

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082918\
 Data File : VX004315.D
 Acq On : 30 Aug 2018 02:04
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 30 02:22:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	301379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	444871	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	411886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	249997	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	195305	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
35) Dibromofluoromethane	5.50	113	170818	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
50) Toluene-d8	8.71	98	636107	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.14	95	240205	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	179094	51.30	ug/l	97
3) Chloromethane	1.32	50	194950	50.53	ug/l	99
4) Vinyl Chloride	1.40	62	206815	52.37	ug/l	99
5) Bromomethane	1.63	94	98959	50.88	ug/l	99
6) Chloroethane	1.71	64	139860	50.25	ug/l	98
7) Trichlorofluoromethane	1.92	101	279955	51.74	ug/l	96
8) Diethyl Ether	2.18	74	126310	54.51	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	170547	50.32	ug/l	100
10) Methyl Iodide	2.51	142	201206	52.39	ug/l	98
11) Tert butyl alcohol	3.08	59	243228	290.48	ug/l	100
12) 1,1-Dichloroethene	2.37	96	164005	51.37	ug/l	98
13) Acrolein	2.29	56	54501	269.98	ug/l	95
14) Allyl chloride	2.72	41	303063	51.66	ug/l	97
15) Acrylonitrile	3.15	53	573106	276.38	ug/l	99
16) Acetone	2.45	43	473978	297.11	ug/l	99
17) Carbon Disulfide	2.56	76	428747	48.38	ug/l	99
18) Methyl Acetate	2.78	43	388788	66.70	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	576668	54.81	ug/l	97
20) Methylene Chloride	2.85	84	194403	51.41	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	176279	49.88	ug/l	97
22) Diisopropyl ether	3.87	45	587312	53.62	ug/l	99
23) Vinyl Acetate	3.82	43	2298613	258.94	ug/l	99
24) 1,1-Dichloroethane	3.69	63	344795	54.02	ug/l	100
25) 2-Butanone	4.71	43	759535	289.01	ug/l	100
26) 2,2-Dichloropropane	4.58	77	146696	29.30	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	208999	52.14	ug/l	95
28) Bromochloromethane	5.02	49	144448	51.12	ug/l	98
29) Tetrahydrofuran	5.17	42	484495	287.08	ug/l	100
30) Chloroform	5.21	83	342152	53.46	ug/l	97
31) Cyclohexane	5.57	56	285302	51.80	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	286261	53.64	ug/l	99
36) 1,1-Dichloropropene	5.79	75	253084	50.60	ug/l	100
37) Ethyl Acetate	4.87	43	269329	54.76	ug/l	100
38) Carbon Tetrachloride	5.78	117	247751	52.66	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	279777	49.00	ug/l	98
40) Benzene	6.14	78	785561	52.57	ug/l	100
41) Methacrylonitrile	5.06	41	158220	55.49	ug/l	99
42) 1,2-Dichloroethane	6.20	62	265957	52.17	ug/l	100
43) Isopropyl Acetate	6.46	43	423868	56.08	ug/l	99
44) Trichloroethene	7.21	130	208586	50.42	ug/l	97
45) 1,2-Dichloropropane	7.52	63	203983	54.54	ug/l	99
46) Dibromomethane	7.66	93	130742	52.50	ug/l	99
47) Bromodichloromethane	7.90	83	254506	54.92	ug/l	99
48) Methyl methacrylate	7.78	41	230171	56.91	ug/l	99
49) 1,4-Dioxane	7.76	88	106357	1158.30	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1491922	271.67	ug/l	100
52) Toluene	8.79	92	491048	52.49	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	259500	50.70	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	288611	51.77	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	206167	54.59	ug/l	98
56) Ethyl methacrylate	9.18	69	303240	58.99	ug/l	98
57) 1,3-Dichloropropane	9.37	76	344038	54.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	721174	273.79	ug/l	99
59) 2-Hexanone	9.50	43	1148366	274.10	ug/l	100
60) Dibromochloromethane	9.59	129	206610	56.16	ug/l	99
61) 1,2-Dibromoethane	9.68	107	211603	54.15	ug/l	100
64) Tetrachloroethene	9.34	164	212948	52.34	ug/l	99
65) Chlorobenzene	10.14	112	540475	52.28	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	194187	54.46	ug/l	100
67) Ethyl Benzene	10.26	91	875418	52.15	ug/l	97
68) m/p-Xylenes	10.36	106	706013	107.55	ug/l	99
69) o-Xylene	10.70	106	349974	56.36	ug/l	99
70) Styrene	10.71	104	596768	59.36	ug/l	99
71) Bromoform	10.86	173	161936	56.34	ug/l	99
73) Isopropylbenzene	11.02	105	946569	57.65	ug/l	100
74) N-amyl acetate	10.90	43	376249	59.51	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	319952	55.68	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	346051	68.06	ug/l	87
77) Bromobenzene	11.26	156	254446	55.24	ug/l	99
78) n-propylbenzene	11.36	91	1084683	57.44	ug/l	100
79) 2-Chlorotoluene	11.42	91	642258	55.25	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	791627	58.22	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	79142	50.50	ug/l	97
82) 4-Chlorotoluene	11.51	91	746051	54.54	ug/l	99
83) tert-Butylbenzene	11.77	119	780331	57.04	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	803736	57.58	ug/l	98
85) sec-Butylbenzene	11.95	105	925113	56.96	ug/l	100
86) p-Isopropyltoluene	12.07	119	820044	56.34	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	467108	53.86	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	461689	50.49	ug/l	98
89) n-Butylbenzene	12.39	91	662533	55.97	ug/l	96
90) Hexachloroethane	12.60	117	117389	57.70	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	436463	55.07	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57498	56.81	ug/l	94

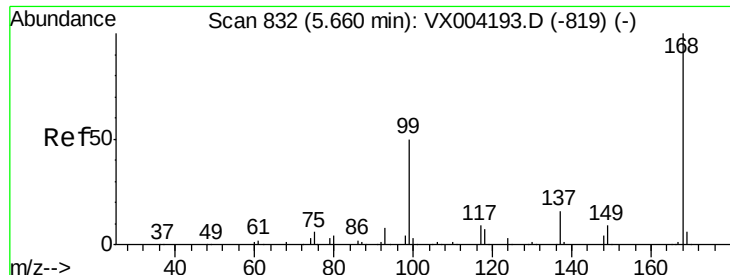
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QLast Update : Thu Aug 23 05:39:44 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	328606	56.98	ug/l	93
94) Hexachlorobutadiene	13.79	225	146856	54.75	ug/l	97
95) Naphthalene	13.83	128	1056004	64.74	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	344955	56.51	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

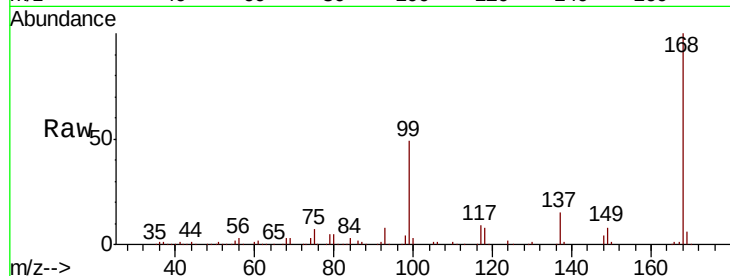
VSTDCCC050EC

Tot Ion:168 Resp: 301379

Ion Ratio Lower Upper

168 100

99 49.2 39.9 59.9

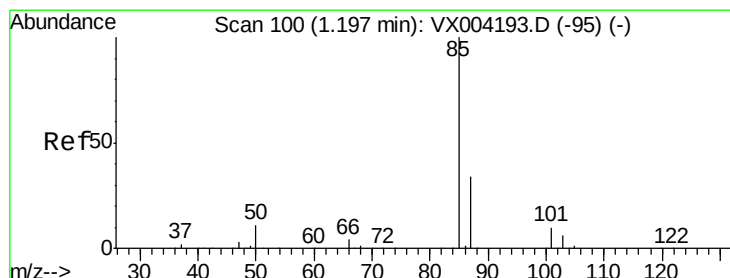
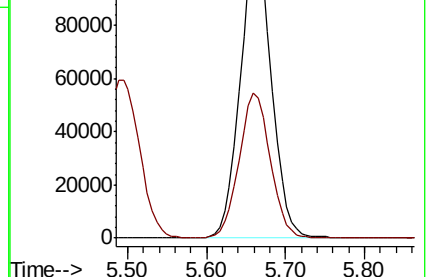
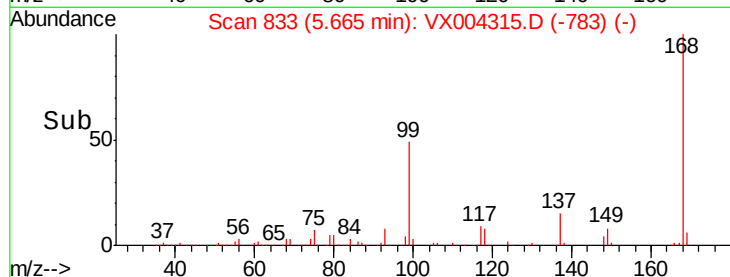


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 51.30 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004315.D

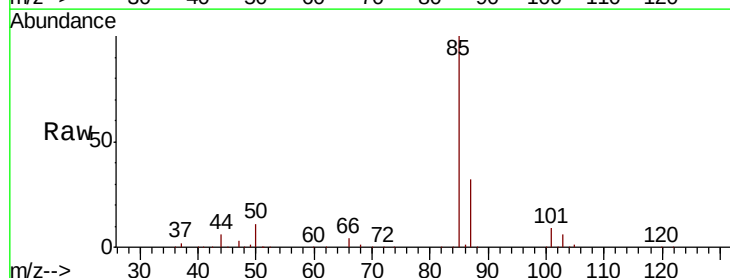
Acq: 30 Aug 2018 02:04

Tgt Ion: 85 Resp: 179094

Ion Ratio Lower Upper

85 100

87 32.4 17.0 50.9

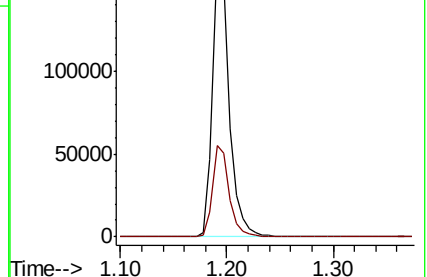
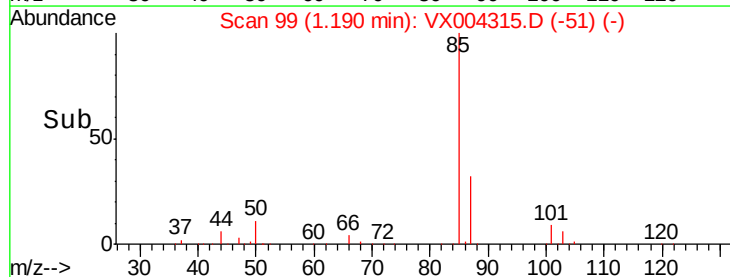


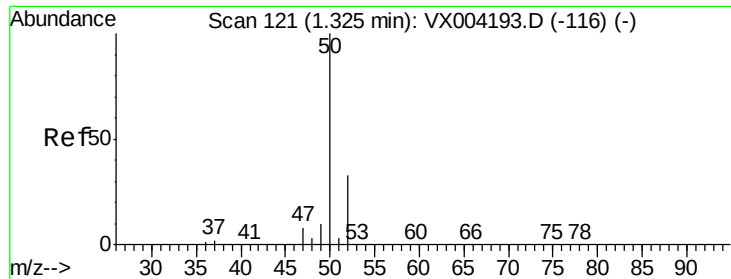
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

Time-->





#3

Chloromethane

Concen: 50.53 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

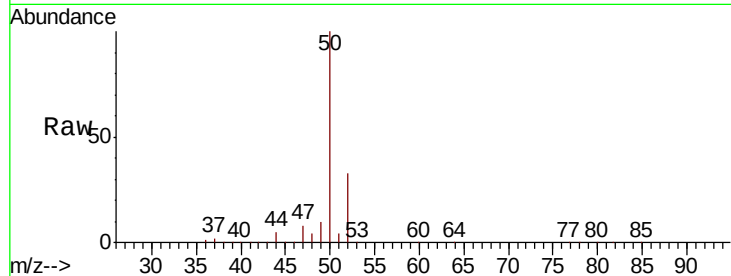
VSTDCCC050EC

Tot Ion: 50 Resp: 194950

Ion Ratio Lower Upper

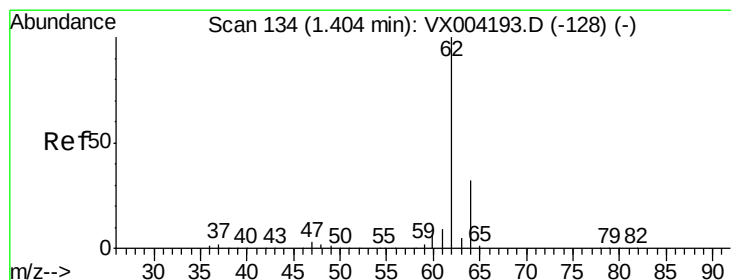
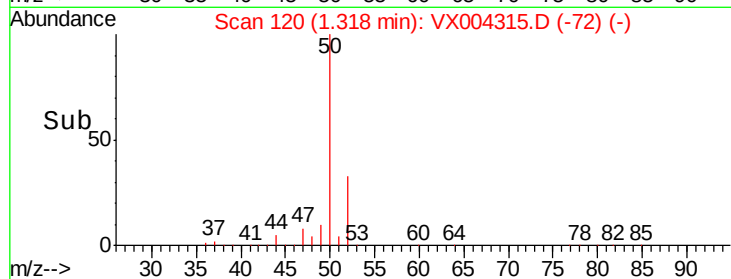
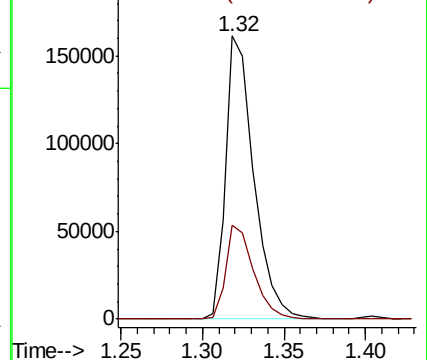
50 100

52 33.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 52.37 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004315.D

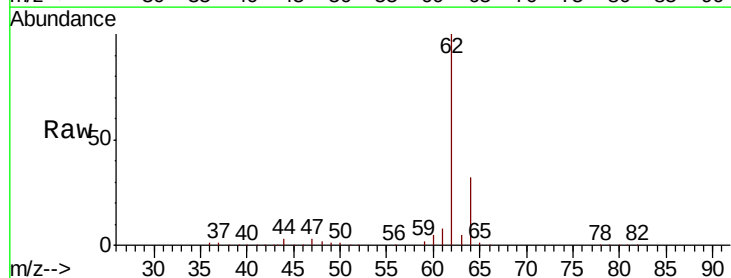
Acq: 30 Aug 2018 02:04

Tgt Ion: 62 Resp: 206815

Ion Ratio Lower Upper

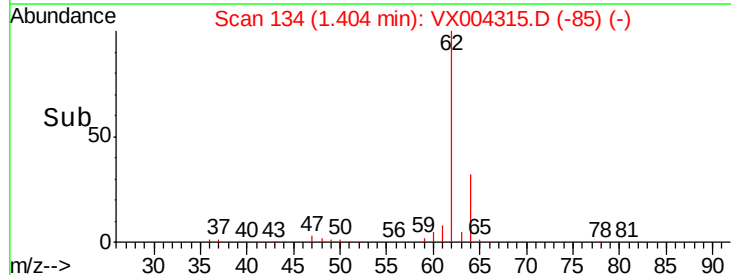
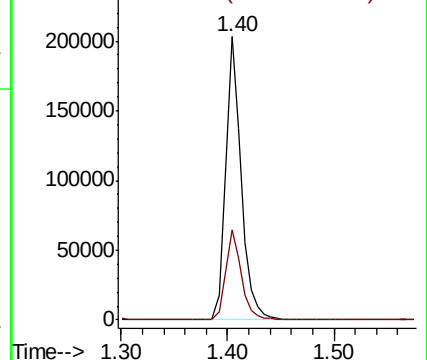
62 100

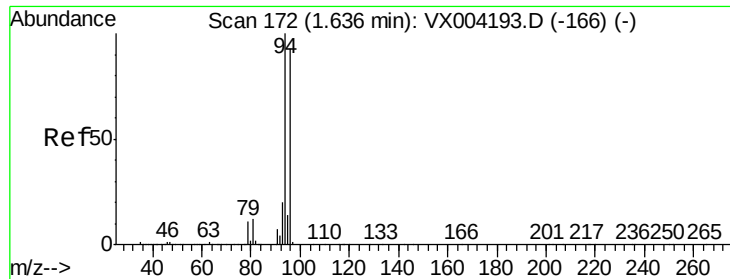
64 31.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 50.88 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

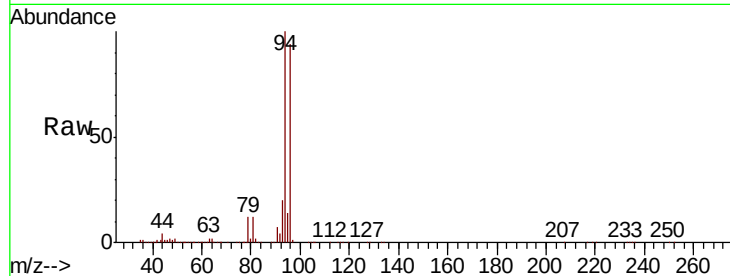
VSTDCCC050EC

Tot Ion: 94 Resp: 98959

Ion Ratio Lower Upper

94 100

96 94.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

100000

80000

60000

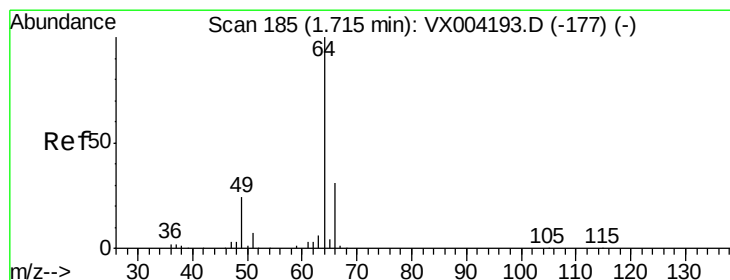
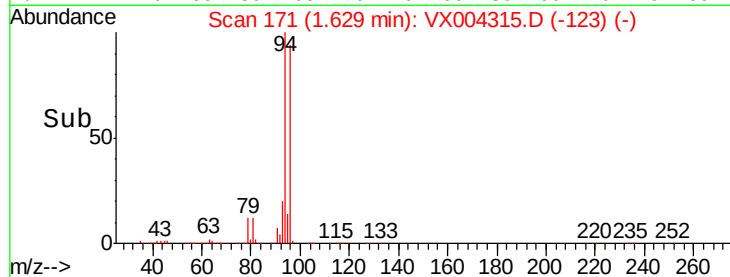
40000

20000

0

Time-->

1.50 1.60 1.70



#6

Chloroethane

Concen: 50.25 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX004315.D

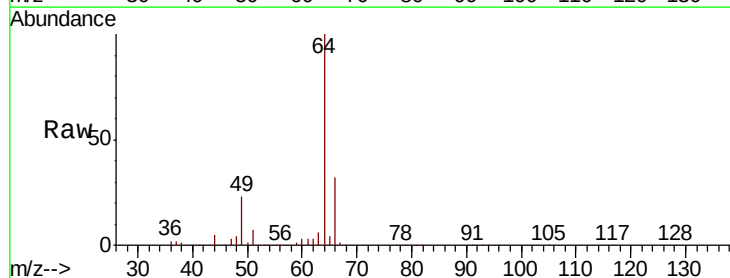
Acq: 30 Aug 2018 02:04

Tgt Ion: 64 Resp: 139860

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

100000

80000

60000

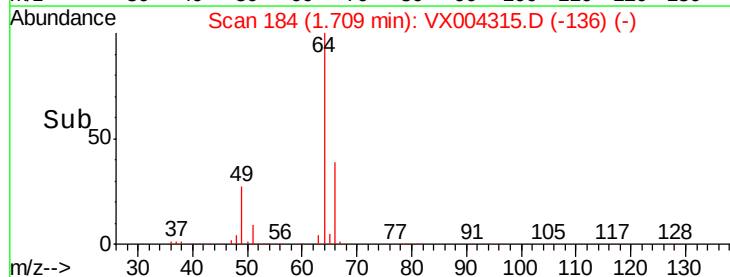
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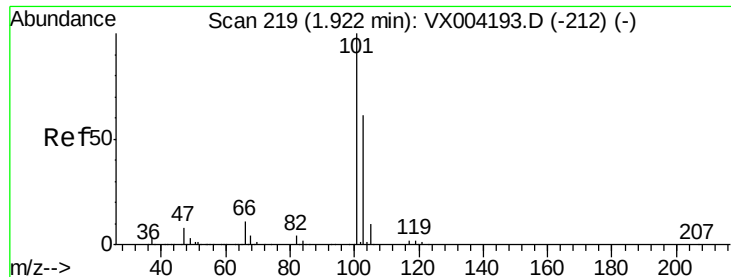
20000

0

Time-->

1.60 1.70 1.80





#7

Trichlorofluoromethane

Concen: 51.74 ug/l

RT: 1.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

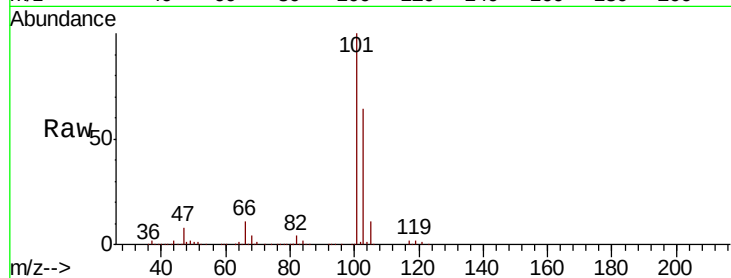
VSTDCCC050EC

Tot Ion:101 Resp: 279955

Ion Ratio Lower Upper

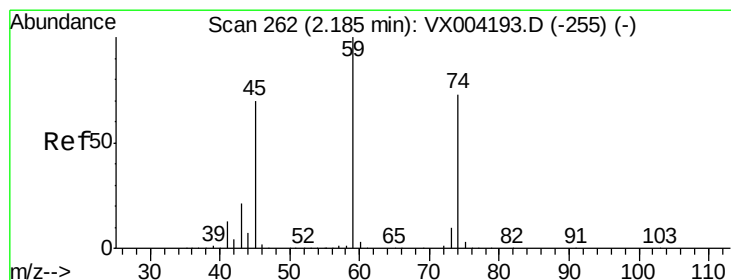
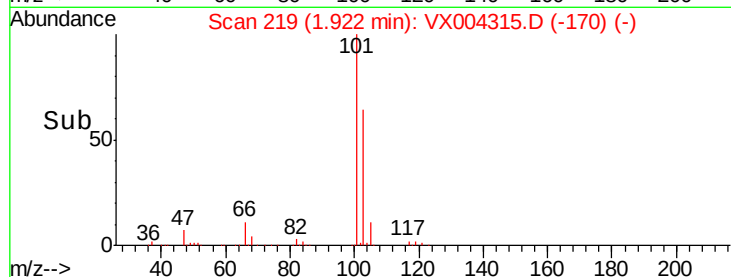
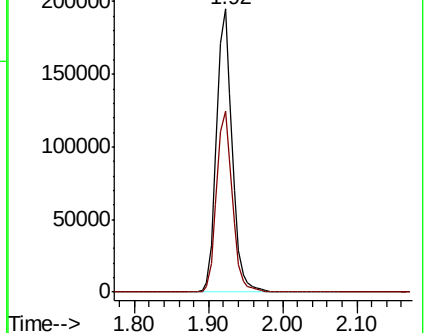
101 100

103 63.9 48.9 73.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 54.51 ug/l

RT: 2.18 min Scan# 262

Delta R.T. -0.00 min

Lab File: VX004315.D

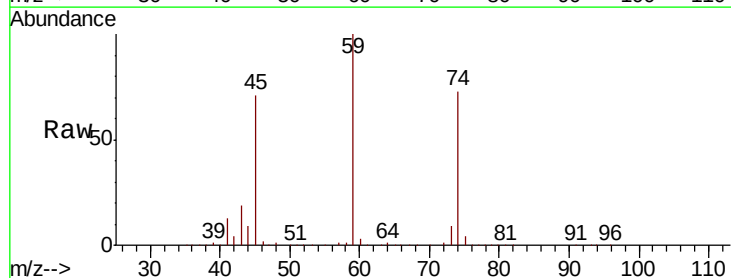
Acq: 30 Aug 2018 02:04

Tgt Ion: 74 Resp: 126310

Ion Ratio Lower Upper

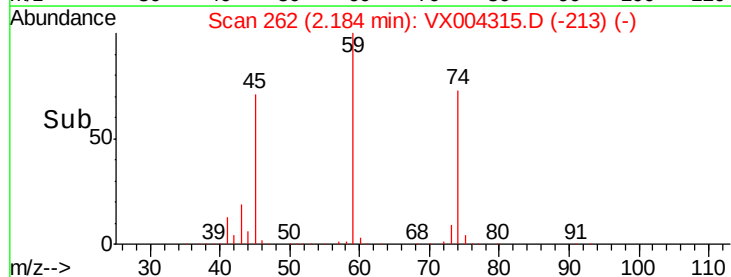
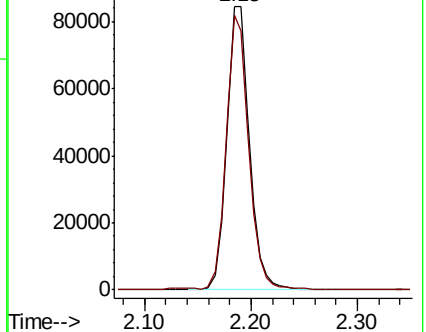
74 100

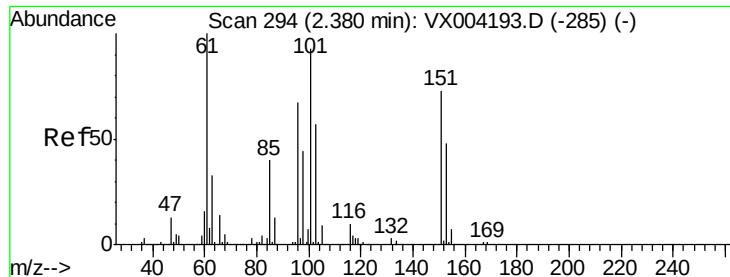
45 94.9 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.32 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

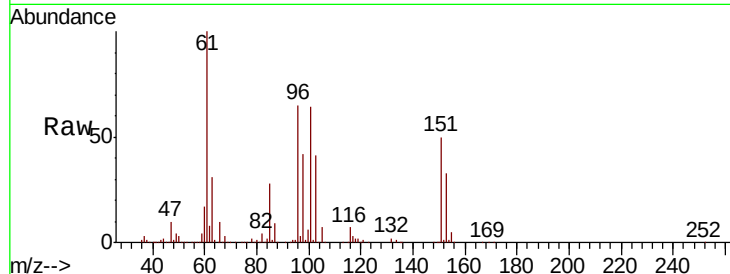
Tot Ion:101 Resp: 170547

Ion Ratio Lower Upper

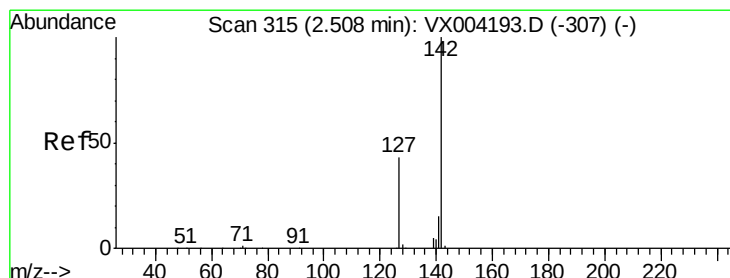
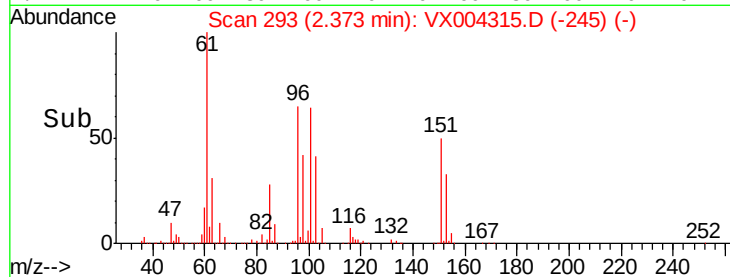
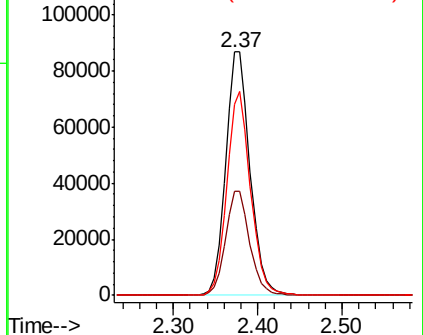
101 100

85 42.5 34.2 51.4

151 81.2 65.0 97.6



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: 52.39 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

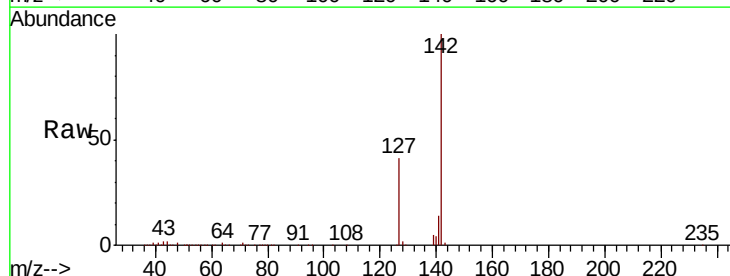
Tgt Ion:142 Resp: 201206

Ion Ratio Lower Upper

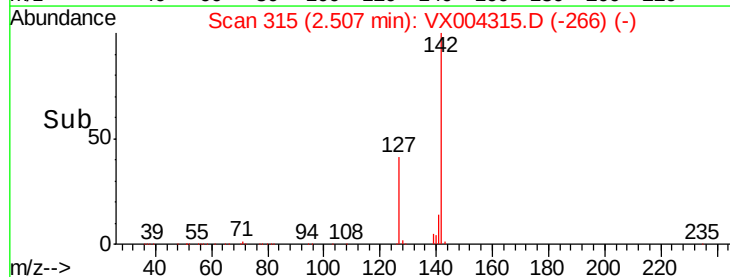
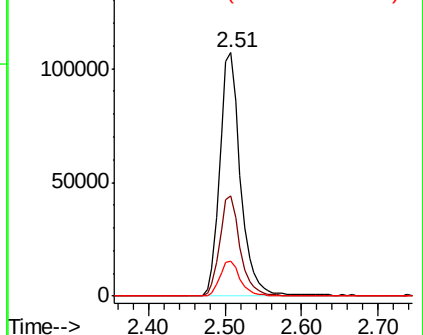
142 100

