

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010849.D
 Acq On : 12 Jul 2019 20:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 13 01:43:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	244357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	367860	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	340913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177840	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	103375	45.12	ug/l	0.00
Spiked Amount			Recovery	=	90.24%	
35) Dibromofluoromethane	5.50	113	99794	44.34	ug/l	0.00
Spiked Amount			Recovery	=	88.68%	
50) Toluene-d8	8.71	98	354053	41.12	ug/l	0.00
Spiked Amount			Recovery	=	82.24%	
62) 4-Bromofluorobenzene	11.13	95	136123	43.79	ug/l	0.00
Spiked Amount			Recovery	=	87.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	80346	47.295	ug/l	98
3) Chloromethane	1.32	50	81963	41.433	ug/l	99
4) Vinyl Chloride	1.41	62	91354	42.162	ug/l	99
5) Bromomethane	1.64	94	48675	46.112	ug/l	98
6) Chloroethane	1.71	64	60124	47.033	ug/l	97
7) Trichlorofluoromethane	1.92	101	161222	46.938	ug/l	99
8) Diethyl Ether	2.19	74	56210	45.634	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	90377	43.420	ug/l	99
10) Methyl Iodide	2.51	142	101152	34.051	ug/l	96
11) Tert butyl alcohol	3.05	59	121162	202.104	ug/l	97
12) 1,1-Dichloroethene	2.37	96	91361	43.135	ug/l	98
13) Acrolein	2.29	56	91365	229.736	ug/l	100
14) Allyl chloride	2.73	41	134519	44.735	ug/l	96
15) Acrylonitrile	3.14	53	271065	228.371	ug/l	100
16) Acetone	2.45	43	221563	192.961	ug/l	94
17) Carbon Disulfide	2.57	76	215280	37.886	ug/l	99
18) Methyl Acetate	2.78	43	104909	45.842	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	301552	45.257	ug/l	100
20) Methylene Chloride	2.85	84	104417	44.189	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	96034	42.158	ug/l	98
22) Diisopropyl ether	3.85	45	288079	45.822	ug/l	98
23) Vinyl Acetate	3.82	43	1278066	235.317	ug/l	99
24) 1,1-Dichloroethane	3.70	63	164460	45.255	ug/l	100
25) 2-Butanone	4.67	43	372683	221.269	ug/l	98
26) 2,2-Dichloropropane	4.58	77	123983	39.274	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	113350	43.060	ug/l	98
28) Bromochloromethane	5.01	49	72512	41.733	ug/l	94
29) Tetrahydrofuran	5.13	42	237775	227.914	ug/l	98
30) Chloroform	5.21	83	176458	45.129	ug/l	100
31) Cyclohexane	5.58	56	143916	43.488	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	152199	44.083	ug/l	98
36) 1,1-Dichloropropene	5.80	75	126159	43.158	ug/l	98
37) Ethyl Acetate	4.84	43	139484	46.382	ug/l	98
38) Carbon Tetrachloride	5.79	117	134072	42.355	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	158772	41.320	ug/l	98
40) Benzene	6.14	78	391509	42.989	ug/l	99
41) Methacrylonitrile	5.04	41	75199	45.574	ug/l	97
42) 1,2-Dichloroethane	6.20	62	133920	48.307	ug/l	98
43) Isopropyl Acetate	6.45	43	226109	45.444	ug/l	98
44) Trichloroethene	7.21	130	113364	41.600	ug/l	99
45) 1,2-Dichloropropane	7.51	63	100233	43.583	ug/l	99
46) Dibromomethane	7.66	93	72629	44.016	ug/l	95
47) Bromodichloromethane	7.90	83	131581	43.513	ug/l	100
48) Methyl methacrylate	7.77	41	109016	47.138	ug/l	97
49) 1,4-Dioxane	7.74	88	60170	903.148	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	752930	236.611	ug/l	98
52) Toluene	8.78	92	256622	42.789	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	142467	42.022	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	157741	42.815	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	108908	44.030	ug/l	99
56) Ethyl methacrylate	9.18	69	166848	44.529	ug/l	95
57) 1,3-Dichloropropane	9.37	76	172269	44.867	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	347311	195.169	ug/l	99
59) 2-Hexanone	9.49	43	586848	234.321	ug/l	96
60) Dibromochloromethane	9.58	129	116470	42.055	ug/l	98
61) 1,2-Dibromoethane	9.67	107	117609	44.051	ug/l	100
64) Tetrachloroethene	9.34	164	107674	39.049	ug/l	98
65) Chlorobenzene	10.13	112	289540	41.834	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	108747	43.135	ug/l	99
67) Ethyl Benzene	10.25	91	505738	43.283	ug/l	99
68) m/p-Xylenes	10.36	106	389006	85.922	ug/l	97
69) o-Xylene	10.69	106	190979	42.894	ug/l	98
70) Styrene	10.71	104	329724	44.159	ug/l	98
71) Bromoform	10.85	173	89198	40.686	ug/l #	100
73) Isopropylbenzene	11.02	105	513923	42.630	ug/l	98
74) N-amyl acetate	10.90	43	213451	46.851	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	174905	43.809	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	188157	58.060	ug/l	80
77) Bromobenzene	11.26	156	138446	41.128	ug/l	97
78) n-propylbenzene	11.36	91	575815	43.460	ug/l	99
79) 2-Chlorotoluene	11.42	91	341135	43.238	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	435581	43.829	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	48890	35.195	ug/l	90
82) 4-Chlorotoluene	11.51	91	399508	44.500	ug/l	98
83) tert-Butylbenzene	11.77	119	429278	43.036	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	440046	44.072	ug/l	98
85) sec-Butylbenzene	11.94	105	508251	43.397	ug/l	99
86) p-Isopropyltoluene	12.06	119	470599	43.441	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	246400	41.934	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	250071	41.804	ug/l	99
89) n-Butylbenzene	12.38	91	400066	43.460	ug/l	99
90) Hexachloroethane	12.60	117	73076	39.012	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	243812	41.749	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36490	42.392	ug/l	90

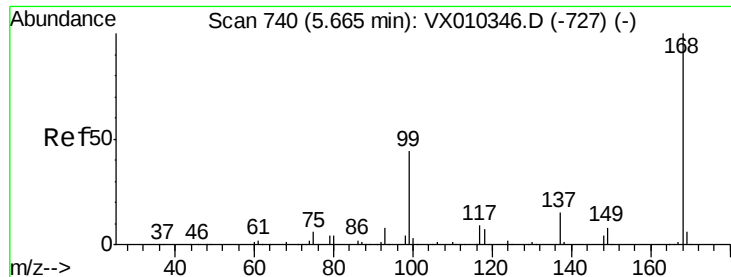
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
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QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	169465	41.844	ug/l	100
94) Hexachlorobutadiene	13.78	225	81886	41.371	ug/l	99
95) Naphthalene	13.83	128	528685	42.480	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	169802	42.170	ug/l	100

(#) = 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. -0.01 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

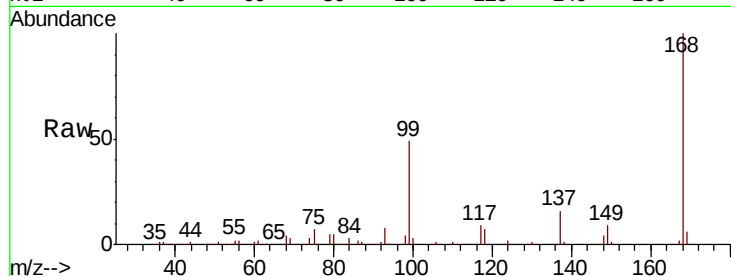
VSTDCCC050EC

Tot Ion:168 Resp: 244357

Ion Ratio Lower Upper

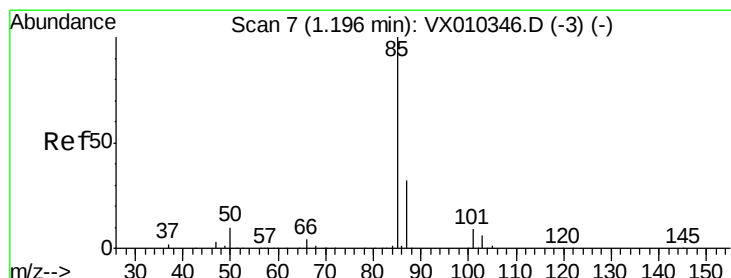
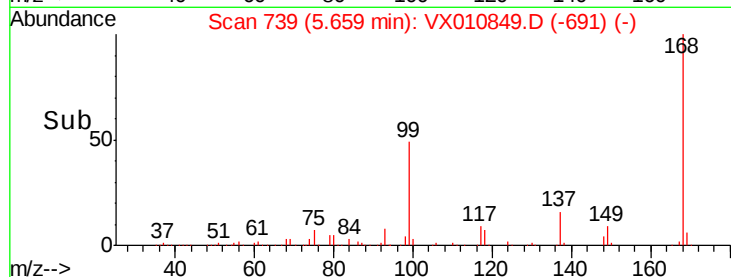
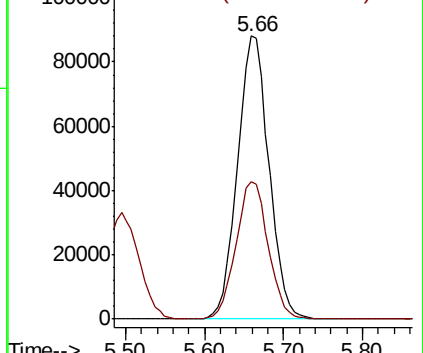
168 100

99 48.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 47.295 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010849.D

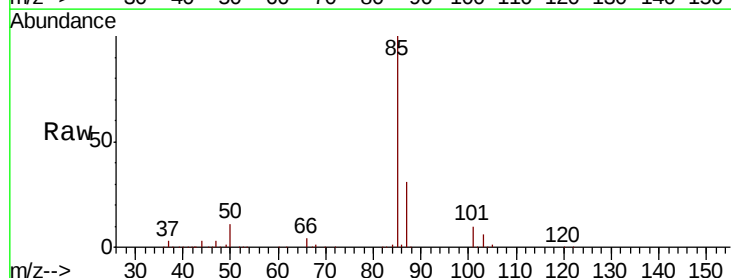
Acq: 12 Jul 2019 20:19

Tgt Ion: 85 Resp: 80346

Ion Ratio Lower Upper

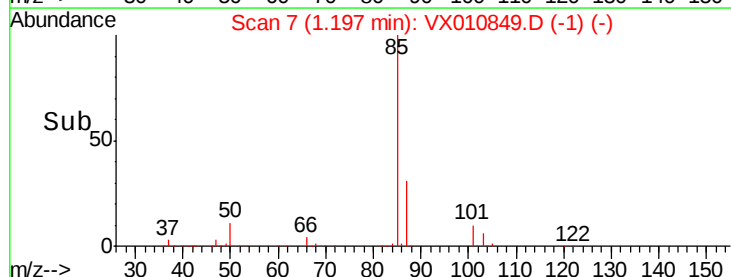
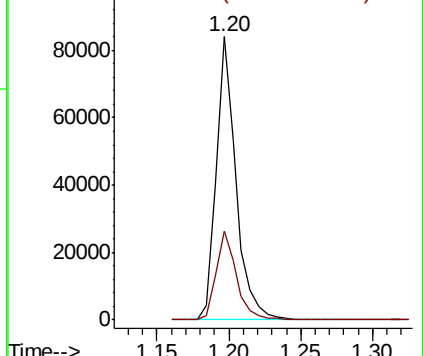
85 100

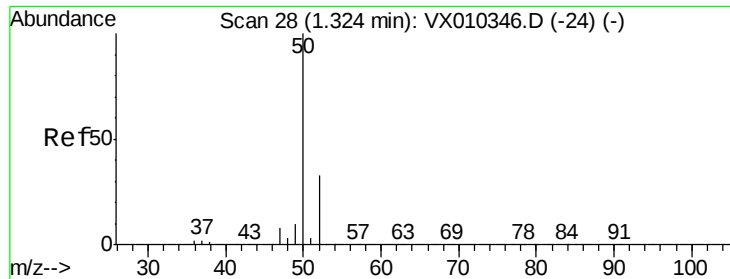
87 31.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 41.433 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

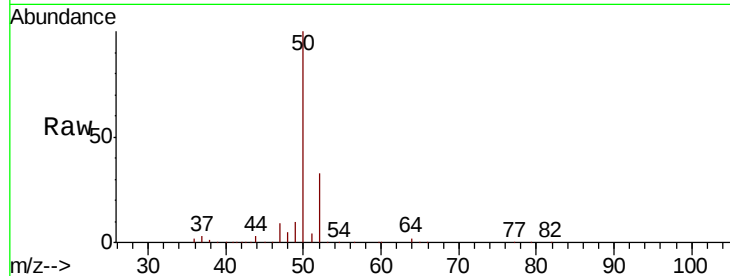
VSTDCCC050EC

Tot Ion: 50 Resp: 81963

Ion Ratio Lower Upper

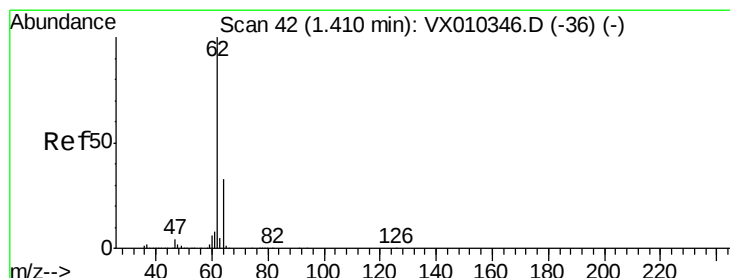
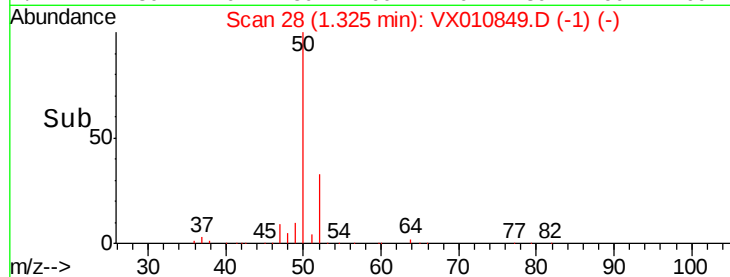
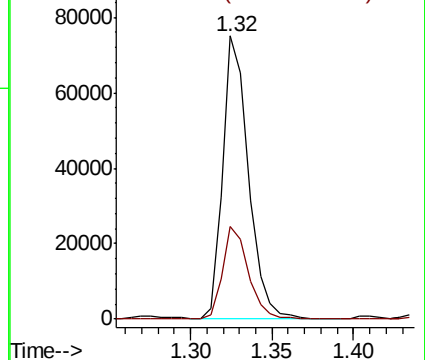
50 100

52 32.6 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 42.162 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010849.D

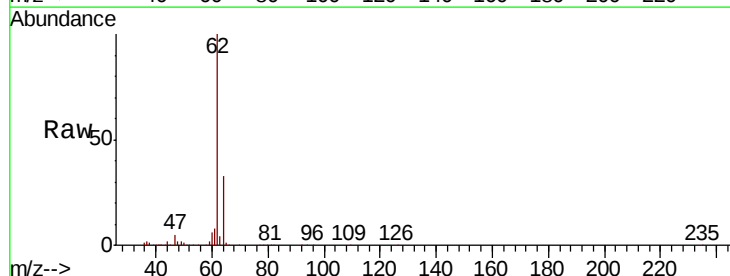
Acq: 12 Jul 2019 20:19

Tgt Ion: 62 Resp: 91354

Ion Ratio Lower Upper

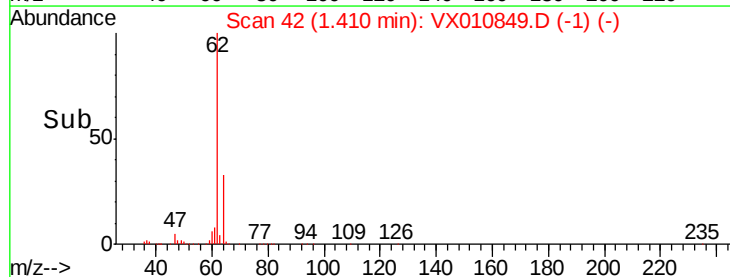
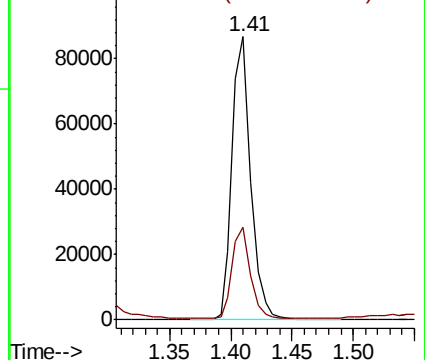
62 100

64 32.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 46.112 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

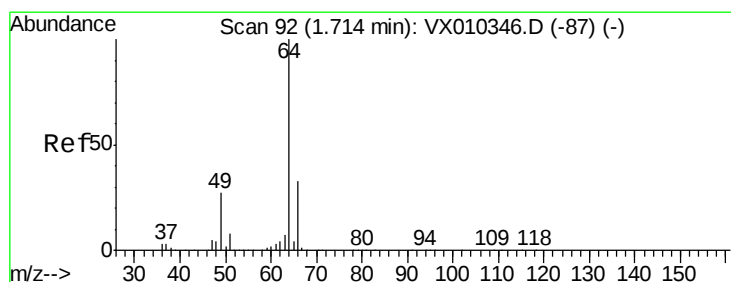
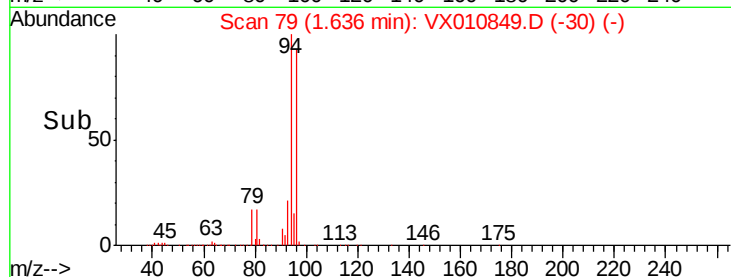
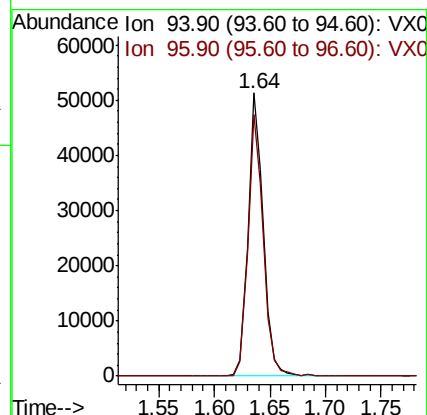
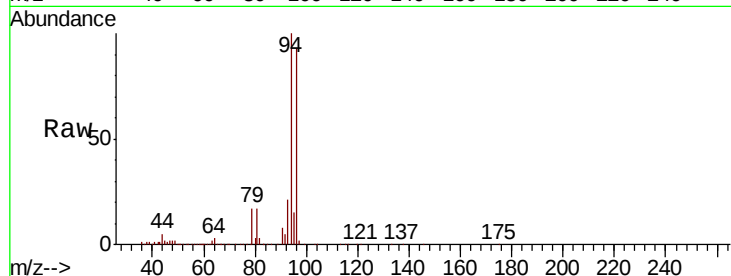
VSTDCCC050EC

Tot Ion: 94 Resp: 48675

Ion Ratio Lower Upper

94 100

96 92.5 75.5 113.3



#6

Chloroethane

Concen: 47.033 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010849.D

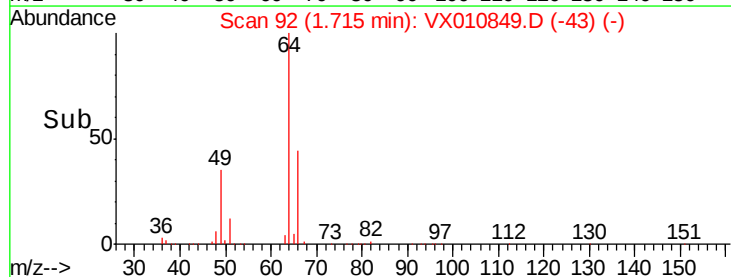
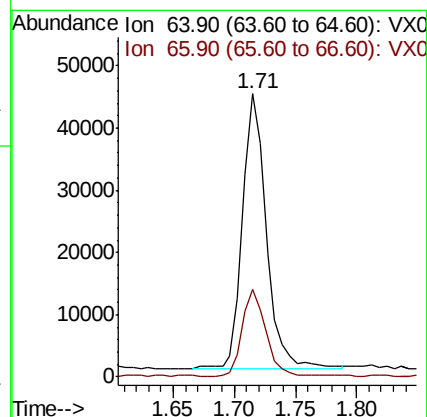
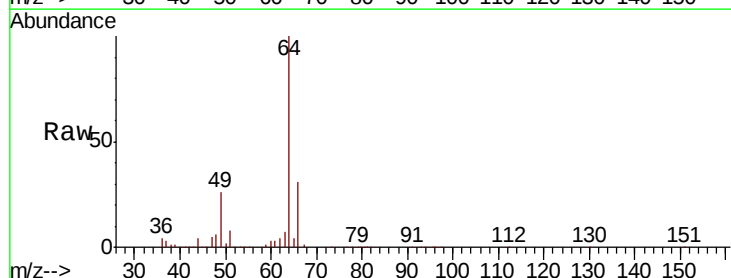
Acq: 12 Jul 2019 20:19

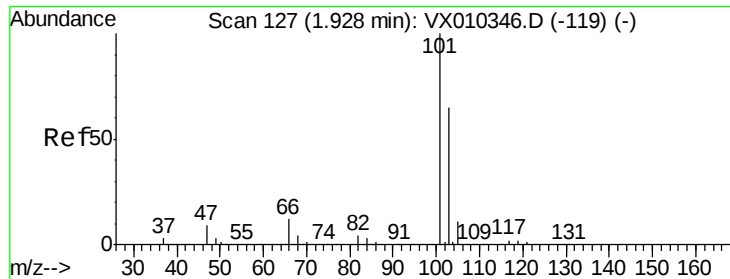
Tgt Ion: 64 Resp: 60124

Ion Ratio Lower Upper

64 100

66 31.4 26.6 40.0



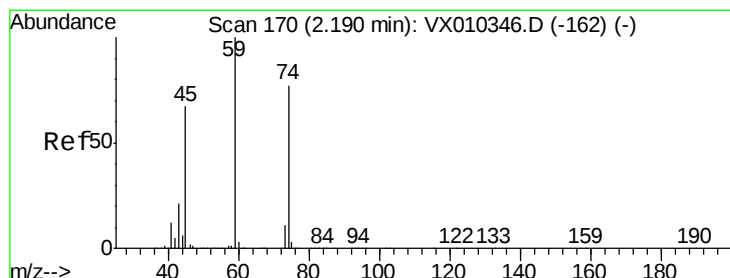
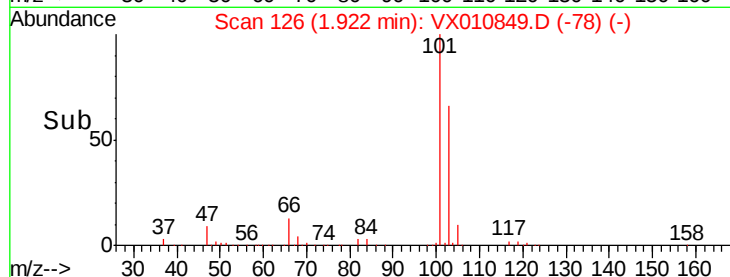
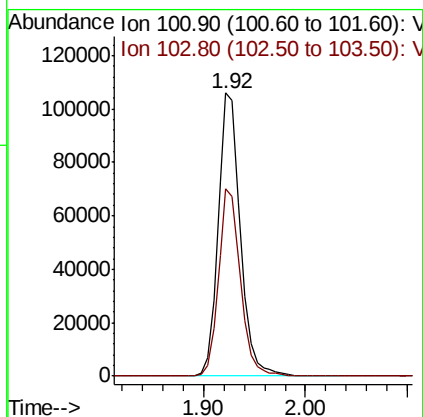
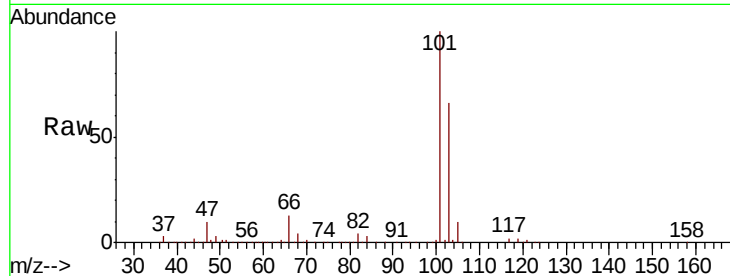


#7

Trichlorofluoromethane
Concen: 46.938 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

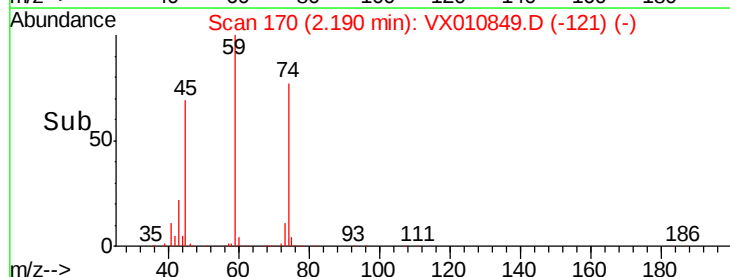
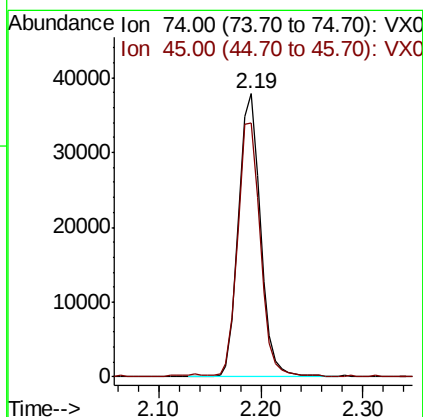
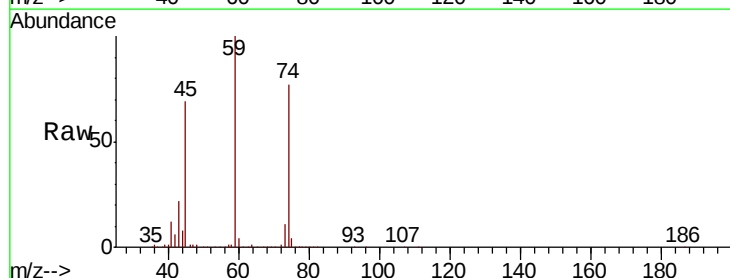
Tot Ion:101 Resp: 161222
Ion Ratio Lower Upper
101 100
103 66.2 52.3 78.5



#8

Diethyl Ether
Concen: 45.634 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion: 74 Resp: 56210
Ion Ratio Lower Upper
74 100
45 92.1 44.8 134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.420 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

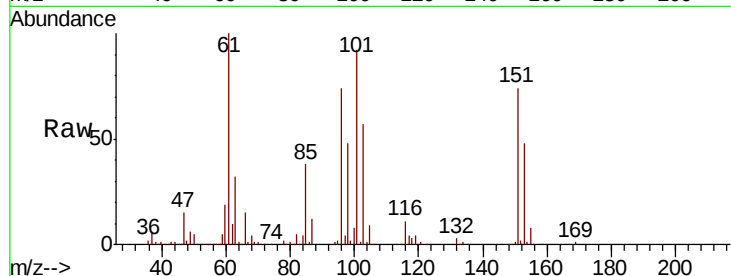
Tot Ion:101 Resp: 90377

Ion Ratio Lower Upper

101 100

85 42.8 33.7 50.5

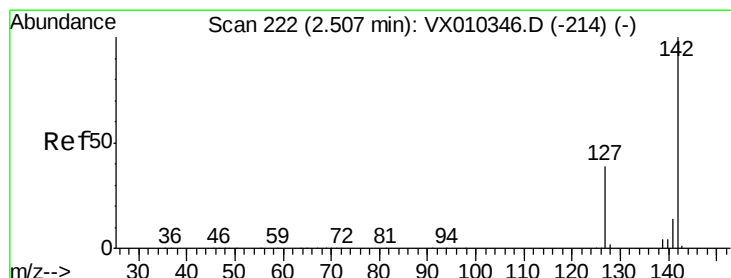
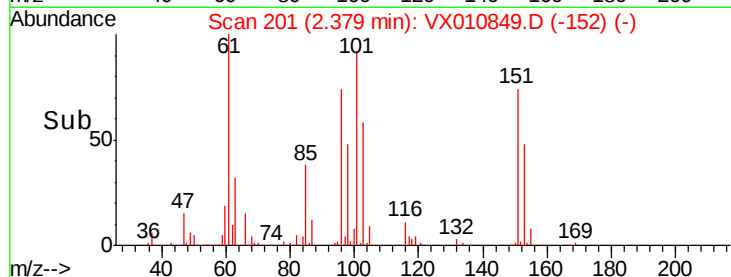
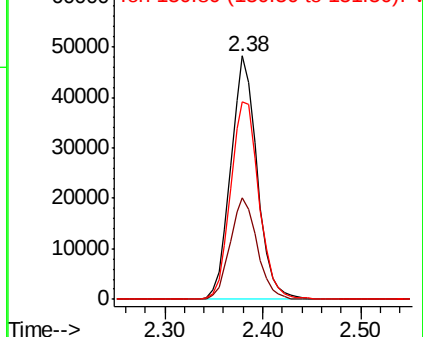
151 86.7 70.1 105.1



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: 34.051 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

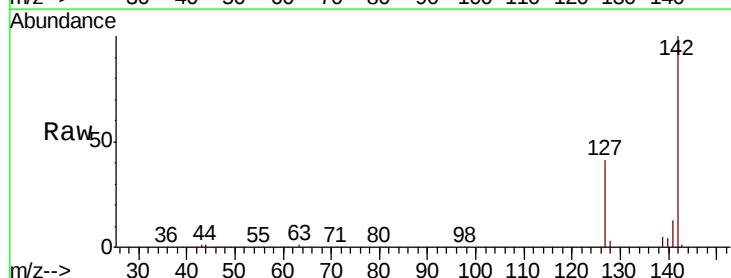
Tgt Ion:142 Resp: 101152

Ion Ratio Lower Upper

142 100

127 42.2 31.1 46.7

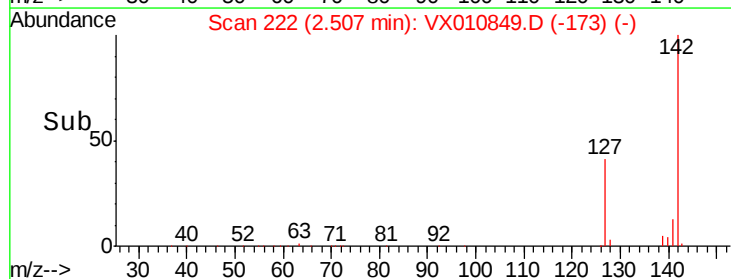
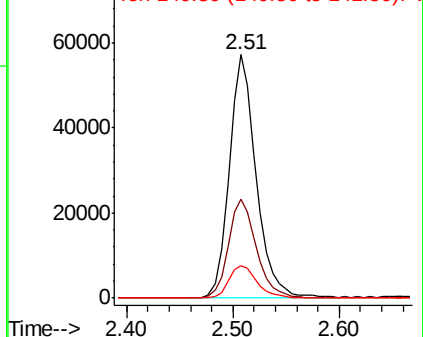
141 14.1 11.2 16.8



