

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010823.D
 Acq On : 12 Jul 2019 09:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 13 01:35:24 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	255180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	367523	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	180711	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	104852	43.82	ug/l	0.00
Spiked Amount			Recovery	=	87.64%	
35) Dibromofluoromethane	5.49	113	101856	45.30	ug/l	0.00
Spiked Amount			Recovery	=	90.60%	
50) Toluene-d8	8.71	98	367440	42.71	ug/l	0.00
Spiked Amount			Recovery	=	85.42%	
62) 4-Bromofluorobenzene	11.13	95	140413	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	89908	50.679	ug/l	100
3) Chloromethane	1.32	50	90789	43.948	ug/l	98
4) Vinyl Chloride	1.41	62	97926	43.279	ug/l	97
5) Bromomethane	1.64	94	47741	43.309	ug/l	98
6) Chloroethane	1.71	64	66454	49.780	ug/l	97
7) Trichlorofluoromethane	1.93	101	172364	48.054	ug/l	98
8) Diethyl Ether	2.19	74	60830	47.290	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	101540	46.713	ug/l	98
10) Methyl Iodide	2.51	142	102876	33.163	ug/l	97
11) Tert butyl alcohol	3.05	59	111720	178.450	ug/l	98
12) 1,1-Dichloroethene	2.37	96	99241	44.868	ug/l	99
13) Acrolein	2.29	56	80922	194.847	ug/l	97
14) Allyl chloride	2.73	41	142243	45.298	ug/l	97
15) Acrylonitrile	3.14	53	274692	221.611	ug/l	99
16) Acetone	2.44	43	302717	252.457	ug/l	98
17) Carbon Disulfide	2.57	76	239113	40.295	ug/l	100
18) Methyl Acetate	2.77	43	106744	44.666	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	316255	45.450	ug/l	100
20) Methylene Chloride	2.85	84	111662	45.250	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	104563	43.955	ug/l	98
22) Diisopropyl ether	3.85	45	306020	46.611	ug/l	93
23) Vinyl Acetate	3.81	43	1341516	236.524	ug/l	99
24) 1,1-Dichloroethane	3.70	63	173639	45.754	ug/l	98
25) 2-Butanone	4.67	43	408411	232.197	ug/l	99
26) 2,2-Dichloropropane	4.58	77	145540	44.147	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	122646	44.615	ug/l	98
28) Bromochloromethane	5.01	49	76958	42.413	ug/l	93
29) Tetrahydrofuran	5.12	42	236266	216.862	ug/l	99
30) Chloroform	5.21	83	185787	45.500	ug/l	97
31) Cyclohexane	5.57	56	157717	45.637	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	163752	45.417	ug/l	99
36) 1,1-Dichloropropene	5.80	75	136851	46.858	ug/l	98
37) Ethyl Acetate	4.83	43	139866	46.552	ug/l	99
38) Carbon Tetrachloride	5.78	117	145716	46.075	ug/l	99

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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	179255	46.694	ug/l	96
40) Benzene	6.14	78	418970	46.046	ug/l	98
41) Methacrylonitrile	5.04	41	77043	46.734	ug/l	98
42) 1,2-Dichloroethane	6.19	62	139756	50.459	ug/l	98
43) Isopropyl Acetate	6.44	43	231269	46.524	ug/l	97
44) Trichloroethene	7.21	130	123480	45.353	ug/l	97
45) 1,2-Dichloropropane	7.51	63	106124	46.187	ug/l	100
46) Dibromomethane	7.66	93	77110	46.774	ug/l	96
47) Bromodichloromethane	7.90	83	140944	46.652	ug/l	100
48) Methyl methacrylate	7.76	41	110546	47.844	ug/l	98
49) 1,4-Dioxane	7.73	88	57629	865.801	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	761621	239.562	ug/l	98
52) Toluene	8.78	92	276427	46.133	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	154975	45.753	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	171573	46.612	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	114867	46.482	ug/l	100
56) Ethyl methacrylate	9.18	69	176257	47.083	ug/l	96
57) 1,3-Dichloropropane	9.37	76	181422	47.294	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	377749	212.468	ug/l	99
59) 2-Hexanone	9.49	43	614869	245.735	ug/l	97
60) Dibromochloromethane	9.58	129	126344	45.662	ug/l	99
61) 1,2-Dibromoethane	9.67	107	123738	46.389	ug/l	100
64) Tetrachloroethene	9.34	164	119386	43.790	ug/l	97
65) Chlorobenzene	10.13	112	316142	46.198	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	116461	46.721	ug/l	99
67) Ethyl Benzene	10.25	91	545389	47.208	ug/l	100
68) m/p-Xylenes	10.35	106	426819	95.347	ug/l	99
69) o-Xylene	10.69	106	206790	46.974	ug/l	99
70) Styrene	10.71	104	353924	47.940	ug/l	98
71) Bromoform	10.85	173	97112	44.800	ug/l	100
73) Isopropylbenzene	11.02	105	556813	45.454	ug/l	98
74) N-amyl acetate	10.90	43	219140	47.335	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	181519	44.744	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	198946	60.414	ug/l	79
77) Bromobenzene	11.25	156	151745	44.363	ug/l	98
78) n-propylbenzene	11.36	91	637798	47.373	ug/l	98
79) 2-Chlorotoluene	11.42	91	368252	45.934	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	473911	46.928	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	55320	39.191	ug/l	92
82) 4-Chlorotoluene	11.51	91	433579	47.528	ug/l	99
83) tert-Butylbenzene	11.77	119	467156	46.089	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	482044	47.511	ug/l	100
85) sec-Butylbenzene	11.94	105	560515	47.099	ug/l	99
86) p-Isopropyltoluene	12.06	119	526735	47.851	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	276389	46.290	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	273220	44.948	ug/l	99
89) n-Butylbenzene	12.38	91	458759	49.044	ug/l	99
90) Hexachloroethane	12.59	117	83799	44.026	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	268480	45.243	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37117	42.435	ug/l	91

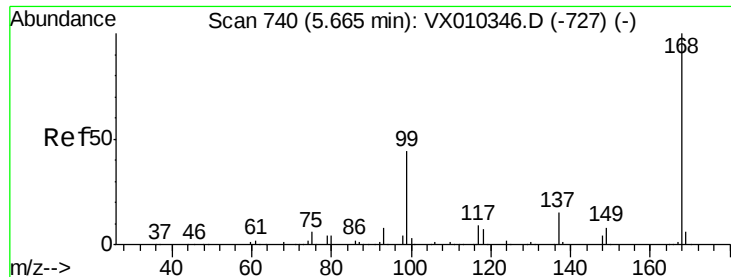
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	190918	46.393	ug/l	99
94) Hexachlorobutadiene	13.78	225	93099	46.288	ug/l	99
95) Naphthalene	13.83	128	565334	44.703	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	189571	46.331	ug/l	98

(#) = 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: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

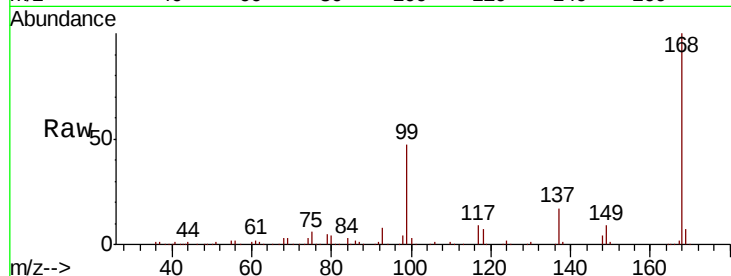
VSTDCCC050

Tot Ion:168 Resp: 255180

Ion Ratio Lower Upper

168 100

99 47.3 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

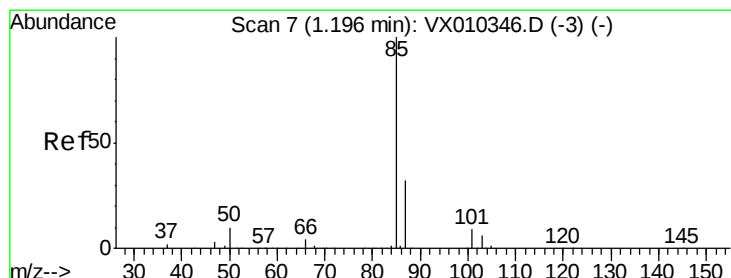
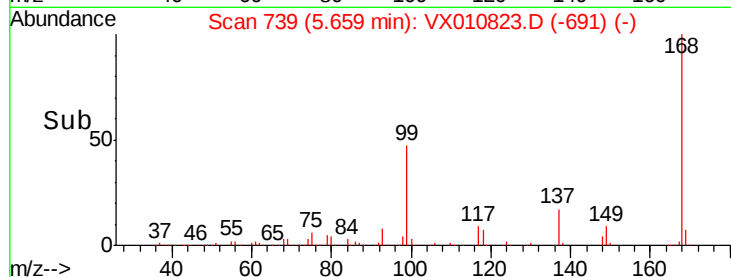
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.679 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010823.D

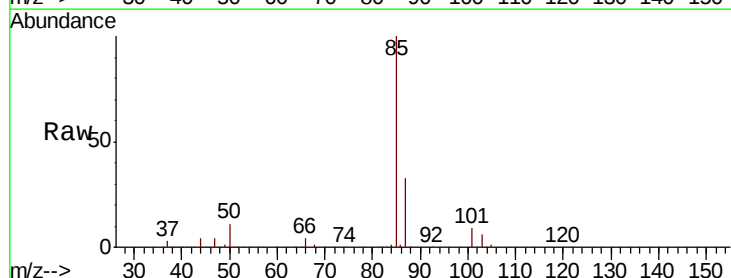
Acq: 12 Jul 2019 09:41

Tgt Ion: 85 Resp: 89908

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

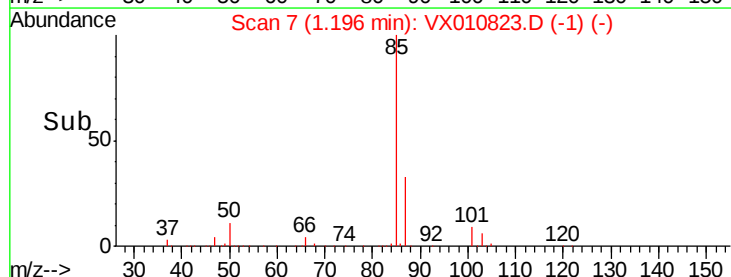
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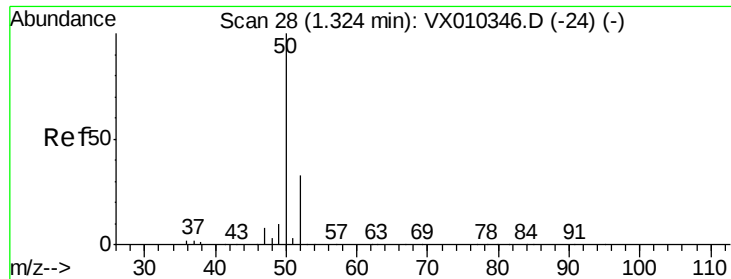
40000

20000

0

Time-->





#3

Chloromethane

Concen: 43.948 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

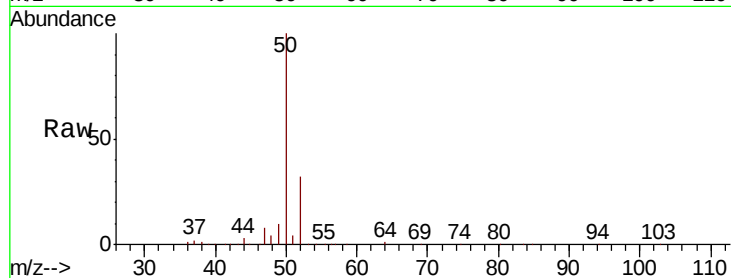
VSTDCCC050

Tot Ion: 50 Resp: 90789

Ion Ratio Lower Upper

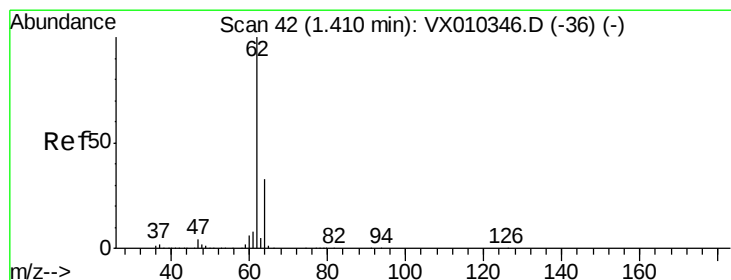
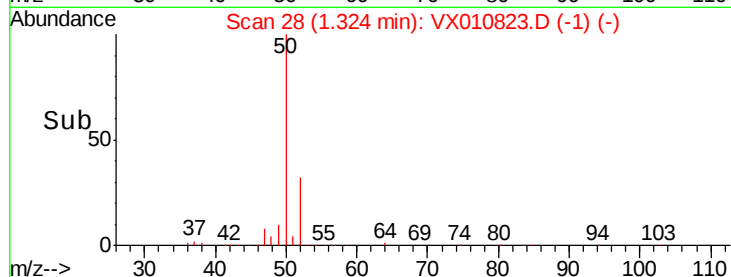
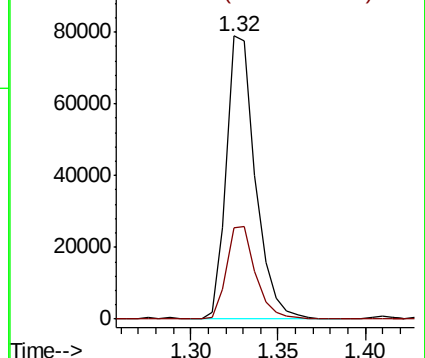
50 100

52 32.2 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: 43.279 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010823.D

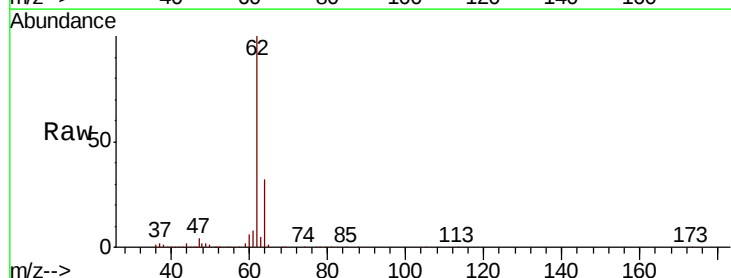
Acq: 12 Jul 2019 09:41

Tgt Ion: 62 Resp: 97926

Ion Ratio Lower Upper

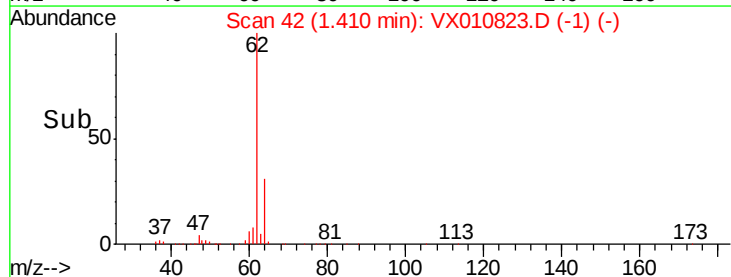
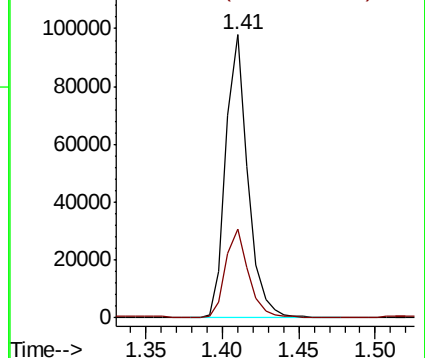
62 100

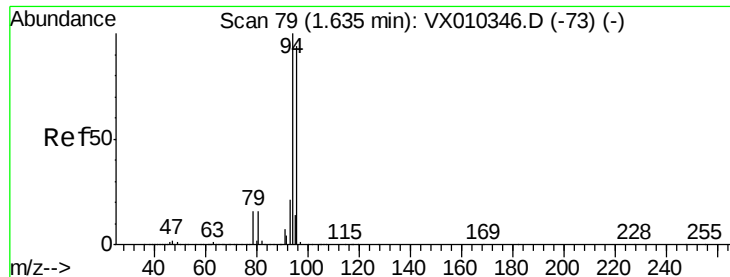
64 31.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 43.309 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

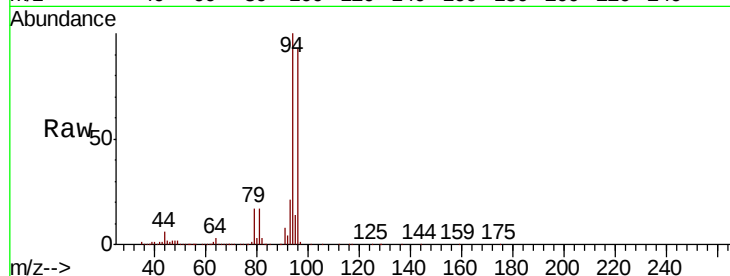
VSTDCCC050

Tot Ion: 94 Resp: 47741

Ion Ratio Lower Upper

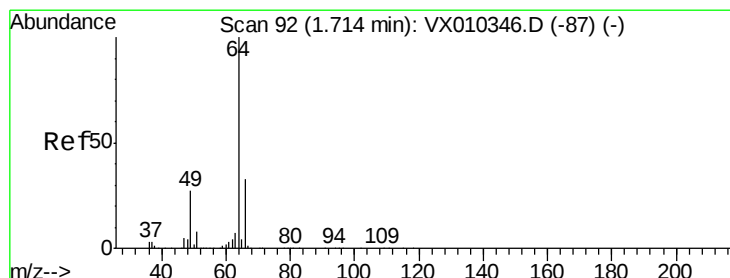
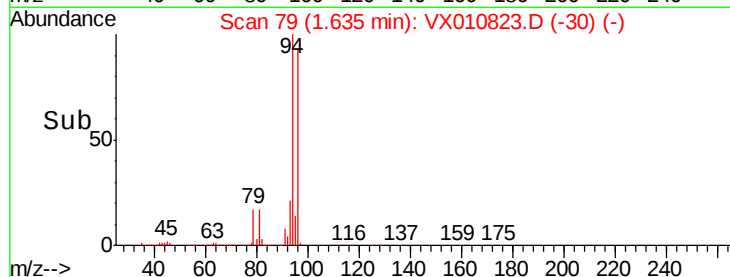
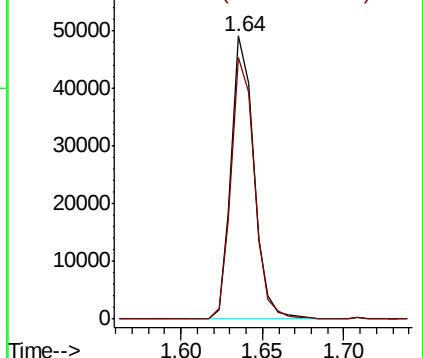
94 100

96 92.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.780 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010823.D

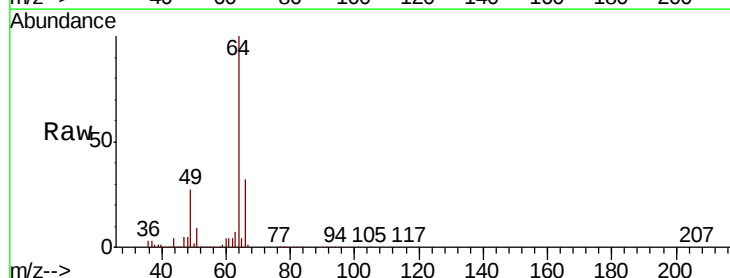
Acq: 12 Jul 2019 09:41

Tgt Ion: 64 Resp: 66454

Ion Ratio Lower Upper

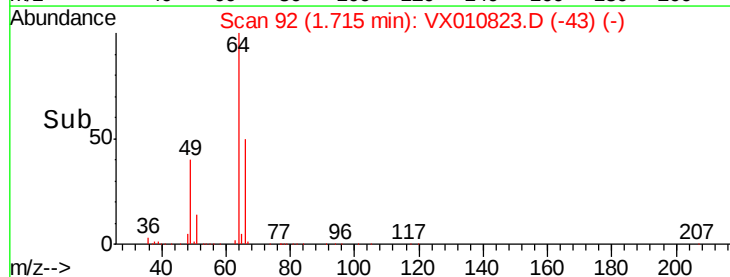
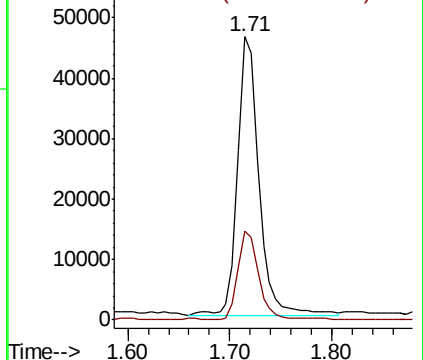
64 100

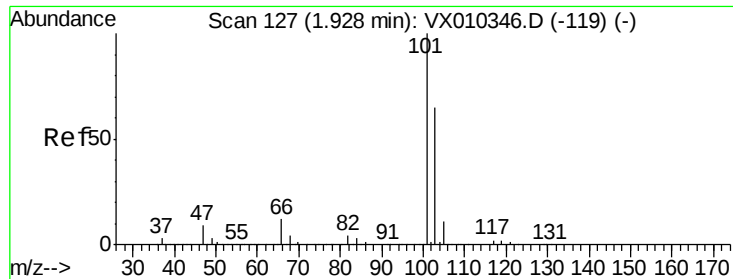
66 31.7 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



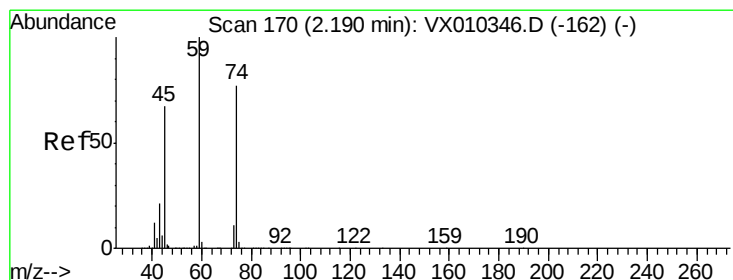
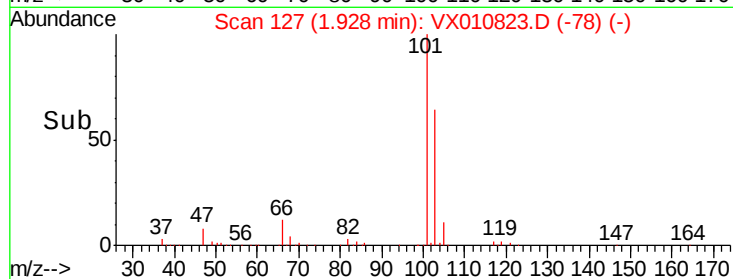
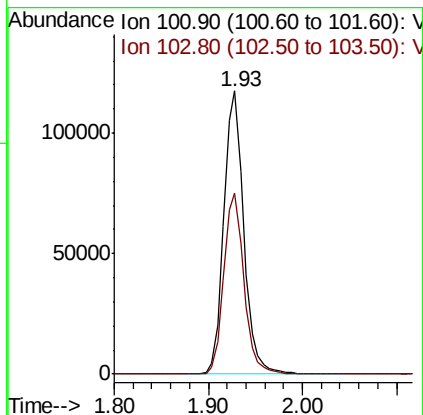
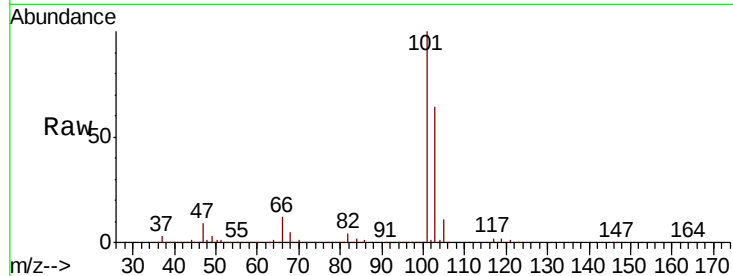


#7

Trichlorofluoromethane
Concen: 48.054 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

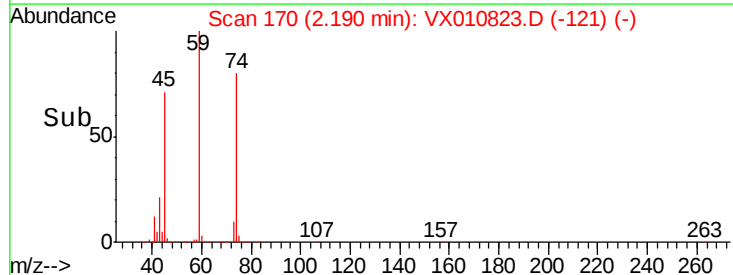
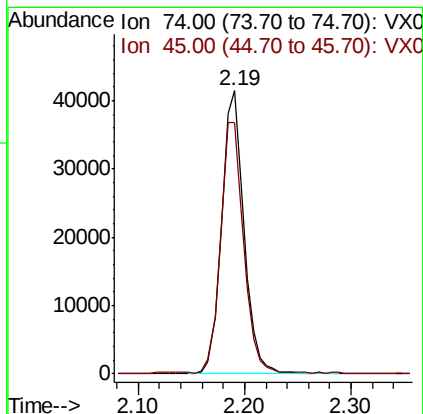
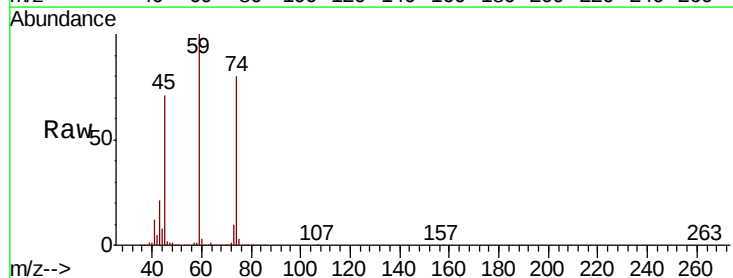
Tot Ion:101 Resp: 172364
Ion Ratio Lower Upper
101 100
103 64.0 52.3 78.5



#8

Diethyl Ether
Concen: 47.290 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 74 Resp: 60830
Ion Ratio Lower Upper
74 100
45 91.1 44.8 134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.713 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

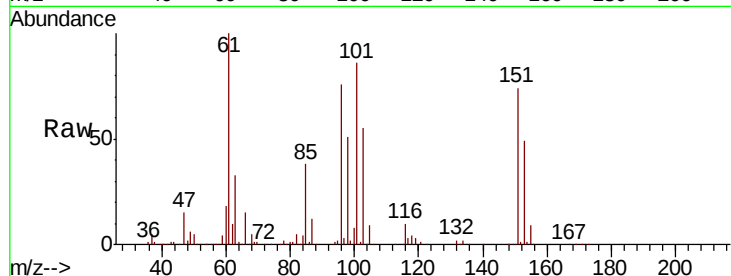
Tot Ion:101 Resp: 101540

Ion Ratio Lower Upper

101 100

85 43.0 33.7 50.5

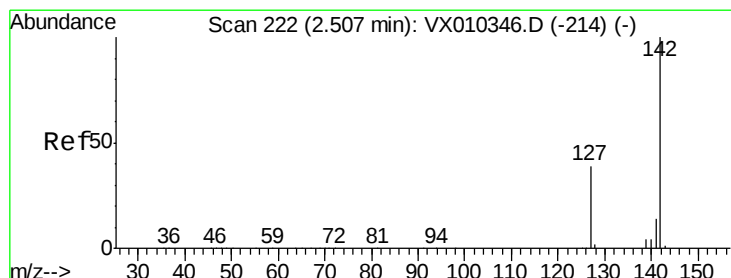
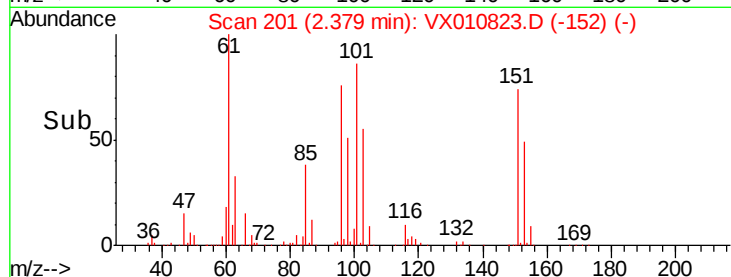
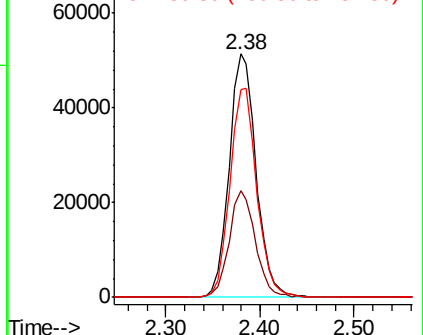
151 86.1 70.1 105.1



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: 33.163 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

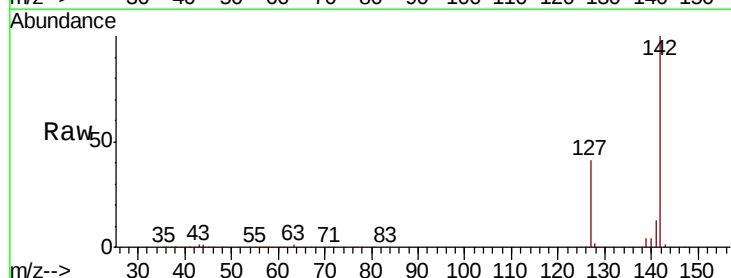
Tgt Ion:142 Resp: 102876

Ion Ratio Lower Upper

142 100

127 41.0 31.1 46.7

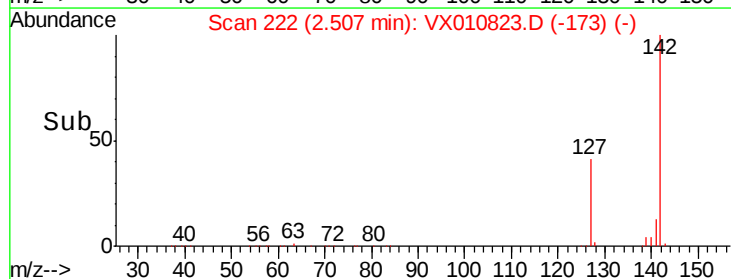
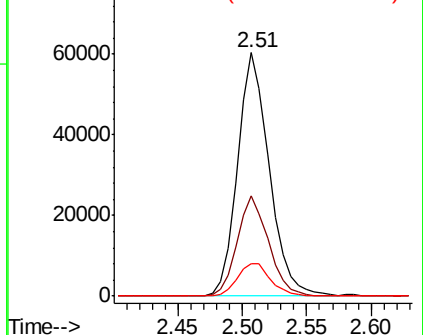
141 14.3 11.2 16.8

