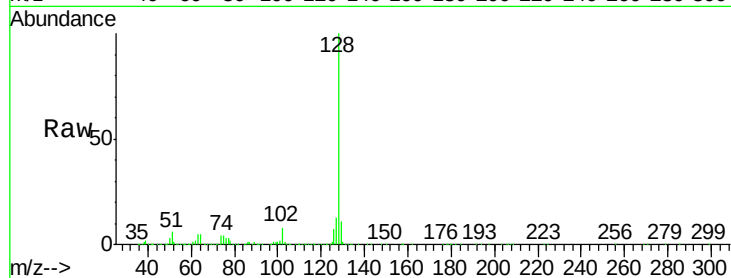
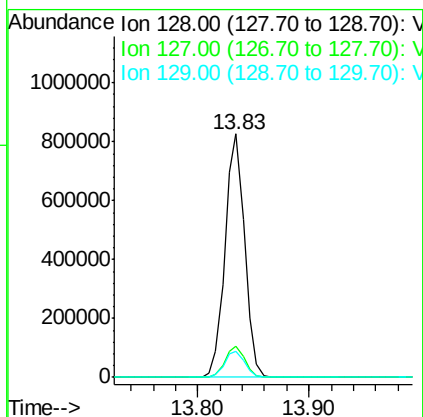
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1001491

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.0	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 47.937 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007647.D

Acq: 22 Feb 2019 09:13

Tgt Ion:180 Resp: 333090

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	30.6	14.9	44.5

