

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
 Data File : VX003940.D
 Acq On : 09 Aug 2018 10:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 10 00:59:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	371858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	524535	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	491508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	304994	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	234964	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	5.50	113	197668	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	8.71	98	765457	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.14	95	291332	58.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	192254	51.02	ug/l	99
3) Chloromethane	1.32	50	218969	42.71	ug/l	100
4) Vinyl Chloride	1.40	62	242094	47.35	ug/l	99
5) Bromomethane	1.64	94	116404	42.89	ug/l	99
6) Chloroethane	1.71	64	178089	54.44	ug/l	97
7) Trichlorofluoromethane	1.92	101	336136	49.80	ug/l	99
8) Diethyl Ether	2.19	74	149649	49.32	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	214611	50.86	ug/l	100
10) Methyl Iodide	2.51	142	190675	36.32	ug/l	99
11) Tert butyl alcohol	3.07	59	261418	220.70	ug/l	99
12) 1,1-Dichloroethene	2.37	96	197383	49.45	ug/l	97
13) Acrolein	2.29	56	119968	195.57	ug/l	100
14) Allyl chloride	2.73	41	375197	48.77	ug/l	97
15) Acrylonitrile	3.15	53	641963	227.13	ug/l	100
16) Acetone	2.45	43	740833	252.62	ug/l	99
17) Carbon Disulfide	2.57	76	544171	48.12	ug/l	100
18) Methyl Acetate	2.78	43	301169	47.16	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	705503	49.88	ug/l	99
20) Methylene Chloride	2.85	84	228657	49.46	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	217002	47.89	ug/l	97
22) Diisopropyl ether	3.87	45	687347	48.60	ug/l	98
23) Vinyl Acetate	3.82	43	2919640	248.11	ug/l	99
24) 1,1-Dichloroethane	3.70	63	403359	48.01	ug/l	100
25) 2-Butanone	4.70	43	1078204	244.54	ug/l	98
26) 2,2-Dichloropropane	4.58	77	335547	55.38	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	250457	50.94	ug/l	98
28) Bromochloromethane	5.02	49	179731	49.99	ug/l	98
29) Tetrahydrofuran	5.16	42	526618	232.38	ug/l	100
30) Chloroform	5.21	83	398112	50.34	ug/l	98
31) Cyclohexane	5.57	56	360933	50.80	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	345629	52.11	ug/l	99
36) 1,1-Dichloropropene	5.80	75	313893	53.43	ug/l	99
37) Ethyl Acetate	4.86	43	318189	49.24	ug/l	99
38) Carbon Tetrachloride	5.78	117	296953	53.11	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	381703	55.11	ug/l	98
40) Benzene	6.14	78	926088	52.50	ug/l	100
41) Methacrylonitrile	5.06	41	178527	50.16	ug/l	99
42) 1,2-Dichloroethane	6.20	62	313808	52.61	ug/l	100
43) Isopropyl Acetate	6.46	43	509015	52.34	ug/l	99
44) Trichloroethene	7.21	130	252552	52.35	ug/l	96
45) 1,2-Dichloropropane	7.52	63	238139	52.28	ug/l	100
46) Dibromomethane	7.67	93	152136	51.44	ug/l	99
47) Bromodichloromethane	7.90	83	299124	53.69	ug/l	99
48) Methyl methacrylate	7.77	41	261789	52.96	ug/l	98
49) 1,4-Dioxane	7.76	88	115386	990.83	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	2064524	256.12	ug/l	99
52) Toluene	8.79	92	600760	53.90	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	348981	55.42	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	377317	55.57	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	236636	51.95	ug/l	99
56) Ethyl methacrylate	9.18	69	368847	55.81	ug/l	99
57) 1,3-Dichloropropane	9.37	76	399230	52.37	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	824429	253.70	ug/l	99
59) 2-Hexanone	9.50	43	1601817	265.84	ug/l	99
60) Dibromochloromethane	9.59	129	243538	57.35	ug/l	100
61) 1,2-Dibromoethane	9.68	107	247541	54.28	ug/l	100
64) Tetrachloroethene	9.34	164	238920	49.41	ug/l	96
65) Chlorobenzene	10.14	112	659301	51.55	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	234514	53.34	ug/l	99
67) Ethyl Benzene	10.25	91	1133891	54.16	ug/l	98
68) m/p-Xylenes	10.36	106	909935	111.23	ug/l	95
69) o-Xylene	10.70	106	438728	56.81	ug/l	99
70) Styrene	10.71	104	730795	57.80	ug/l	98
71) Bromoform	10.86	173	191217	51.22	ug/l	99
73) Isopropylbenzene	11.02	105	1171971	51.94	ug/l	97
74) N-amyl acetate	6.46	43	509015	43.38	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	369275	47.75	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	431022	63.98	ug/l	84
77) Bromobenzene	11.26	156	306924	50.99	ug/l	98
78) n-propylbenzene	11.36	91	1354019	53.44	ug/l	100
79) 2-Chlorotoluene	11.42	91	776310	50.26	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	970675	52.76	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	116391	47.13	ug/l	96
82) 4-Chlorotoluene	11.51	91	911422	50.36	ug/l	99
83) tert-Butylbenzene	11.77	119	979223	54.10	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	994817	53.78	ug/l	98
85) sec-Butylbenzene	11.94	105	1156924	54.16	ug/l	98
86) p-Isopropyltoluene	12.07	119	1068399	55.74	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	572020	51.41	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	568230	53.28	ug/l	99
89) n-Butylbenzene	12.39	91	890113	53.29	ug/l	99
90) Hexachloroethane	12.60	117	156918	50.42	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	534656	48.48	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	73601	46.46	ug/l	98

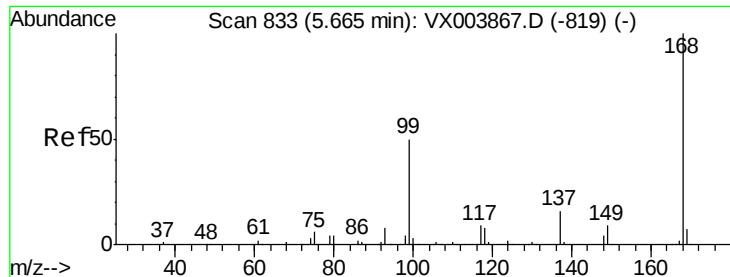
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
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Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:45:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	401712	50.65	ug/l	99
94) Hexachlorobutadiene	13.79	225	185351	52.94	ug/l	97
95) Naphthalene	13.83	128	1246864	54.89	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	427768	54.04	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

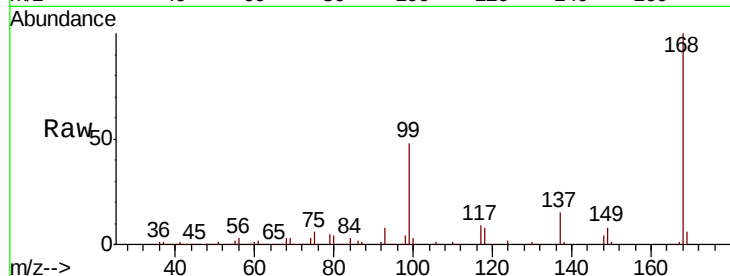
VSTDCCC050

Tot Ion:168 Resp: 371858

Ion Ratio Lower Upper

168 100

99 47.6 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

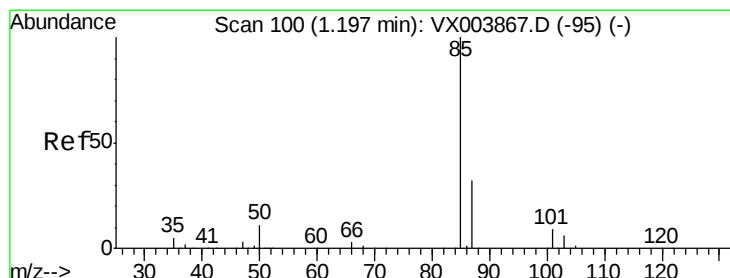
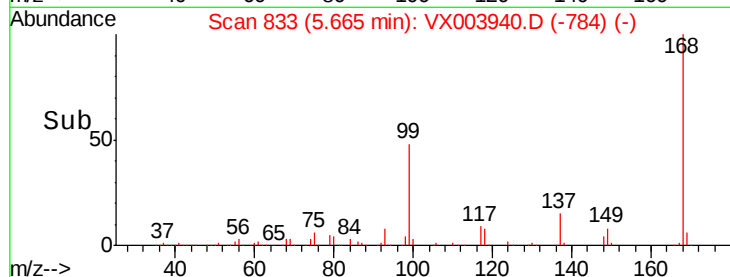
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.02 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003940.D

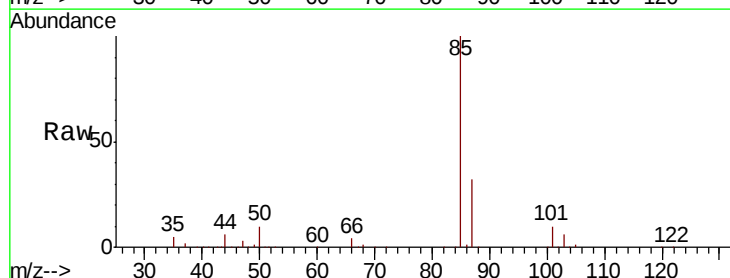
Acq: 09 Aug 2018 10:04

Tgt Ion: 85 Resp: 192254

Ion Ratio Lower Upper

85 100

87 32.5 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

200000

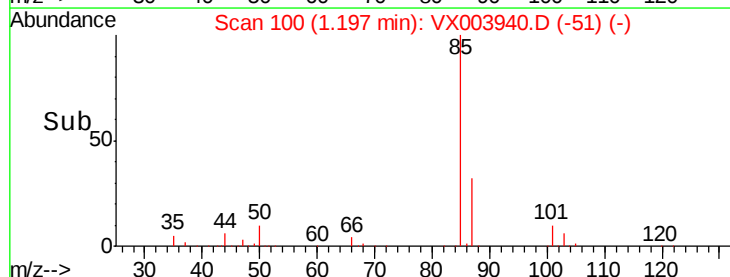
150000

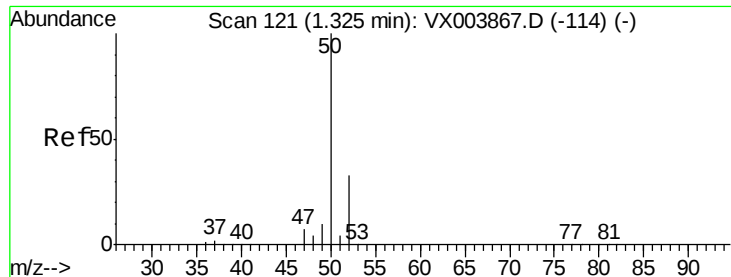
100000

50000

0

Time-->





#3

Chloromethane

Concen: 42.71 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

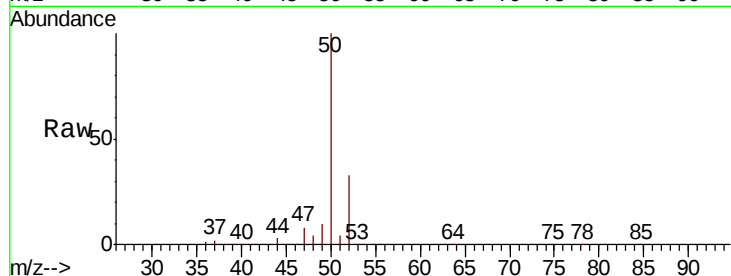
VSTDCCC050

Tot Ion: 50 Resp: 218969

Ion Ratio Lower Upper

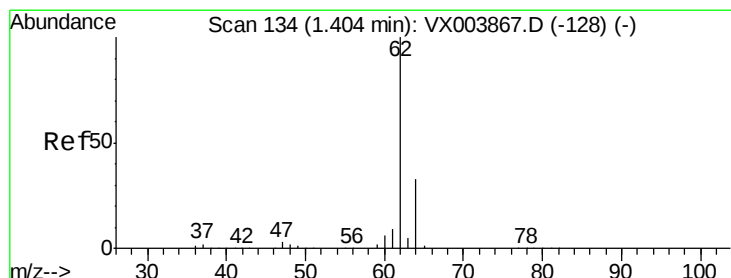
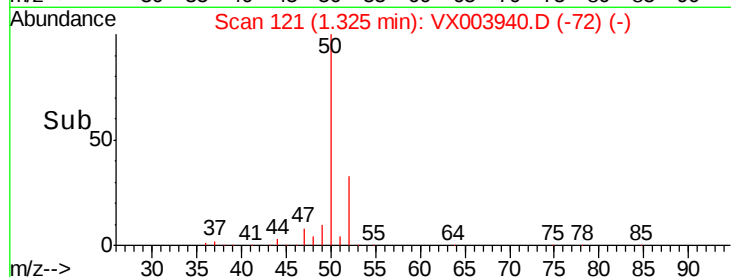
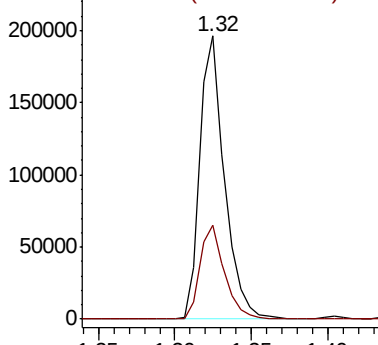
50 100

52 33.0 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: 47.35 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003940.D

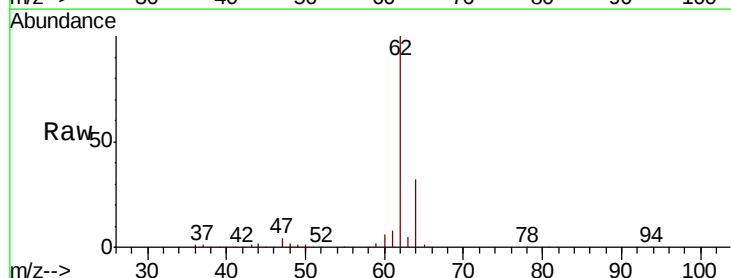
Acq: 09 Aug 2018 10:04

Tgt Ion: 62 Resp: 242094

Ion Ratio Lower Upper

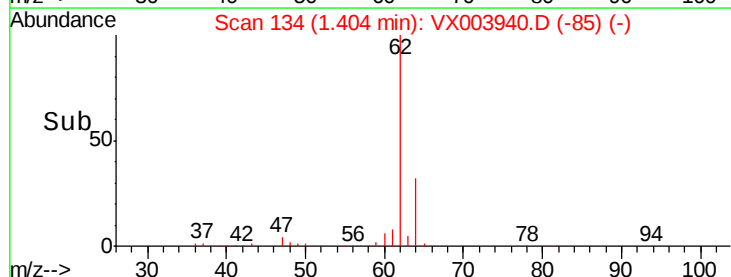
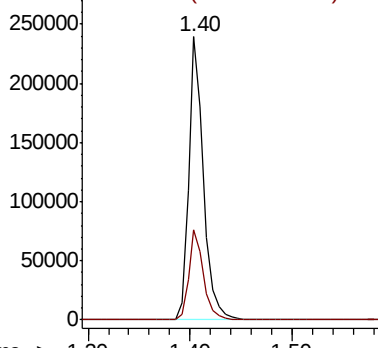
62 100

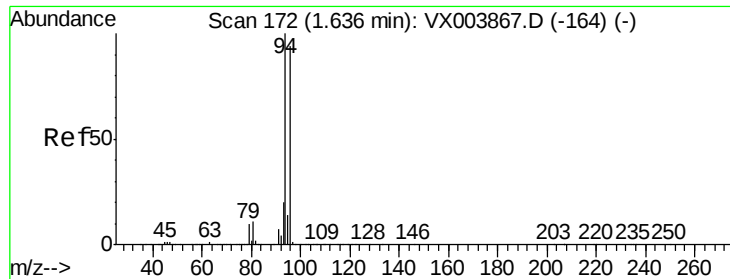
64 32.0 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.89 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

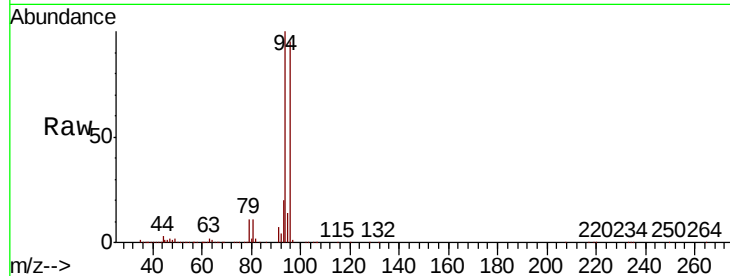
VSTDCCC050

Tot Ion: 94 Resp: 116404

Ion Ratio Lower Upper

94 100

96 94.9 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

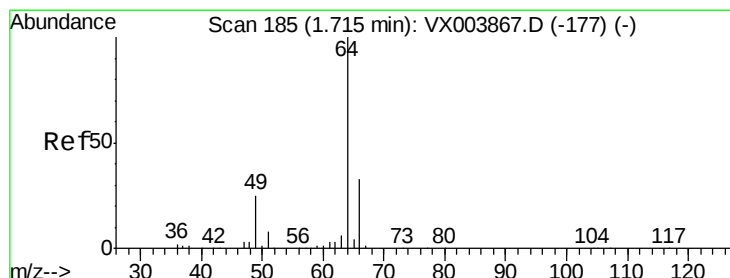
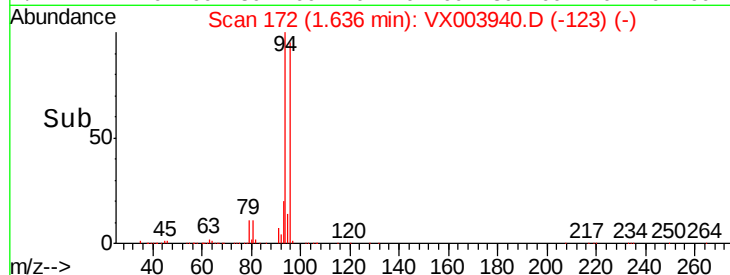
1.64

100000

50000

0

Time-->



#6

Chloroethane

Concen: 54.44 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003940.D

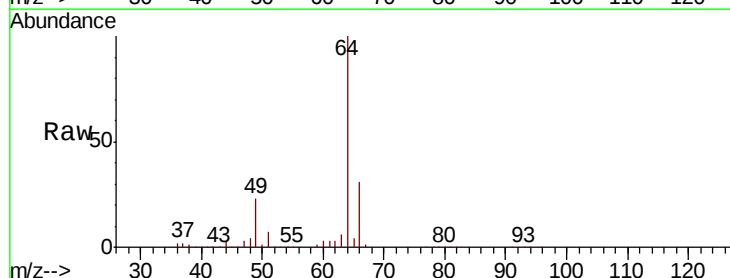
Acq: 09 Aug 2018 10:04

Tgt Ion: 64 Resp: 178089

Ion Ratio Lower Upper

64 100

66 31.3 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

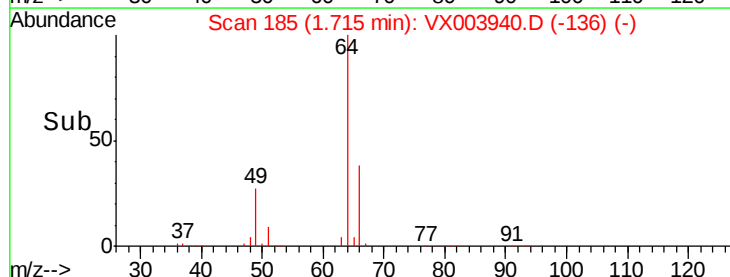
1.71

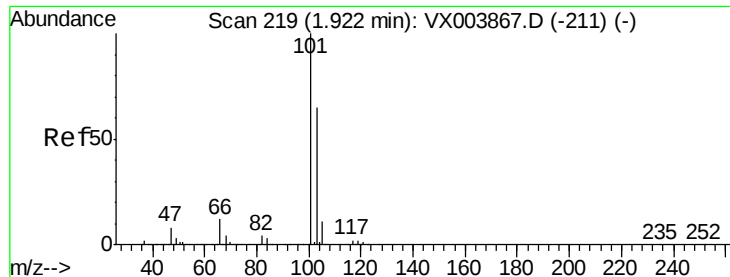
100000

50000

0

Time-->





#7

Trichlorofluoromethane

Concen: 49.80 ug/l

RT: 1.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

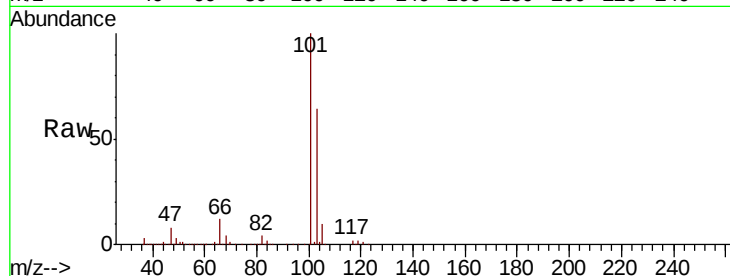
VSTDCCC050

Tot Ion:101 Resp: 336136

Ion Ratio Lower Upper

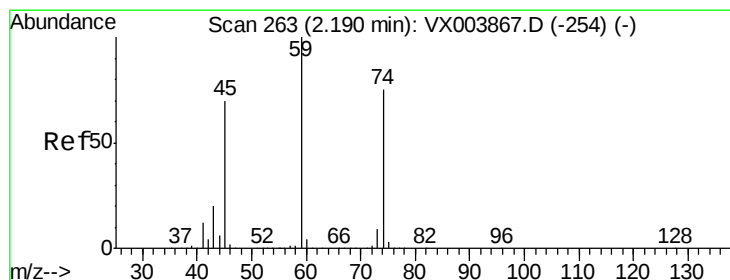
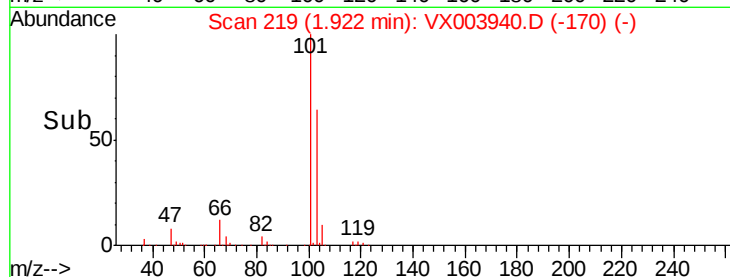
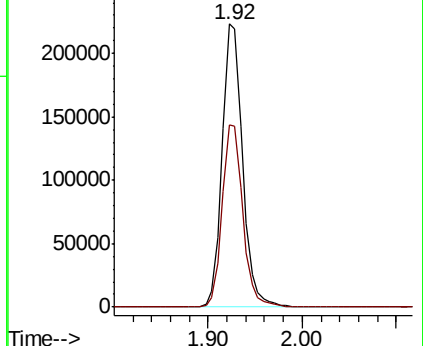
101 100

103 64.3 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 49.32 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003940.D

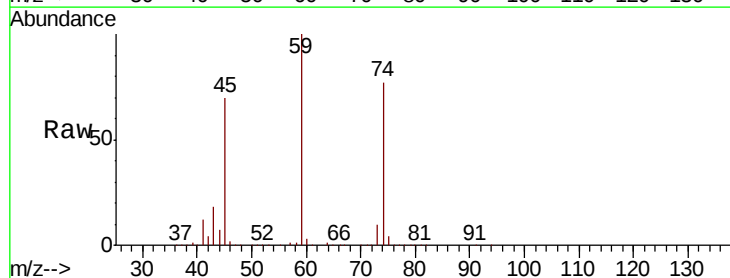
Acq: 09 Aug 2018 10:04

Tgt Ion: 74 Resp: 149649

Ion Ratio Lower Upper

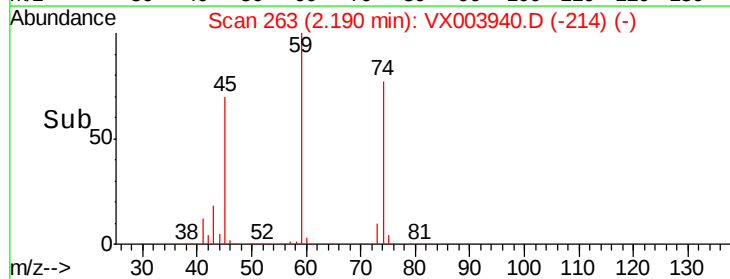
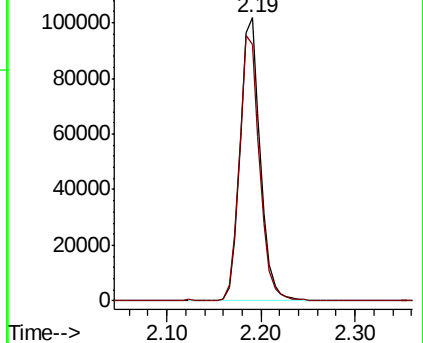
74 100

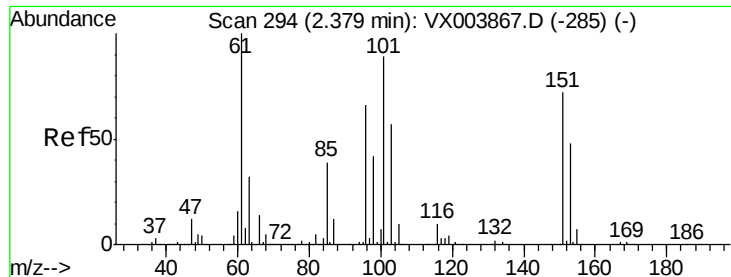
45 94.3 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.86 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

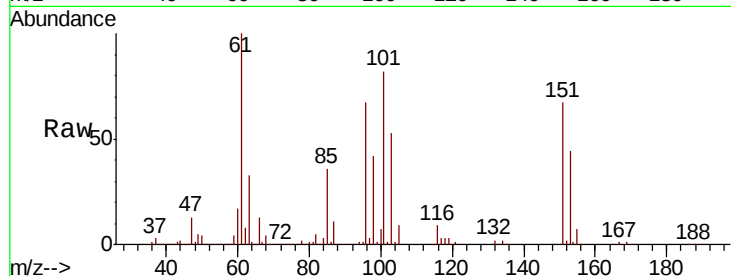
Tot Ion:101 Resp: 214611

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.4

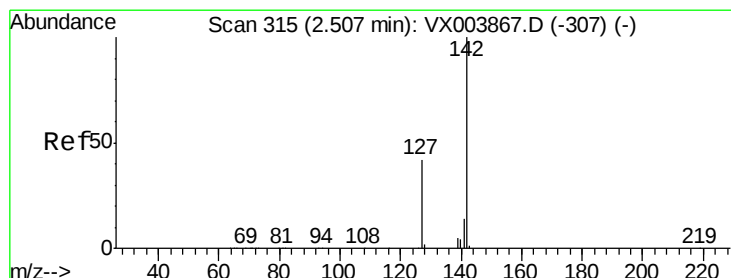
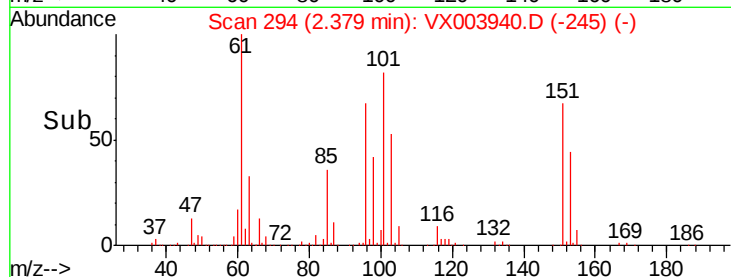
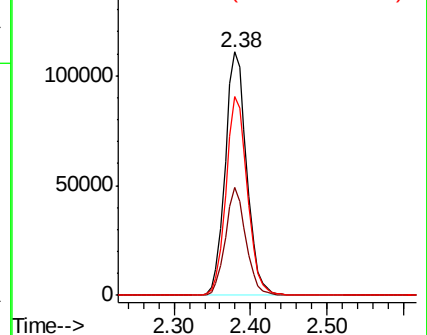
151 81.2 65.0 97.4