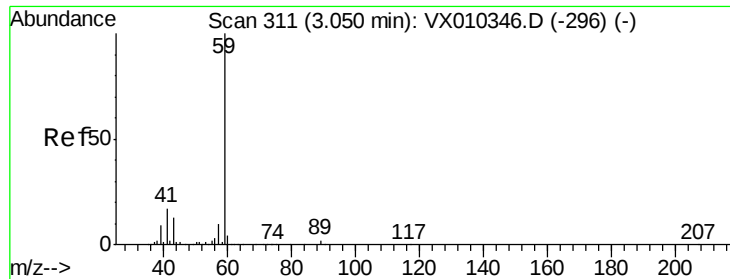


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

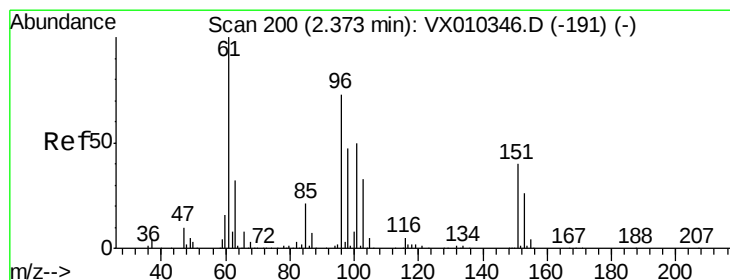
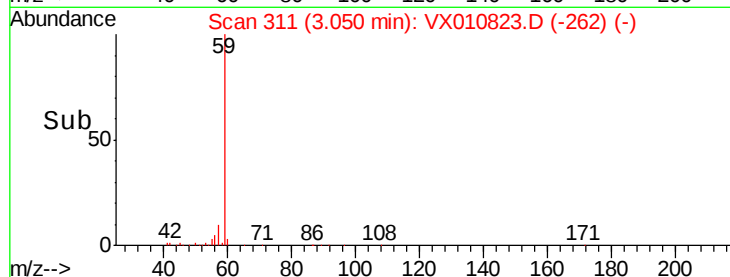
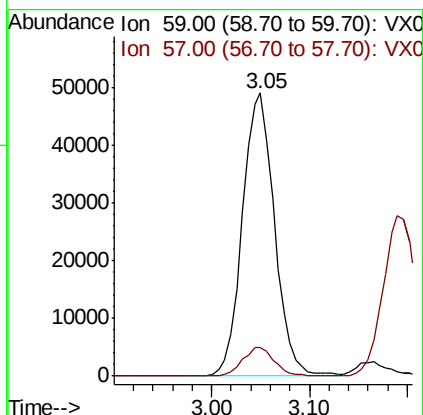
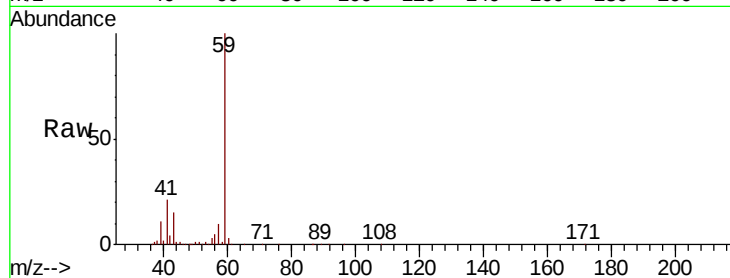




#11
Tert butyl alcohol
Concen: 178.450 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

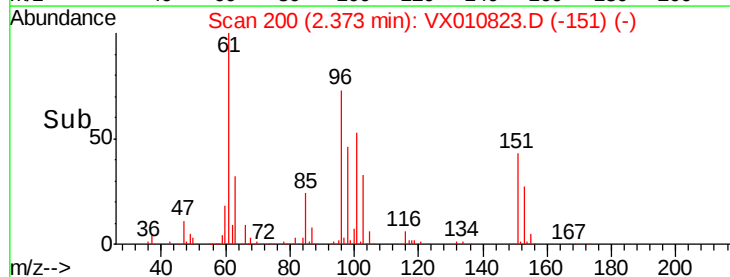
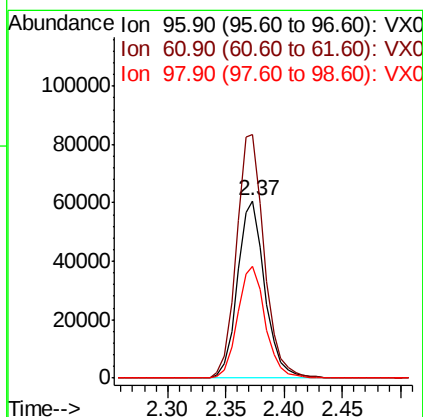
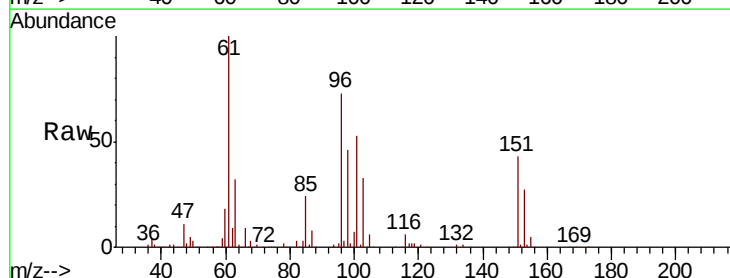
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 59 Resp: 111720
Ion Ratio Lower Upper
59 100
57 10.2 7.7 11.5



#12
1,1-Dichloroethene
Concen: 44.868 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 96 Resp: 99241
Ion Ratio Lower Upper
96 100
61 137.4 109.2 163.8
98 62.8 51.1 76.7





#13

Acrolein

Concen: 194.847 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

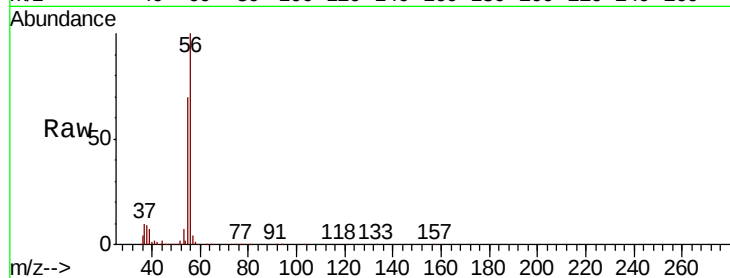
VSTDCCC050

Tot Ion: 56 Resp: 80922

Ion Ratio Lower Upper

56 100

55 68.8 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

60000

50000

40000

30000

20000

10000

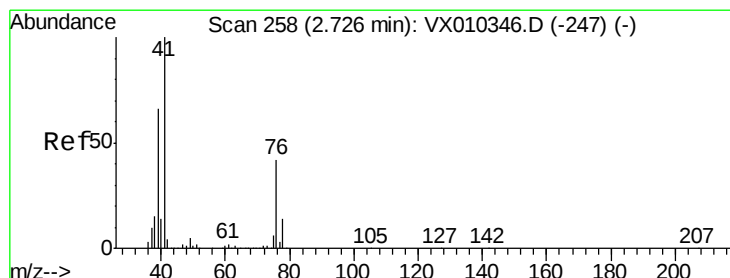
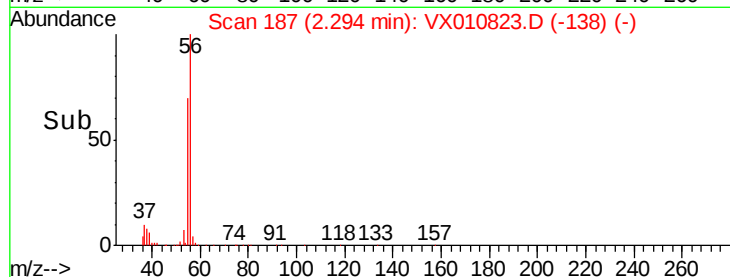
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 45.298 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

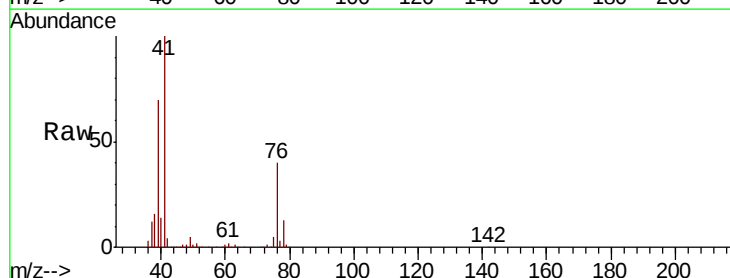
Tgt Ion: 41 Resp: 142243

Ion Ratio Lower Upper

41 100

39 65.9 50.3 75.5

76 38.5 31.3 46.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

100000

80000

60000

40000

20000

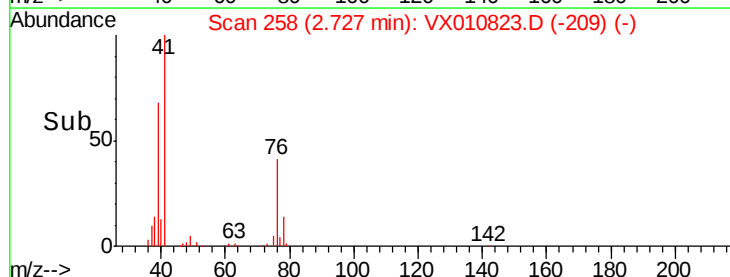
0

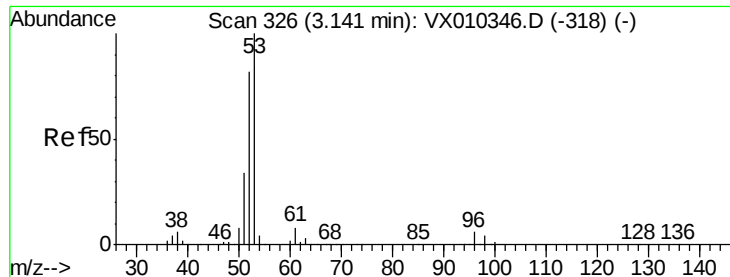
Time-->

2.60

2.70

2.80





#15

Acrylonitrile

Concen: 221.611 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

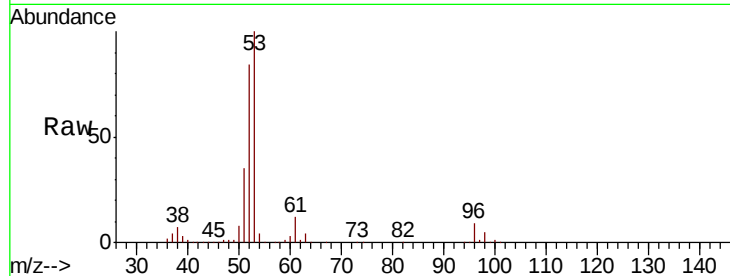
Tot Ion: 53 Resp: 274692

Ion Ratio Lower Upper

53 100

52 83.0 65.5 98.3

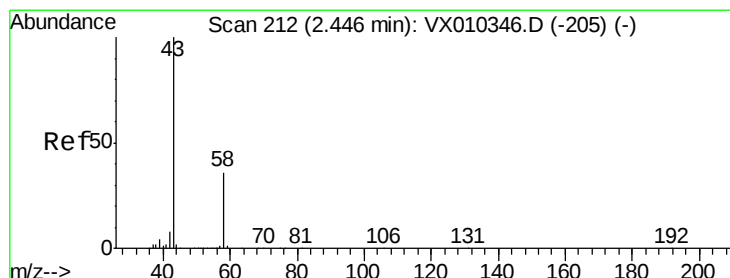
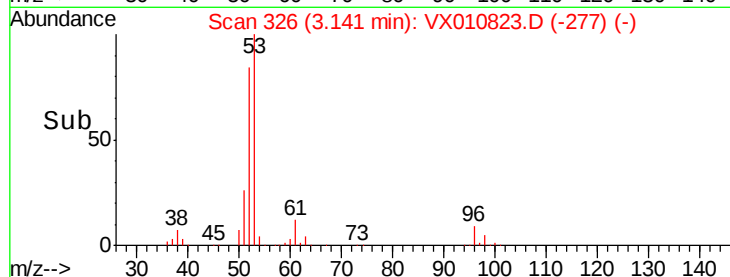
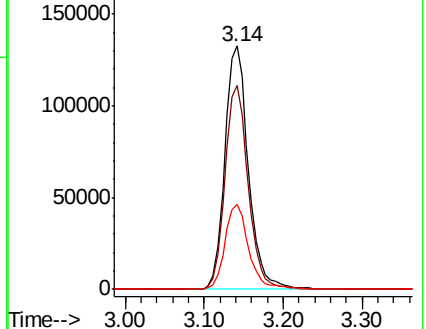
51 35.1 28.2 42.4



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: 252.457 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010823.D

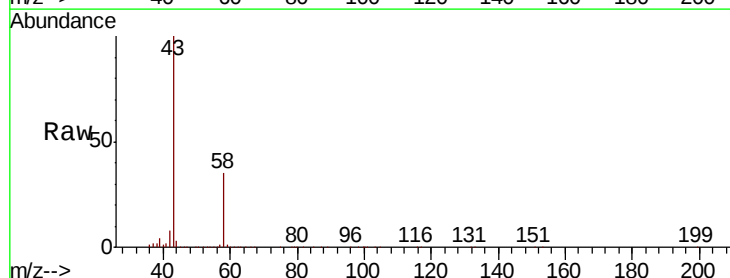
Acq: 12 Jul 2019 09:41

Tgt Ion: 43 Resp: 302717

Ion Ratio Lower Upper

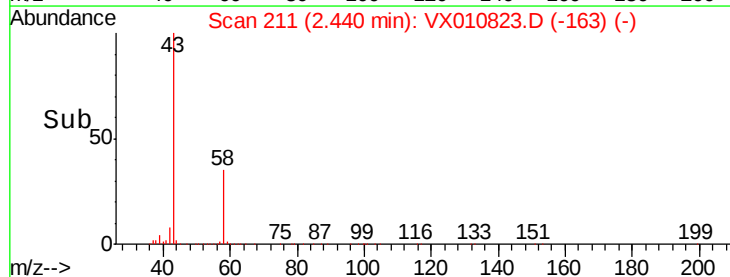
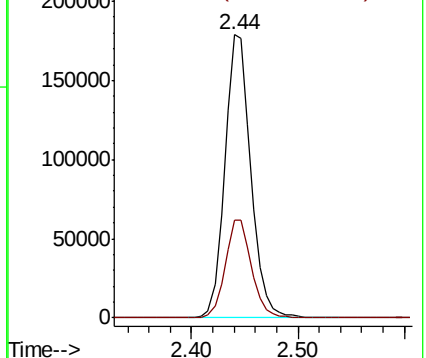
43 100

58 34.7 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

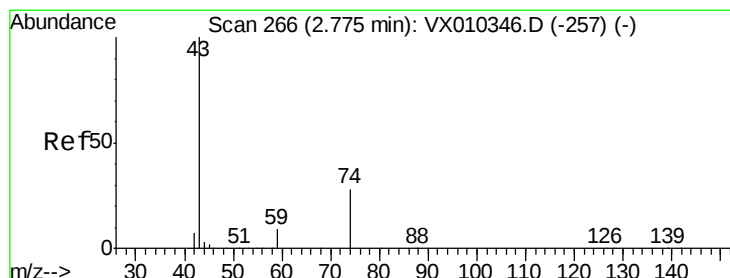
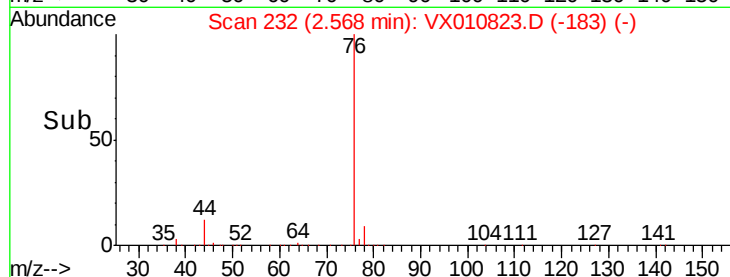
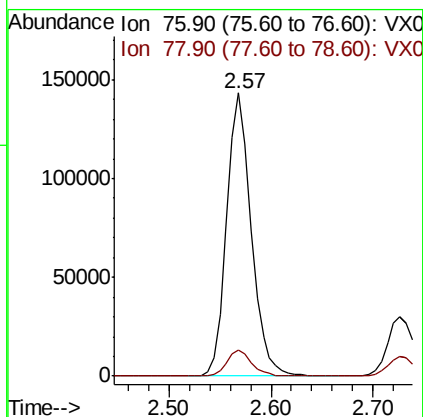
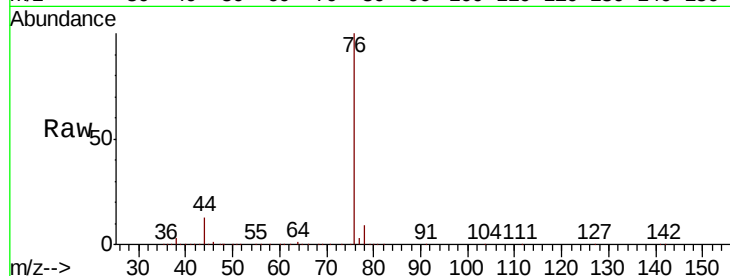




#17
Carbon Disulfide
Concen: 40.295 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

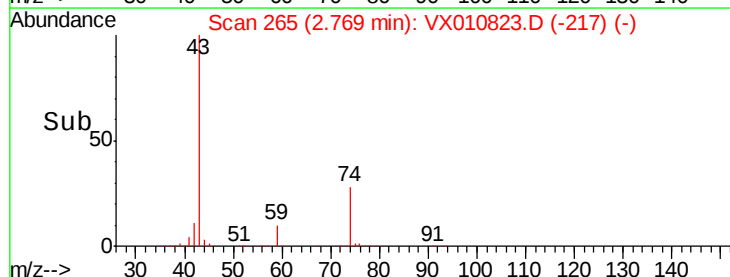
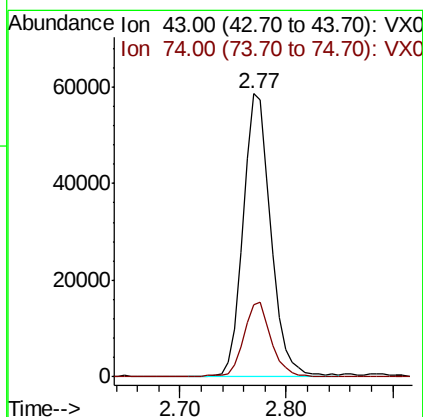
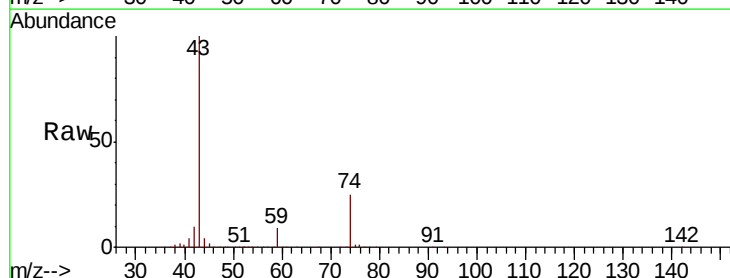
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

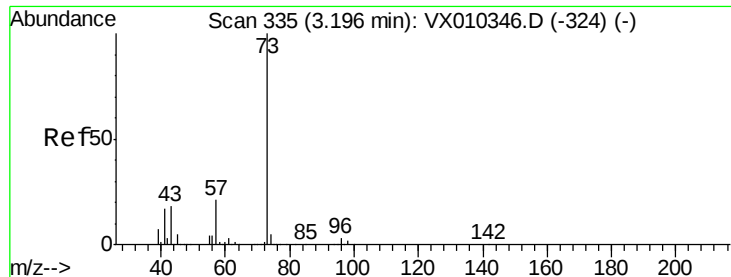
Tot Ion: 76 Resp: 239113
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 44.666 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 43 Resp: 106744
Ion Ratio Lower Upper
43 100
74 26.5 21.3 31.9

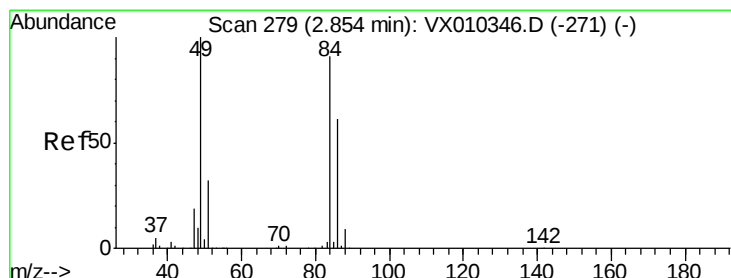
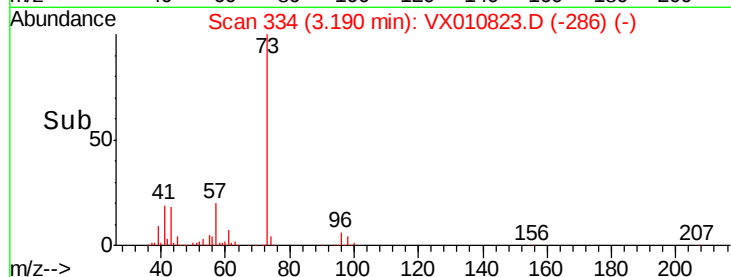
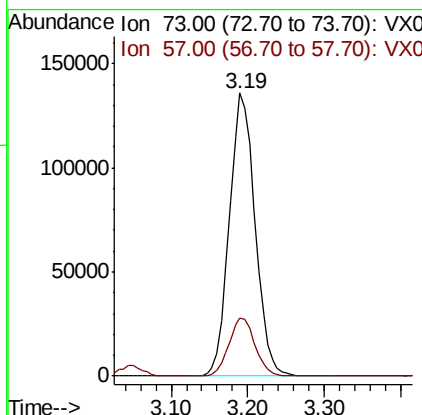
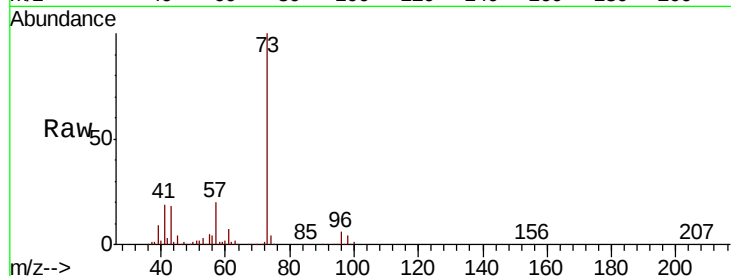




#19
Methyl tert-butyl Ether
Concen: 45.450 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

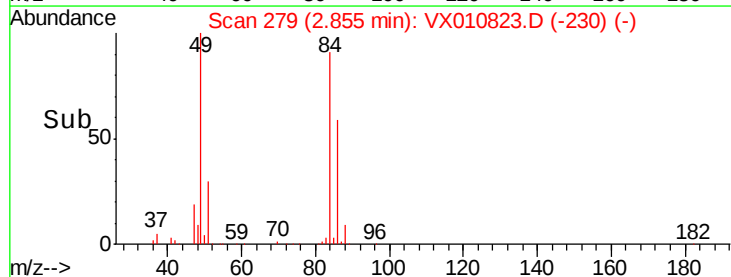
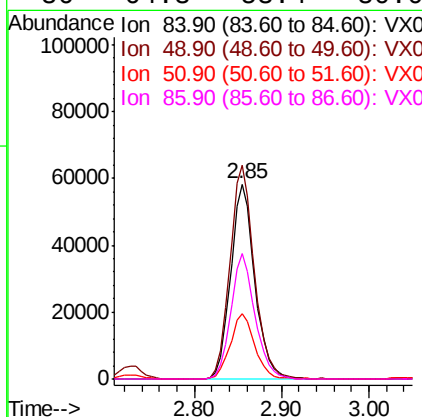
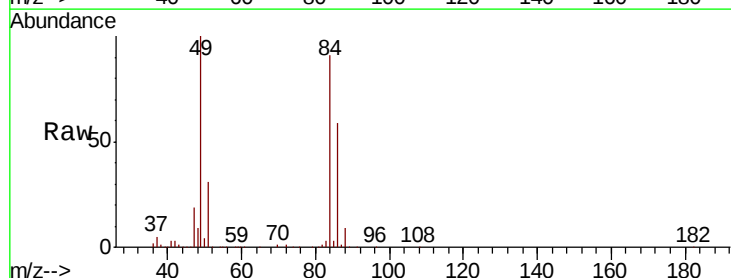
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

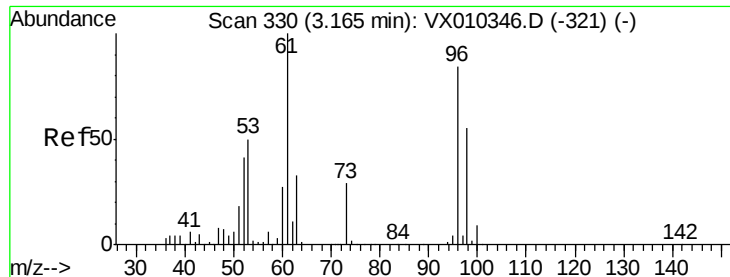
Tot Ion: 73 Resp: 316255
Ion Ratio Lower Upper
73 100
57 20.4 16.4 24.6



#20
Methylene Chloride
Concen: 45.250 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 84 Resp: 111662
Ion Ratio Lower Upper
84 100
49 109.3 87.5 131.3
51 33.4 27.7 41.5
86 64.3 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 43.955 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

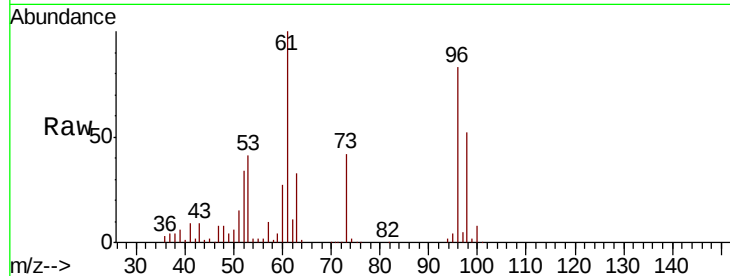
Tot Ion: 96 Resp: 104563

Ion Ratio Lower Upper

96 100

61 119.9 95.6 143.4

98 62.1 52.5 78.7

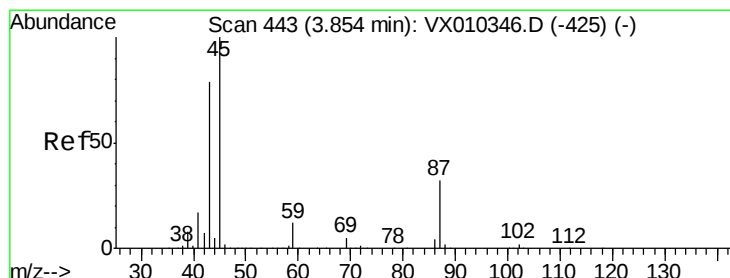
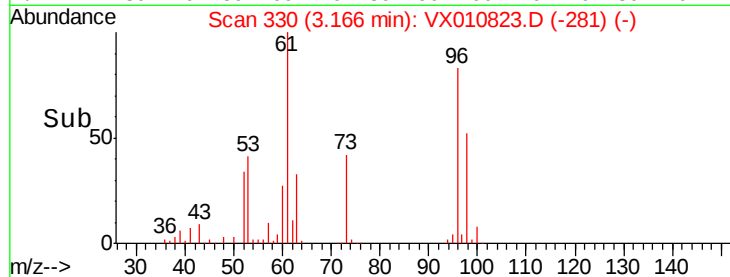
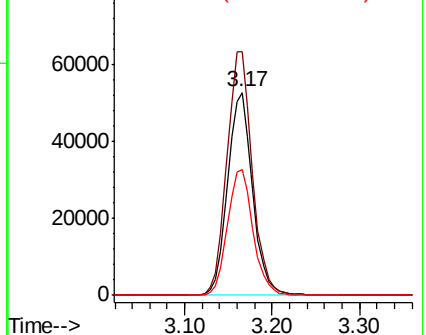


Abundance

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: 46.611 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Tgt Ion: 45 Resp: 306020

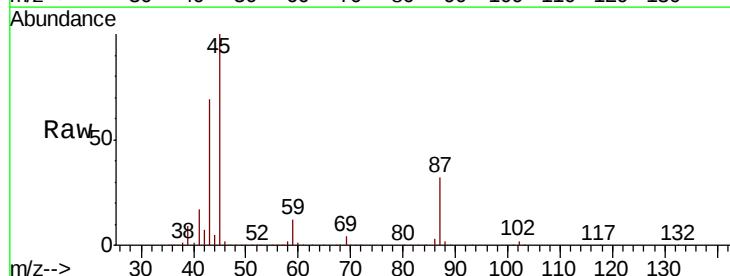
Ion Ratio Lower Upper

45 100

43 69.4 63.3 94.9

87 32.0 25.8 38.8

59 12.1 9.6 14.4



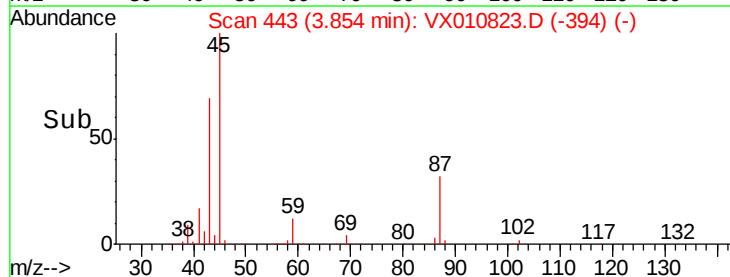
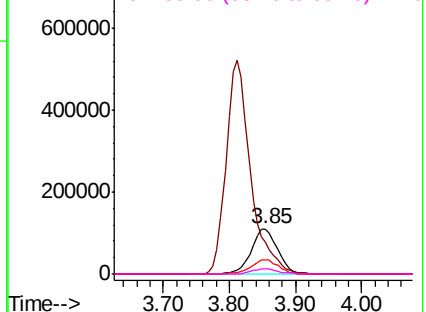
Abundance

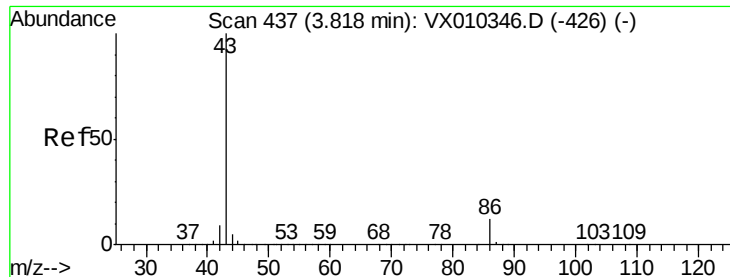
Ion 45.00 (44.70 to 45.70): VX0

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: 236.524 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

