

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072018\
 Data File : VX003518.D
 Acq On : 20 Jul 2018 19:11
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 20 23:20:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	288323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	413485	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	393625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	239018	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	185239	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	
35) Dibromofluoromethane	5.51	113	164287	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	8.72	98	625987	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
62) 4-Bromofluorobenzene	11.14	95	228929	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	123301	53.92	ug/l	97
3) Chloromethane	1.32	50	161968	57.26	ug/l	99
4) Vinyl Chloride	1.40	62	177714	48.52	ug/l	99
5) Bromomethane	1.64	94	80272	55.36	ug/l	99
6) Chloroethane	1.71	64	113772	52.49	ug/l	99
7) Trichlorofluoromethane	1.92	101	249001	50.96	ug/l	98
8) Diethyl Ether	2.19	74	108668	51.78	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	157491	49.24	ug/l	98
10) Methyl Iodide	2.51	142	205330	53.44	ug/l	93
11) Tert butyl alcohol	3.08	59	191733	283.90	ug/l	99
12) 1,1-Dichloroethene	2.37	96	149939	50.92	ug/l	88
13) Acrolein	2.29	56	72347	237.09	ug/l	99
14) Allyl chloride	2.73	41	272951	52.36	ug/l	87
15) Acrylonitrile	3.15	53	468460	272.45	ug/l	97
16) Acetone	2.45	43	359249	278.67	ug/l #	87
17) Carbon Disulfide	2.57	76	401867	50.46	ug/l	98
18) Methyl Acetate	2.78	43	228392	56.20	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	514381	53.49	ug/l	100
20) Methylene Chloride	2.85	84	172826	54.91	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	164401	50.18	ug/l	96
22) Diisopropyl ether	3.88	45	522244	53.24	ug/l	93
23) Vinyl Acetate	3.82	43	2160825	267.43	ug/l	97
24) 1,1-Dichloroethane	3.70	63	304207	52.86	ug/l	99
25) 2-Butanone	4.71	43	603368	278.95	ug/l	91
26) 2,2-Dichloropropane	4.58	77	188407	43.10	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	189441	51.93	ug/l	96
28) Bromochloromethane	5.02	49	134254	53.37	ug/l	88
29) Tetrahydrofuran	5.17	42	407906	285.48	ug/l	93
30) Chloroform	5.22	83	302920	53.90	ug/l	98
31) Cyclohexane	5.57	56	270420	52.59	ug/l #	91
32) 1,1,1-Trichloroethane	5.49	97	261190	54.27	ug/l	98
36) 1,1-Dichloropropene	5.80	75	226353	50.70	ug/l	98
37) Ethyl Acetate	4.87	43	229610	54.35	ug/l #	95
38) Carbon Tetrachloride	5.79	117	233836	53.40	ug/l	87

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	269576	50.98	ug/l	95
40) Benzene	6.15	78	698066	51.79	ug/l	100
41) Methacrylonitrile	5.07	41	132187	53.24	ug/l	92
42) 1,2-Dichloroethane	6.20	62	231191	54.44	ug/l	96
43) Isopropyl Acetate	6.47	43	373687	55.61	ug/l	95
44) Trichloroethene	7.22	130	204086	50.77	ug/l	88
45) 1,2-Dichloropropane	7.52	63	182837	53.42	ug/l	99
46) Dibromomethane	7.67	93	118352	53.71	ug/l	99
47) Bromodichloromethane	7.90	83	220551	54.68	ug/l	97
48) Methyl methacrylate	7.78	41	196142	57.88	ug/l	87
49) 1,4-Dioxane	7.76	88	82981	1080.71	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1251699	294.84	ug/l	93
52) Toluene	8.79	92	446328	52.61	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	266658	53.71	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	241534	54.10	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	177535	52.59	ug/l	98
56) Ethyl methacrylate	9.18	69	266327	56.01	ug/l #	85
57) 1,3-Dichloropropane	9.37	76	294618	53.99	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	630171	272.54	ug/l	98
59) 2-Hexanone	9.50	43	940734	299.08	ug/l	89
60) Dibromochloromethane	9.59	129	181191	54.22	ug/l	99
61) 1,2-Dibromoethane	9.68	107	188487	53.86	ug/l	100
64) Tetrachloroethene	9.34	164	235232	49.05	ug/l	97
65) Chlorobenzene	10.14	112	505823	49.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	181203	51.93	ug/l	99
67) Ethyl Benzene	10.26	91	849256	52.08	ug/l	100
68) m/p-Xylenes	10.36	106	667260	104.38	ug/l	96
69) o-Xylene	10.70	106	323229	52.29	ug/l	96
70) Styrene	10.71	104	543903	53.49	ug/l	97
71) Bromoform	10.86	173	142012	52.38	ug/l #	99
73) Isopropylbenzene	11.02	105	862006	52.15	ug/l	100
74) N-amyl acetate	6.47	43	373687	53.24	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	258592	53.38	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	301594	70.24	ug/l	80
77) Bromobenzene	11.26	156	232399	48.88	ug/l	98
78) n-propylbenzene	11.37	91	970144	52.80	ug/l	99
79) 2-Chlorotoluene	11.43	91	573398	51.40	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	713738	52.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	72896	48.30	ug/l	88
82) 4-Chlorotoluene	11.51	91	671628	51.38	ug/l	98
83) tert-Butylbenzene	11.77	119	686485	51.60	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	730355	52.83	ug/l	97
85) sec-Butylbenzene	11.95	105	841064	52.05	ug/l	100
86) p-Isopropyltoluene	12.07	119	762420	52.57	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	423761	48.49	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	428607	47.61	ug/l	99
89) n-Butylbenzene	12.39	91	637343	51.75	ug/l	99
90) Hexachloroethane	12.60	117	107399	52.10	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	427154	49.59	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	53560	56.81	ug/l	93

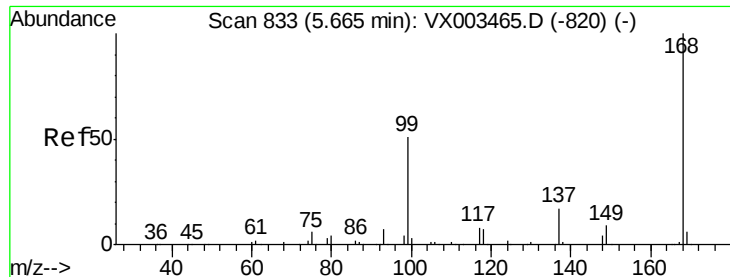
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072018\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	304250	48.20	ug/l	99
94) Hexachlorobutadiene	13.79	225	141149	46.49	ug/l	99
95) Naphthalene	13.83	128	878019	52.93	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	309304	49.49	ug/l	99

(#) = 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. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

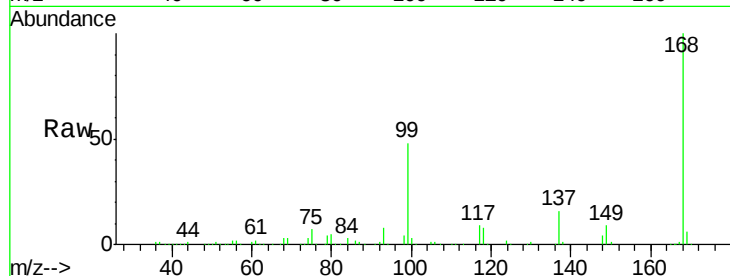
VSTDCCC050EC

Tot Ion:168 Resp: 288323

Ion Ratio Lower Upper

168 100

99 48.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

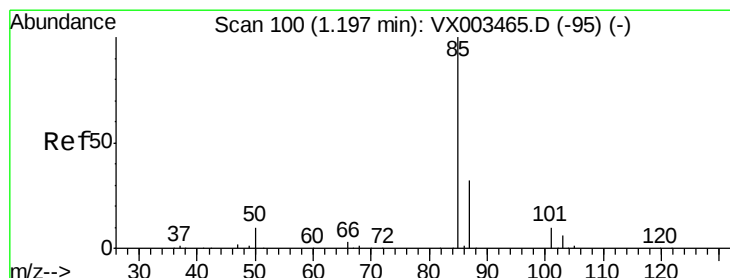
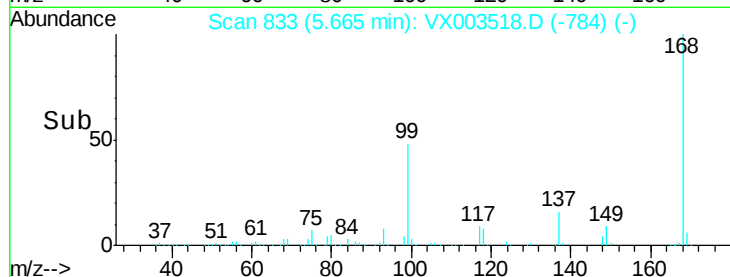
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.92 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003518.D

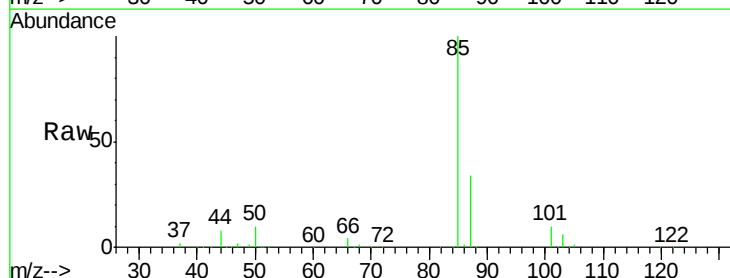
Acq: 20 Jul 2018 19:11

Tgt Ion: 85 Resp: 123301

Ion Ratio Lower Upper

85 100

87 33.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

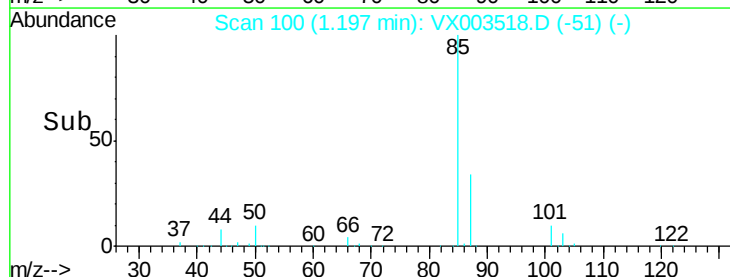
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 57.26 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

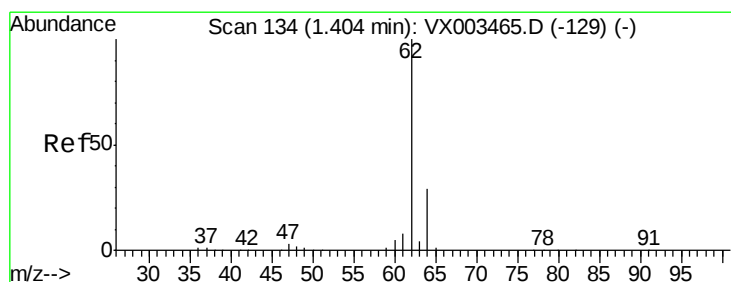
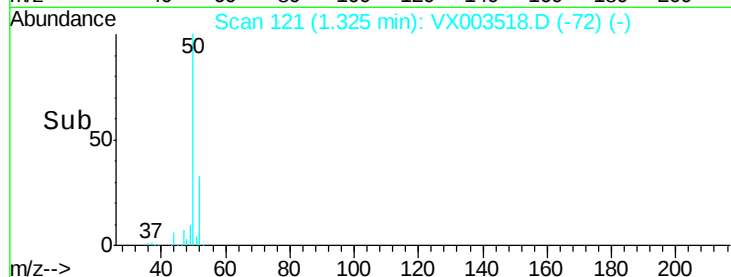
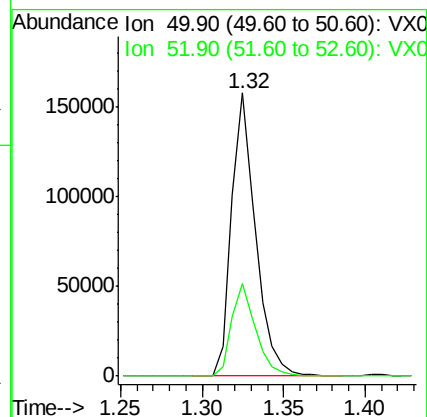
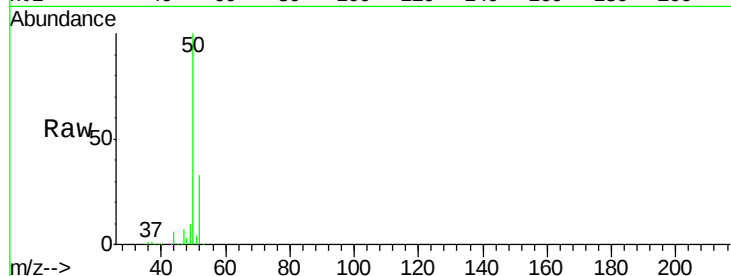
VSTDCCC050EC

Tot Ion: 50 Resp: 161968

Ion Ratio Lower Upper

50 100

52 32.5 25.7 38.5



#4

Vinyl Chloride

Concen: 48.52 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003518.D

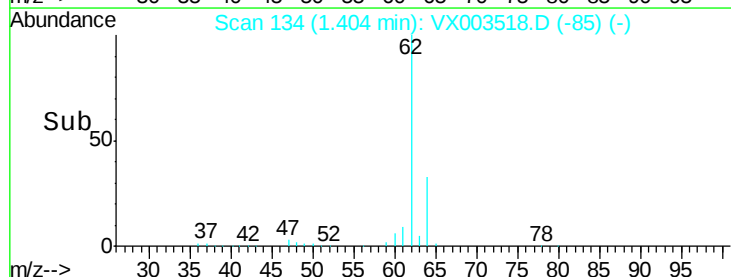
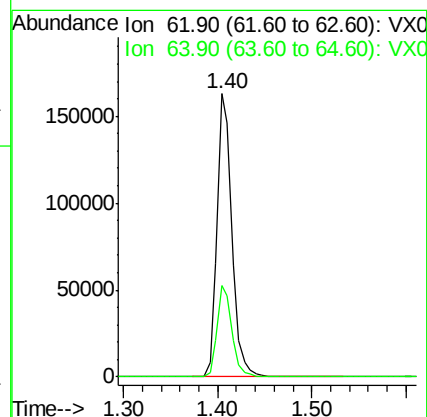
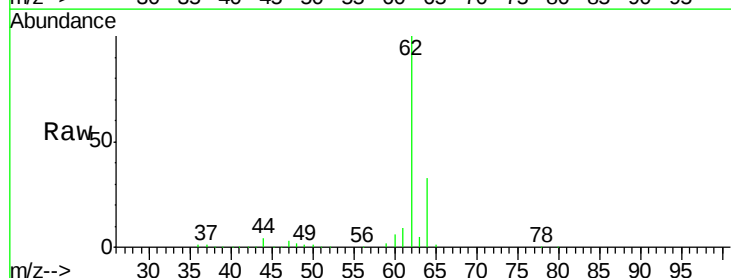
Acq: 20 Jul 2018 19:11

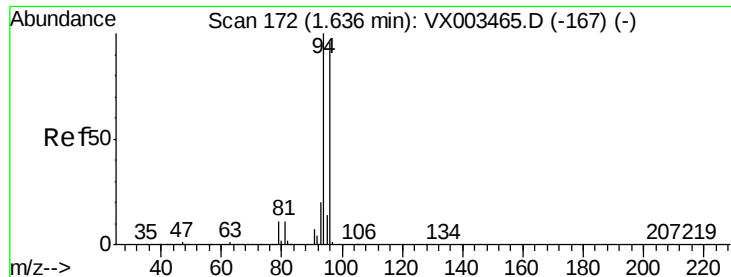
Tgt Ion: 62 Resp: 177714

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2





#5

Bromomethane

Concen: 55.36 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

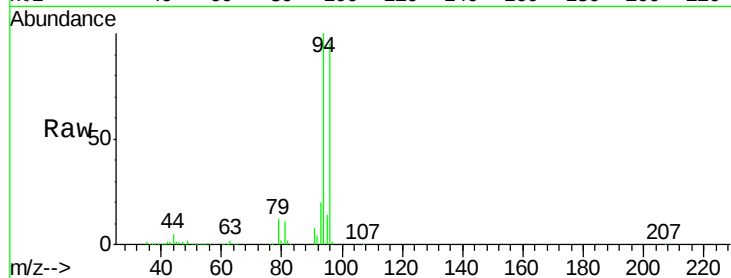
VSTDCCC050EC

Tot Ion: 94 Resp: 80272

Ion Ratio Lower Upper

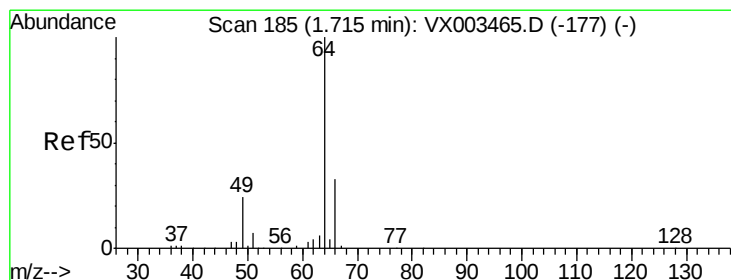
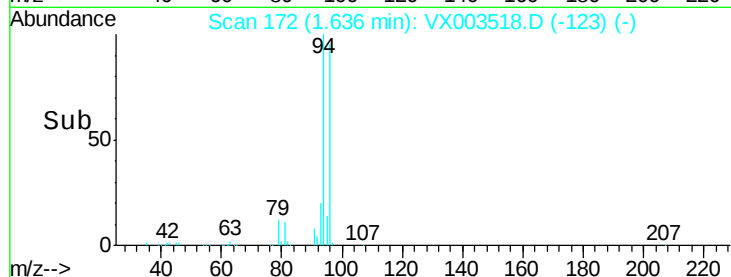
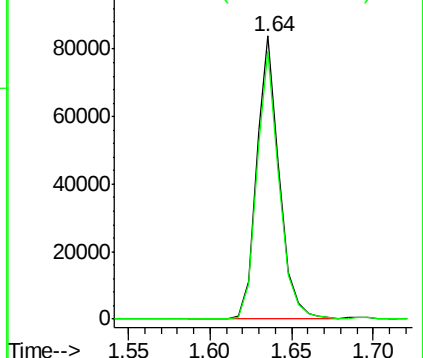
94 100

96 94.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.49 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003518.D

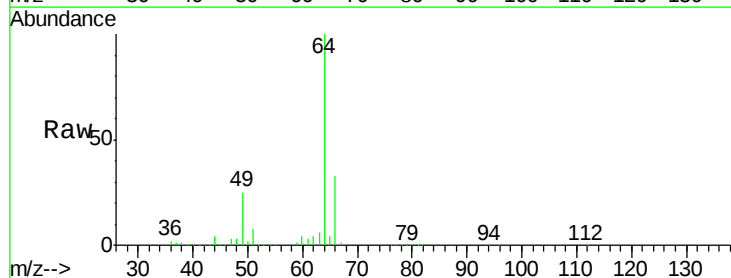
Acq: 20 Jul 2018 19:11

Tgt Ion: 64 Resp: 113772

Ion Ratio Lower Upper

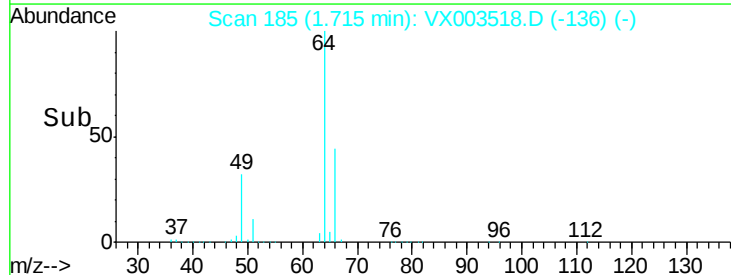
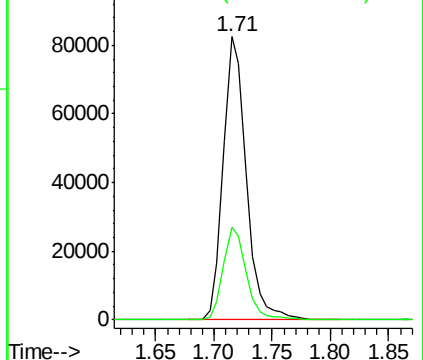
64 100

66 32.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



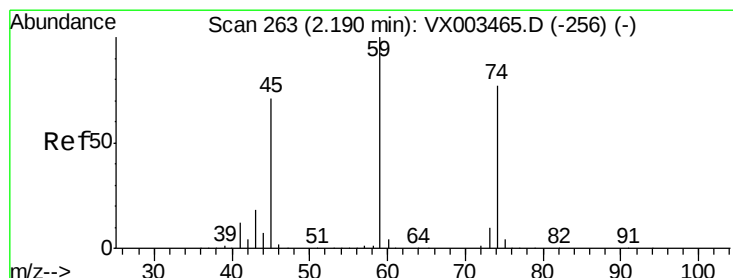
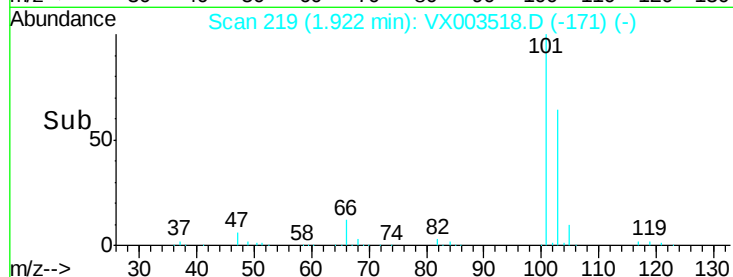
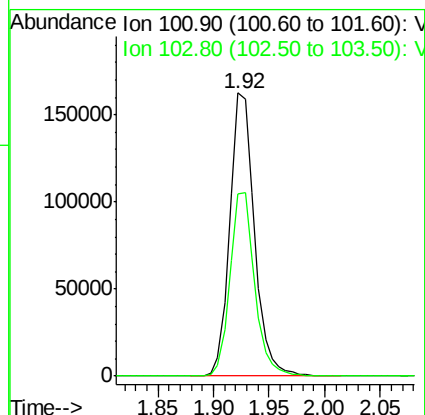
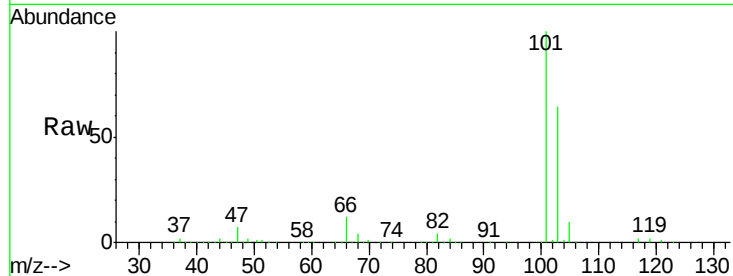


#7

Trichlorofluoromethane
 Concen: 50.96 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
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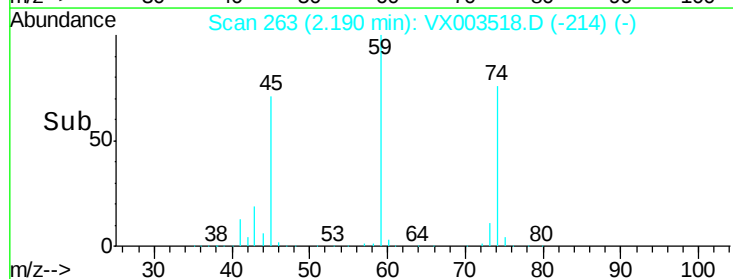
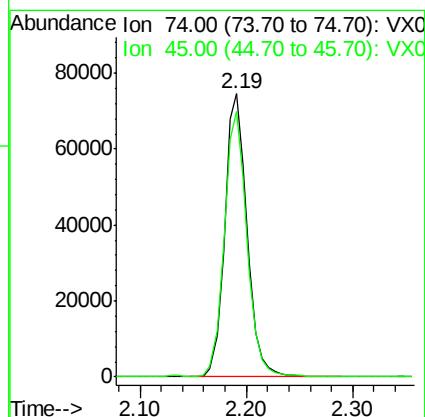
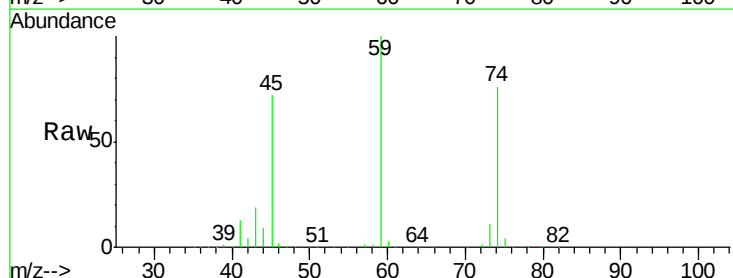
Tot Ion:101 Resp: 249001
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.8 79.2

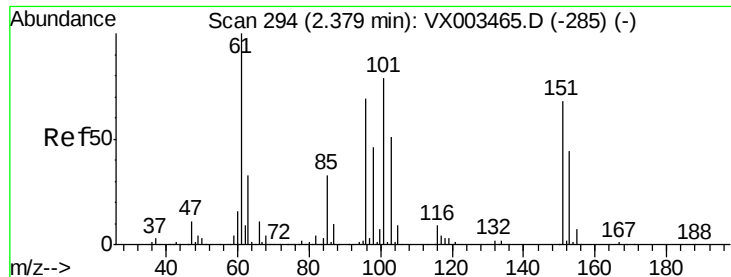


#8

Diethyl Ether
 Concen: 51.78 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion: 74 Resp: 108668
 Ion Ratio Lower Upper
 74 100
 45 94.7 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.24 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

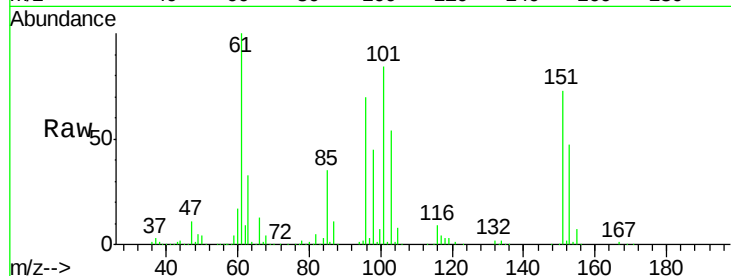
Tot Ion:101 Resp: 157491

Ion Ratio Lower Upper

101 100

85 41.9 36.0 54.0

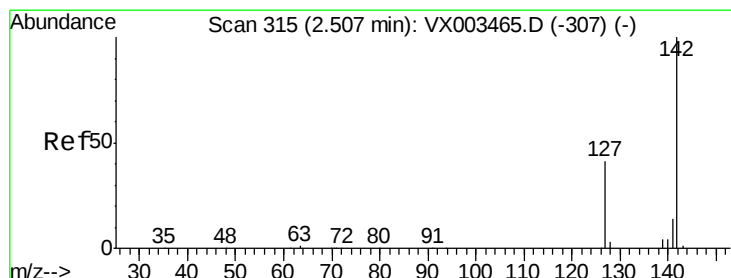
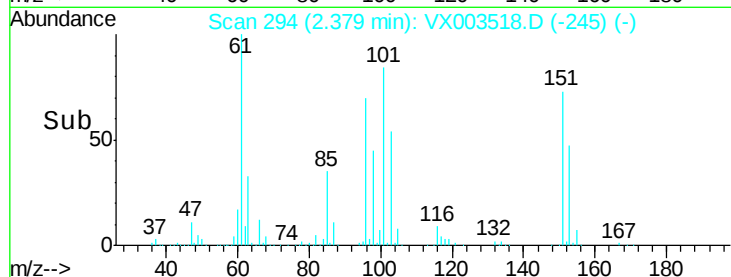
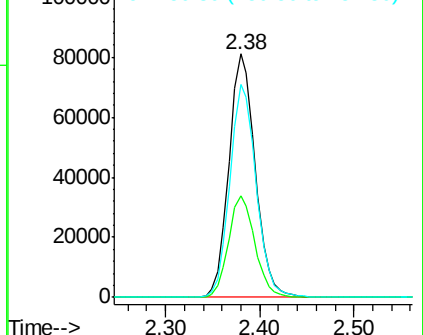
151 87.7 70.9 106.3



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: 53.44 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

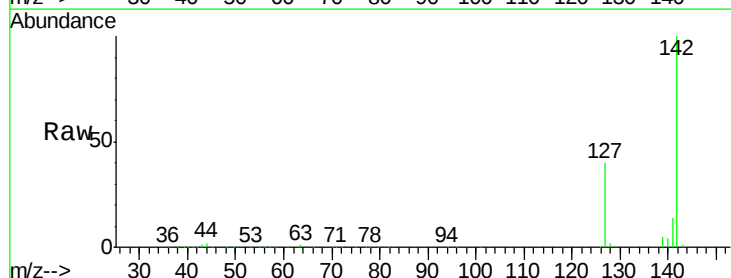
Tgt Ion:142 Resp: 205330

Ion Ratio Lower Upper

142 100

127 39.9 36.6 55.0

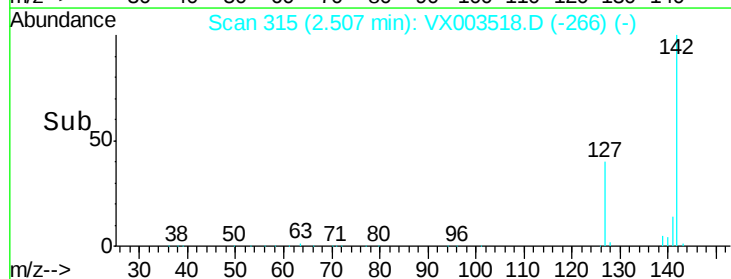
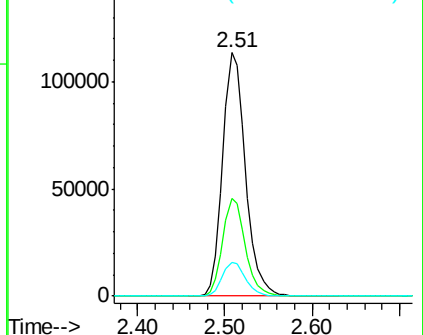
141 14.2 11.3 16.9