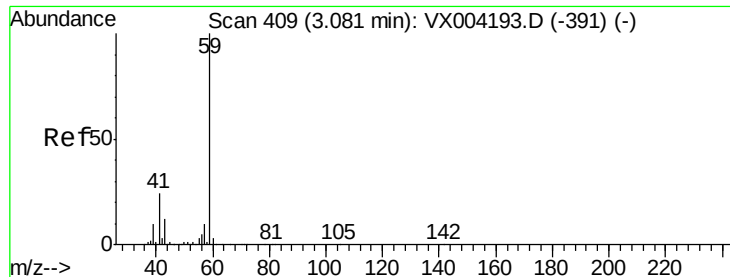
127 40.6 33.8 50.6

141 14.3 11.4 17.0



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

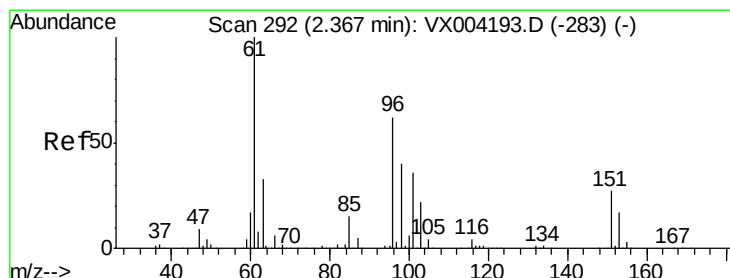
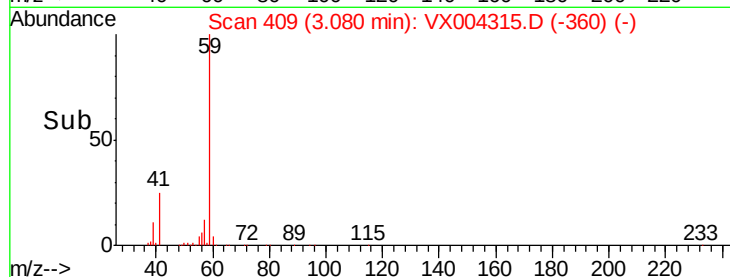
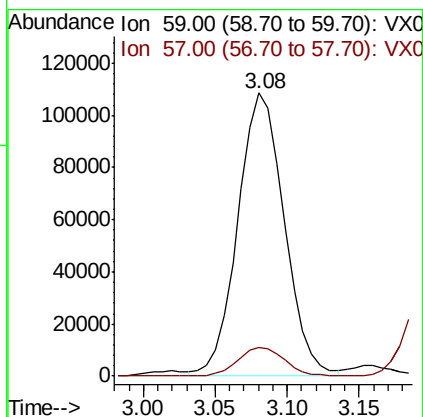
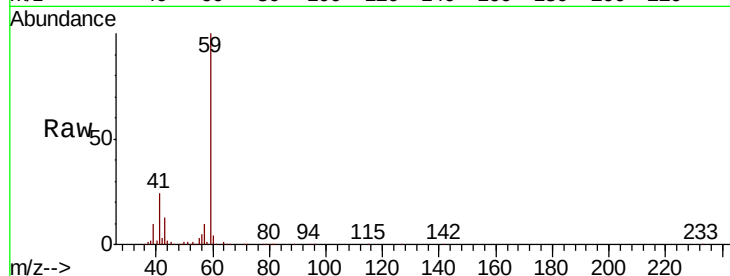




#11
Tert butyl alcohol
Concen: 290.48 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

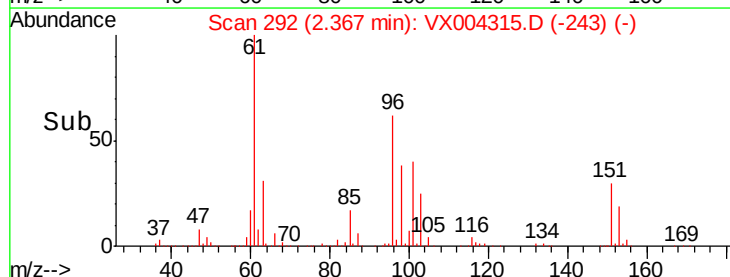
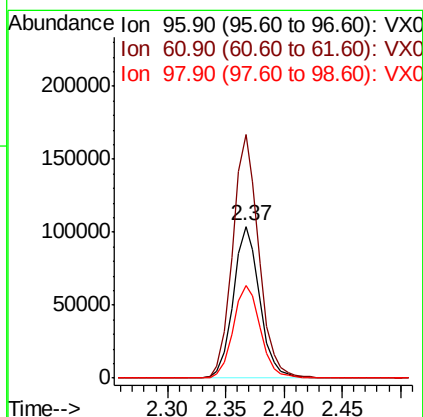
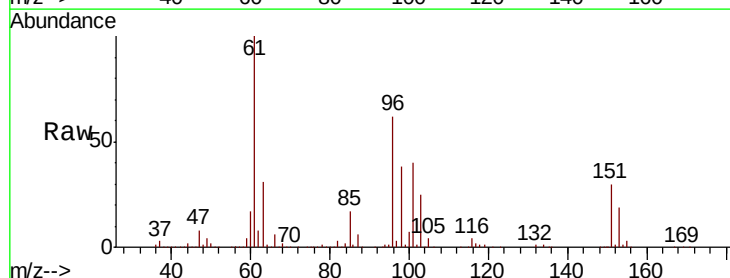
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

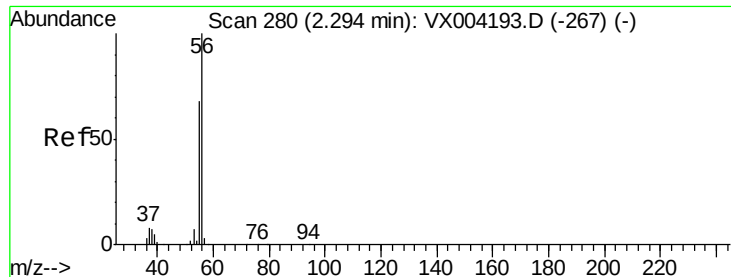
Tot Ion: 59 Resp: 243228
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4



#12
1,1-Dichloroethene
Concen: 51.37 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

Tgt Ion: 96 Resp: 164005
Ion Ratio Lower Upper
96 100
61 160.1 128.8 193.2
98 61.1 52.2 78.2





#13

Acrolein

Concen: 269.98 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

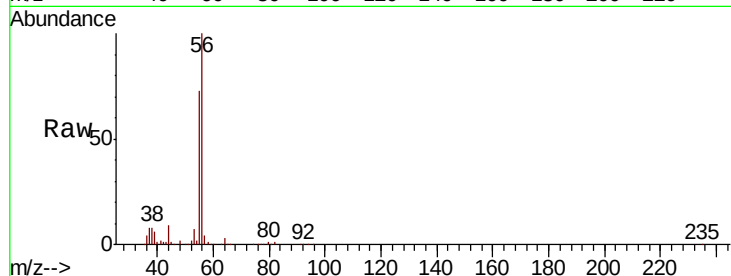
VSTDCCC050EC

Tot Ion: 56 Resp: 54501

Ion Ratio Lower Upper

56 100

55 72.2 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

40000

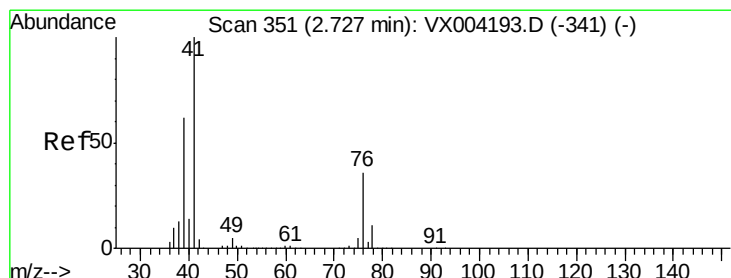
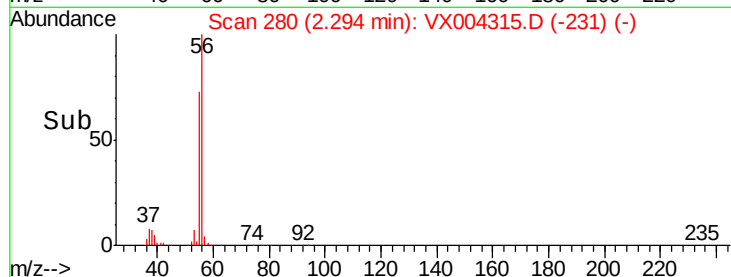
30000

20000

10000

0

Time--> 2.20 2.25 2.30 2.35



#14

Allyl chloride

Concen: 51.66 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

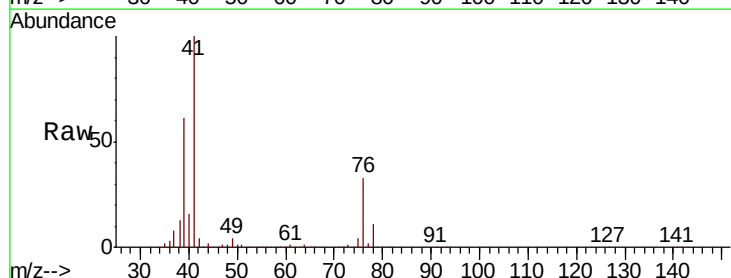
Tgt Ion: 41 Resp: 303063

Ion Ratio Lower Upper

41 100

39 58.2 48.9 73.3

76 32.3 26.7 40.1



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

2.72

200000

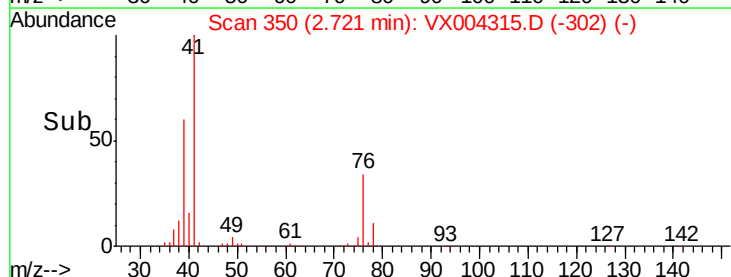
150000

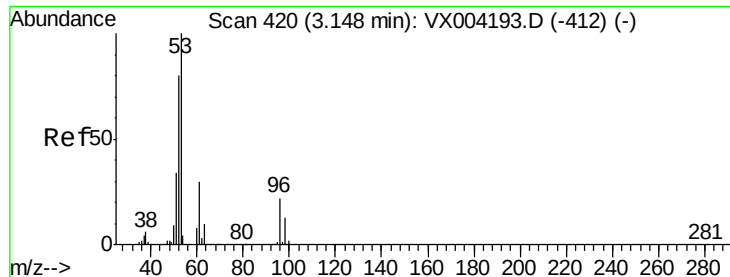
100000

50000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 276.38 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

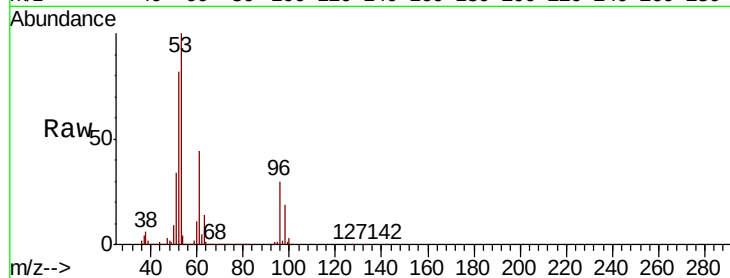
Tot Ion: 53 Resp: 573106

Ion Ratio Lower Upper

53 100

52 82.1 65.2 97.8

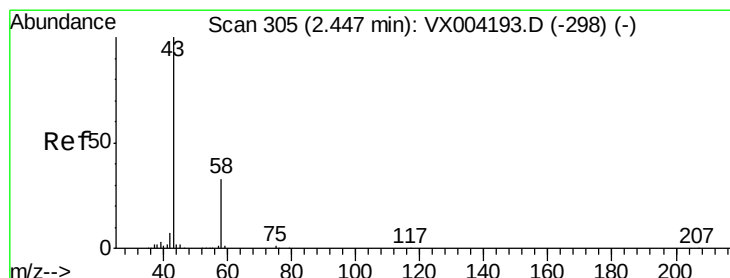
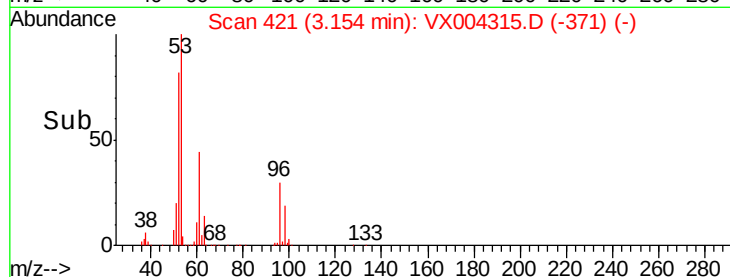
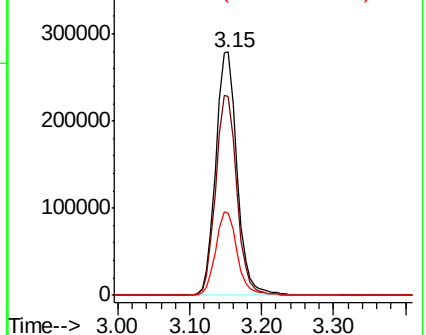
51 34.6 28.2 42.2



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: 297.11 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004315.D

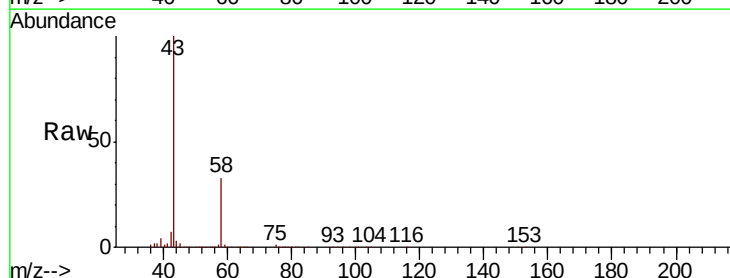
Acq: 30 Aug 2018 02:04

Tgt Ion: 43 Resp: 473978

Ion Ratio Lower Upper

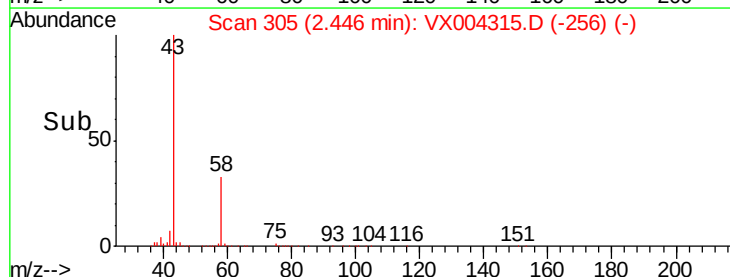
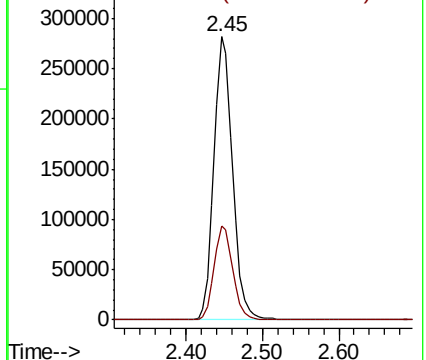
43 100

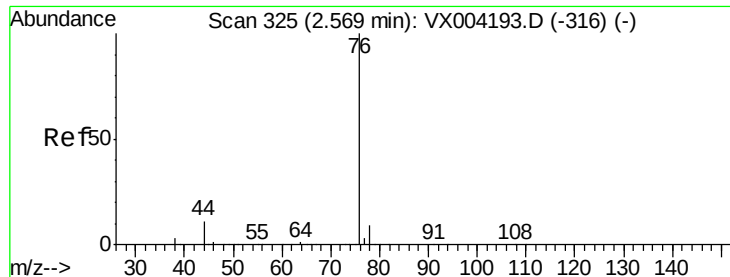
58 33.2 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

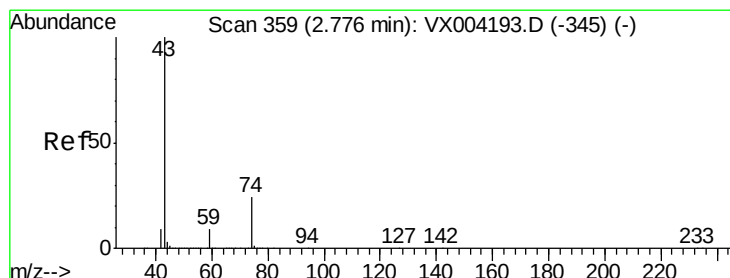
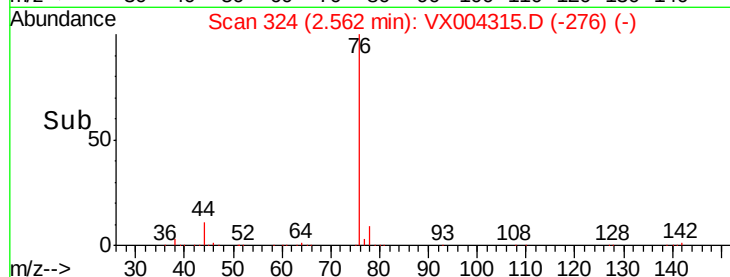
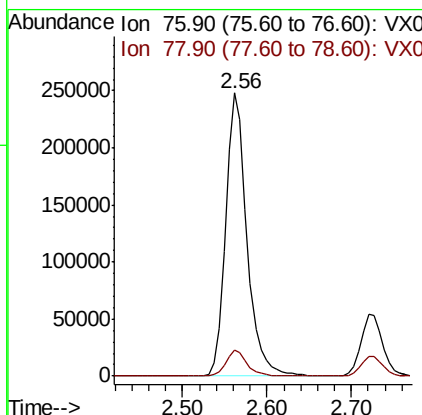
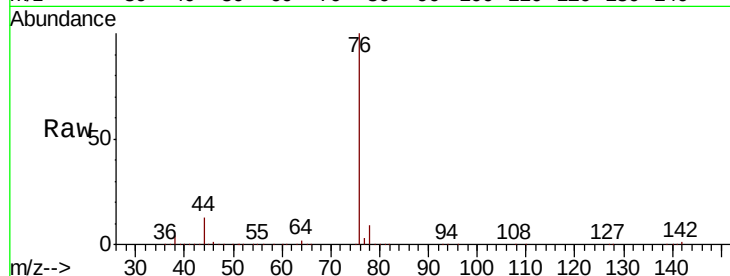




#17
Carbon Disulfide
Concen: 48.38 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

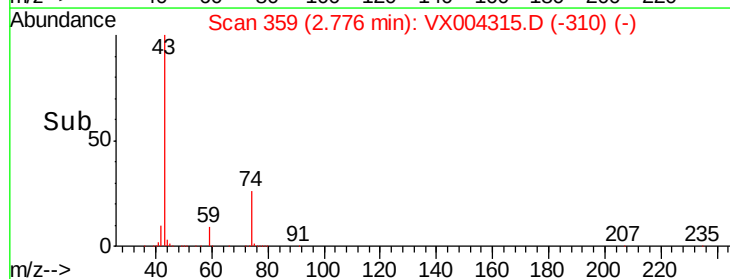
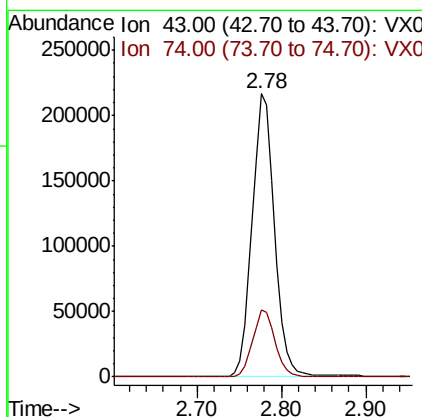
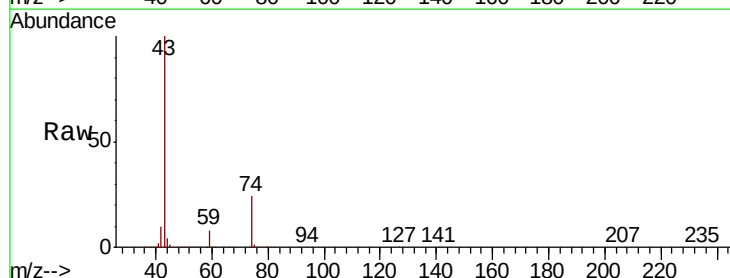
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

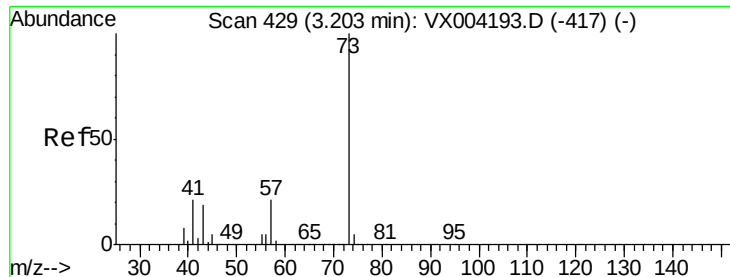
Tot Ion: 76 Resp: 428747
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 66.70 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

Tgt Ion: 43 Resp: 388788
Ion Ratio Lower Upper
43 100
74 23.5 19.4 29.2



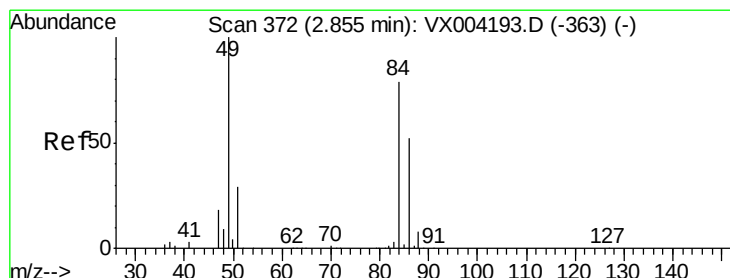
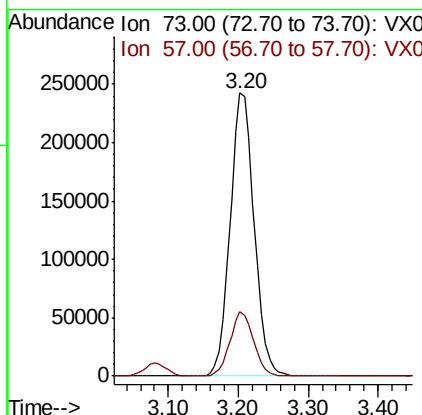
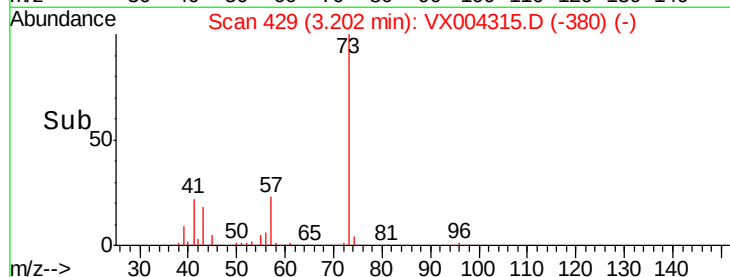
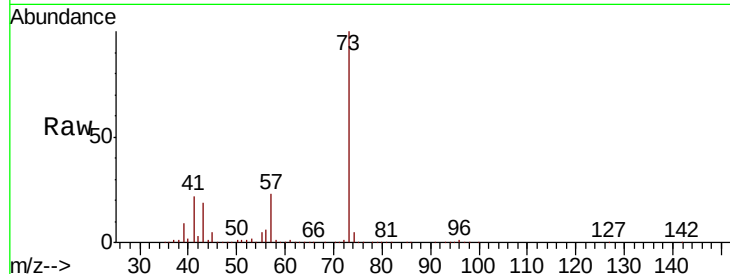


#19

Methyl tert-butyl Ether
 Concen: 54.81 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

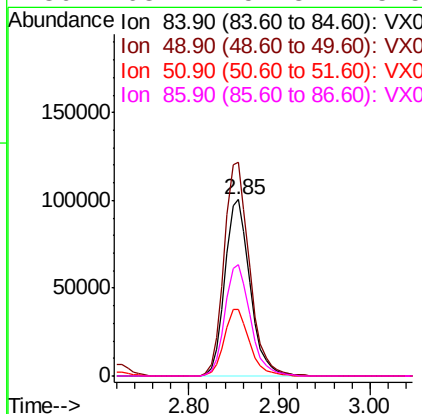
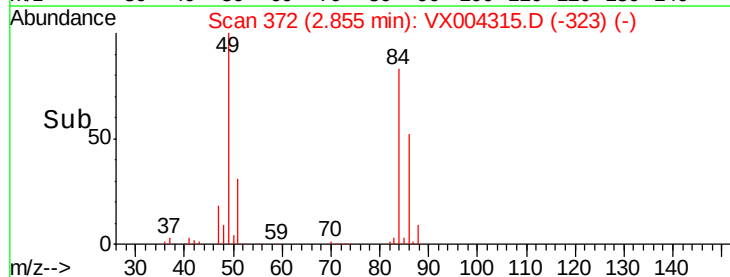
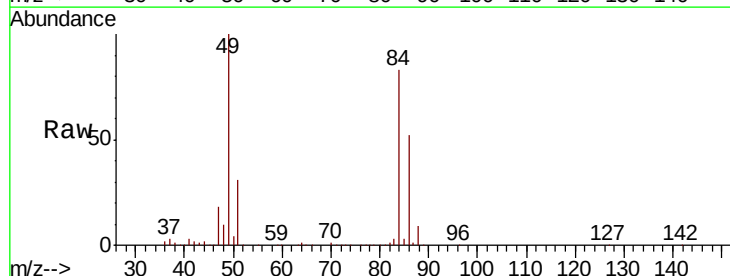
Tot Ion: 73 Resp: 576668
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.1 25.7

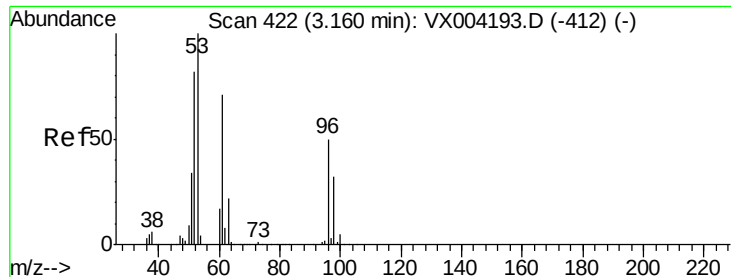


#20

Methylene Chloride
 Concen: 51.41 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

Tgt Ion: 84 Resp: 194403
 Ion Ratio Lower Upper
 84 100
 49 121.0 101.2 151.8
 51 37.4 29.5 44.3
 86 63.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 49.88 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

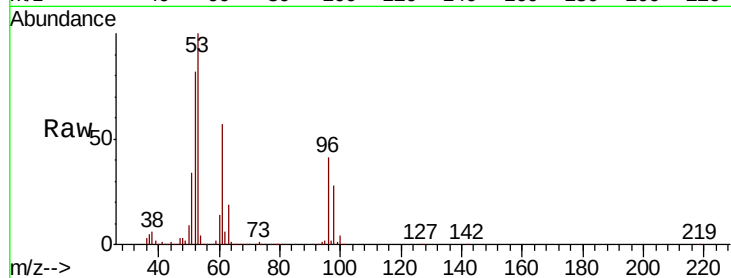
Tot Ion: 96 Resp: 176279

Ion Ratio Lower Upper

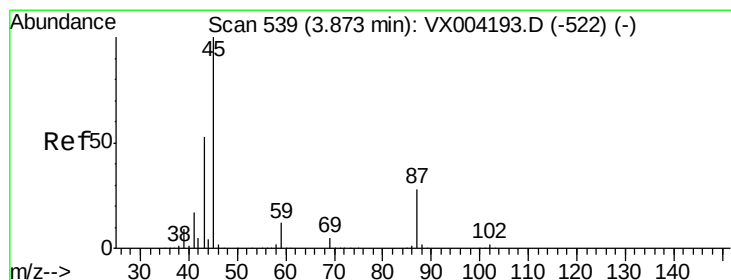
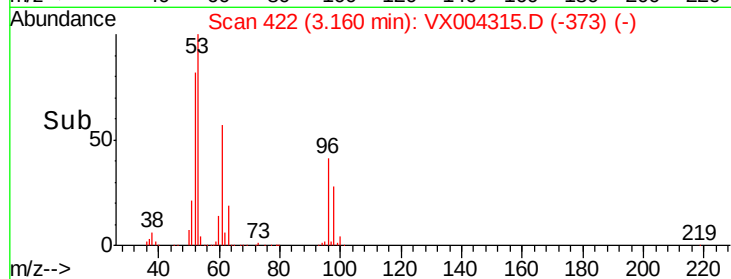
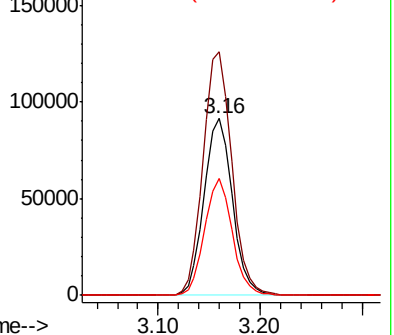
96 100

61 137.8 113.8 170.6

98 66.5 51.8 77.8



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: 53.62 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Tgt Ion: 45 Resp: 587312

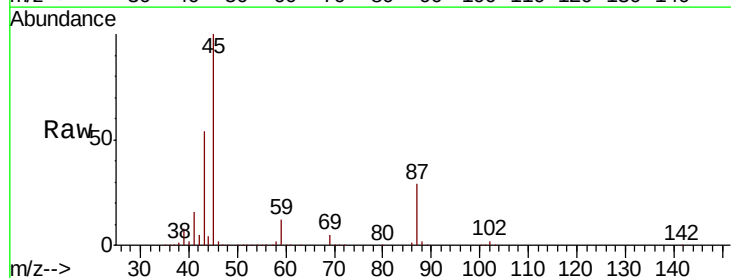
Ion Ratio Lower Upper

45 100

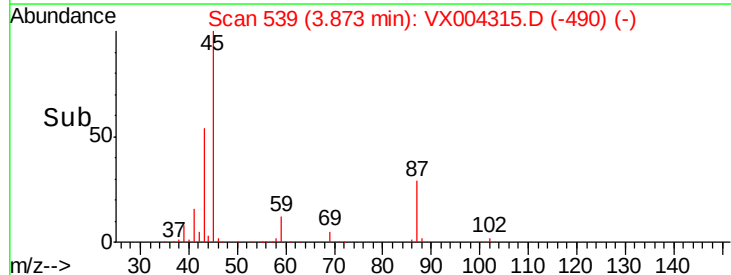
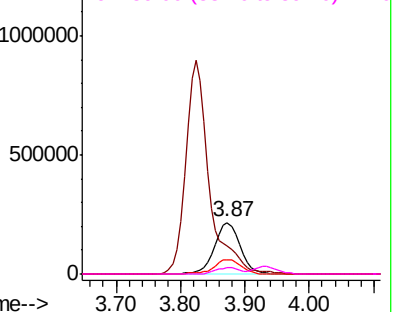
43 54.0 42.8 64.2

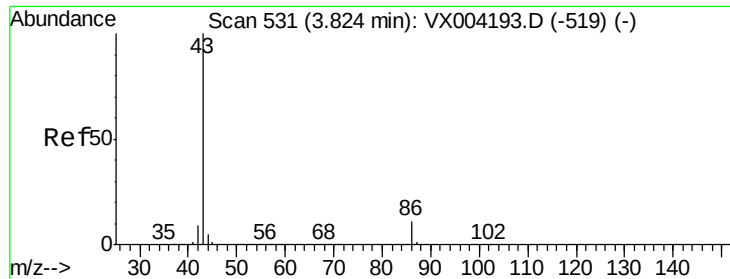
87 28.8 22.6 34.0

59 11.5 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 258.94 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