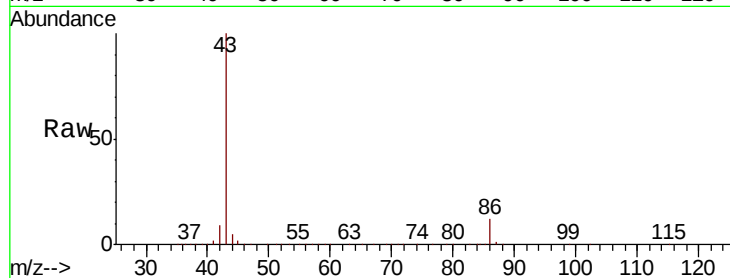
VSTDCCC050

Tot Ion: 43 Resp: 1341516

Ion Ratio Lower Upper

43 100

86 11.8 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

500000

400000

300000

200000

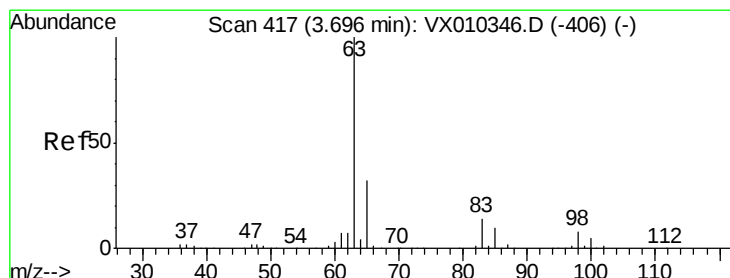
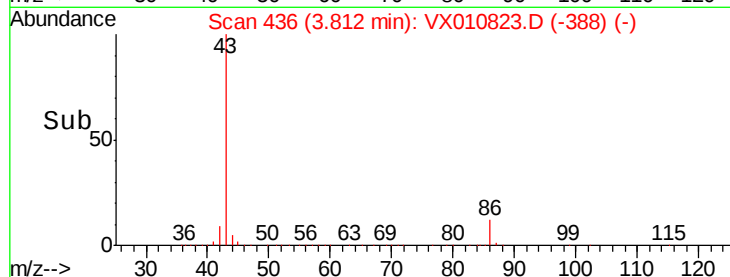
100000

0

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 45.754 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

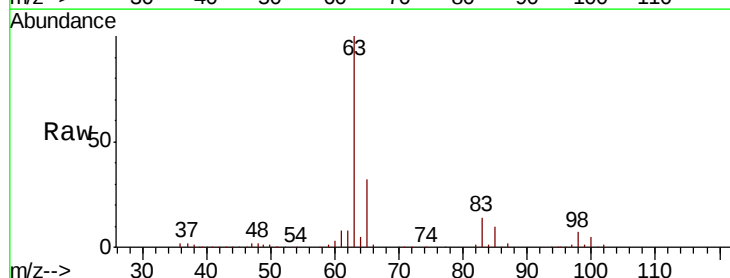
Tgt Ion: 63 Resp: 173639

Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.7

100 4.8 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

80000

60000

40000

20000

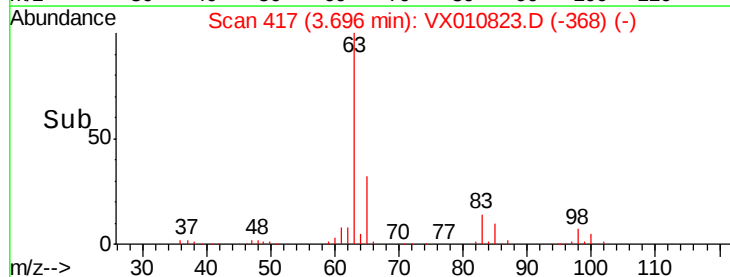
0

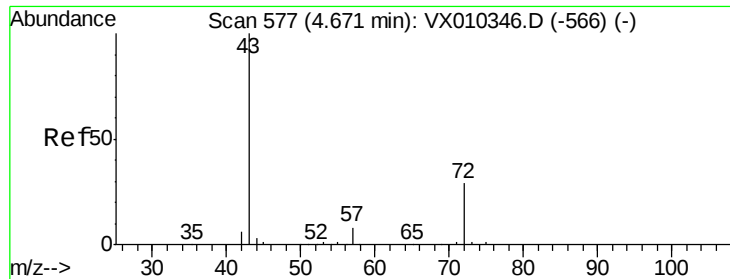
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 232.197 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

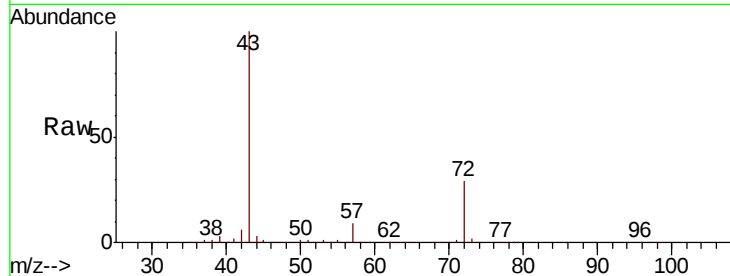
VSTDCCC050

Tot Ion: 43 Resp: 408411

Ion Ratio Lower Upper

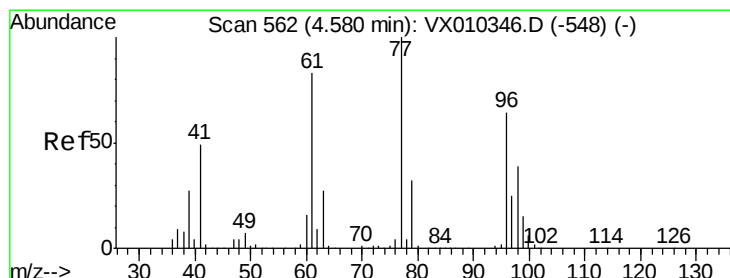
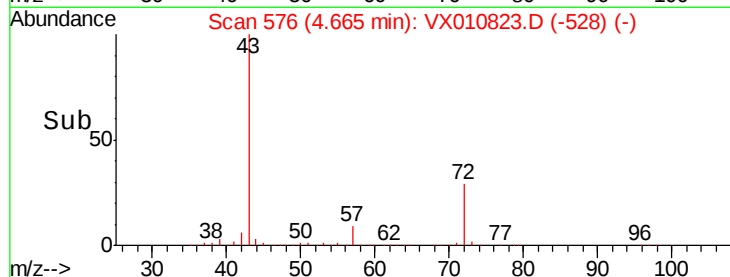
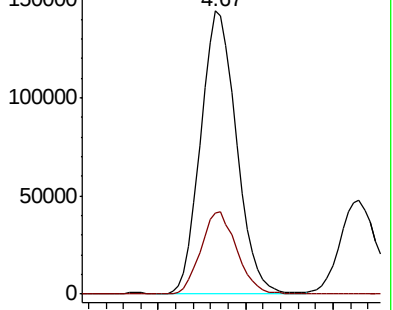
43 100

72 28.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 44.147 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010823.D

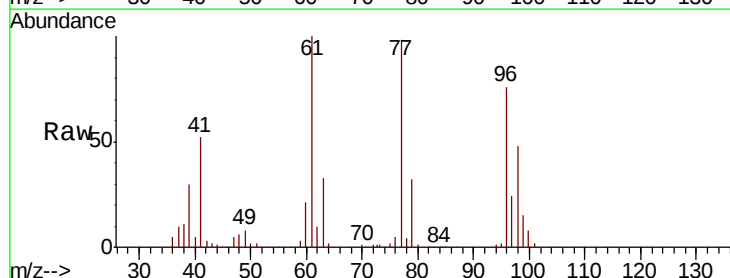
Acq: 12 Jul 2019 09:41

Tgt Ion: 77 Resp: 145540

Ion Ratio Lower Upper

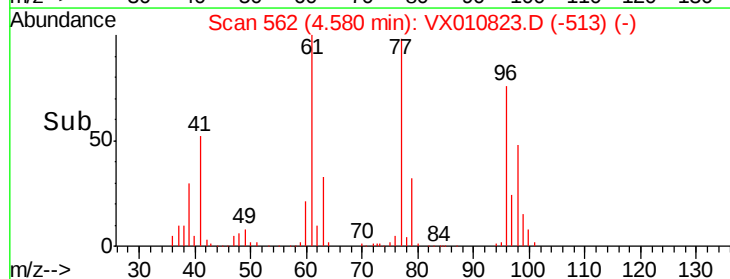
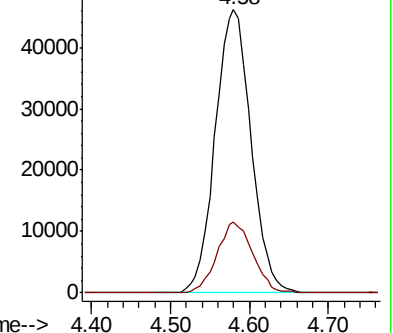
77 100

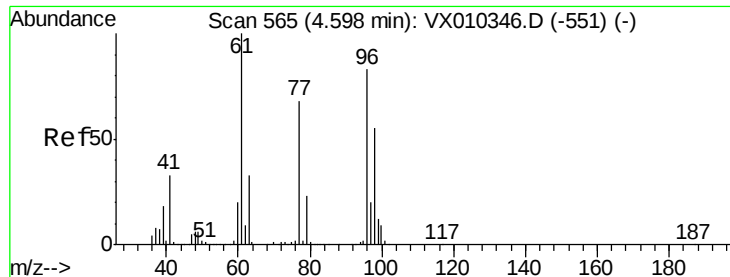
97 25.2 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



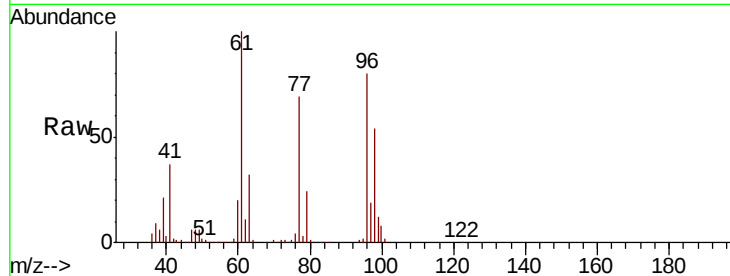


#27

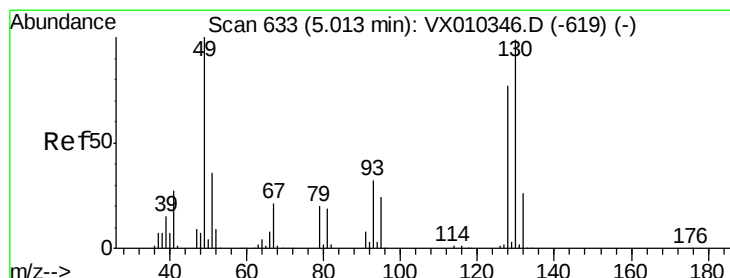
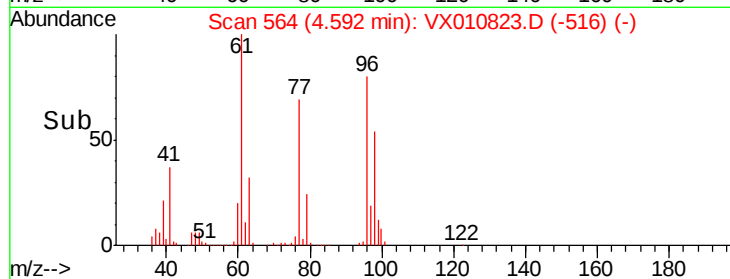
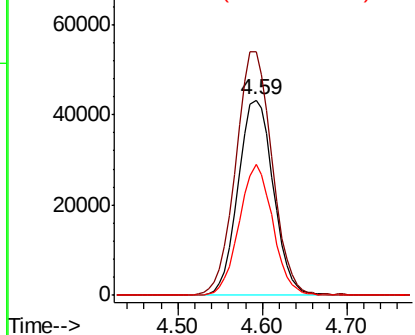
cis-1,2-Dichloroethene
Concen: 44.615 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 122646
Ion Ratio Lower Upper
96 100
61 129.0 0.0 251.8
98 64.1 0.0 129.4



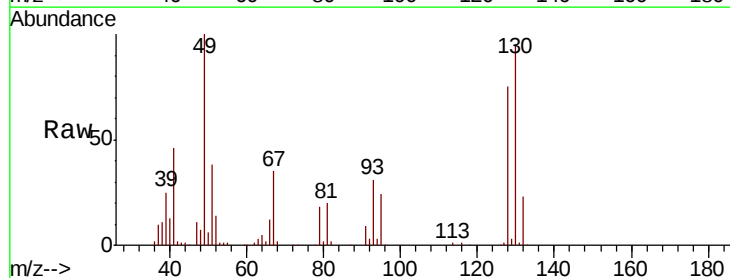
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



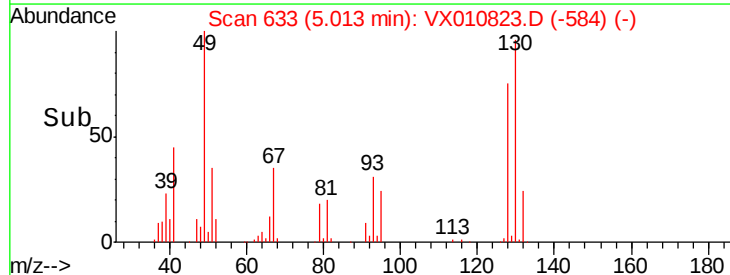
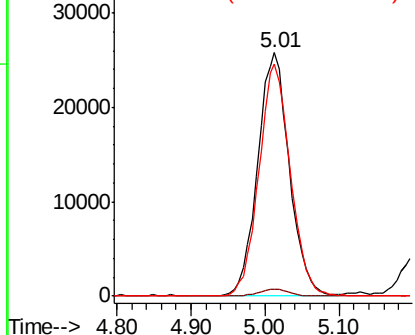
#28

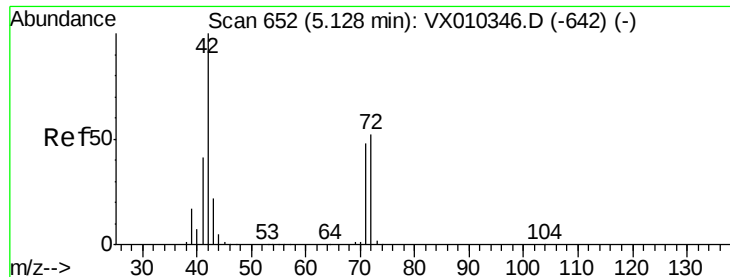
Bromochloromethane
Concen: 42.413 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 49 Resp: 76958
Ion Ratio Lower Upper
49 100
129 2.6 0.0 5.6
130 94.2 81.4 122.0



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





#29

Tetrahydrofuran

Concen: 216.862 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

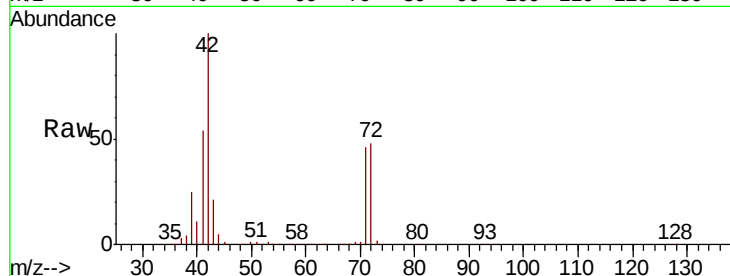
Tot Ion: 42 Resp: 236266

Ion Ratio Lower Upper

42 100

72 50.1 40.6 60.8

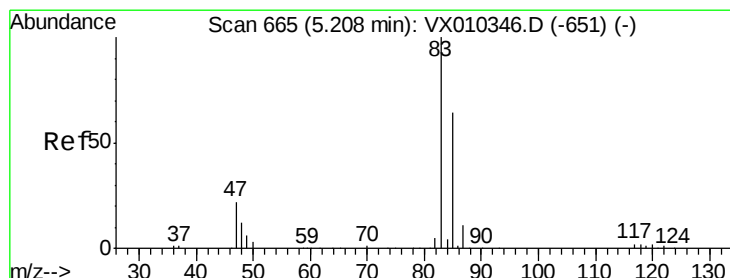
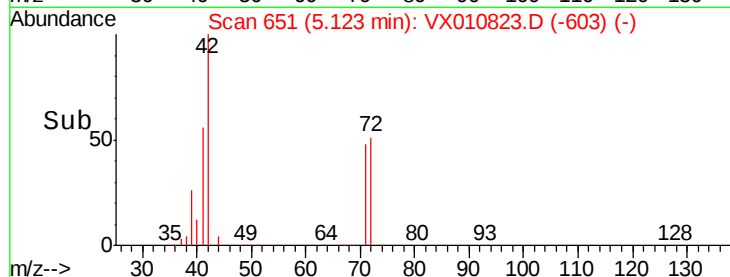
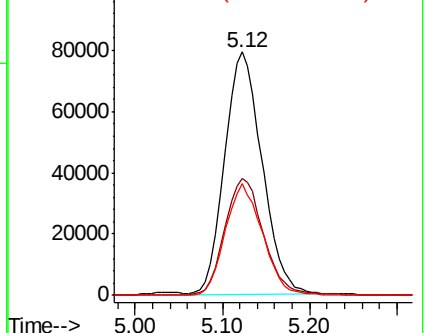
71 45.9 37.8 56.8



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: 45.500 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX010823.D

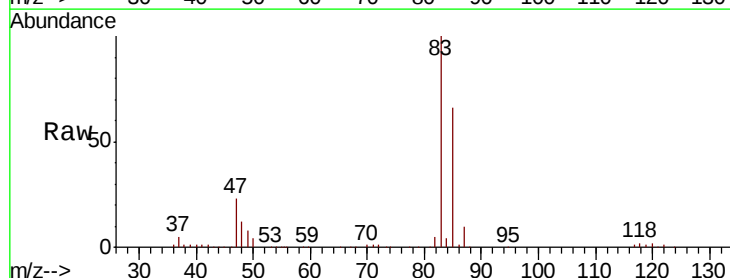
Acq: 12 Jul 2019 09:41

Tgt Ion: 83 Resp: 185787

Ion Ratio Lower Upper

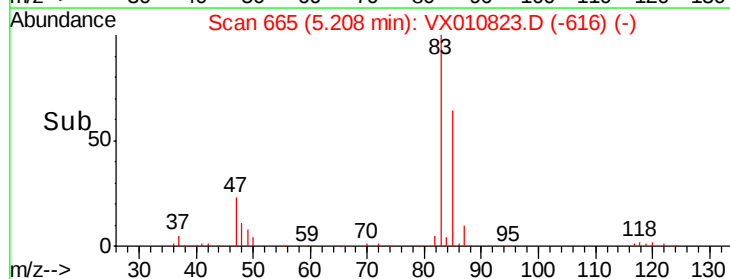
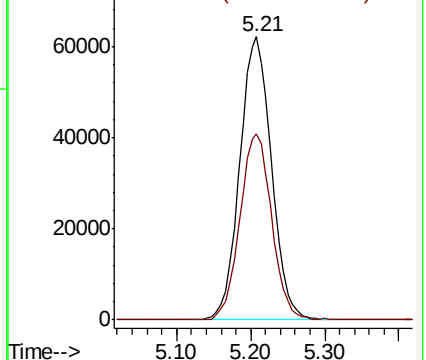
83 100

85 65.7 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: 45.637 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

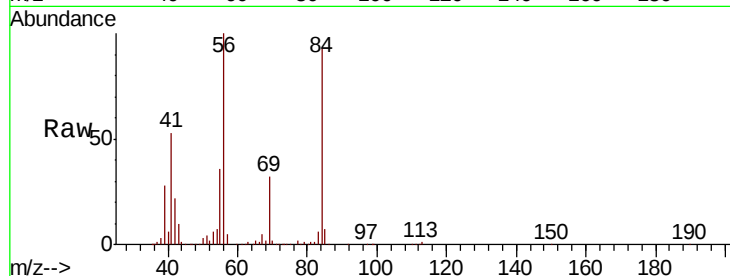
Tot Ion: 56 Resp: 157717

Ion Ratio Lower Upper

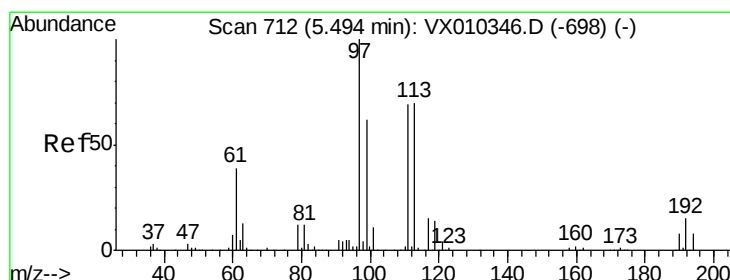
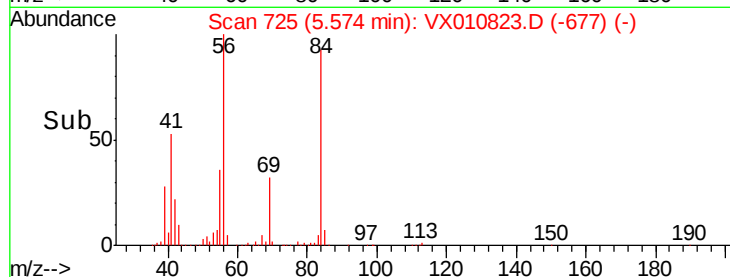
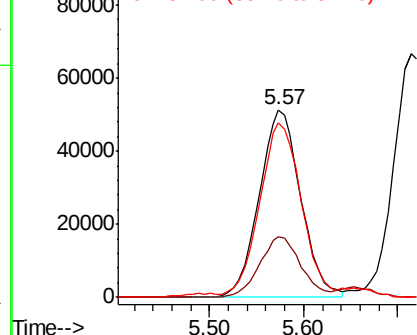
56 100

69 32.0 25.9 38.9

84 91.4 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: 45.417 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

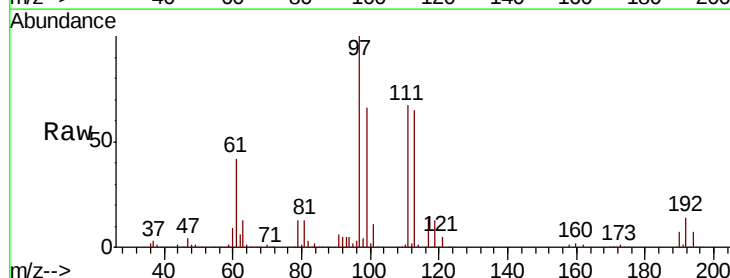
Tgt Ion: 97 Resp: 163752

Ion Ratio Lower Upper

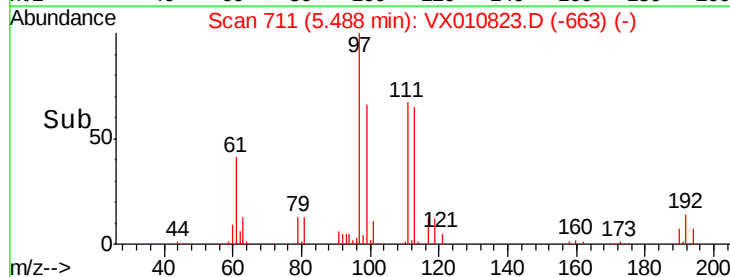
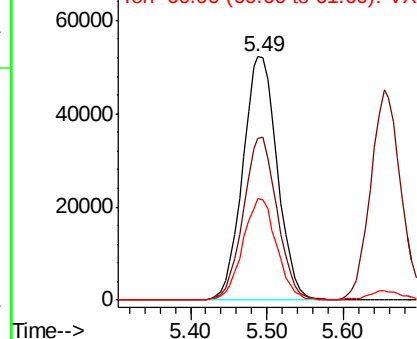
97 100

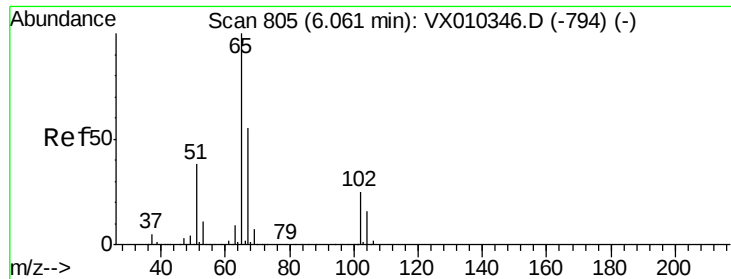
99 65.4 51.8 77.8

61 40.7 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: 43.824 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

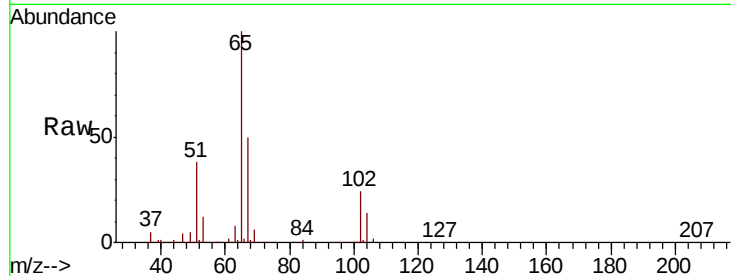
VSTDCCC050

Tot Ion: 65 Resp: 104852

Ion Ratio Lower Upper

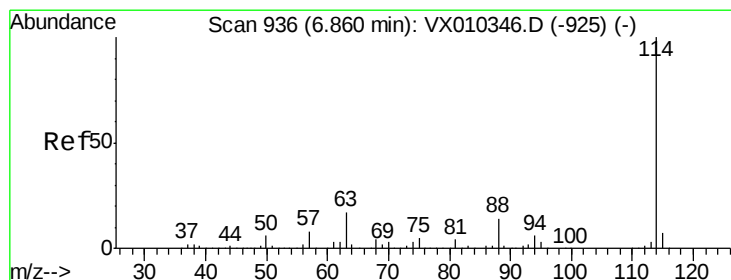
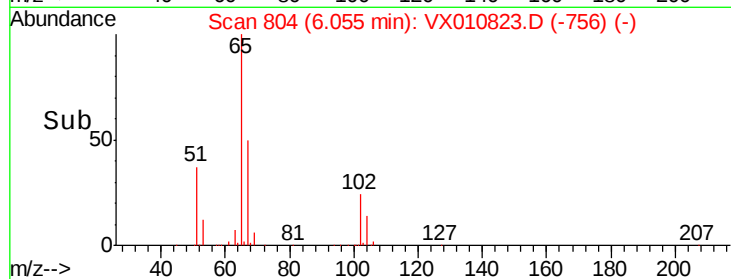
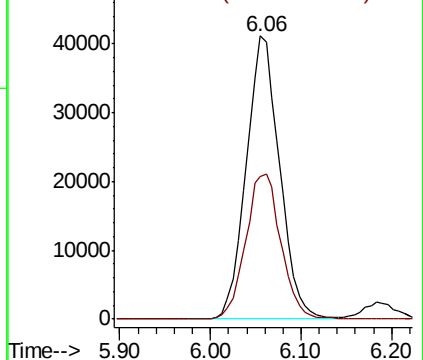
65 100

67 54.1 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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

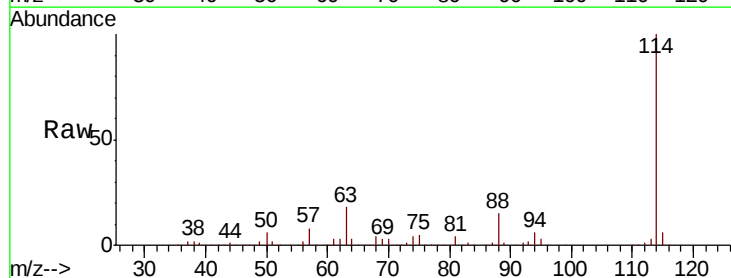
Tgt Ion: 114 Resp: 367523

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.8

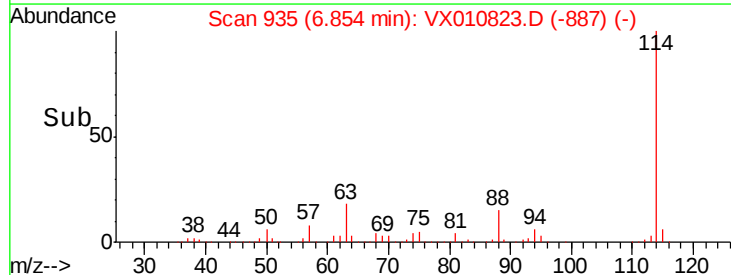
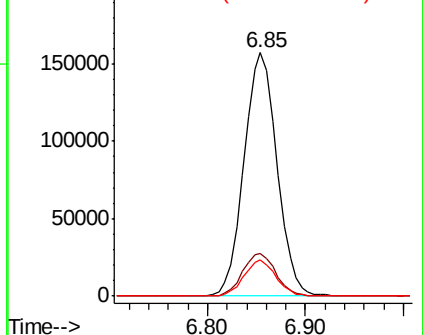
88 14.9 0.0 27.6



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

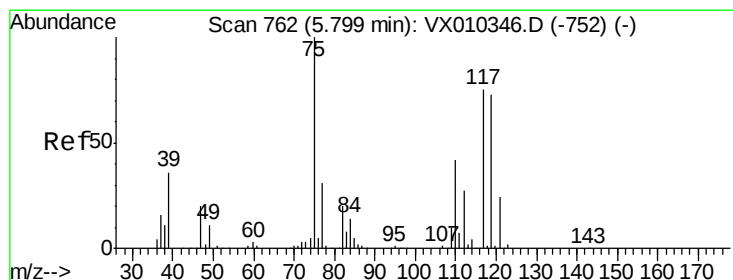
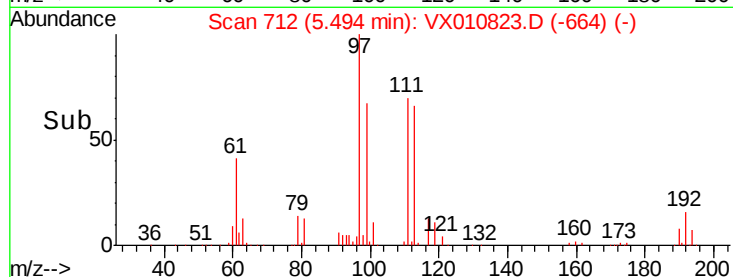
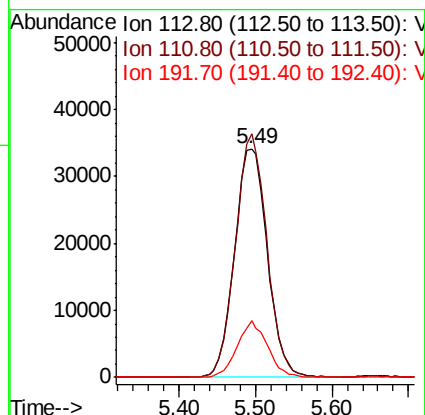
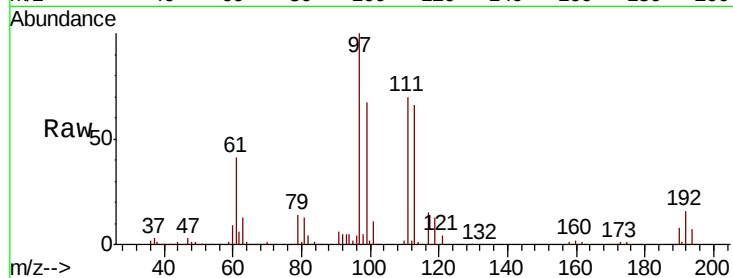




