

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041919\
 Data File : VX009082.D
 Acq On : 19 Apr 2019 19:48
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 20 00:42:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	199657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334808	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135310	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	150033	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
35) Dibromofluoromethane	5.50	113	111010	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
50) Toluene-d8	8.71	98	429472	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	11.13	95	151619	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	116462	50.643	ug/l 100
3) Chloromethane	1.32	50	130813	46.334	ug/l 99
4) Vinyl Chloride	1.41	62	135778	49.412	ug/l 100
5) Bromomethane	1.64	94	72412	42.692	ug/l 96
6) Chloroethane	1.71	64	82909	51.310	ug/l 96
7) Trichlorofluoromethane	1.92	101	162304	50.589	ug/l 96
8) Diethyl Ether	2.19	74	75509	51.463	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	104070	50.734	ug/l 98
10) Methyl Iodide	2.51	142	83062	38.180	ug/l 99
11) Tert butyl alcohol	3.06	59	170247	272.581	ug/l 100
12) 1,1-Dichloroethene	2.37	96	103204	48.202	ug/l 99
13) Acrolein	2.29	56	128917	238.887	ug/l 98
14) Allyl chloride	2.72	41	251936	53.934	ug/l 99
15) Acrylonitrile	3.15	53	440056	277.556	ug/l 100
16) Acetone	2.45	43	387936	265.867	ug/l 98
17) Carbon Disulfide	2.56	76	285161	45.440	ug/l 100
18) Methyl Acetate	2.78	43	209994	57.664	ug/l 99
19) Methyl tert-butyl Ether	3.20	73	410931	53.864	ug/l 99
20) Methylene Chloride	2.85	84	124910	50.058	ug/l 94
21) trans-1,2-Dichloroethene	3.16	96	113263	49.596	ug/l 94
22) Diisopropyl ether	3.86	45	497495	54.808	ug/l 90
23) Vinyl Acetate	3.82	43	2236267	280.269	ug/l 99
24) 1,1-Dichloroethane	3.70	63	242326	53.183	ug/l 100
25) 2-Butanone	4.68	43	656033	281.277	ug/l 100
26) 2,2-Dichloropropane	4.58	77	161483	47.280	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	133305	51.412	ug/l 99
28) Bromochloromethane	5.02	49	106134	56.323	ug/l 98
29) Tetrahydrofuran	5.13	42	436962	279.911	ug/l 99
30) Chloroform	5.21	83	219206	53.761	ug/l 98
31) Cyclohexane	5.58	56	227304	50.720	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	177487	52.521	ug/l 99
36) 1,1-Dichloropropene	5.80	75	165323	47.745	ug/l 99
37) Ethyl Acetate	4.84	43	247396	55.524	ug/l 100
38) Carbon Tetrachloride	5.78	117	148423	50.561	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	200951	47.665	ug/l	98
40) Benzene	6.14	78	510287	49.955	ug/l	100
41) Methacrylonitrile	5.04	41	136830	53.507	ug/l	98
42) 1,2-Dichloroethane	6.20	62	186087	51.426	ug/l	99
43) Isopropyl Acetate	6.45	43	385690	53.715	ug/l	99
44) Trichloroethene	7.21	130	118188	47.221	ug/l	96
45) 1,2-Dichloropropane	7.51	63	148974	52.568	ug/l	100
46) Dibromomethane	7.66	93	83229	50.464	ug/l	99
47) Bromodichloromethane	7.90	83	168917	52.218	ug/l	99
48) Methyl methacrylate	7.77	41	190146	53.595	ug/l	99
49) 1,4-Dioxane	7.74	88	62067	934.681	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1236432	270.296	ug/l	99
52) Toluene	8.79	92	297279	48.559	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	191471	51.432	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	213004	51.098	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	125306	51.644	ug/l	99
56) Ethyl methacrylate	9.18	69	226476	52.056	ug/l	99
57) 1,3-Dichloropropane	9.37	76	223267	51.681	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	604477	258.011	ug/l	99
59) 2-Hexanone	9.49	43	936490	265.540	ug/l	99
60) Dibromochloromethane	9.58	129	121745	52.354	ug/l	100
61) 1,2-Dibromoethane	9.67	107	126366	50.462	ug/l	99
64) Tetrachloroethene	9.34	164	104477	47.597	ug/l	98
65) Chlorobenzene	10.14	112	303347	49.739	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	113542	52.847	ug/l	99
67) Ethyl Benzene	10.25	91	559970	50.227	ug/l	99
68) m/p-Xylenes	10.36	106	406756	100.390	ug/l	99
69) o-Xylene	10.70	106	198564	50.366	ug/l	100
70) Styrene	10.71	104	345915	50.632	ug/l	99
71) Bromoform	10.86	173	89250	52.141	ug/l #	99
73) Isopropylbenzene	11.02	105	533564	52.023	ug/l	100
74) N-amyl acetate	10.90	43	320588	54.439	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	199078	53.123	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	236555	71.596	ug/l	80
77) Bromobenzene	11.26	156	126714	48.967	ug/l	98
78) n-propylbenzene	11.36	91	609437	51.770	ug/l	99
79) 2-Chlorotoluene	11.42	91	359645	50.698	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	441208	51.263	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	66162	51.409	ug/l	96
82) 4-Chlorotoluene	11.51	91	416354	50.537	ug/l	100
83) tert-Butylbenzene	11.77	119	434024	52.525	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	444541	50.741	ug/l	100
85) sec-Butylbenzene	11.94	105	511439	51.895	ug/l	100
86) p-Isopropyltoluene	12.06	119	459161	50.676	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	225512	49.791	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	225046	49.016	ug/l	100
89) n-Butylbenzene	12.38	91	429632	50.915	ug/l	99
90) Hexachloroethane	12.60	117	78344	52.418	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	225190	50.351	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45477	53.299	ug/l	99

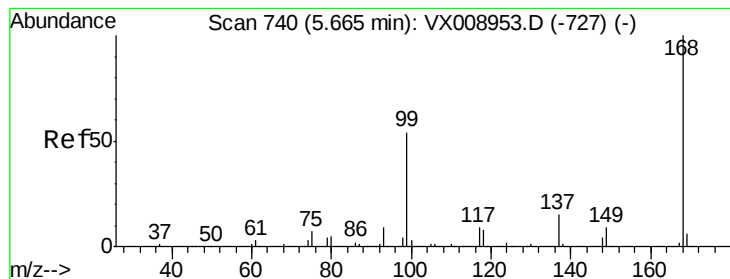
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	162447	50.317	ug/l	99
94) Hexachlorobutadiene	13.78	225	80377	49.917	ug/l	99
95) Naphthalene	13.83	128	545925	52.780	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	163289	51.261	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

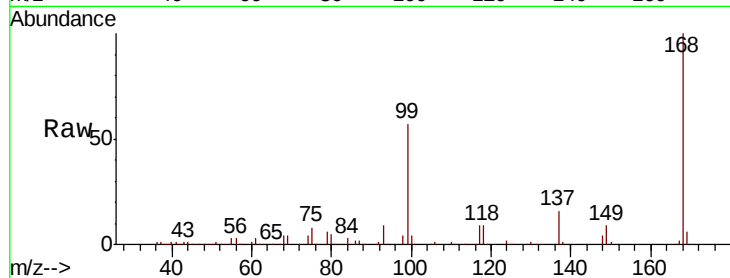
VSTDCCC050EC

Tot Ion:168 Resp: 199657

Ion Ratio Lower Upper

168 100

99 56.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

40000

20000

0

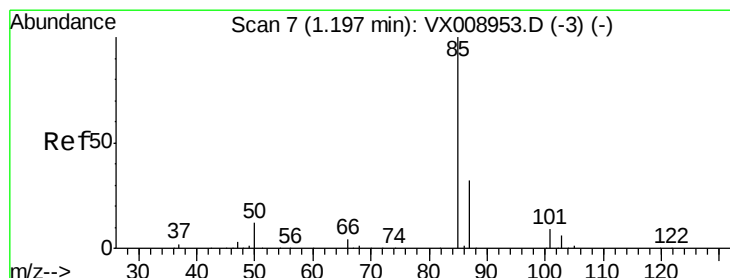
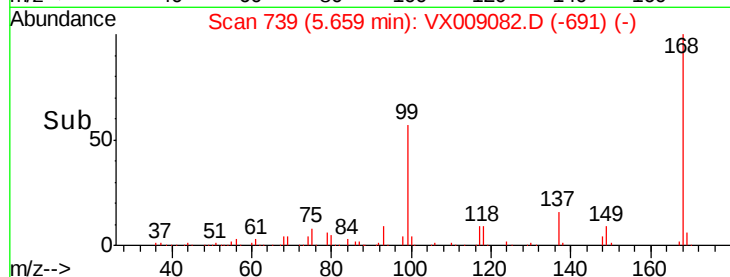
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 50.643 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009082.D

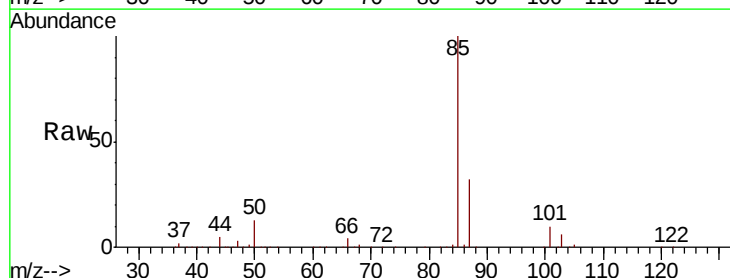
Acq: 19 Apr 2019 19:48

Tgt Ion: 85 Resp: 116462

Ion Ratio Lower Upper

85 100

87 32.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

40000

20000

0

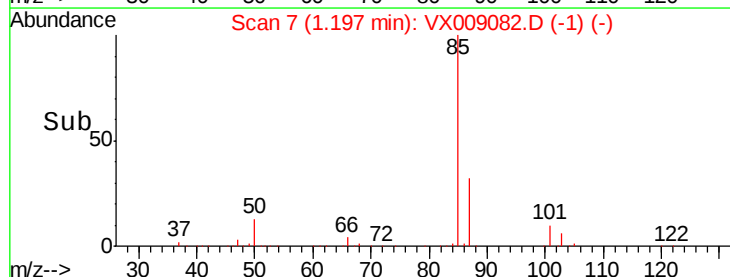
Time-->

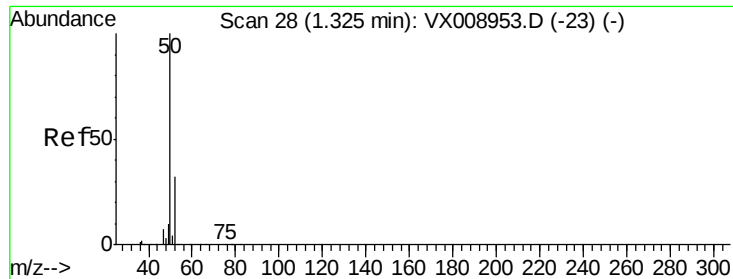
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 46.334 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

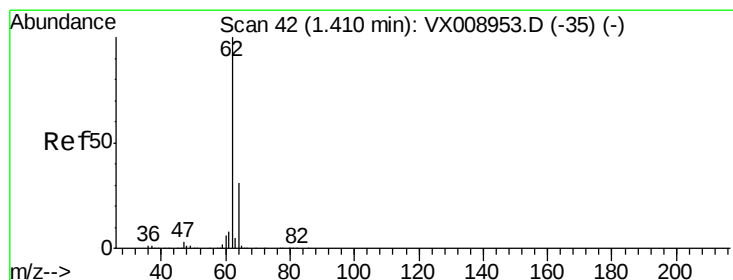
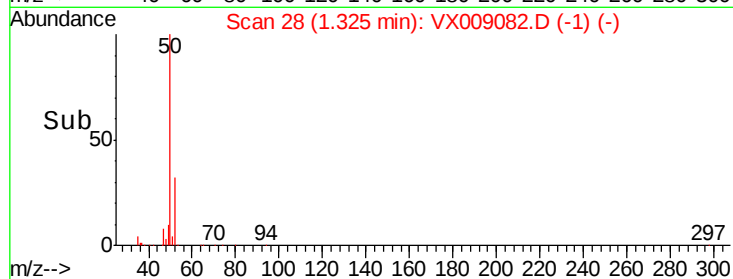
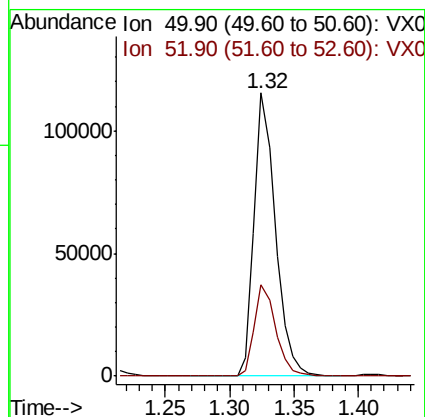
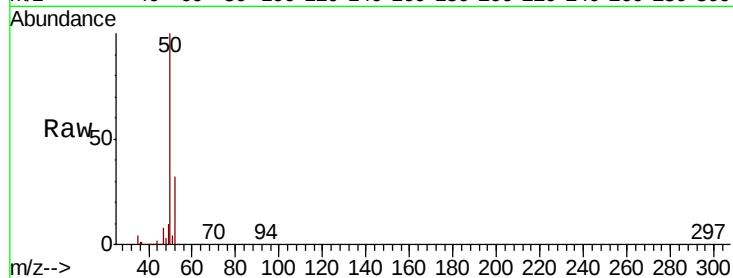
VSTDCCC050EC

Tot Ion: 50 Resp: 130813

Ion Ratio Lower Upper

50 100

52 32.3 25.5 38.3



#4

Vinyl Chloride

Concen: 49.412 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009082.D

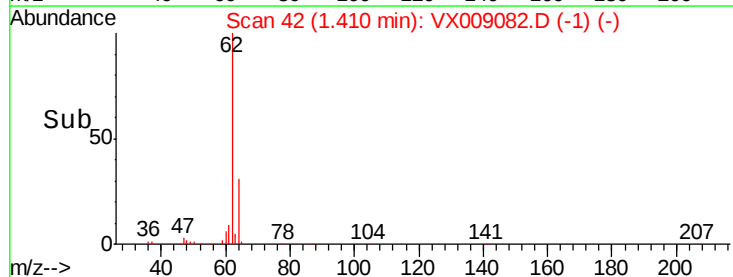
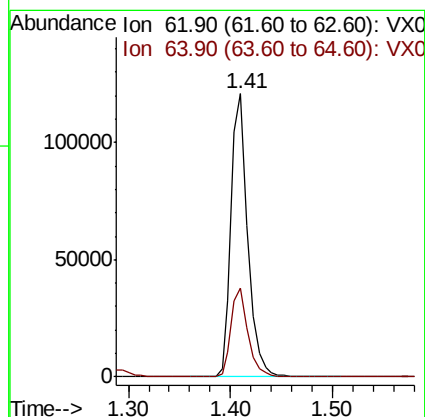
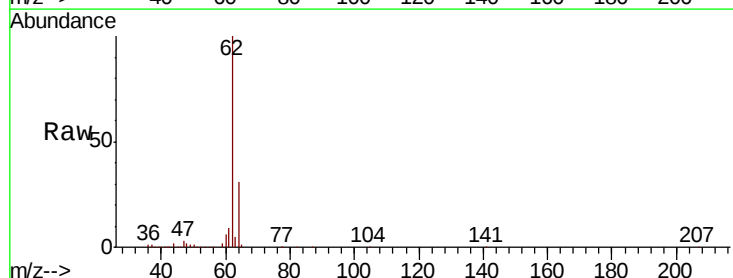
Acq: 19 Apr 2019 19:48

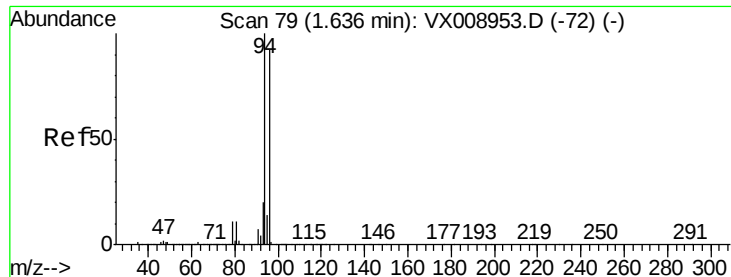
Tgt Ion: 62 Resp: 135778

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.4





#5

Bromomethane

Concen: 42.692 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

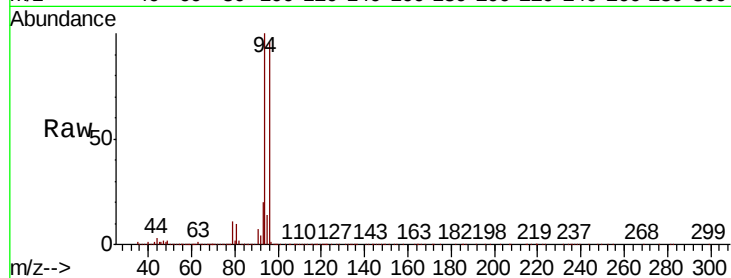
VSTDCCC050EC

Tot Ion: 94 Resp: 72412

Ion Ratio Lower Upper

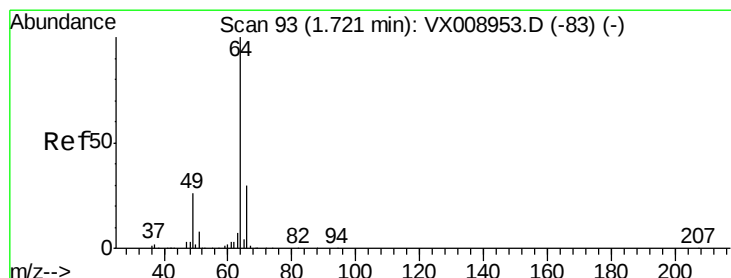
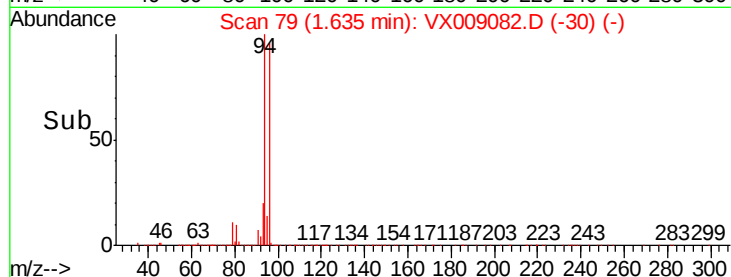
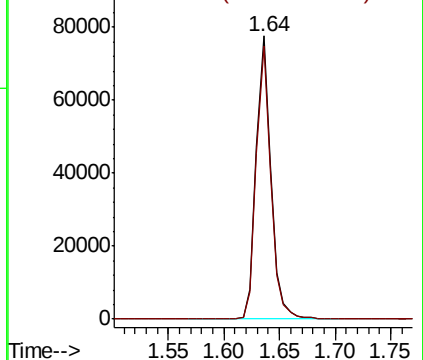
94 100

96 96.5 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.310 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009082.D

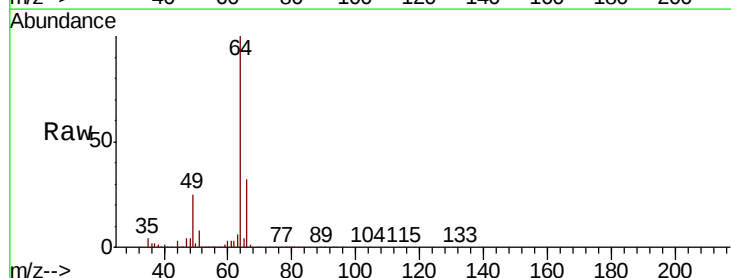
Acq: 19 Apr 2019 19:48

Tgt Ion: 64 Resp: 82909

Ion Ratio Lower Upper

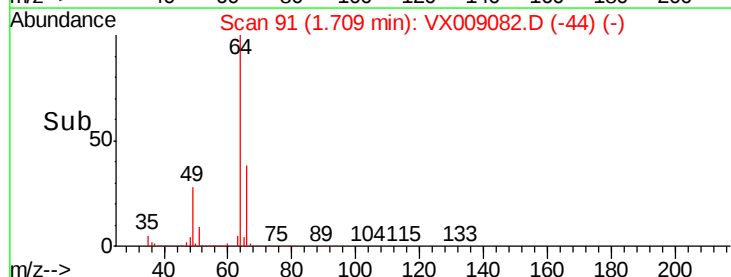
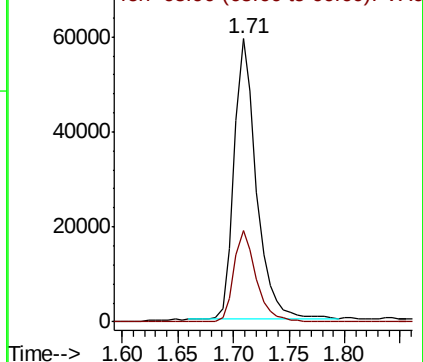
64 100

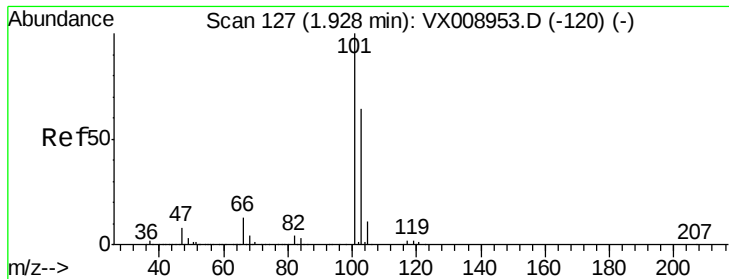
66 32.4 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



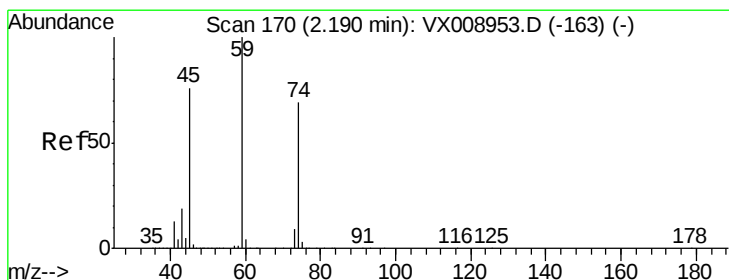
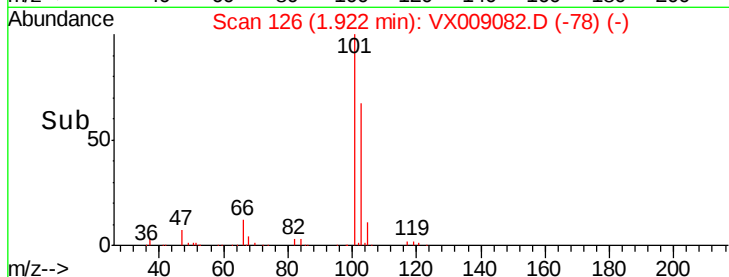
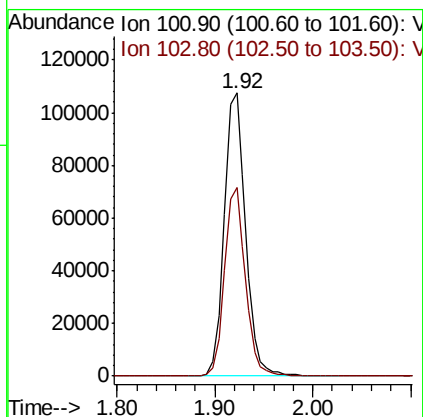
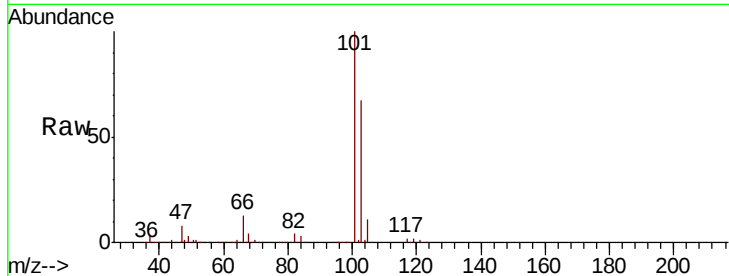


#7

Trichlorofluoromethane
 Concen: 50.589 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX009082.D
 Acq: 19 Apr 2019 19:48

Instrument :
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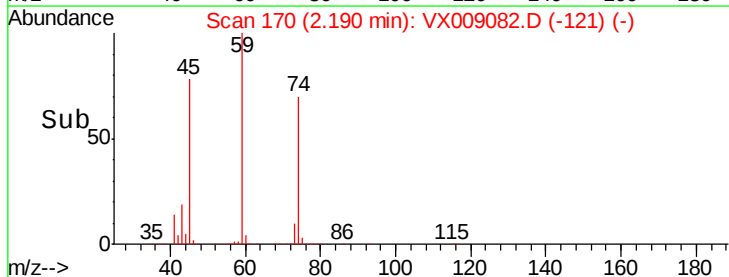
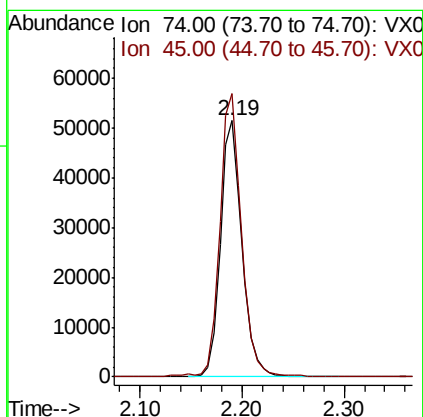
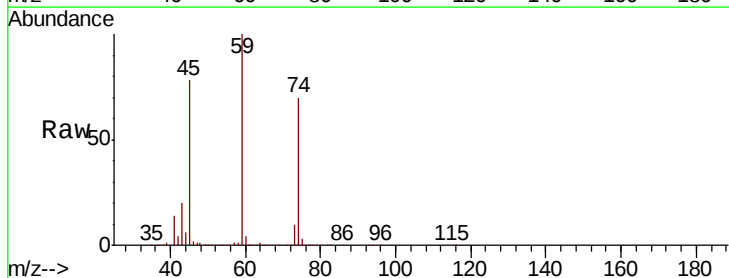
Tot Ion:101 Resp: 162304
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.0 76.6

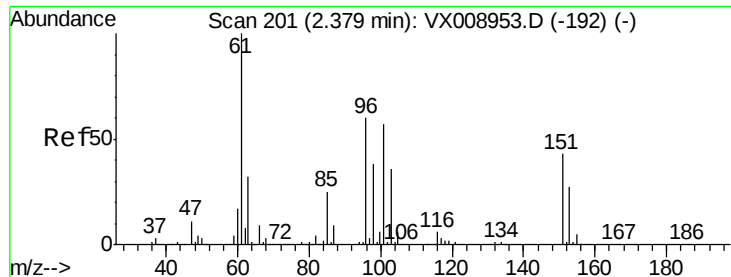


#8

Diethyl Ether
 Concen: 51.463 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX009082.D
 Acq: 19 Apr 2019 19:48

Tgt Ion: 74 Resp: 75509
 Ion Ratio Lower Upper
 74 100
 45 110.3 54.9 164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.734 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

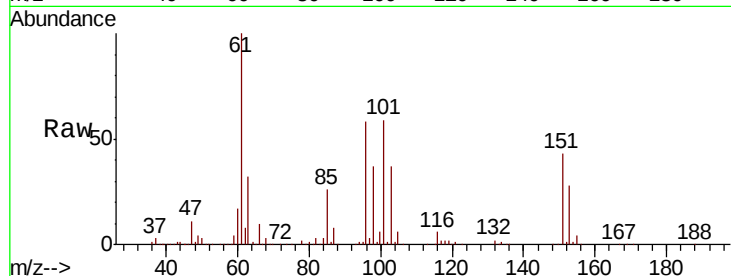
Tot Ion:101 Resp: 104070

Ion Ratio Lower Upper

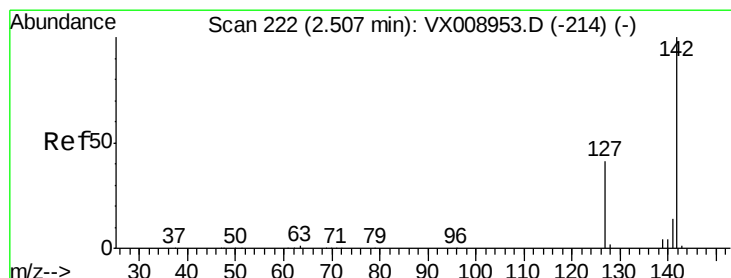
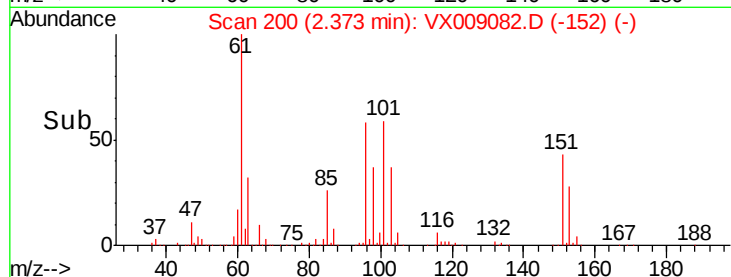
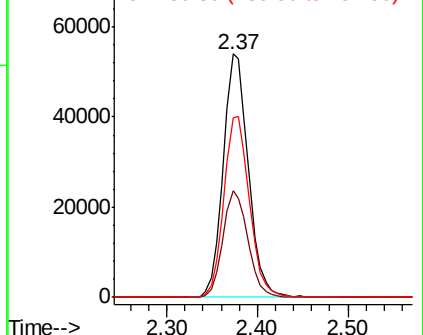
101 100

85 43.6 35.7 53.5

151 75.8 62.7 94.1



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: 38.180 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

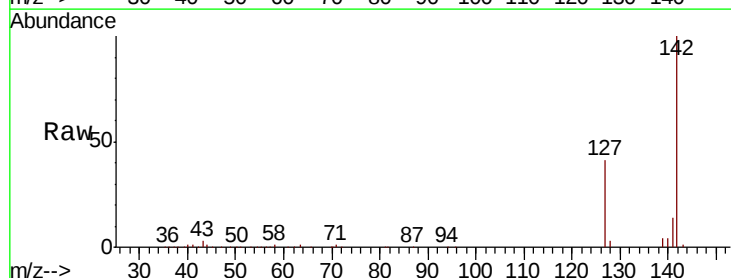
Tgt Ion:142 Resp: 83062

Ion Ratio Lower Upper

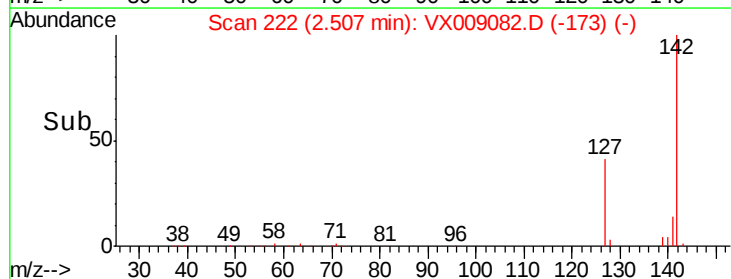
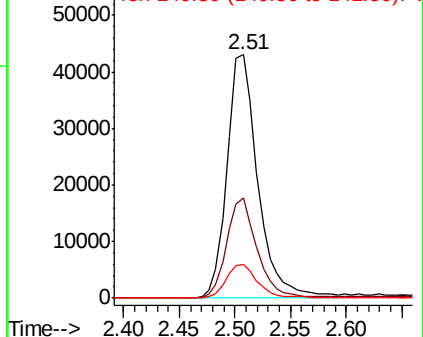
142 100