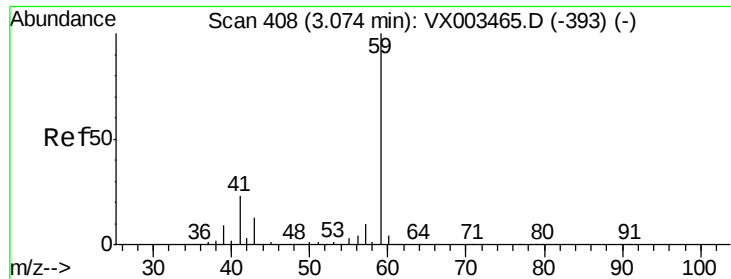


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

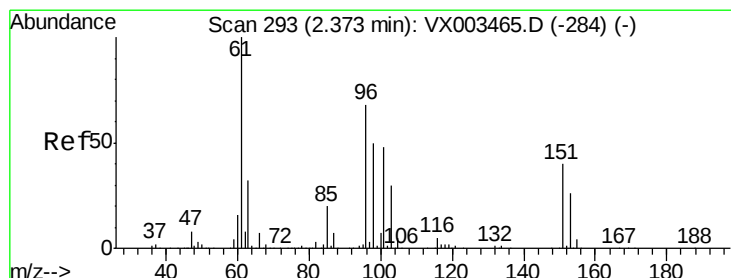
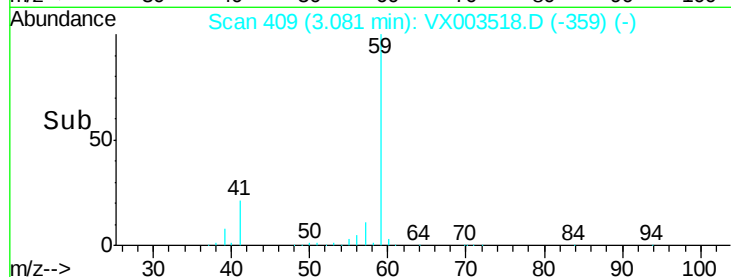
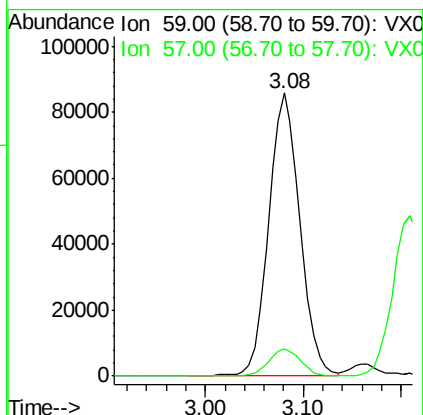
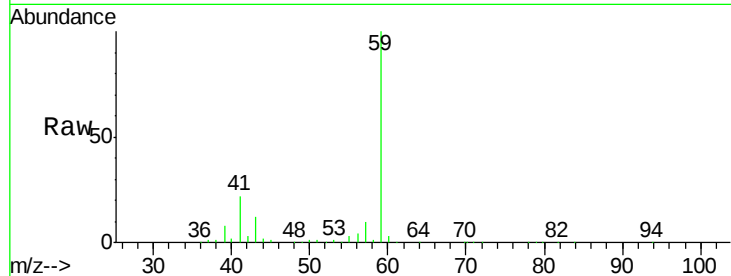




#11
Tert butyl alcohol
Concen: 283.90 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

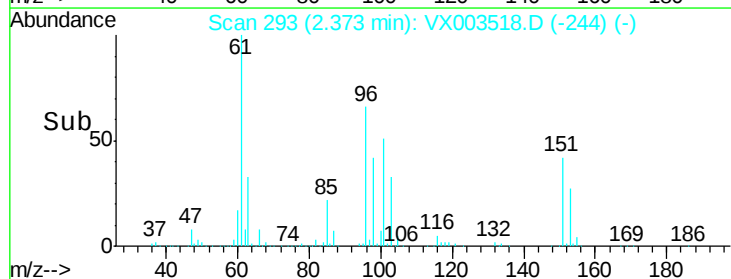
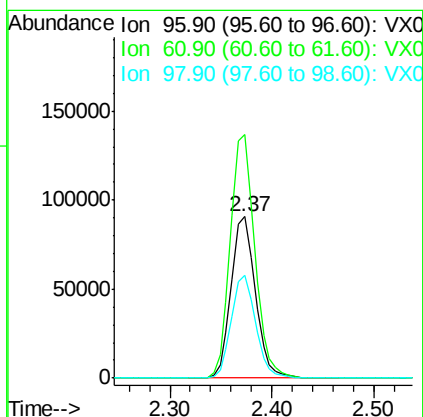
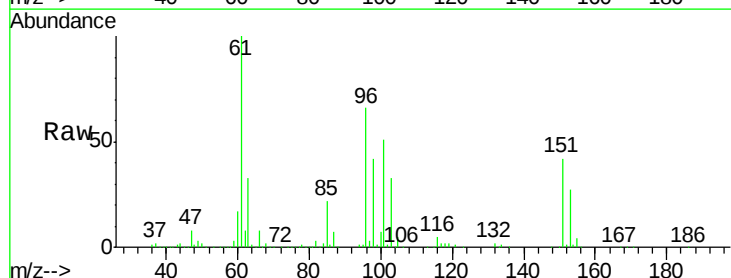
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

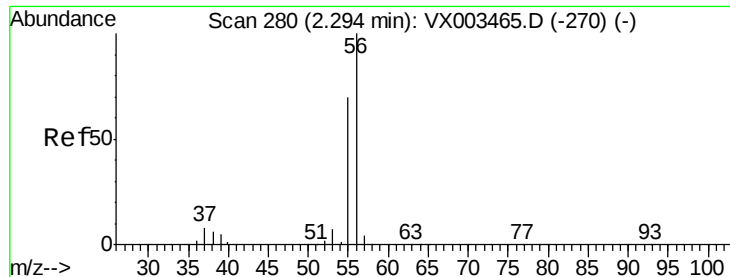
Tot Ion: 59 Resp: 191733
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.2



#12
1,1-Dichloroethene
Concen: 50.92 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion: 96 Resp: 149939
Ion Ratio Lower Upper
96 100
61 150.6 137.9 206.9
98 63.6 51.6 77.4





#13

Acrolein

Concen: 237.09 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

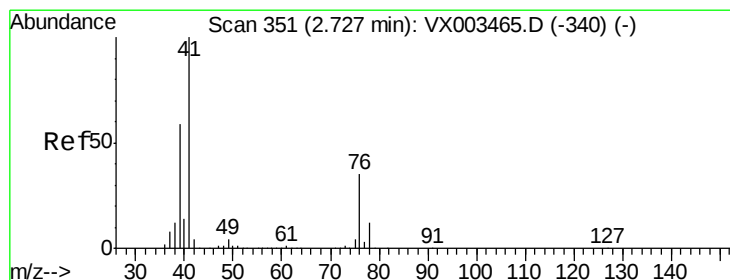
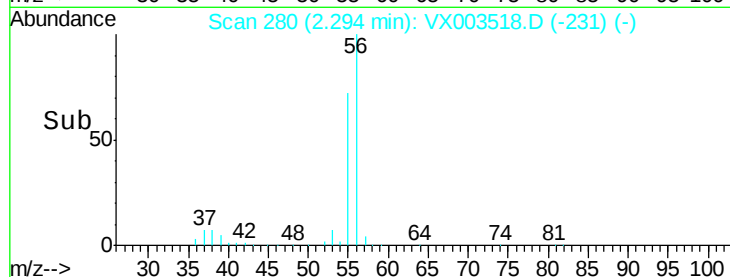
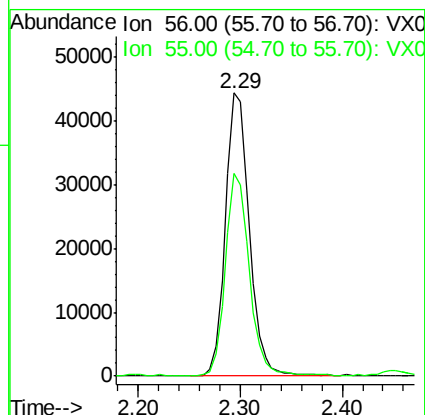
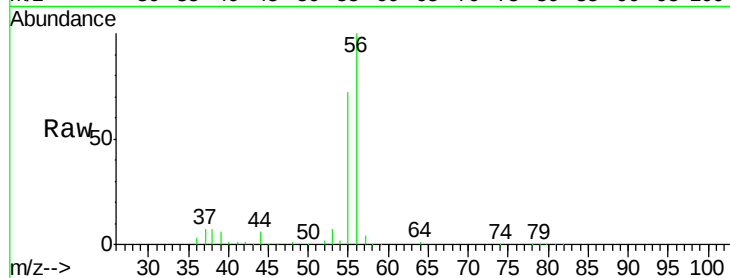
VSTDCCC050EC

Tot Ion: 56 Resp: 72347

Ion Ratio Lower Upper

56 100

55 70.8 57.0 85.4



#14

Allyl chloride

Concen: 52.36 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

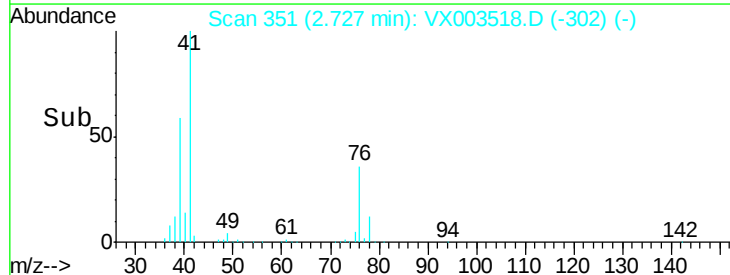
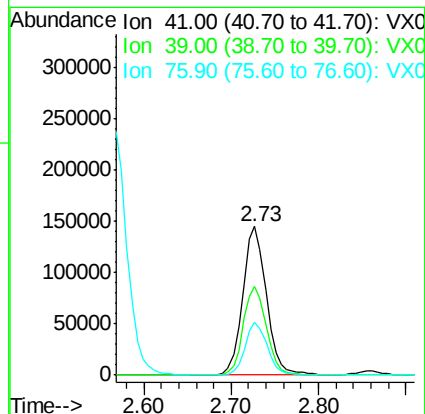
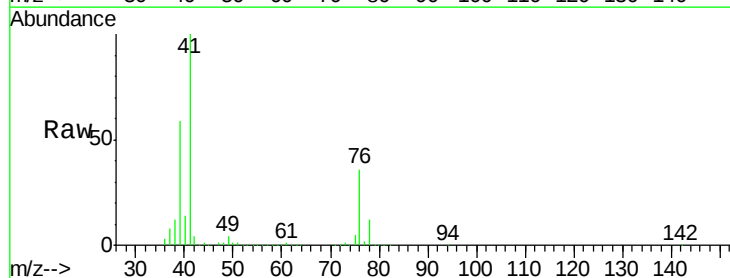
Tgt Ion: 41 Resp: 272951

Ion Ratio Lower Upper

41 100

39 58.2 56.8 85.2

76 33.2 23.8 35.8





#15

Acrylonitrile

Concen: 272.45 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

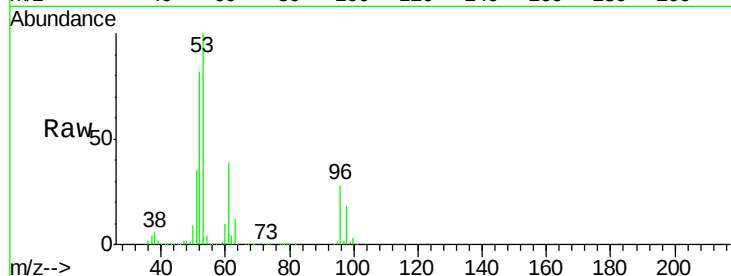
Tot Ion: 53 Resp: 468460

Ion Ratio Lower Upper

53 100

52 81.7 66.7 100.1

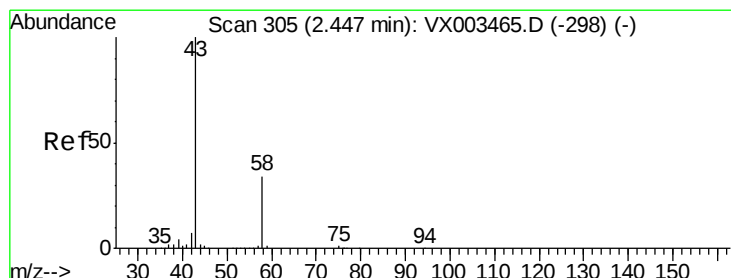
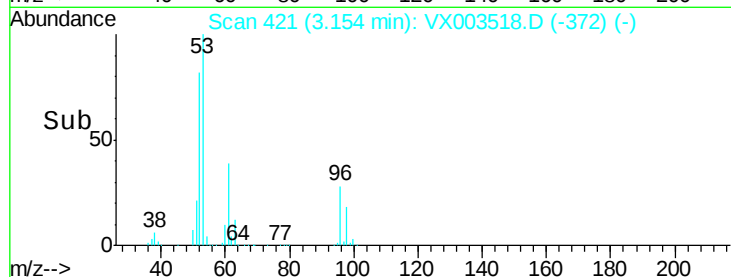
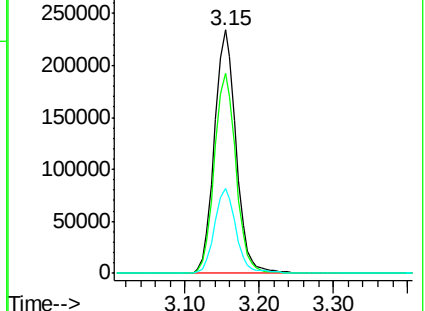
51 35.0 29.9 44.9



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: 278.67 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003518.D

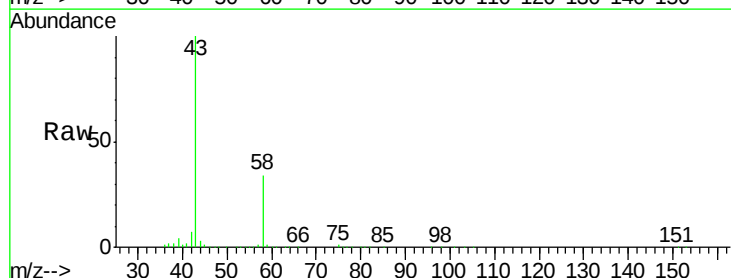
Acq: 20 Jul 2018 19:11

Tgt Ion: 43 Resp: 359249

Ion Ratio Lower Upper

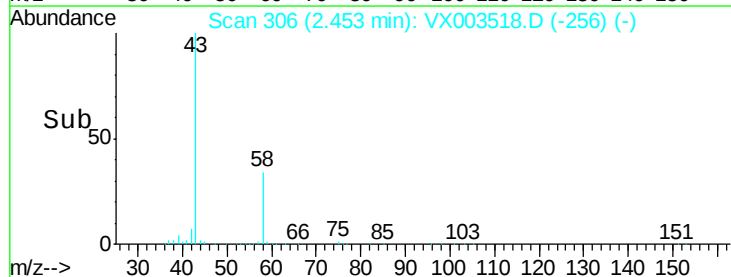
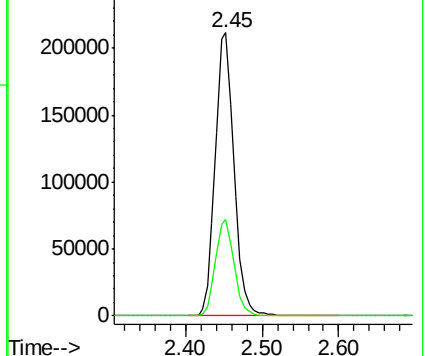
43 100

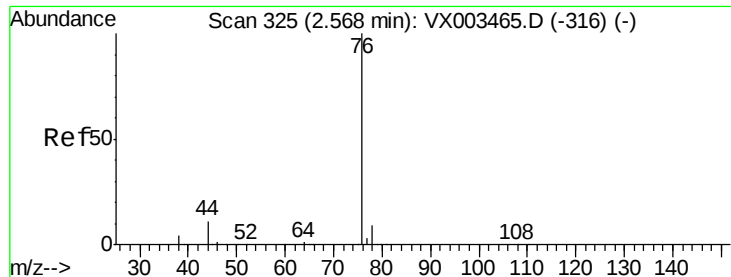
58 34.2 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

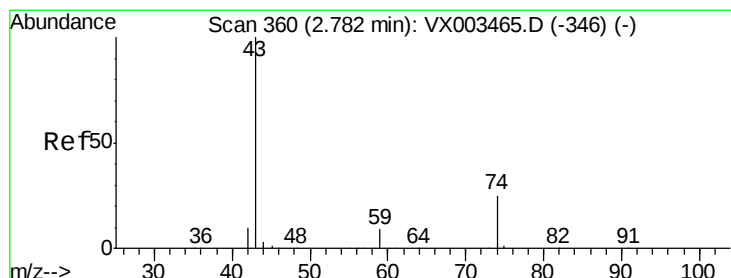
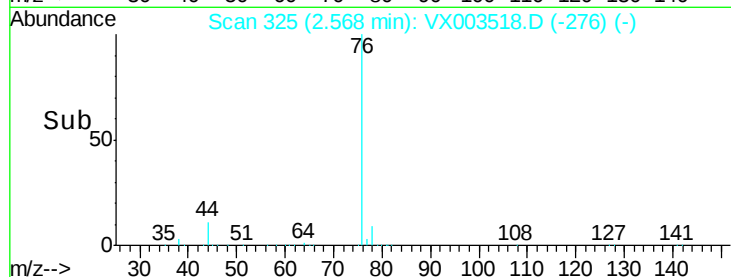
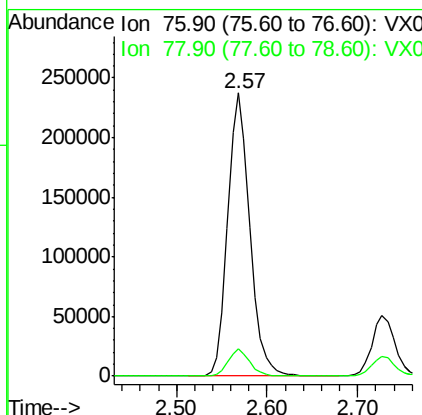
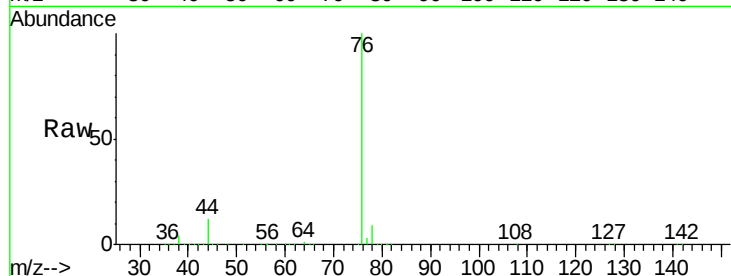




#17
Carbon Disulfide
Concen: 50.46 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

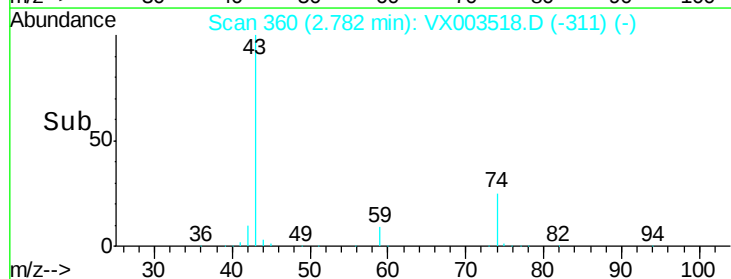
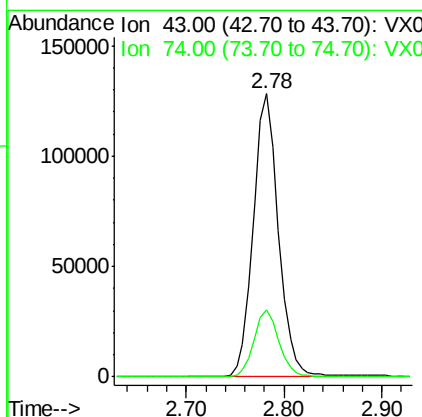
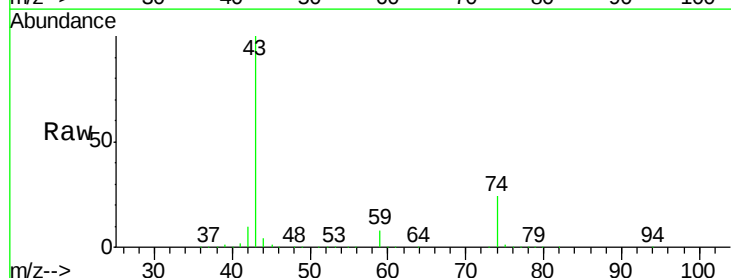
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

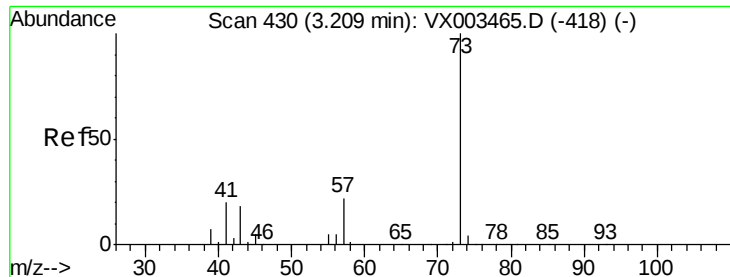
Tot Ion: 76 Resp: 401867
Ion Ratio Lower Upper
76 100
78 9.5 6.9 10.3



#18
Methyl Acetate
Concen: 56.20 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion: 43 Resp: 228392
Ion Ratio Lower Upper
43 100
74 23.4 16.7 25.1

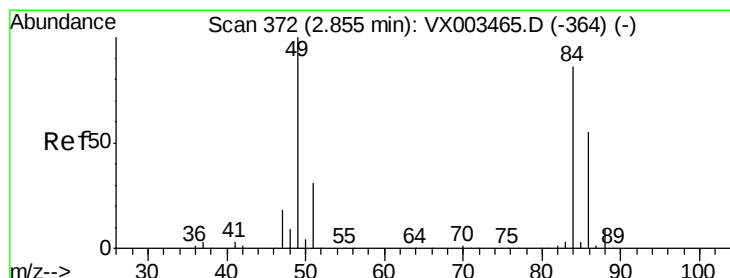
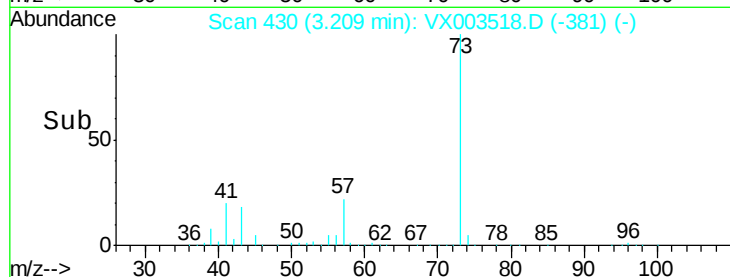
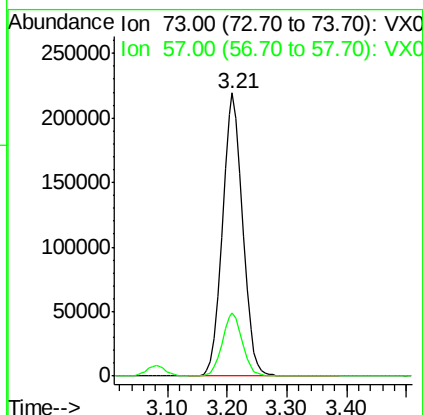
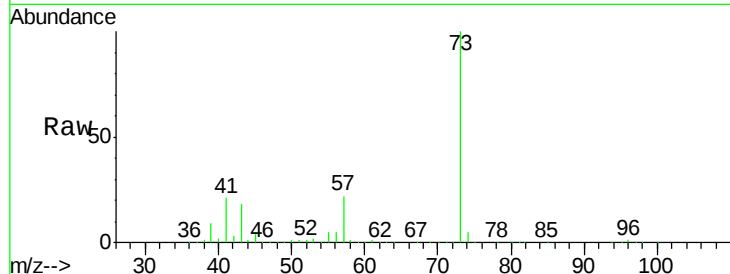




#19
Methvl tert-butvl Ether
Concen: 53.49 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

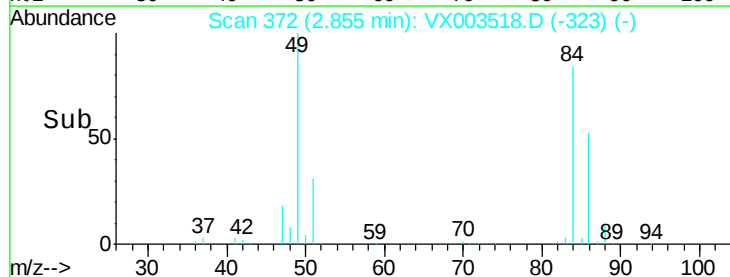
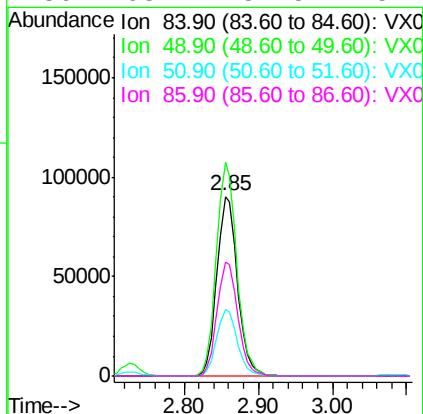
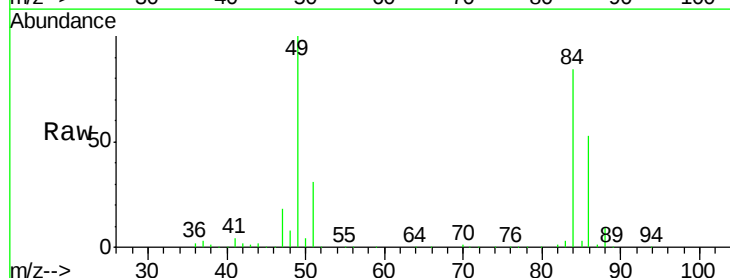
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 514381
Ion Ratio Lower Upper
73 100
57 22.2 17.7 26.5



#20
Methylene Chloride
Concen: 54.91 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion: 84 Resp: 172826
Ion Ratio Lower Upper
84 100
49 118.9 107.8 161.6
51 36.8 32.8 49.2
86 63.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 50.18 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

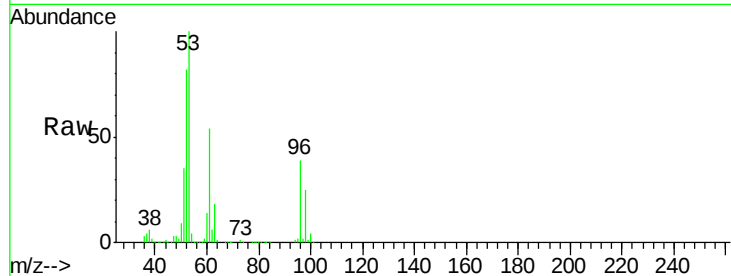
Tot Ion: 96 Resp: 164401

Ion Ratio Lower Upper

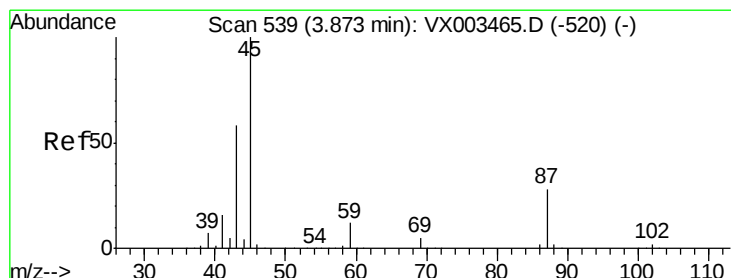
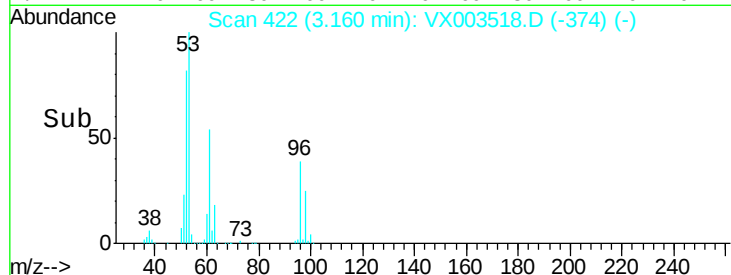
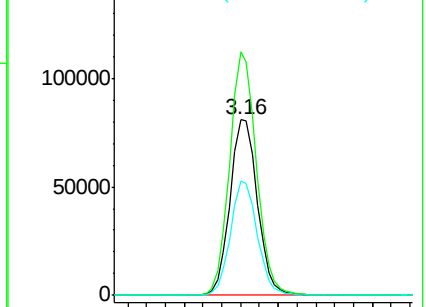
96 100

61 138.6 117.0 175.4

98 65.1 52.4 78.6



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: 53.24 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Tgt Ion: 45 Resp: 522244

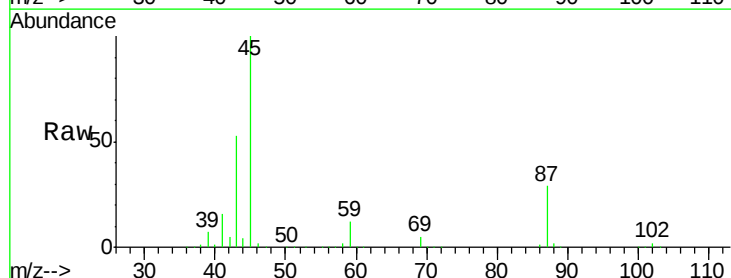
Ion Ratio Lower Upper

45 100

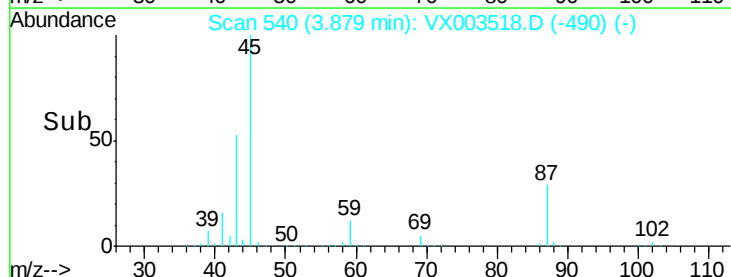
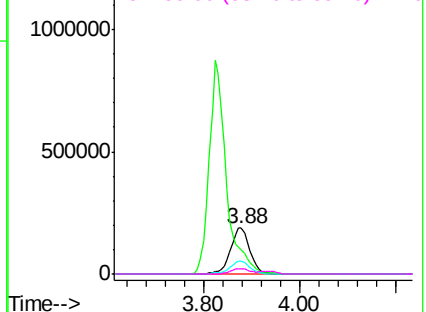
43 53.2 46.8 70.2

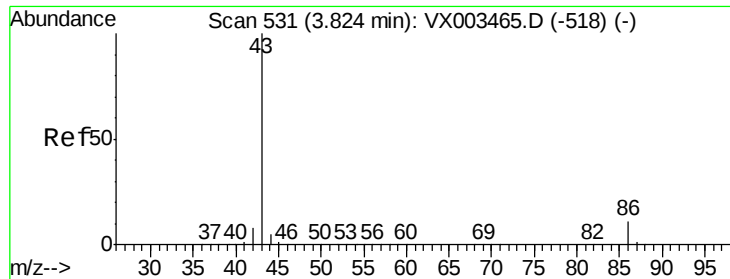
87 29.3 20.2 30.4

59 11.6 8.7 13.1



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





#23

Vinyl Acetate

Concen: 267.43 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

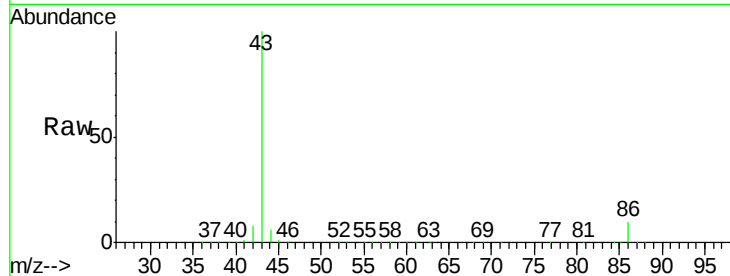
VSTDCCC050EC

Tot Ion: 43 Resp: 2160825

Ion Ratio Lower Upper

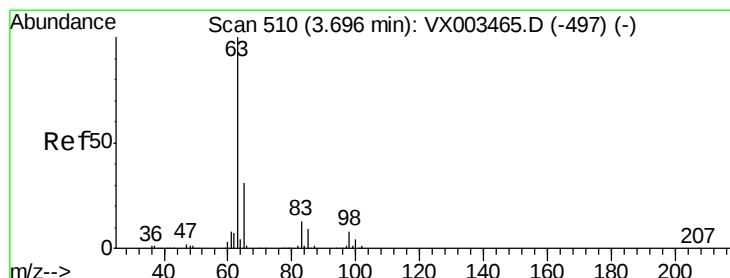
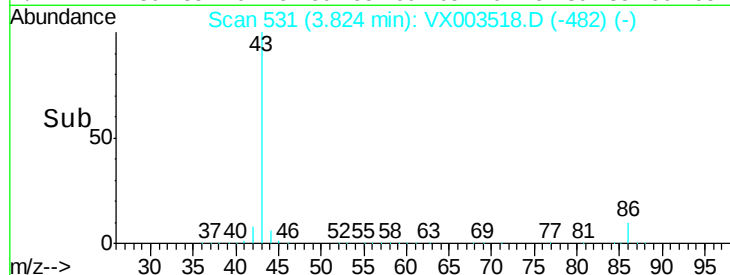
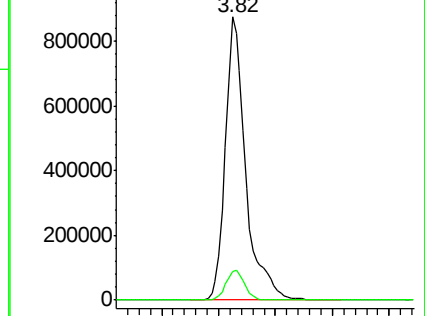
43 100