#35
 Dibromofluoromethane
 Concen: 45.297 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

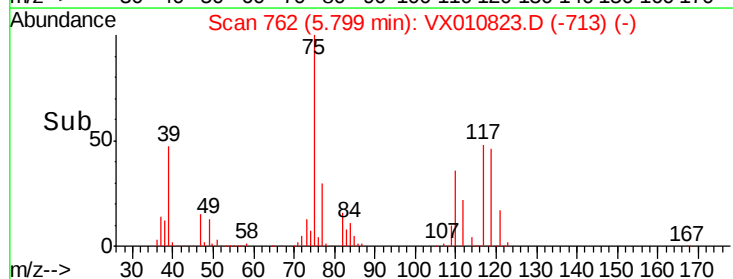
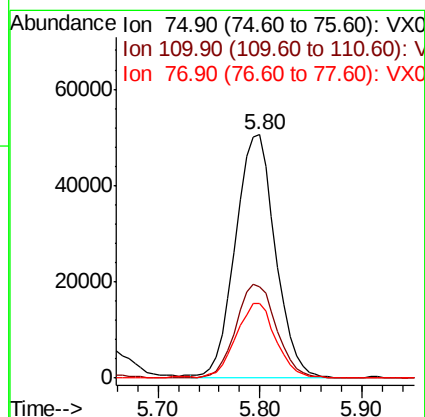
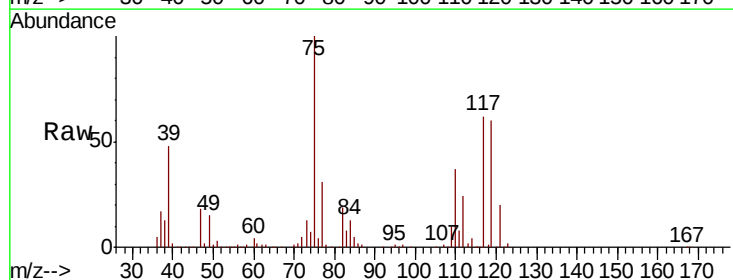
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

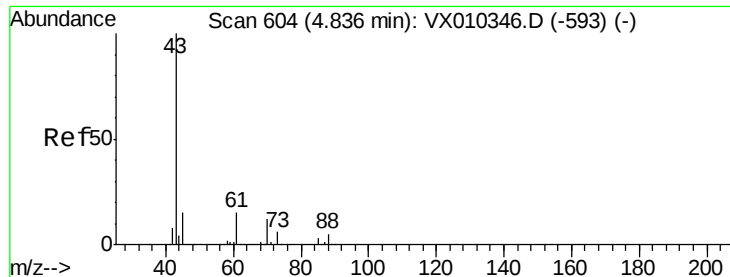
Tot Ion:113 Resp: 101856
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.2 121.8
 192 22.6 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 46.858 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Tgt Ion: 75 Resp: 136851
 Ion Ratio Lower Upper
 75 100
 110 39.5 20.8 62.2
 77 31.0 25.4 38.0





#37

Ethyl Acetate

Concen: 46.552 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

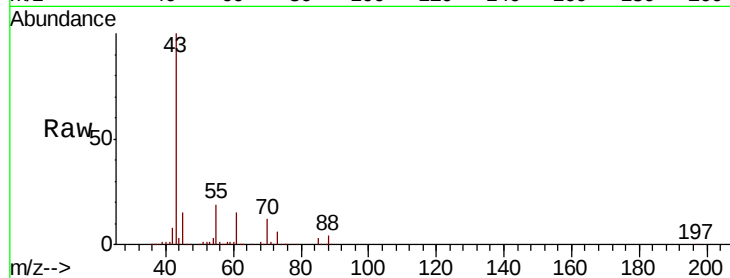
Tot Ion: 43 Resp: 139866

Ion Ratio Lower Upper

43 100

61 15.6 12.4 18.6

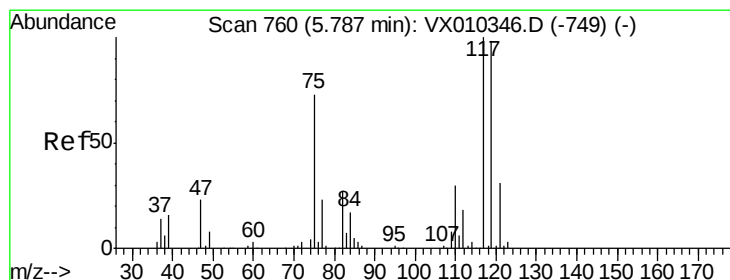
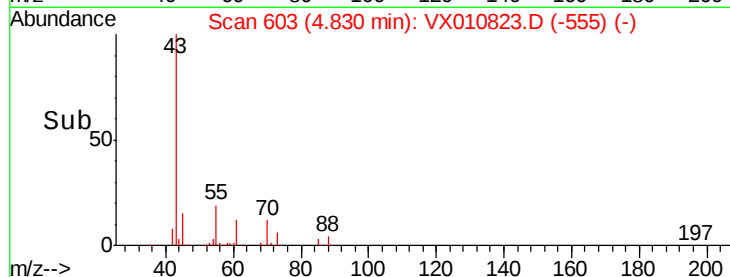
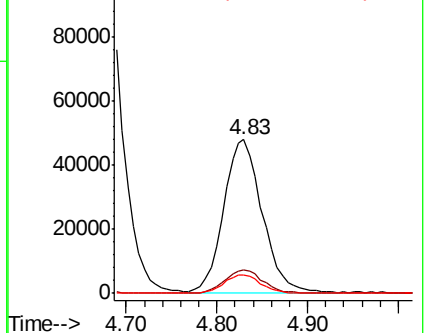
70 12.0 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 46.075 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

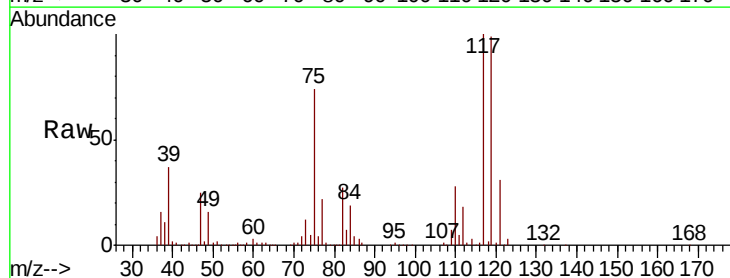
Tgt Ion: 117 Resp: 145716

Ion Ratio Lower Upper

117 100

119 99.5 78.2 117.4

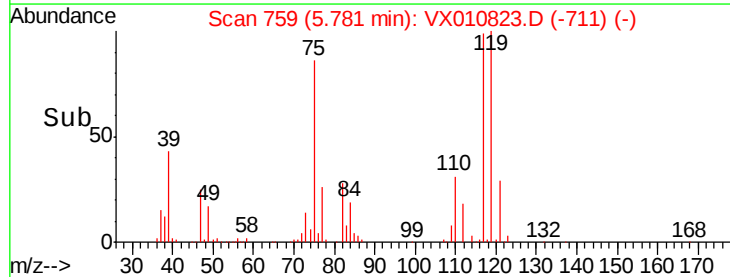
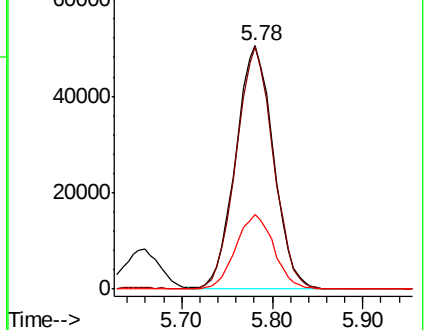
121 30.6 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

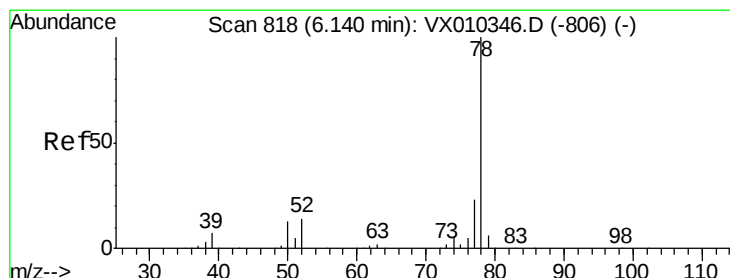
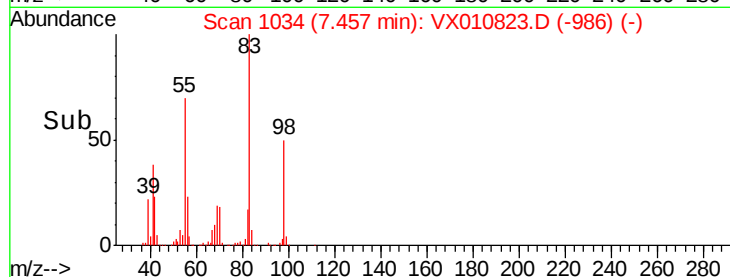
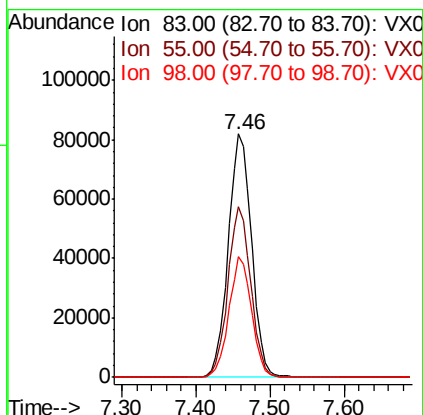
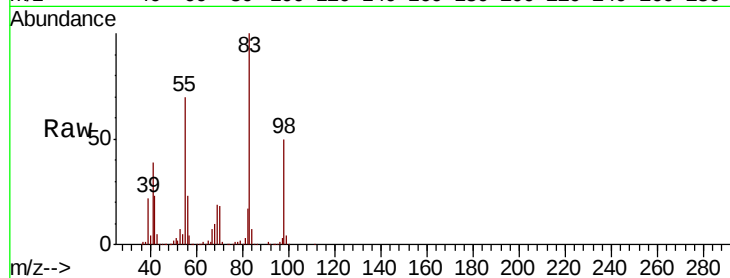




#39
Methvlcvclohexane
Concen: 46.694 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

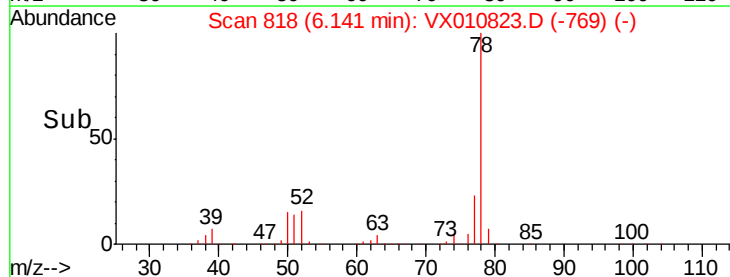
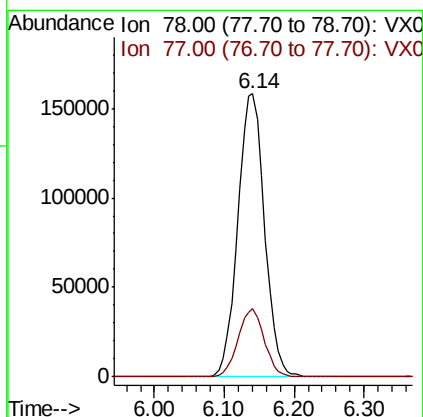
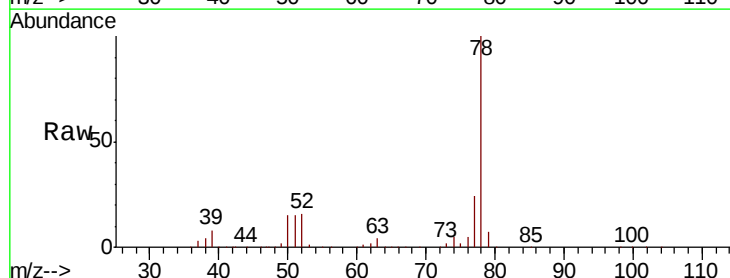
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 179255
Ion Ratio Lower Upper
83 100
55 70.2 53.0 79.6
98 49.8 37.8 56.8



#40
Benzene
Concen: 46.046 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 78 Resp: 418970
Ion Ratio Lower Upper
78 100
77 24.0 18.6 28.0

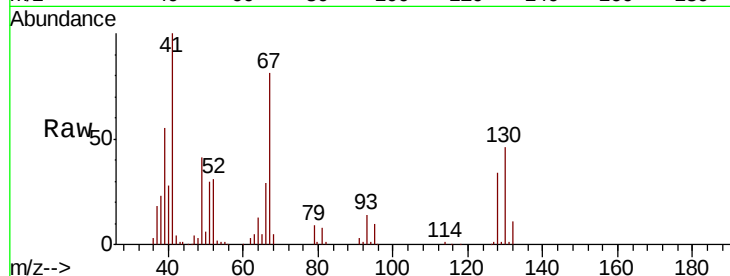




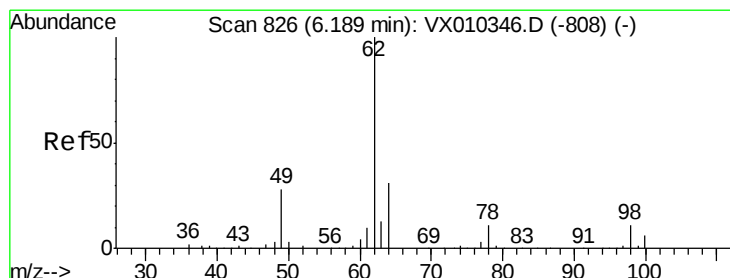
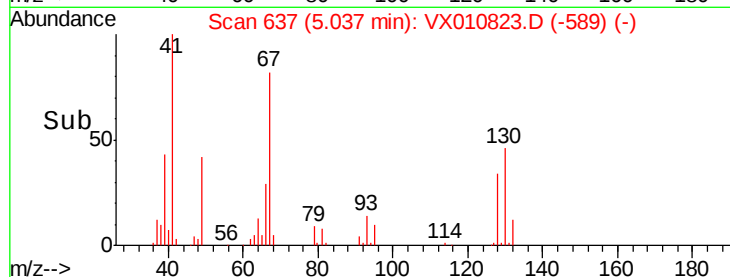
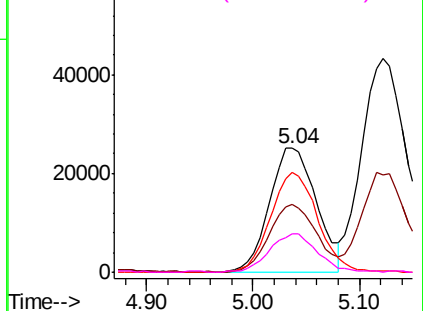
#41
Methacrylonitrile
Concen: 46.734 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	77043
Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.8	65.8
67	79.8	66.6	100.0
52	30.5	24.5	36.7

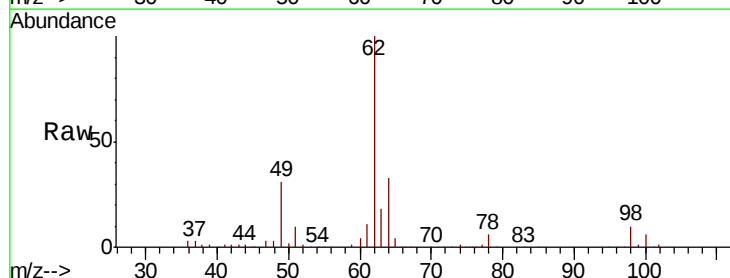


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

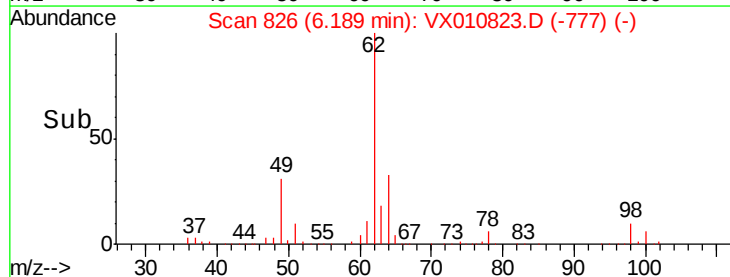
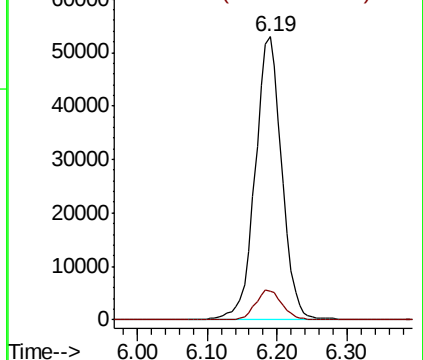


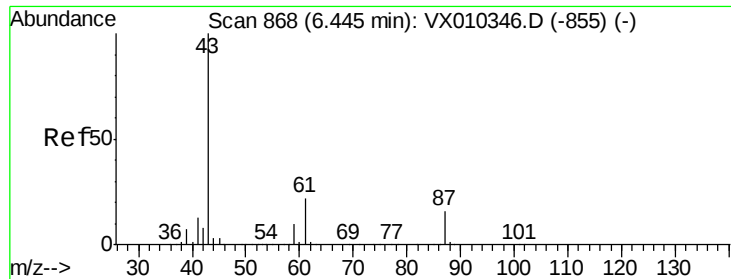
#42
1,2-Dichloroethane
Concen: 50.459 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion:	62	Resp:	139756
Ion	Ratio	Lower	Upper
62	100		
98	10.5	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: 46.524 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

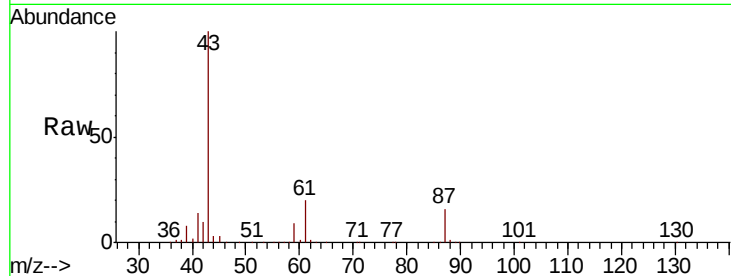
Tot Ion: 43 Resp: 231269

Ion Ratio Lower Upper

43 100

61 20.9 17.8 26.6

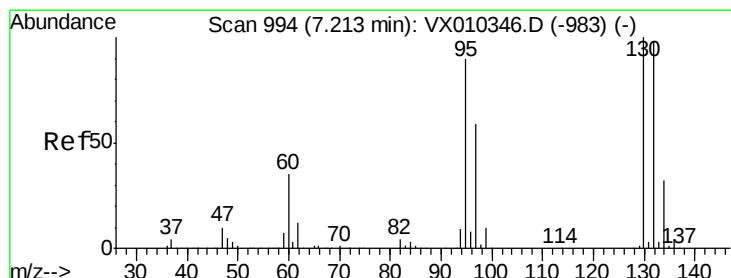
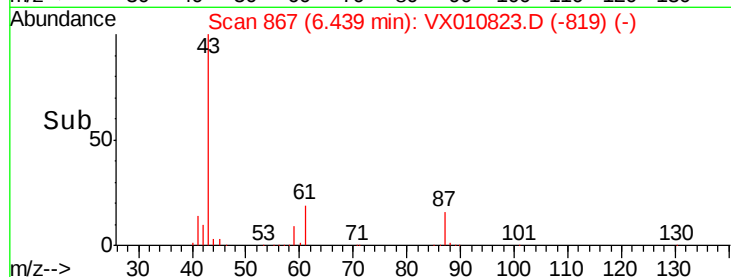
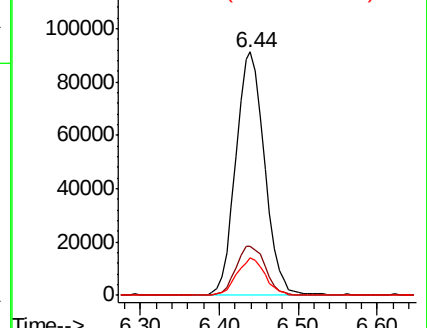
87 15.2 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 45.353 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX010823.D

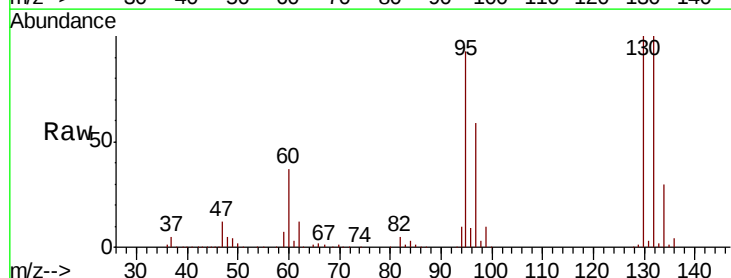
Acq: 12 Jul 2019 09:41

Tgt Ion:130 Resp: 123480

Ion Ratio Lower Upper

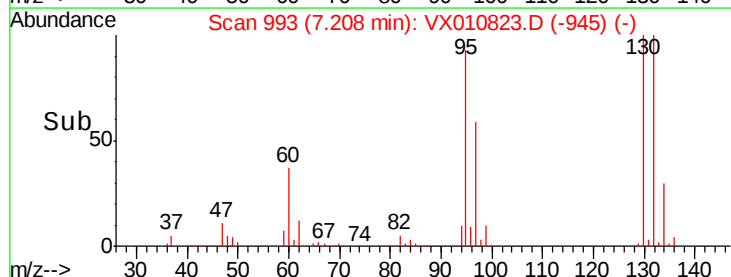
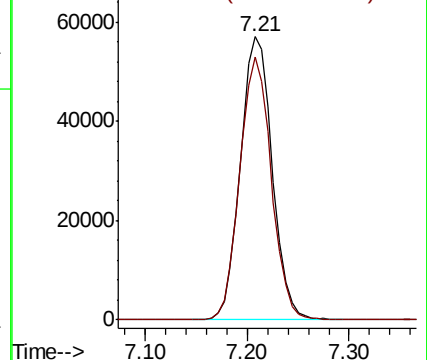
130 100

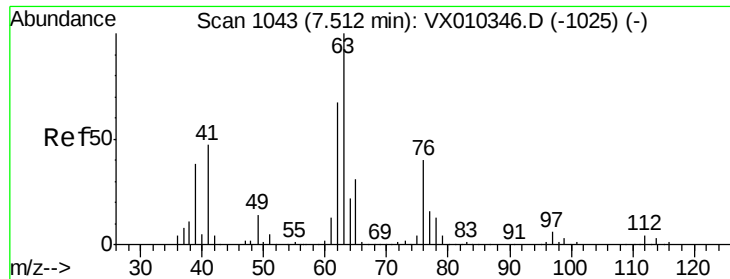
95 93.0 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 46.187 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

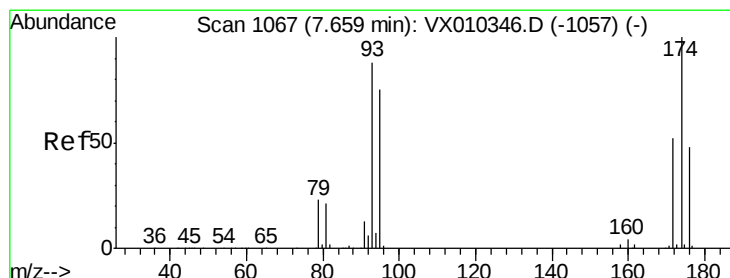
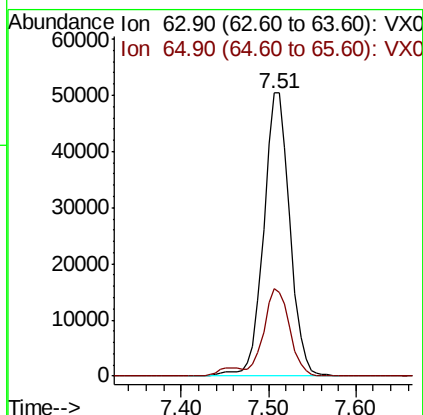
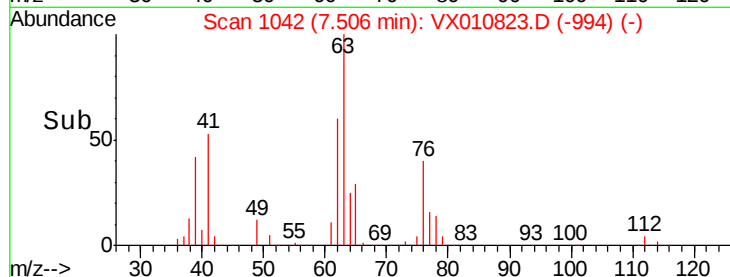
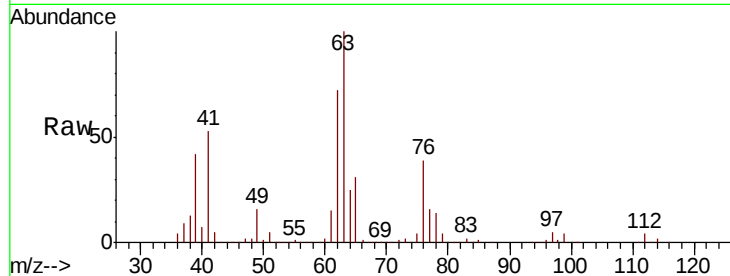
VSTDCCC050

Tot Ion: 63 Resp: 106124

Ion Ratio Lower Upper

63 100

65 30.9 24.8 37.2



#46

Dibromomethane

Concen: 46.774 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

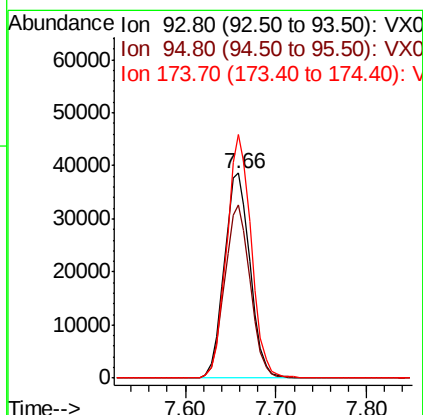
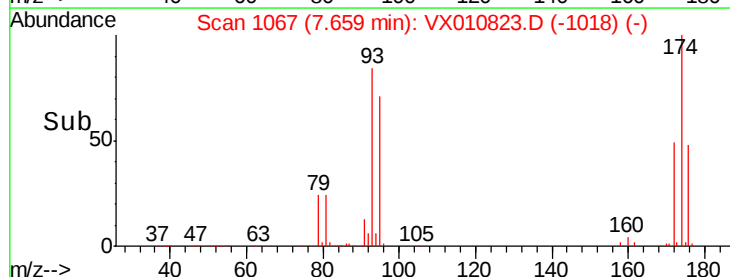
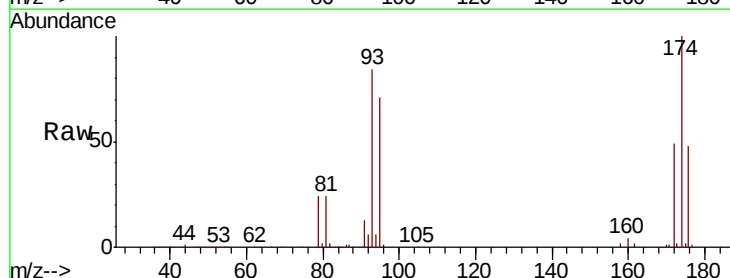
Tgt Ion: 93 Resp: 77110

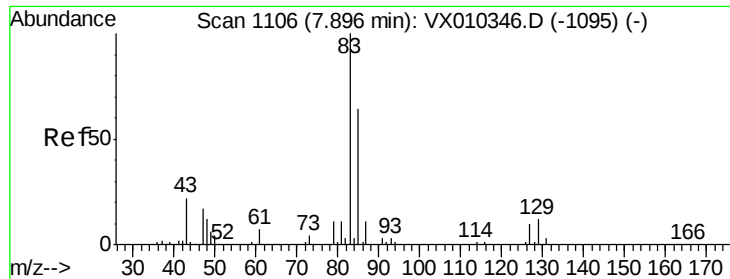
Ion Ratio Lower Upper

93 100

95 83.7 67.5 101.3

174 113.5 95.8 143.6





#47

Bromodichloromethane

Concen: 46.652 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

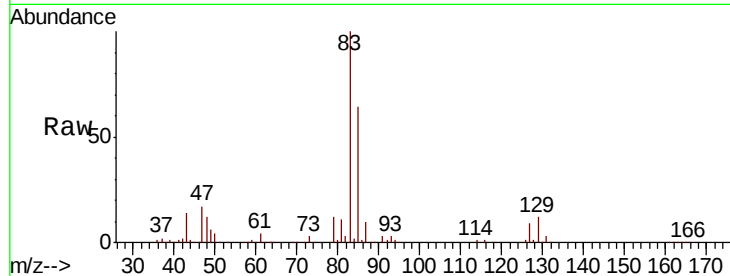
Tot Ion: 83 Resp: 140944

Ion Ratio Lower Upper

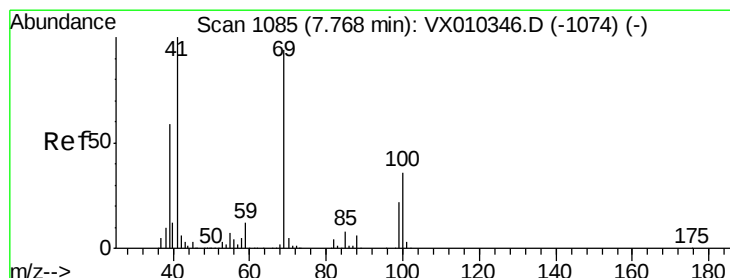
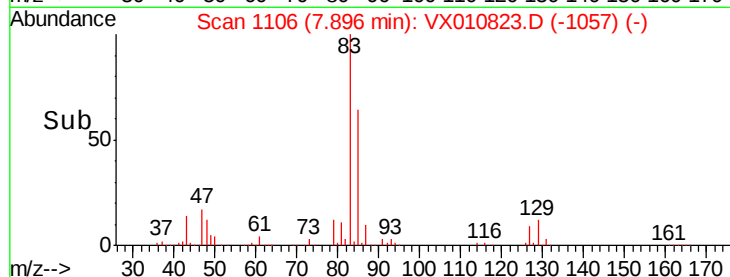
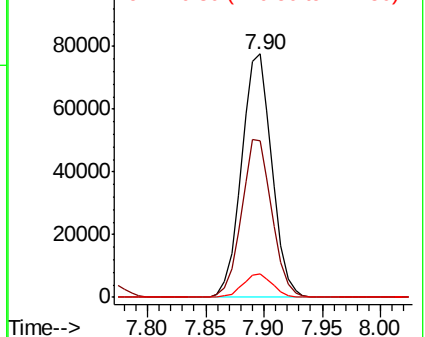
83 100