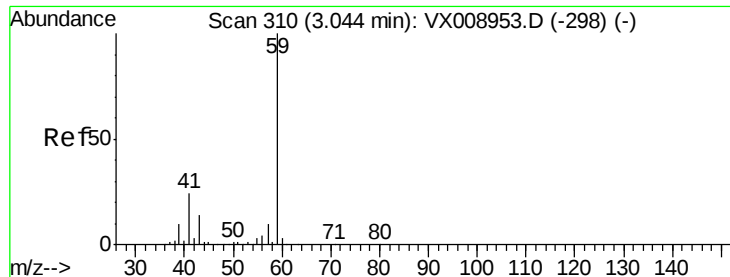
127 40.5 32.8 49.2

141 14.3 11.4 17.2



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

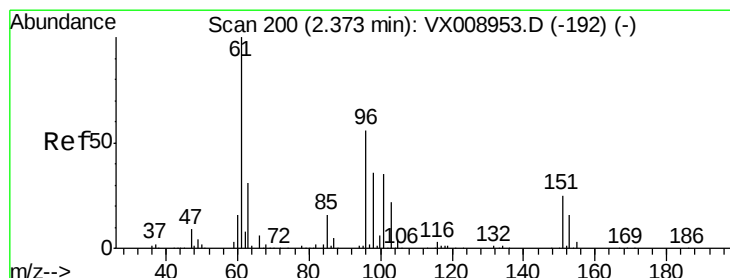
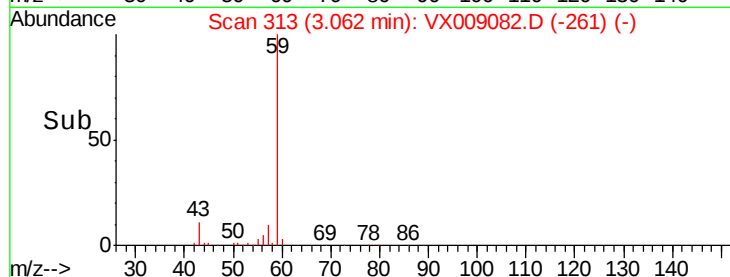
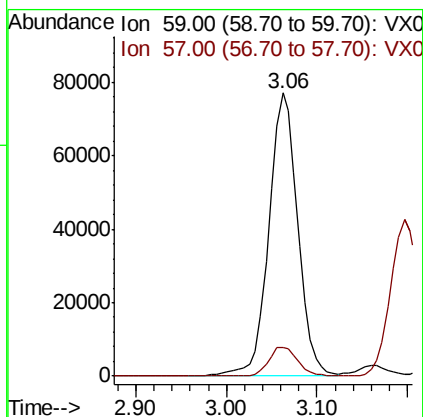
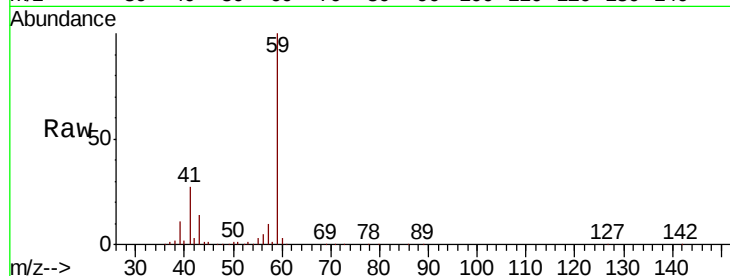




#11
Tert butyl alcohol
Concen: 272.581 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.02 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

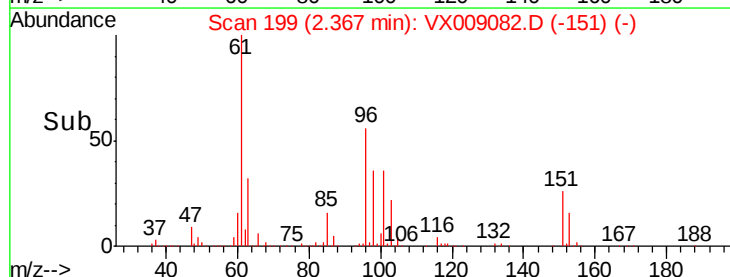
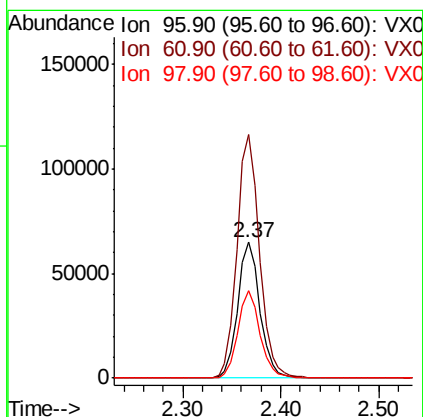
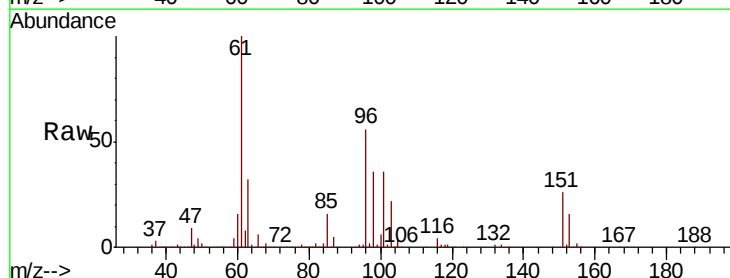
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

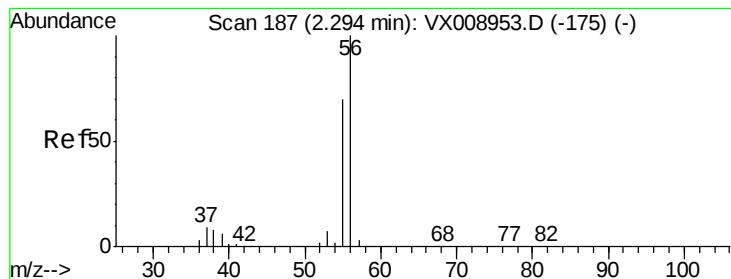
Tot Ion: 59 Resp: 170247
Ion Ratio Lower Upper
59 100
57 10.3 8.4 12.6



#12
1,1-Dichloroethene
Concen: 48.202 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Tgt Ion: 96 Resp: 103204
Ion Ratio Lower Upper
96 100
61 179.6 142.2 213.2
98 64.5 50.9 76.3





#13

Acrolein

Concen: 238.887 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

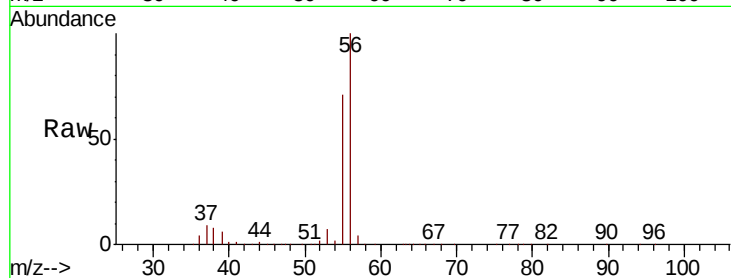
VSTDCCC050EC

Tot Ion: 56 Resp: 128917

Ion Ratio Lower Upper

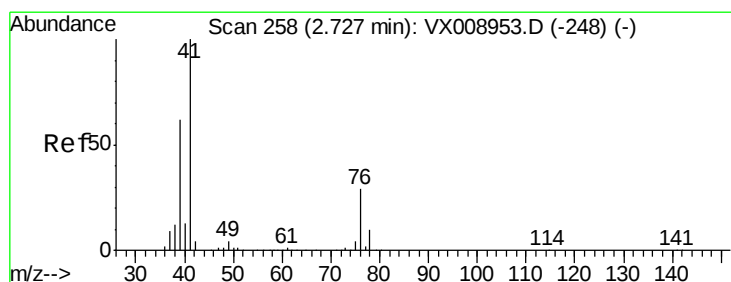
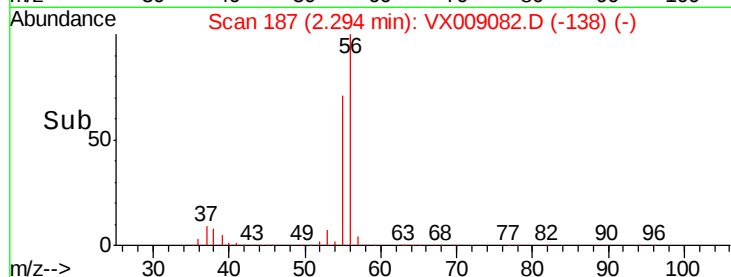
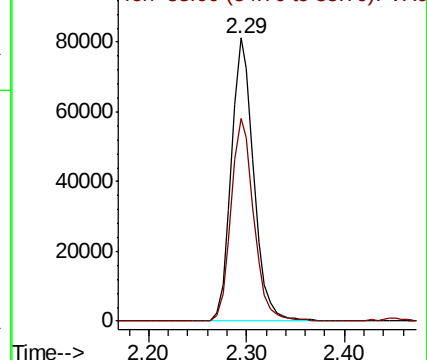
56 100

55 72.5 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 53.934 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

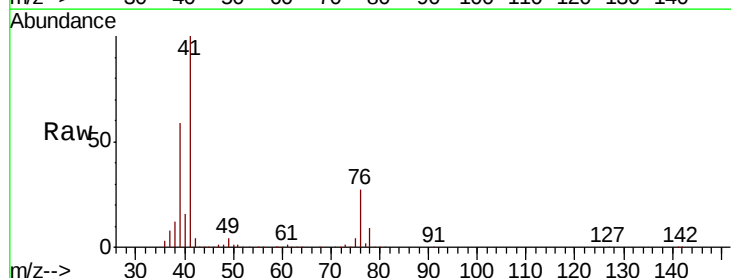
Tgt Ion: 41 Resp: 251936

Ion Ratio Lower Upper

41 100

39 58.6 46.7 70.1

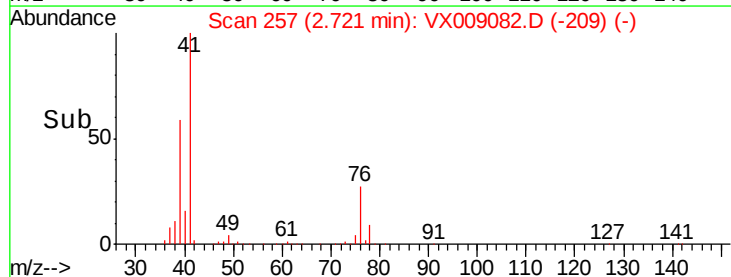
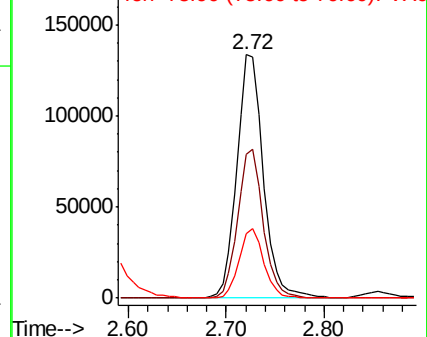
76 26.8 22.0 33.0

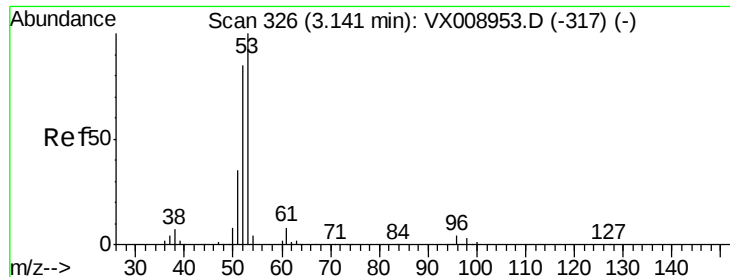


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 277.556 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

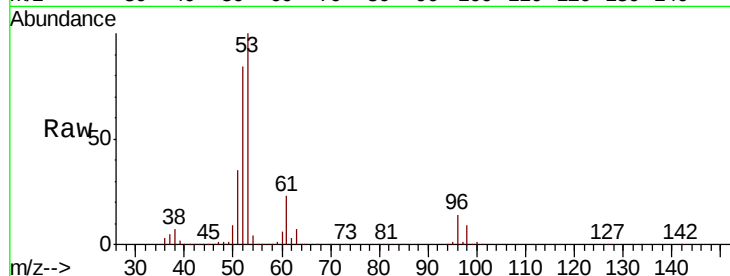
Tot Ion: 53 Resp: 440056

Ion Ratio Lower Upper

53 100

52 83.0 66.6 100.0

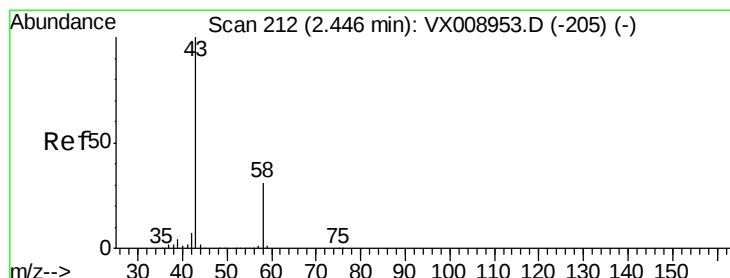
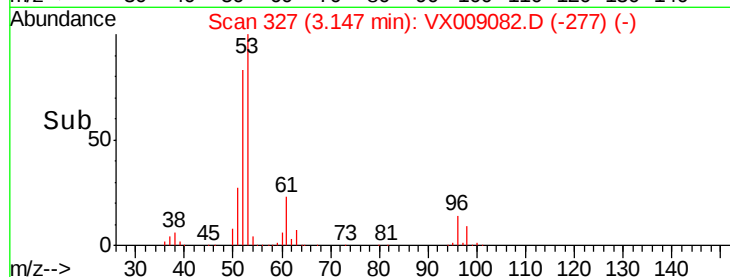
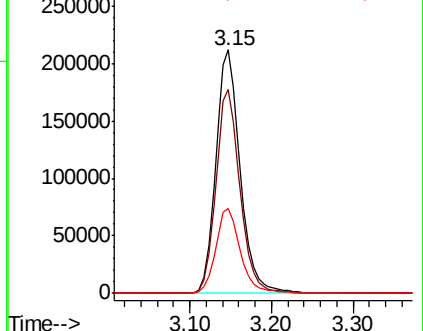
51 35.3 28.3 42.5



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: 265.867 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX009082.D

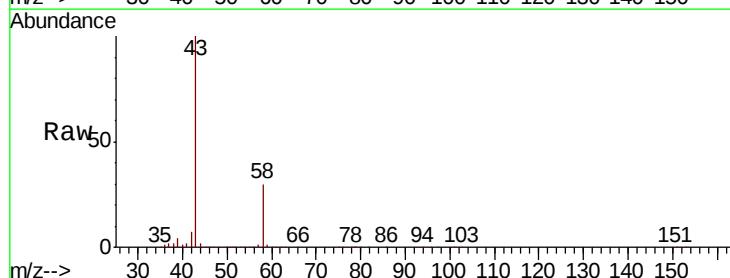
Acq: 19 Apr 2019 19:48

Tgt Ion: 43 Resp: 387936

Ion Ratio Lower Upper

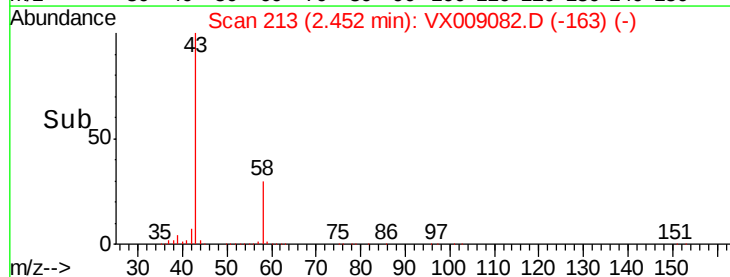
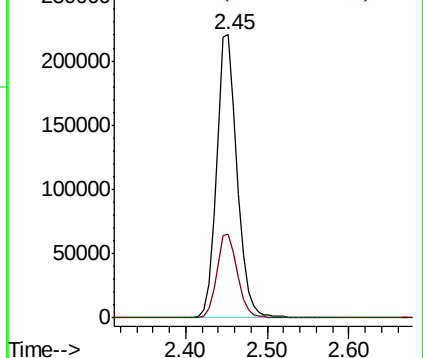
43 100

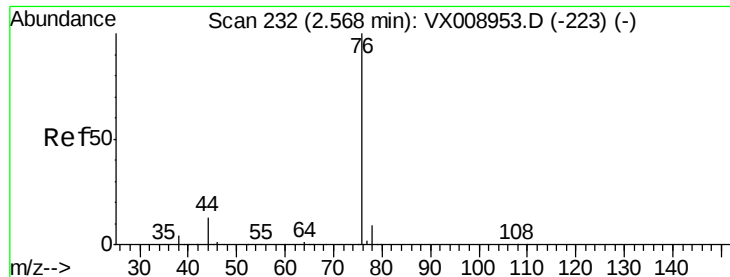
58 29.7 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

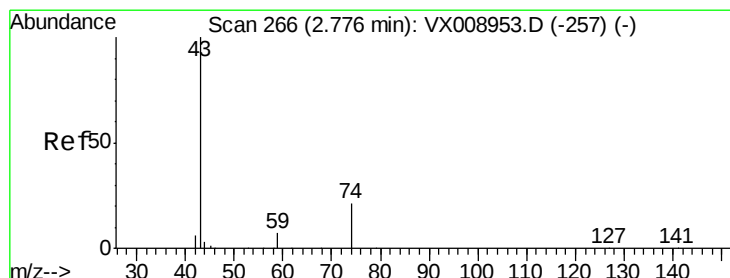
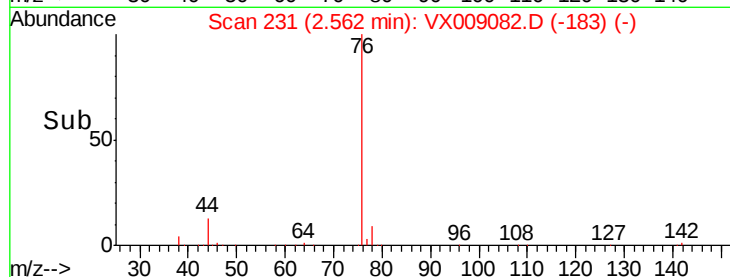
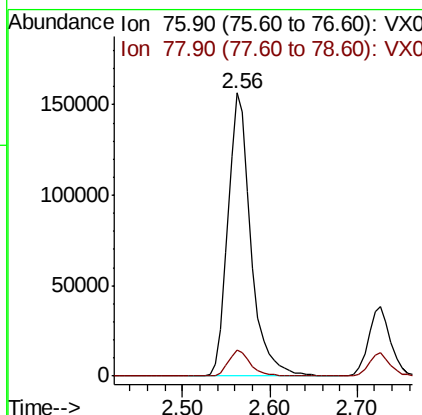
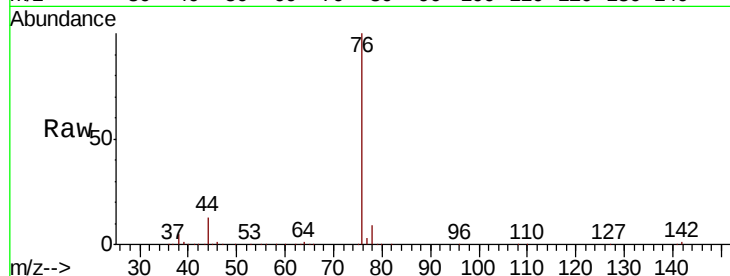




#17
Carbon Disulfide
Concen: 45.440 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

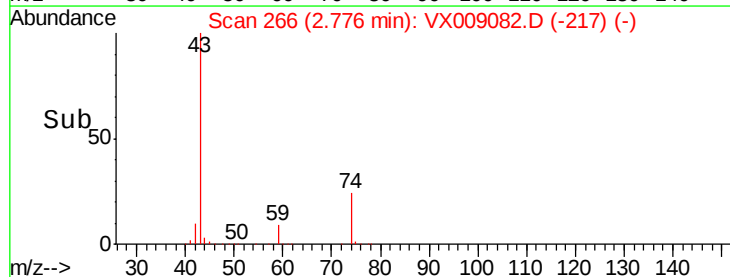
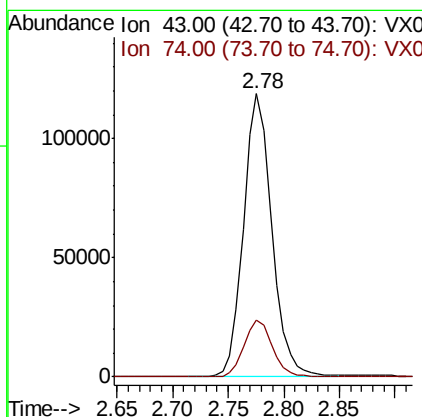
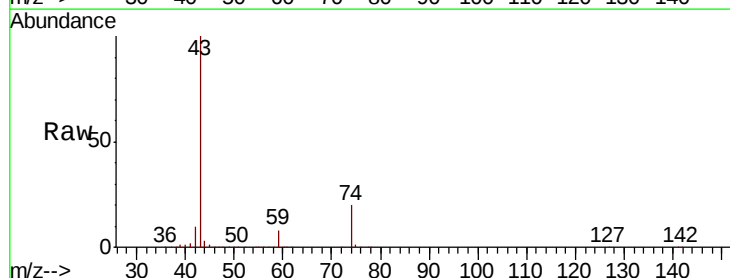
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

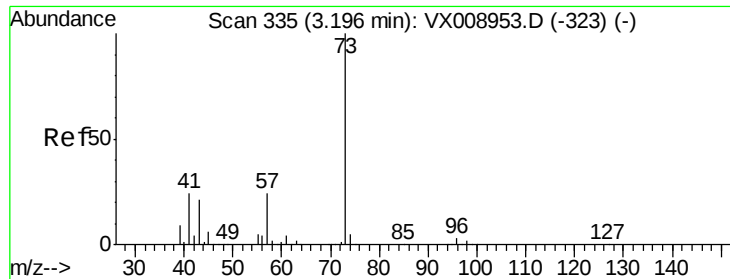
Tot Ion: 76 Resp: 285161
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 57.664 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Tgt Ion: 43 Resp: 209994
Ion Ratio Lower Upper
43 100
74 20.2 16.6 25.0

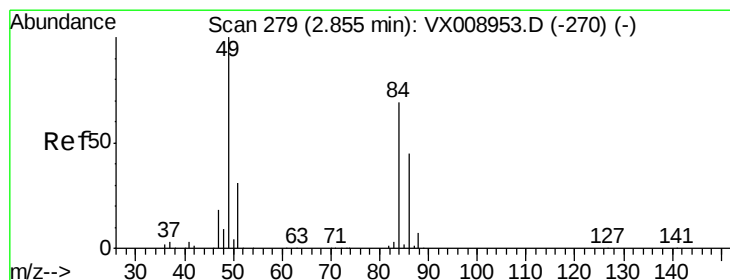
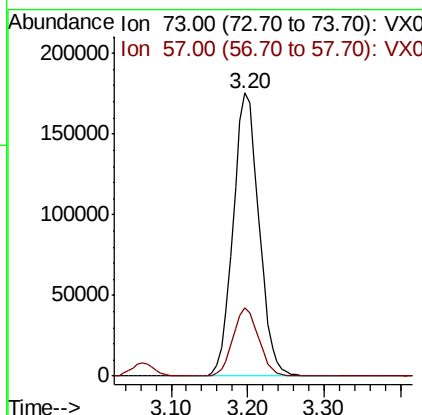
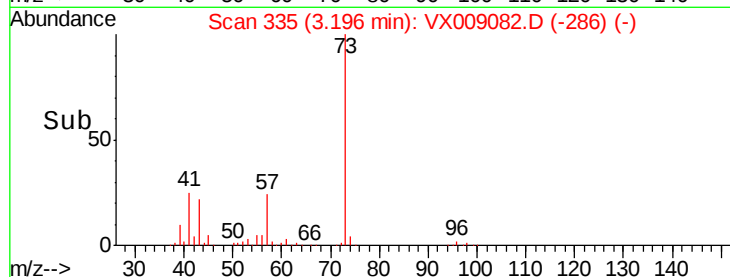
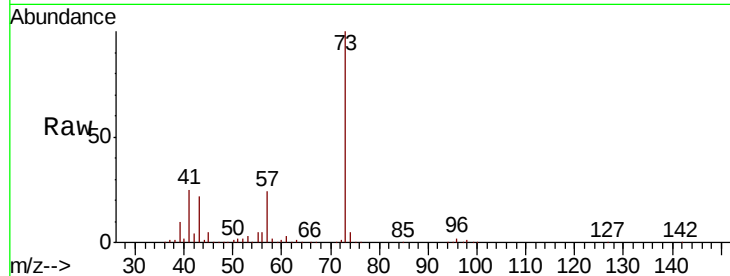




#19
Methyl tert-butyl Ether
Concen: 53.864 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

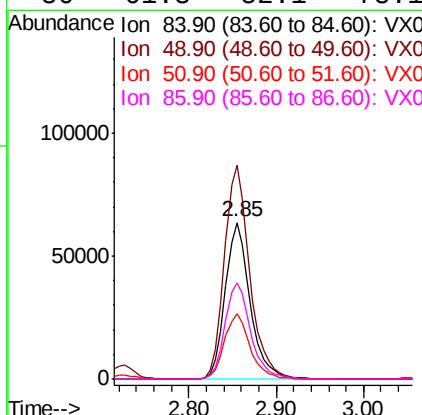
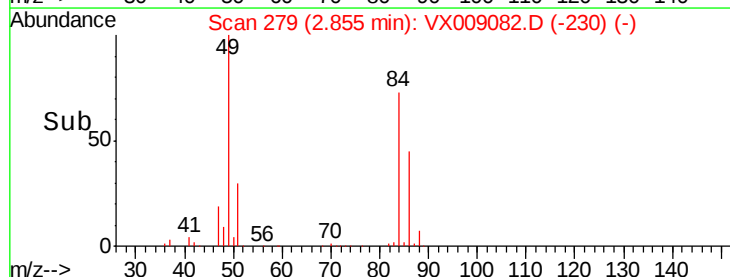
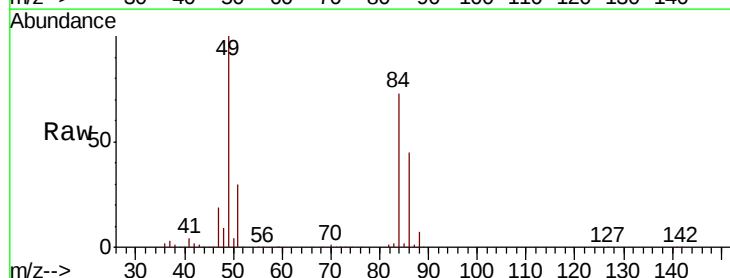
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

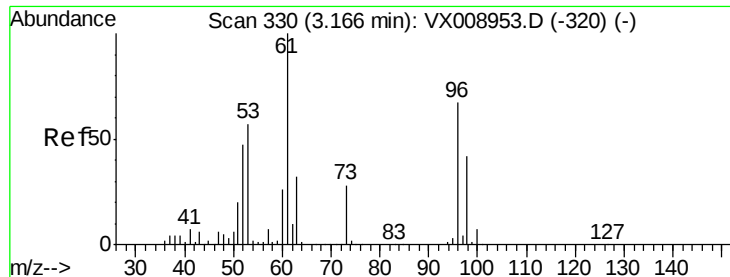
Tot Ion: 73 Resp: 410931
Ion Ratio Lower Upper
73 100
57 24.3 19.2 28.8



#20
Methylene Chloride
Concen: 50.058 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Tgt Ion: 84 Resp: 124910
Ion Ratio Lower Upper
84 100
49 136.7 115.4 173.0
51 41.5 35.8 53.6
86 61.3 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 49.596 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

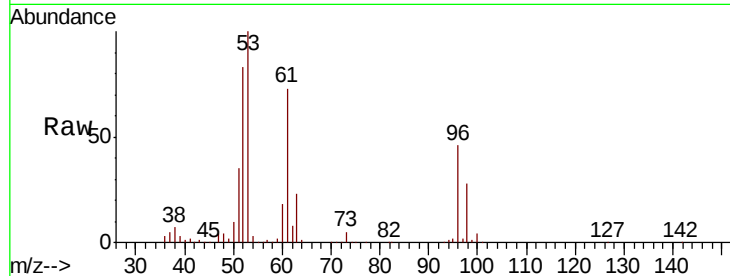
Tot Ion: 96 Resp: 113263

Ion Ratio Lower Upper

96 100

61 160.6 120.3 180.5

98 62.4 50.2 75.2

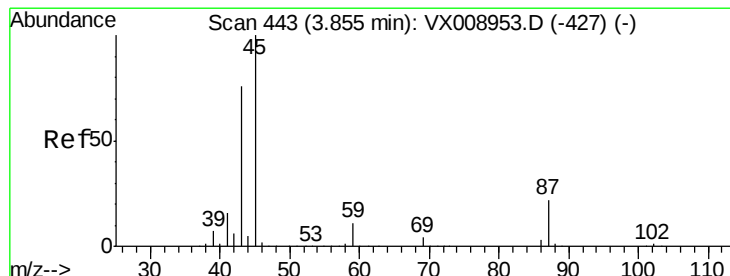
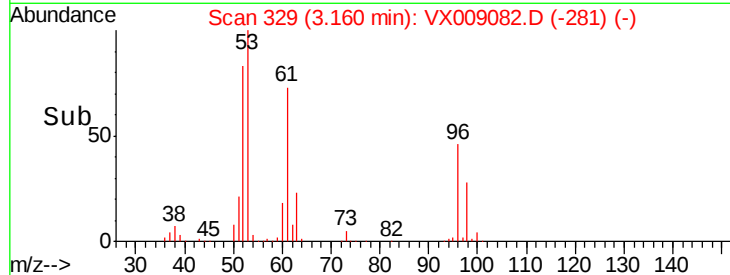
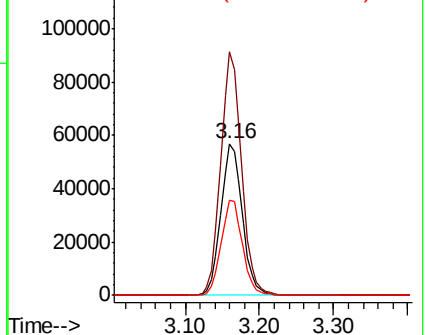


Abundance

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: 54.808 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Tgt Ion: 45 Resp: 497495

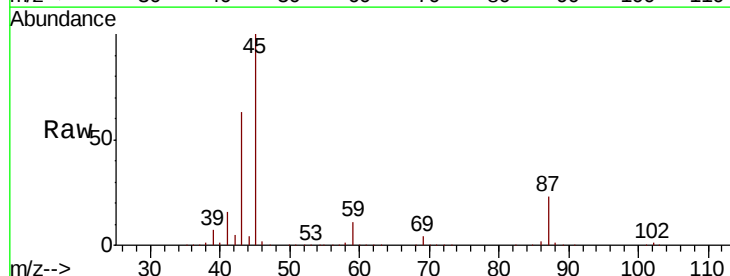
Ion Ratio Lower Upper

45 100

43 63.4 60.6 91.0

87 22.6 17.8 26.8

59 10.7 8.7 13.1



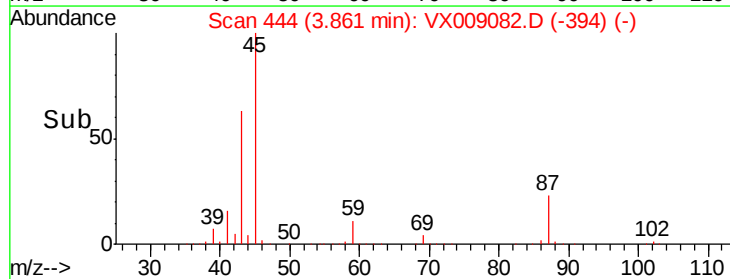
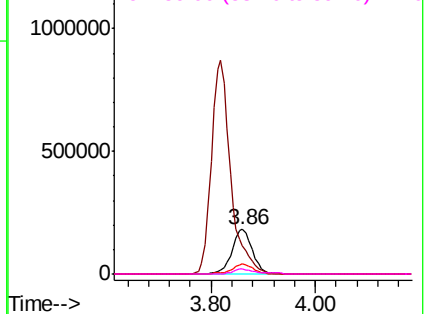
Abundance