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: 36.32 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

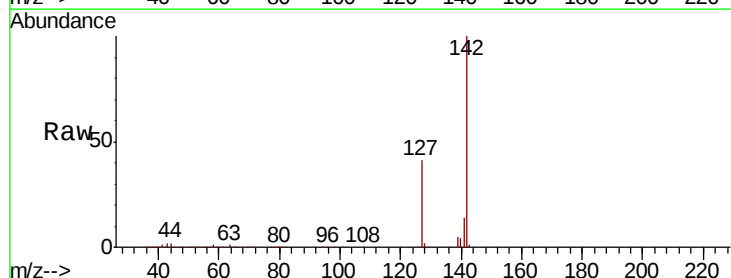
Tgt Ion:142 Resp: 190675

Ion Ratio Lower Upper

142 100

127 41.8 33.1 49.7

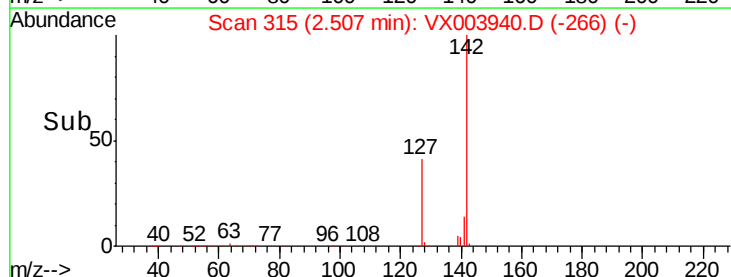
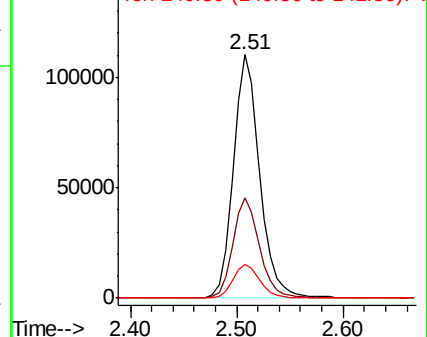
141 14.3 11.1 16.7

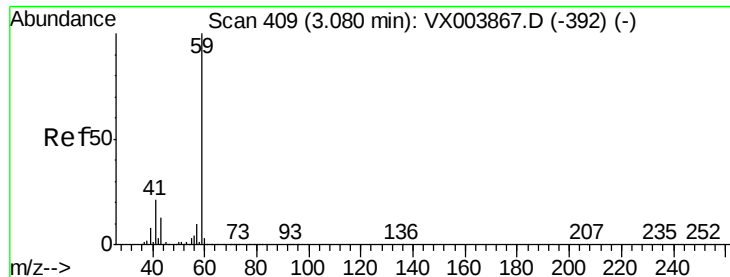


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



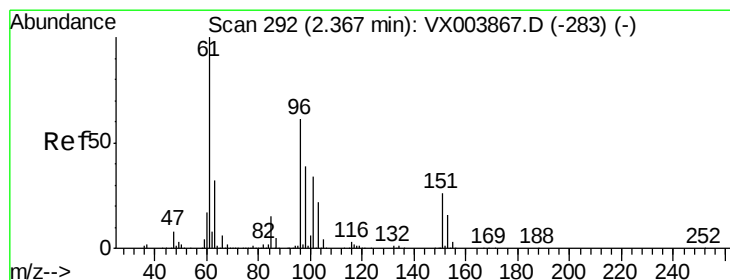
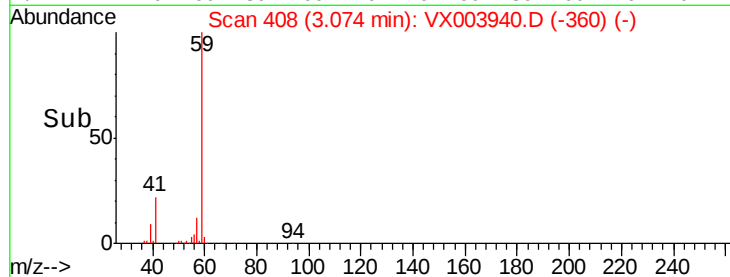
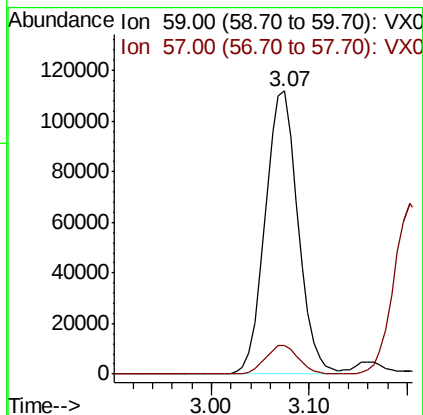
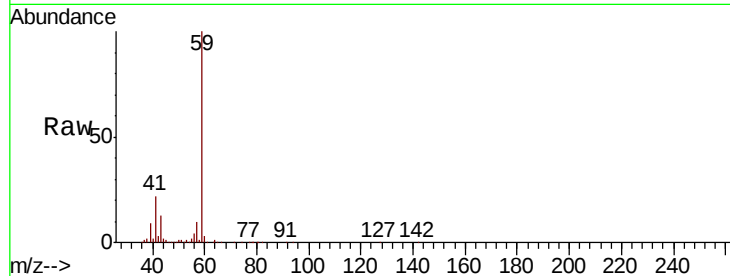


#11

Tert butyl alcohol
Concen: 220.70 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

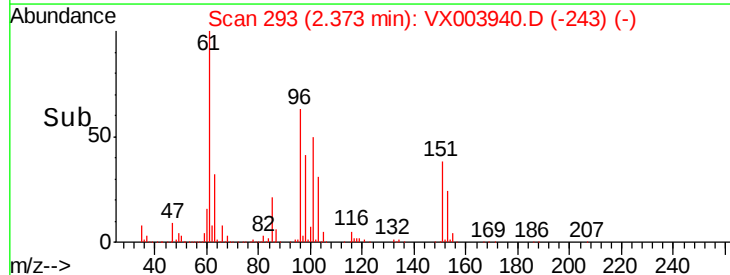
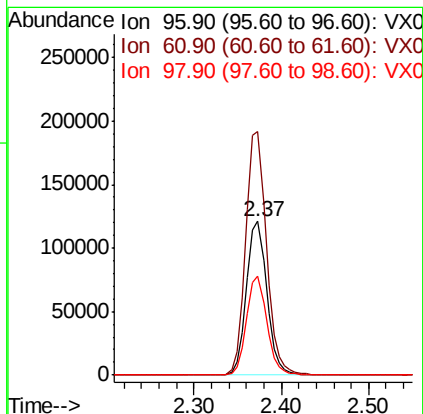
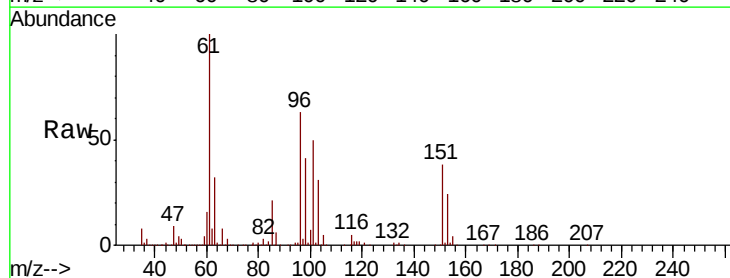
Tot Ion: 59 Resp: 261418
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1

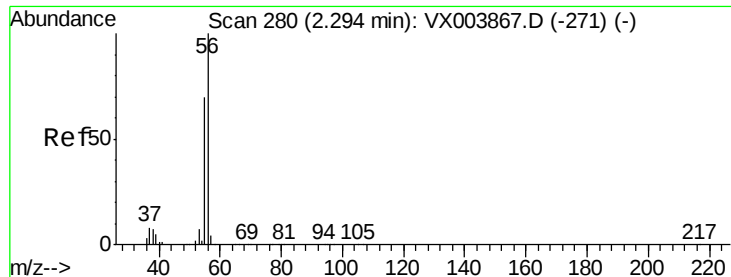


#12

1,1-Dichloroethene
Concen: 49.45 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion: 96 Resp: 197383
Ion Ratio Lower Upper
96 100
61 158.3 131.3 196.9
98 64.5 51.8 77.6





#13

Acrolein

Concen: 195.57 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

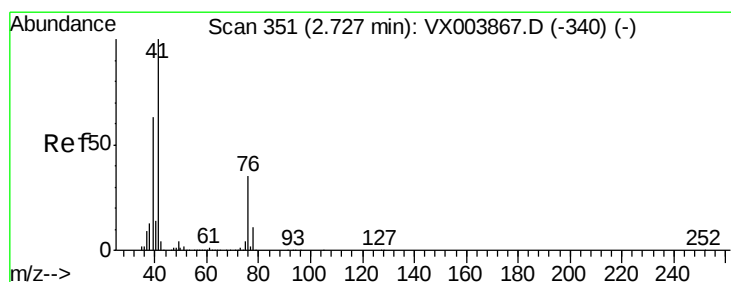
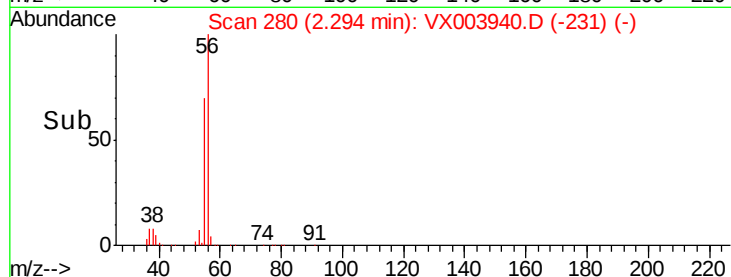
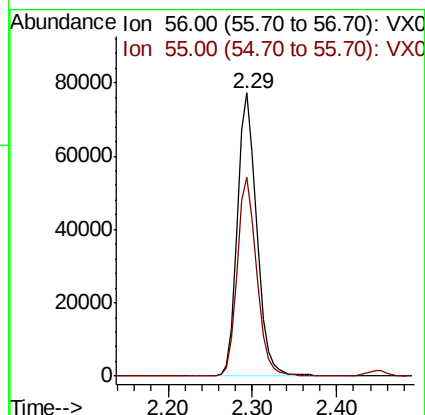
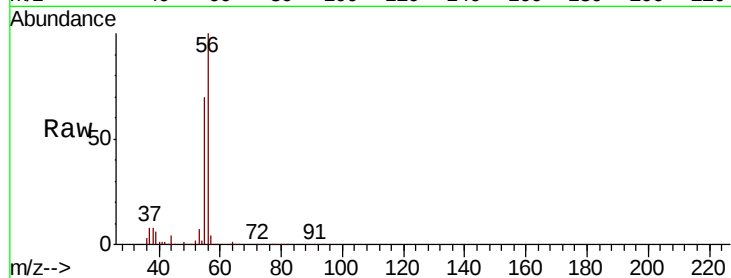
VSTDCCC050

Tot Ion: 56 Resp: 119968

Ion Ratio Lower Upper

56 100

55 70.0 56.1 84.1



#14

Allyl chloride

Concen: 48.77 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

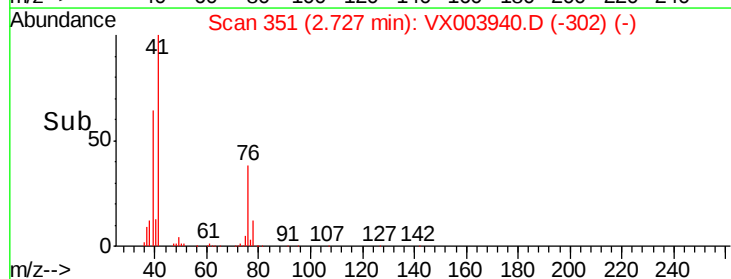
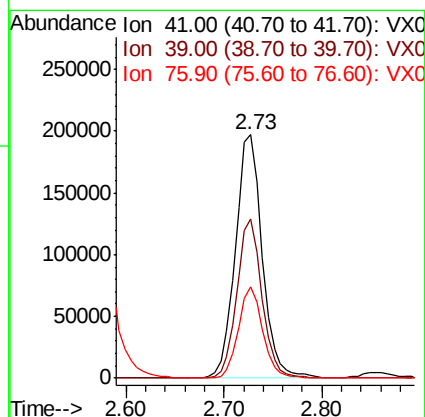
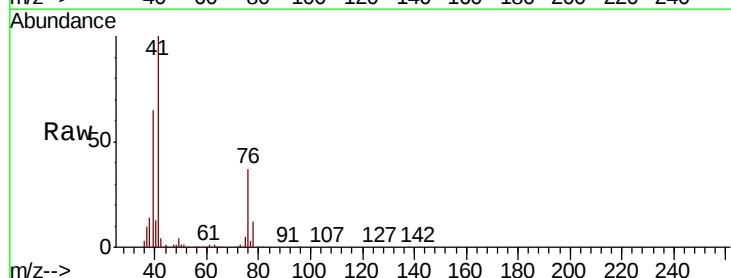
Tgt Ion: 41 Resp: 375197

Ion Ratio Lower Upper

41 100

39 61.0 47.4 71.0

76 34.2 26.0 39.0





#15

Acrylonitrile

Concen: 227.13 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

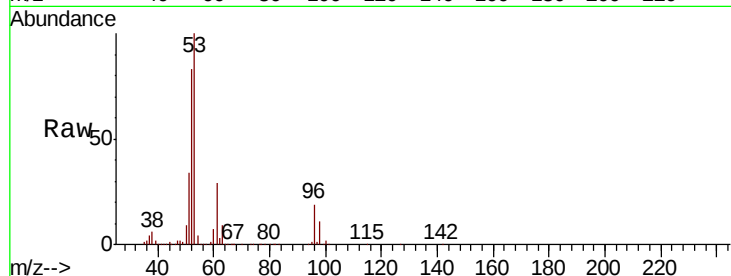
Tot Ion: 53 Resp: 641963

Ion Ratio Lower Upper

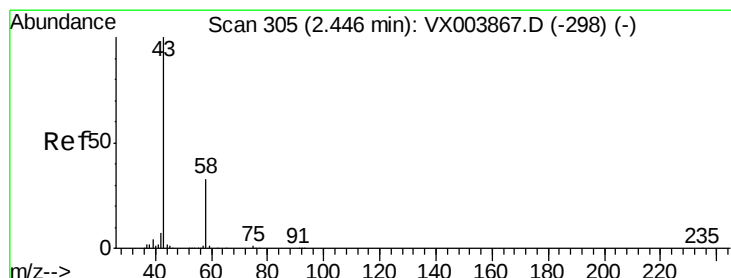
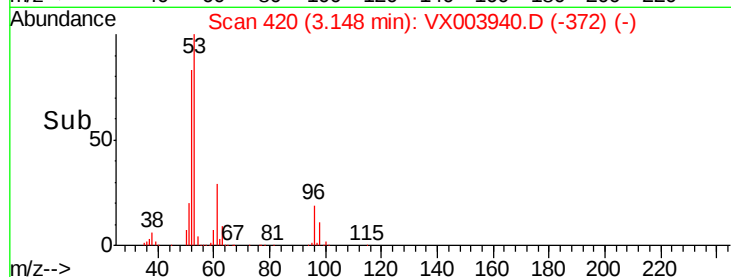
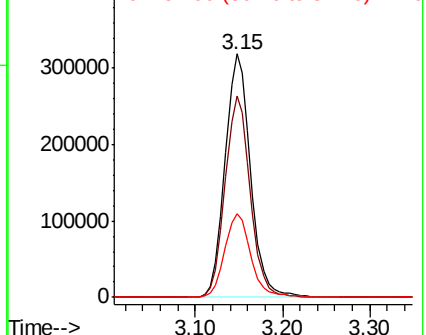
53 100

52 81.7 65.3 97.9

51 35.2 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: 252.62 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003940.D

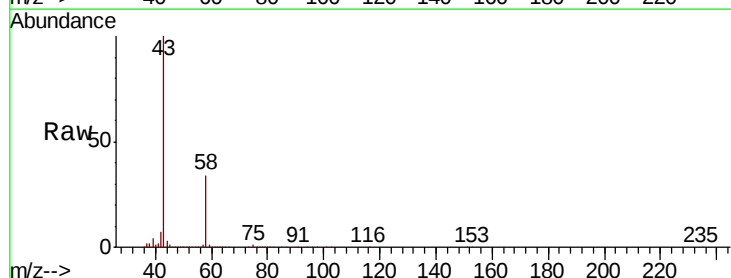
Acq: 09 Aug 2018 10:04

Tgt Ion: 43 Resp: 740833

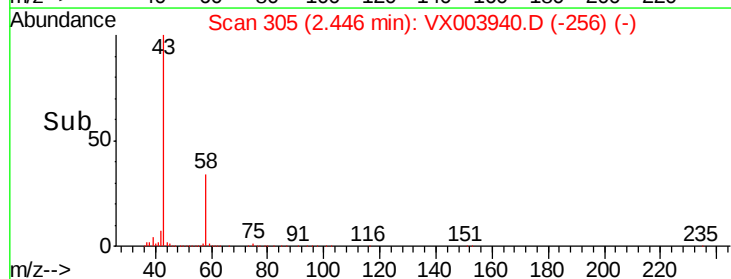
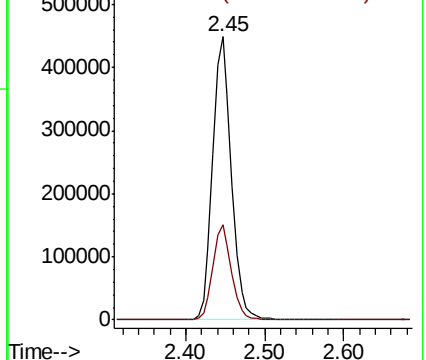
Ion Ratio Lower Upper

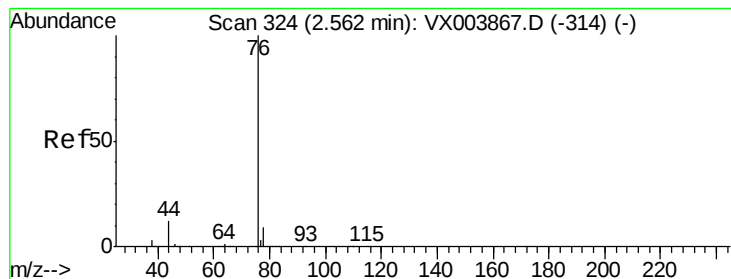
43 100

58 33.7 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: 48.12 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

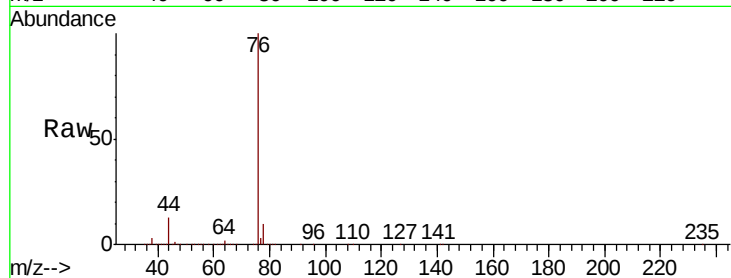
VSTDCCC050

Tot Ion: 76 Resp: 544171

Ion Ratio Lower Upper

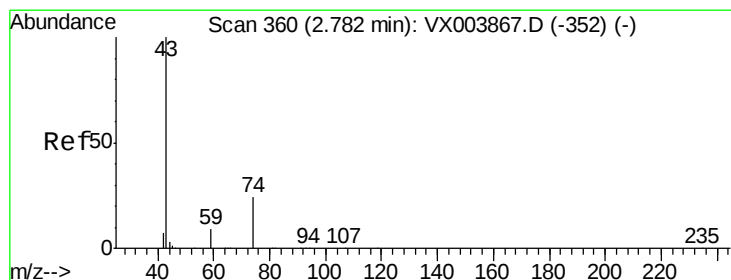
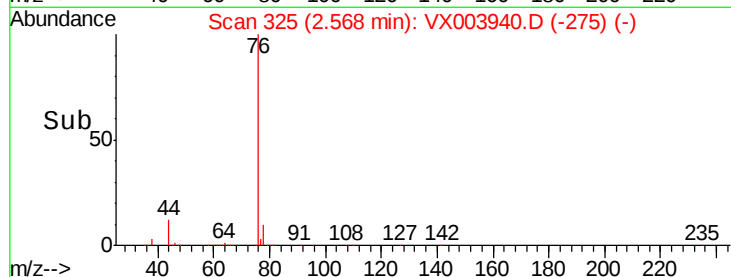
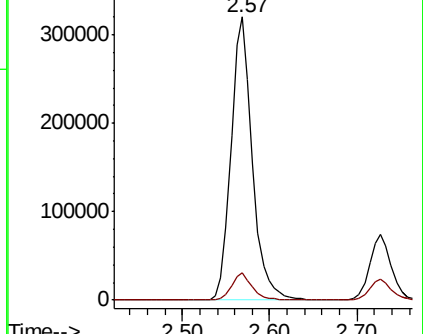
76 100

78 9.6 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: 47.16 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003940.D

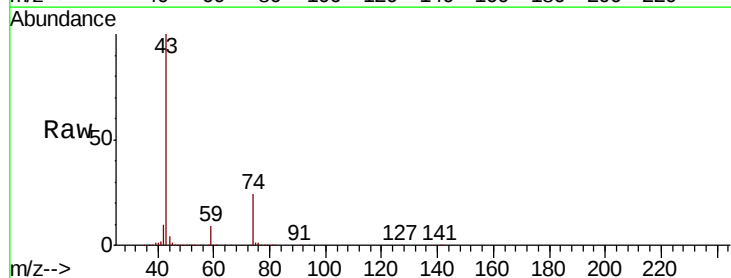
Acq: 09 Aug 2018 10:04

Tgt Ion: 43 Resp: 301169

Ion Ratio Lower Upper

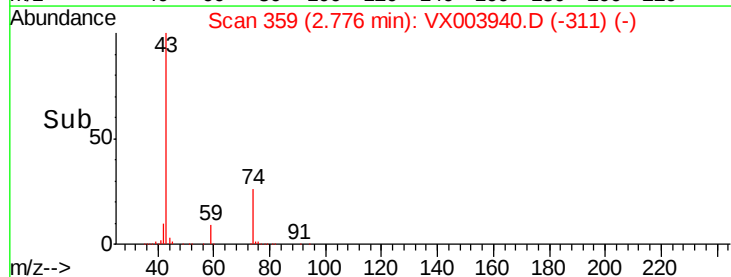
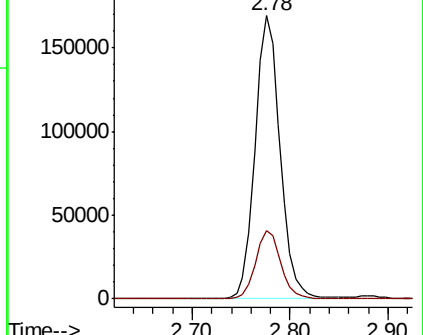
43 100

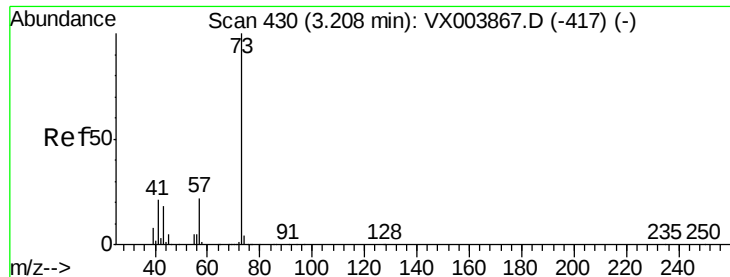
74 24.7 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

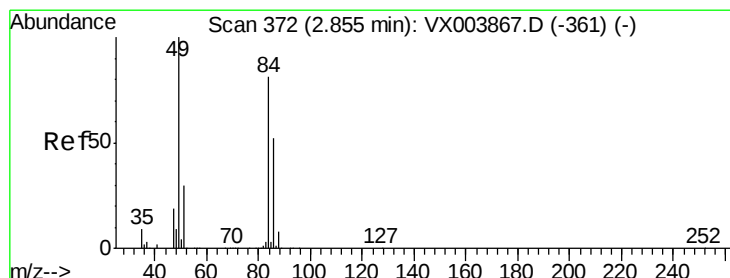
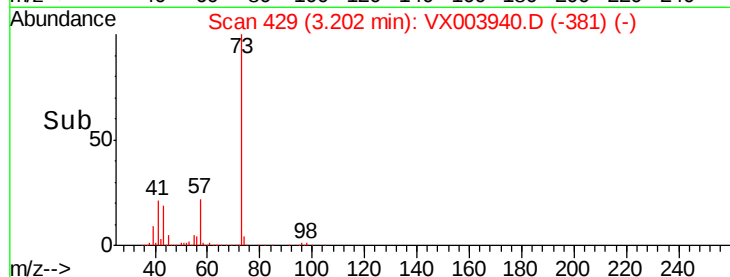
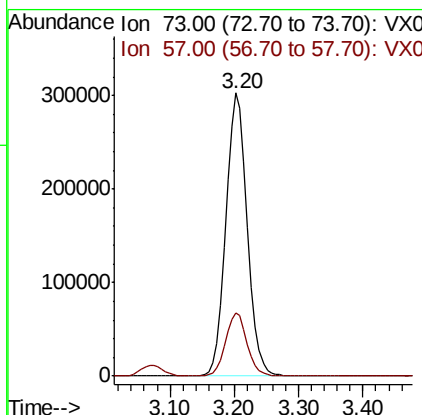
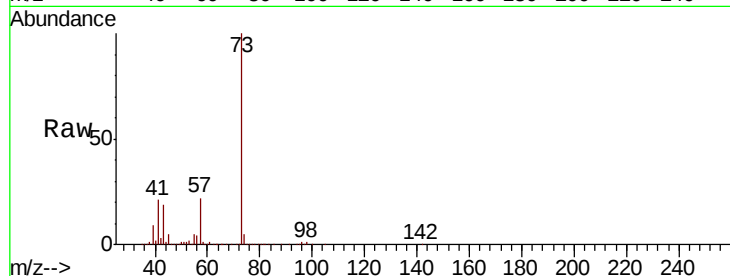