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



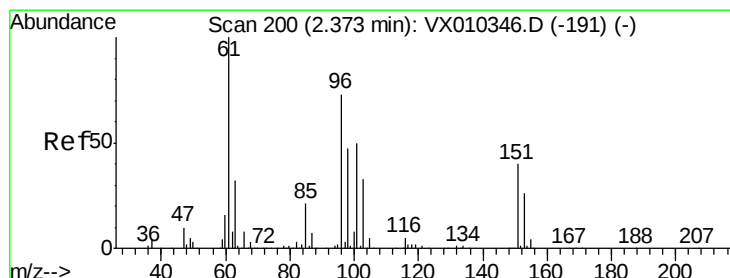
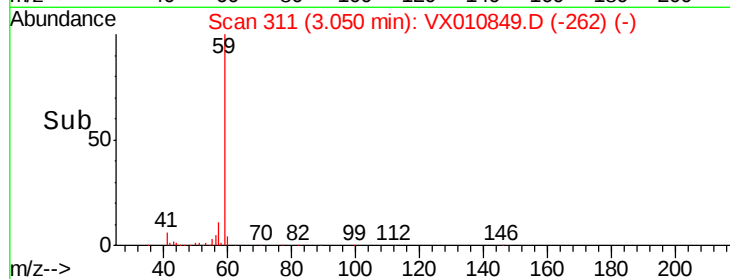
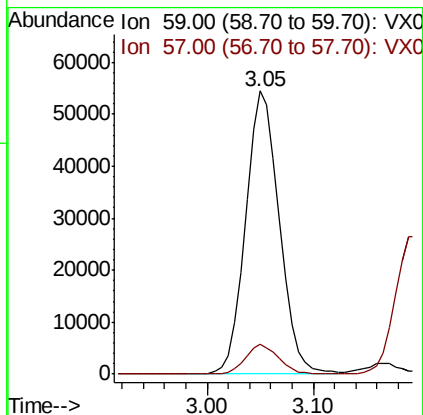
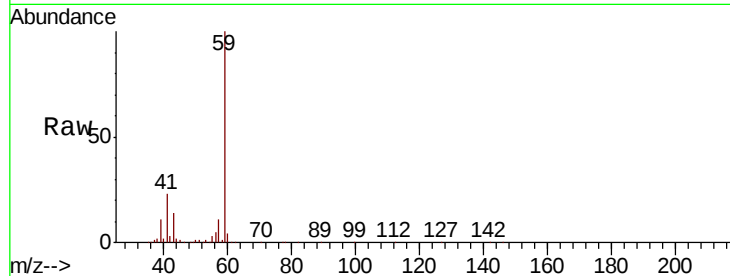


#11

Tert butyl alcohol
Concen: 202.104 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

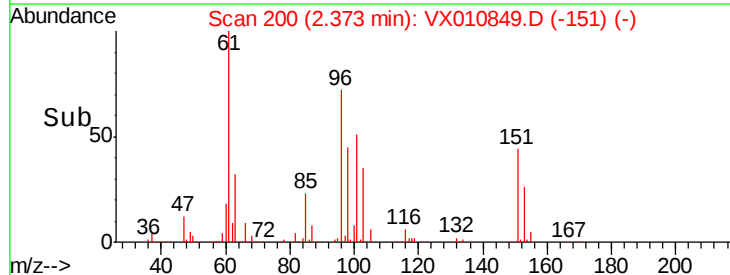
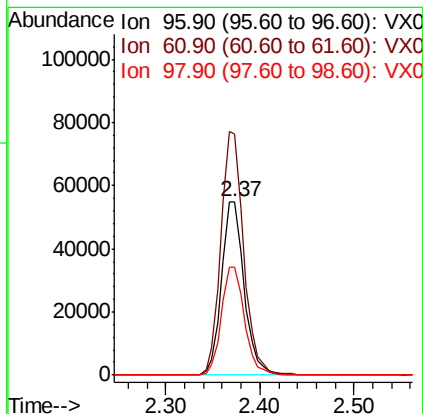
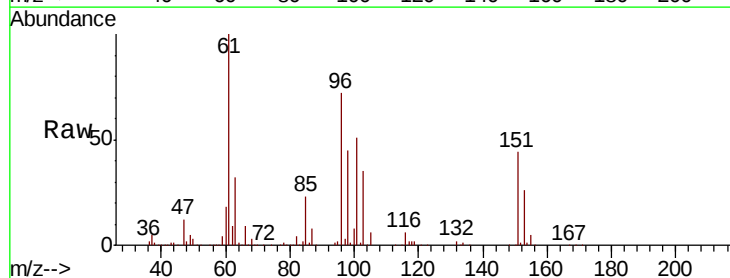
Tot Ion: 59 Resp: 121162
Ion Ratio Lower Upper
59 100
57 10.6 7.7 11.5

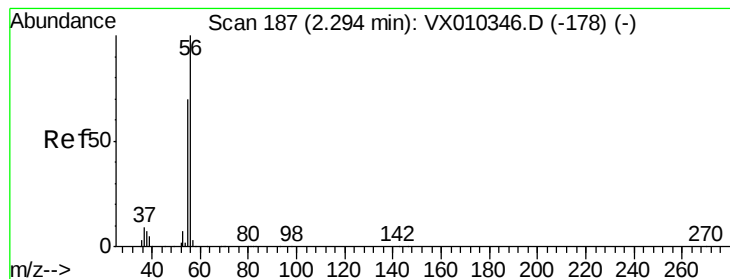


#12

1,1-Dichloroethene
Concen: 43.135 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion: 96 Resp: 91361
Ion Ratio Lower Upper
96 100
61 139.1 109.2 163.8
98 62.2 51.1 76.7





#13

Acrolein

Concen: 229.736 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

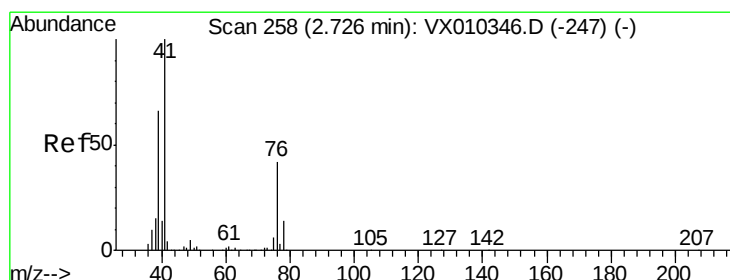
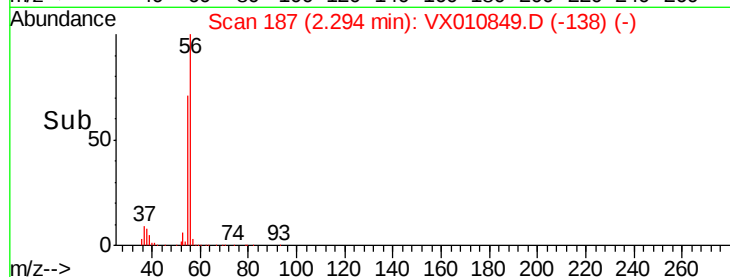
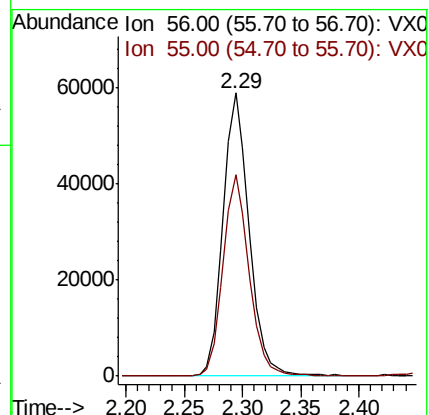
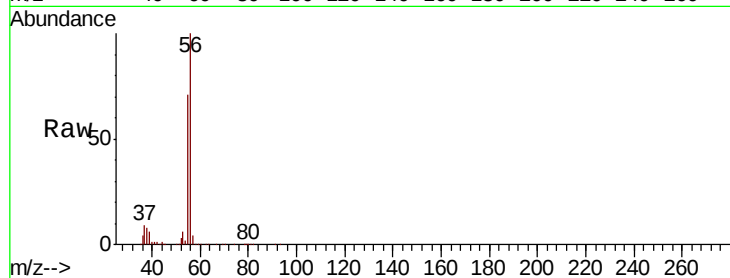
VSTDCCC050EC

Tot Ion: 56 Resp: 91365

Ion Ratio Lower Upper

56 100

55 71.5 56.9 85.3



#14

Allyl chloride

Concen: 44.735 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

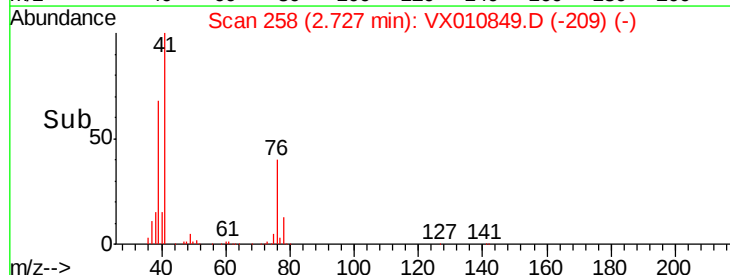
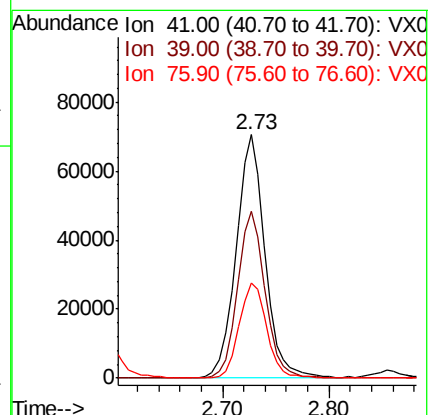
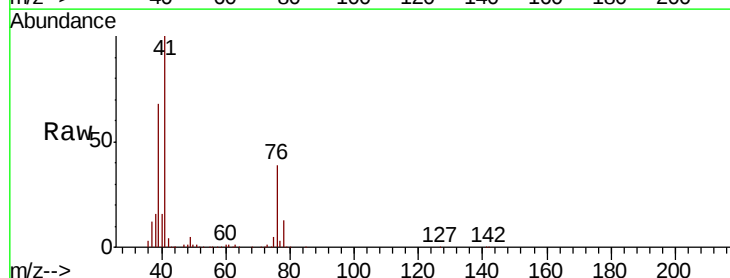
Tgt Ion: 41 Resp: 134519

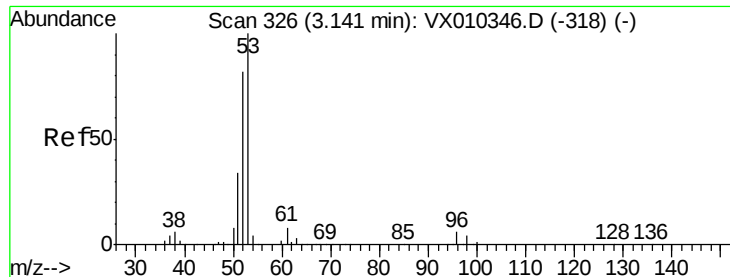
Ion Ratio Lower Upper

41 100

39 65.8 50.3 75.5

76 37.2 31.3 46.9





#15

Acrylonitrile

Concen: 228.371 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

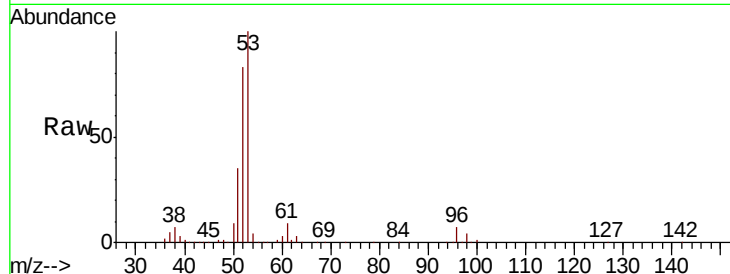
Tot Ion: 53 Resp: 271065

Ion Ratio Lower Upper

53 100

52 82.1 65.5 98.3

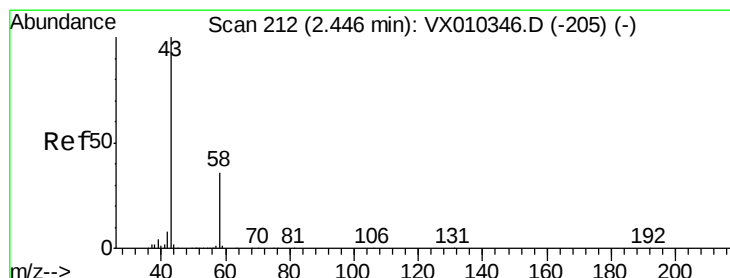
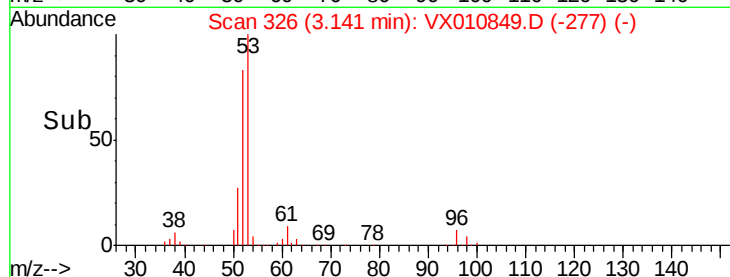
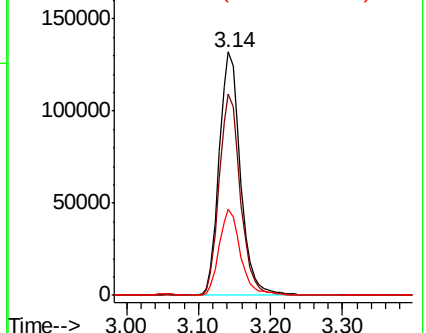
51 35.7 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 192.961 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010849.D

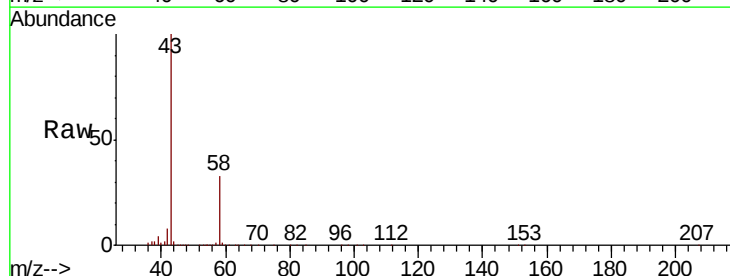
Acq: 12 Jul 2019 20:19

Tgt Ion: 43 Resp: 221563

Ion Ratio Lower Upper

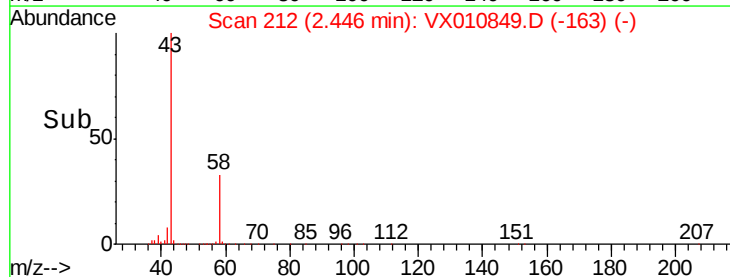
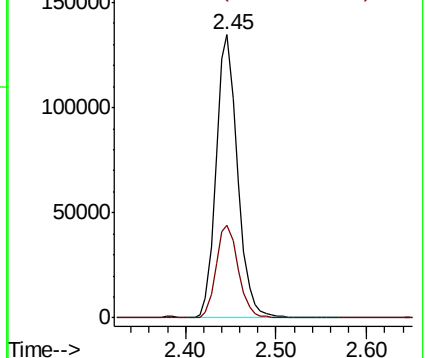
43 100

58 32.7 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

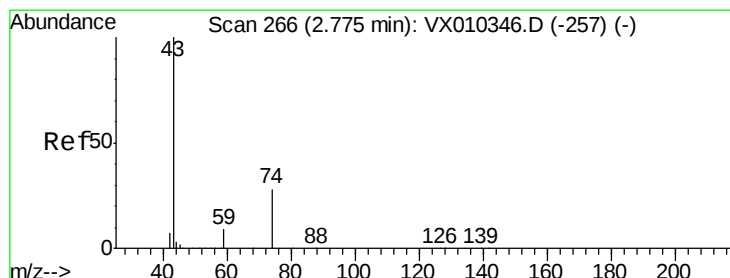
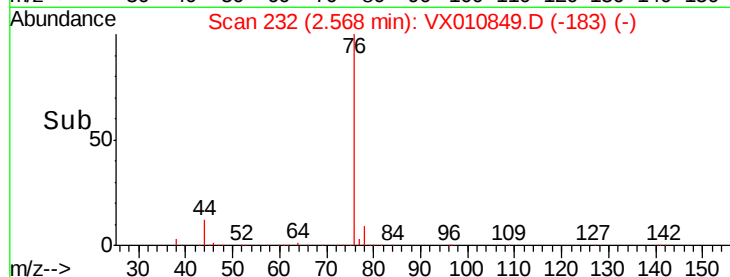
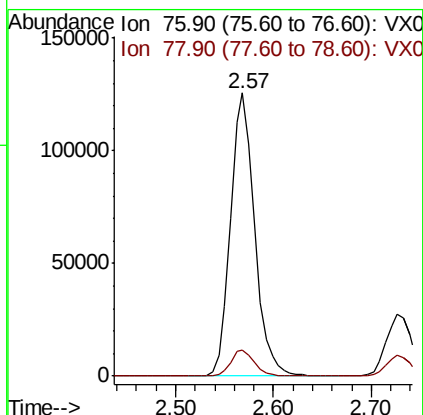
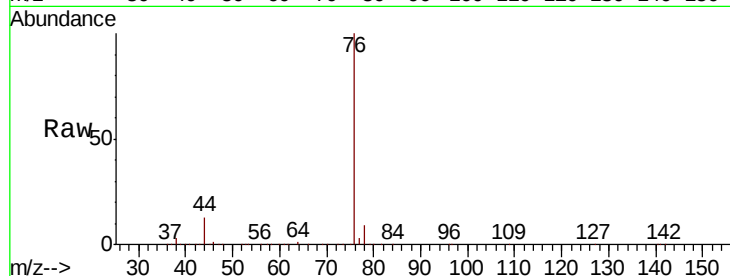




#17
Carbon Disulfide
Concen: 37.886 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

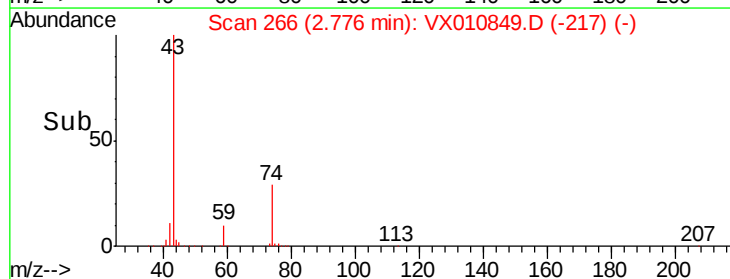
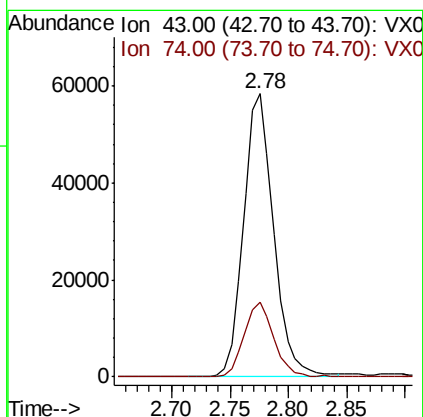
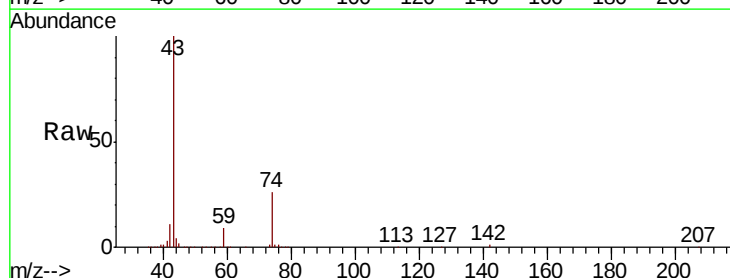
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

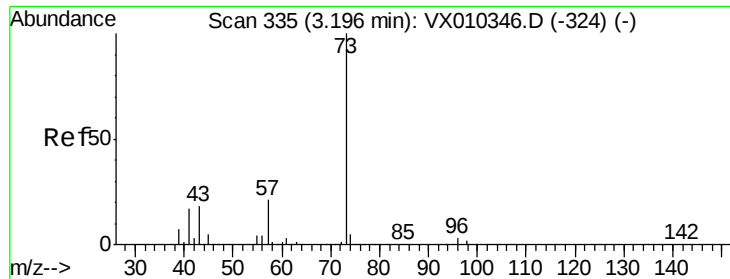
Tot Ion: 76 Resp: 215280
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 45.842 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion: 43 Resp: 104909
Ion Ratio Lower Upper
43 100
74 27.0 21.3 31.9

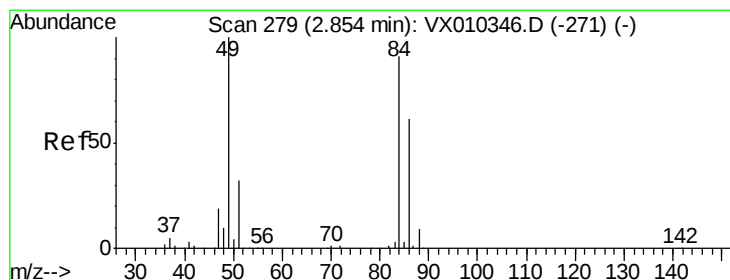
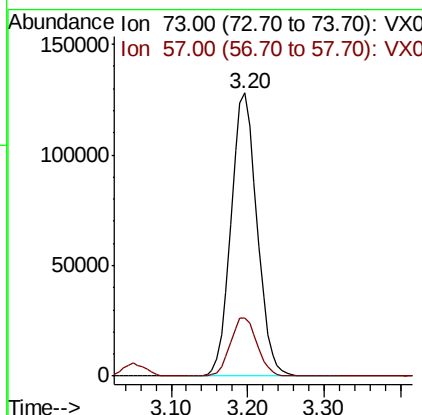
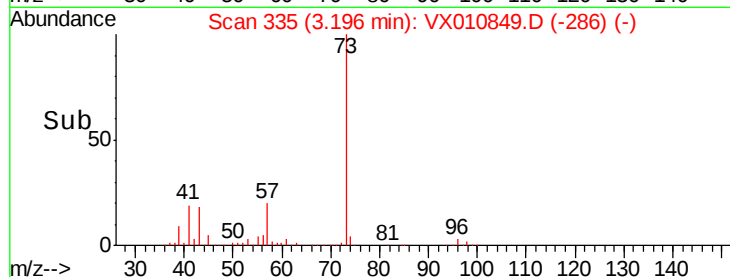
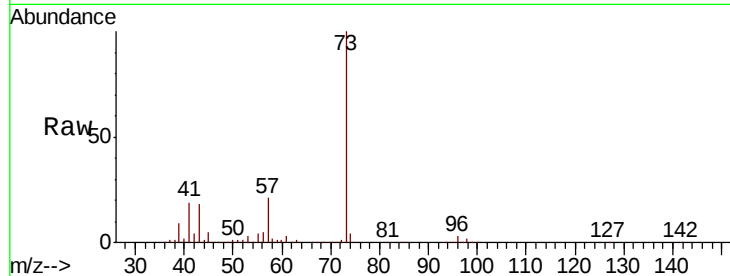




#19
Methyl tert-butyl Ether
Concen: 45.257 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

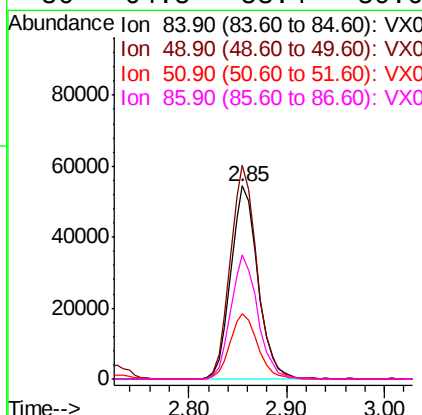
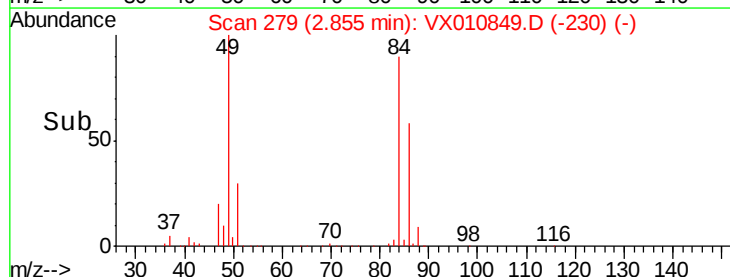
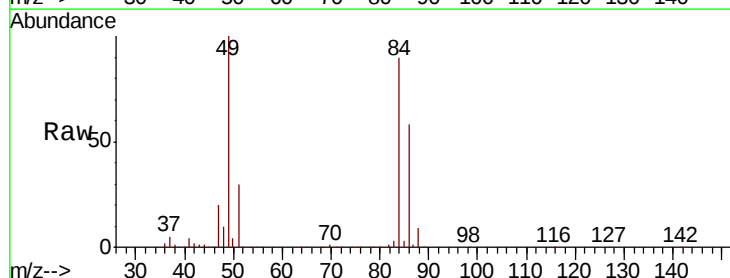
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 301552
Ion Ratio Lower Upper
73 100
57 20.5 16.4 24.6



#20
Methylene Chloride
Concen: 44.189 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion: 84 Resp: 104417
Ion Ratio Lower Upper
84 100
49 110.6 87.5 131.3
51 33.7 27.7 41.5
86 64.5 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 42.158 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

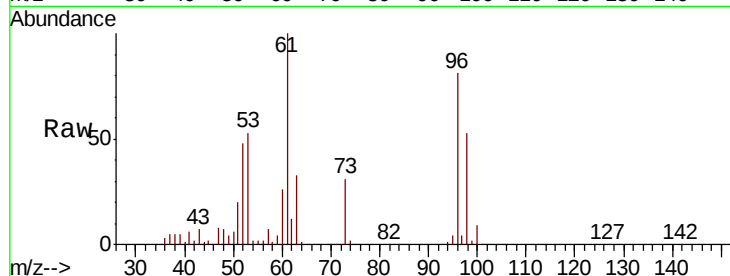
Tot Ion: 96 Resp: 96034

Ion Ratio Lower Upper

96 100

61 123.5 95.6 143.4

98 65.6 52.5 78.7

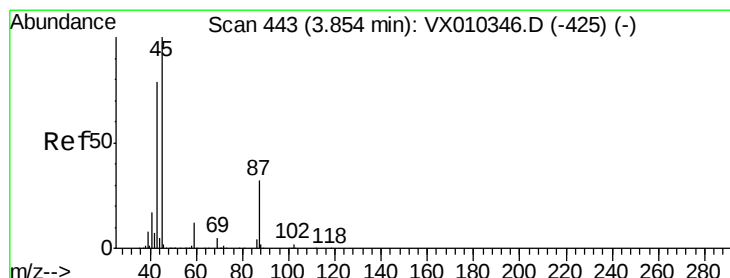
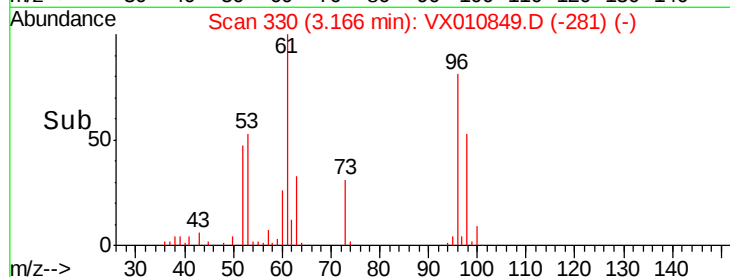
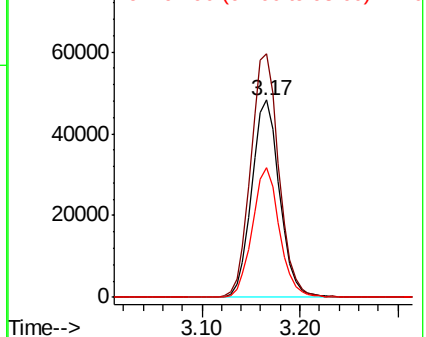


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 45.822 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Tgt Ion: 45 Resp: 288079

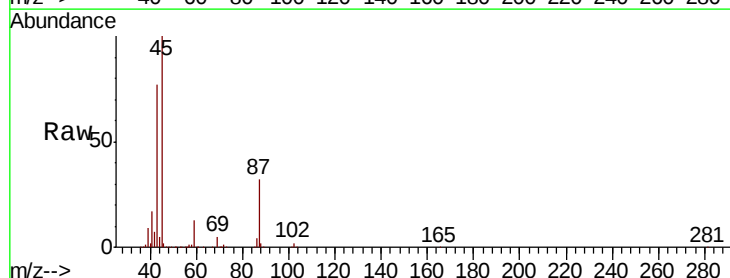
Ion Ratio Lower Upper

45 100

43 76.8 63.3 94.9

87 31.5 25.8 38.8

59 12.9 9.6 14.4



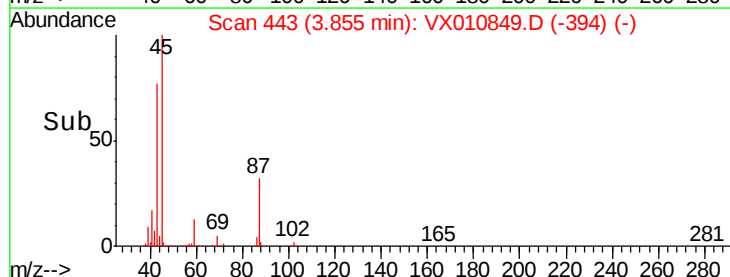
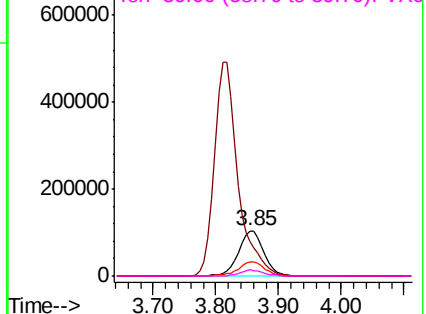
Abundance

