

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004091.D
 Acq On : 15 Aug 2018 23:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 16 05:56:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	294747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	449037	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	434134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	262471	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	216979	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	5.51	113	170329	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	8.72	98	698138	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.14	95	258436	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	146658	51.11	ug/l	100
3) Chloromethane	1.32	50	167798	47.66	ug/l	98
4) Vinyl Chloride	1.40	62	188389	49.45	ug/l	100
5) Bromomethane	1.64	94	104690	54.24	ug/l	100
6) Chloroethane	1.72	64	130727	52.25	ug/l	98
7) Trichlorofluoromethane	1.93	101	264475	49.49	ug/l	99
8) Diethyl Ether	2.18	74	118216	50.67	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	160971	48.28	ug/l	100
10) Methyl Iodide	2.51	142	178875	50.21	ug/l	99
11) Tert butyl alcohol	3.05	59	229346	274.25	ug/l	99
12) 1,1-Dichloroethene	2.37	96	154264	49.75	ug/l	98
13) Acrolein	2.29	56	125928	223.17	ug/l	99
14) Allyl chloride	2.73	41	289696	49.10	ug/l	97
15) Acrylonitrile	3.14	53	552674	265.06	ug/l	99
16) Acetone	2.44	43	562991	260.75	ug/l	100
17) Carbon Disulfide	2.57	76	425519	48.38	ug/l	100
18) Methyl Acetate	2.77	43	259197	54.02	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	553912	50.70	ug/l	100
20) Methylene Chloride	2.86	84	183149	51.92	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	172417	48.96	ug/l	100
22) Diisopropyl ether	3.87	45	578855	50.07	ug/l	97
23) Vinyl Acetate	3.82	43	2485681	261.78	ug/l	100
24) 1,1-Dichloroethane	3.70	63	326350	49.84	ug/l	100
25) 2-Butanone	4.70	43	937858	266.96	ug/l	99
26) 2,2-Dichloropropane	4.59	77	183193	35.19	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	196991	49.75	ug/l	98
28) Bromochloromethane	5.02	49	155825	51.87	ug/l	95
29) Tetrahydrofuran	5.15	42	473202	263.64	ug/l	98
30) Chloroform	5.22	83	319187	49.94	ug/l	100
31) Cyclohexane	5.57	56	276405	48.15	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	269889	50.54	ug/l	99
36) 1,1-Dichloropropene	5.80	75	243997	47.75	ug/l	100
37) Ethyl Acetate	4.85	43	282838	50.83	ug/l	100
38) Carbon Tetrachloride	5.79	117	243056	48.96	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	285214	49.20	ug/l	99
40) Benzene	6.15	78	761610	49.64	ug/l	100
41) Methacrylonitrile	5.06	41	152524	48.94	ug/l	99
42) 1,2-Dichloroethane	6.20	62	265111	49.36	ug/l	99
43) Isopropyl Acetate	6.47	43	422912	51.56	ug/l	100
44) Trichloroethene	7.21	130	202330	48.57	ug/l	94
45) 1,2-Dichloropropane	7.52	63	197007	50.16	ug/l	99
46) Dibromomethane	7.67	93	128382	50.02	ug/l	99
47) Bromodichloromethane	7.90	83	248012	51.02	ug/l	99
48) Methyl methacrylate	7.78	41	225838	54.70	ug/l	99
49) 1,4-Dioxane	7.76	88	100742	1083.76	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1861966	276.87	ug/l	100
52) Toluene	8.79	92	493481	50.86	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	264266	50.32	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	289144	49.71	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	198086	49.43	ug/l	99
56) Ethyl methacrylate	9.18	69	298898	54.85	ug/l	99
57) 1,3-Dichloropropane	9.37	76	336020	50.54	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	773165	278.65	ug/l	99
59) 2-Hexanone	9.50	43	1430340	282.60	ug/l	100
60) Dibromochloromethane	9.59	129	199052	51.62	ug/l	100
61) 1,2-Dibromoethane	9.68	107	209745	51.35	ug/l	99
64) Tetrachloroethene	9.34	164	203195	49.38	ug/l	95
65) Chlorobenzene	10.14	112	549193	48.97	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	195346	51.07	ug/l	98
67) Ethyl Benzene	10.26	91	921798	51.91	ug/l	98
68) m/p-Xylenes	10.36	106	733222	105.44	ug/l	97
69) o-Xylene	10.70	106	349596	52.61	ug/l	96
70) Styrene	10.71	104	600415	53.68	ug/l	98
71) Bromoform	10.86	173	155927	51.41	ug/l	100
73) Isopropylbenzene	11.02	105	943954	53.14	ug/l	97
74) N-amyl acetate	6.47	43	422912	50.62	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	317619	51.21	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	358200	68.05	ug/l	85
77) Bromobenzene	11.26	156	246596	50.36	ug/l	99
78) n-propylbenzene	11.36	91	1078415	54.25	ug/l	100
79) 2-Chlorotoluene	11.42	91	642284	53.02	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	788263	54.20	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	83640	49.19	ug/l	99
82) 4-Chlorotoluene	11.51	91	755619	52.77	ug/l	100
83) tert-Butylbenzene	11.77	119	778087	53.06	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	817042	54.24	ug/l	99
85) sec-Butylbenzene	11.94	105	927567	54.05	ug/l	100
86) p-Isopropyltoluene	12.07	119	834327	53.70	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	457777	49.02	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	464531	48.33	ug/l	99
89) n-Butylbenzene	12.39	91	633424	51.74	ug/l	99
90) Hexachloroethane	12.60	117	122077	52.51	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	415245	49.30	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57441	52.69	ug/l	99

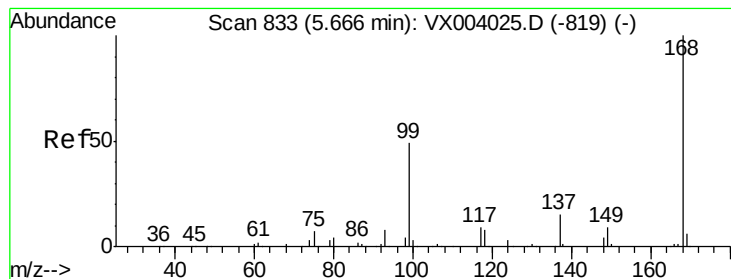
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	274077	47.61	ug/l	100
94) Hexachlorobutadiene	13.79	225	122887	42.58	ug/l	99
95) Naphthalene	13.83	128	879285	47.96	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	283907	45.22	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

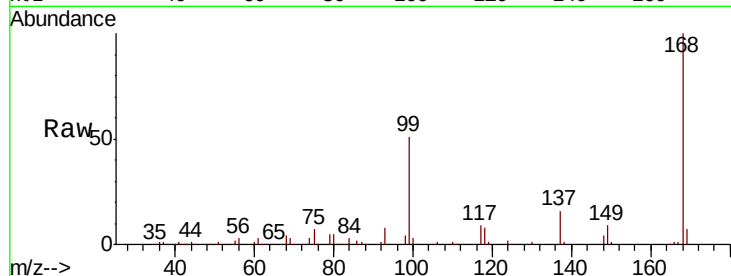
VSTDCCC050EC

Tot Ion:168 Resp: 294747

Ion Ratio Lower Upper

168 100

99 51.3 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

40000

20000

0

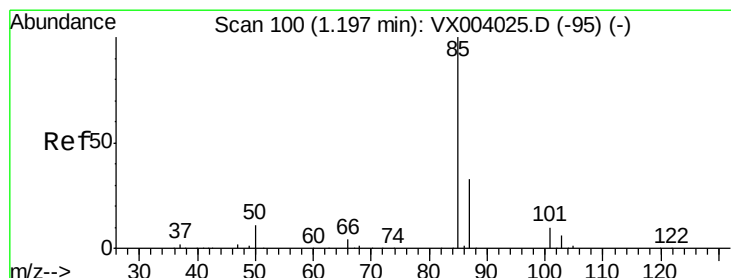
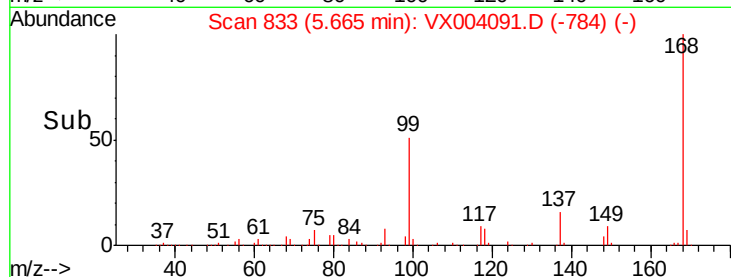
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 51.11 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004091.D

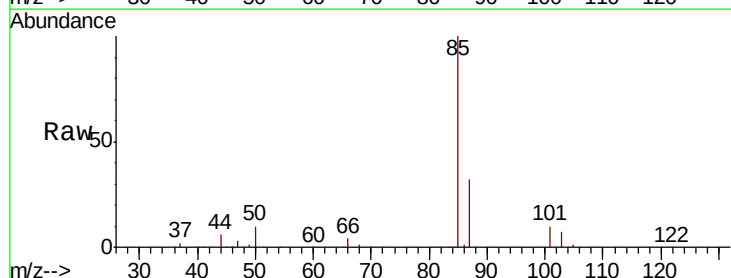
Acq: 15 Aug 2018 23:34

Tgt Ion: 85 Resp: 146658

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



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

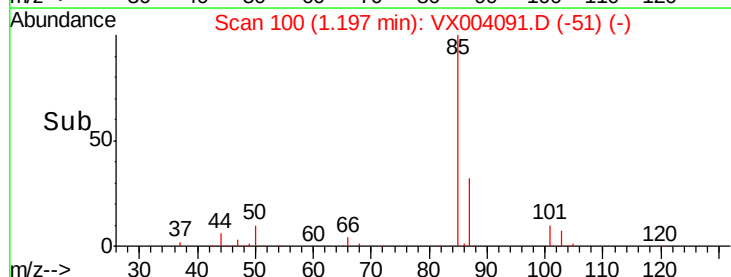
Time-->

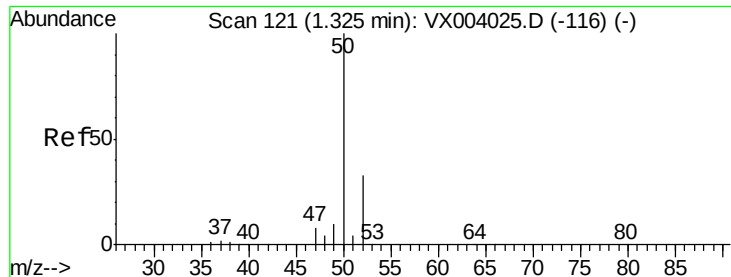
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 47.66 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

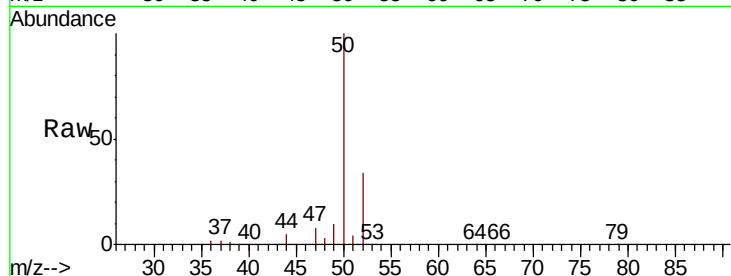
VSTDCCC050EC

Tot Ion: 50 Resp: 167798

Ion Ratio Lower Upper

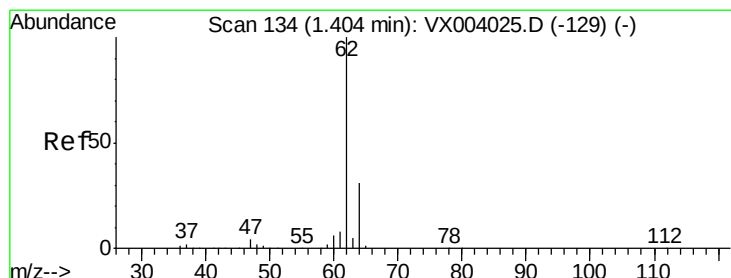
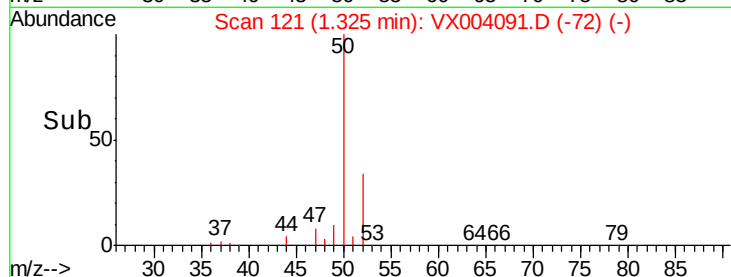
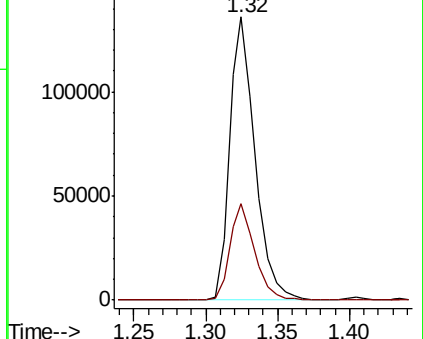
50 100

52 34.1 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.45 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004091.D

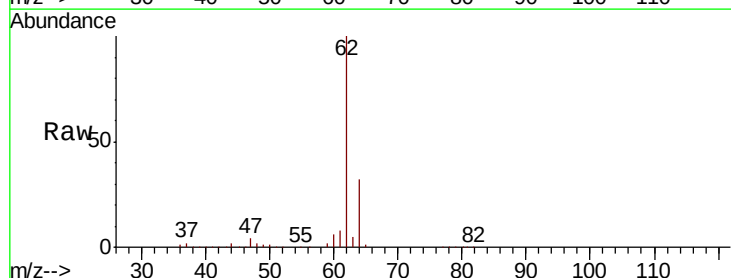
Acq: 15 Aug 2018 23:34

Tgt Ion: 62 Resp: 188389

Ion Ratio Lower Upper

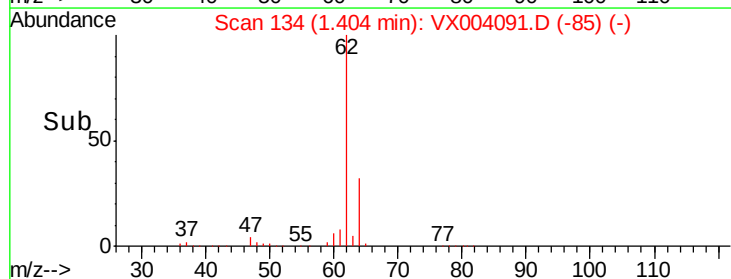
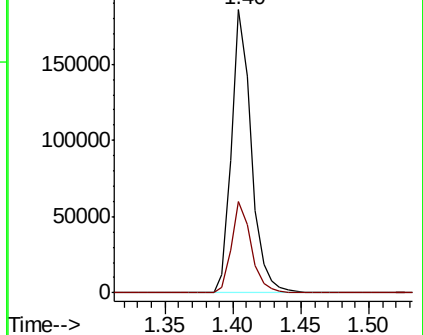
62 100

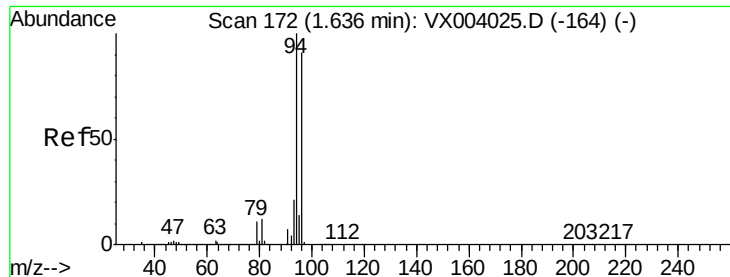
64 32.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 54.24 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

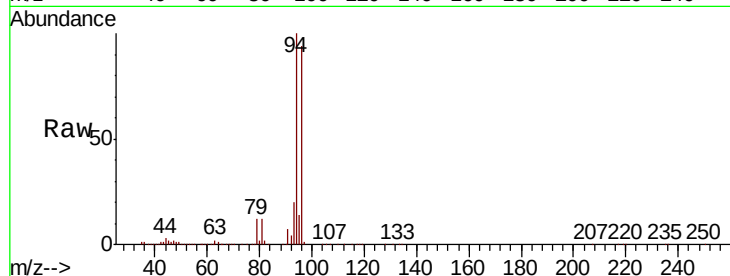
VSTDCCC050EC

Tot Ion: 94 Resp: 104690

Ion Ratio Lower Upper

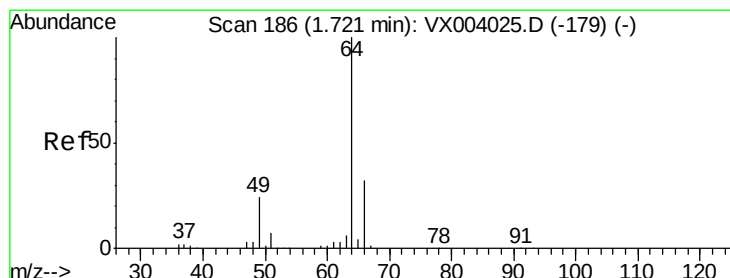
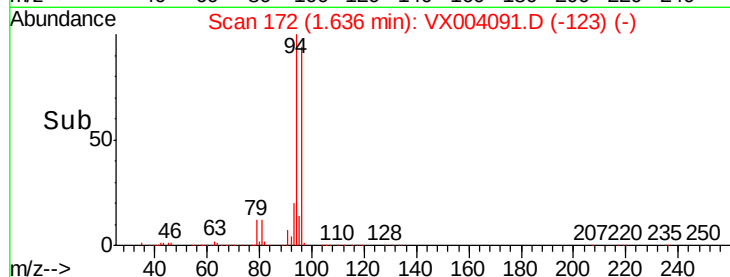
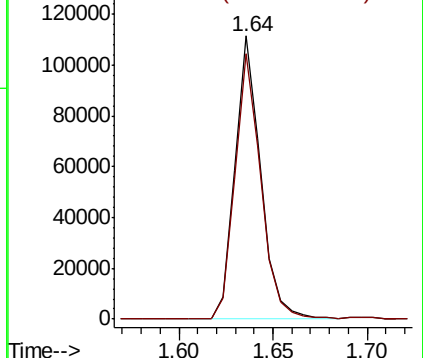
94 100

96 93.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.25 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX004091.D

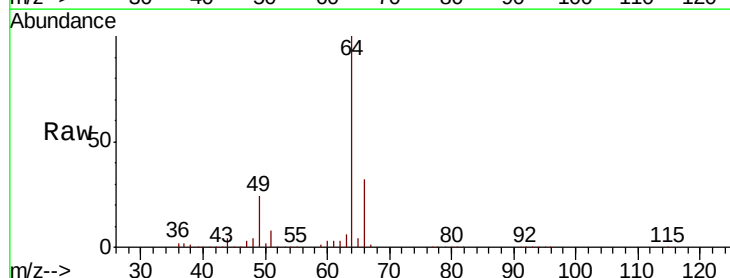
Acq: 15 Aug 2018 23:34

Tgt Ion: 64 Resp: 130727

Ion Ratio Lower Upper

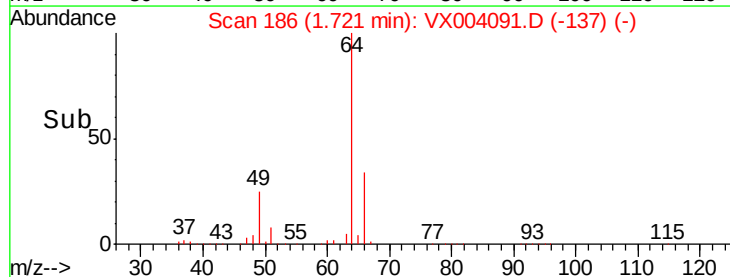
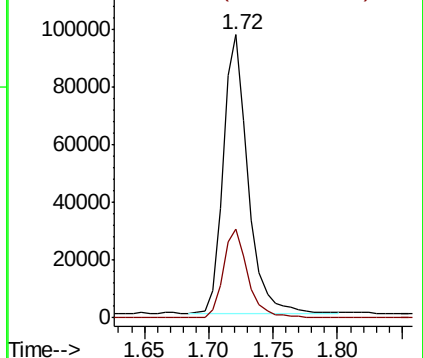
64 100

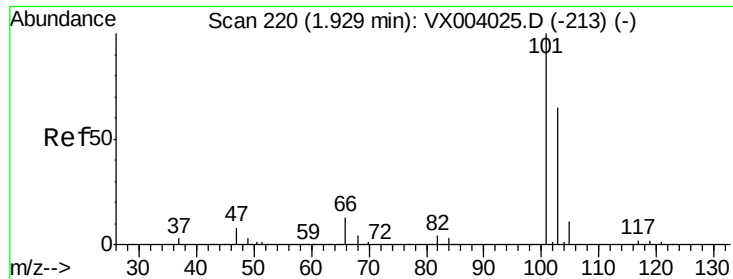
66 32.0 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



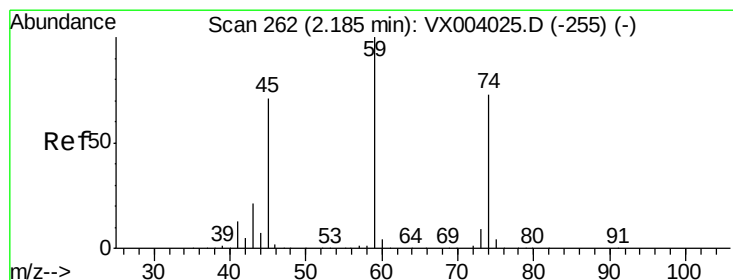
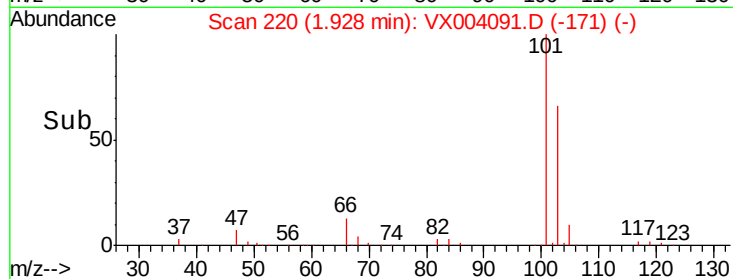
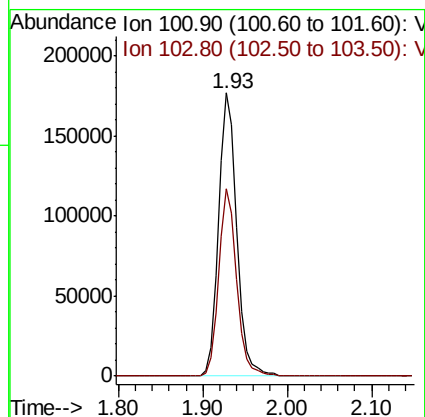
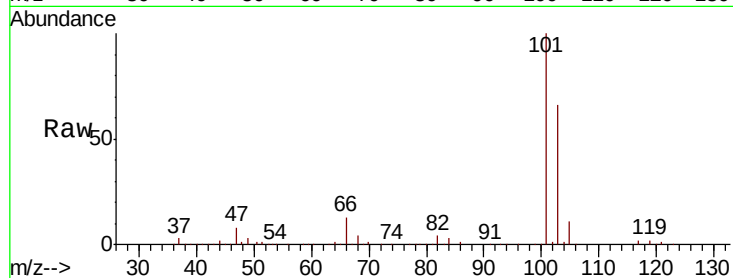


#7

Trichlorofluoromethane
 Concen: 49.49 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

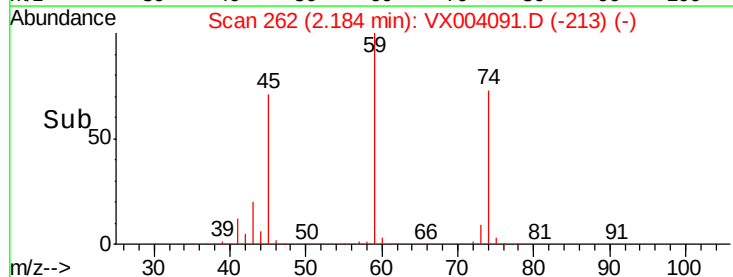
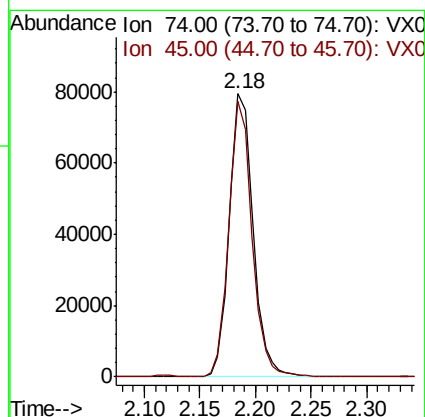
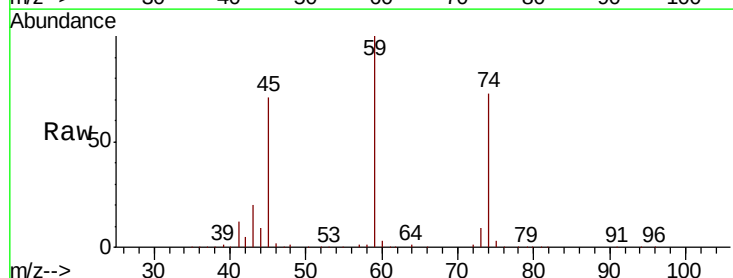
Tot Ion:101 Resp: 264475
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.3 78.5

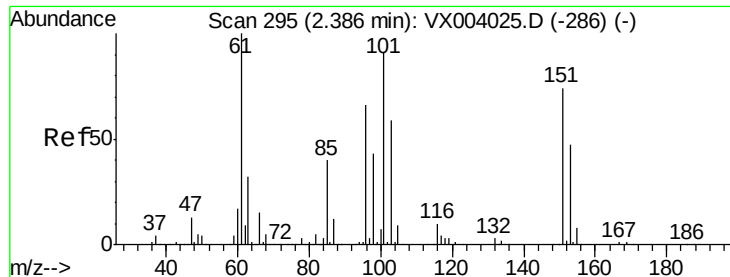


#8

Diethyl Ether
 Concen: 50.67 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion: 74 Resp: 118216
 Ion Ratio Lower Upper
 74 100
 45 94.1 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.28 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

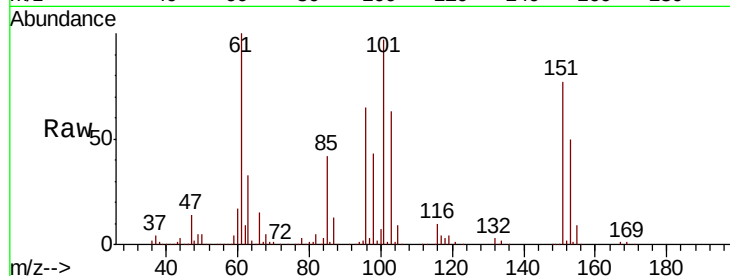
Tot Ion:101 Resp: 160971

Ion Ratio Lower Upper

101 100

85 43.1 34.2 51.4

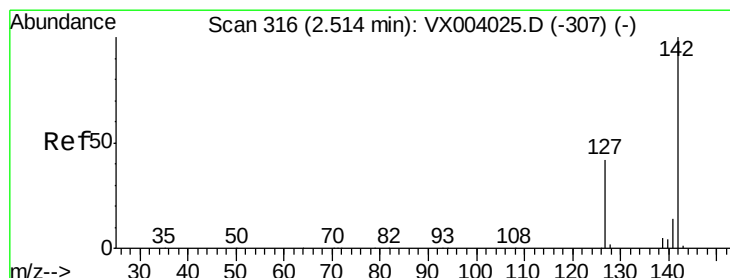
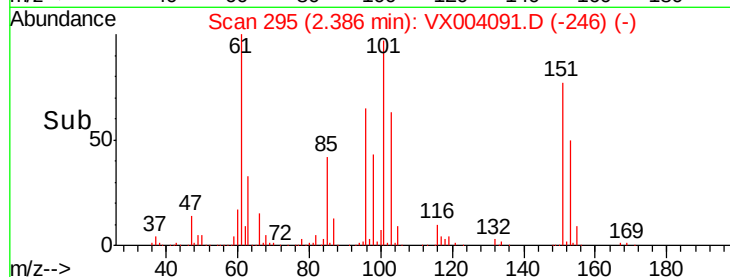
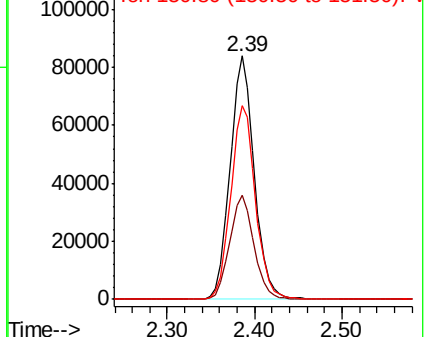
151 81.3 65.0 97.4



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: 50.21 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

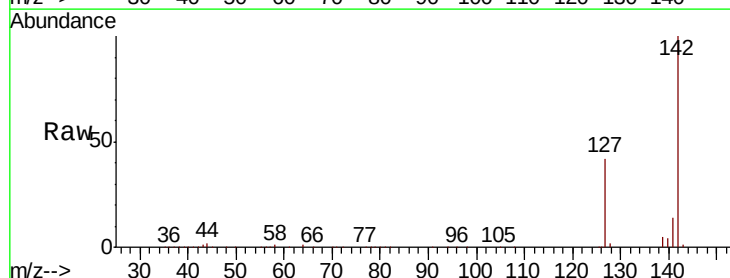
Tgt Ion:142 Resp: 178875

Ion Ratio Lower Upper

142 100

127 42.0 33.1 49.7

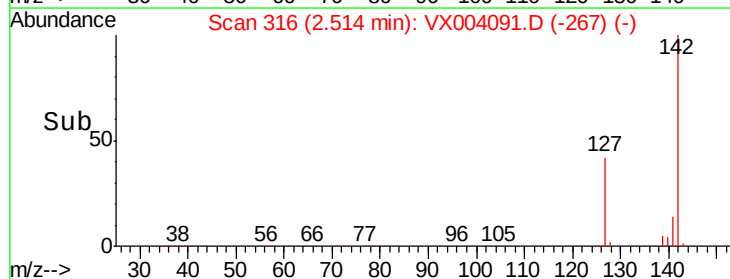
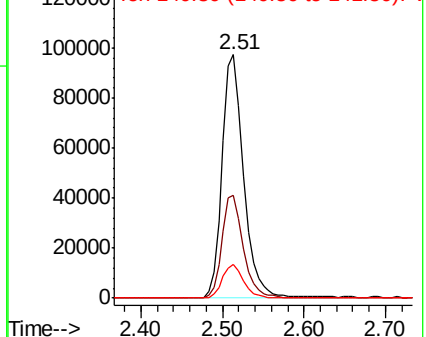
141 14.0 11.1 16.7