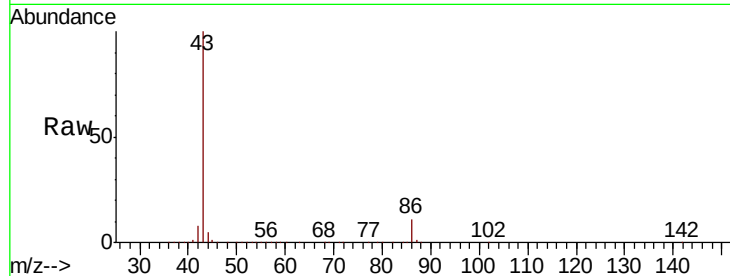
VSTDCCC050EC

Tot Ion: 43 Resp: 2298613

Ion Ratio Lower Upper

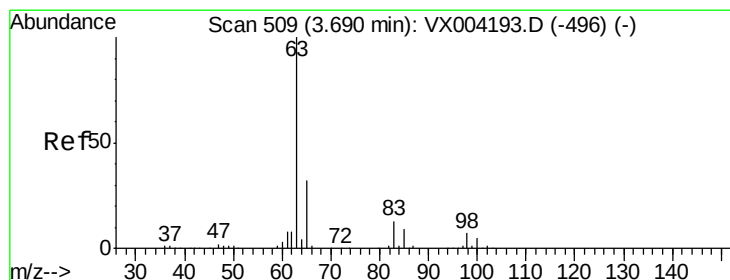
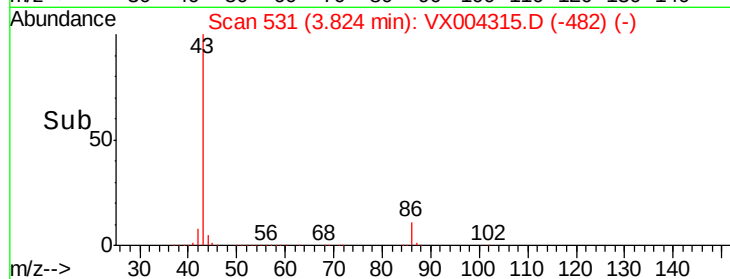
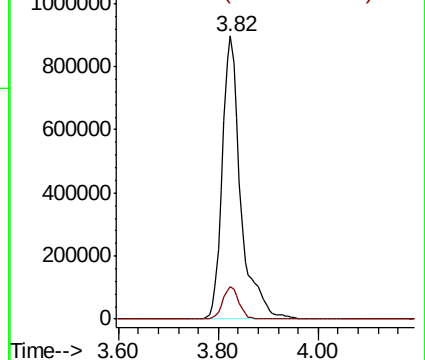
43 100

86 11.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 54.02 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

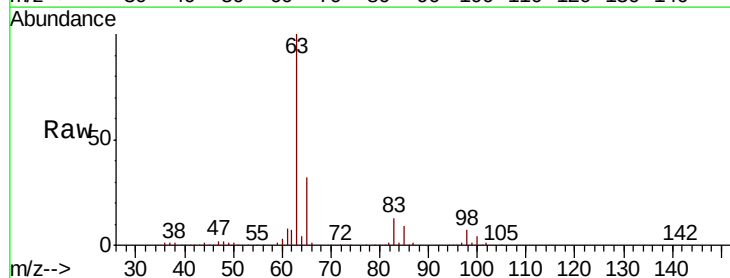
Tgt Ion: 63 Resp: 344795

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

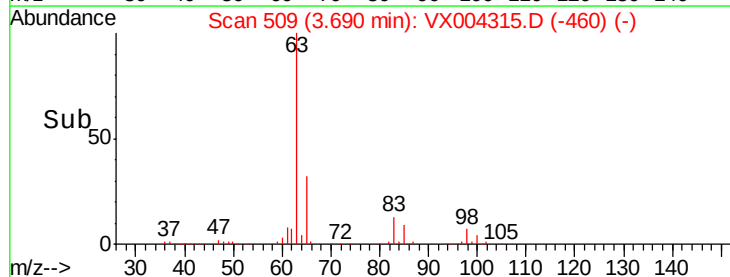
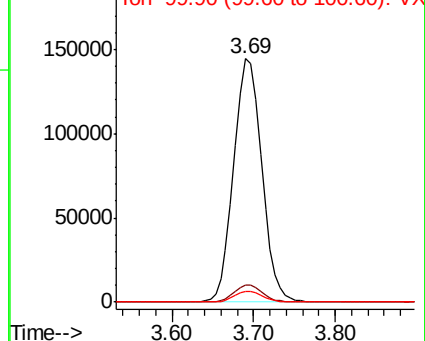
100 4.5 2.4 7.1

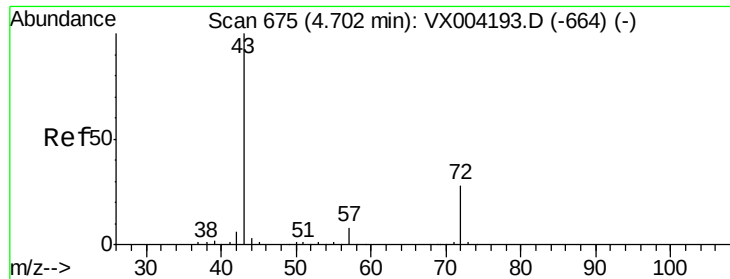


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 289.01 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

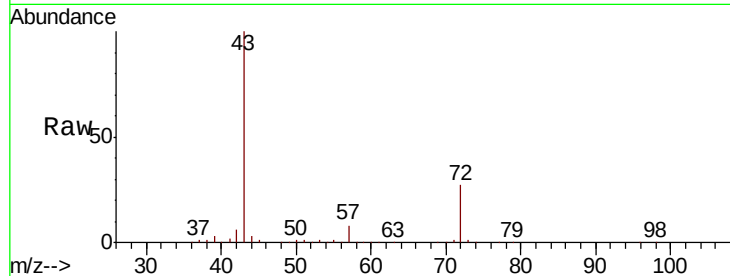
VSTDCCC050EC

Tot Ion: 43 Resp: 759535

Ion Ratio Lower Upper

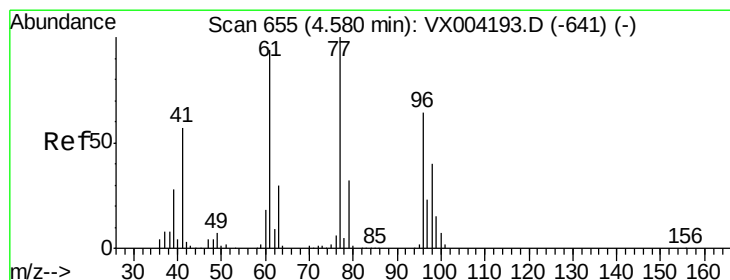
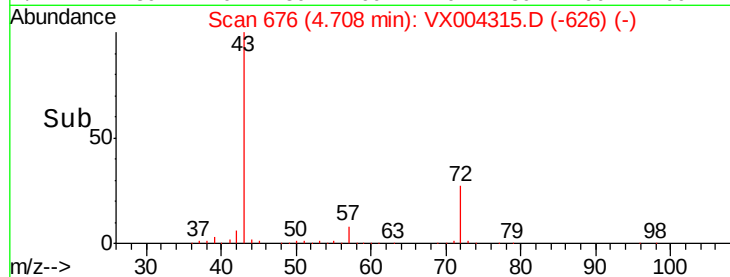
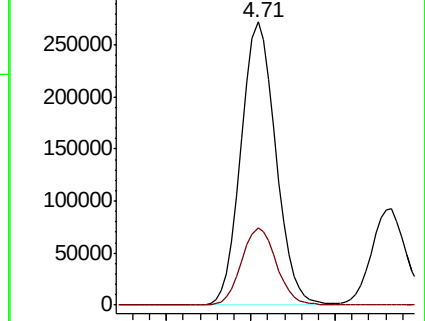
43 100

72 27.4 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 29.30 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004315.D

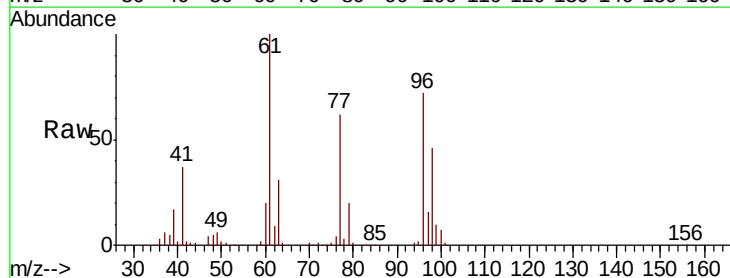
Acq: 30 Aug 2018 02:04

Tgt Ion: 77 Resp: 146696

Ion Ratio Lower Upper

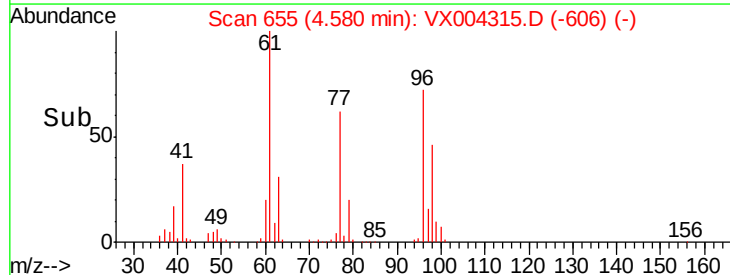
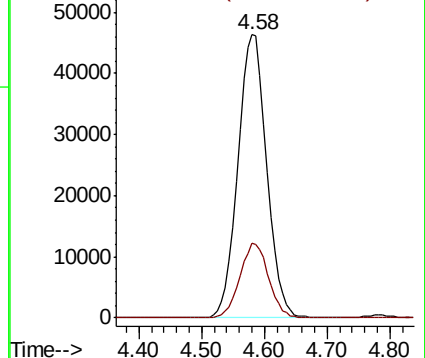
77 100

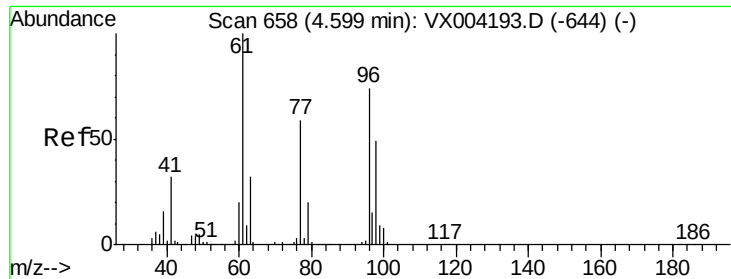
97 26.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 52.14 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

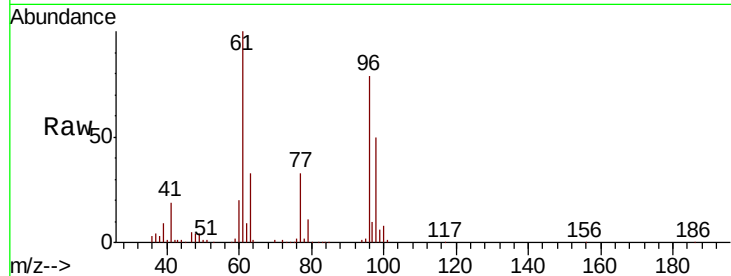
Tot Ion: 96 Resp: 208999

Ion Ratio Lower Upper

96 100

61 132.5 0.0 282.6

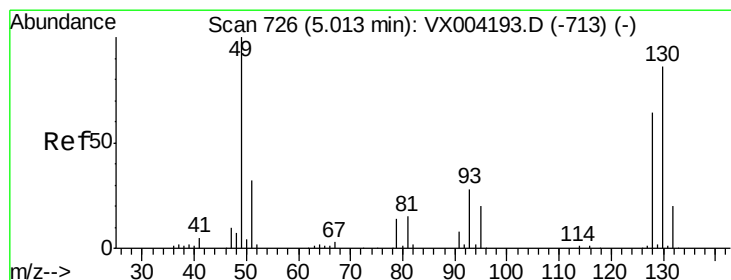
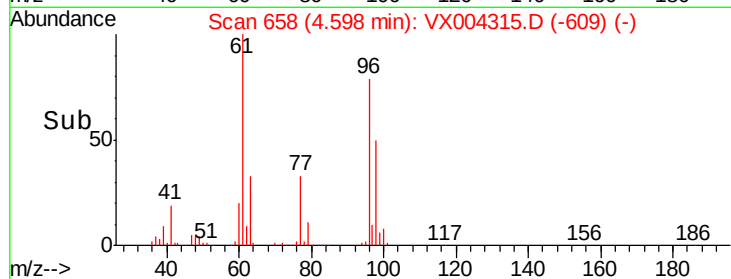
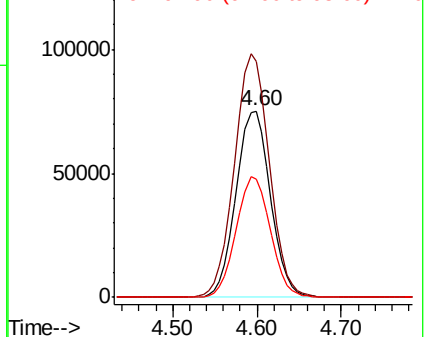
98 64.2 0.0 130.2



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



#28

Bromochloromethane

Concen: 51.12 ug/l

RT: 5.02 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

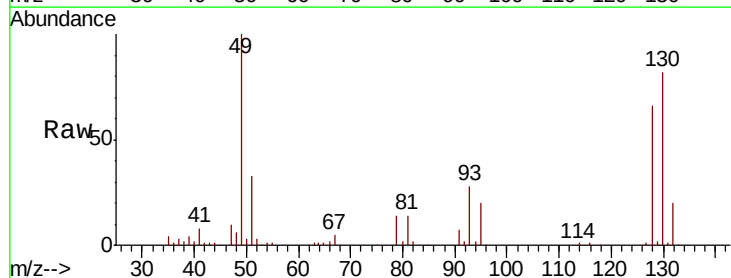
Tgt Ion: 49 Resp: 144448

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.2

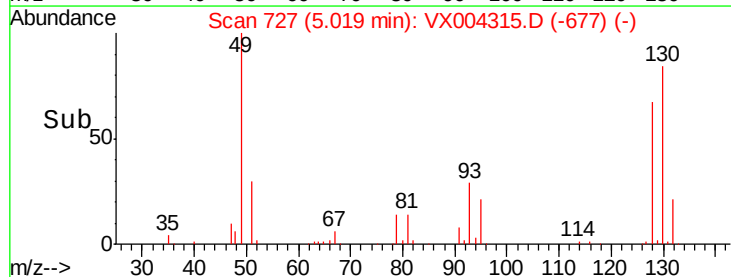
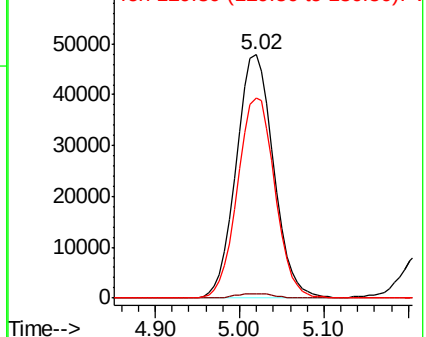
130 82.2 67.5 101.3

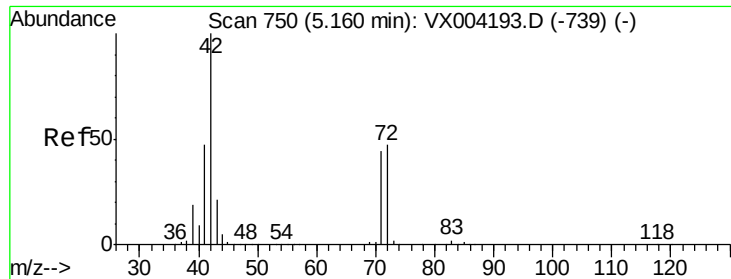


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 287.08 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

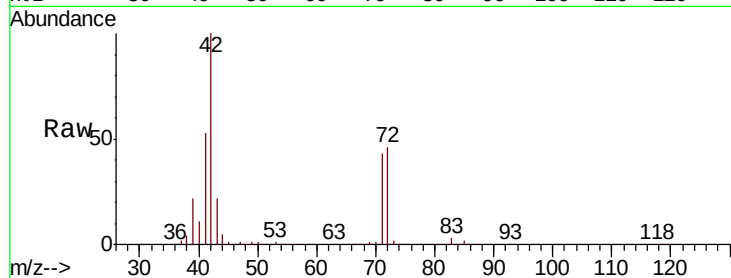
Tot Ion: 42 Resp: 484495

Ion Ratio Lower Upper

42 100

72 46.4 37.4 56.0

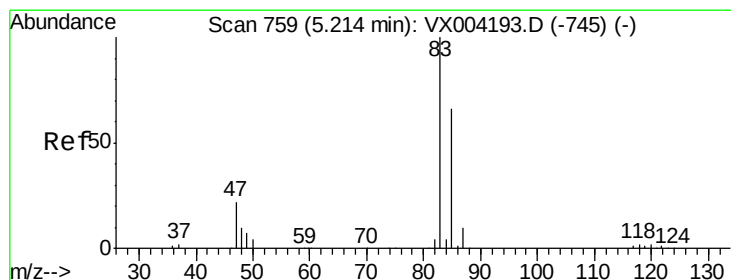
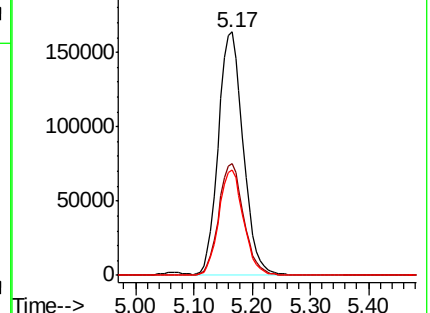
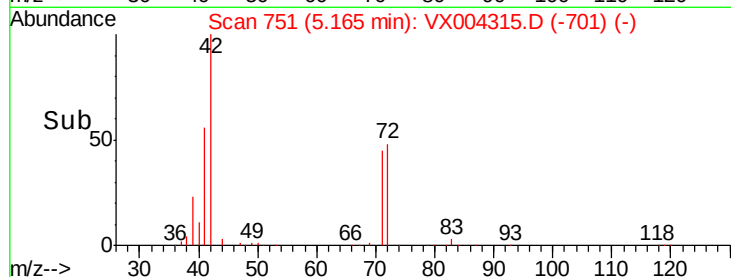
71 43.1 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 53.46 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX004315.D

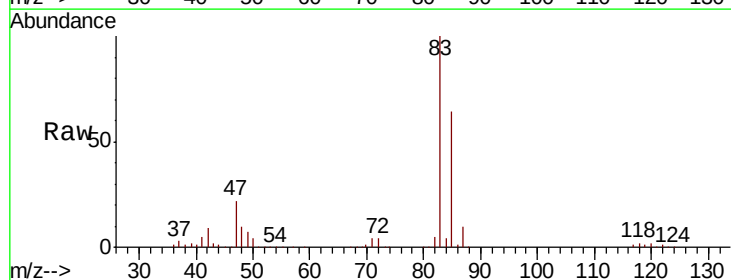
Acq: 30 Aug 2018 02:04

Tgt Ion: 83 Resp: 342152

Ion Ratio Lower Upper

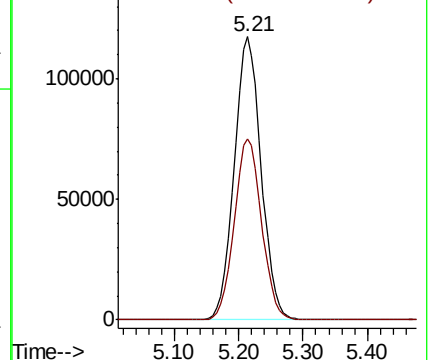
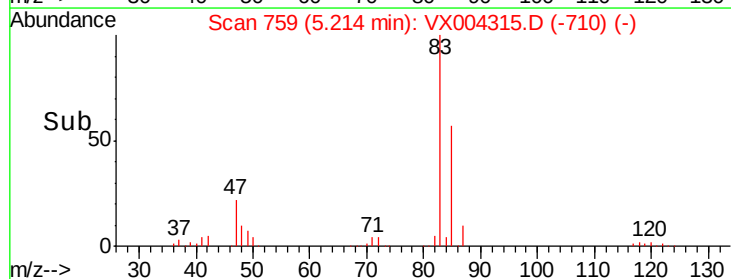
83 100

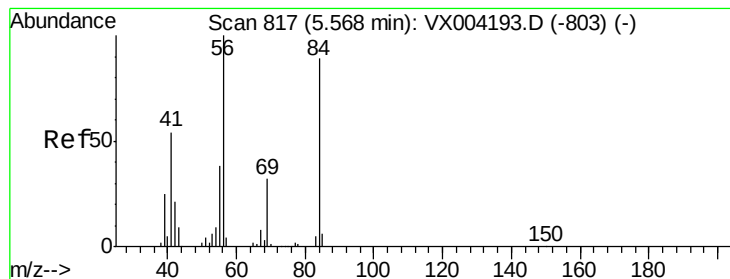
85 63.7 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 51.80 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

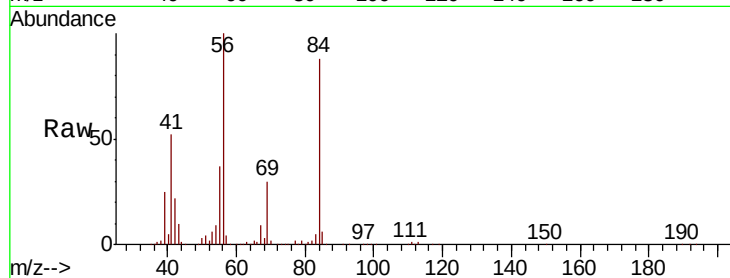
Tot Ion: 56 Resp: 285302

Ion Ratio Lower Upper

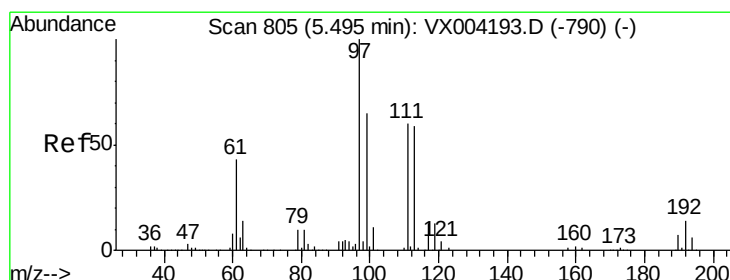
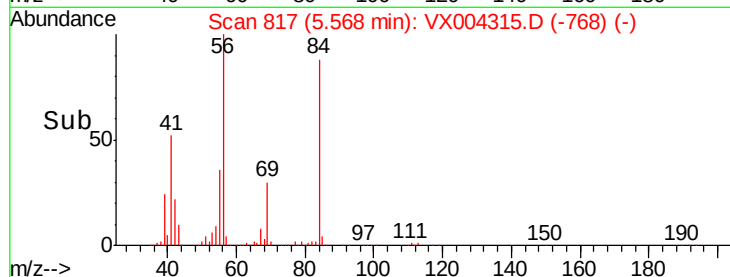
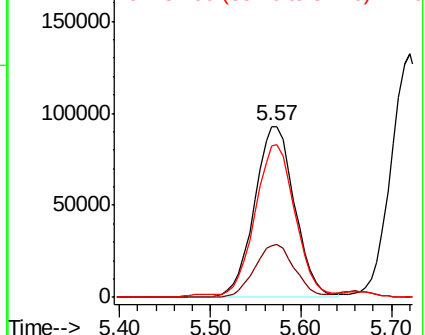
56 100

69 29.9 25.4 38.2

84 87.3 71.4 107.2



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: 53.64 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

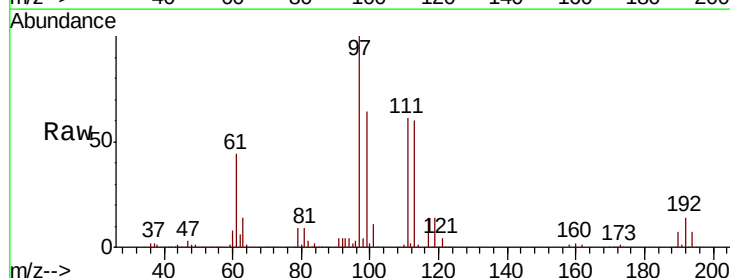
Tgt Ion: 97 Resp: 286261

Ion Ratio Lower Upper

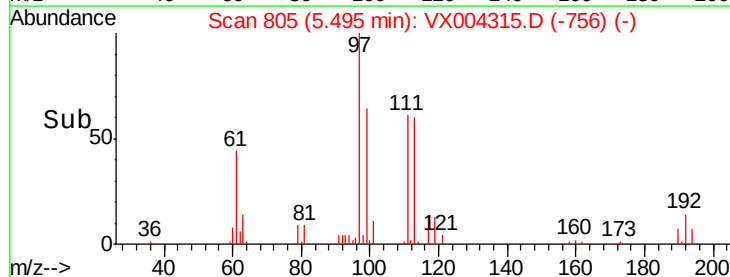
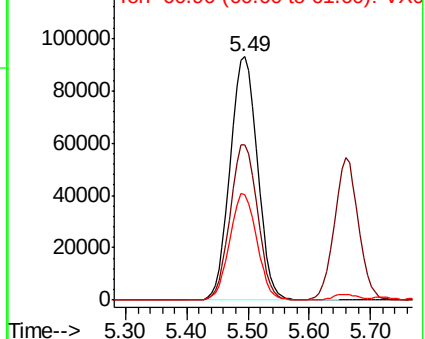
97 100

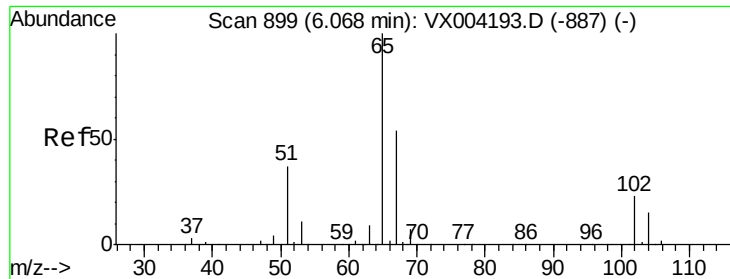
99 64.1 52.0 78.0

61 43.5 34.9 52.3



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

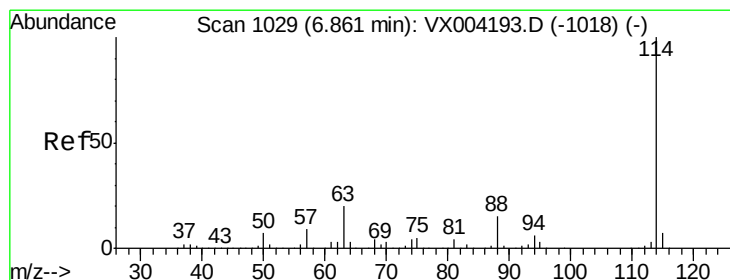
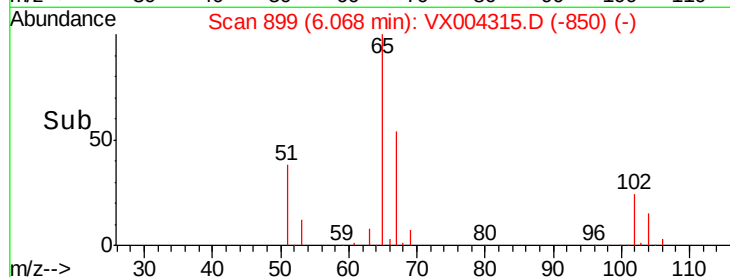
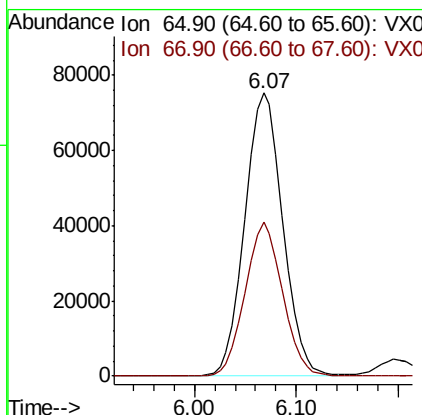
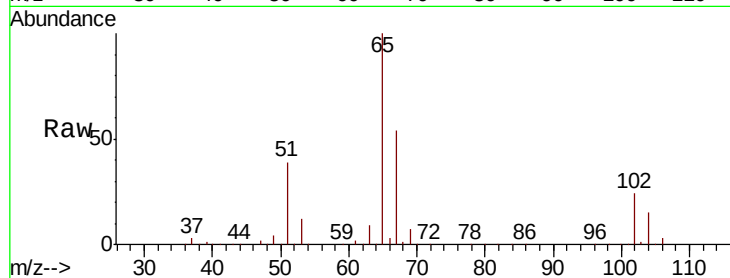




#33
 1,2-Dichloroethane-d4
 Concen: 49.72 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

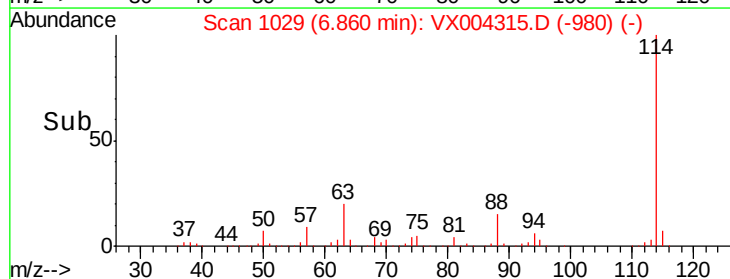
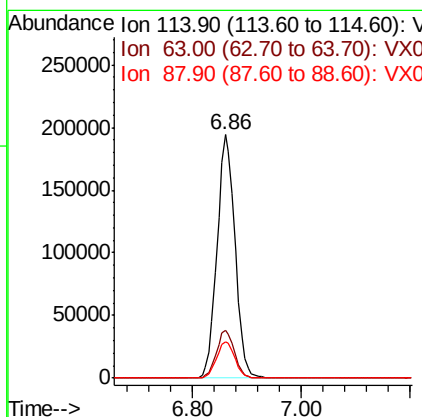
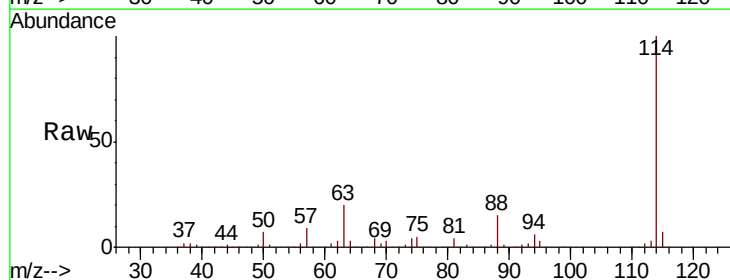
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

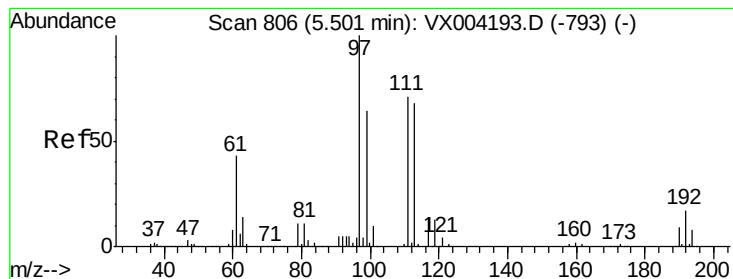
Tot Ion: 65 Resp: 195305
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

Tgt Ion: 114 Resp: 444871
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 14.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.61 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

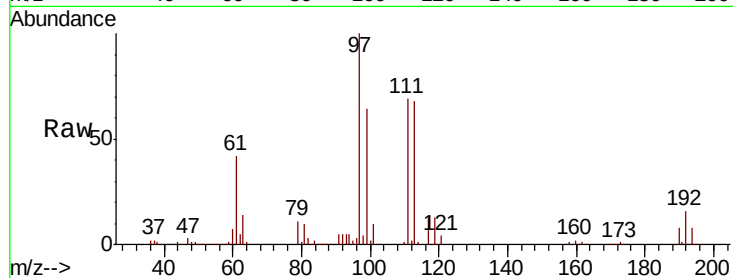
Tot Ion:113 Resp: 170818

Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

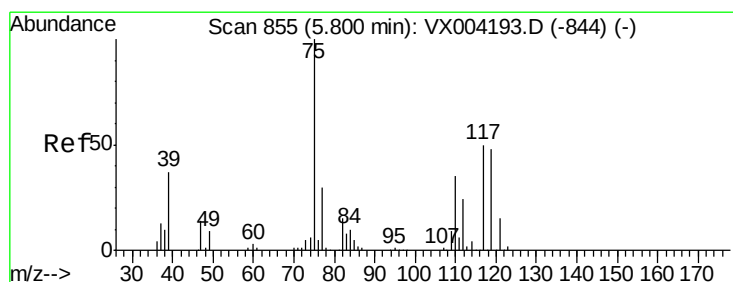
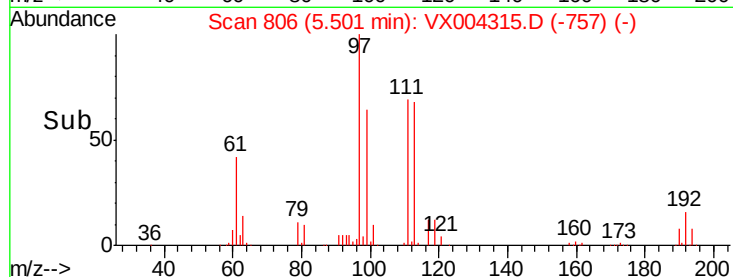
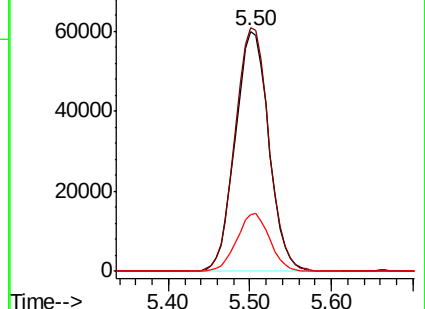
192 23.8 19.4 29.2