#19
Methyl tert-butyl Ether
Concen: 49.88 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

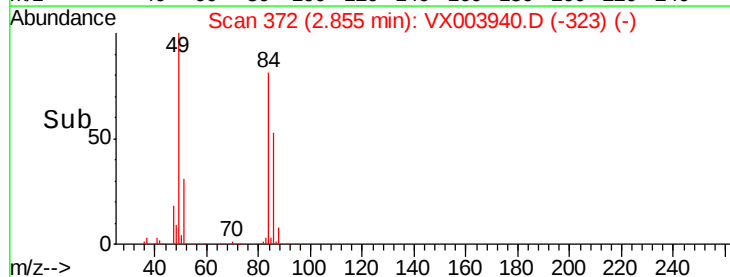
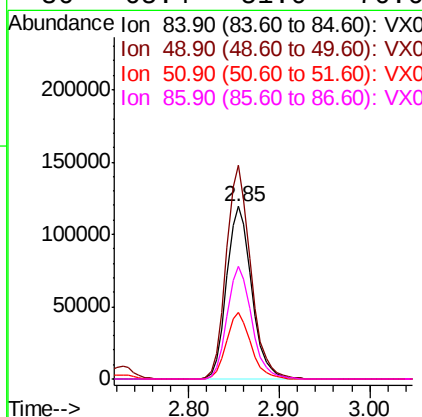
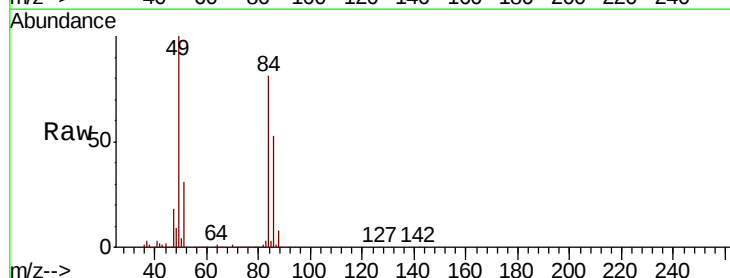
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

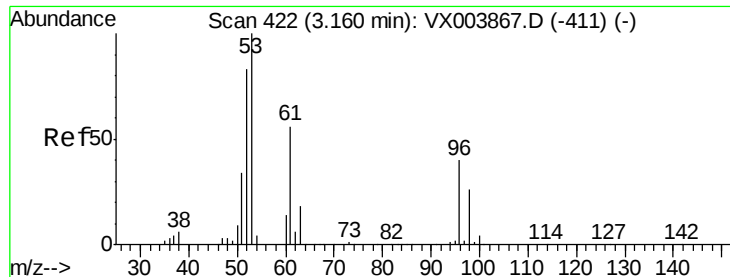
Tot Ion: 73 Resp: 705503
Ion Ratio Lower Upper
73 100
57 22.2 18.0 27.0



#20
Methylene Chloride
Concen: 49.46 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion: 84 Resp: 228657
Ion Ratio Lower Upper
84 100
49 123.9 98.9 148.3
51 38.6 29.9 44.9
86 65.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.89 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

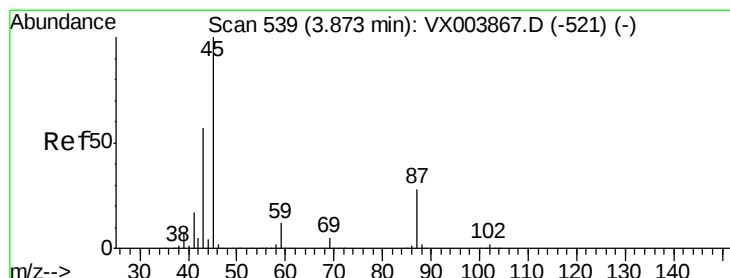
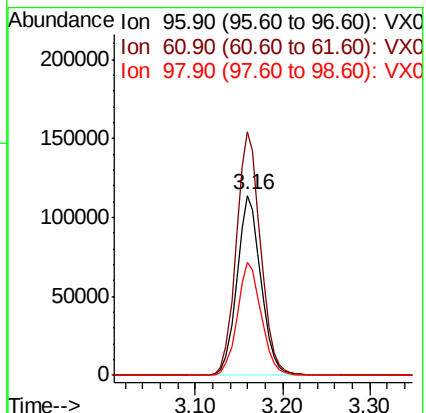
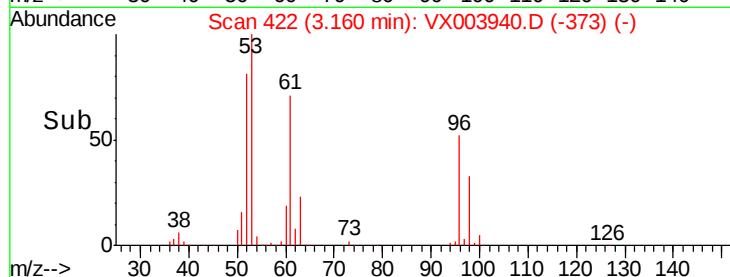
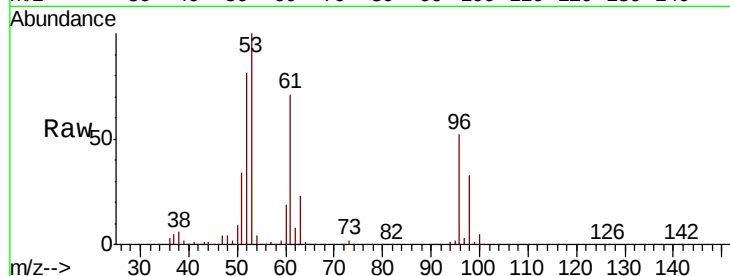
Tot Ion: 96 Resp: 217002

Ion Ratio Lower Upper

96 100

61 135.2 111.8 167.6

98 63.0 51.8 77.6



#22

Diisopropyl ether

Concen: 48.60 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Tgt Ion: 45 Resp: 687347

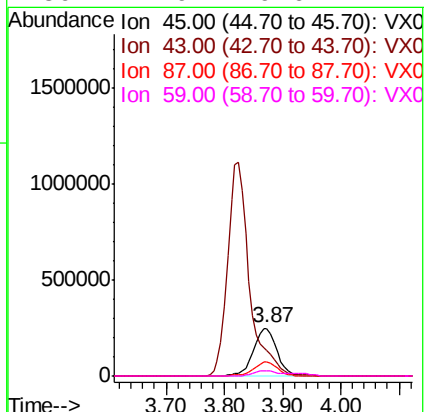
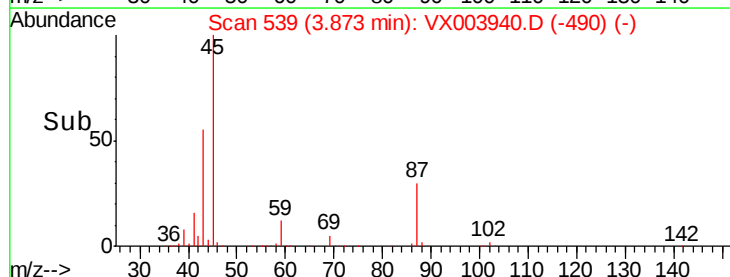
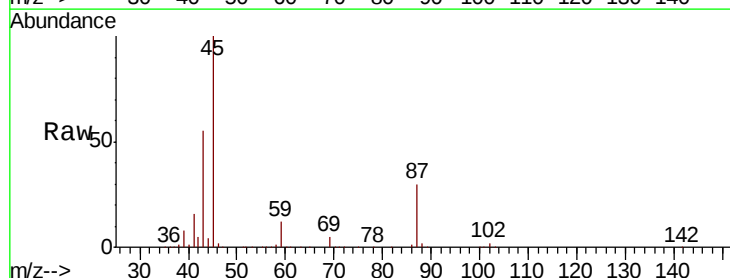
Ion Ratio Lower Upper

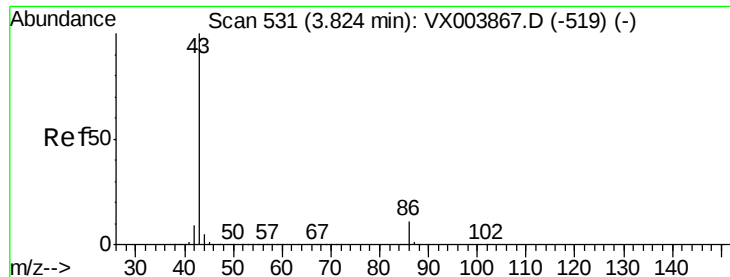
45 100

43 54.7 45.3 67.9

87 29.8 22.7 34.1

59 11.9 9.6 14.4





#23

Vinyl Acetate

Concen: 248.11 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

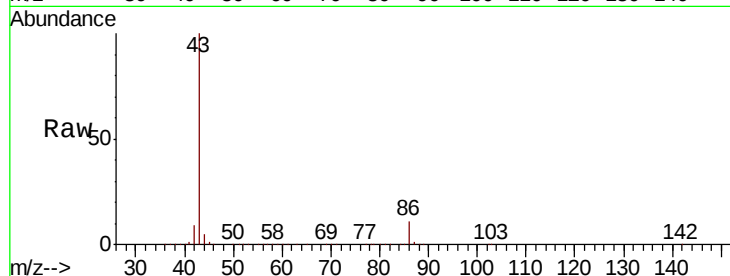
VSTDCCC050

Tot Ion: 43 Resp: 2919640

Ion Ratio Lower Upper

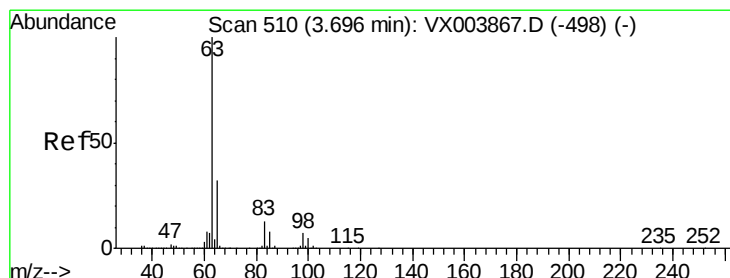
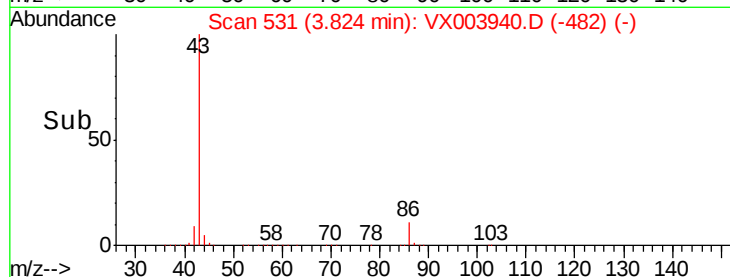
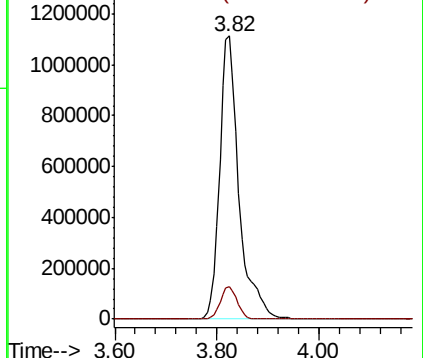
43 100

86 11.4 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: 48.01 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

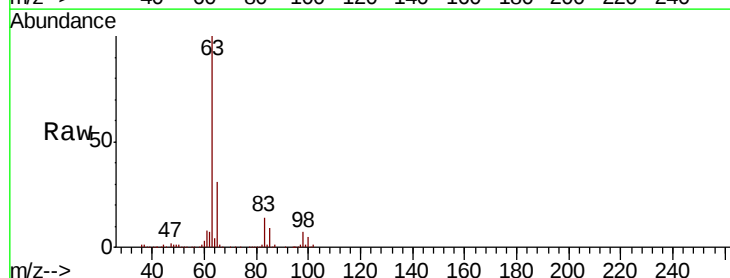
Tgt Ion: 63 Resp: 403359

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

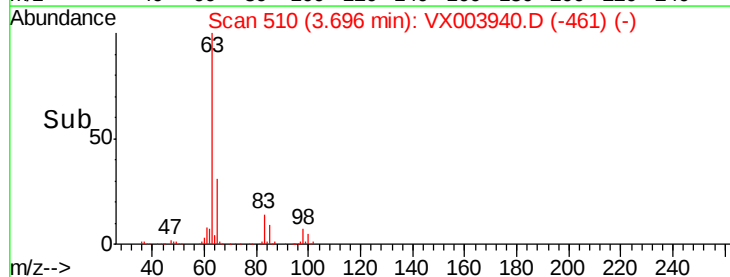
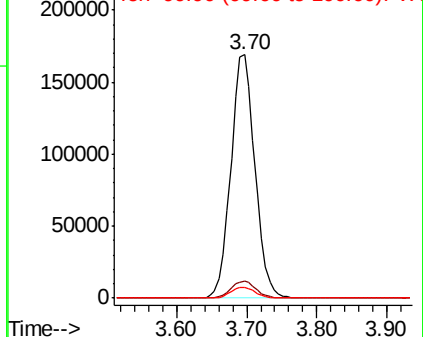
100 4.6 2.3 6.8

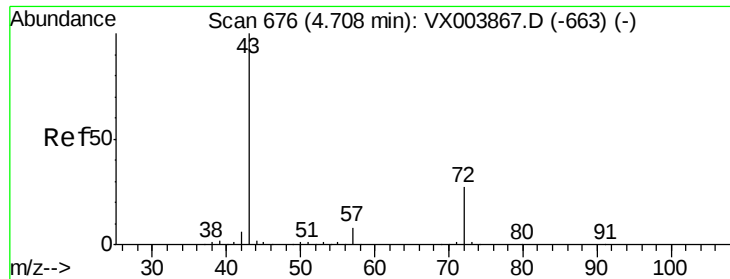


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 244.54 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

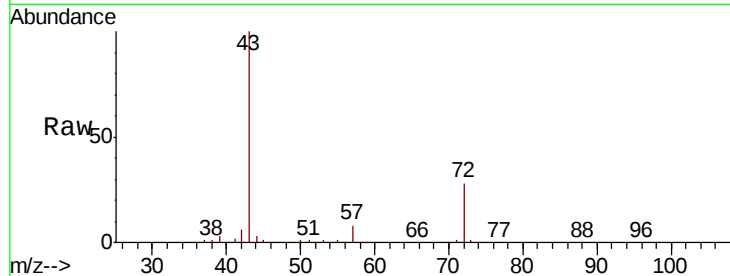
VSTDCCC050

Tot Ion: 43 Resp: 1078204

Ion Ratio Lower Upper

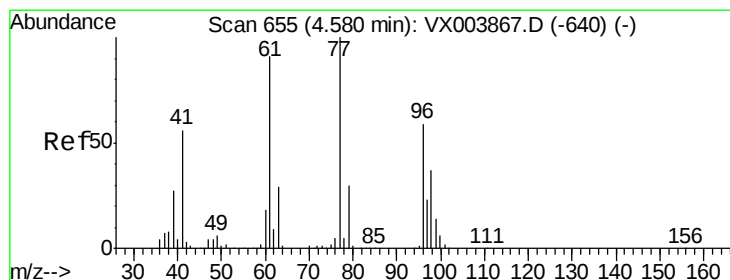
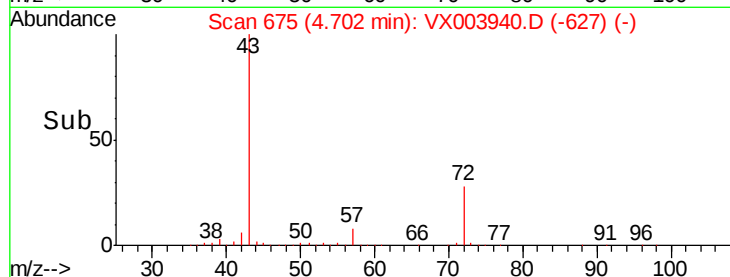
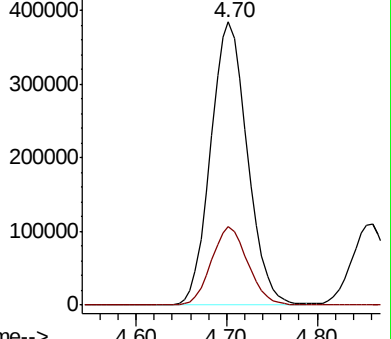
43 100

72 27.6 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: 55.38 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003940.D

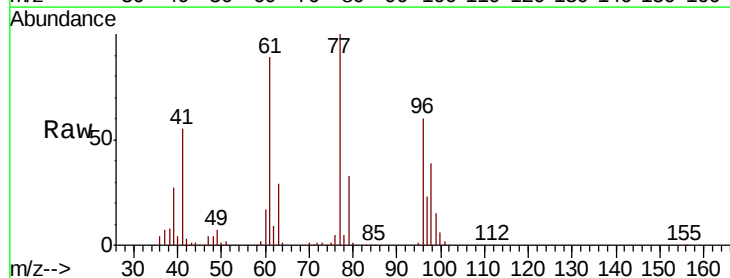
Acq: 09 Aug 2018 10:04

Tgt Ion: 77 Resp: 335547

Ion Ratio Lower Upper

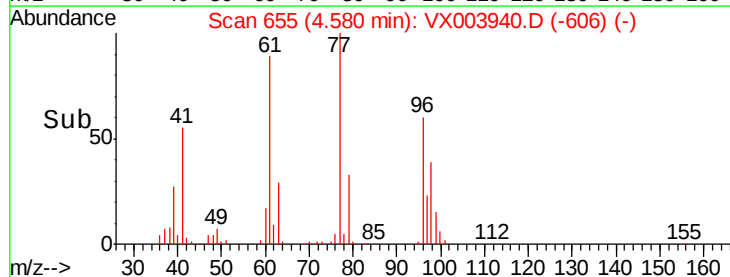
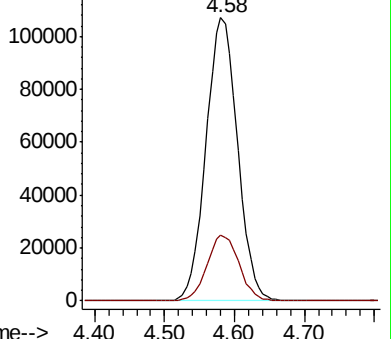
77 100

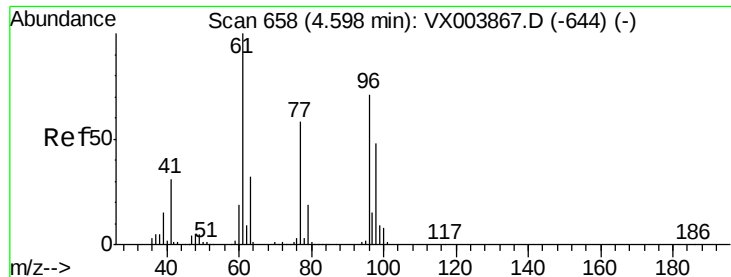
97 23.5 11.9 35.9



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: 50.94 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

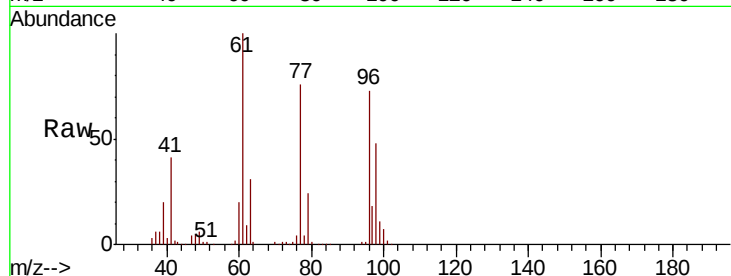
Tot Ion: 96 Resp: 250457

Ion Ratio Lower Upper

96 100

61 142.7 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

150000

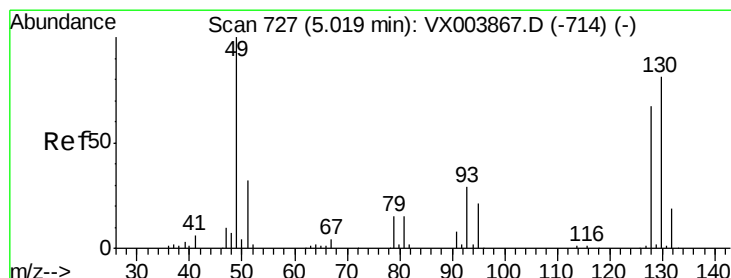
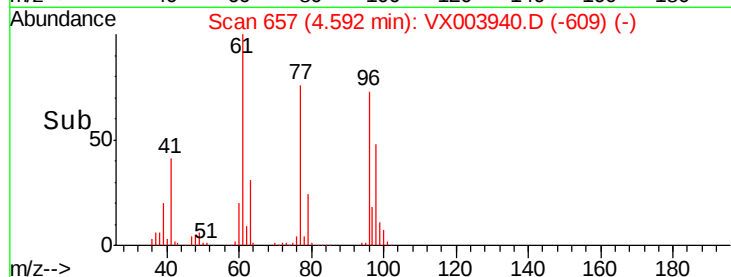
100000

50000

0

4.59

Time--> 4.40 4.50 4.60 4.70 4.80



#28

Bromochloromethane

Concen: 49.99 ug/l

RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

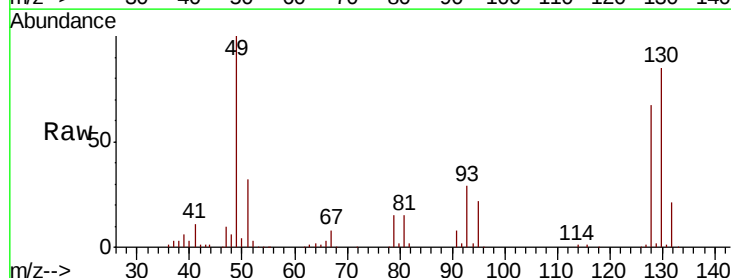
Tgt Ion: 49 Resp: 179731

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

130 84.8 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

80000

60000

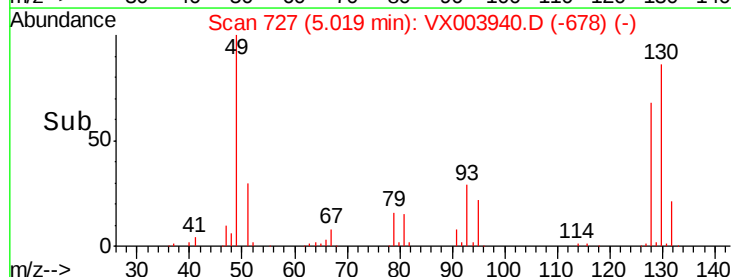
40000

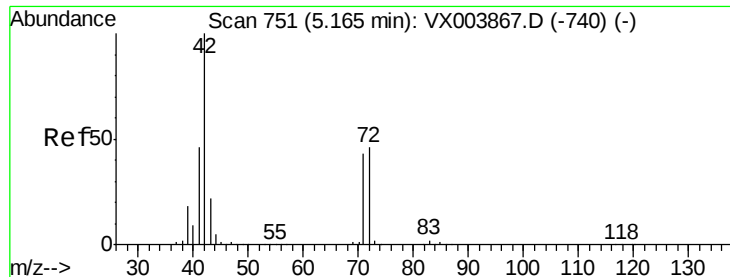
20000

0

5.02

Time--> 4.90 5.00 5.10





#29

Tetrahydrofuran

Concen: 232.38 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

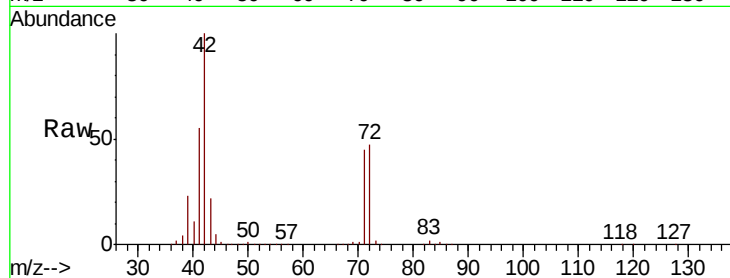
Tot Ion: 42 Resp: 526618

Ion Ratio Lower Upper

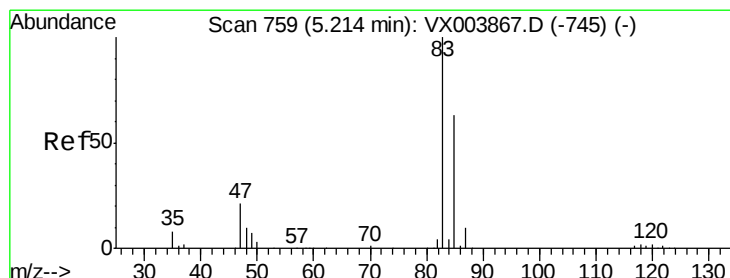
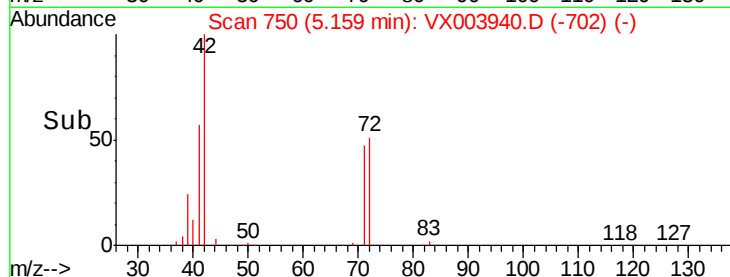
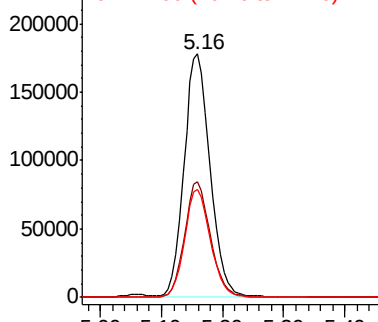
42 100