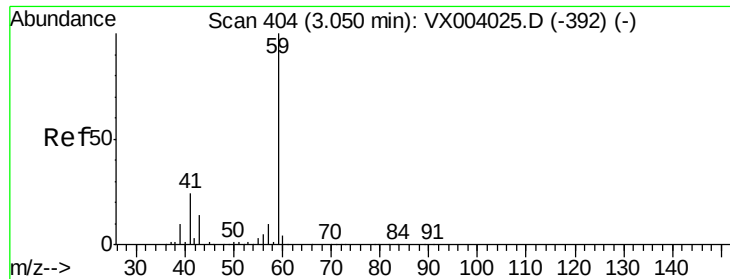


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

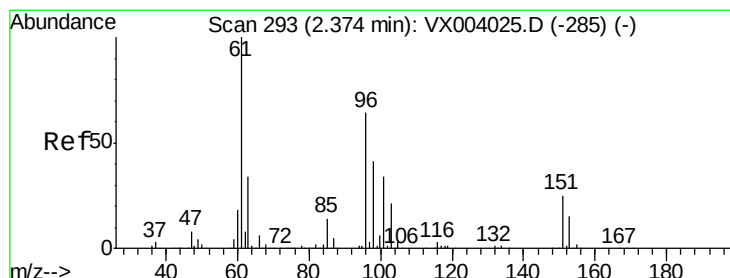
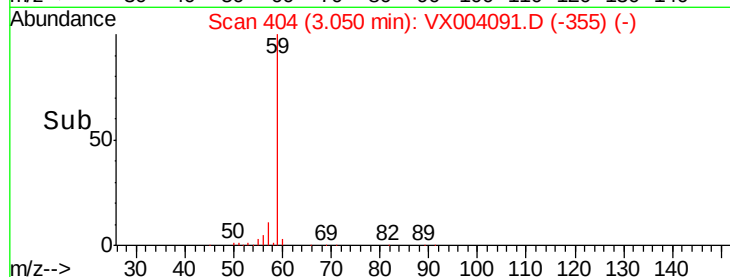
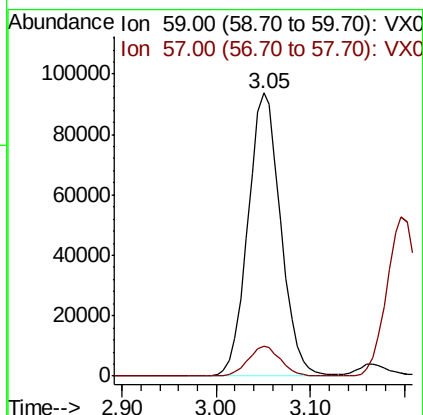
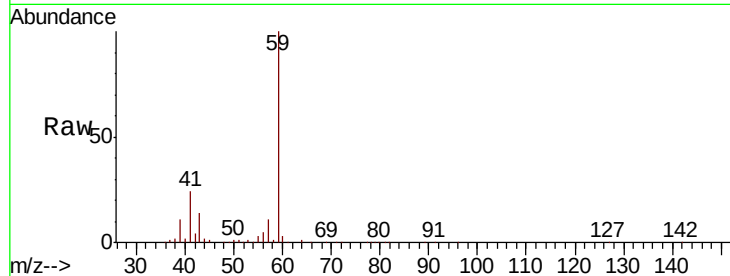




#11
 Tert butyl alcohol
 Concen: 274.25 ug/l
 RT: 3.05 min Scan# 404
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

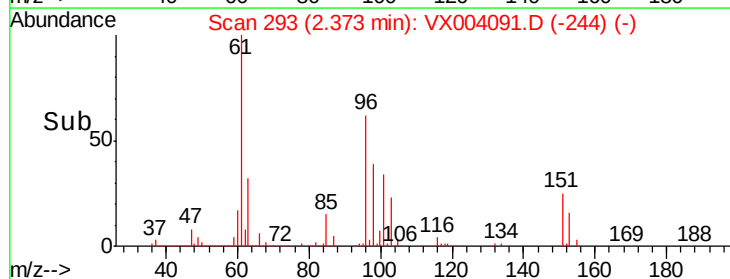
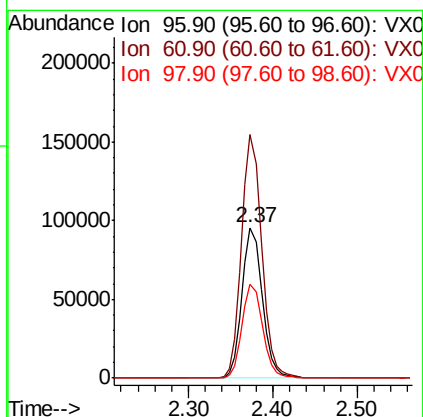
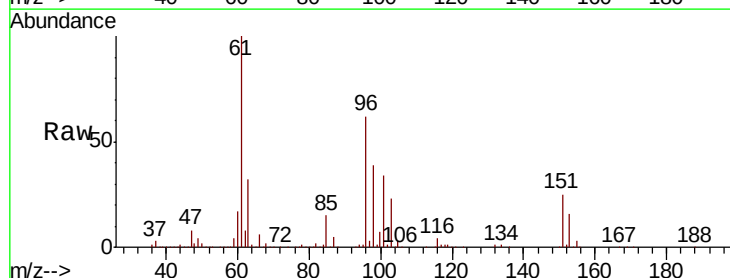
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

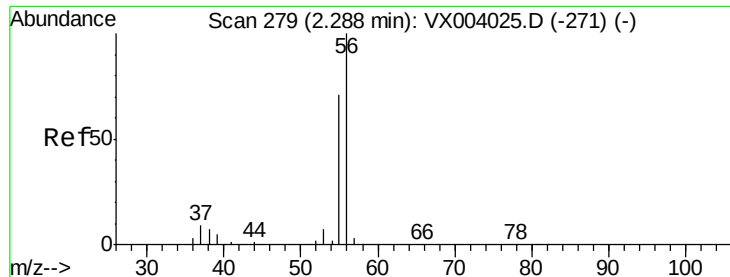
Tot Ion: 59 Resp: 229346
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.1 12.1



#12
 1,1-Dichloroethene
 Concen: 49.75 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion: 96 Resp: 154264
 Ion Ratio Lower Upper
 96 100
 61 162.1 131.3 196.9
 98 62.7 51.8 77.6





#13

Acrolein

Concen: 223.17 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

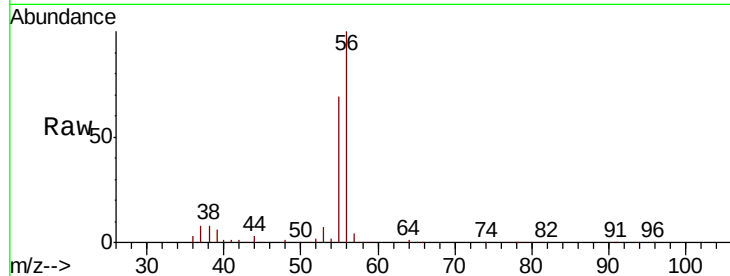
VSTDCCC050EC

Tot Ion: 56 Resp: 125928

Ion Ratio Lower Upper

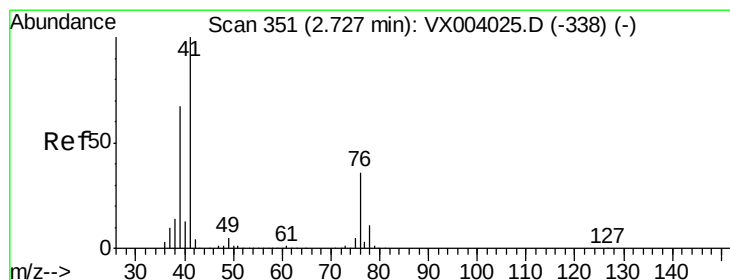
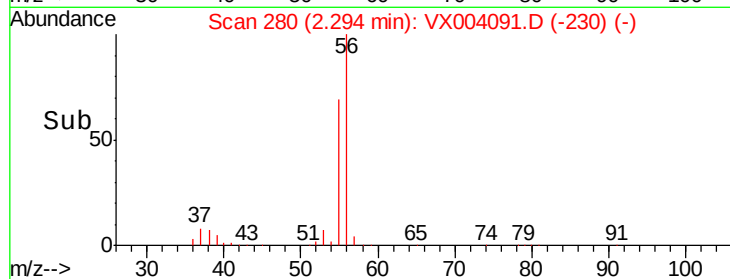
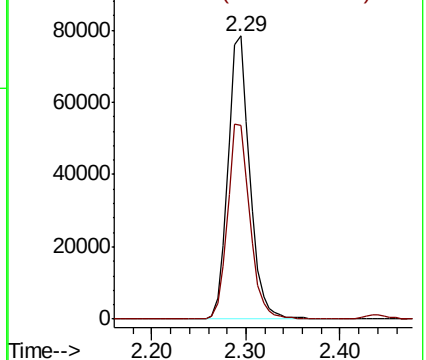
56 100

55 70.5 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.10 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

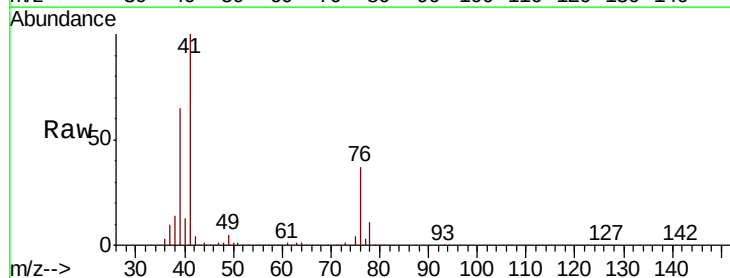
Tgt Ion: 41 Resp: 289696

Ion Ratio Lower Upper

41 100

39 61.4 47.4 71.0

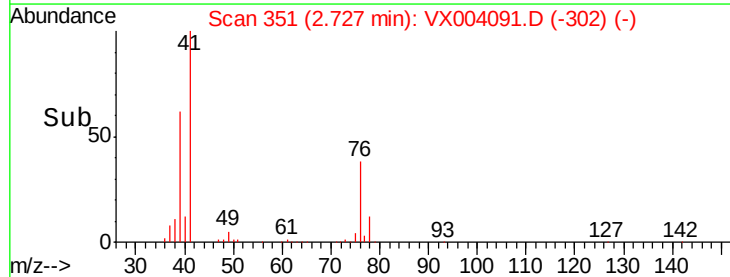
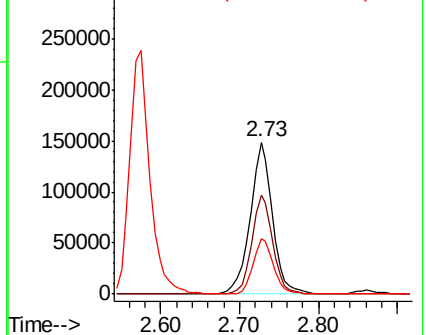
76 33.7 26.0 39.0

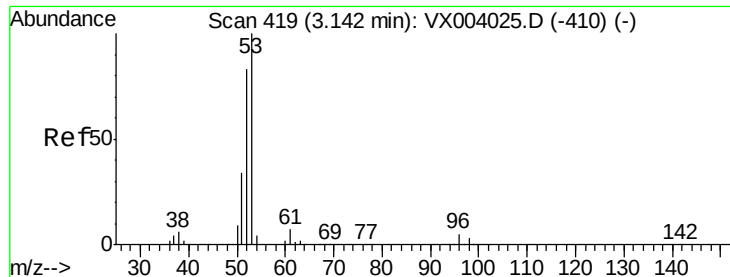


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 265.06 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

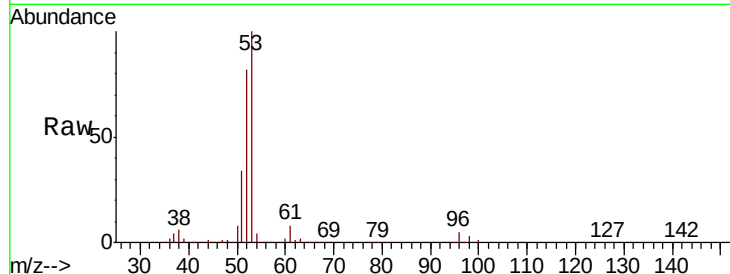
Tot Ion: 53 Resp: 552674

Ion Ratio Lower Upper

53 100

52 82.1 65.3 97.9

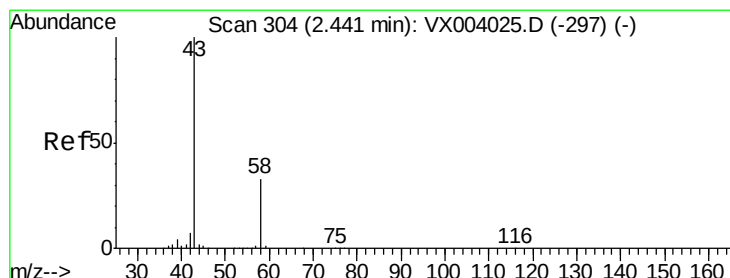
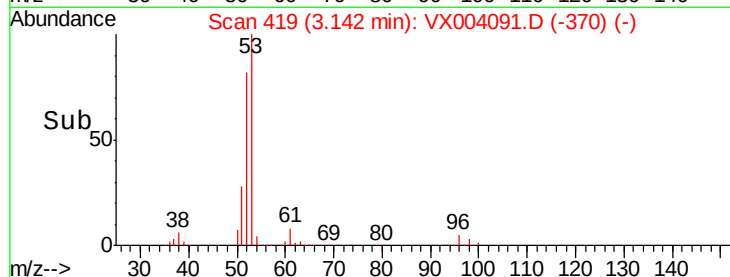
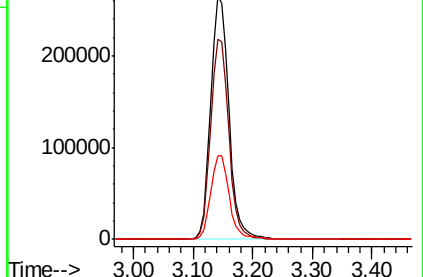
51 35.3 27.9 41.9



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: 260.75 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004091.D

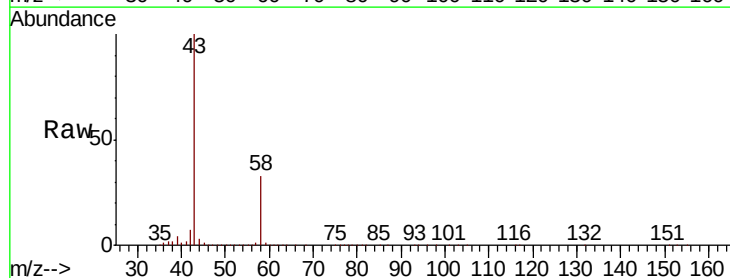
Acq: 15 Aug 2018 23:34

Tgt Ion: 43 Resp: 562991

Ion Ratio Lower Upper

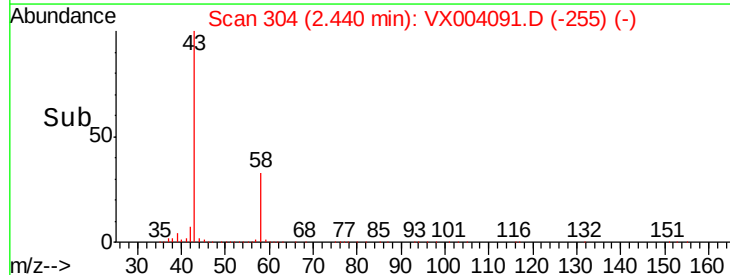
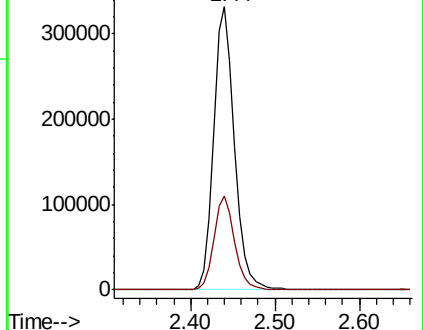
43 100

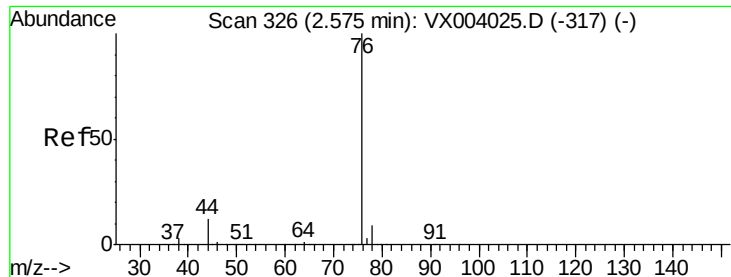
58 33.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 48.38 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

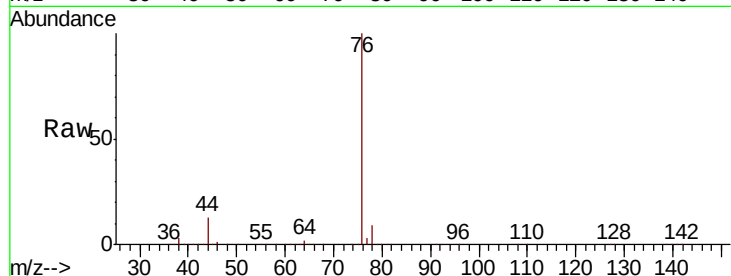
VSTDCCC050EC

Tot Ion: 76 Resp: 425519

Ion Ratio Lower Upper

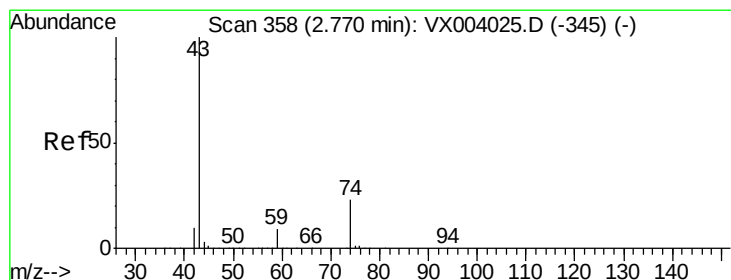
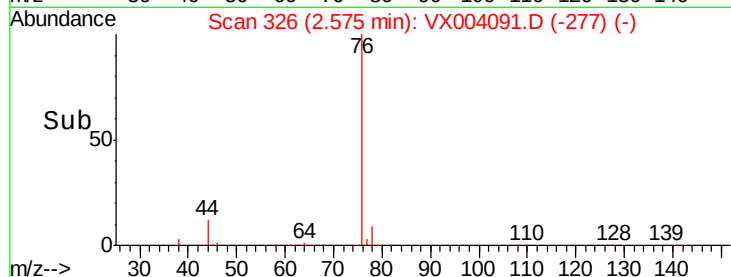
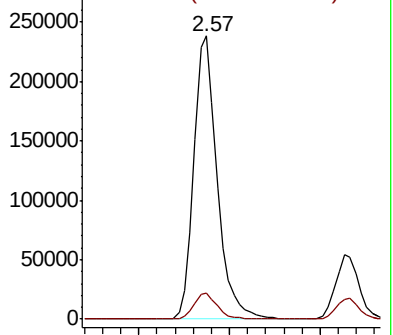
76 100

78 9.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 54.02 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.00 min

Lab File: VX004091.D

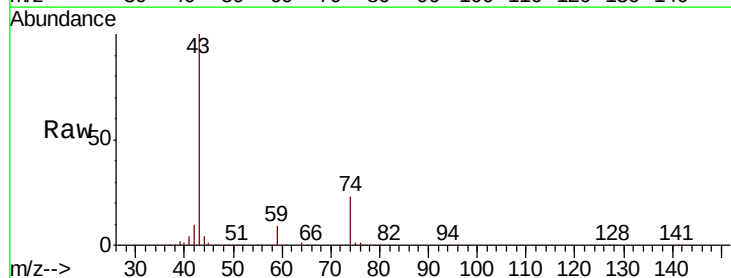
Acq: 15 Aug 2018 23:34

Tgt Ion: 43 Resp: 259197

Ion Ratio Lower Upper

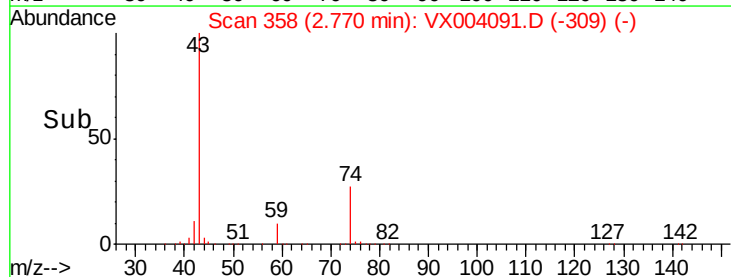
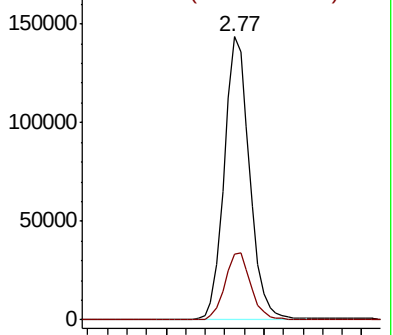
43 100

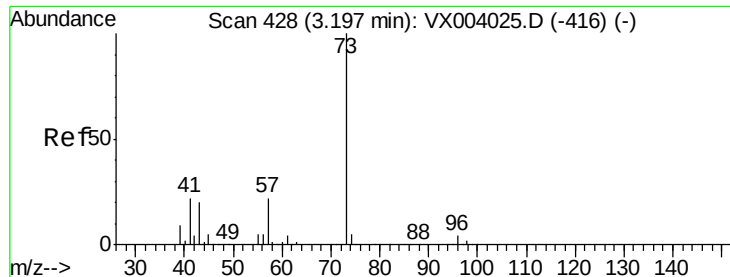
74 24.5 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

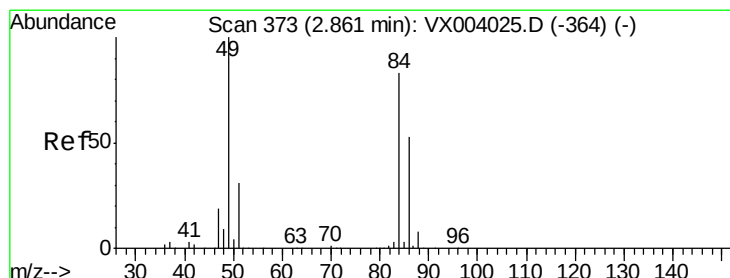
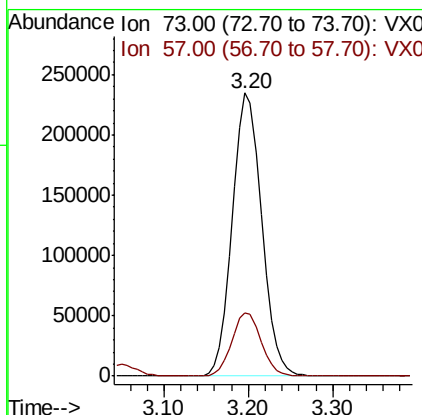
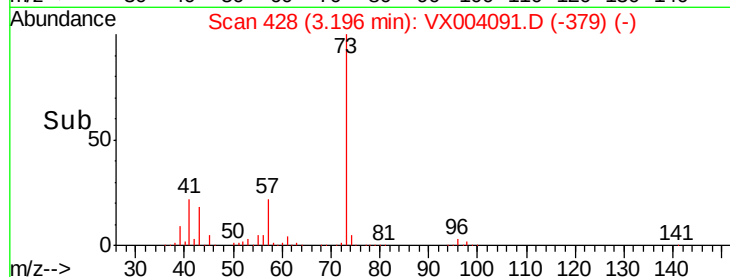
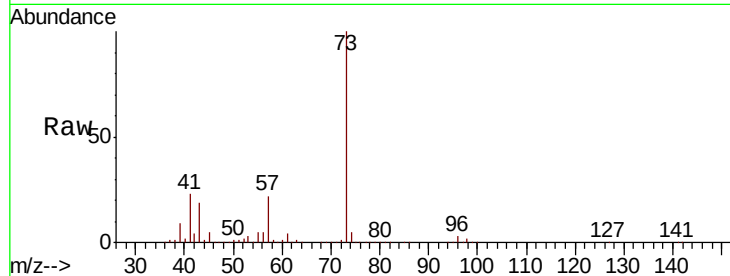




#19
Methvl tert-butyl Ether
Concen: 50.70 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

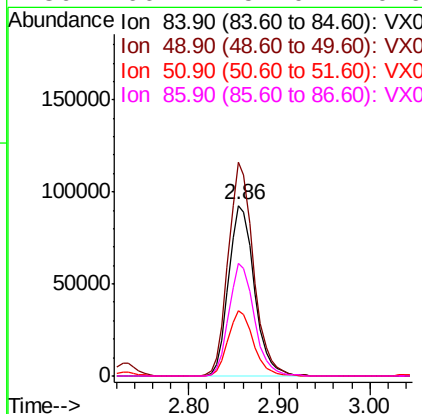
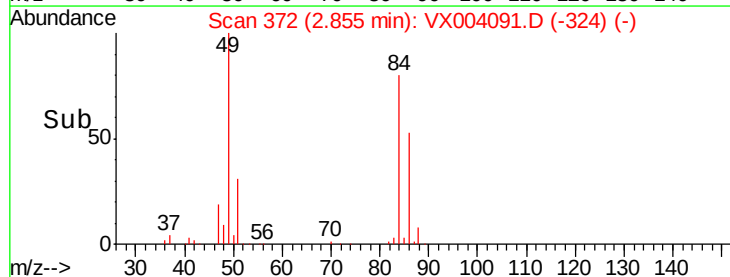
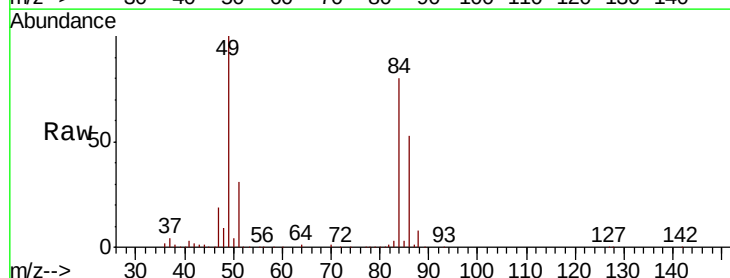
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

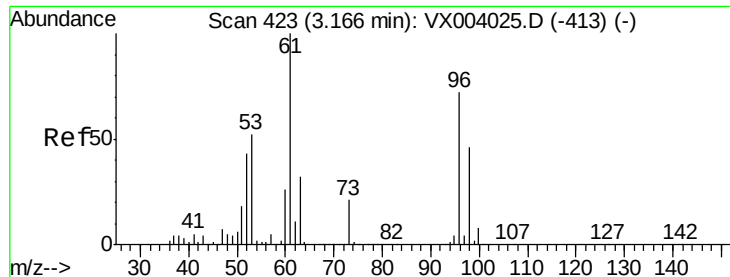
Tot Ion: 73 Resp: 553912
Ion Ratio Lower Upper
73 100
57 22.4 18.0 27.0



#20
Methylene Chloride
Concen: 51.92 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion: 84 Resp: 183149
Ion Ratio Lower Upper
84 100
49 125.4 98.9 148.3
51 38.6 29.9 44.9
86 66.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.96 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

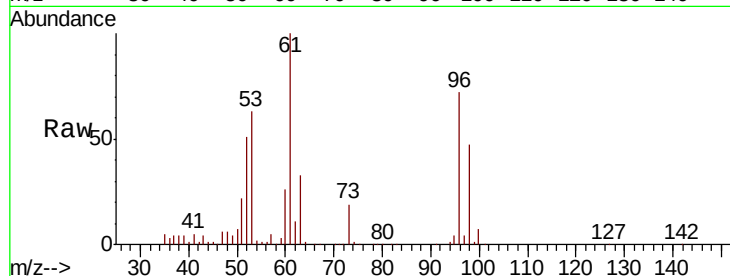
Tot Ion: 96 Resp: 172417

Ion Ratio Lower Upper

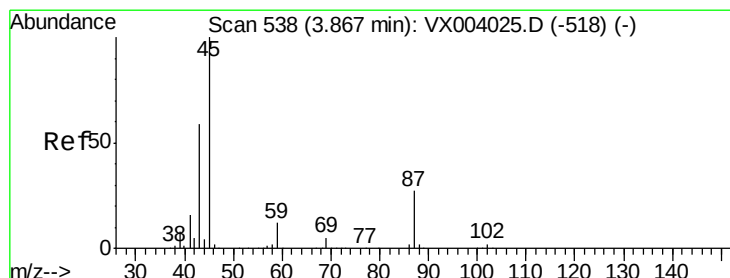
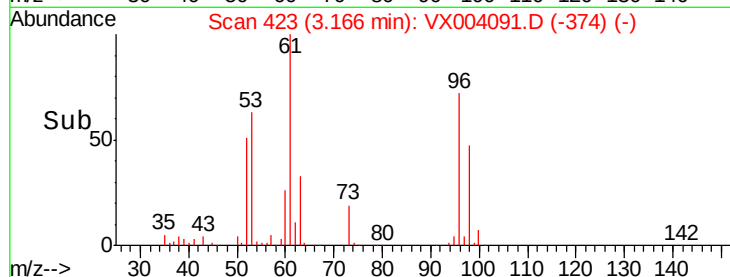
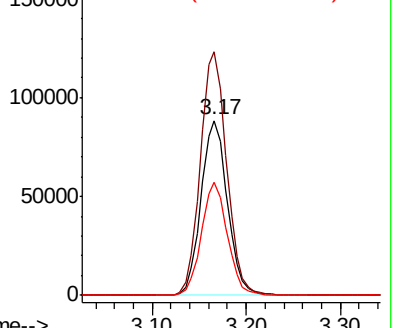
96 100

61 139.4 111.8 167.6

98 64.8 51.8 77.6



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: 50.07 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Tgt Ion: 45 Resp: 578855

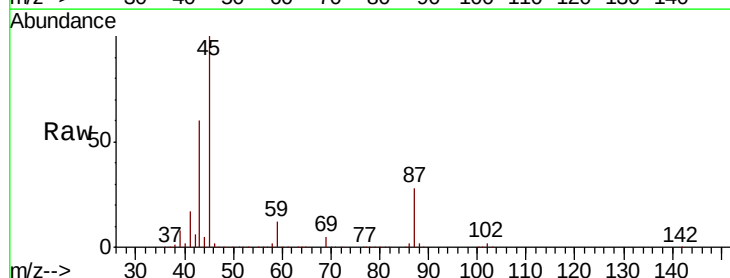
Ion Ratio Lower Upper

45 100

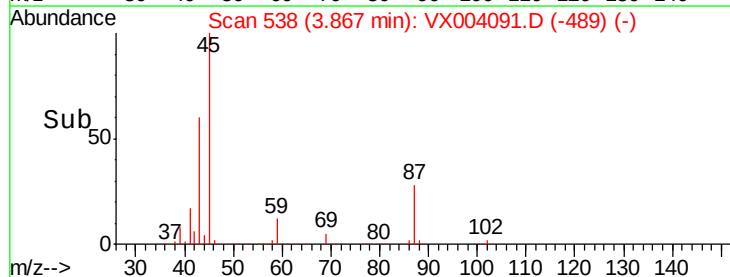
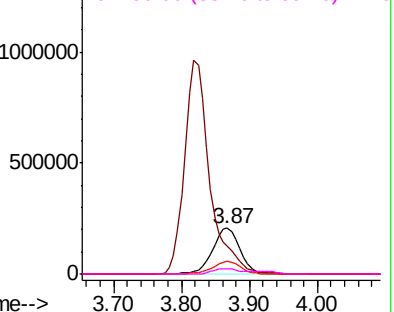
43 60.2 45.3 67.9