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: 50.60 ug/l

RT: 5.79 min Scan# 854

Delta R.T. -0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

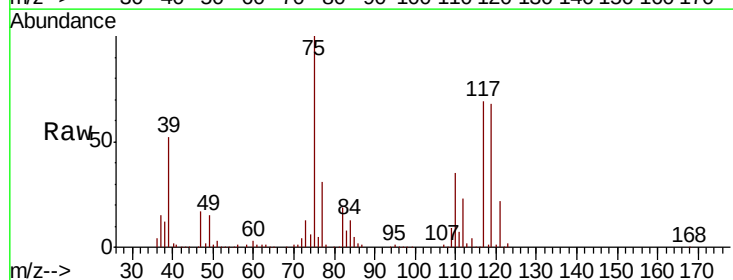
Tgt Ion: 75 Resp: 253084

Ion Ratio Lower Upper

75 100

110 36.3 18.0 54.0

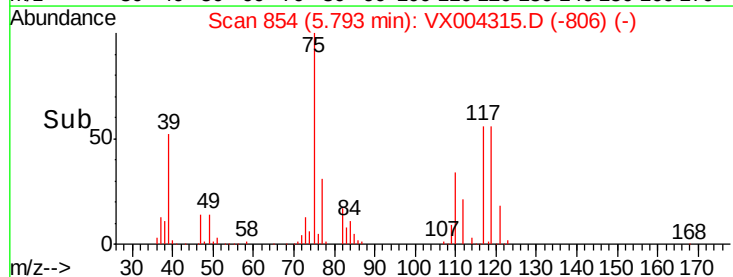
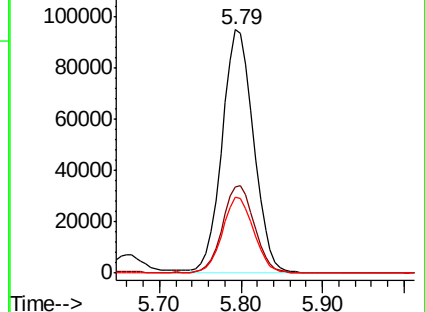
77 31.0 24.6 36.8

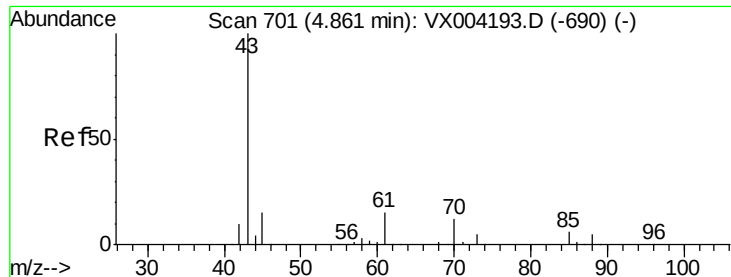


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

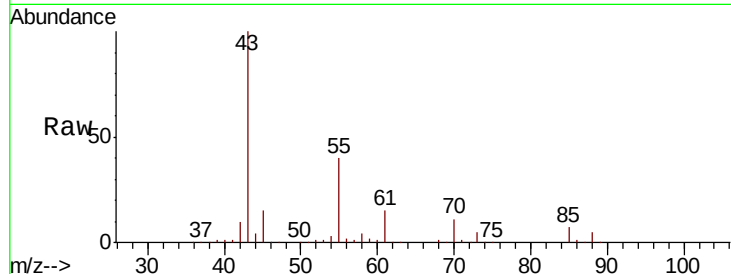




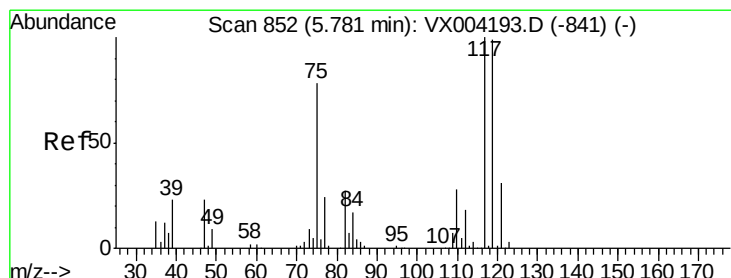
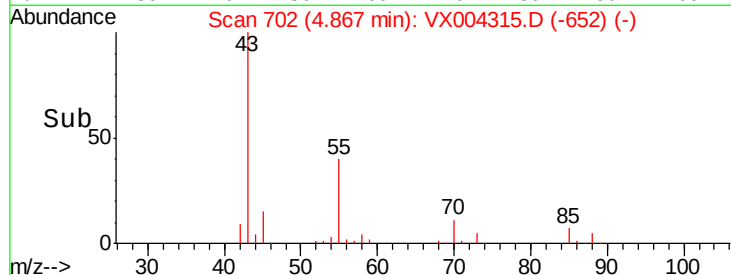
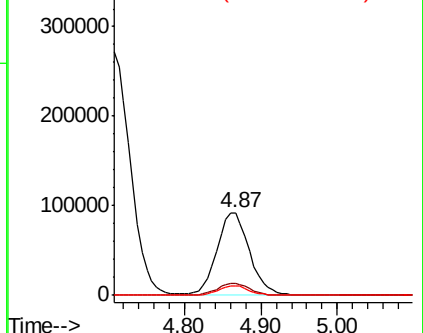
#37
Ethyl Acetate
Concen: 54.76 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 269329
Ion Ratio Lower Upper
43 100
61 14.7 11.5 17.3
70 11.3 9.0 13.6

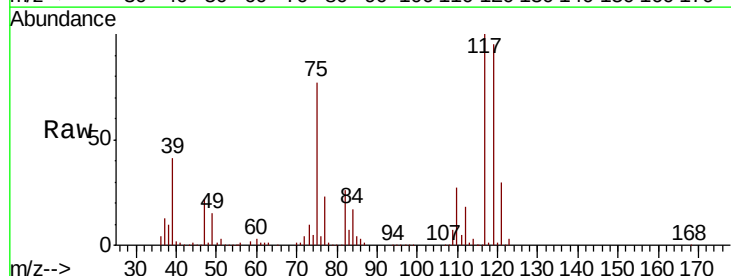


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

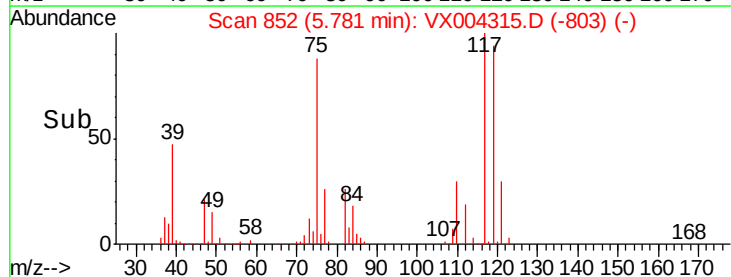
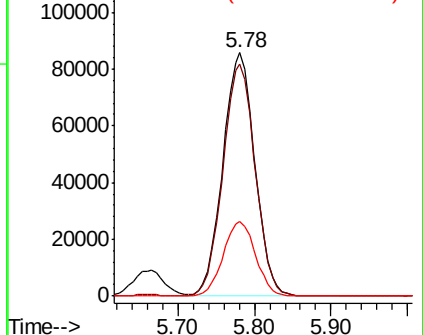


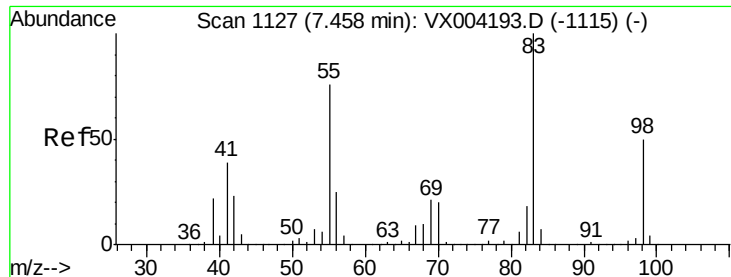
#38
Carbon Tetrachloride
Concen: 52.66 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

Tgt Ion: 117 Resp: 247751
Ion Ratio Lower Upper
117 100
119 95.1 78.8 118.2
121 30.5 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

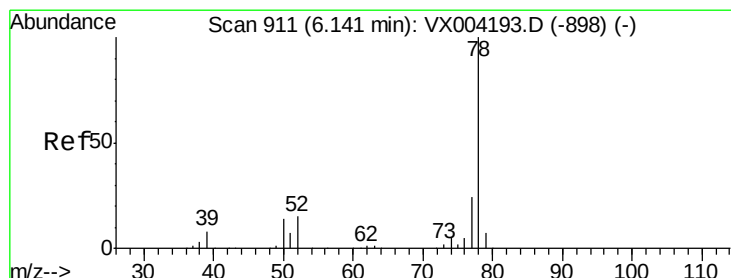
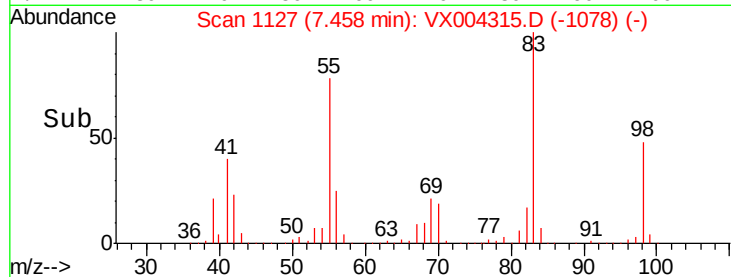
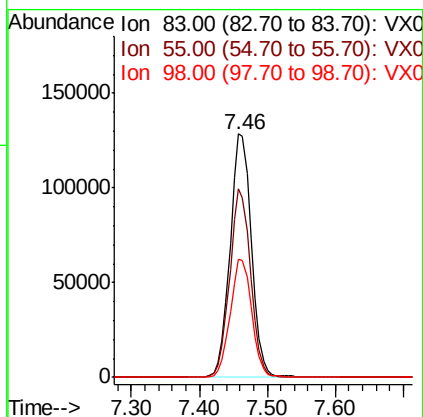
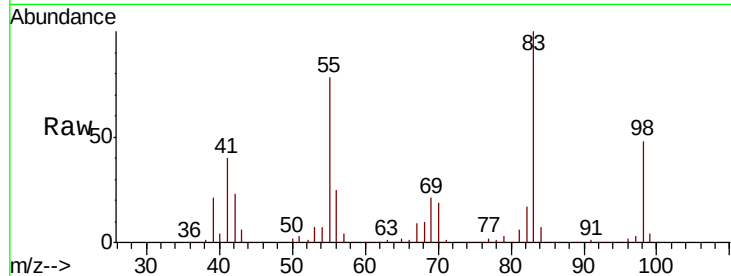




#39
Methylvlcyclohexane
Concen: 49.00 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

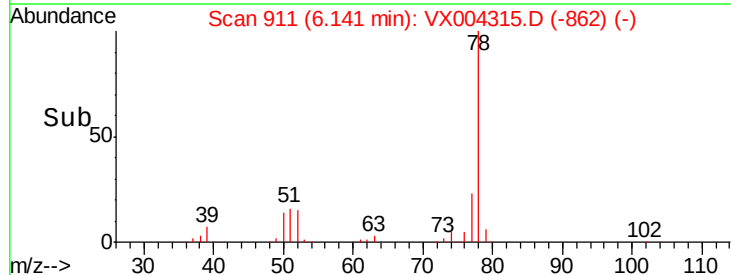
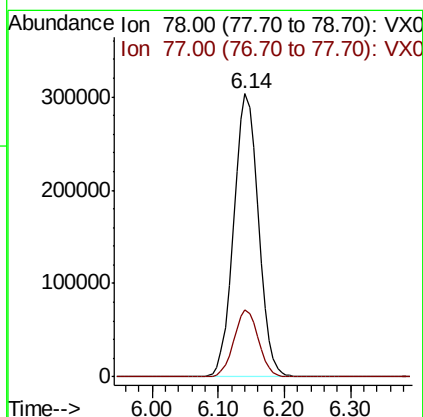
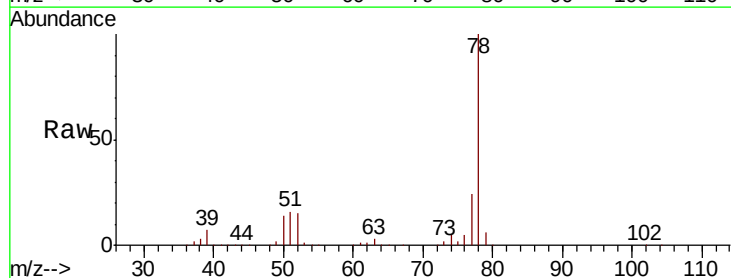
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

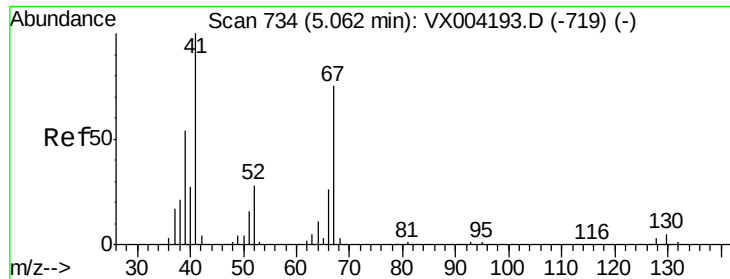
Tot Ion	83.00	Resp	279777
Ion	Ratio	Lower	Upper
83	100		
55	77.6	61.0	91.4
98	48.3	39.6	59.4



#40
Benzene
Concen: 52.57 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

Tgt Ion	78	Resp	785561
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4

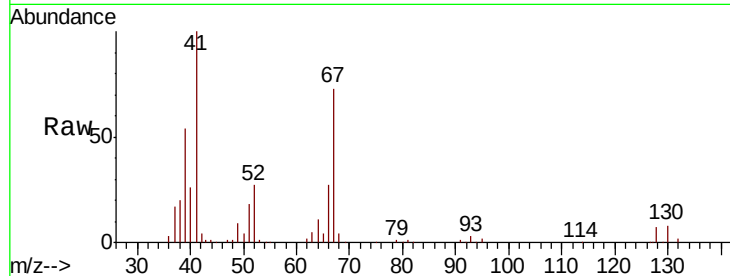




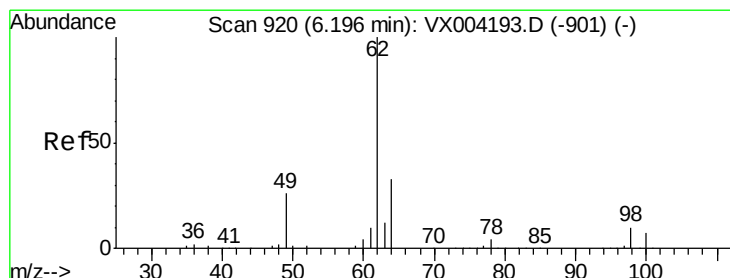
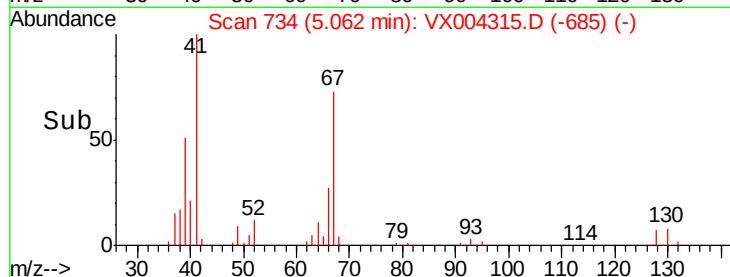
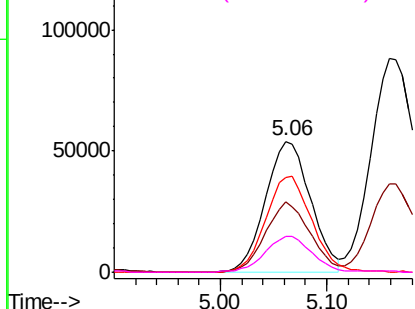
#41
Methacrylonitrile
Concen: 55.49 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	158220
Ion	Ratio	Lower	Upper
41	100		
39	52.5	42.4	63.6
67	75.2	59.2	88.8
52	28.5	23.0	34.4

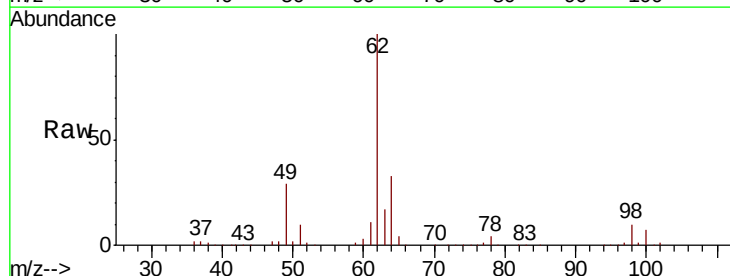


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

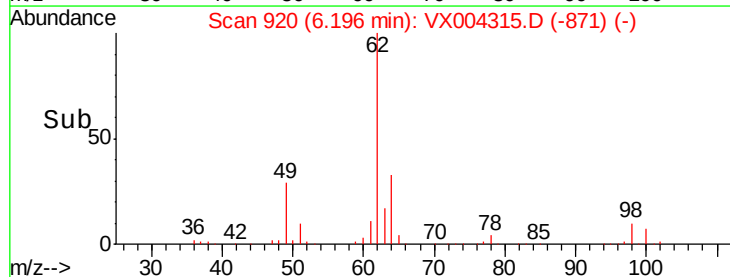
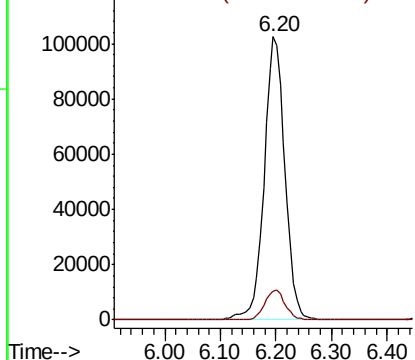


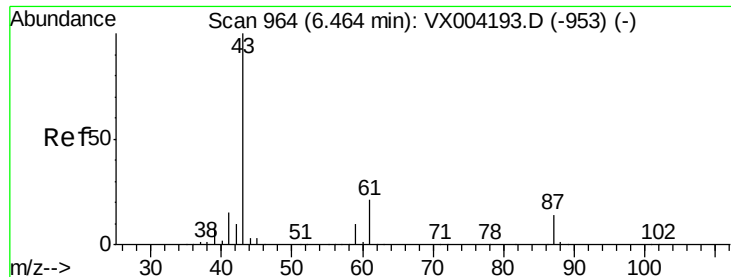
#42
1,2-Dichloroethane
Concen: 52.17 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

Tgt Ion:	62	Resp:	265957
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 56.08 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

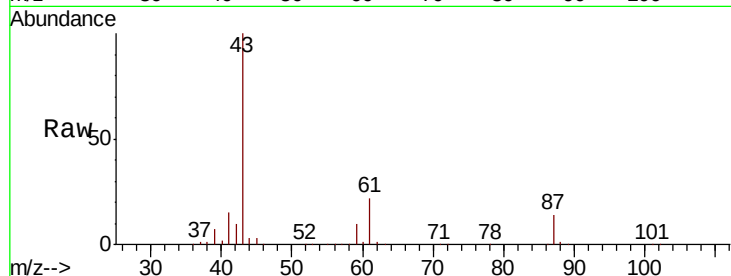
Tot Ion: 43 Resp: 423868

Ion Ratio Lower Upper

43 100

61 21.6 17.0 25.4

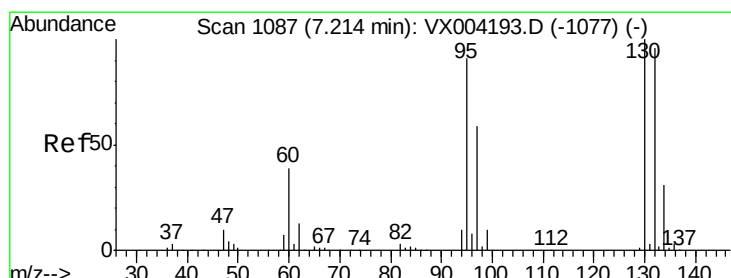
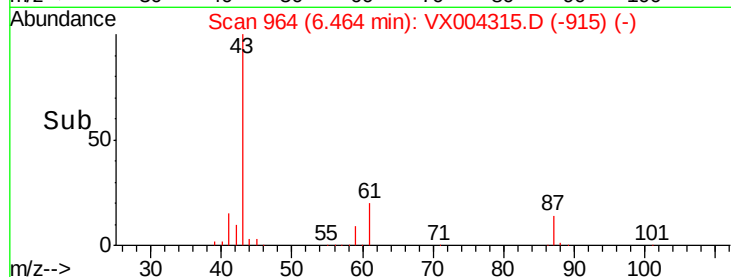
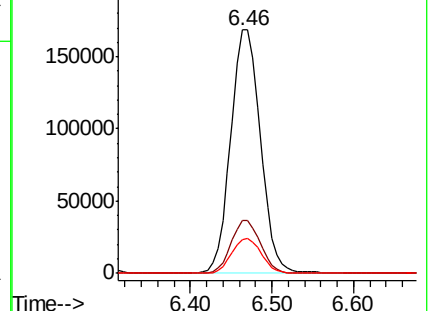
87 14.3 11.4 17.2



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: 50.42 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004315.D

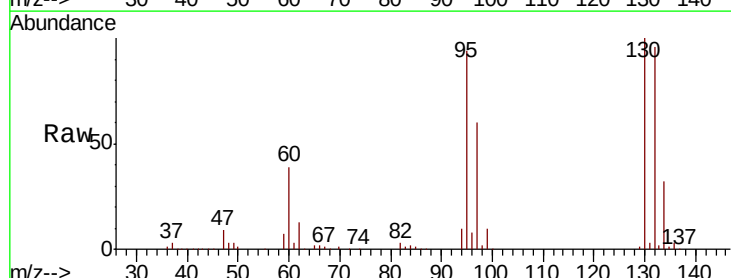
Acq: 30 Aug 2018 02:04

Tgt Ion:130 Resp: 208586

Ion Ratio Lower Upper

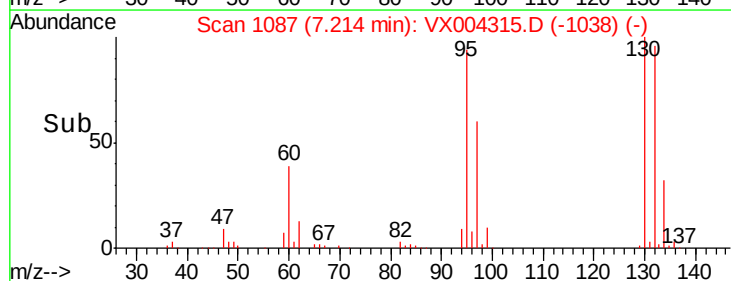
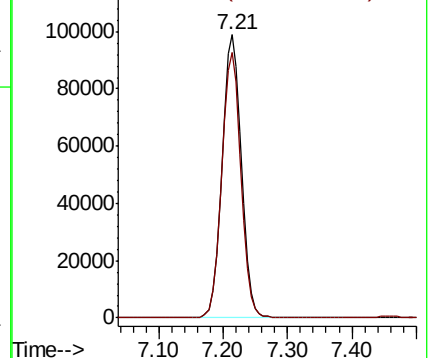
130 100

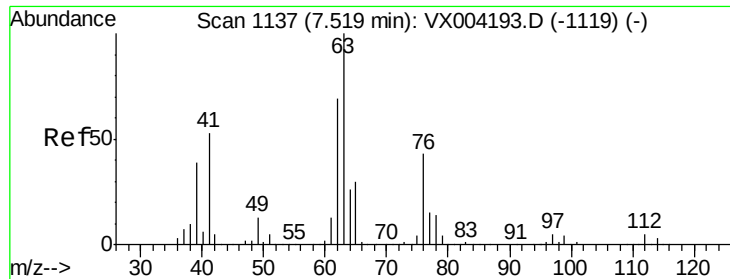
95 93.9 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

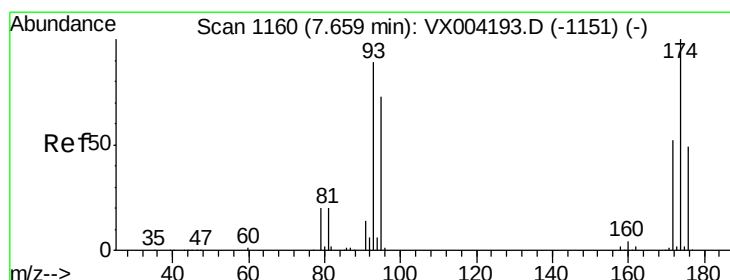
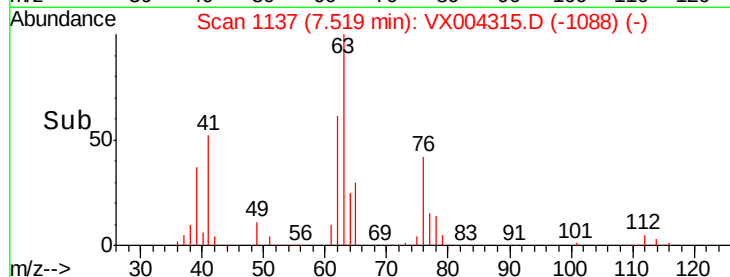
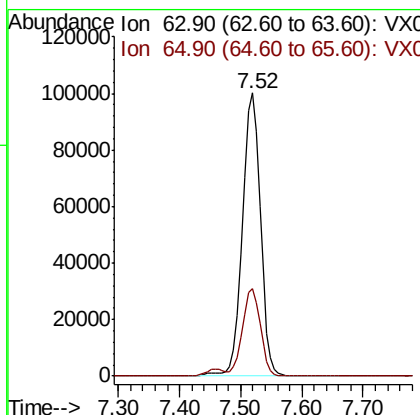
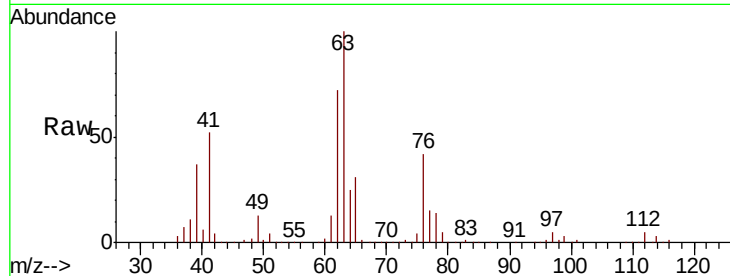




#45
 1,2-Dichloropropane
 Concen: 54.54 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

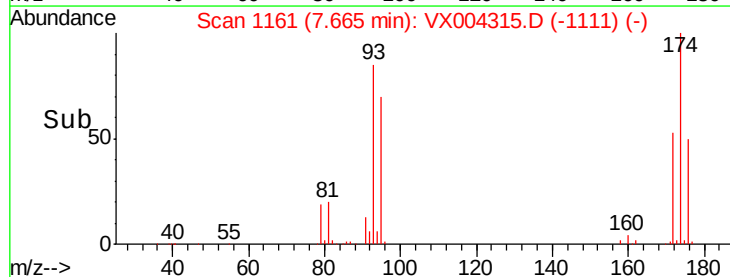
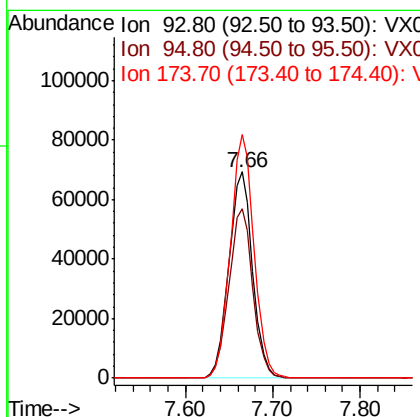
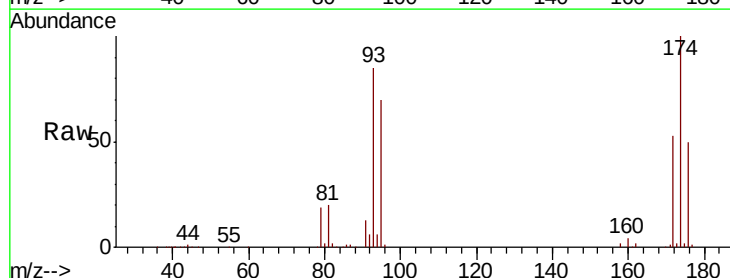
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

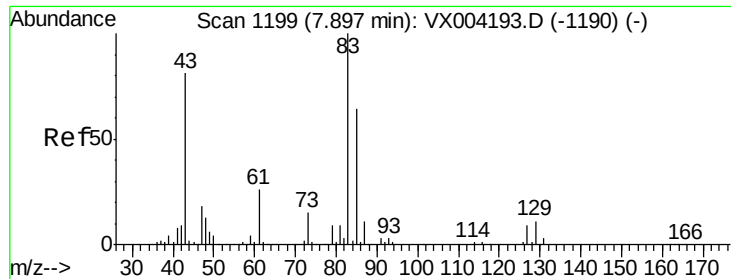
Tot Ion: 63 Resp: 203983
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.3 36.5



#46
 Dibromomethane
 Concen: 52.50 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

Tgt Ion: 93 Resp: 130742
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.5 98.3
 174 118.1 94.2 141.4





#47

Bromodichloromethane

Concen: 54.92 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

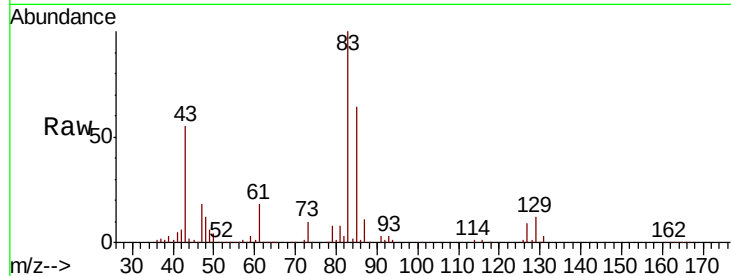
Tot Ion: 83 Resp: 254506

Ion Ratio Lower Upper

83 100

85 64.3 50.9 76.3

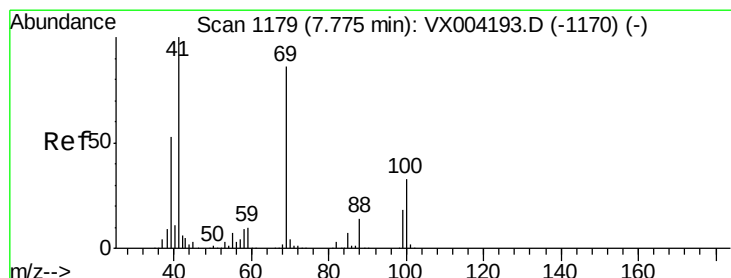
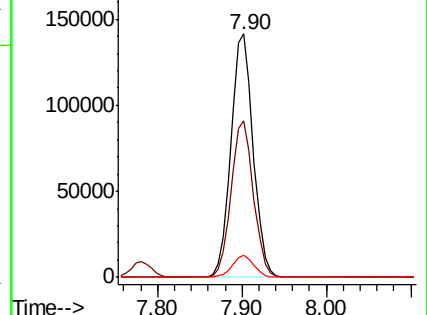
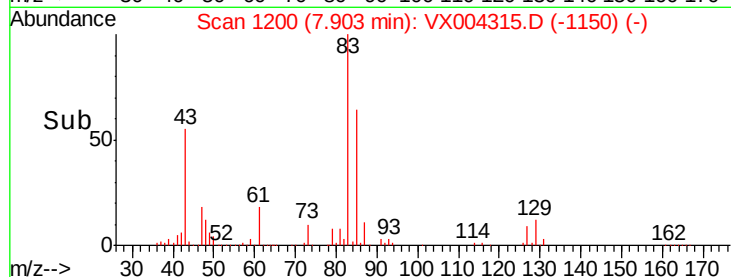
127 9.2 7.3 10.9