72 47.3 37.7 56.5

71 43.9 35.0 52.6



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.34 ug/l

RT: 5.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX003940.D

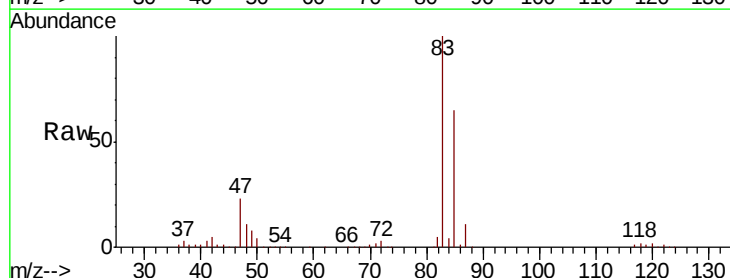
Acq: 09 Aug 2018 10:04

Tgt Ion: 83 Resp: 398112

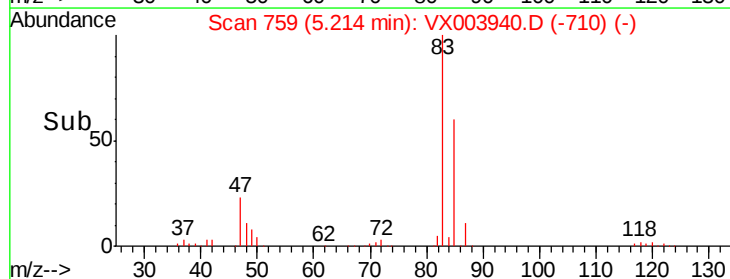
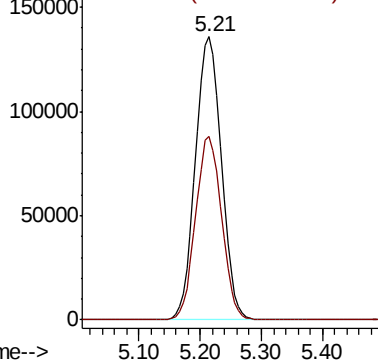
Ion Ratio Lower Upper

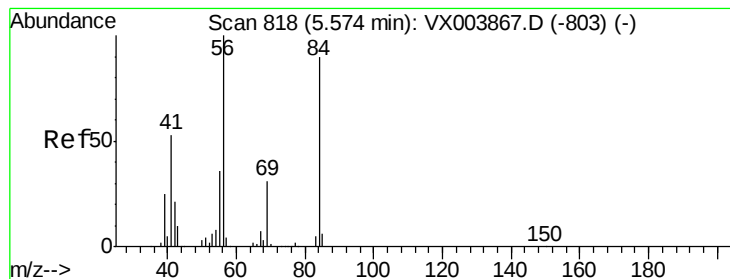
83 100

85 64.7 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 50.80 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

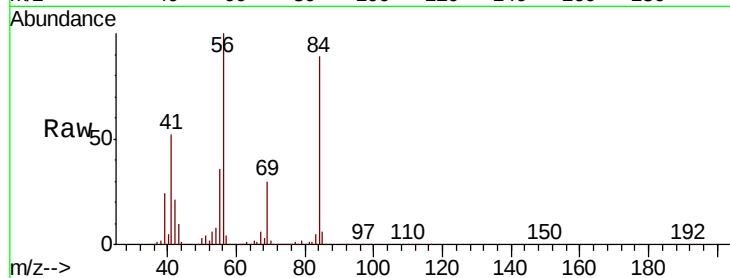
Tot Ion: 56 Resp: 360933

Ion Ratio Lower Upper

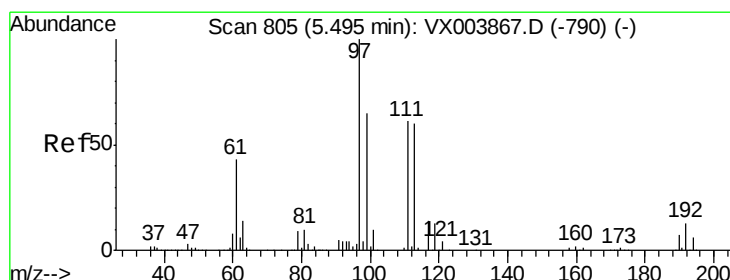
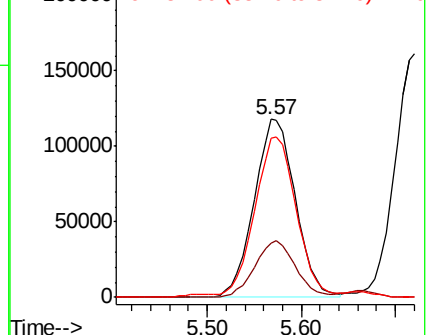
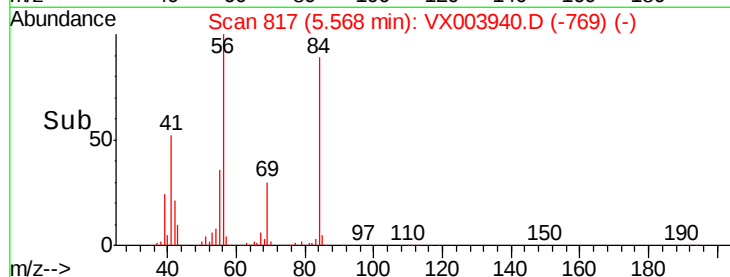
56 100

69 30.3 24.9 37.3

84 87.8 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: 52.11 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

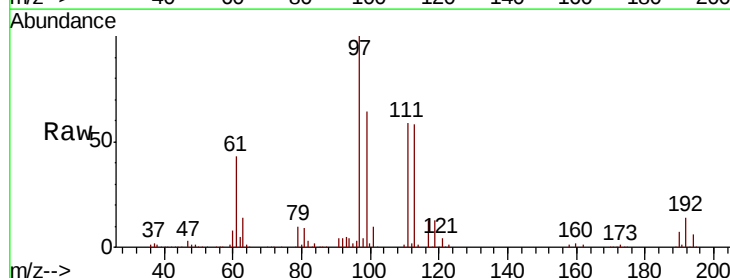
Tgt Ion: 97 Resp: 345629

Ion Ratio Lower Upper

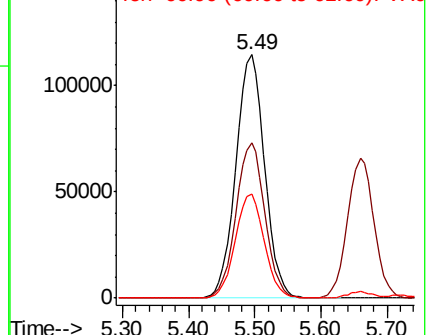
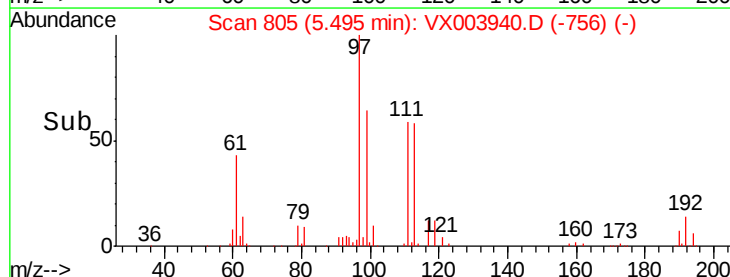
97 100

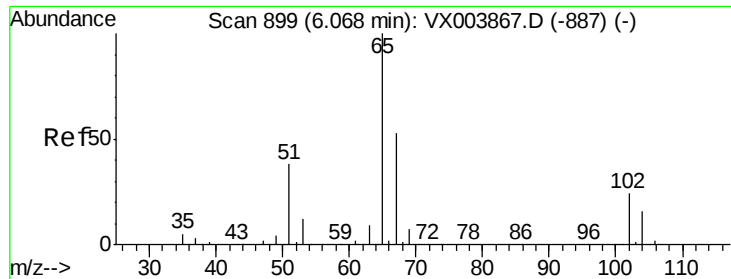
99 64.2 51.8 77.8

61 43.2 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

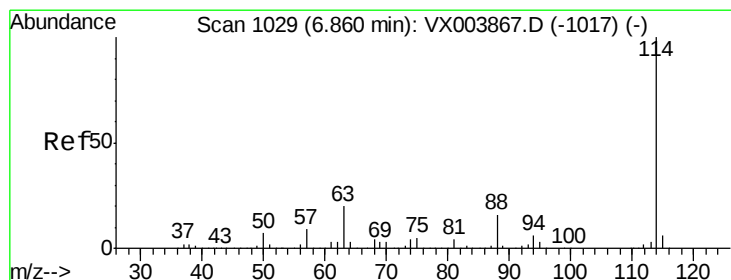
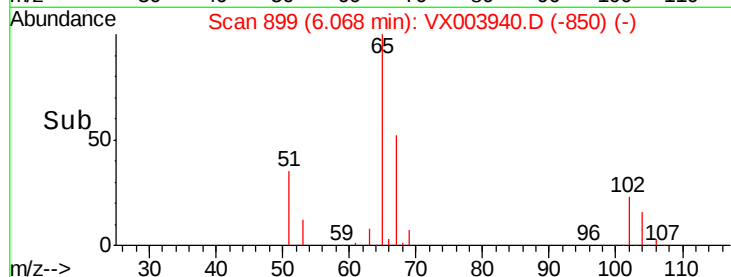
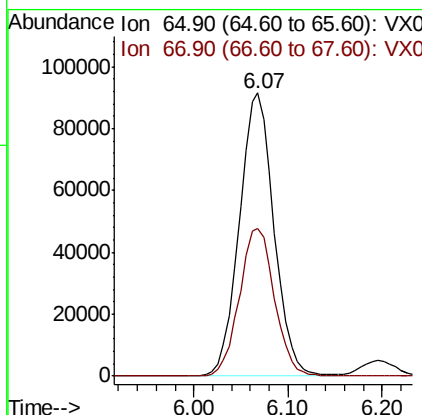
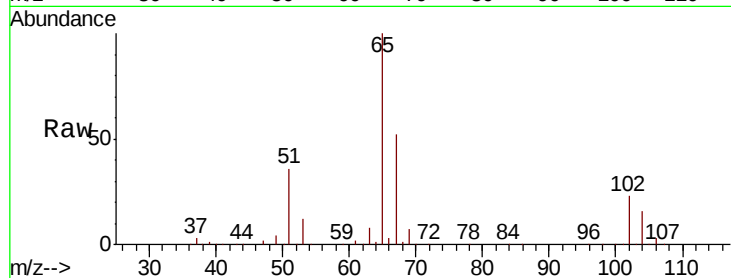




#33
 1,2-Dichloroethane-d4
 Concen: 47.67 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

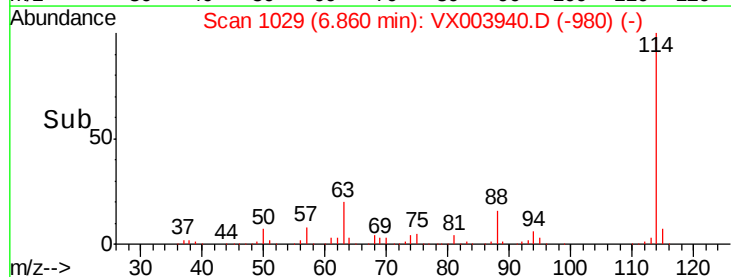
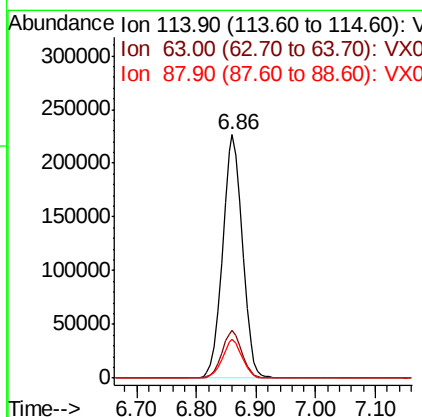
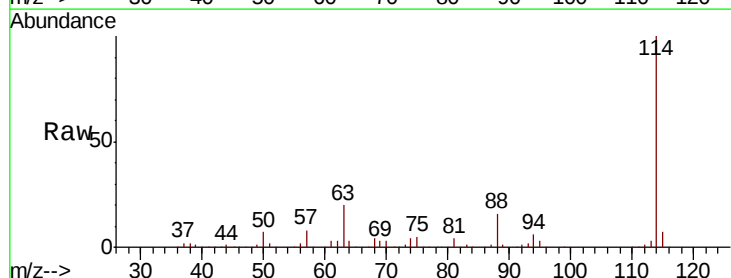
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

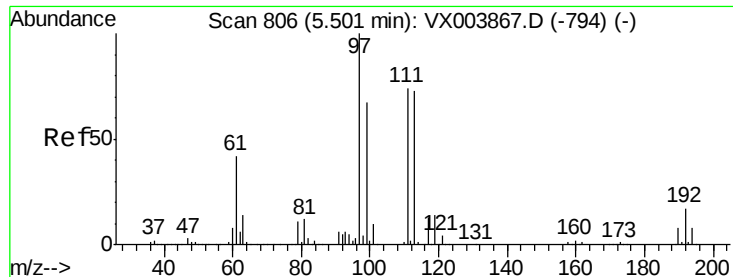
Tot Ion: 65 Resp: 234964
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Tgt Ion: 114 Resp: 524535
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.7 0.0 32.0

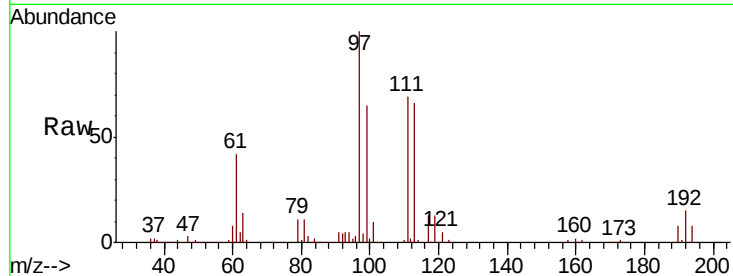




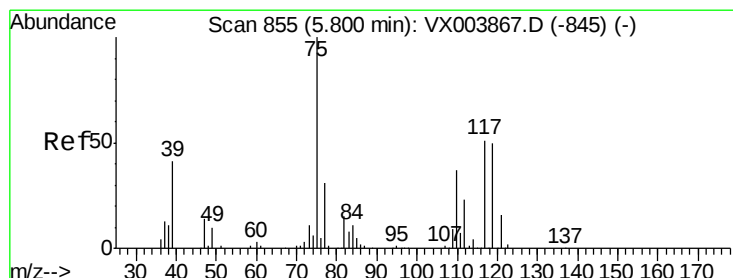
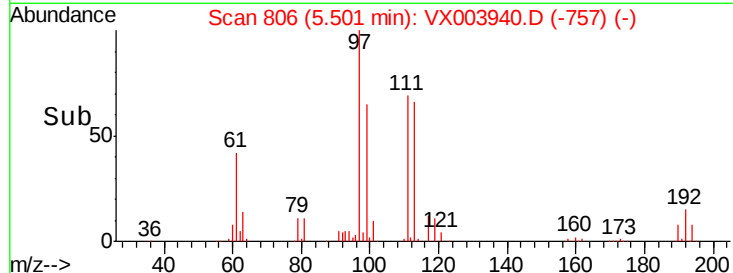
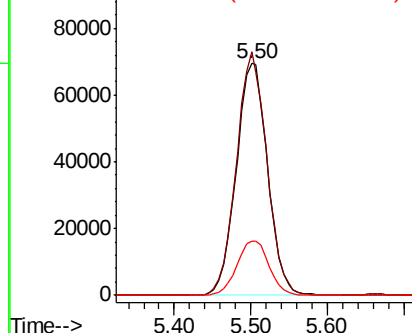
#35
 Dibromofluoromethane
 Concen: 49.74 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 197668
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.0 123.0
 192 24.0 19.0 28.4

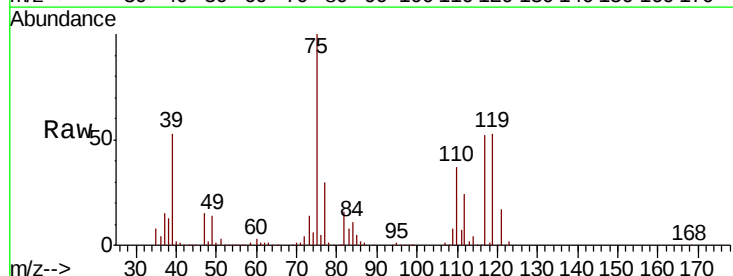


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

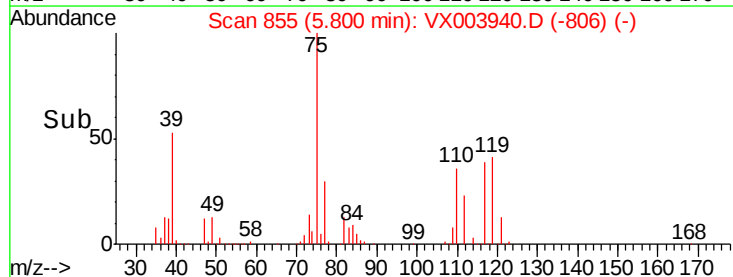
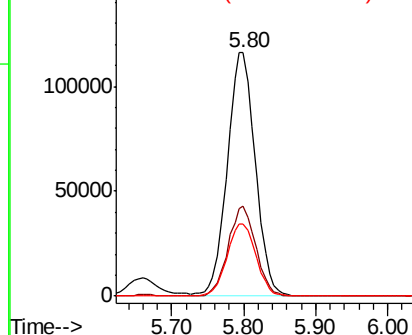


#36
 1,1-Dichloropropene
 Concen: 53.43 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Tgt Ion: 75 Resp: 313893
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.2 54.6
 77 30.5 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

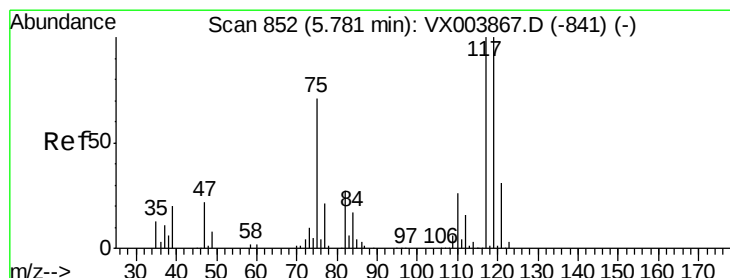
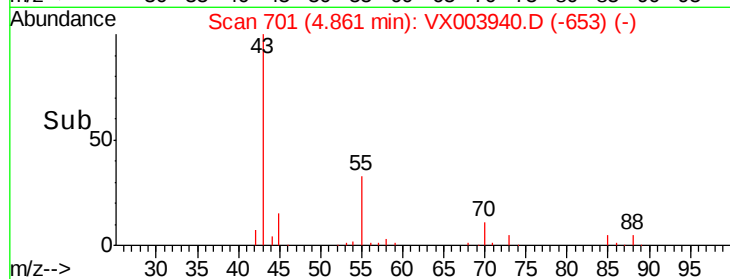
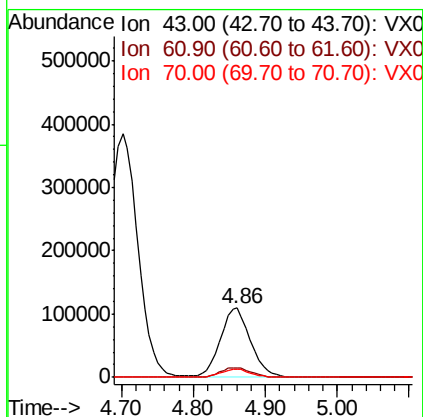
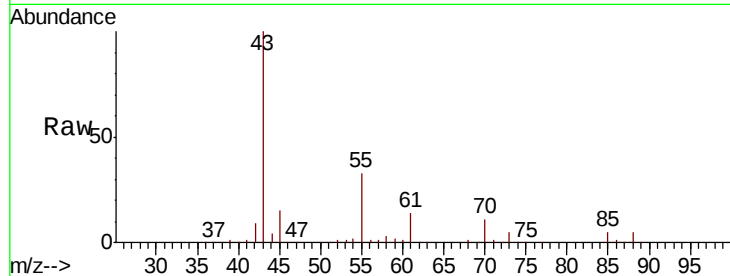




#37
Ethyl Acetate
Concen: 49.24 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

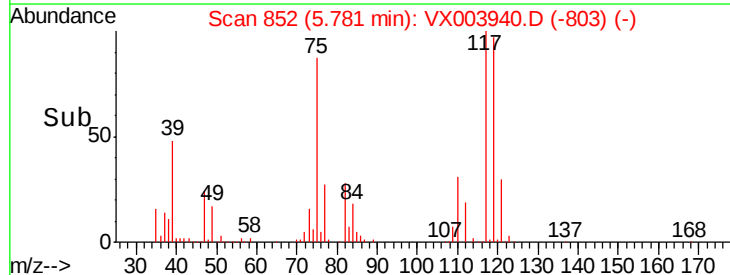
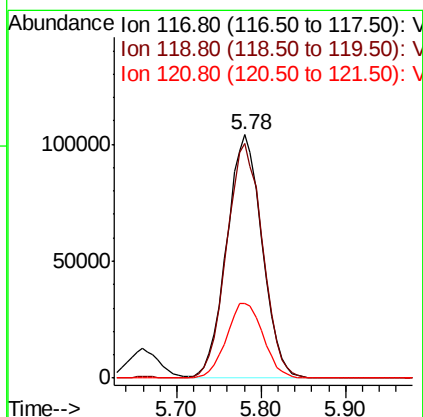
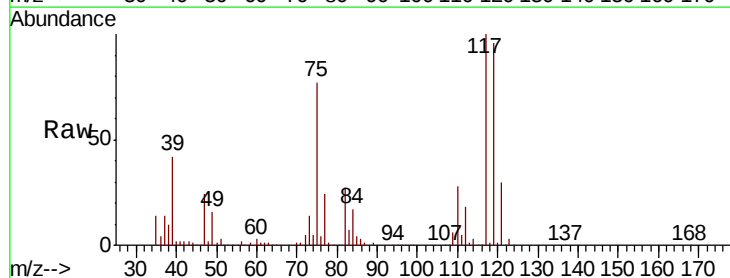
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

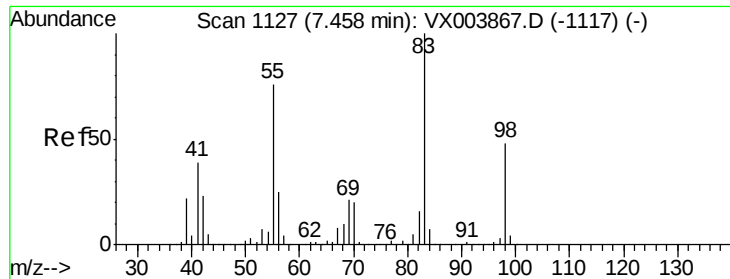
Tot Ion: 43 Resp: 318189
Ion Ratio Lower Upper
43 100
61 14.5 11.5 17.3
70 11.6 9.0 13.4



#38
Carbon Tetrachloride
Concen: 53.11 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion: 117 Resp: 296953
Ion Ratio Lower Upper
117 100
119 96.3 79.5 119.3
121 30.4 25.0 37.4

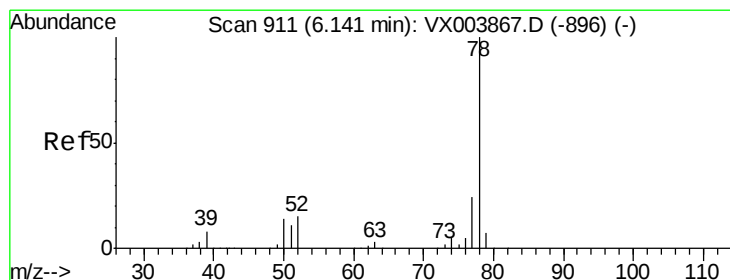
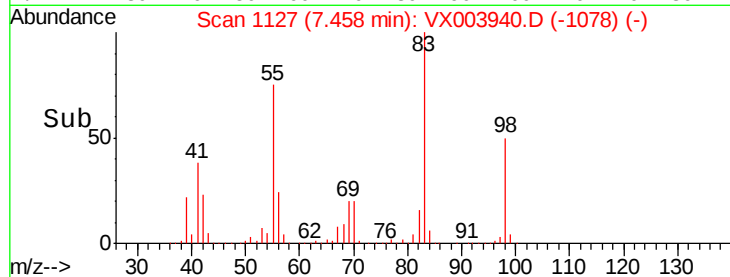
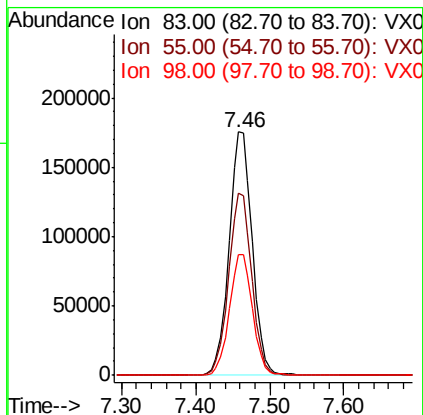
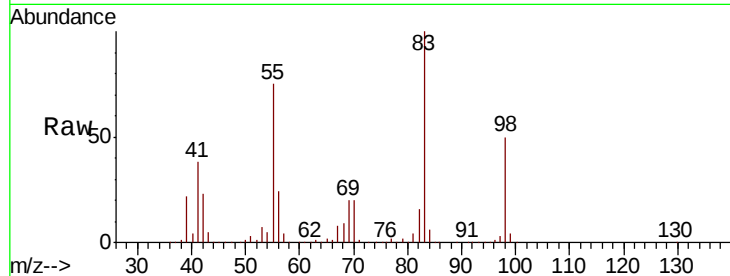




#39
Methvlcvclohexane
Concen: 55.11 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

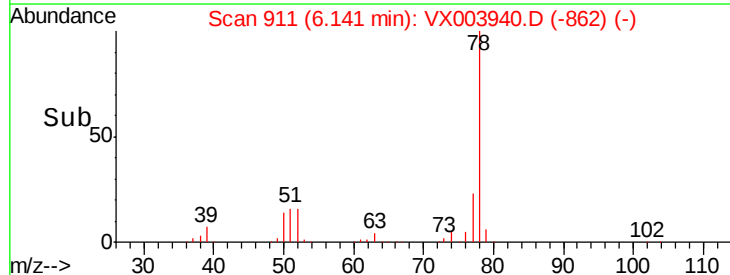
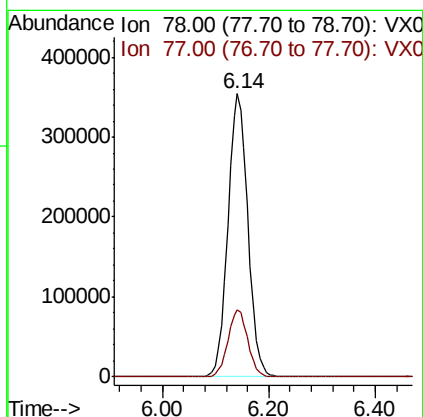
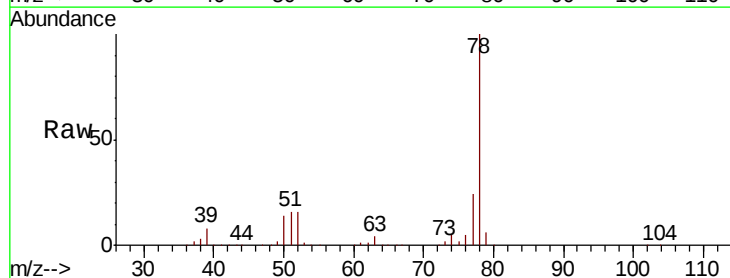
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