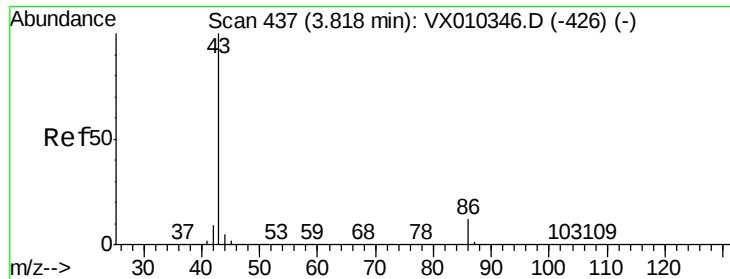
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 235.317 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

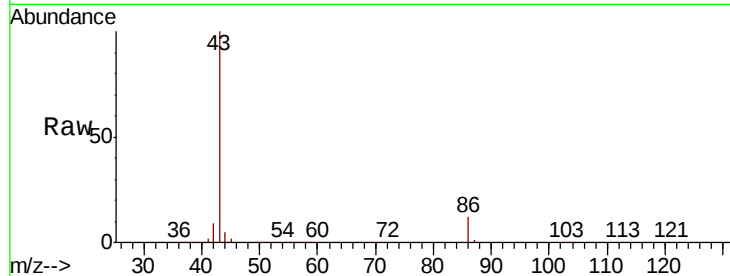
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1278066

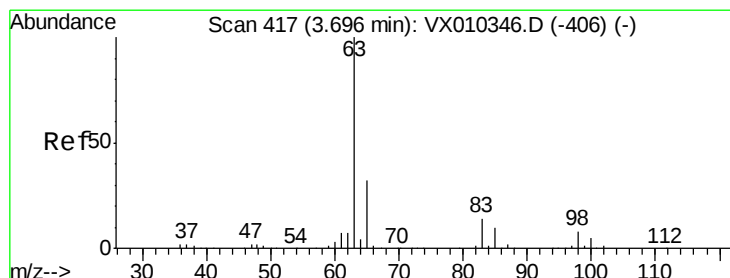
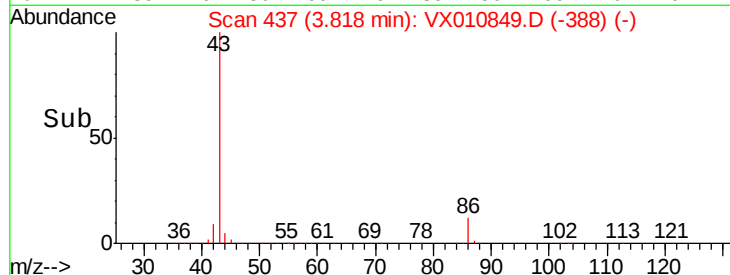
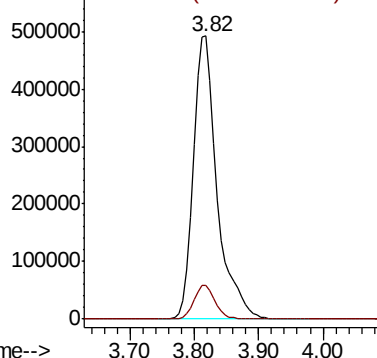
Ion Ratio Lower Upper

43 100

86 11.9 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 45.255 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

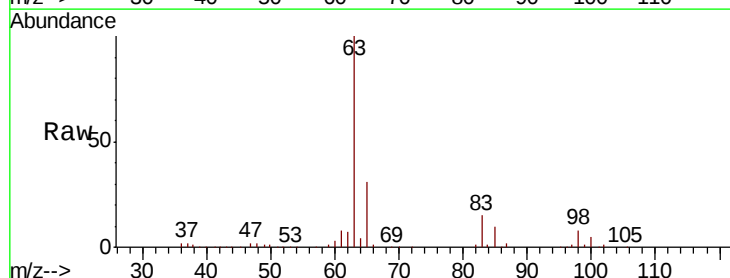
Tgt Ion: 63 Resp: 164460

Ion Ratio Lower Upper

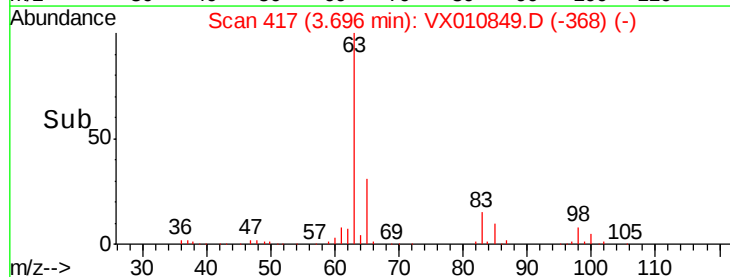
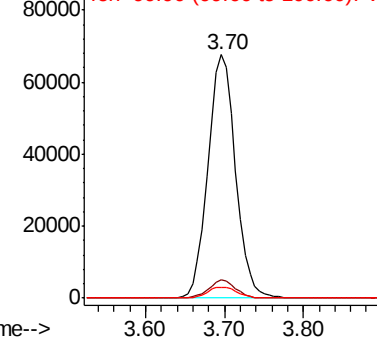
63 100

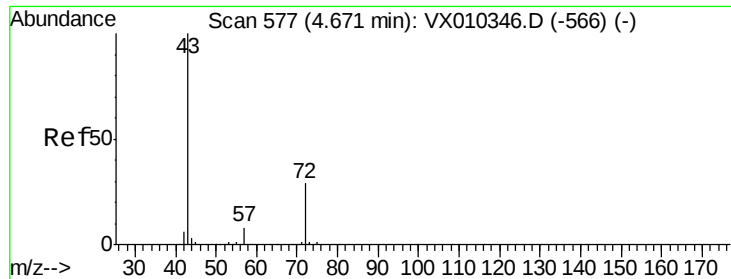
98 7.7 3.9 11.7

100 4.5 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 221.269 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

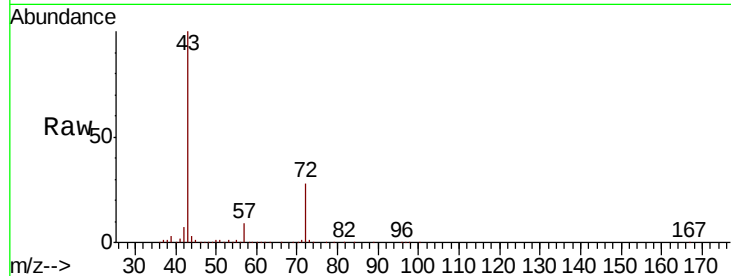
VSTDCCC050EC

Tot Ion: 43 Resp: 372683

Ion Ratio Lower Upper

43 100

72 28.0 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

150000

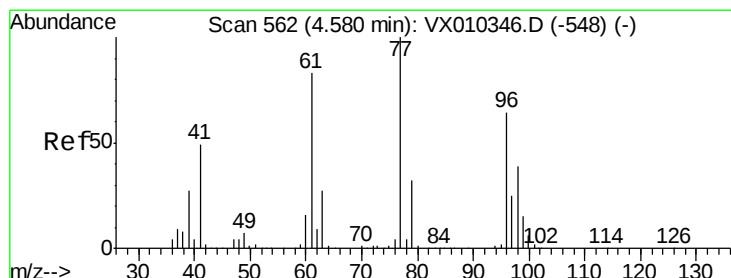
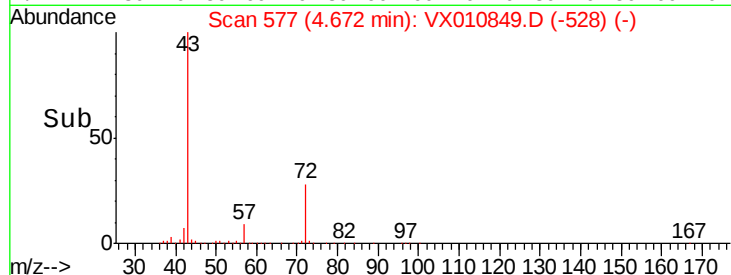
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 39.274 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010849.D

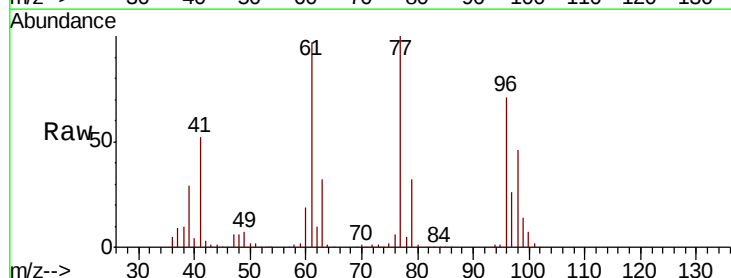
Acq: 12 Jul 2019 20:19

Tgt Ion: 77 Resp: 123983

Ion Ratio Lower Upper

77 100

97 25.7 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

40000

30000

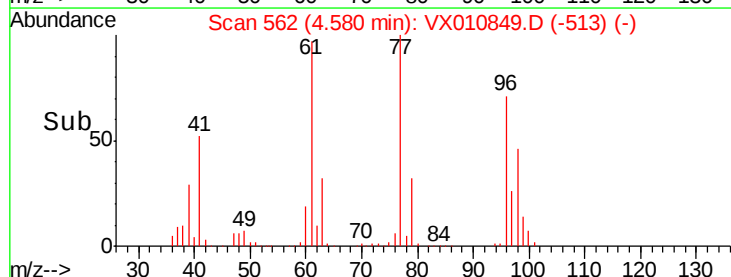
20000

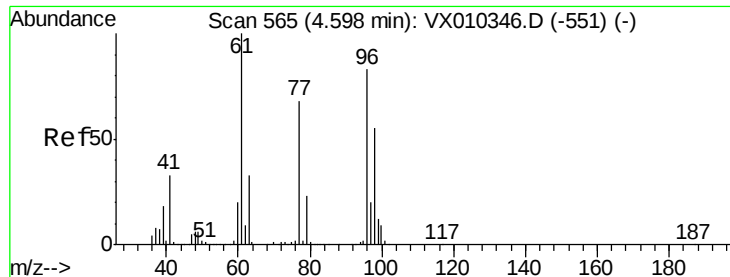
10000

0

4.40 4.50 4.60 4.70

Time-->



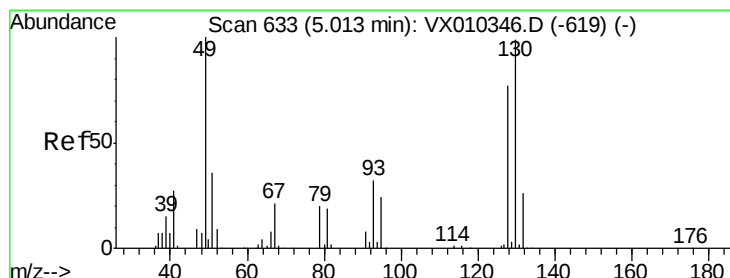
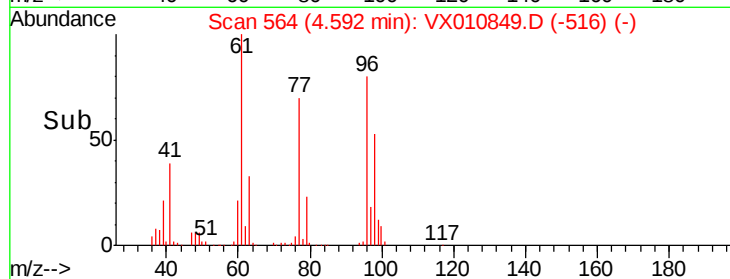
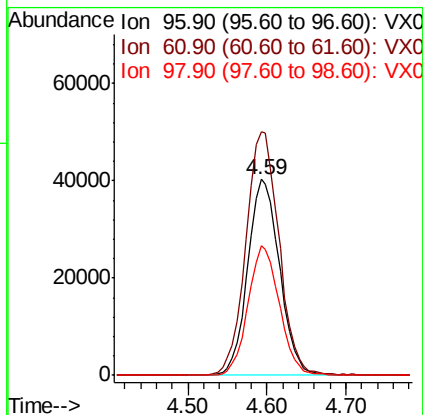
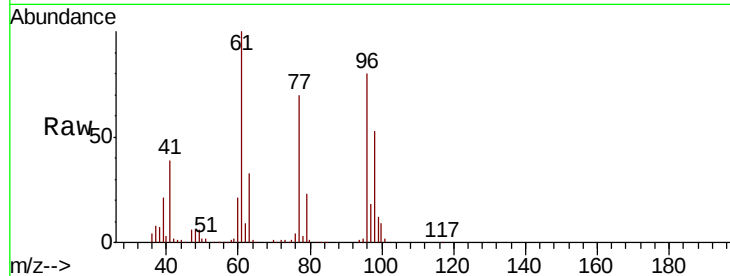


#27

cis-1,2-Dichloroethene
Concen: 43.060 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

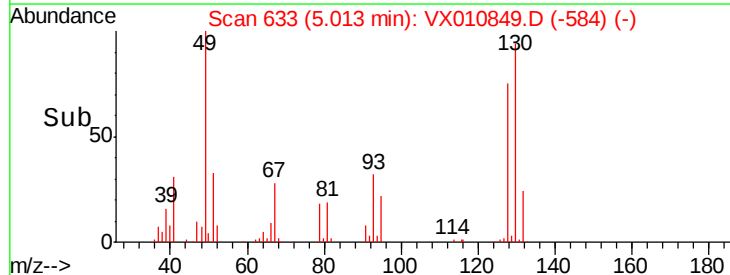
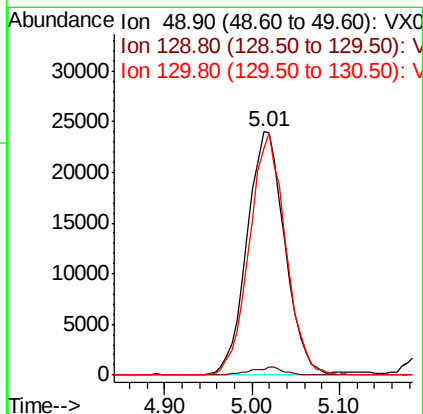
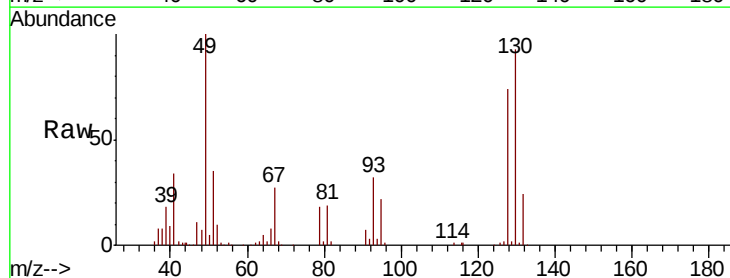
Tot Ion: 96 Resp: 113350
Ion Ratio Lower Upper
96 100
61 129.3 0.0 251.8
98 65.0 0.0 129.4

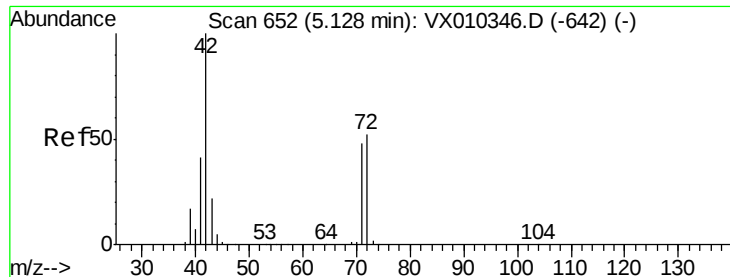


#28

Bromochloromethane
Concen: 41.733 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion: 49 Resp: 72512
Ion Ratio Lower Upper
49 100
129 2.9 0.0 5.6
130 95.0 81.4 122.0





#29

Tetrahydrofuran

Concen: 227.914 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

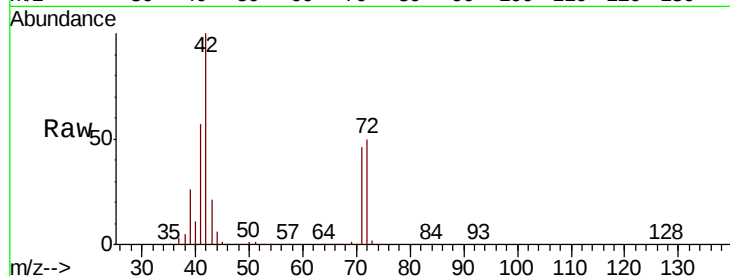
Tot Ion: 42 Resp: 237775

Ion Ratio Lower Upper

42 100

72 49.7 40.6 60.8

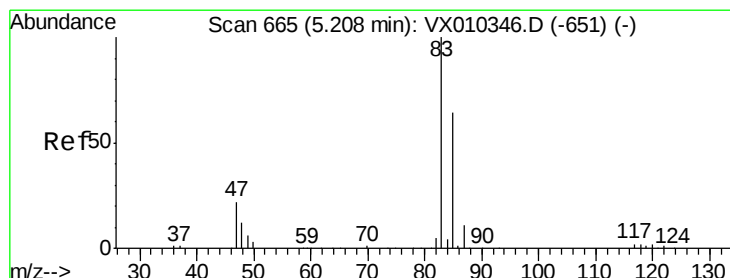
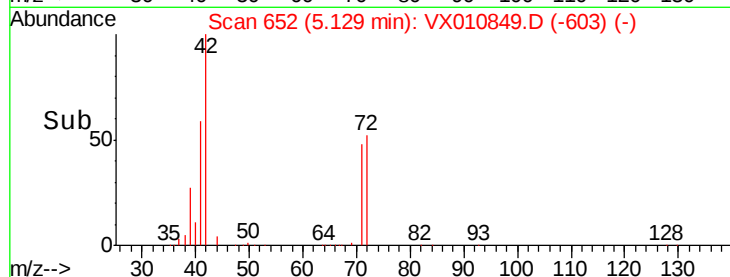
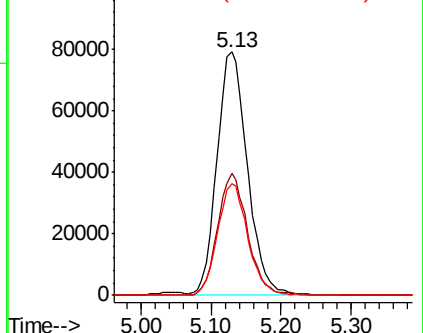
71 46.0 37.8 56.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 45.129 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX010849.D

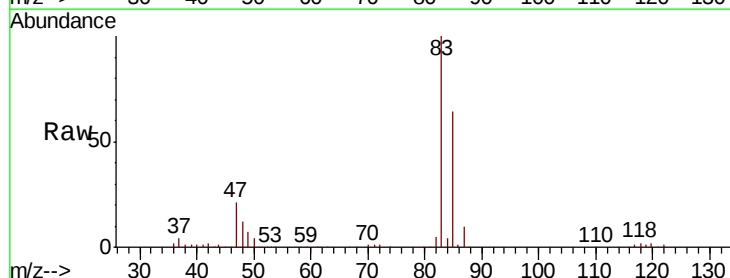
Acq: 12 Jul 2019 20:19

Tgt Ion: 83 Resp: 176458

Ion Ratio Lower Upper

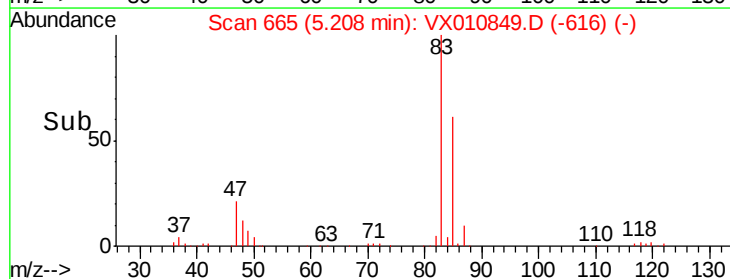
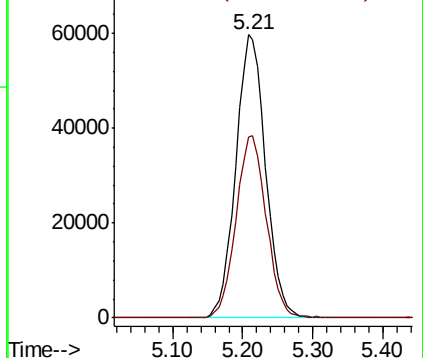
83 100

85 63.8 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 43.488 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

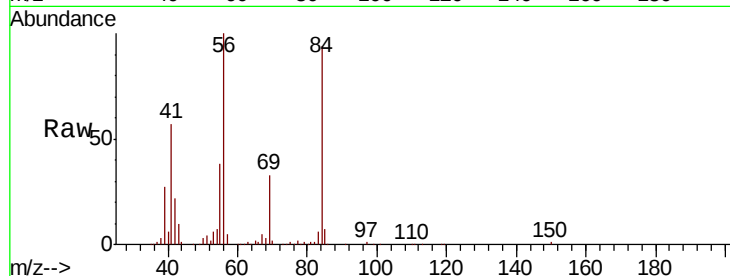
Tot Ion: 56 Resp: 143916

Ion Ratio Lower Upper

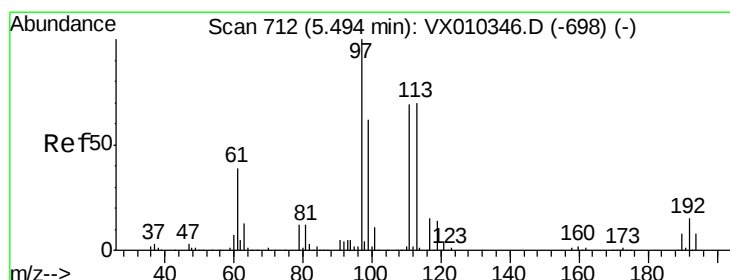
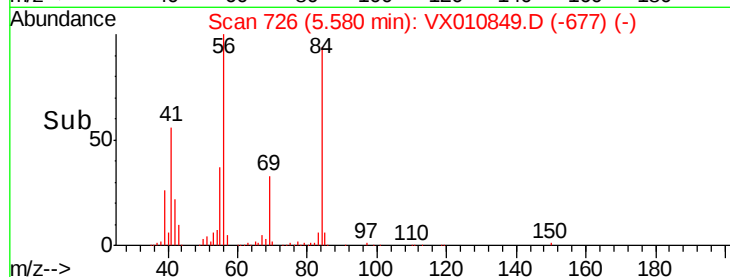
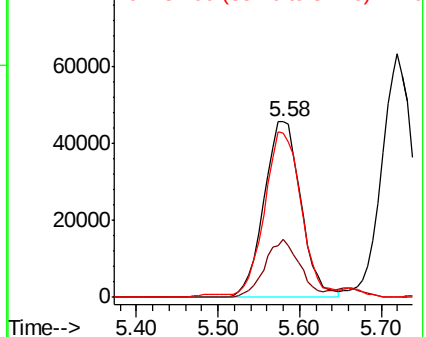
56 100

69 32.7 25.9 38.9

84 93.1 78.0 117.0



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



#32

1,1,1-Trichloroethane

Concen: 44.083 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

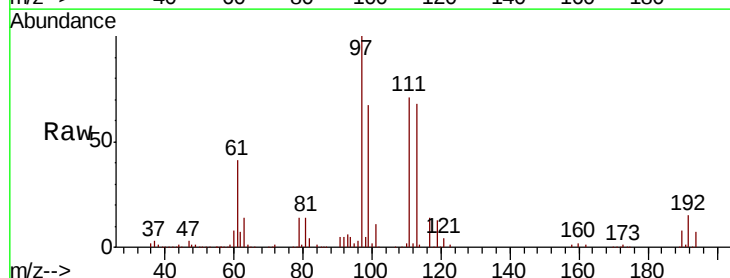
Tgt Ion: 97 Resp: 152199

Ion Ratio Lower Upper

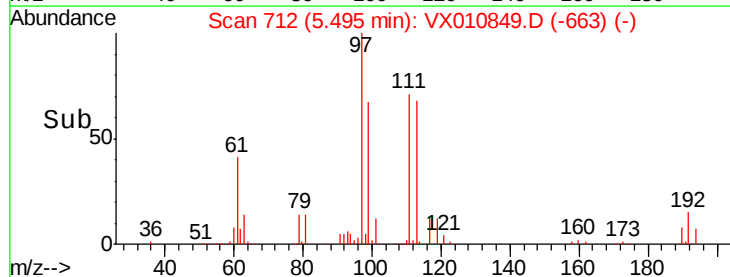
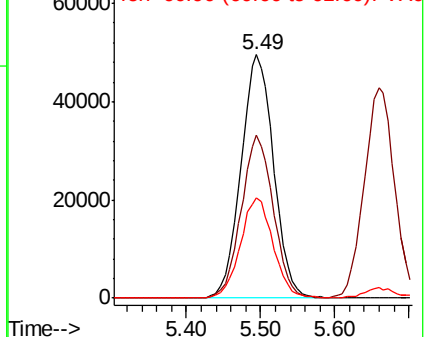
97 100

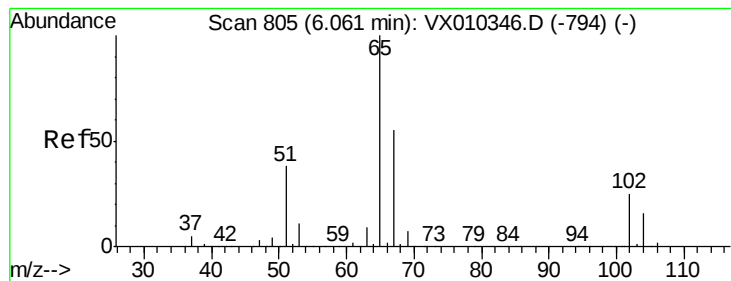
99 65.7 51.8 77.8

61 41.5 32.1 48.1



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





#33

1,2-Dichloroethane-d4

Concen: 45.120 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

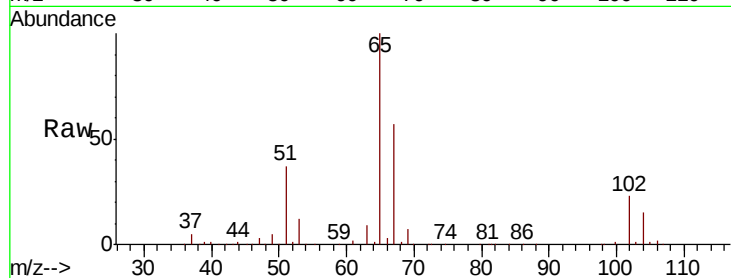
VSTDCCC050EC

Tot Ion: 65 Resp: 103375

Ion Ratio Lower Upper

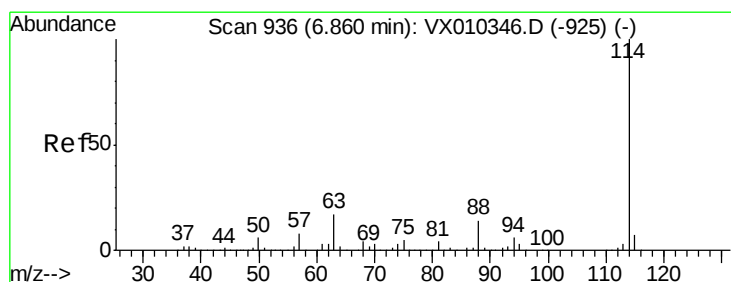
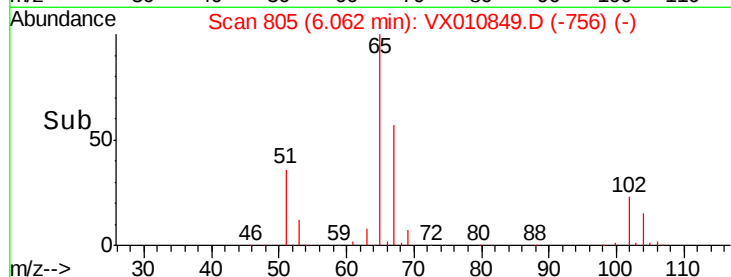
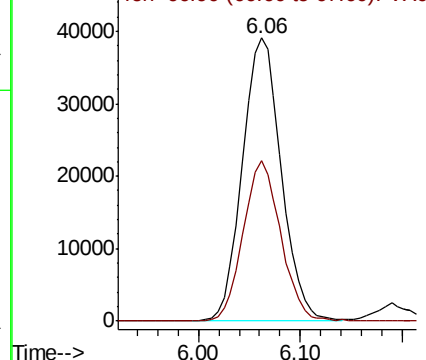
65 100

67 54.9 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

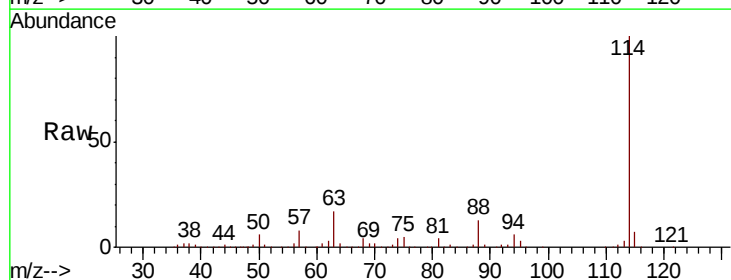
Tgt Ion: 114 Resp: 367860

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.8

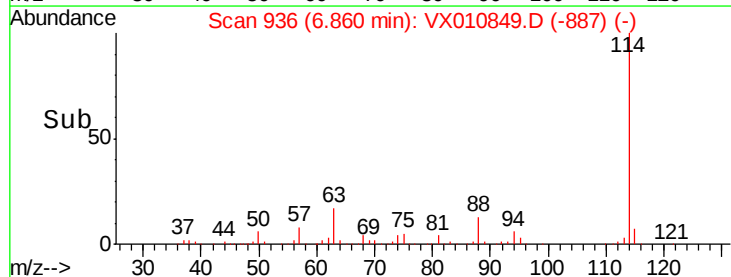
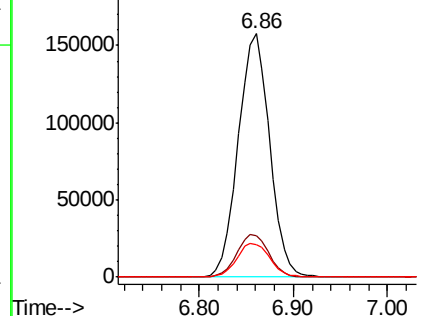
88 13.4 0.0 27.6