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: 56.91 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

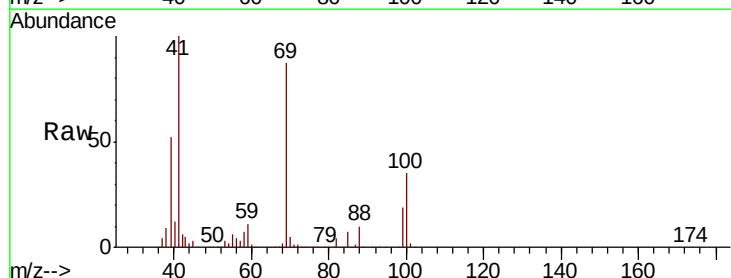
Tgt Ion: 41 Resp: 230171

Ion Ratio Lower Upper

41 100

69 88.0 70.2 105.4

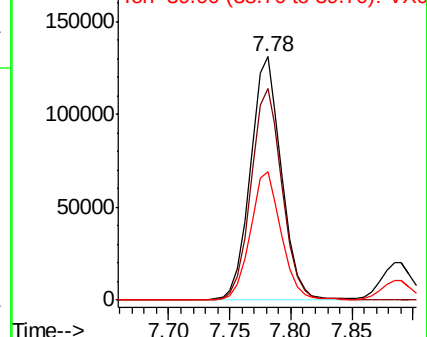
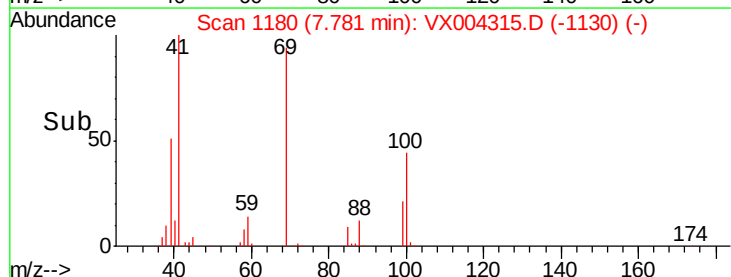
39 52.3 42.7 64.1

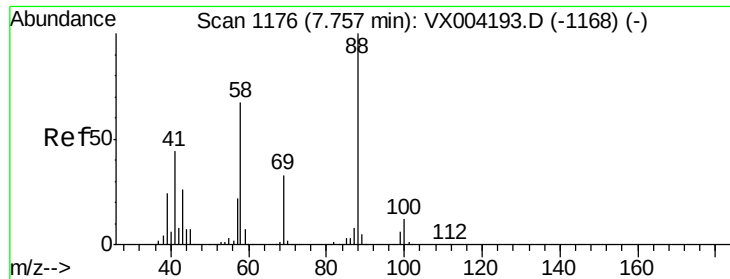


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

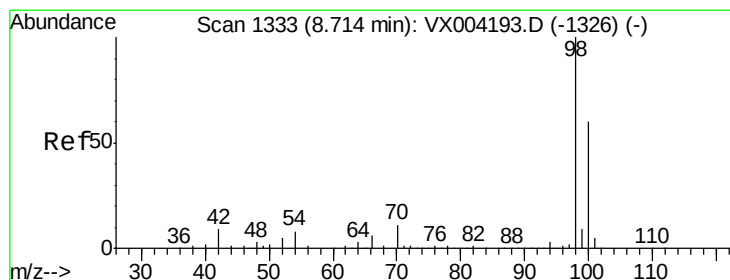
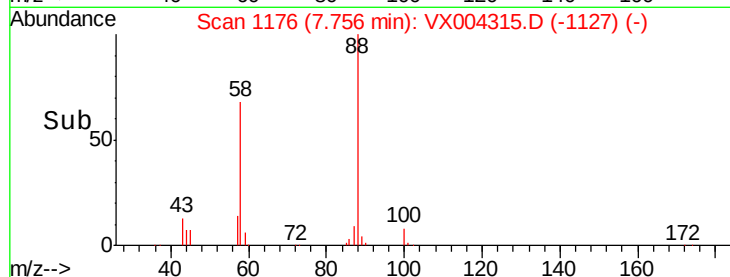
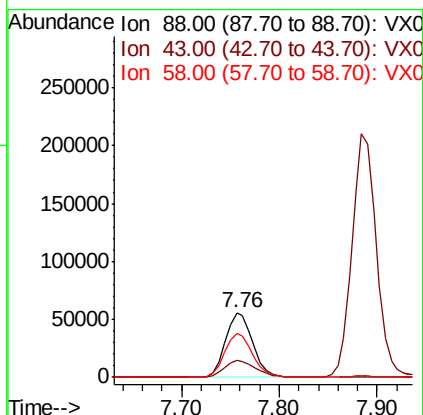
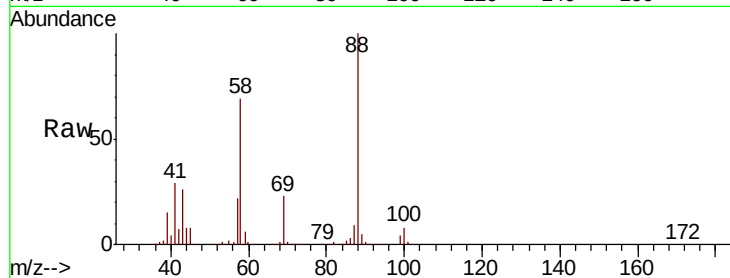




#49
1,4-Dioxane
Concen: 1158.30 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

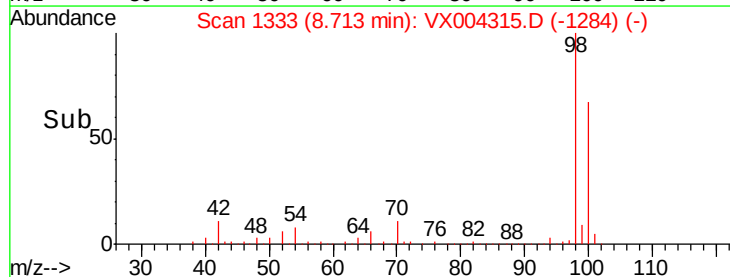
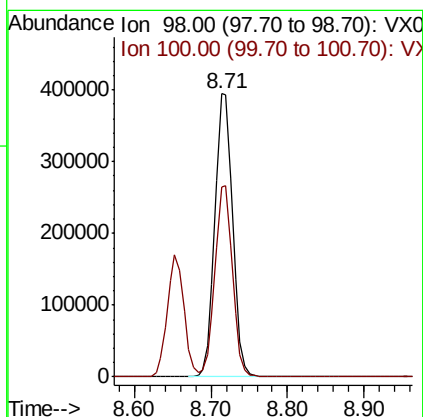
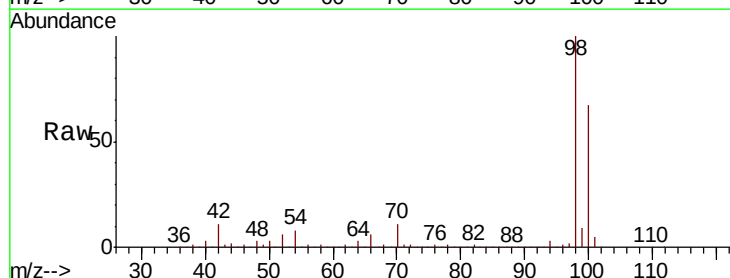
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

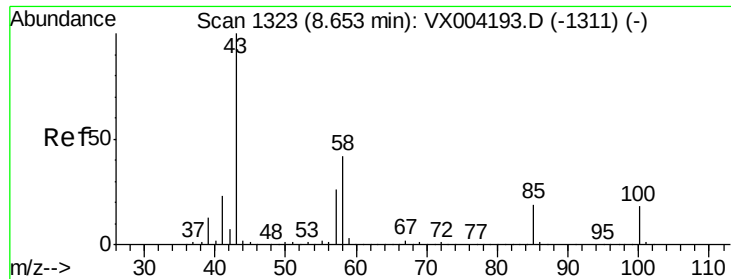
Tot Ion: 88 Resp: 106357
Ion Ratio Lower Upper
88 100
43 29.6 24.7 37.1
58 70.3 55.3 82.9



#50
Toluene-d8
Concen: 50.92 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

Tgt Ion: 98 Resp: 636107
Ion Ratio Lower Upper
98 100
100 66.9 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 271.67 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

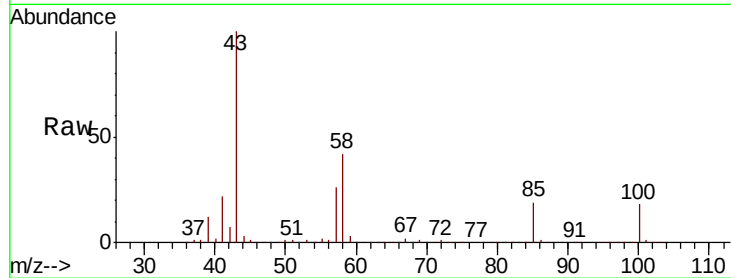
VSTDCCC050EC

Tot Ion: 43 Resp: 1491922

Ion Ratio Lower Upper

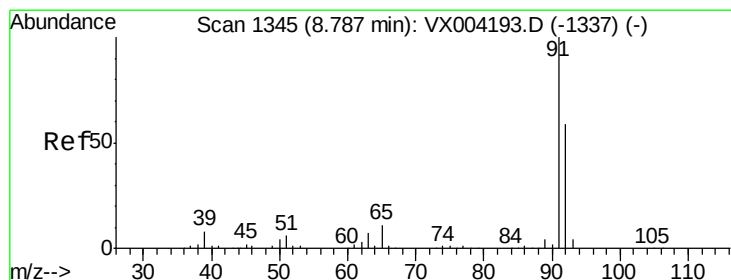
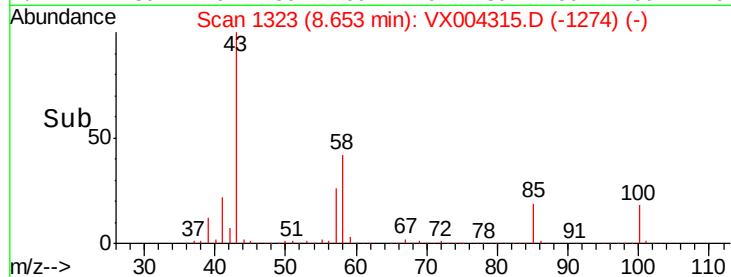
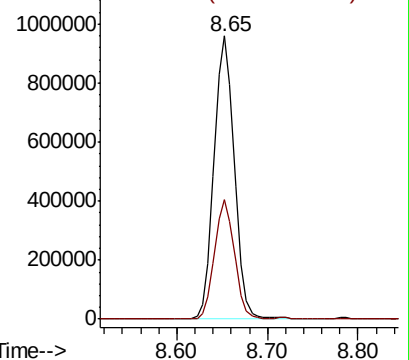
43 100

58 41.3 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.49 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004315.D

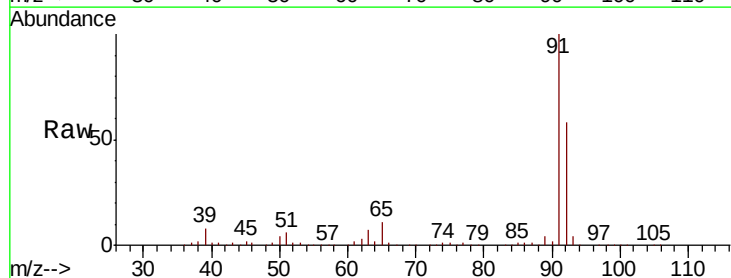
Acq: 30 Aug 2018 02:04

Tgt Ion: 92 Resp: 491048

Ion Ratio Lower Upper

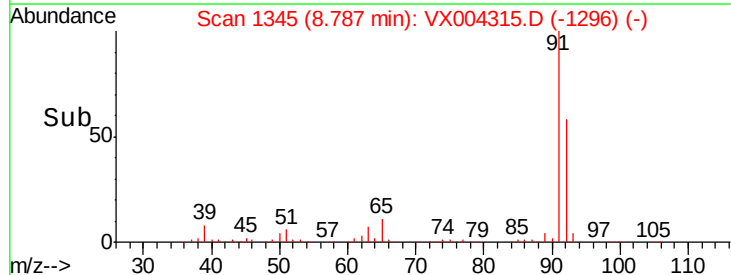
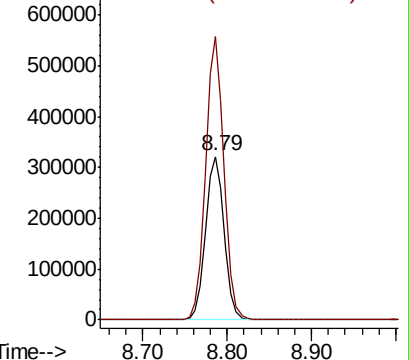
92 100

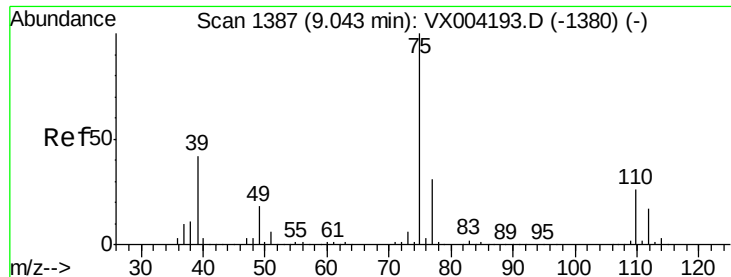
91 170.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

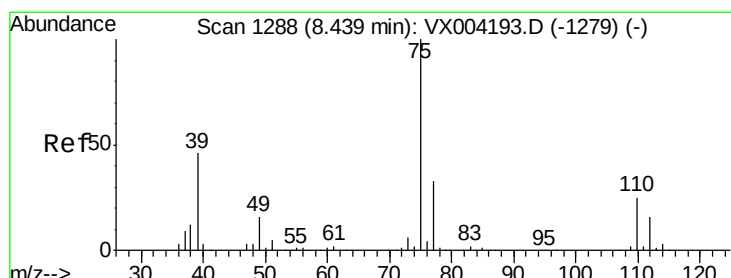
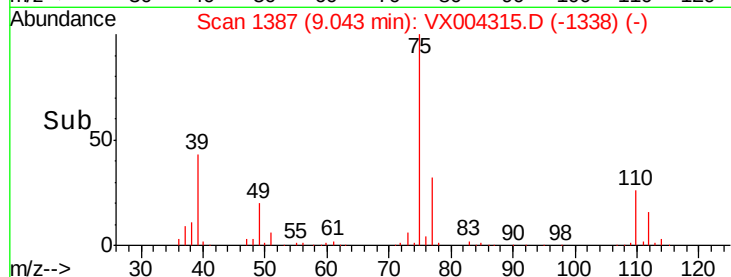
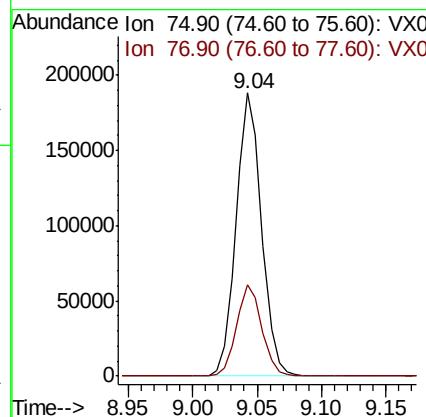
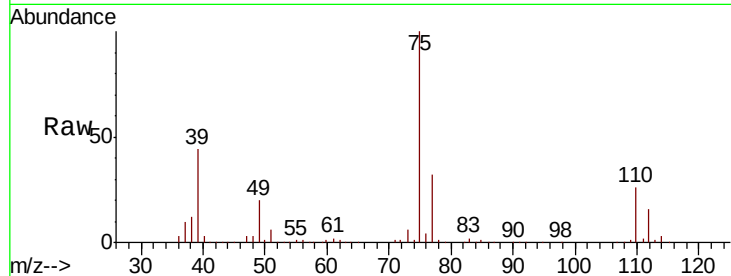




#53
 t-1,3-Dichloropropene
 Concen: 50.70 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

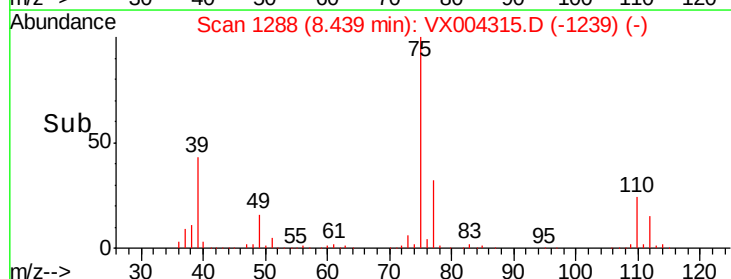
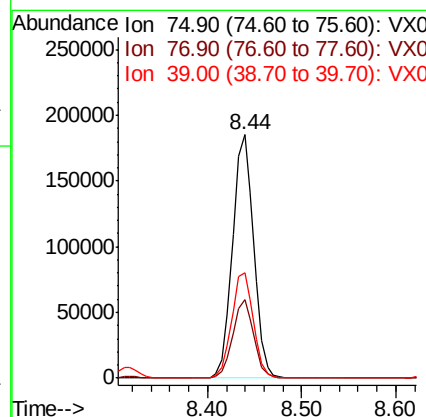
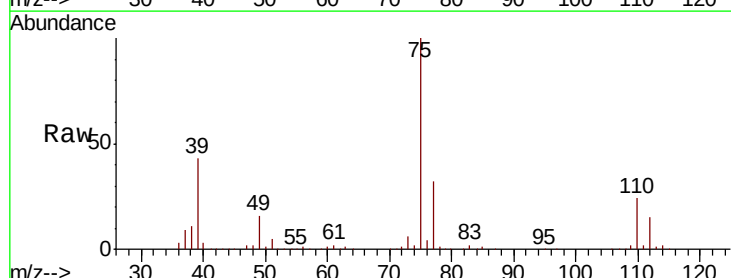
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

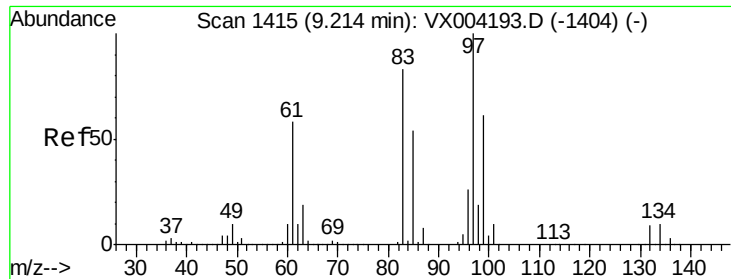
Tot Ion: 75 Resp: 259500
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 51.77 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

Tgt Ion: 75 Resp: 288611
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2
 39 43.3 36.4 54.6

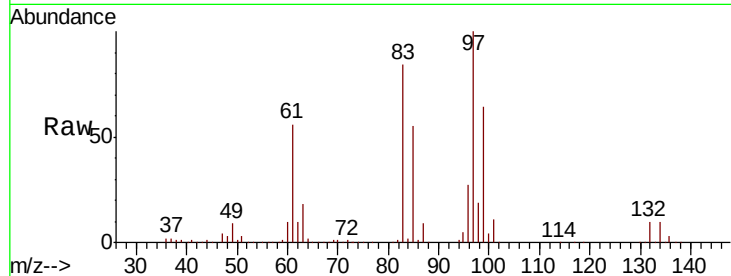




#55
 1,1,2-Trichloroethane
 Concen: 54.59 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	206167
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.4	99.6
85	54.9	43.3	64.9
99	63.6	49.0	73.4



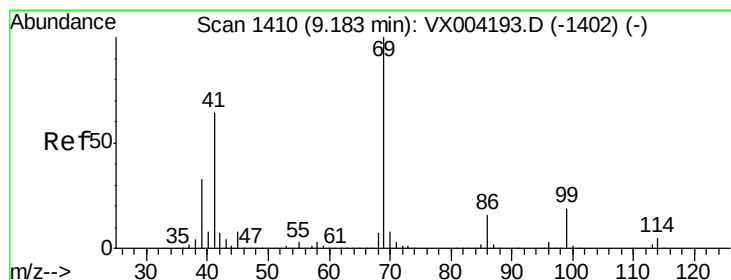
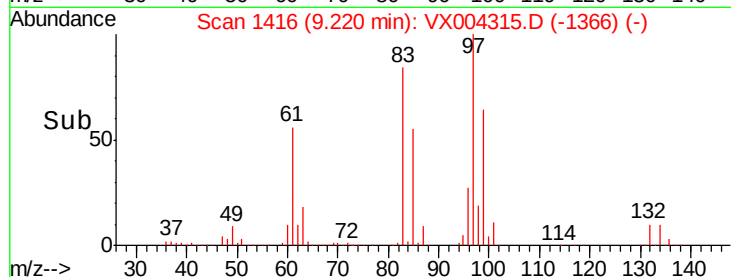
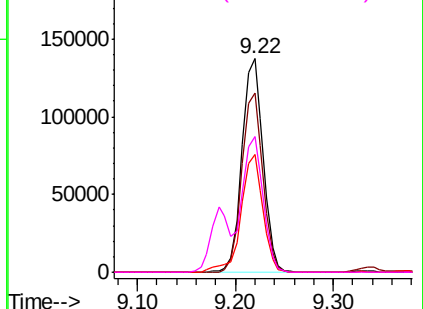
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

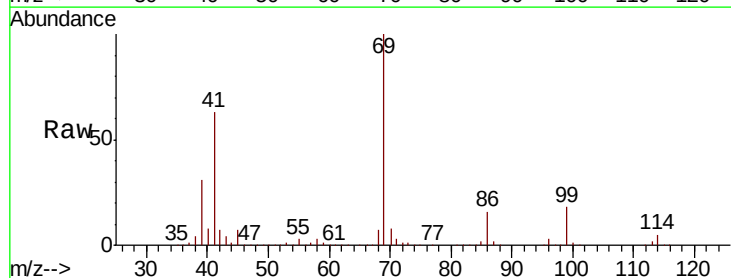
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 58.99 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

Tgt Ion:	69	Resp:	303240
Ion	Ratio	Lower	Upper
69	100		
41	62.8	51.0	76.4
39	31.3	26.1	39.1

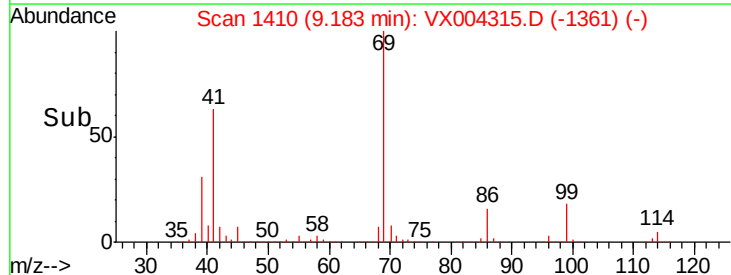
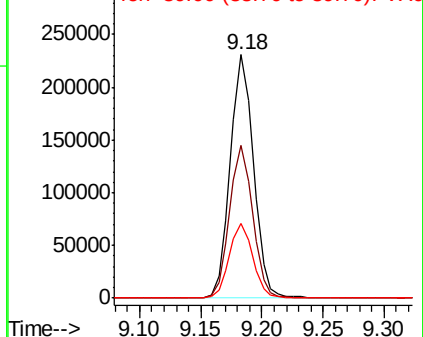


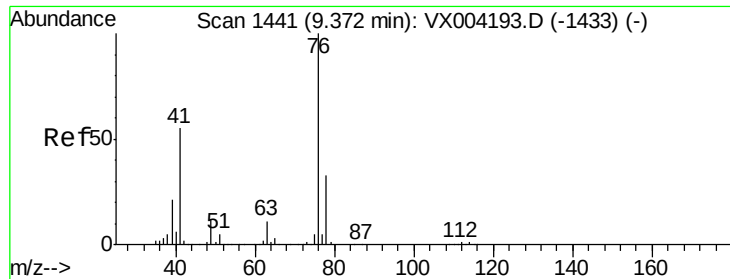
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

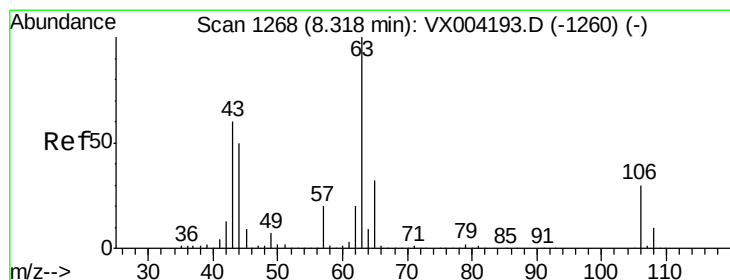
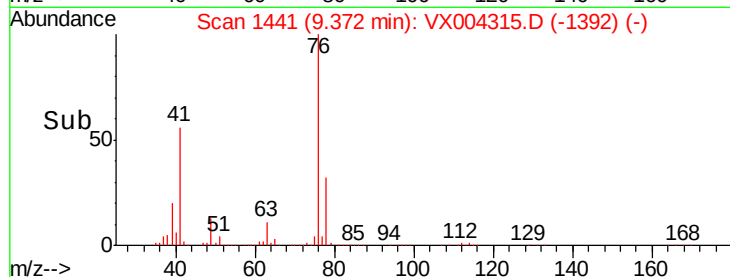
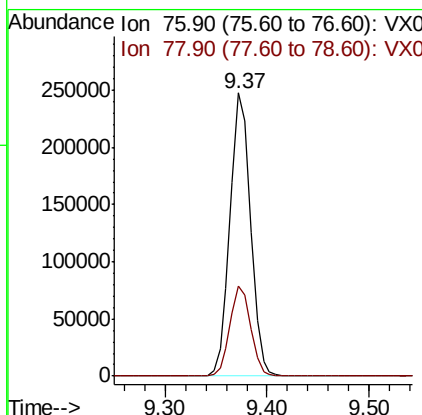
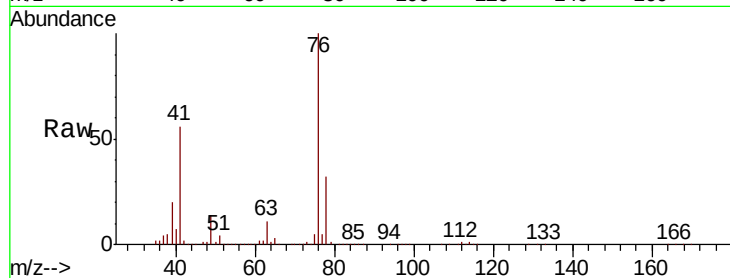




#57
 1,3-Dichloropropane
 Concen: 54.05 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

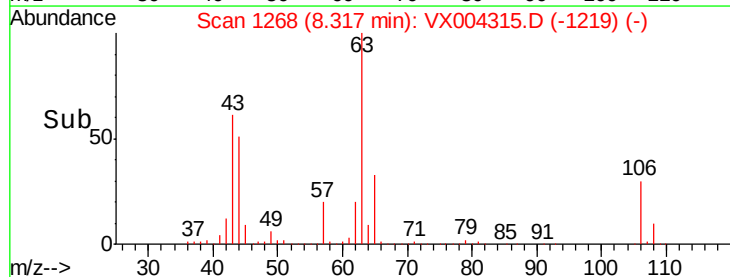
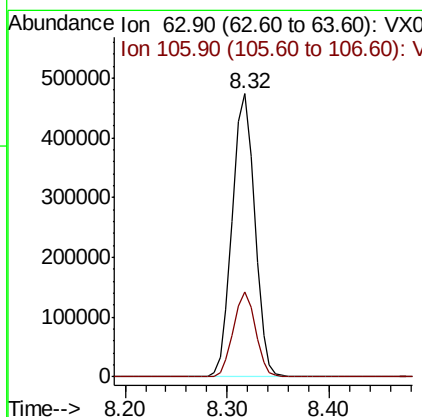
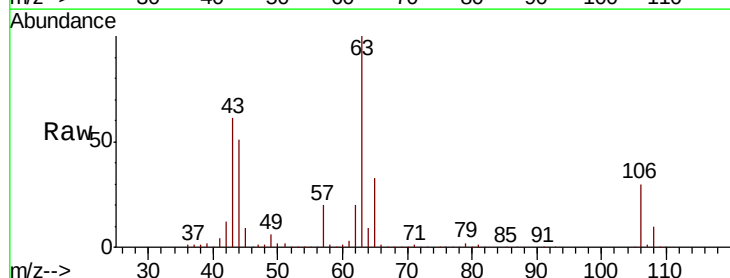
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

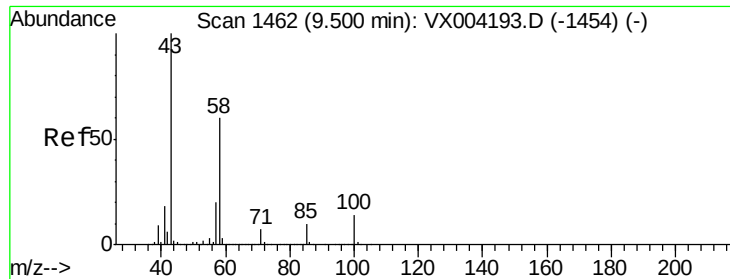
Tot Ion: 76 Resp: 344038
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.79 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

Tgt Ion: 63 Resp: 721174
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.9 35.9

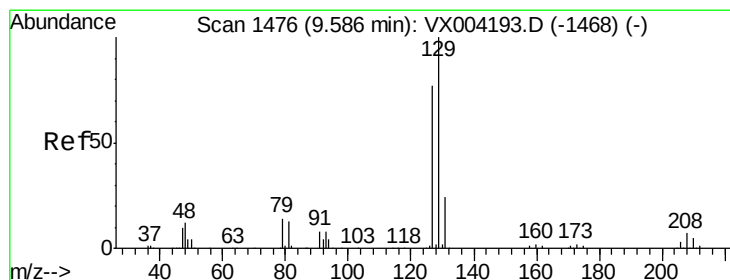
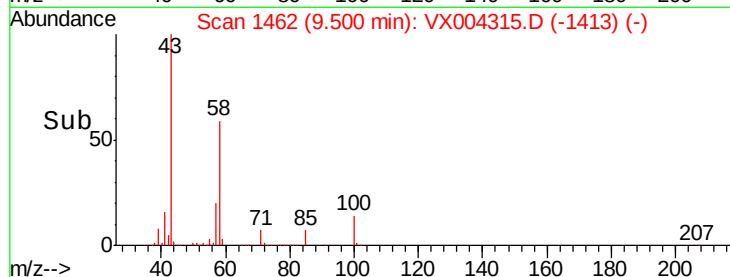
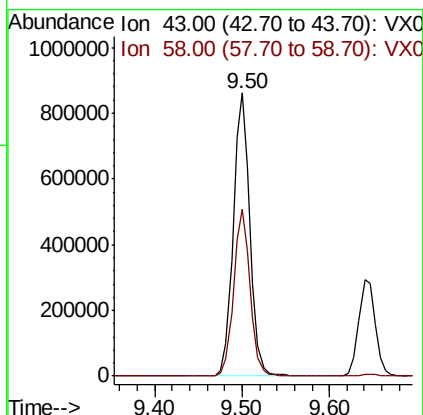
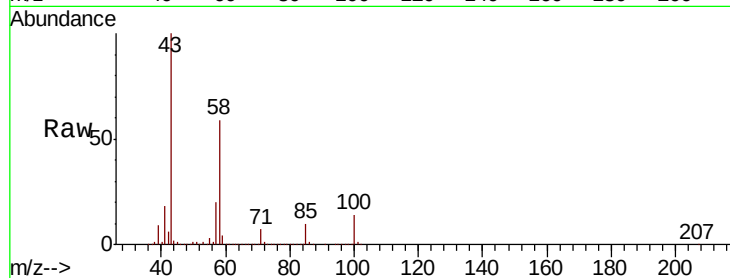