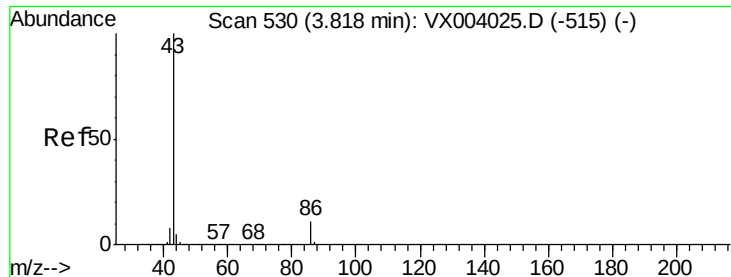
87 28.2 22.7 34.1

59 11.8 9.6 14.4



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





#23

Vinyl Acetate

Concen: 261.78 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

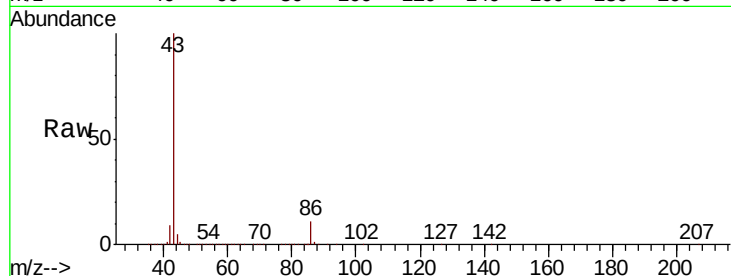
VSTDCCC050EC

Tot Ion: 43 Resp: 2485681

Ion Ratio Lower Upper

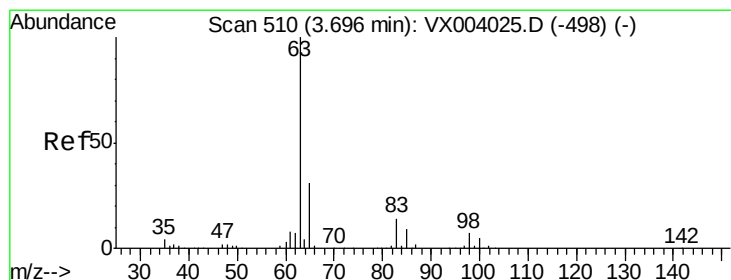
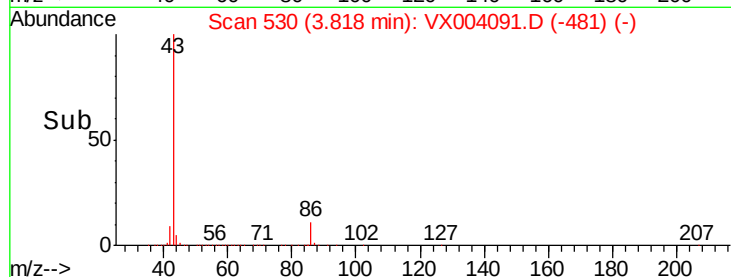
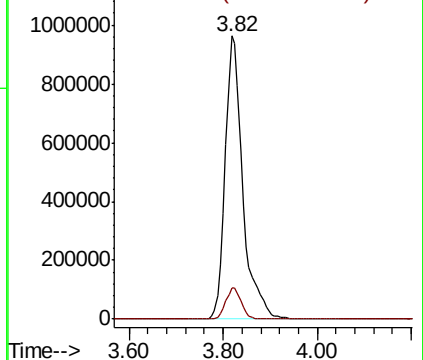
43 100

86 10.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.84 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

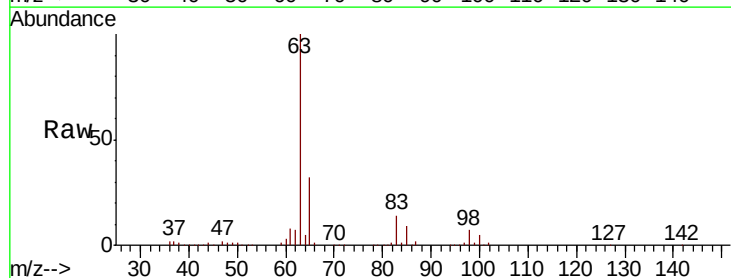
Tgt Ion: 63 Resp: 326350

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

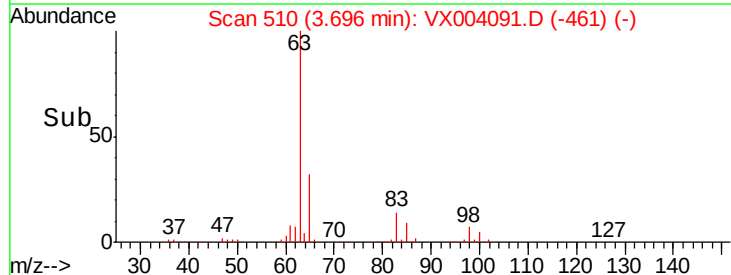
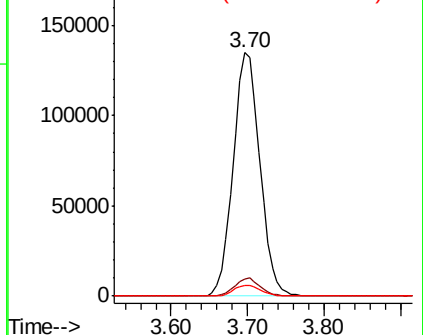
100 4.5 2.3 6.8

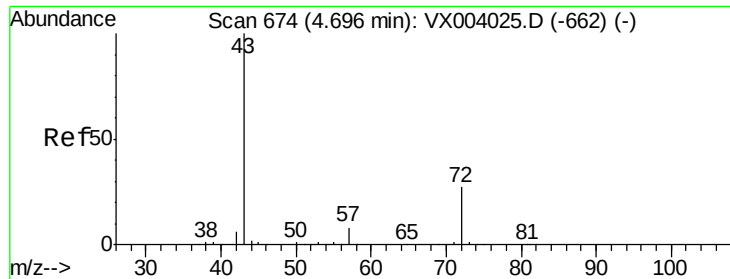


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 266.96 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

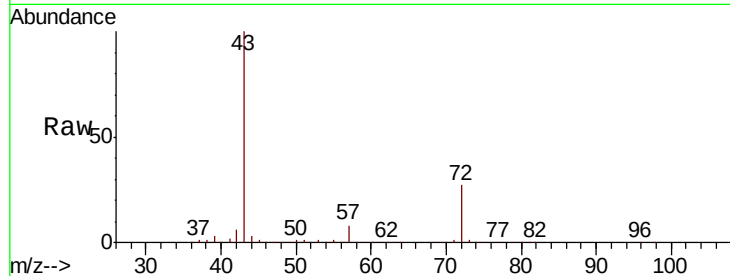
VSTDCCC050EC

Tot Ion: 43 Resp: 937858

Ion Ratio Lower Upper

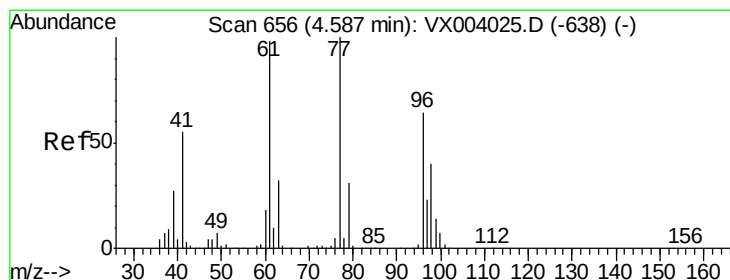
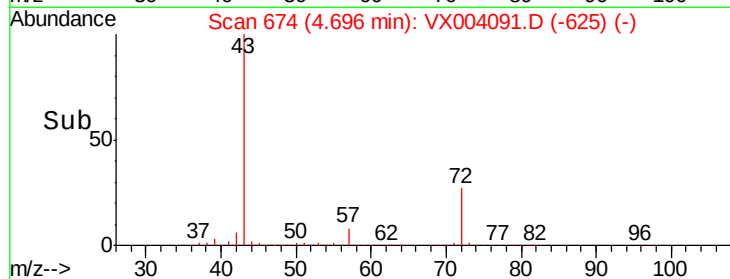
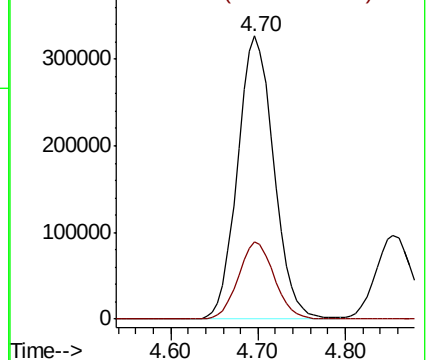
43 100

72 27.1 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 35.19 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004091.D

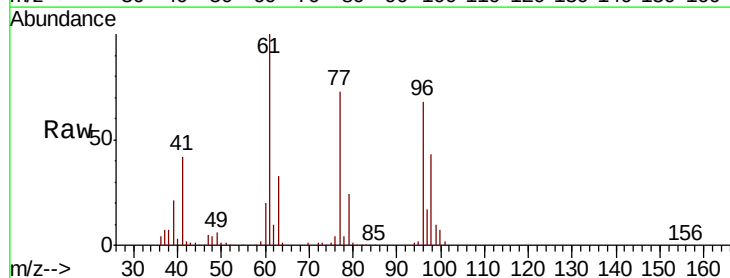
Acq: 15 Aug 2018 23:34

Tgt Ion: 77 Resp: 183193

Ion Ratio Lower Upper

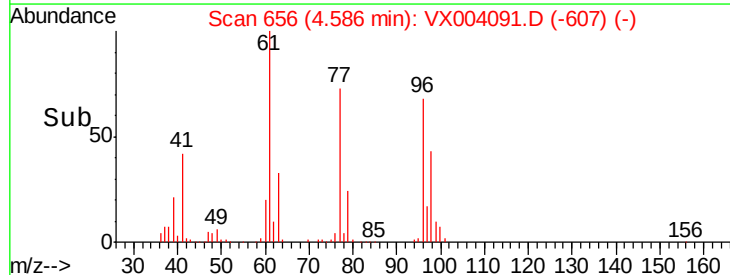
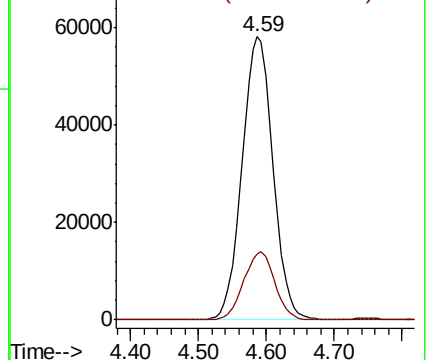
77 100

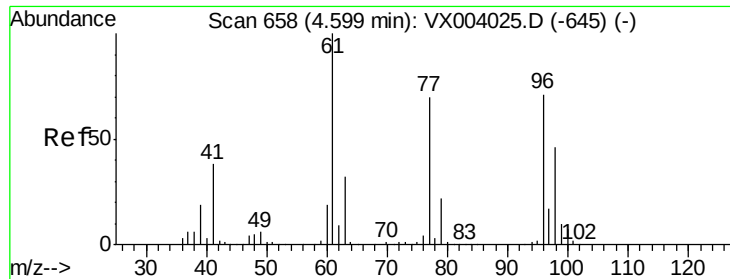
97 24.3 11.9 35.9



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: 49.75 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

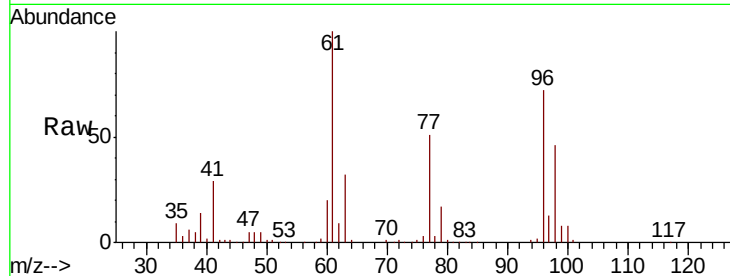
Tot Ion: 96 Resp: 196991

Ion Ratio Lower Upper

96 100

61 142.9 0.0 293.0

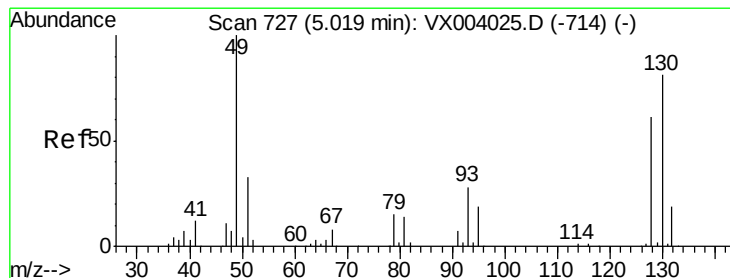
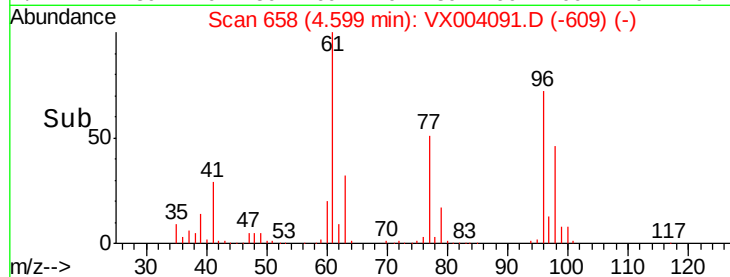
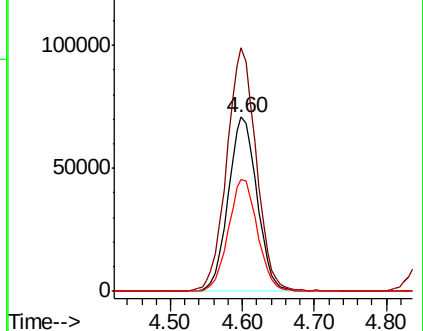
98 64.9 0.0 131.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 51.87 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

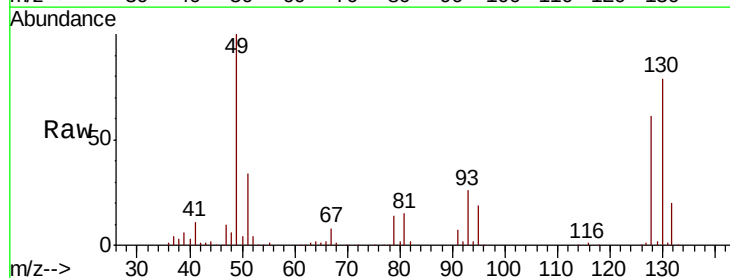
Tgt Ion: 49 Resp: 155825

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

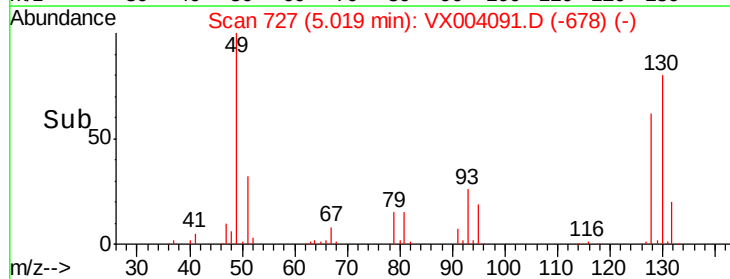
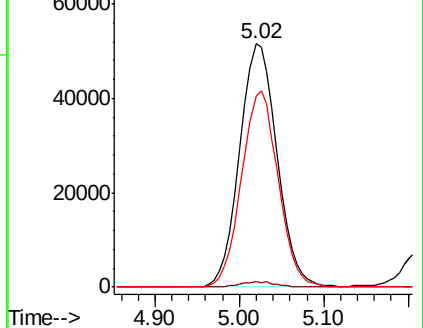
130 78.9 66.5 99.7

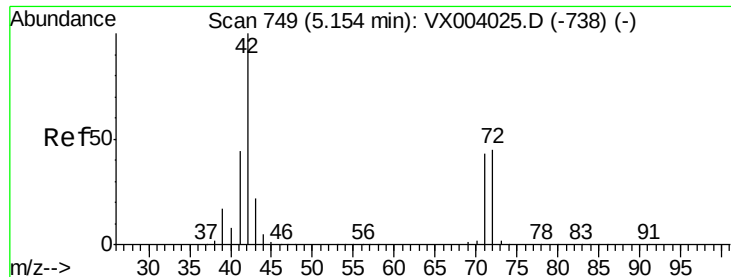


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 263.64 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

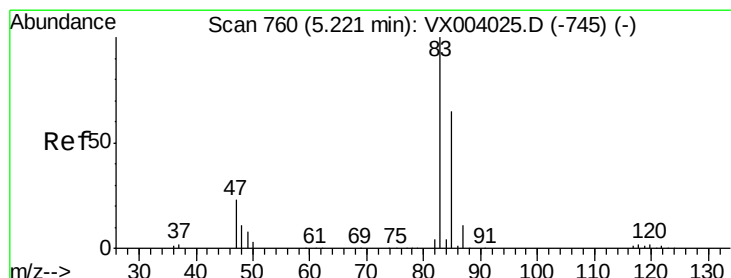
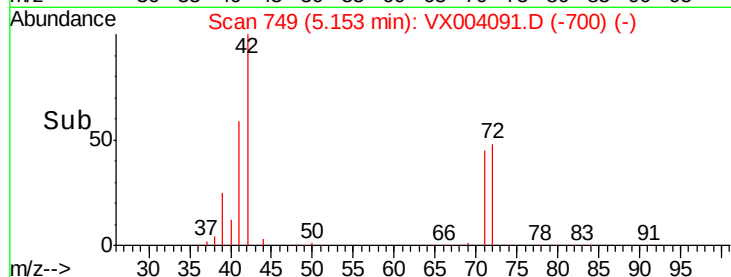
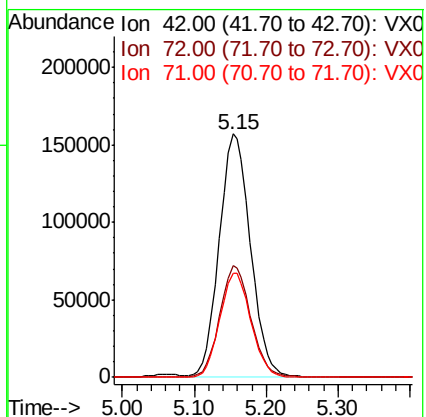
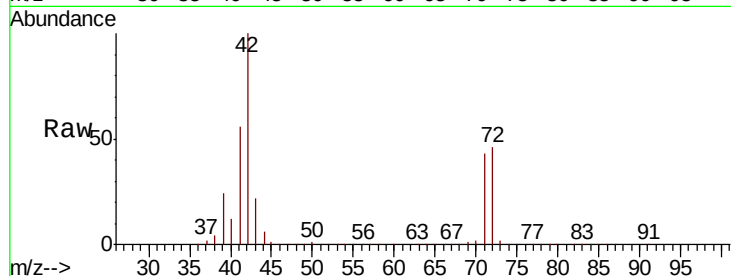
Tot Ion: 42 Resp: 473202

Ion Ratio Lower Upper

42 100

72 45.8 37.7 56.5

71 42.7 35.0 52.6



#30

Chloroform

Concen: 49.94 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX004091.D

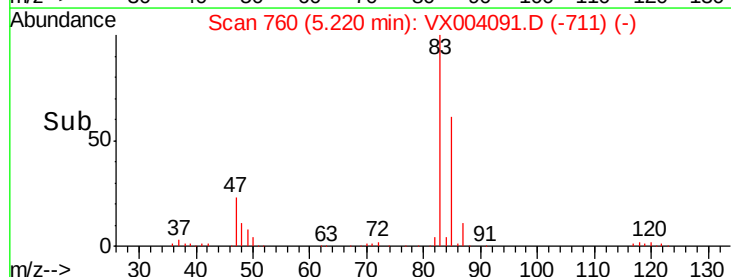
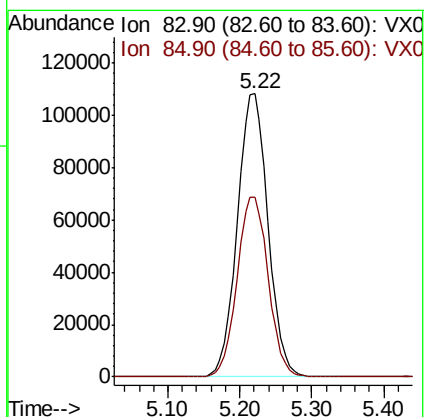
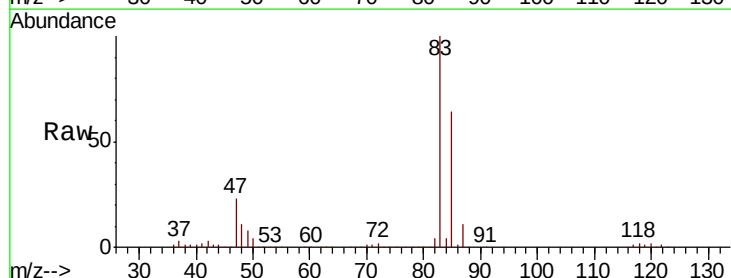
Acq: 15 Aug 2018 23:34

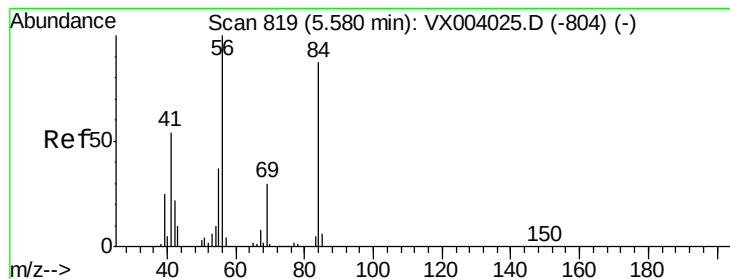
Tgt Ion: 83 Resp: 319187

Ion Ratio Lower Upper

83 100

85 63.6 50.7 76.1





#31

Cyclohexane

Concen: 48.15 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

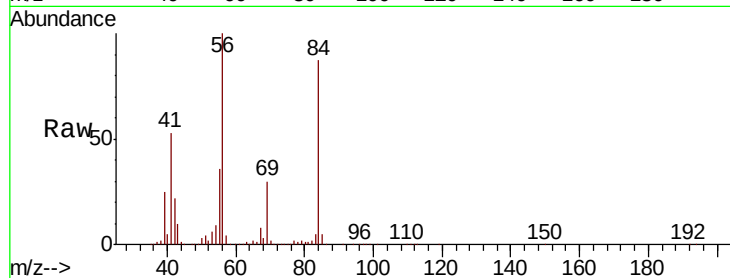
Tot Ion: 56 Resp: 276405

Ion Ratio Lower Upper

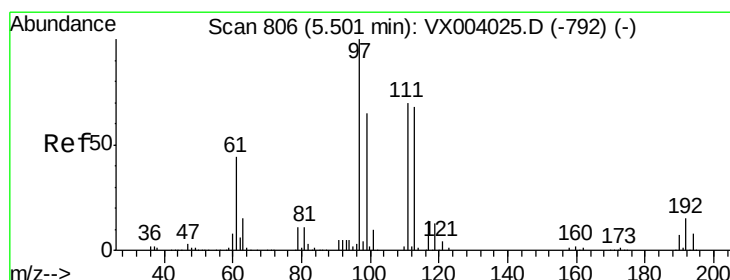
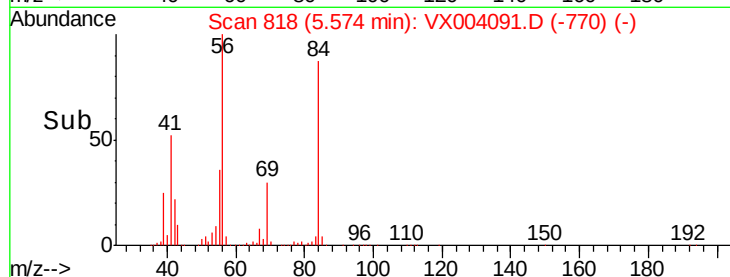
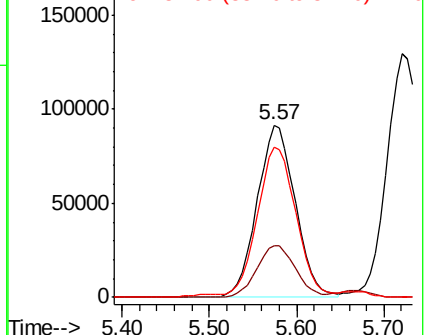
56 100

69 29.8 24.9 37.3

84 86.4 71.7 107.5



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



#32

1,1,1-Trichloroethane

Concen: 50.54 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

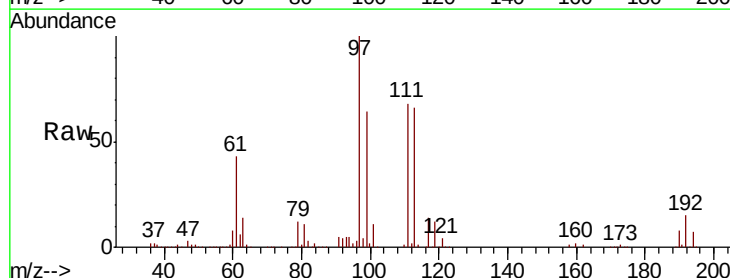
Tgt Ion: 97 Resp: 269889

Ion Ratio Lower Upper

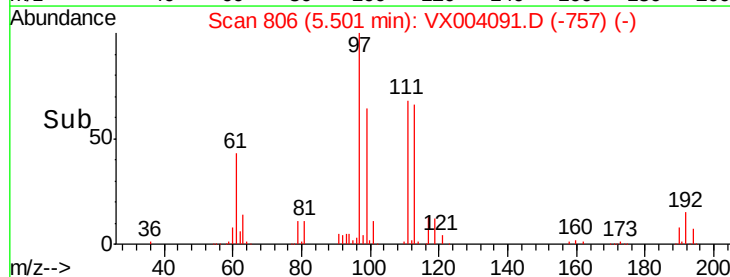
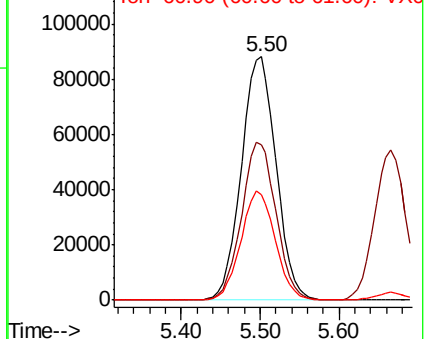
97 100

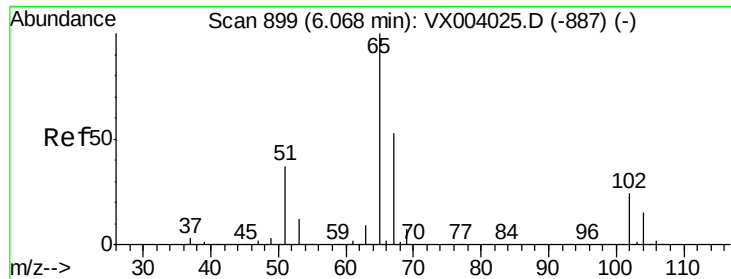
99 64.4 51.8 77.8

61 44.5 34.4 51.6



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

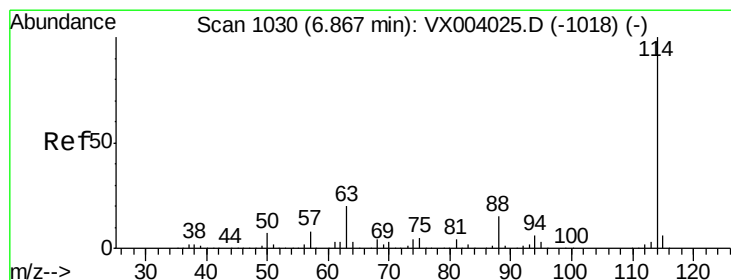
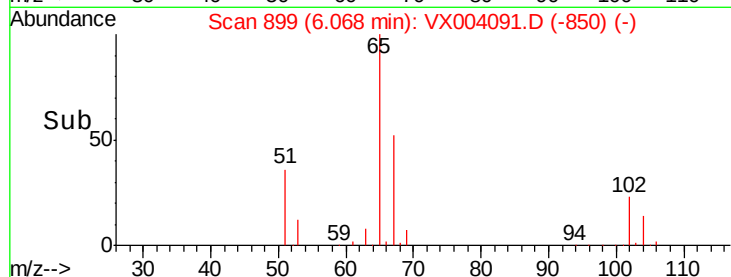
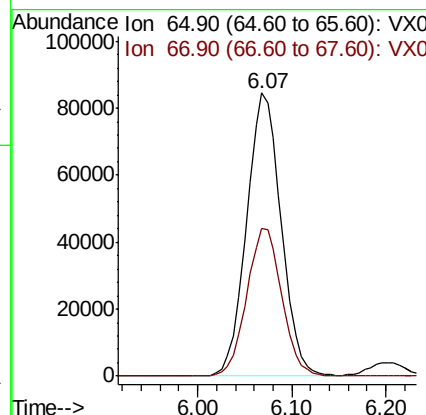
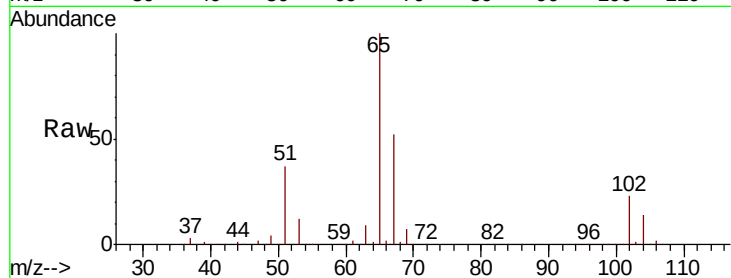




#33
 1,2-Dichloroethane-d4
 Concen: 52.25 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

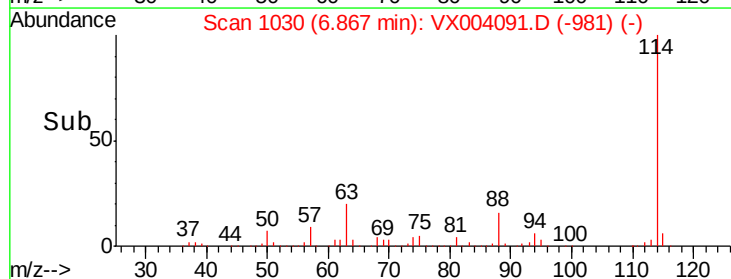
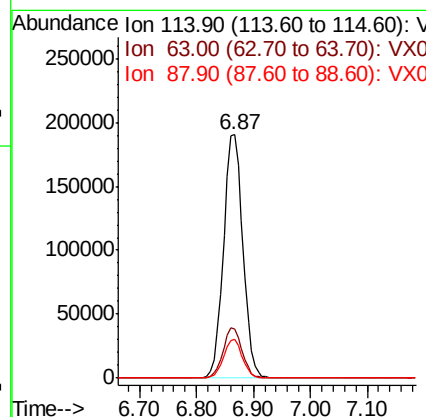
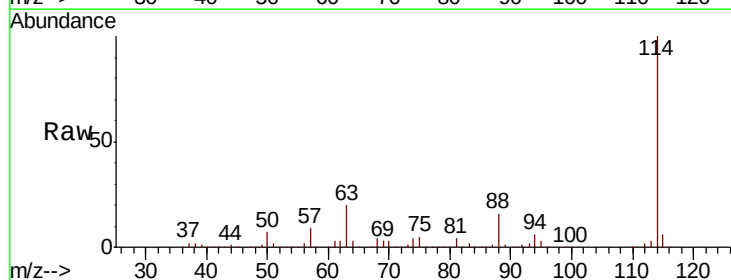
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

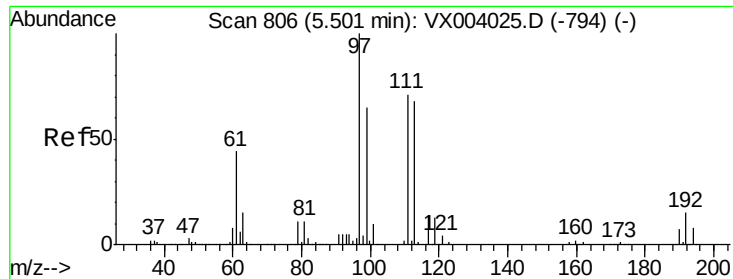
Tot Ion: 65 Resp: 216979
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion: 114 Resp: 449037
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 15.8 0.0 32.0