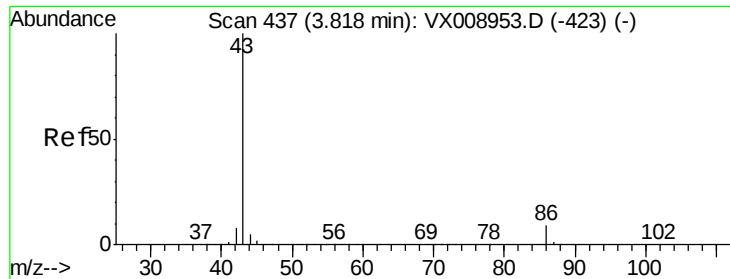
Ion 45.00 (44.70 to 45.70): VX0

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: 280.269 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

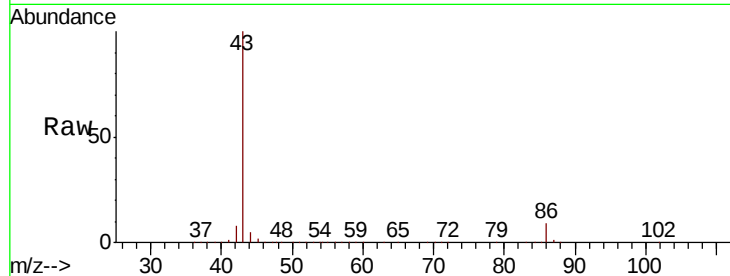
VSTDCCC050EC

Tot Ion: 43 Resp: 2236267

Ion Ratio Lower Upper

43 100

86 8.6 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VX008953.D (-423) (-)

Ion 86.00 (85.70 to 86.70): VX008953.D (-423) (-)

3.82

800000

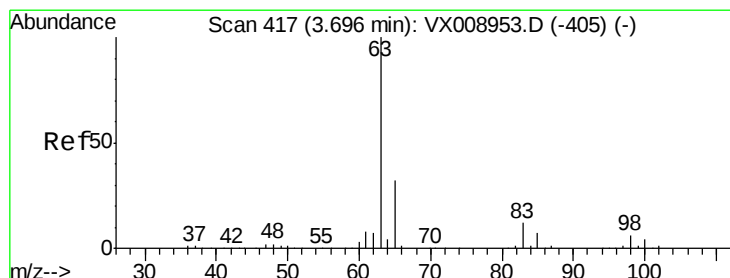
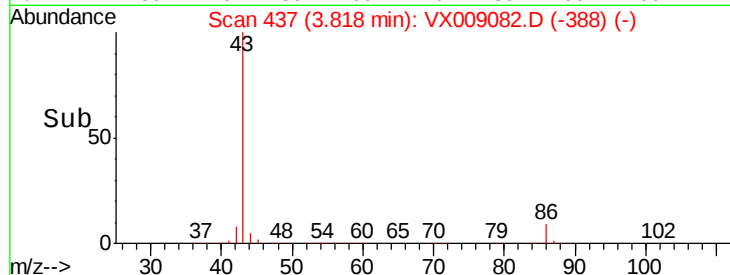
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.183 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

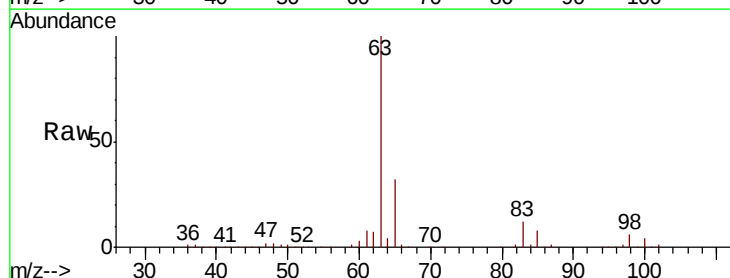
Tgt Ion: 63 Resp: 242326

Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.3

100 4.0 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VX008953.D (-405) (-)

Ion 97.90 (97.60 to 98.60): VX008953.D (-405) (-)

Ion 99.90 (99.60 to 100.60): VX008953.D (-405) (-)

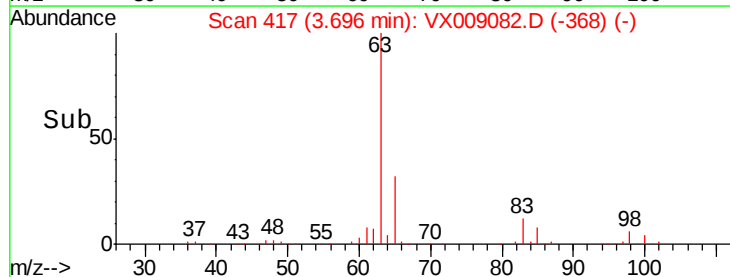
3.70

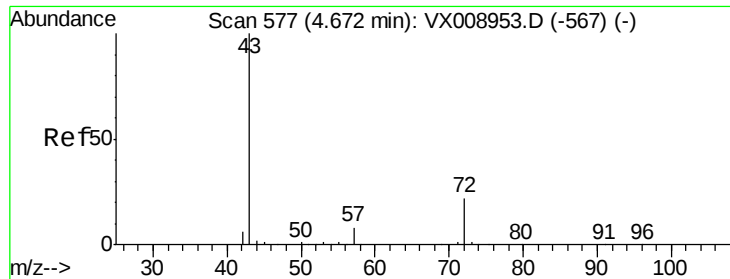
100000

50000

0

Time-->





#25

2-Butanone

Concen: 281.277 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

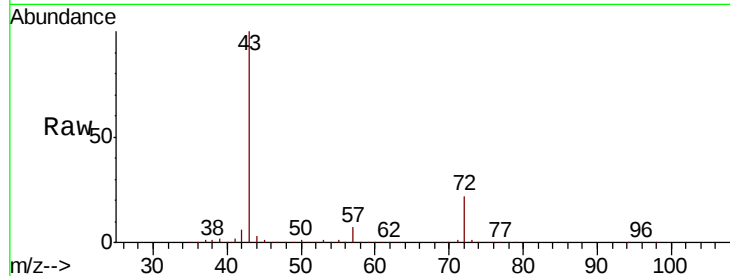
VSTDCCC050EC

Tot Ion: 43 Resp: 656033

Ion Ratio Lower Upper

43 100

72 22.1 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

0

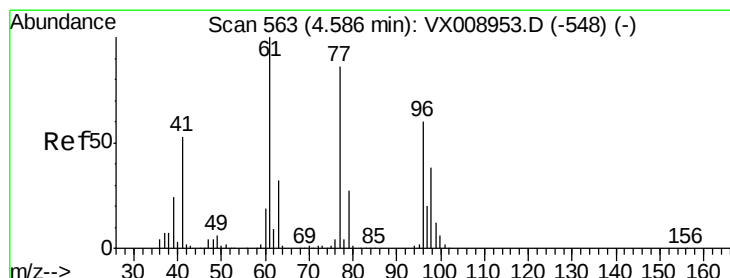
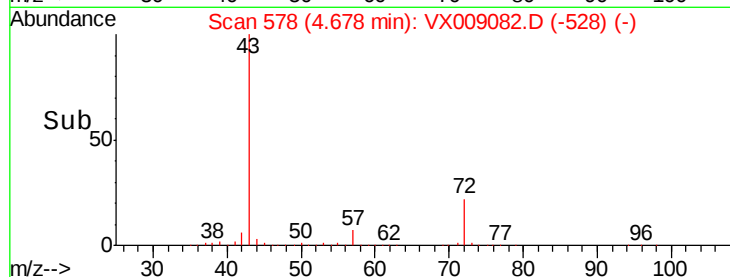
4.68

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 47.280 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009082.D

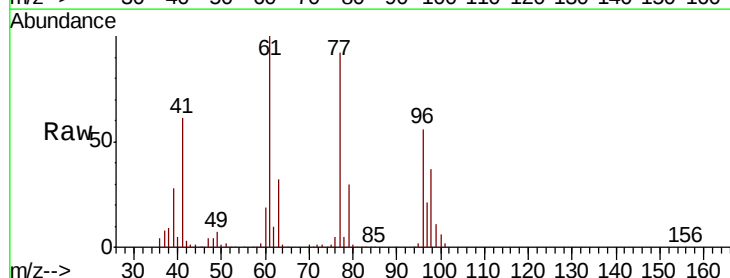
Acq: 19 Apr 2019 19:48

Tgt Ion: 77 Resp: 161483

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

20000

10000

0

4.58

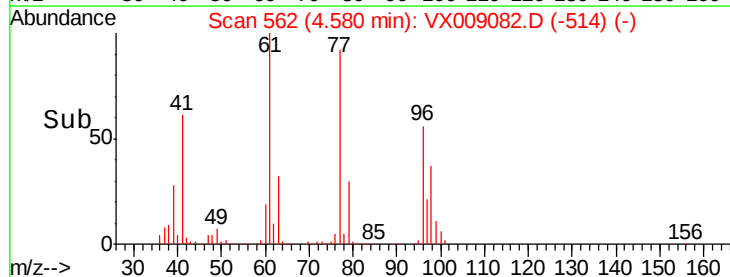
4.40

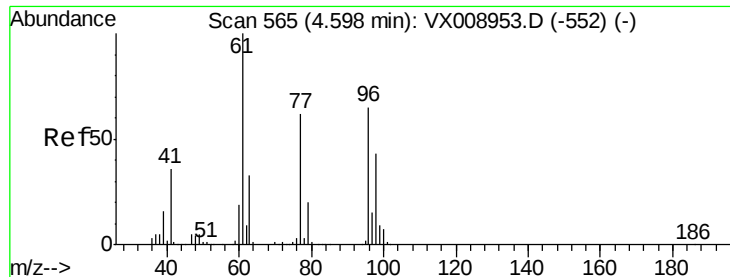
4.50

4.60

4.70

Time-->



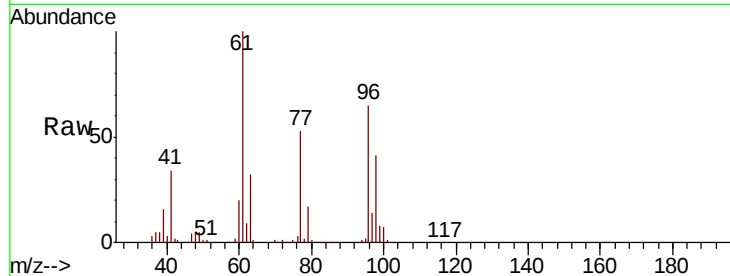


#27

cis-1,2-Dichloroethene
Concen: 51.412 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.5	0.0	322.0
98	64.4	0.0	128.4

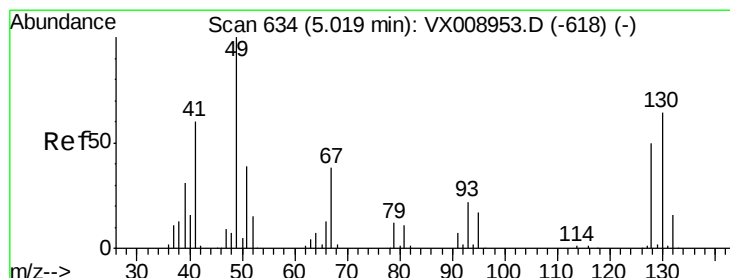
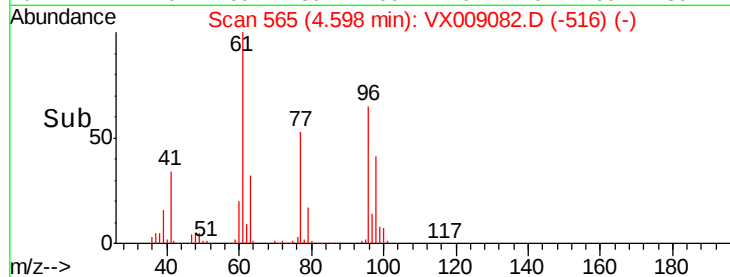
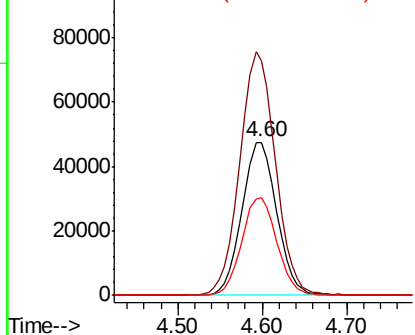


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

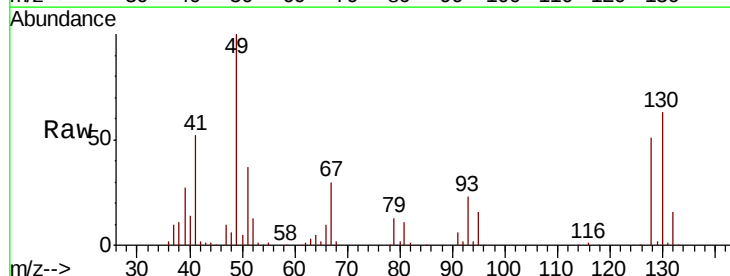
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 56.323 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	61.5	50.4	75.6

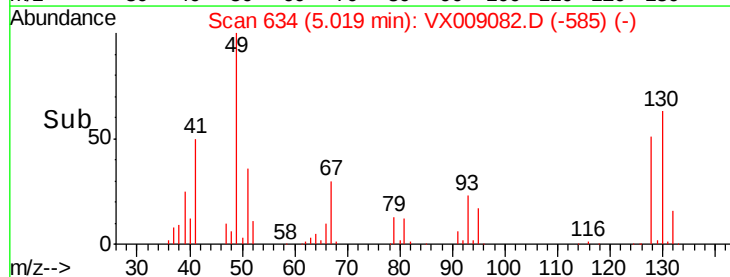
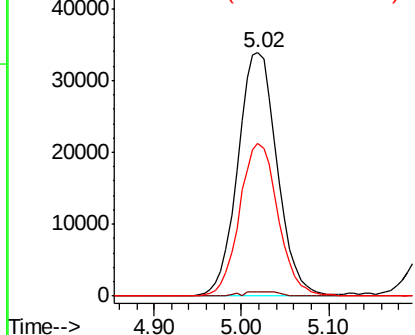


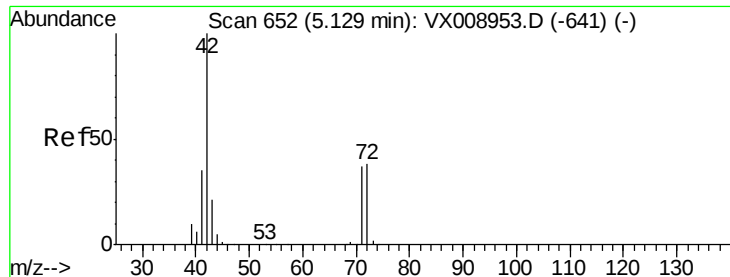
Abundance

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

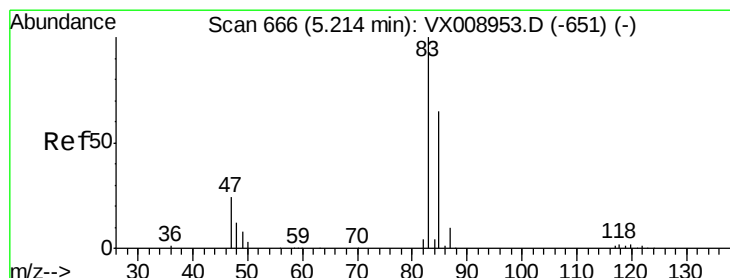
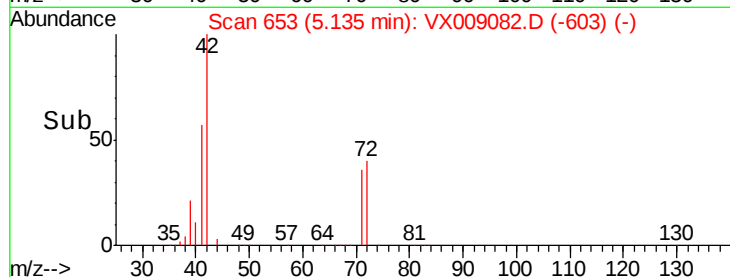
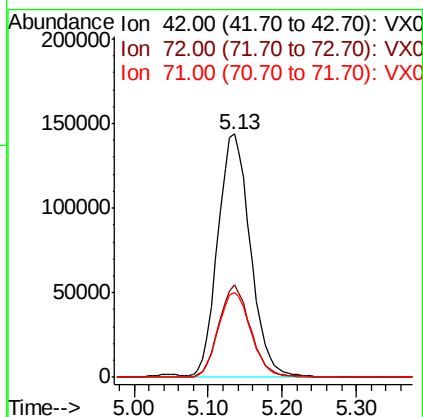
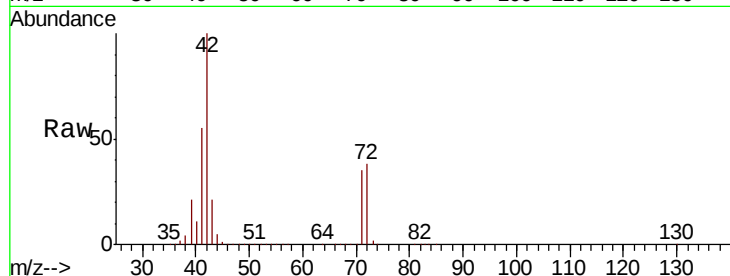




#29
Tetrahydrofuran
Concen: 279.911 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

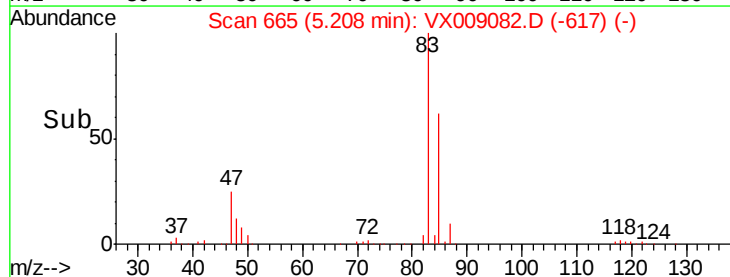
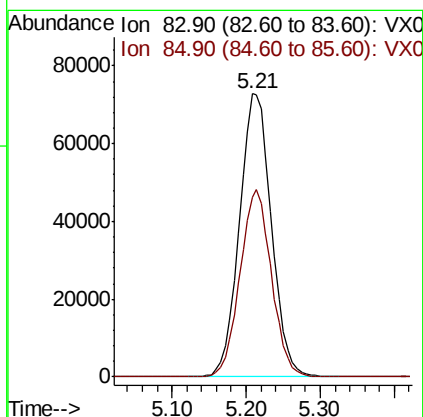
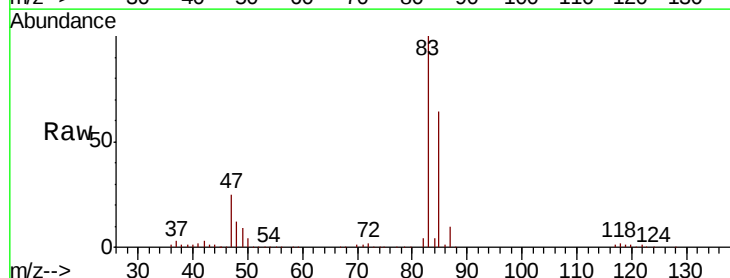
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

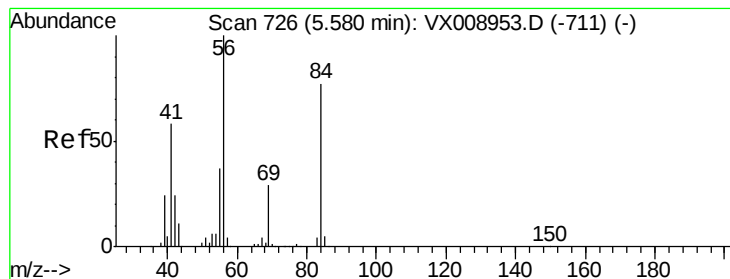
Tot Ion: 42 Resp: 436962
Ion Ratio Lower Upper
42 100
72 37.3 30.6 45.8
71 35.1 28.8 43.2



#30
Chloroform
Concen: 53.761 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Tgt Ion: 83 Resp: 219206
Ion Ratio Lower Upper
83 100
85 63.7 51.9 77.9





#31

Cyclohexane

Concen: 50.720 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

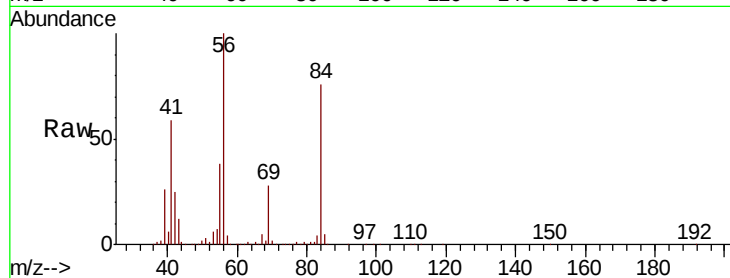
Tot Ion: 56 Resp: 227304

Ion Ratio Lower Upper

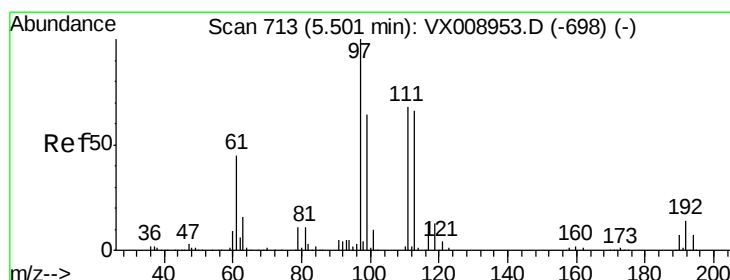
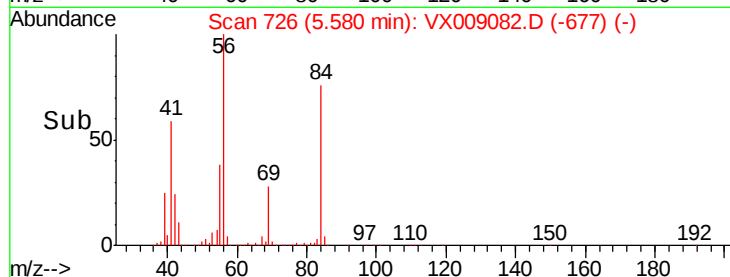
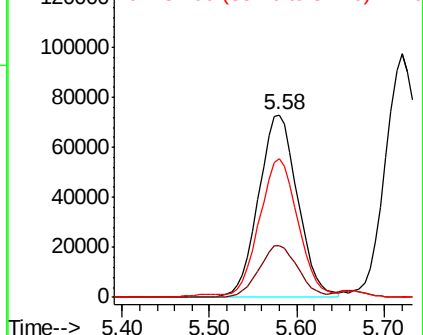
56 100

69 28.0 23.3 34.9

84 75.0 61.7 92.5



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: 52.521 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

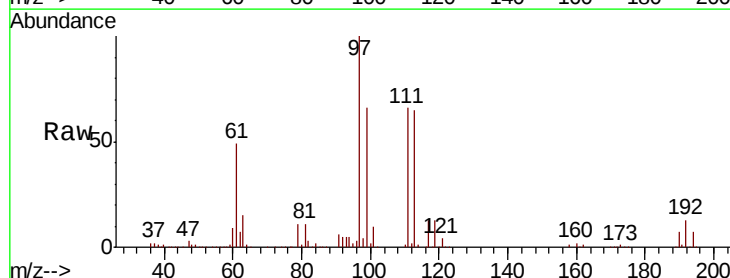
Tgt Ion: 97 Resp: 177487

Ion Ratio Lower Upper

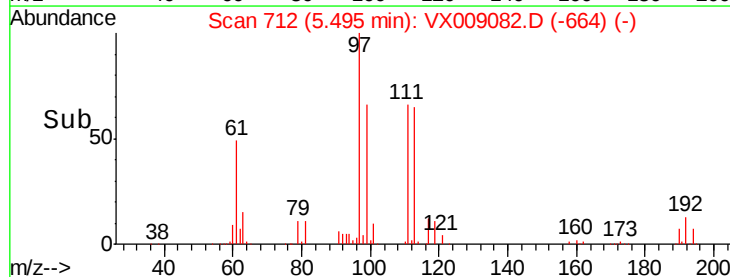
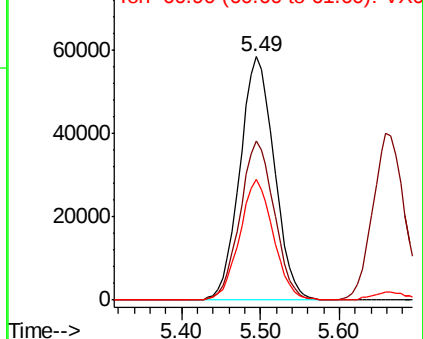
97 100

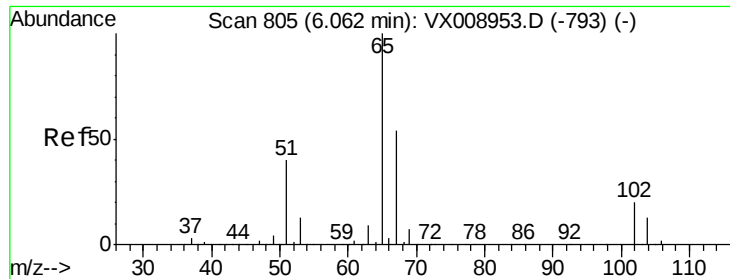
99 65.1 51.6 77.4

61 48.7 37.9 56.9



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: 53.322 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

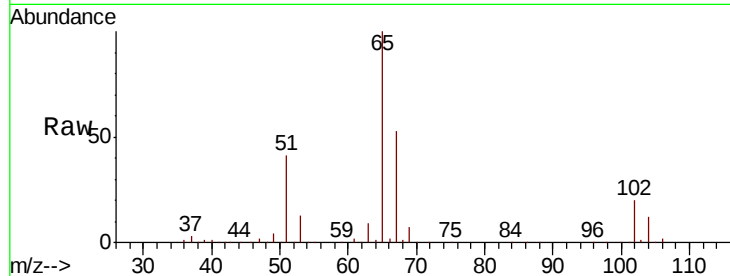
VSTDCCC050EC

Tot Ion: 65 Resp: 150033

Ion Ratio Lower Upper

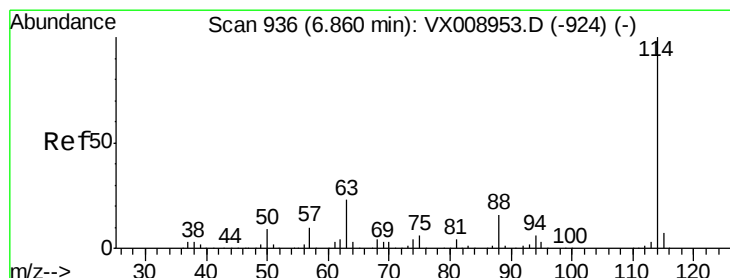
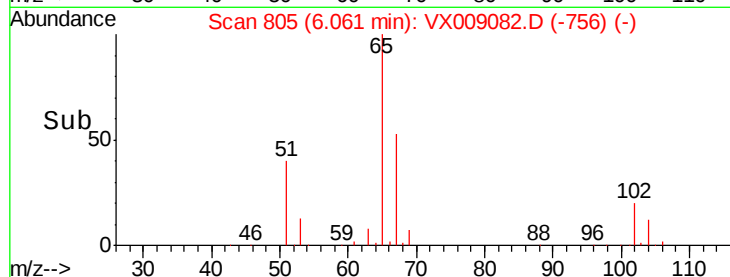
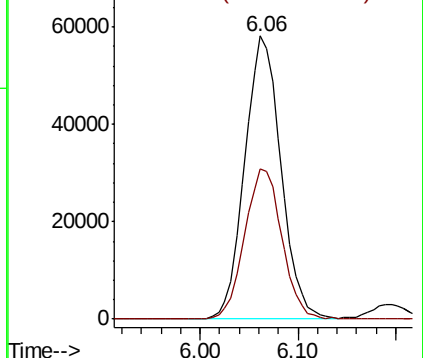
65 100

67 54.5 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

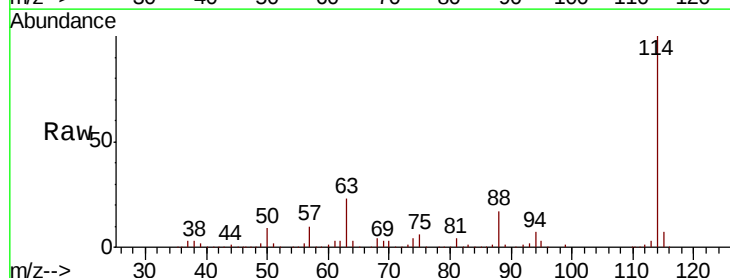
Tgt Ion: 114 Resp: 334808

Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.0

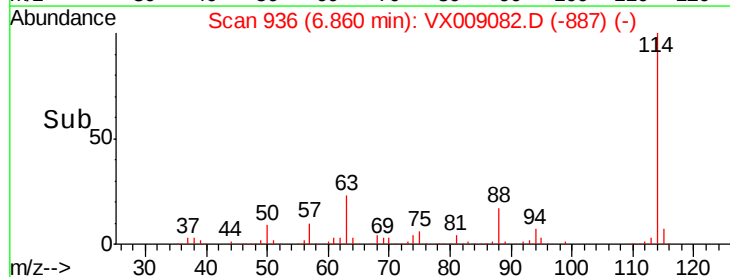
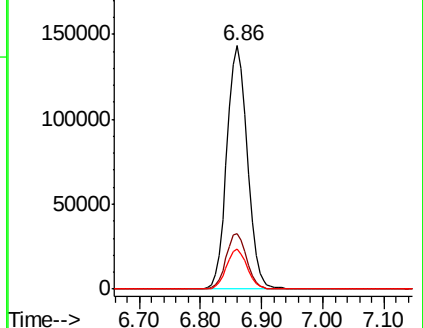
88 16.5 0.0 32.6

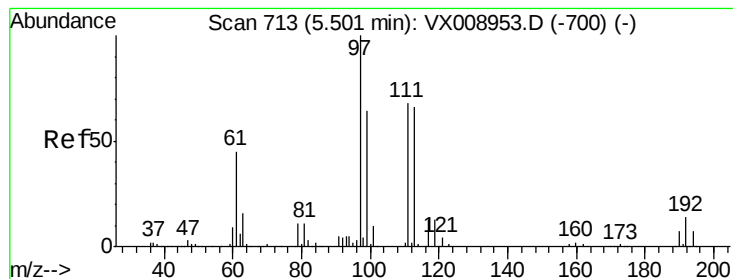


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.663 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