85 64.1 51.5 77.3

127 9.4 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: 47.844 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

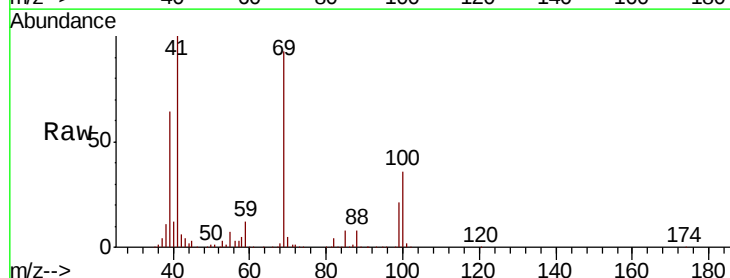
Tgt Ion: 41 Resp: 110546

Ion Ratio Lower Upper

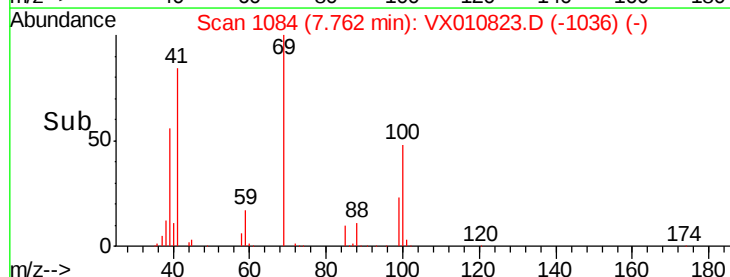
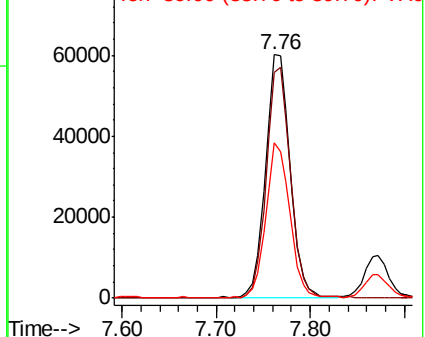
41 100

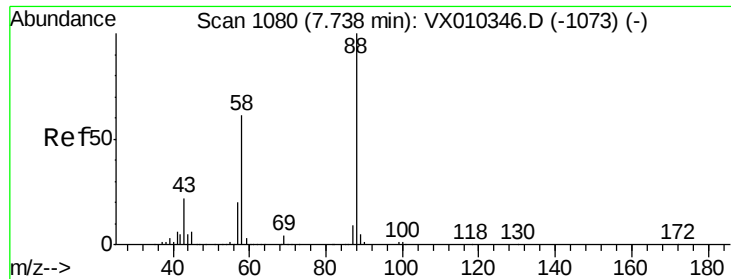
69 93.3 76.1 114.1

39 61.9 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

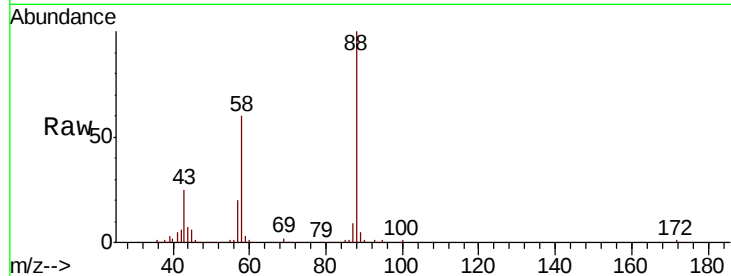




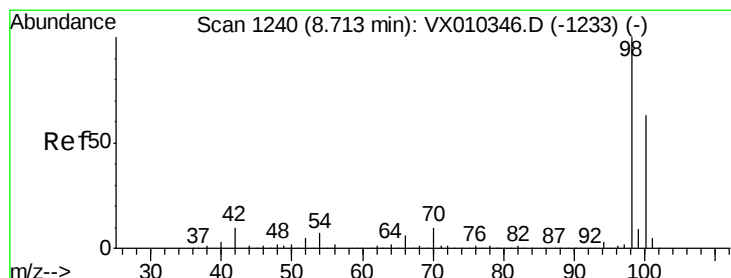
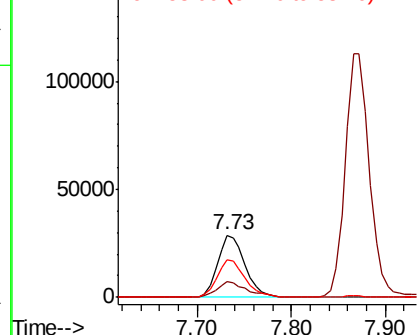
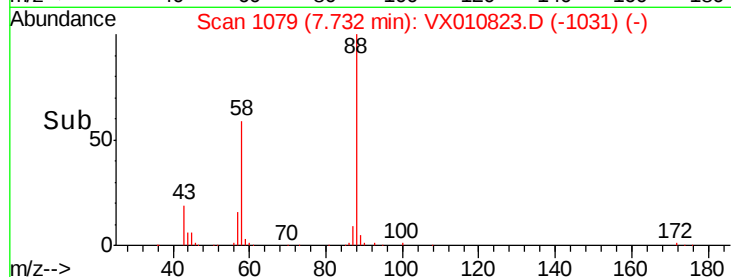
#49
 1,4-Dioxane
 Concen: 865.801 ug/l
 RT: 7.73 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 57629
 Ion Ratio Lower Upper
 88 100
 43 28.0 20.2 30.2
 58 60.0 49.5 74.3

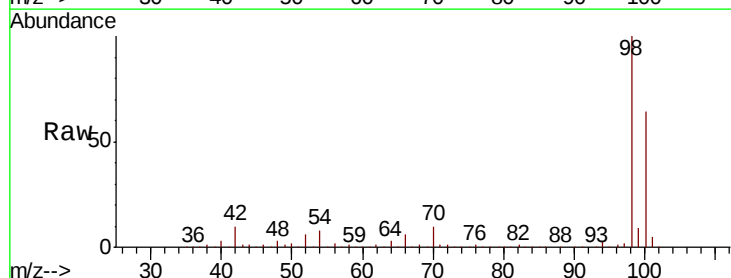


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

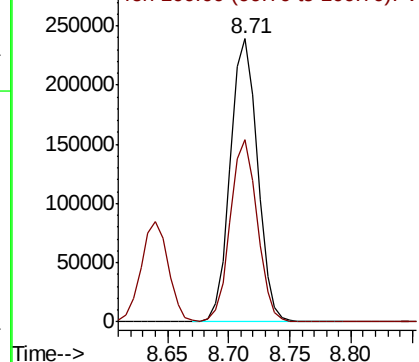
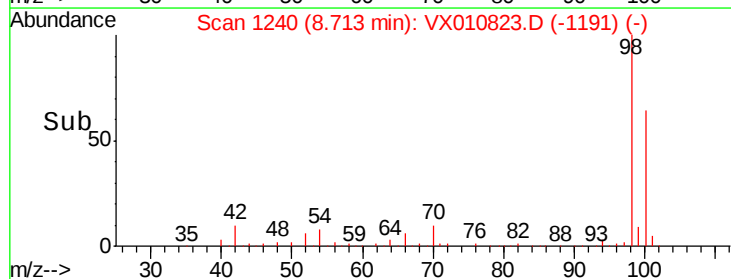


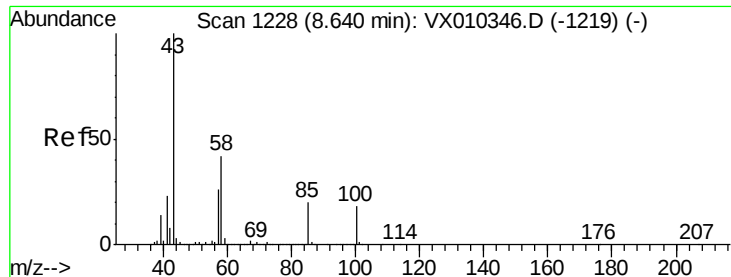
#50
 Toluene-d8
 Concen: 42.711 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Tgt Ion: 98 Resp: 367440
 Ion Ratio Lower Upper
 98 100
 100 63.7 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: 239.562 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

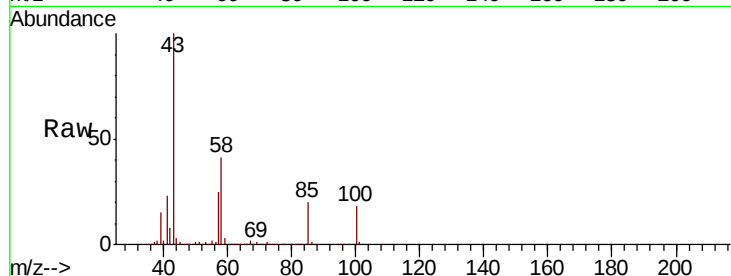
VSTDCCC050

Tot Ion: 43 Resp: 761621

Ion Ratio Lower Upper

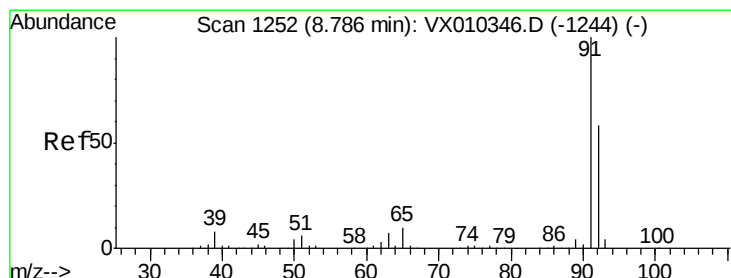
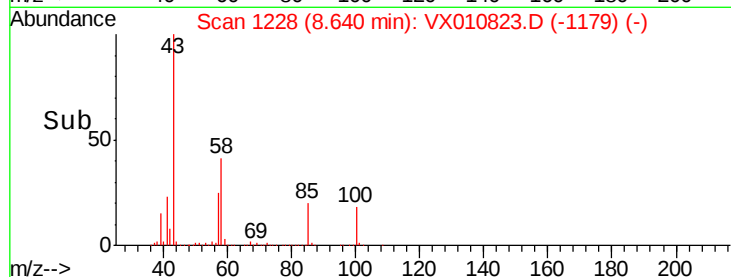
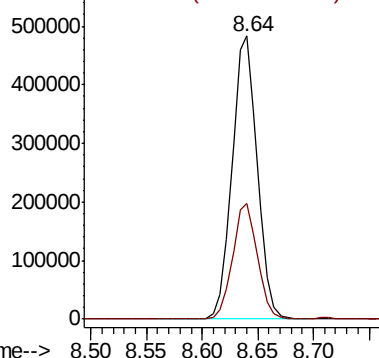
43 100

58 40.5 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 46.133 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010823.D

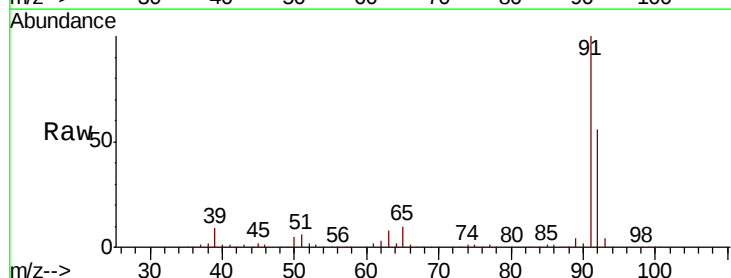
Acq: 12 Jul 2019 09:41

Tgt Ion: 92 Resp: 276427

Ion Ratio Lower Upper

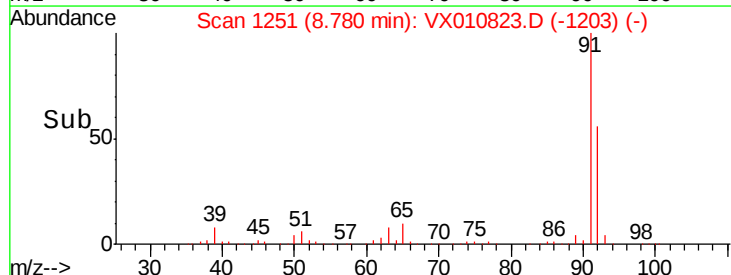
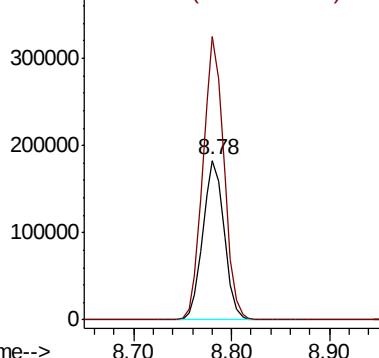
92 100

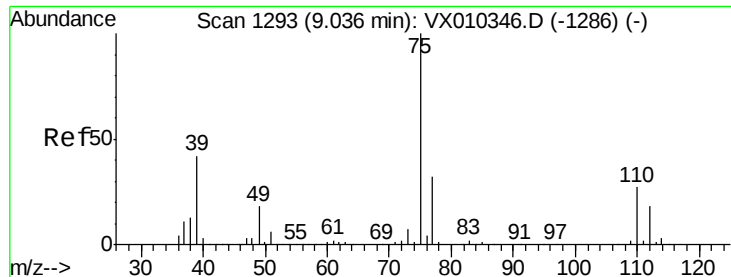
91 175.3 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

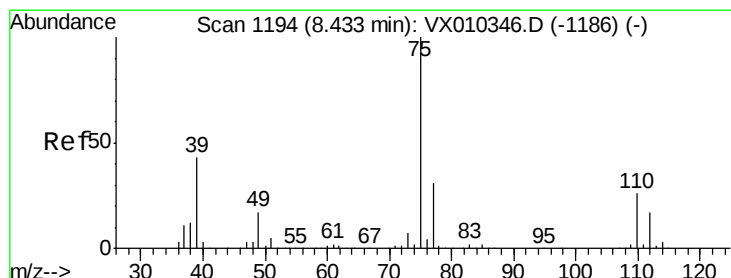
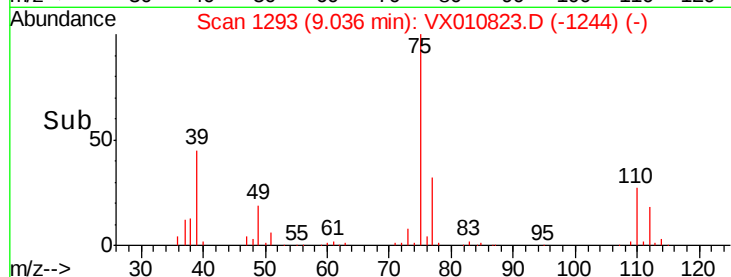
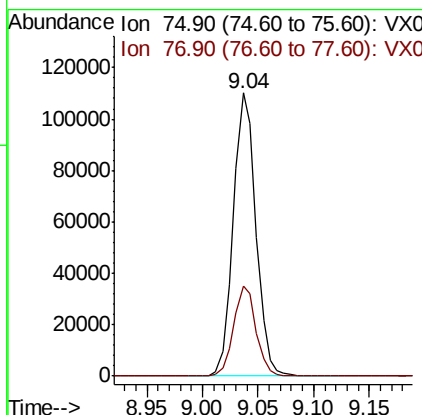
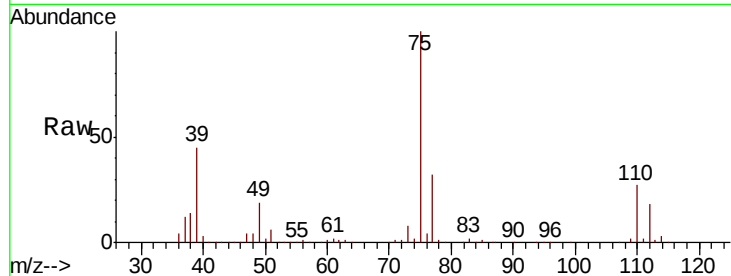




#53
t-1,3-Dichloropropene
Concen: 45.753 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

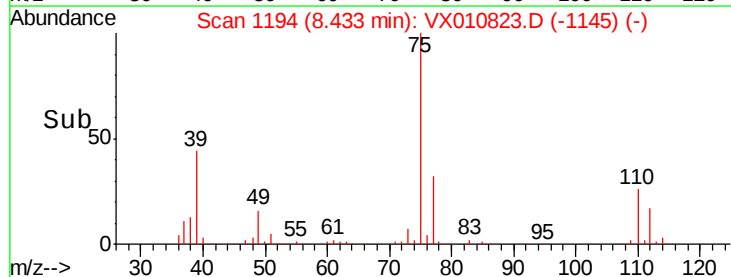
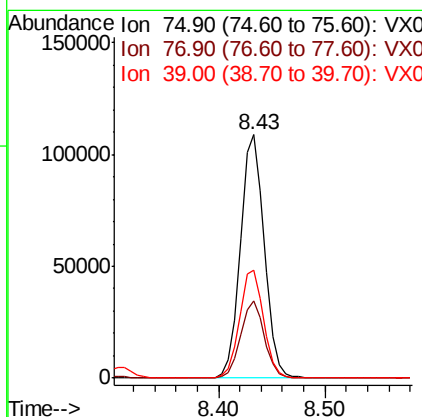
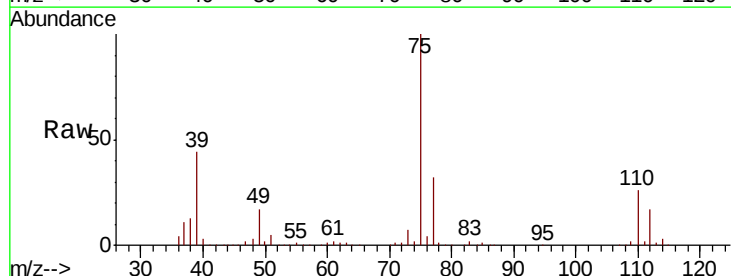
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

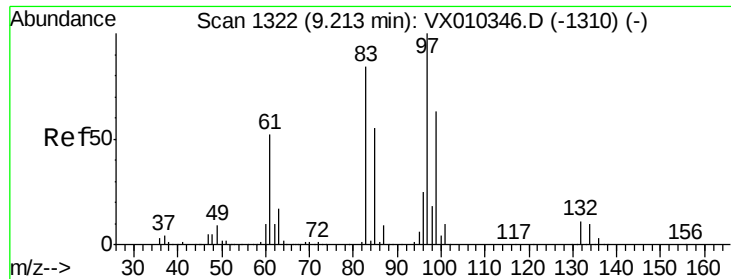
Tot Ion: 75 Resp: 154975
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 46.612 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 75 Resp: 171573
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8
39 44.1 34.5 51.7

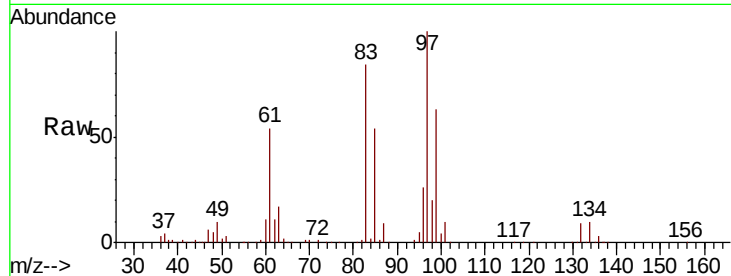




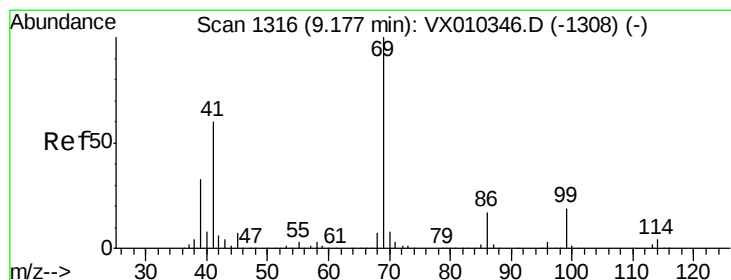
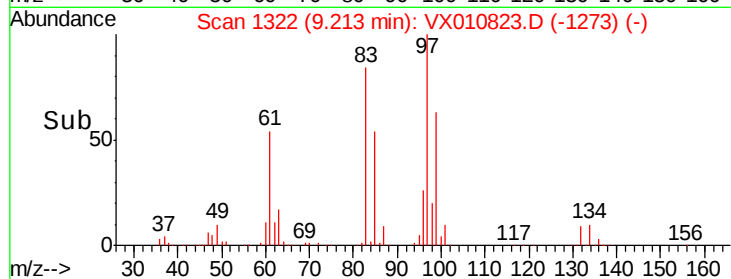
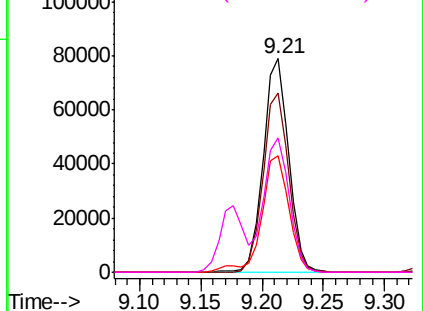
#55
 1,1,2-Trichloroethane
 Concen: 46.482 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	114867
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.4	101.0
85	54.5	43.8	65.8
99	63.2	50.3	75.5

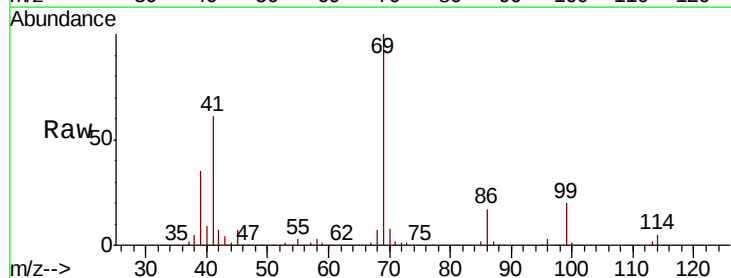


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

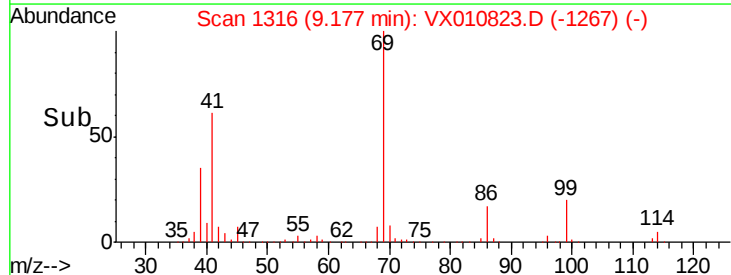
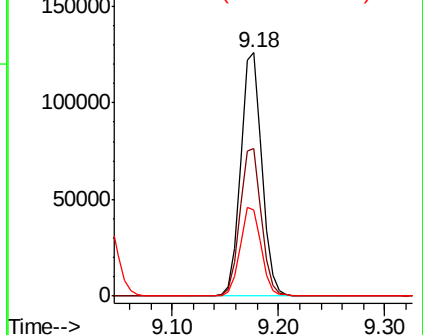


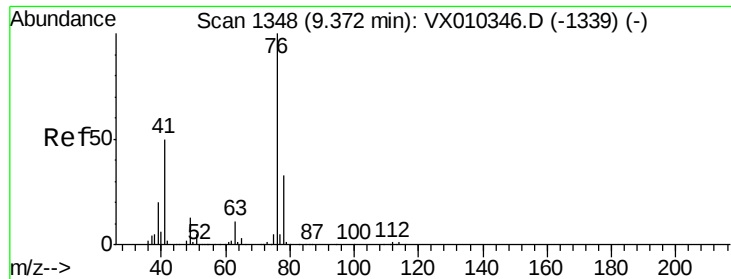
#56
 Ethyl methacrylate
 Concen: 47.083 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Tgt Ion:	69	Resp:	176257
Ion	Ratio	Lower	Upper
69	100		
41	60.9	47.1	70.7
39	36.2	26.6	40.0



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 47.294 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

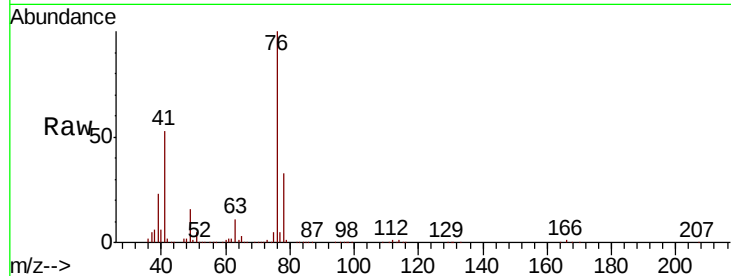
VSTDCCC050

Tot Ion: 76 Resp: 181422

Ion Ratio Lower Upper

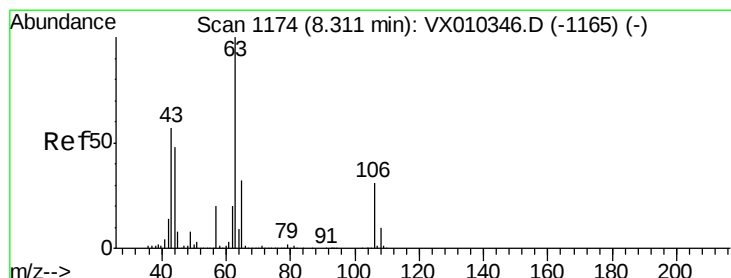
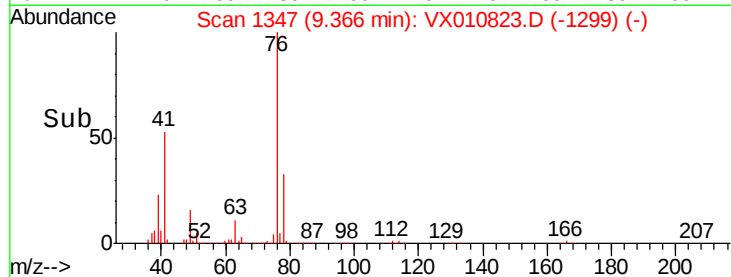
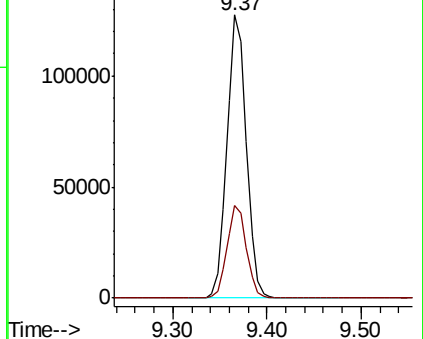
76 100

78 32.7 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 212.468 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX010823.D

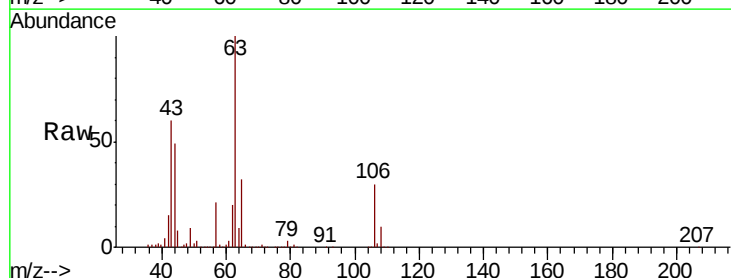
Acq: 12 Jul 2019 09:41

Tgt Ion: 63 Resp: 377749

Ion Ratio Lower Upper

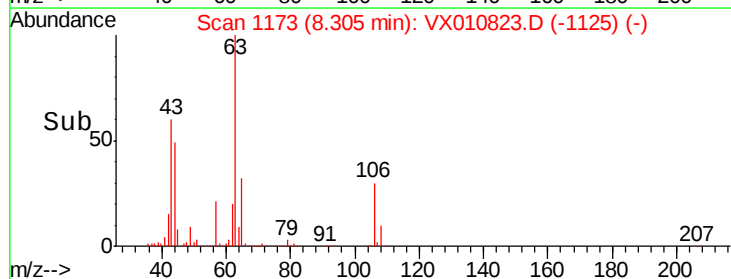
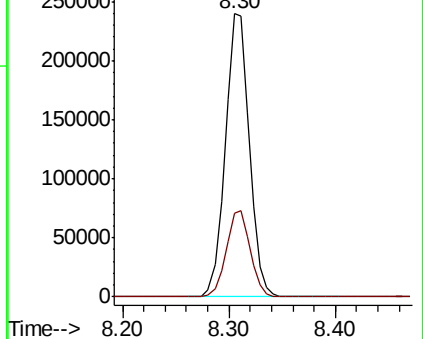
63 100

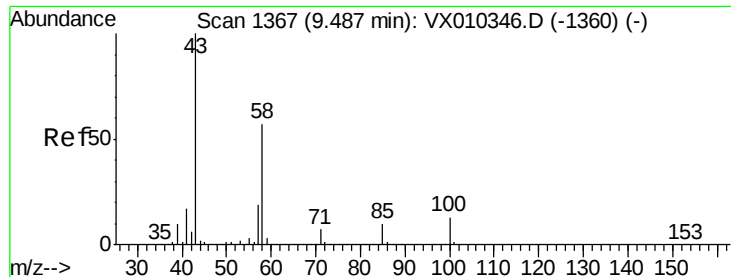
106 30.4 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

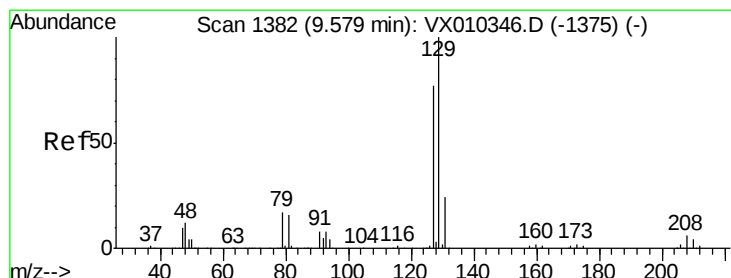
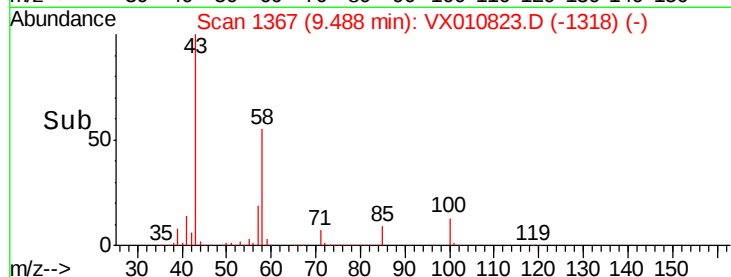
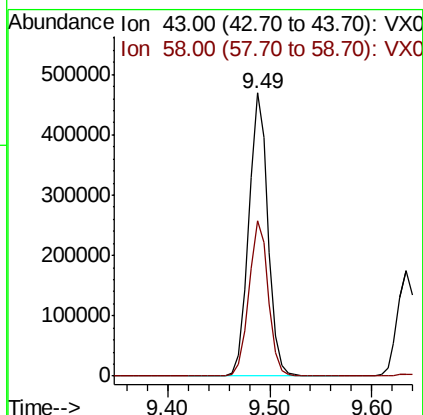
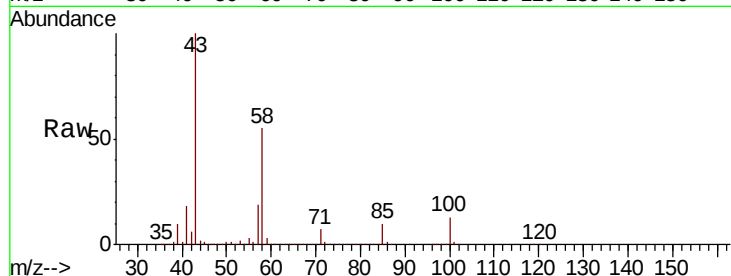