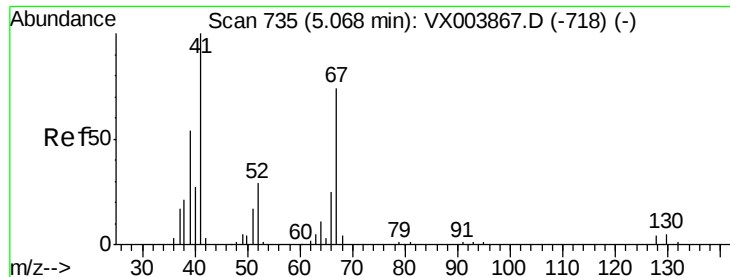
Tot Ion: 83 Resp: 381703
Ion Ratio Lower Upper
83 100
55 75.0 61.0 91.6
98 49.6 38.6 57.8



#40
Benzene
Concen: 52.50 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion: 78 Resp: 926088
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

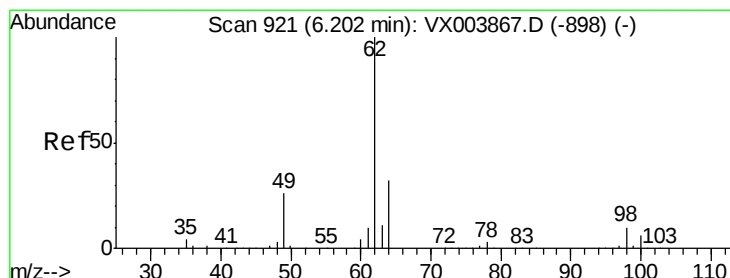
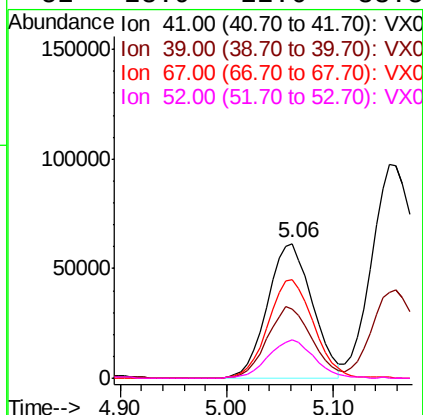
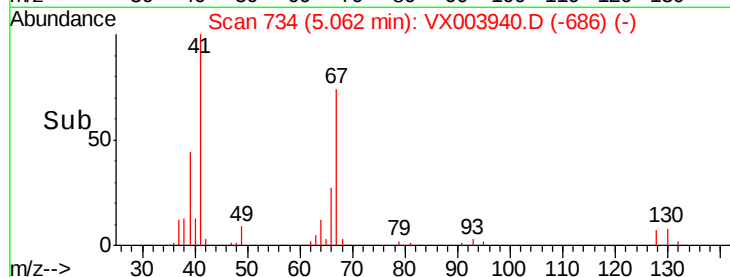
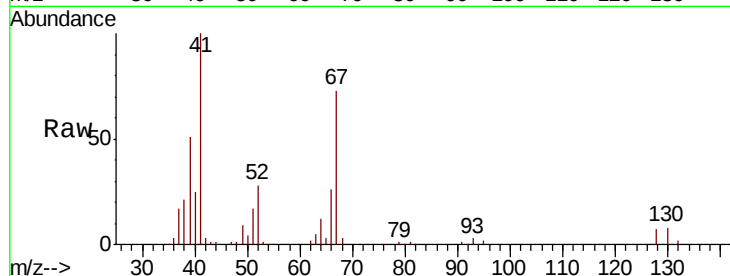




#41
Methacrylonitrile
Concen: 50.16 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

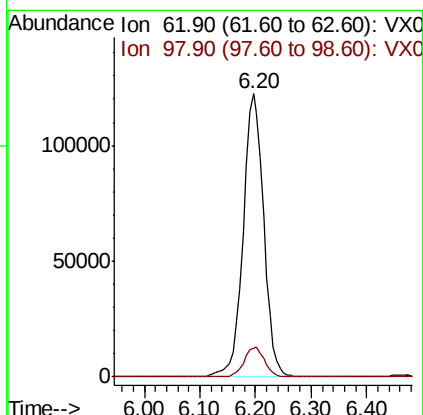
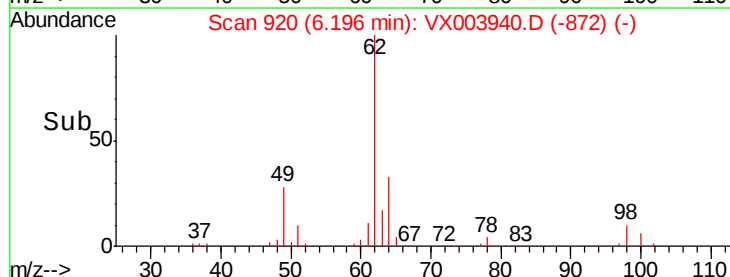
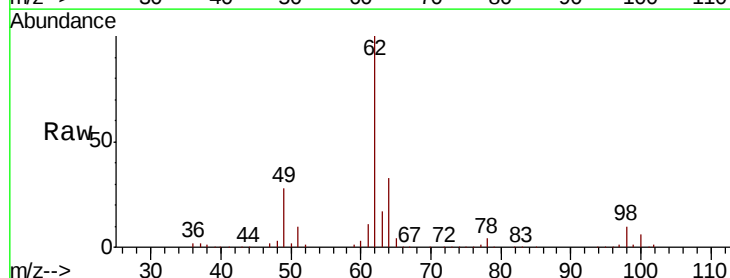
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

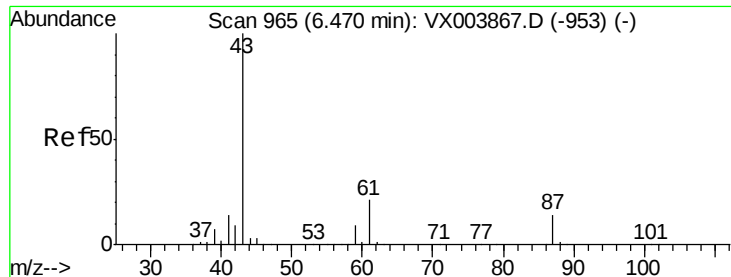
Tot Ion:	41	Resp:	178527
Ion	Ratio	Lower	Upper
41	100		
39	53.4	42.7	64.1
67	75.2	58.9	88.3
52	28.9	22.6	33.8



#42
1,2-Dichloroethane
Concen: 52.61 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion:	62	Resp:	313808
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.4





#43

Isopropyl Acetate

Concen: 52.34 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

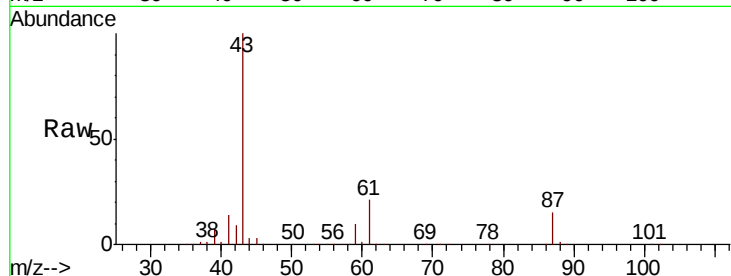
Tot Ion: 43 Resp: 509015

Ion Ratio Lower Upper

43 100

61 21.3 16.9 25.3

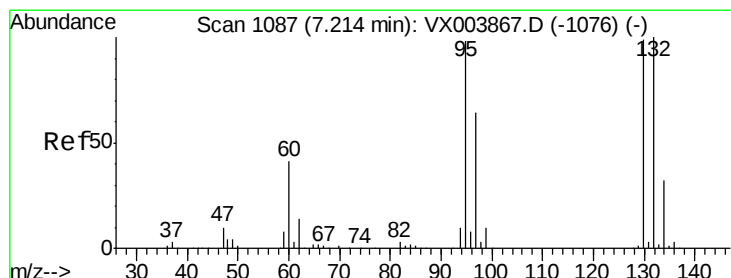
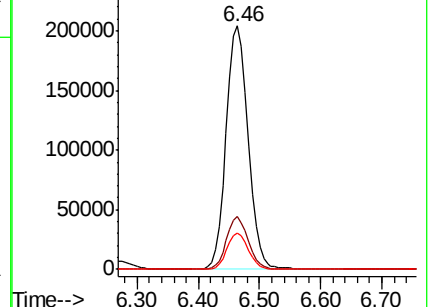
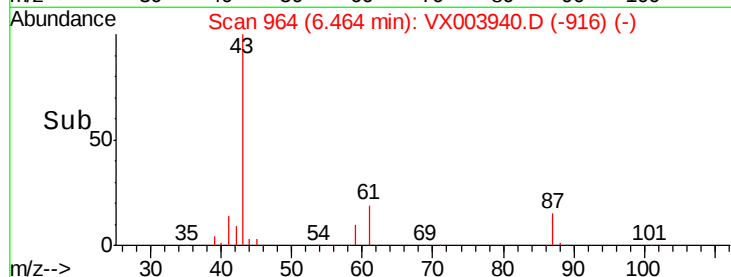
87 14.6 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VX003867.D (-953) (-)

Ion 61.00 (60.70 to 61.70): VX003867.D (-953) (-)

Ion 87.00 (86.70 to 87.70): VX003867.D (-953) (-)



#44

Trichloroethene

Concen: 52.35 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003940.D

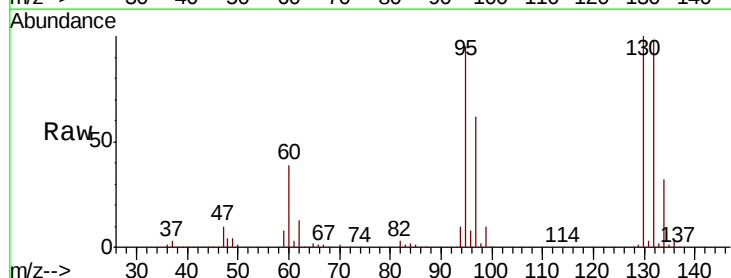
Acq: 09 Aug 2018 10:04

Tgt Ion:130 Resp: 252552

Ion Ratio Lower Upper

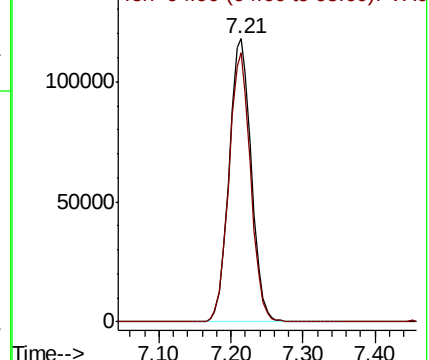
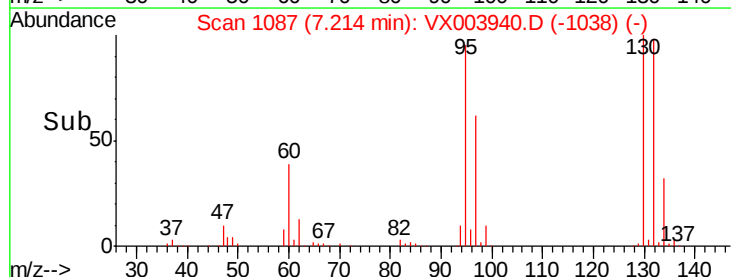
130 100

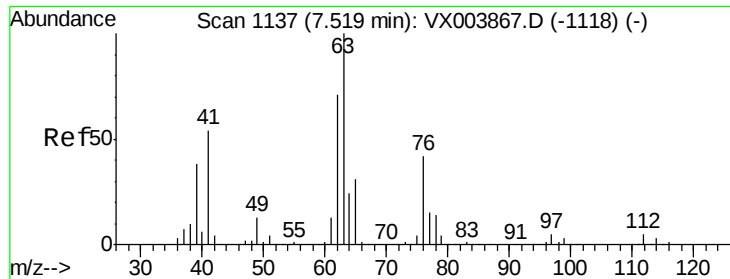
95 95.2 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): VX003867.D (-1076) (-)

Ion 94.90 (94.60 to 95.60): VX003867.D (-1076) (-)





#45

1,2-Dichloropropane

Concen: 52.28 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

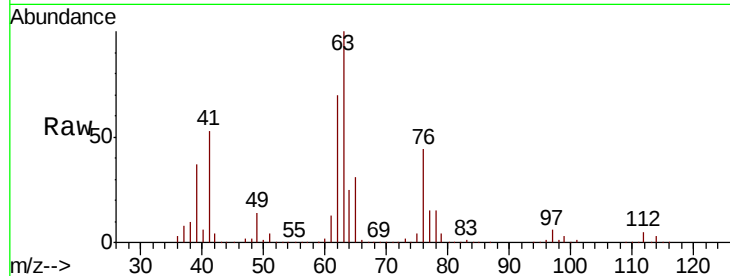
VSTDCCC050

Tot Ion: 63 Resp: 238139

Ion Ratio Lower Upper

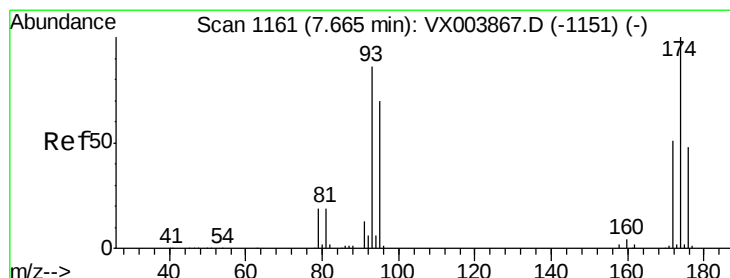
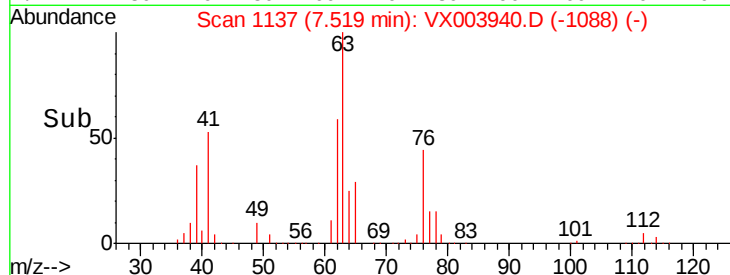
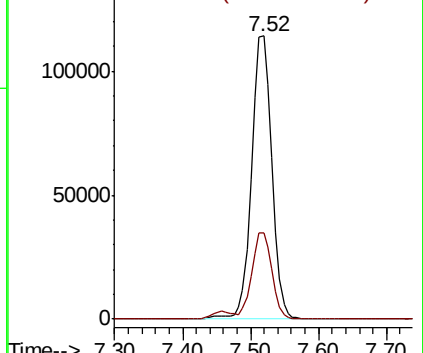
63 100

65 30.7 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.44 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

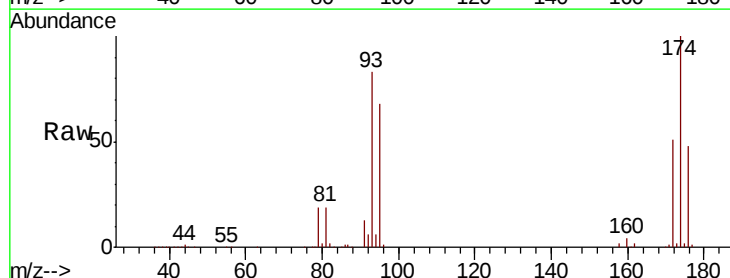
Tgt Ion: 93 Resp: 152136

Ion Ratio Lower Upper

93 100

95 83.8 66.4 99.6

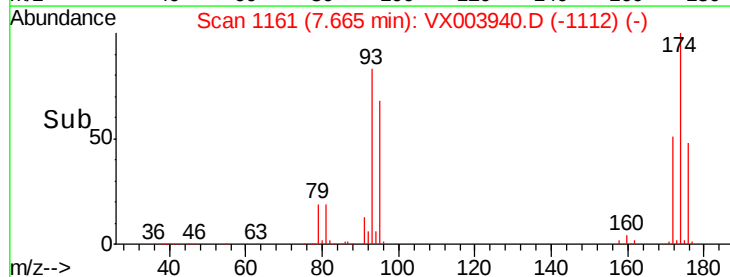
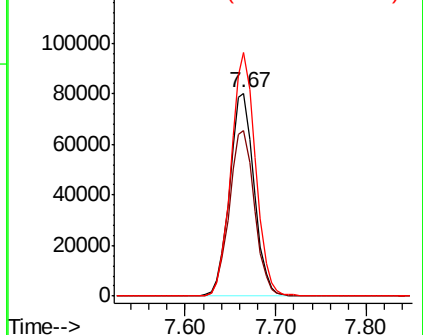
174 119.3 94.3 141.5

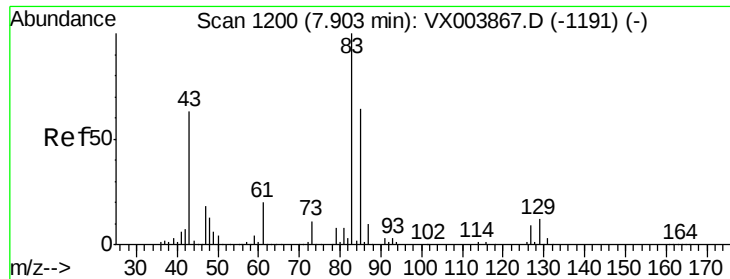


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.69 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

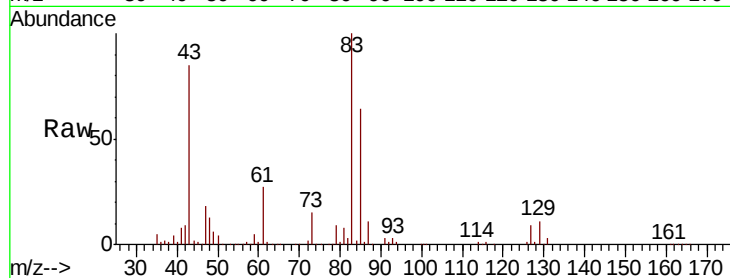
Tot Ion: 83 Resp: 299124

Ion Ratio Lower Upper

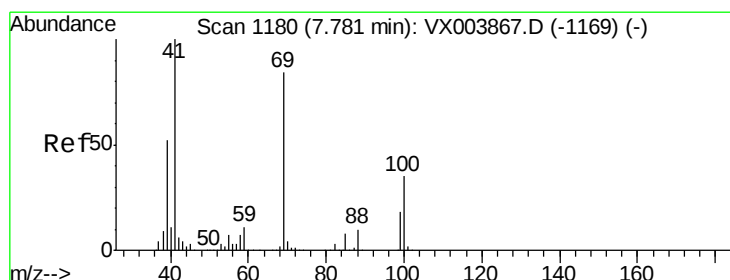
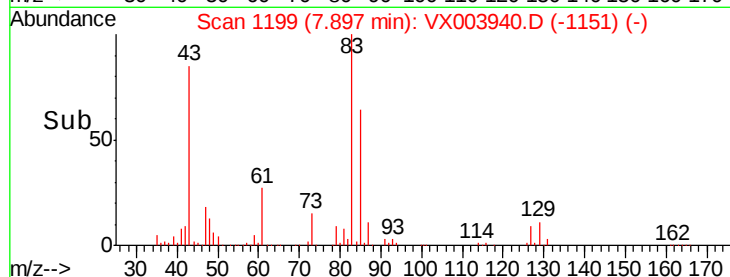
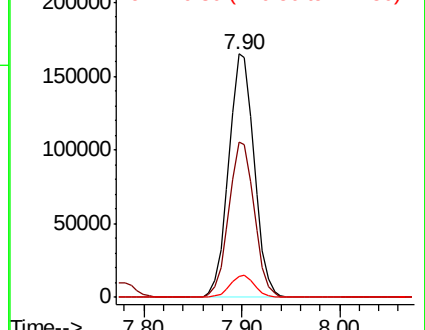
83 100

85 63.5 51.2 76.8

127 8.5 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: 52.96 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

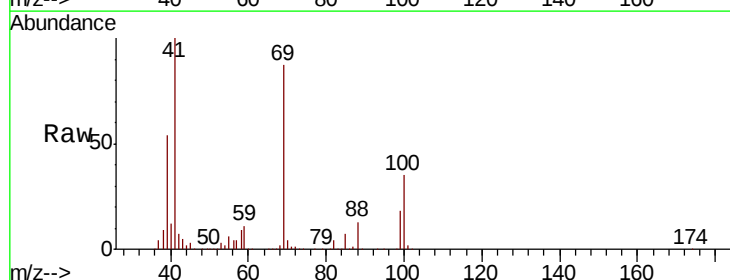
Tgt Ion: 41 Resp: 261789

Ion Ratio Lower Upper

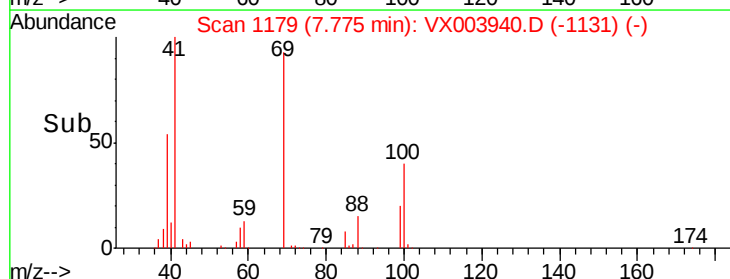
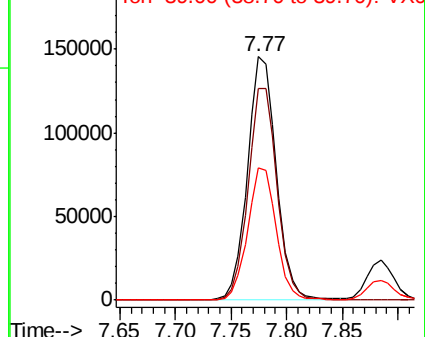
41 100

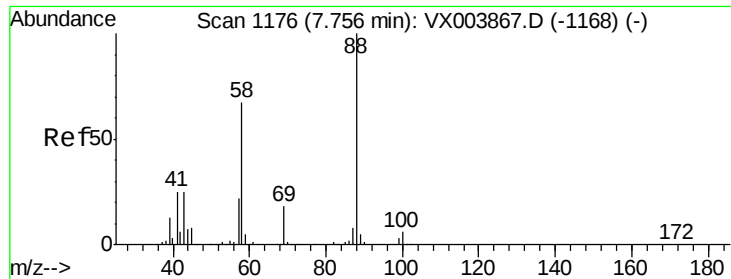
69 88.3 68.8 103.2

39 54.0 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: 990.83 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

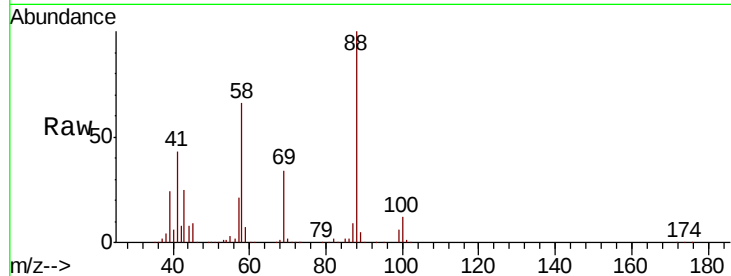
Tot Ion: 88 Resp: 115386

Ion Ratio Lower Upper

88 100

43 30.3 23.8 35.8

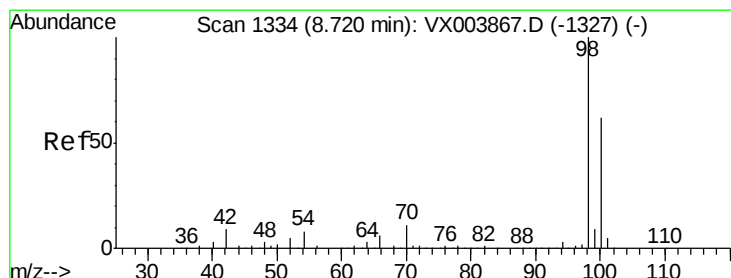
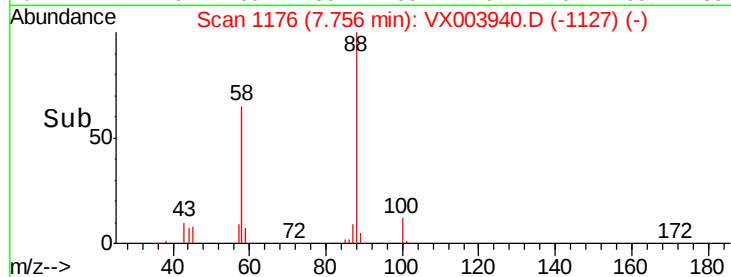
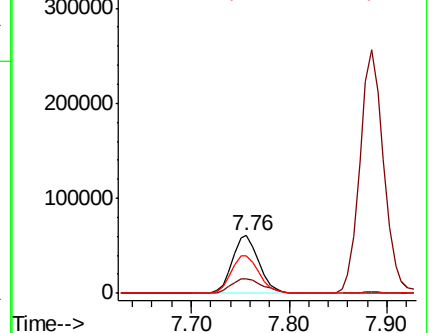
58 69.0 55.4 83.0



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: 49.53 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VX003940.D

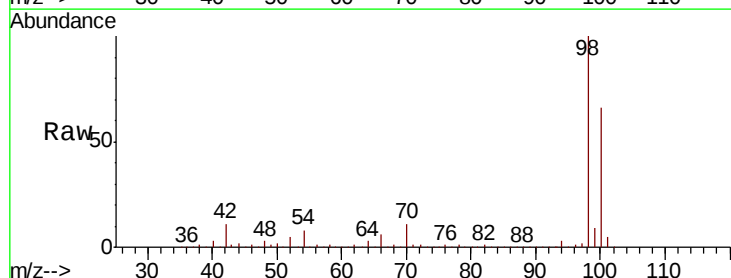
Acq: 09 Aug 2018 10:04

Tgt Ion: 98 Resp: 765457

Ion Ratio Lower Upper

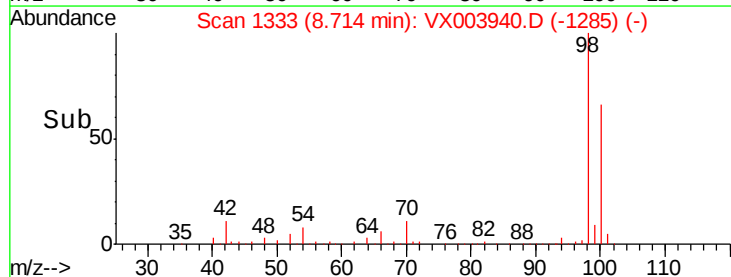
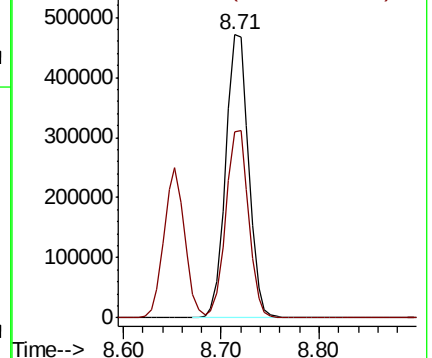
98 100