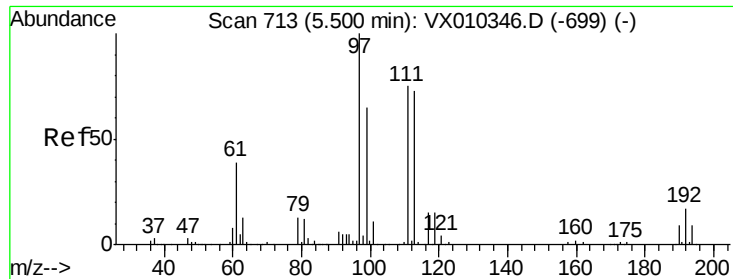


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

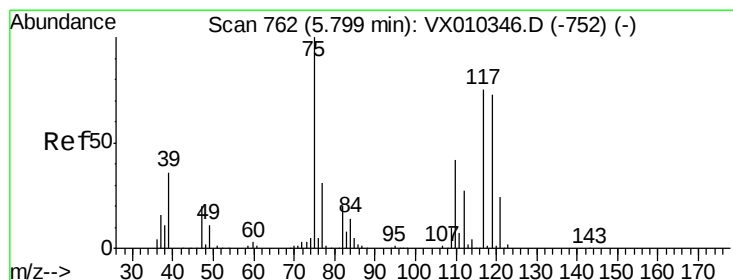
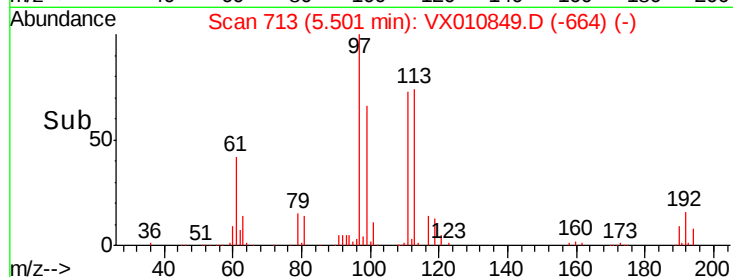
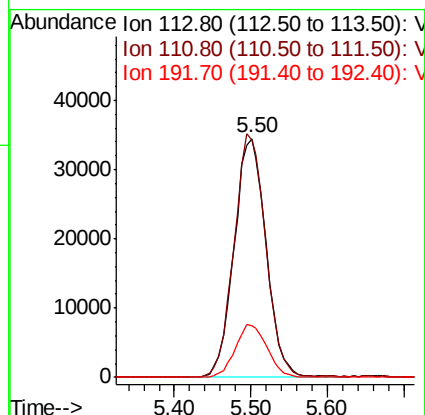
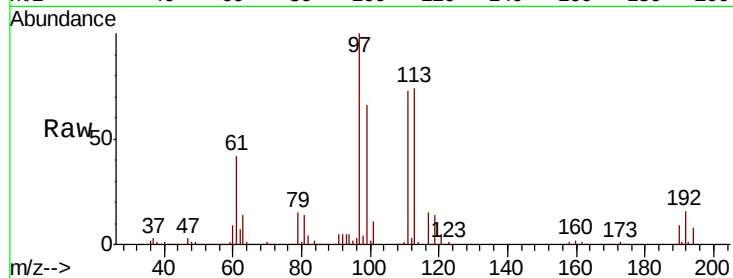




#35
 Dibromofluoromethane
 Concen: 44.339 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

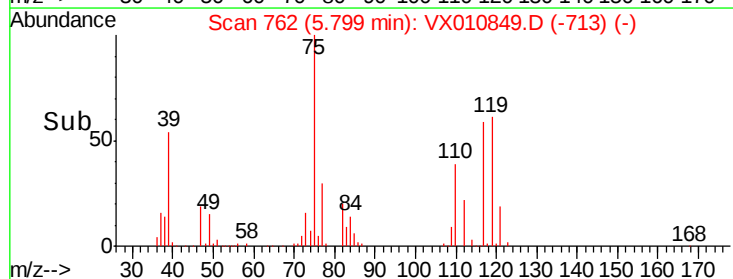
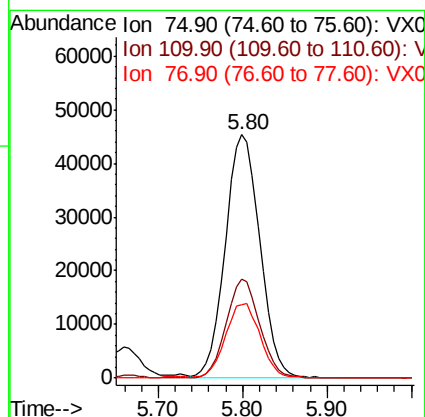
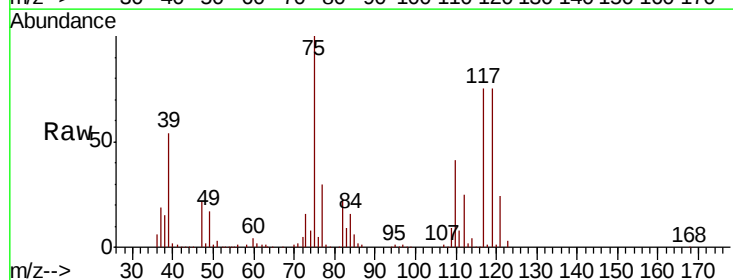
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

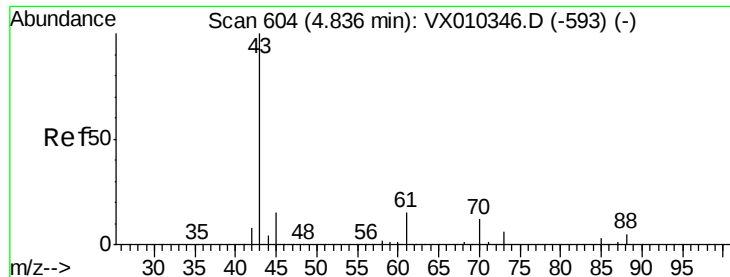
Tot Ion:113 Resp: 99794
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.2 121.8
 192 22.0 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 43.158 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Tgt Ion: 75 Resp: 126159
 Ion Ratio Lower Upper
 75 100
 110 39.7 20.8 62.2
 77 30.8 25.4 38.0

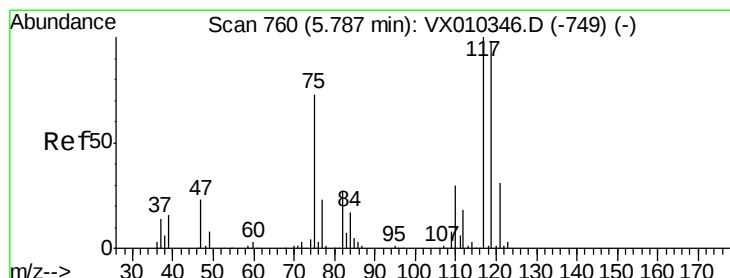
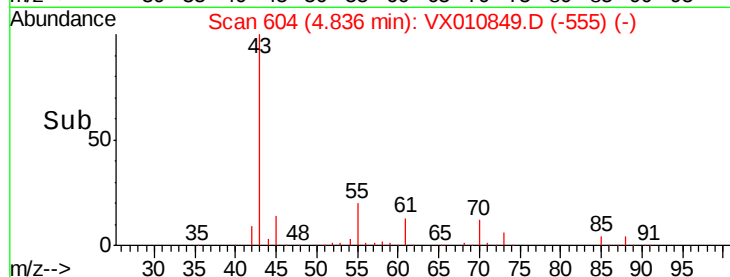
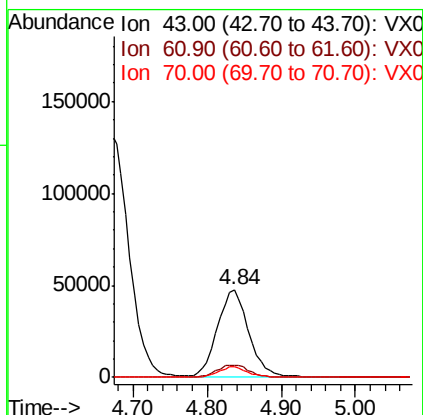
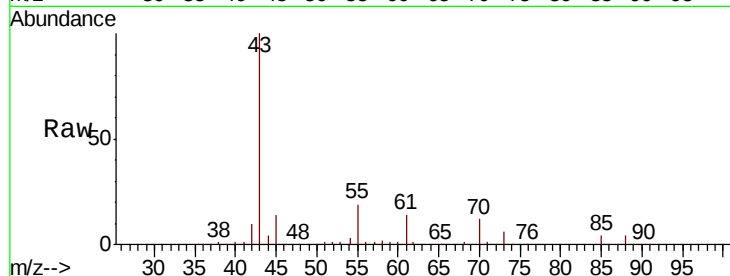




#37
Ethyl Acetate
Concen: 46.382 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

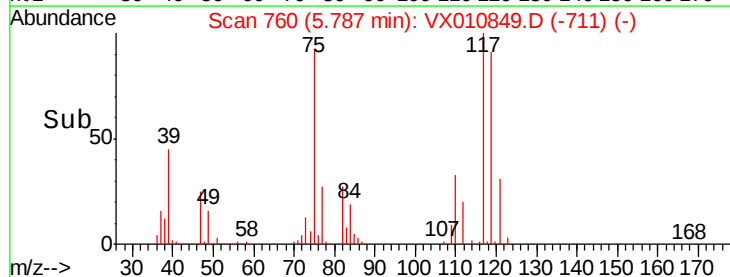
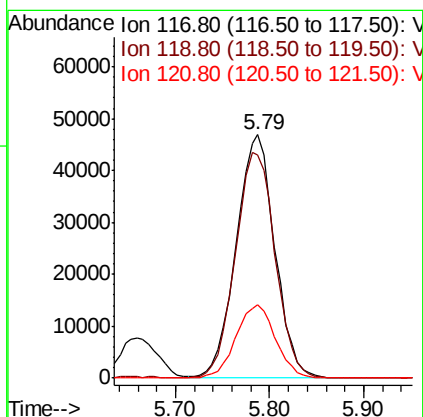
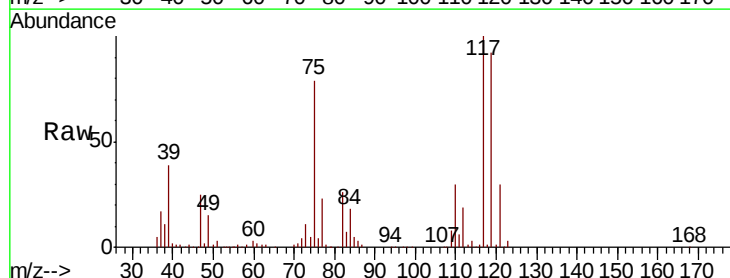
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 139484
Ion Ratio Lower Upper
43 100
61 14.5 12.4 18.6
70 11.5 9.8 14.8



#38
Carbon Tetrachloride
Concen: 42.355 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion: 117 Resp: 134072
Ion Ratio Lower Upper
117 100
119 91.7 78.2 117.4
121 30.4 24.7 37.1

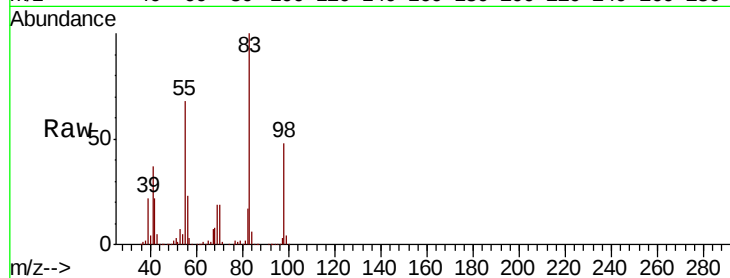




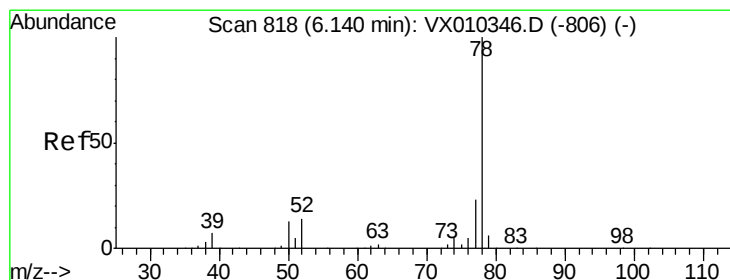
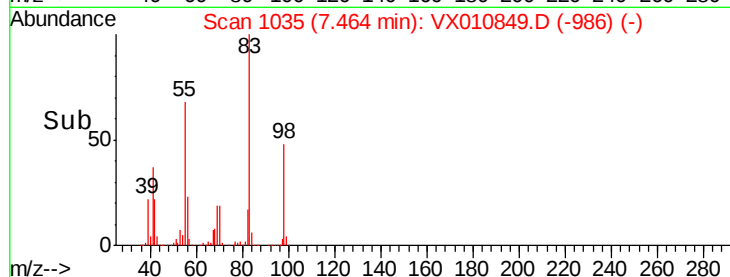
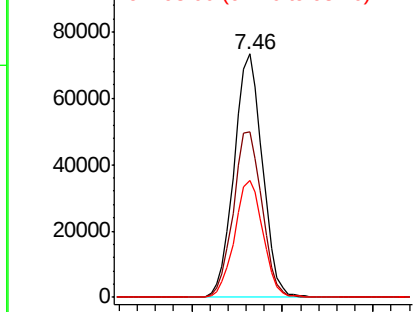
#39
Methvlcvclohexane
Concen: 41.320 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 158772
Ion Ratio Lower Upper
83 100
55 68.3 53.0 79.6
98 48.0 37.8 56.8

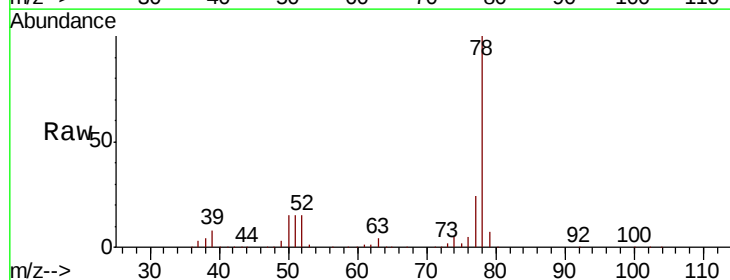


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

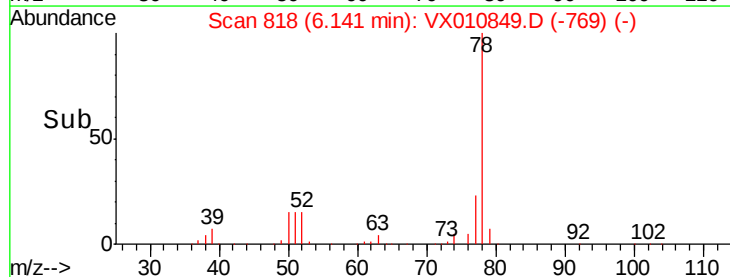
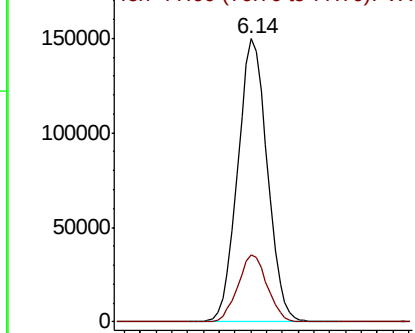


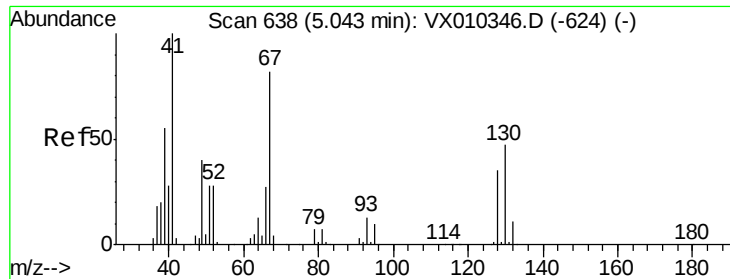
#40
Benzene
Concen: 42.989 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion: 78 Resp: 391509
Ion Ratio Lower Upper
78 100
77 23.8 18.6 28.0



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

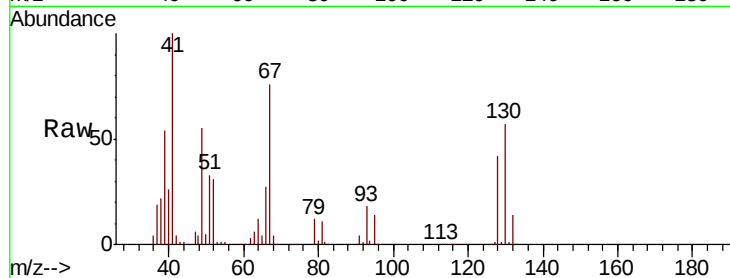




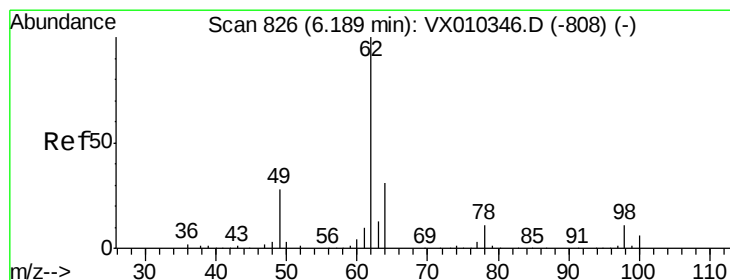
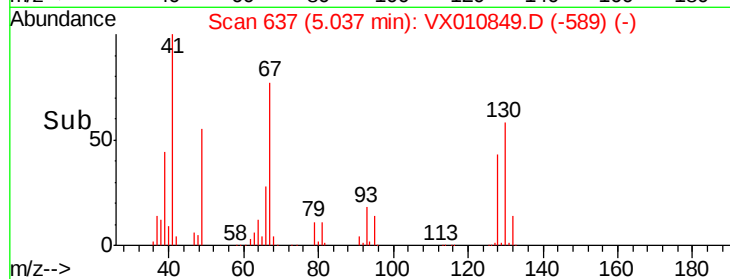
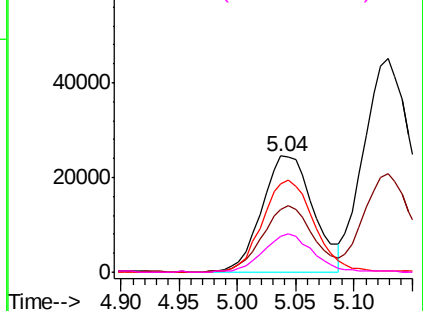
#41
Methacrylonitrile
Concen: 45.574 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	75199
Ion	Ratio	Lower	Upper
41	100		
39	55.7	43.8	65.8
67	79.8	66.6	100.0
52	32.3	24.5	36.7

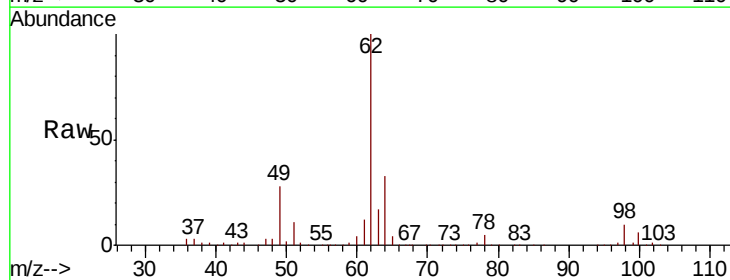


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

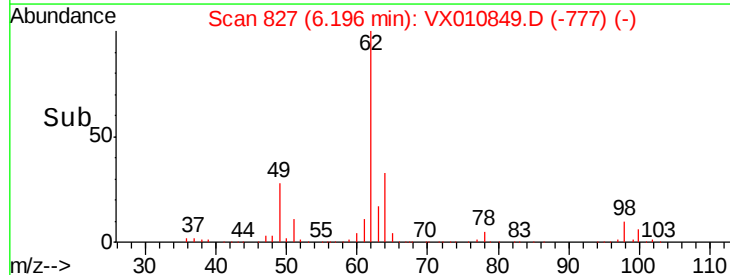
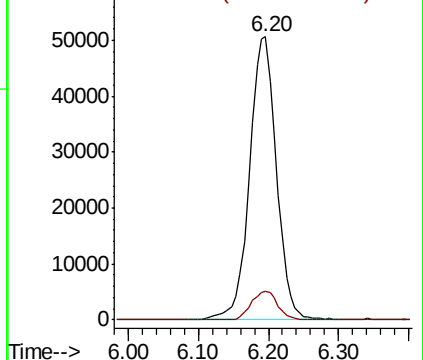


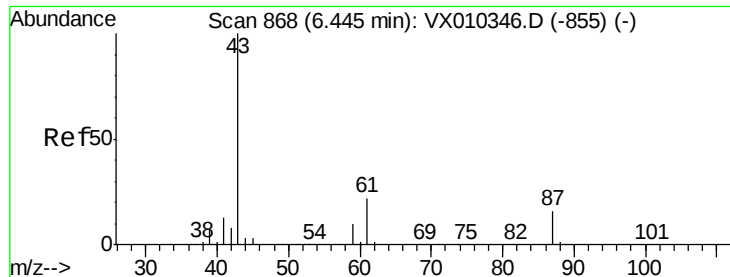
#42
1,2-Dichloroethane
Concen: 48.307 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion:	62	Resp:	133920
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



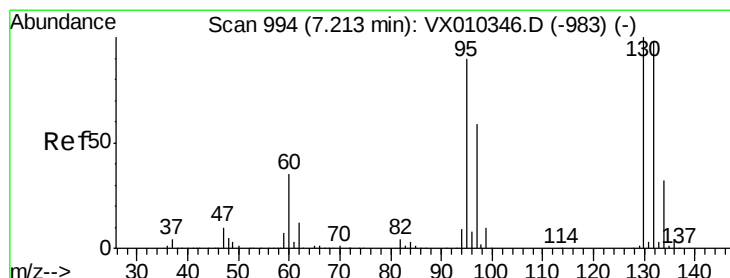
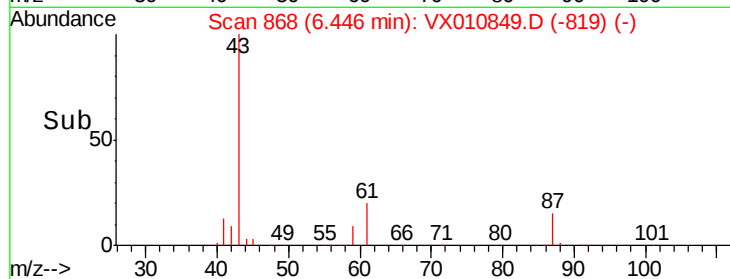
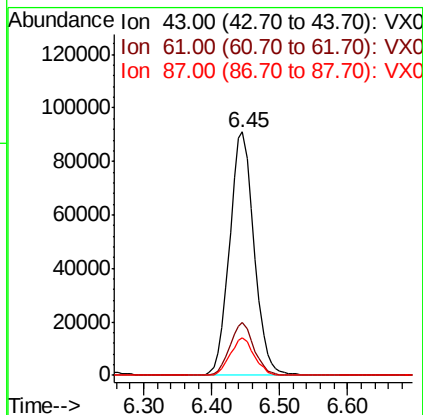
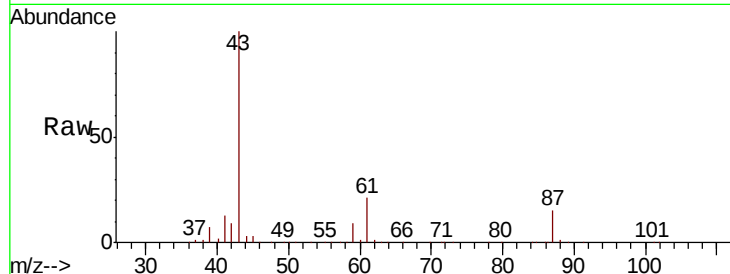


#43

Isopropyl Acetate
 Concen: 45.444 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

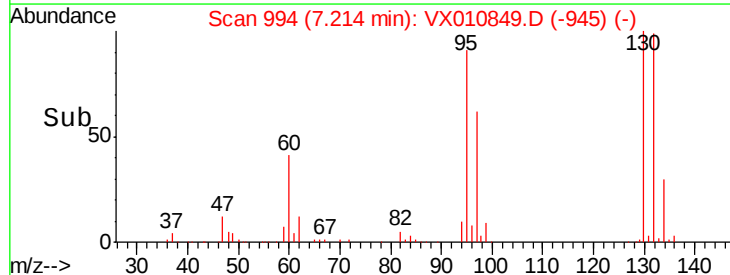
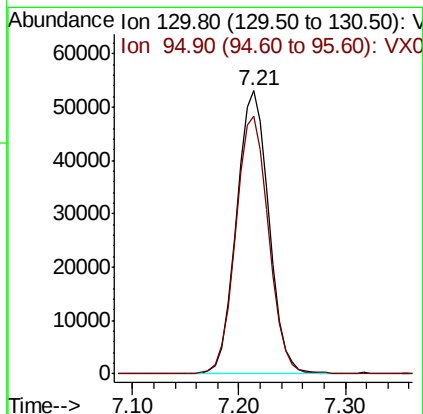
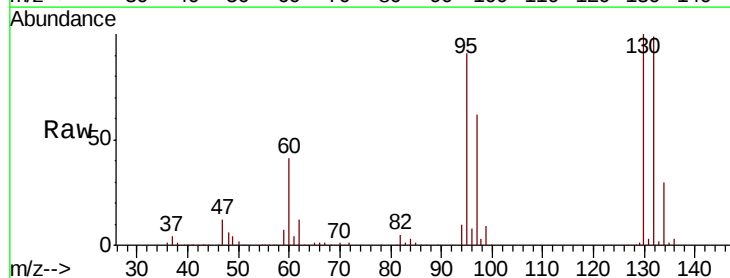
Tot Ion: 43 Resp: 226109
 Ion Ratio Lower Upper
 43 100
 61 21.4 17.8 26.6
 87 15.2 13.0 19.4

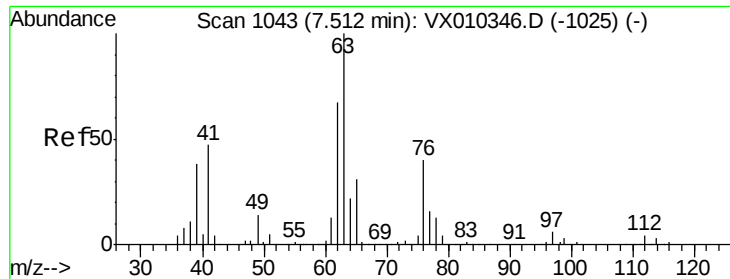


#44

Trichloroethene
 Concen: 41.600 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Tgt Ion: 130 Resp: 113364
 Ion Ratio Lower Upper
 130 100
 95 91.1 0.0 180.8

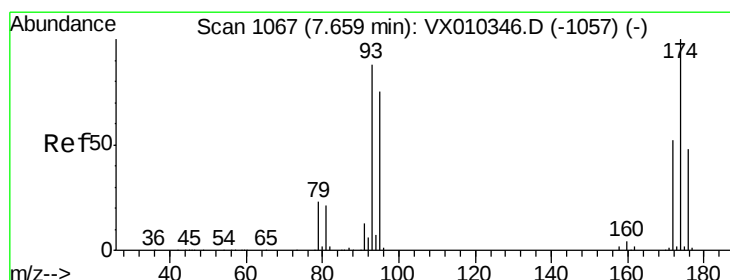
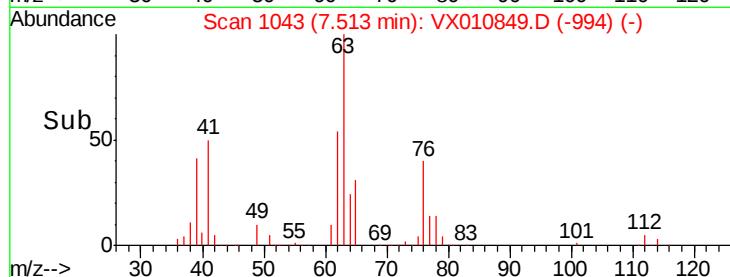
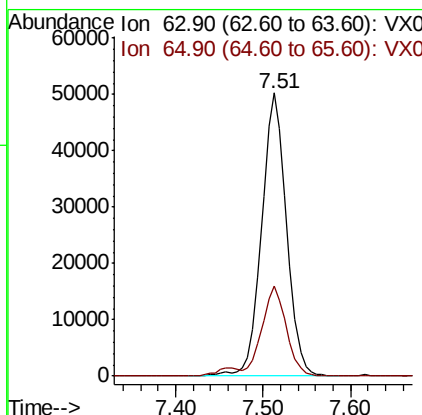
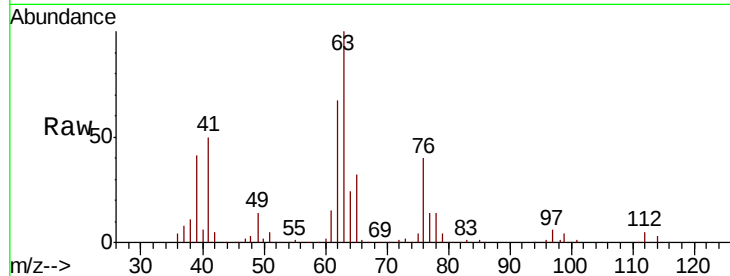




#45
 1,2-Dichloropropane
 Concen: 43.583 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

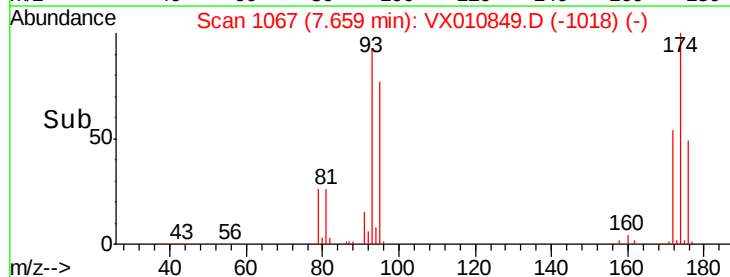
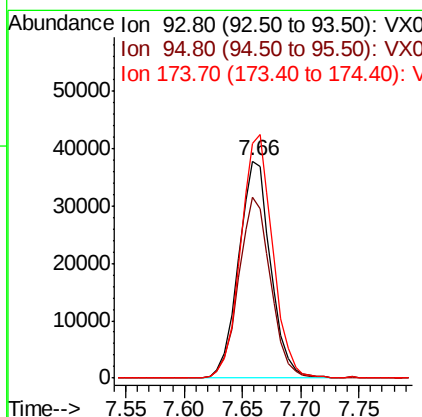
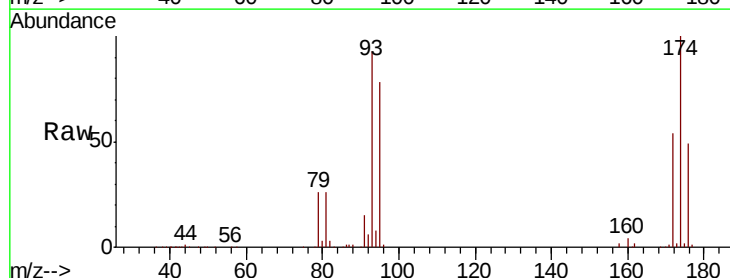
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

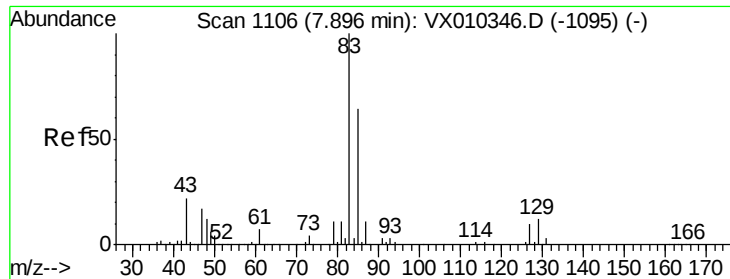
Tot Ion: 63 Resp: 100233
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2



#46
 Dibromomethane
 Concen: 44.016 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Tgt Ion: 93 Resp: 72629
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.5 101.3
 174 112.0 95.8 143.6