86 10.2 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 52.86 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

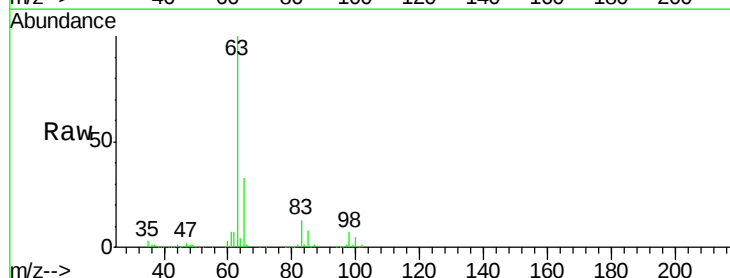
Tgt Ion: 63 Resp: 304207

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

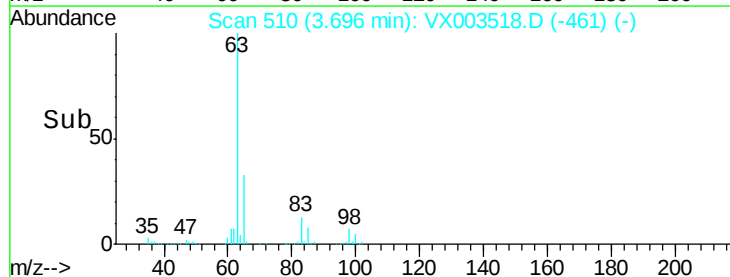
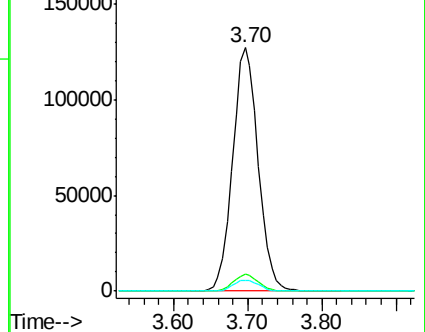
100 4.6 2.0 6.0

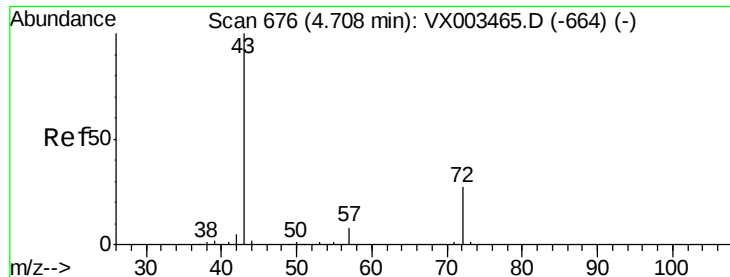


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 278.95 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

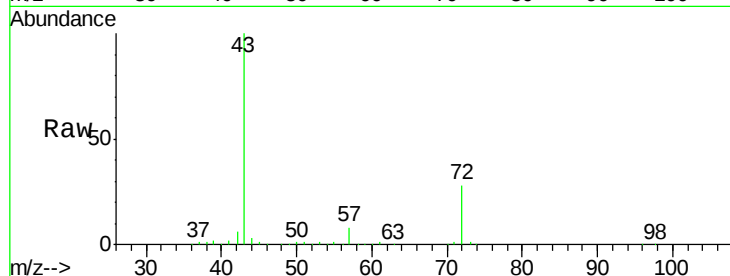
VSTDCCC050EC

Tot Ion: 43 Resp: 603368

Ion Ratio Lower Upper

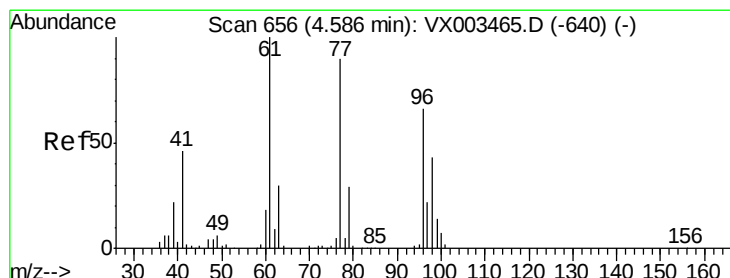
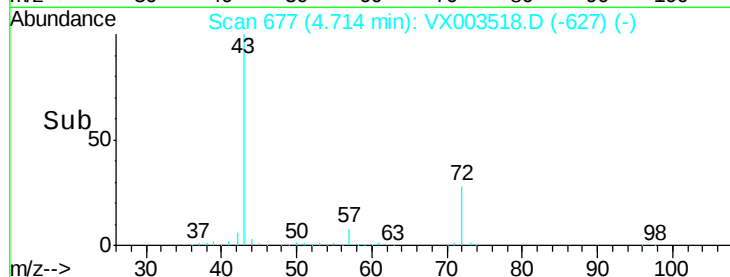
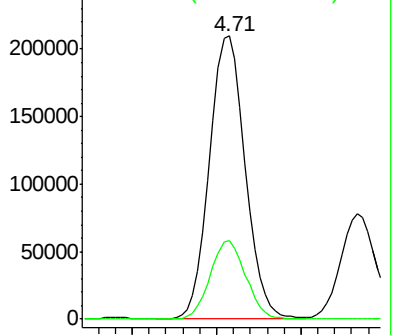
43 100

72 27.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 43.10 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003518.D

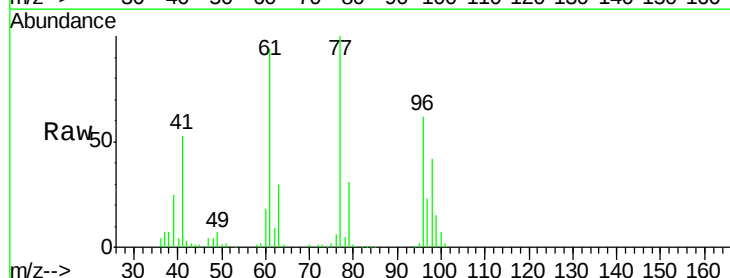
Acq: 20 Jul 2018 19:11

Tgt Ion: 77 Resp: 188407

Ion Ratio Lower Upper

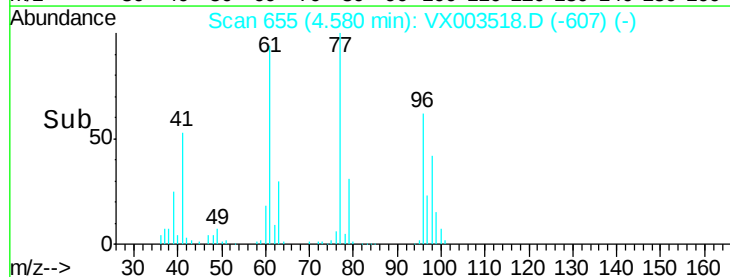
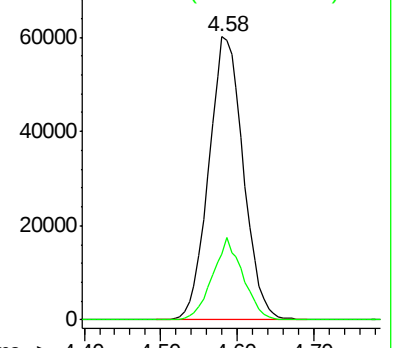
77 100

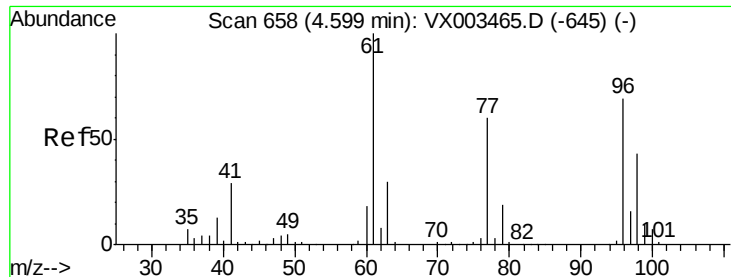
97 25.7 11.2 33.5



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: 51.93 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

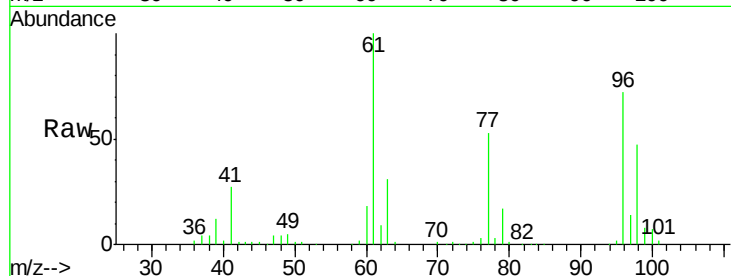
Tot Ion: 96 Resp: 189441

Ion Ratio Lower Upper

96 100

61 158.0 0.0 330.2

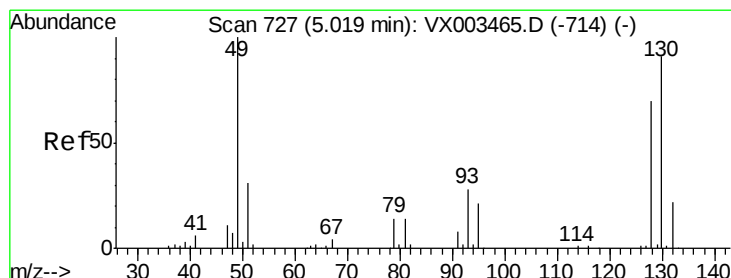
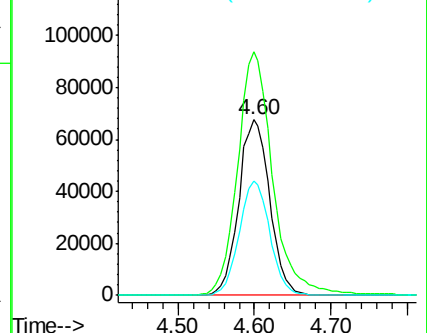
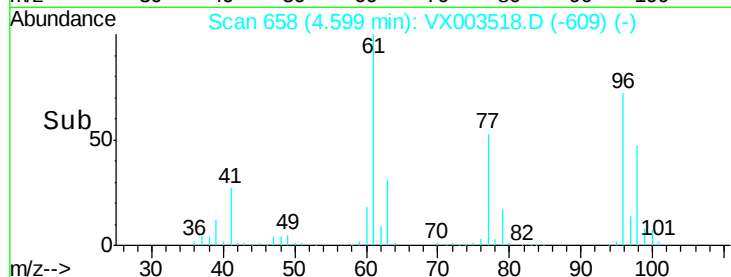
98 64.4 0.0 130.2



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: 53.37 ug/l

RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

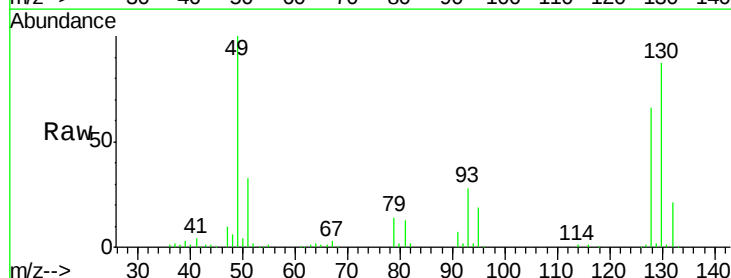
Tgt Ion: 49 Resp: 134254

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

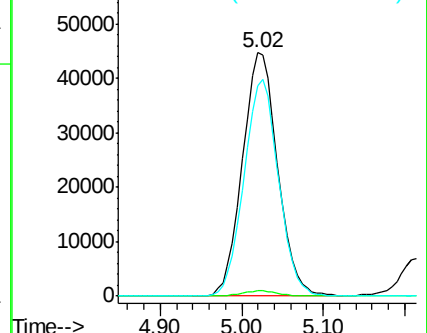
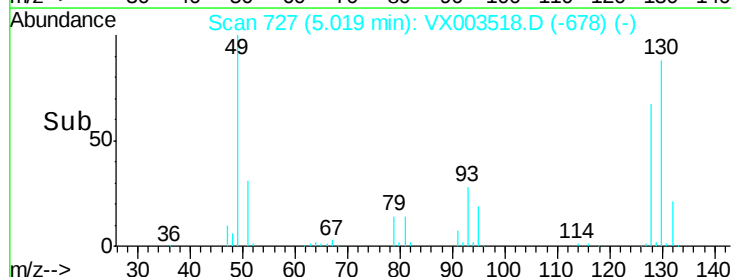
130 87.5 61.2 91.8

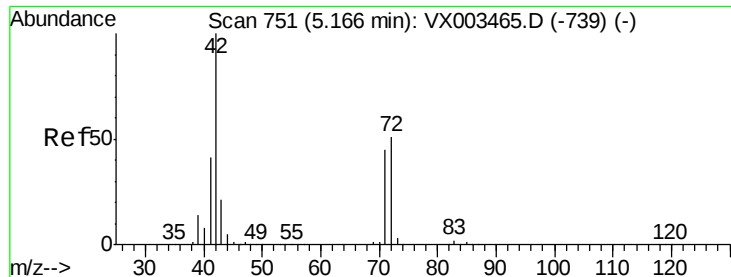


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

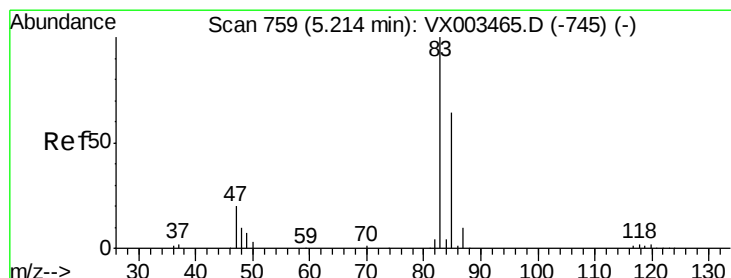
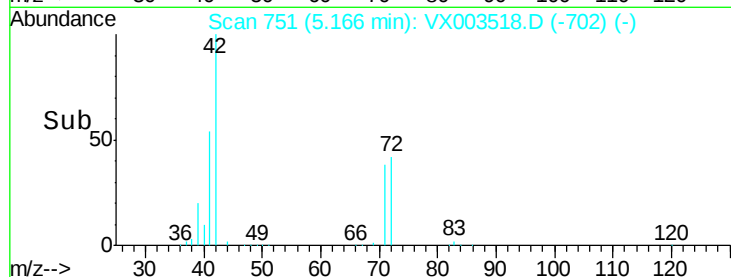
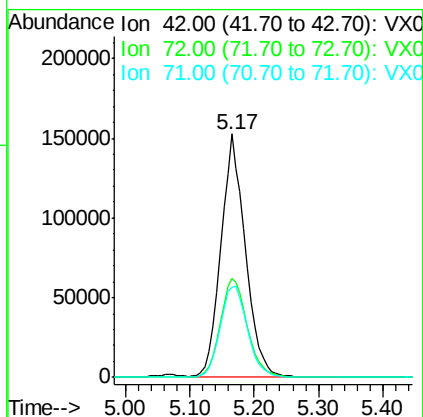
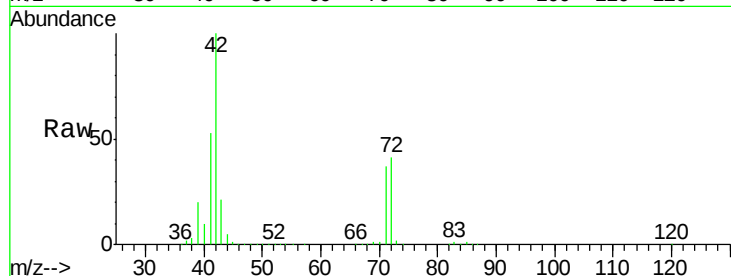




#29
Tetrahydrofuran
Concen: 285.48 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

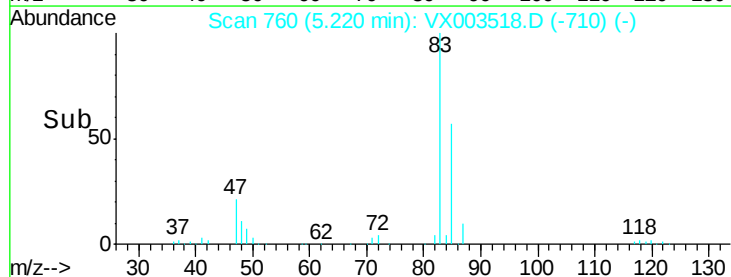
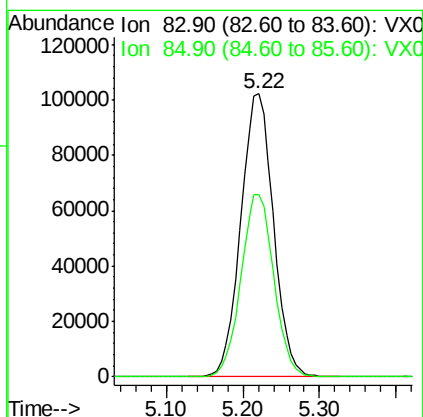
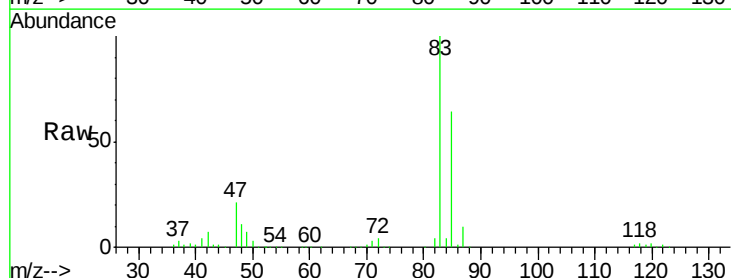
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

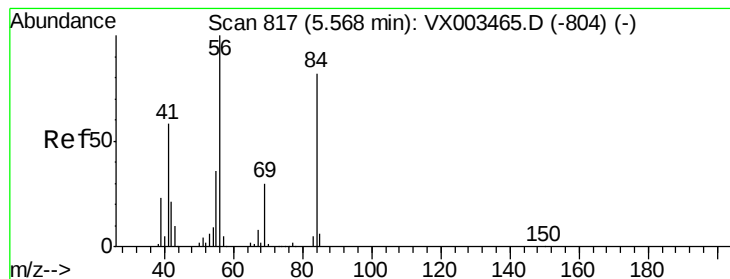
Tot Ion: 42 Resp: 407906
Ion Ratio Lower Upper
42 100
72 44.7 32.0 48.0
71 41.9 30.1 45.1



#30
Chloroform
Concen: 53.90 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion: 83 Resp: 302920
Ion Ratio Lower Upper
83 100
85 64.2 50.4 75.6





#31

Cyclohexane

Concen: 52.59 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

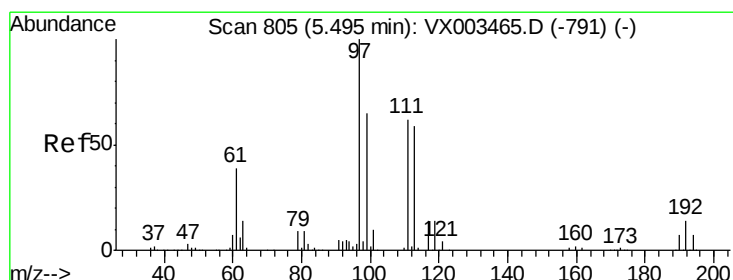
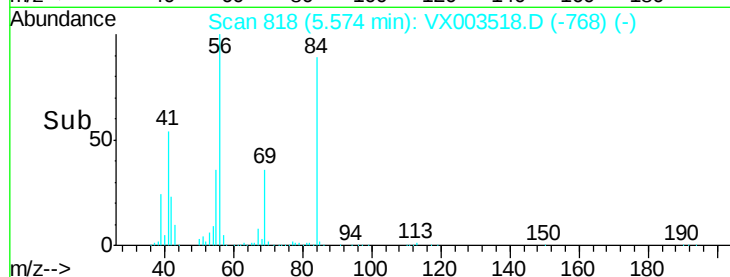
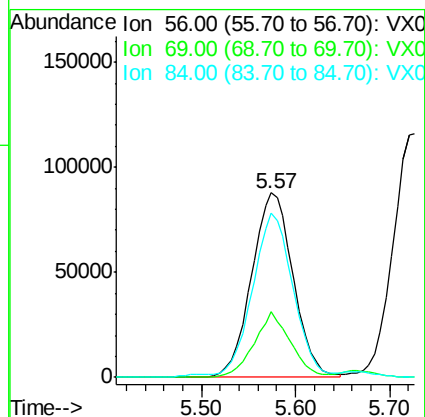
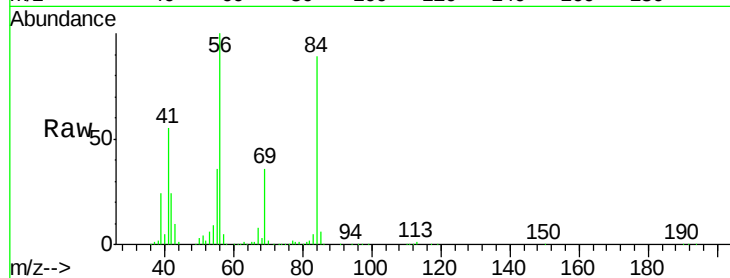
Tot Ion: 56 Resp: 270420

Ion Ratio Lower Upper

56 100

69 35.8 23.7 35.5#

84 87.3 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 54.27 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

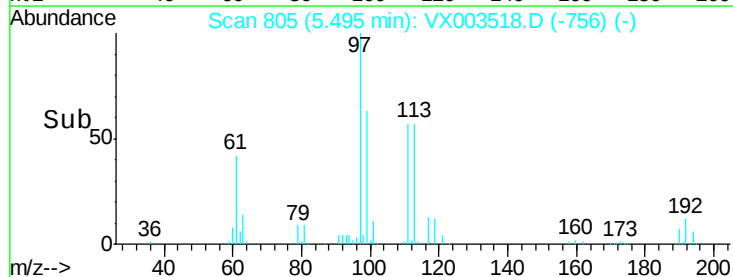
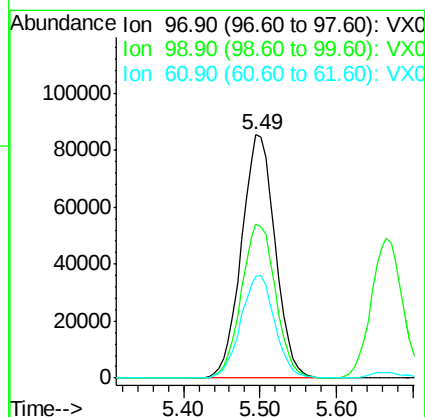
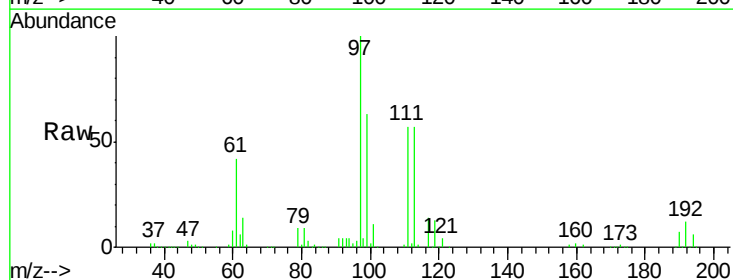
Tgt Ion: 97 Resp: 261190

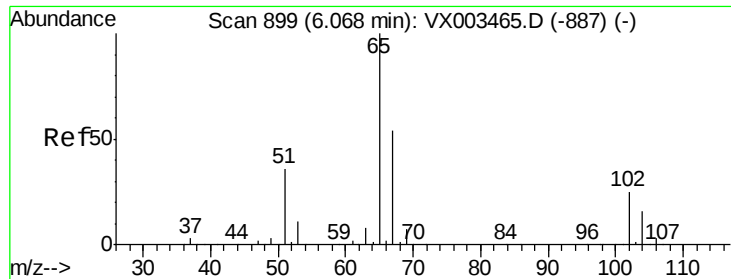
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 42.6 36.4 54.6

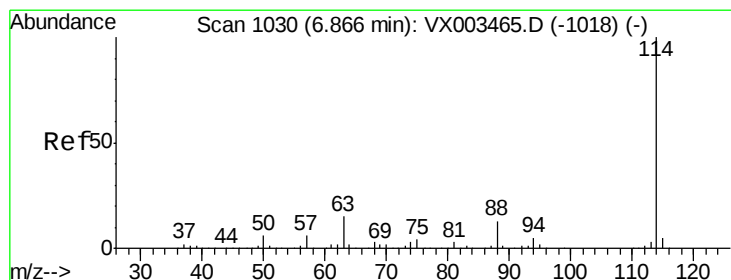
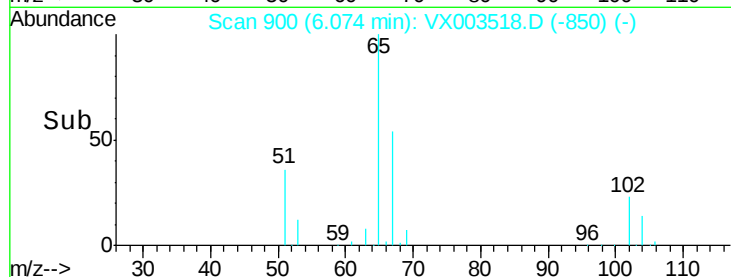
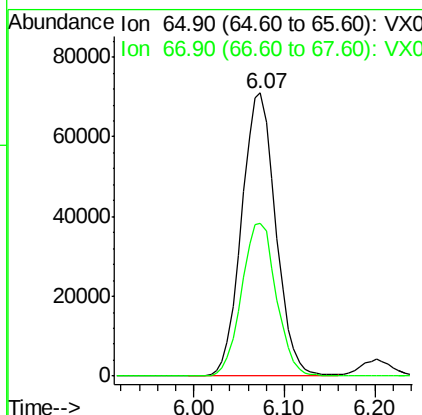
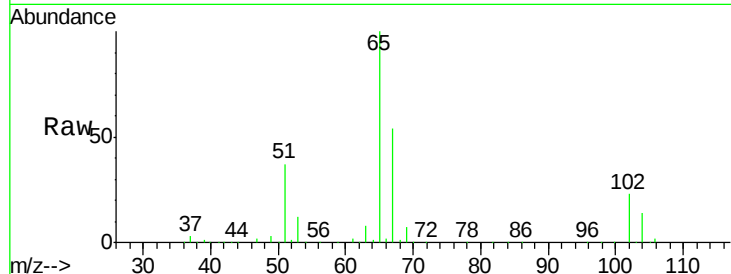




#33
 1,2-Dichloroethane-d4
 Concen: 54.28 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

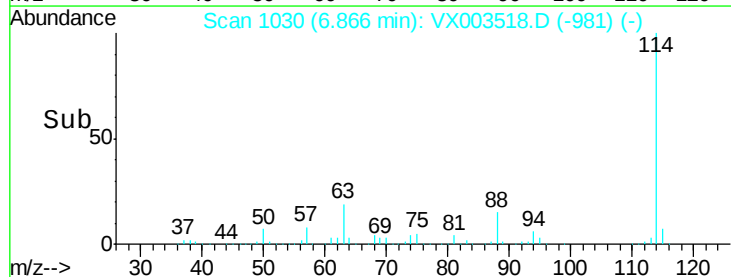
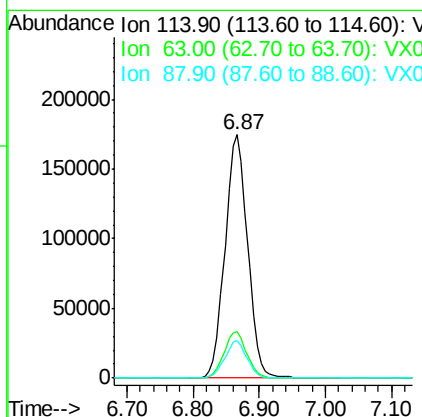
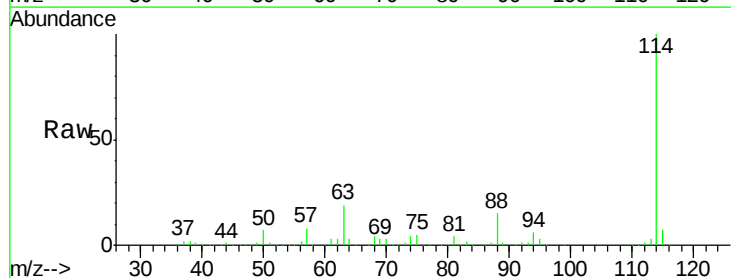
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

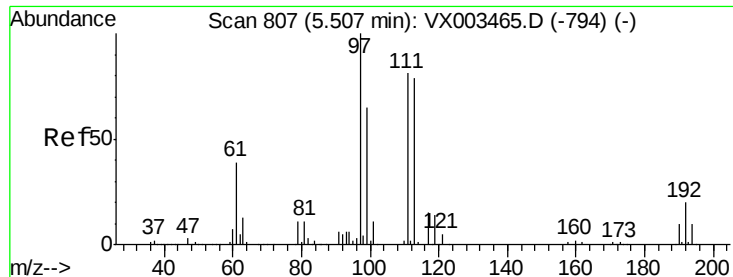
Tot Ion: 65 Resp: 185239
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion: 114 Resp: 413485
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 41.4
 88 15.4 0.0 30.0