#59
2-Hexanone
Concen: 274.10 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

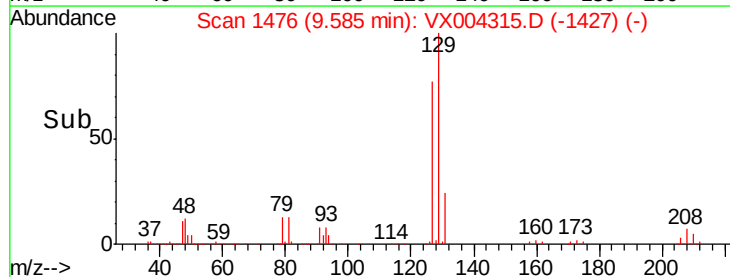
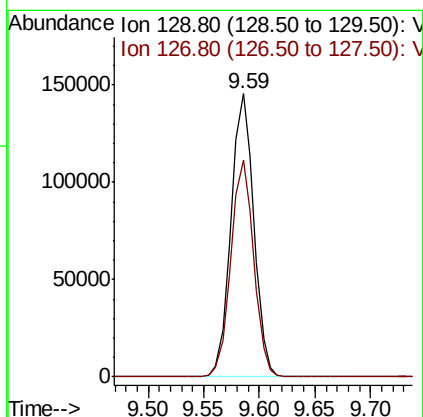
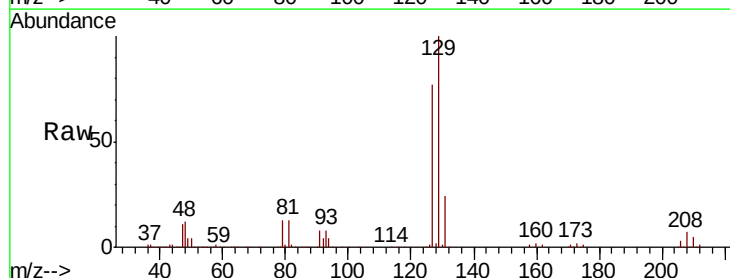
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

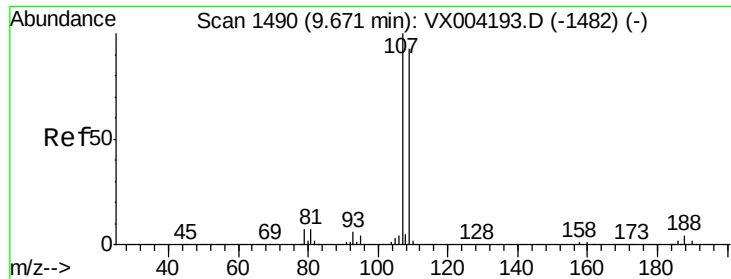
Tot Ion: 43 Resp: 1148366
Ion Ratio Lower Upper
43 100
58 58.2 29.0 87.0



#60
Dibromochloromethane
Concen: 56.16 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

Tgt Ion: 129 Resp: 206610
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 54.15 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

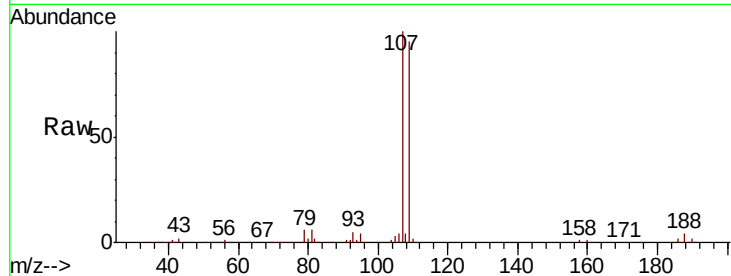
VSTDCCC050EC

Tot Ion:107 Resp: 211603

Ion Ratio Lower Upper

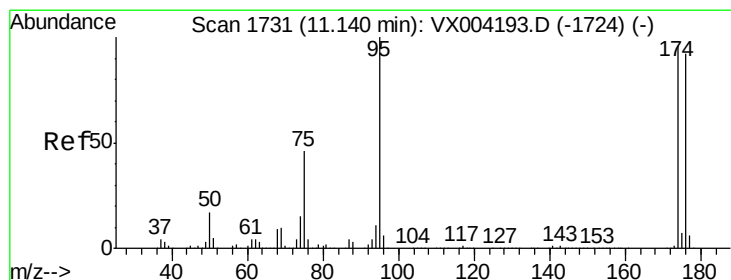
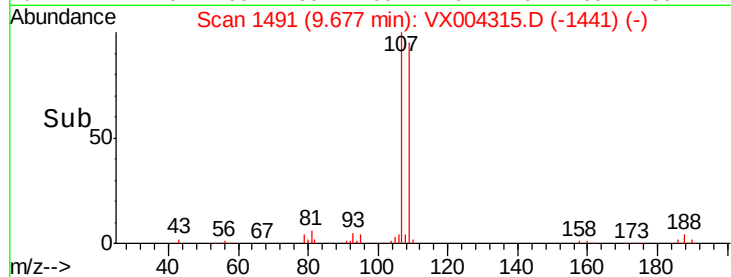
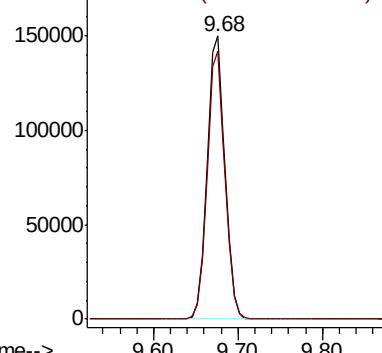
107 100

109 94.6 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

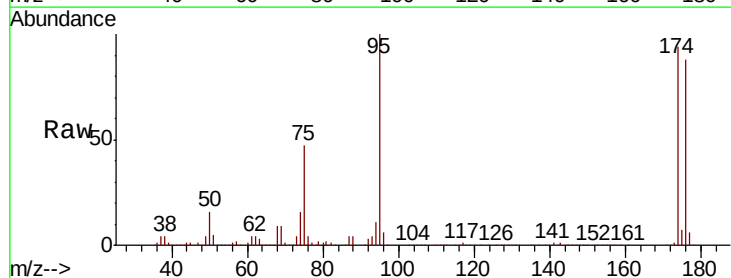
Tgt Ion: 95 Resp: 240205

Ion Ratio Lower Upper

95 100

174 92.2 0.0 185.2

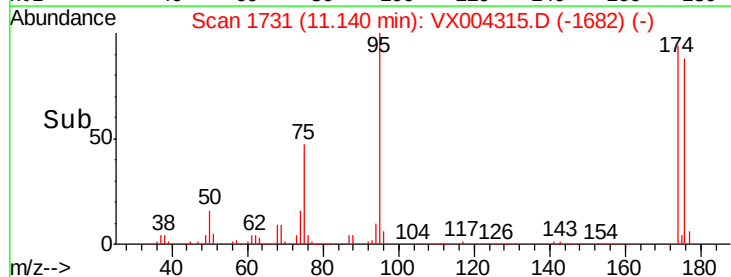
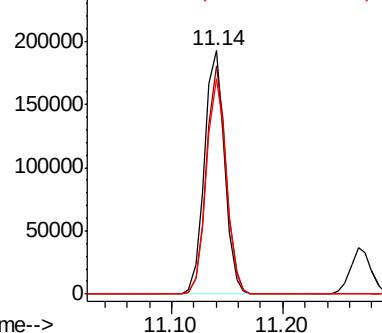
176 88.3 0.0 178.6

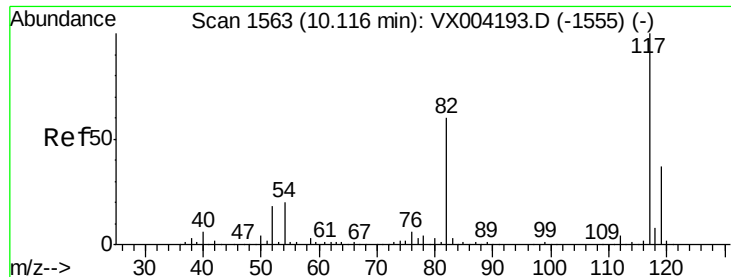


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

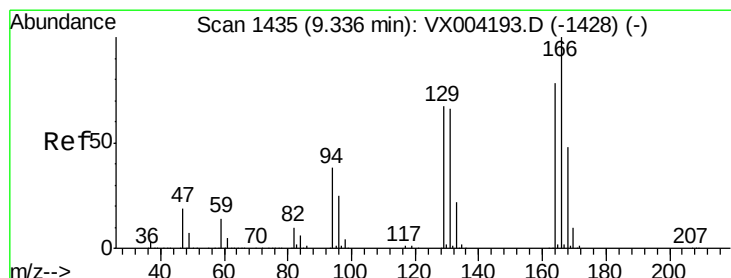
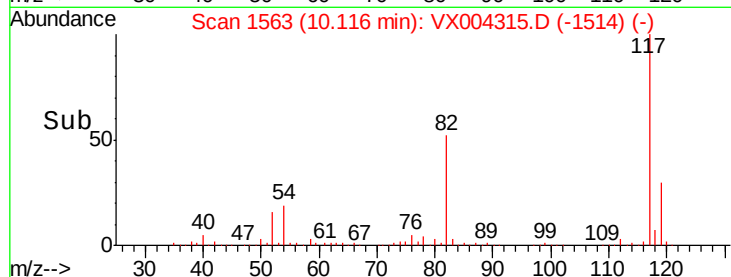
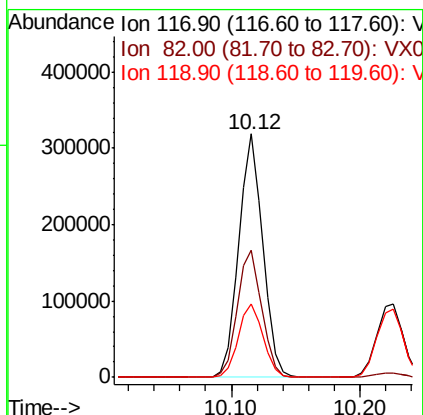
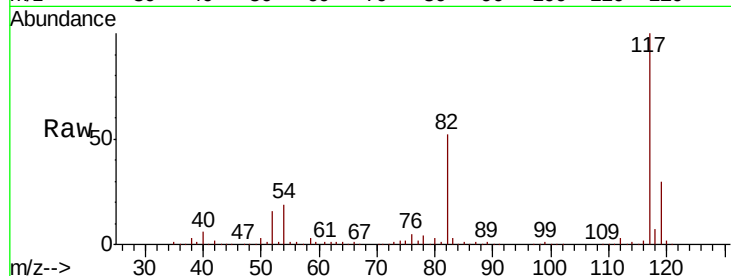




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

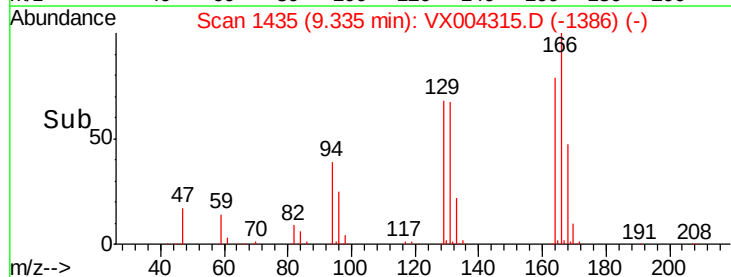
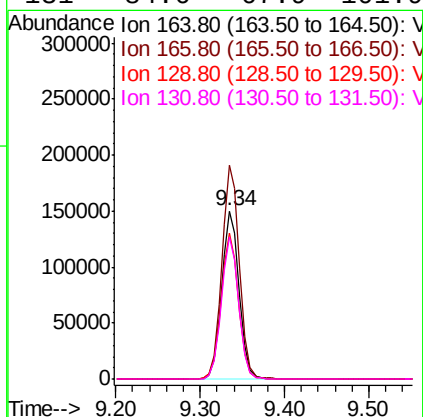
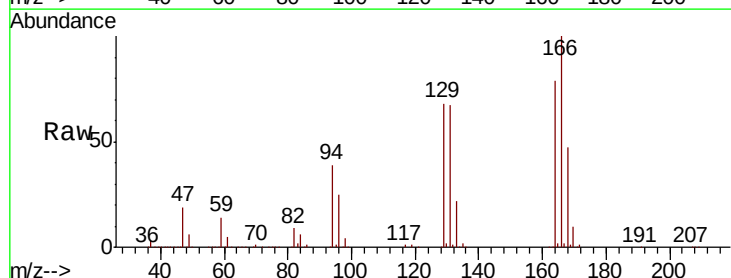
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

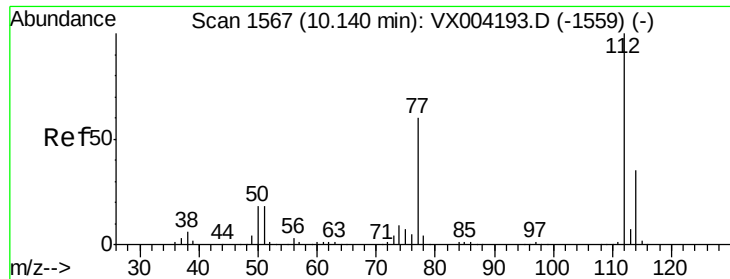
Tot Ion:117 Resp: 411886
Ion Ratio Lower Upper
117 100
82 52.1 47.8 71.6
119 30.3 29.3 43.9



#64
Tetrachloroethene
Concen: 52.34 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

Tgt Ion:164 Resp: 212948
Ion Ratio Lower Upper
164 100
166 127.1 102.8 154.2
129 86.8 69.4 104.0
131 84.6 67.9 101.9

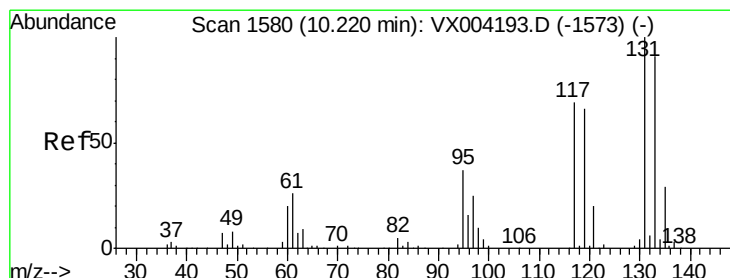
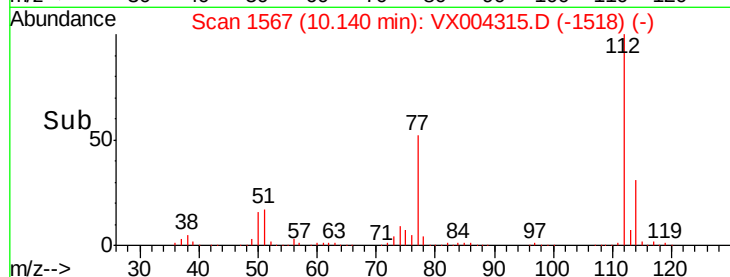
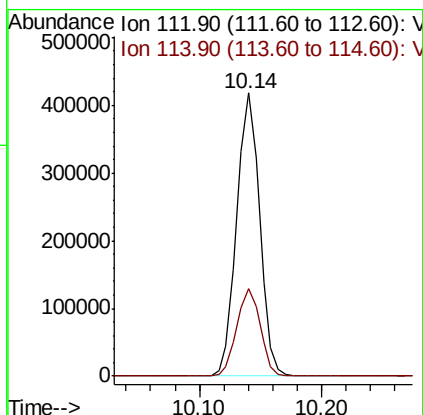
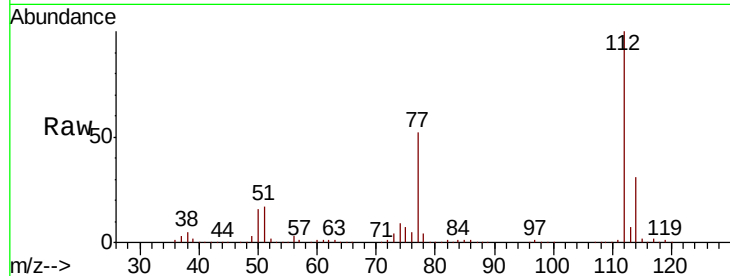




#65
Chlorobenzene
Concen: 52.28 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

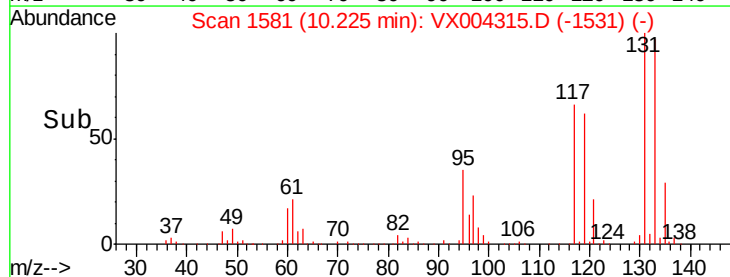
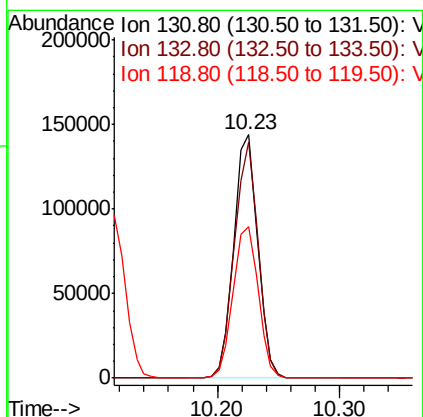
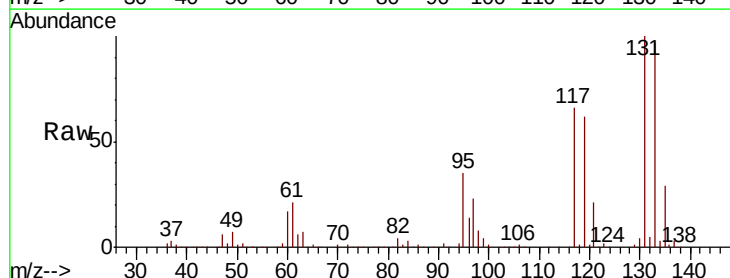
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

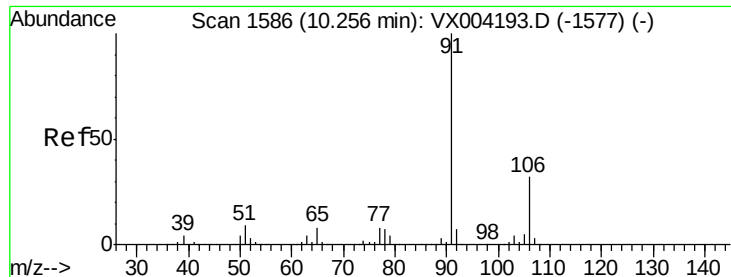
Tot Ion:112 Resp: 540475
Ion Ratio Lower Upper
112 100
114 31.1 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.46 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

Tgt Ion:131 Resp: 194187
Ion Ratio Lower Upper
131 100
133 95.6 48.1 144.4
119 65.5 32.9 98.6





#67

Ethyl Benzene

Concen: 52.15 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

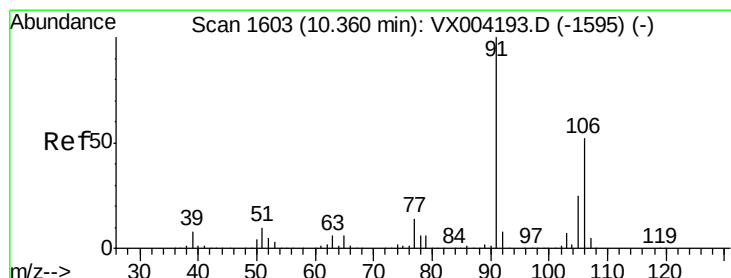
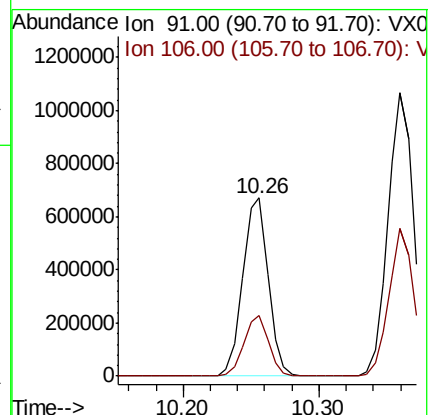
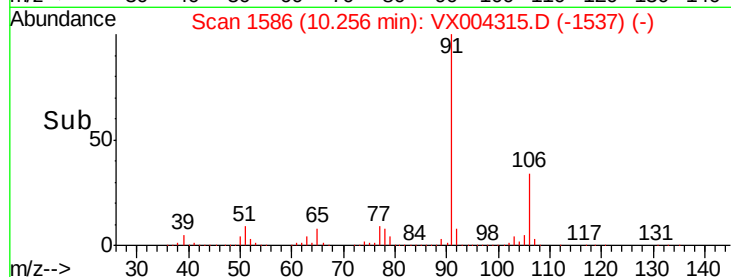
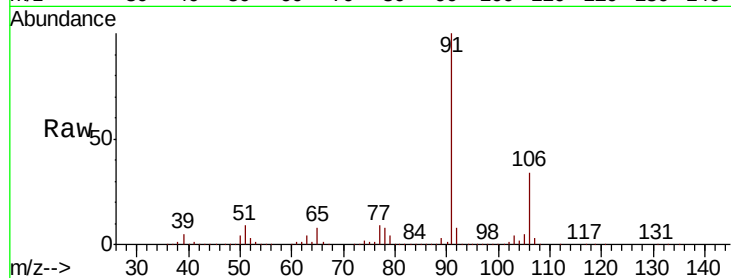
VSTDCCC050EC

Tot Ion: 91 Resp: 875418

Ion Ratio Lower Upper

91 100

106 33.9 25.9 38.9



#68

m/p-Xylenes

Concen: 107.55 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004315.D

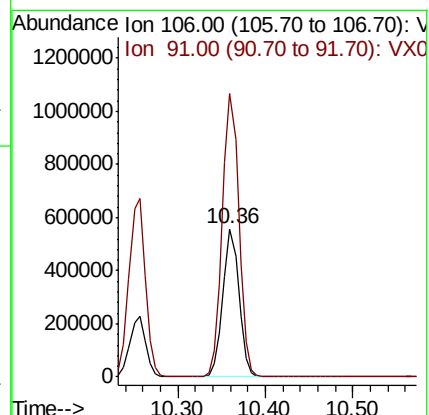
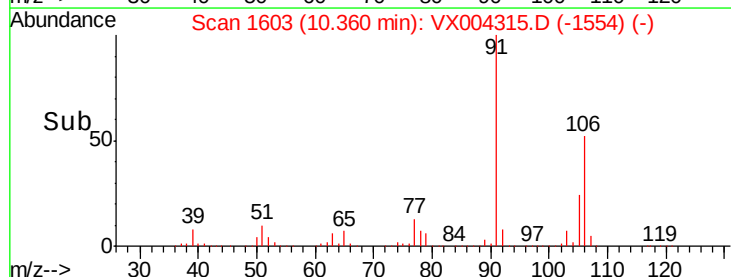
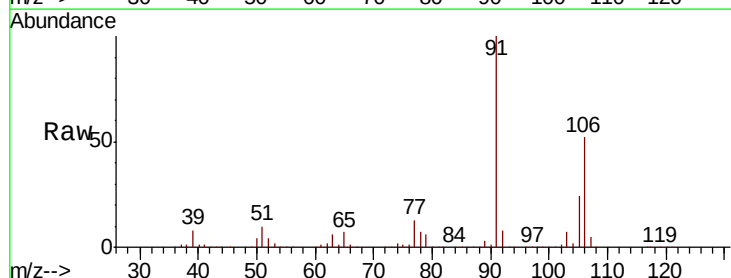
Acq: 30 Aug 2018 02:04

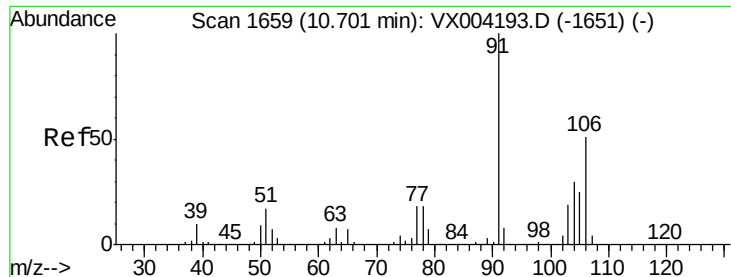
Tgt Ion: 106 Resp: 706013

Ion Ratio Lower Upper

106 100

91 198.0 157.1 235.7

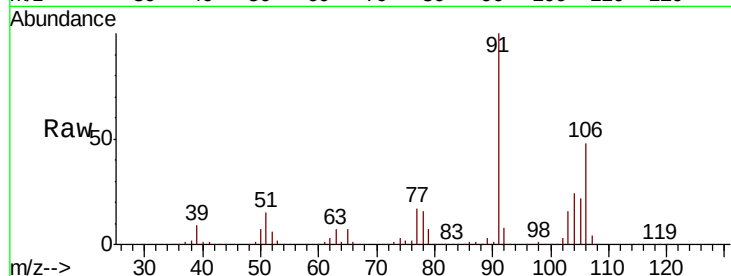




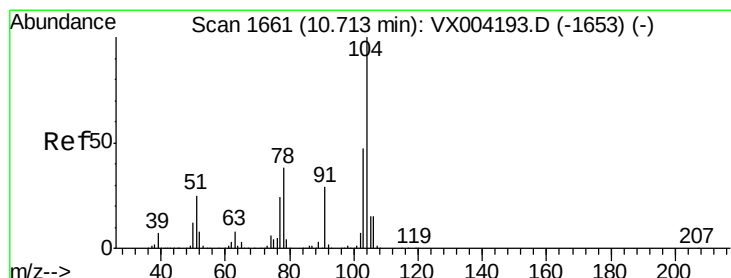
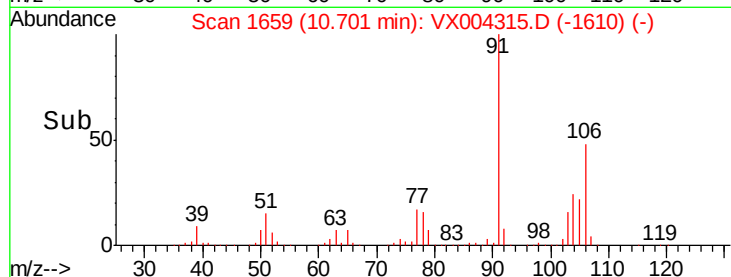
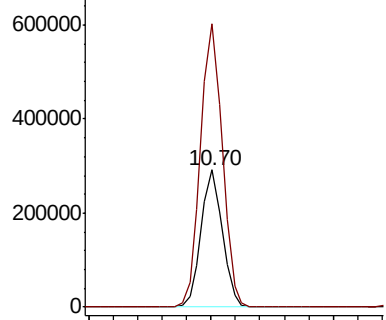
#69
o-Xylene
Concen: 56.36 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 349974
Ion Ratio Lower Upper
106 100
91 211.9 105.1 315.1

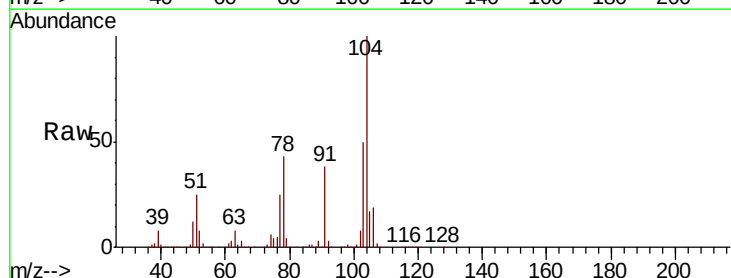


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

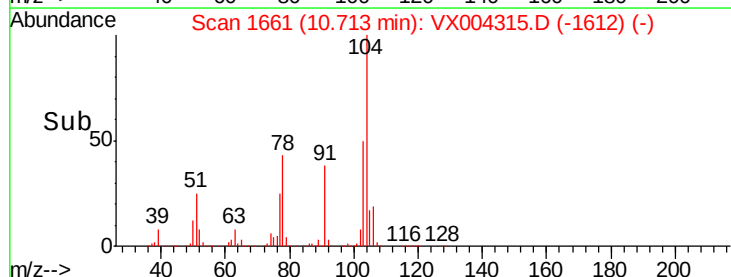
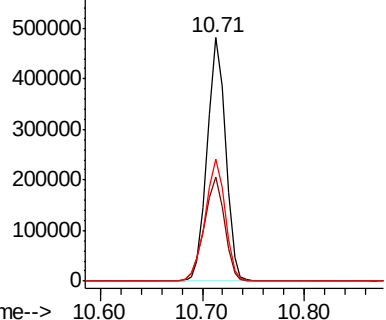


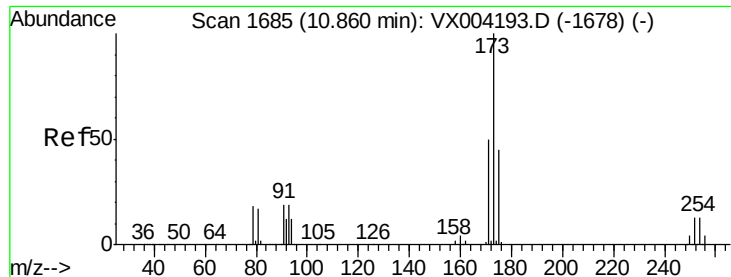
#70
Styrene
Concen: 59.36 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

Tgt Ion:104 Resp: 596768
Ion Ratio Lower Upper
104 100
78 47.2 37.4 56.0
103 54.4 43.8 65.6



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





#71

Bromoform

Concen: 56.34 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

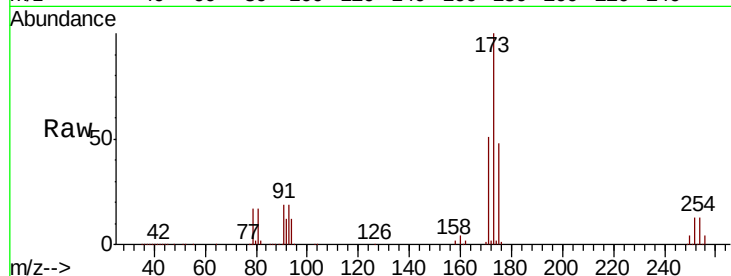
Tot Ion:173 Resp: 161936

Ion Ratio Lower Upper

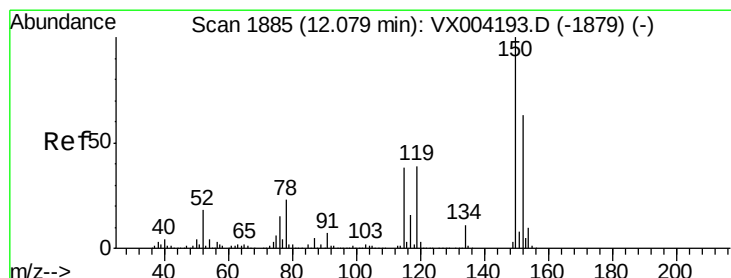
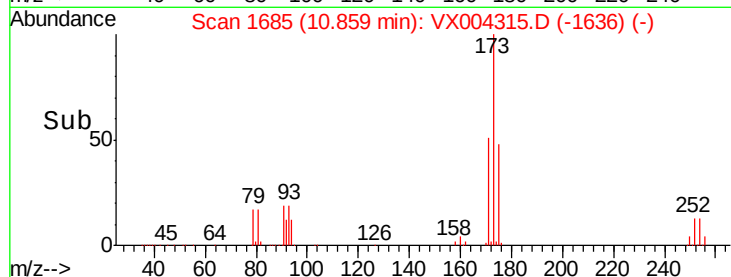
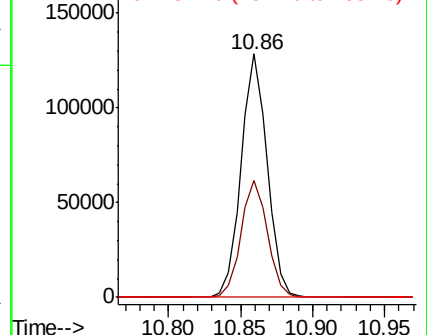
173 100