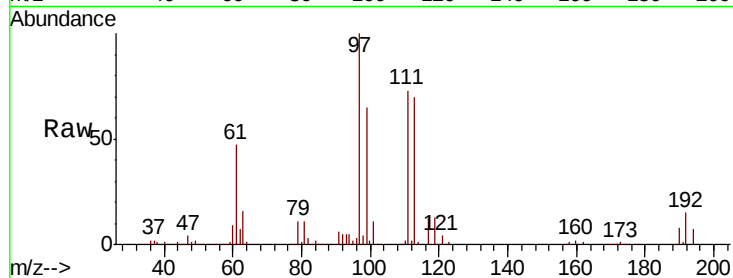
Tot Ion:113 Resp: 111010

Ion Ratio Lower Upper

113 100

111 103.3 82.9 124.3

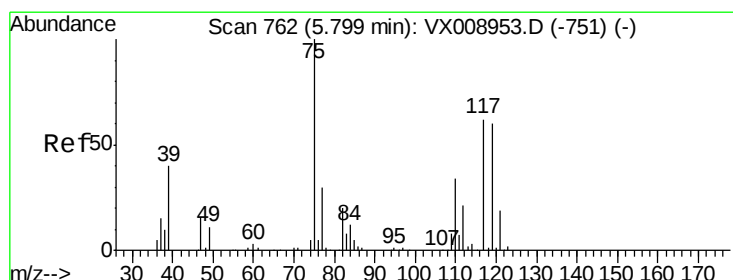
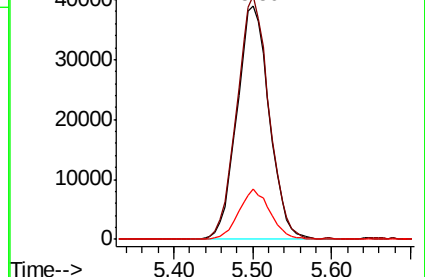
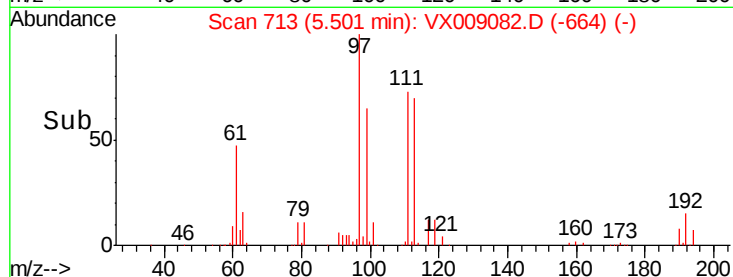
192 20.8 17.4 26.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.745 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

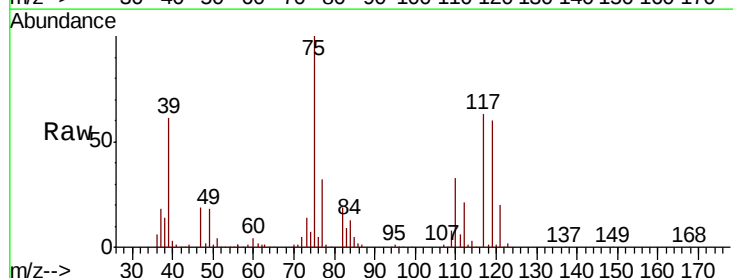
Tgt Ion: 75 Resp: 165323

Ion Ratio Lower Upper

75 100

110 33.4 16.9 50.7

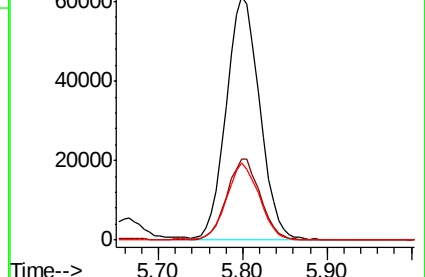
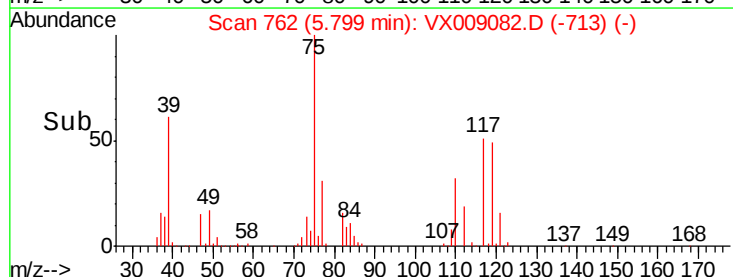
77 31.5 25.0 37.4

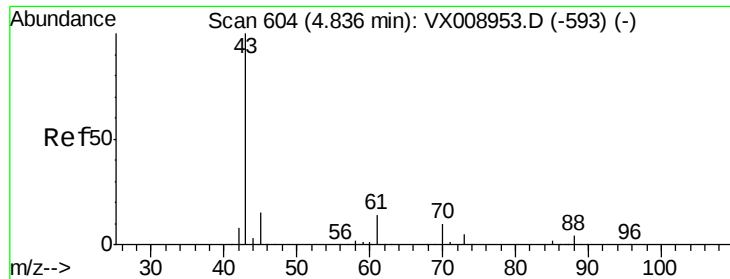


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

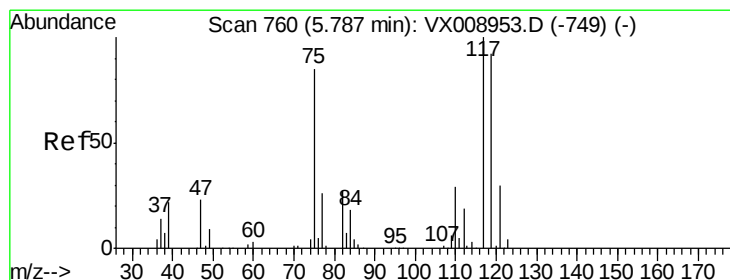
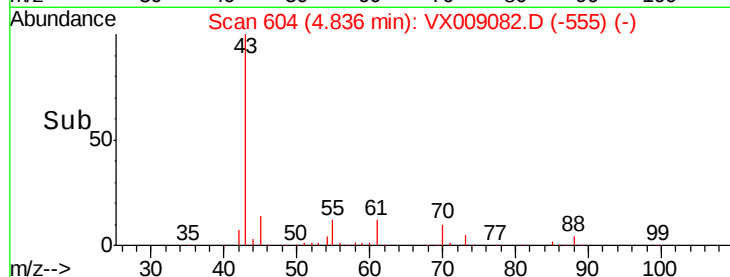
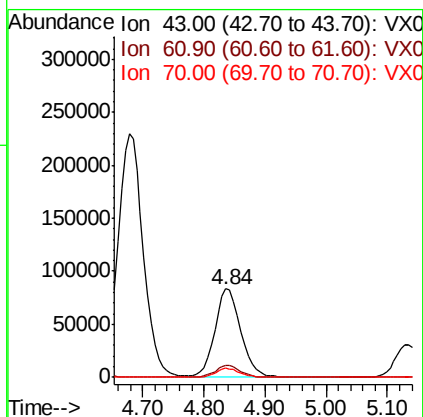
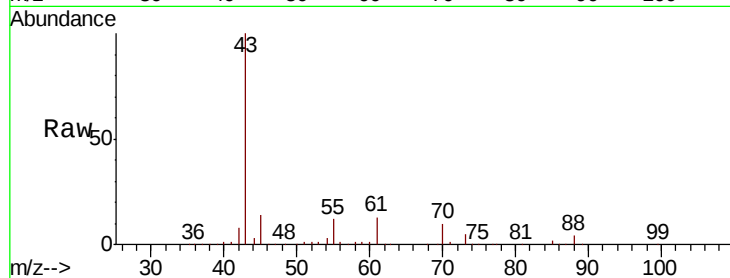




#37
Ethyl Acetate
Concen: 55.524 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

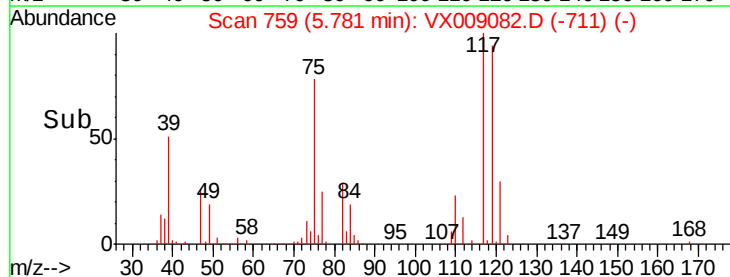
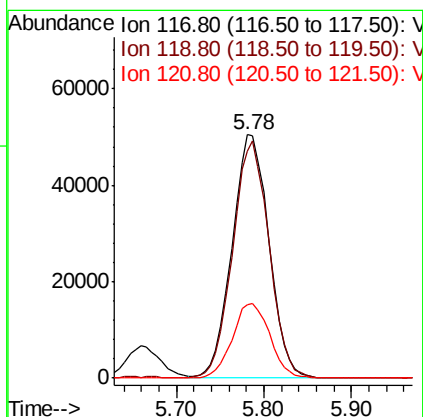
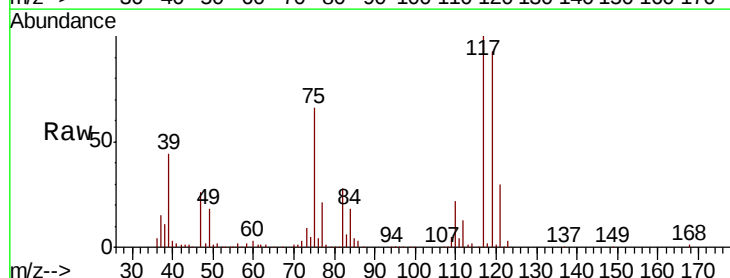
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 247396
Ion Ratio Lower Upper
43 100
61 13.0 10.6 15.8
70 9.5 7.7 11.5



#38
Carbon Tetrachloride
Concen: 50.561 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Tgt Ion: 117 Resp: 148423
Ion Ratio Lower Upper
117 100
119 93.5 73.8 110.8
121 30.0 23.6 35.4

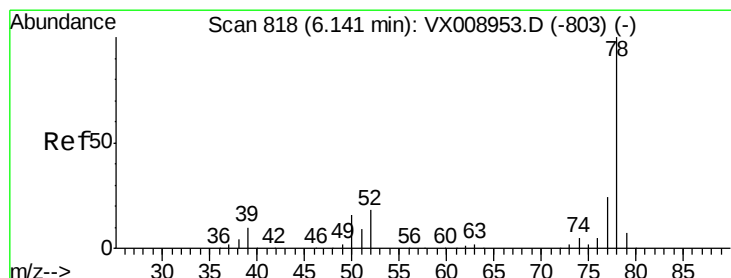
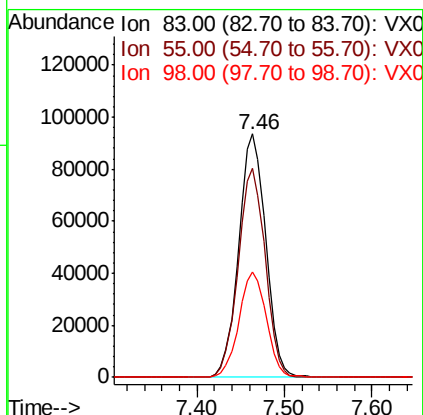
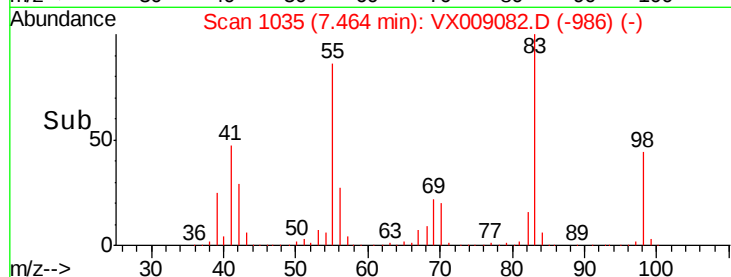
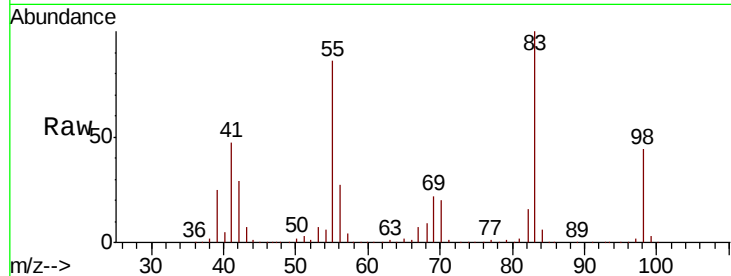




#39
Methvlcvclohexane
Concen: 47.665 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

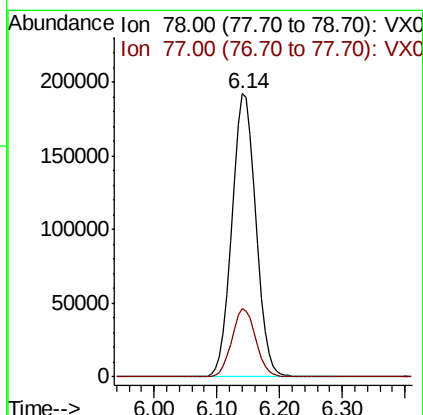
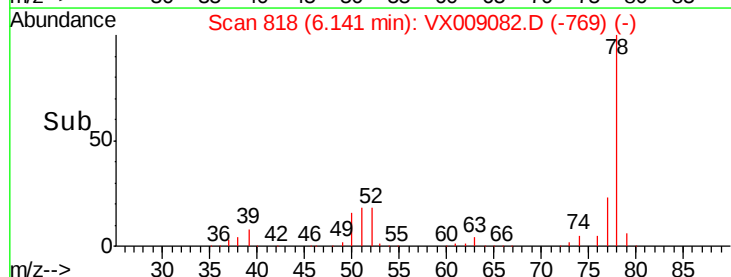
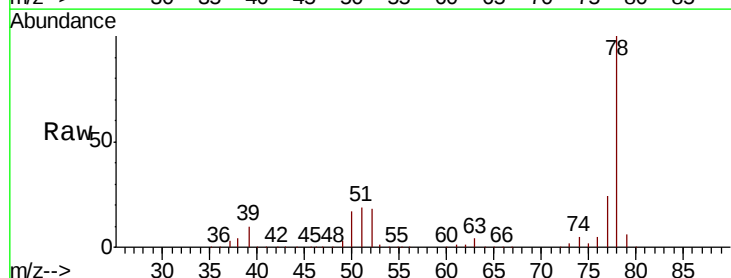
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

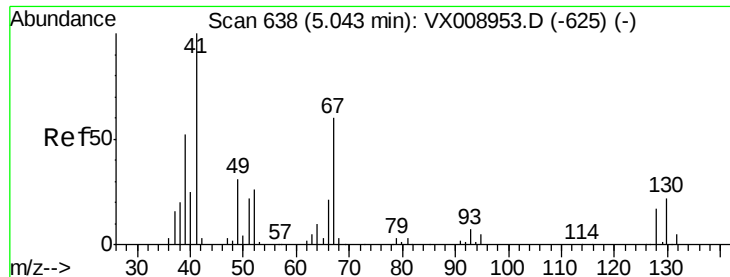
Tot Ion: 83 Resp: 200951
Ion Ratio Lower Upper
83 100
55 85.9 67.1 100.7
98 43.5 35.1 52.7



#40
Benzene
Concen: 49.955 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Tgt Ion: 78 Resp: 510287
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6

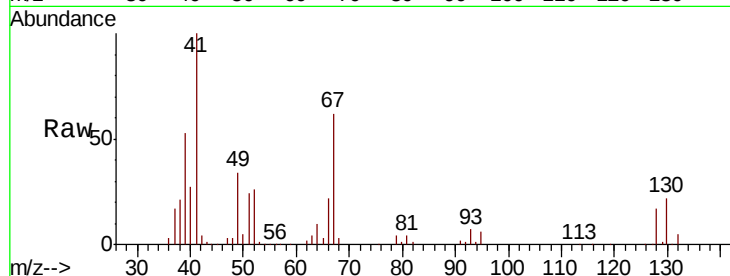




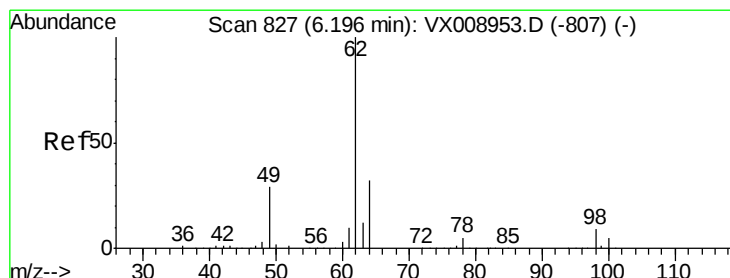
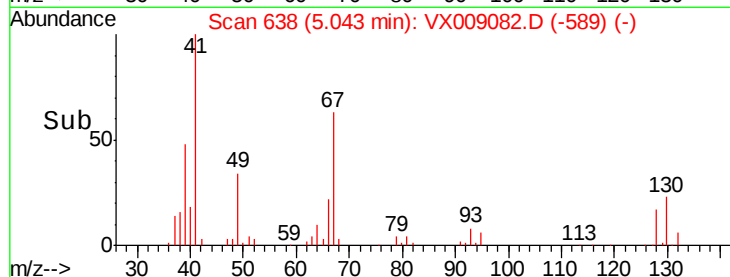
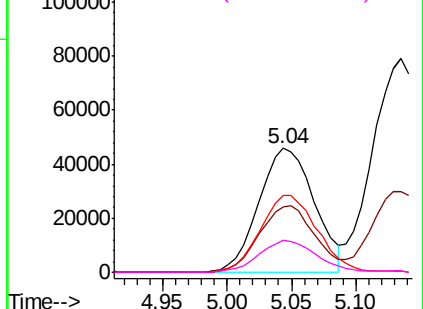
#41
Methacrylonitrile
Concen: 53.507 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	136830
Ion	Ratio	Lower	Upper
41	100		
39	54.4	41.8	62.6
67	64.2	50.2	75.4
52	26.5	21.1	31.7

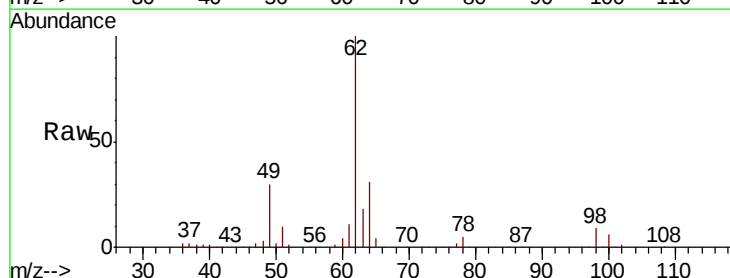


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

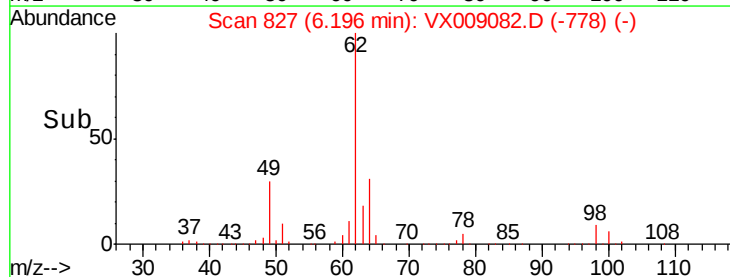
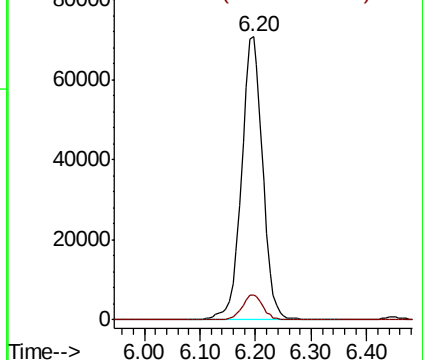


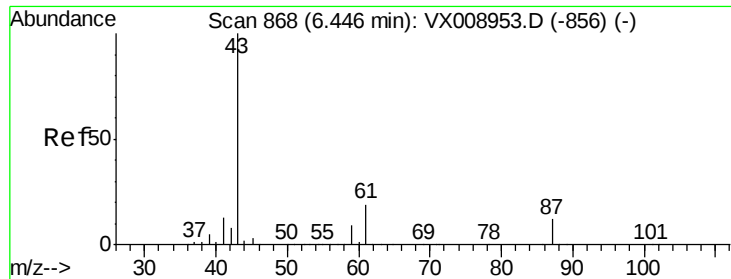
#42
1,2-Dichloroethane
Concen: 51.426 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Tgt Ion:	62	Resp:	186087
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 53.715 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

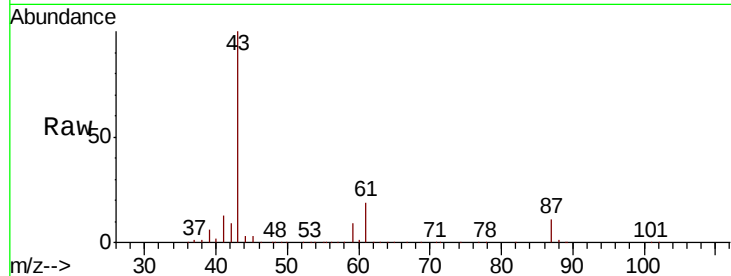
Tot Ion: 43 Resp: 385690

Ion Ratio Lower Upper

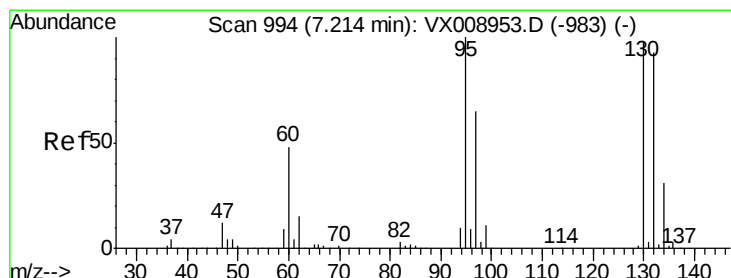
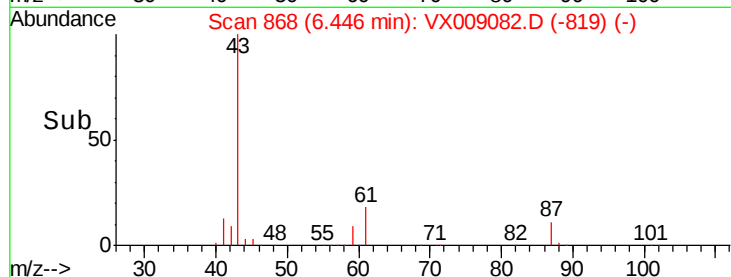
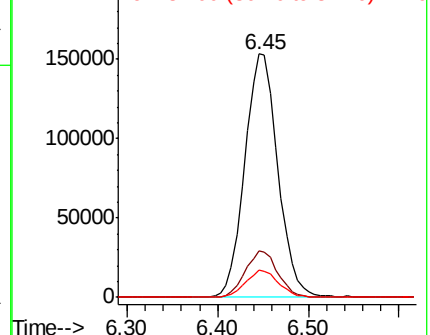
43 100

61 18.8 15.4 23.0

87 11.1 9.0 13.4



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: 47.221 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009082.D

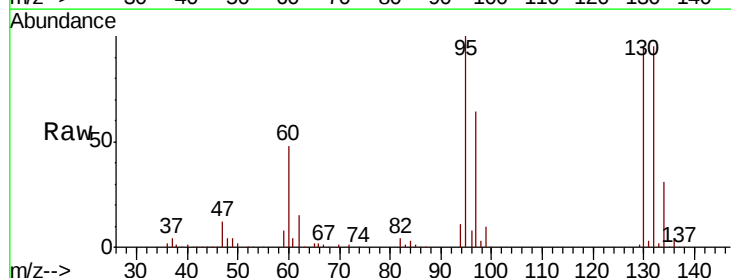
Acq: 19 Apr 2019 19:48

Tgt Ion:130 Resp: 118188

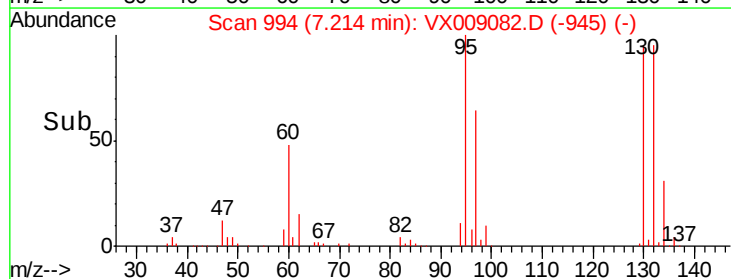
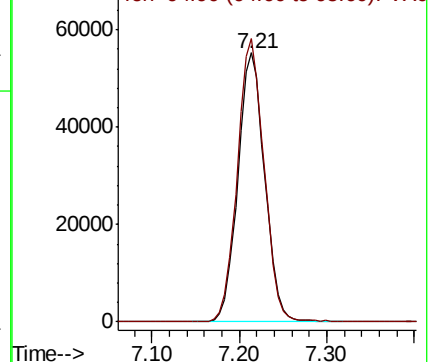
Ion Ratio Lower Upper

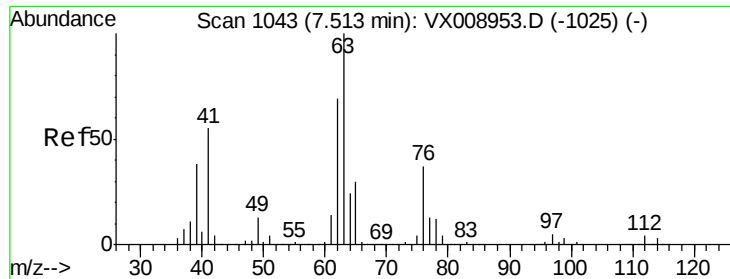
130 100

95 105.2 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 52.568 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

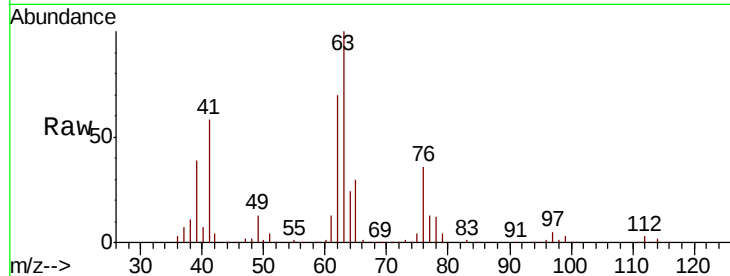
VSTDCCC050EC

Tot Ion: 63 Resp: 148974

Ion Ratio Lower Upper

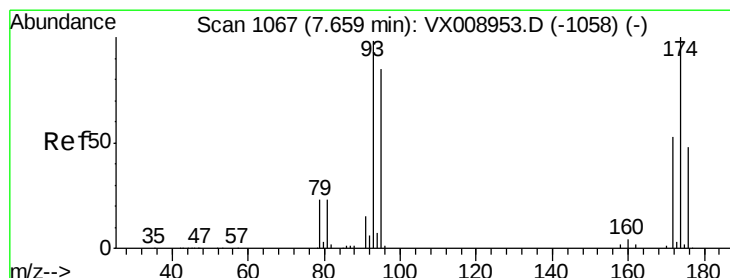
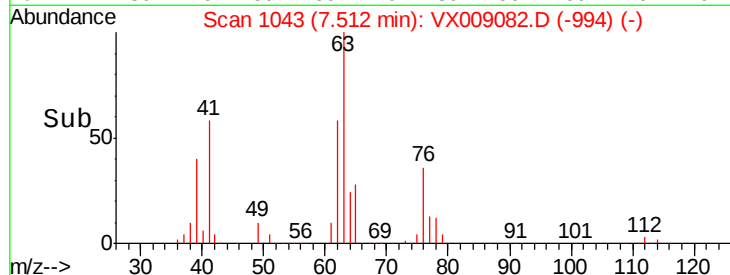
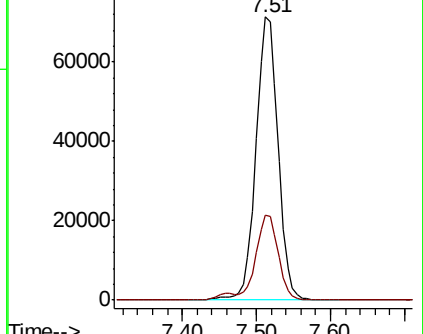
63 100

65 30.1 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.464 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

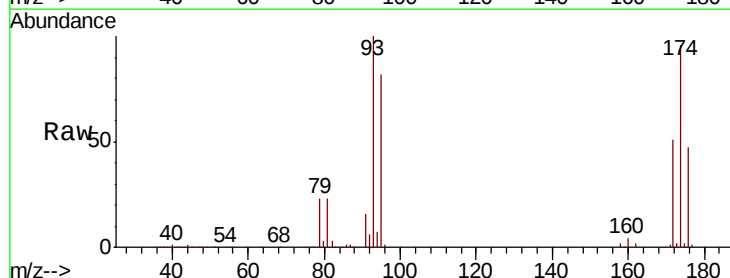
Tgt Ion: 93 Resp: 83229

Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.4

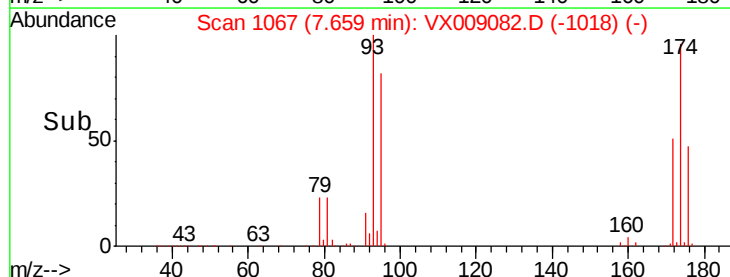
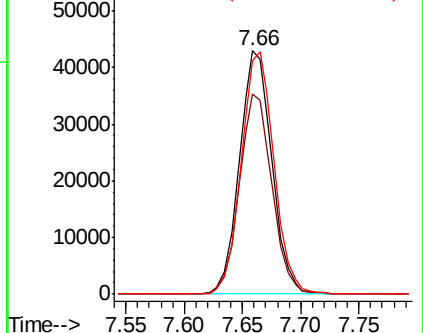
174 100.7 81.6 122.4

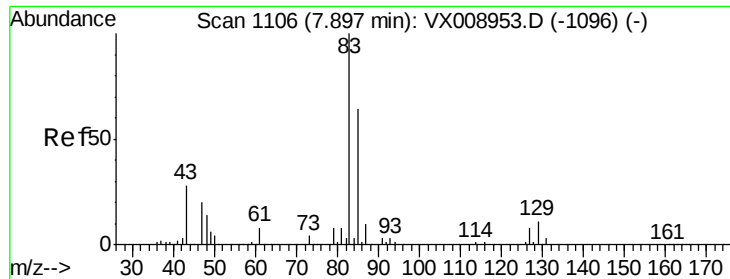


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.218 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