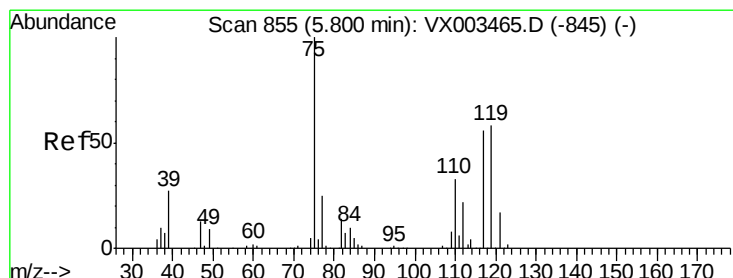
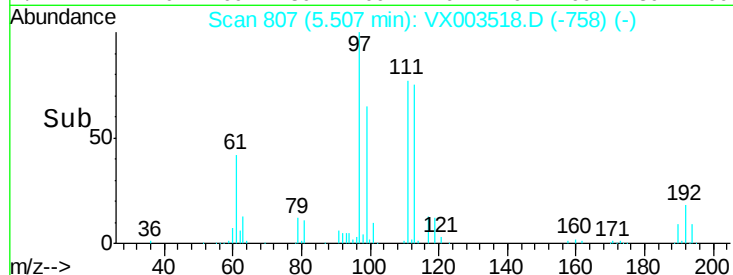
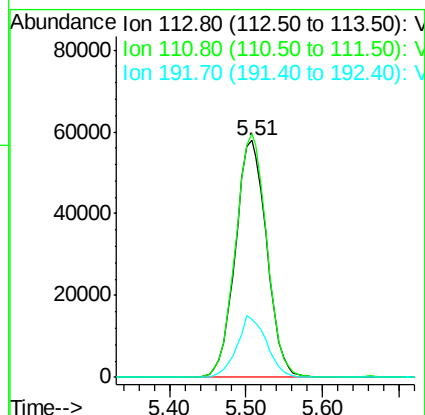
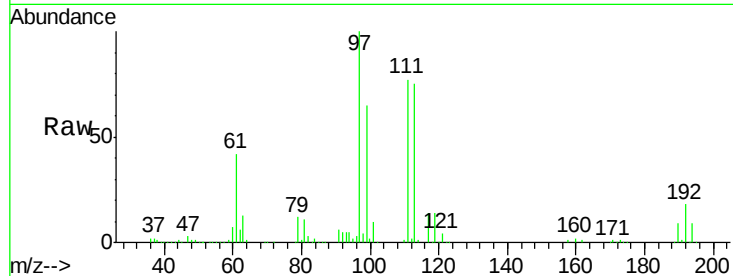




#35
 Dibromofluoromethane
 Concen: 52.16 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

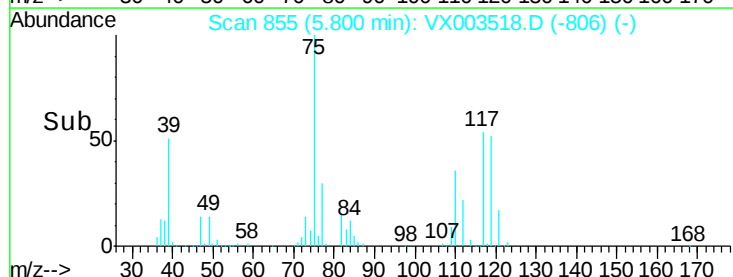
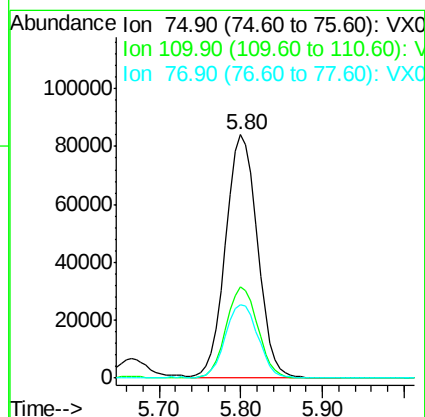
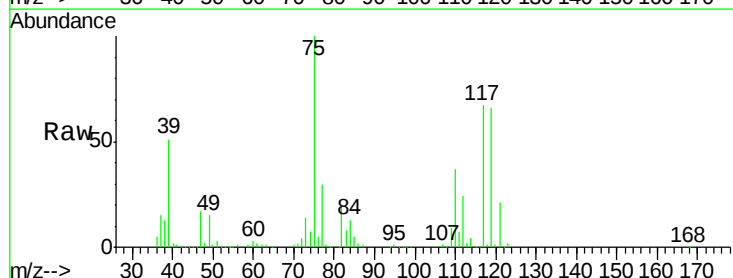
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

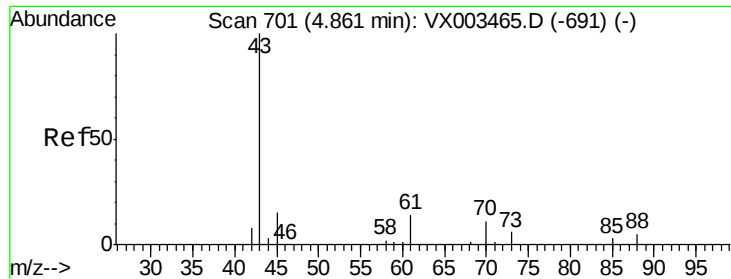
Tot Ion:113 Resp: 164287
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.0
 192 24.4 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 50.70 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion: 75 Resp: 226353
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.1 54.4
 77 31.1 24.3 36.5

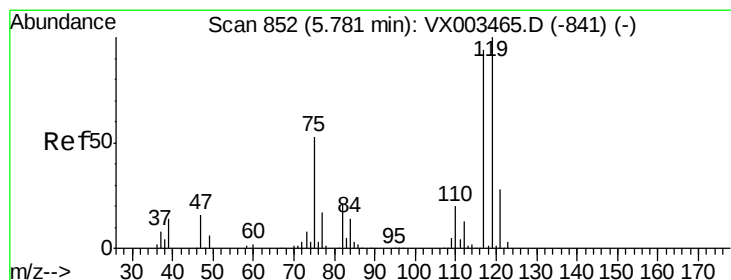
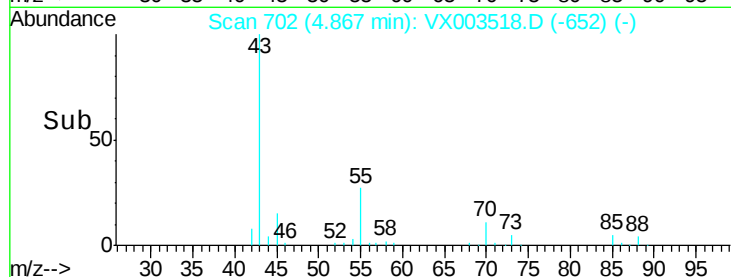
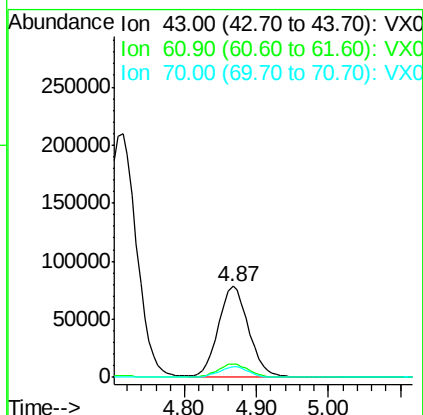
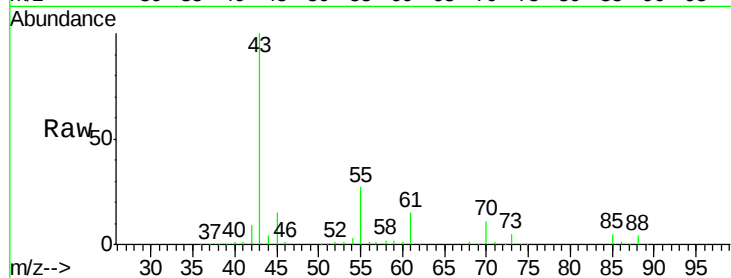




#37
Ethyl Acetate
Concen: 54.35 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

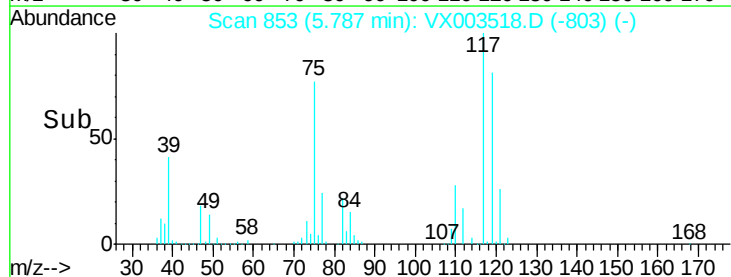
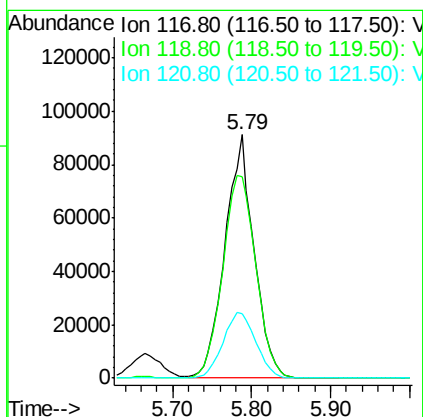
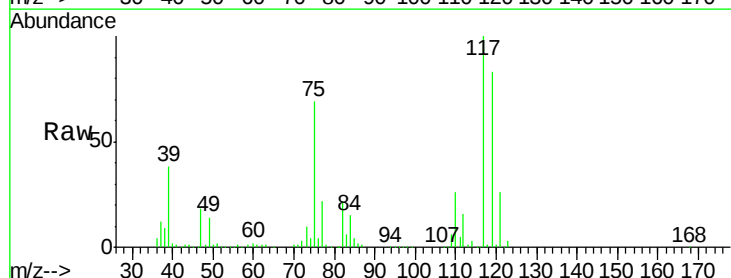
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

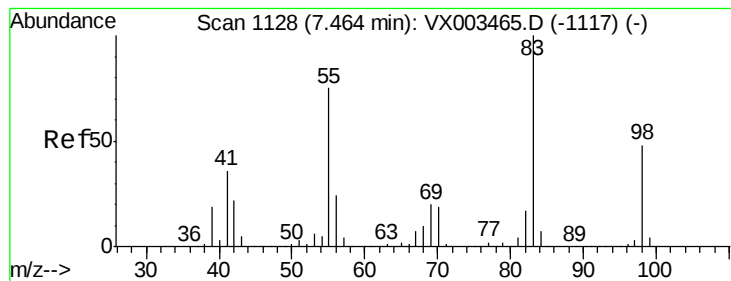
Tot Ion: 43 Resp: 229610
Ion Ratio Lower Upper
43 100
61 14.8 10.4 15.6
70 11.4 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 53.40 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion: 117 Resp: 233836
Ion Ratio Lower Upper
117 100
119 82.8 77.4 116.0
121 26.3 24.4 36.6





#39

Methvlcvclohexane

Concen: 50.98 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

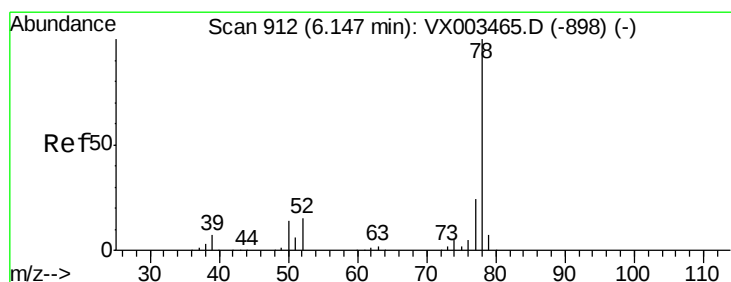
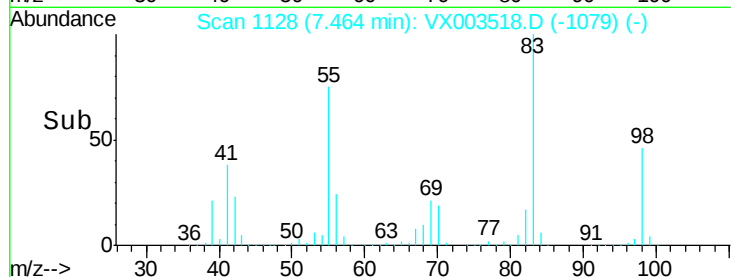
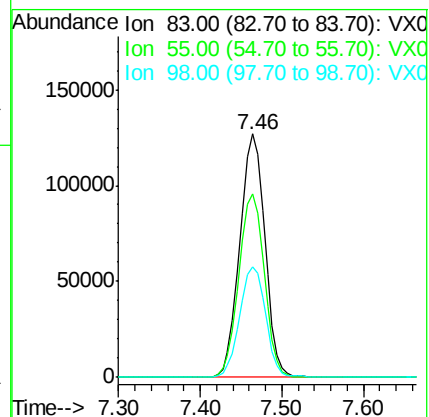
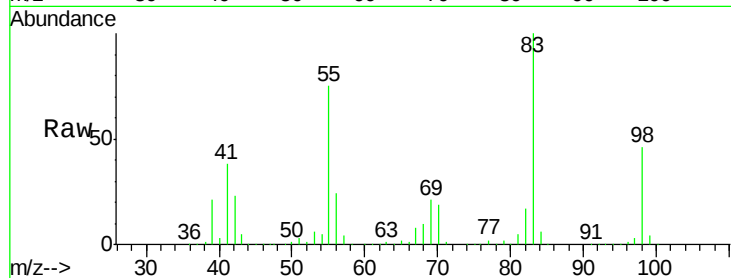
Tot Ion: 83 Resp: 269576

Ion Ratio Lower Upper

83 100

55 75.3 65.4 98.0

98 45.6 37.4 56.0



#40

Benzene

Concen: 51.79 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX003518.D

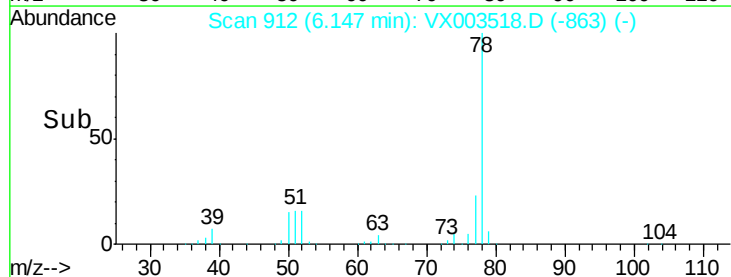
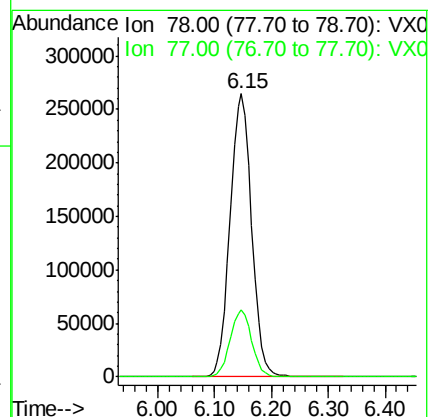
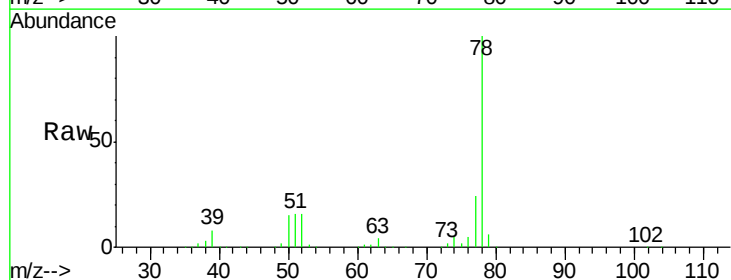
Acq: 20 Jul 2018 19:11

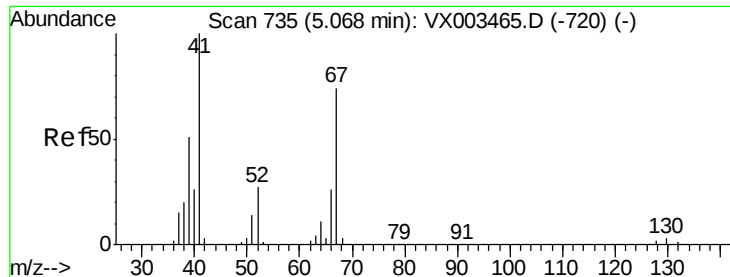
Tgt Ion: 78 Resp: 698066

Ion Ratio Lower Upper

78 100

77 23.8 19.1 28.7

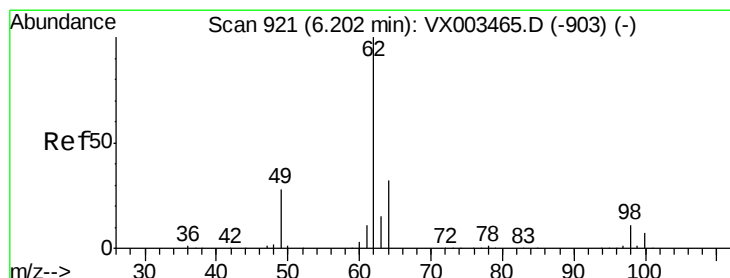
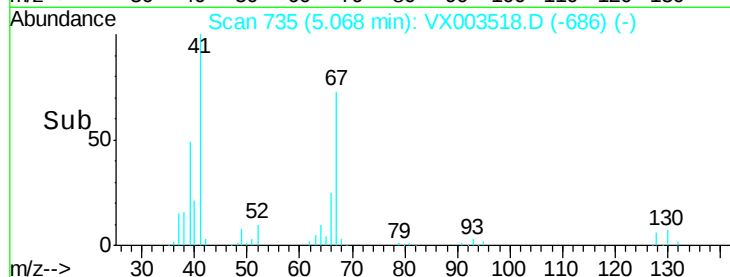
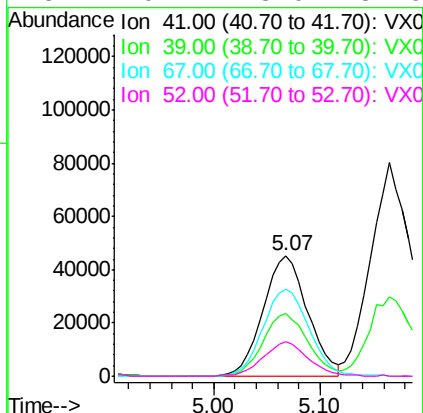
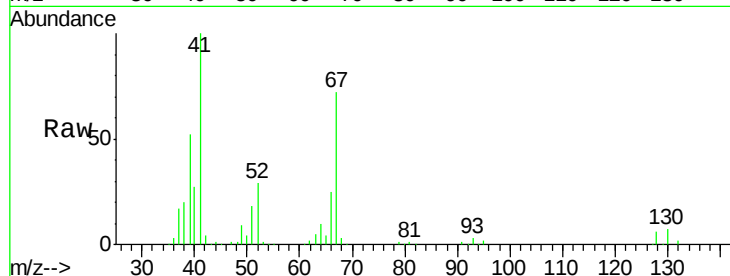




#41
Methacrylonitrile
Concen: 53.24 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

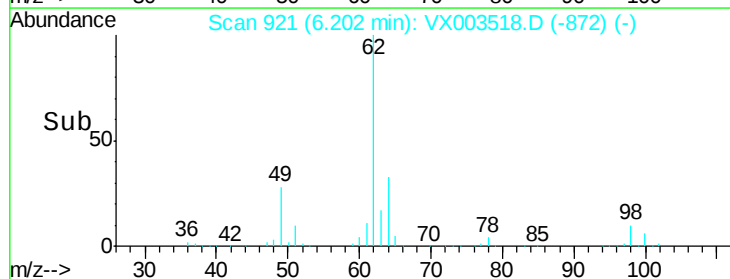
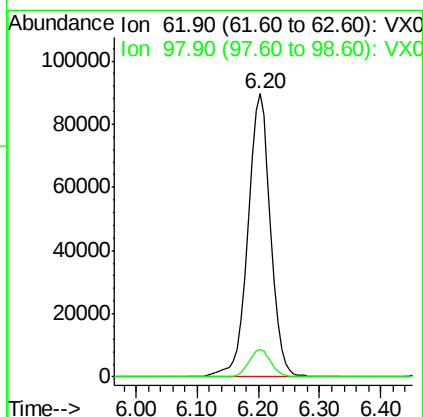
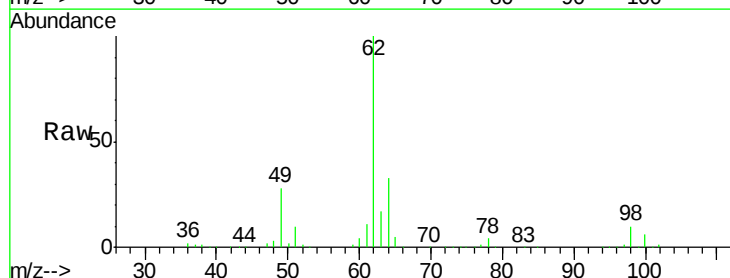
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

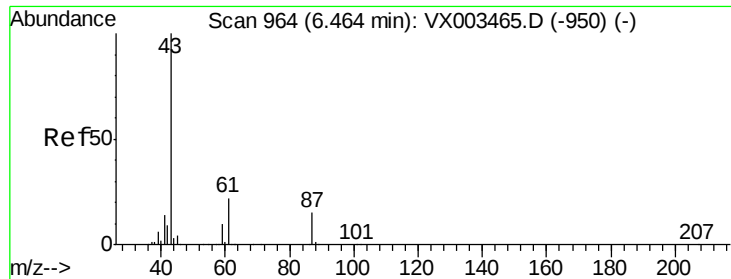
Tot Ion:	41	Resp:	132187
Ion	Ratio	Lower	Upper
41	100		
39	52.5	45.8	68.6
67	74.7	51.3	76.9
52	29.1	23.0	34.6



#42
1,2-Dichloroethane
Concen: 54.44 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion:	62	Resp:	231191
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	16.6



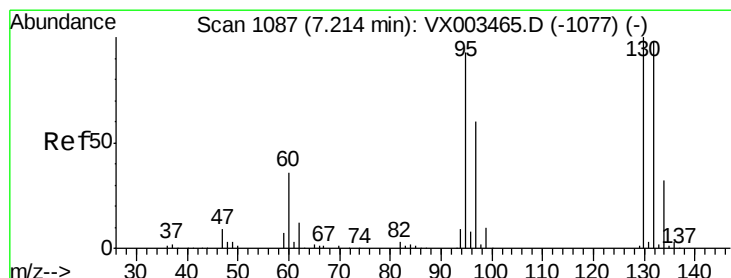
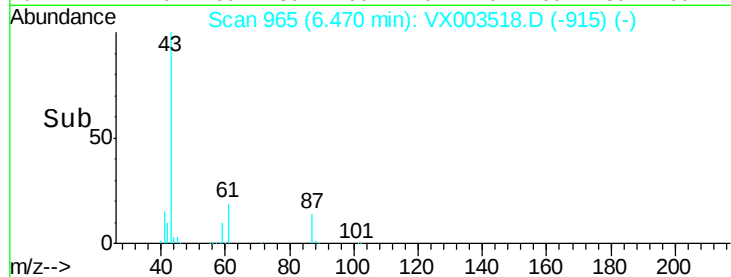
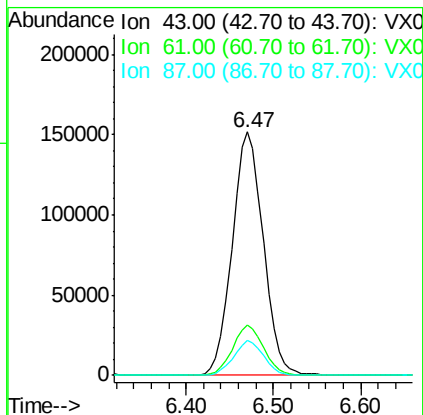
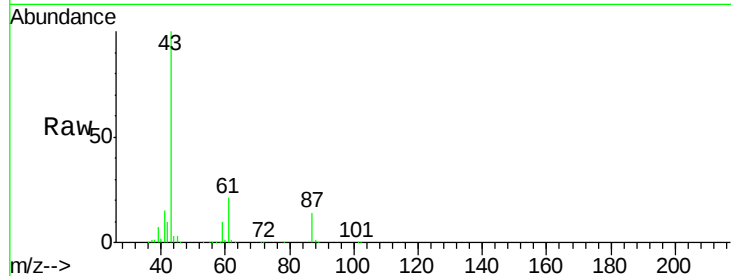


#43

Isopropyl Acetate
 Concen: 55.61 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

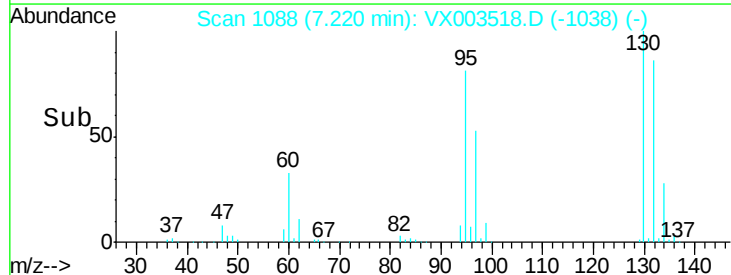
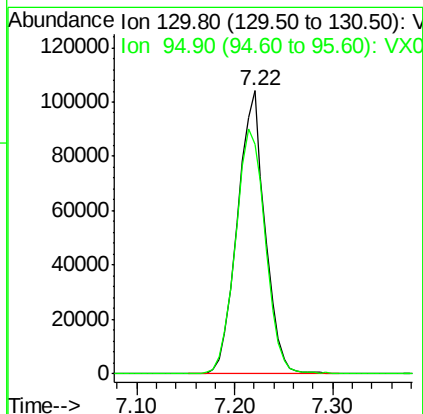
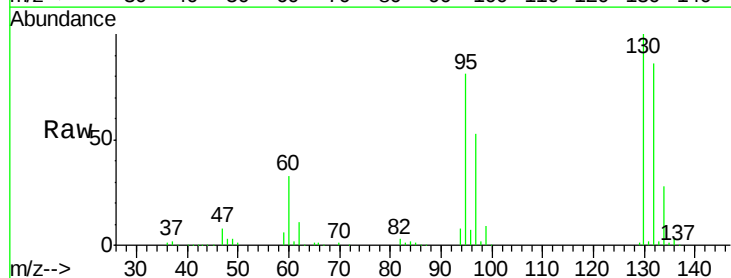
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	14.4	21.6
87	13.8	9.5	14.3

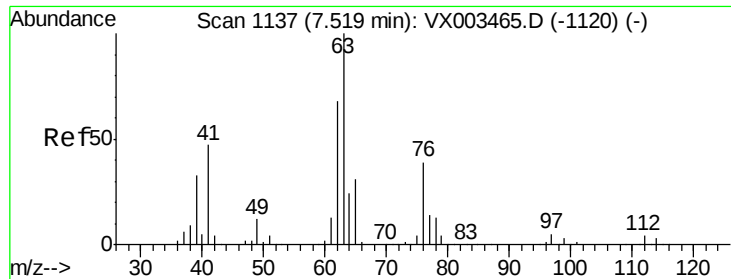


#44

Trichloroethene
 Concen: 50.77 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	81.0	0.0	185.4





#45

1,2-Dichloropropane

Concen: 53.42 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

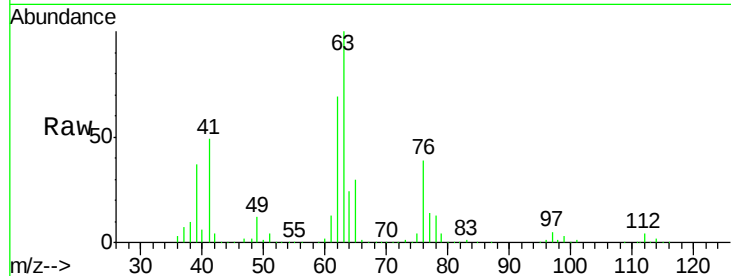
VSTDCCC050EC

Tot Ion: 63 Resp: 182837

Ion Ratio Lower Upper

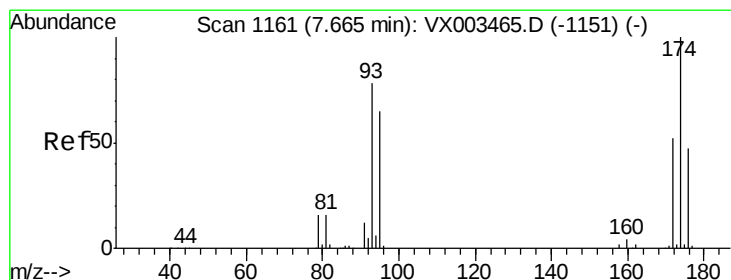
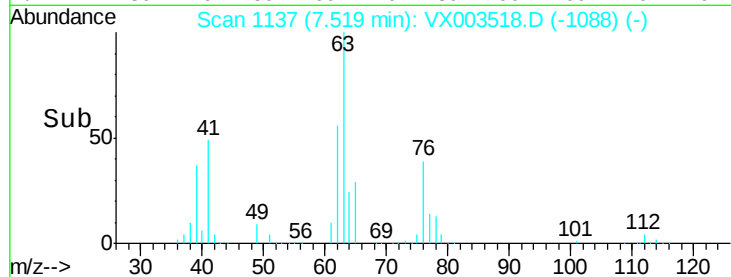
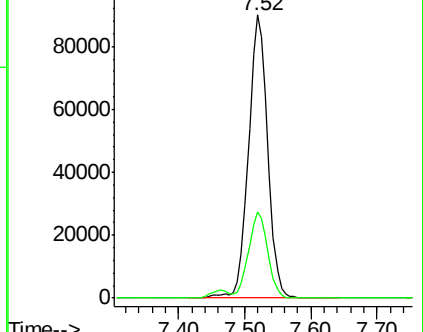
63 100

65 30.4 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 53.71 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

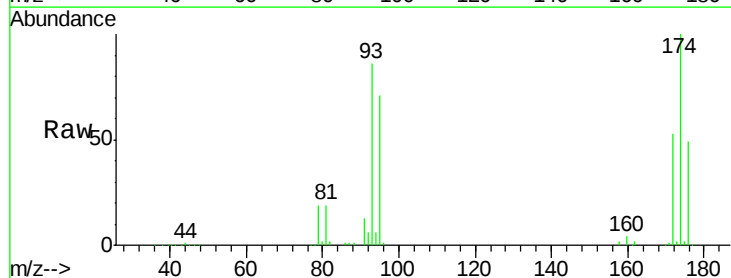
Tgt Ion: 93 Resp: 118352

Ion Ratio Lower Upper

93 100

95 82.8 65.9 98.9

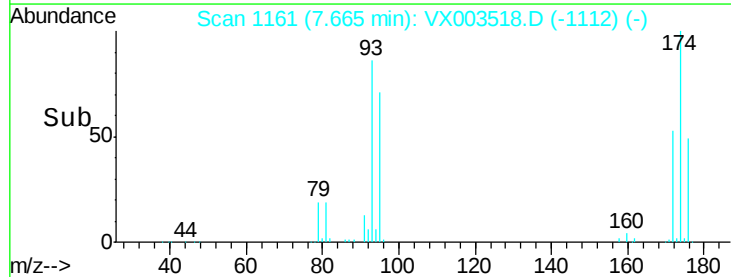
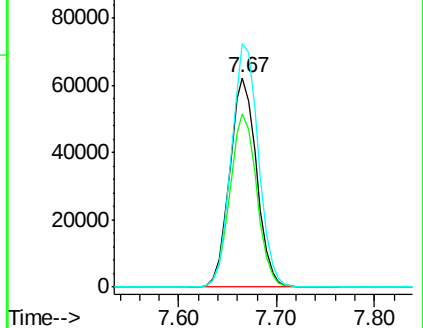
174 117.5 92.4 138.6

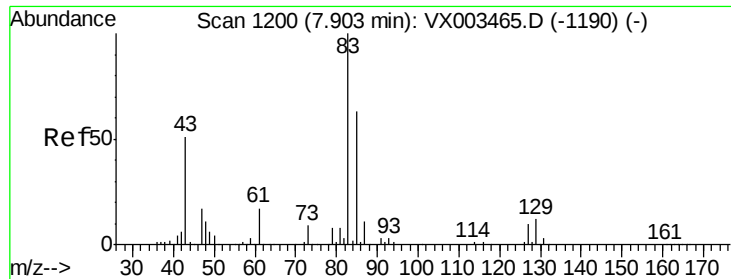


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.68 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