#47

Bromodichloromethane

Concen: 43.513 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

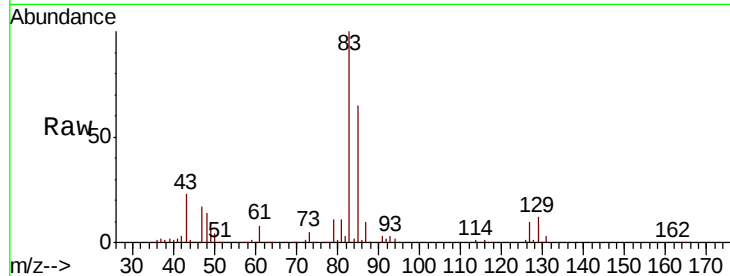
Tot Ion: 83 Resp: 131581

Ion Ratio Lower Upper

83 100

85 64.6 51.5 77.3

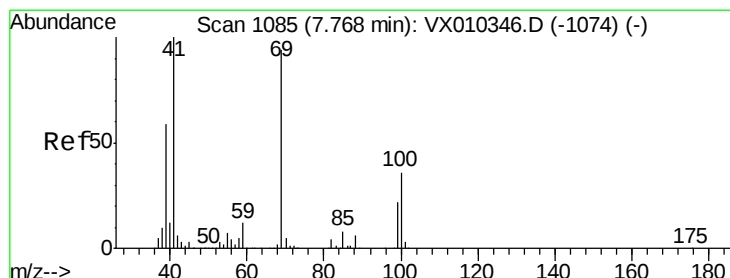
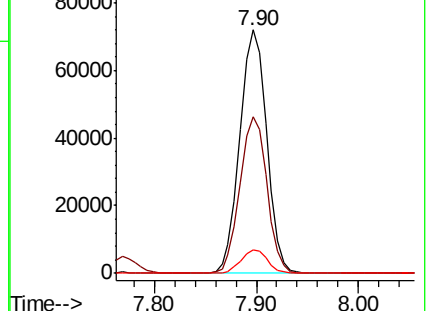
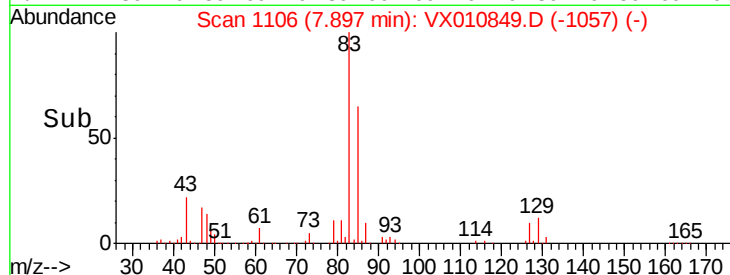
127 9.8 7.8 11.8



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: 47.138 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

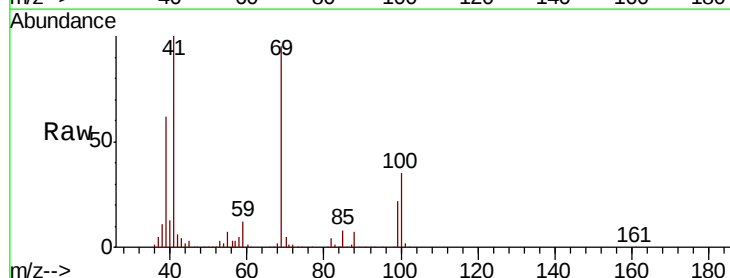
Tgt Ion: 41 Resp: 109016

Ion Ratio Lower Upper

41 100

69 91.1 76.1 114.1

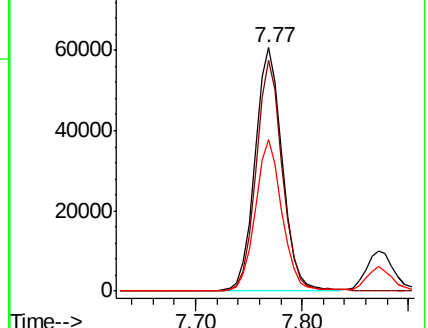
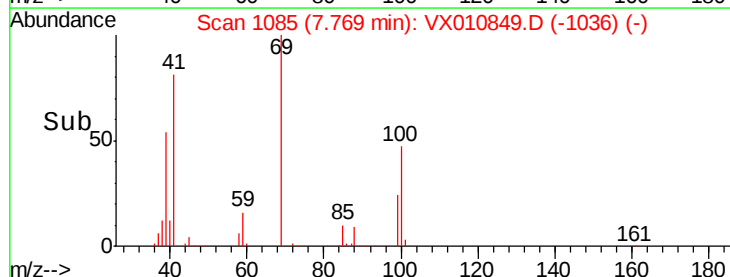
39 60.7 47.6 71.4

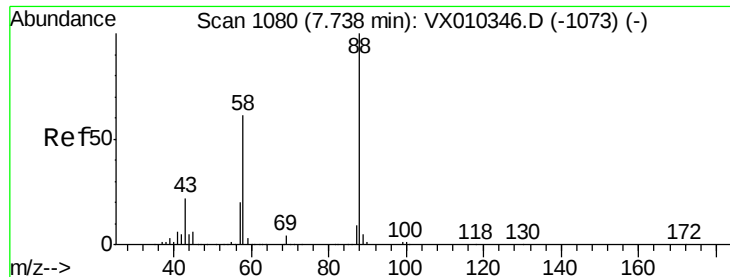


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 903.148 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

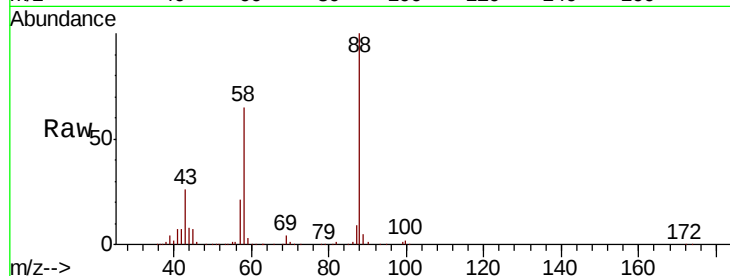
Tot Ion: 88 Resp: 60170

Ion Ratio Lower Upper

88 100

43 29.3 20.2 30.2

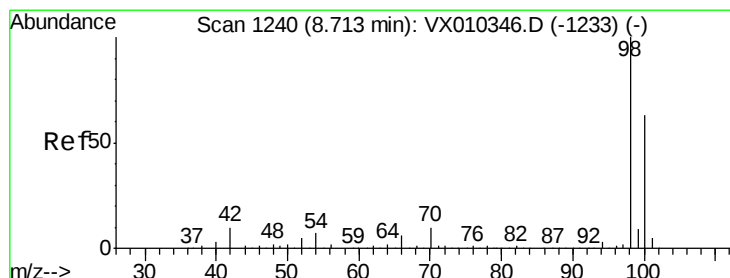
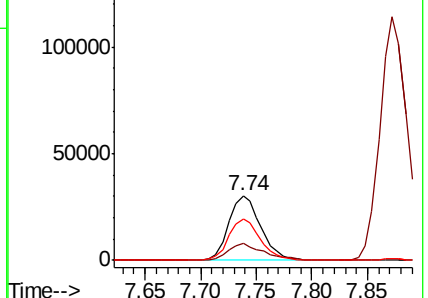
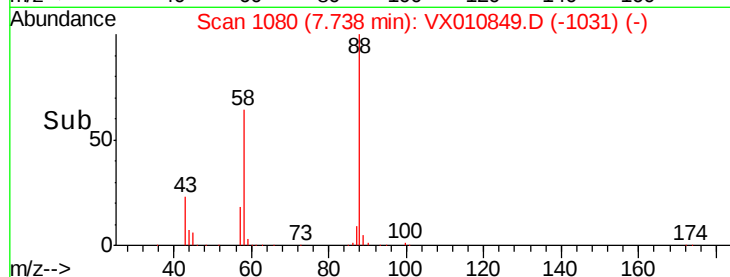
58 63.4 49.5 74.3



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 41.118 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010849.D

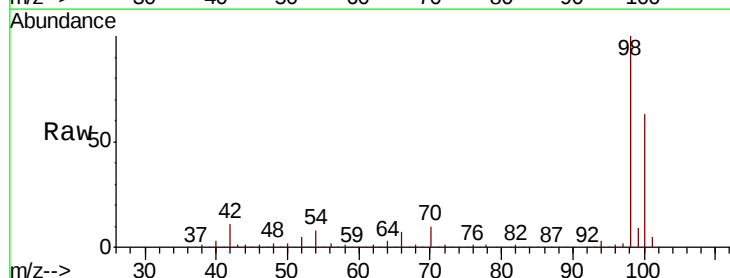
Acq: 12 Jul 2019 20:19

Tgt Ion: 98 Resp: 354053

Ion Ratio Lower Upper

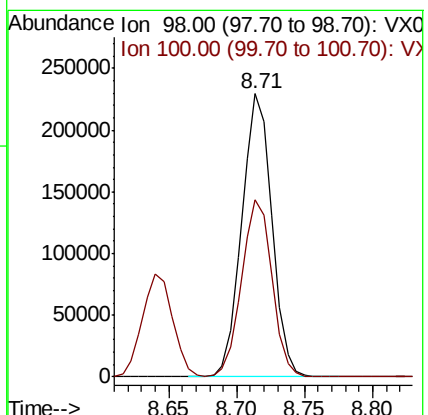
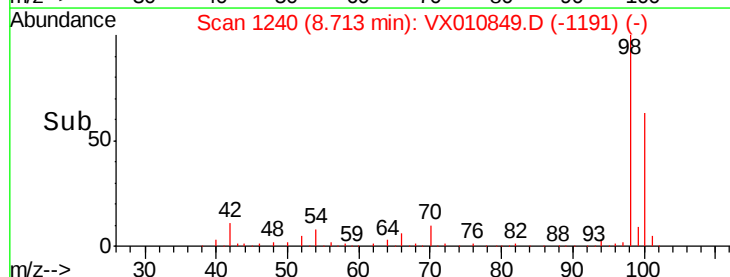
98 100

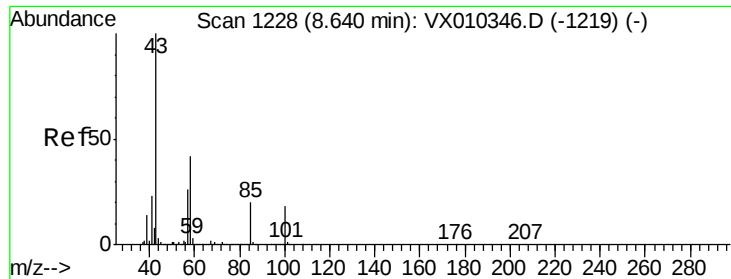
100 63.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

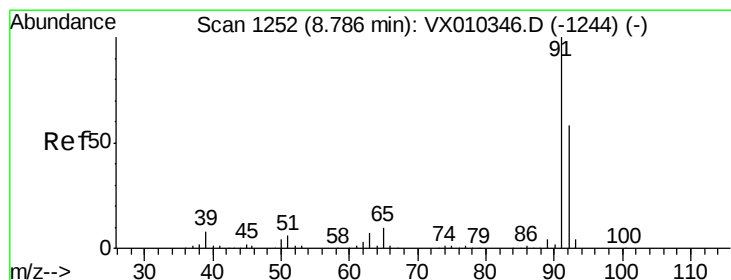
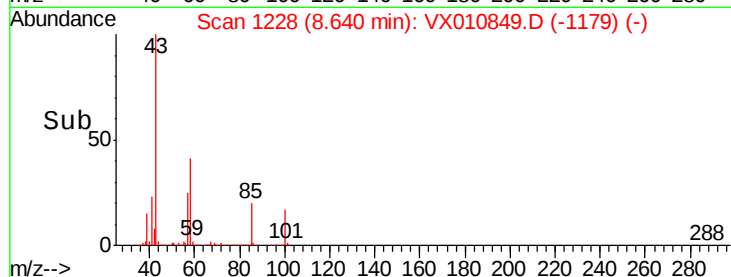
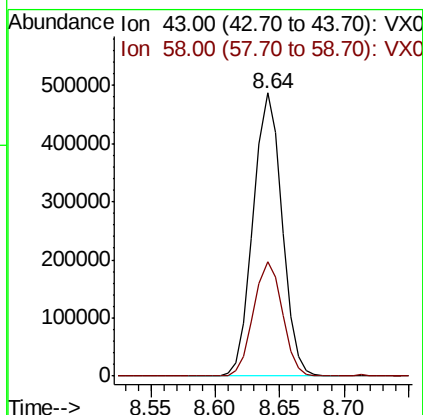
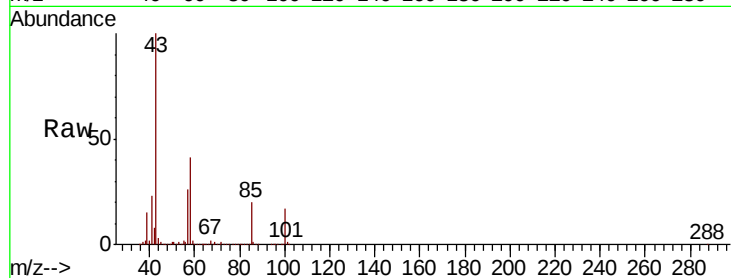




#51
4-Methyl-2-Pentanone
Concen: 236.611 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

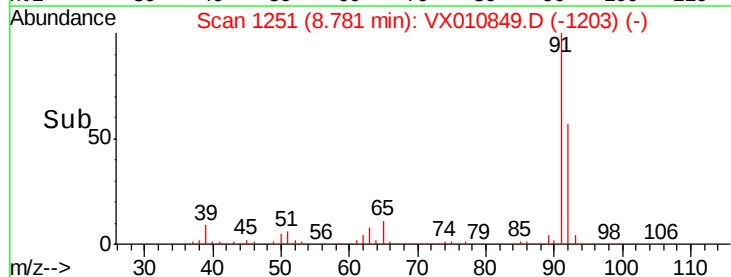
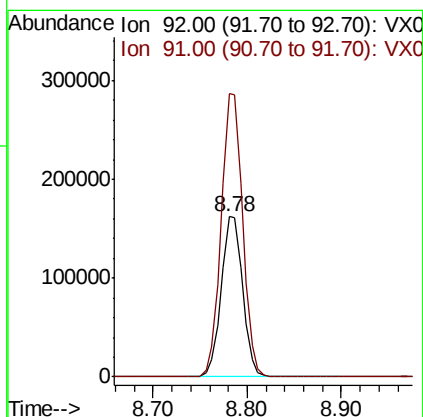
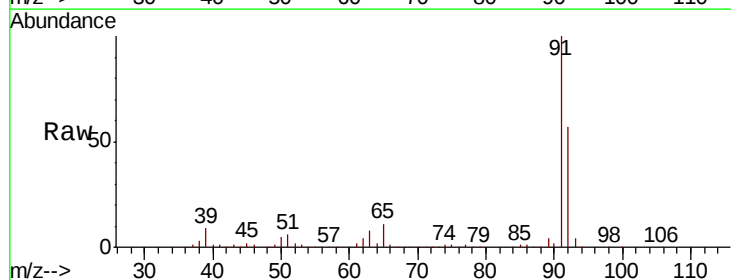
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

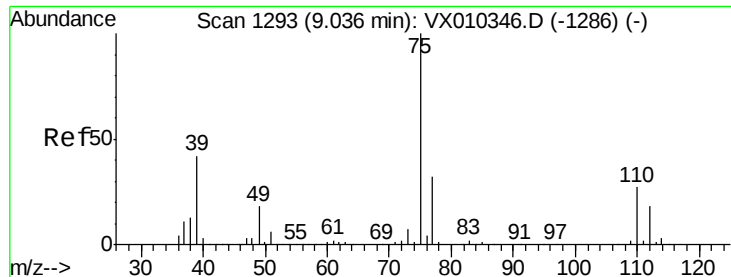
Tot Ion: 43 Resp: 752930
Ion Ratio Lower Upper
43 100
58 40.4 33.5 50.3



#52
Toluene
Concen: 42.789 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion: 92 Resp: 256622
Ion Ratio Lower Upper
92 100
91 176.6 139.8 209.6

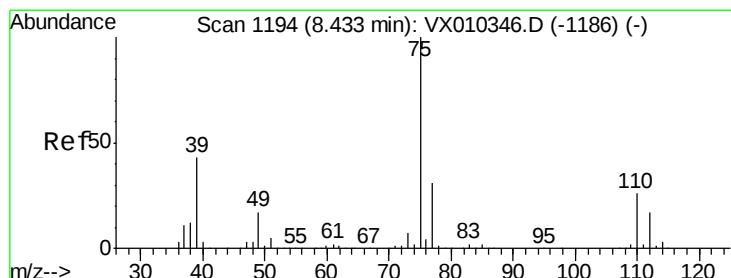
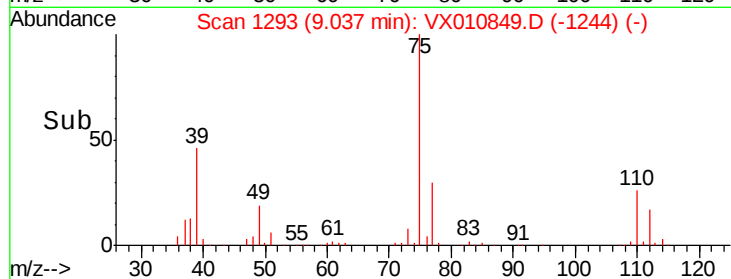
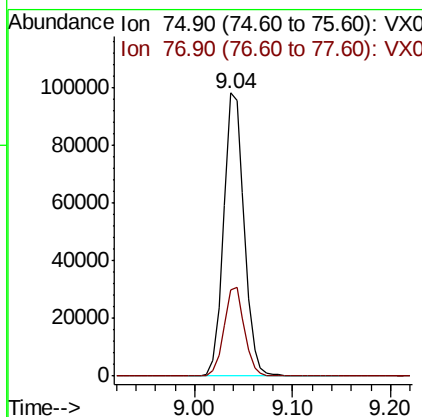
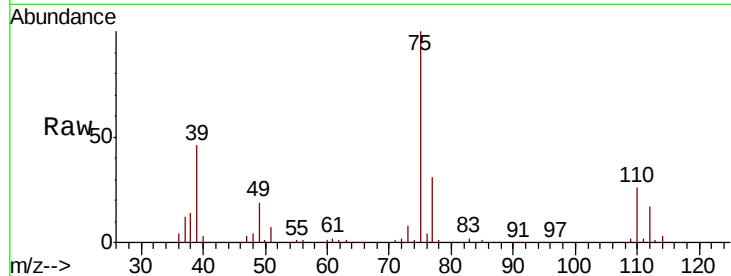




#53
 t-1,3-Dichloropropene
 Concen: 42.022 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

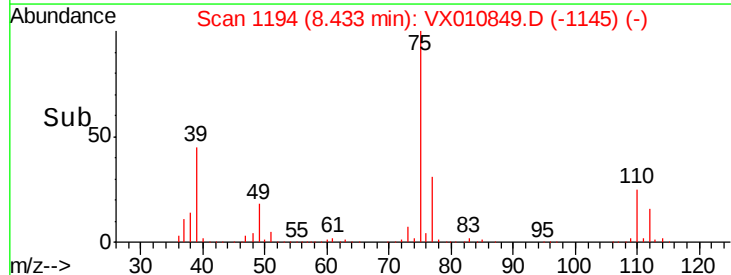
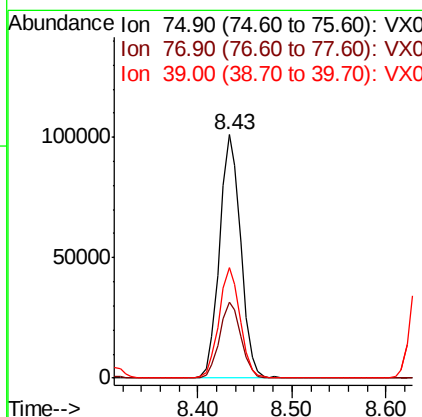
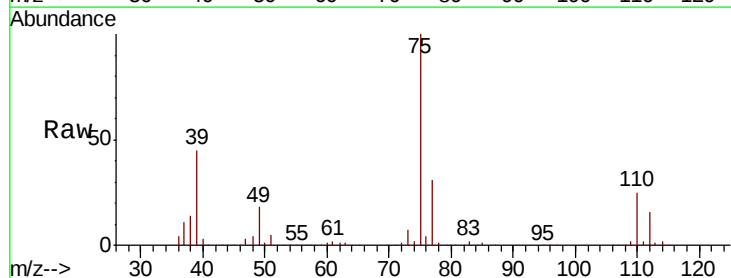
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

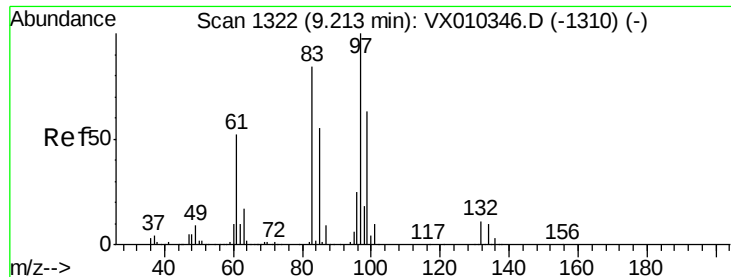
Tot Ion: 75 Resp: 142467
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 42.815 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Tgt Ion: 75 Resp: 157741
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.2 37.8
 39 45.2 34.5 51.7



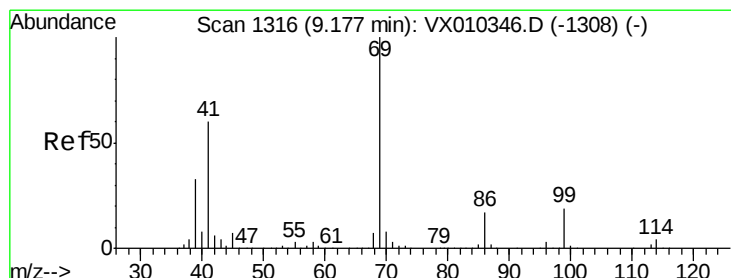
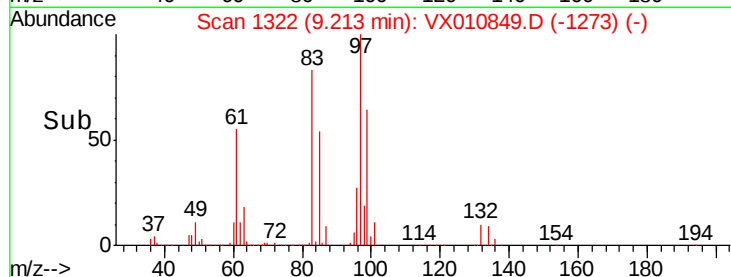
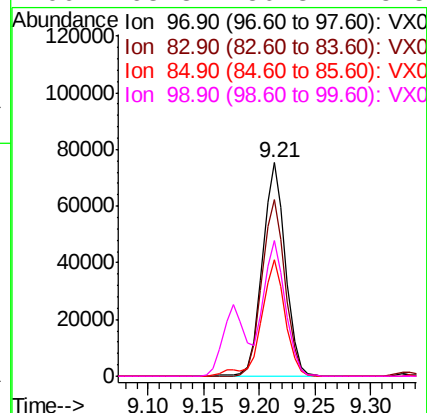
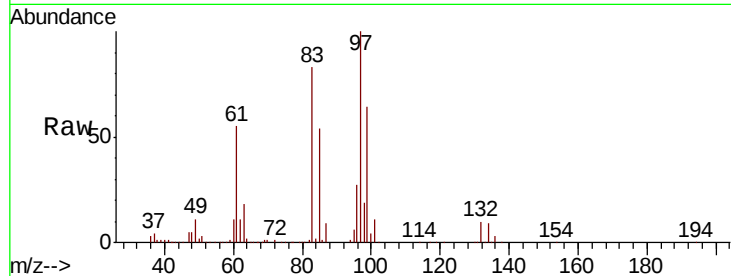


#55
 1,1,2-Trichloroethane
 Concen: 44.030 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 108908

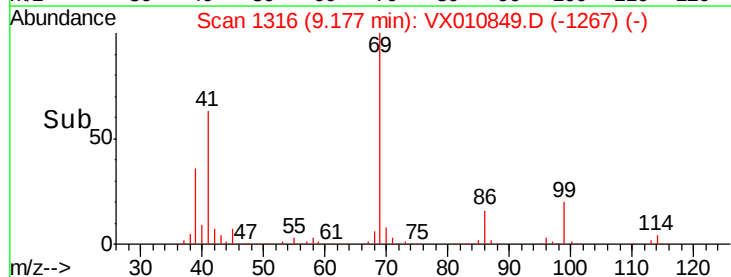
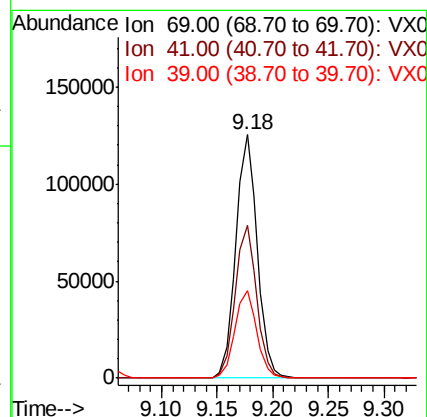
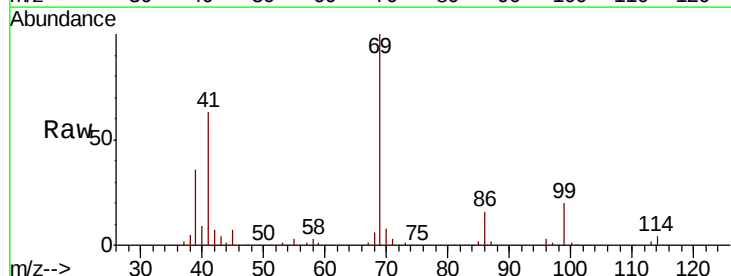
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.4	101.0
85	54.3	43.8	65.8
99	63.8	50.3	75.5

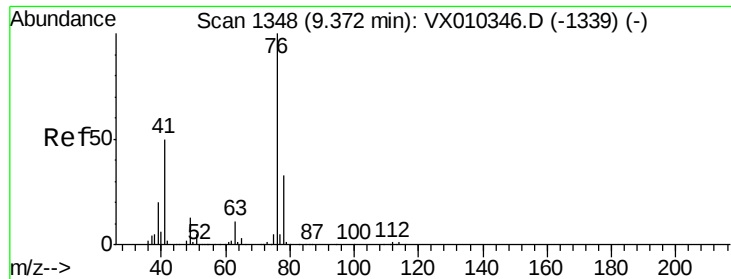


#56
 Ethyl methacrylate
 Concen: 44.529 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Tgt Ion: 69 Resp: 166848

Ion	Ratio	Lower	Upper
69	100		
41	62.7	47.1	70.7
39	36.4	26.6	40.0

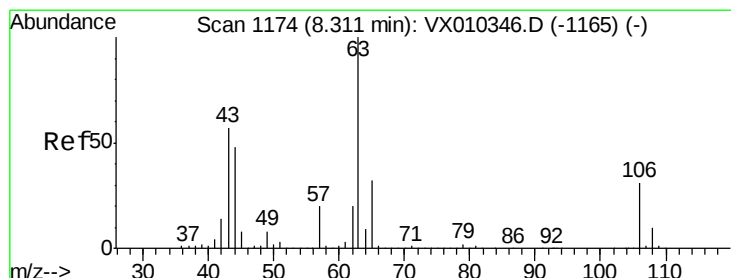
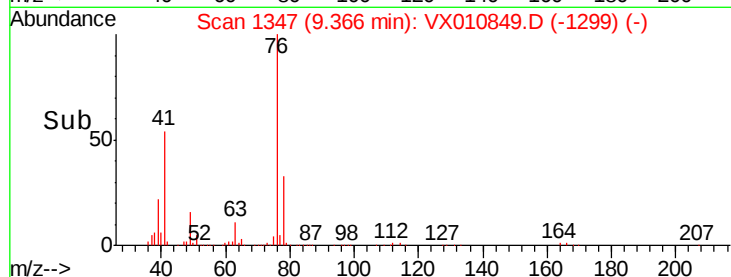
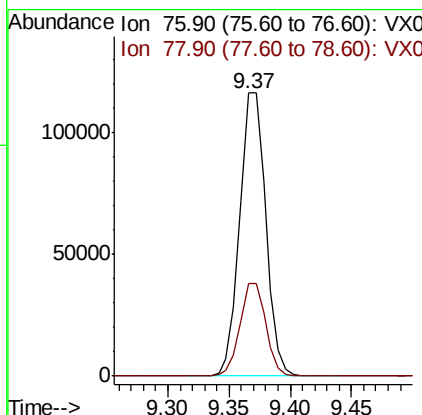
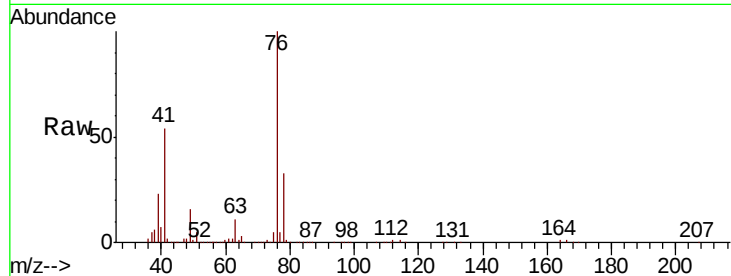




#57
 1,3-Dichloropropane
 Concen: 44.867 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

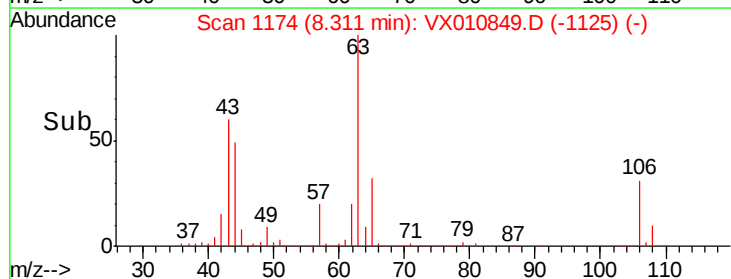
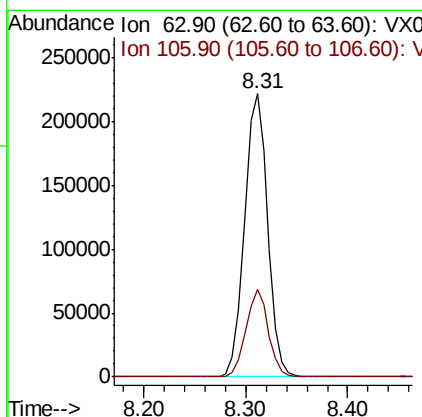
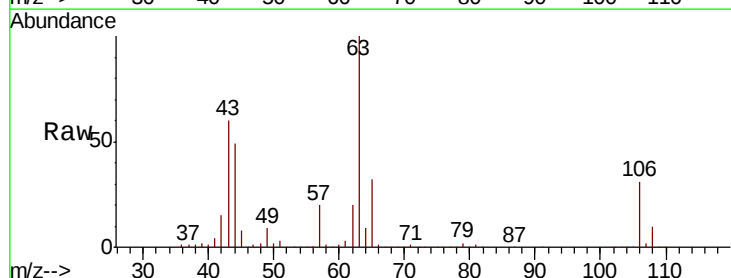
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 172269
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 195.169 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Tgt Ion: 63 Resp: 347311
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.7 37.1