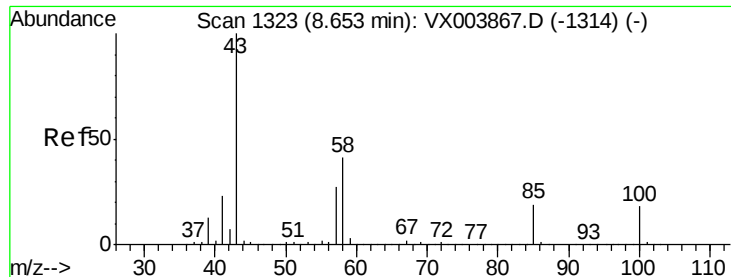
100 66.3 53.3 79.9



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: 256.12 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

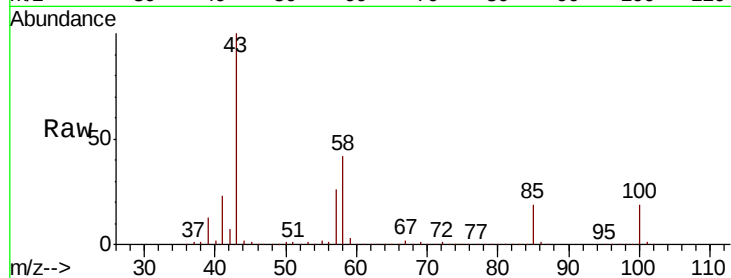
VSTDCCC050

Tot Ion: 43 Resp: 2064524

Ion Ratio Lower Upper

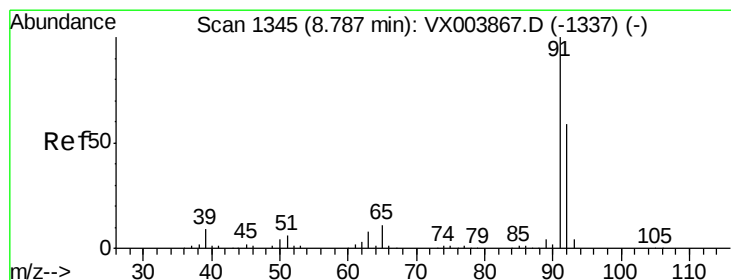
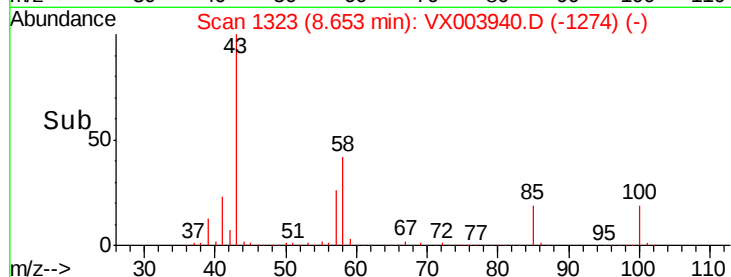
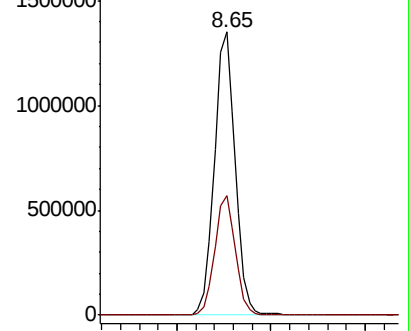
43 100

58 41.8 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: 53.90 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003940.D

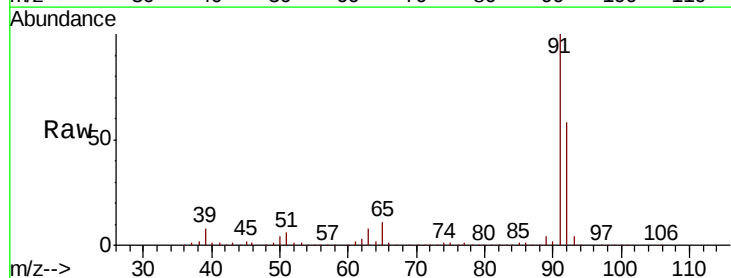
Acq: 09 Aug 2018 10:04

Tgt Ion: 92 Resp: 600760

Ion Ratio Lower Upper

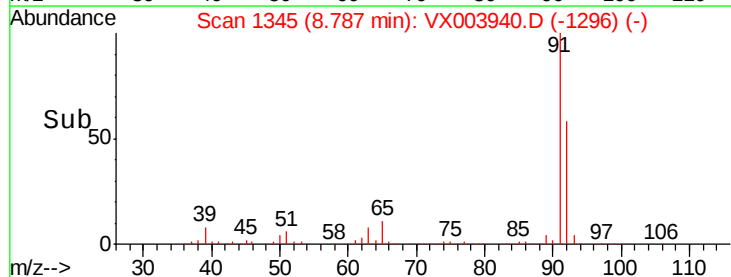
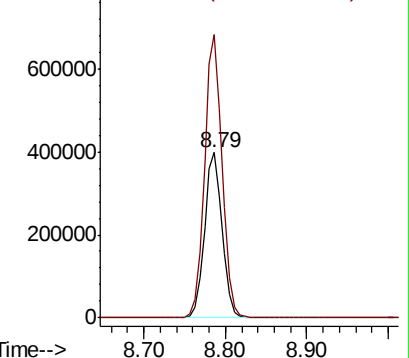
92 100

91 170.9 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

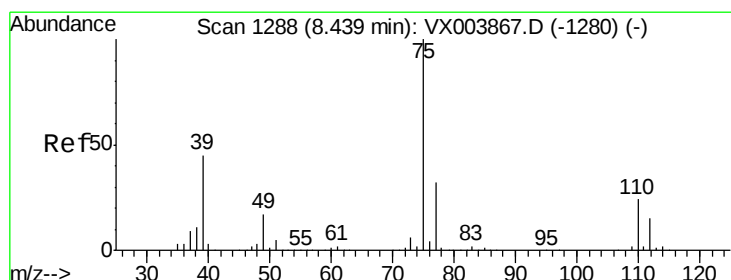
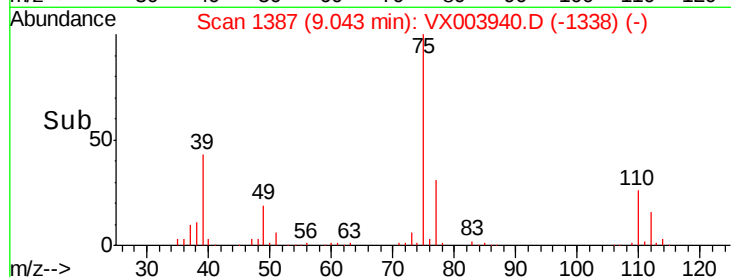
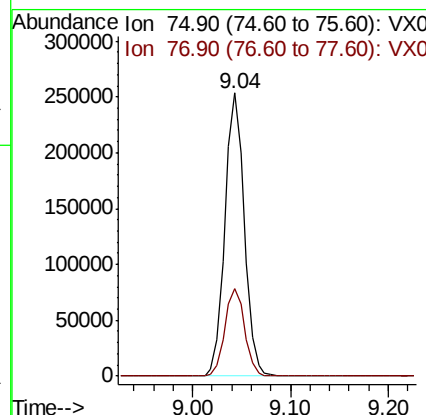
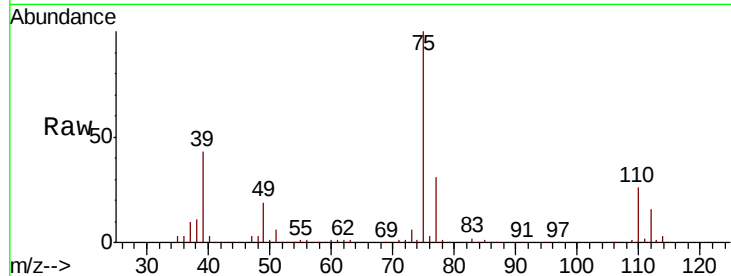




#53
t-1,3-Dichloropropene
Concen: 55.42 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

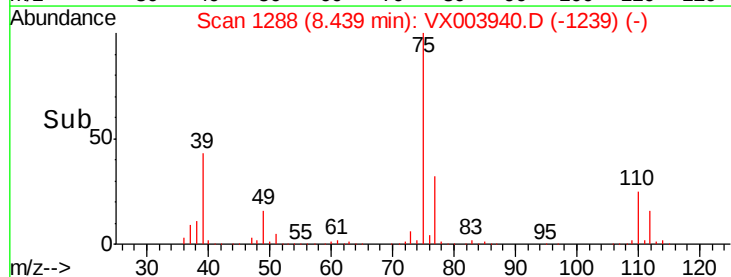
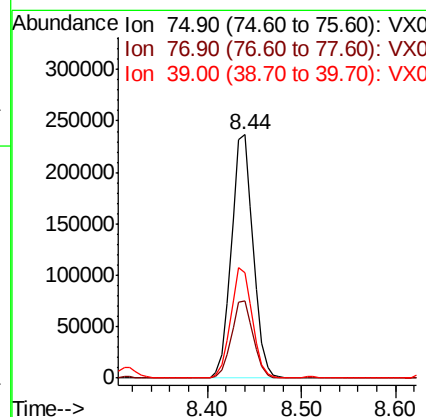
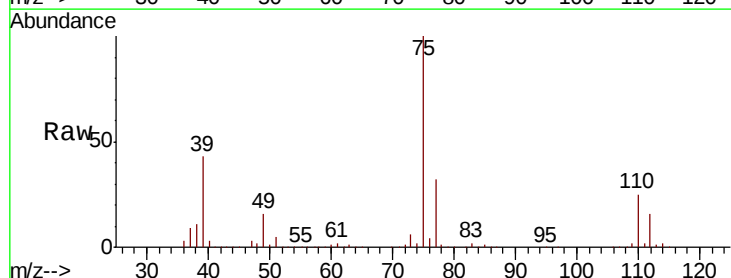
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

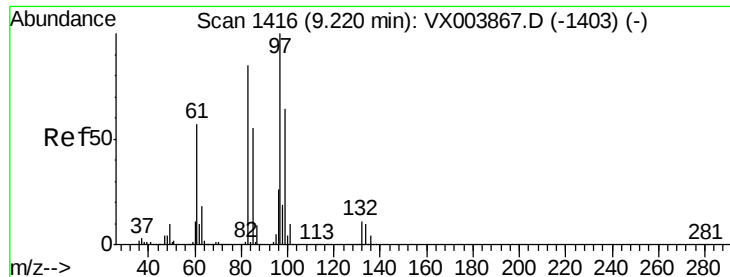
Tot Ion: 75 Resp: 348981
Ion Ratio Lower Upper
75 100
77 30.7 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 55.57 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion: 75 Resp: 377317
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9
39 43.0 36.2 54.2

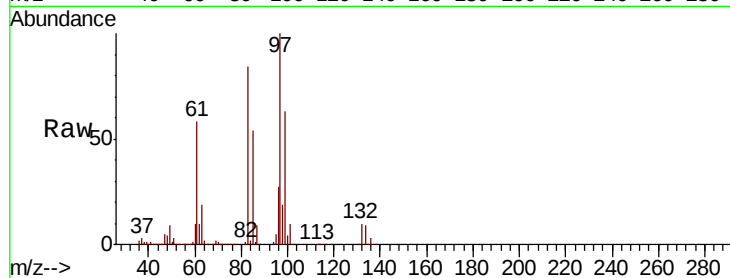




#55
 1,1,2-Trichloroethane
 Concen: 51.95 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	236636
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.8	101.6
85	54.2	44.2	66.2
99	62.9	50.8	76.2



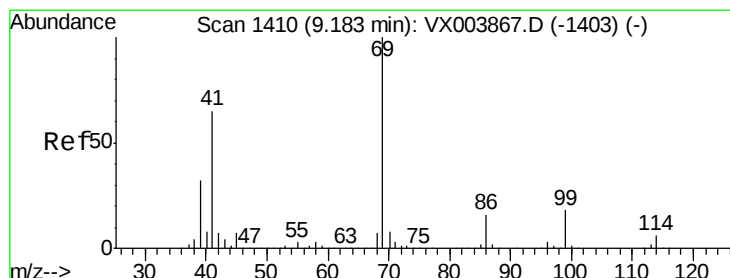
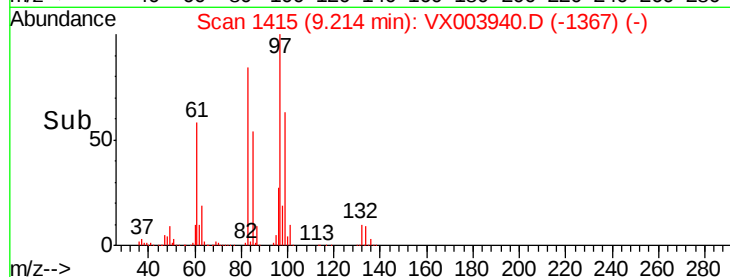
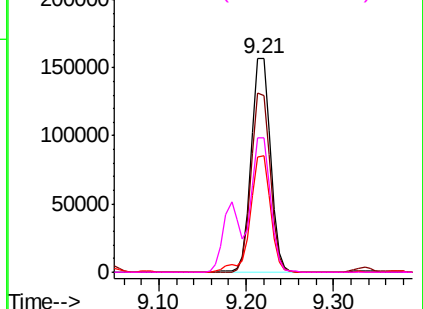
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

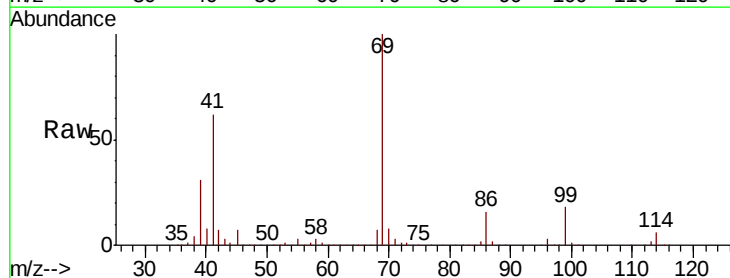
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 55.81 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Tgt Ion:	69	Resp:	368847
Ion	Ratio	Lower	Upper
69	100		
41	62.6	50.6	76.0
39	32.1	25.8	38.6

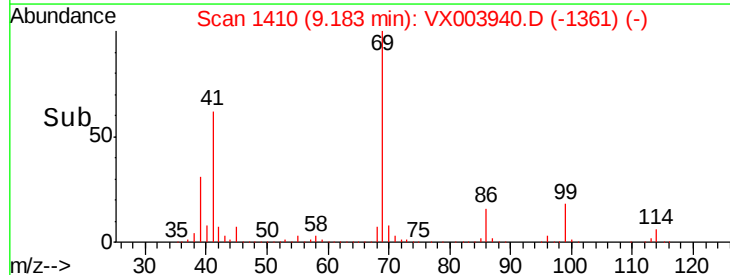
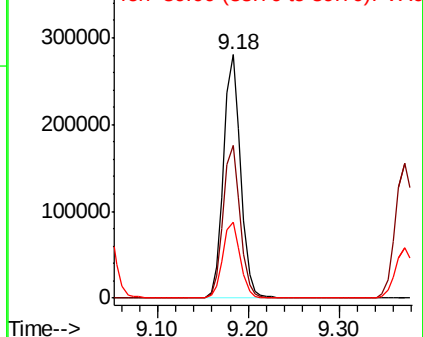


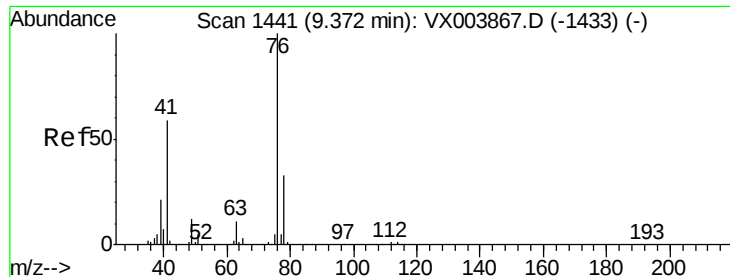
Abundance

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: 52.37 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

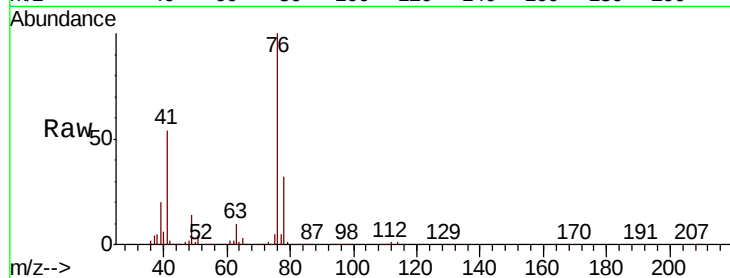
VSTDCCC050

Tot Ion: 76 Resp: 399230

Ion Ratio Lower Upper

76 100

78 32.0 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

300000

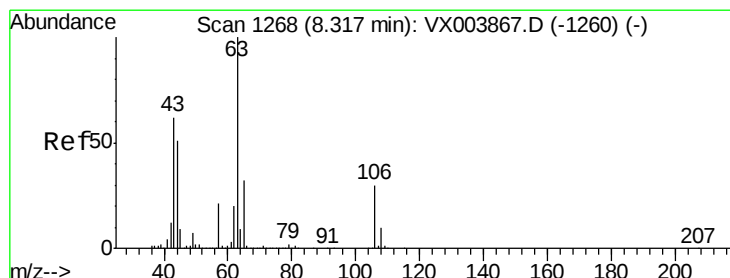
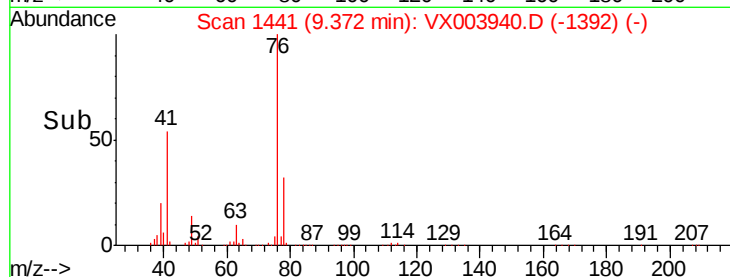
200000

100000

0

Time-->

9.30 9.40 9.50



#58

2-Chloroethyl Vinyl ether

Concen: 253.70 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003940.D

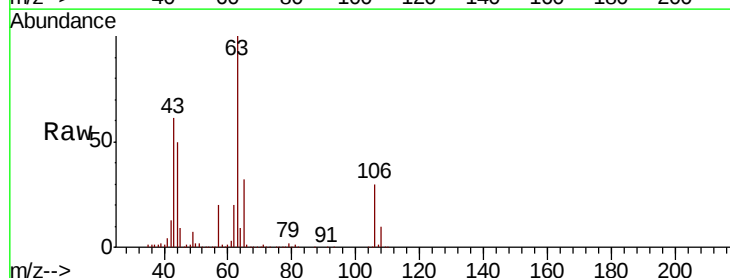
Acq: 09 Aug 2018 10:04

Tgt Ion: 63 Resp: 824429

Ion Ratio Lower Upper

63 100

106 30.1 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

600000

500000

400000

300000

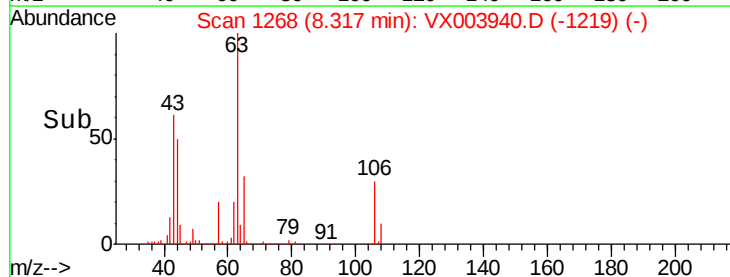
200000

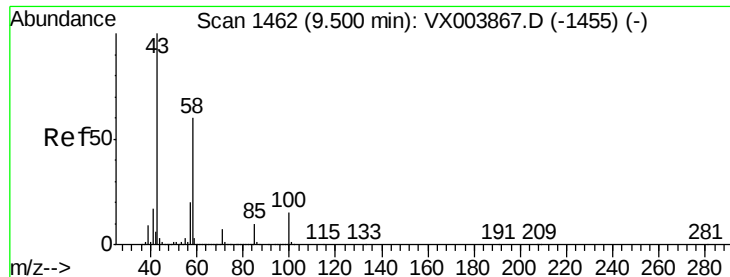
100000

0

Time-->

8.25 8.30 8.35 8.40 8.45

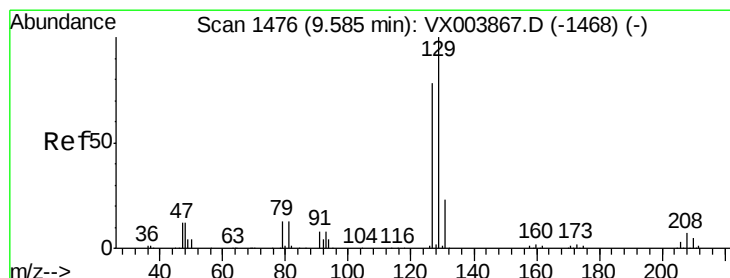
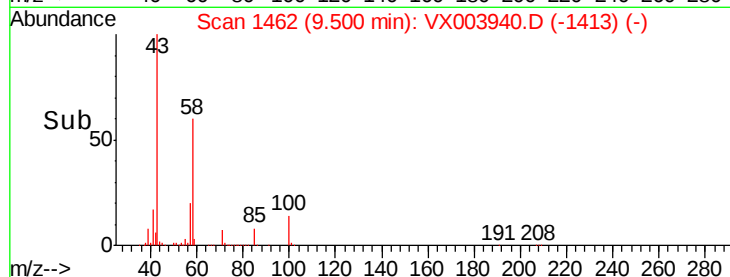
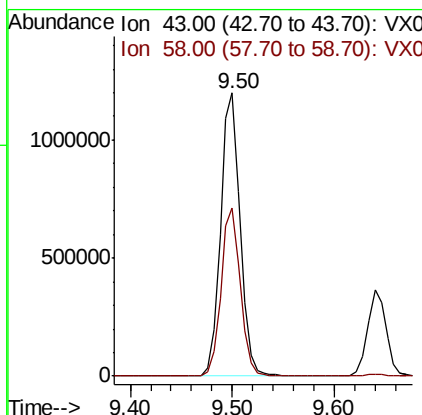
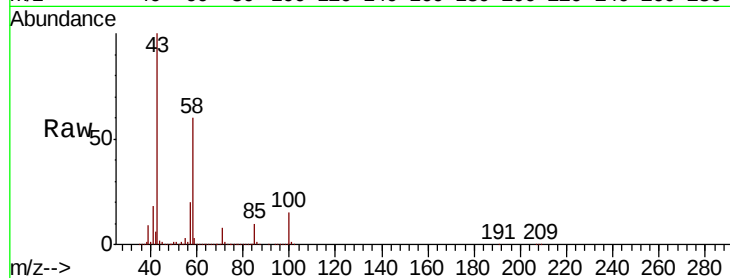




#59
2-Hexanone
Concen: 265.84 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

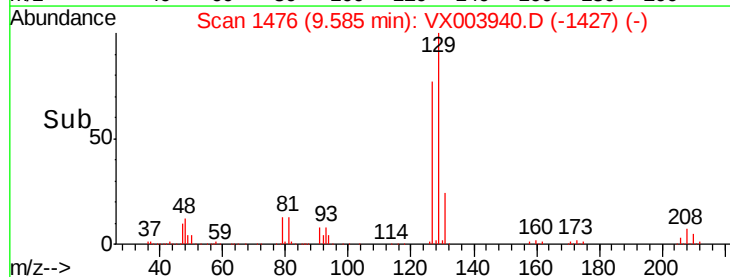
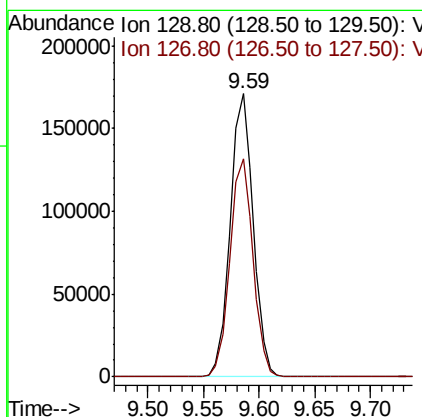
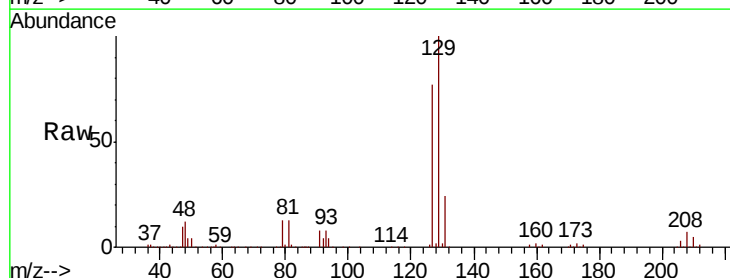
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

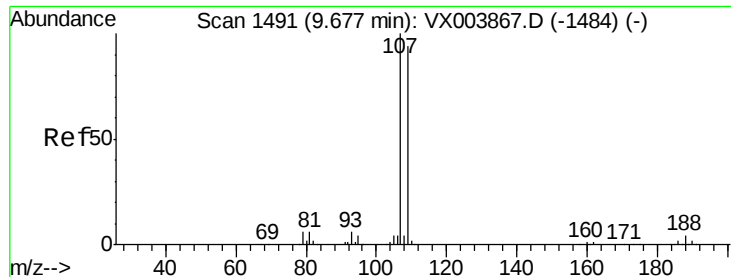
Tot Ion: 43 Resp: 1601817
Ion Ratio Lower Upper
43 100
58 58.7 29.0 87.0



#60
Dibromochloromethane
Concen: 57.35 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion: 129 Resp: 243538
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3