#59
2-Hexanone
Concen: 245.735 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

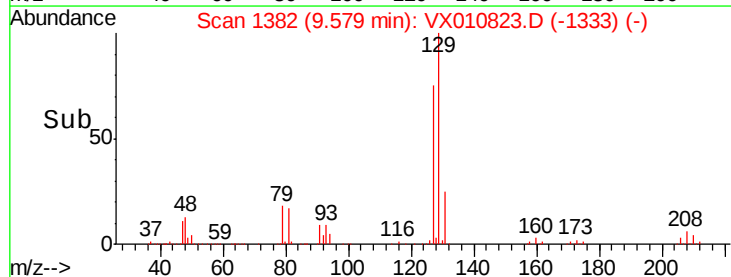
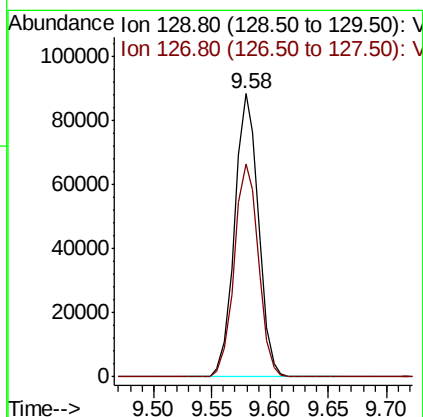
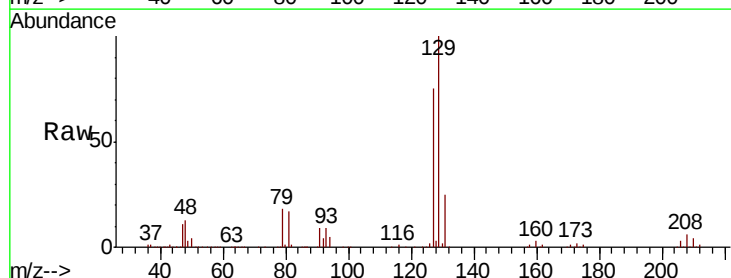
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

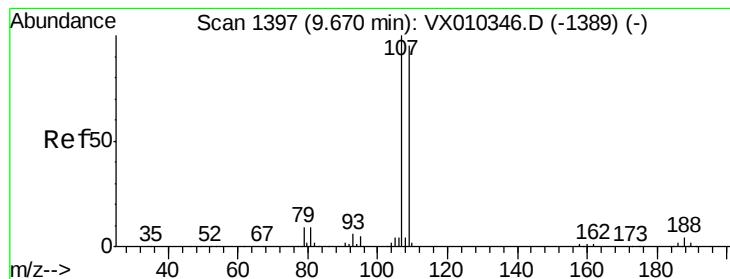
Tot Ion: 43 Resp: 614869
Ion Ratio Lower Upper
43 100
58 55.5 29.0 87.1



#60
Dibromochloromethane
Concen: 45.662 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 129 Resp: 126344
Ion Ratio Lower Upper
129 100
127 76.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 46.389 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

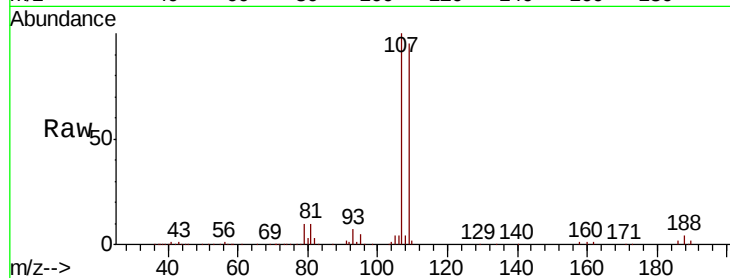
VSTDCCC050

Tot Ion: 107 Resp: 123738

Ion Ratio Lower Upper

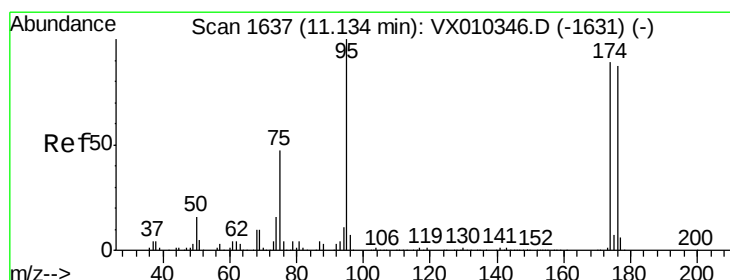
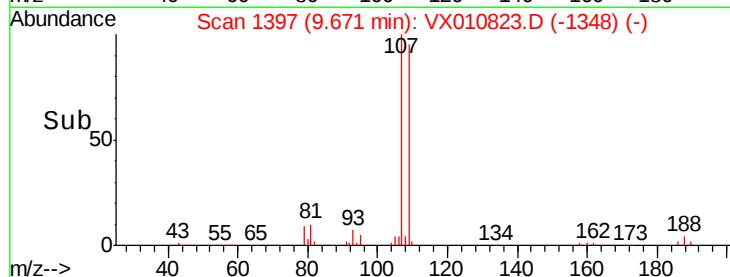
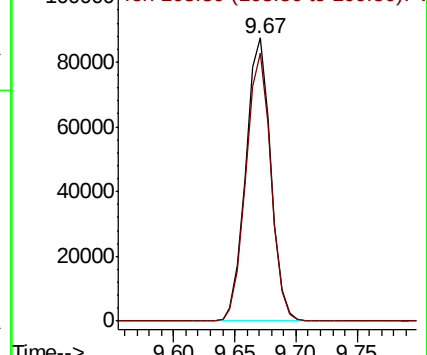
107 100

109 94.8 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.209 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

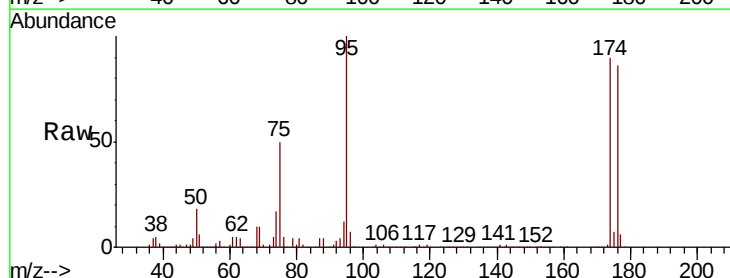
Tgt Ion: 95 Resp: 140413

Ion Ratio Lower Upper

95 100

174 92.3 0.0 187.6

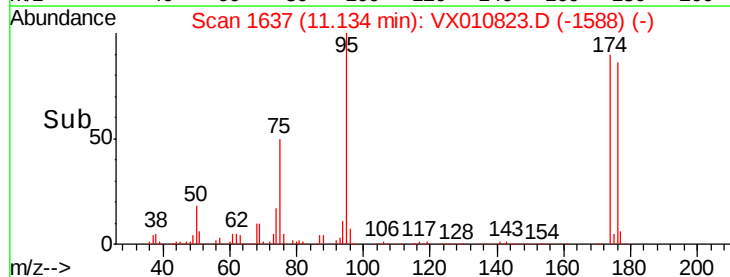
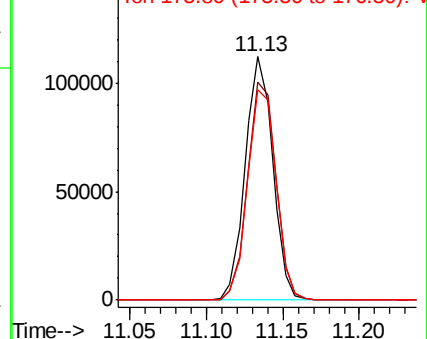
176 89.8 0.0 184.0

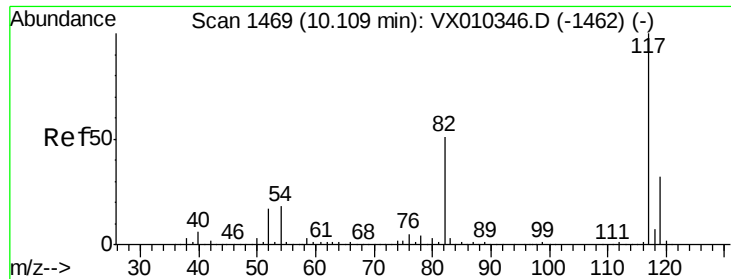


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

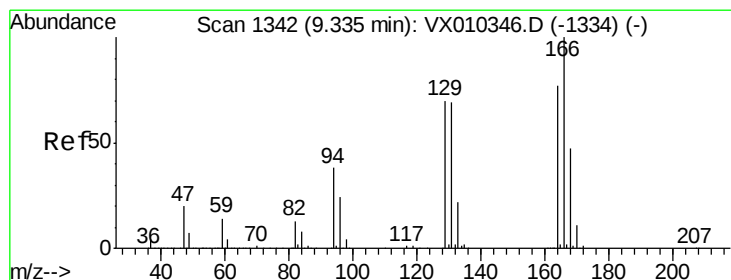
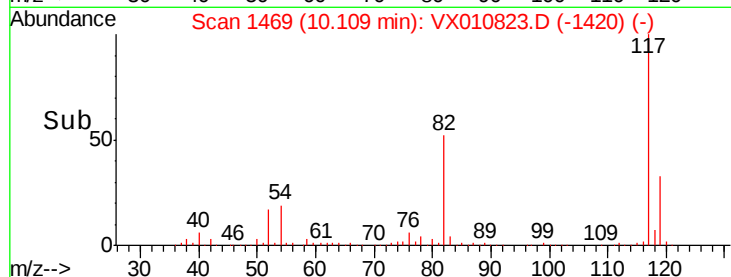
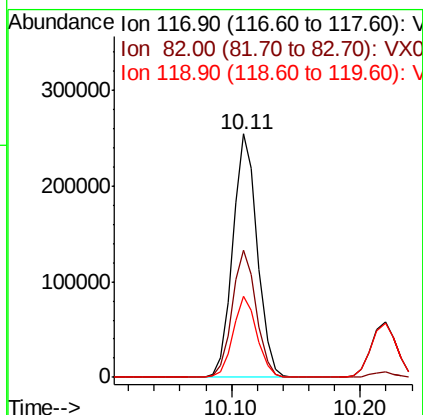
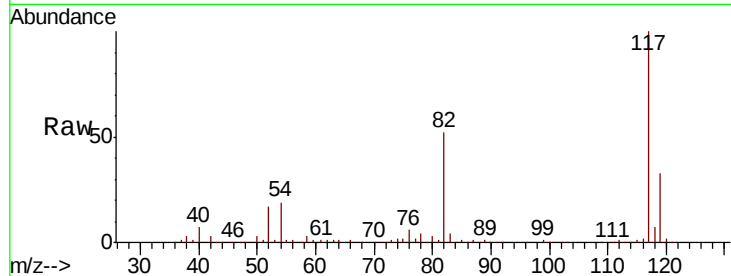




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

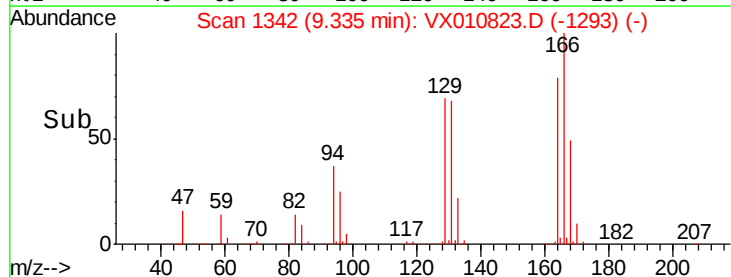
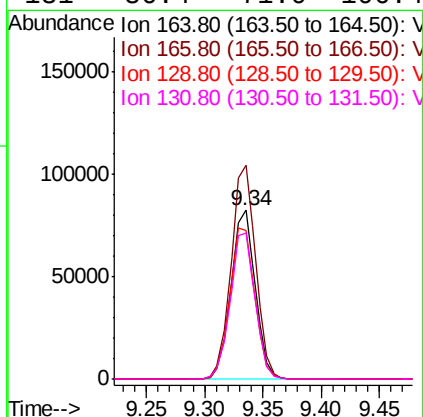
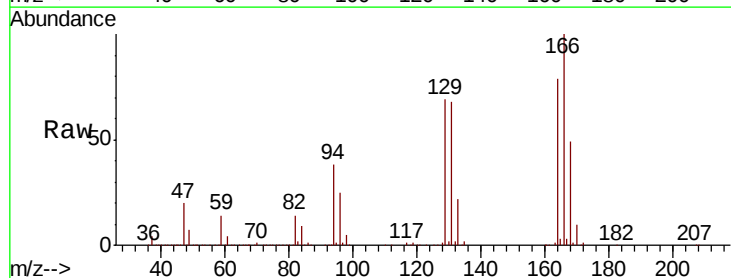
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

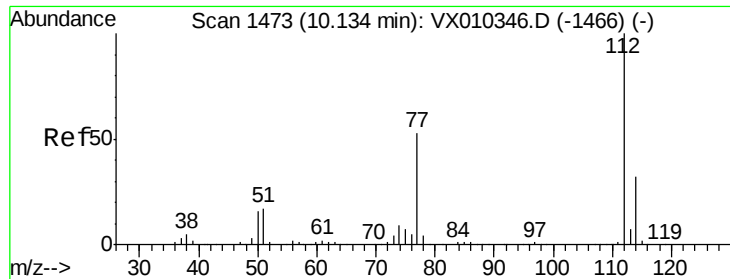
Tot Ion:117 Resp: 337074
Ion Ratio Lower Upper
117 100
82 52.1 41.2 61.8
119 33.2 25.5 38.3



#64
Tetrachloroethene
Concen: 43.790 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion:164 Resp: 119386
Ion Ratio Lower Upper
164 100
166 126.8 103.6 155.4
129 88.1 73.0 109.4
131 86.4 71.0 106.4

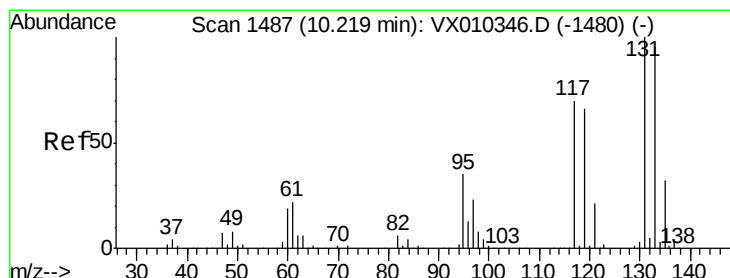
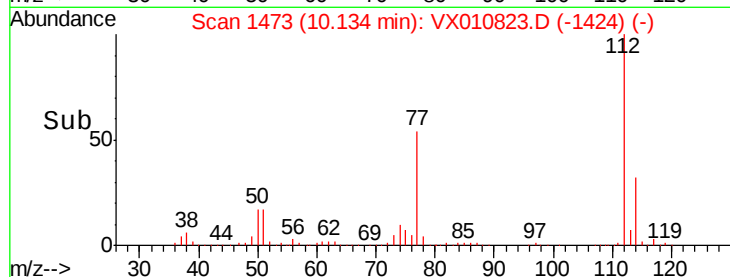
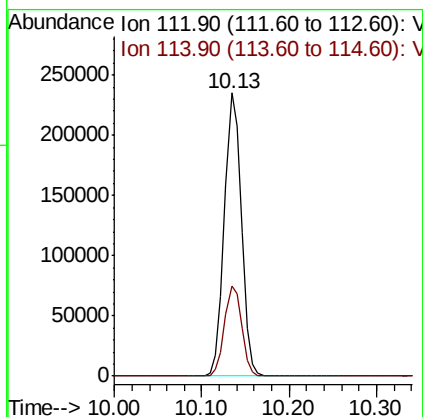
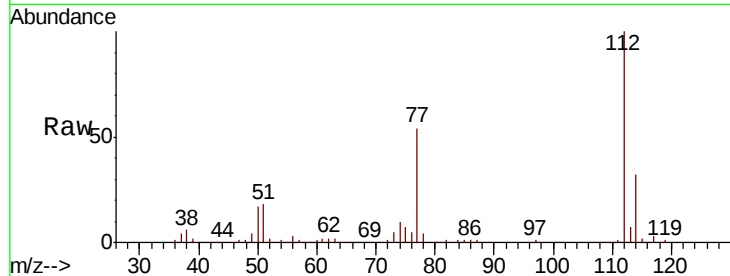




#65
Chlorobenzene
Concen: 46.198 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

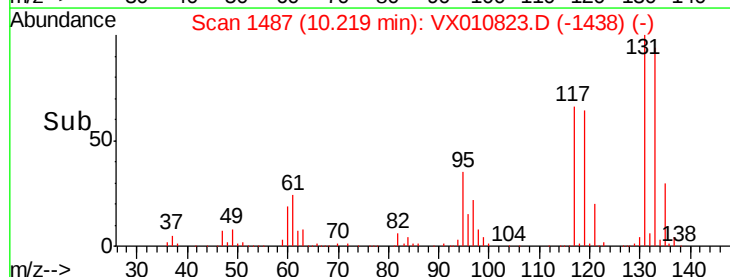
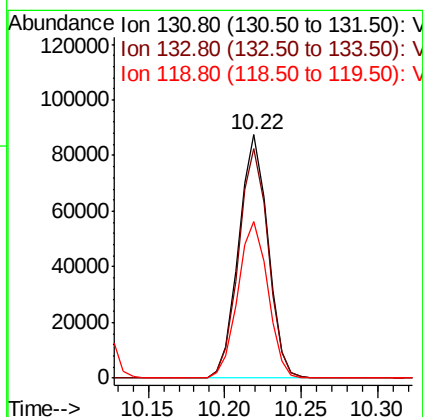
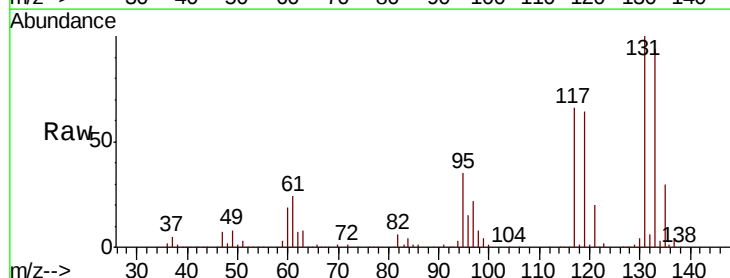
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

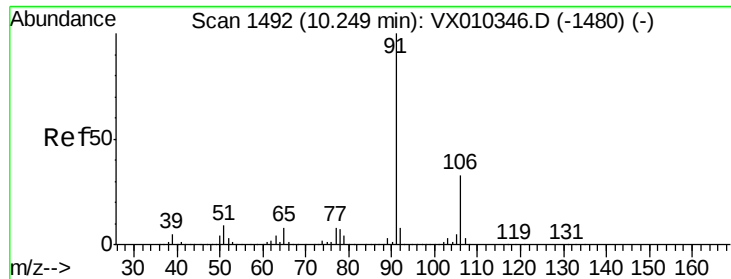
Tot Ion:112 Resp: 316142
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 46.721 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion:131 Resp: 116461
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 66.1 32.6 97.7

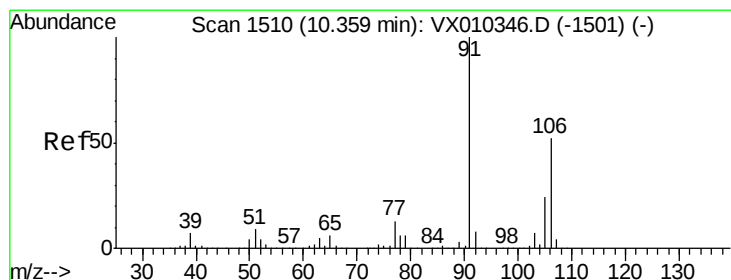
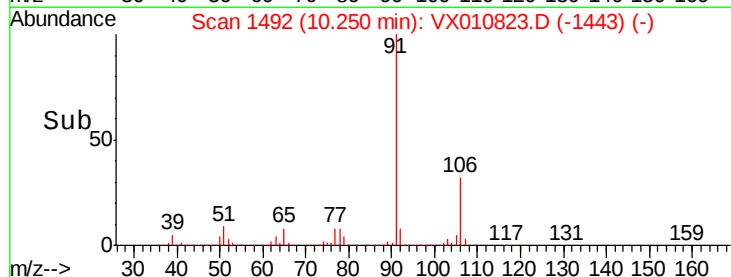
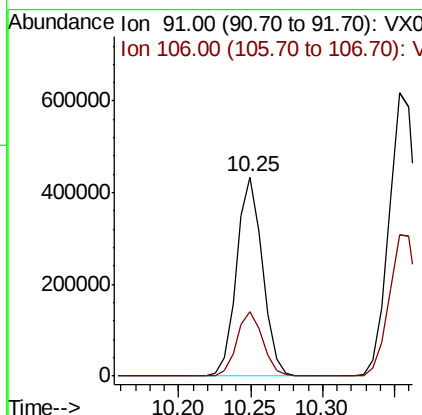
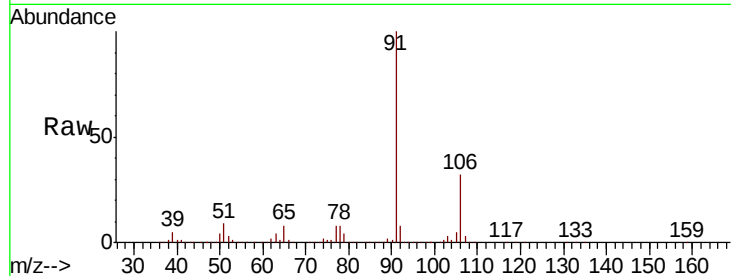




#67
Ethyl Benzene
Concen: 47.208 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

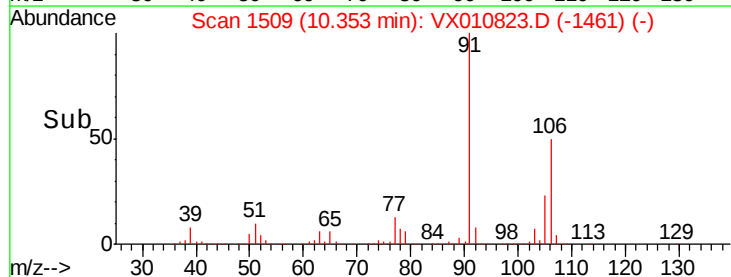
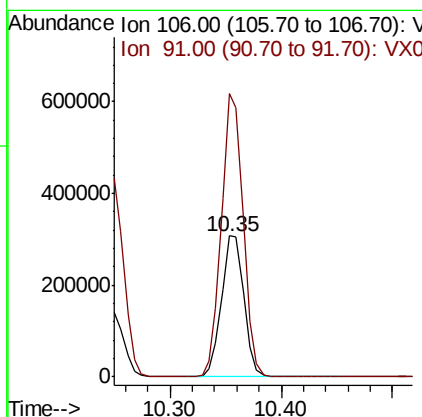
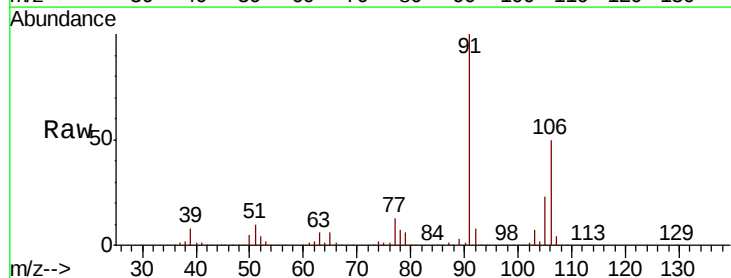
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

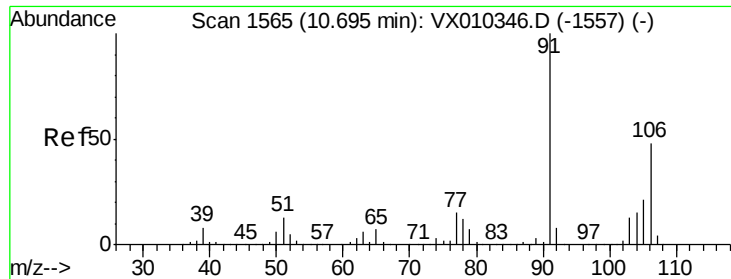
Tot Ion: 91 Resp: 545389
Ion Ratio Lower Upper
91 100
106 32.5 26.2 39.2



#68
m/p-Xylenes
Concen: 95.347 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 106 Resp: 426819
Ion Ratio Lower Upper
106 100
91 195.8 155.3 232.9

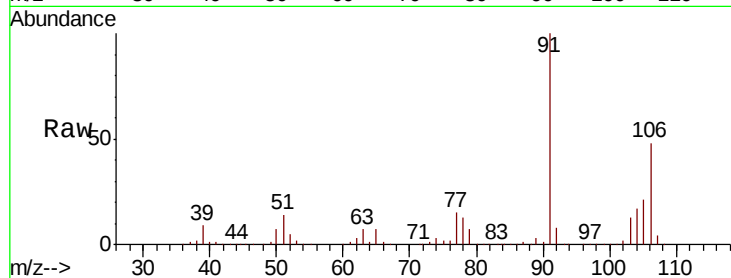




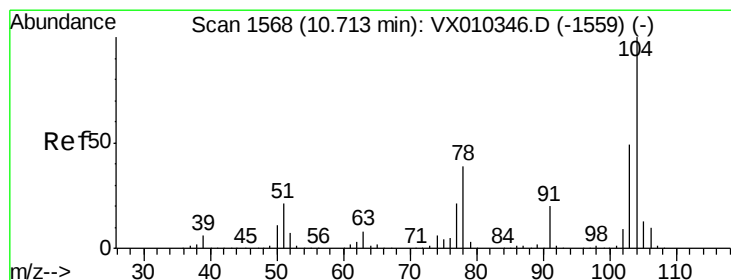
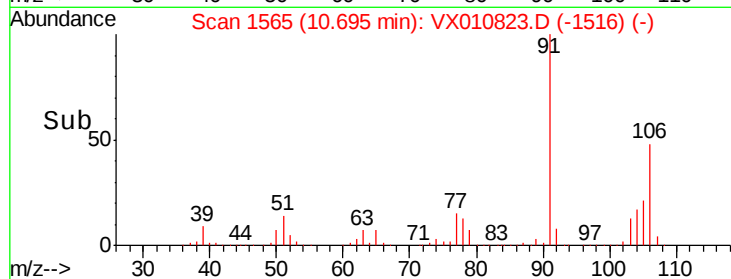
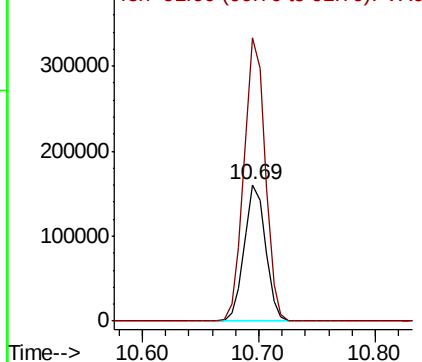
#69
o-Xylene
Concen: 46.974 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 206790
Ion Ratio Lower Upper
106 100
91 207.3 102.7 308.1

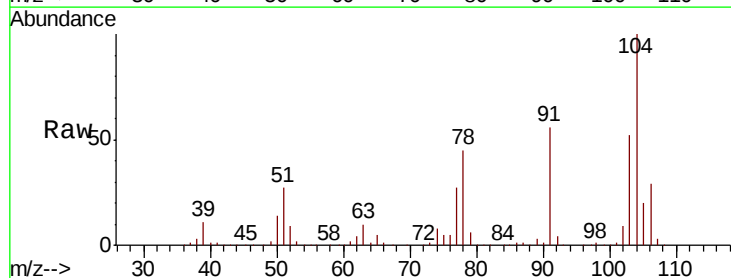


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

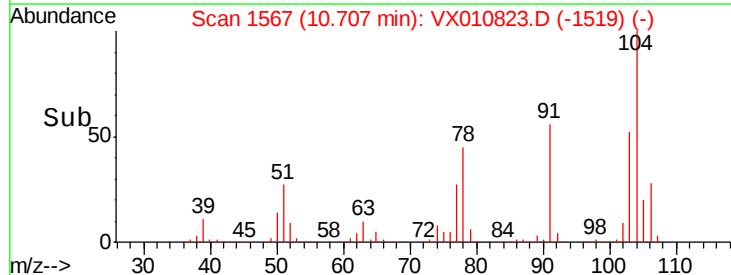
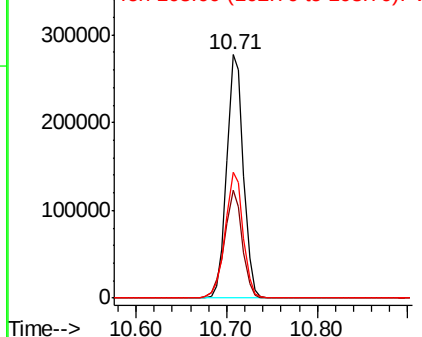


#70
Styrene
Concen: 47.940 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion:104 Resp: 353924
Ion Ratio Lower Upper
104 100
78 47.5 36.2 54.2
103 55.5 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 44.800 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