175 48.8 24.1 72.3

254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

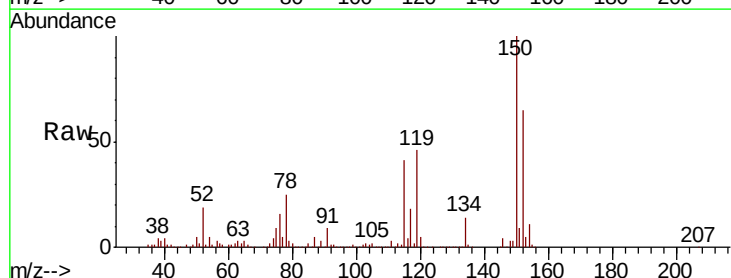
Tgt Ion:152 Resp: 249997

Ion Ratio Lower Upper

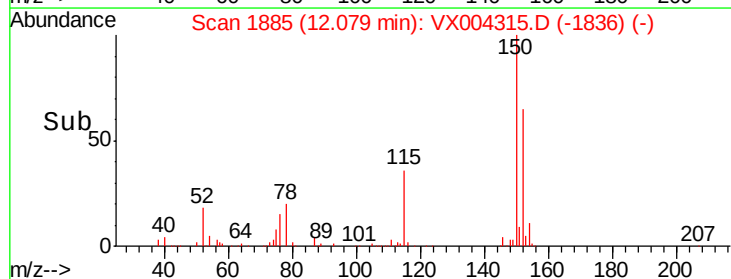
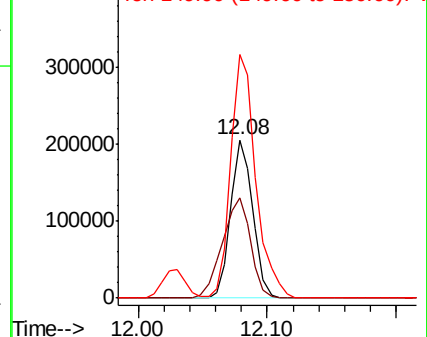
152 100

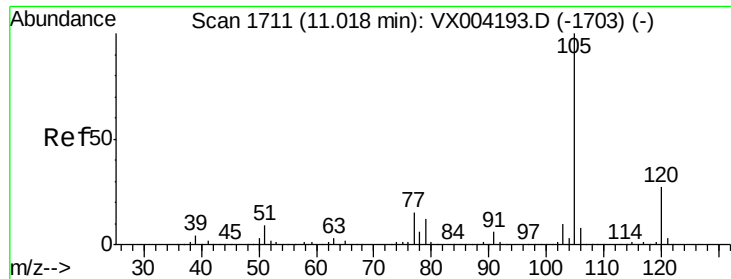
115 79.9 39.0 117.0

150 174.5 0.0 351.0



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: 57.65 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

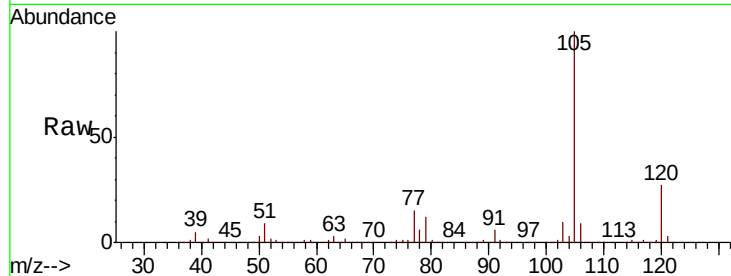
VSTDCCC050EC

Tot Ion:105 Resp: 946569

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

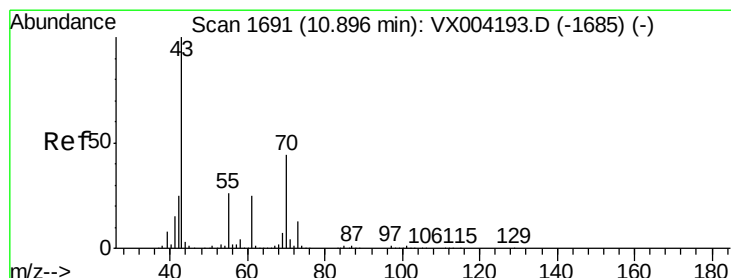
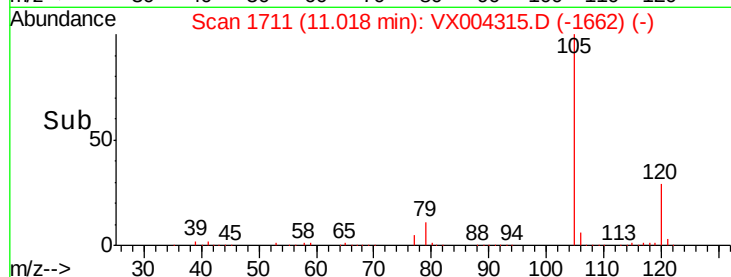
400000

200000

0

11.02

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 59.51 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Tgt Ion: 43 Resp: 376249

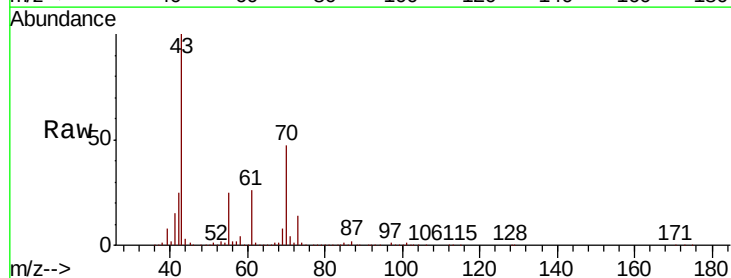
Ion Ratio Lower Upper

43 100

70 46.7 37.4 56.0

55 26.9 21.8 32.8

61 25.9 20.6 30.8



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

500000

400000

300000

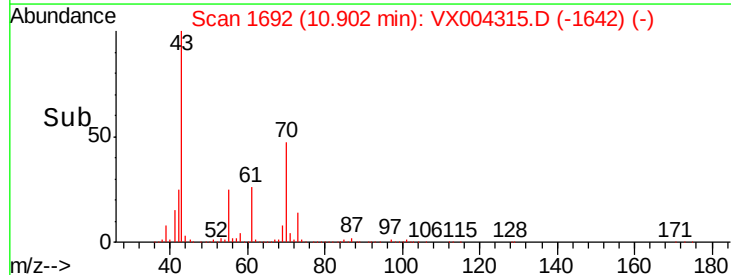
200000

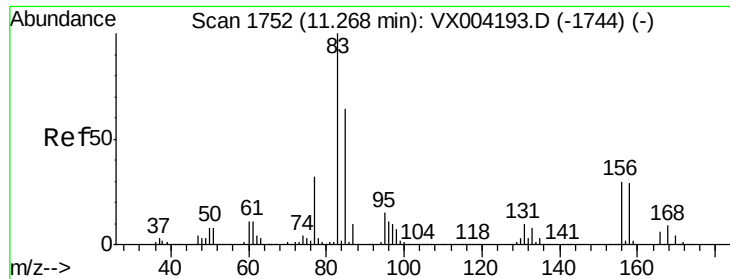
100000

0

10.90

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 55.68 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

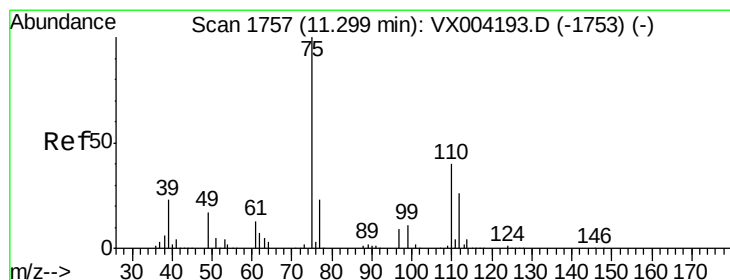
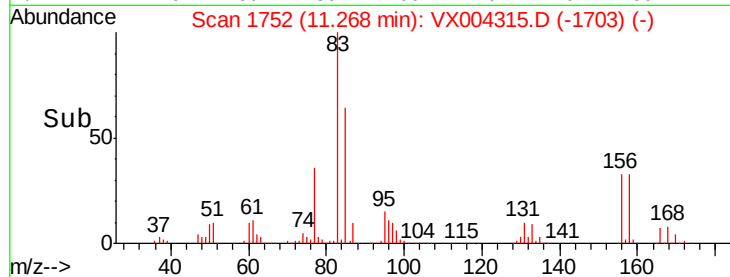
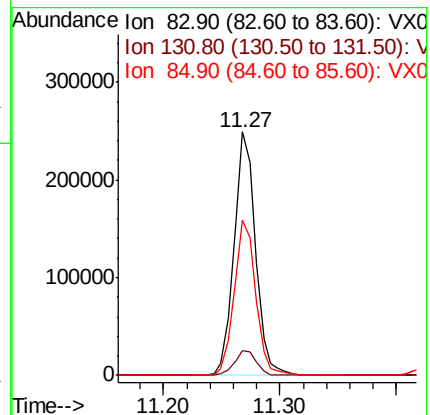
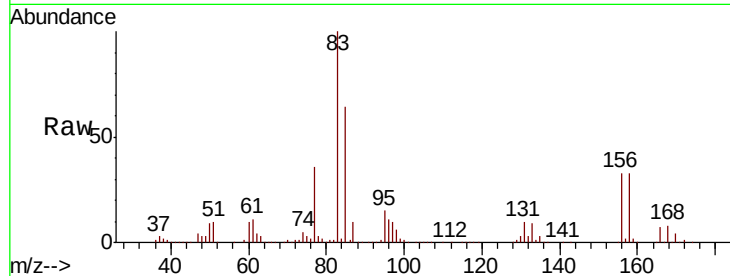
Tot Ion: 83 Resp: 319952

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

85 64.2 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 68.06 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004315.D

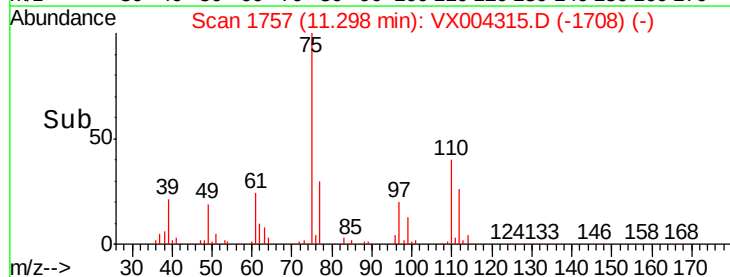
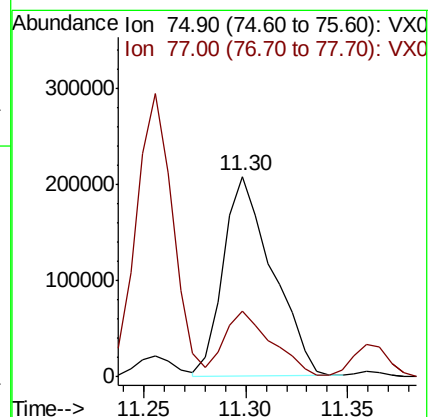
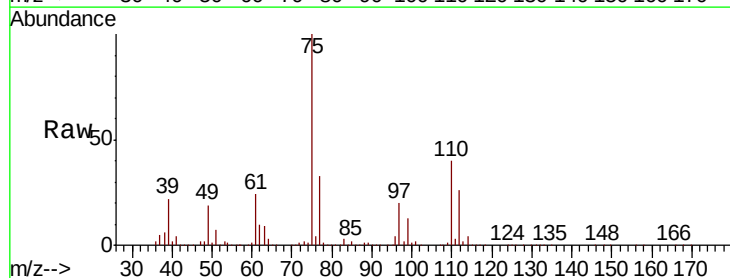
Acq: 30 Aug 2018 02:04

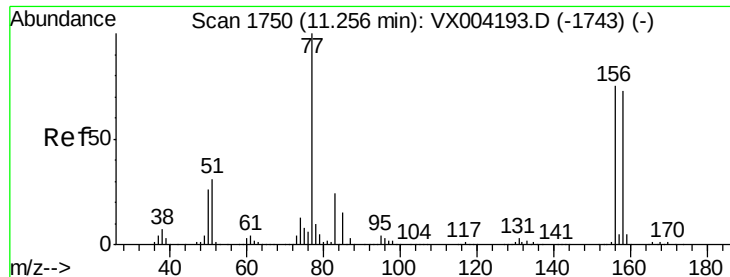
Tgt Ion: 75 Resp: 346051

Ion Ratio Lower Upper

75 100

77 32.3 20.2 60.6





#77

Bromobenzene

Concen: 55.24 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

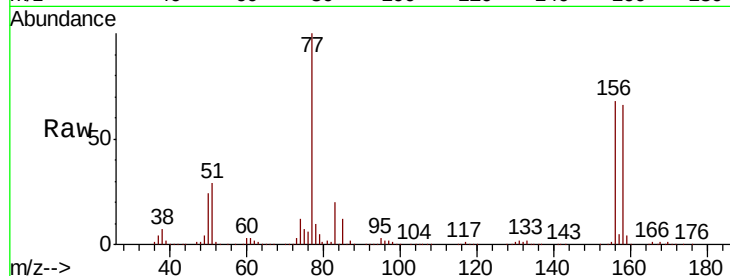
Tot Ion:156 Resp: 254446

Ion Ratio Lower Upper

156 100

77 144.8 71.5 214.3

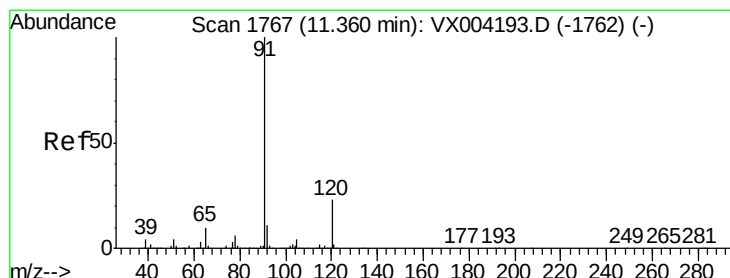
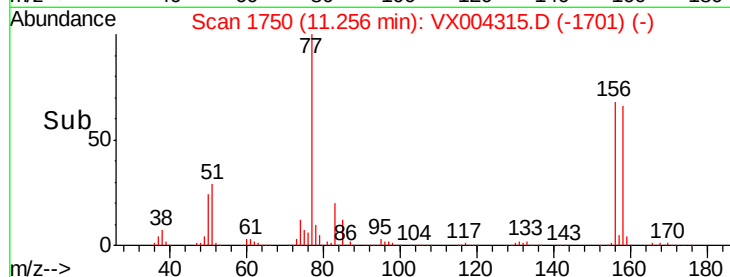
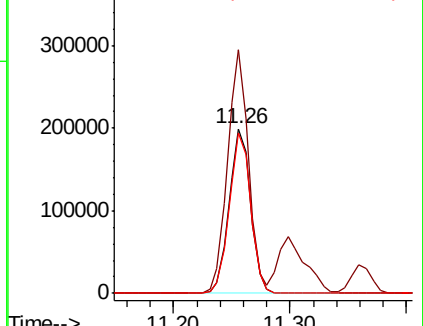
158 97.4 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.44 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004315.D

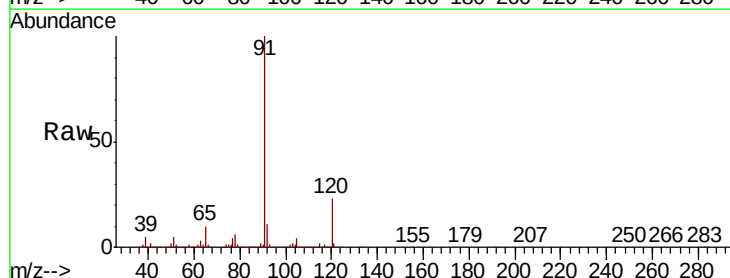
Acq: 30 Aug 2018 02:04

Tgt Ion: 91 Resp: 1084683

Ion Ratio Lower Upper

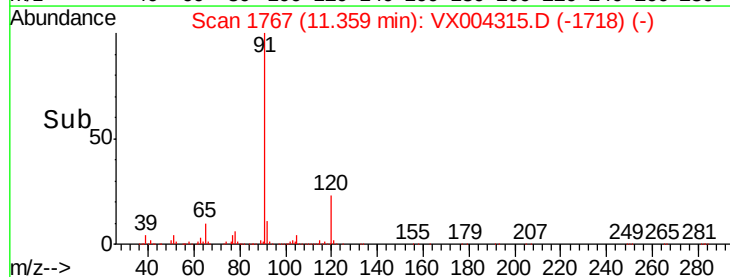
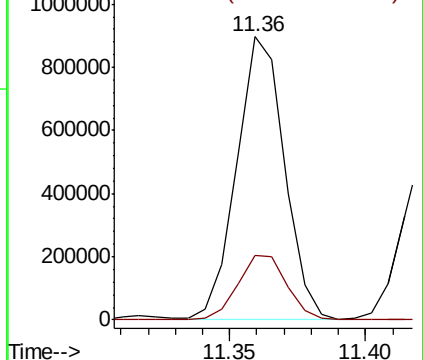
91 100

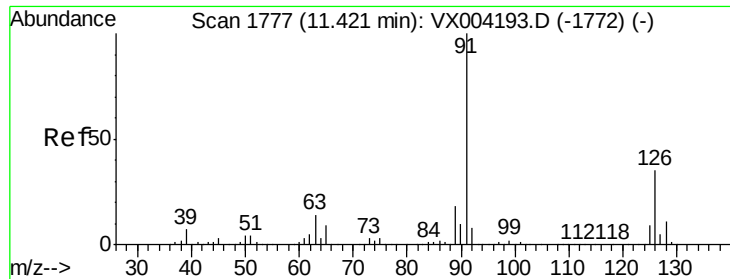
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.25 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

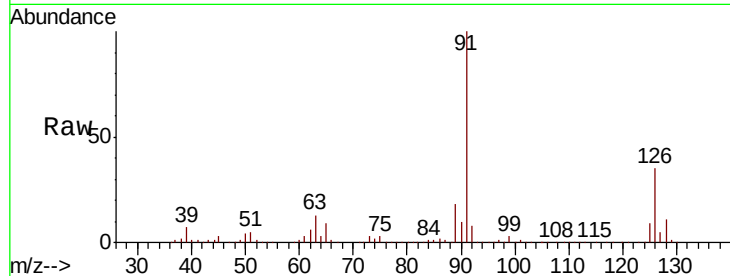
VSTDCCC050EC

Tot Ion: 91 Resp: 642258

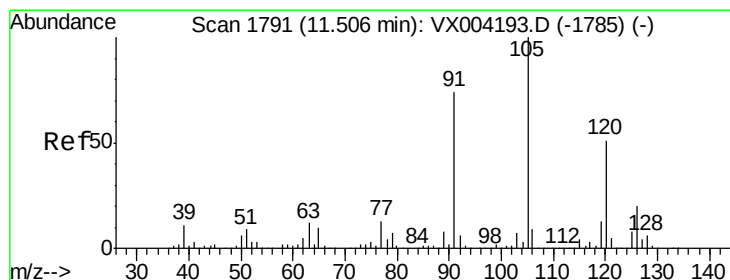
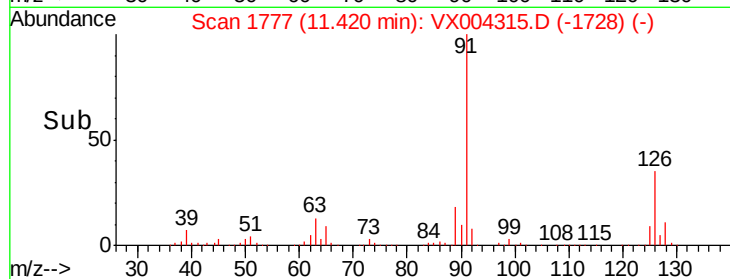
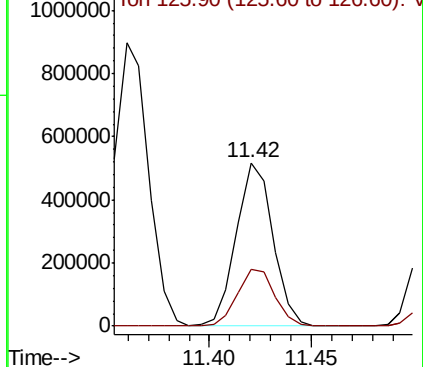
Ion Ratio Lower Upper

91 100

126 35.6 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1772) (-)



#80

1,3,5-Trimethylbenzene

Concen: 58.22 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004315.D

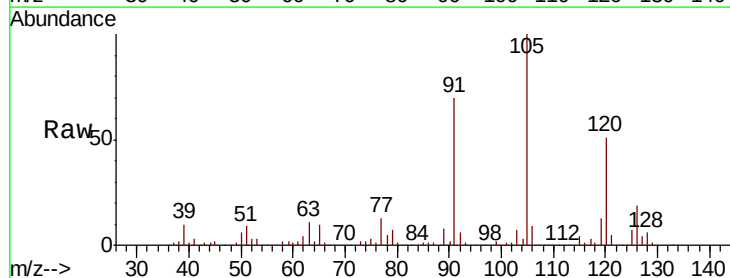
Acq: 30 Aug 2018 02:04

Tgt Ion:105 Resp: 791627

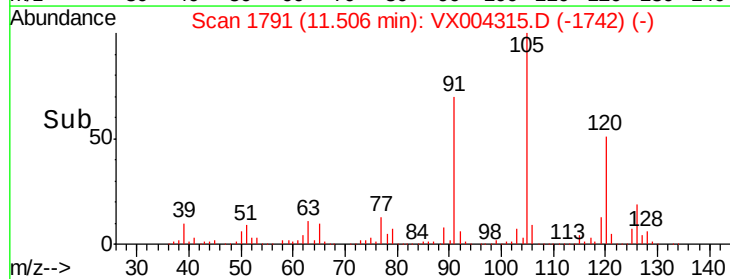
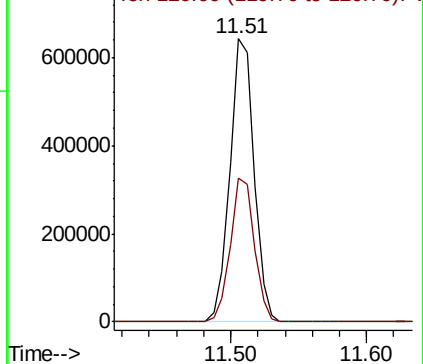
Ion Ratio Lower Upper

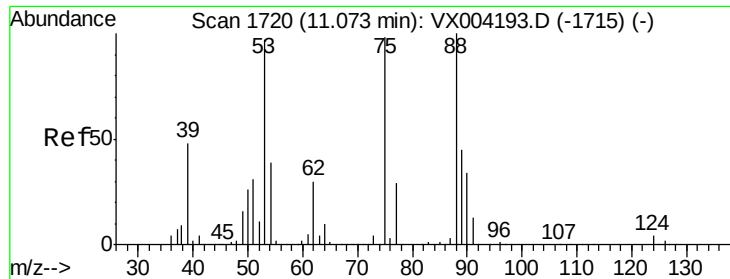
105 100

120 50.6 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004193.D (-1785) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.50 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

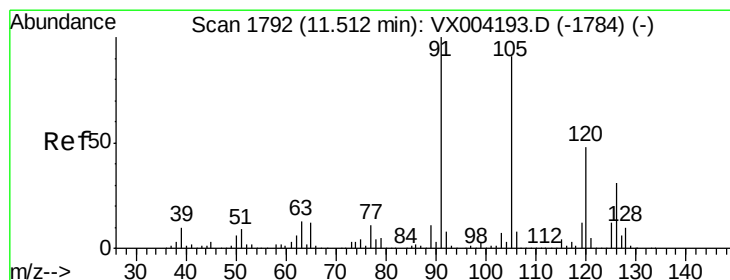
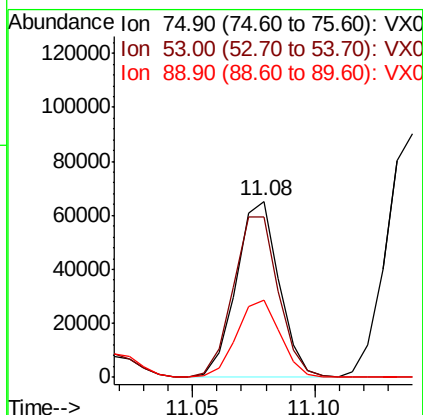
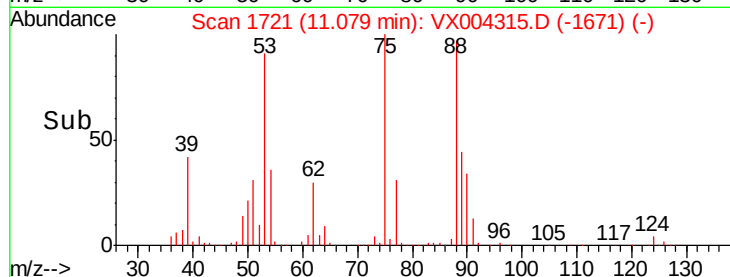
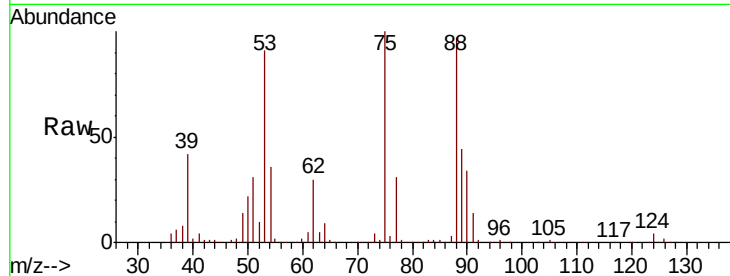
Tot Ion: 75 Resp: 79142

Ion Ratio Lower Upper

75 100

53 96.6 80.1 120.1

89 44.9 37.2 55.8



#82

4-Chlorotoluene

Concen: 54.54 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004315.D

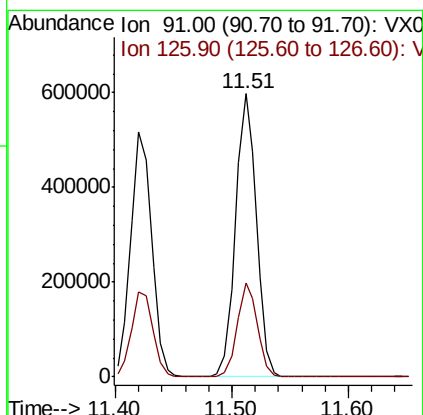
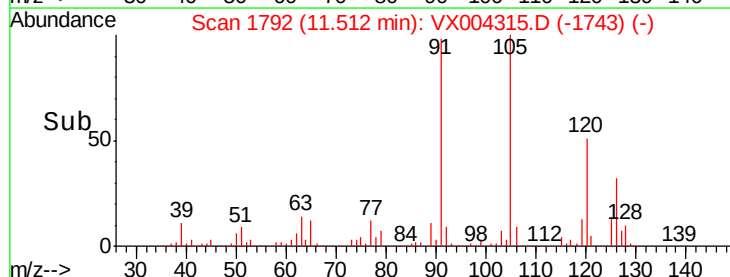
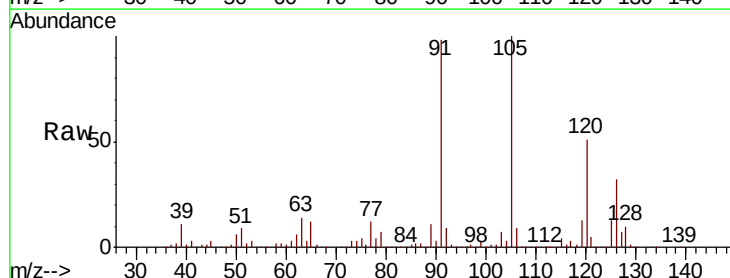
Acq: 30 Aug 2018 02:04

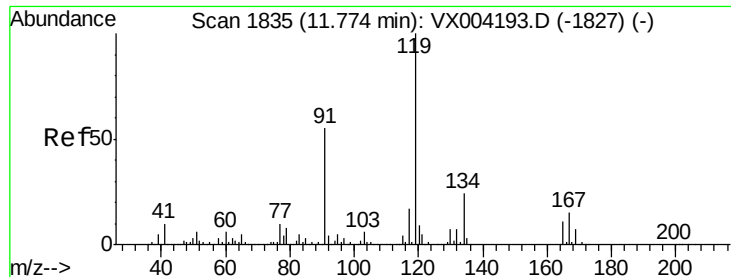
Tgt Ion: 91 Resp: 746051

Ion Ratio Lower Upper

91 100

126 31.8 15.5 46.5

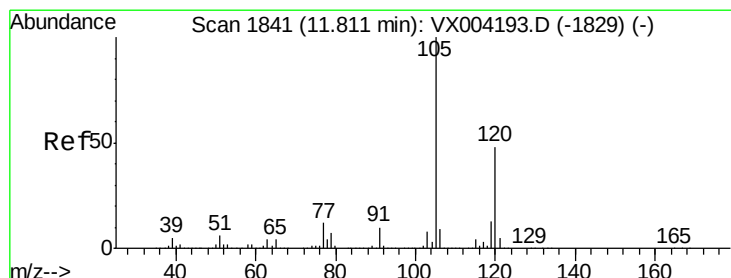
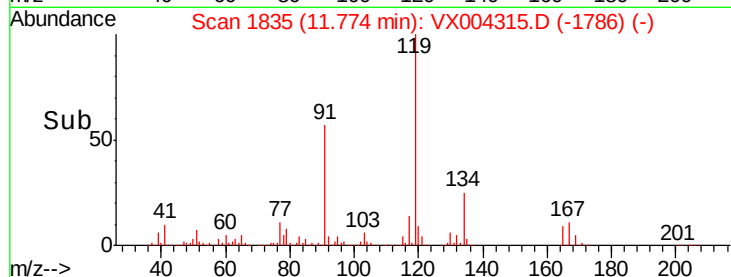
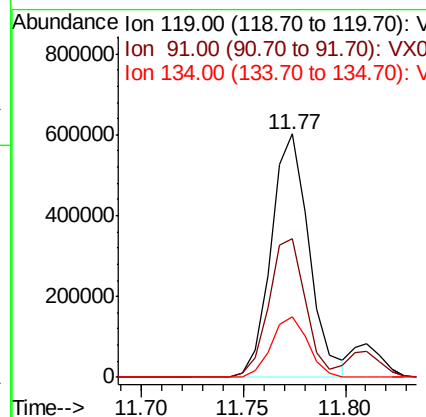
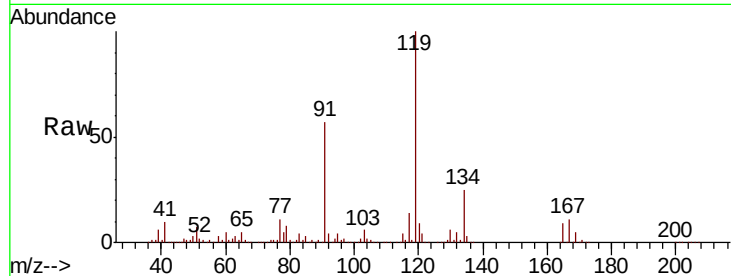




#83
 tert-Butylbenzene
 Concen: 57.04 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