#61

1,2-Dibromoethane

Concen: 54.28 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

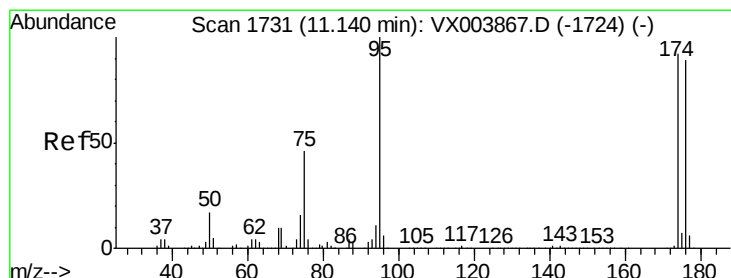
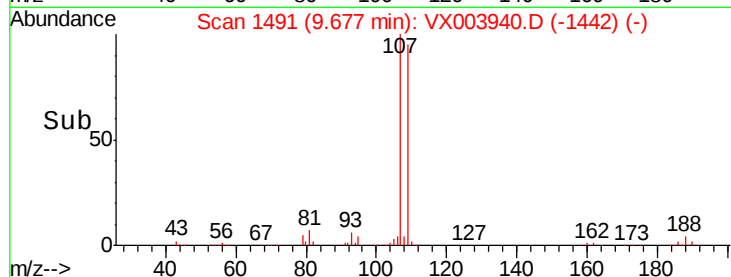
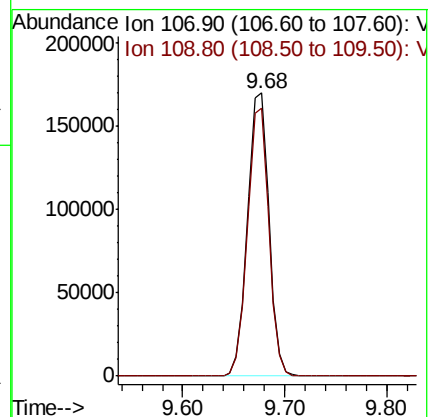
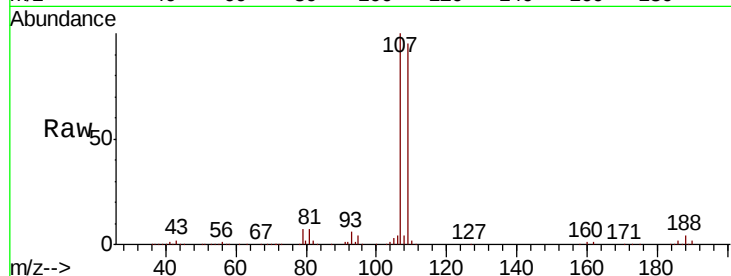
VSTDCCC050

Tot Ion:107 Resp: 247541

Ion Ratio Lower Upper

107 100

109 94.4 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 58.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

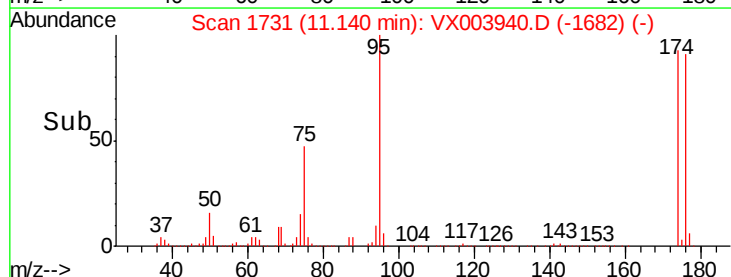
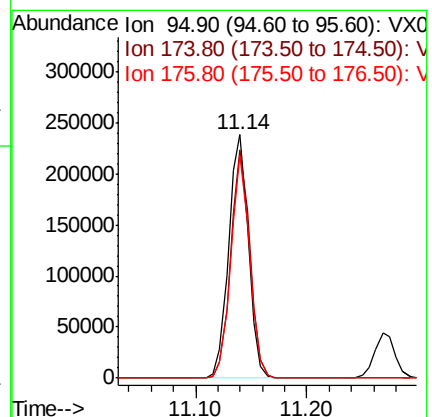
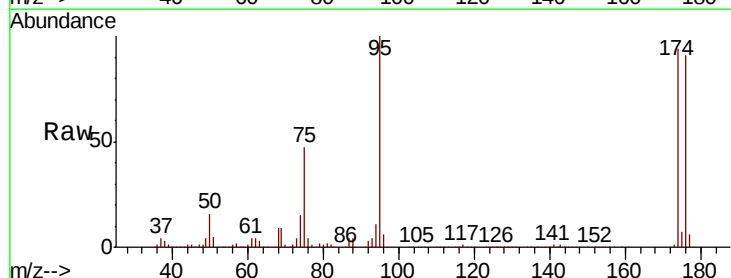
Tgt Ion: 95 Resp: 291332

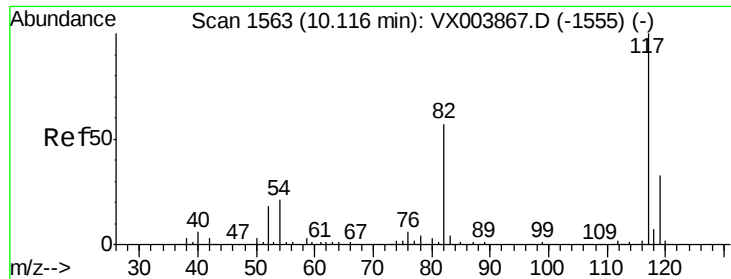
Ion Ratio Lower Upper

95 100

174 91.2 0.0 182.8

176 87.3 0.0 179.0

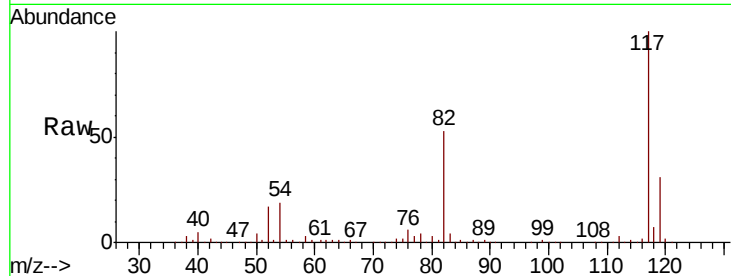




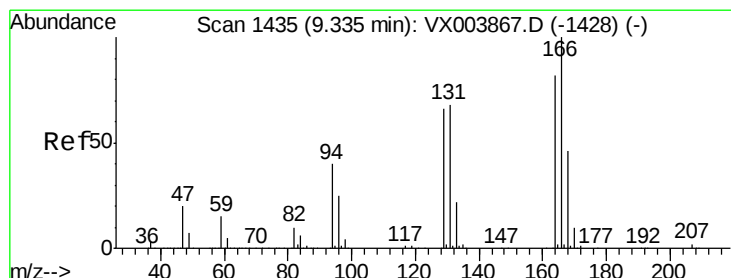
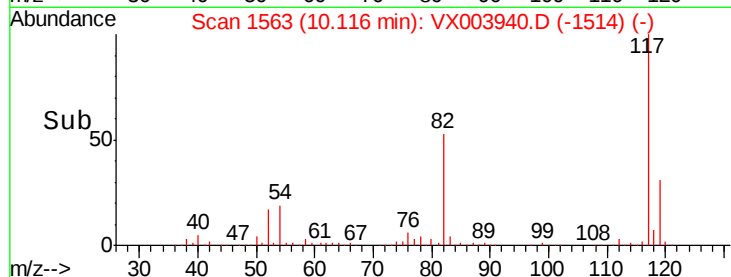
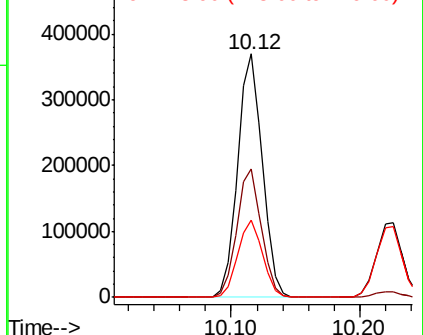
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 491508
Ion Ratio Lower Upper
117 100
82 52.6 45.4 68.0
119 31.5 26.6 40.0

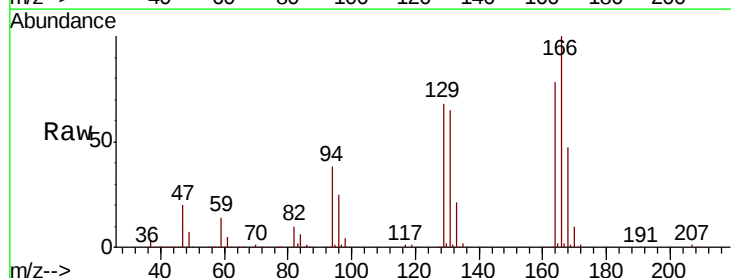


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

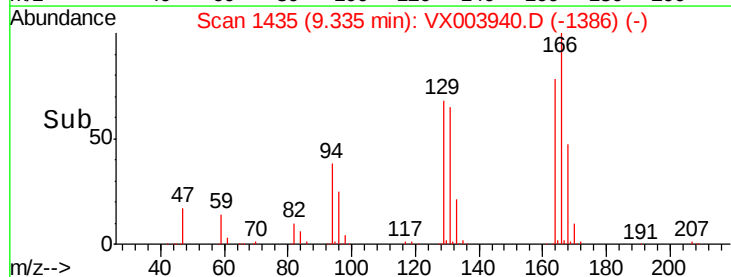
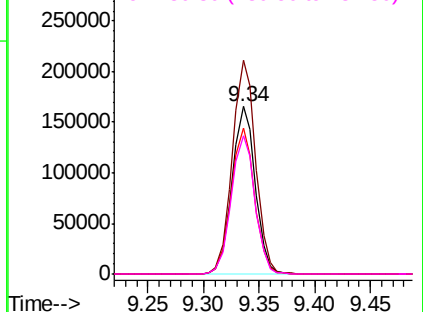


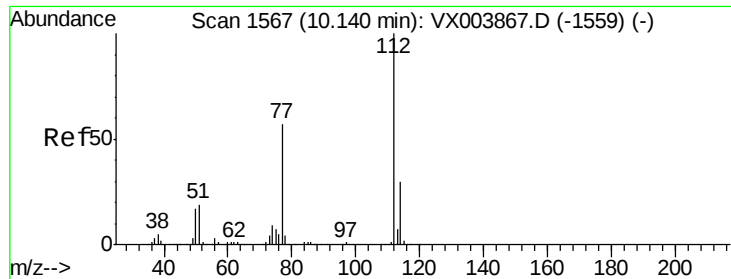
#64
Tetrachloroethene
Concen: 49.41 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion:164 Resp: 238920
Ion Ratio Lower Upper
164 100
166 127.4 98.0 147.0
129 87.2 64.3 96.5
131 82.5 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 51.55 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

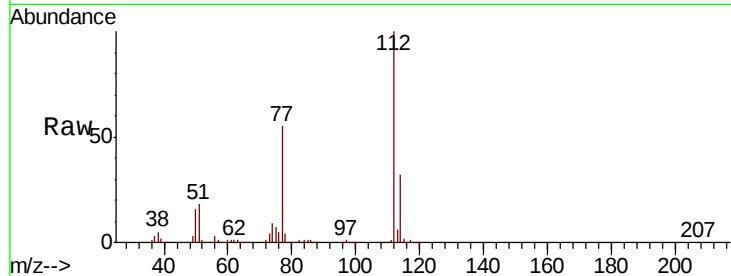
VSTDCCC050

Tot Ion:112 Resp: 659301

Ion Ratio Lower Upper

112 100

114 31.7 23.6 35.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

600000

500000

400000

300000

200000

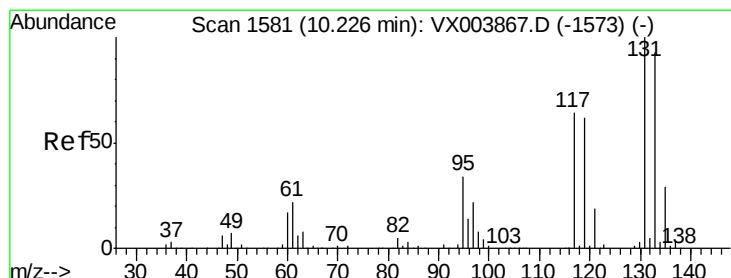
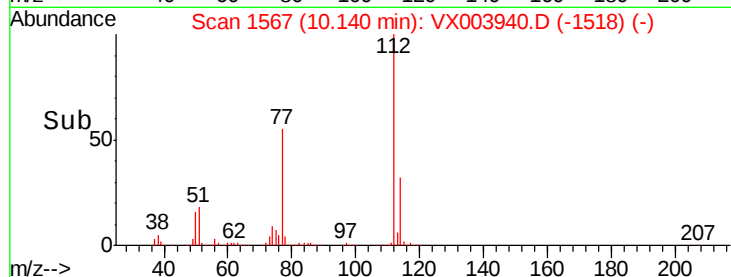
100000

0

10.10

10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.34 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

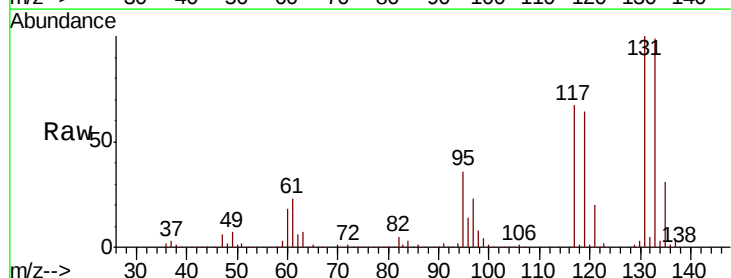
Tgt Ion:131 Resp: 234514

Ion Ratio Lower Upper

131 100

133 95.6 47.3 141.8

119 64.3 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

200000

150000

100000

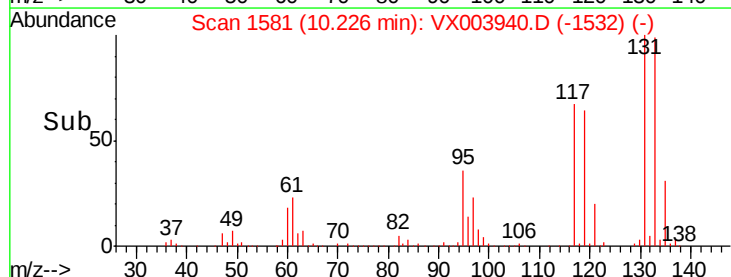
50000

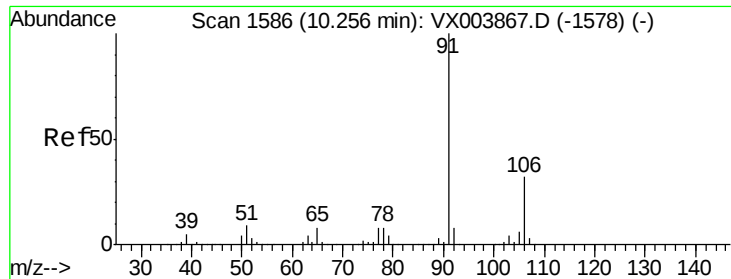
0

10.20

10.30

Time-->

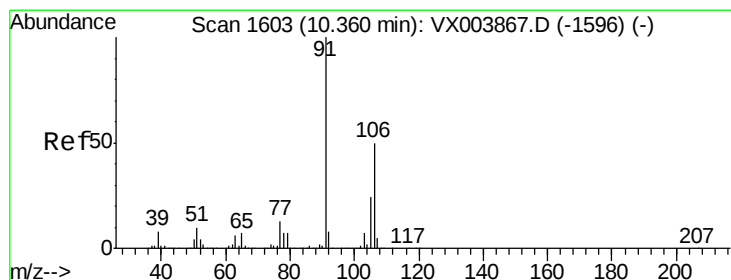
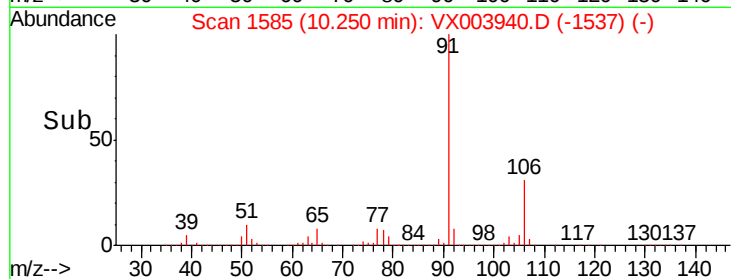
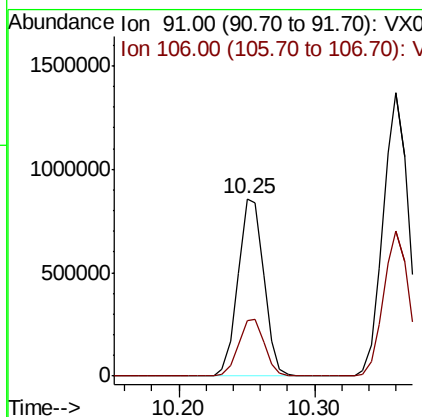
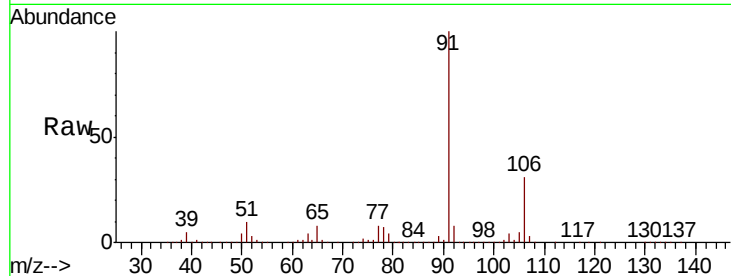




#67
Ethyl Benzene
Concen: 54.16 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

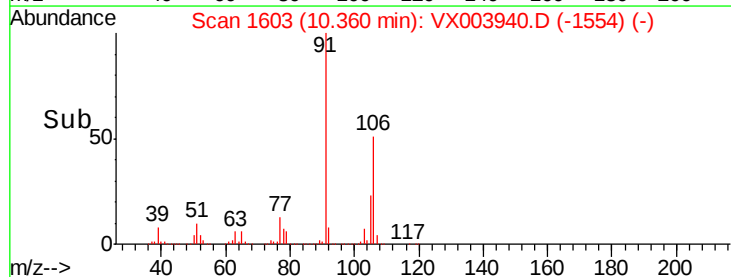
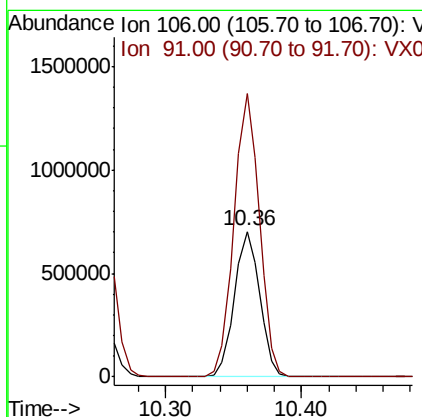
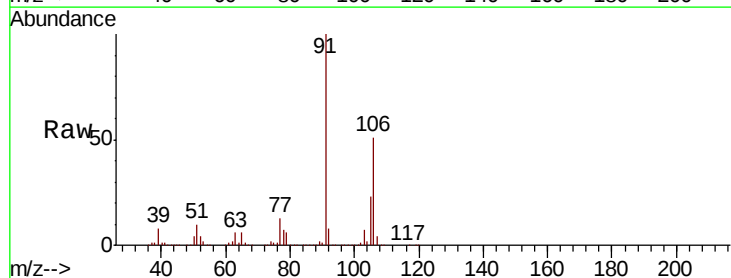
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

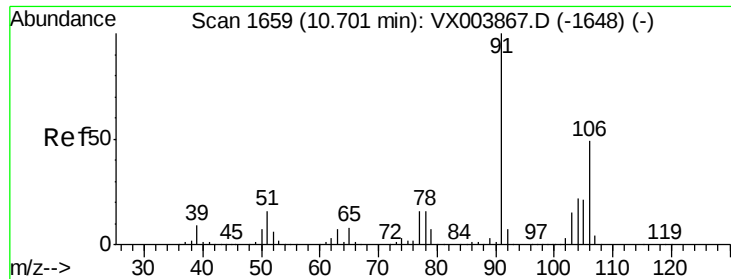
Tot Ion: 91 Resp: 1133891
Ion Ratio Lower Upper
91 100
106 31.1 25.9 38.9



#68
m/p-Xylenes
Concen: 111.23 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion: 106 Resp: 909935
Ion Ratio Lower Upper
106 100
91 195.9 162.3 243.5

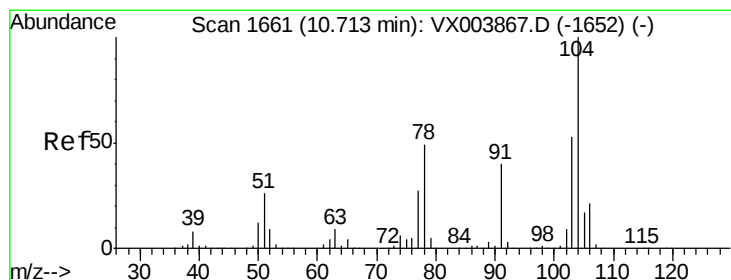
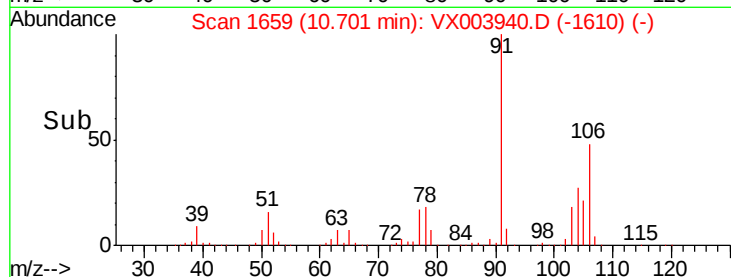
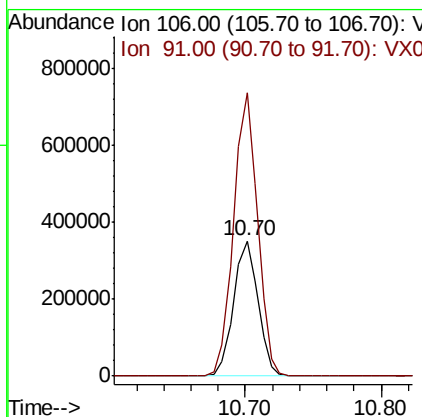
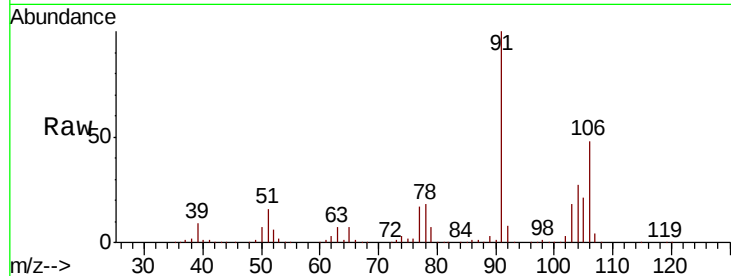




#69
o-Xylene
Concen: 56.81 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

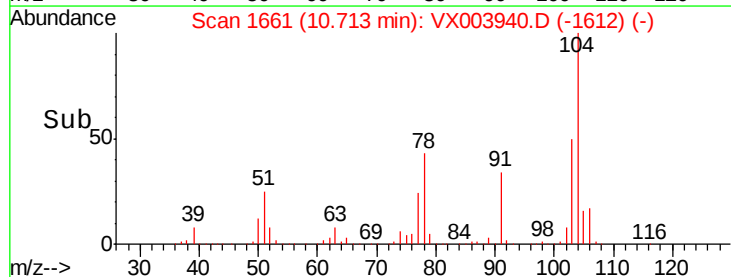
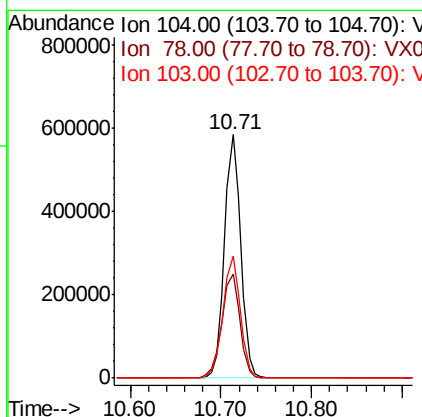
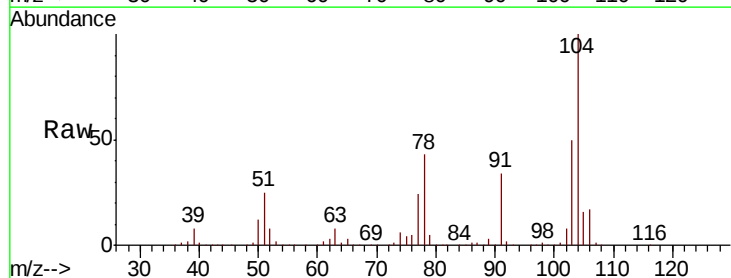
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 438728
Ion Ratio Lower Upper
106 100
91 205.9 101.9 305.7



#70
Styrene
Concen: 57.80 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion:104 Resp: 730795
Ion Ratio Lower Upper
104 100
78 47.9 39.8 59.6
103 54.0 44.3 66.5





#71

Bromoform

Concen: 51.22 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

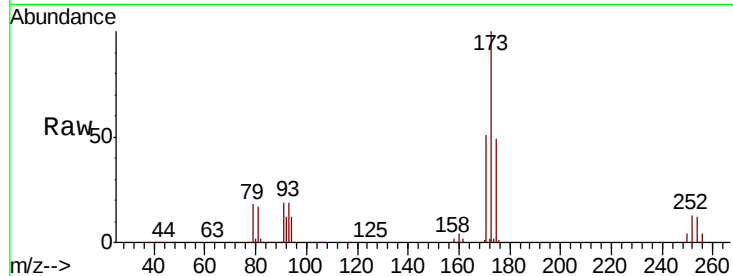
Tot Ion:173 Resp: 191217

Ion Ratio Lower Upper

173 100

175 48.9 24.9 74.7

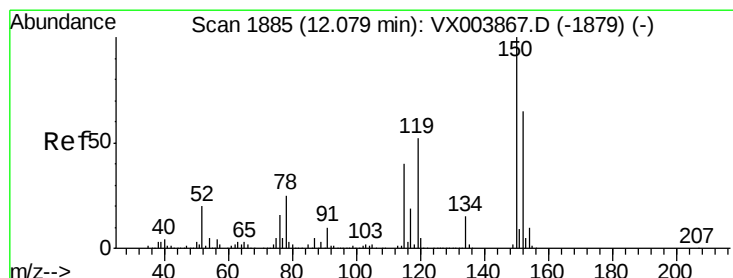
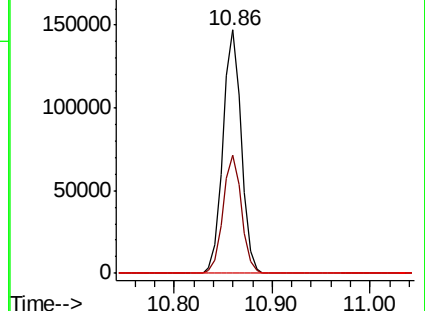
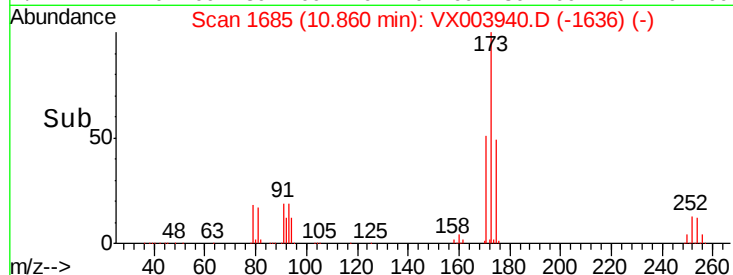
254 0.2 0.2 0.2