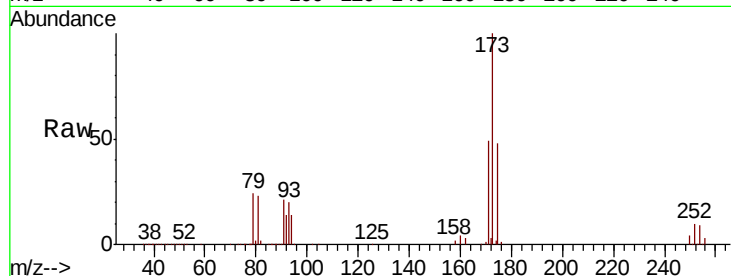
Tot Ion:173 Resp: 97112

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.3

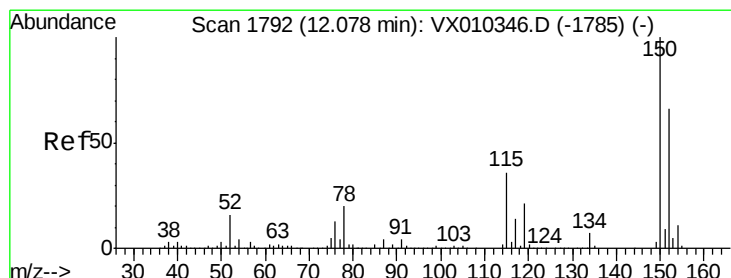
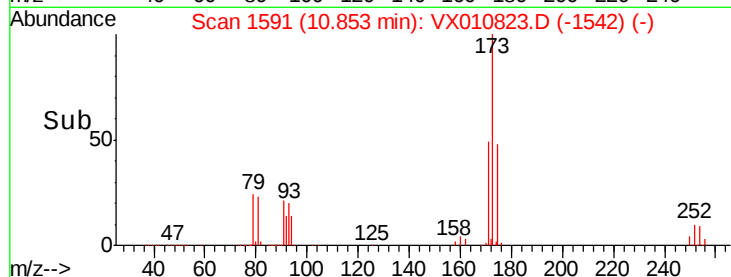
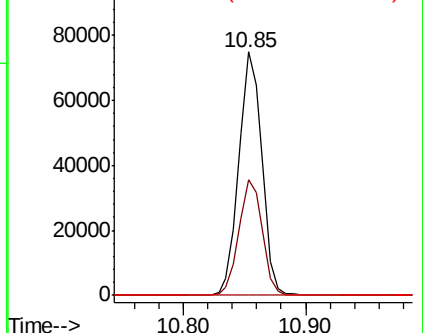
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

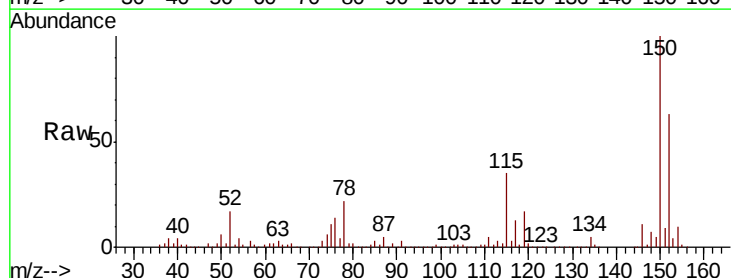
Tgt Ion:152 Resp: 180711

Ion Ratio Lower Upper

152 100

115 78.0 38.6 115.7

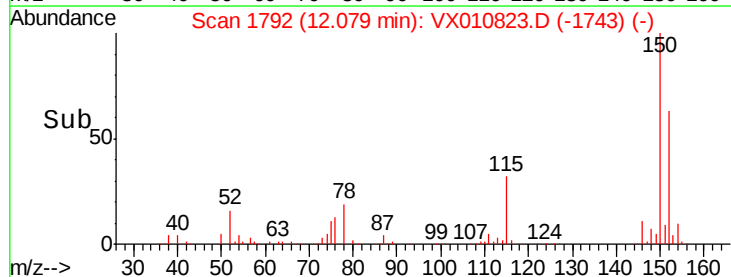
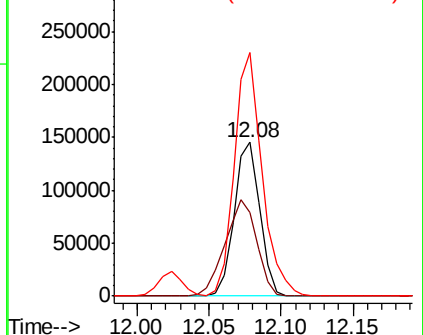
150 171.7 0.0 347.4

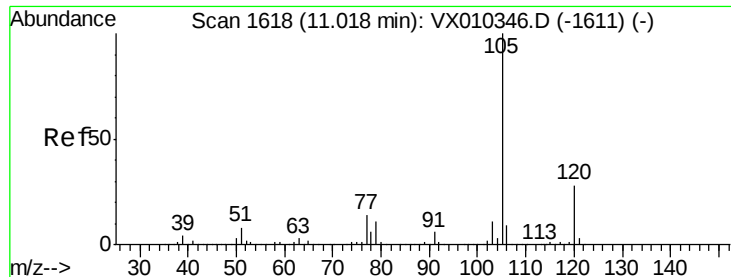


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.454 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

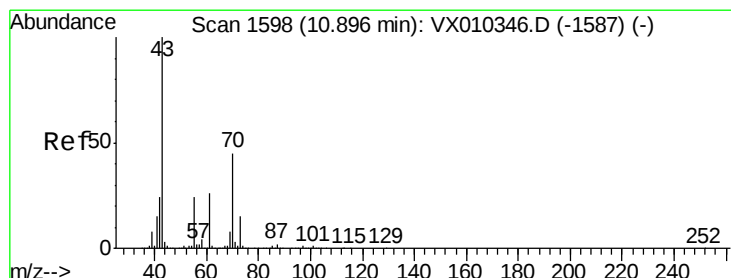
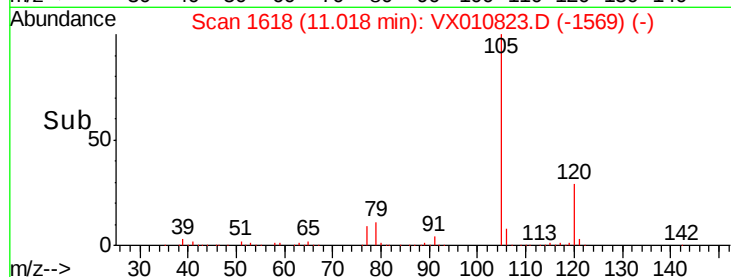
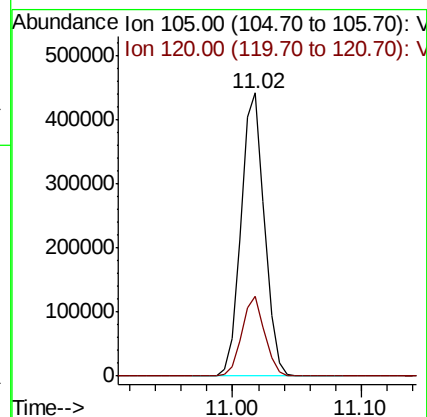
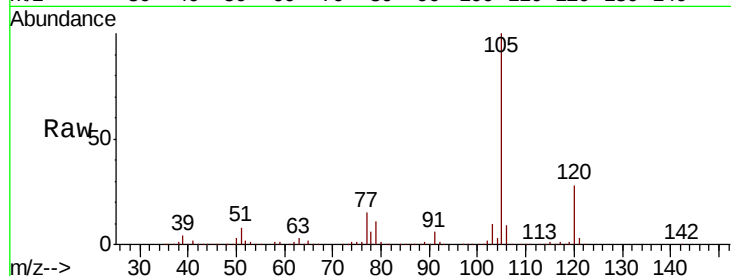
VSTDCCC050

Tot Ion:105 Resp: 556813

Ion Ratio Lower Upper

105 100

120 27.4 14.1 42.4



#74

N-ethyl acetate

Concen: 47.335 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Tgt Ion: 43 Resp: 219140

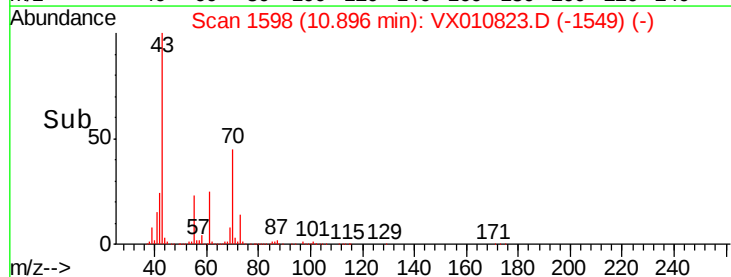
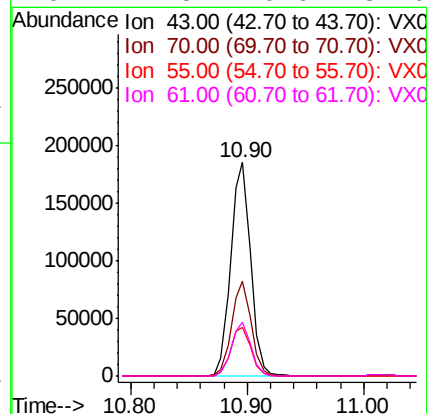
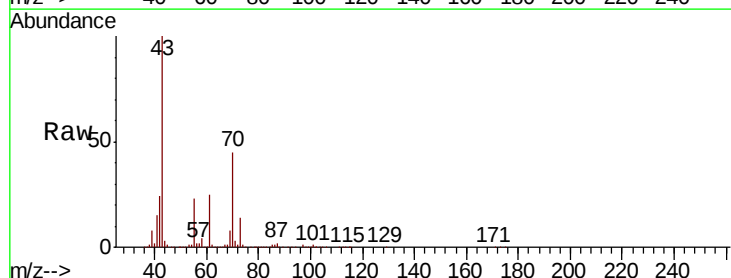
Ion Ratio Lower Upper

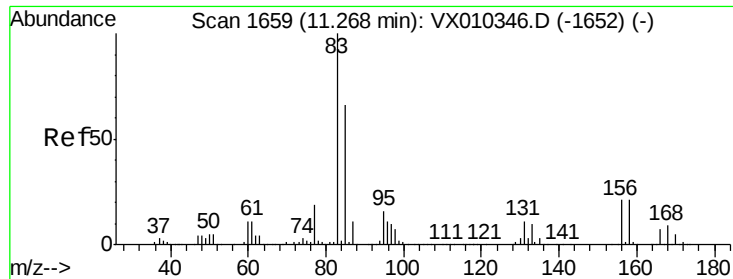
43 100

70 44.0 36.6 54.8

55 23.8 18.7 28.1

61 24.8 20.6 31.0

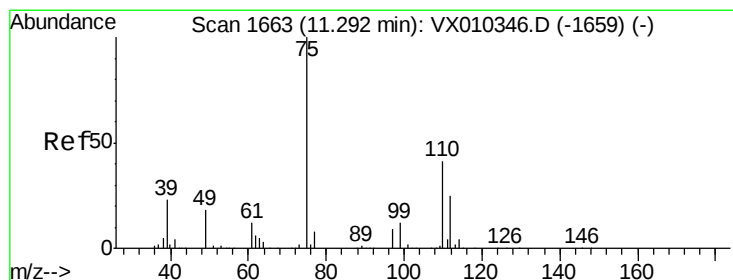
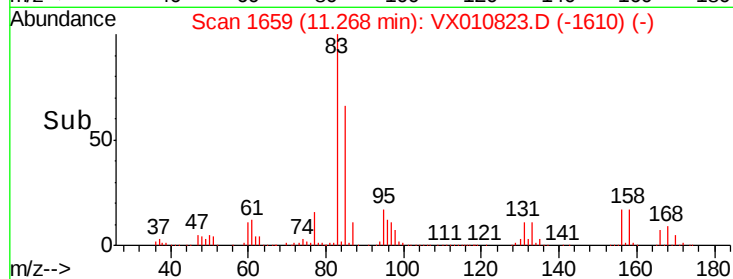
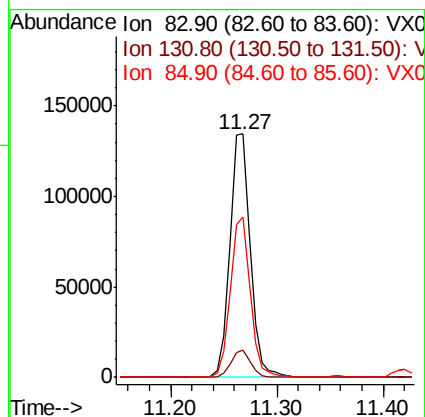
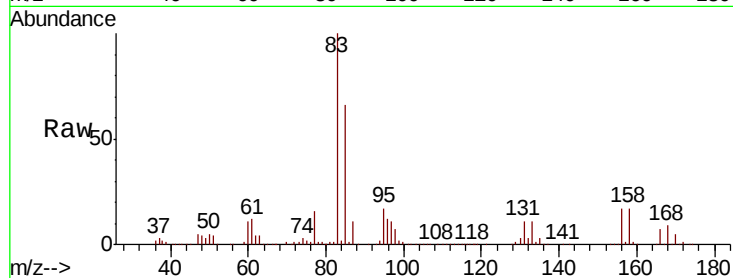




#75
 1,1,2,2-Tetrachloroethane
 Concen: 44.744 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

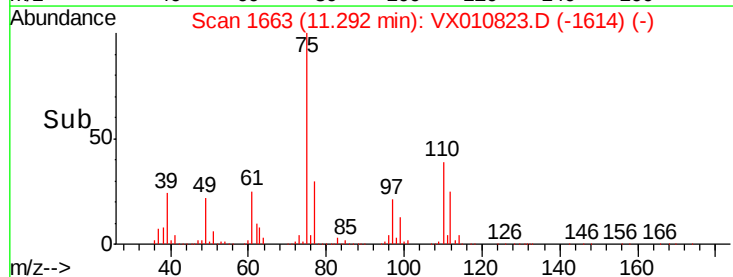
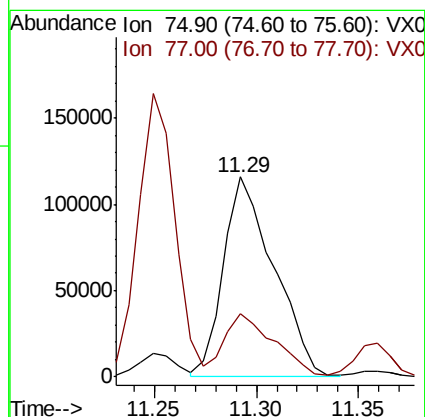
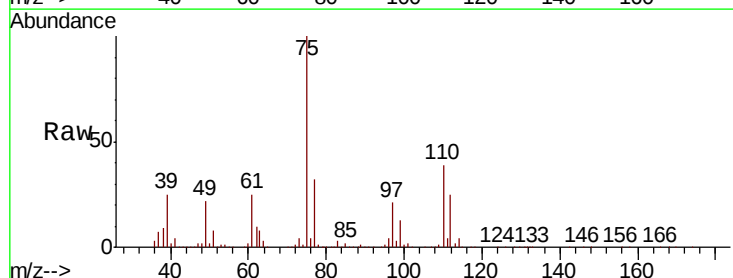
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

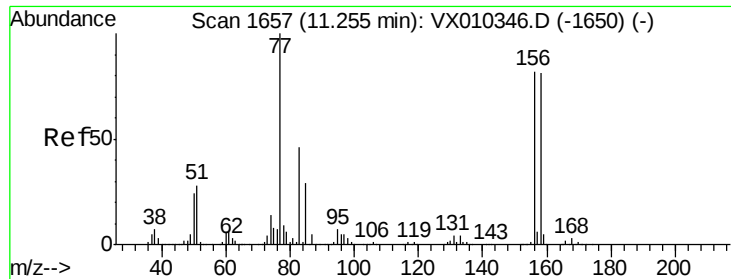
Tot Ion	83	Resp	181519
Ion Ratio	100		
Lower	5.5		
Upper	16.4		
85	64.8	32.3	96.8



#76
 1,2,3-Trichloropropane
 Concen: 60.414 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Tgt Ion	75	Resp	198946
Ion Ratio	100		
Lower	22.6		
Upper	67.8		
77	31.3		





#77

Bromobenzene

Concen: 44.363 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

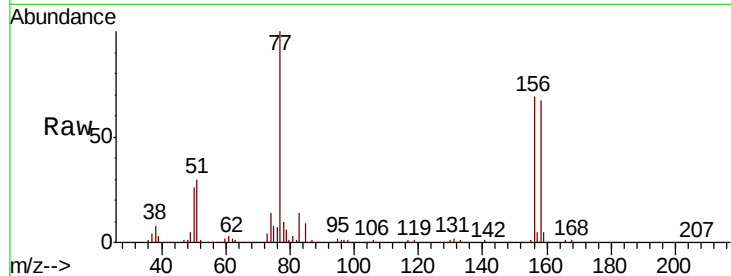
Tot Ion:156 Resp: 151745

Ion Ratio Lower Upper

156 100

77 135.5 66.3 198.7

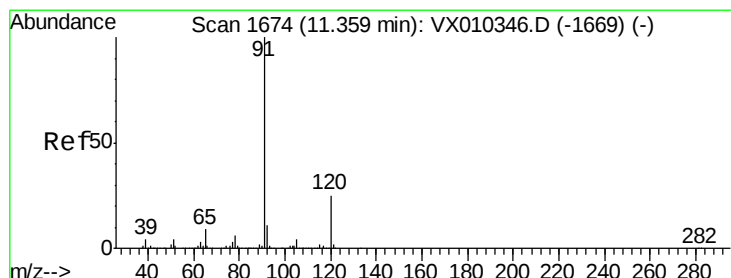
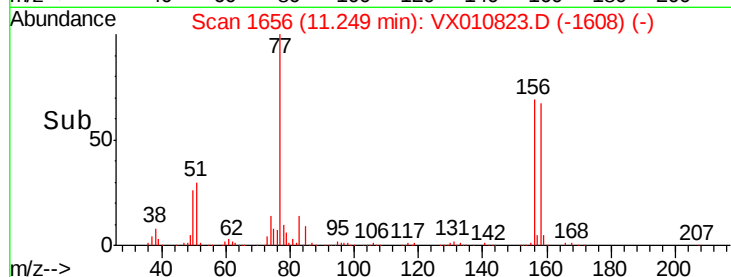
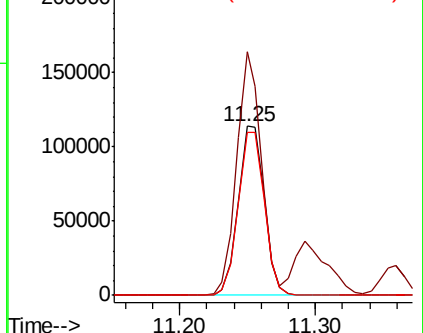
158 97.0 48.9 146.7



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: 47.373 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010823.D

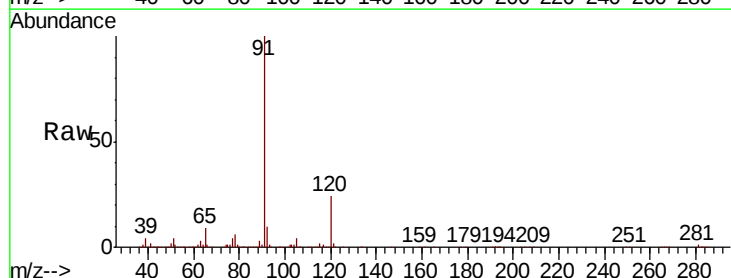
Acq: 12 Jul 2019 09:41

Tgt Ion: 91 Resp: 637798

Ion Ratio Lower Upper

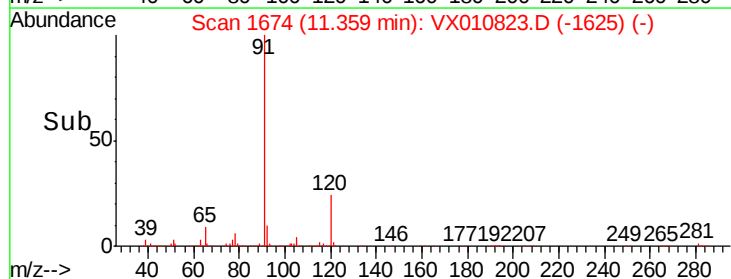
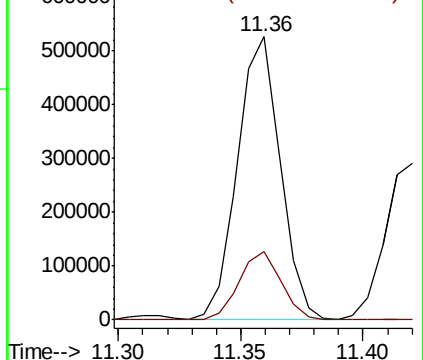
91 100

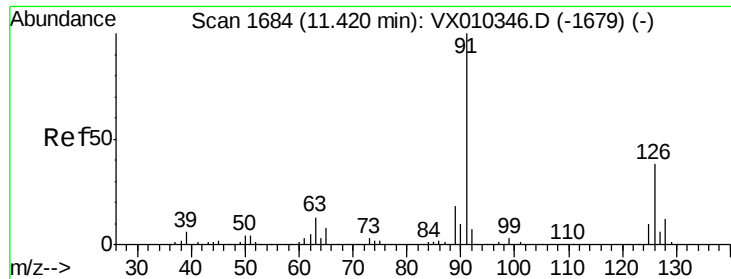
120 24.0 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

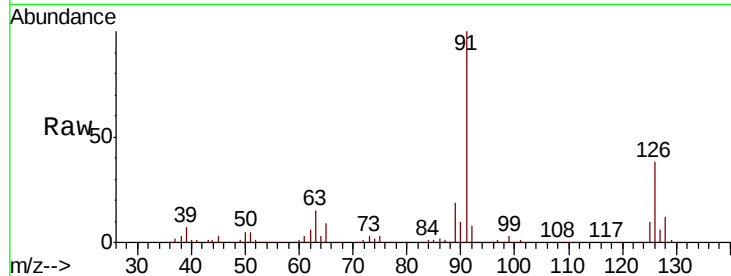




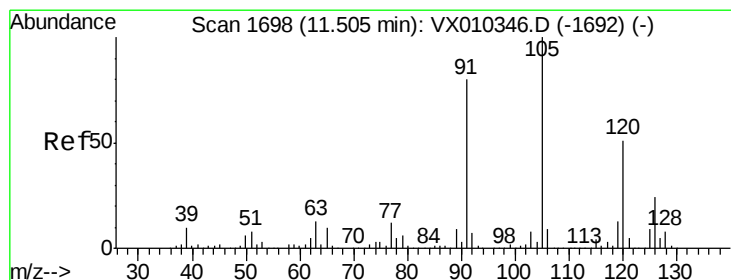
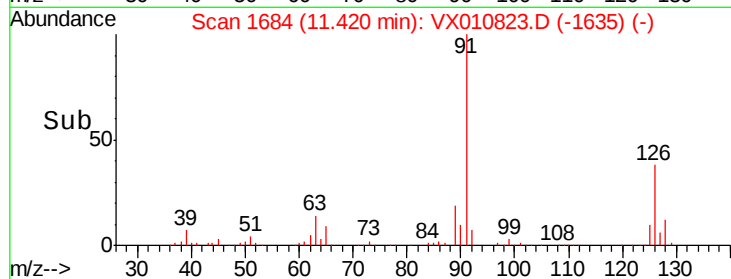
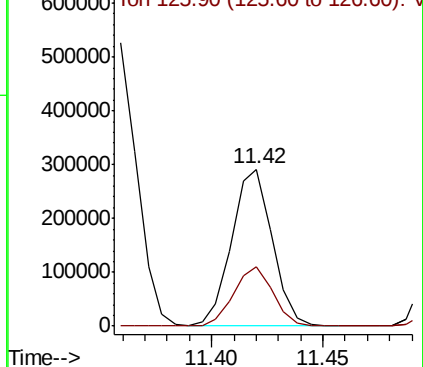
#79
 2-Chlorotoluene
 Concen: 45.934 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 368252
 Ion Ratio Lower Upper
 91 100
 126 37.0 18.7 56.1

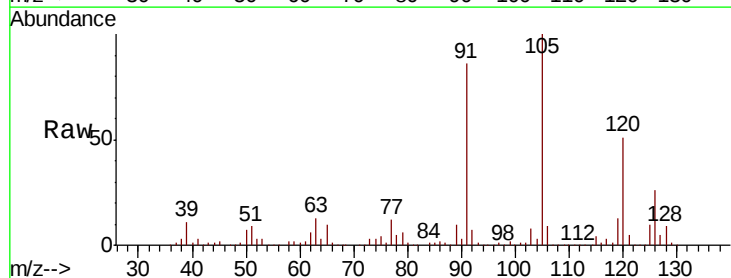


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

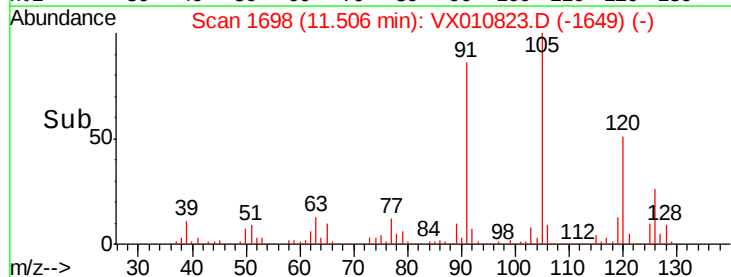
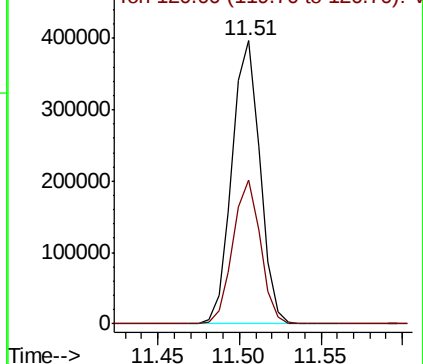


#80
 1,3,5-Trimethylbenzene
 Concen: 46.928 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010823.D
 Acq: 12 Jul 2019 09:41

Tgt Ion: 105 Resp: 473911
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.2 75.6



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

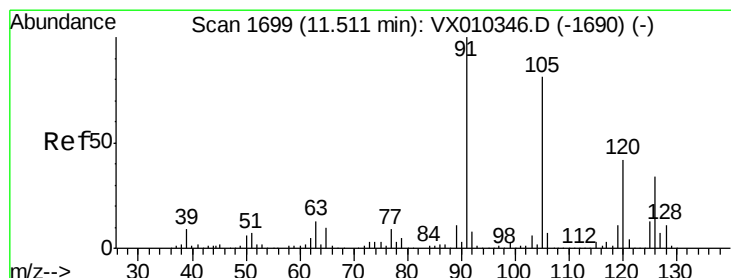
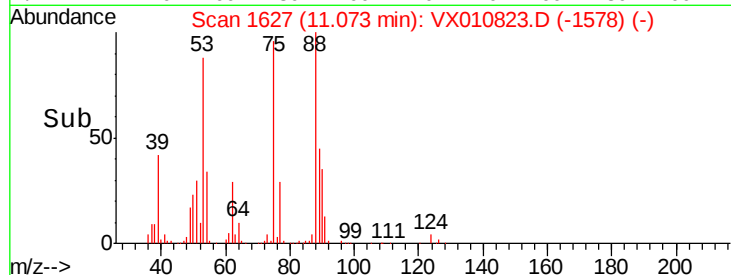
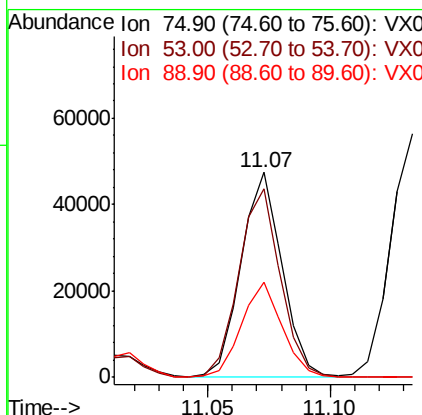
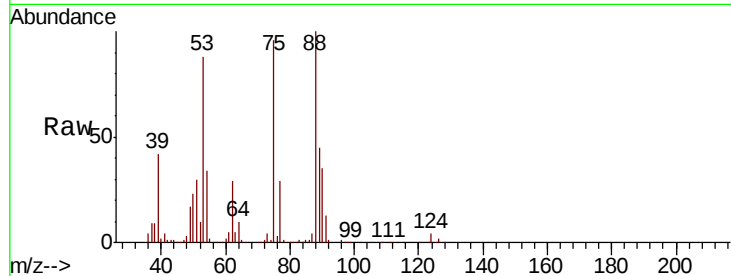




#81
trans-1,4-Dichloro-2-butene
Concen: 39.191 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

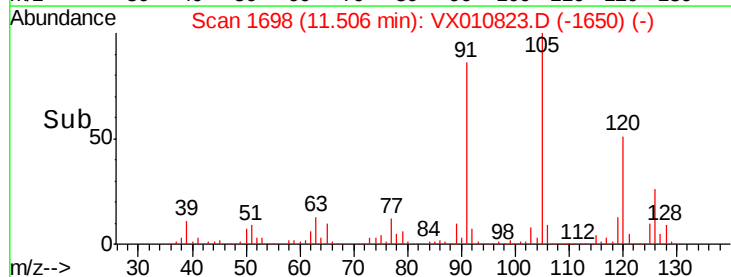
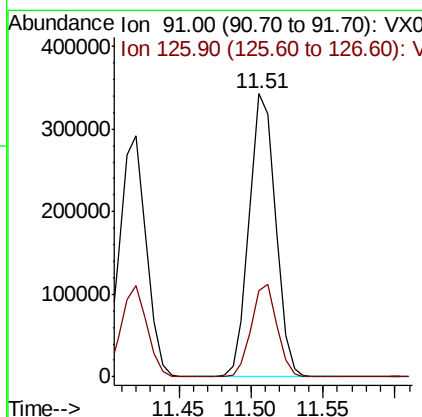
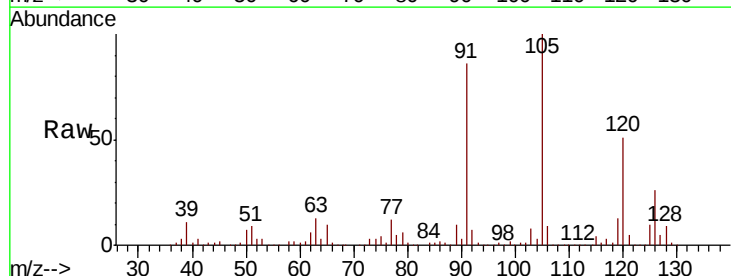
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 55320
Ion Ratio Lower Upper
75 100
53 93.0 66.1 99.1
89 46.4 37.8 56.6



#82
4-Chlorotoluene
Concen: 47.528 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 91 Resp: 433579
Ion Ratio Lower Upper
91 100
126 32.0 16.2 48.6