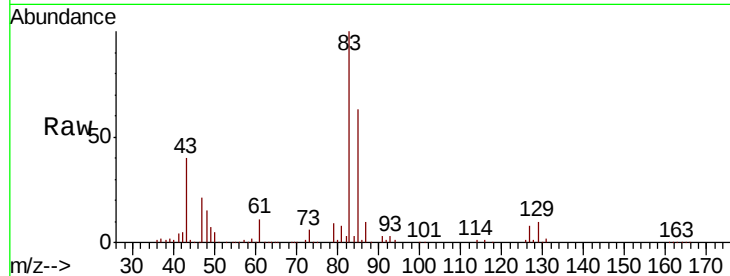
Tot Ion: 83 Resp: 168917

Ion Ratio Lower Upper

83 100

85 63.1 50.8 76.2

127 8.2 6.4 9.6

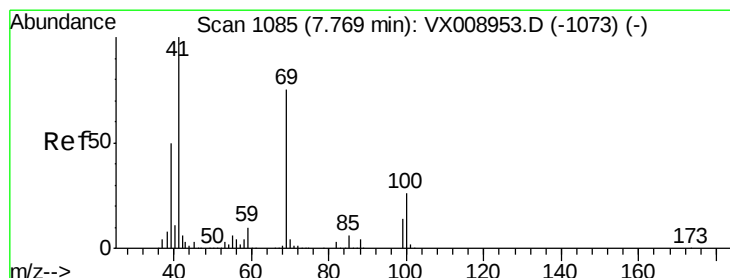
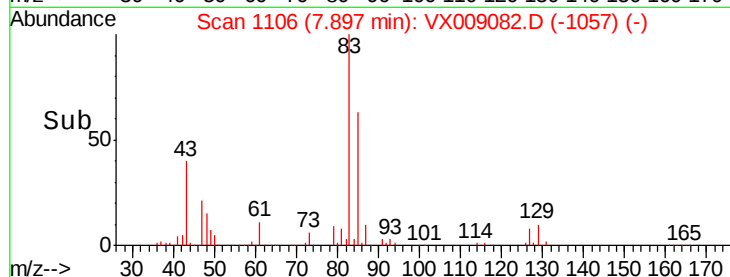
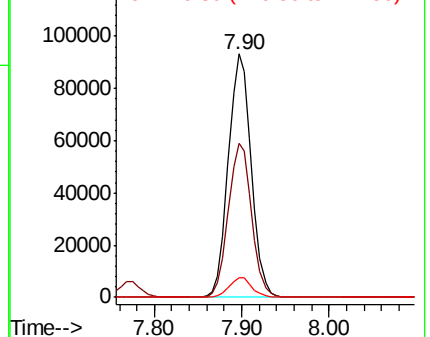


Abundance

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.595 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

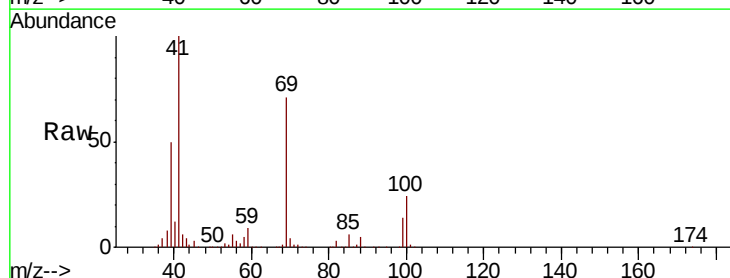
Tgt Ion: 41 Resp: 190146

Ion Ratio Lower Upper

41 100

69 73.3 59.4 89.2

39 50.6 39.8 59.6

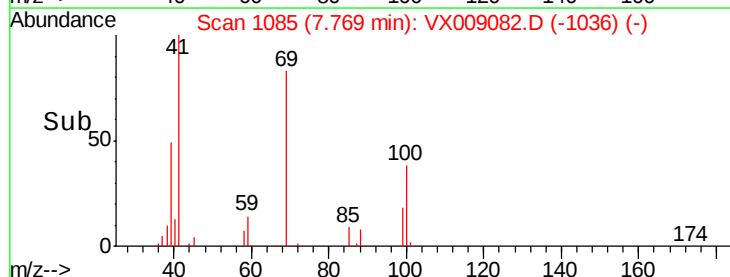
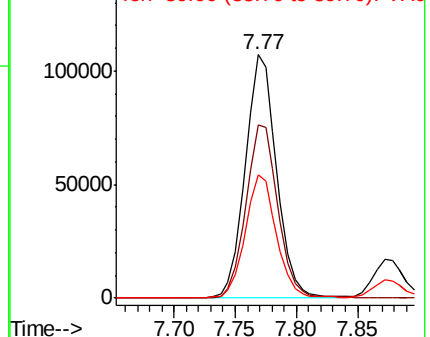


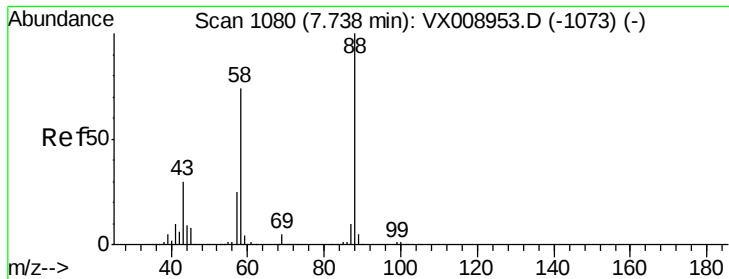
Abundance

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: 934.681 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

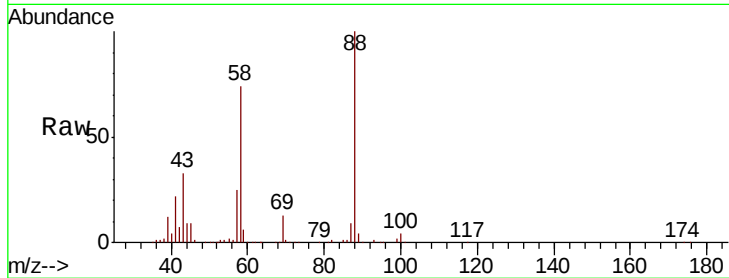
Tot Ion: 88 Resp: 62067

Ion Ratio Lower Upper

88 100

43 37.6 29.3 43.9

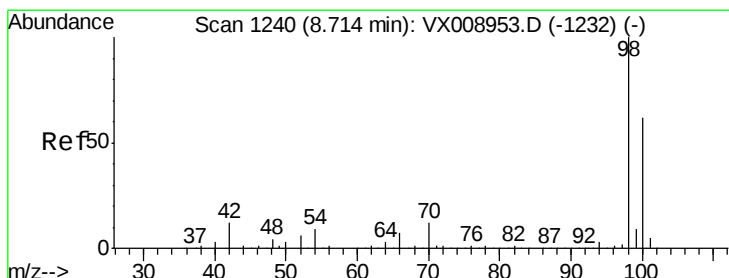
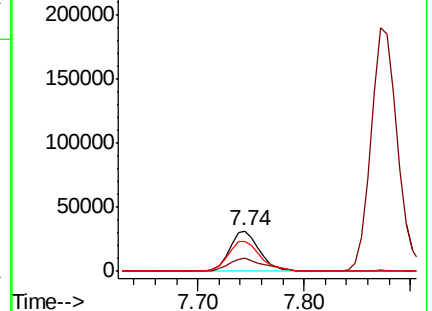
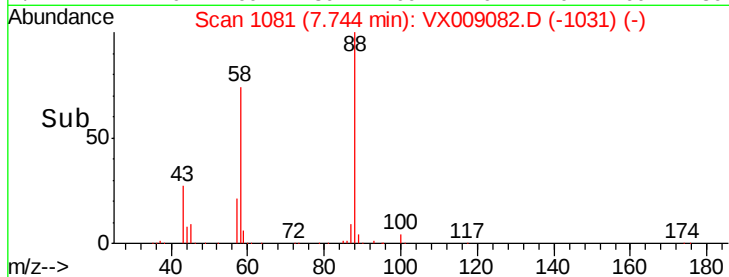
58 80.5 62.6 93.8



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: 50.118 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009082.D

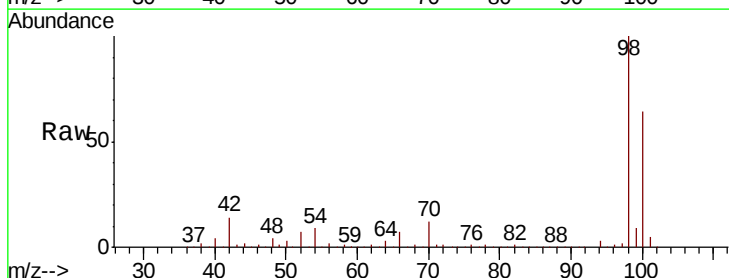
Acq: 19 Apr 2019 19:48

Tgt Ion: 98 Resp: 429472

Ion Ratio Lower Upper

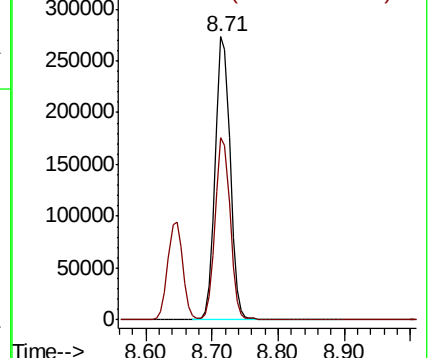
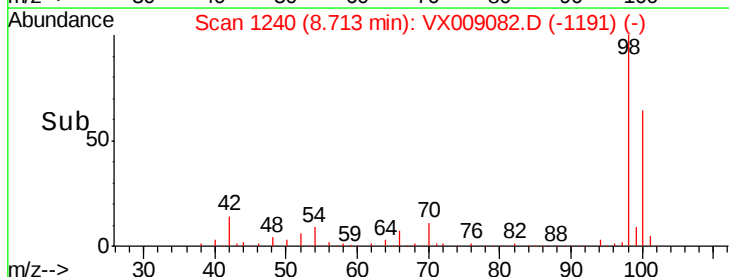
98 100

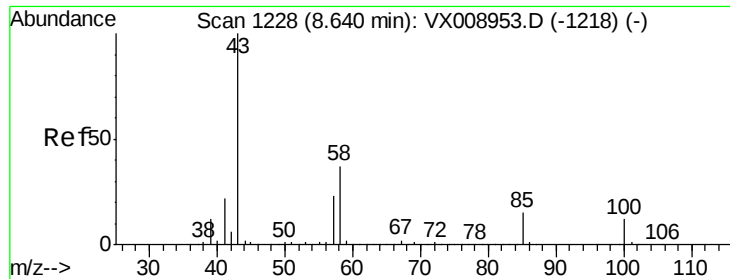
100 63.8 51.4 77.2



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: 270.296 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

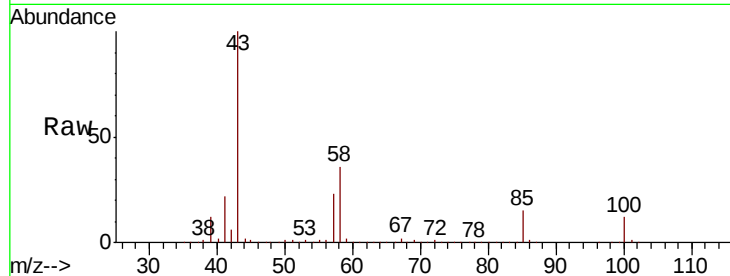
VSTDCCC050EC

Tot Ion: 43 Resp: 1236432

Ion Ratio Lower Upper

43 100

58 36.4 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

800000

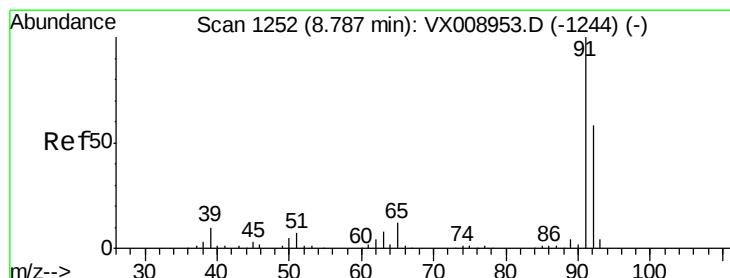
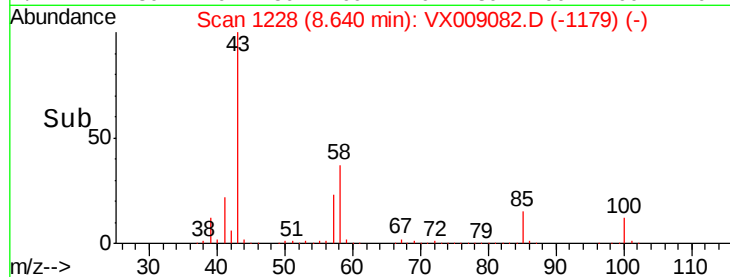
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 48.559 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009082.D

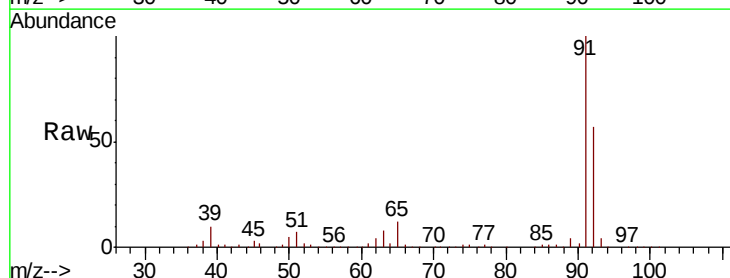
Acq: 19 Apr 2019 19:48

Tgt Ion: 92 Resp: 297279

Ion Ratio Lower Upper

92 100

91 173.3 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

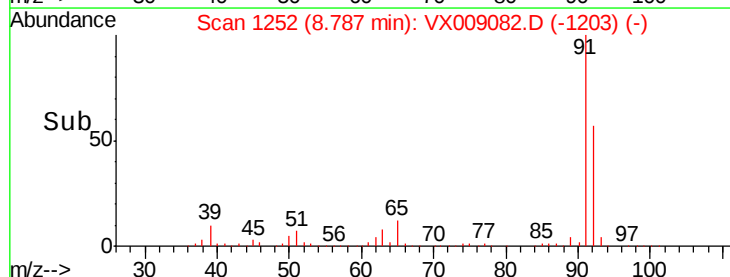
300000

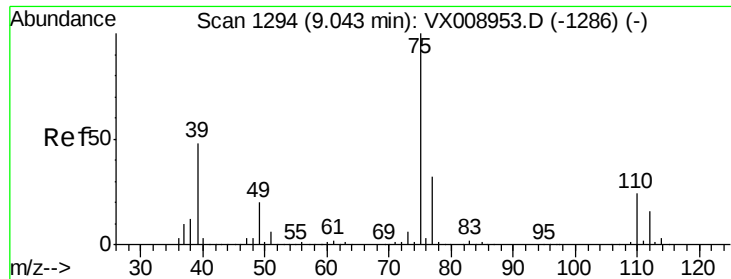
200000

100000

0

Time-->

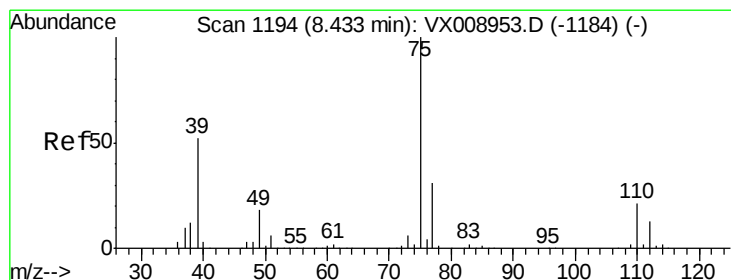
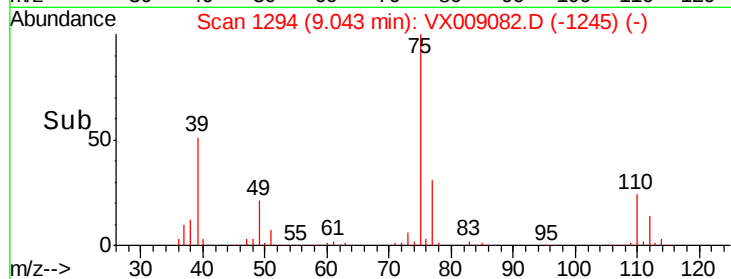
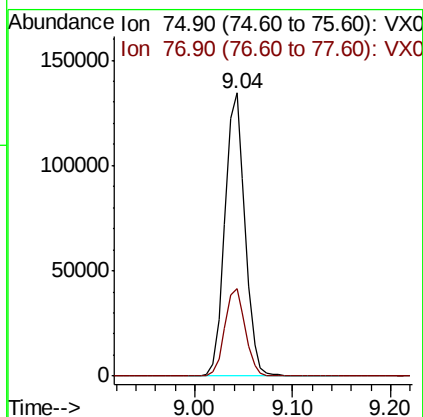
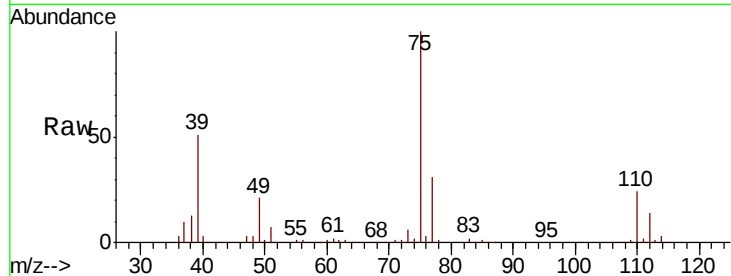




#53
 t-1,3-Dichloropropene
 Concen: 51.432 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX009082.D
 Acq: 19 Apr 2019 19:48

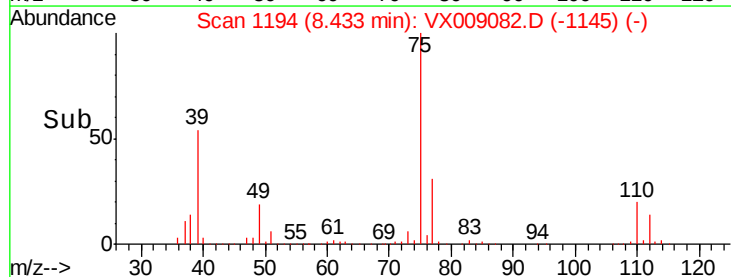
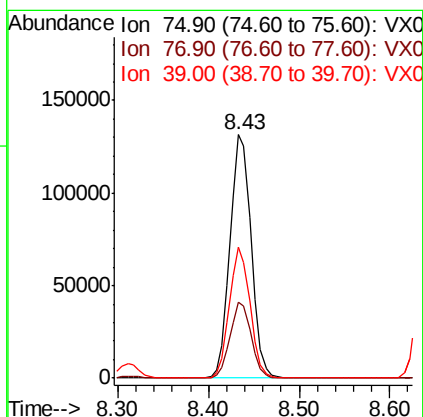
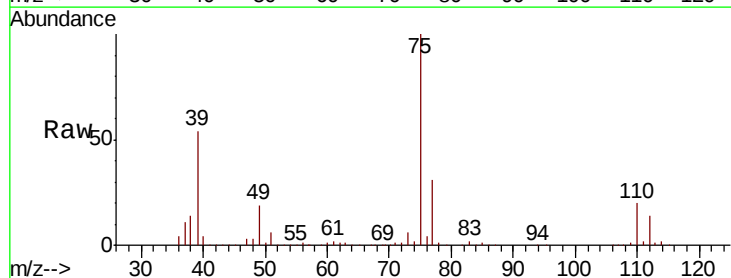
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 191471
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 51.098 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009082.D
 Acq: 19 Apr 2019 19:48

Tgt Ion: 75 Resp: 213004
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.8 37.2
 39 53.9 41.8 62.6

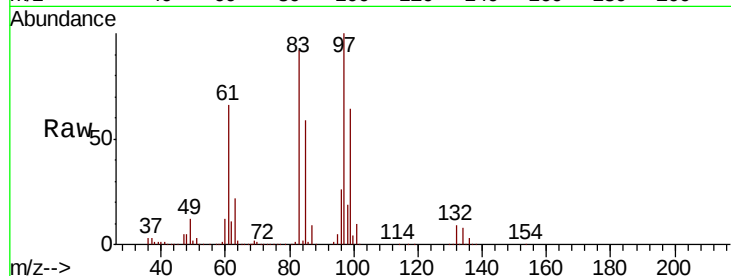




#55
 1,1,2-Trichloroethane
 Concen: 51.644 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009082.D
 Acq: 19 Apr 2019 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	125306
Ion	Ratio	Lower	Upper
97	100		
83	91.5	72.6	108.8
85	59.0	46.9	70.3
99	63.7	51.0	76.6



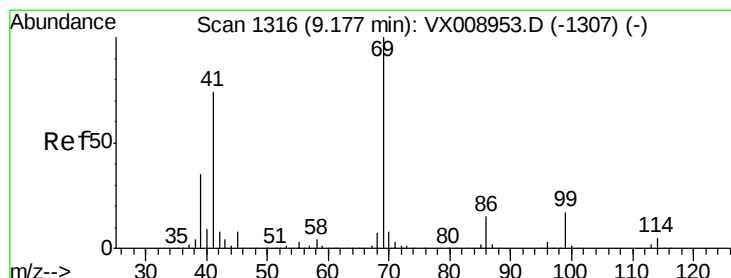
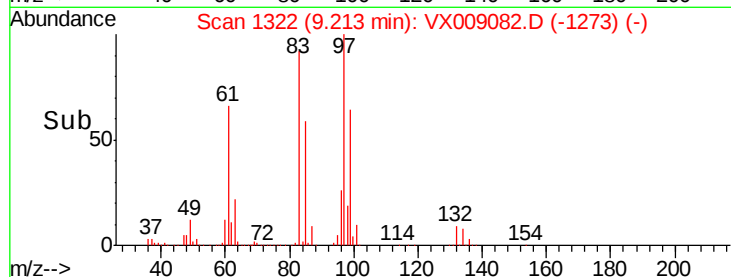
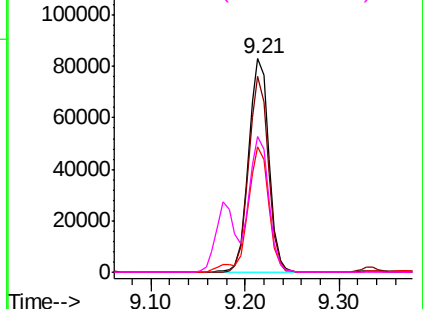
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

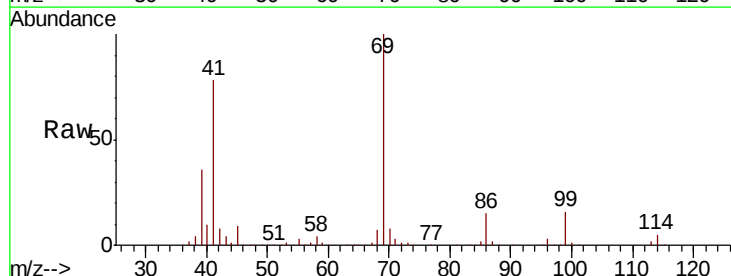
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 52.056 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009082.D
 Acq: 19 Apr 2019 19:48

Tgt Ion:	69	Resp:	226476
Ion	Ratio	Lower	Upper
69	100		
41	76.2	60.2	90.2
39	35.6	27.9	41.9

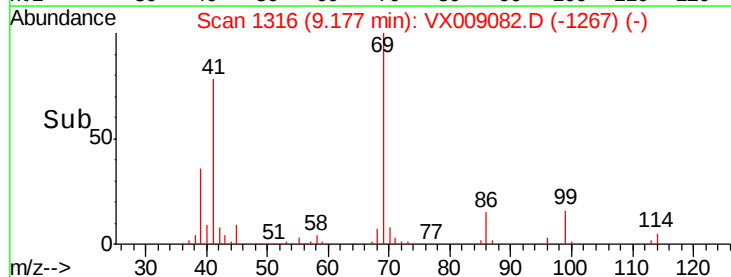
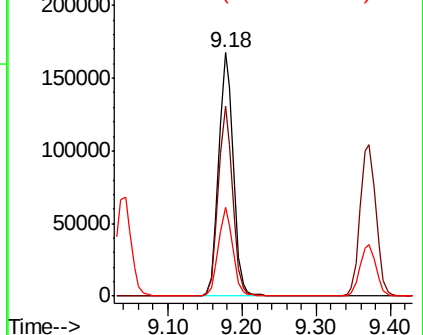


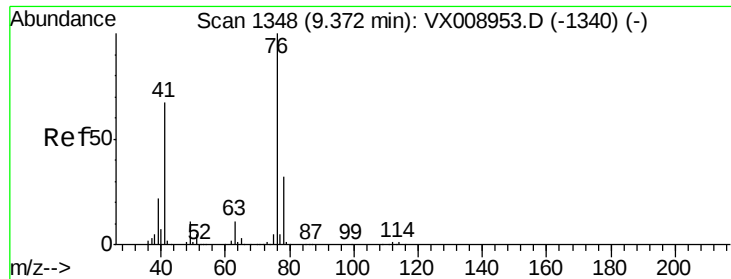
Abundance

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: 51.681 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

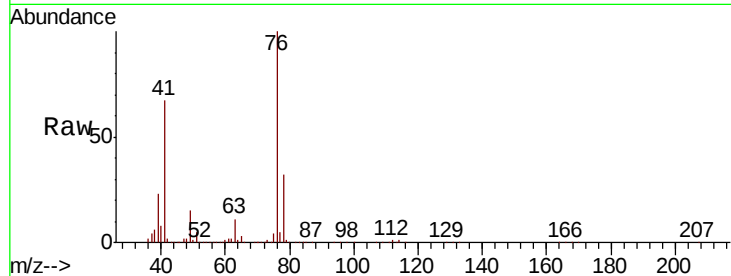
VSTDCCC050EC

Tot Ion: 76 Resp: 223267

Ion Ratio Lower Upper

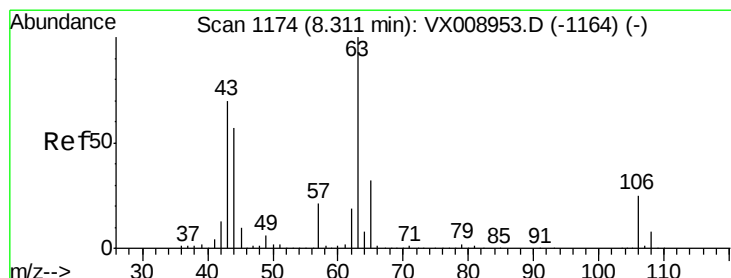
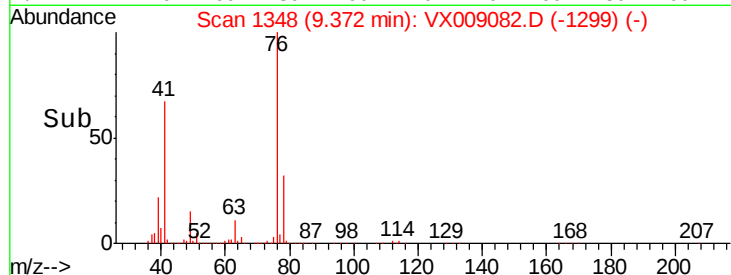
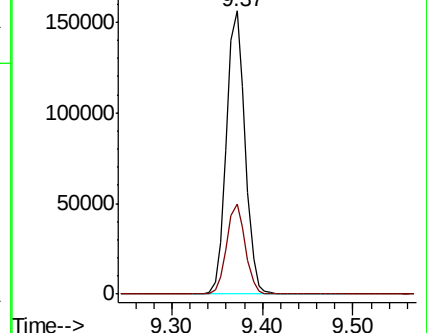
76 100

78 32.0 25.7 38.5



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: 258.011 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009082.D

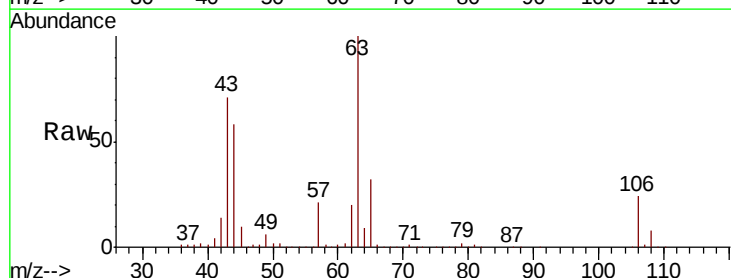
Acq: 19 Apr 2019 19:48

Tgt Ion: 63 Resp: 604477

Ion Ratio Lower Upper

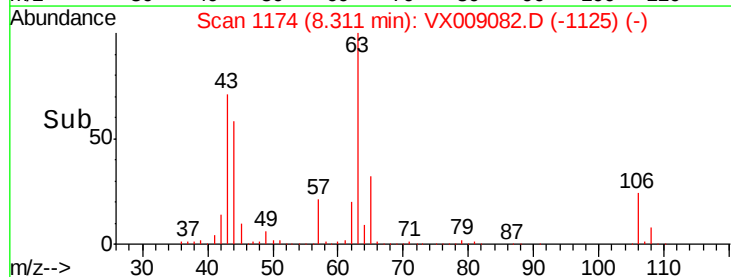
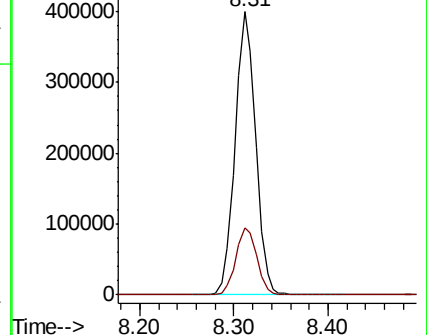
63 100

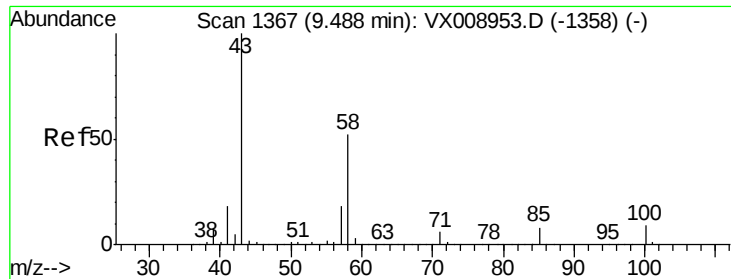
106 24.2 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

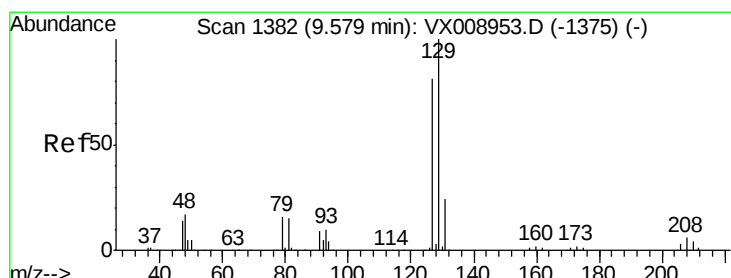
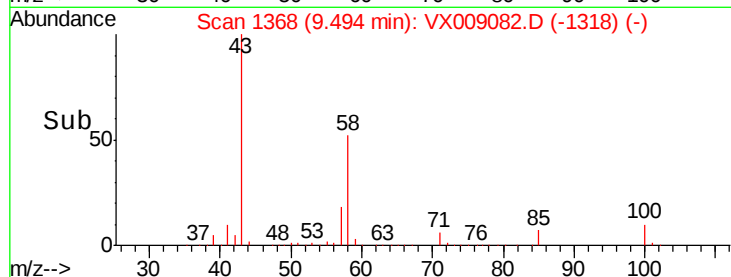
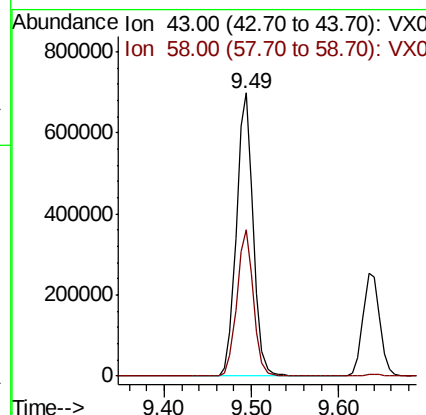
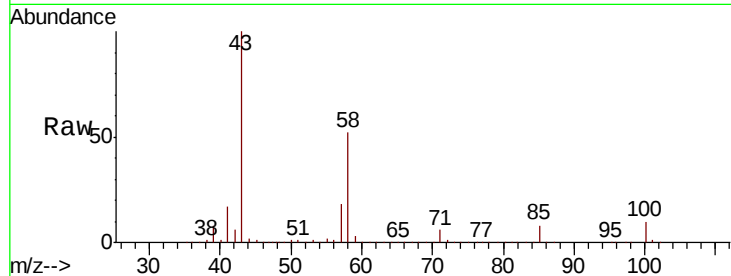