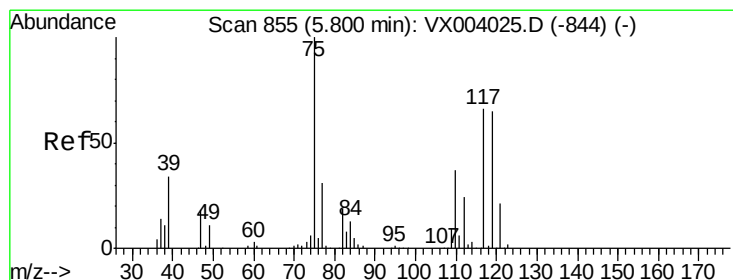
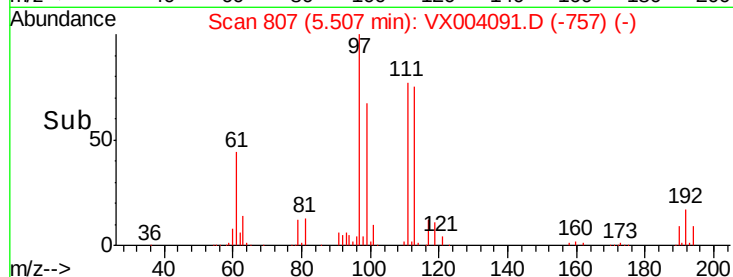
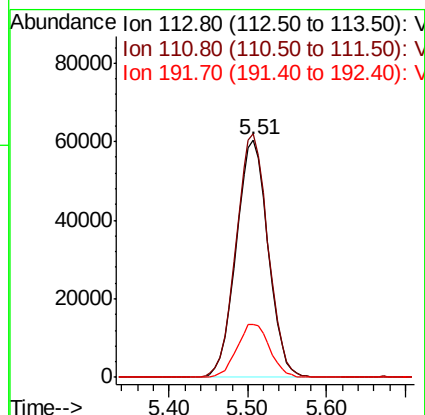
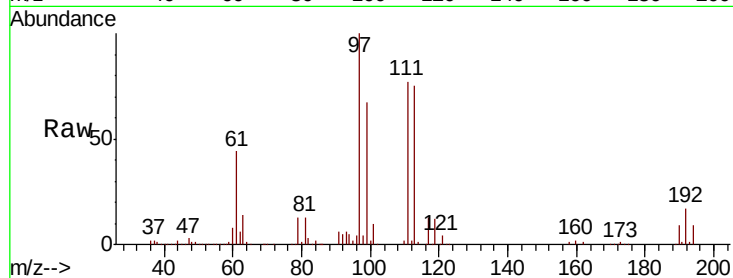




#35
 Dibromofluoromethane
 Concen: 50.68 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

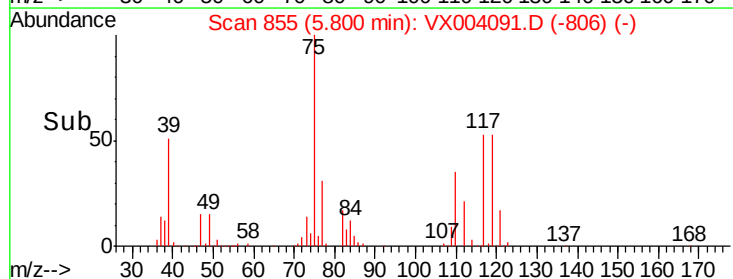
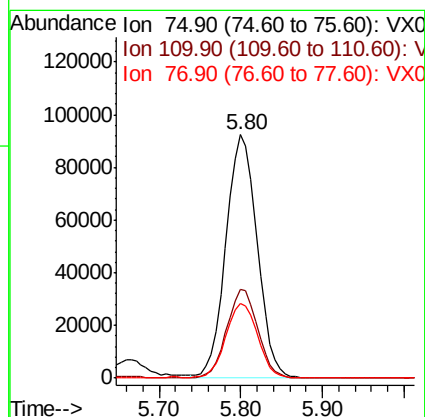
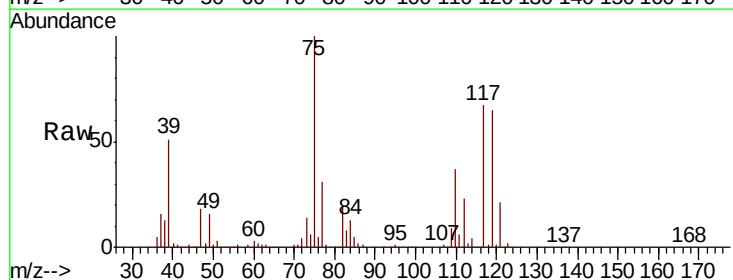
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

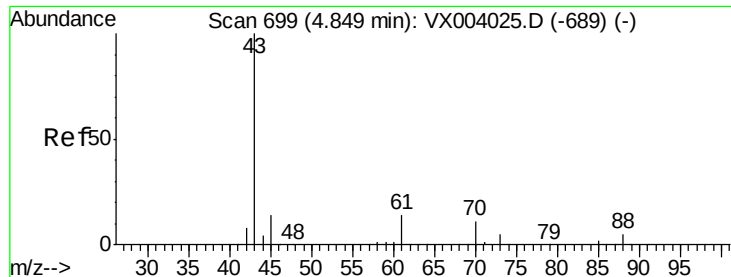
Tot Ion:113 Resp: 170329
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.0 123.0
 192 22.9 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 47.75 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion: 75 Resp: 243997
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.2 54.6
 77 31.3 25.0 37.4





#37

Ethyl Acetate

Concen: 50.83 ug/l

RT: 4.85 min Scan# 700

Delta R.T. 0.01 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

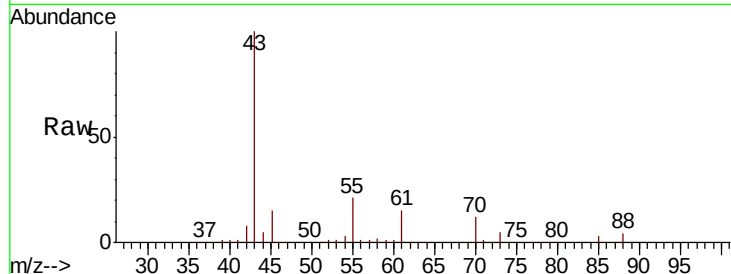
Tot Ion: 43 Resp: 282838

Ion Ratio Lower Upper

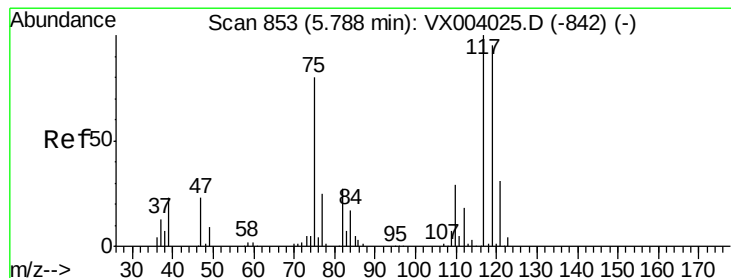
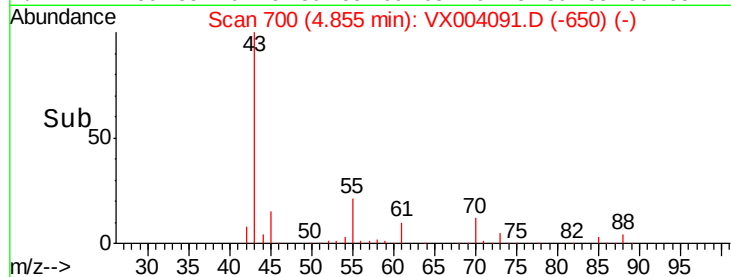
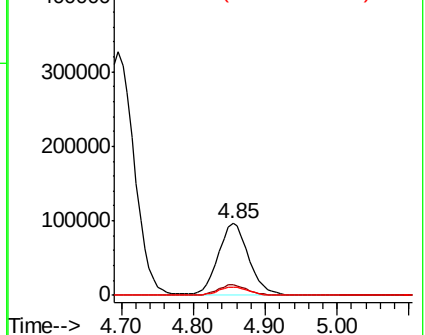
43 100

61 14.6 11.5 17.3

70 11.2 9.0 13.4



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



#38

Carbon Tetrachloride

Concen: 48.96 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

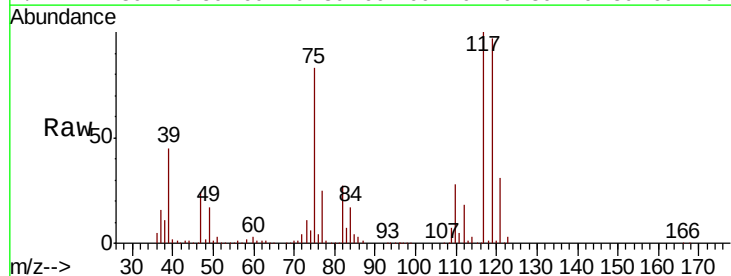
Tgt Ion: 117 Resp: 243056

Ion Ratio Lower Upper

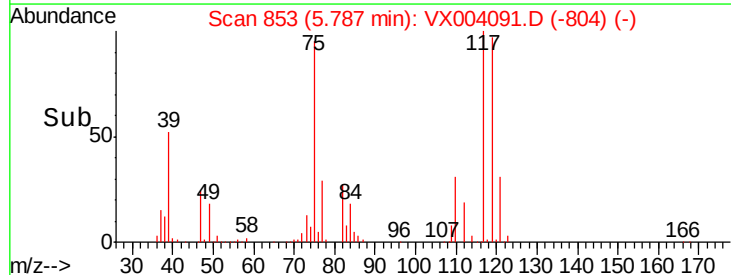
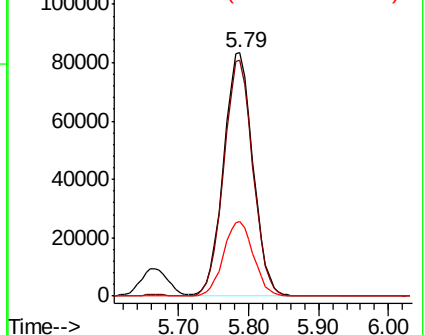
117 100

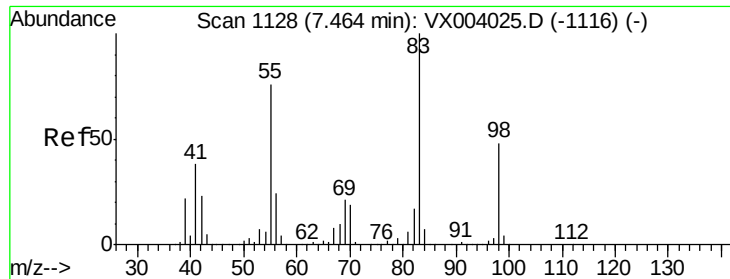
119 97.1 79.5 119.3

121 30.5 25.0 37.4



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

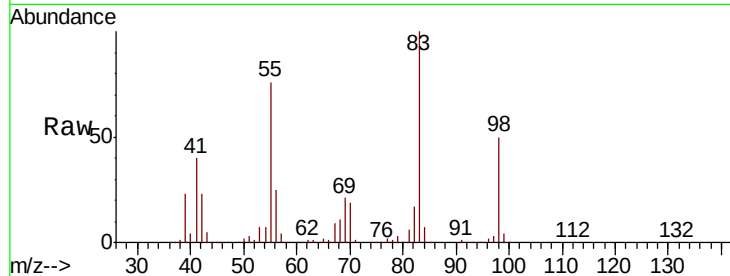




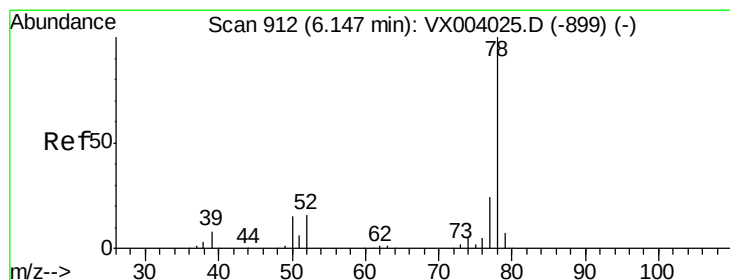
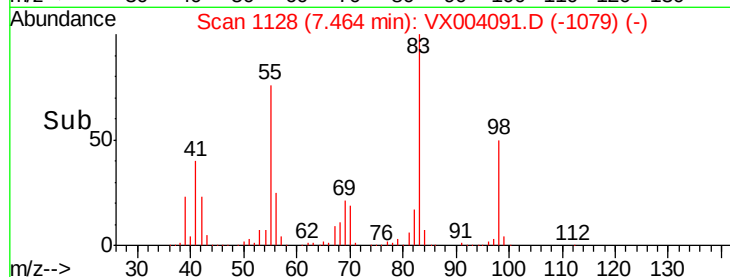
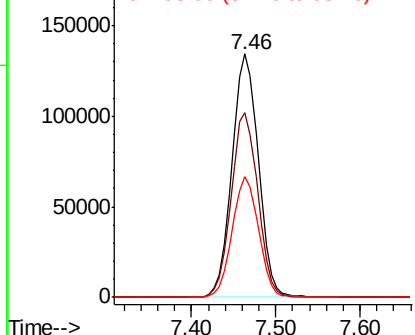
#39
Methylvlcyclohexane
Concen: 49.20 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 285214
Ion Ratio Lower Upper
83 100
55 75.7 61.0 91.6
98 49.6 38.6 57.8

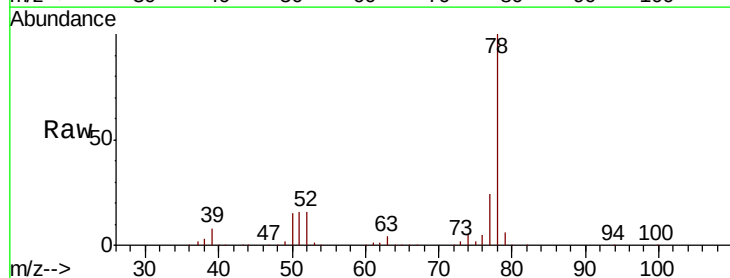


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

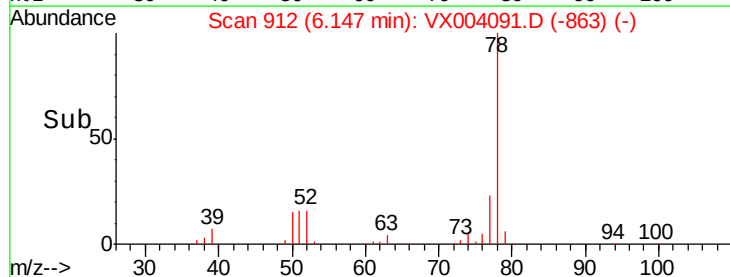
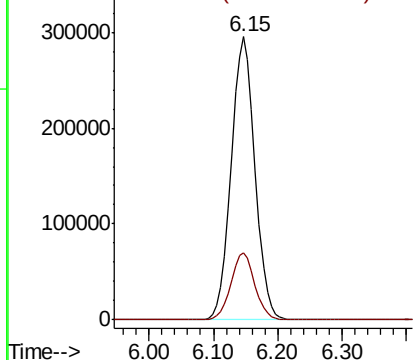


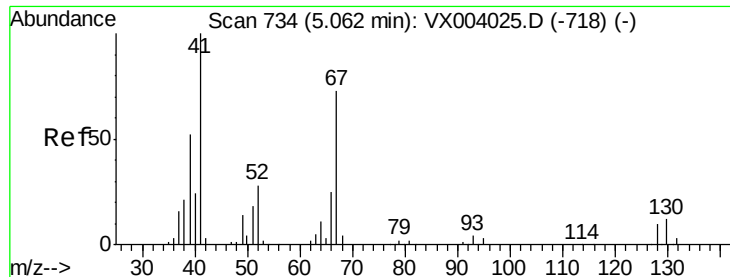
#40
Benzene
Concen: 49.64 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion: 78 Resp: 761610
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4



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

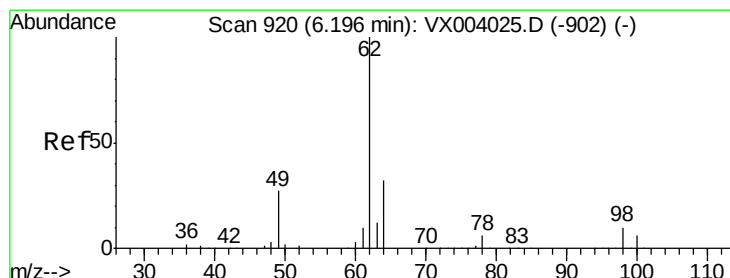
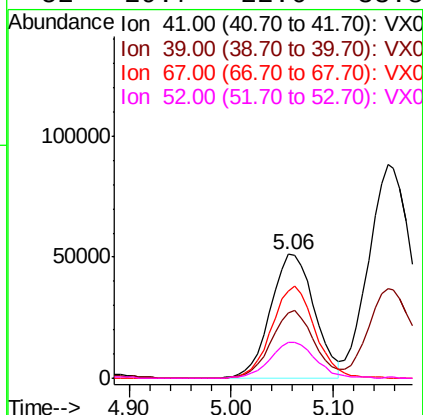
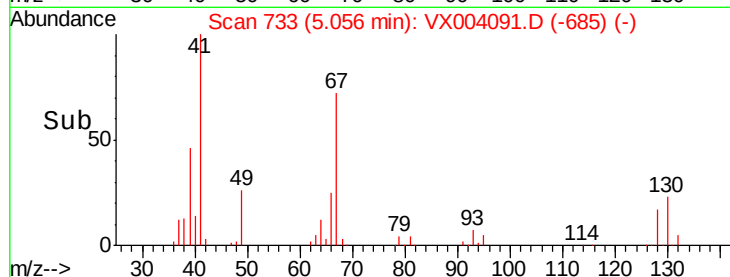
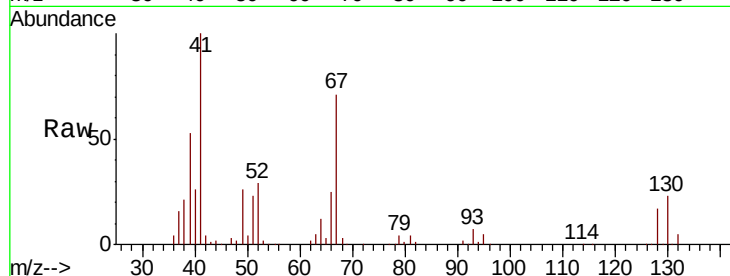




#41
Methacrylonitrile
Concen: 48.94 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

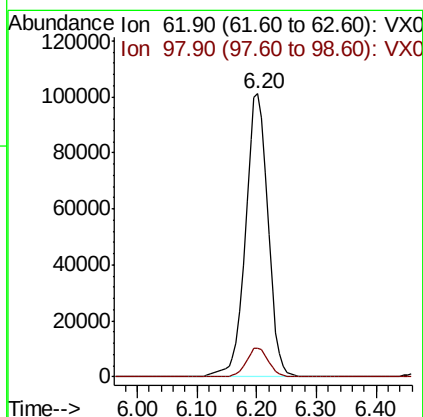
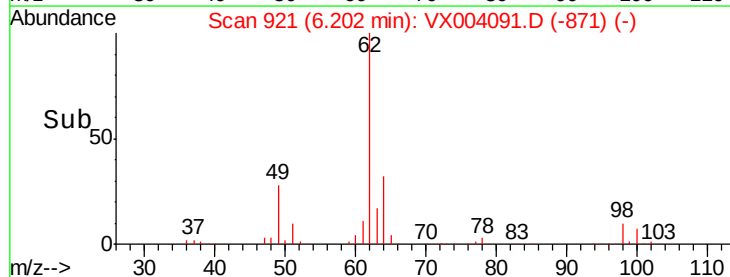
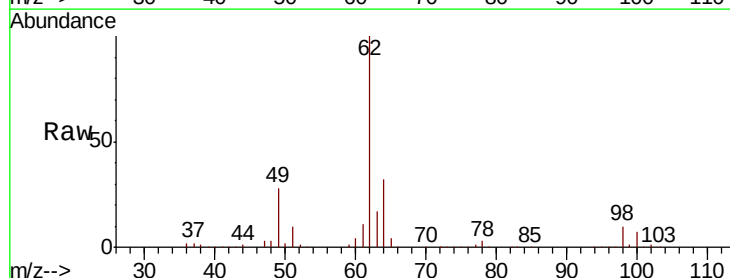
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

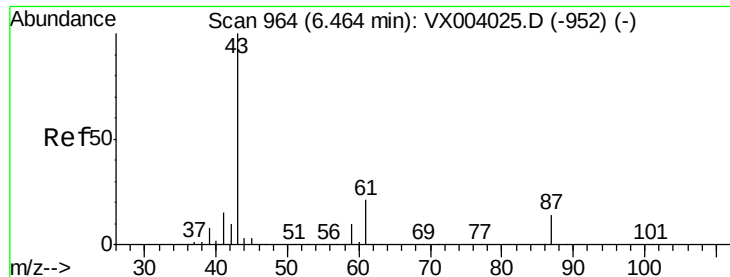
Tot Ion:	41	Resp:	152524
Ion	Ratio	Lower	Upper
41	100		
39	52.9	42.7	64.1
67	73.4	58.9	88.3
52	29.7	22.6	33.8



#42
1,2-Dichloroethane
Concen: 49.36 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.01 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion:	62	Resp:	265111
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.4





#43

Isopropyl Acetate

Concen: 51.56 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

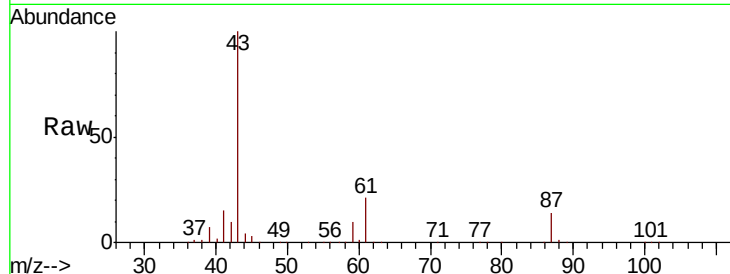
Tot Ion: 43 Resp: 422912

Ion Ratio Lower Upper

43 100

61 20.9 16.9 25.3

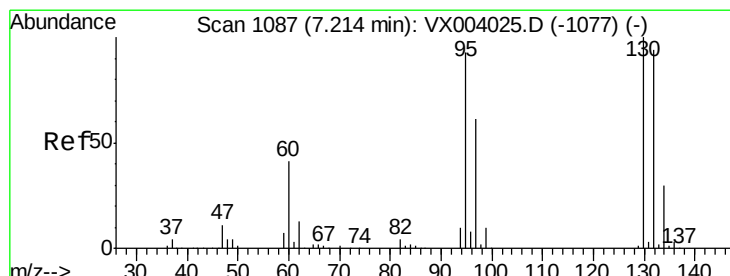
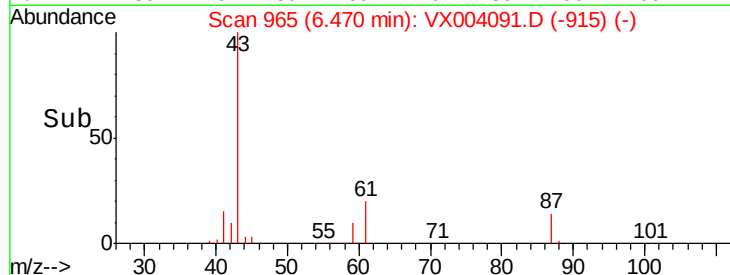
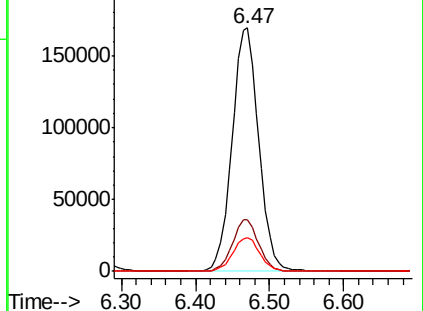
87 14.0 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 48.57 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004091.D

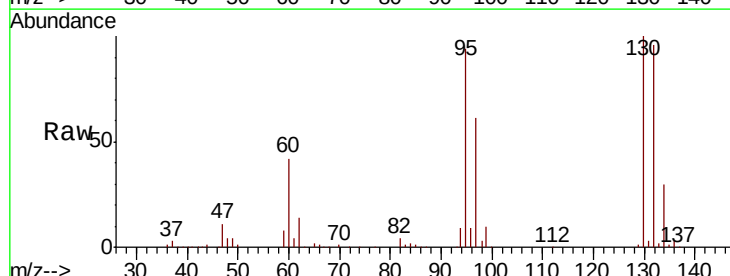
Acq: 15 Aug 2018 23:34

Tgt Ion:130 Resp: 202330

Ion Ratio Lower Upper

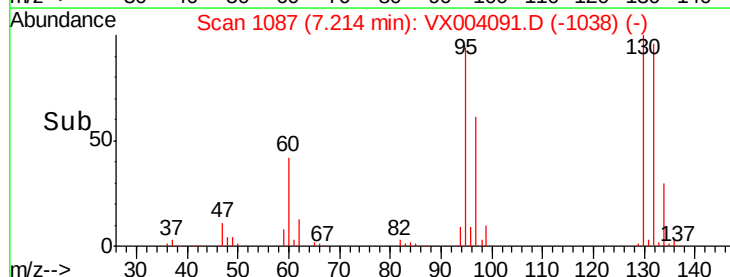
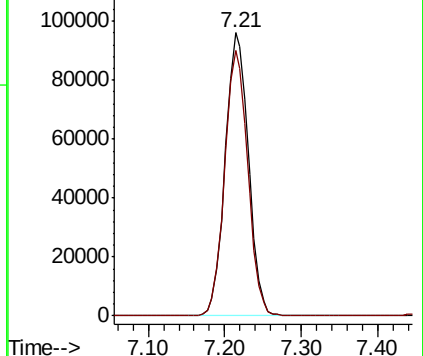
130 100

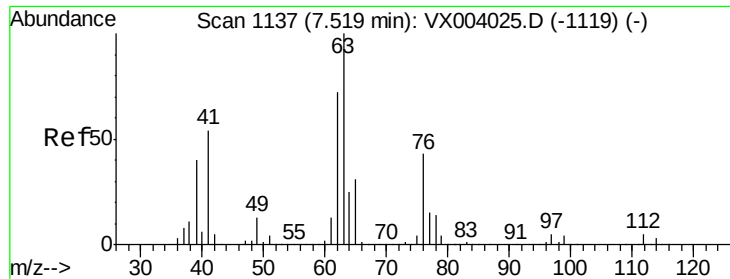
95 93.7 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

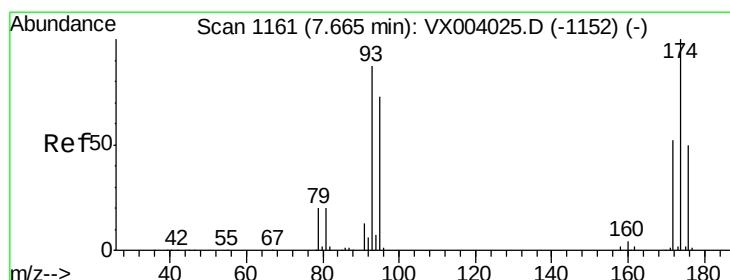
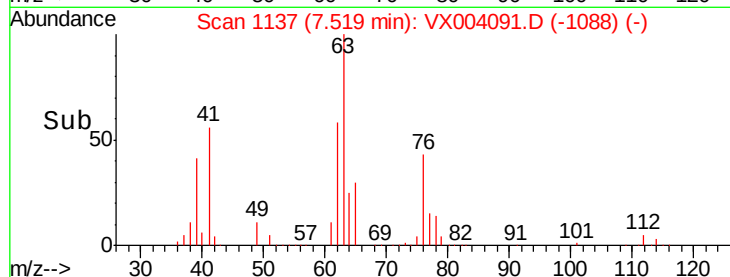
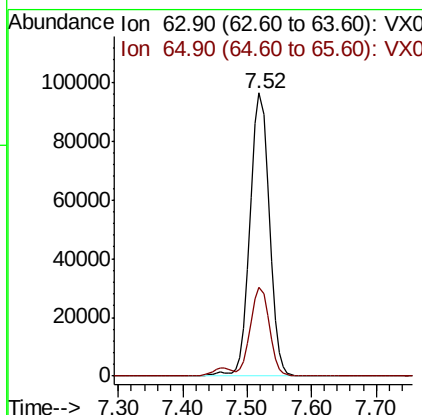
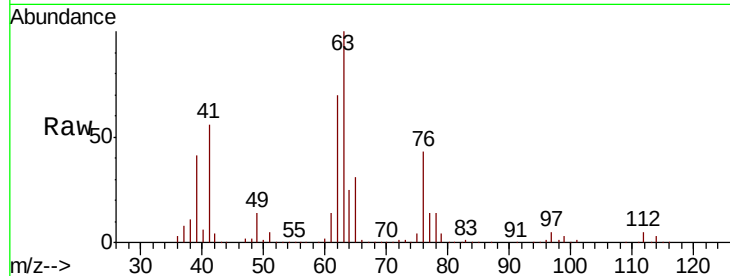




#45
 1,2-Dichloropropane
 Concen: 50.16 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

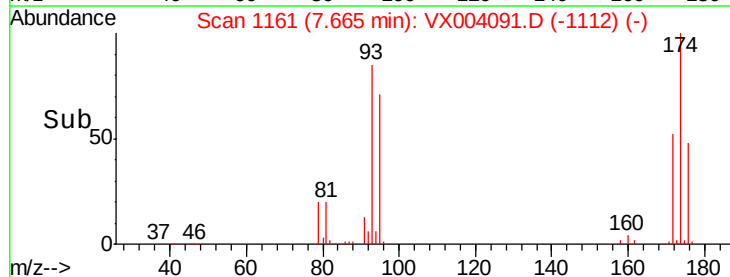
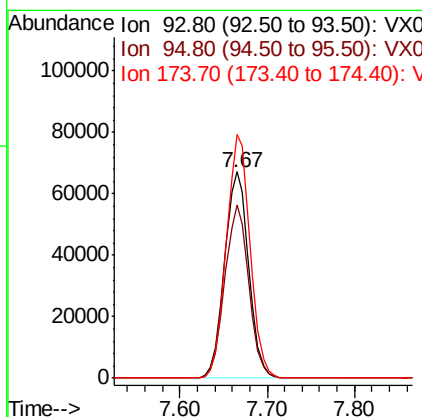
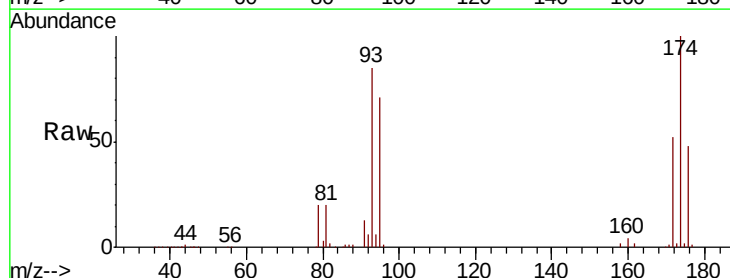
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

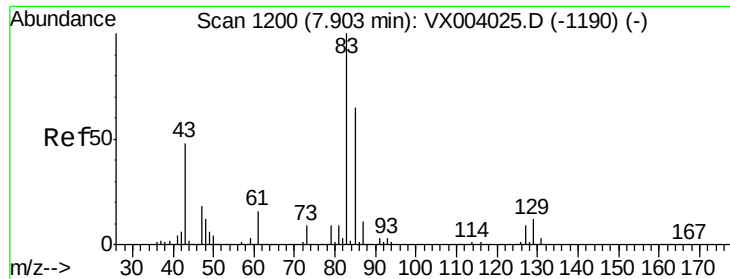
Tot Ion: 63 Resp: 197007
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 36.8



#46
 Dibromomethane
 Concen: 50.02 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion: 93 Resp: 128382
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.4 99.6
 174 116.7 94.3 141.5