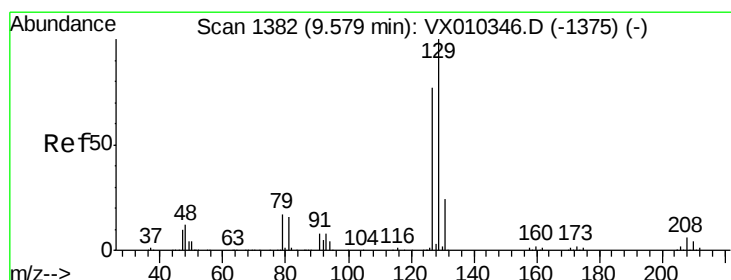
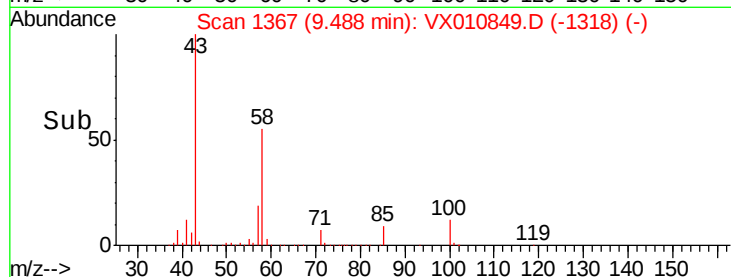
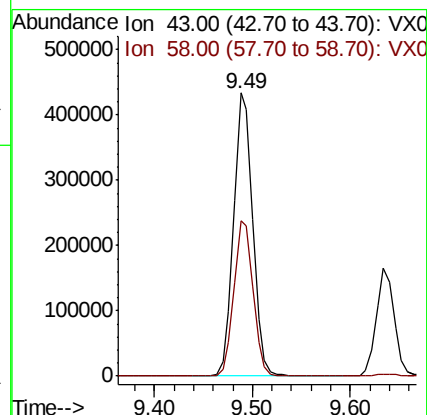
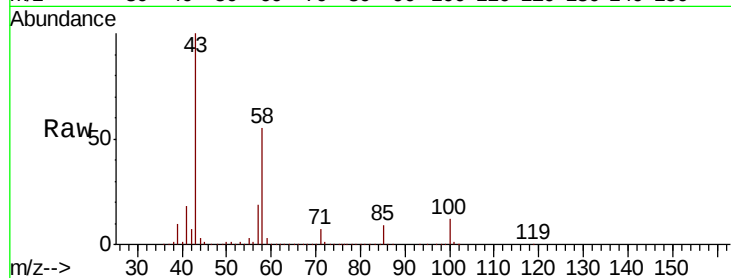




#59
2-Hexanone
Concen: 234.321 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

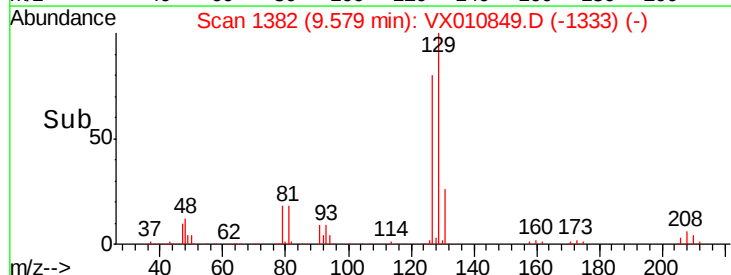
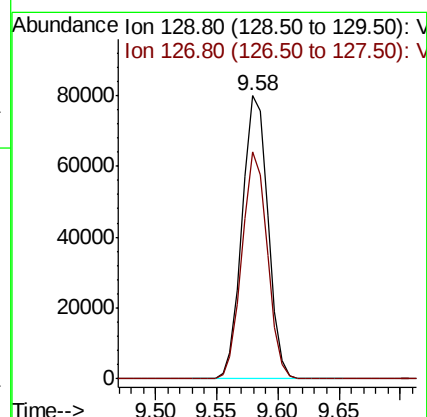
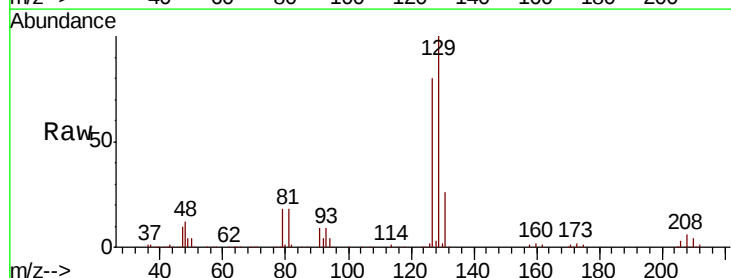
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 586848
Ion Ratio Lower Upper
43 100
58 55.3 29.0 87.1



#60
Dibromochloromethane
Concen: 42.055 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion: 129 Resp: 116470
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 44.051 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

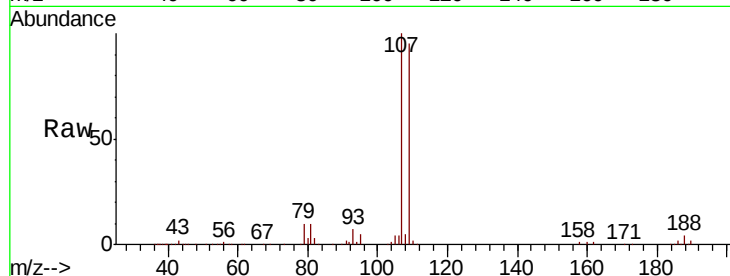
VSTDCCC050EC

Tot Ion:107 Resp: 117609

Ion Ratio Lower Upper

107 100

109 95.0 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

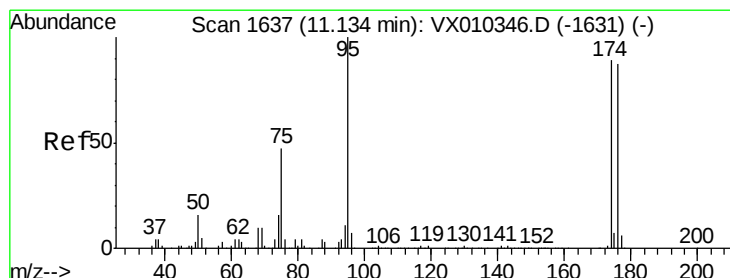
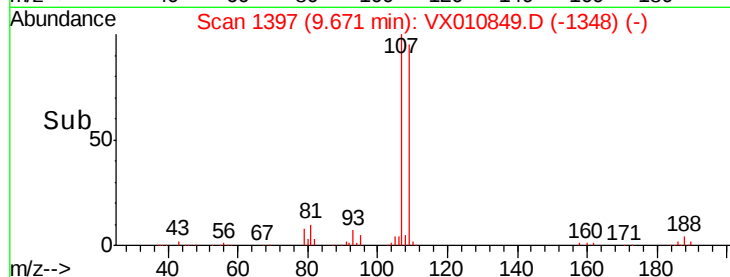
40000

20000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 43.787 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

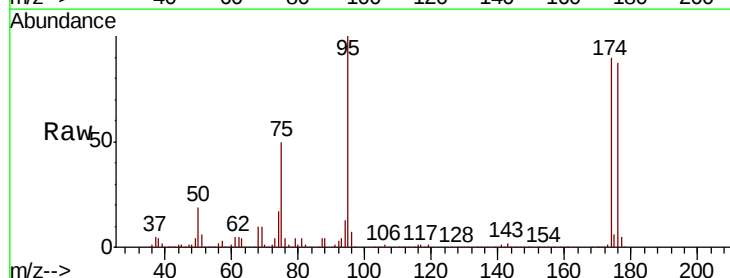
Tgt Ion: 95 Resp: 136123

Ion Ratio Lower Upper

95 100

174 91.9 0.0 187.6

176 89.2 0.0 184.0



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

11.13

150000

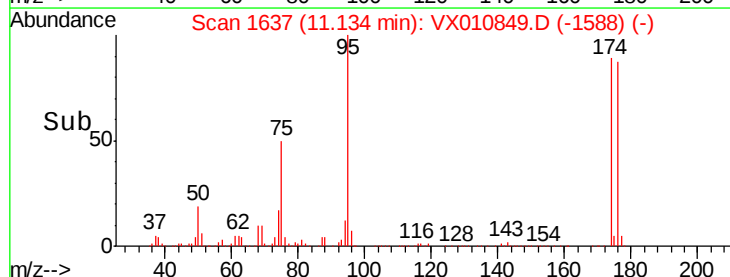
100000

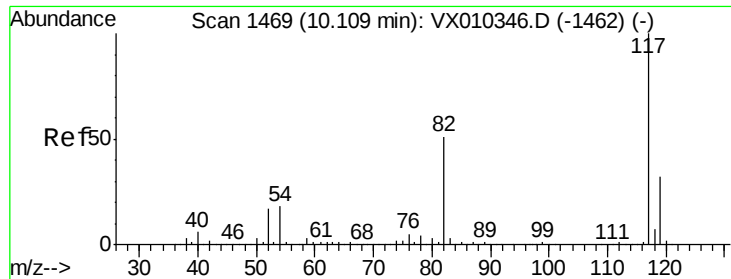
50000

0

Time-->

11.10 11.15 11.20

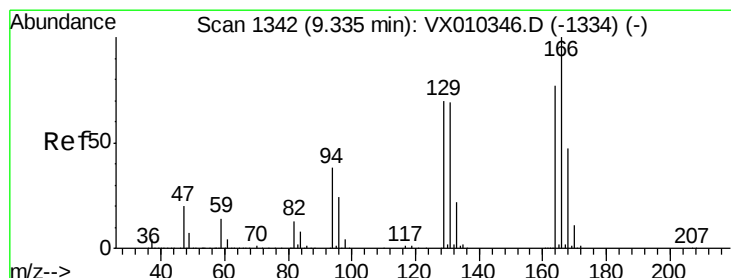
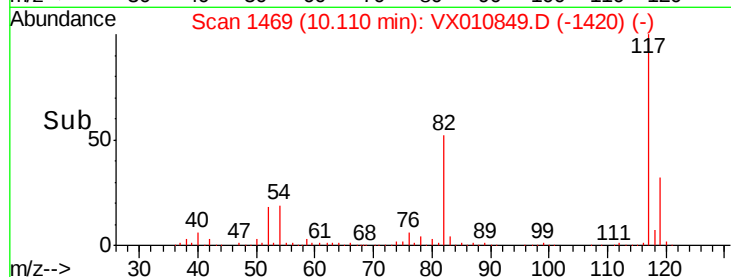
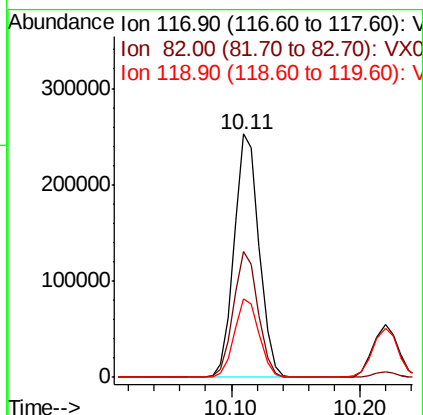
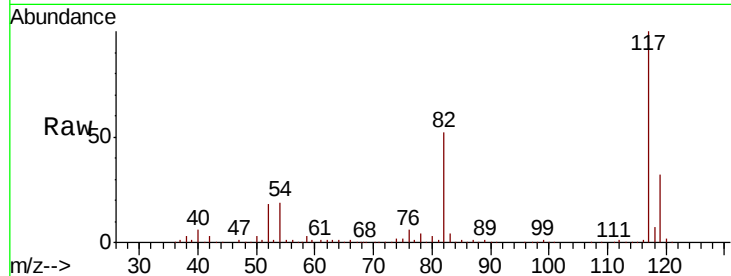




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

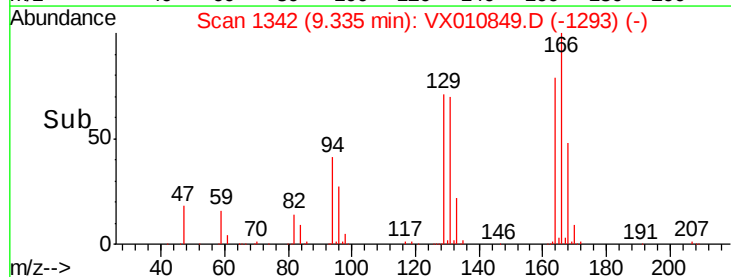
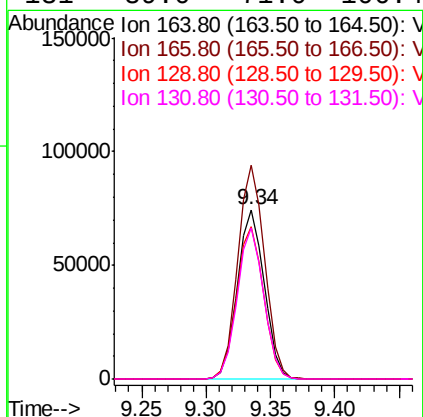
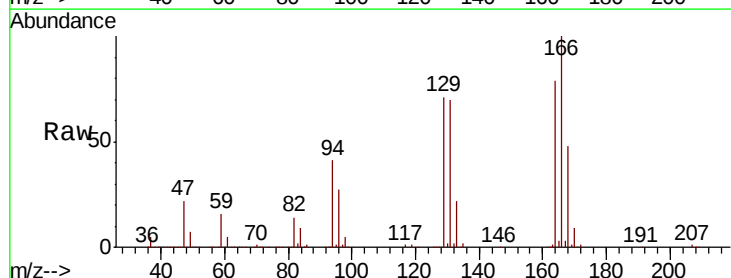
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

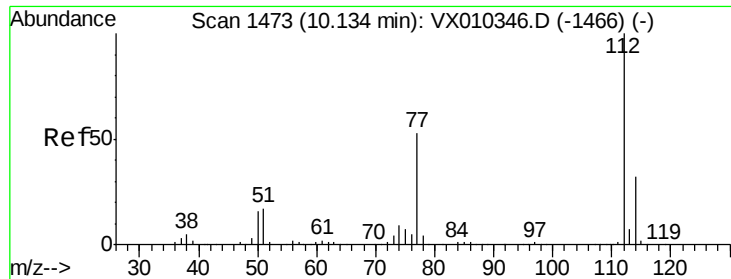
Tot Ion:117 Resp: 340913
Ion Ratio Lower Upper
117 100
82 51.8 41.2 61.8
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 39.049 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion:164 Resp: 107674
Ion Ratio Lower Upper
164 100
166 126.3 103.6 155.4
129 89.8 73.0 109.4
131 89.0 71.0 106.4

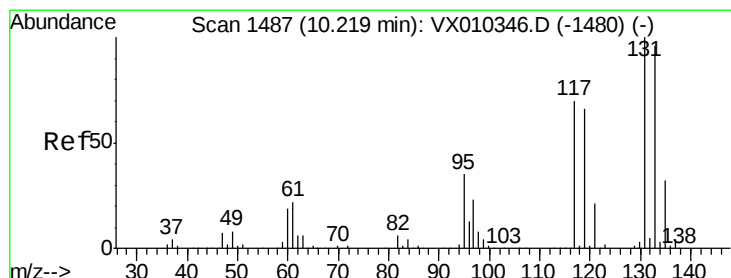
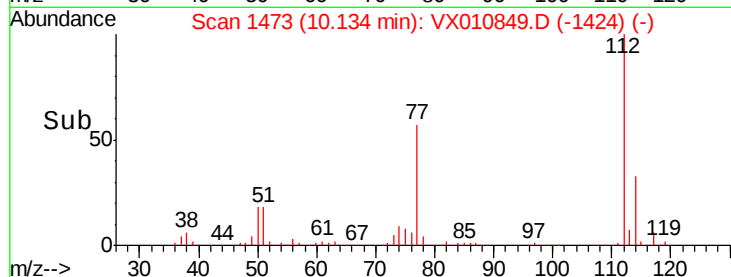
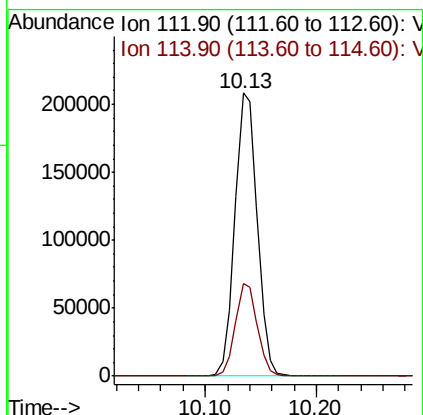
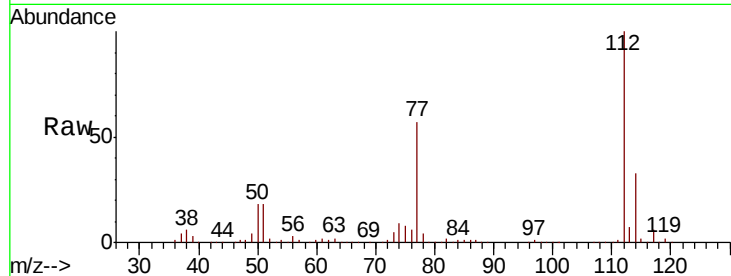




#65
Chlorobenzene
Concen: 41.834 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

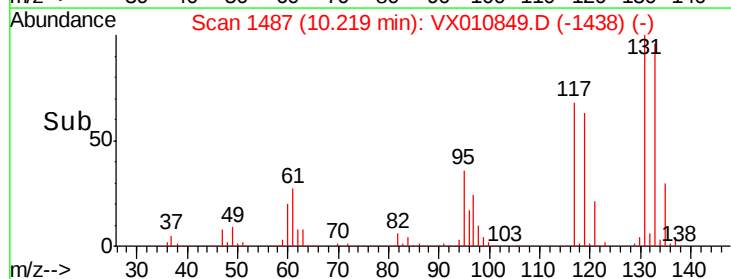
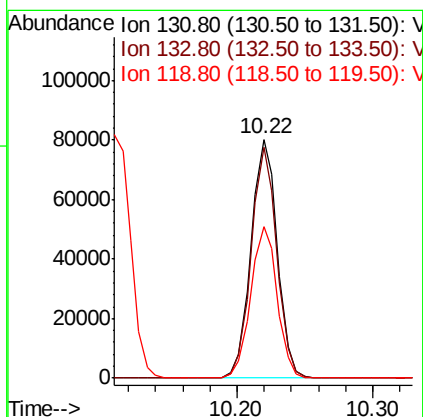
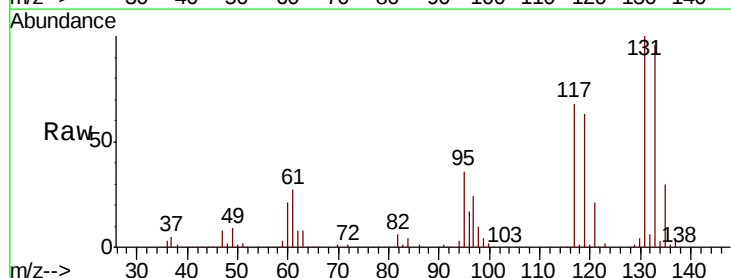
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

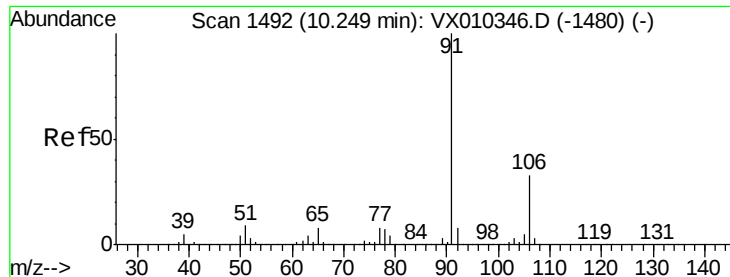
Tot Ion:112 Resp: 289540
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 43.135 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion:131 Resp: 108747
Ion Ratio Lower Upper
131 100
133 94.1 47.7 143.1
119 64.0 32.6 97.7





#67

Ethyl Benzene

Concen: 43.283 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

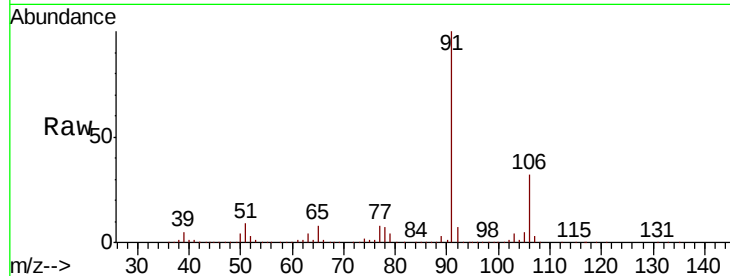
VSTDCCC050EC

Tot Ion: 91 Resp: 505738

Ion Ratio Lower Upper

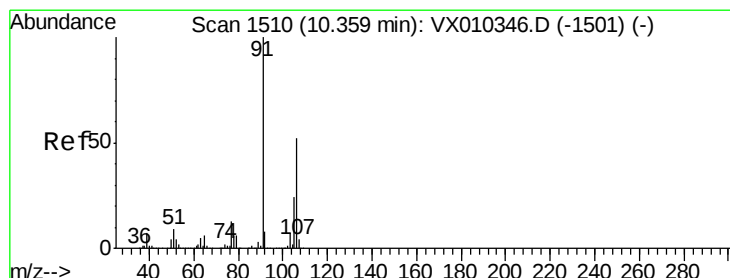
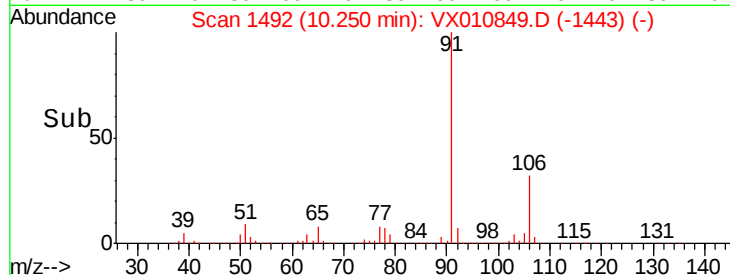
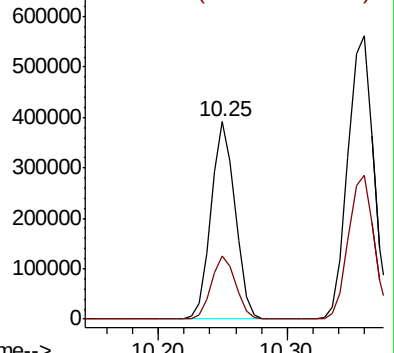
91 100

106 32.0 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 85.922 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010849.D

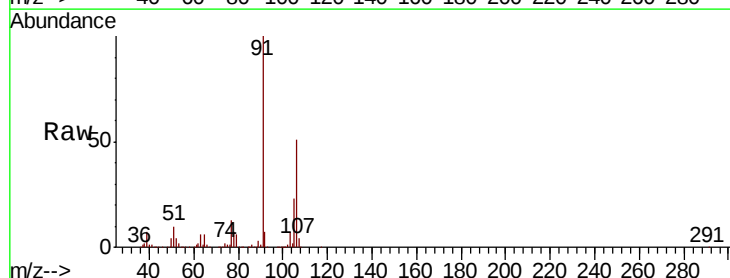
Acq: 12 Jul 2019 20:19

Tgt Ion: 106 Resp: 389006

Ion Ratio Lower Upper

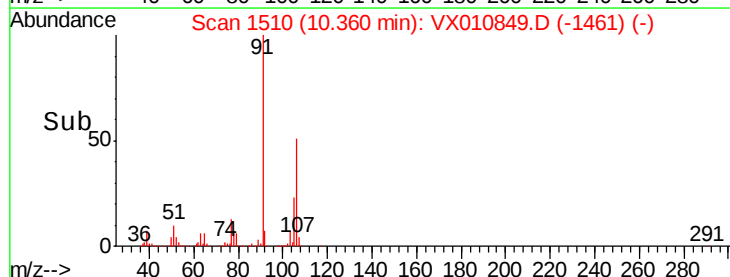
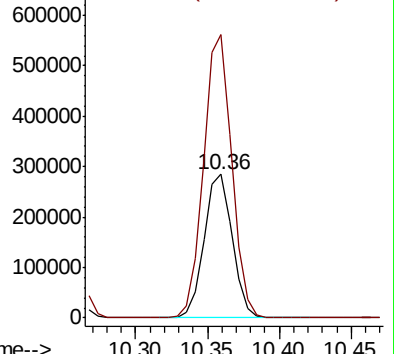
106 100

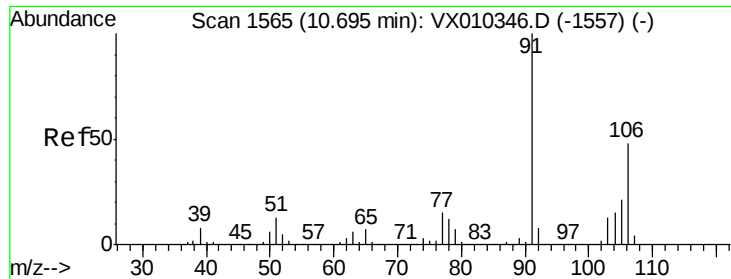
91 198.2 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

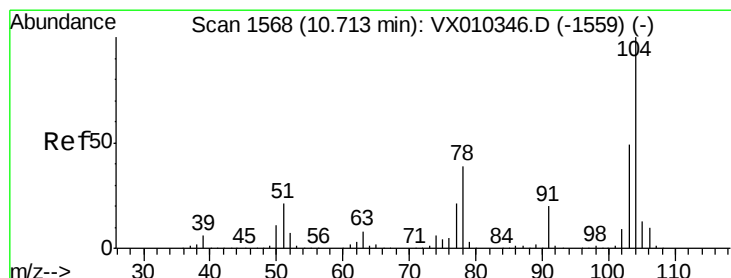
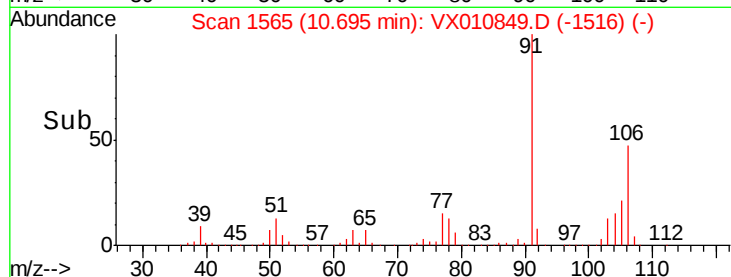
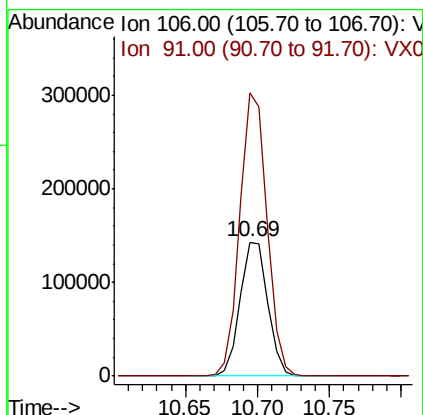
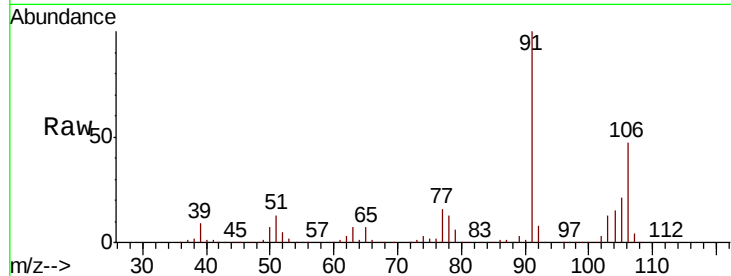




#69
o-Xylene
Concen: 42.894 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

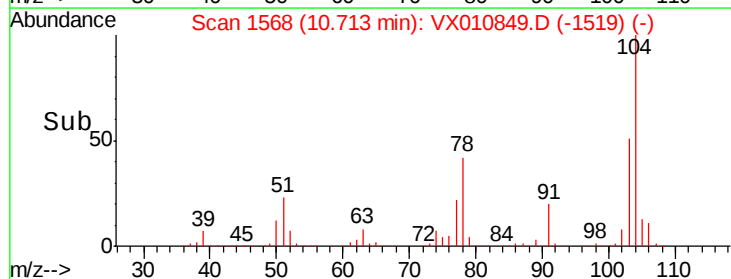
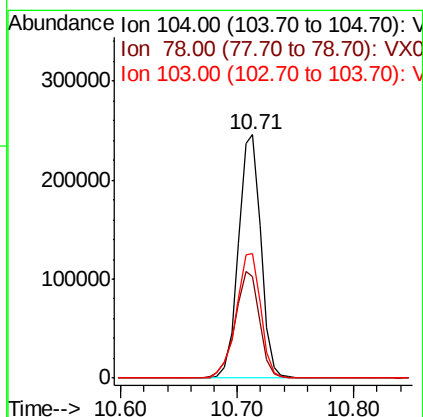
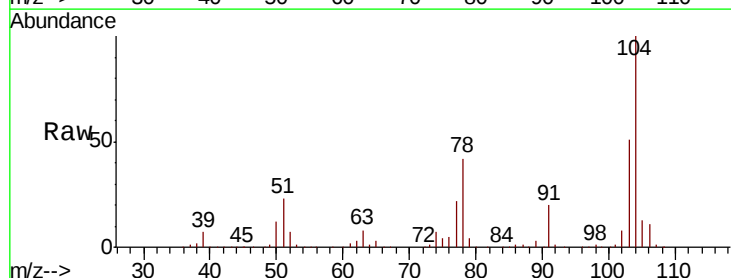
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 190979
Ion Ratio Lower Upper
106 100
91 207.8 102.7 308.1



#70
Styrene
Concen: 44.159 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion:104 Resp: 329724
Ion Ratio Lower Upper
104 100
78 47.7 36.2 54.2
103 55.6 44.2 66.4