#59
2-Hexanone
Concen: 265.540 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

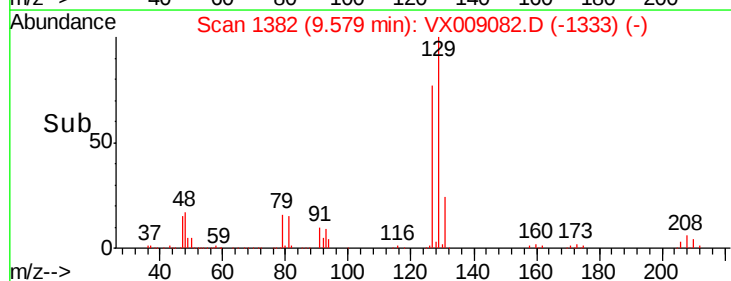
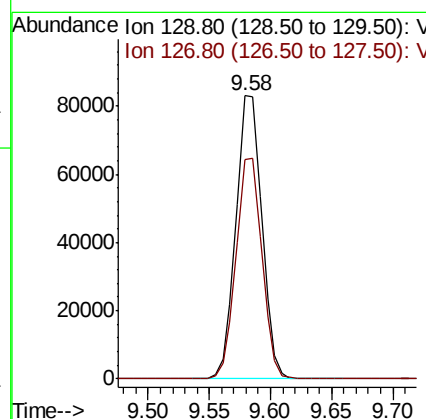
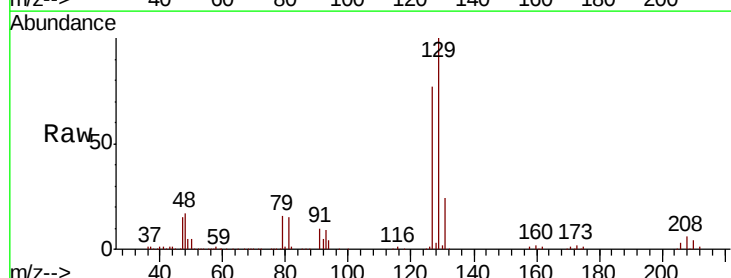
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

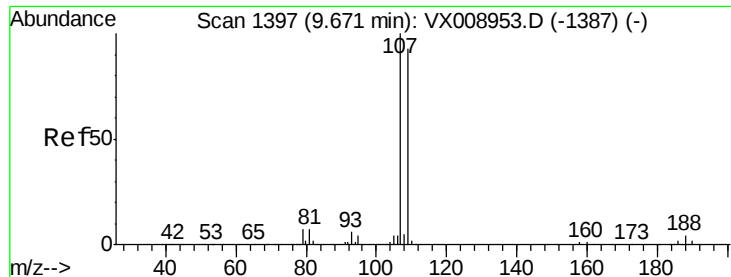
Tot Ion: 43 Resp: 936490
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.8



#60
Dibromochloromethane
Concen: 52.354 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Tgt Ion: 129 Resp: 121745
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 50.462 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

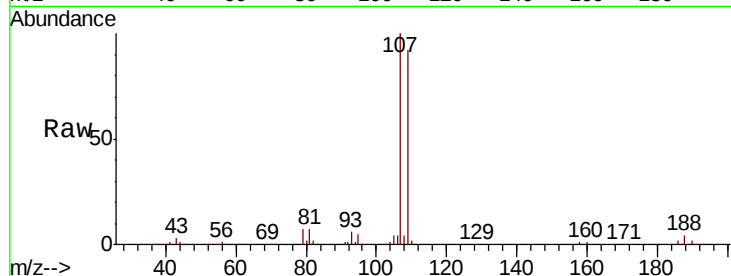
VSTDCCC050EC

Tot Ion:107 Resp: 126366

Ion Ratio Lower Upper

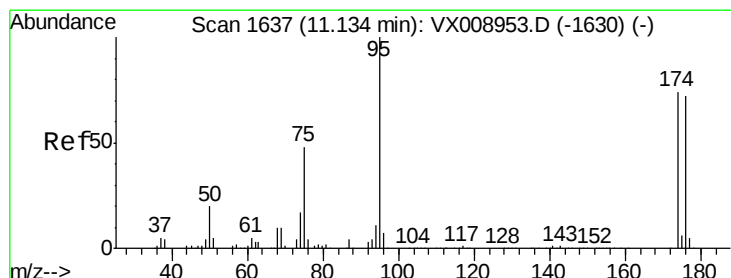
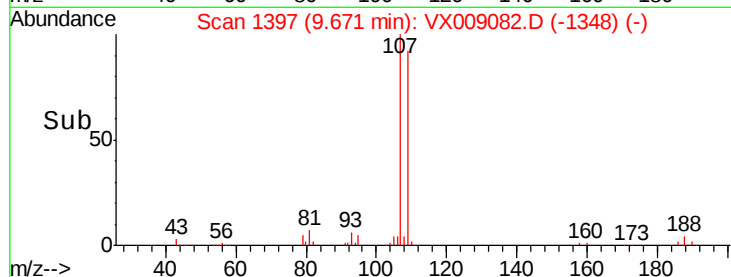
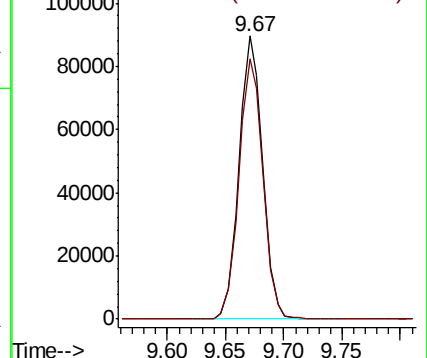
107 100

109 93.5 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.123 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

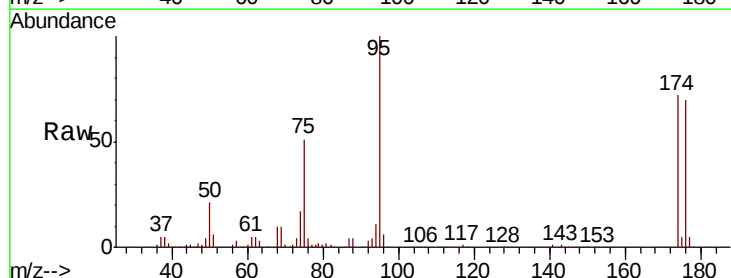
Tgt Ion: 95 Resp: 151619

Ion Ratio Lower Upper

95 100

174 78.6 0.0 159.6

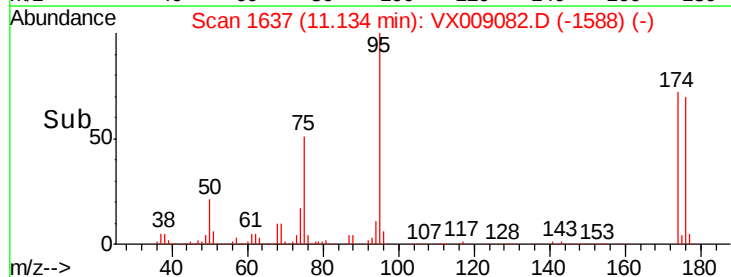
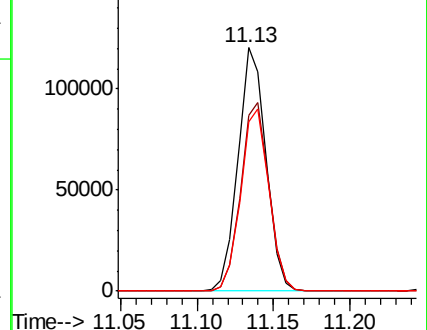
176 76.0 0.0 154.8

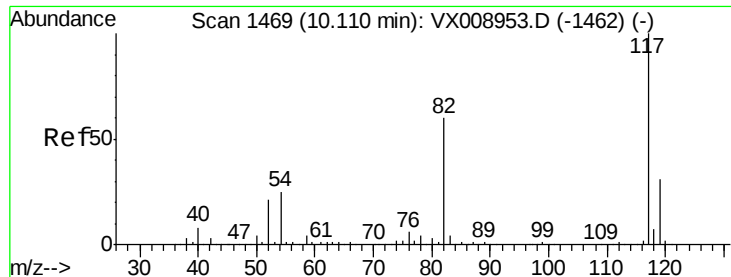


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

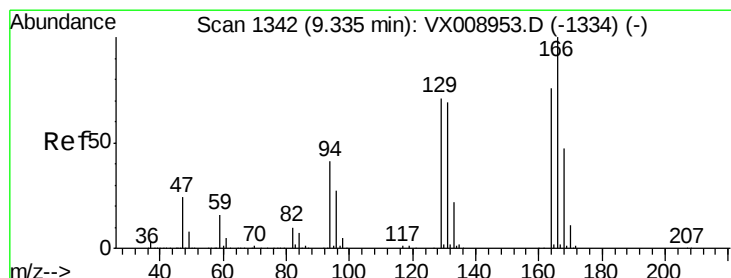
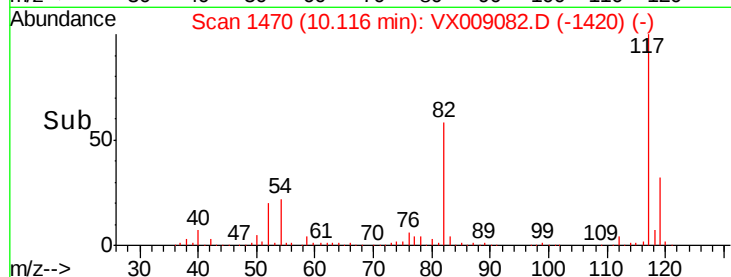
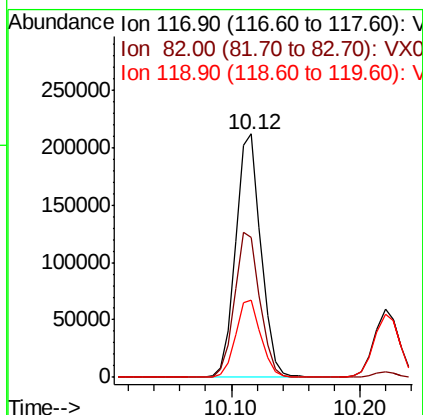
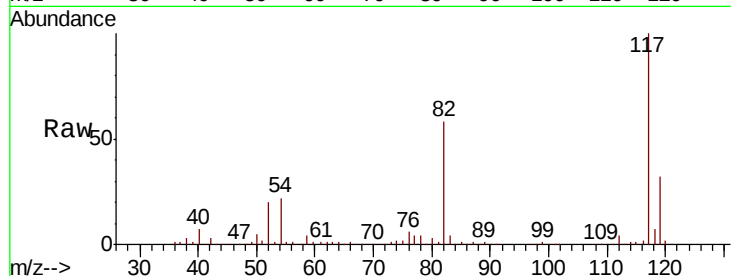




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

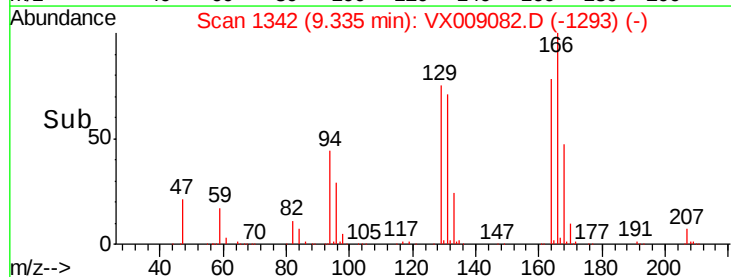
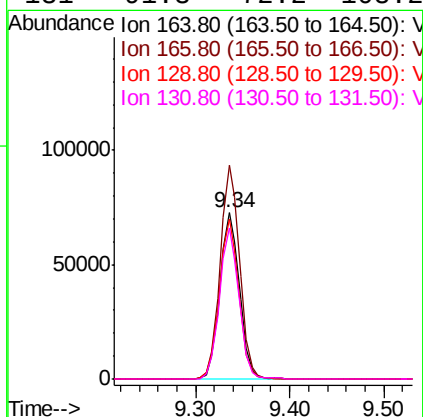
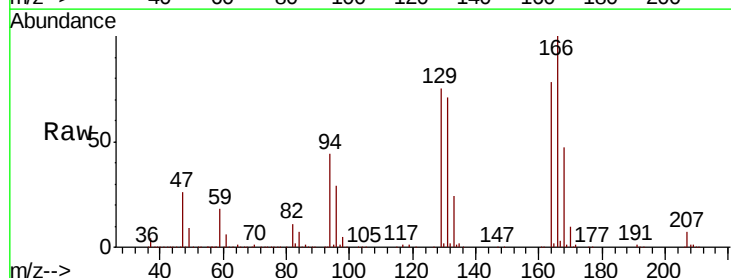
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

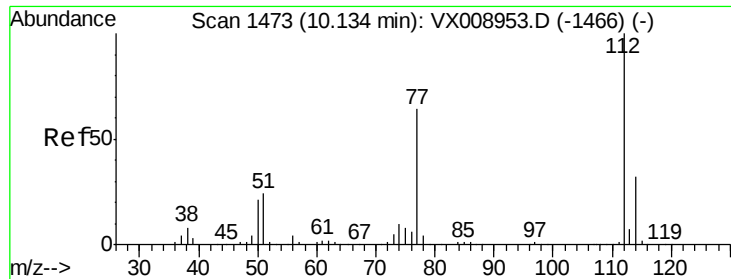
Tot Ion:117 Resp: 288942
Ion Ratio Lower Upper
117 100
82 57.7 48.2 72.4
119 31.8 25.0 37.6



#64
Tetrachloroethene
Concen: 47.597 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Tgt Ion:164 Resp: 104477
Ion Ratio Lower Upper
164 100
166 128.8 105.0 157.4
129 96.5 74.2 111.4
131 91.3 72.2 108.2

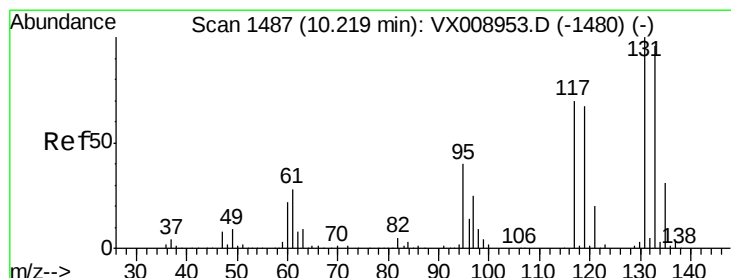
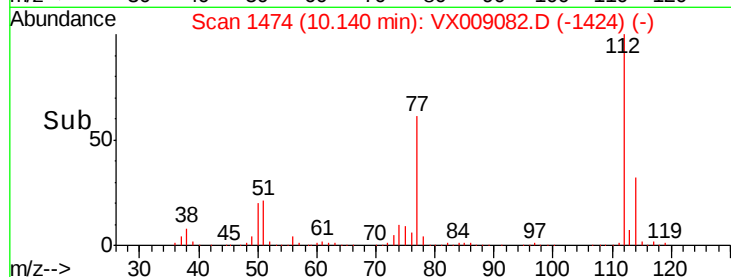
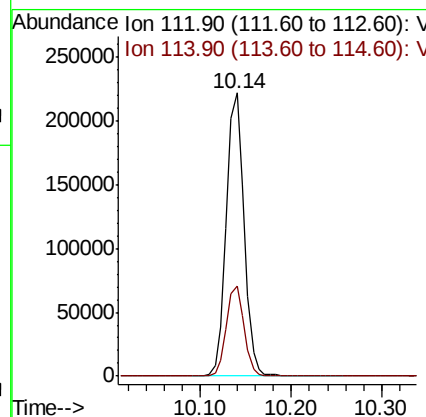
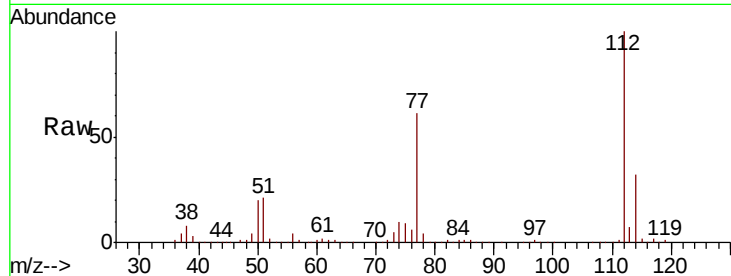




#65
Chlorobenzene
Concen: 49.739 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

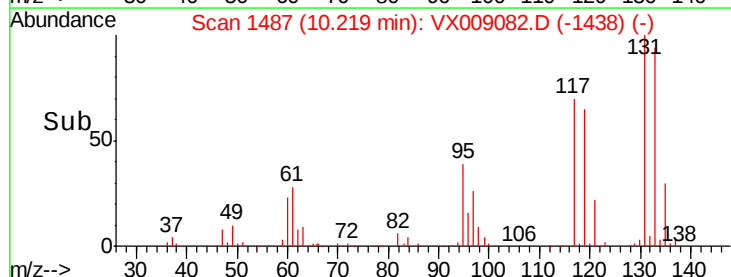
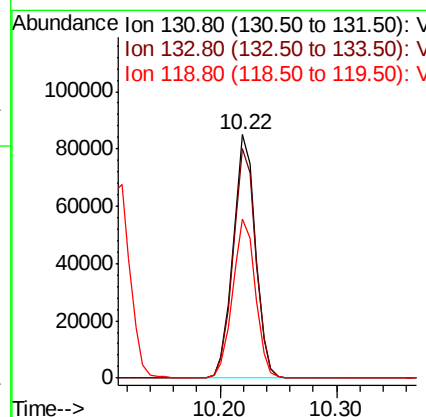
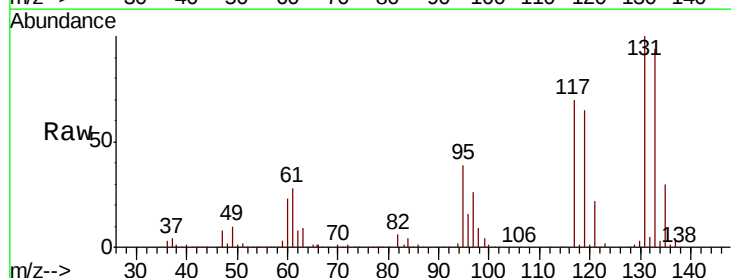
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

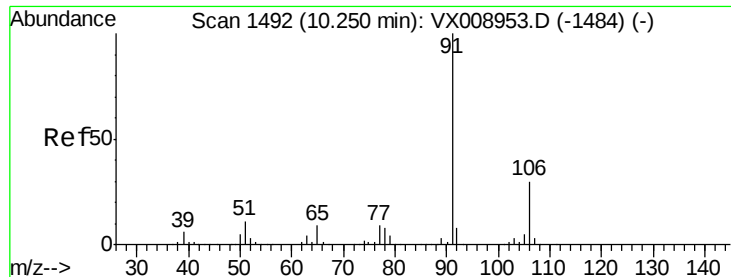
Tot Ion:112 Resp: 303347
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.847 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Tgt Ion:131 Resp: 113542
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.2
119 66.4 33.7 101.1

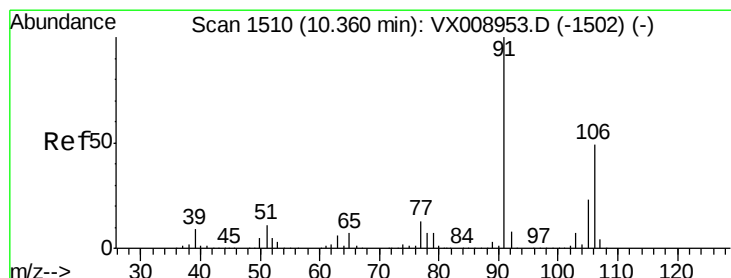
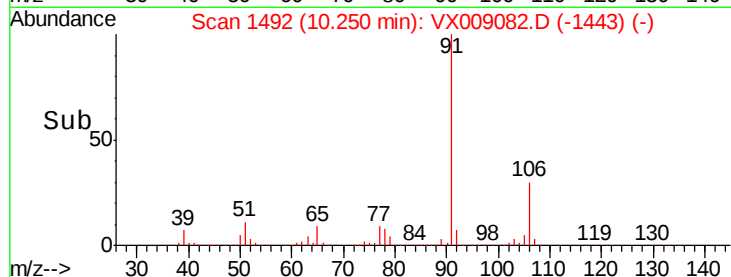
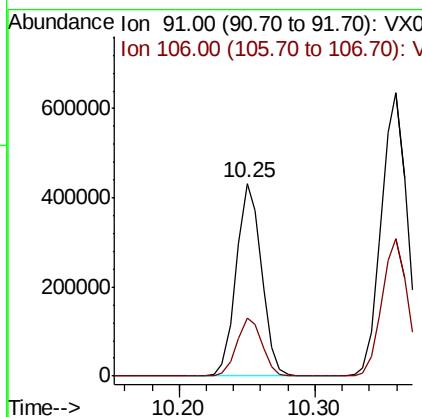
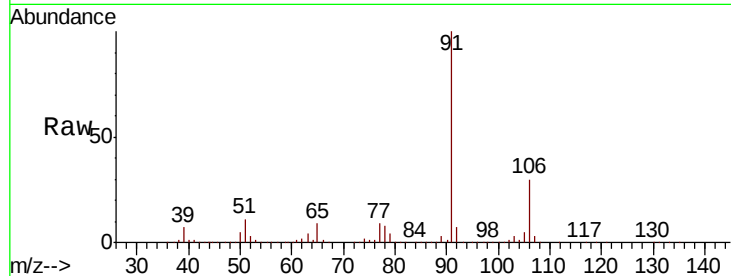




#67
Ethyl Benzene
Concen: 50.227 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

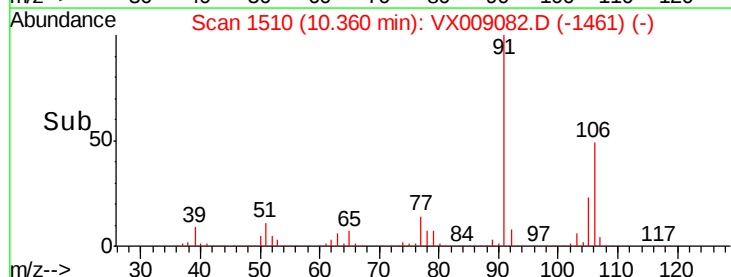
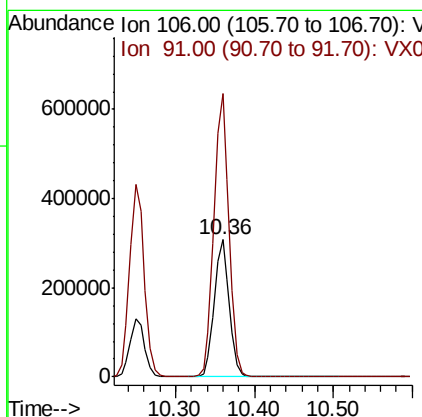
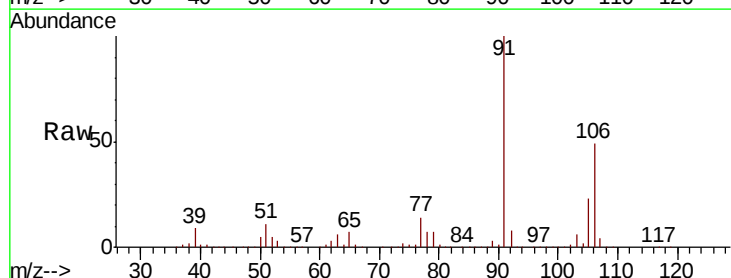
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

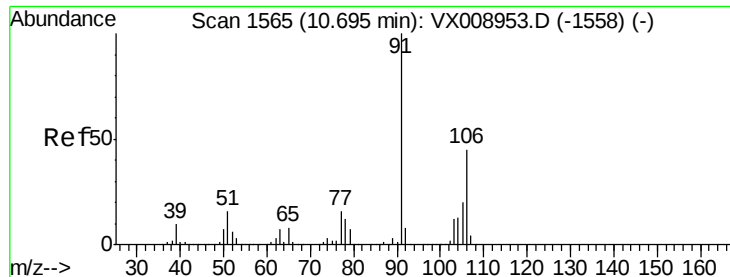
Tot Ion: 91 Resp: 559970
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5



#68
m/p-Xylenes
Concen: 100.390 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Tgt Ion: 106 Resp: 406756
Ion Ratio Lower Upper
106 100
91 207.6 165.4 248.2

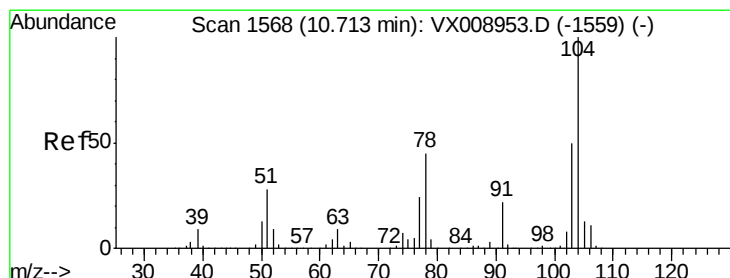
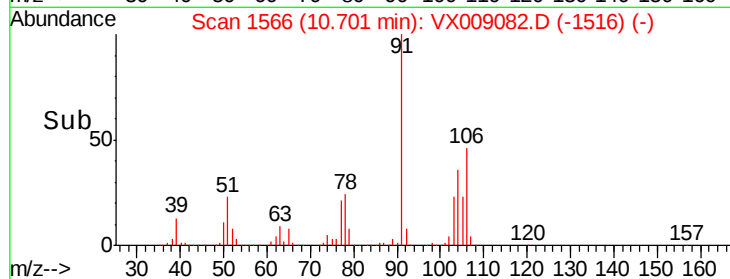
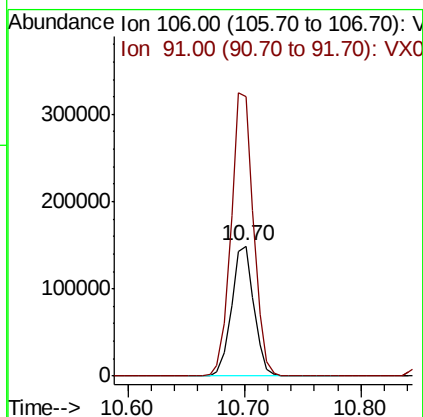
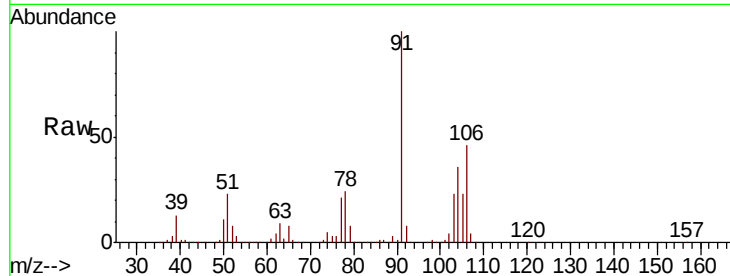




#69
o-Xylene
Concen: 50.366 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

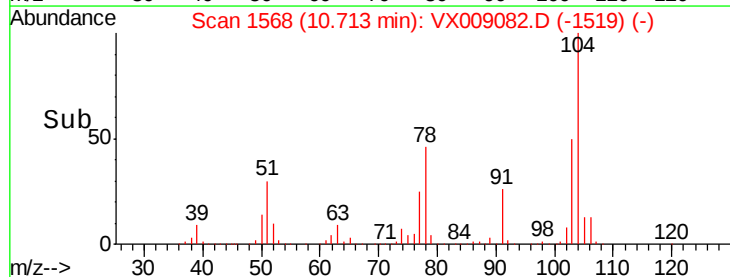
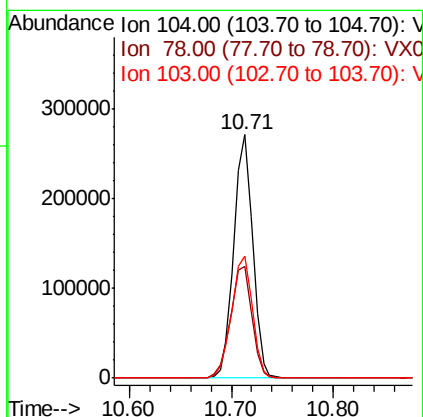
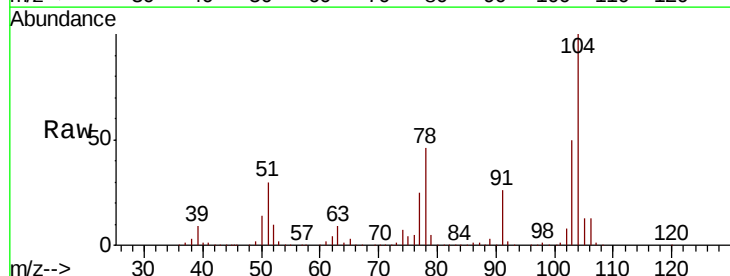
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

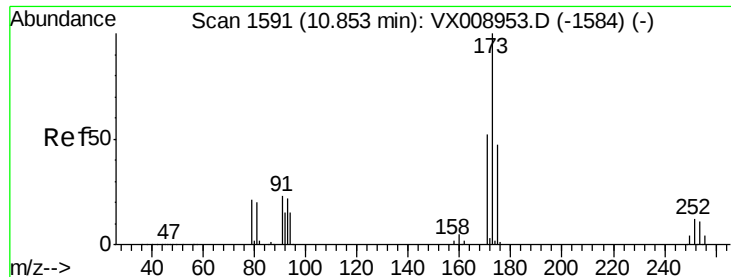
Tot Ion:106 Resp: 198564
Ion Ratio Lower Upper
106 100
91 218.4 108.9 326.7



#70
Styrene
Concen: 50.632 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Tgt Ion:104 Resp: 345915
Ion Ratio Lower Upper
104 100
78 52.0 41.2 61.8
103 55.2 43.9 65.9





#71

Bromoform

Concen: 52.141 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

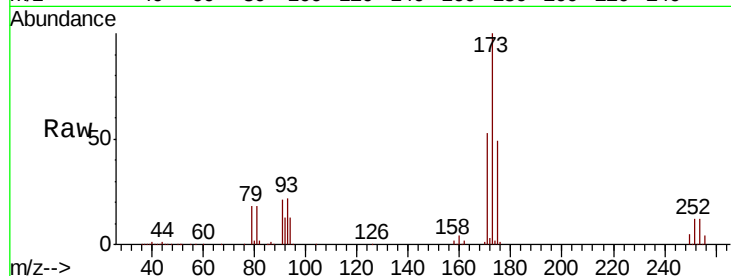
Tot Ion:173 Resp: 89250

Ion Ratio Lower Upper

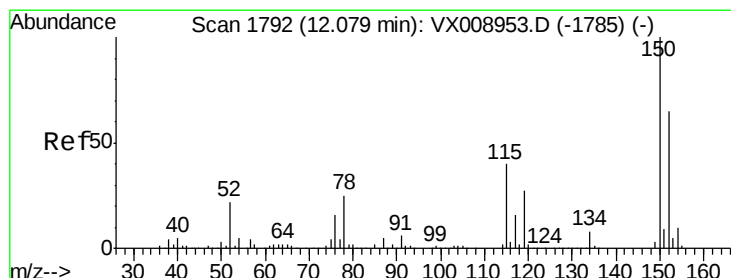
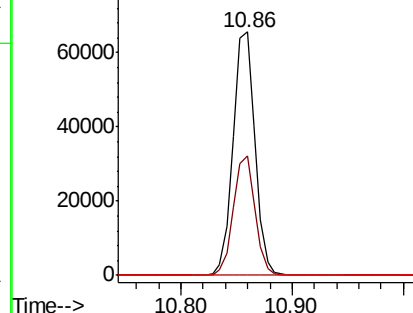
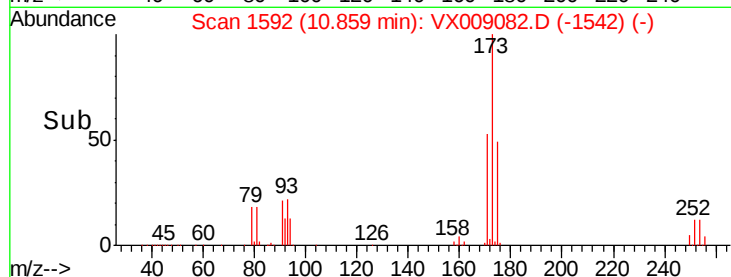
173 100