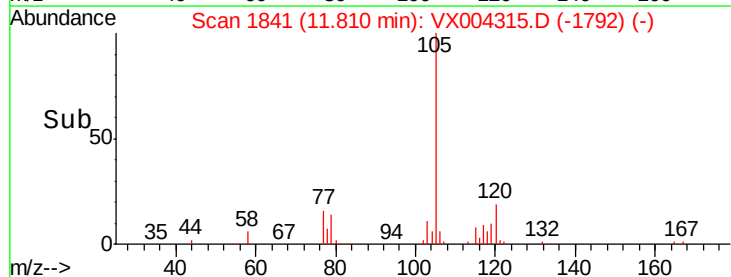
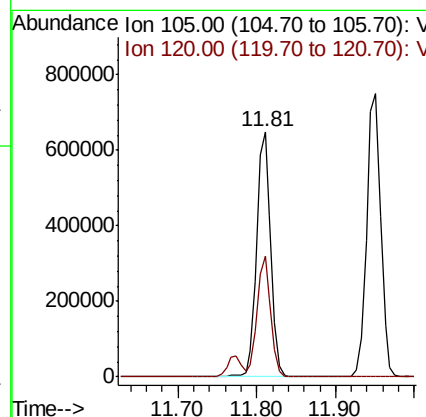
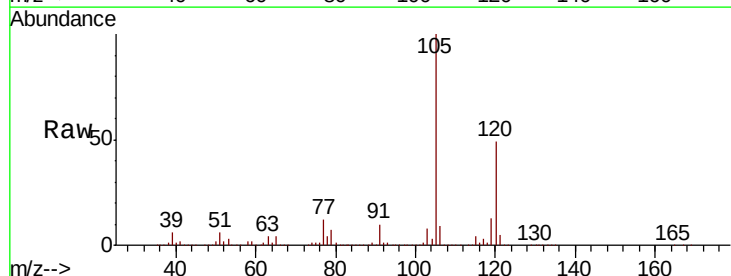
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

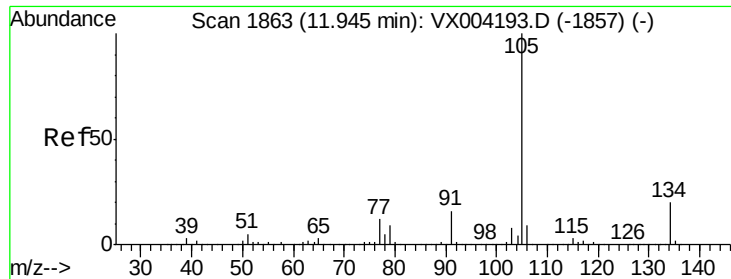
Tot Ion:119 Resp: 780331
 Ion Ratio Lower Upper
 119 100
 91 54.9 27.0 81.0
 134 24.3 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 57.58 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

Tgt Ion:105 Resp: 803736
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.2 69.6





#85

sec-Butylbenzene

Concen: 56.96 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

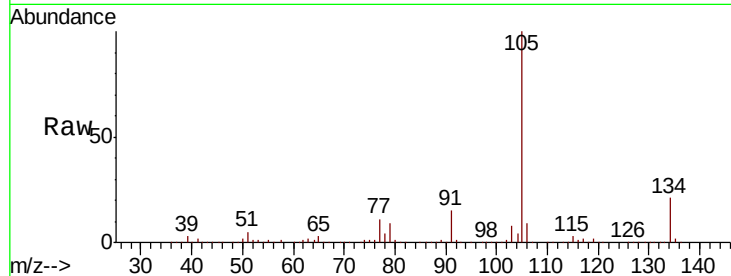
VSTDCCC050EC

Tot Ion:105 Resp: 925113

Ion Ratio Lower Upper

105 100

134 20.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

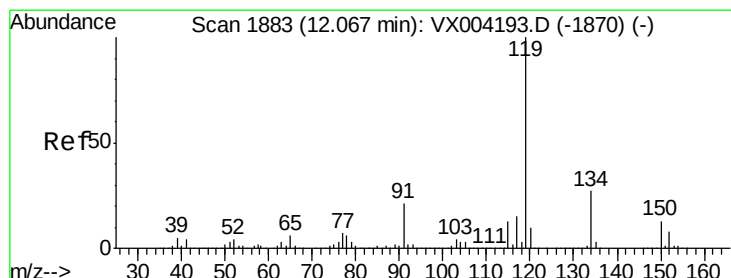
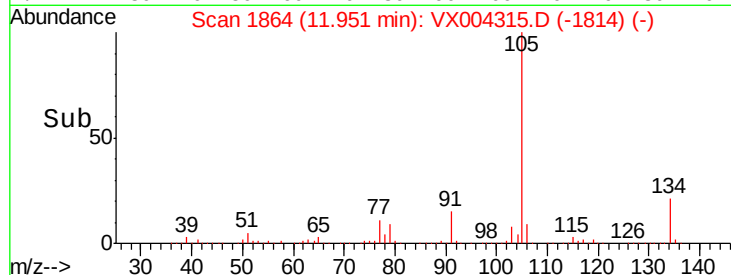
400000

200000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 56.34 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

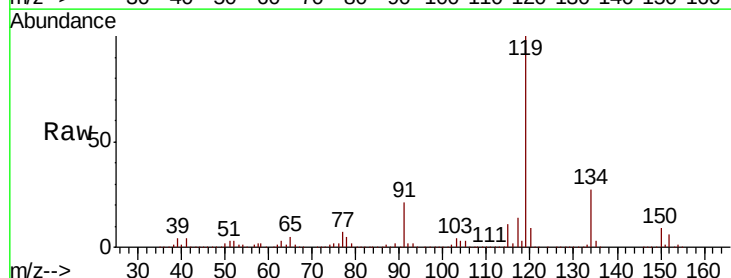
Tgt Ion:119 Resp: 820044

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.2

91 22.1 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

1000000

800000

600000

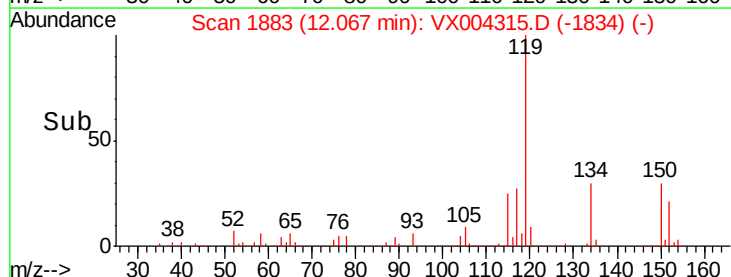
400000

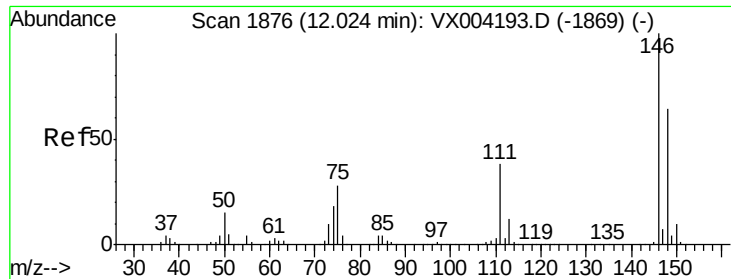
200000

0

12.00 12.07 12.10

Time-->

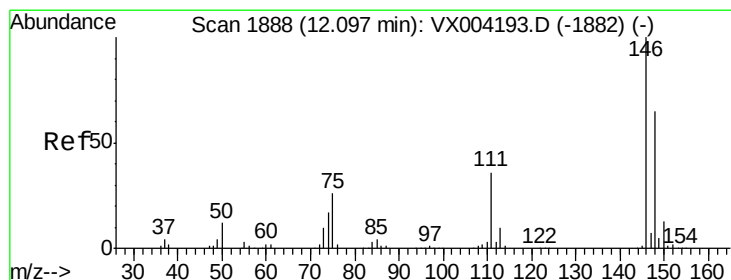
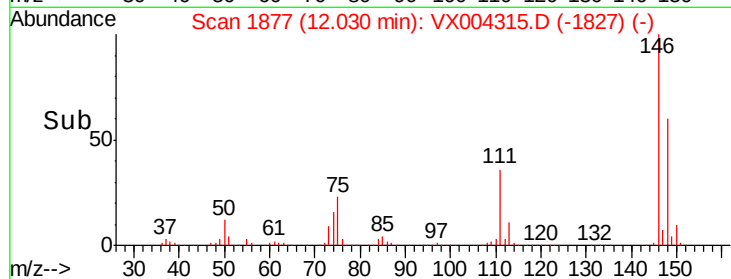
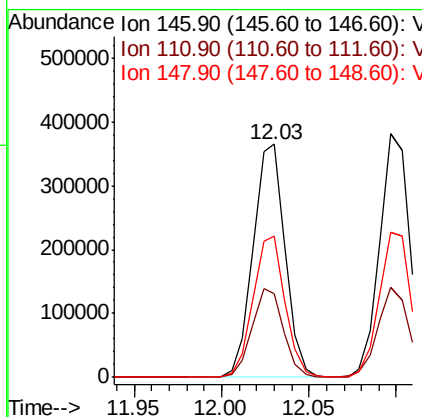
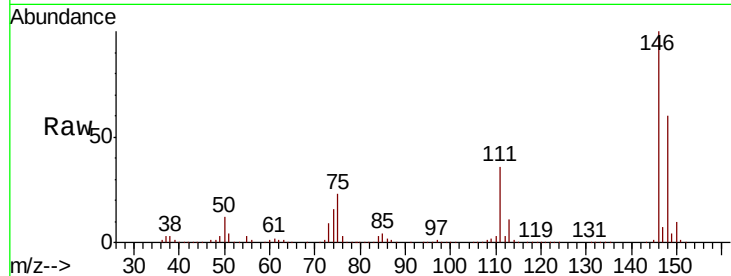




#87
 1,3-Dichlorobenzene
 Concen: 53.86 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

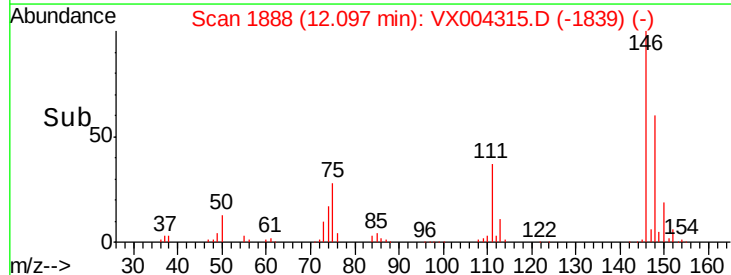
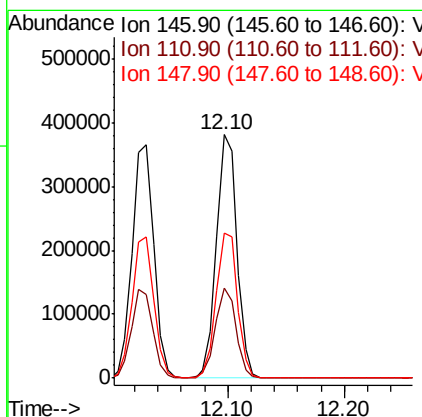
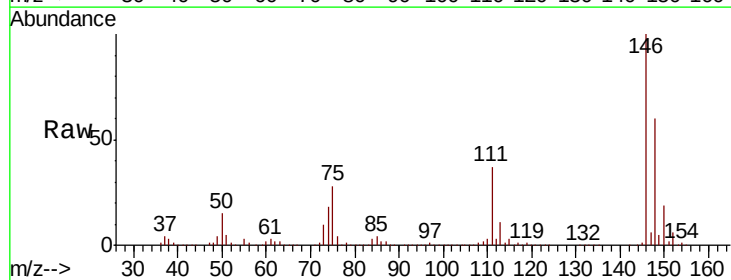
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

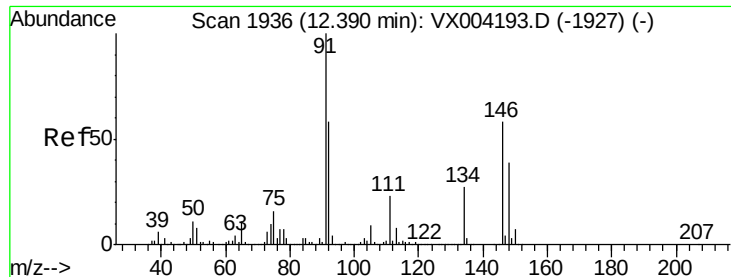
Tot Ion:146 Resp: 467108
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.7 56.1
 148 60.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 50.49 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

Tgt Ion:146 Resp: 461689
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.1 54.1
 148 61.8 32.0 96.0

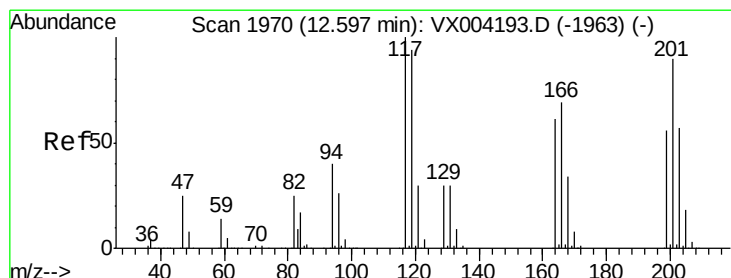
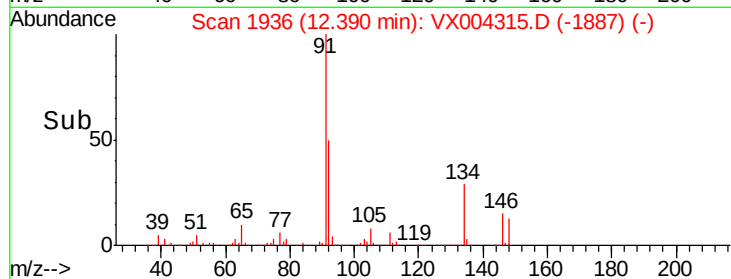
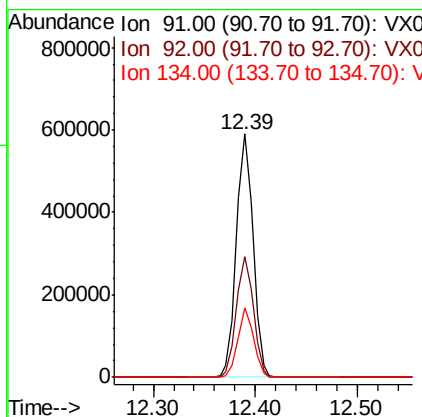
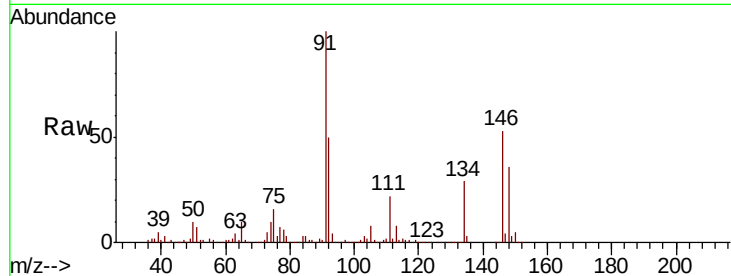




#89
n-Butylbenzene
Concen: 55.97 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

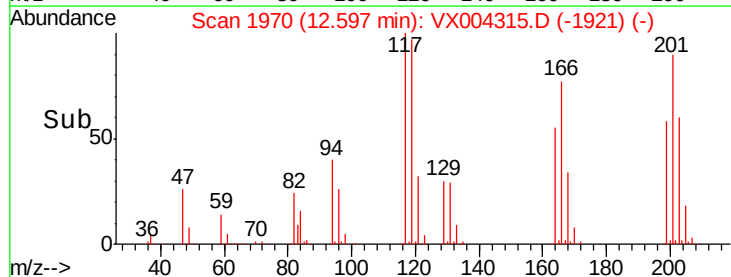
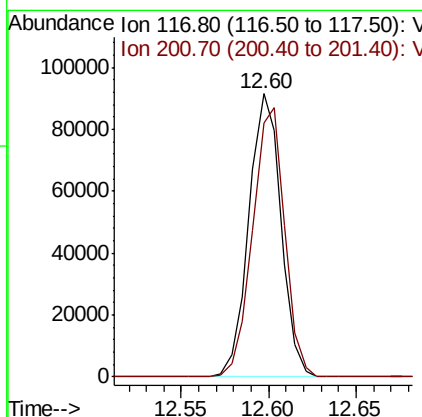
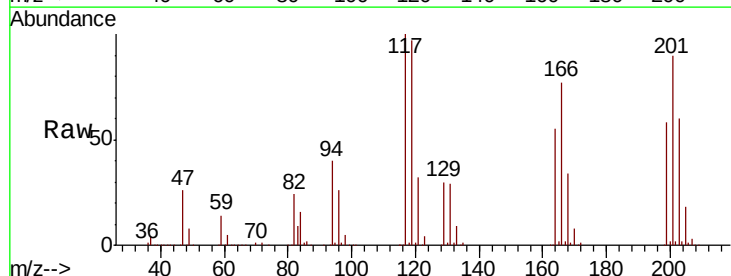
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

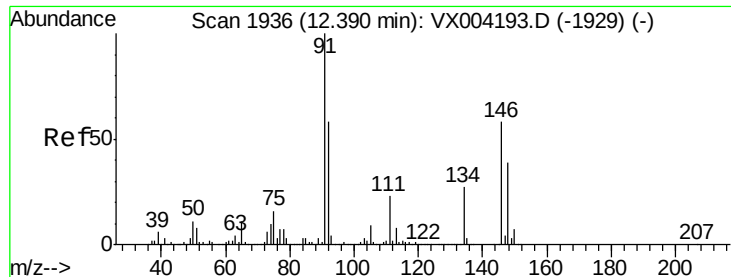
Tot Ion: 91 Resp: 662533
Ion Ratio Lower Upper
91 100
92 50.4 27.3 81.9
134 26.9 13.6 40.7



#90
Hexachloroethane
Concen: 57.70 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004315.D
Acq: 30 Aug 2018 02:04

Tgt Ion: 117 Resp: 117389
Ion Ratio Lower Upper
117 100
201 95.3 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 55.07 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

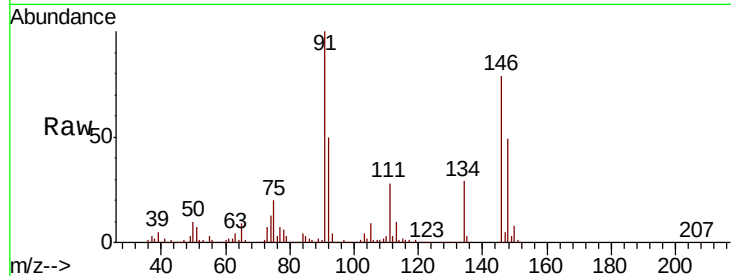
Tot Ion:146 Resp: 436463

Ion Ratio Lower Upper

146 100

111 37.3 19.4 58.1

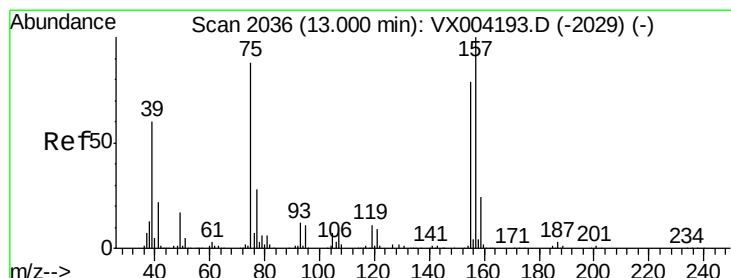
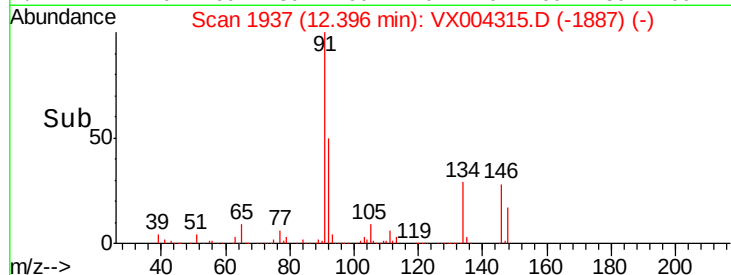
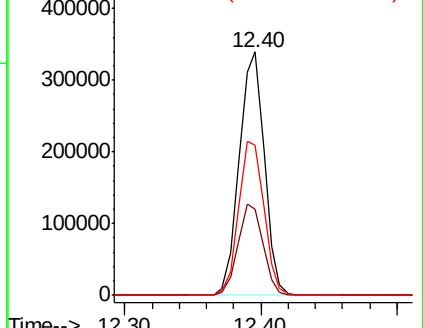
148 64.1 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.81 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

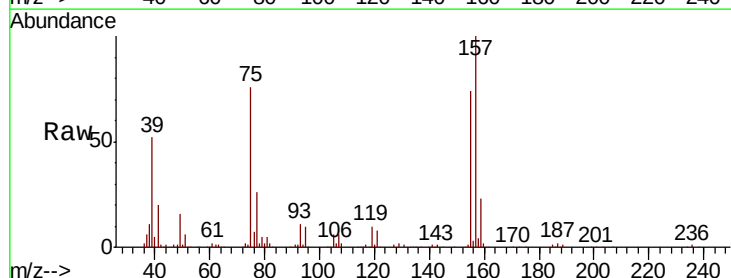
Tgt Ion: 75 Resp: 57498

Ion Ratio Lower Upper

75 100

155 99.4 48.0 144.2

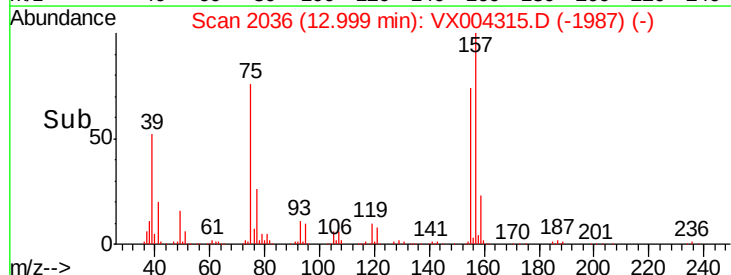
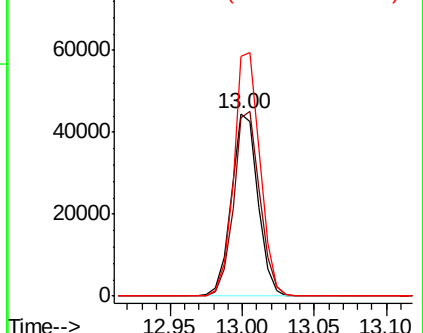
157 131.7 61.4 184.1

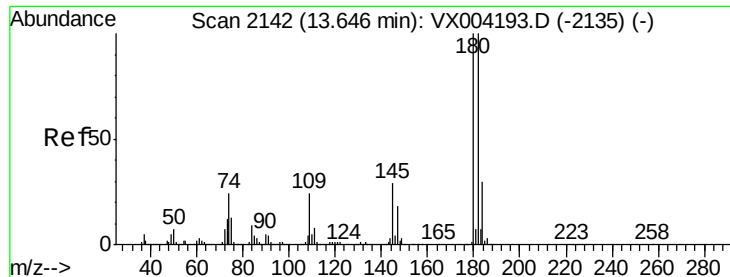


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

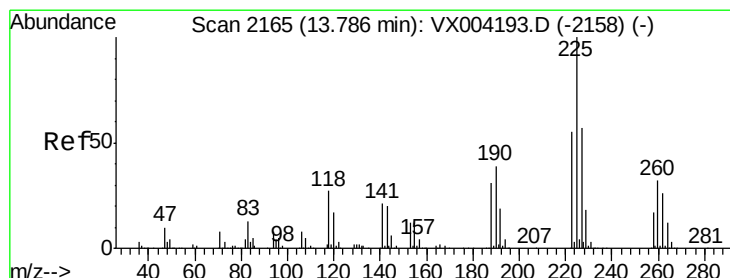
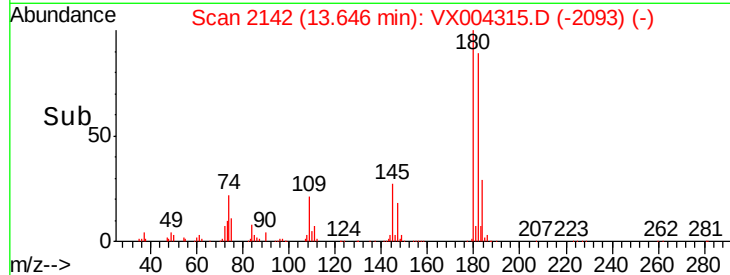
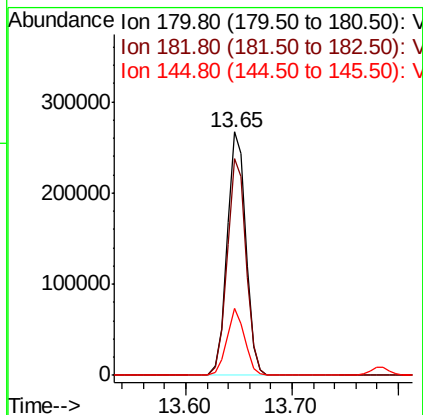
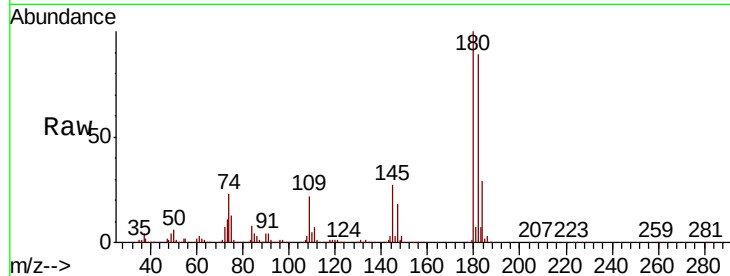




#93
 1,2,4-Trichlorobenzene
 Concen: 56.98 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

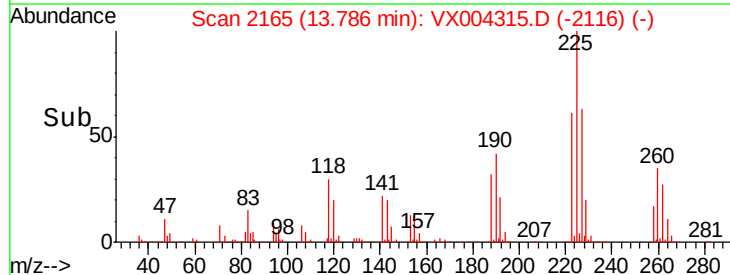
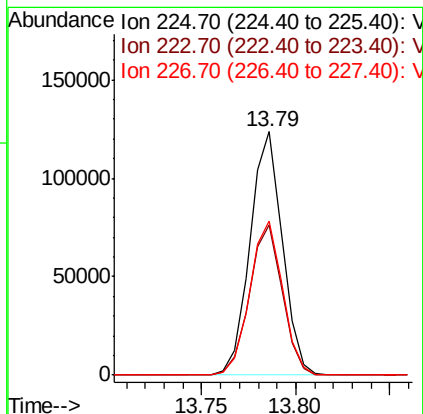
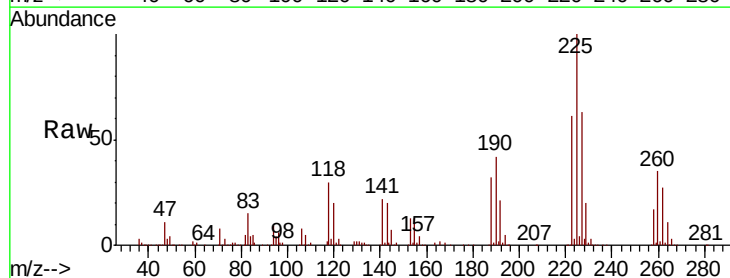
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

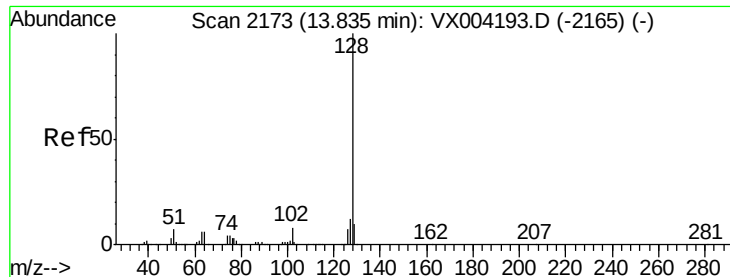
Tot Ion	Ratio	Lower	Upper
180	100		
182	89.6	48.4	145.0
145	26.3	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 54.75 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004315.D
 Acq: 30 Aug 2018 02:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.1	90.5
227	64.2	30.8	92.4





#95

Naphthalene

Concen: 64.74 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

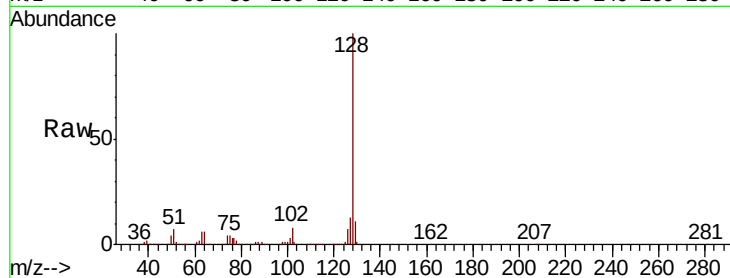
Tot Ion:128 Resp: 1056004

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

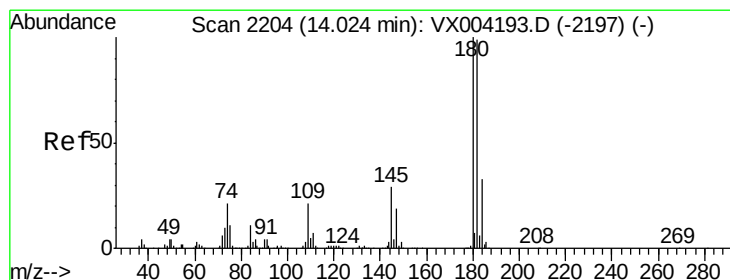
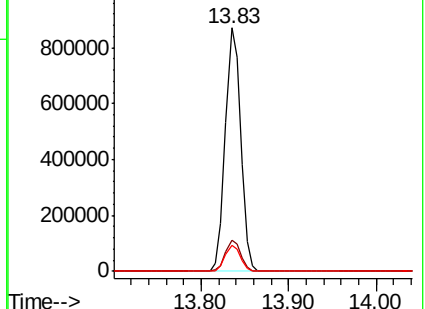
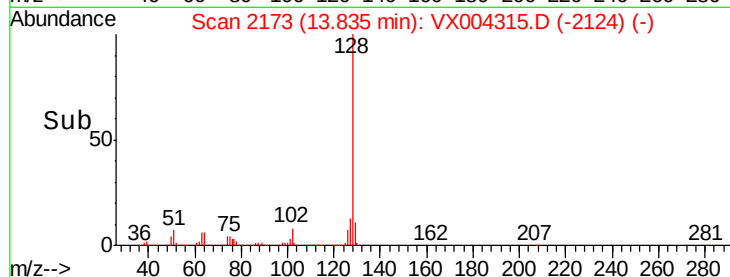
129 10.8 8.6 12.8



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: 56.51 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004315.D

Acq: 30 Aug 2018 02:04

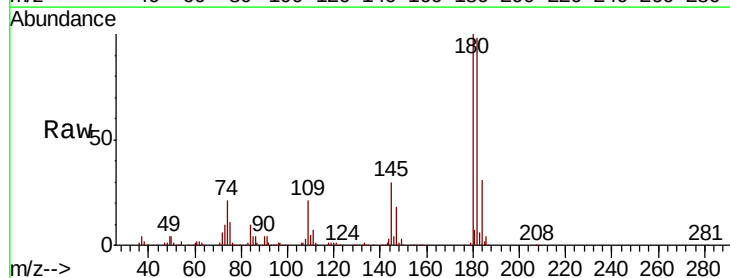
Tgt Ion:180 Resp: 344955

Ion Ratio Lower Upper

180 100

182 97.0 48.5 145.6

145 29.8 14.9 44.9



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