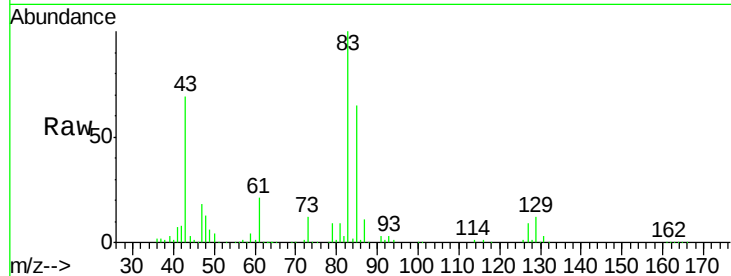
Tot Ion: 83 Resp: 220551

Ion Ratio Lower Upper

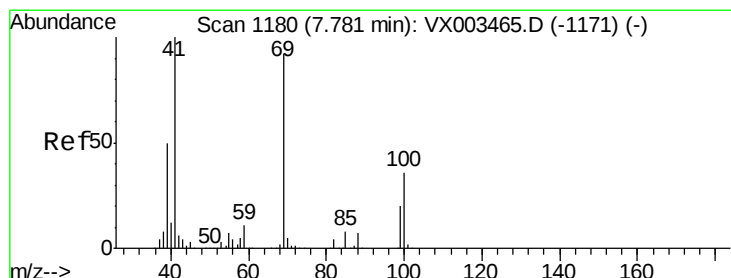
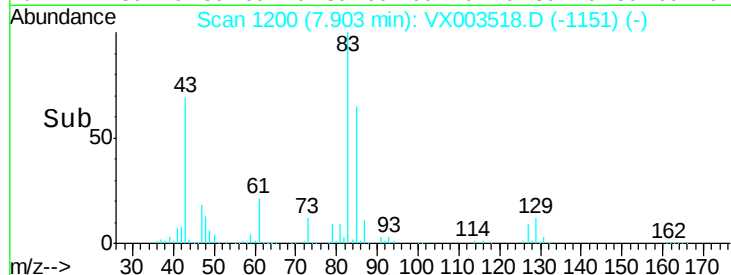
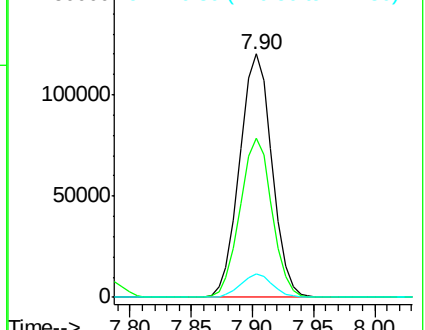
83 100

85 65.3 50.3 75.5

127 9.4 7.0 10.4



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: 57.88 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

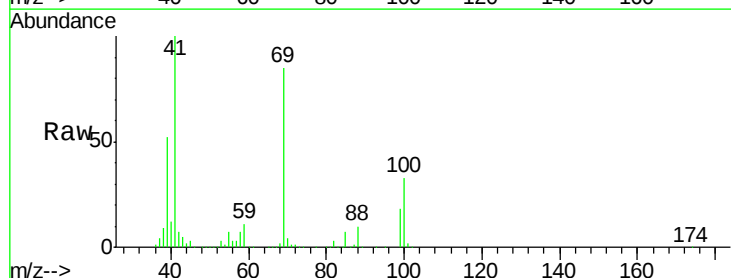
Tgt Ion: 41 Resp: 196142

Ion Ratio Lower Upper

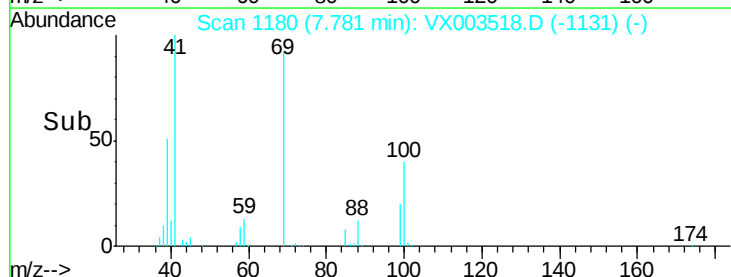
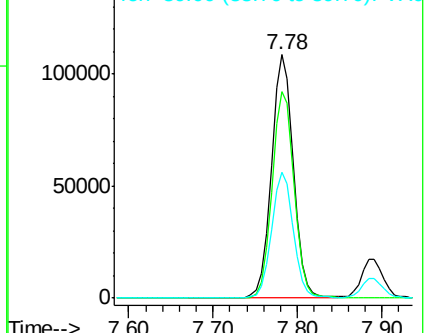
41 100

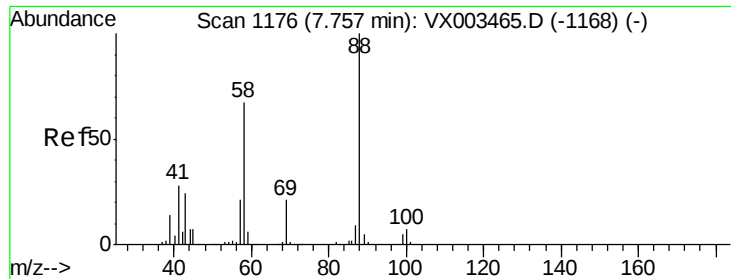
69 85.6 59.1 88.7

39 51.1 48.9 73.3



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

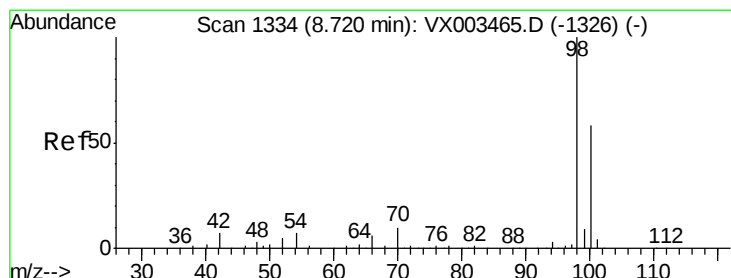
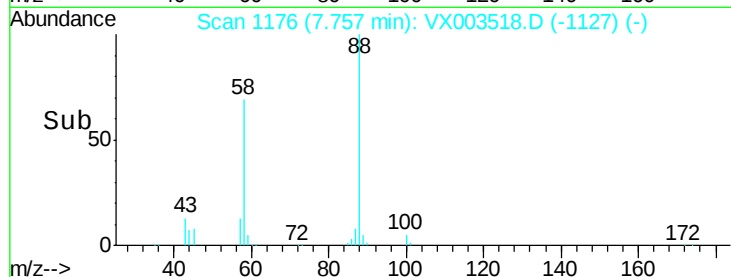
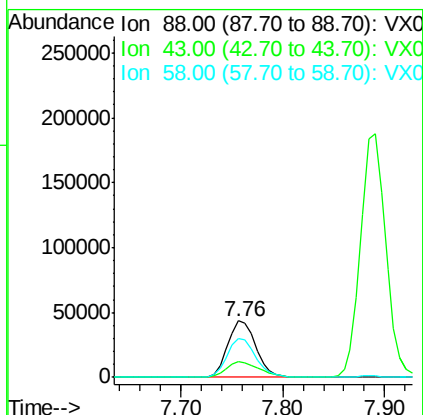
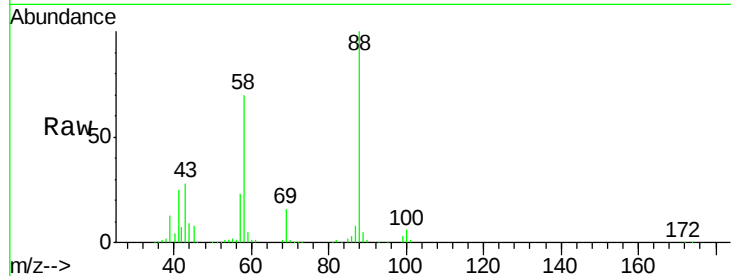




#49
1,4-Dioxane
Concen: 1080.71 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

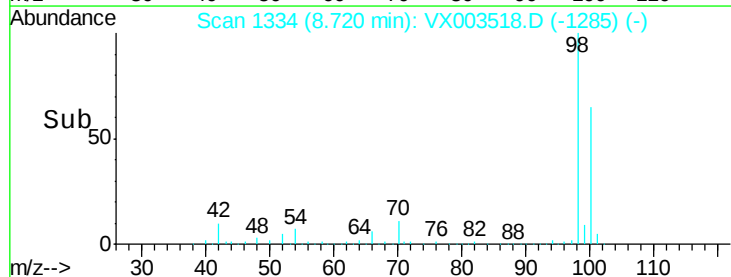
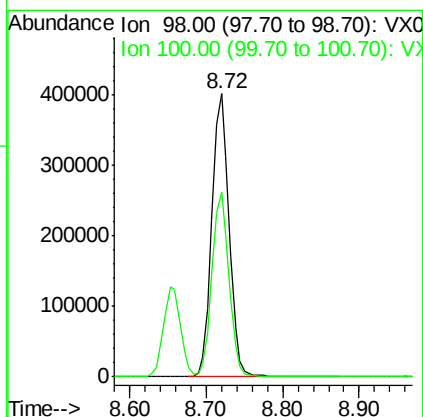
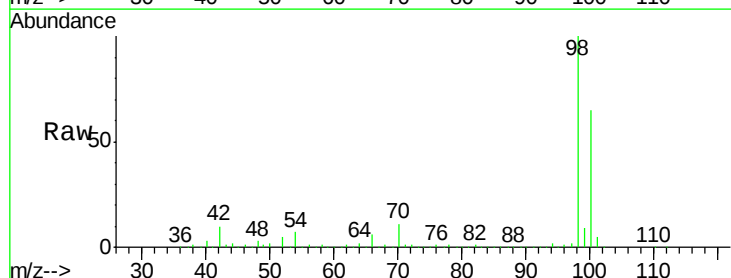
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

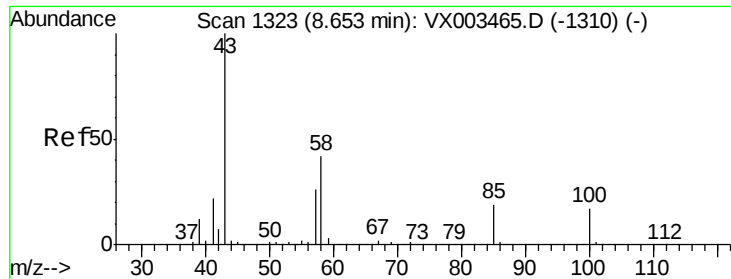
Tot Ion: 88 Resp: 82981
Ion Ratio Lower Upper
88 100
43 31.2 29.8 44.6
58 71.3 57.1 85.7



#50
Toluene-d8
Concen: 52.88 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion: 98 Resp: 625987
Ion Ratio Lower Upper
98 100
100 65.0 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 294.84 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

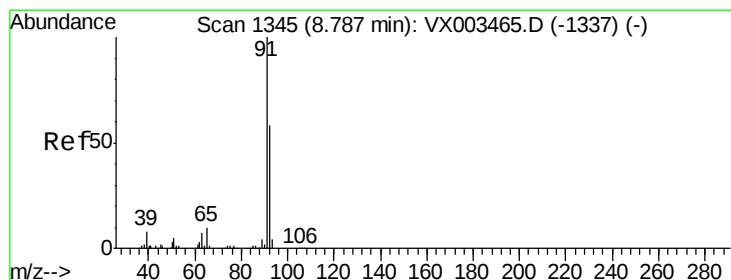
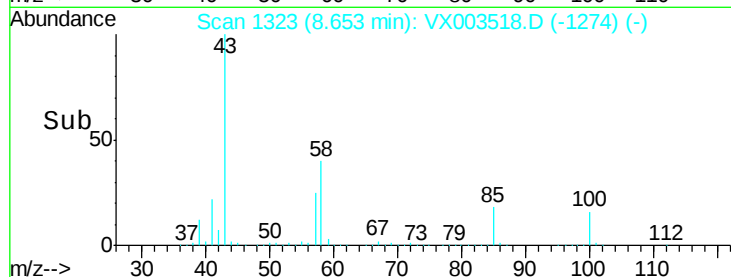
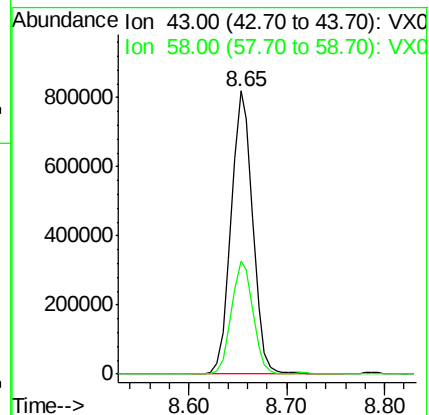
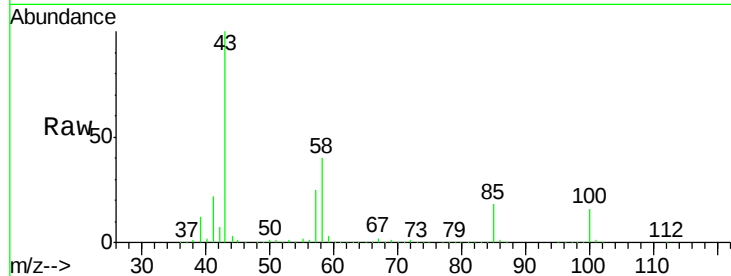
VSTDCCC050EC

Tot Ion: 43 Resp: 1251699

Ion Ratio Lower Upper

43 100

58 39.9 28.6 42.8



#52

Toluene

Concen: 52.61 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003518.D

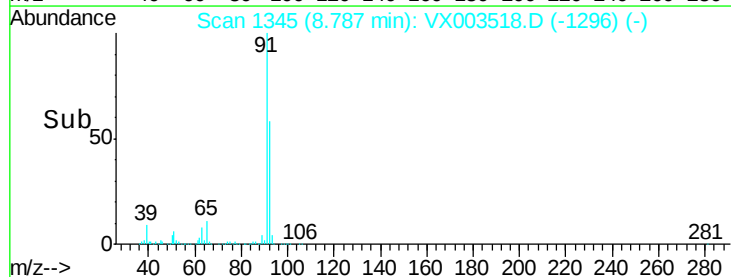
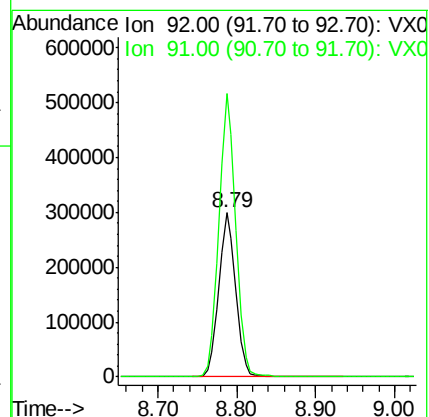
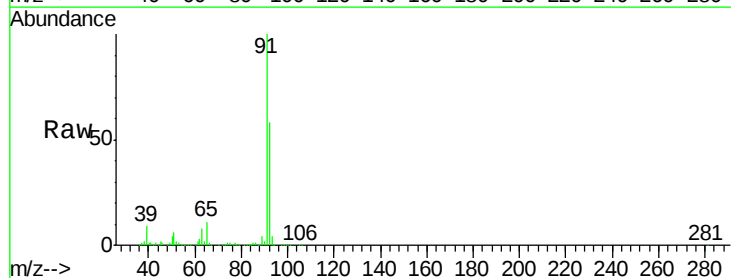
Acq: 20 Jul 2018 19:11

Tgt Ion: 92 Resp: 446328

Ion Ratio Lower Upper

92 100

91 172.5 140.4 210.6

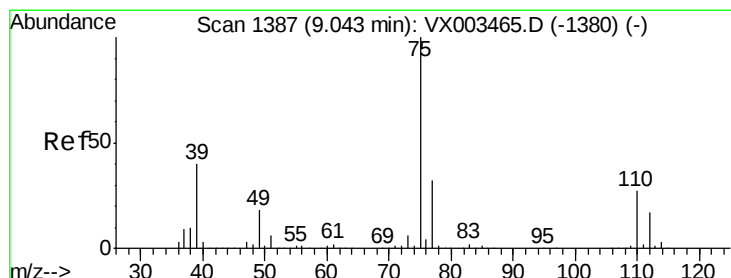
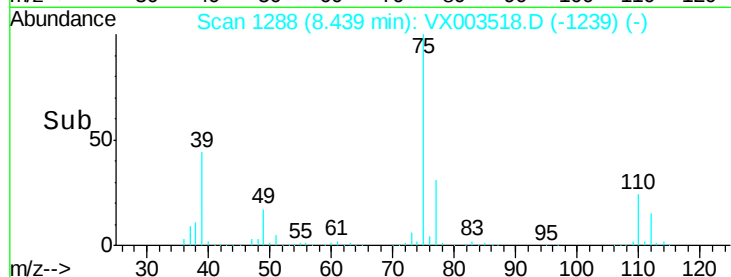
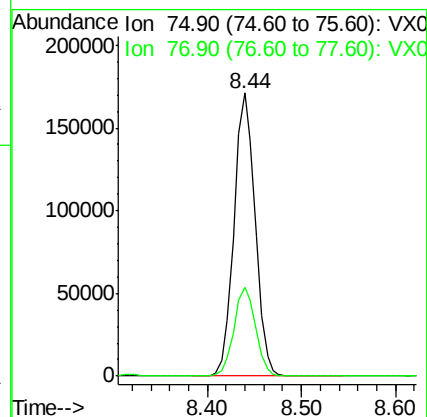
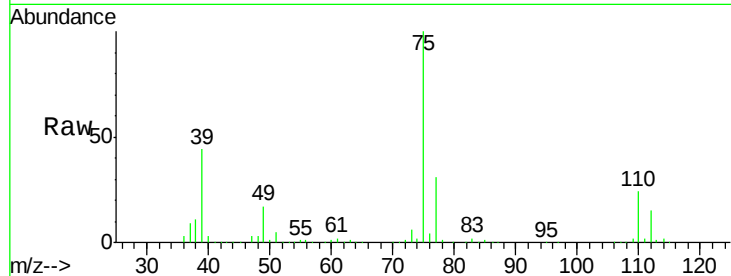




#53
 t-1,3-Dichloropropene
 Concen: 53.71 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

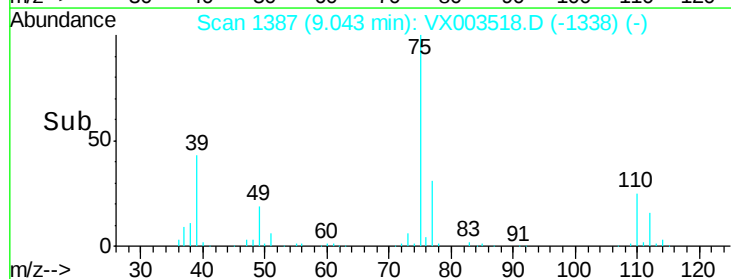
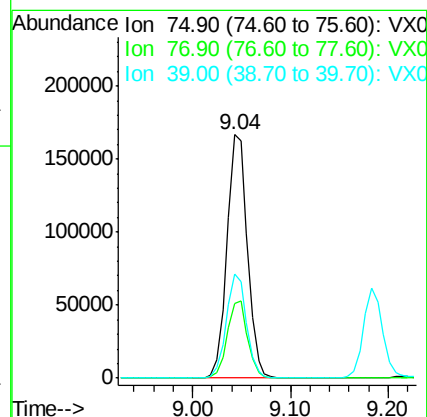
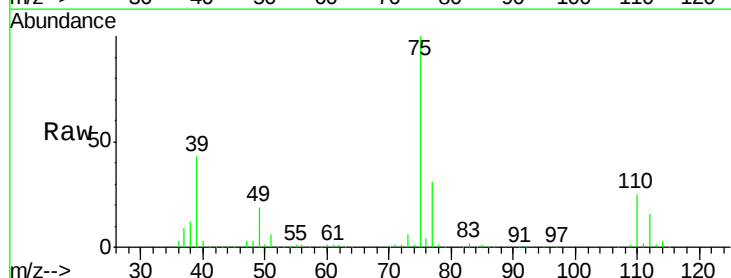
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

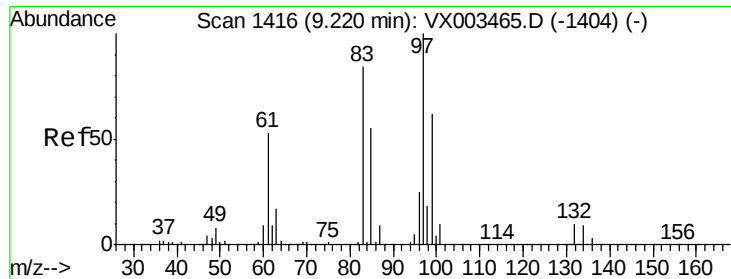
Tot Ion: 75 Resp: 266658
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 54.10 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion: 75 Resp: 241534
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.8 37.2
 39 42.9 42.4 63.6

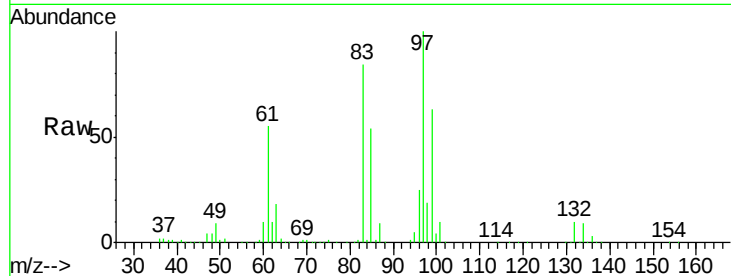




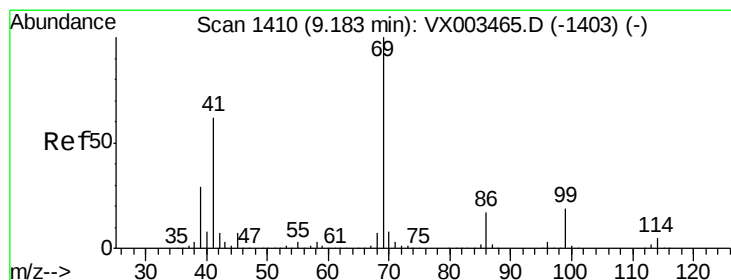
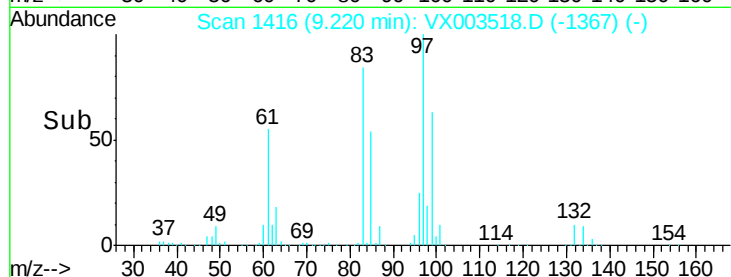
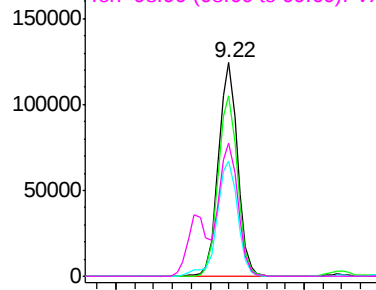
#55
 1,1,2-Trichloroethane
 Concen: 52.59 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	177535
Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.2	105.2
85	54.1	44.9	67.3
99	62.5	49.8	74.8

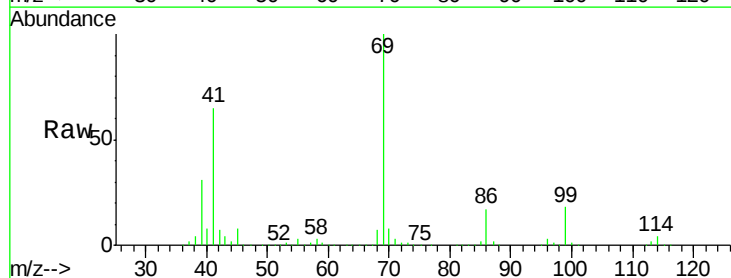


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

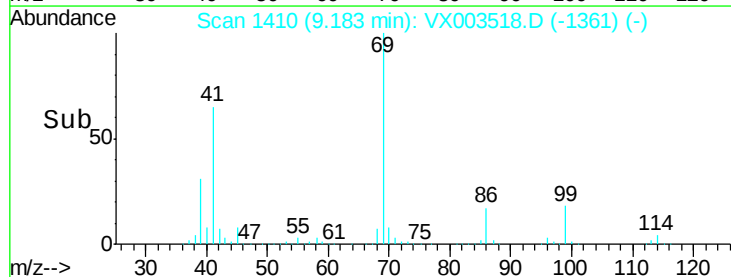
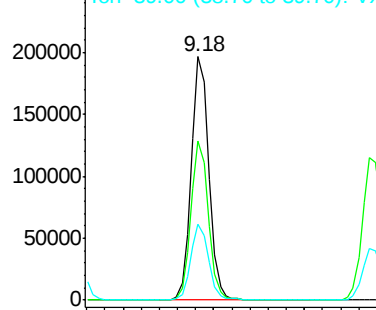


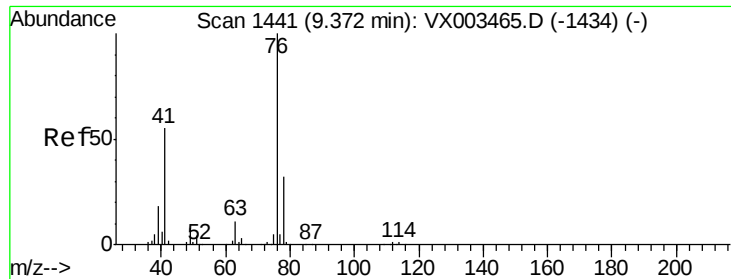
#56
 Ethyl methacrylate
 Concen: 56.01 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion:	69	Resp:	266327
Ion	Ratio	Lower	Upper
69	100		
41	65.0	60.3	90.5
39	31.6	35.8	53.8#



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

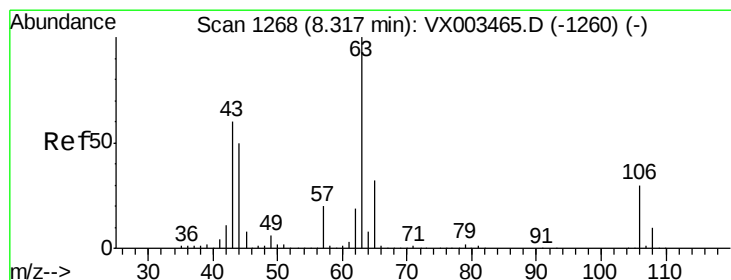
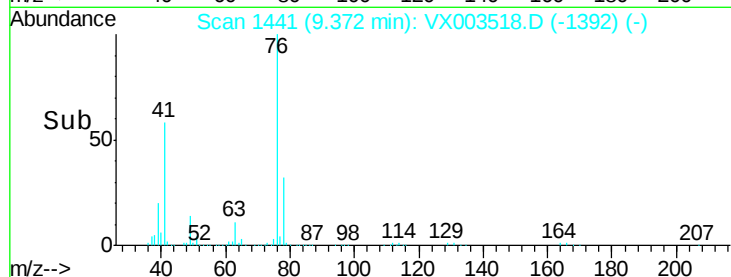
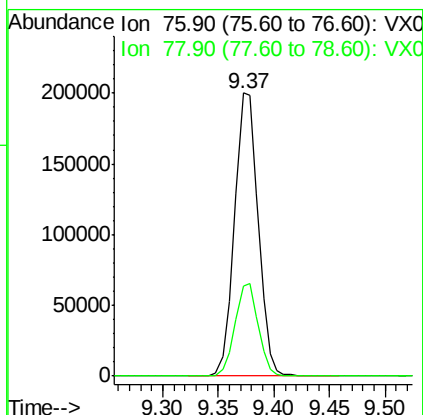
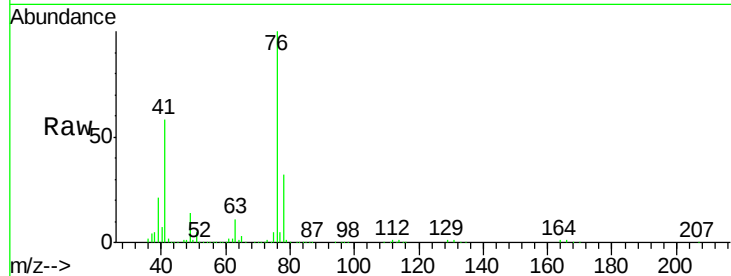




#57
 1,3-Dichloropropane
 Concen: 53.99 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

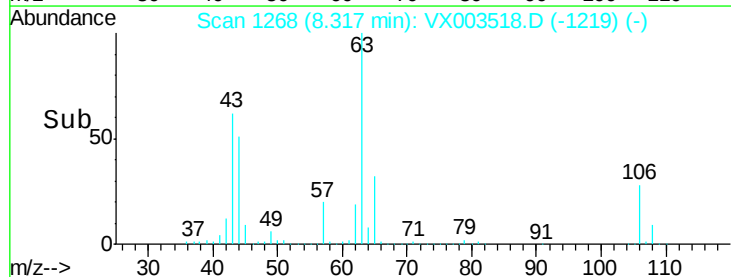
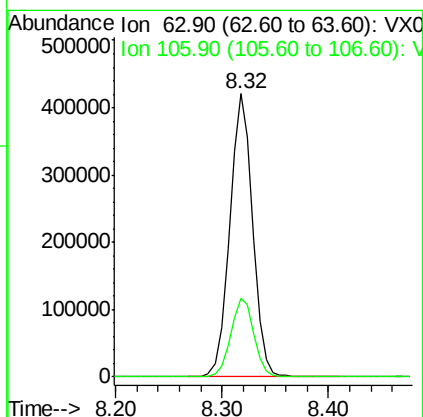
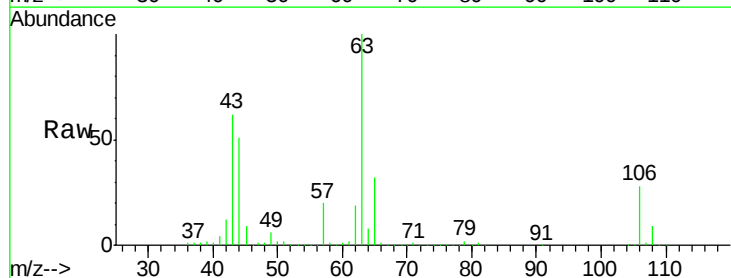
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 294618
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.54 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion: 63 Resp: 630171
 Ion Ratio Lower Upper
 63 100
 106 28.3 21.8 32.8

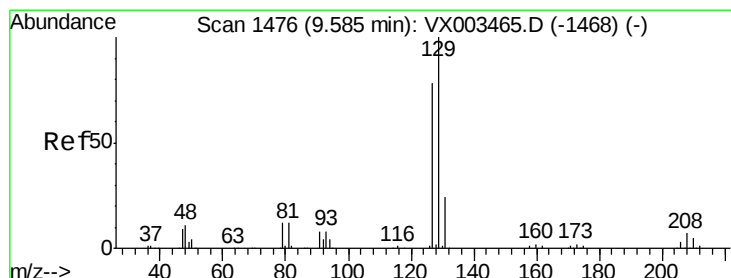
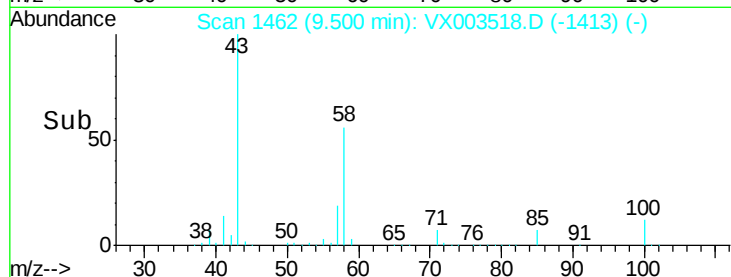
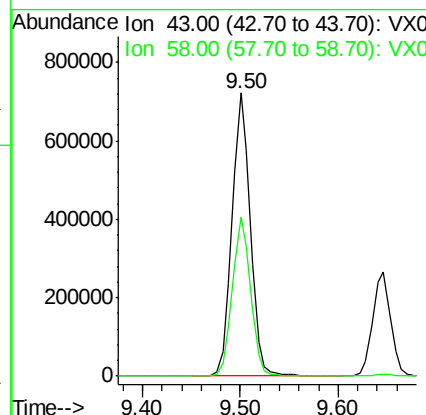
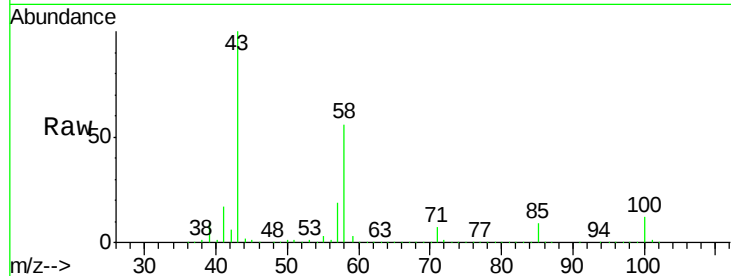