#83

tert-Butylbenzene

Concen: 46.089 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

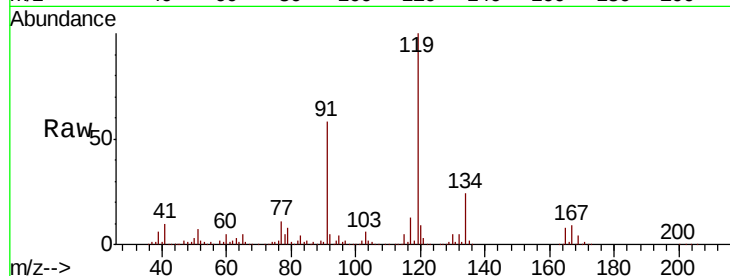
Tot Ion:119 Resp: 467156

Ion Ratio Lower Upper

119 100

91 56.1 27.6 82.7

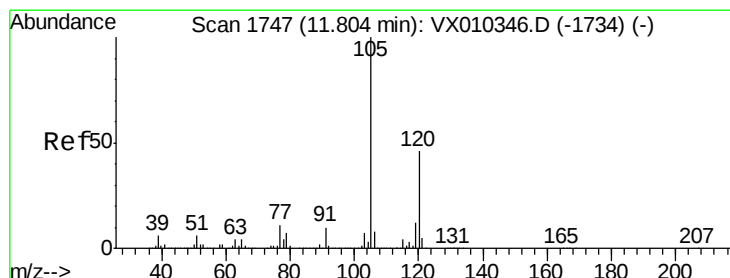
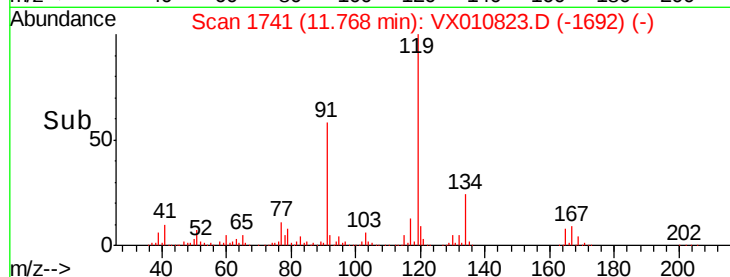
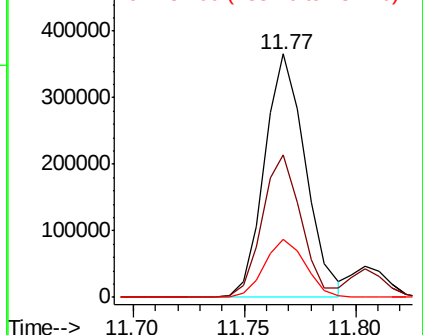
134 23.6 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.511 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010823.D

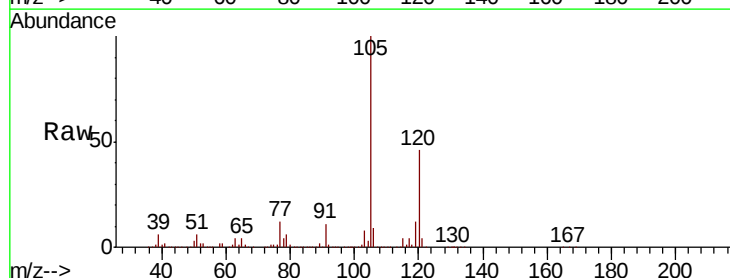
Acq: 12 Jul 2019 09:41

Tgt Ion:105 Resp: 482044

Ion Ratio Lower Upper

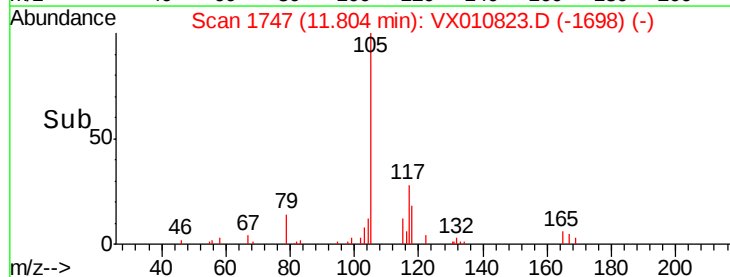
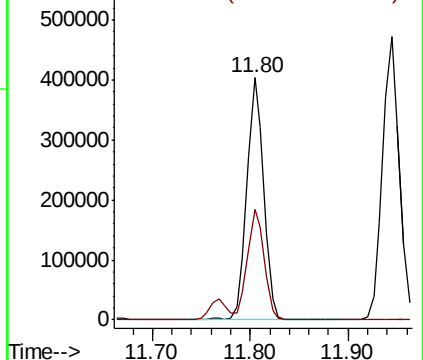
105 100

120 46.0 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.099 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

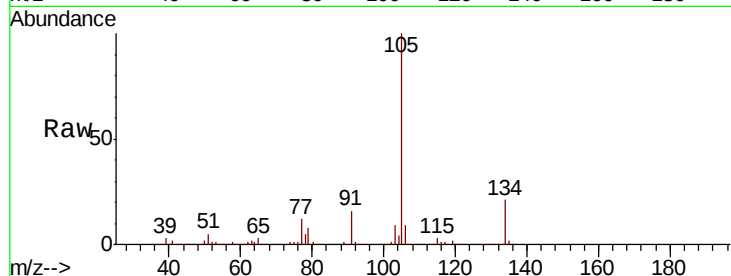
VSTDCCC050

Tot Ion:105 Resp: 560515

Ion Ratio Lower Upper

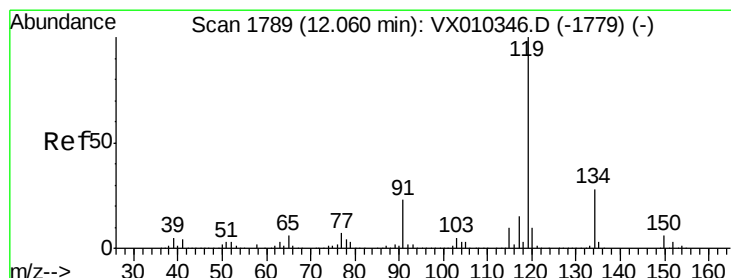
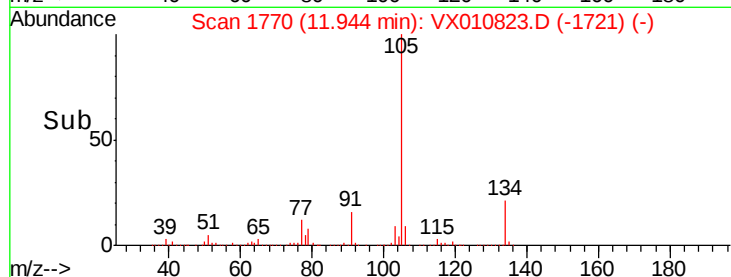
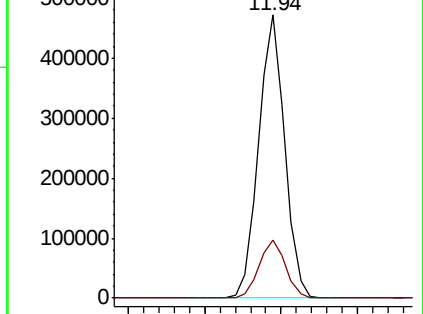
105 100

134 20.9 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.851 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

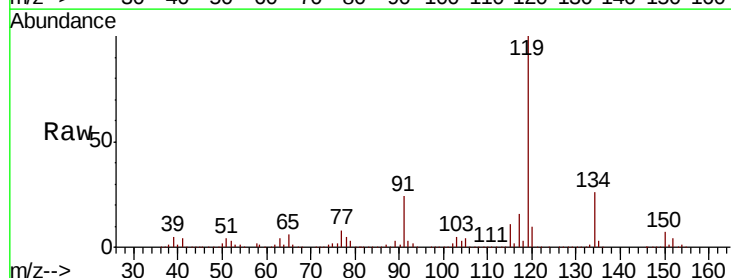
Tgt Ion:119 Resp: 526735

Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.1

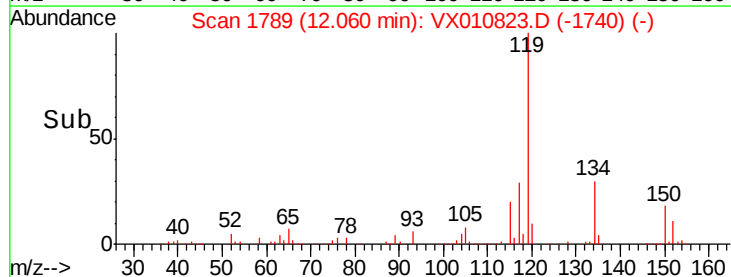
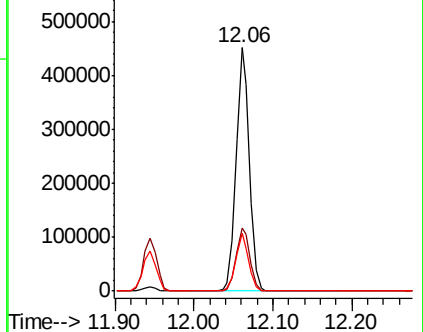
91 22.8 11.3 33.8

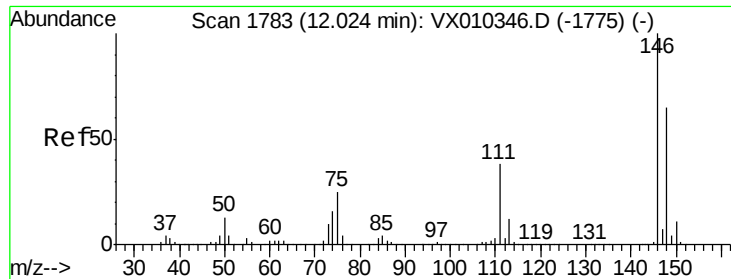


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 46.290 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

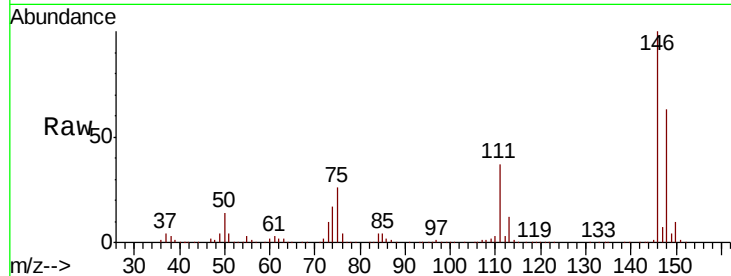
Tot Ion:146 Resp: 276389

Ion Ratio Lower Upper

146 100

111 37.2 19.1 57.1

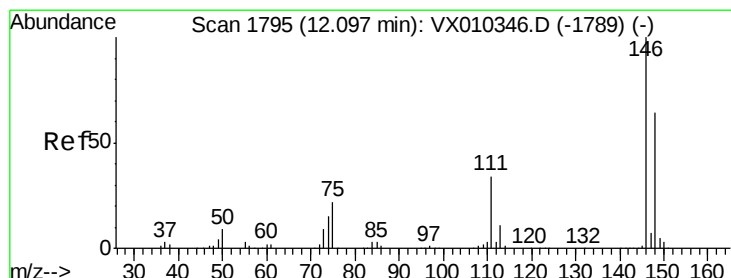
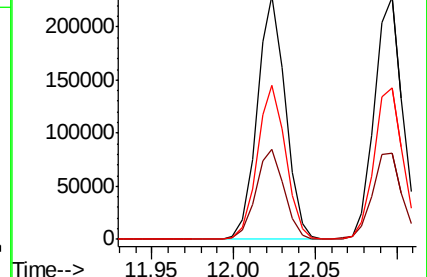
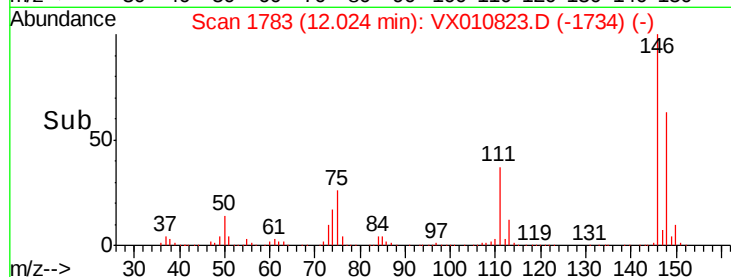
148 63.7 32.5 97.4



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: 44.948 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

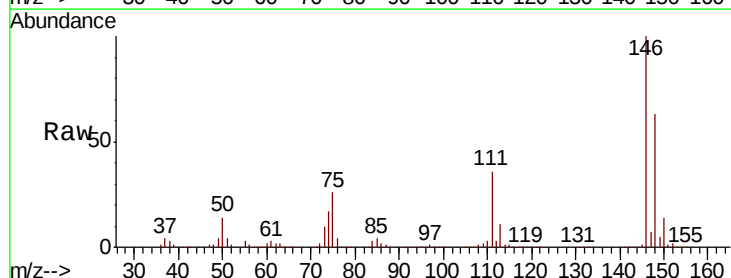
Tgt Ion:146 Resp: 273220

Ion Ratio Lower Upper

146 100

111 37.4 18.1 54.3

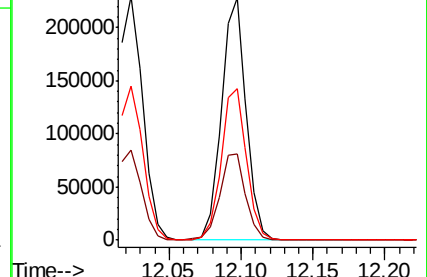
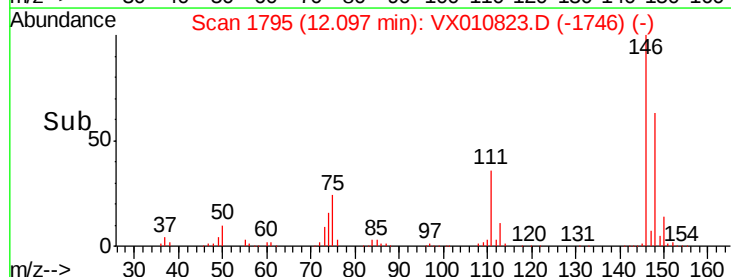
148 64.3 32.1 96.3

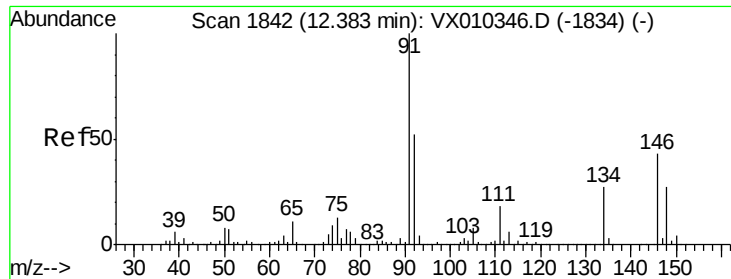


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

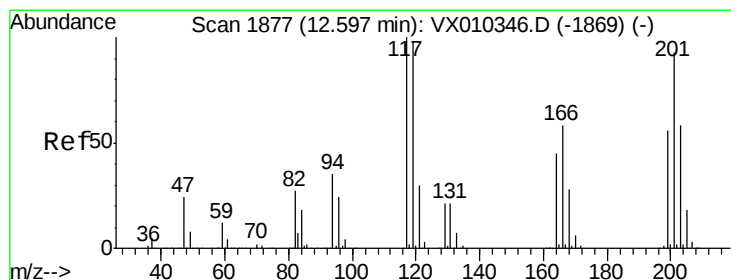
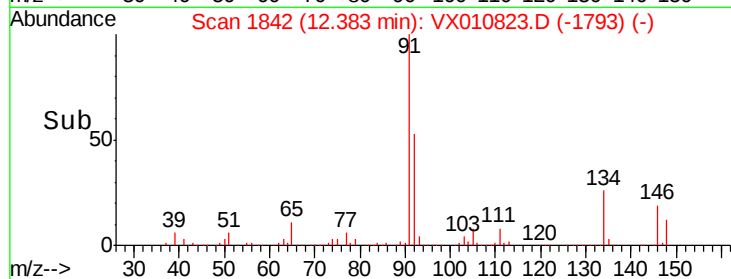
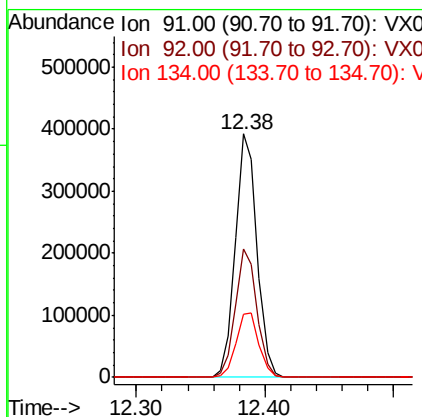
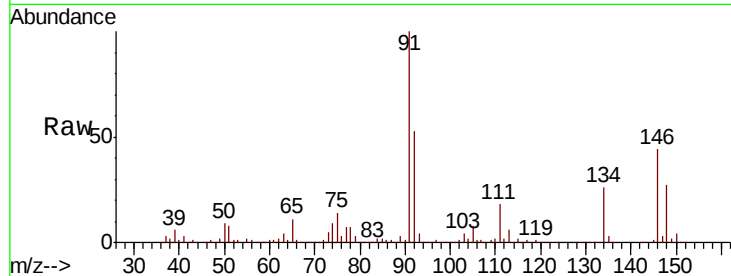




#89
n-Butylbenzene
Concen: 49.044 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

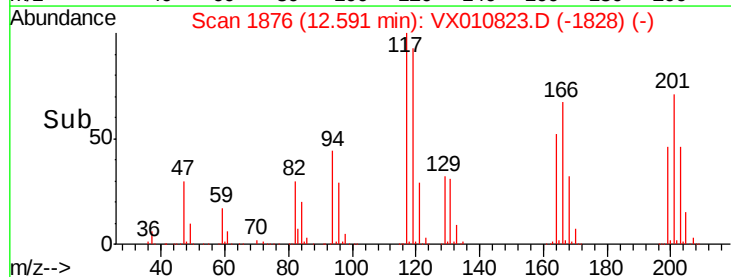
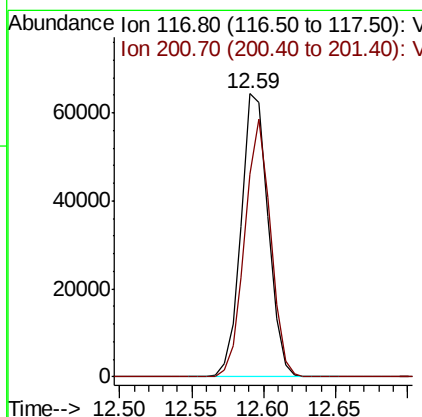
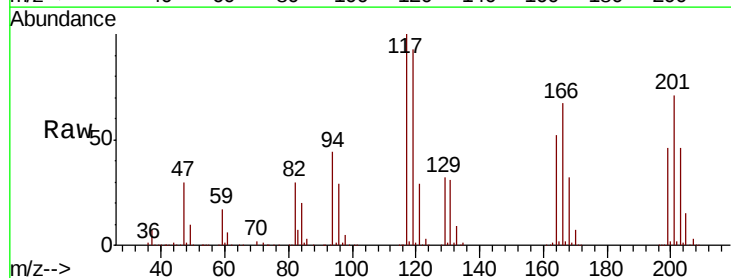
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 458759
Ion Ratio Lower Upper
91 100
92 52.7 26.2 78.5
134 27.6 14.1 42.4



#90
Hexachloroethane
Concen: 44.026 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010823.D
Acq: 12 Jul 2019 09:41

Tgt Ion: 117 Resp: 83799
Ion Ratio Lower Upper
117 100
201 86.1 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 45.243 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

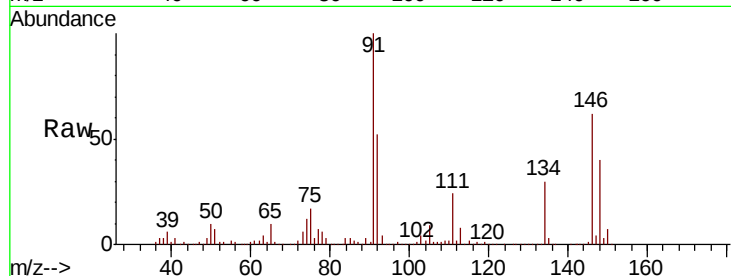
Tot Ion:146 Resp: 268480

Ion Ratio Lower Upper

146 100

111 38.9 19.2 57.6

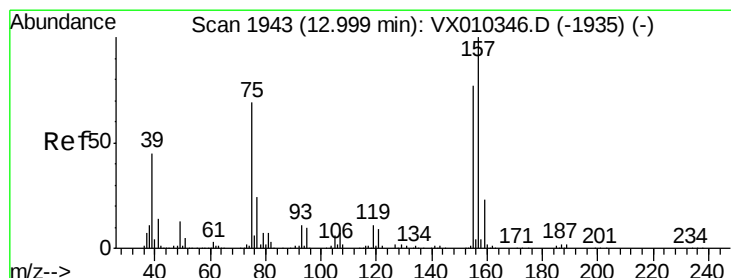
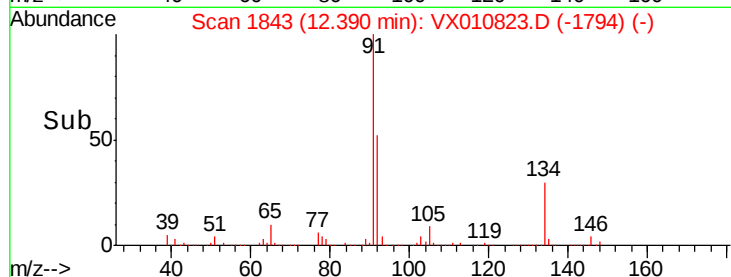
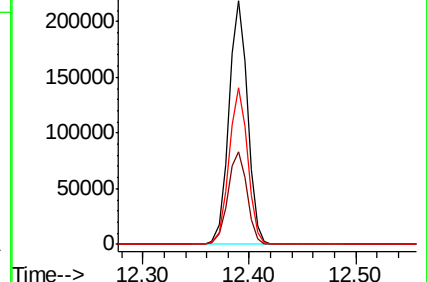
148 64.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.435 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

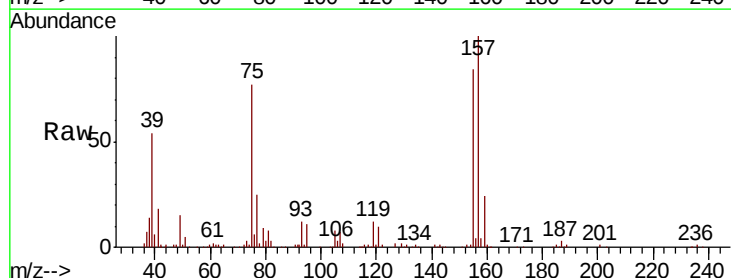
Tgt Ion: 75 Resp: 37117

Ion Ratio Lower Upper

75 100

155 101.1 54.4 163.1

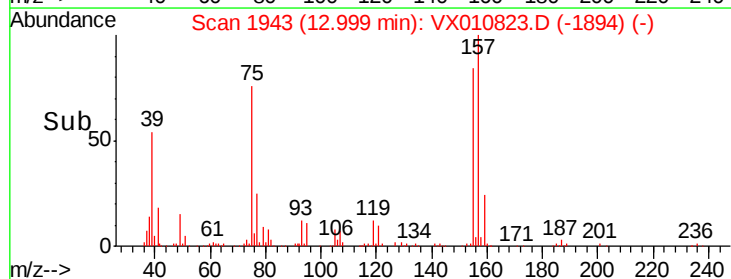
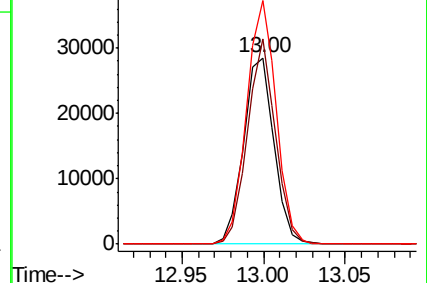
157 127.0 69.5 208.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 46.393 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

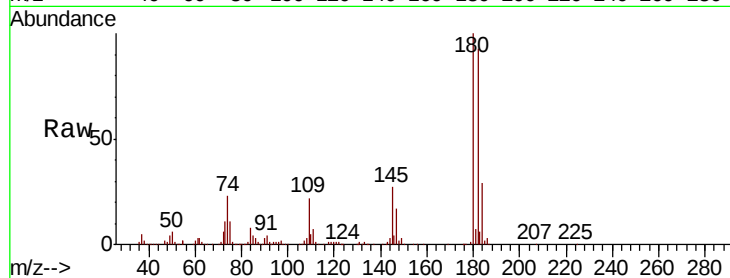
Tot Ion:180 Resp: 190918

Ion Ratio Lower Upper

180 100

182 94.3 48.0 144.0

145 29.1 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

13.65

200000

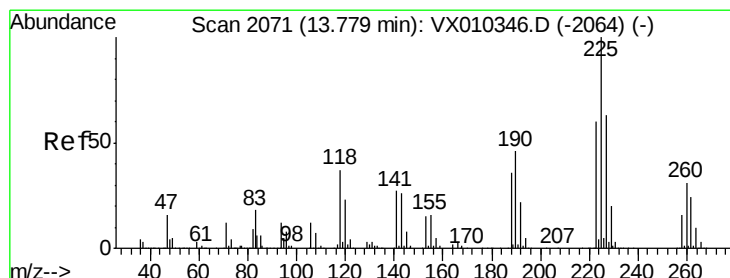
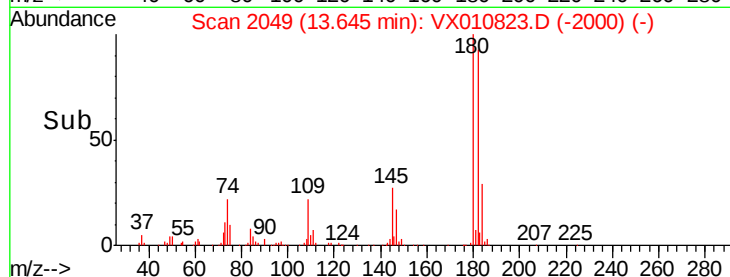
150000

100000

50000

0

Time--> 13.60 13.65 13.70



#94

Hexachlorobutadiene

Concen: 46.288 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

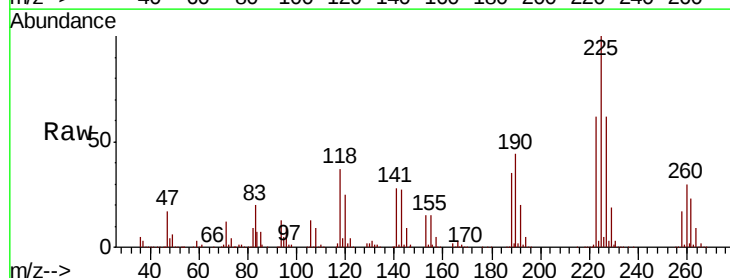
Tgt Ion:225 Resp: 93099

Ion Ratio Lower Upper

225 100

223 63.6 30.9 92.7

227 63.2 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

13.78

100000

80000

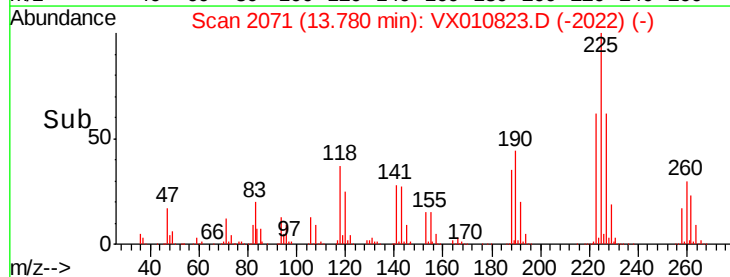
60000

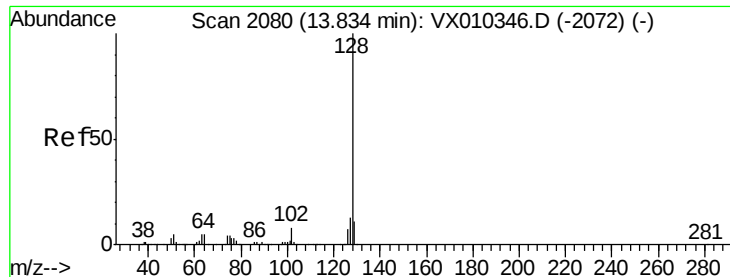
40000

20000

0

Time--> 13.75 13.80 13.85





#95

Naphthalene

Concen: 44.703 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

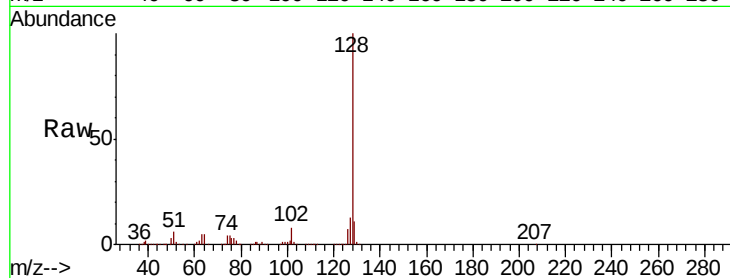
Tot Ion:128 Resp: 565334

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

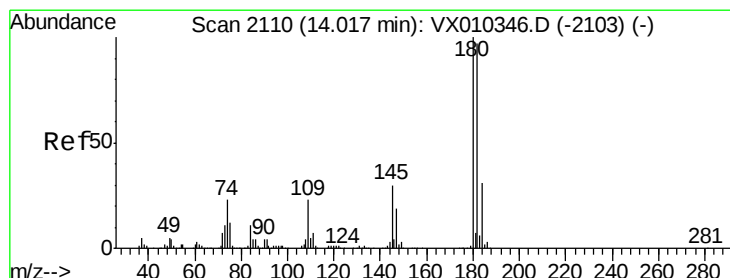
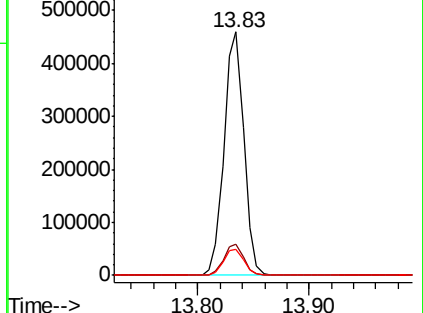
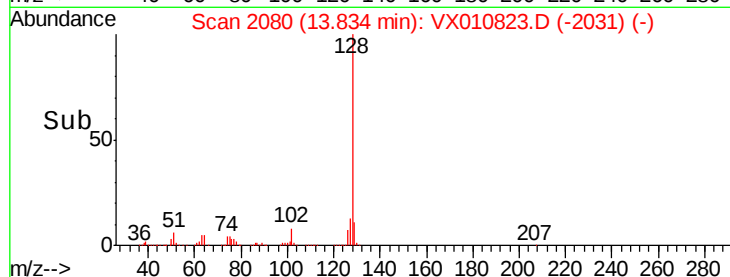
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.331 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010823.D

Acq: 12 Jul 2019 09:41

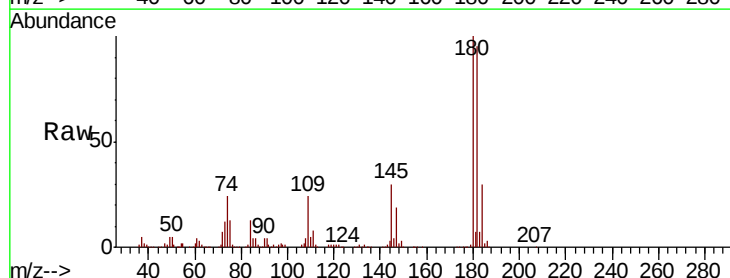
Tgt Ion:180 Resp: 189571

Ion Ratio Lower Upper

180 100

182 93.4 47.8 143.3

145 30.8 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