175 48.8 23.9 71.8

254 0.2 0.2 0.4#



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: VX009082.D

Acq: 19 Apr 2019 19:48

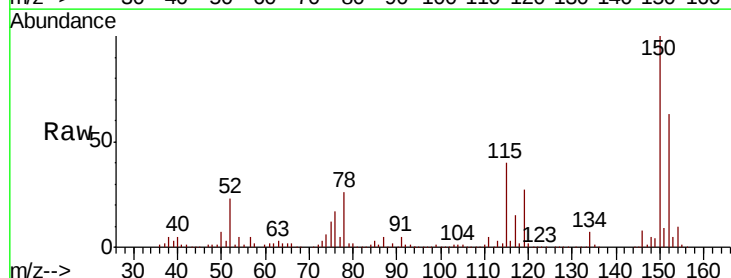
Tgt Ion:152 Resp: 135310

Ion Ratio Lower Upper

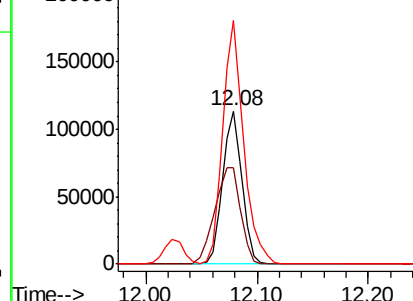
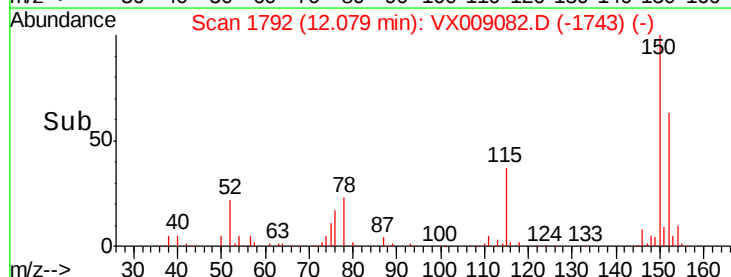
152 100

115 84.9 41.4 124.2

150 173.5 0.0 349.8



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





#73

Isopropylbenzene

Concen: 52.023 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

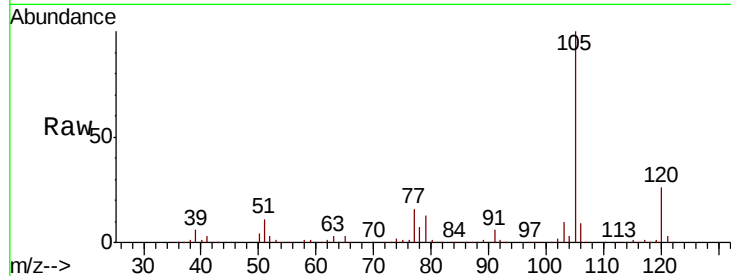
VSTDCCC050EC

Tot Ion:105 Resp: 533564

Ion Ratio Lower Upper

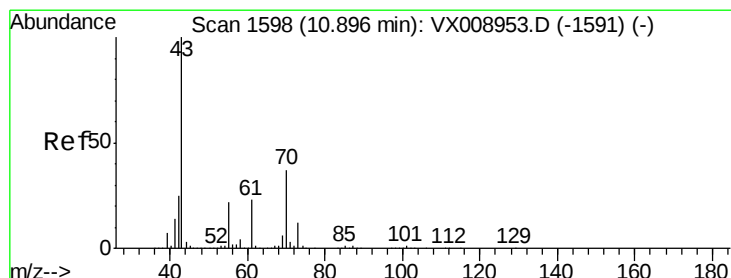
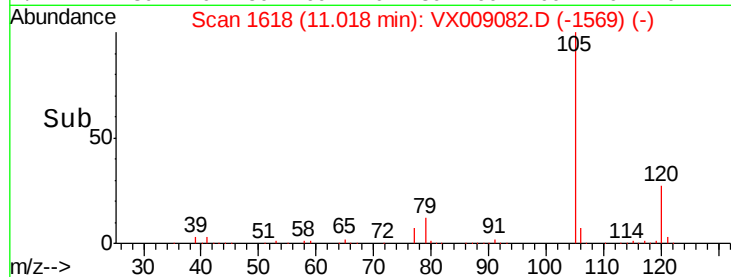
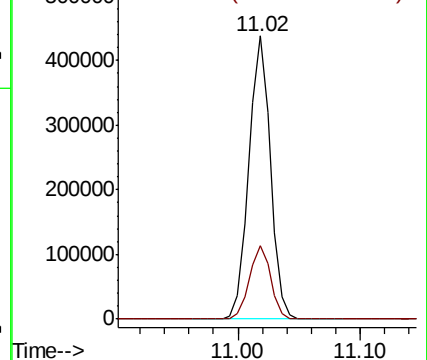
105 100

120 25.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.439 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Tgt Ion: 43 Resp: 320588

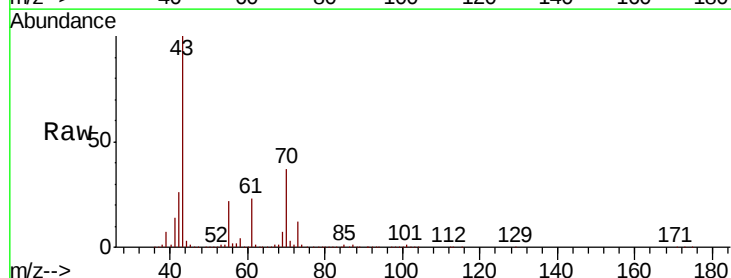
Ion Ratio Lower Upper

43 100

70 37.0 29.9 44.9

55 22.3 17.8 26.8

61 22.4 18.3 27.5

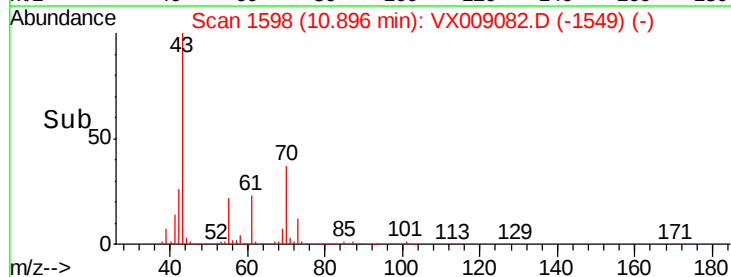
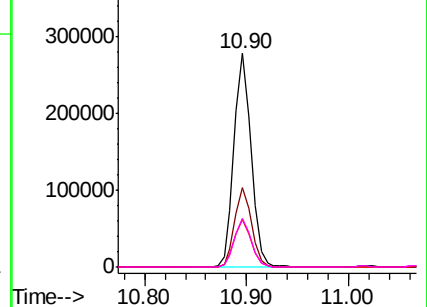


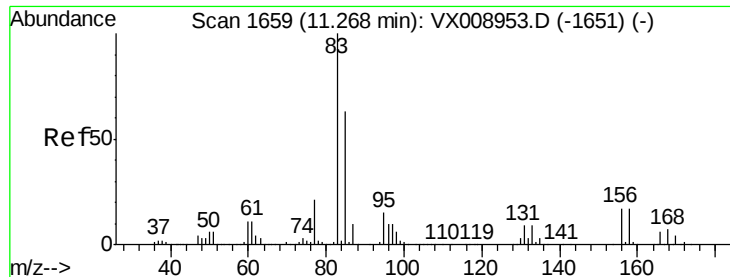
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.123 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

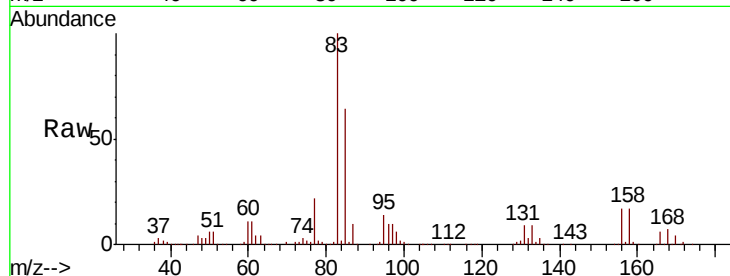
Tot Ion: 83 Resp: 199078

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

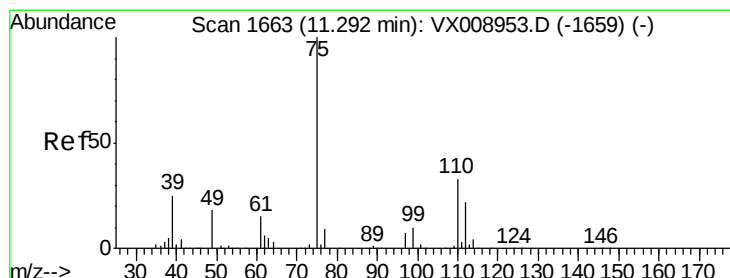
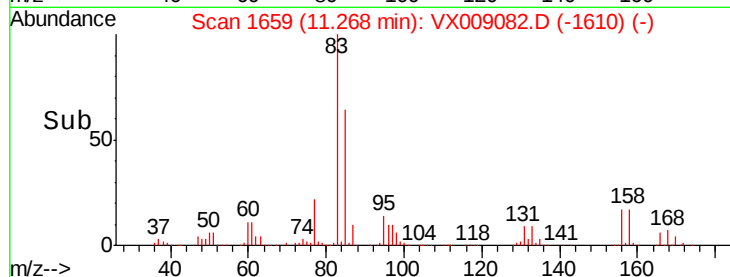
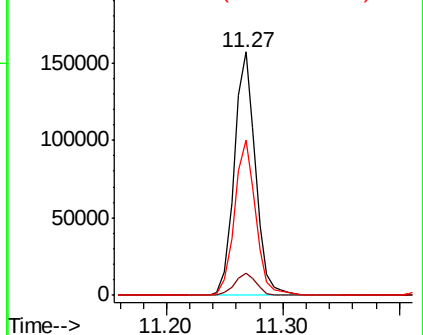
85 63.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 71.596 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX009082.D

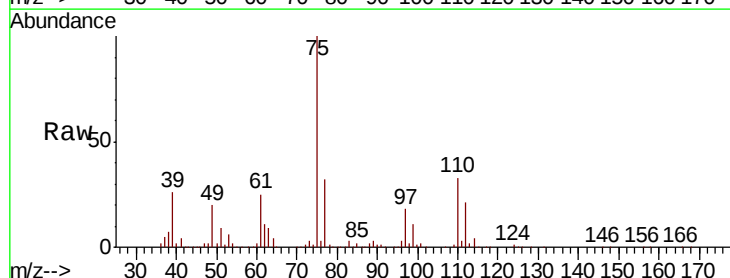
Acq: 19 Apr 2019 19:48

Tgt Ion: 75 Resp: 236555

Ion Ratio Lower Upper

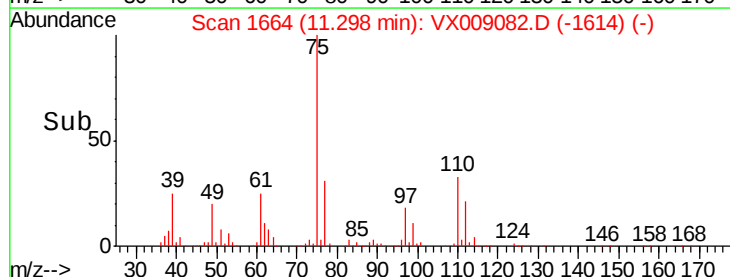
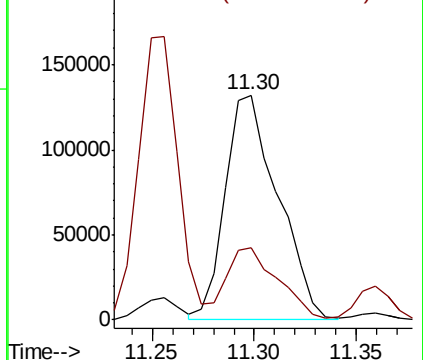
75 100

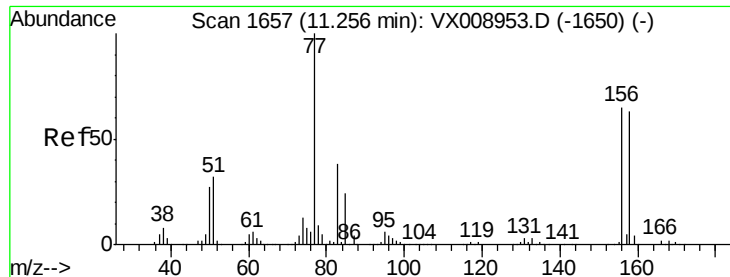
77 32.0 22.7 68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.967 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

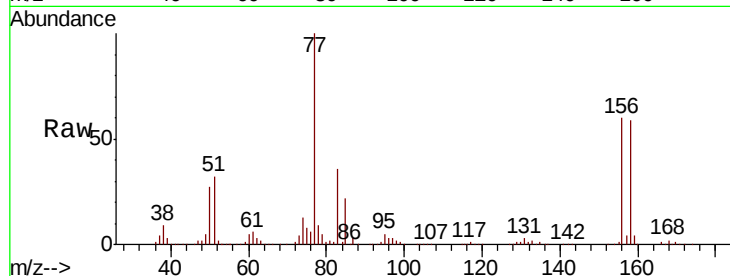
Tot Ion:156 Resp: 126714

Ion Ratio Lower Upper

156 100

77 174.9 85.4 256.1

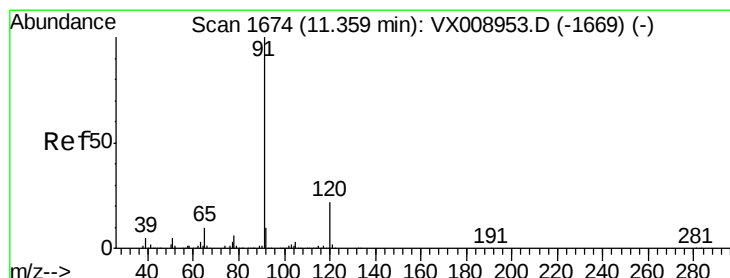
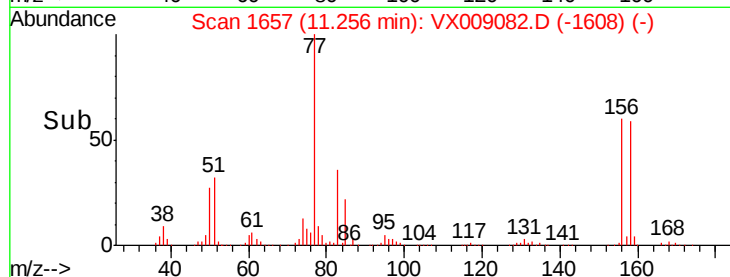
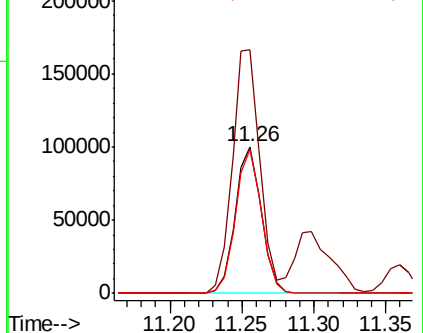
158 97.6 48.8 146.4



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: 51.770 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009082.D

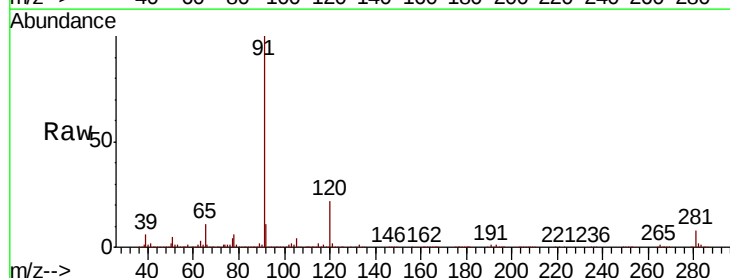
Acq: 19 Apr 2019 19:48

Tgt Ion: 91 Resp: 609437

Ion Ratio Lower Upper

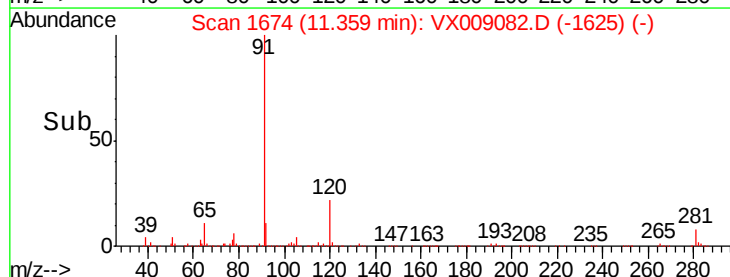
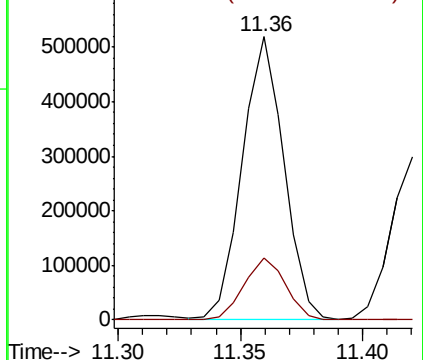
91 100

120 22.1 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.698 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

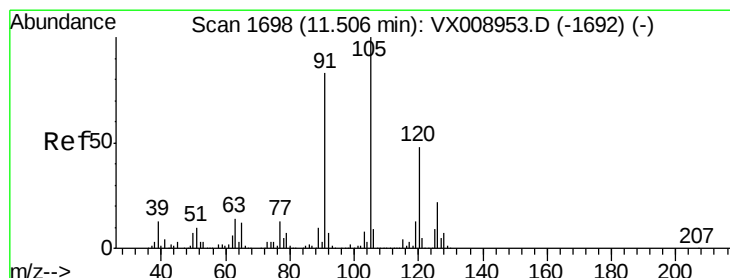
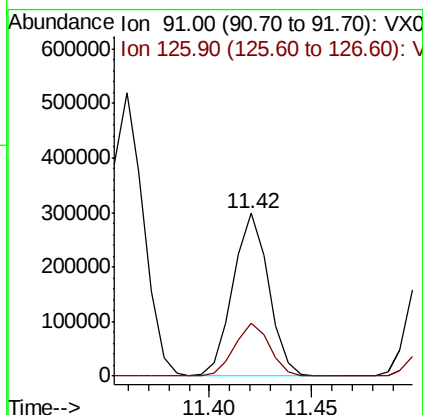
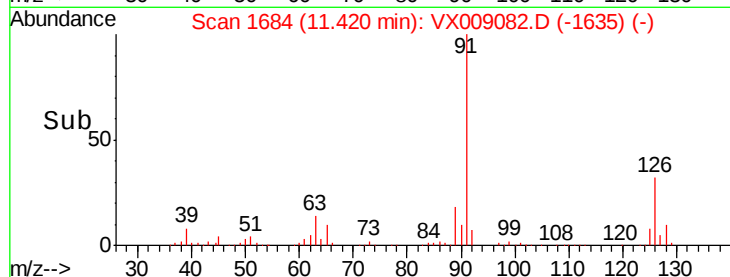
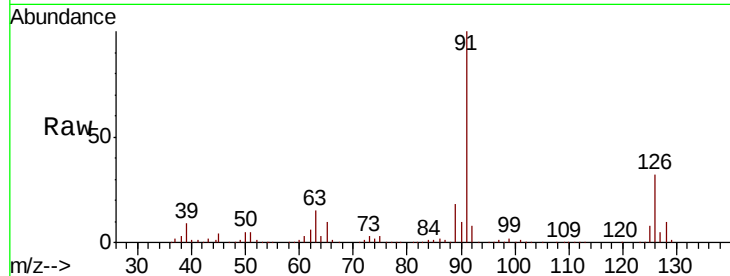
VSTDCCC050EC

Tot Ion: 91 Resp: 359645

Ion Ratio Lower Upper

91 100

126 32.3 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 51.263 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009082.D

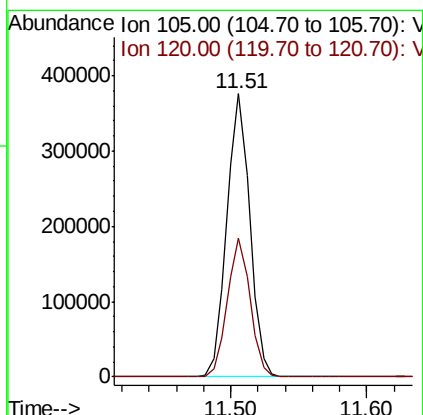
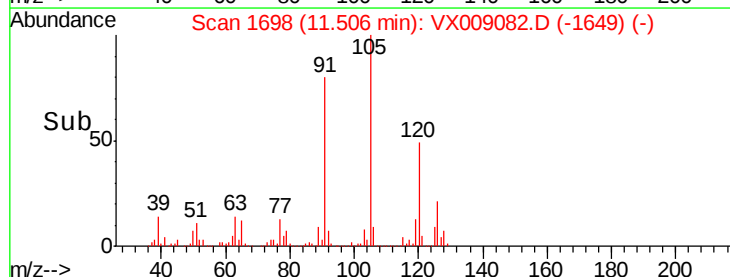
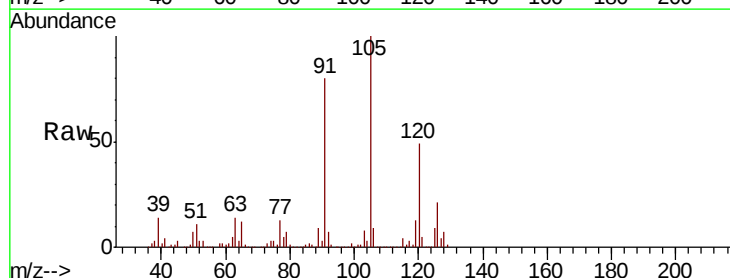
Acq: 19 Apr 2019 19:48

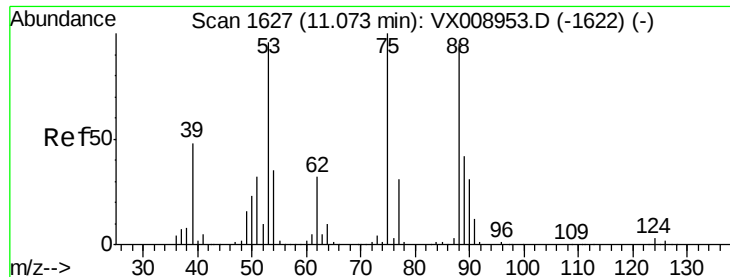
Tgt Ion:105 Resp: 441208

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 51.409 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

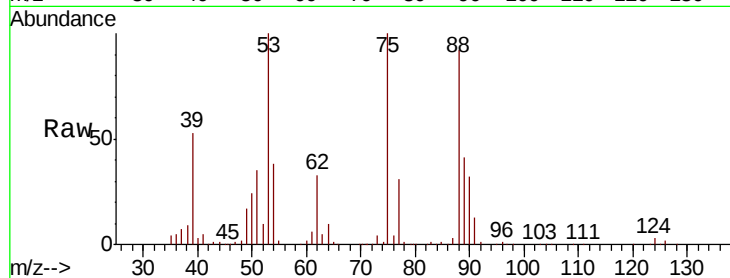
Tot Ion: 75 Resp: 66162

Ion Ratio Lower Upper

75 100

53 102.2 78.2 117.4

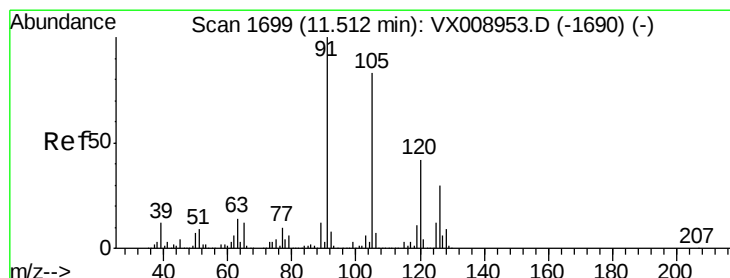
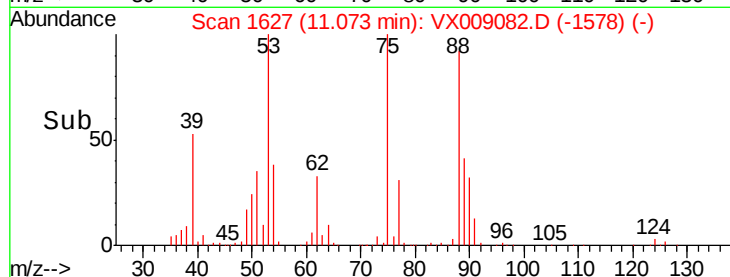
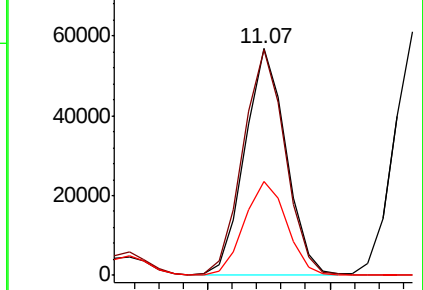
89 43.1 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.537 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX009082.D

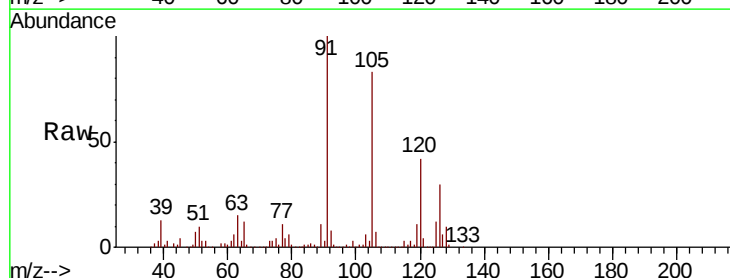
Acq: 19 Apr 2019 19:48

Tgt Ion: 91 Resp: 416354

Ion Ratio Lower Upper

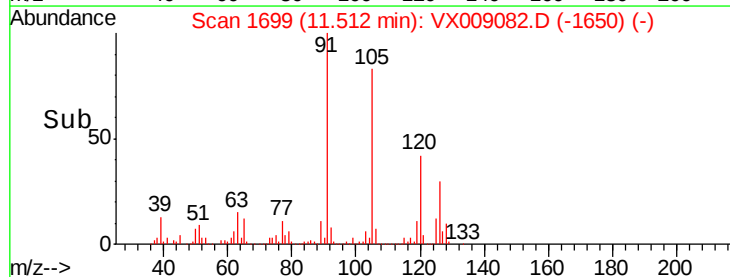
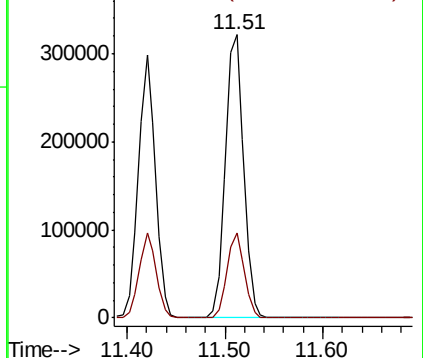
91 100

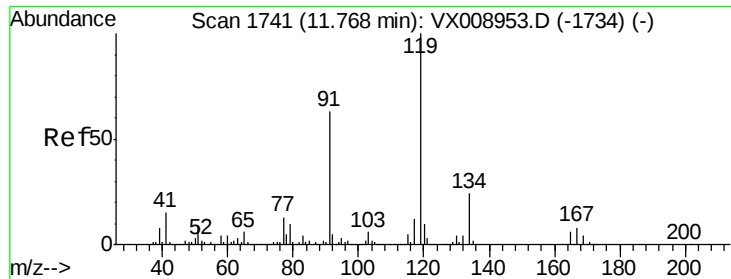
126 28.6 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 52.525 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

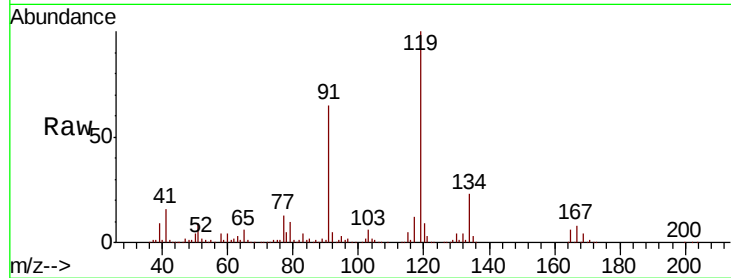
Tot Ion:119 Resp: 434024

Ion Ratio Lower Upper

119 100

91 58.4 29.7 89.1

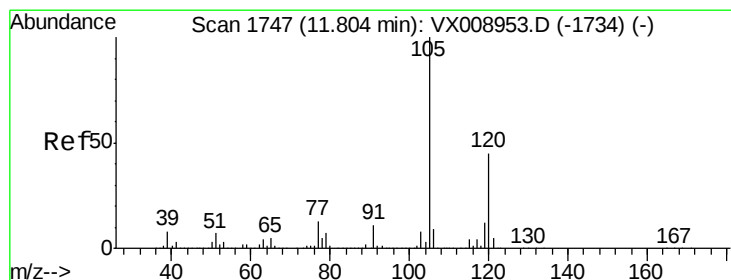
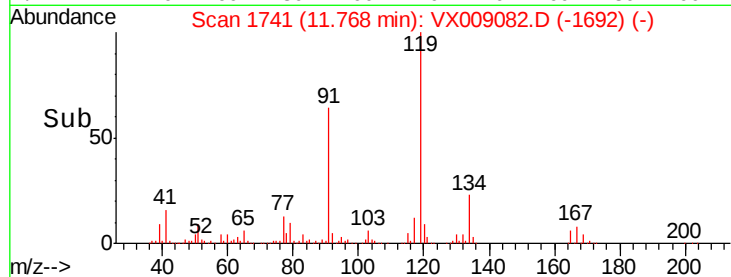
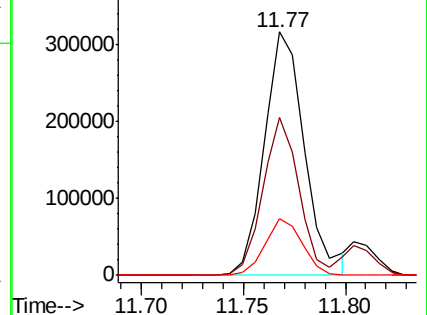
134 21.7 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.741 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009082.D