#47

Bromodichloromethane

Concen: 51.02 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

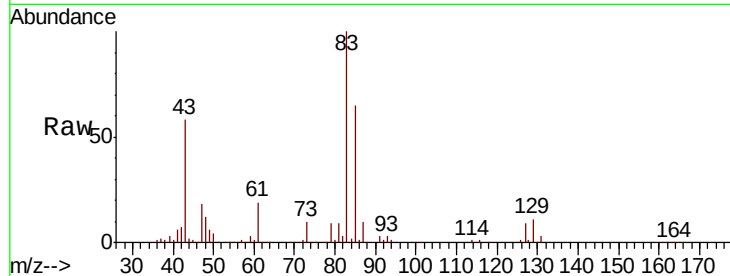
Tot Ion: 83 Resp: 248012

Ion Ratio Lower Upper

83 100

85 64.5 51.2 76.8

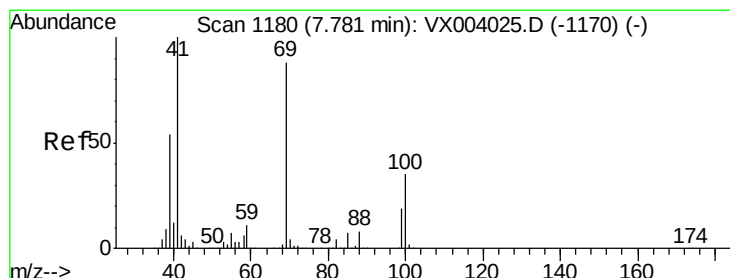
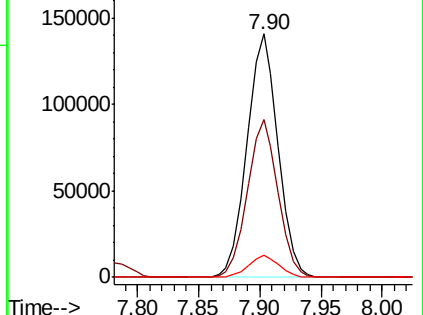
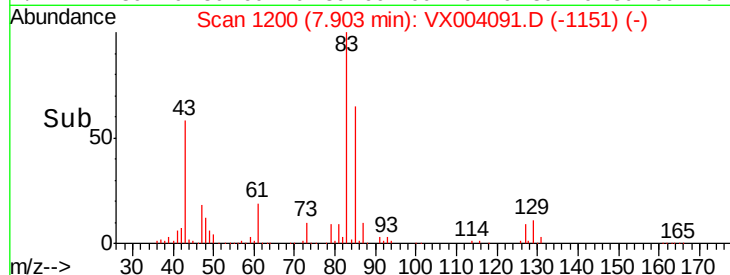
127 9.0 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 54.70 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

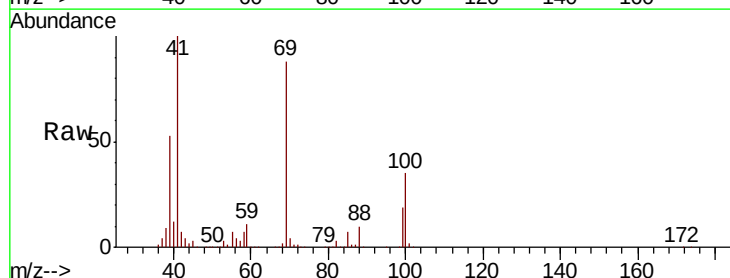
Tgt Ion: 41 Resp: 225838

Ion Ratio Lower Upper

41 100

69 87.0 68.8 103.2

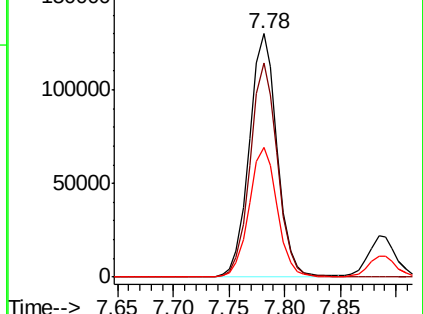
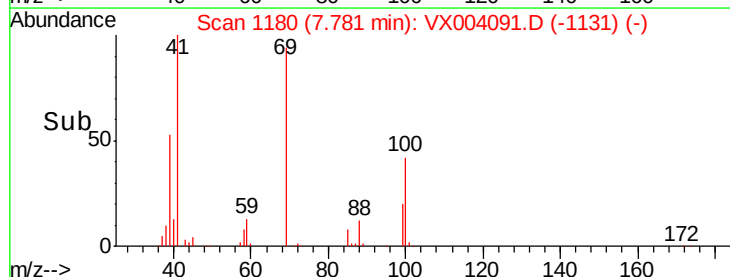
39 53.9 42.3 63.5

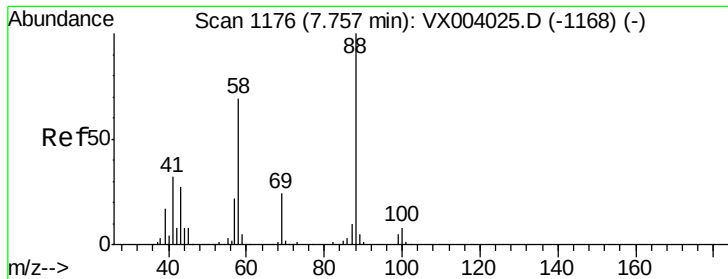


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

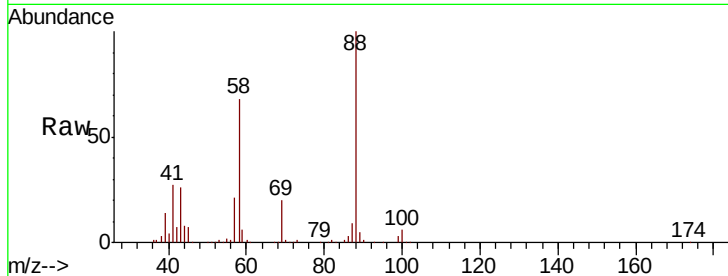




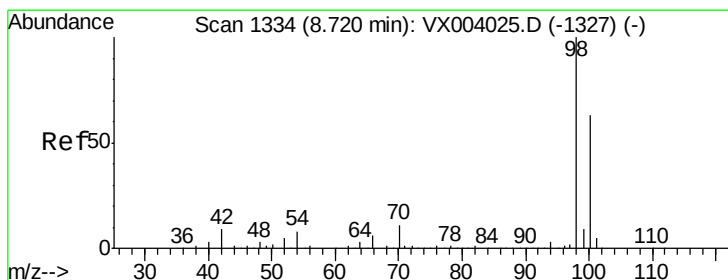
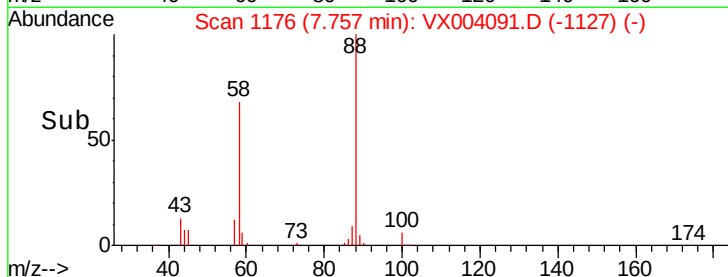
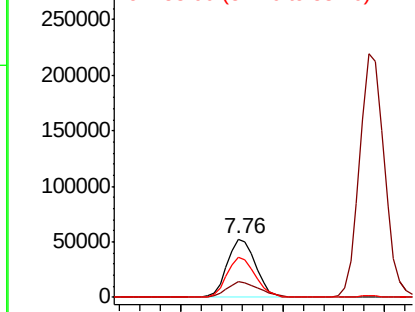
#49
1,4-Dioxane
Concen: 1083.76 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 100742
Ion Ratio Lower Upper
88 100
43 30.1 23.8 35.8
58 69.2 55.4 83.0

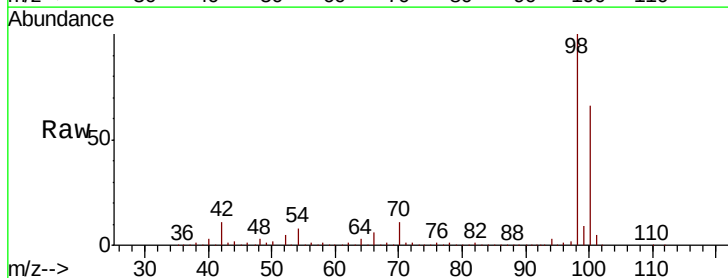


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

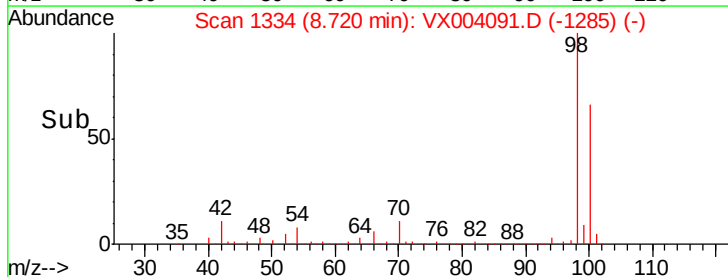
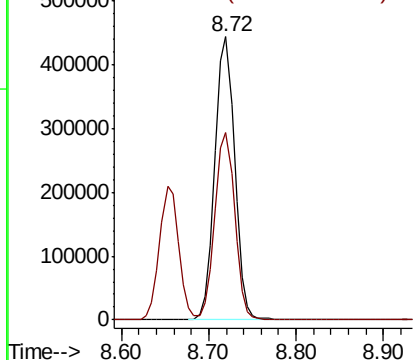


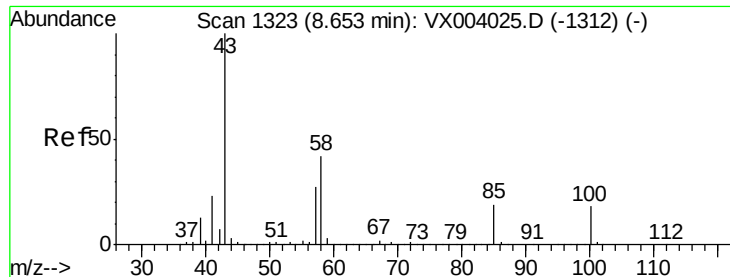
#50
Toluene-d8
Concen: 51.24 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion: 98 Resp: 698138
Ion Ratio Lower Upper
98 100
100 67.0 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 276.87 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

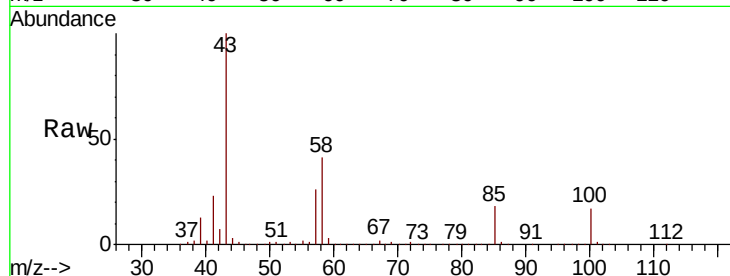
VSTDCCC050EC

Tot Ion: 43 Resp: 1861966

Ion Ratio Lower Upper

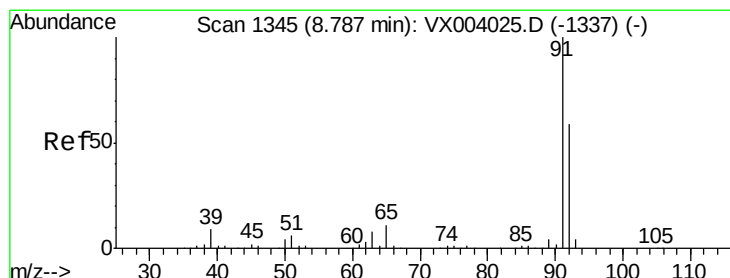
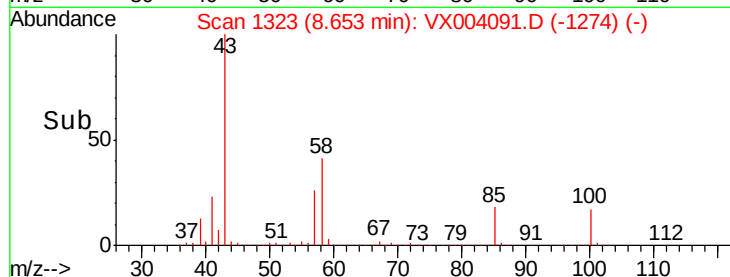
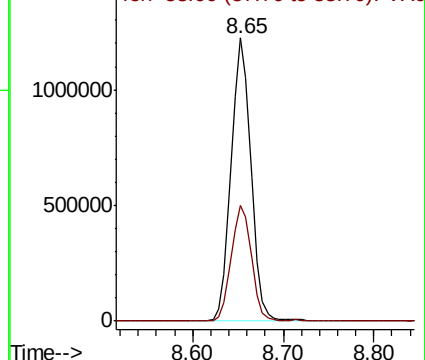
43 100

58 41.3 33.0 49.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.86 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004091.D

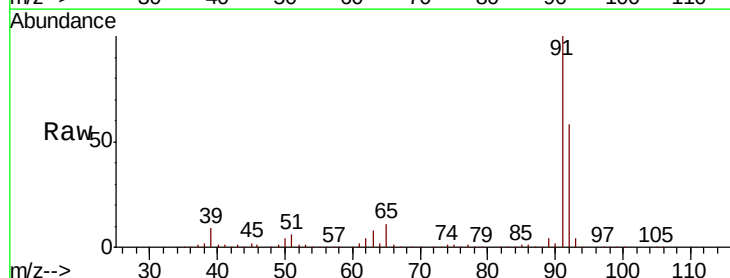
Acq: 15 Aug 2018 23:34

Tgt Ion: 92 Resp: 493481

Ion Ratio Lower Upper

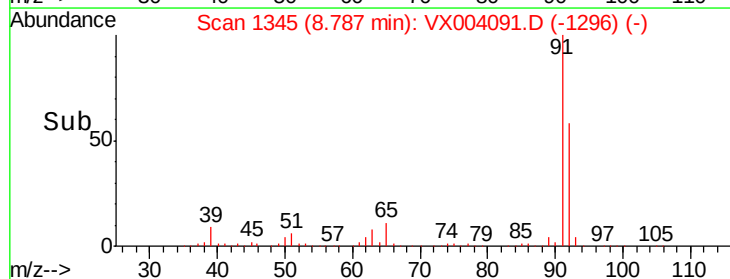
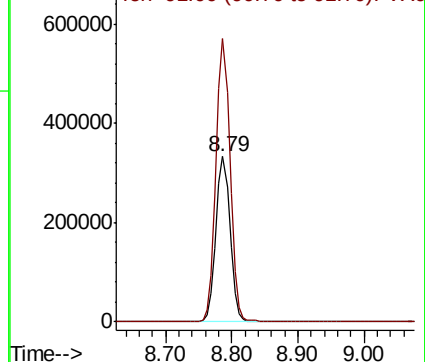
92 100

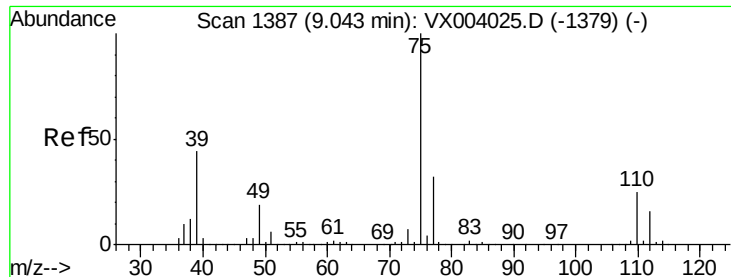
91 170.3 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 50.32 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

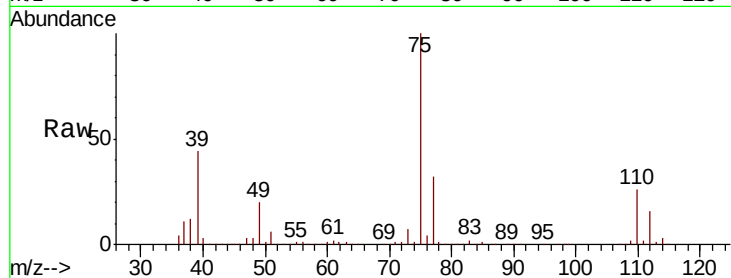
VSTDCCC050EC

Tot Ion: 75 Resp: 264266

Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

200000

150000

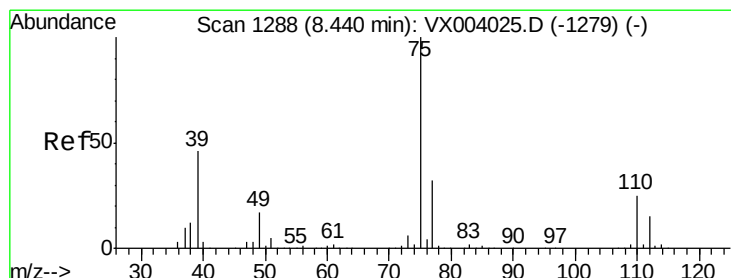
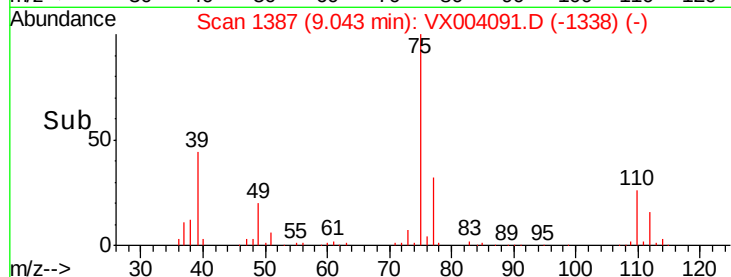
100000

50000

0

Time-->

9.00 9.10 9.20



#54

cis-1,3-Dichloropropene

Concen: 49.71 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

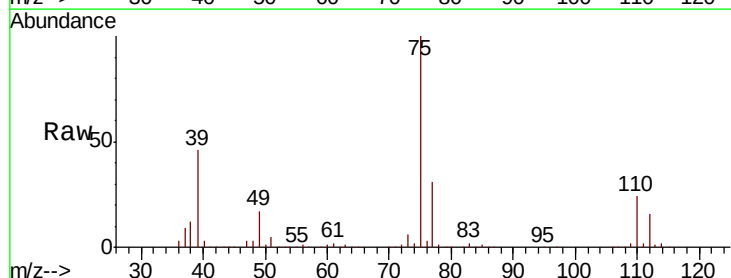
Tgt Ion: 75 Resp: 289144

Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9

39 45.5 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

250000

200000

150000

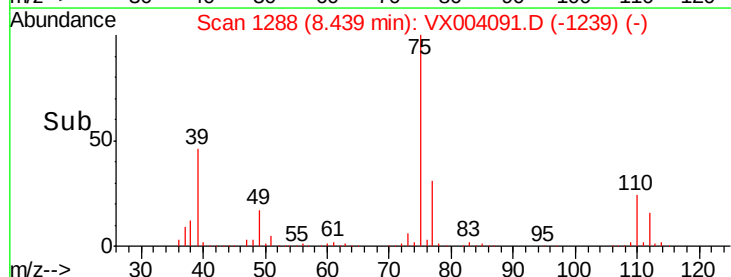
100000

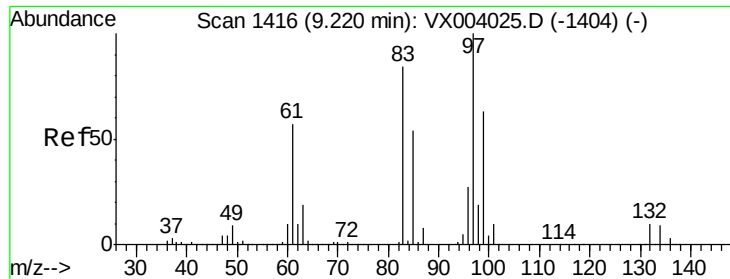
50000

0

Time-->

8.40 8.50

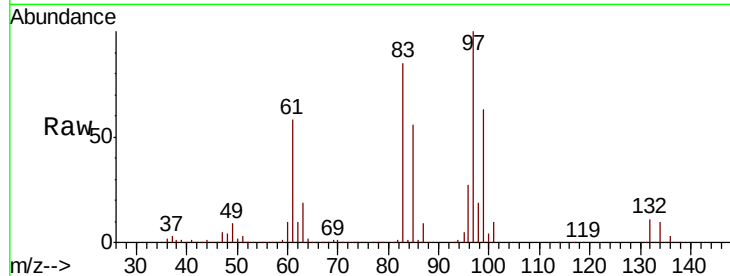




#55
 1,1,2-Trichloroethane
 Concen: 49.43 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	198086
Ion	Ratio	Lower	Upper
97	100		
83	85.1	67.8	101.6
85	56.1	44.2	66.2
99	62.7	50.8	76.2



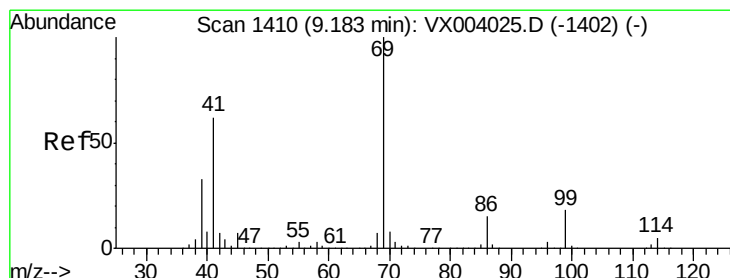
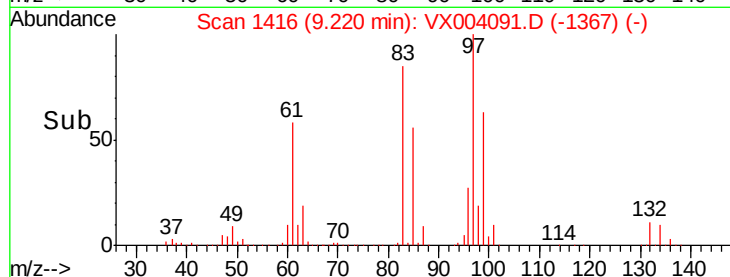
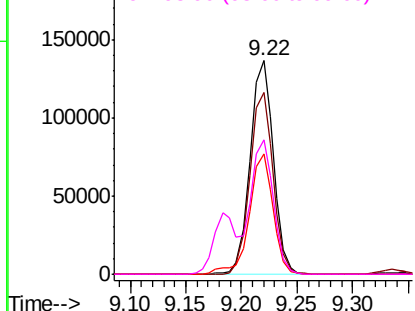
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

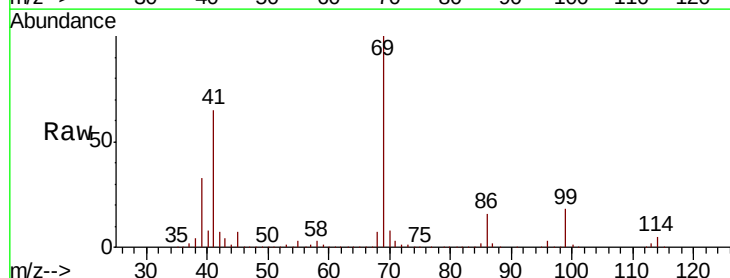
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 54.85 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion:	69	Resp:	298898
Ion	Ratio	Lower	Upper
69	100		
41	63.6	50.6	76.0
39	32.9	25.8	38.6

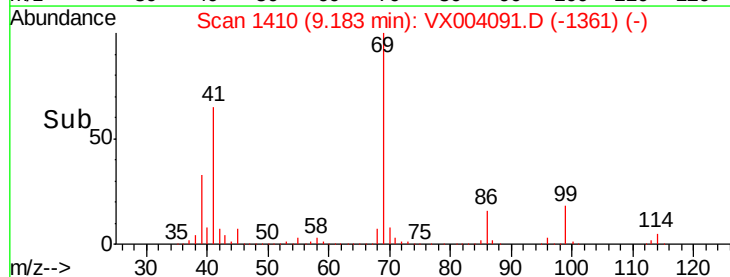
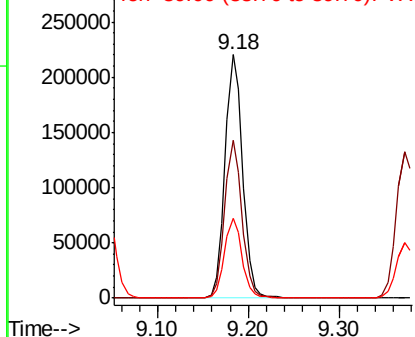


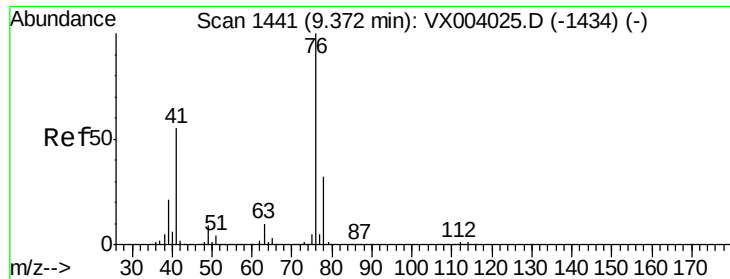
Abundance

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

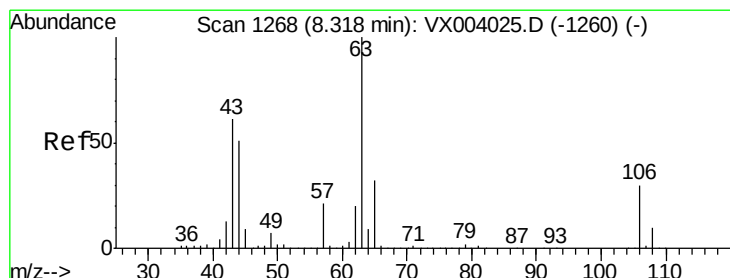
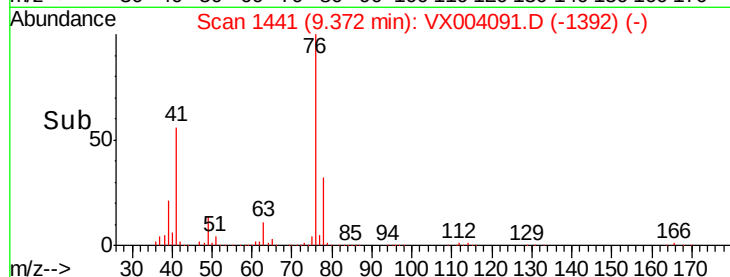
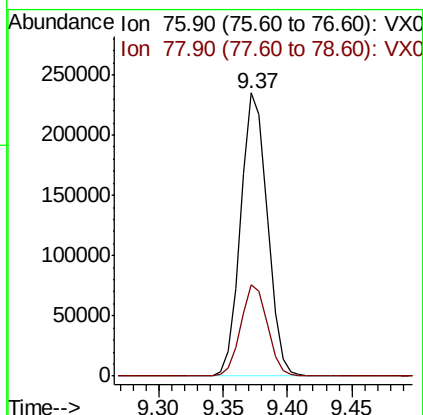
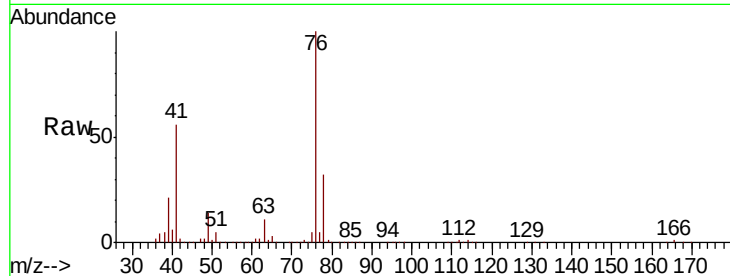




#57
 1,3-Dichloropropane
 Concen: 50.54 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

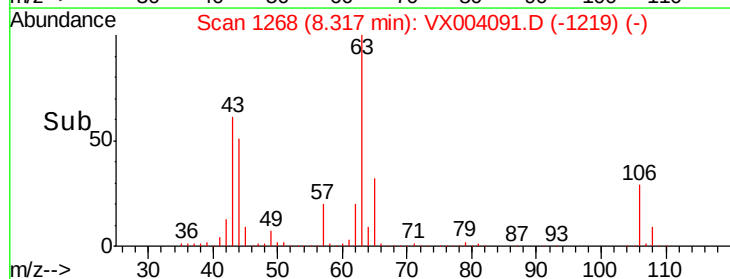
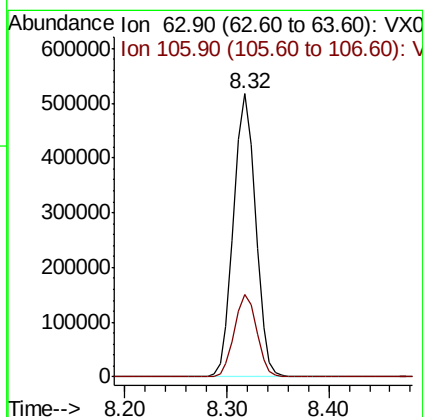
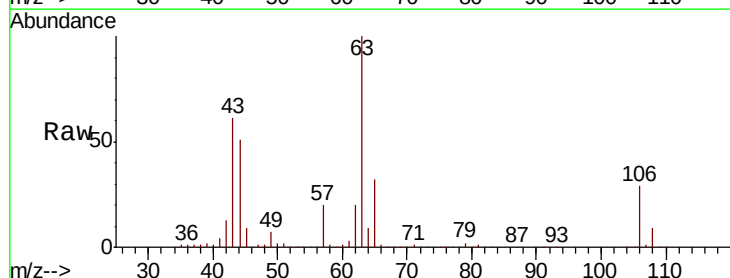
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

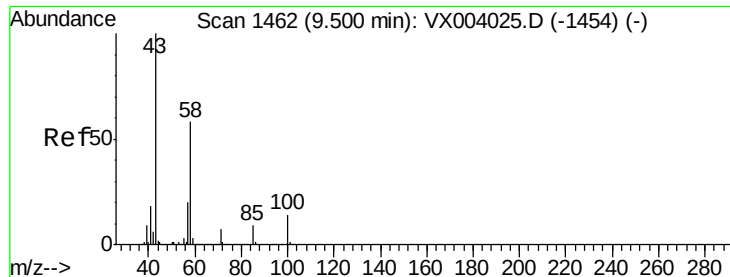
Tot Ion: 76 Resp: 336020
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.65 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion: 63 Resp: 773165
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.8 35.8

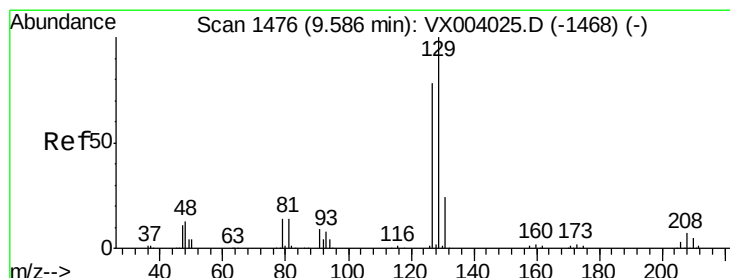
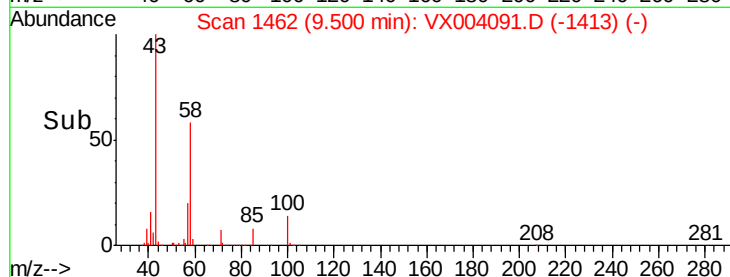
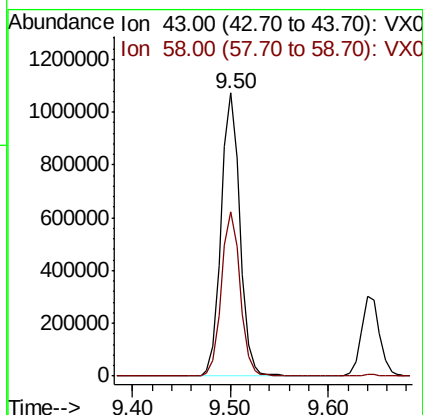
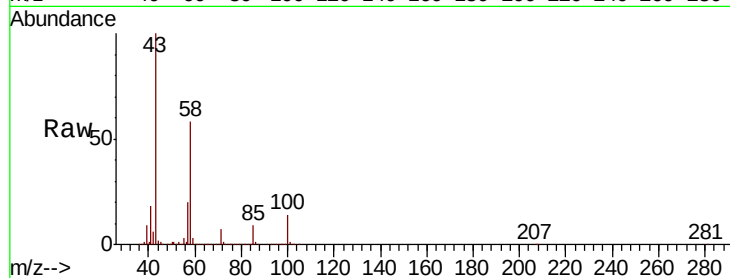