#59
 2-Hexanone
 Concen: 299.08 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

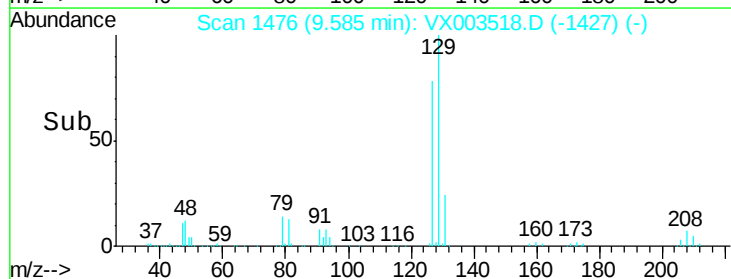
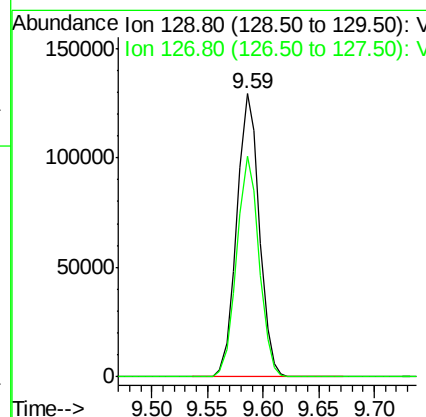
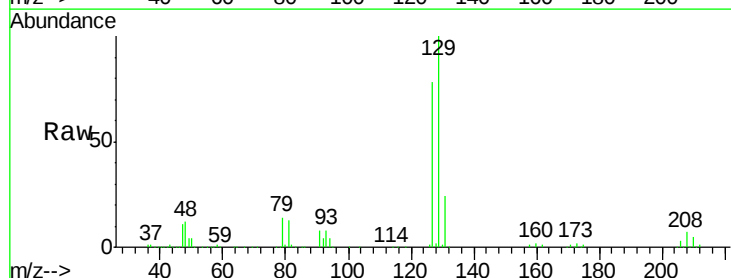
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

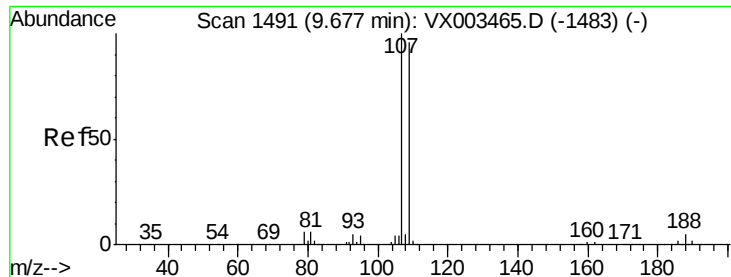
Tot Ion: 43 Resp: 940734
 Ion Ratio Lower Upper
 43 100
 58 56.3 24.6 73.6



#60
 Dibromochloromethane
 Concen: 54.22 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion: 129 Resp: 181191
 Ion Ratio Lower Upper
 129 100
 127 77.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 53.86 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

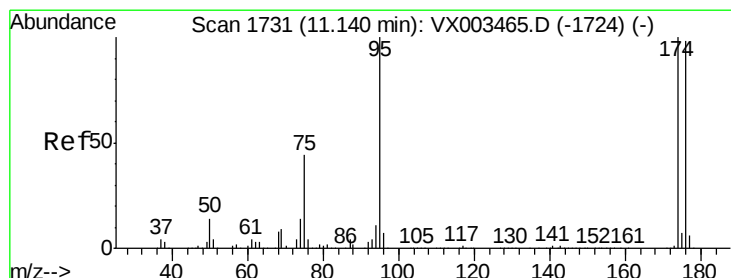
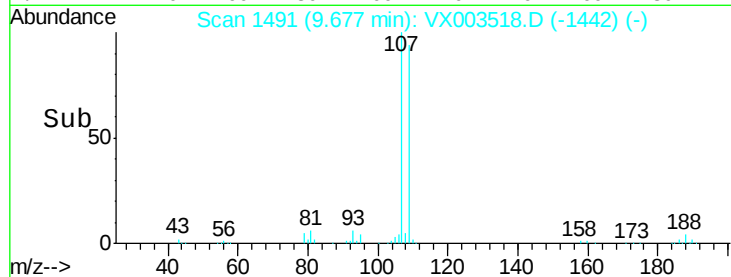
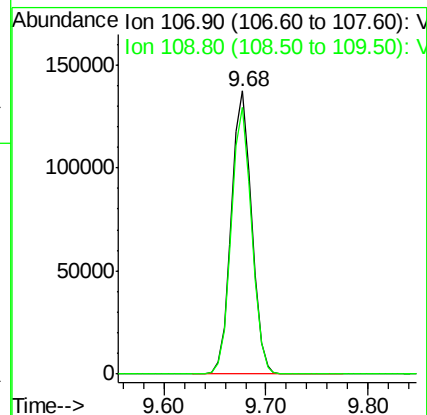
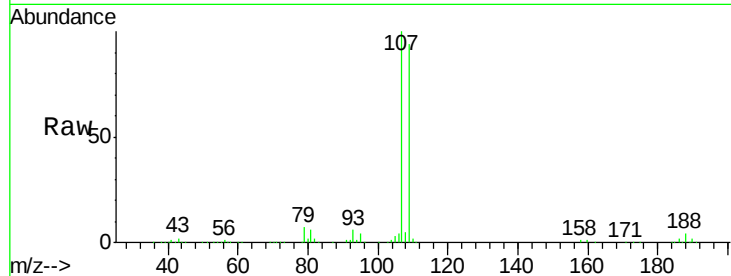
VSTDCCC050EC

Tot Ion:107 Resp: 188487

Ion Ratio Lower Upper

107 100

109 94.5 75.3 112.9



#62

4-Bromofluorobenzene

Concen: 52.99 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

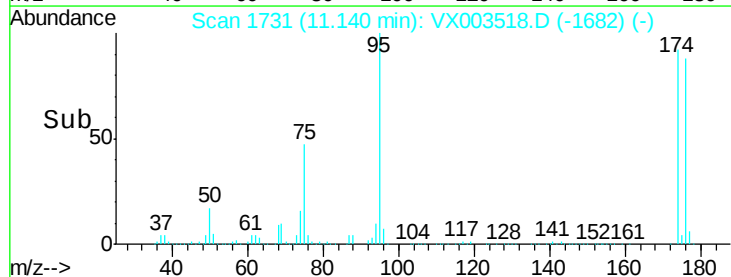
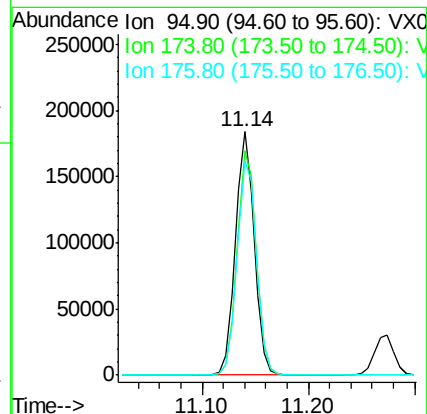
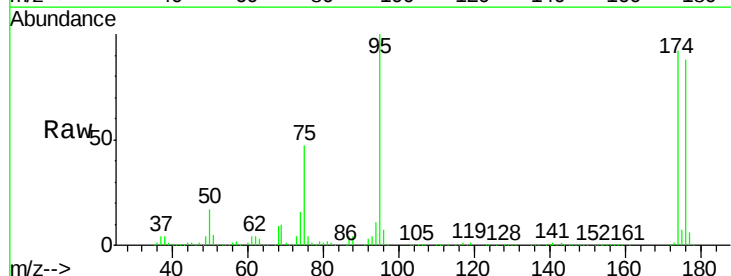
Tgt Ion: 95 Resp: 228929

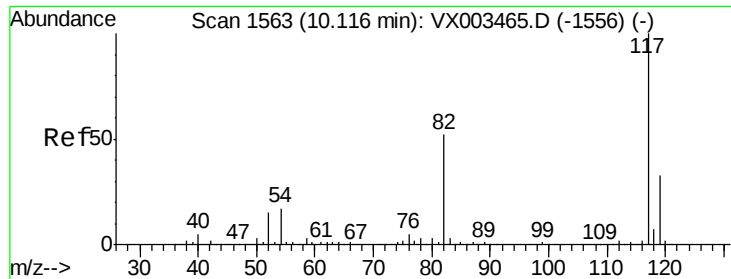
Ion Ratio Lower Upper

95 100

174 94.2 0.0 187.4

176 90.9 0.0 181.0

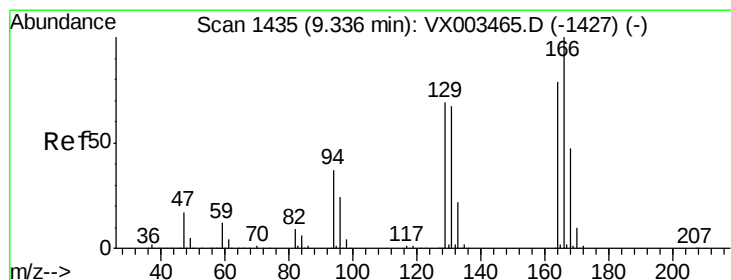
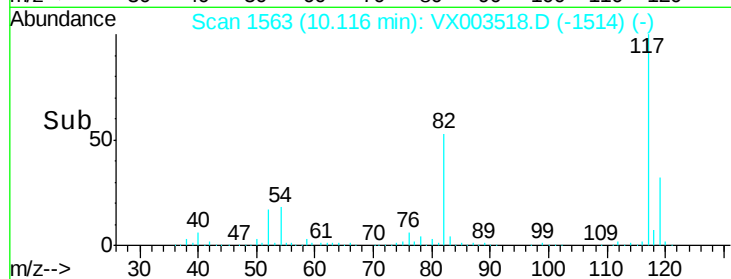
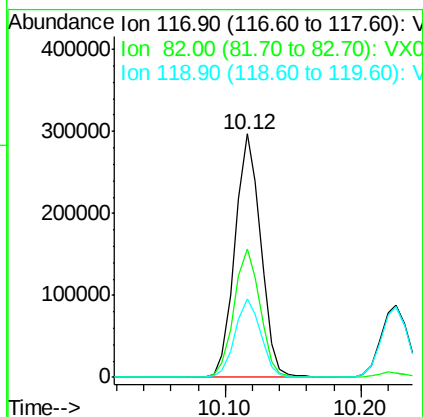
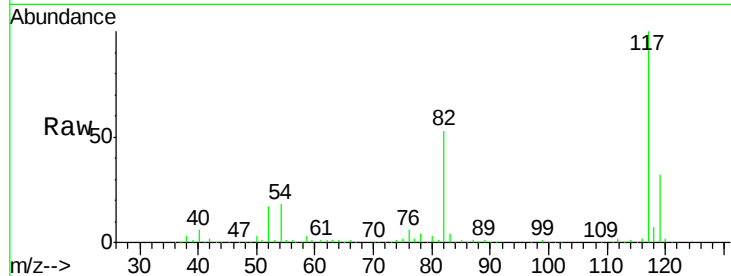




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

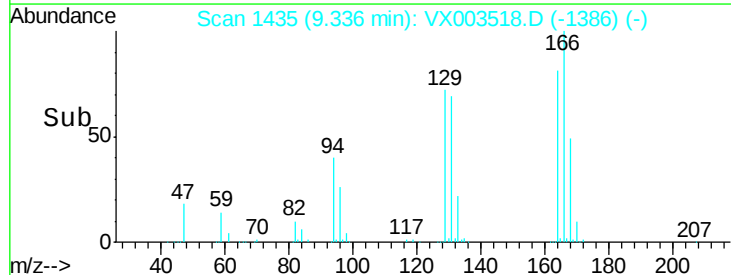
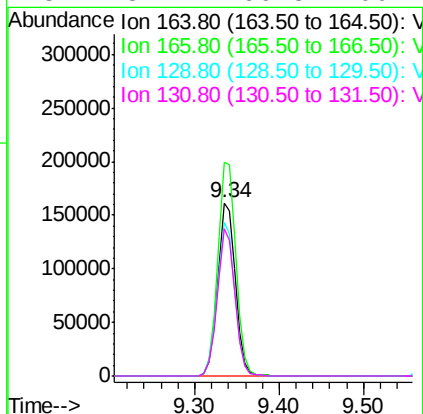
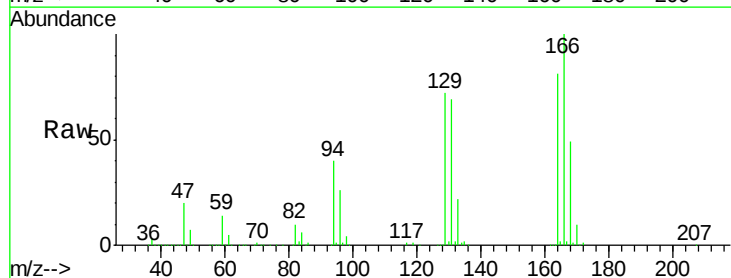
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

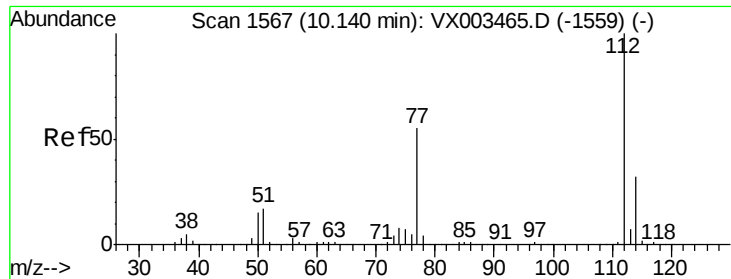
Tot Ion:117 Resp: 393625
Ion Ratio Lower Upper
117 100
82 52.6 45.0 67.4
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 49.05 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion:164 Resp: 235232
Ion Ratio Lower Upper
164 100
166 123.2 102.9 154.3
129 88.9 68.6 102.8
131 84.7 66.8 100.2

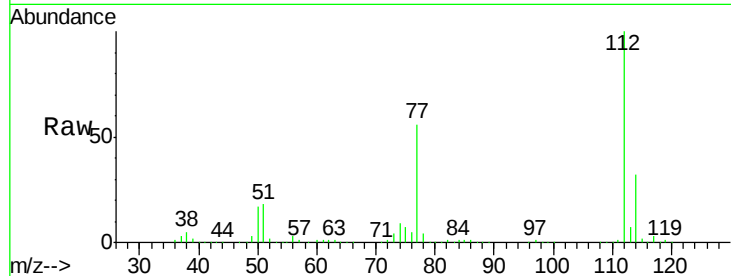




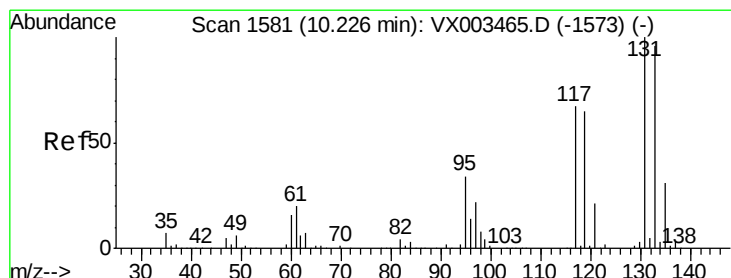
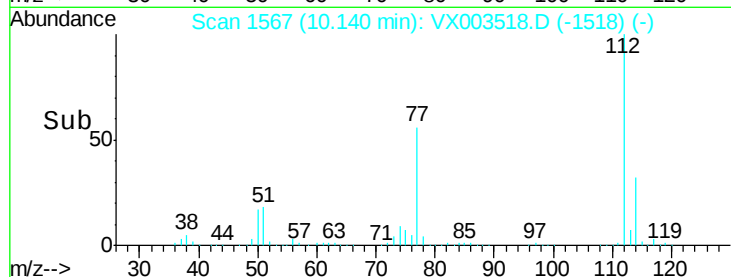
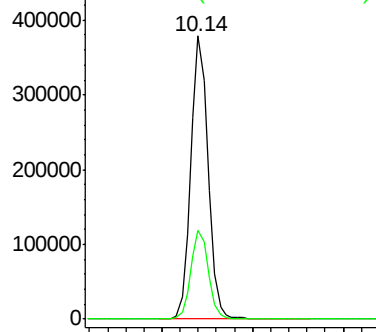
#65
Chlorobenzene
Concen: 49.87 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 505823
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

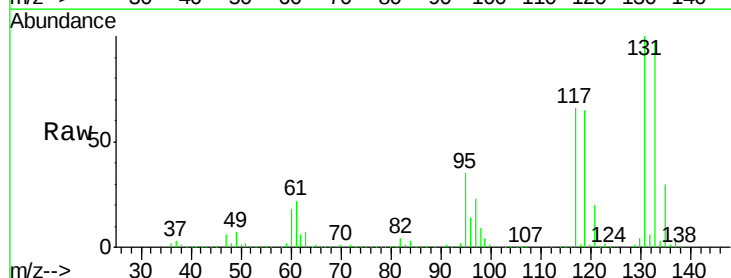


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

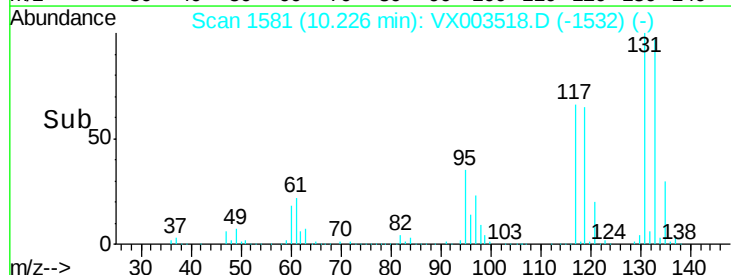
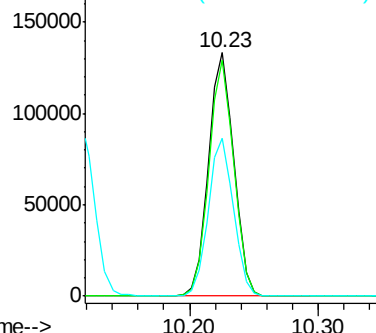


#66
1,1,1,2-Tetrachloroethane
Concen: 51.93 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion:131 Resp: 181203
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.6
119 64.5 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

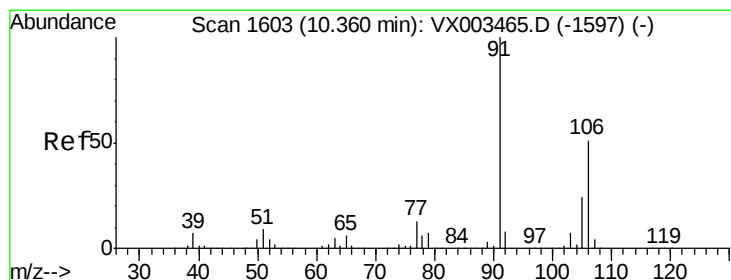
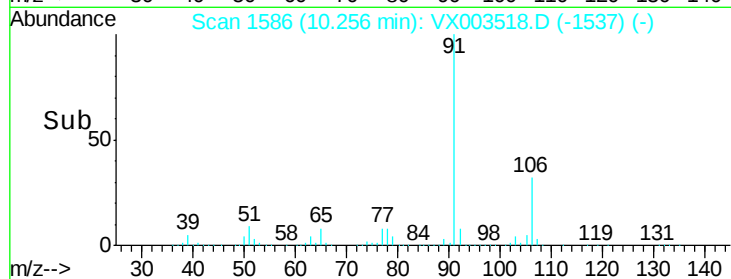
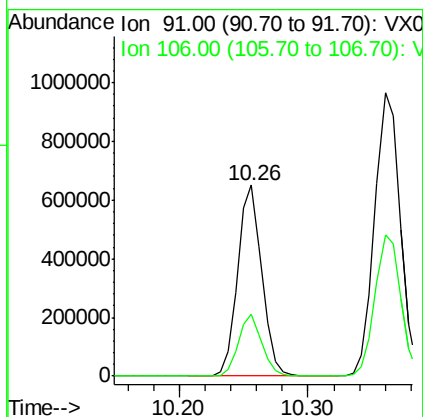
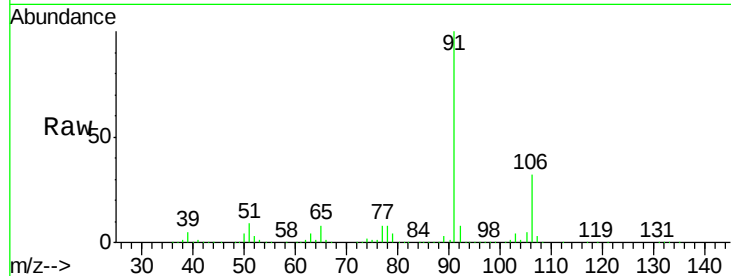




#67
Ethyl Benzene
Concen: 52.08 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

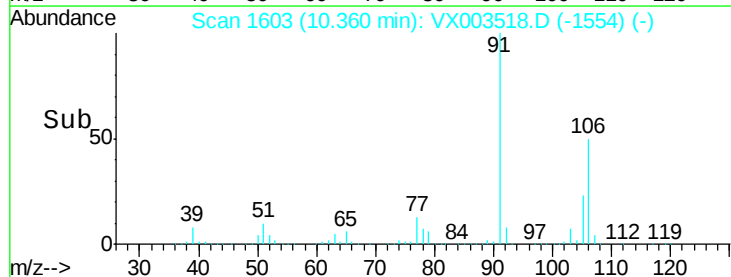
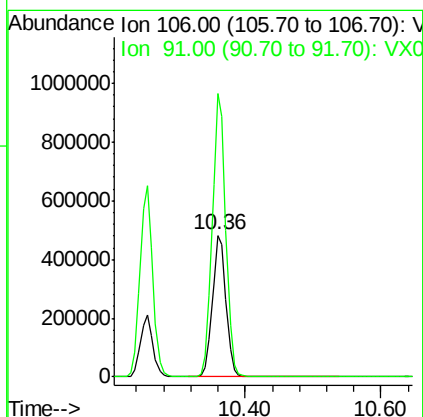
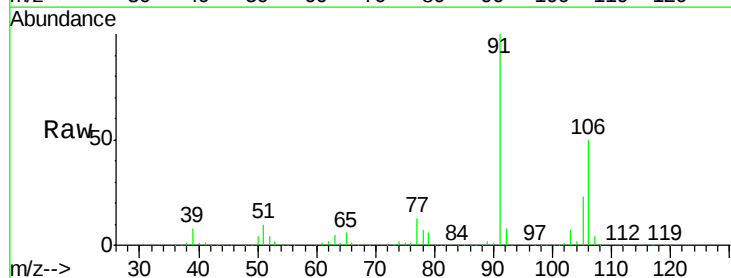
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

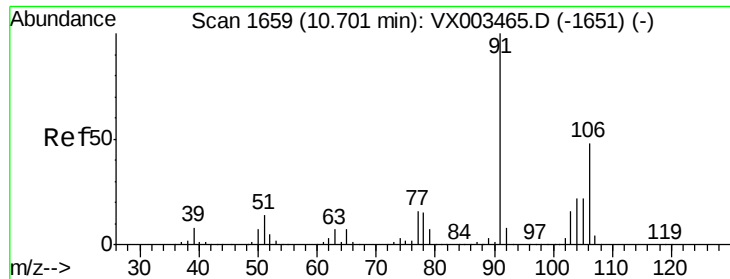
Tot Ion: 91 Resp: 849256
Ion Ratio Lower Upper
91 100
106 32.2 25.5 38.3



#68
m/p-Xylenes
Concen: 104.38 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion: 106 Resp: 667260
Ion Ratio Lower Upper
106 100
91 198.3 163.4 245.2

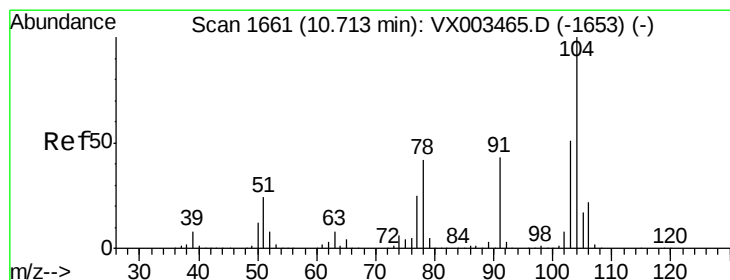
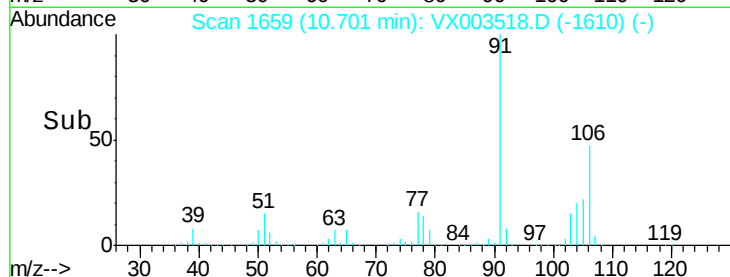
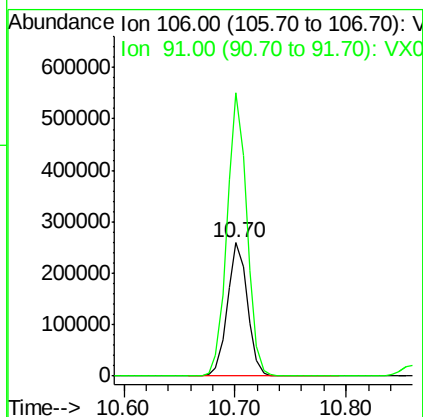
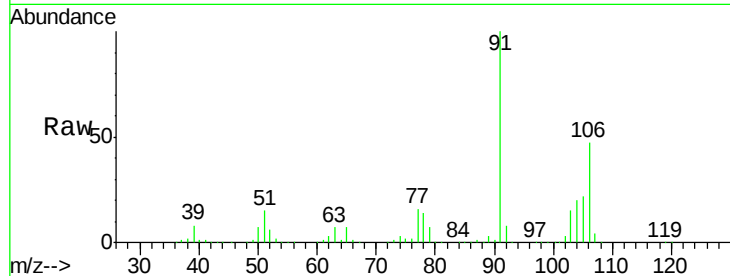




#69
o-Xylene
Concen: 52.29 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

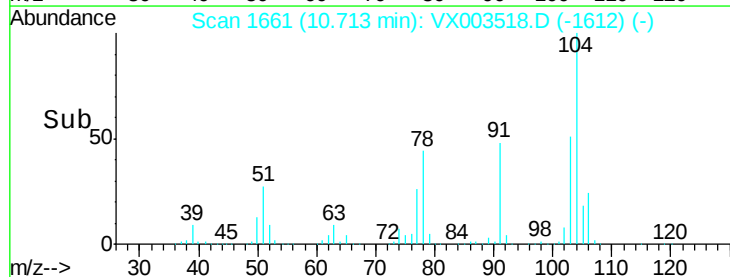
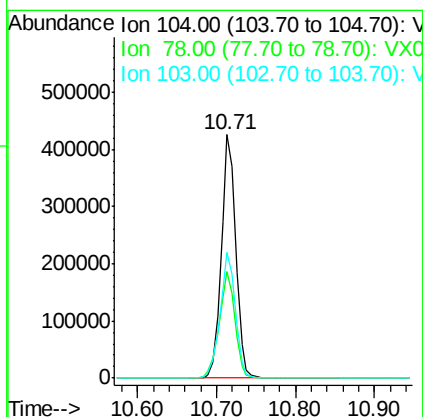
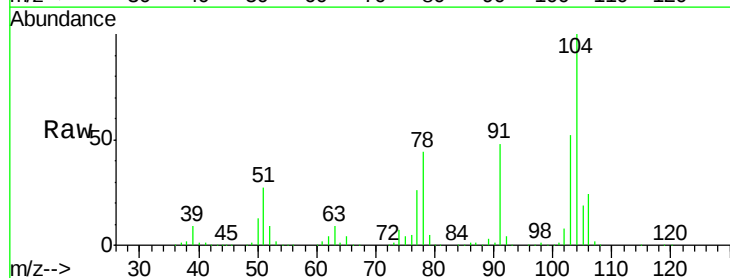
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

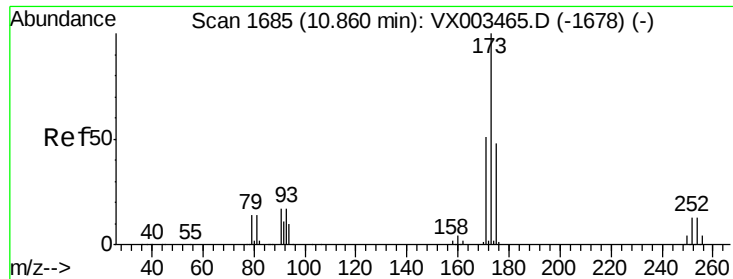
Tot Ion:106 Resp: 323229
Ion Ratio Lower Upper
106 100
91 209.7 108.2 324.6



#70
Styrene
Concen: 53.49 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion:104 Resp: 543903
Ion Ratio Lower Upper
104 100
78 47.5 41.0 61.6
103 55.0 44.2 66.4





#71

Bromoform

Concen: 52.38 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

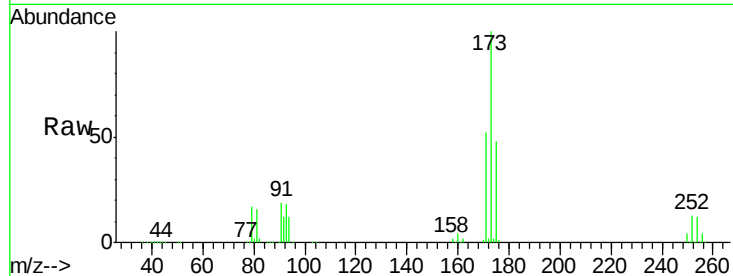
Tot Ion:173 Resp: 142012

Ion Ratio Lower Upper

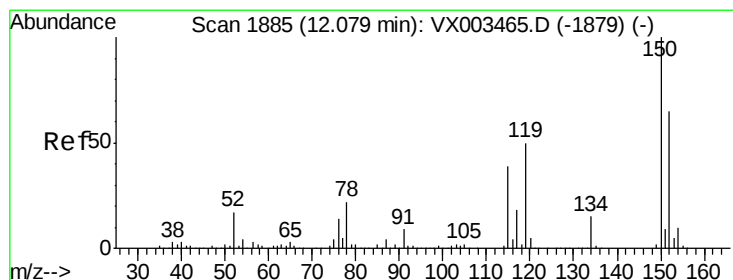
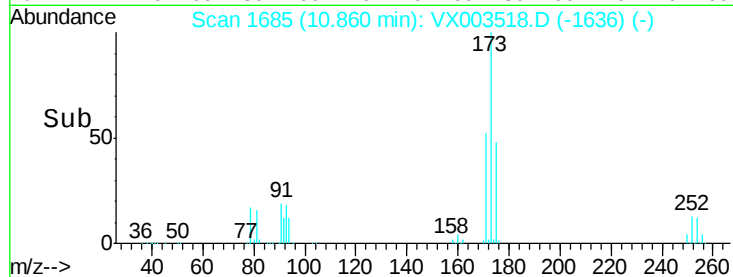
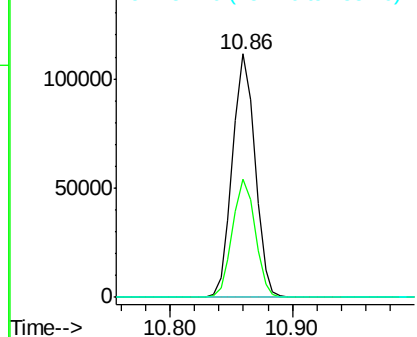
173 100