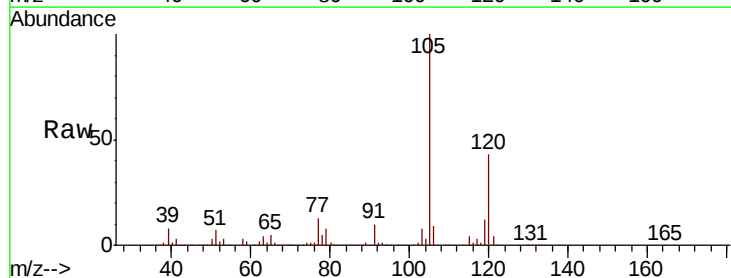
Acq: 19 Apr 2019 19:48

Tgt Ion:105 Resp: 444541

Ion Ratio Lower Upper

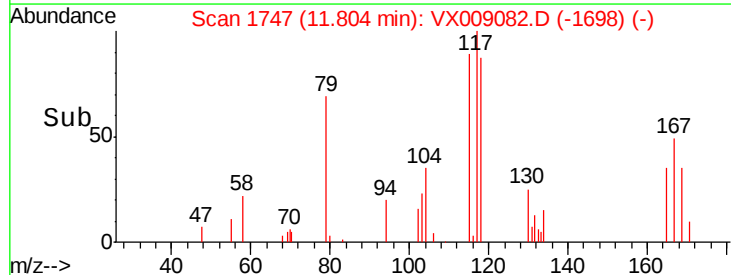
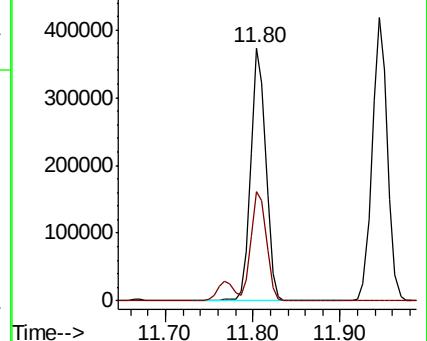
105 100

120 44.1 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.895 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

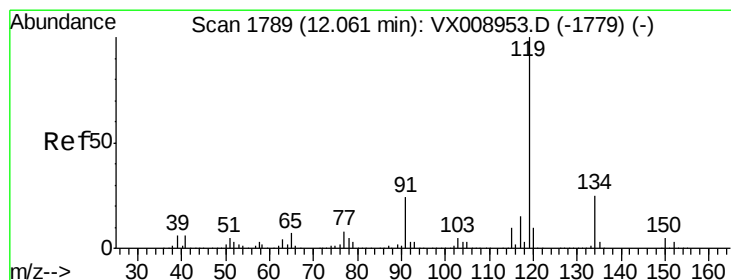
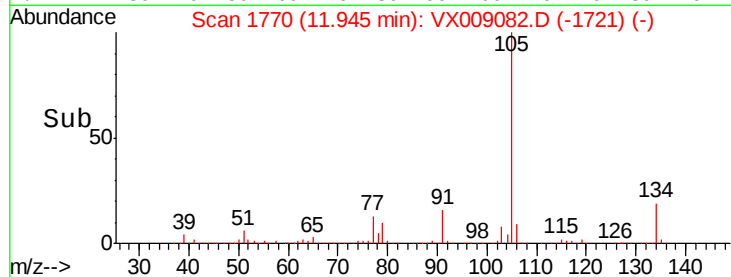
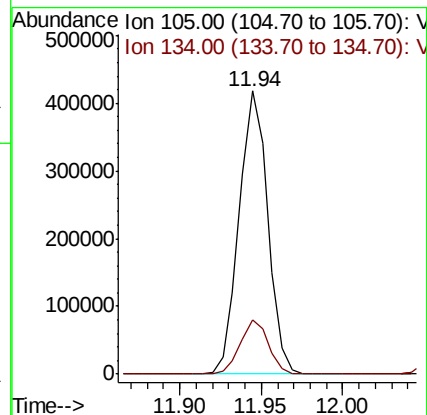
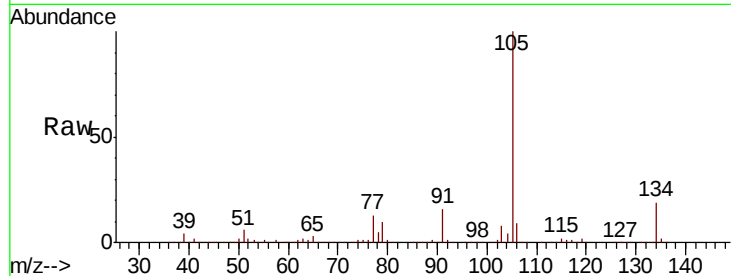
VSTDCCC050EC

Tot Ion:105 Resp: 511439

Ion Ratio Lower Upper

105 100

134 19.0 9.6 28.6



#86

p-Isopropyltoluene

Concen: 50.676 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

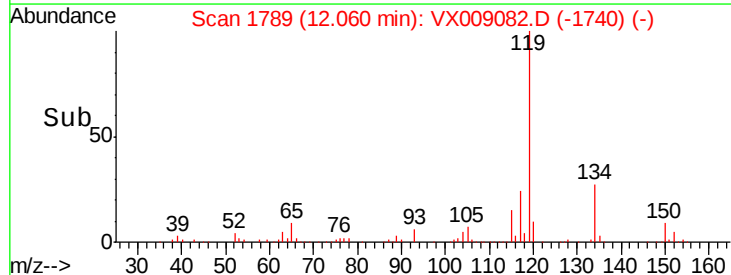
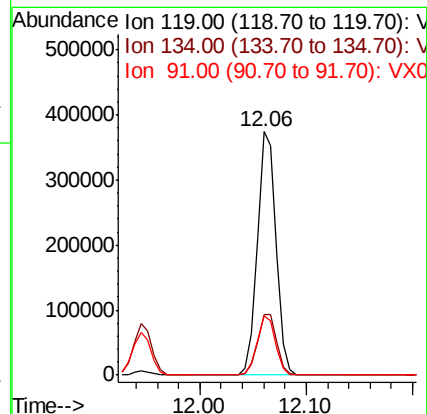
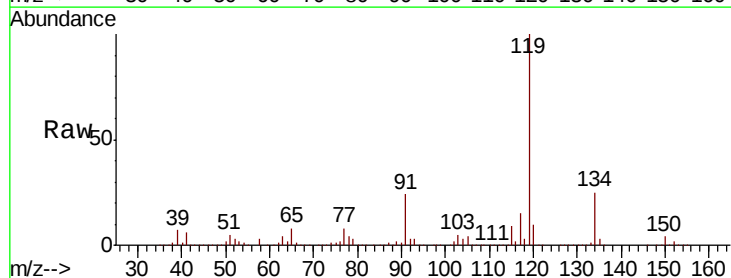
Tgt Ion:119 Resp: 459161

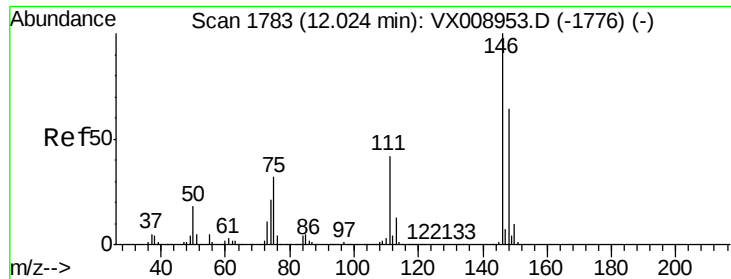
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 24.1 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 49.791 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

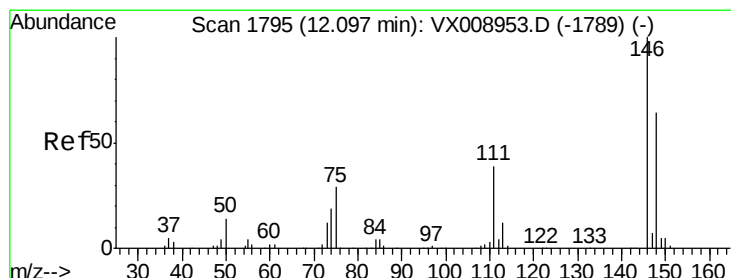
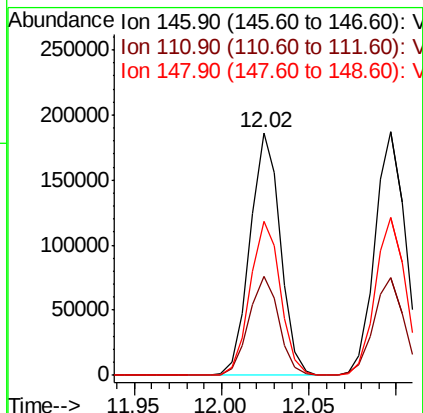
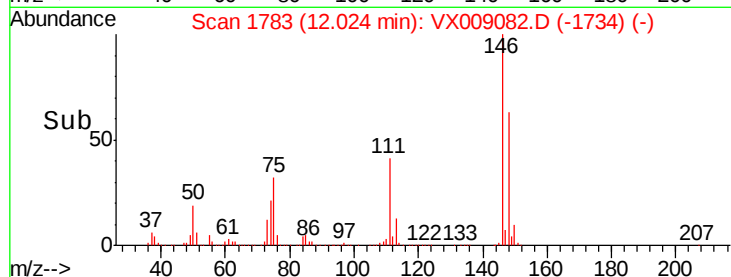
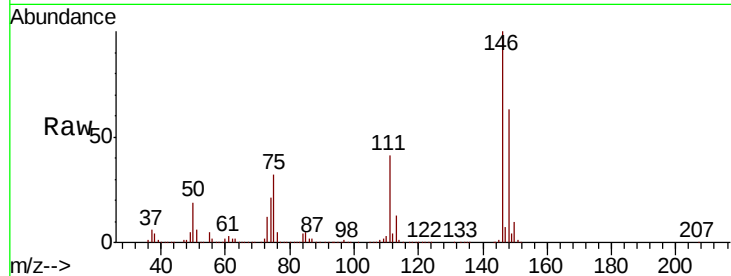
Tot Ion:146 Resp: 225512

Ion Ratio Lower Upper

146 100

111 40.4 20.5 61.6

148 63.7 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 49.016 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

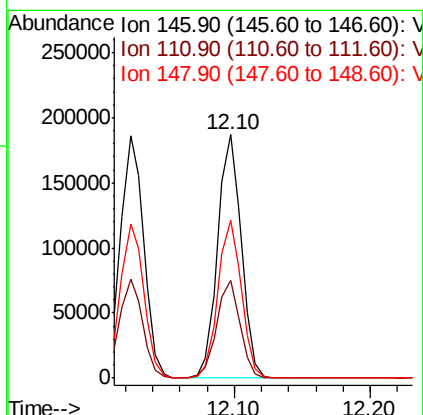
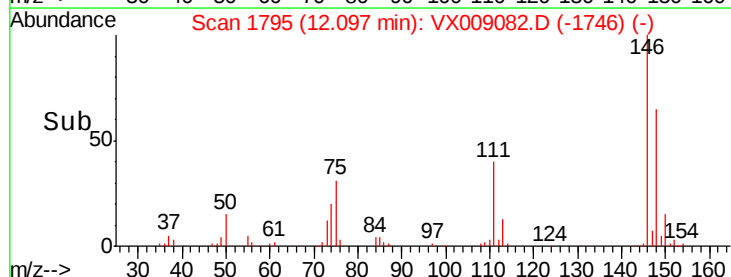
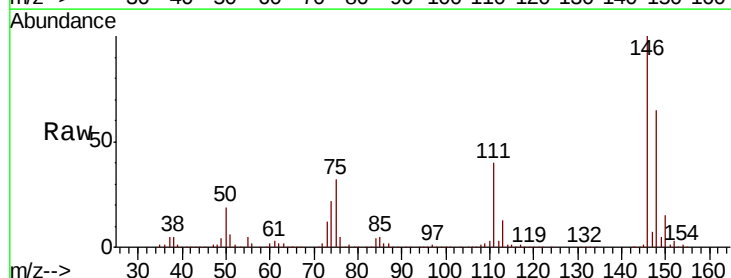
Tgt Ion:146 Resp: 225046

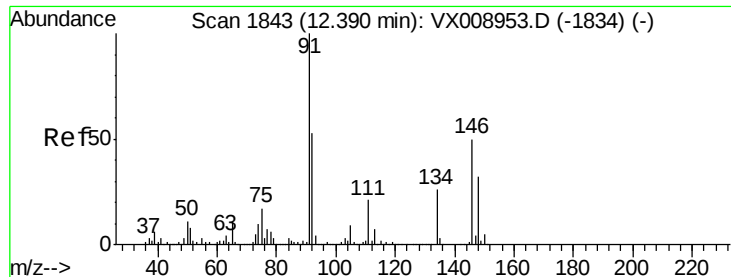
Ion Ratio Lower Upper

146 100

111 39.7 20.0 59.9

148 64.5 32.2 96.6

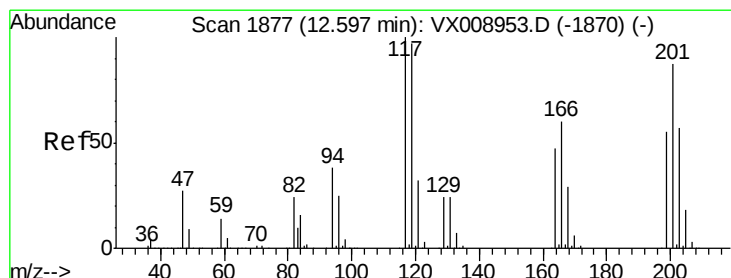
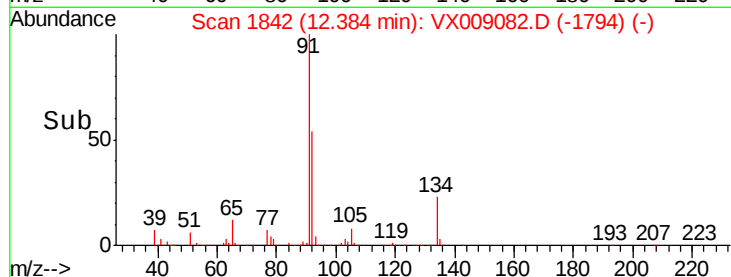
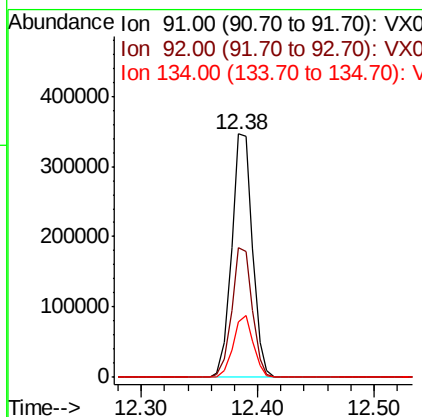
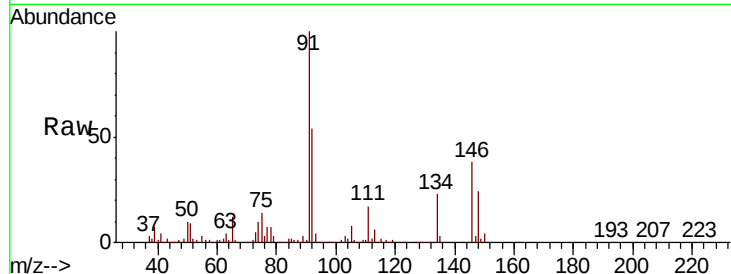




#89
n-Butylbenzene
Concen: 50.915 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

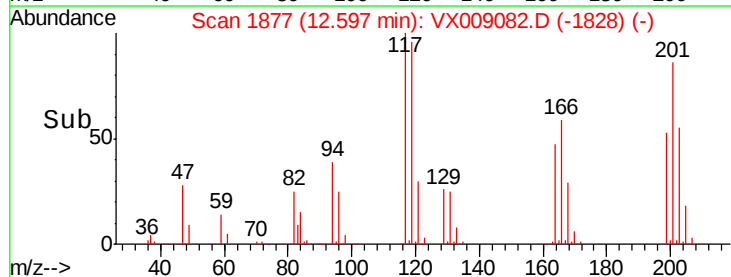
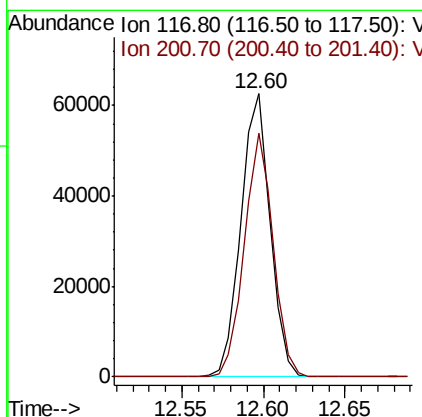
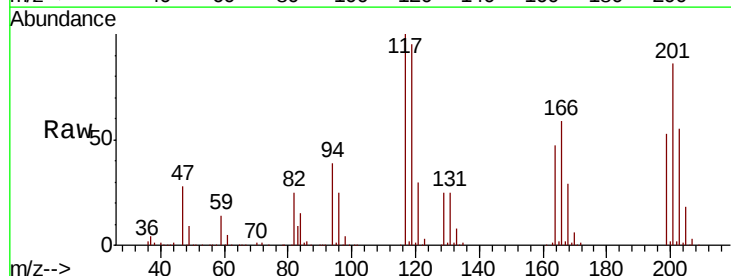
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

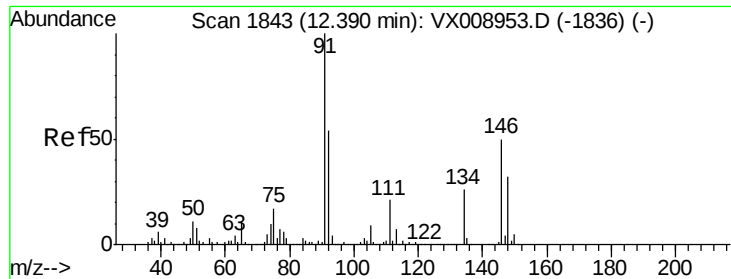
Tot Ion: 91 Resp: 429632
Ion Ratio Lower Upper
91 100
92 52.6 26.6 79.8
134 24.4 12.4 37.2



#90
Hexachloroethane
Concen: 52.418 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009082.D
Acq: 19 Apr 2019 19:48

Tgt Ion: 117 Resp: 78344
Ion Ratio Lower Upper
117 100
201 84.8 43.0 129.0





#91

1,2-Dichlorobenzene

Concen: 50.351 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

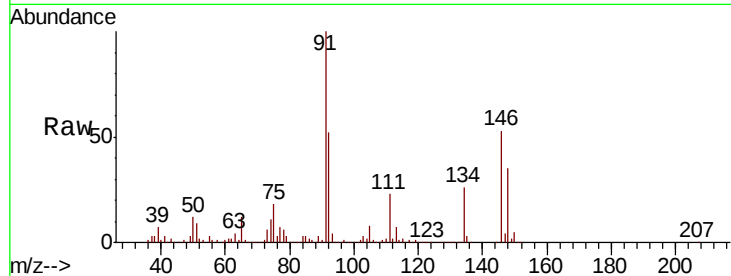
Tot Ion:146 Resp: 225190

Ion Ratio Lower Upper

146 100

111 41.8 20.6 61.9

148 64.3 32.0 96.2

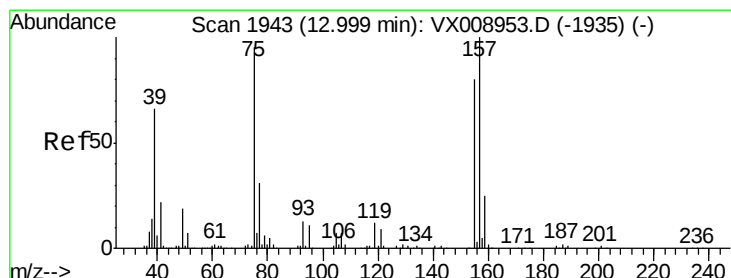
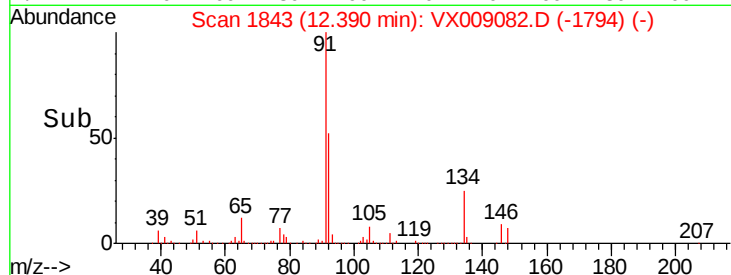
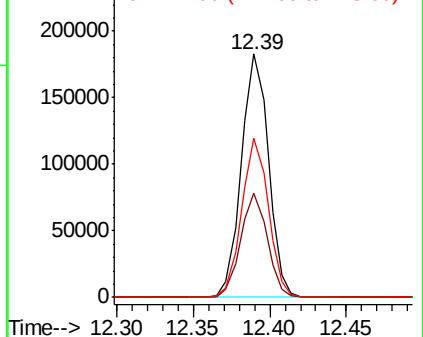


Abundance

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: 53.299 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

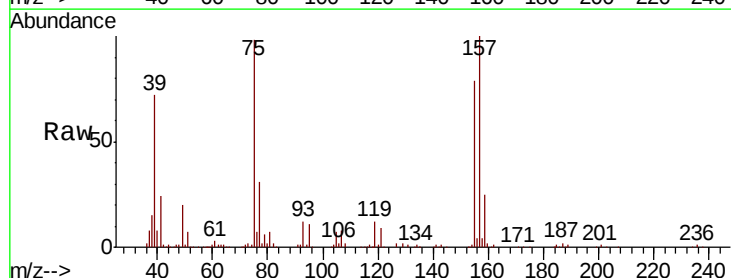
Tgt Ion: 75 Resp: 45477

Ion Ratio Lower Upper

75 100

155 81.3 41.2 123.6

157 105.4 52.5 157.6

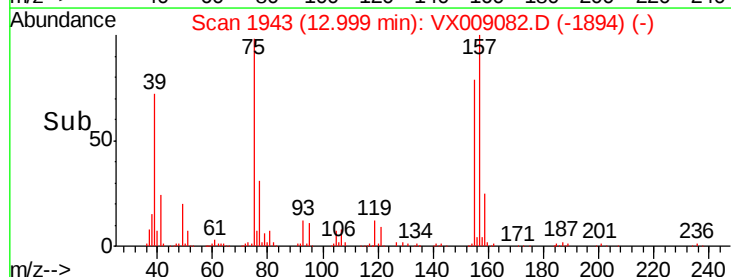
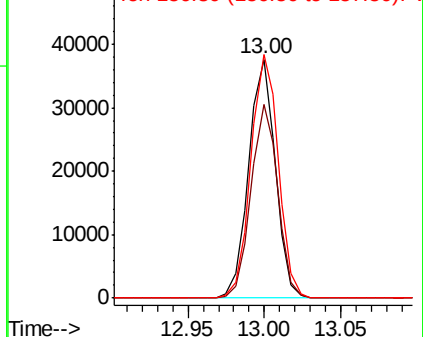


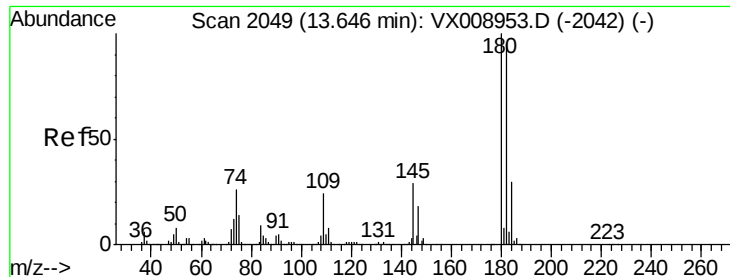
Abundance

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

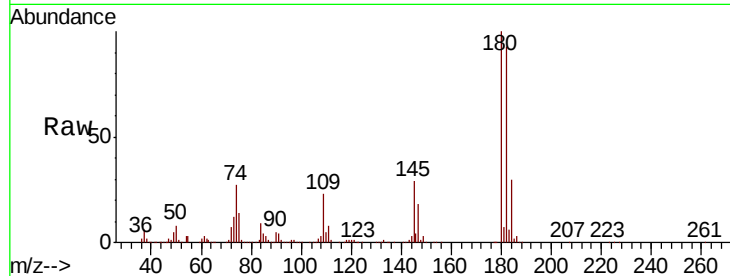




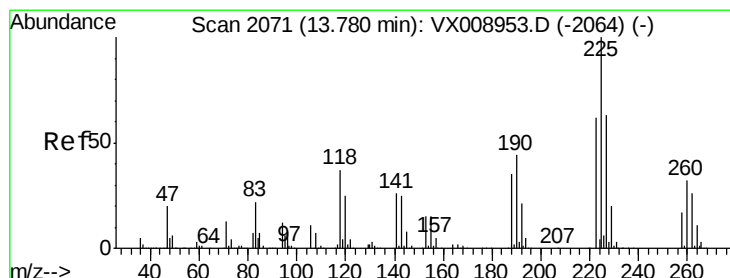
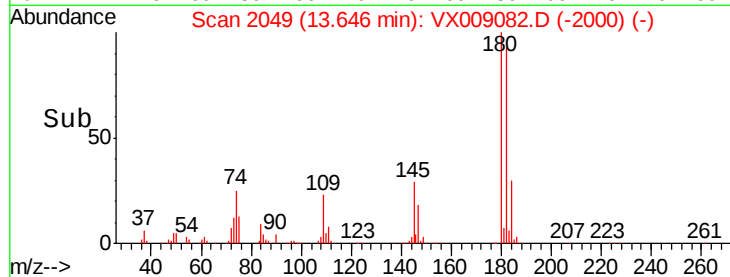
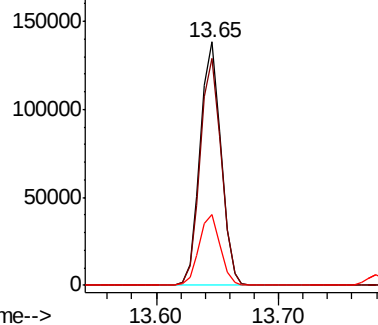
#93
 1,2,4-Trichlorobenzene
 Concen: 50.317 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009082.D
 Acq: 19 Apr 2019 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 162447
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.6 142.9
 145 29.5 14.8 44.4

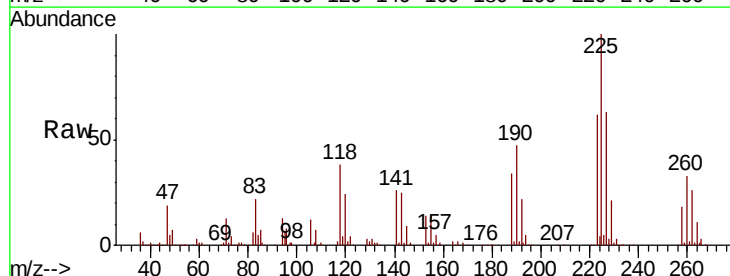


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

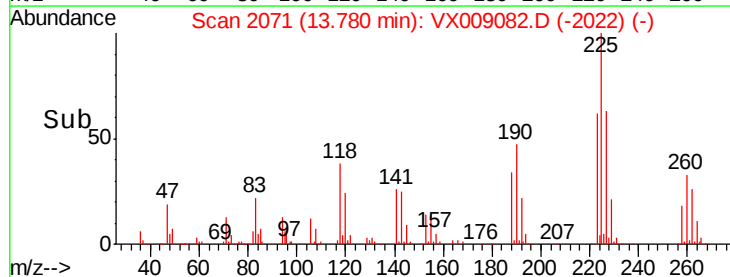
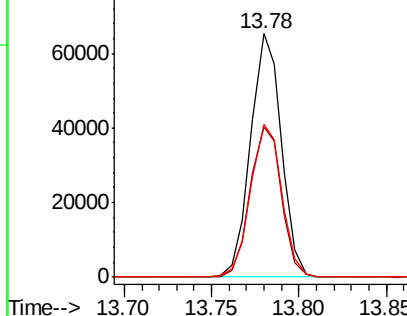


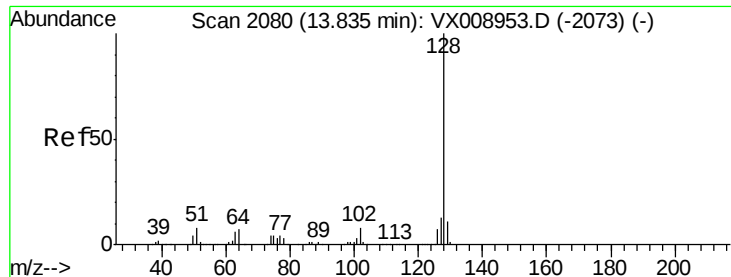
#94
 Hexachlorobutadiene
 Concen: 49.917 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009082.D
 Acq: 19 Apr 2019 19:48

Tgt Ion:225 Resp: 80377
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.1 93.2
 227 63.8 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 52.780 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

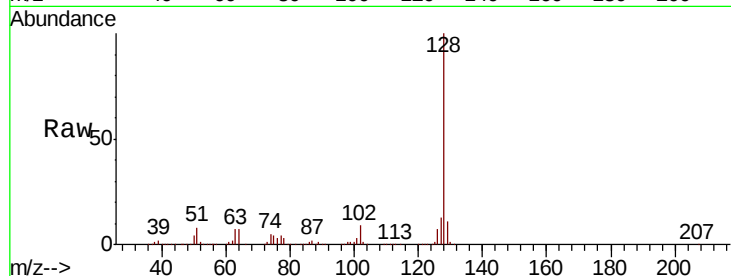
Tot Ion:128 Resp: 545925

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

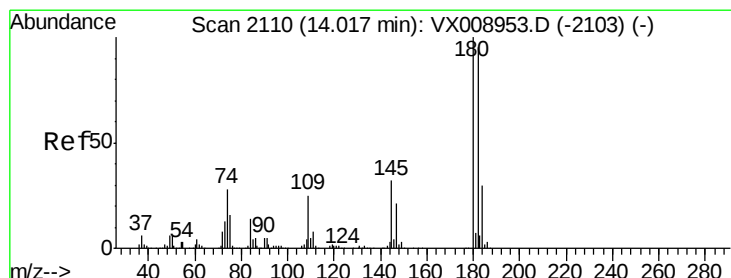
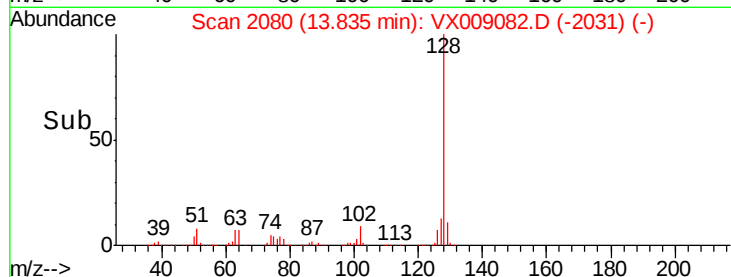
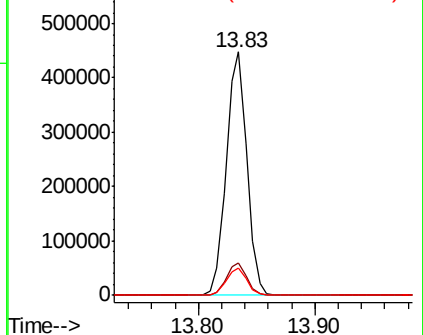
129 11.1 8.6 13.0



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: 51.261 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009082.D

Acq: 19 Apr 2019 19:48

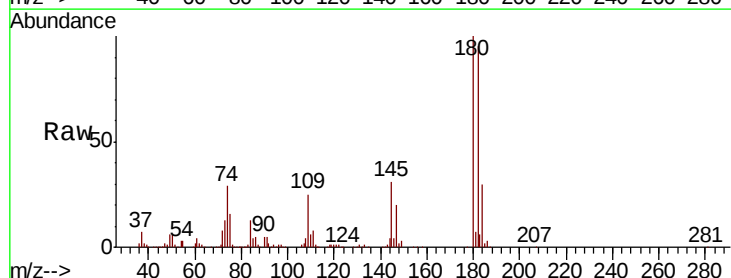
Tgt Ion:180 Resp: 163289

Ion Ratio Lower Upper

180 100

182 95.7 47.8 143.4

145 31.4 15.8 47.3



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