#59
2-Hexanone
Concen: 282.60 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

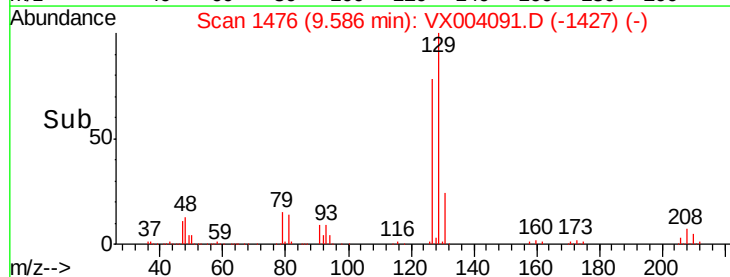
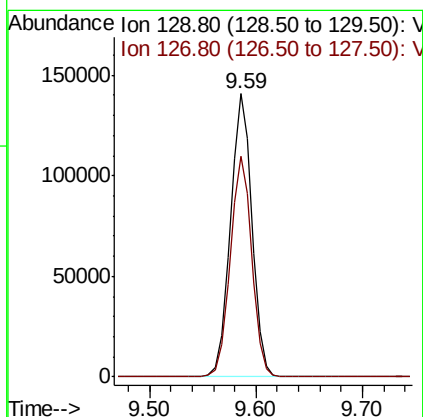
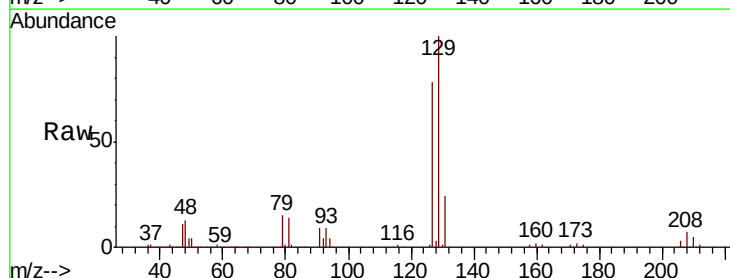
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

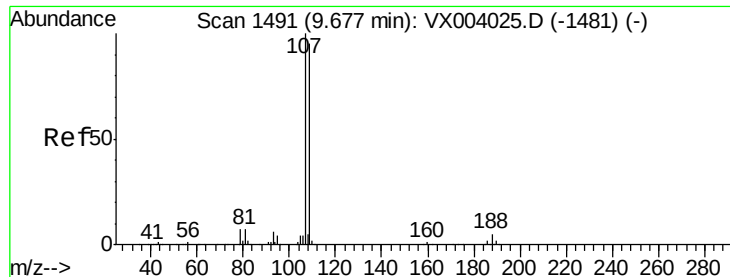
Tot Ion: 43 Resp: 1430340
Ion Ratio Lower Upper
43 100
58 57.9 29.0 87.0



#60
Dibromochloromethane
Concen: 51.62 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion: 129 Resp: 199052
Ion Ratio Lower Upper
129 100
127 77.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 51.35 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

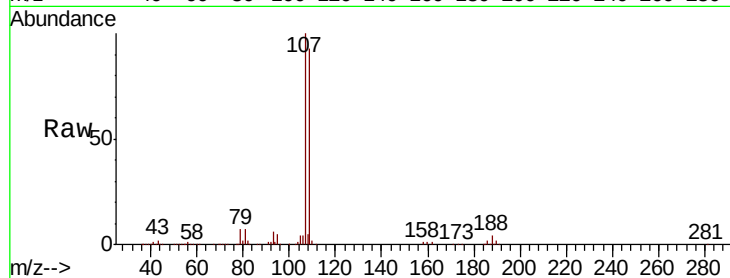
VSTDCCC050EC

Tot Ion:107 Resp: 209745

Ion Ratio Lower Upper

107 100

109 94.1 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

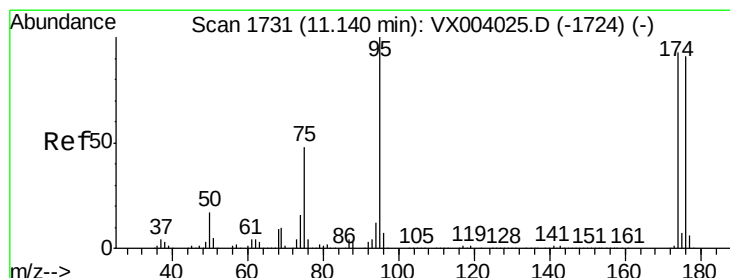
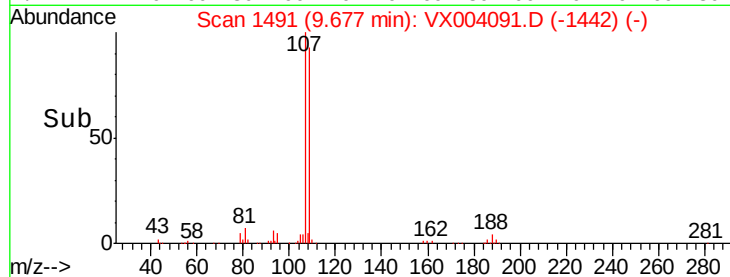
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.29 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

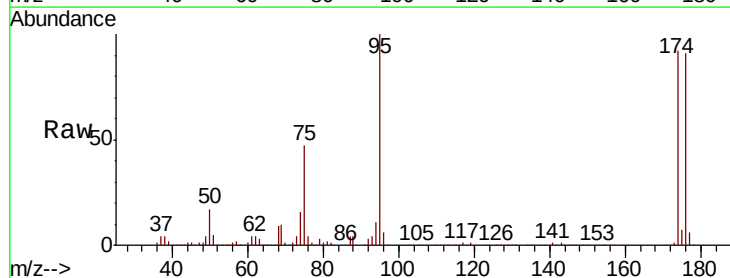
Tgt Ion: 95 Resp: 258436

Ion Ratio Lower Upper

95 100

174 89.5 0.0 182.8

176 88.5 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

250000

200000

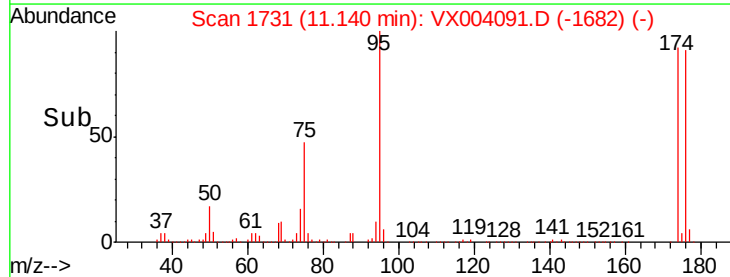
150000

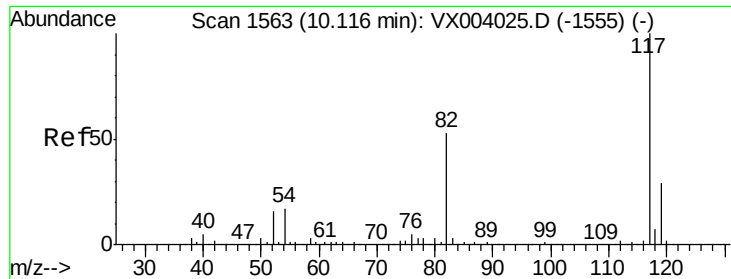
100000

50000

0

Time-->

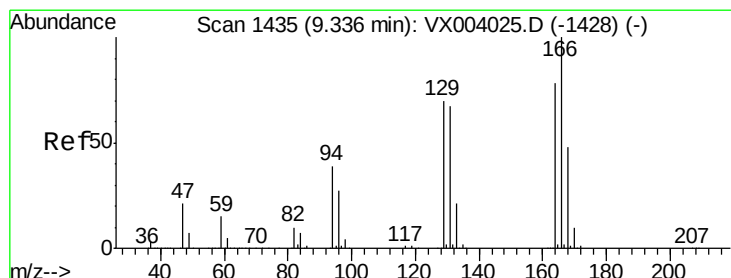
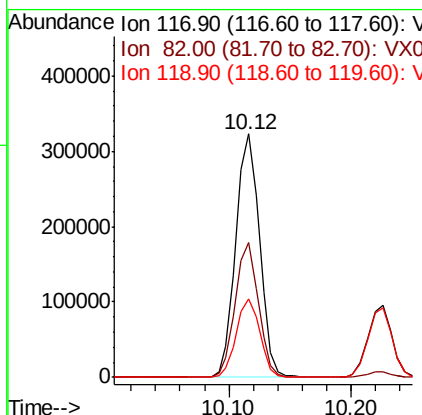
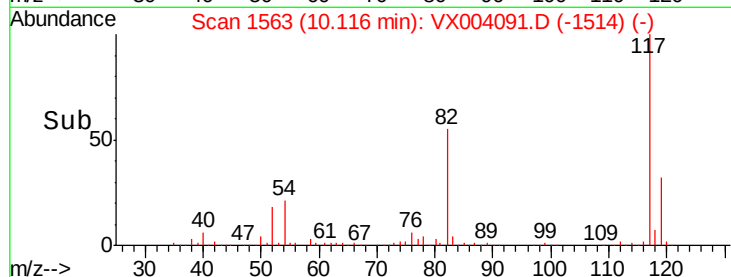
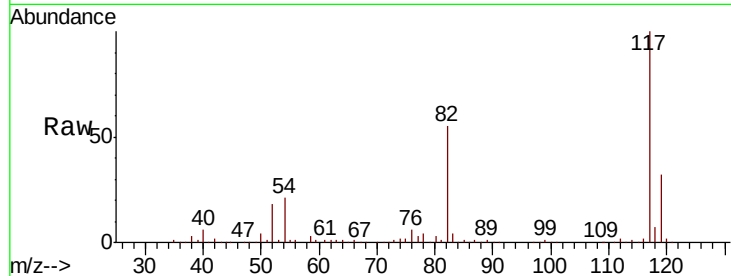




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

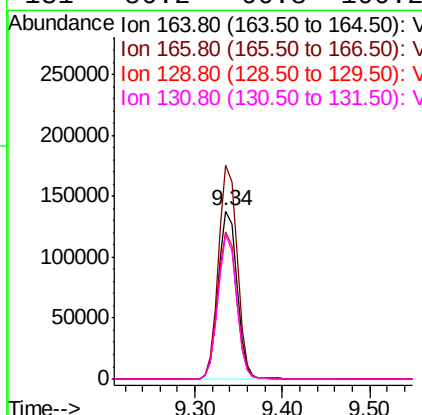
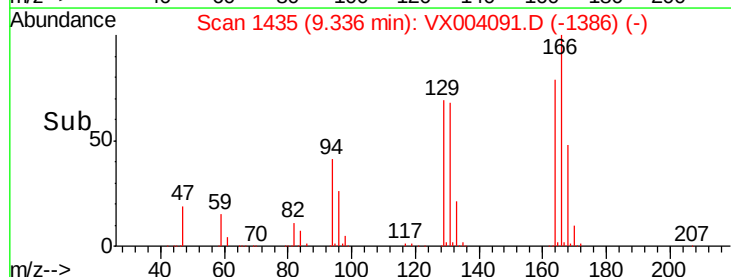
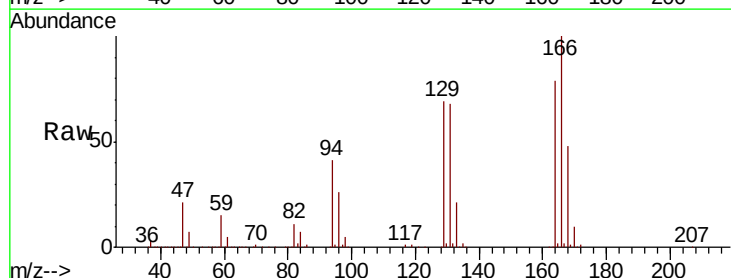
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

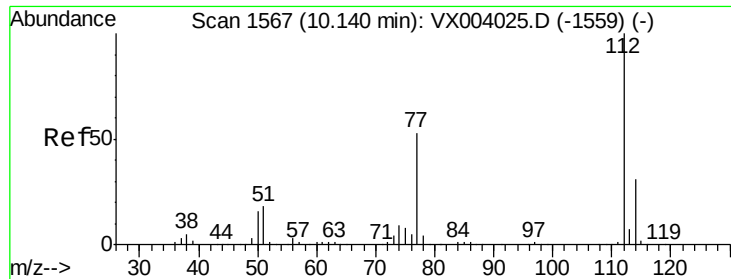
Tot Ion:117 Resp: 434134
Ion Ratio Lower Upper
117 100
82 55.4 45.4 68.0
119 32.3 26.6 40.0



#64
Tetrachloroethene
Concen: 49.38 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion:164 Resp: 203195
Ion Ratio Lower Upper
164 100
166 126.9 98.0 147.0
129 87.6 64.3 96.5
131 86.2 66.8 100.2





#65

Chlorobenzene

Concen: 48.97 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

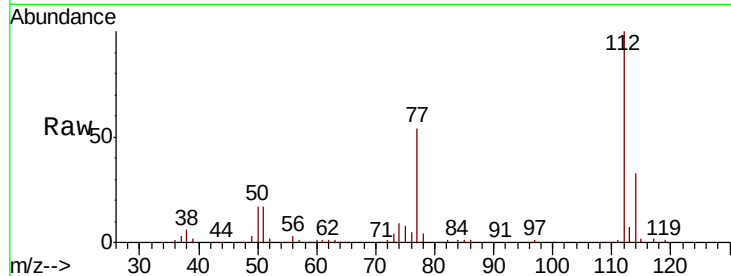
VSTDCCC050EC

Tot Ion:112 Resp: 549193

Ion Ratio Lower Upper

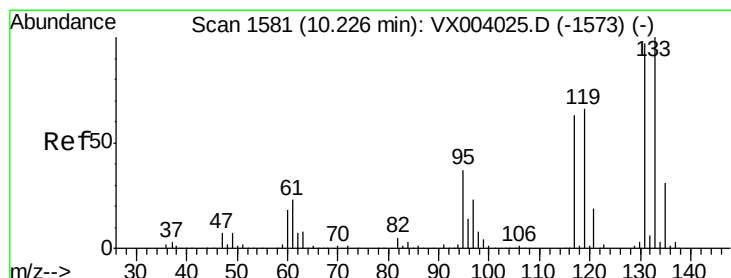
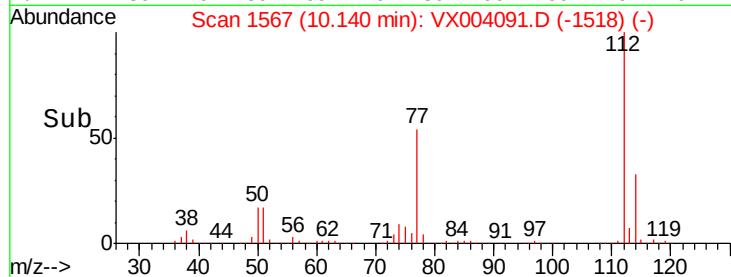
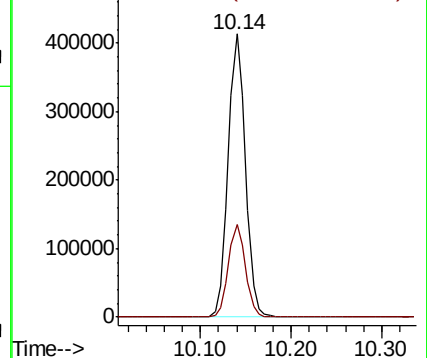
112 100

114 32.6 23.6 35.4



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: 51.07 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

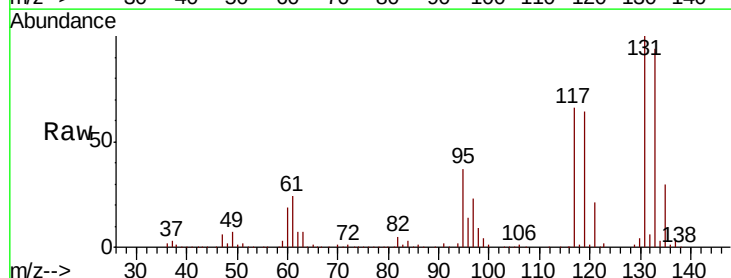
Tgt Ion:131 Resp: 195346

Ion Ratio Lower Upper

131 100

133 96.0 47.3 141.8

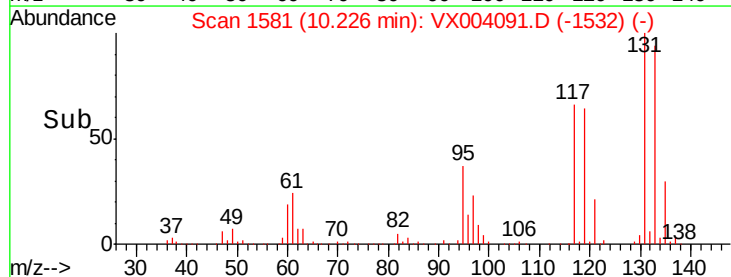
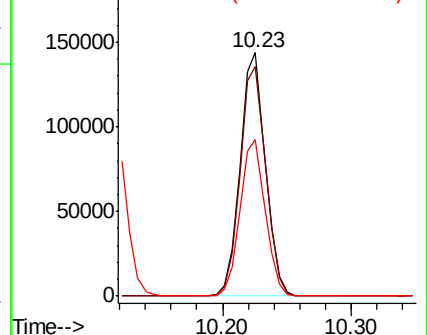
119 64.7 31.6 94.8

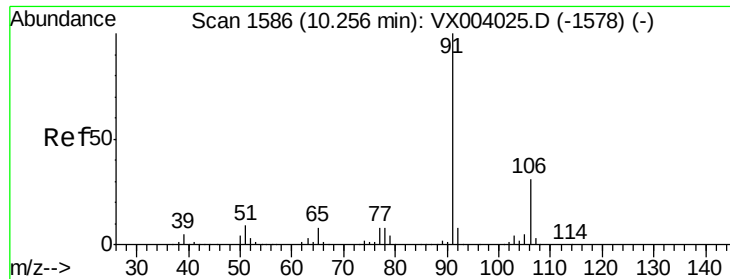


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

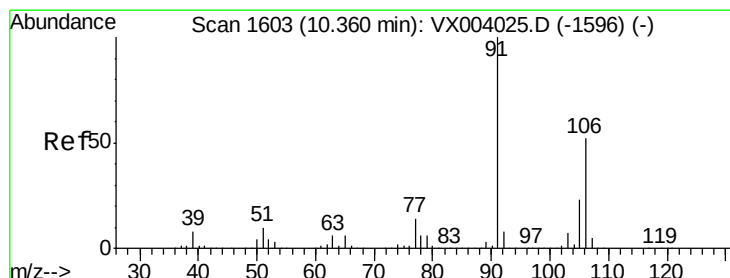
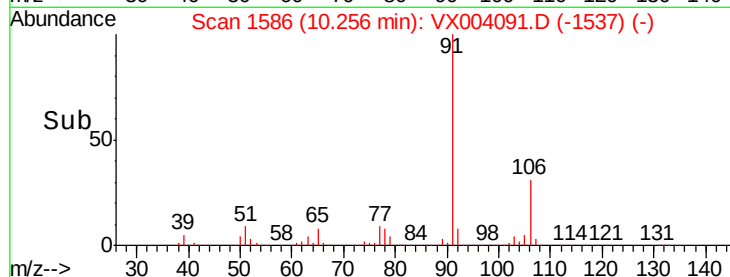
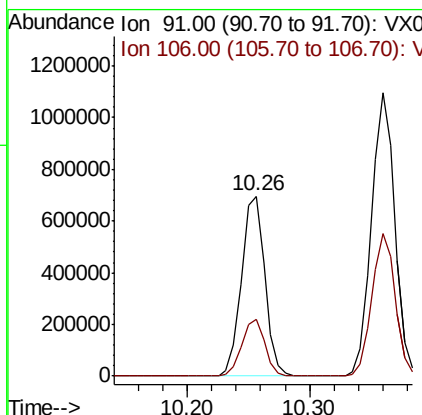
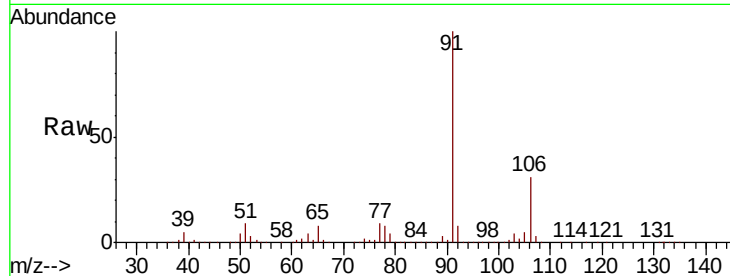




#67
Ethyl Benzene
Concen: 51.91 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

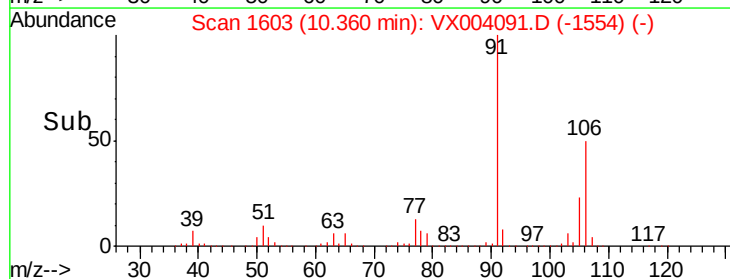
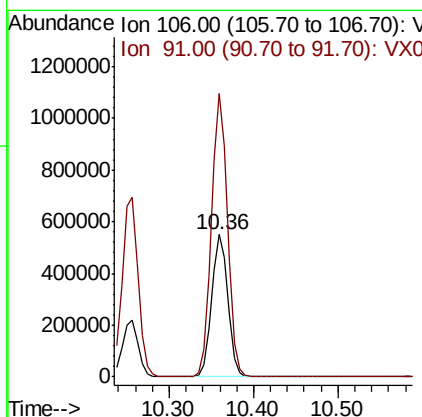
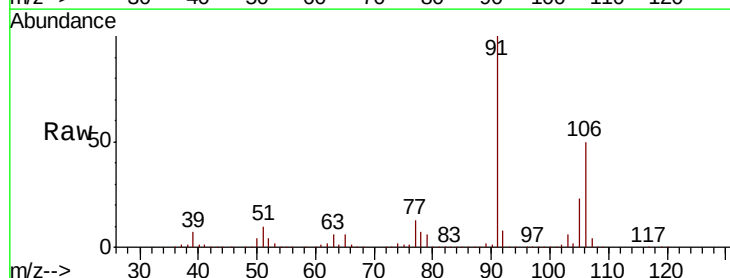
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

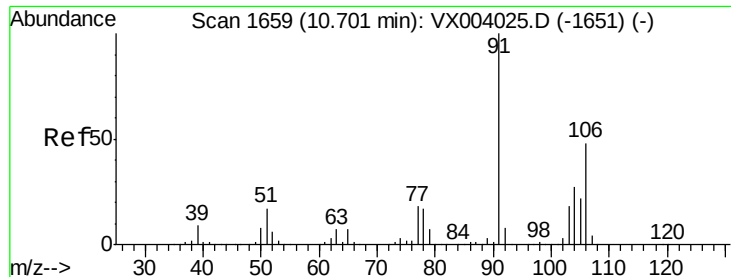
Tot Ion: 91 Resp: 921798
Ion Ratio Lower Upper
91 100
106 31.4 25.9 38.9



#68
m/p-Xylenes
Concen: 105.44 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion: 106 Resp: 733222
Ion Ratio Lower Upper
106 100
91 198.4 162.3 243.5

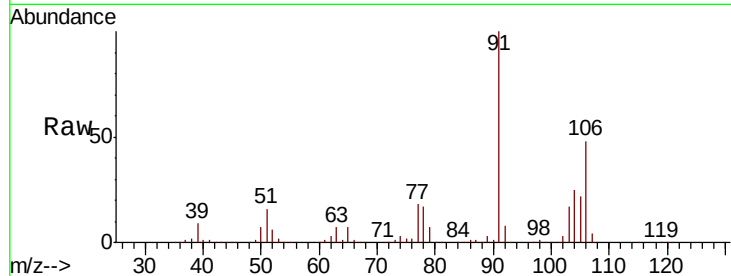




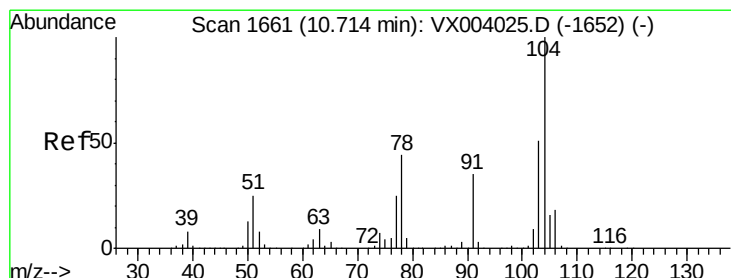
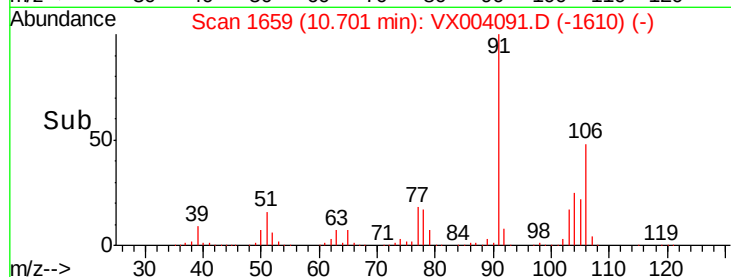
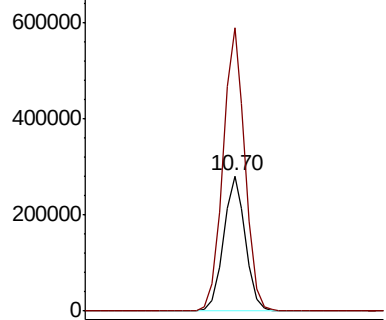
#69
o-Xylene
Concen: 52.61 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 349596
Ion Ratio Lower Upper
106 100
91 210.5 101.9 305.7

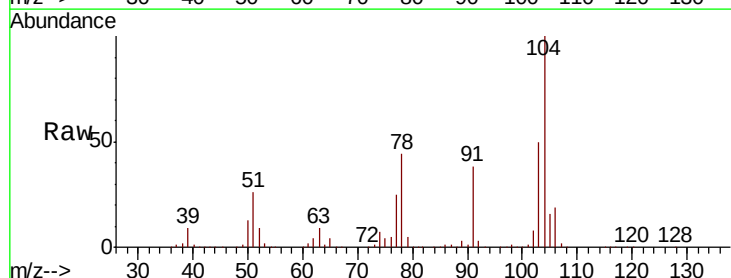


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

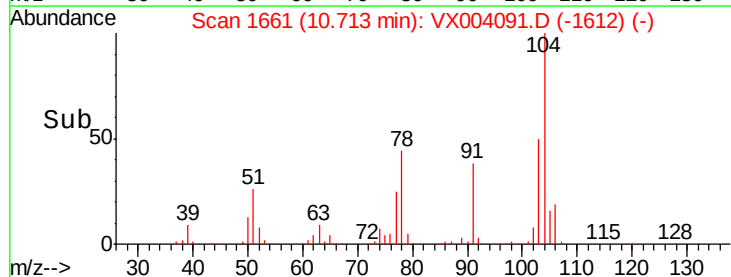
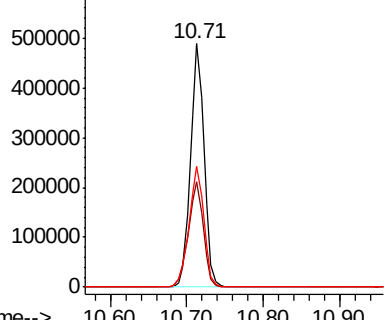


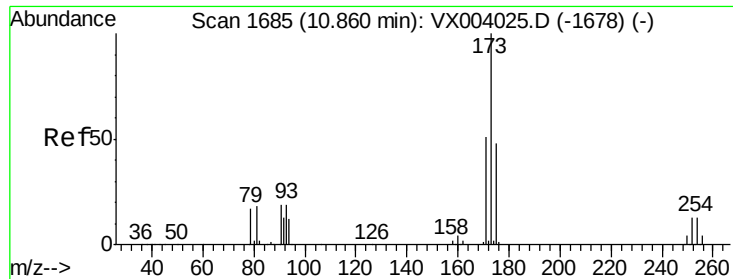
#70
Styrene
Concen: 53.68 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004091.D
Acq: 15 Aug 2018 23:34

Tgt Ion:104 Resp: 600415
Ion Ratio Lower Upper
104 100
78 47.9 39.8 59.6
103 54.3 44.3 66.5



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





#71

Bromoform

Concen: 51.41 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

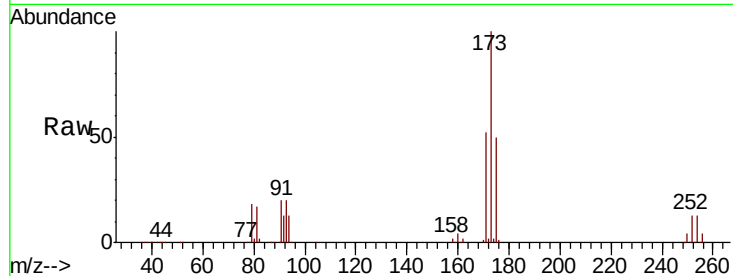
Tot Ion:173 Resp: 155927

Ion Ratio Lower Upper

173 100

175 49.6 24.9 74.7

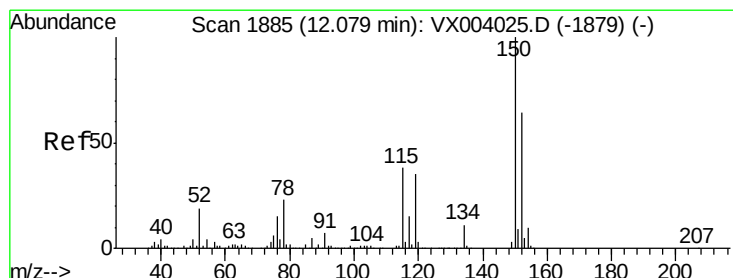
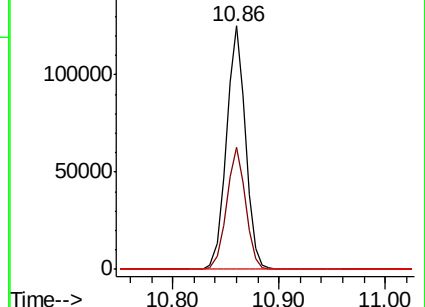
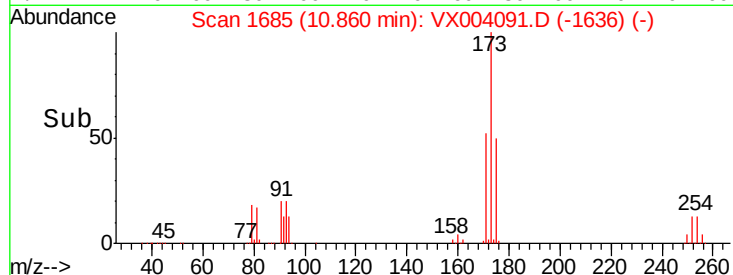
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