#71

Bromoform

Concen: 40.686 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

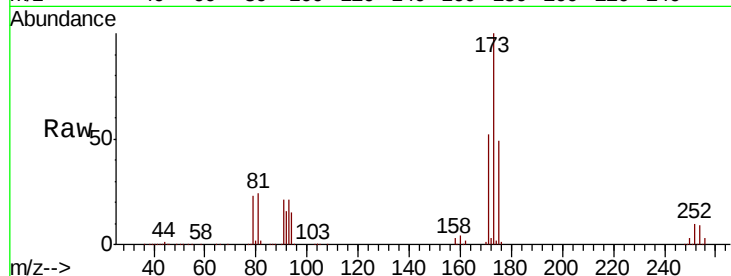
Tot Ion:173 Resp: 89198

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.3

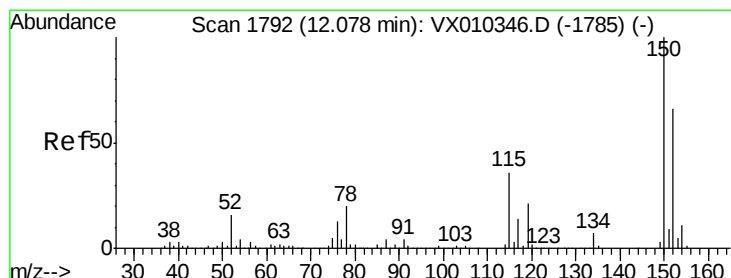
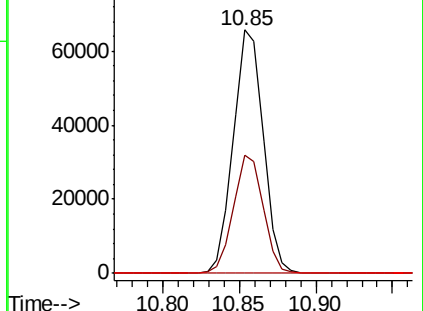
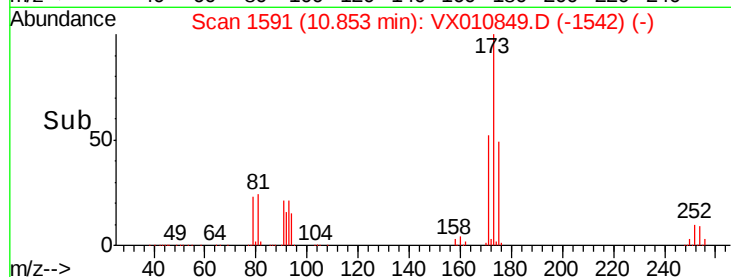
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

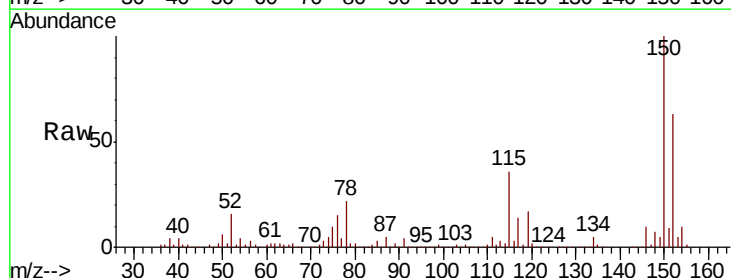
Tgt Ion:152 Resp: 177840

Ion Ratio Lower Upper

152 100

115 75.7 38.6 115.7

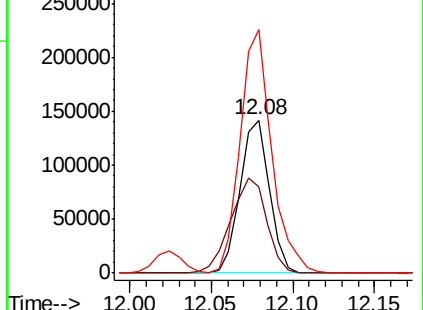
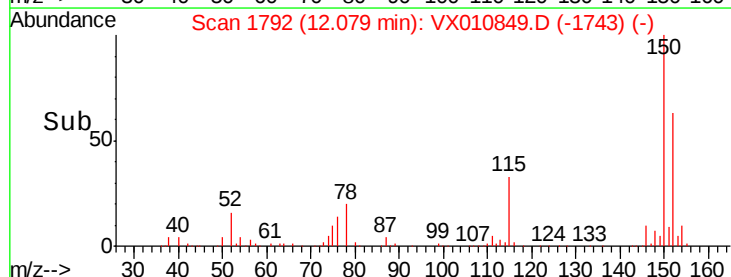
150 171.3 0.0 347.4

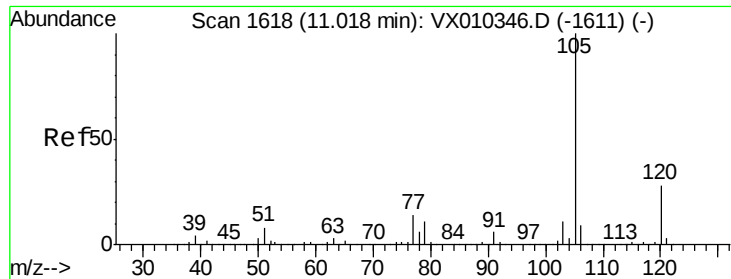


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 42.630 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

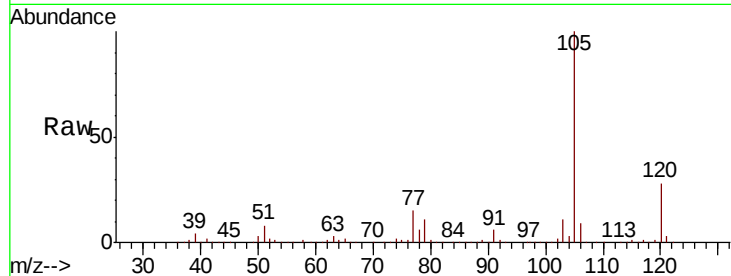
VSTDCCC050EC

Tot Ion:105 Resp: 513923

Ion Ratio Lower Upper

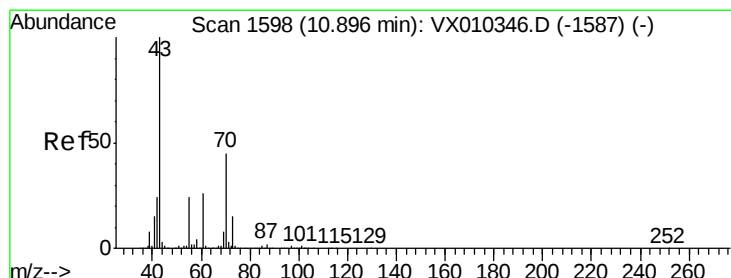
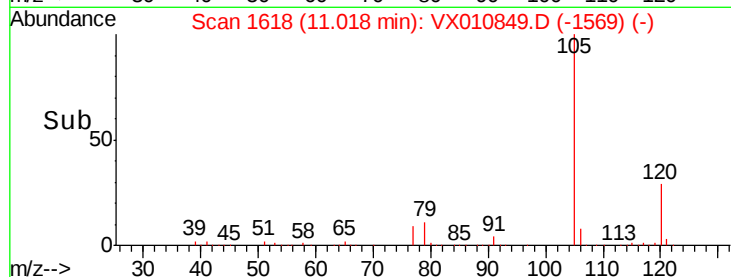
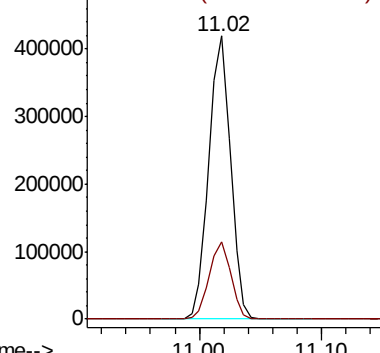
105 100

120 27.4 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.851 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Tgt Ion: 43 Resp: 213451

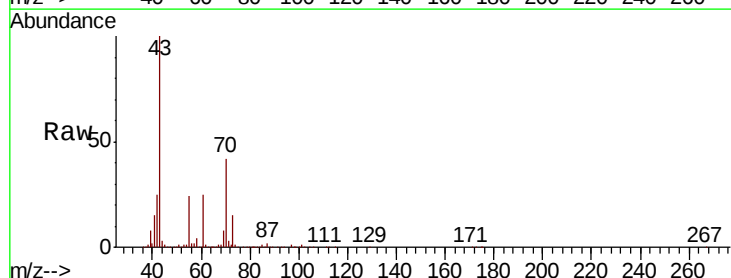
Ion Ratio Lower Upper

43 100

70 43.1 36.6 54.8

55 24.0 18.7 28.1

61 24.6 20.6 31.0

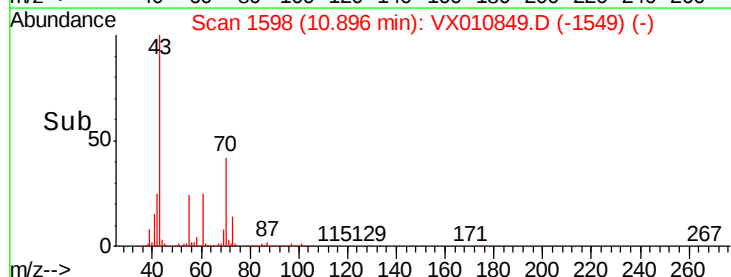
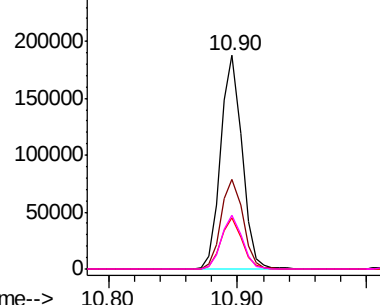


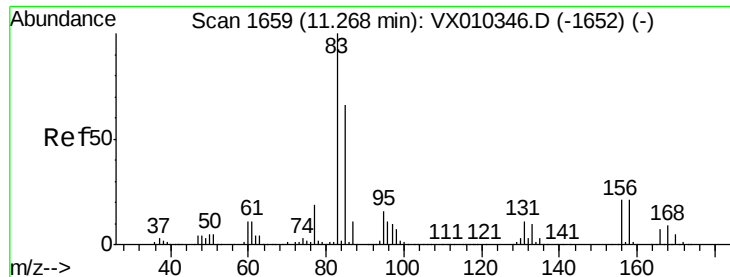
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 43.809 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

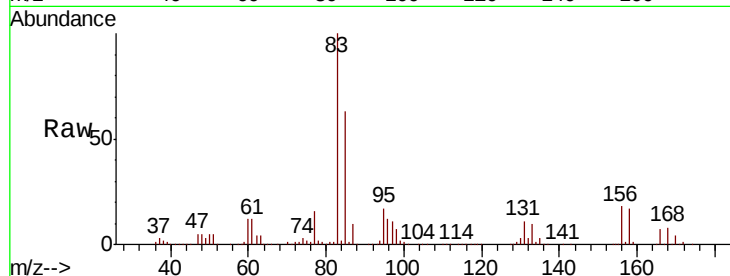
Tot Ion: 83 Resp: 174905

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

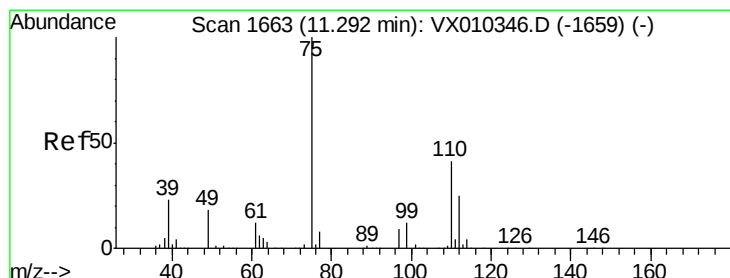
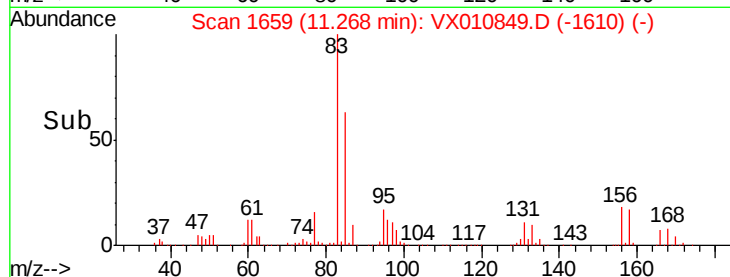
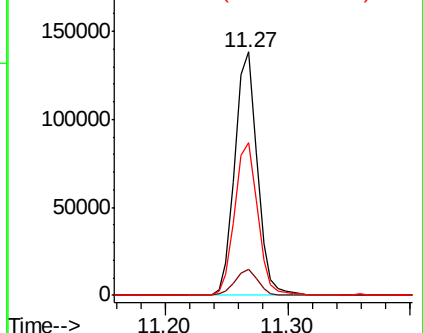
85 64.6 32.3 96.8



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: 58.060 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010849.D

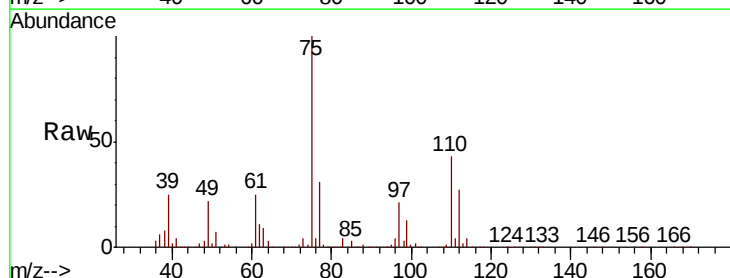
Acq: 12 Jul 2019 20:19

Tgt Ion: 75 Resp: 188157

Ion Ratio Lower Upper

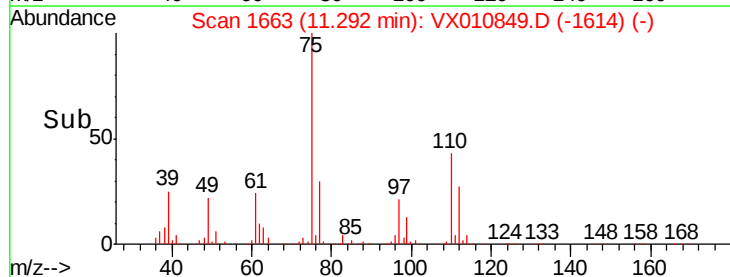
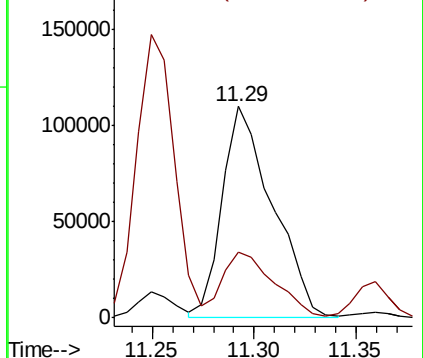
75 100

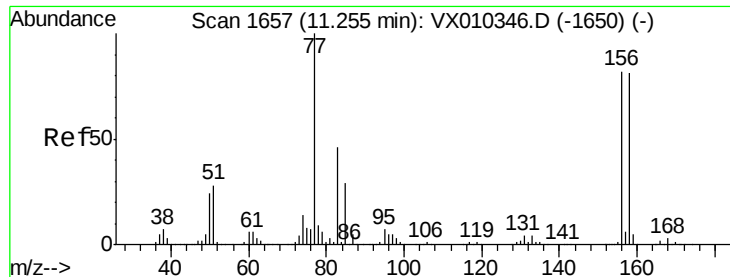
77 31.8 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 41.128 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

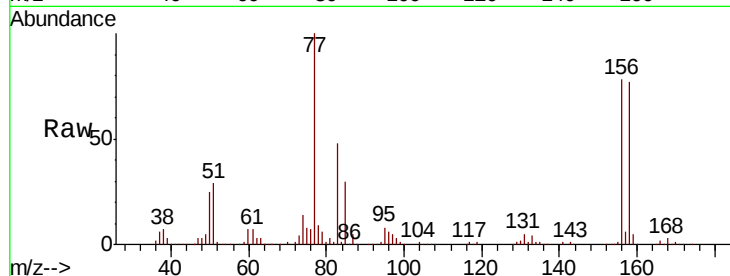
Tot Ion:156 Resp: 138446

Ion Ratio Lower Upper

156 100

77 137.7 66.3 198.7

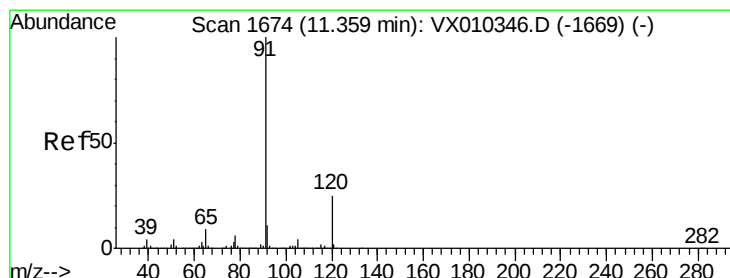
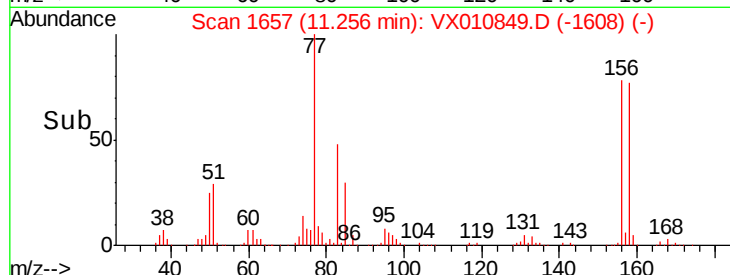
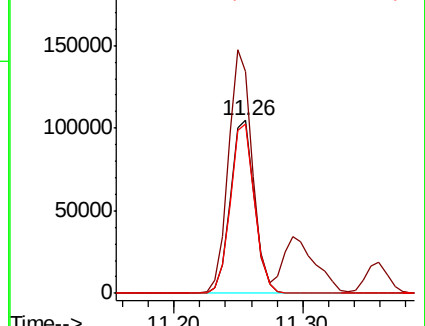
158 97.6 48.9 146.7



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: 43.460 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010849.D

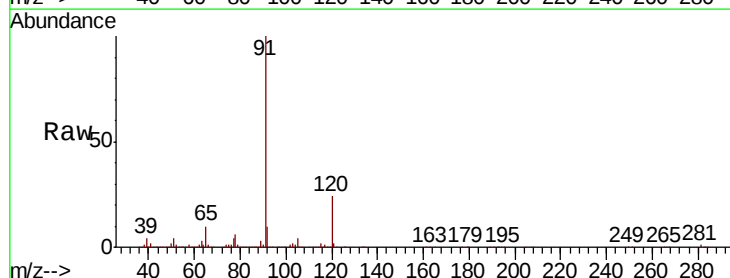
Acq: 12 Jul 2019 20:19

Tgt Ion: 91 Resp: 575815

Ion Ratio Lower Upper

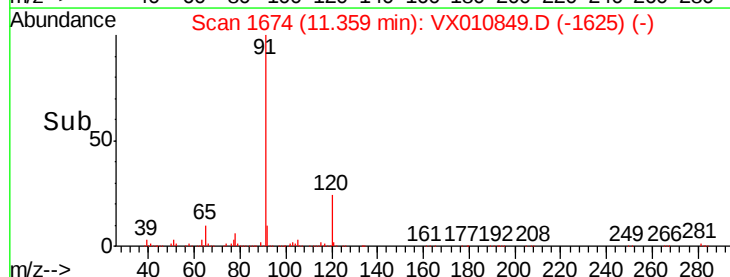
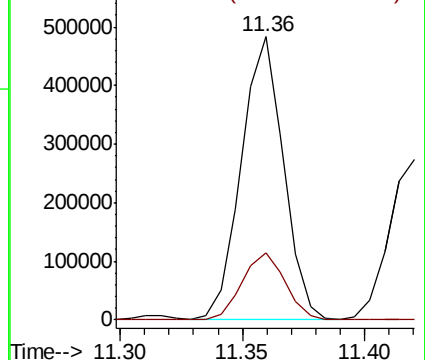
91 100

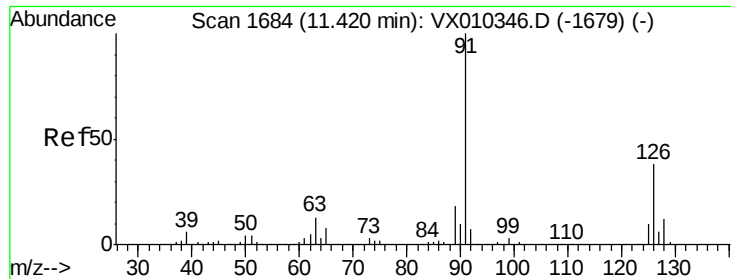
120 24.3 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

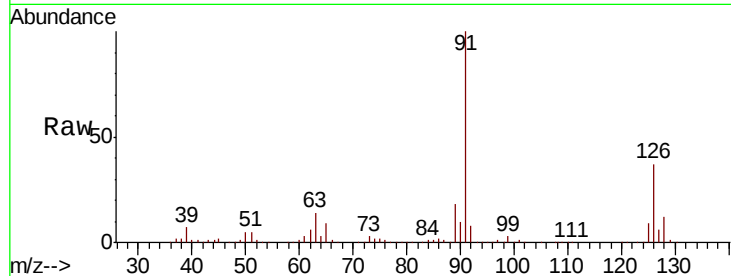




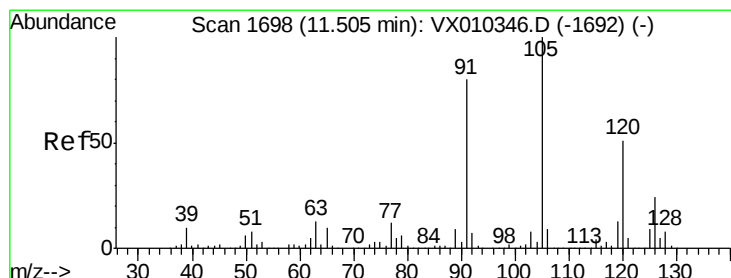
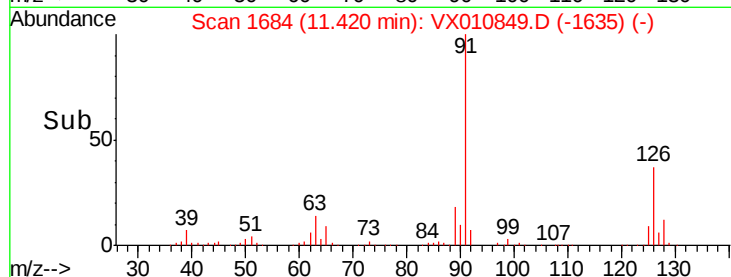
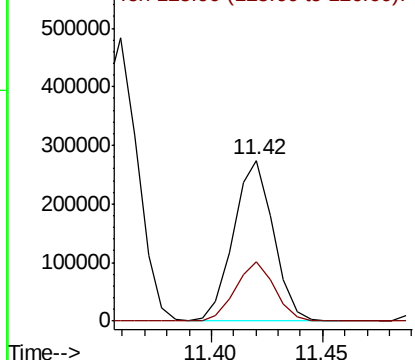
#79
2-Chlorotoluene
Concen: 43.238 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 341135
Ion Ratio Lower Upper
91 100
126 36.3 18.7 56.1

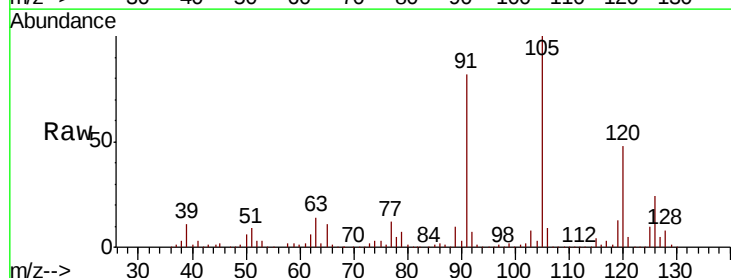


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

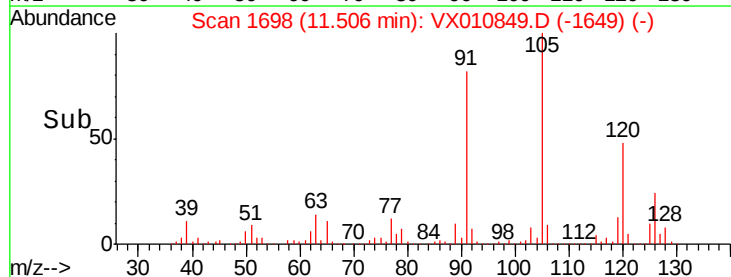
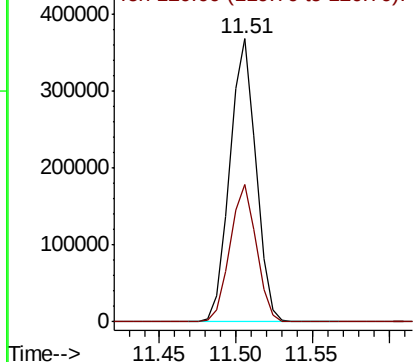


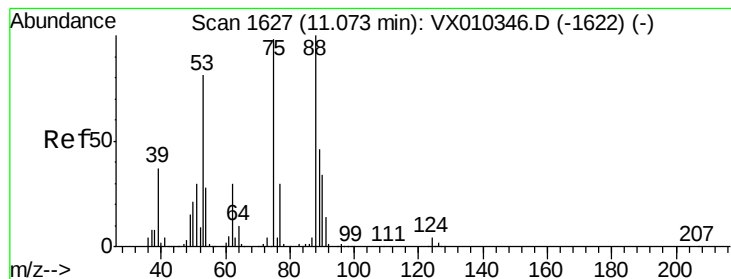
#80
1,3,5-Trimethylbenzene
Concen: 43.829 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion:105 Resp: 435581
Ion Ratio Lower Upper
105 100
120 48.7 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 35.195 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

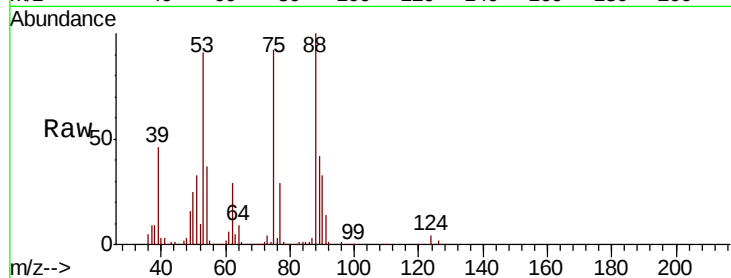
Tot Ion: 75 Resp: 48890

Ion Ratio Lower Upper

75 100

53 96.9 66.1 99.1

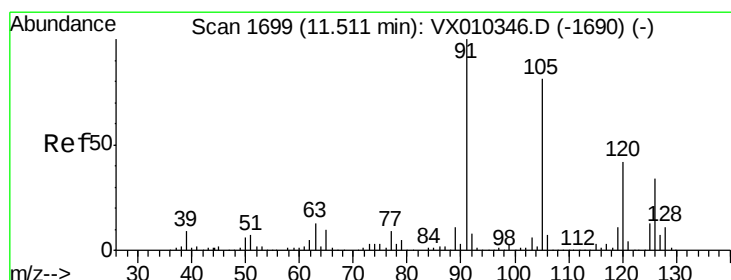
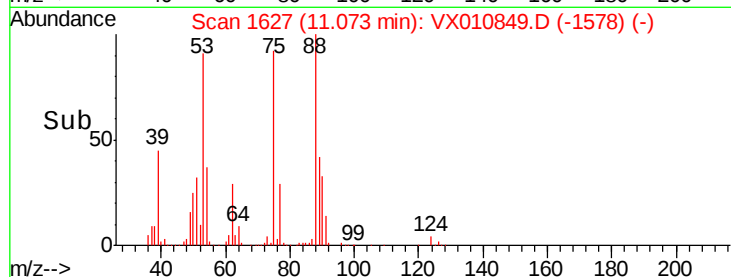
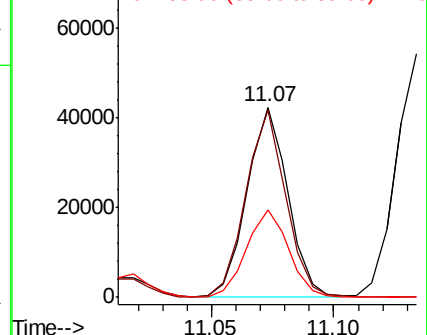
89 47.7 37.8 56.6



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: 44.500 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX010849.D

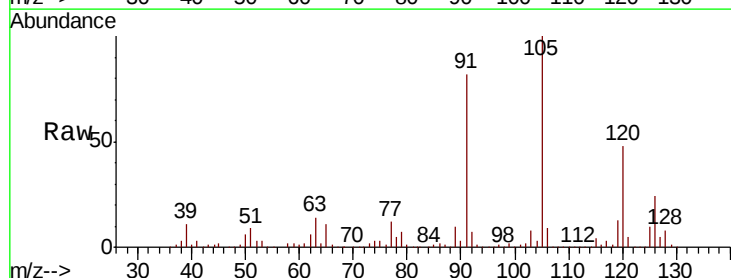
Acq: 12 Jul 2019 20:19

Tgt Ion: 91 Resp: 399508

Ion Ratio Lower Upper

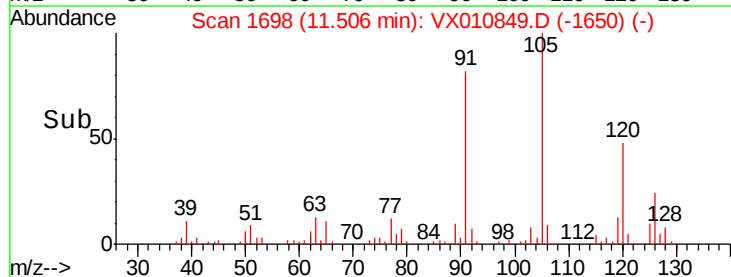
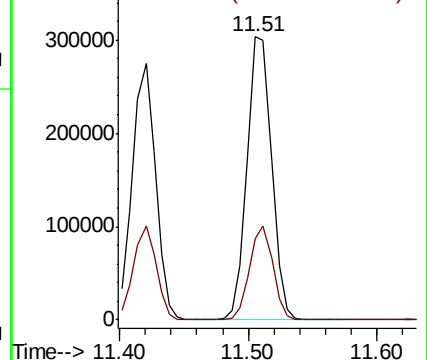
91 100

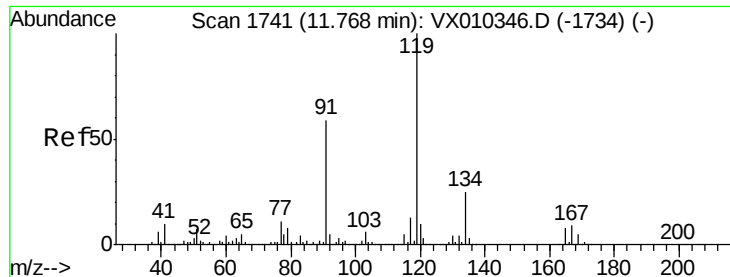
126 31.5 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