175 49.0 24.7 74.1

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

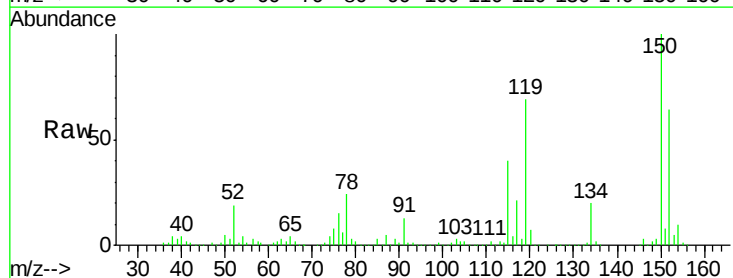
Tgt Ion:152 Resp: 239018

Ion Ratio Lower Upper

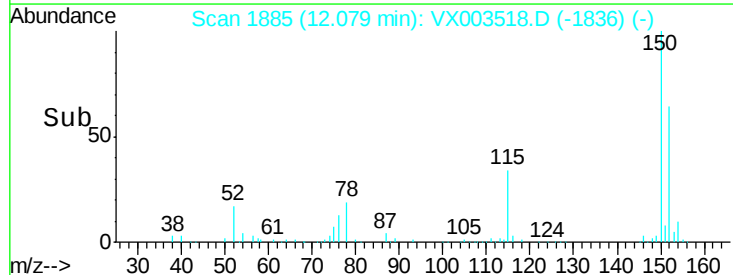
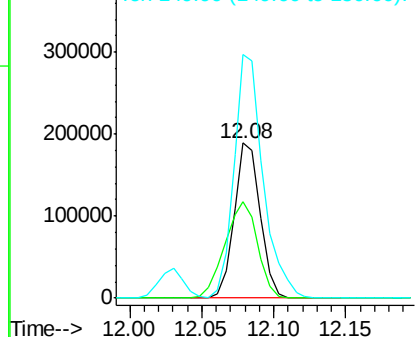
152 100

115 77.8 40.1 120.2

150 175.5 0.0 347.2



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





#73

Isopropylbenzene

Concen: 52.15 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

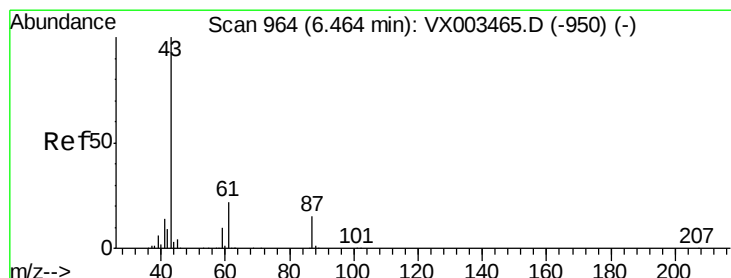
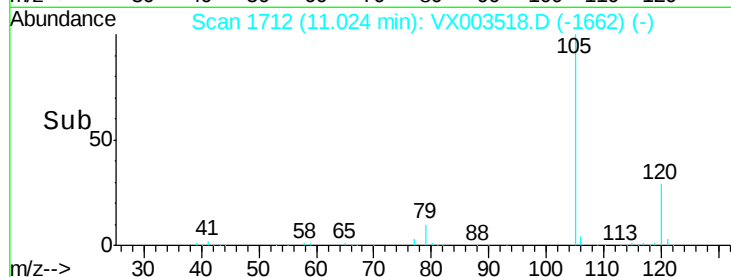
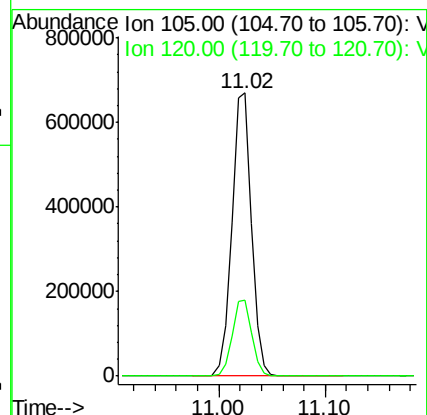
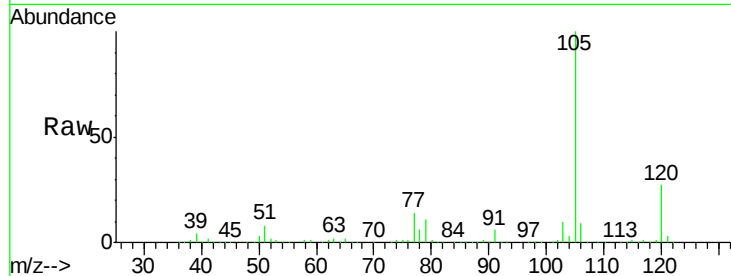
VSTDCCC050EC

Tot Ion:105 Resp: 862006

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



#74

N-ethyl acetate

Concen: 53.24 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Tgt Ion: 43 Resp: 373687

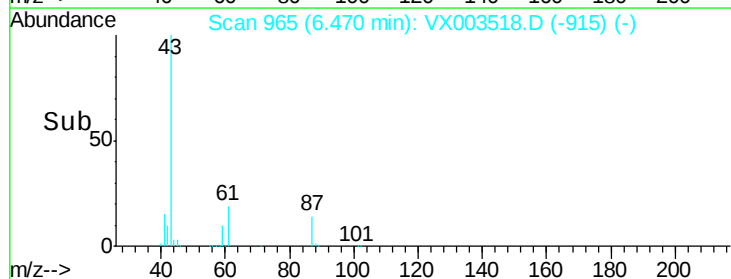
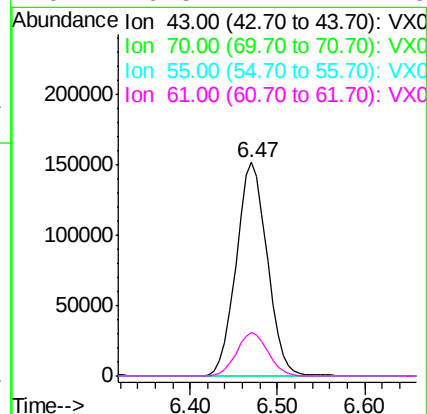
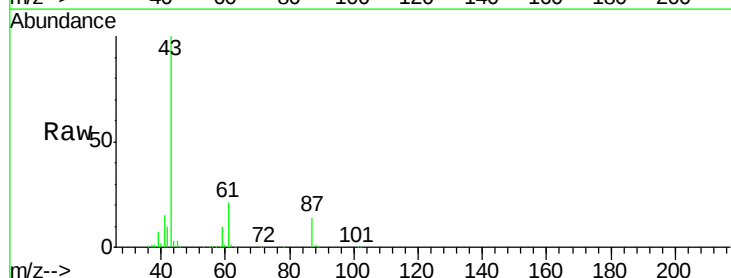
Ion Ratio Lower Upper

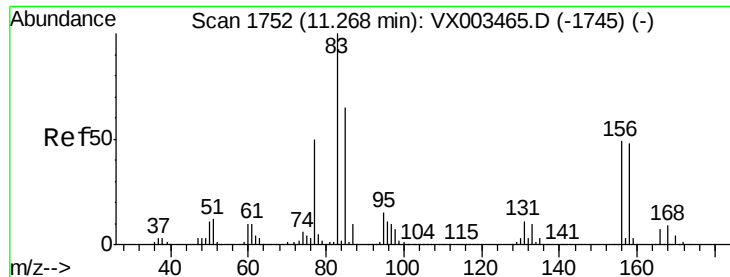
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.5 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.38 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

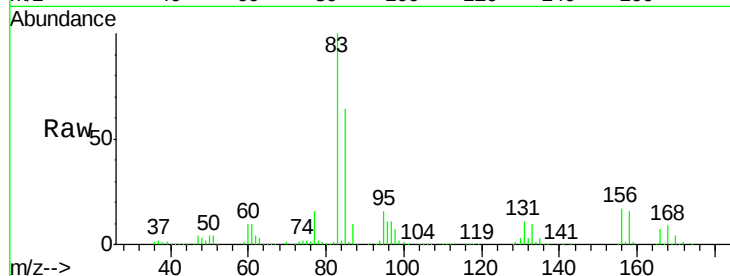
Tot Ion: 83 Resp: 258592

Ion Ratio Lower Upper

83 100

131 10.9 5.6 16.8

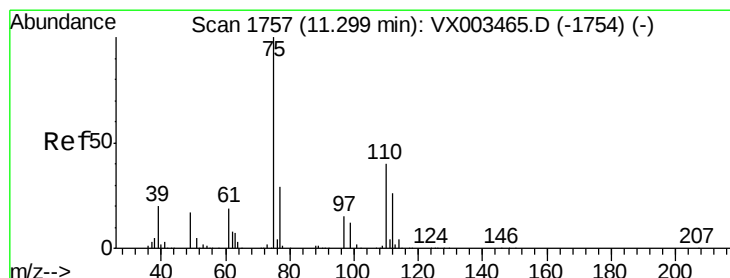
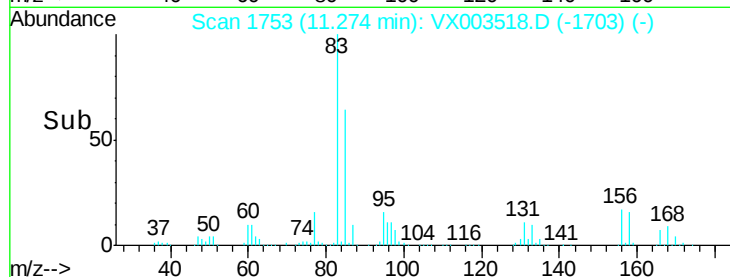
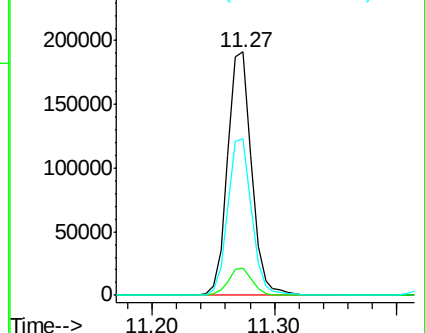
85 64.2 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 70.24 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003518.D

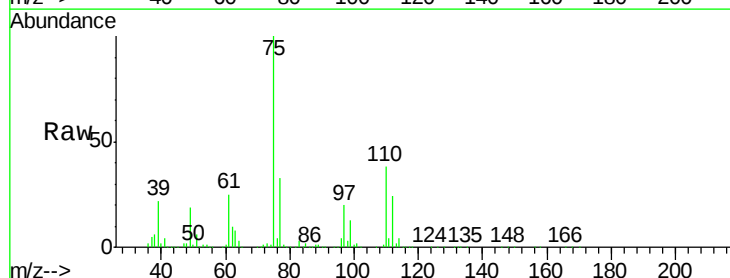
Acq: 20 Jul 2018 19:11

Tgt Ion: 75 Resp: 301594

Ion Ratio Lower Upper

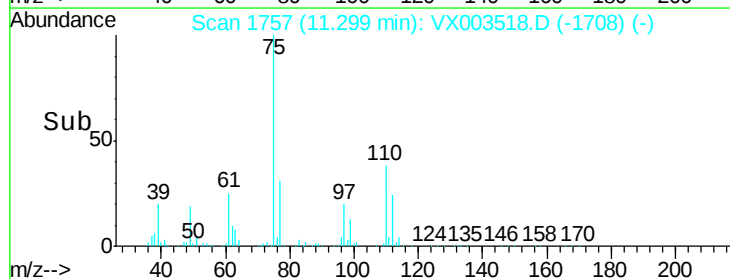
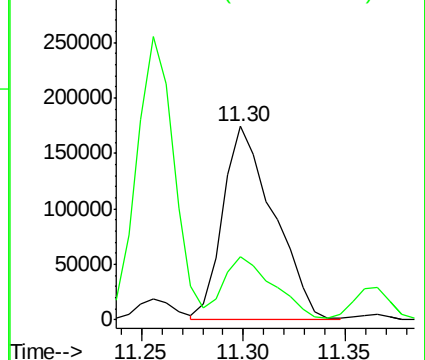
75 100

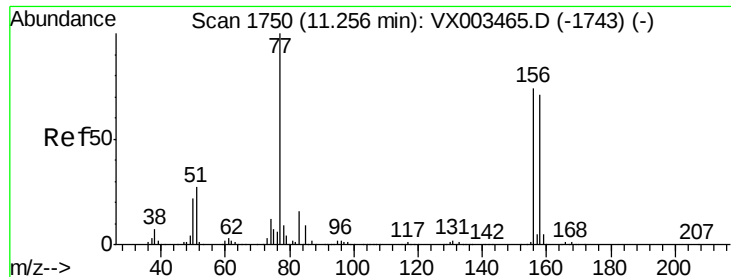
77 32.4 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.88 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

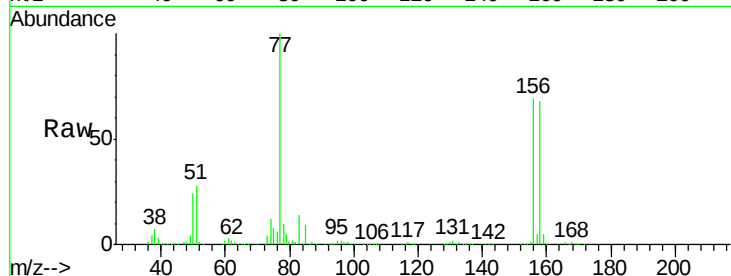
Tot Ion:156 Resp: 232399

Ion Ratio Lower Upper

156 100

77 139.6 71.4 214.2

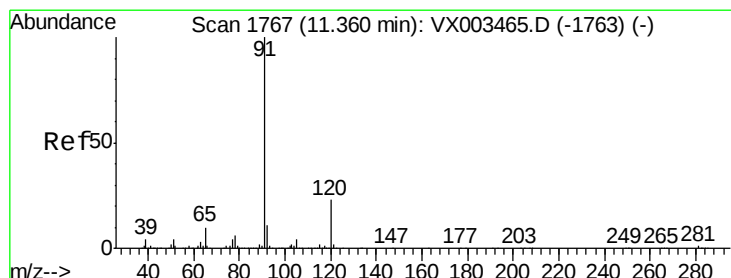
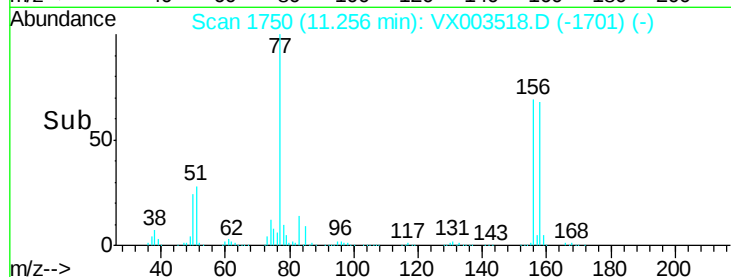
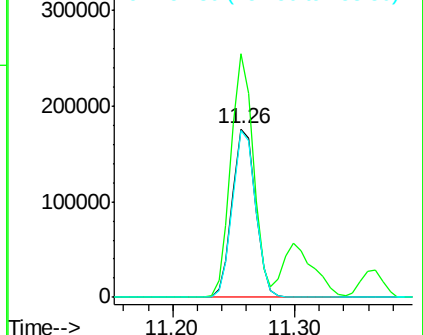
158 97.9 48.9 146.6



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: 52.80 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003518.D

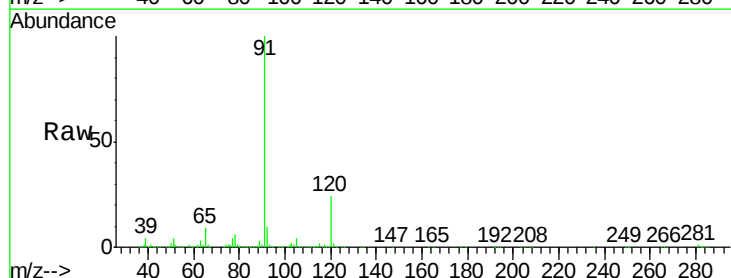
Acq: 20 Jul 2018 19:11

Tgt Ion: 91 Resp: 970144

Ion Ratio Lower Upper

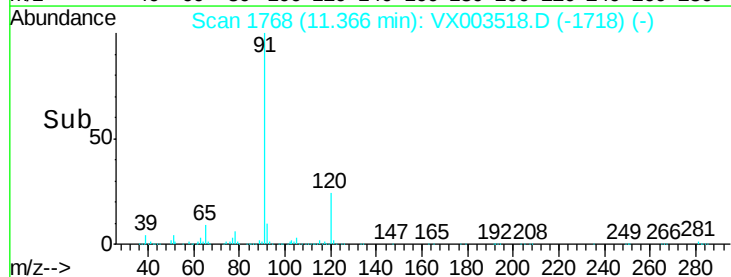
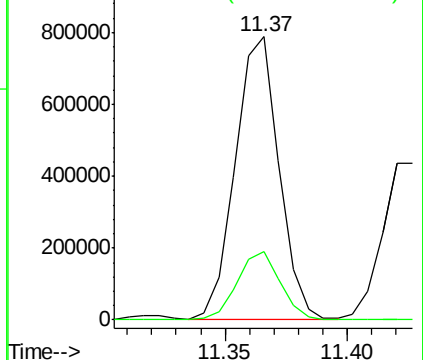
91 100

120 24.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

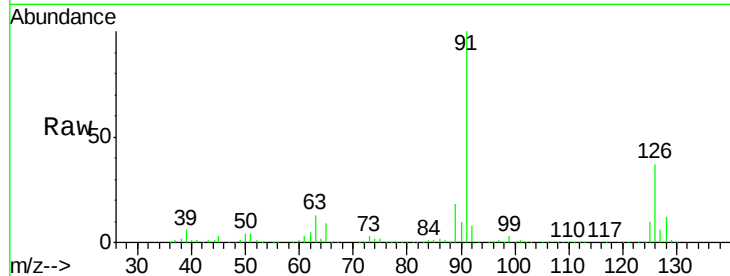




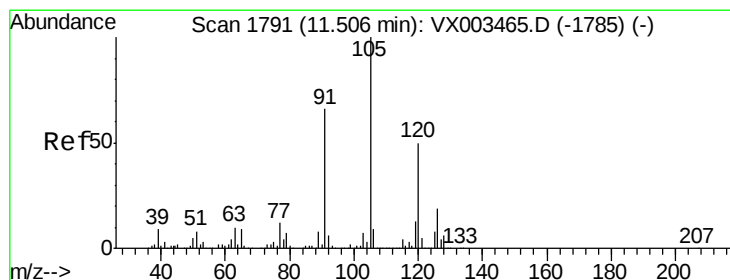
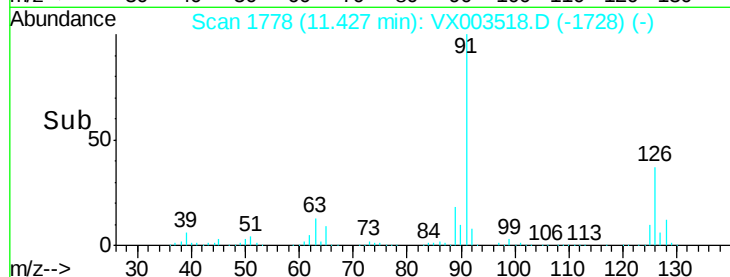
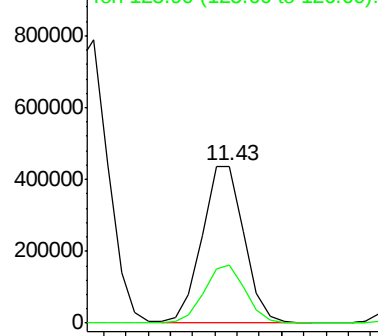
#79
 2-Chlorotoluene
 Concen: 51.40 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.01 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 573398
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.7 53.1

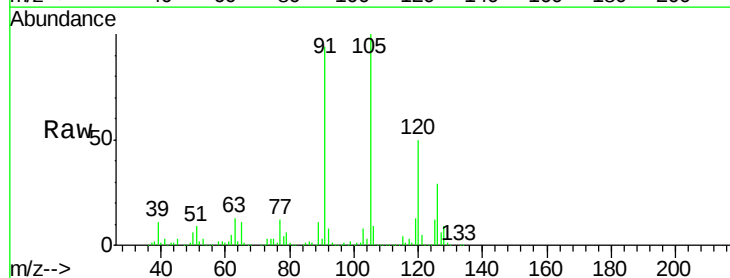


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

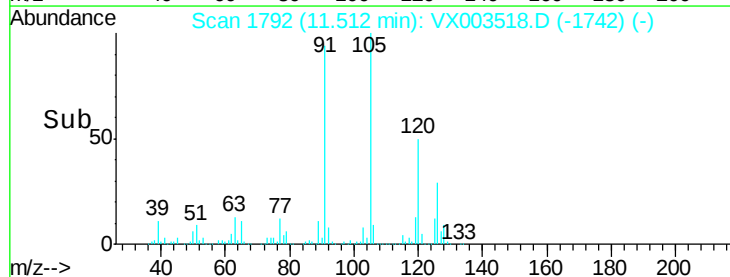
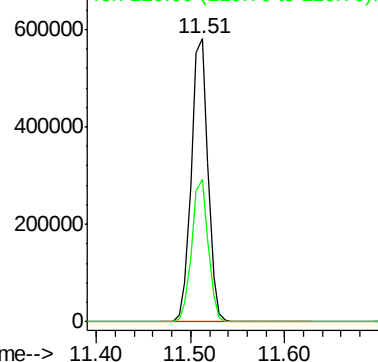


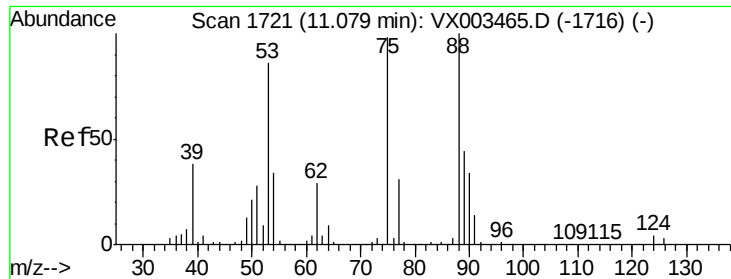
#80
 1,3,5-Trimethylbenzene
 Concen: 52.54 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion:105 Resp: 713738
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.4 73.4



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

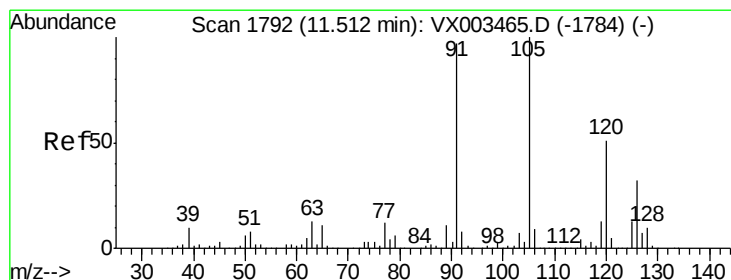
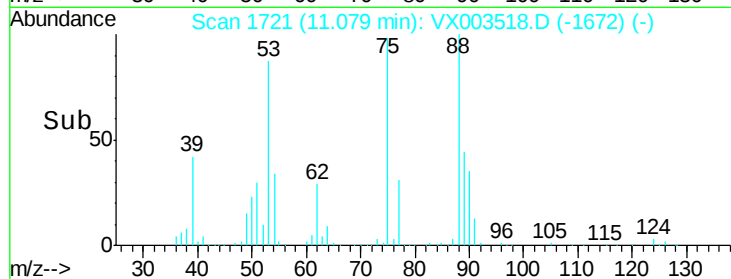
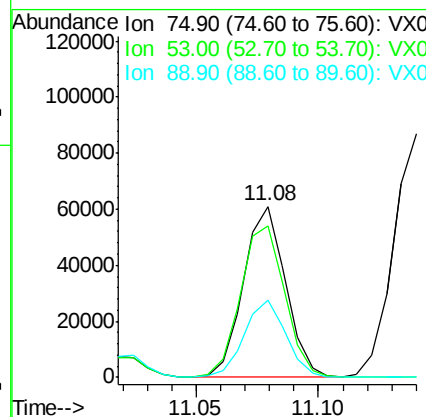
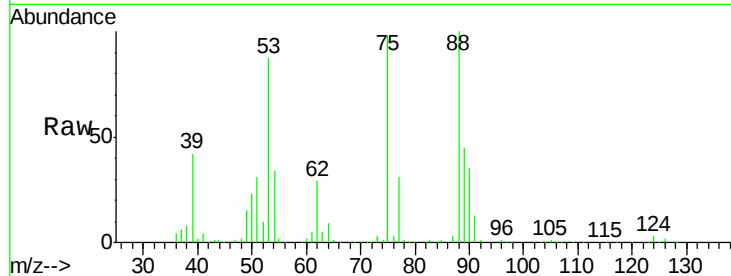




#81
trans-1,4-Dichloro-2-butene
Concen: 48.30 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

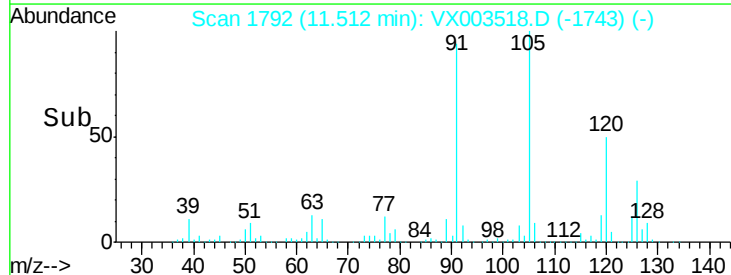
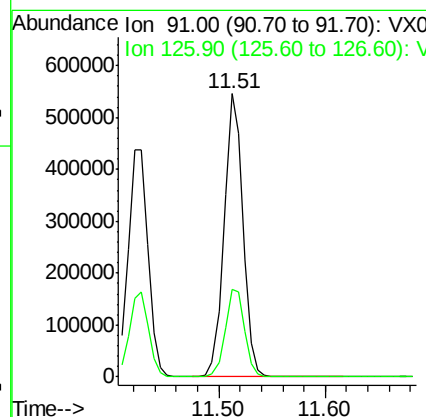
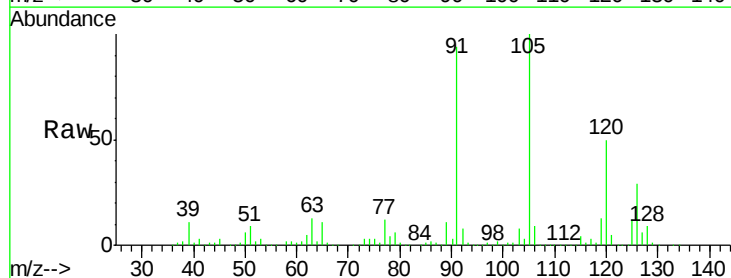
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

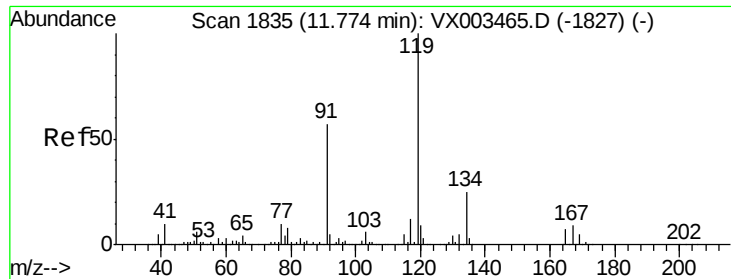
Tot Ion: 75 Resp: 72896
Ion Ratio Lower Upper
75 100
53 92.9 86.8 130.2
89 44.7 38.2 57.2



#82
4-Chlorotoluene
Concen: 51.38 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion: 91 Resp: 671628
Ion Ratio Lower Upper
91 100
126 31.8 15.4 46.4

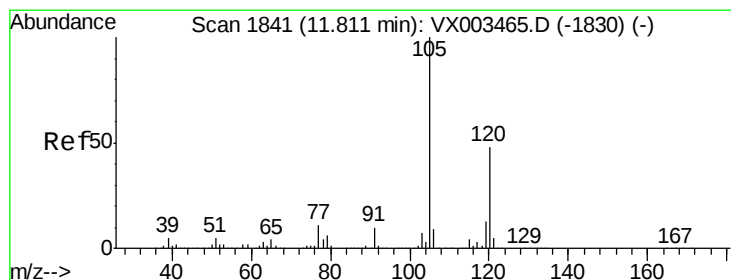
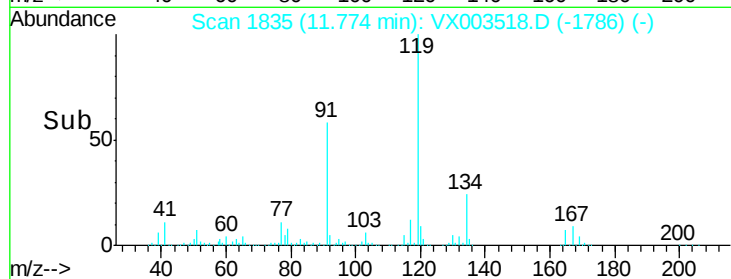
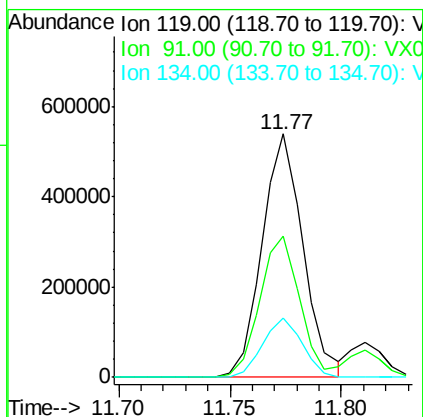
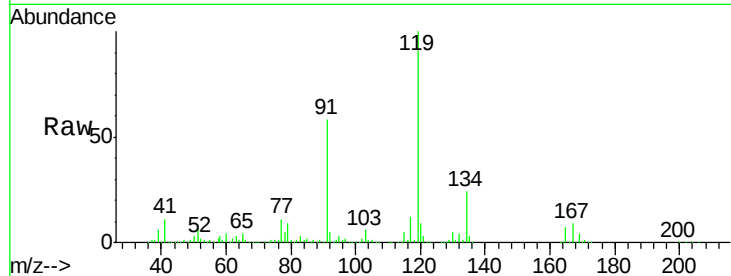




#83
 tert-Butylbenzene
 Concen: 51.60 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