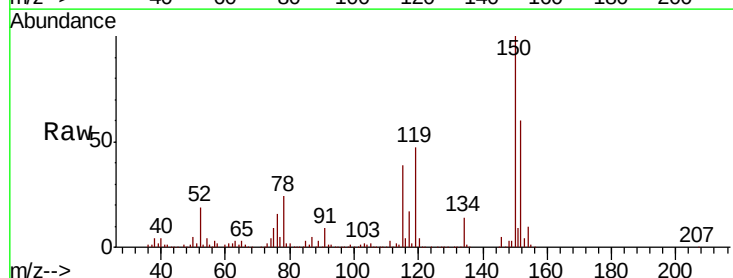
Tgt Ion:152 Resp: 262471

Ion Ratio Lower Upper

152 100

115 78.9 39.1 117.3

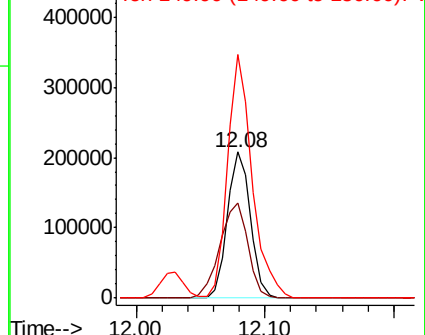
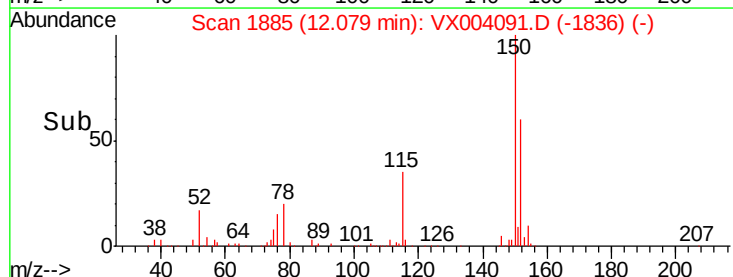
150 176.9 0.0 349.2

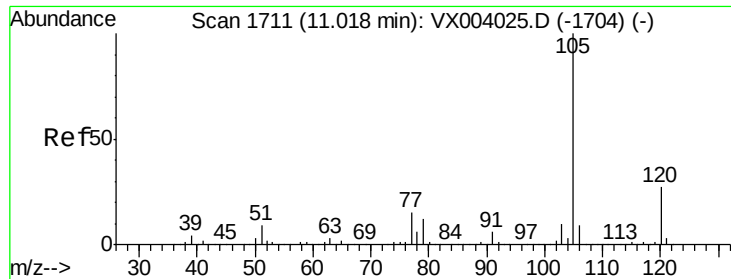


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.14 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

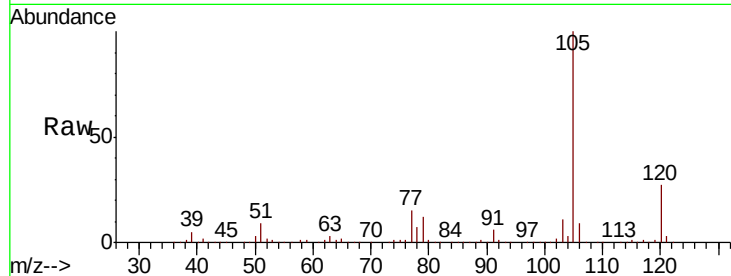
VSTDCCC050EC

Tot Ion:105 Resp: 943954

Ion Ratio Lower Upper

105 100

120 26.7 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

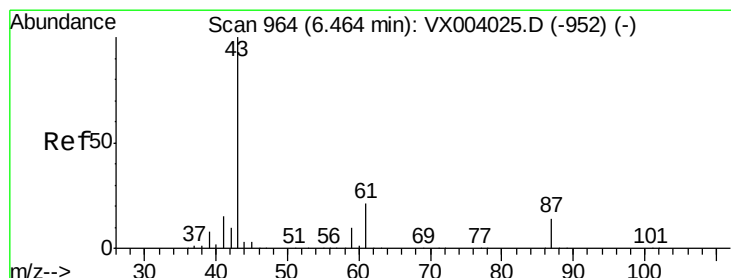
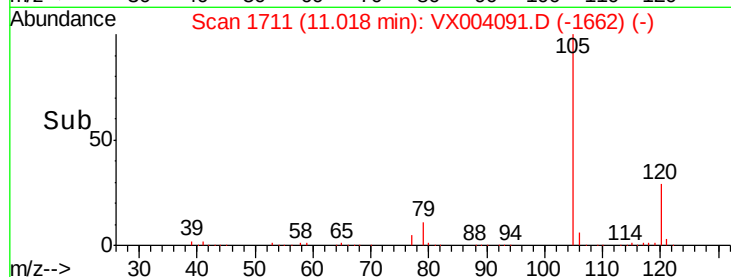
0

11.02

11.00

10.90

Time-->



#74

N-ethyl acetate

Concen: 50.62 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Tgt Ion: 43 Resp: 422912

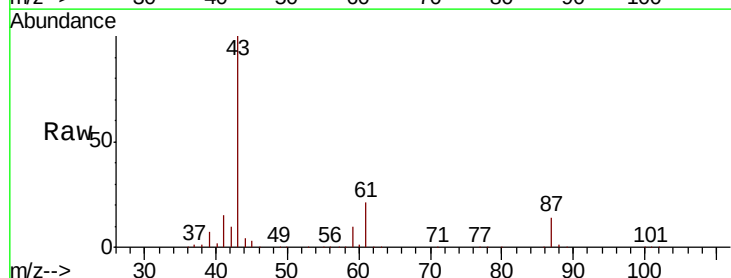
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

61 20.9 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

250000

200000

150000

100000

50000

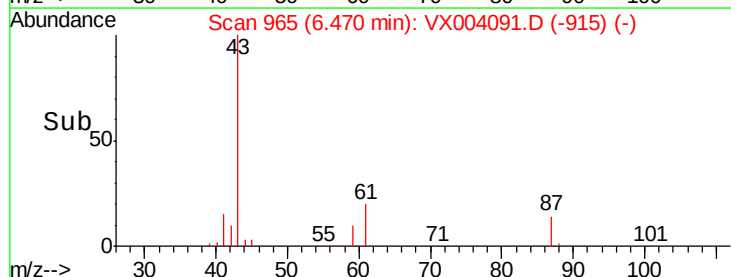
0

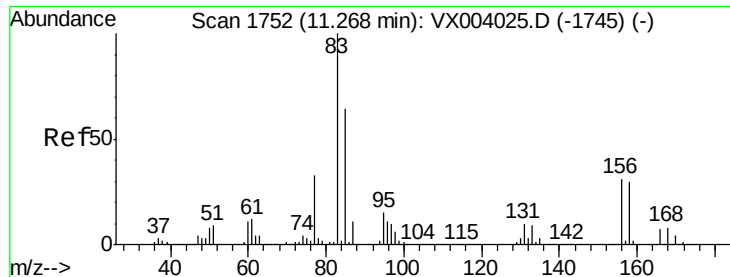
6.47

6.40

6.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.21 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

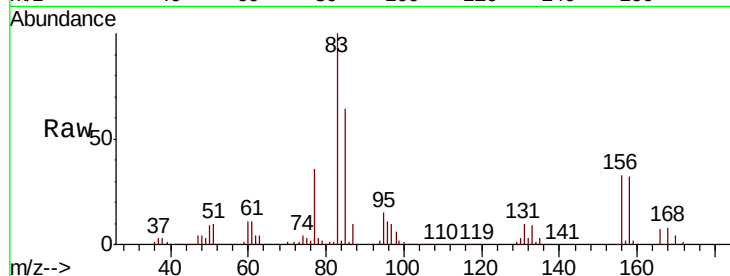
Tot Ion: 83 Resp: 317619

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

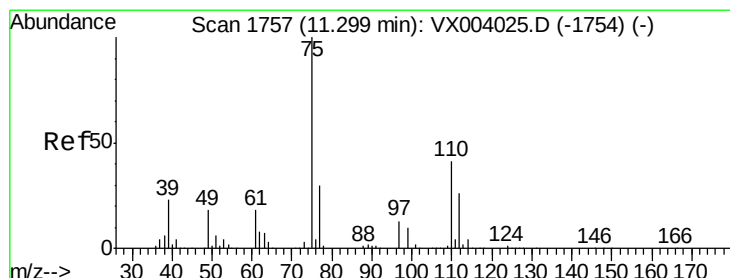
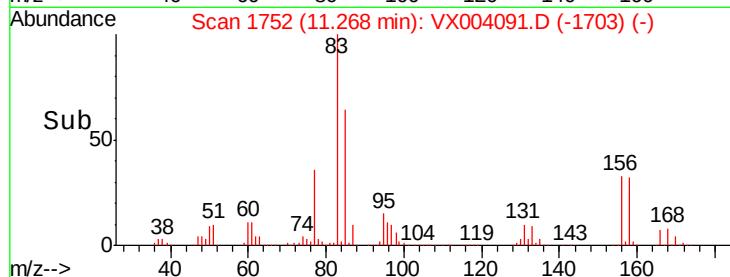
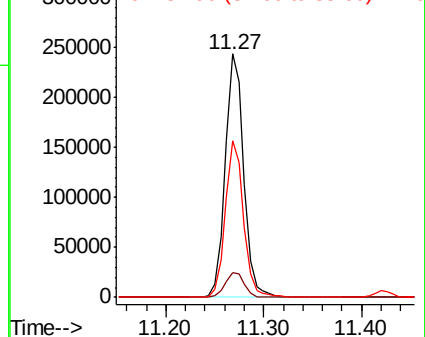
85 63.4 32.2 96.6



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: 68.05 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004091.D

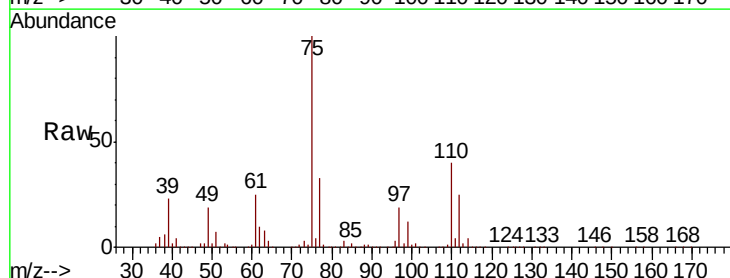
Acq: 15 Aug 2018 23:34

Tgt Ion: 75 Resp: 358200

Ion Ratio Lower Upper

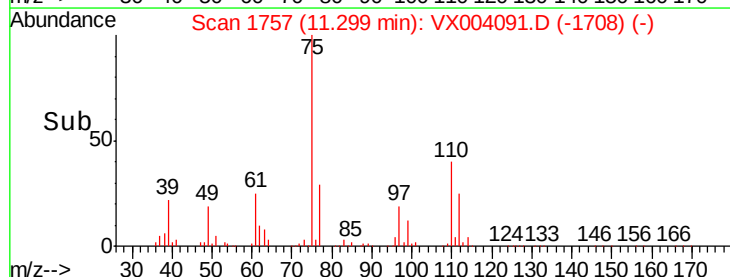
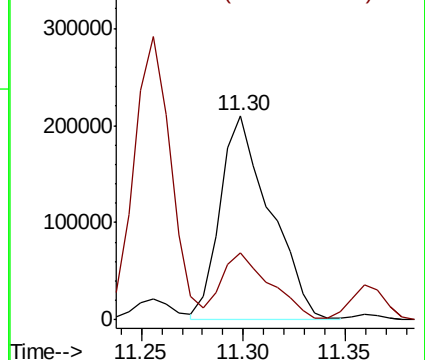
75 100

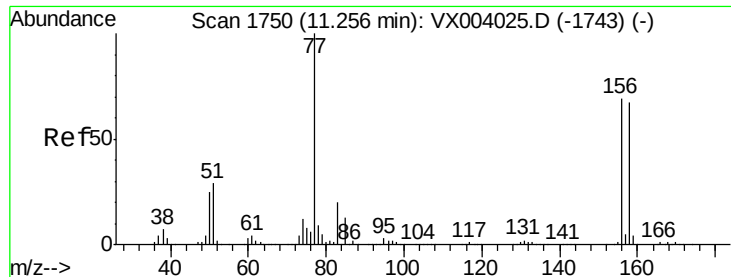
77 32.0 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.36 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

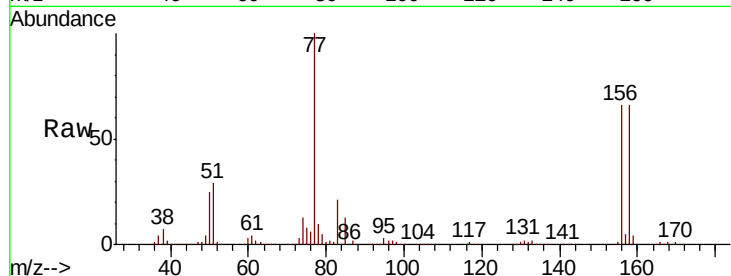
Tot Ion:156 Resp: 246596

Ion Ratio Lower Upper

156 100

77 149.3 74.1 222.2

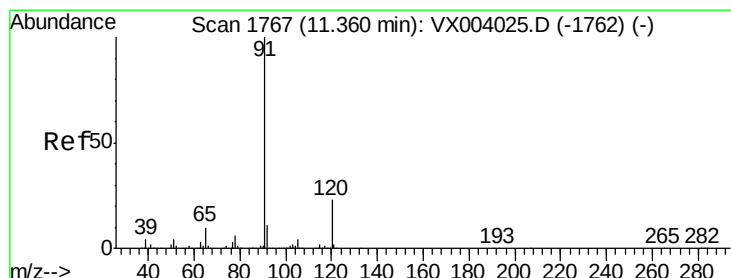
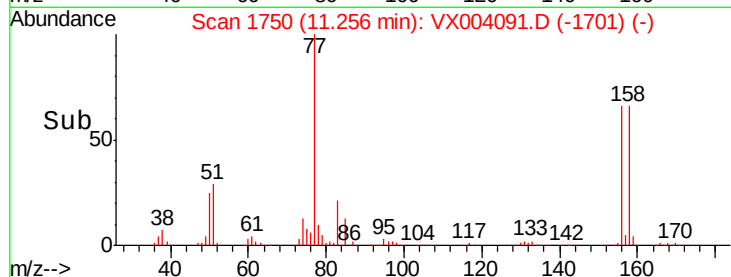
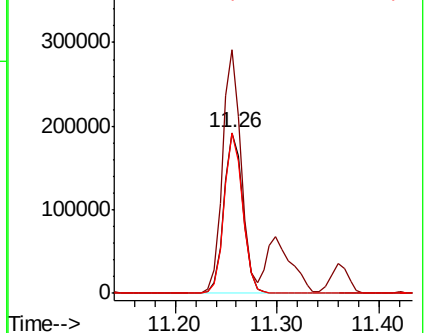
158 98.0 48.6 145.9



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: 54.25 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004091.D

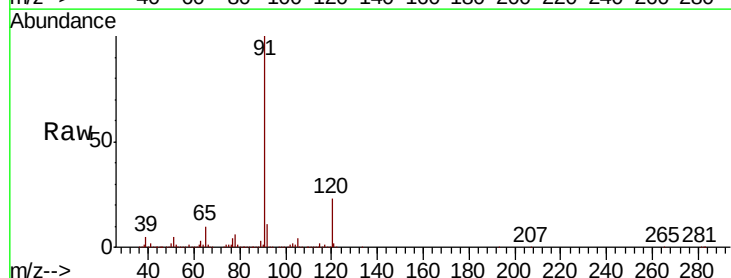
Acq: 15 Aug 2018 23:34

Tgt Ion: 91 Resp: 1078415

Ion Ratio Lower Upper

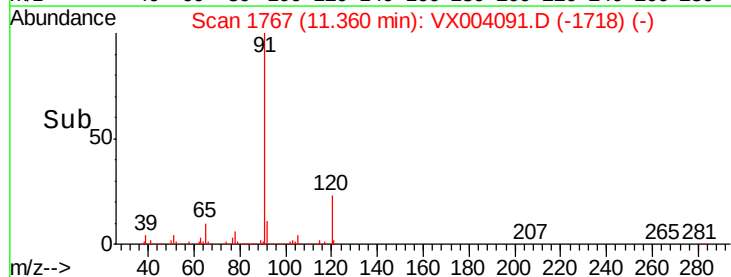
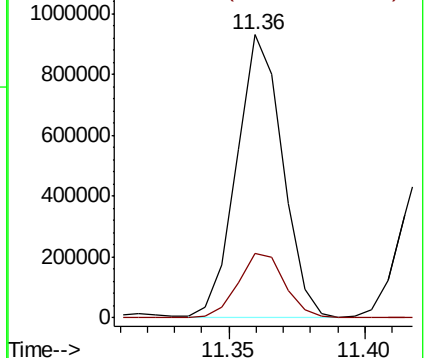
91 100

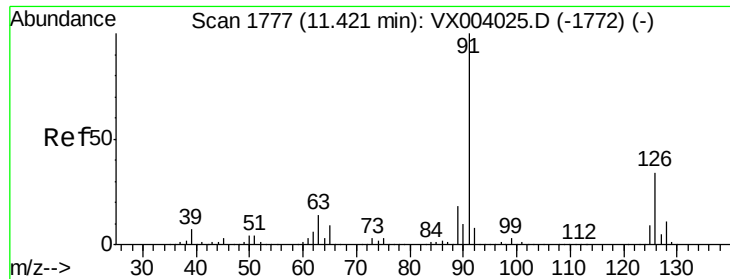
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

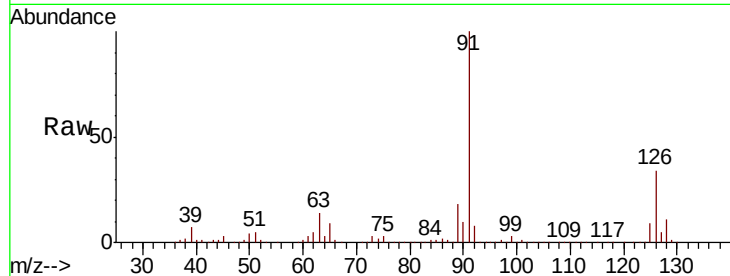




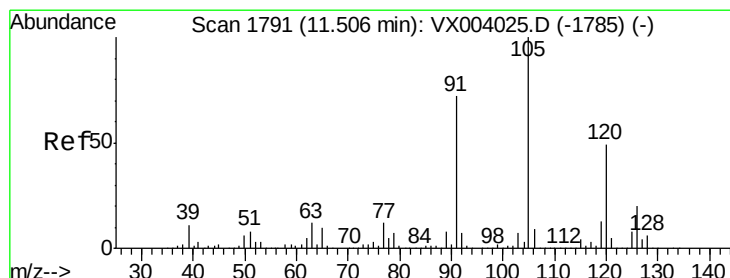
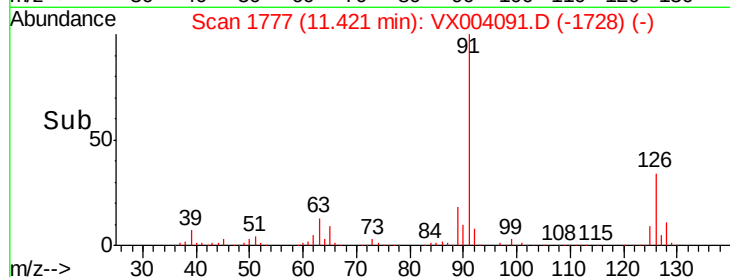
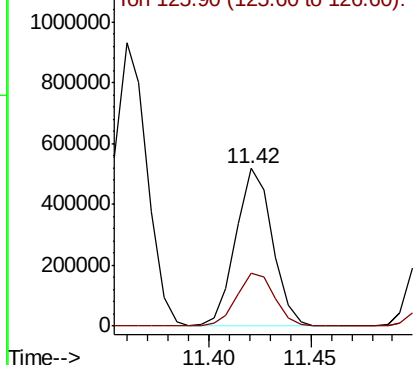
#79
 2-Chlorotoluene
 Concen: 53.02 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 642284
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.4 52.3

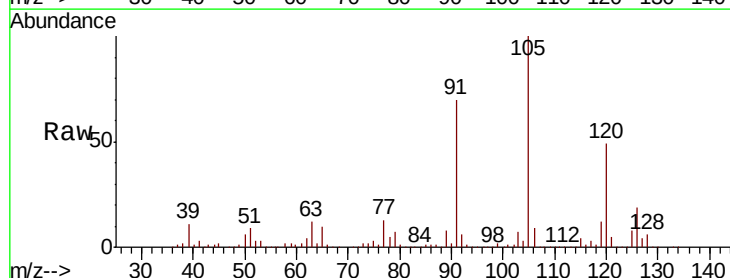


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

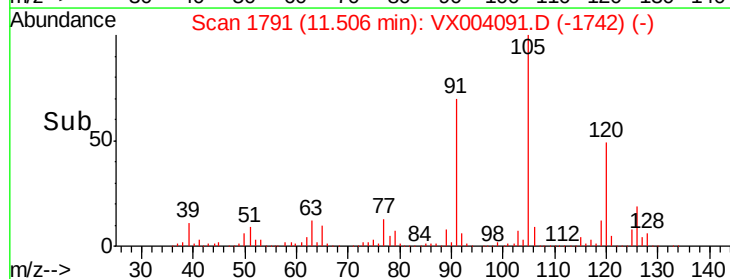
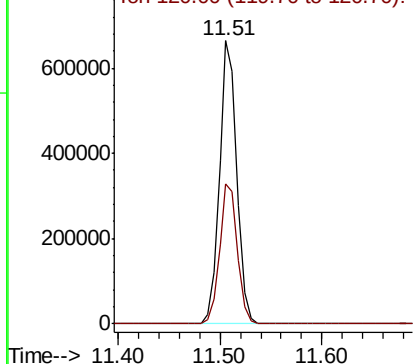


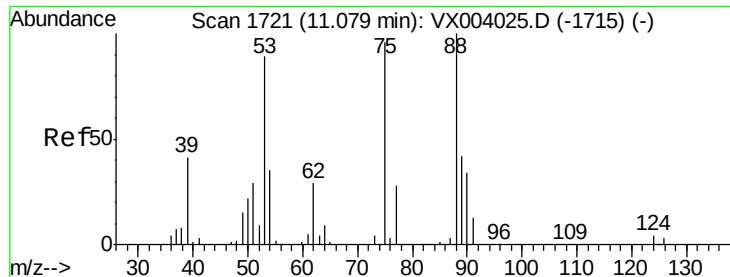
#80
 1,3,5-Trimethylbenzene
 Concen: 54.20 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion: 105 Resp: 788263
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.4 76.2



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: 49.19 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

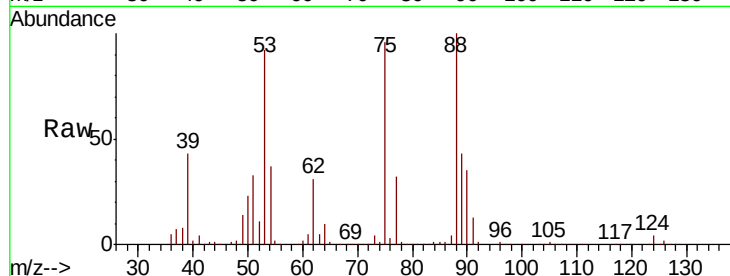
Tot Ion: 75 Resp: 83640

Ion Ratio Lower Upper

75 100

53 100.8 80.3 120.5

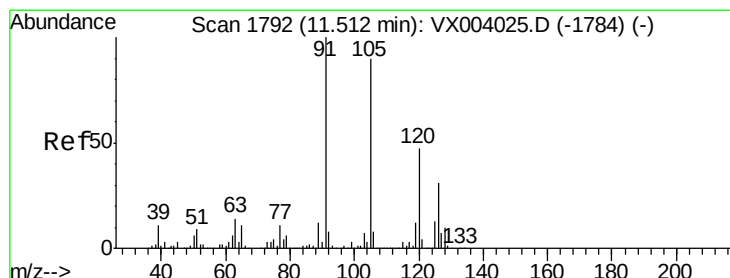
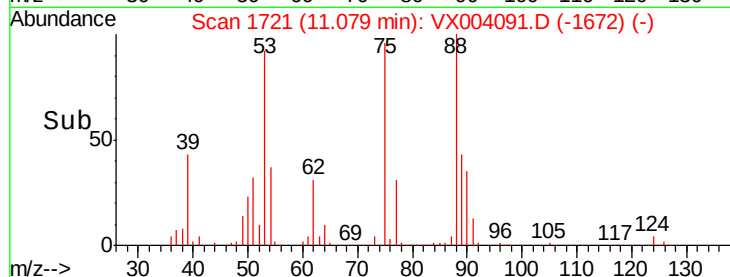
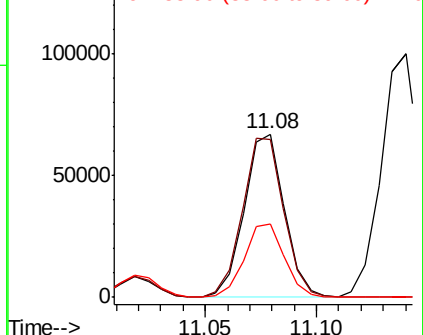
89 45.5 37.8 56.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 52.77 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004091.D

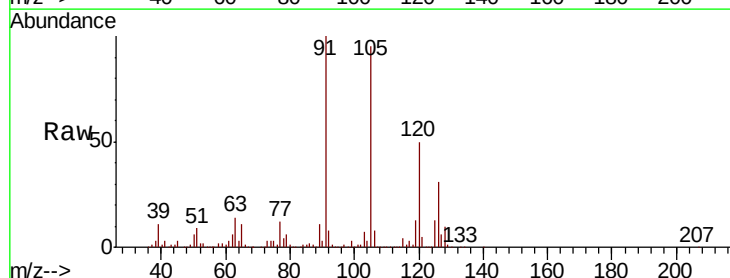
Acq: 15 Aug 2018 23:34

Tgt Ion: 91 Resp: 755619

Ion Ratio Lower Upper

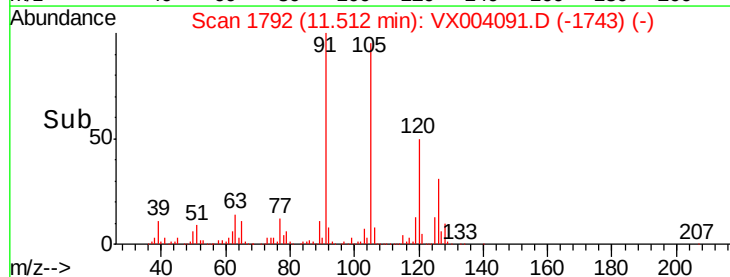
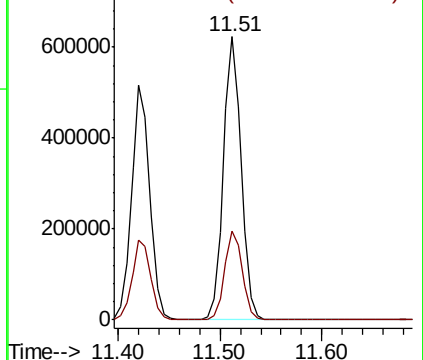
91 100

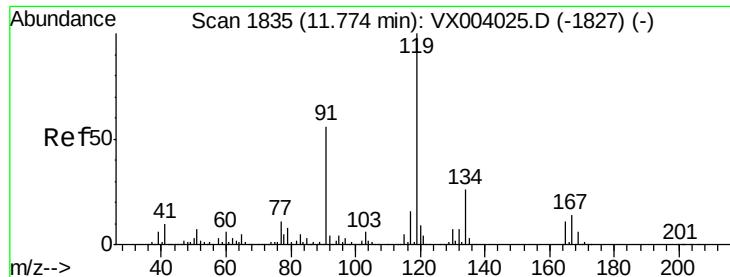
126 31.1 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

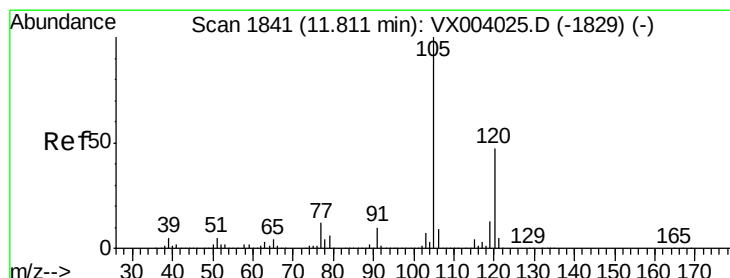
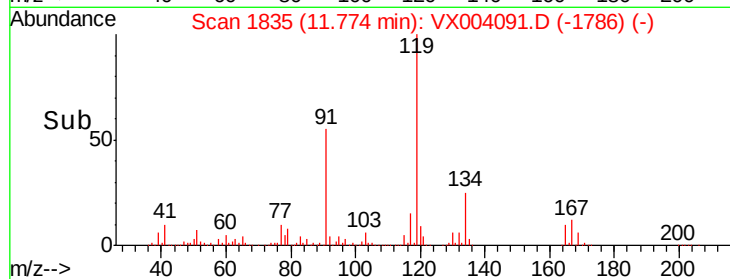
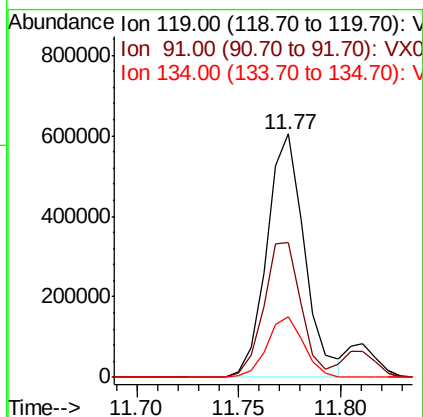
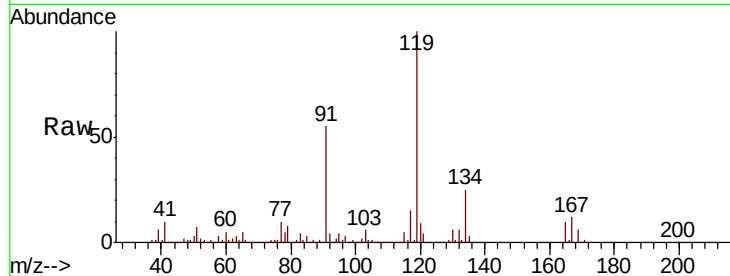




#83
 tert-Butylbenzene
 Concen: 53.06 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

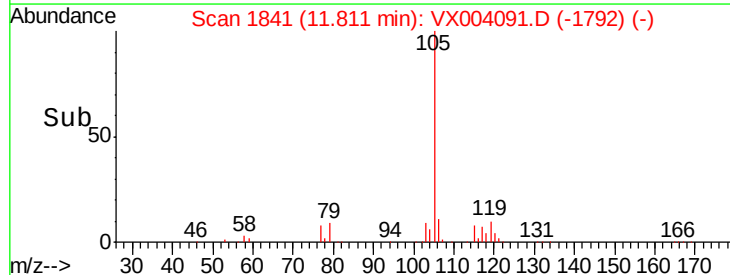
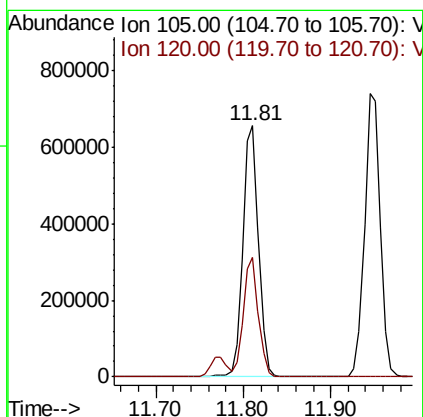
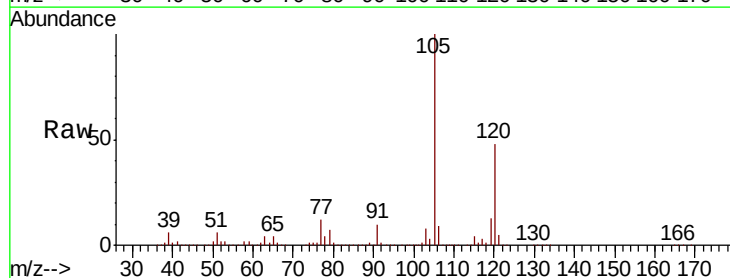
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