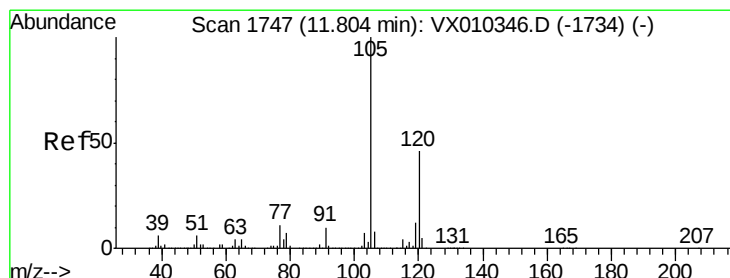
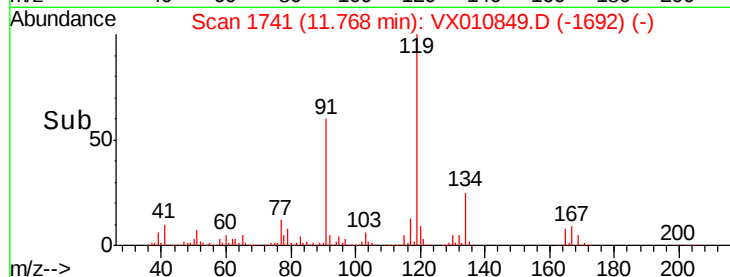
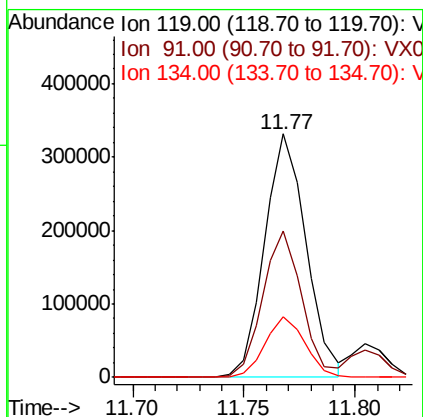
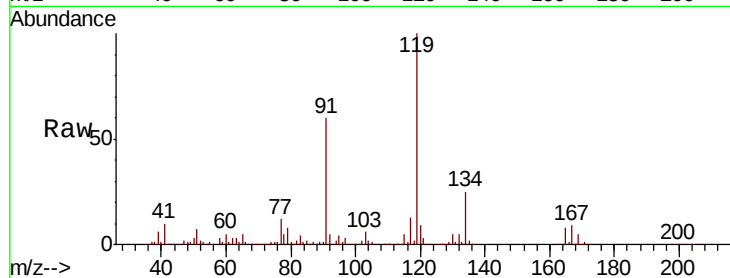




#83
tert-Butylbenzene
Concen: 43.036 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

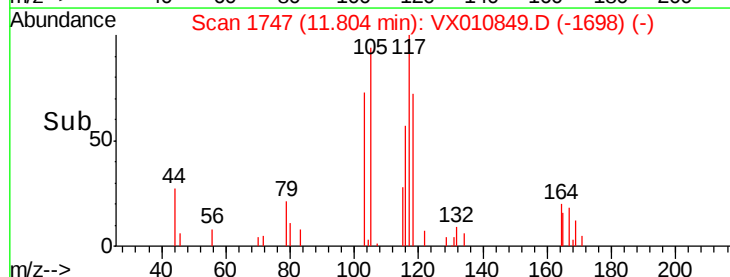
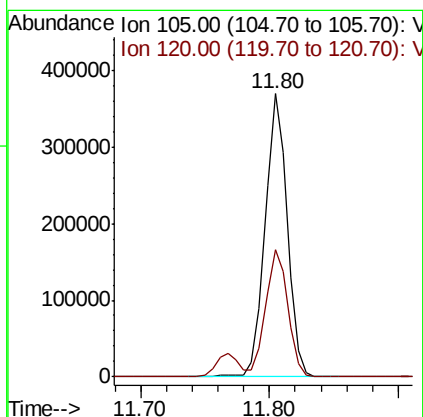
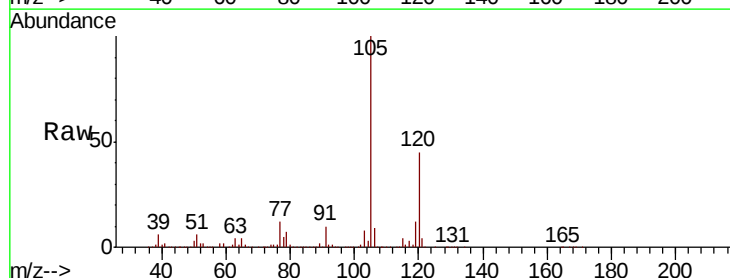
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 429278
Ion Ratio Lower Upper
119 100
91 56.7 27.6 82.7
134 23.8 11.8 35.4



#84
1,2,4-Trimethylbenzene
Concen: 44.072 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion:105 Resp: 440046
Ion Ratio Lower Upper
105 100
120 44.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 43.397 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

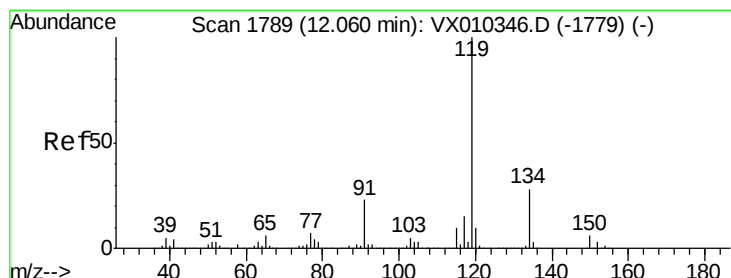
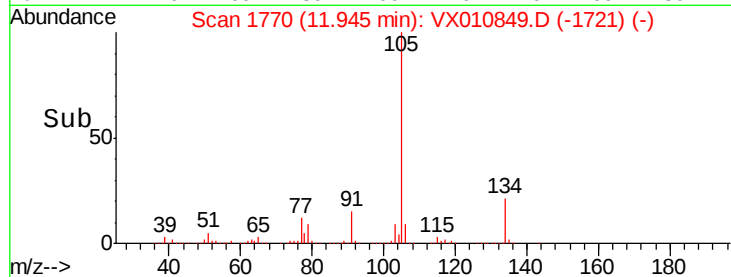
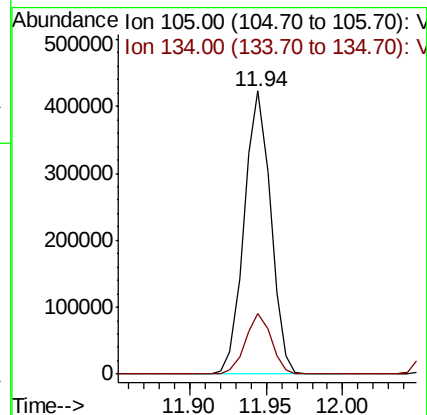
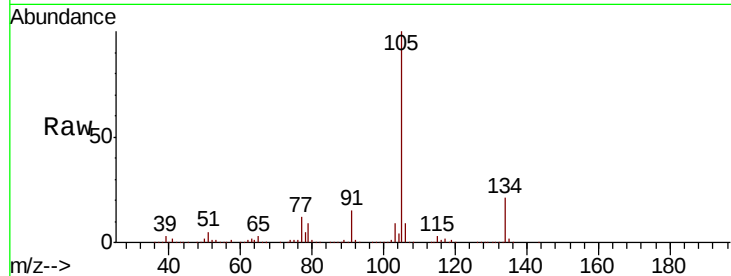
VSTDCCC050EC

Tot Ion:105 Resp: 508251

Ion Ratio Lower Upper

105 100

134 20.9 10.7 31.9



#86

p-Isopropyltoluene

Concen: 43.441 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

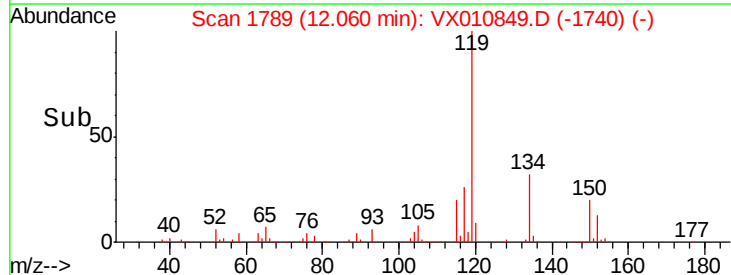
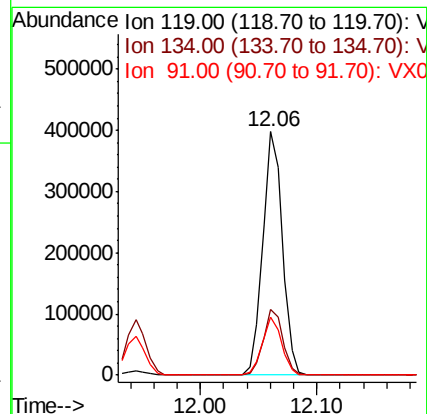
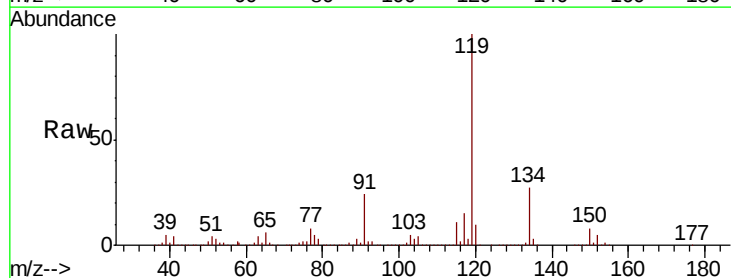
Tgt Ion:119 Resp: 470599

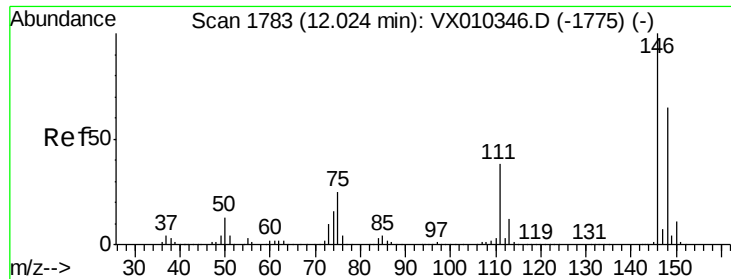
Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.1

91 23.3 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 41.934 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

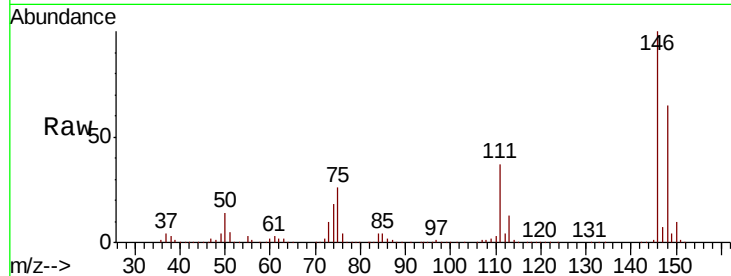
Tot Ion:146 Resp: 246400

Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.1

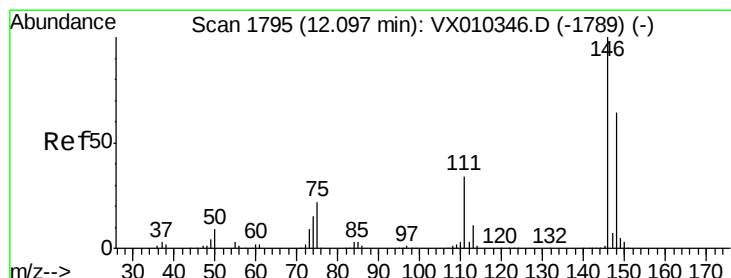
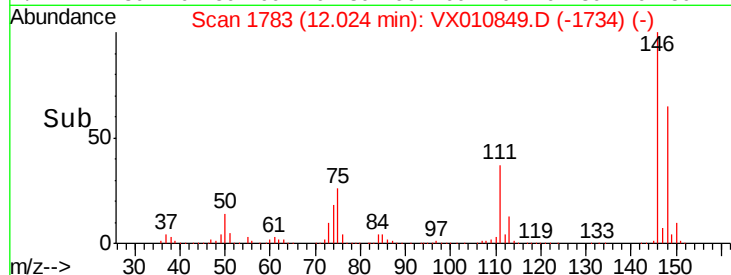
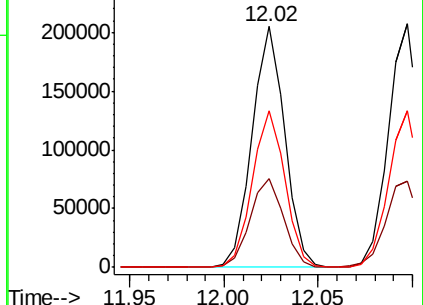
148 64.6 32.5 97.4



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



#88

1,4-Dichlorobenzene

Concen: 41.804 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

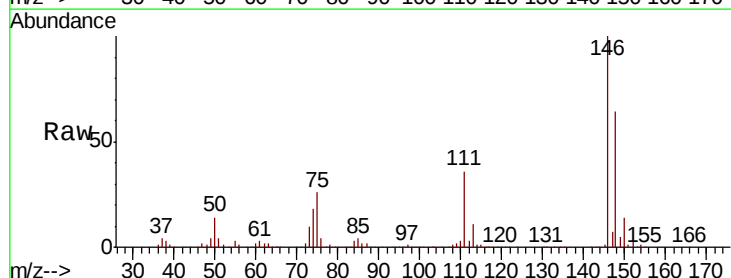
Tgt Ion:146 Resp: 250071

Ion Ratio Lower Upper

146 100

111 37.6 18.1 54.3

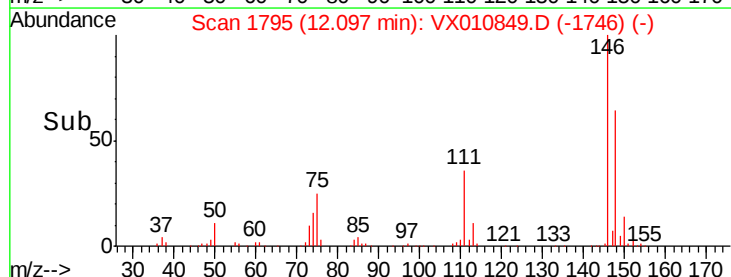
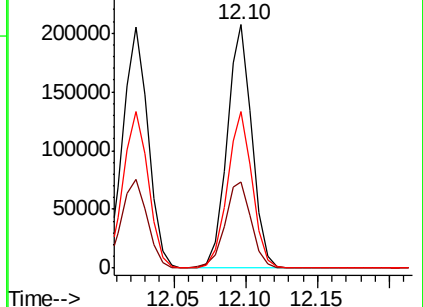
148 64.4 32.1 96.3



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

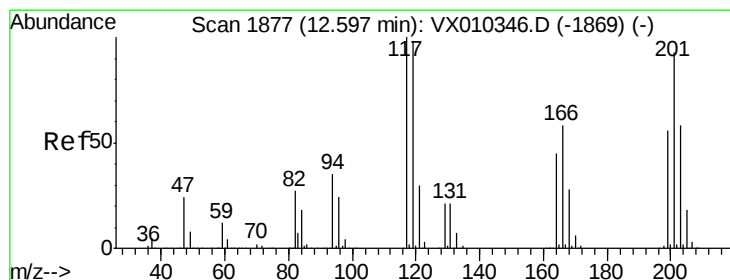
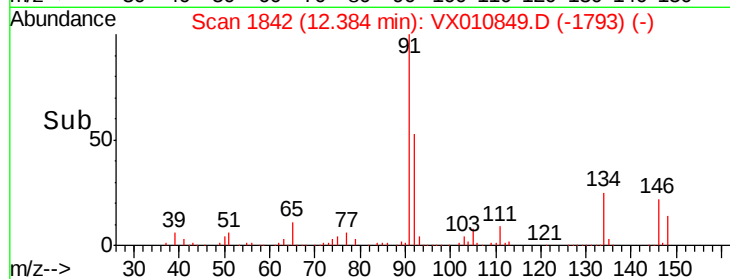
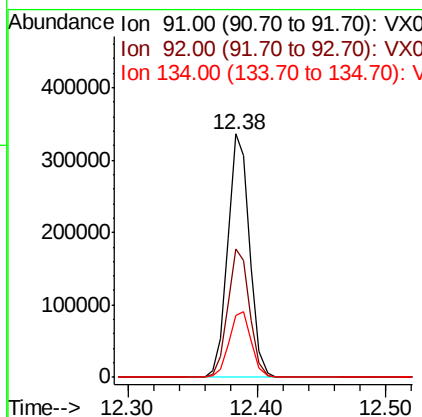
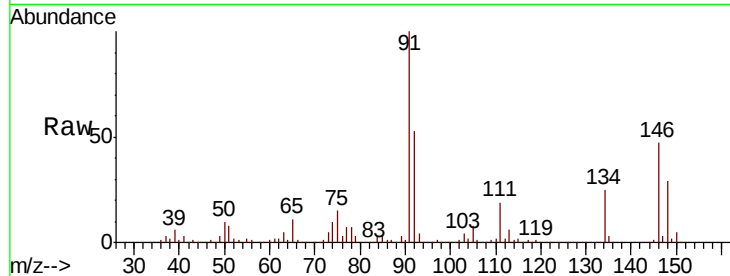




#89
n-Butylbenzene
Concen: 43.460 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

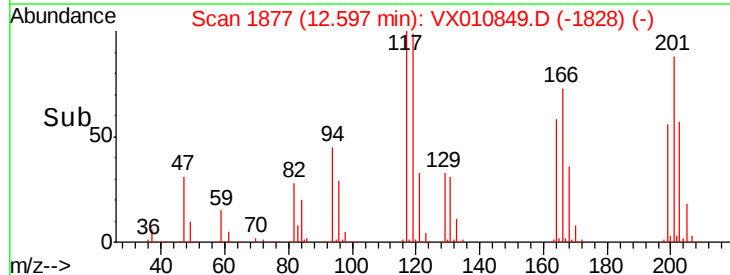
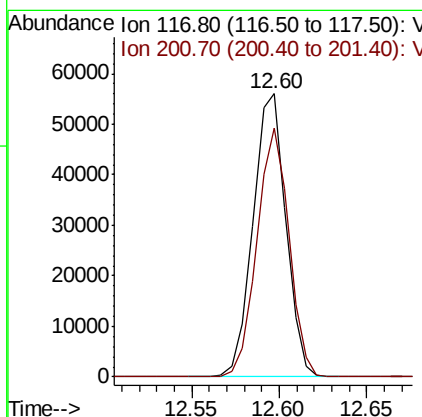
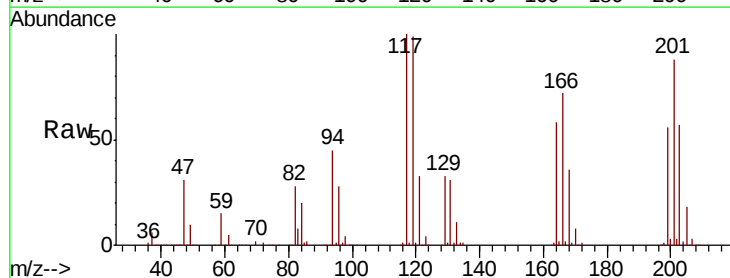
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 400066
Ion Ratio Lower Upper
91 100
92 52.7 26.2 78.5
134 27.5 14.1 42.4



#90
Hexachloroethane
Concen: 39.012 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion: 117 Resp: 73076
Ion Ratio Lower Upper
117 100
201 85.5 44.0 131.8

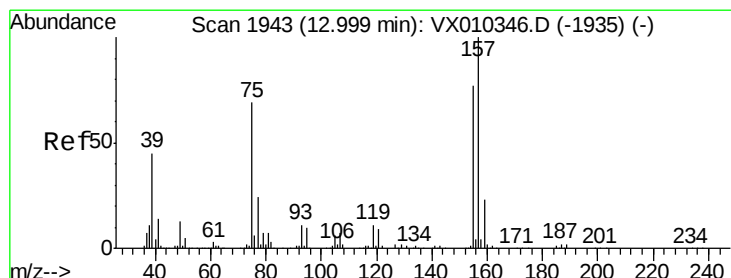
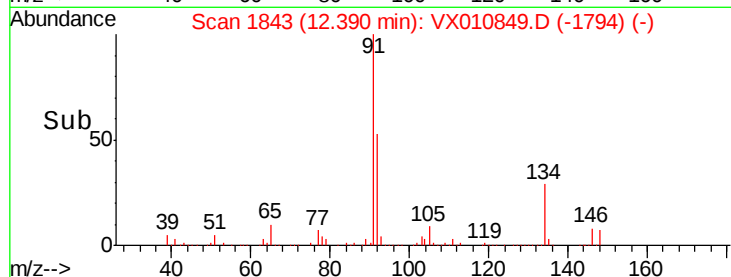
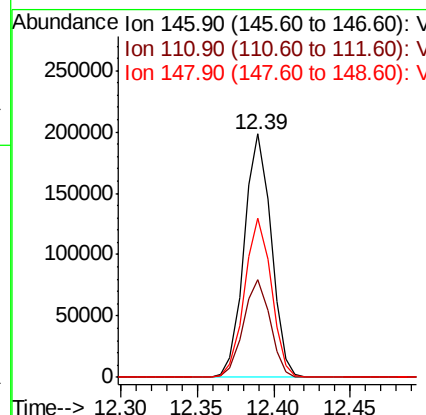
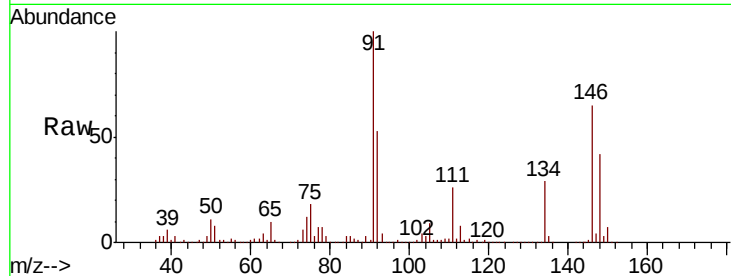




#91
 1,2-Dichlorobenzene
 Concen: 41.749 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

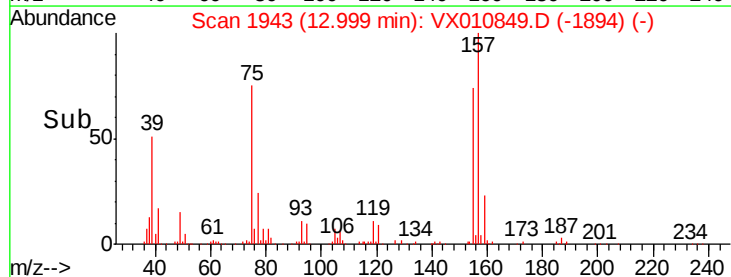
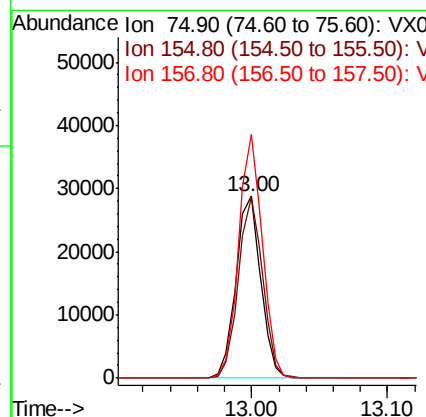
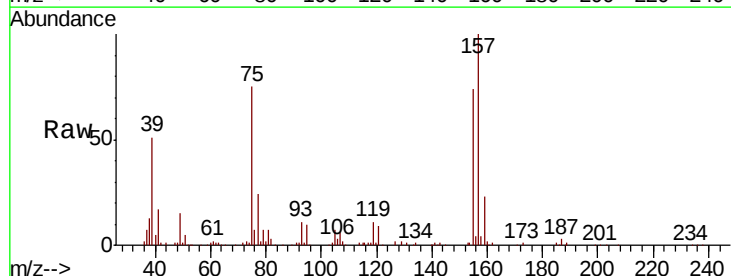
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 243812
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.2 57.6
 148 64.8 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.392 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010849.D
 Acq: 12 Jul 2019 20:19

Tgt Ion: 75 Resp: 36490
 Ion Ratio Lower Upper
 75 100
 155 97.3 54.4 163.1
 157 127.8 69.5 208.3





#93

1,2,4-Trichlorobenzene

Concen: 41.844 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

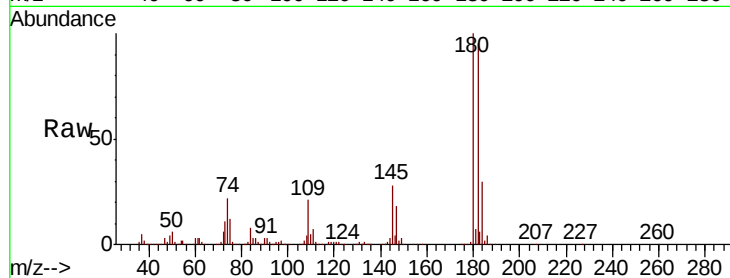
Tot Ion:180 Resp: 169465

Ion Ratio Lower Upper

180 100

182 96.1 48.0 144.0

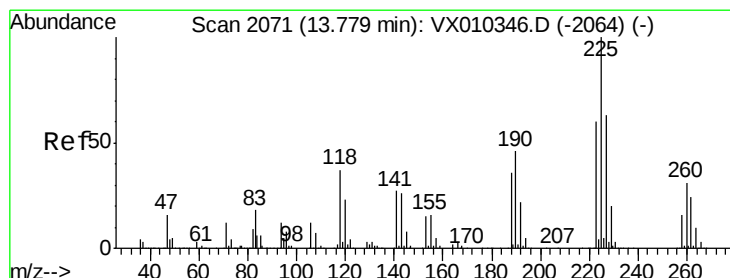
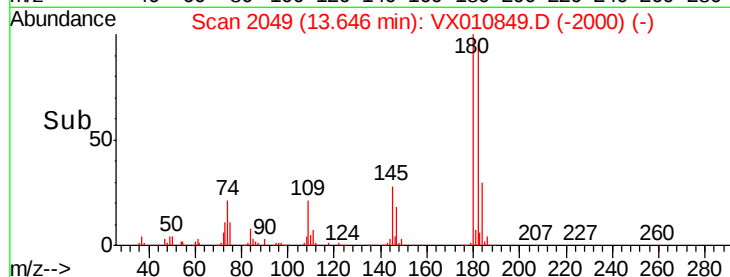
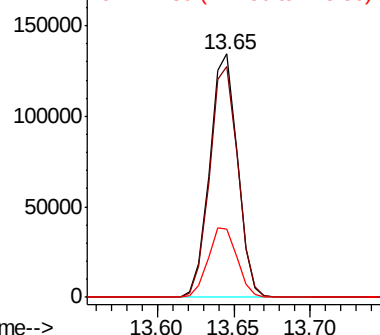
145 29.6 14.4 43.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 41.371 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010849.D

Acq: 12 Jul 2019 20:19

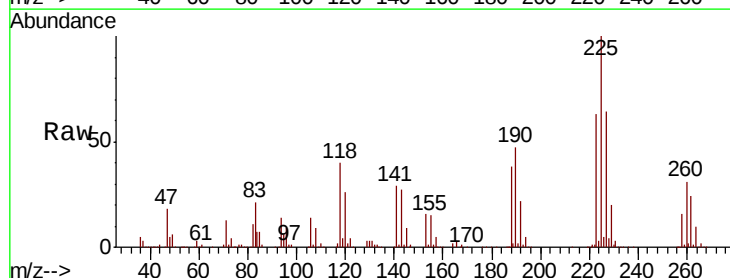
Tgt Ion:225 Resp: 81886

Ion Ratio Lower Upper

225 100

223 63.0 30.9 92.7

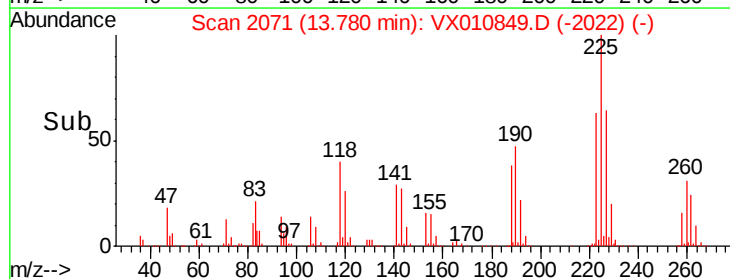
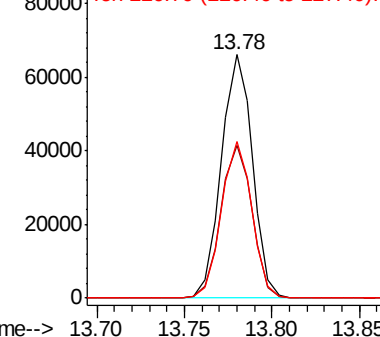
227 63.1 31.9 95.5

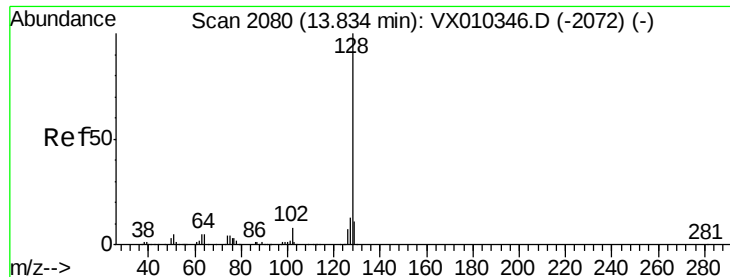


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

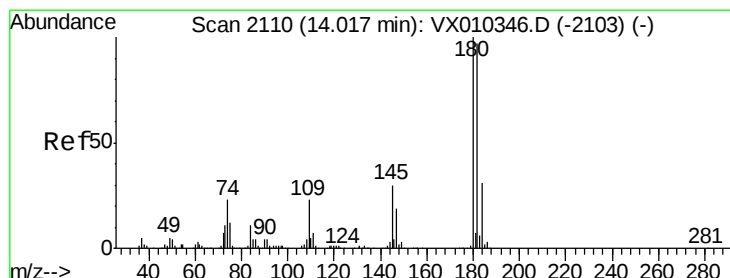
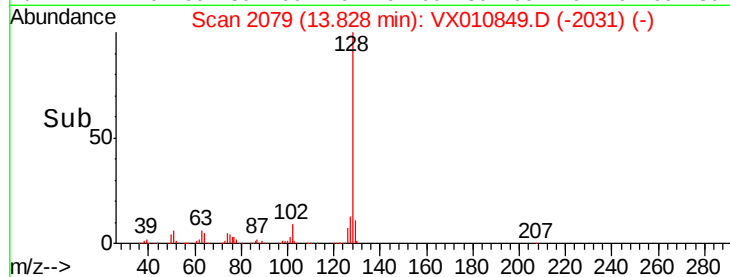
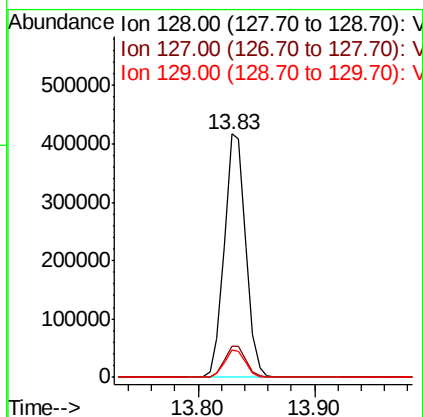
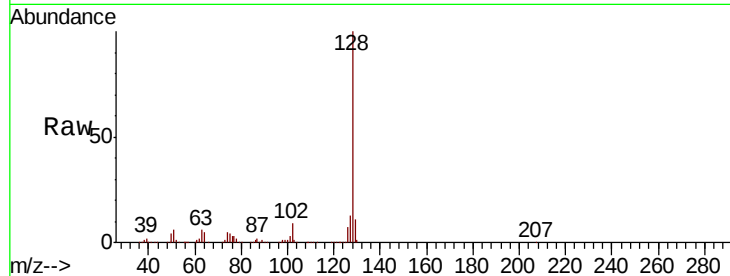




#95
Naphthalene
Concen: 42.480 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 528685
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 42.170 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010849.D
Acq: 12 Jul 2019 20:19

Tgt Ion:180 Resp: 169802
Ion Ratio Lower Upper
180 100
182 95.7 47.8 143.3
145 30.7 15.2 45.6