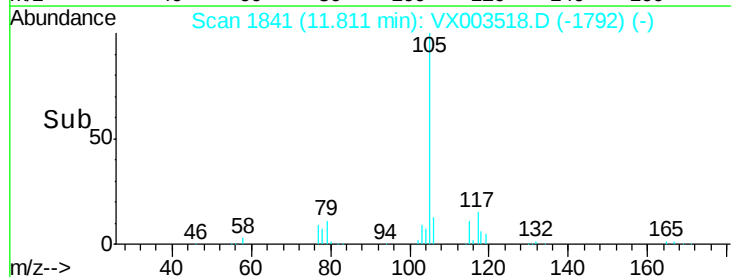
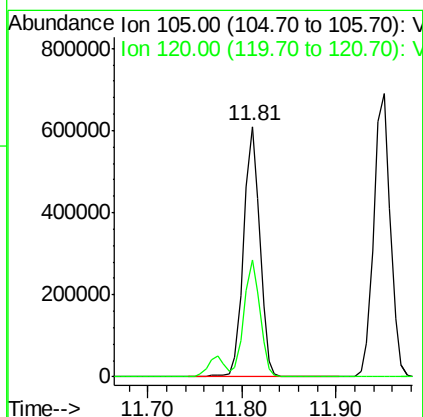
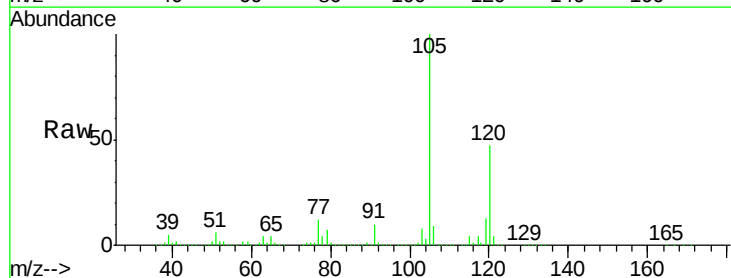
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

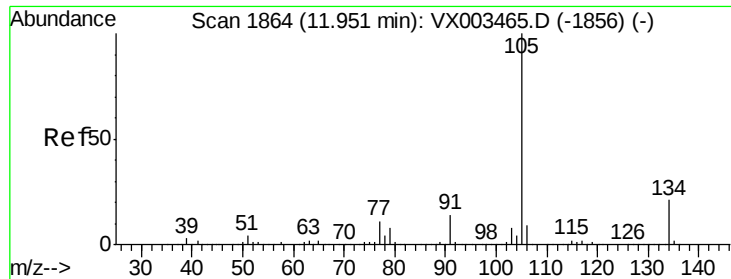
Tot Ion:119 Resp: 686485
 Ion Ratio Lower Upper
 119 100
 91 56.5 30.3 90.9
 134 23.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 52.83 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion:105 Resp: 730355
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.3 66.8





#85

sec-Butylbenzene

Concen: 52.05 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

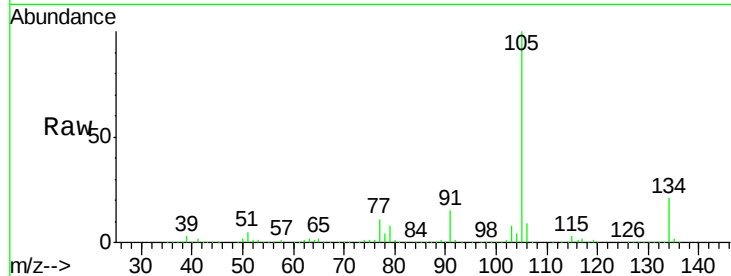
VSTDCCC050EC

Tot Ion:105 Resp: 841064

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

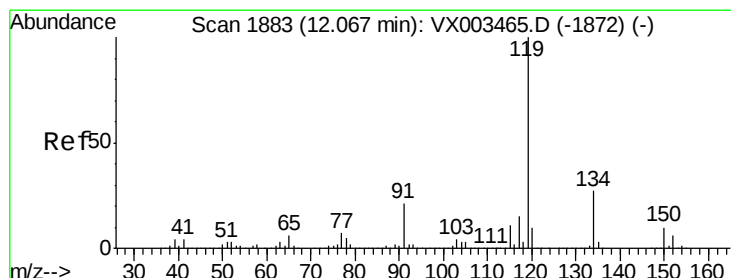
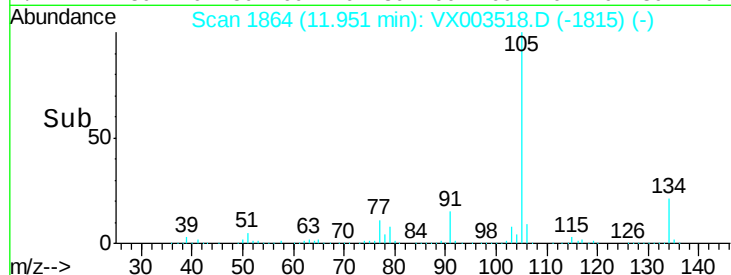
200000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 52.57 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

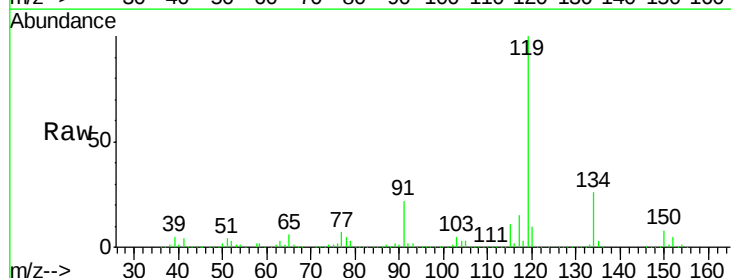
Tgt Ion:119 Resp: 762420

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 21.9 11.9 35.7



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): V

800000

600000

400000

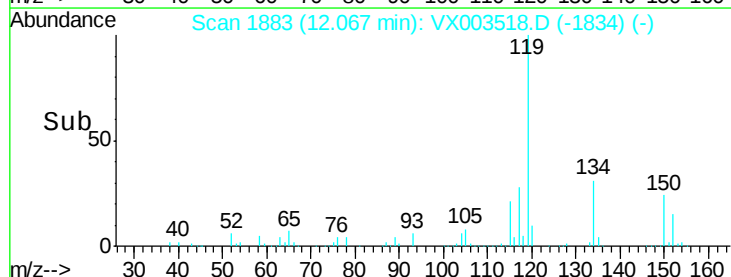
200000

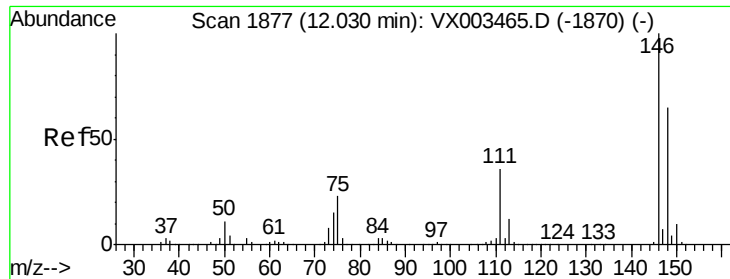
0

12.00

12.10

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.49 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

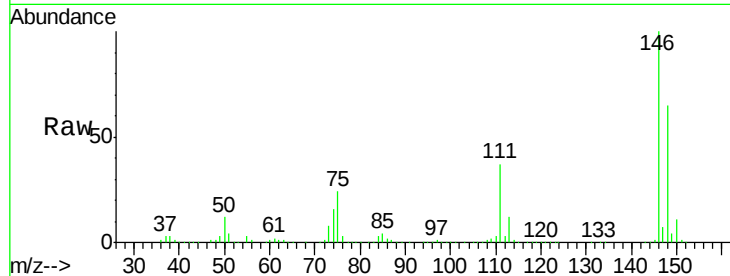
Tot Ion:146 Resp: 423761

Ion Ratio Lower Upper

146 100

111 37.1 18.9 56.7

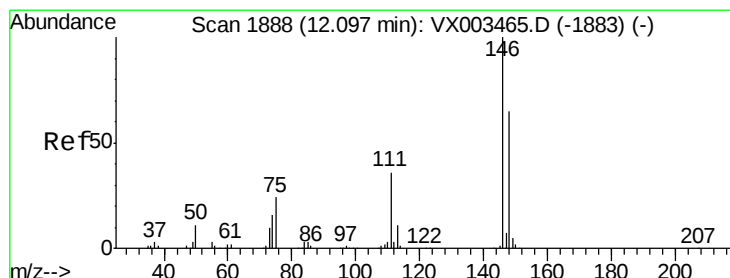
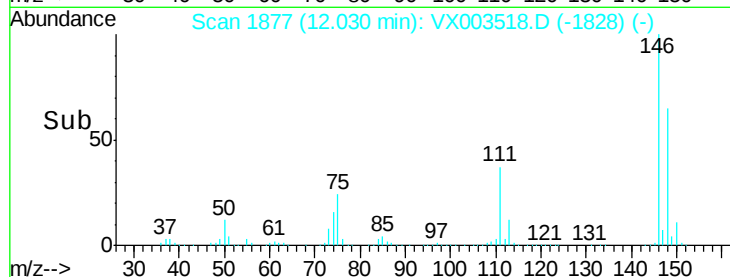
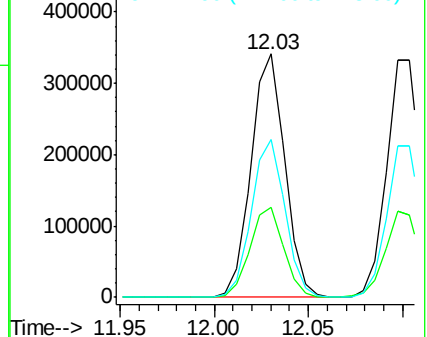
148 64.4 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.61 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

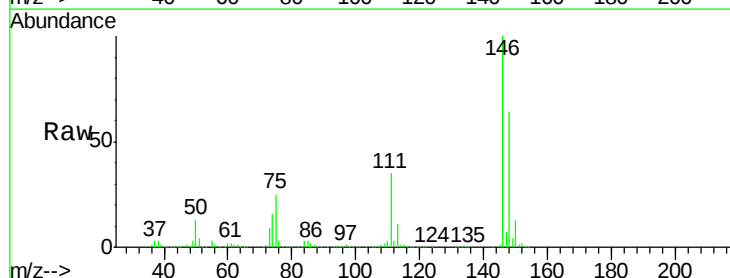
Tgt Ion:146 Resp: 428607

Ion Ratio Lower Upper

146 100

111 36.1 18.7 56.1

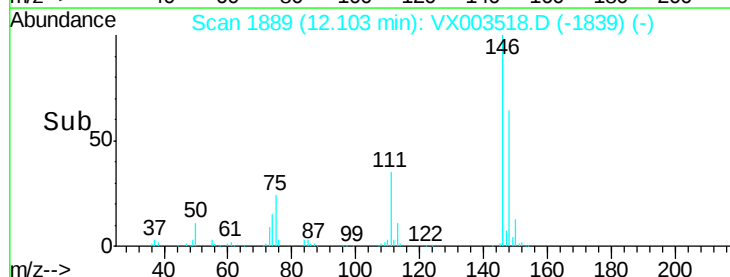
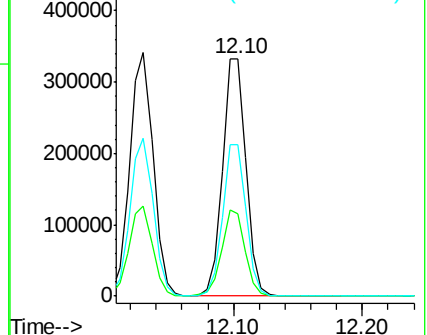
148 64.1 32.4 97.0

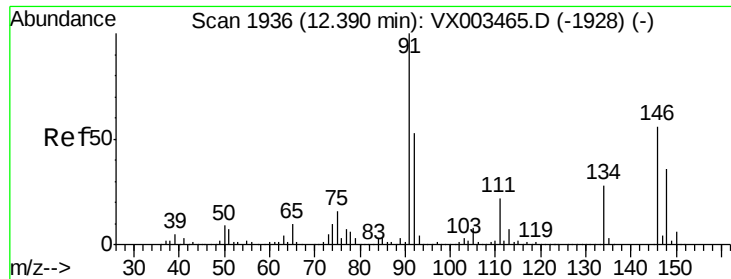


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

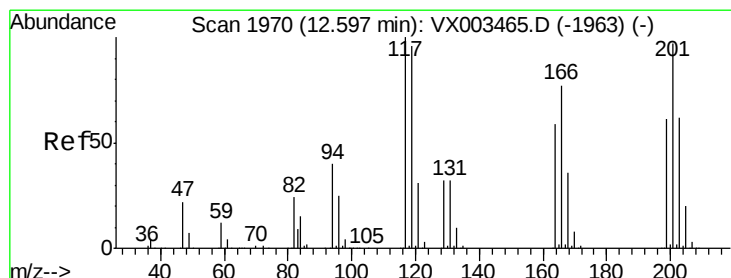
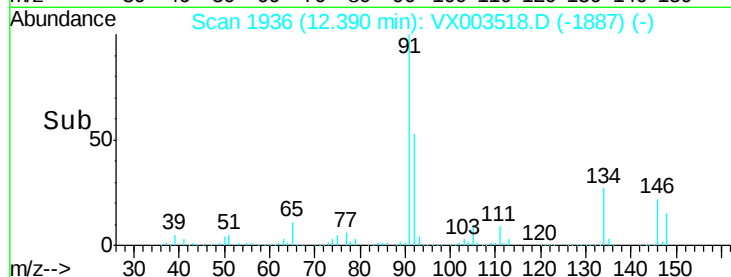
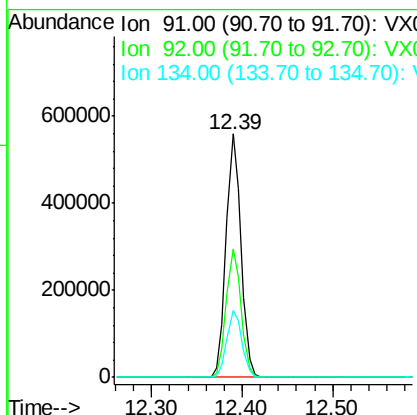
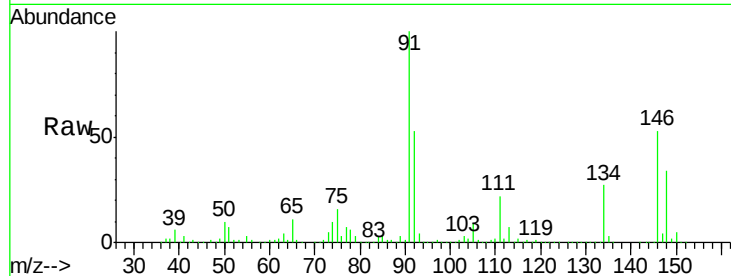




#89
n-Butylbenzene
Concen: 51.75 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

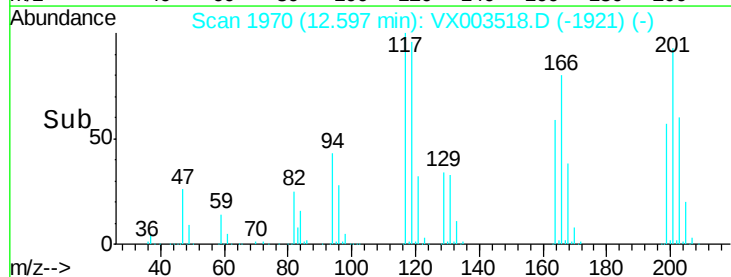
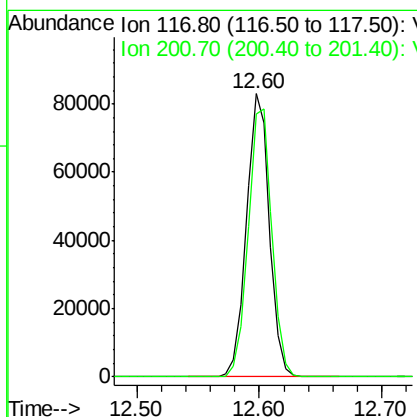
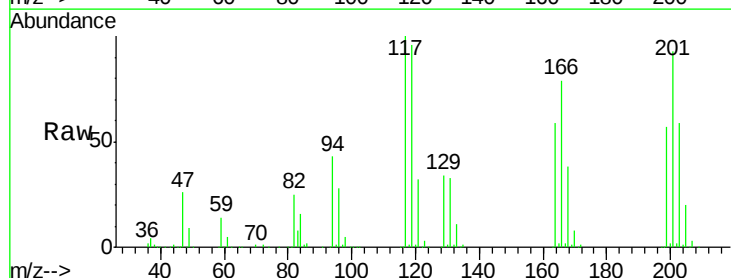
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

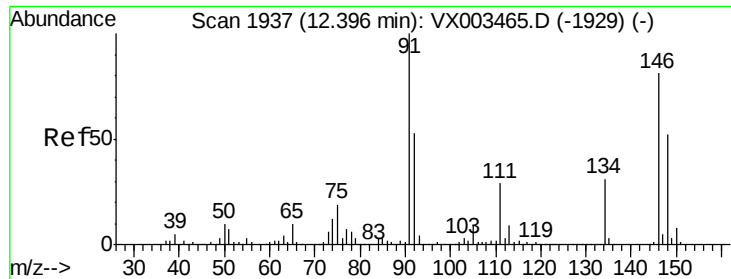
Tot Ion: 91 Resp: 637343
Ion Ratio Lower Upper
91 100
92 52.8 26.0 78.0
134 27.6 13.5 40.5



#90
Hexachloroethane
Concen: 52.10 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion: 117 Resp: 107399
Ion Ratio Lower Upper
117 100
201 98.3 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 49.59 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

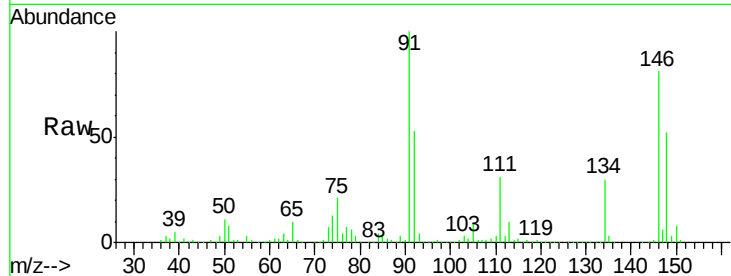
Tot Ion:146 Resp: 427154

Ion Ratio Lower Upper

146 100

111 38.8 19.4 58.1

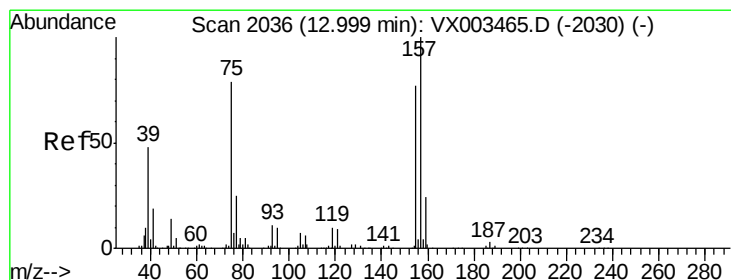
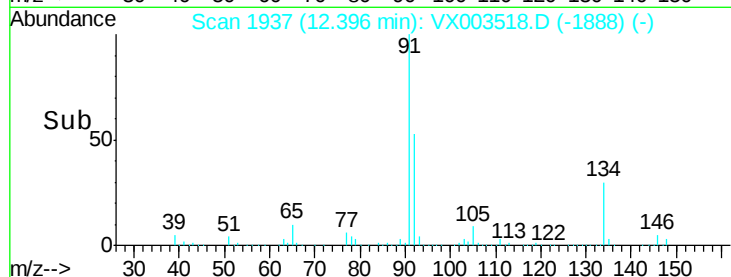
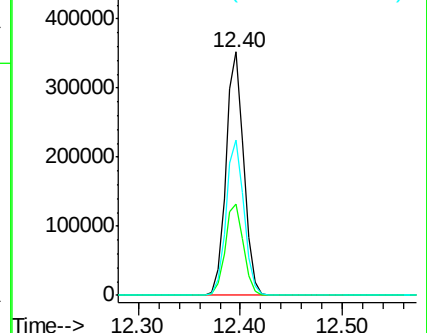
148 64.4 31.7 95.1



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: VX003518.D

Acq: 20 Jul 2018 19:11

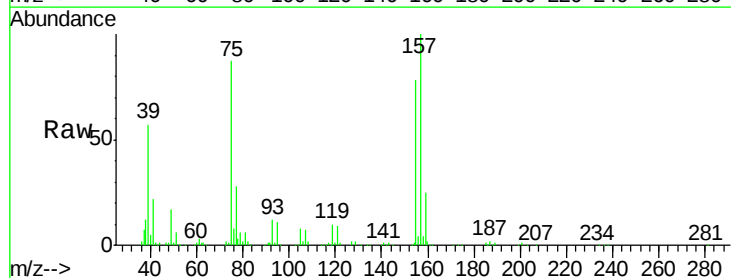
Tgt Ion: 75 Resp: 53560

Ion Ratio Lower Upper

75 100

155 98.7 45.8 137.4

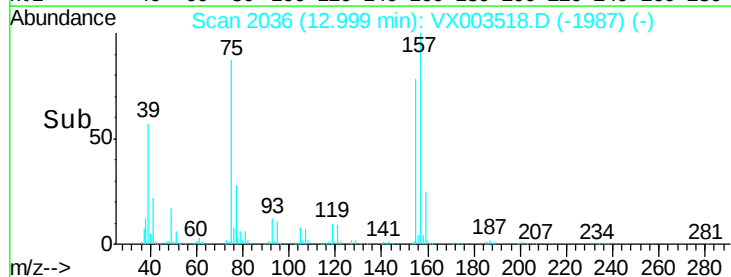
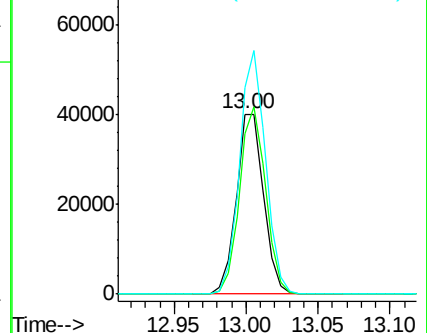
157 127.4 60.1 180.3

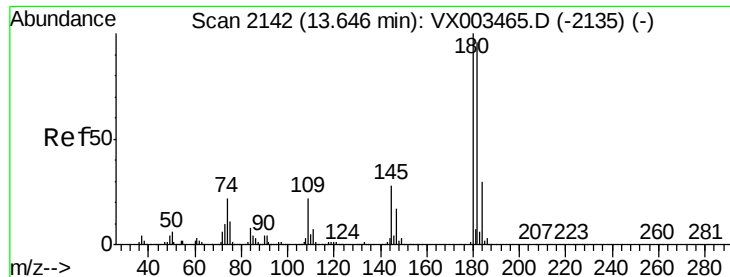


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

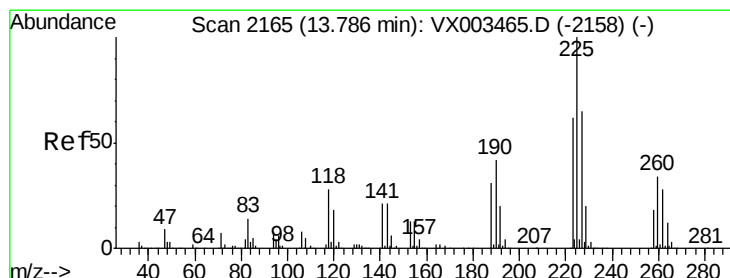
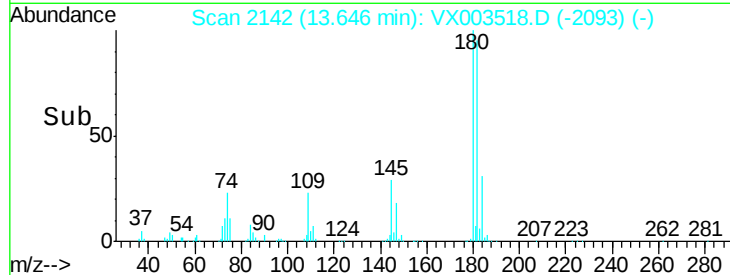
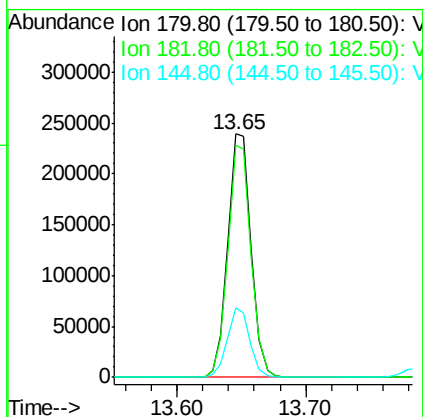
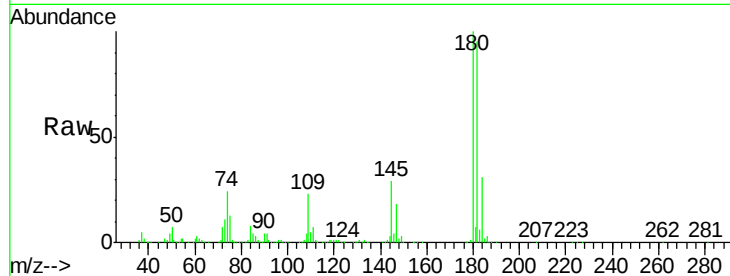




#93
 1,2,4-Trichlorobenzene
 Concen: 48.20 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

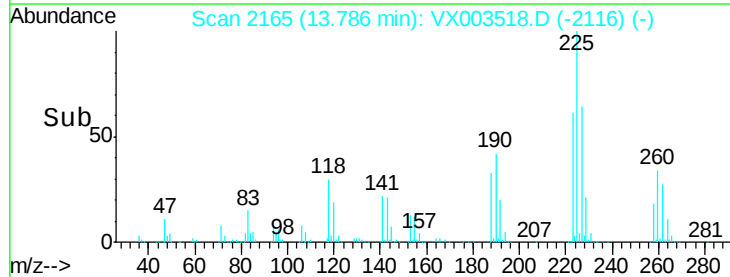
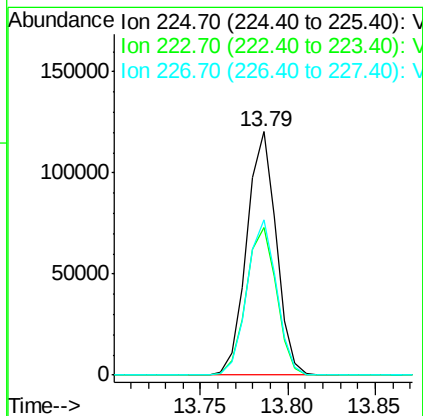
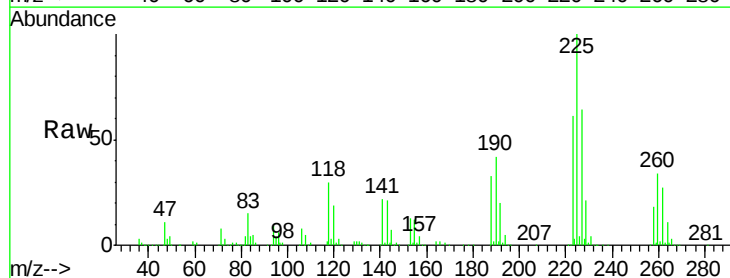
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

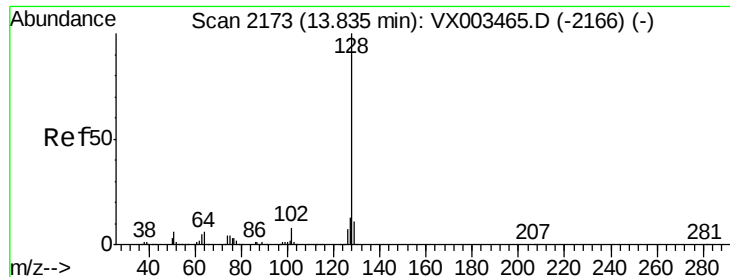
Tot Ion:180 Resp: 304250
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.7 143.1
 145 27.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 46.49 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion:225 Resp: 141149
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.6 95.0
 227 63.9 32.4 97.2





#95

Naphthalene

Concen: 52.93 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

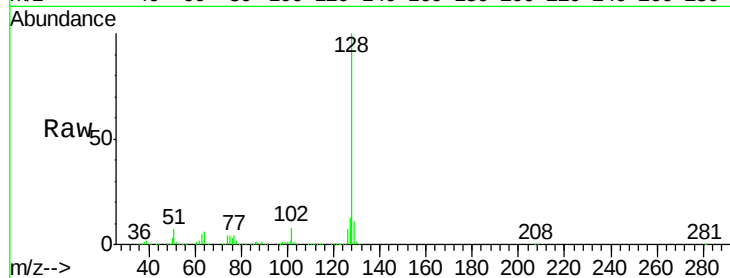
Tot Ion:128 Resp: 878019

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

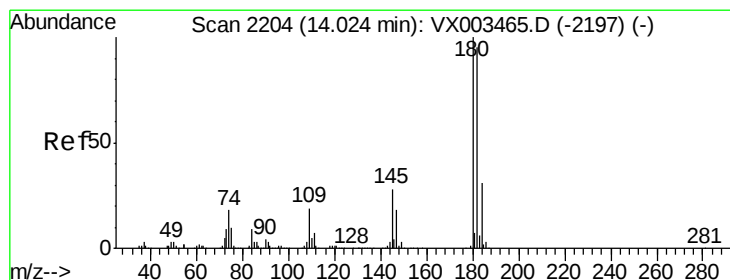
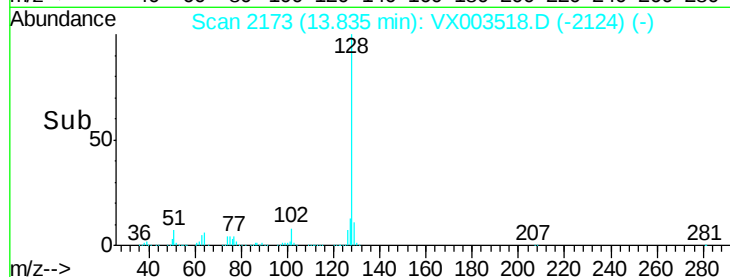
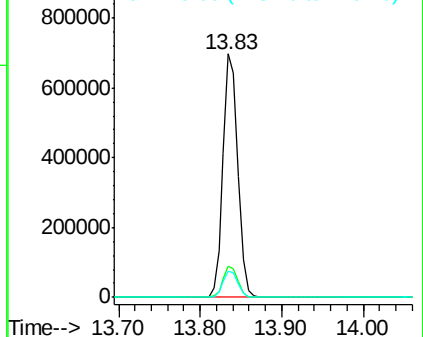
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.49 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

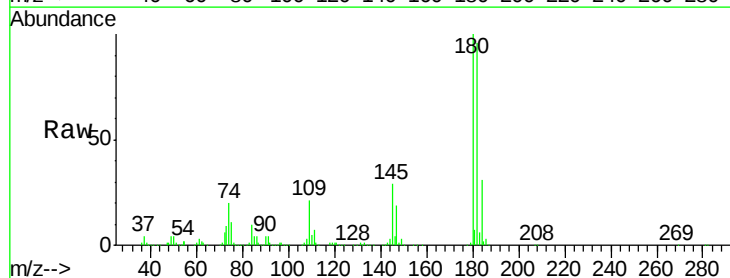
Tgt Ion:180 Resp: 309304

Ion Ratio Lower Upper

180 100

182 95.2 48.0 144.0

145 29.2 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