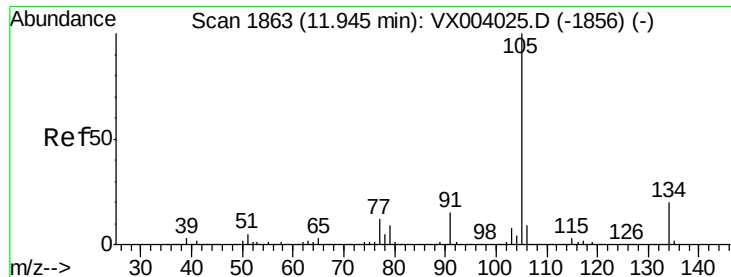
Tot Ion:119 Resp: 778087
 Ion Ratio Lower Upper
 119 100
 91 54.5 26.9 80.7
 134 24.1 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 54.24 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion:105 Resp: 817042
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.1 69.2

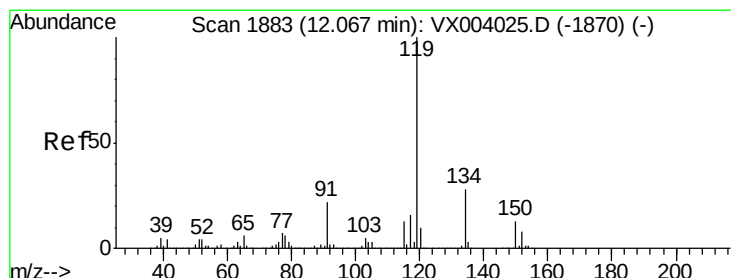
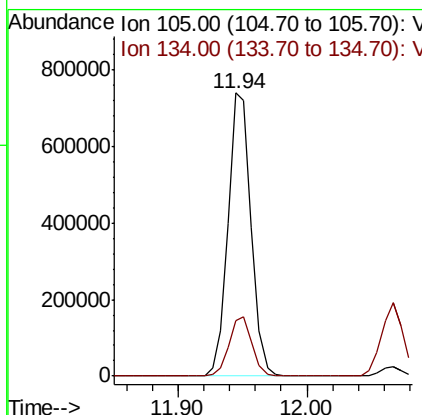
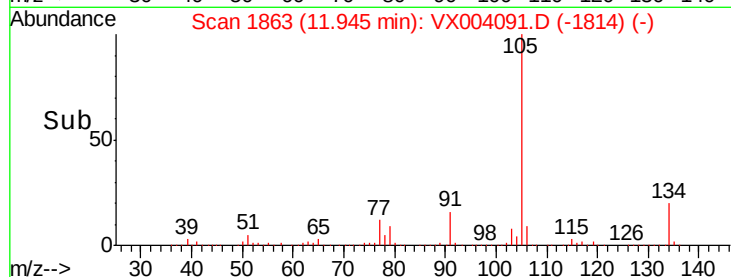
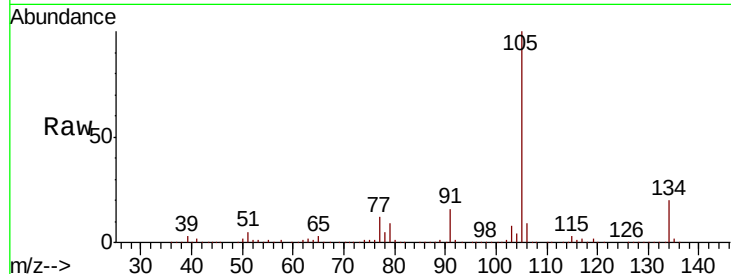




#85
 sec-Butylbenzene
 Concen: 54.05 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

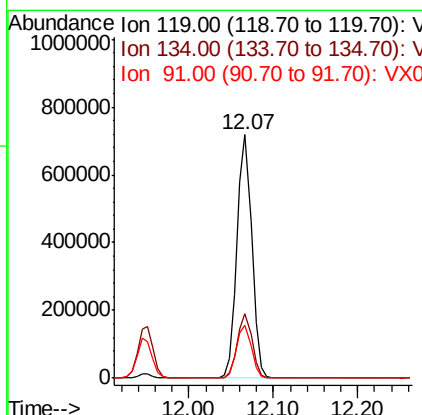
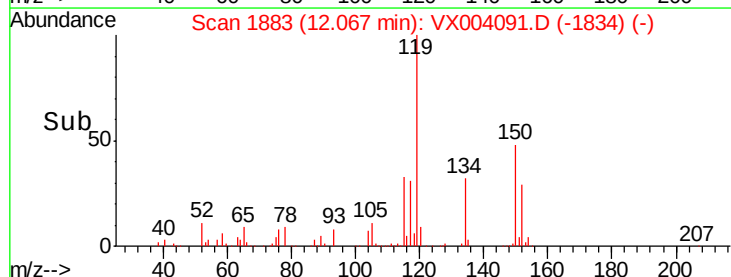
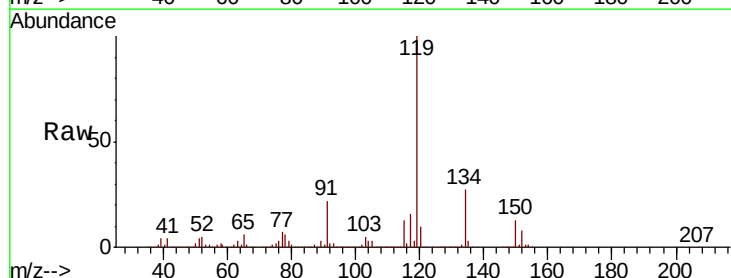
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

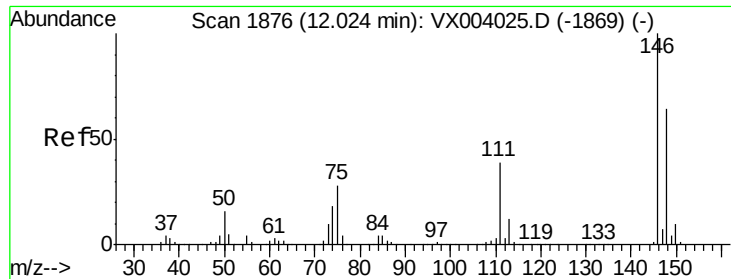
Tot Ion:105 Resp: 927567
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 53.70 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion:119 Resp: 834327
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.8
 91 22.1 10.9 32.7

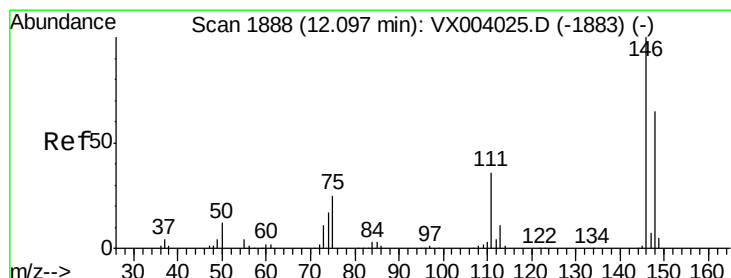
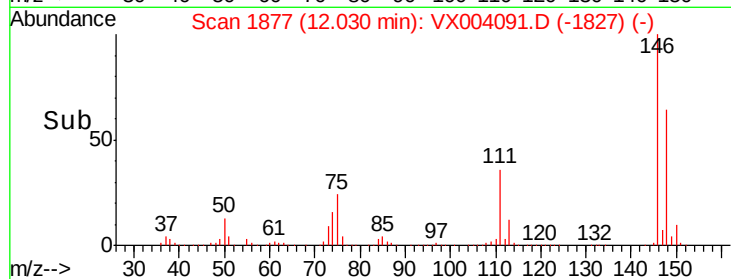
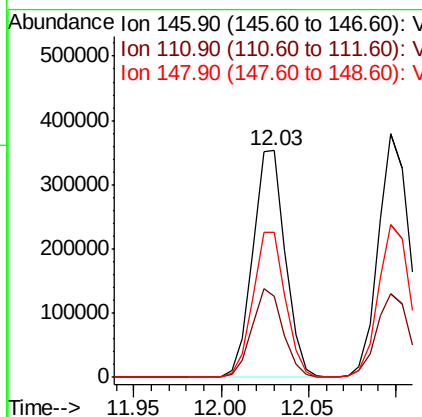
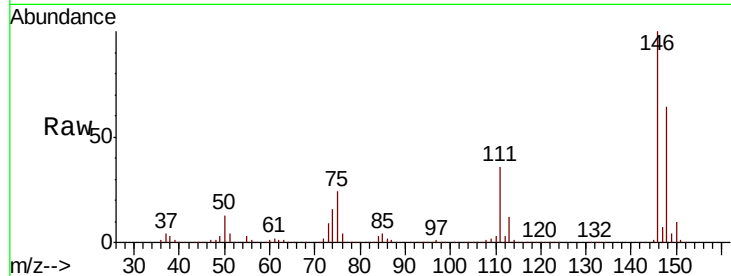




#87
 1,3-Dichlorobenzene
 Concen: 49.02 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

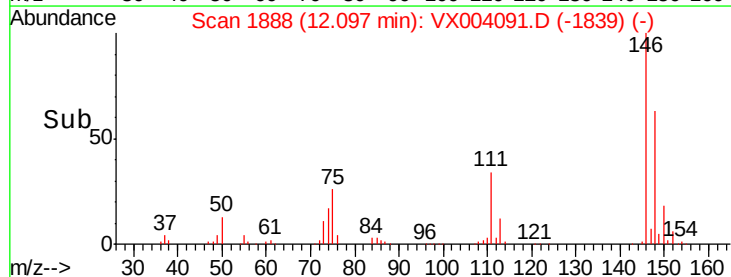
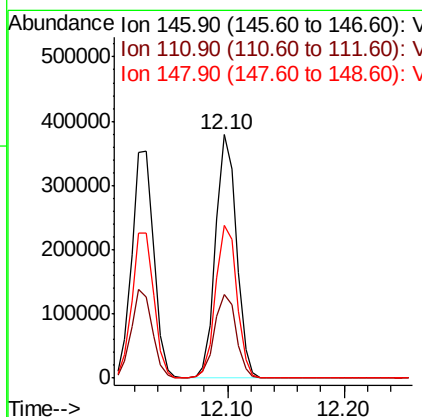
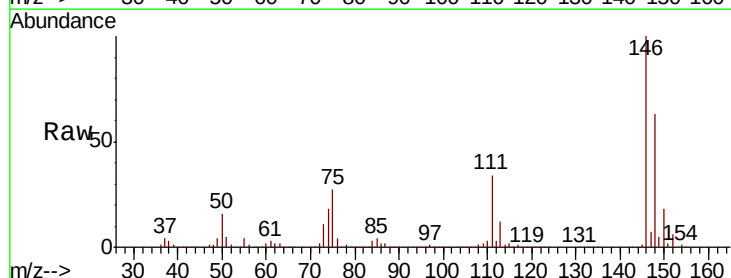
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

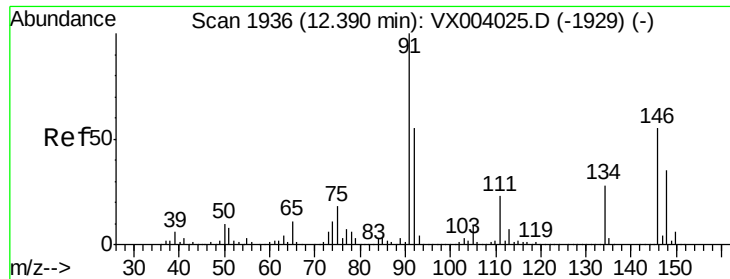
Tot Ion:146 Resp: 457777
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.8 56.4
 148 63.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 48.33 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion:146 Resp: 464531
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.4 55.0
 148 64.1 32.3 96.8





#89

n-Butylbenzene

Concen: 51.74 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

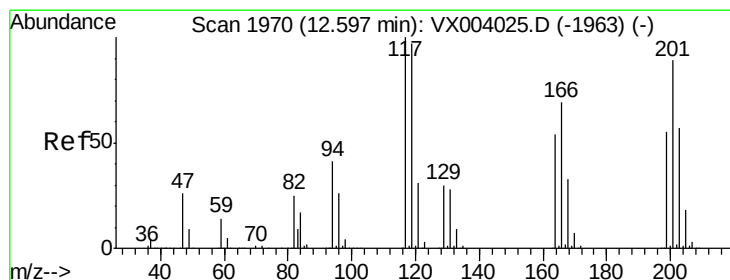
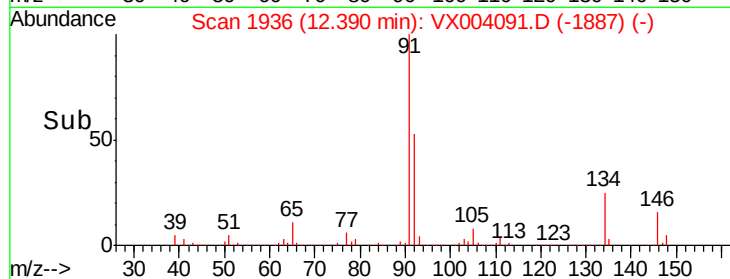
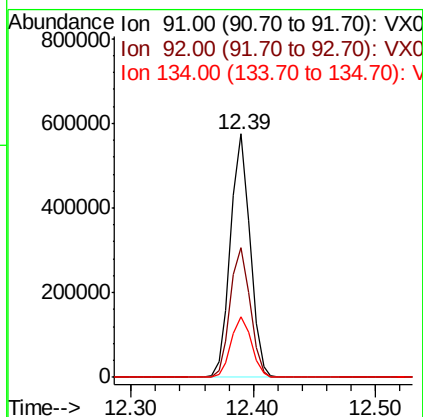
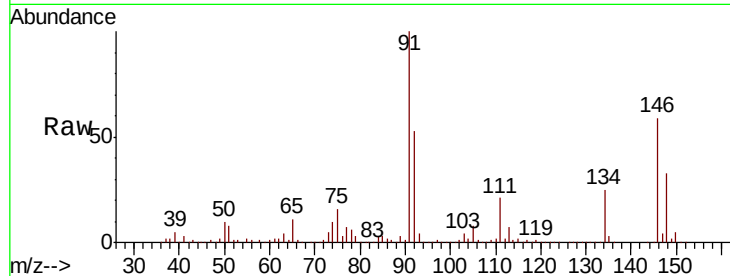
Tot Ion: 91 Resp: 633424

Ion Ratio Lower Upper

91 100

92 54.4 27.1 81.3

134 26.2 13.6 40.7



#90

Hexachloroethane

Concen: 52.51 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX004091.D

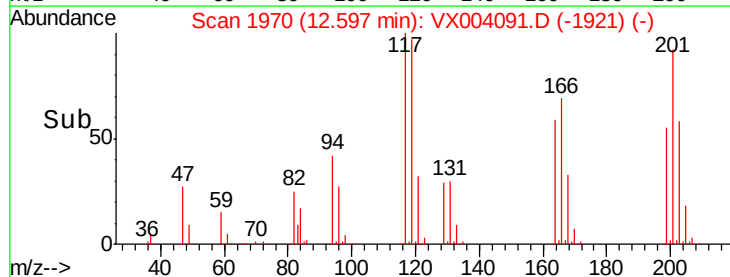
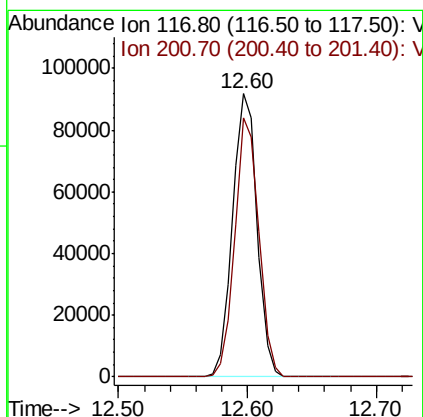
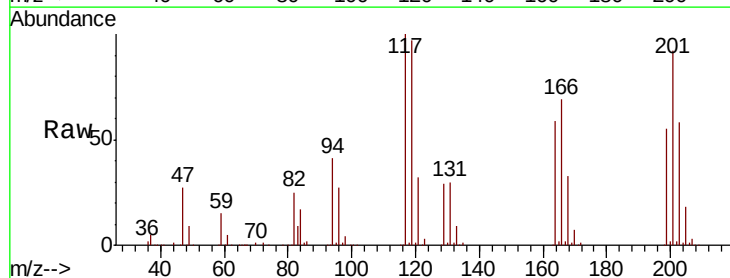
Acq: 15 Aug 2018 23:34

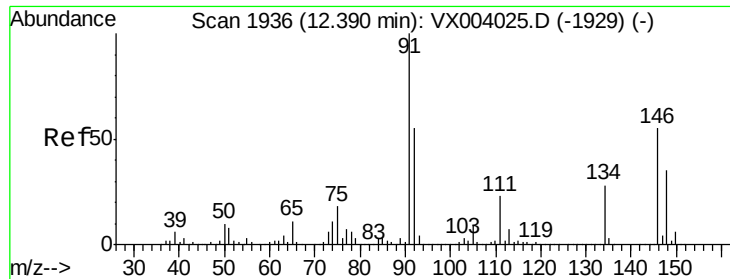
Tgt Ion: 117 Resp: 122077

Ion Ratio Lower Upper

117 100

201 89.4 46.1 138.2

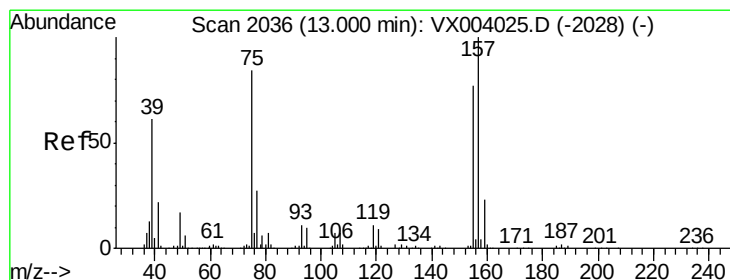
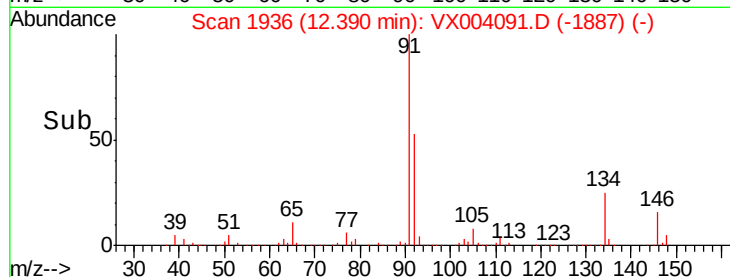
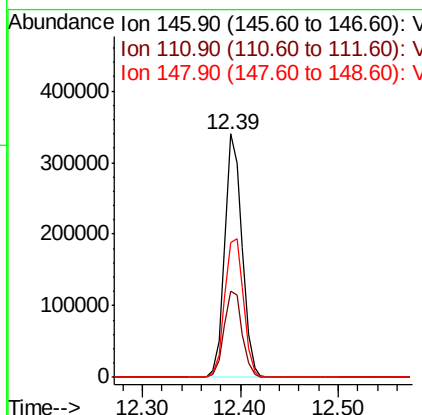
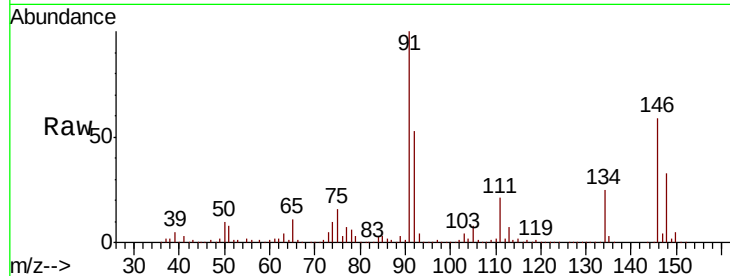




#91
 1,2-Dichlorobenzene
 Concen: 49.30 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

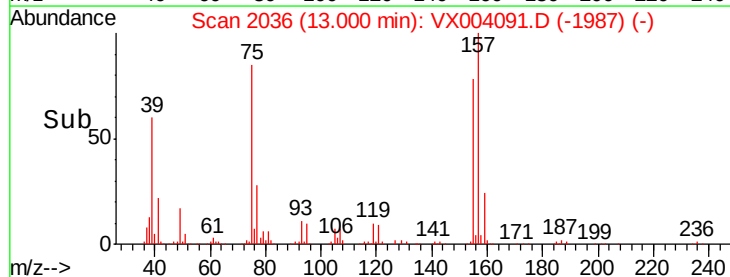
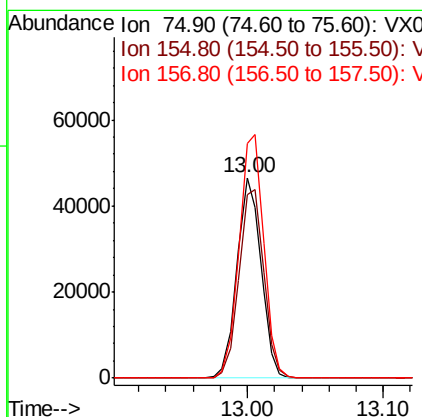
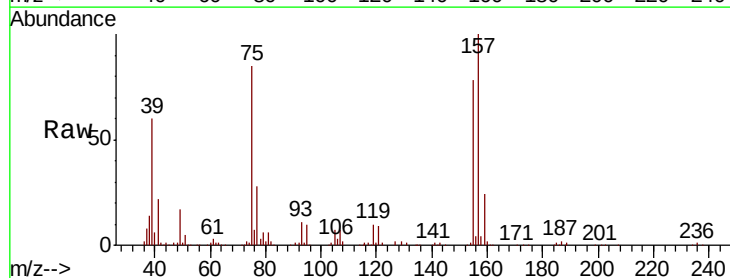
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

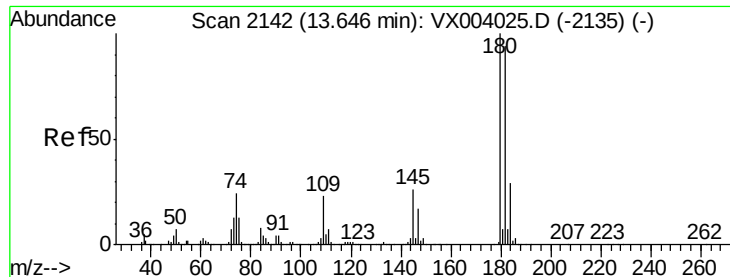
Tot Ion:146 Resp: 415245
 Ion Ratio Lower Upper
 146 100
 111 37.1 19.7 59.0
 148 62.2 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.69 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion: 75 Resp: 57441
 Ion Ratio Lower Upper
 75 100
 155 96.9 48.7 146.1
 157 123.9 62.6 187.8

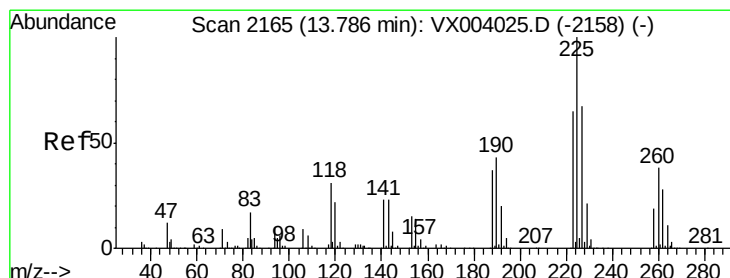
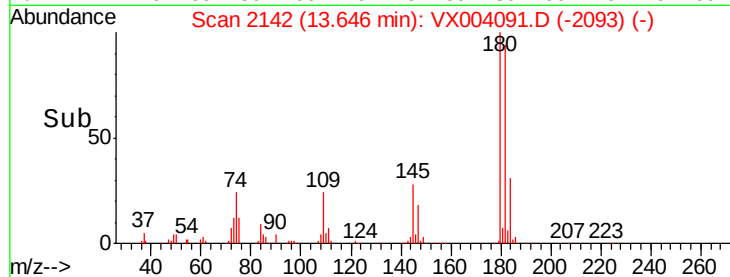
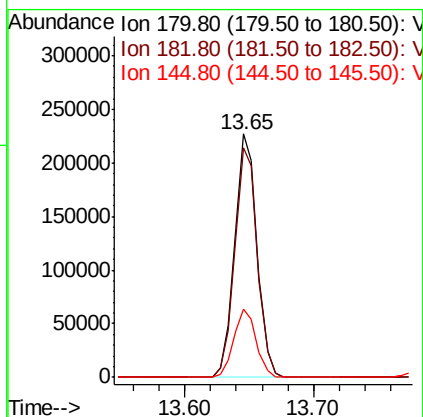
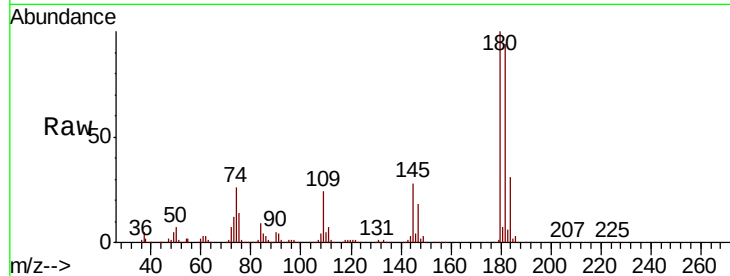




#93
 1,2,4-Trichlorobenzene
 Concen: 47.61 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

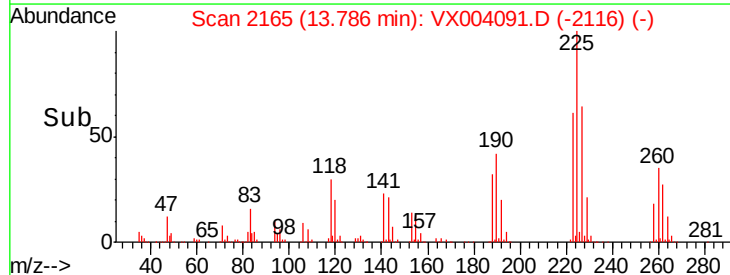
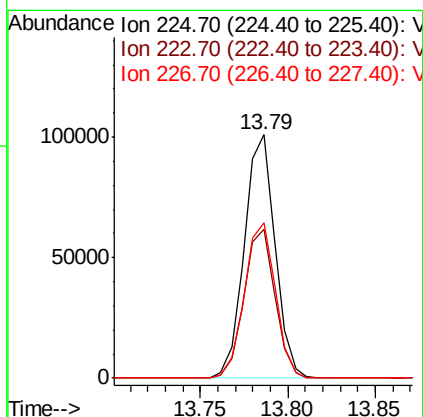
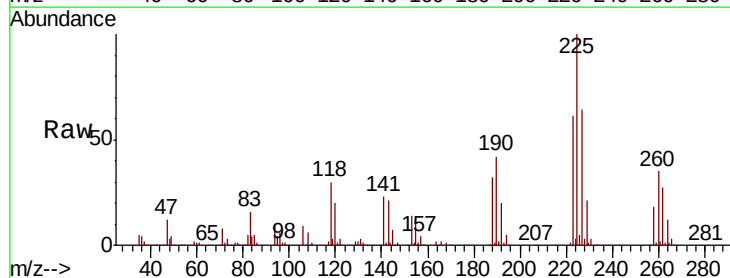
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

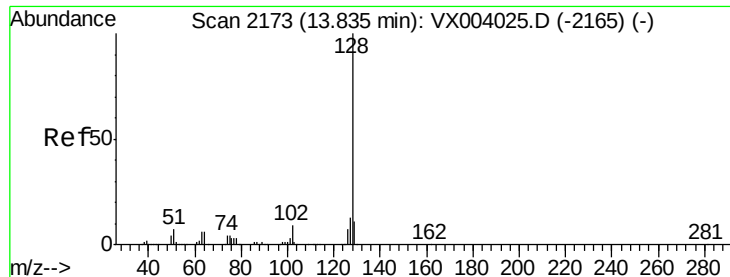
Tot Ion:180 Resp: 274077
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.7 143.1
 145 28.2 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 42.58 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004091.D
 Acq: 15 Aug 2018 23:34

Tgt Ion:225 Resp: 122887
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.4 94.0
 227 64.6 32.1 96.5





#95

Naphthalene

Concen: 47.96 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

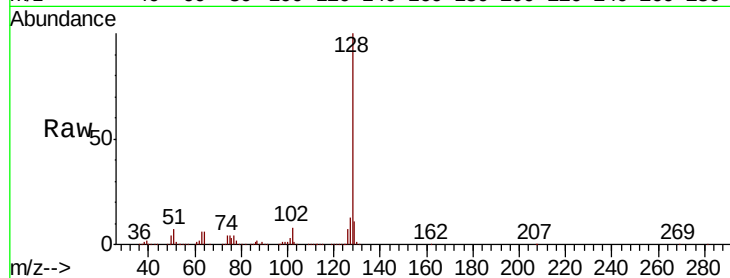
Tot Ion:128 Resp: 879285

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

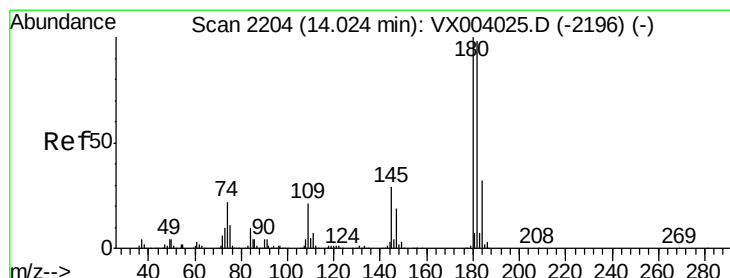
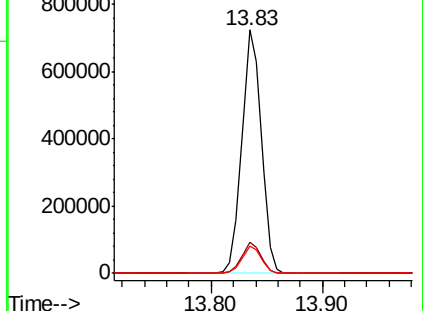
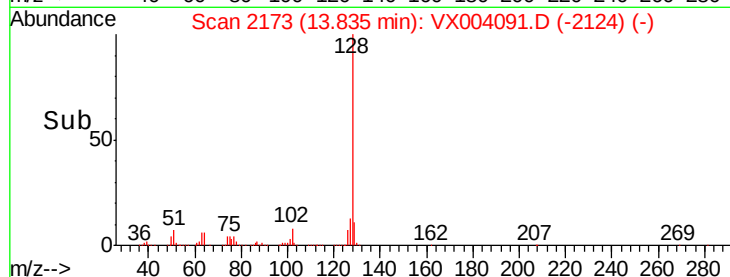
129 10.9 8.8 13.2



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: 45.22 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004091.D

Acq: 15 Aug 2018 23:34

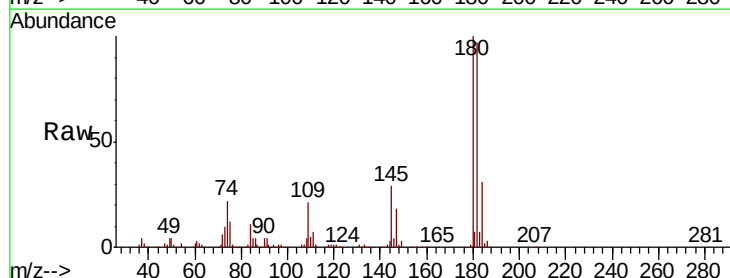
Tgt Ion:180 Resp: 283907

Ion Ratio Lower Upper

180 100

182 96.3 48.1 144.4

145 29.5 14.9 44.7



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