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: VX003940.D

Acq: 09 Aug 2018 10:04

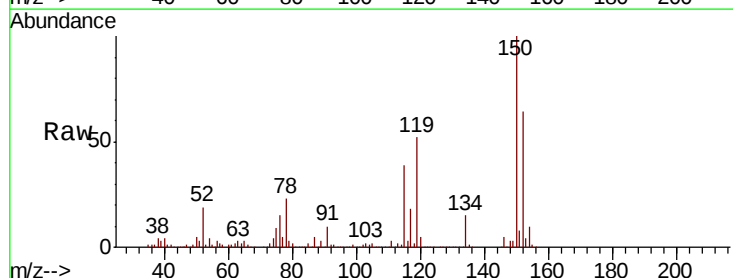
Tgt Ion:152 Resp: 304994

Ion Ratio Lower Upper

152 100

115 79.0 39.1 117.3

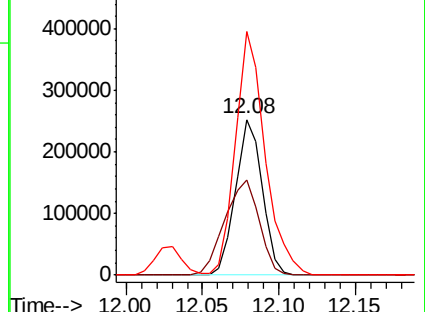
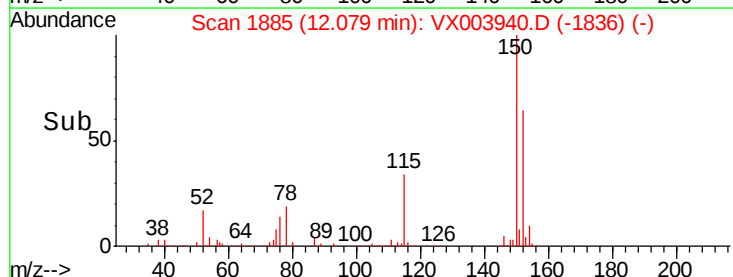
150 174.3 0.0 349.2



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: 51.94 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampled :

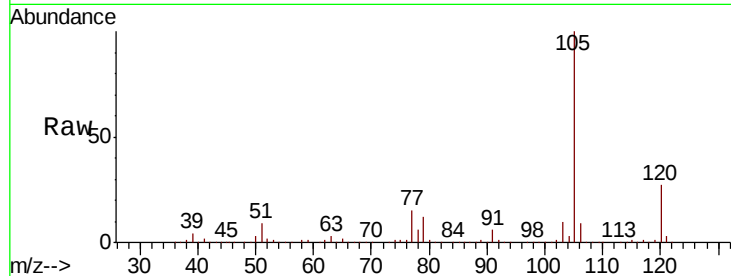
VSTDCCC050

Tot Ion:105 Resp: 1171971

Ion Ratio Lower Upper

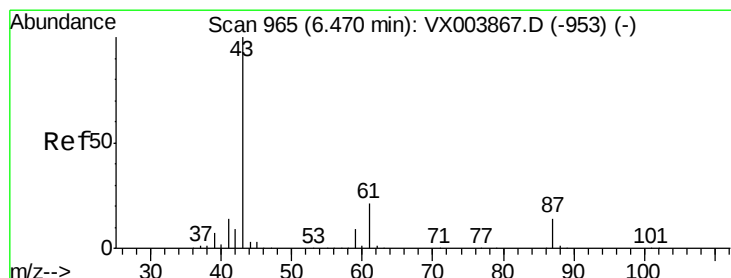
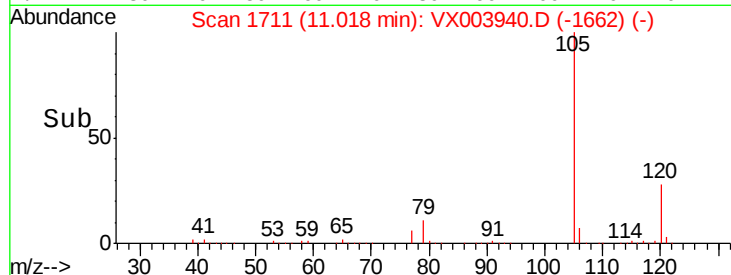
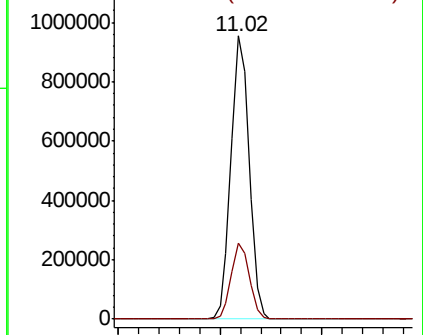
105 100

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



#74

N-ethyl acetate

Concen: 43.38 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Tgt Ion: 43 Resp: 509015

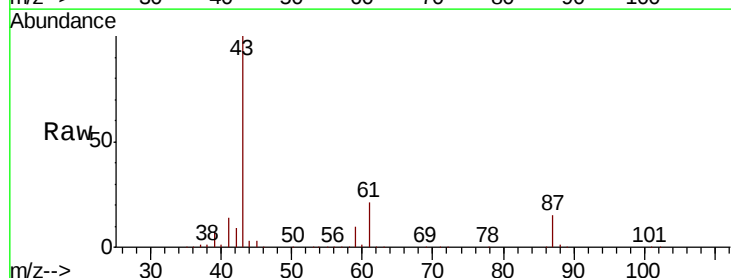
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.1 0.1

61 21.3 16.9 25.3

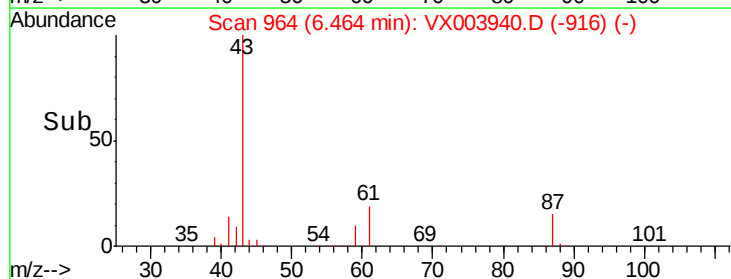
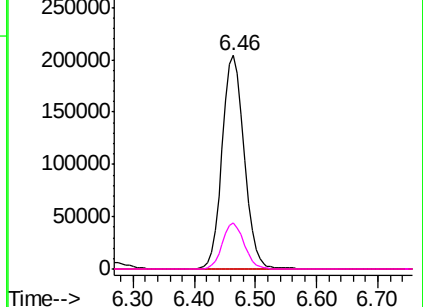


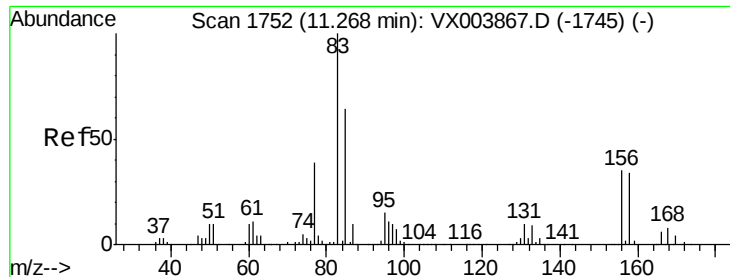
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 47.75 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

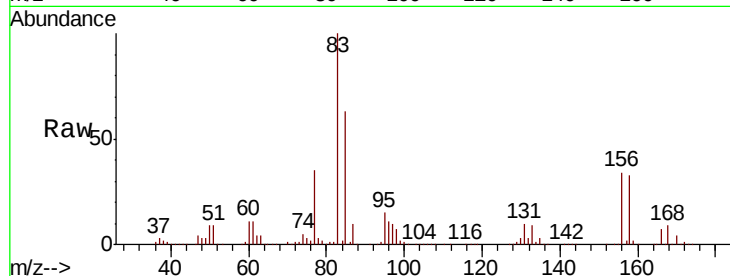
Tot Ion: 83 Resp: 369275

Ion Ratio Lower Upper

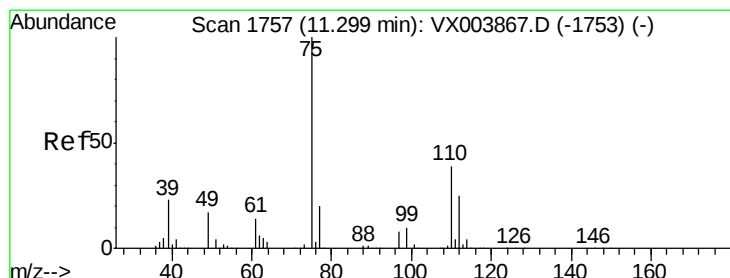
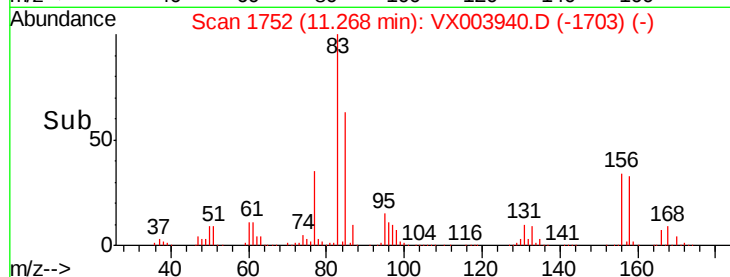
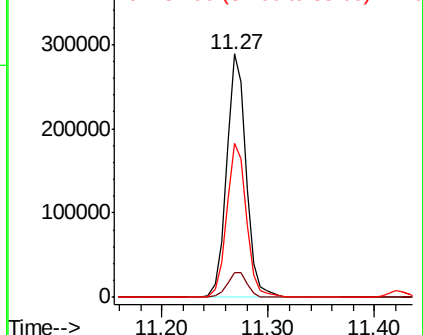
83 100

131 10.6 5.2 15.6

85 64.2 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: 63.98 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003940.D

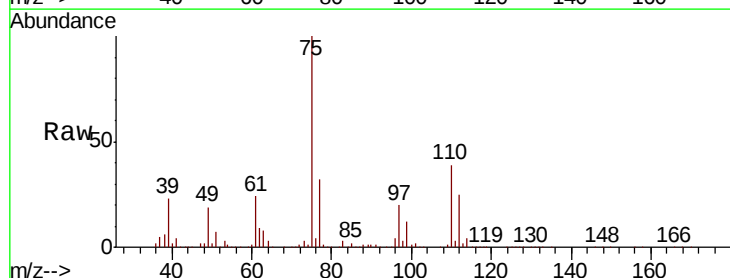
Acq: 09 Aug 2018 10:04

Tgt Ion: 75 Resp: 431022

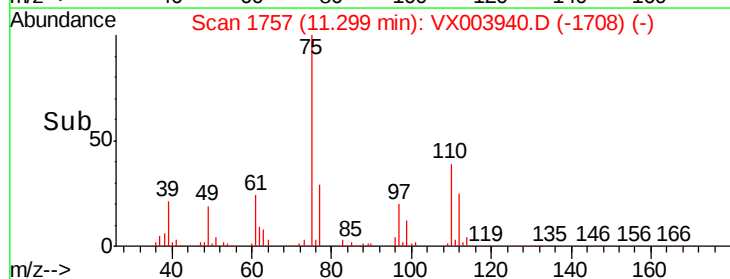
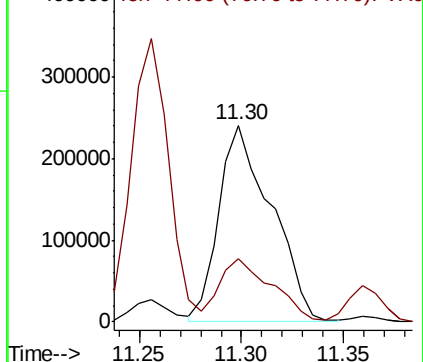
Ion Ratio Lower Upper

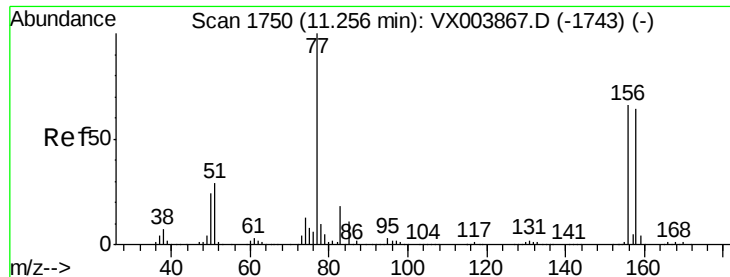
75 100

77 31.8 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: 50.99 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

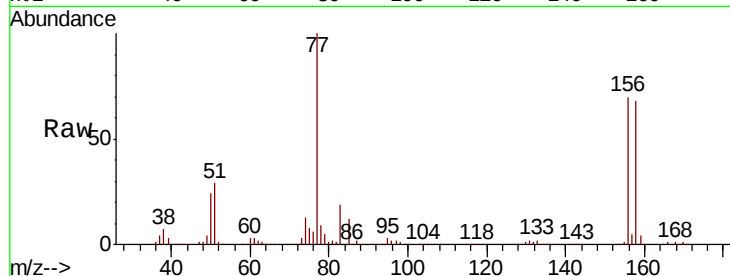
Tot Ion:156 Resp: 306924

Ion Ratio Lower Upper

156 100

77 145.2 74.1 222.2

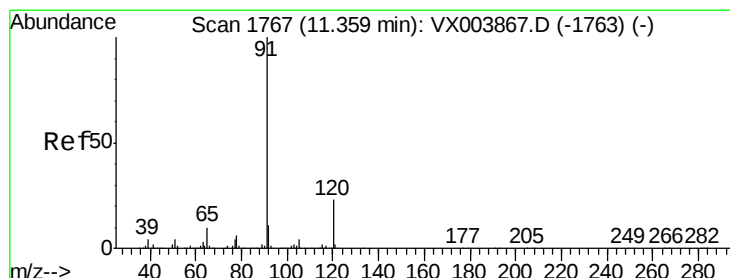
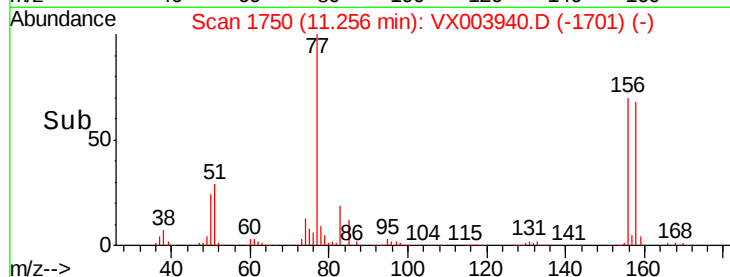
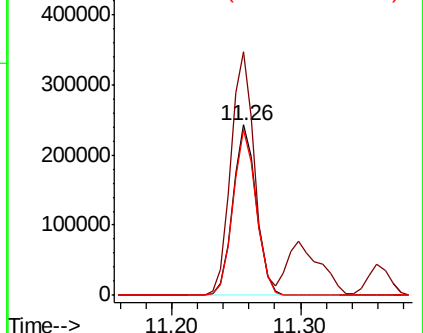
158 96.7 48.6 145.9



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: 53.44 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003940.D

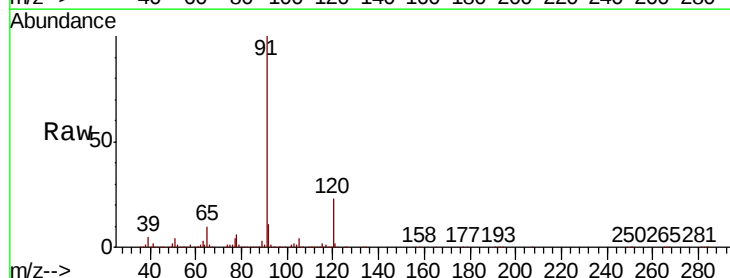
Acq: 09 Aug 2018 10:04

Tgt Ion: 91 Resp: 1354019

Ion Ratio Lower Upper

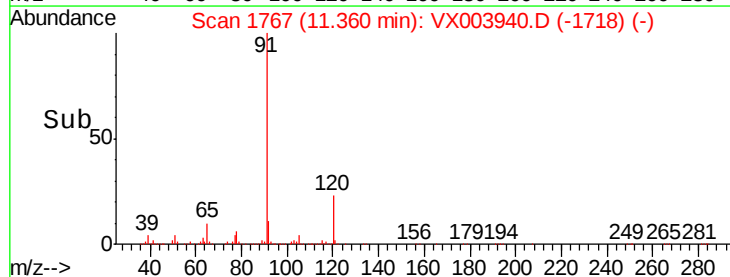
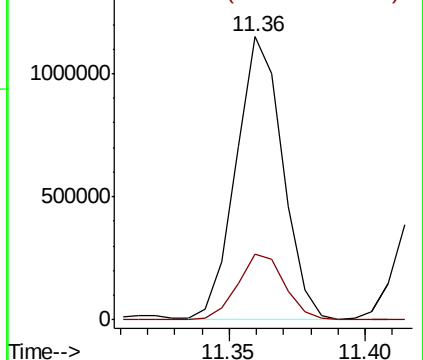
91 100

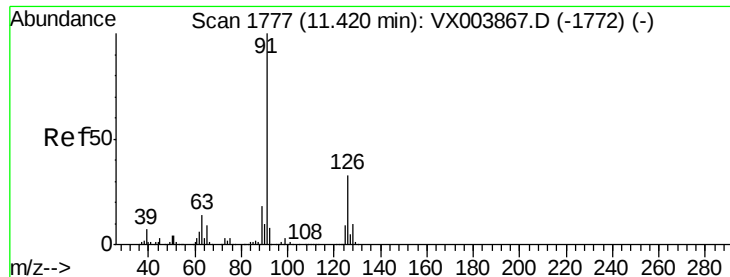
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.26 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

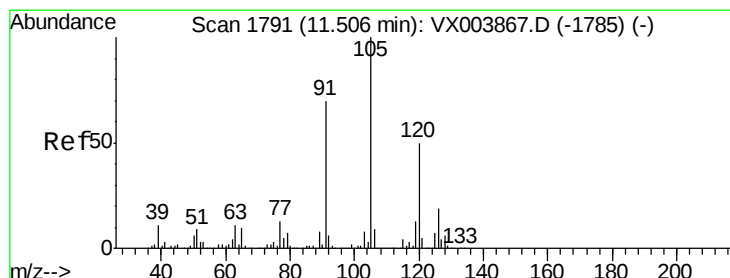
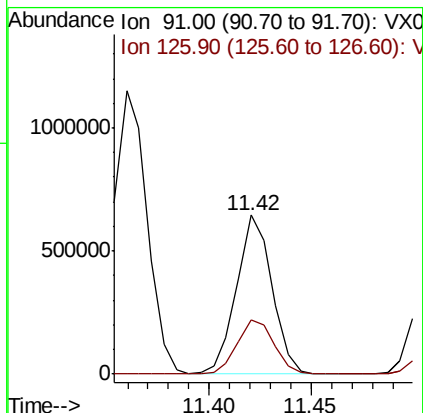
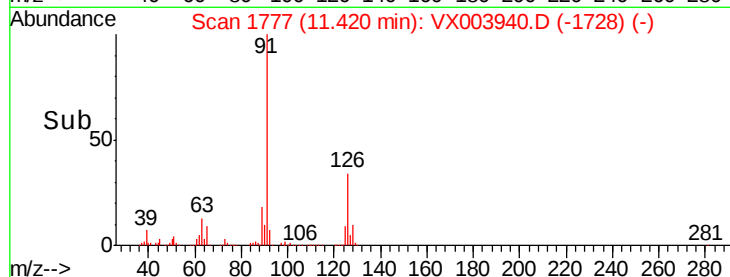
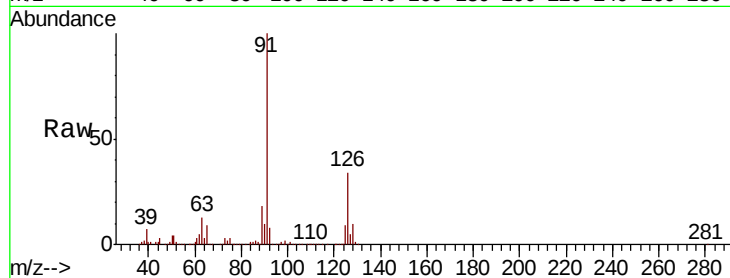
VSTDCCC050

Tot Ion: 91 Resp: 776310

Ion Ratio Lower Upper

91 100

126 35.6 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 52.76 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003940.D

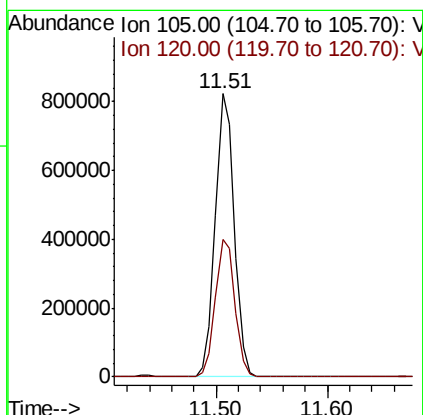
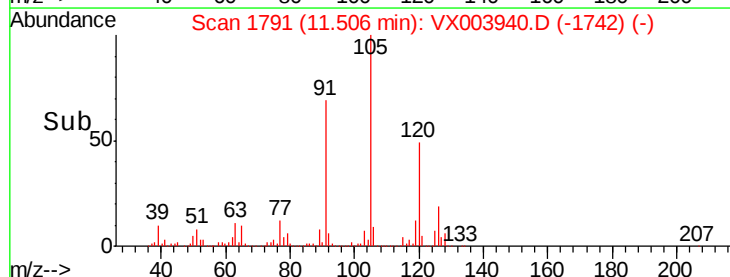
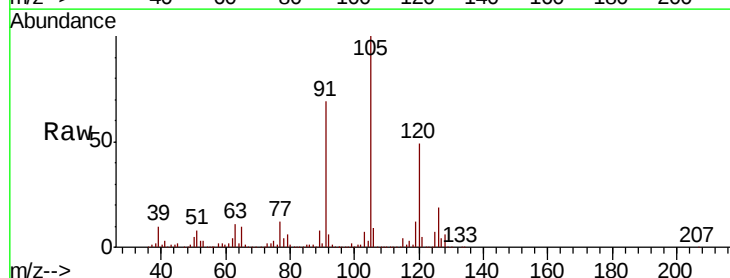
Acq: 09 Aug 2018 10:04

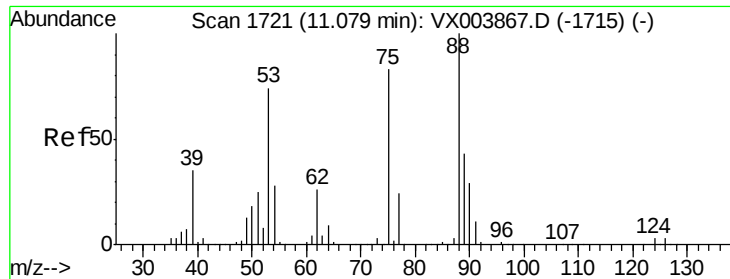
Tgt Ion:105 Resp: 970675

Ion Ratio Lower Upper

105 100

120 50.3 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 47.13 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

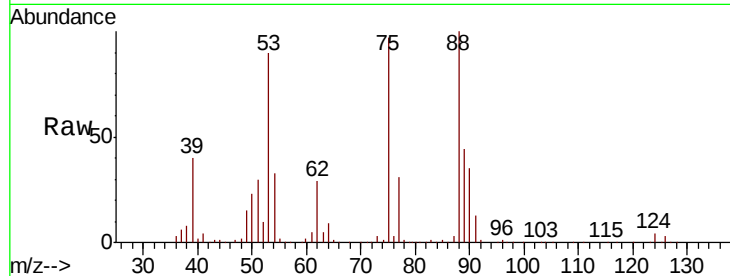
Tot Ion: 75 Resp: 116391

Ion Ratio Lower Upper

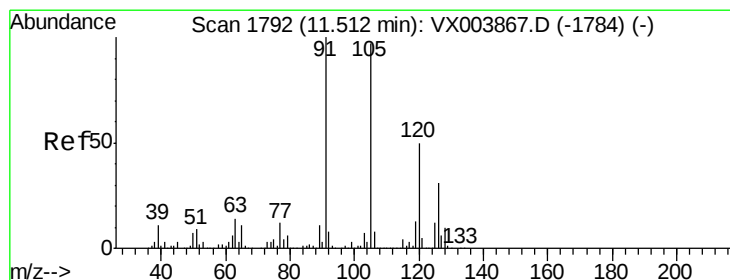
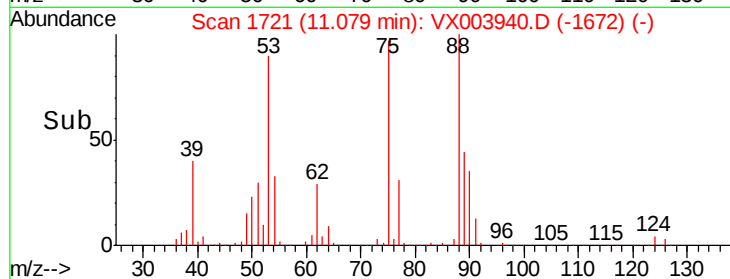
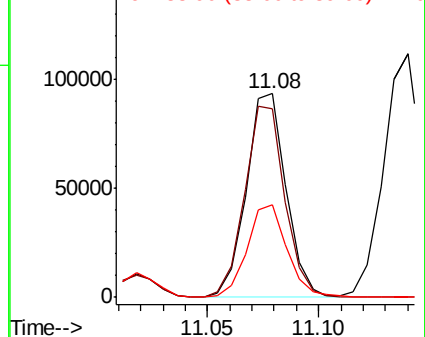
75 100

53 94.8 80.3 120.5

89 46.0 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: 50.36 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003940.D

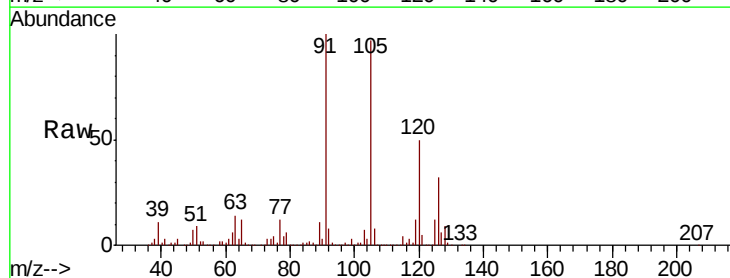
Acq: 09 Aug 2018 10:04

Tgt Ion: 91 Resp: 911422

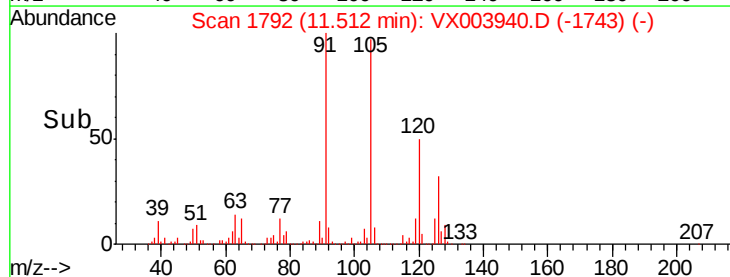
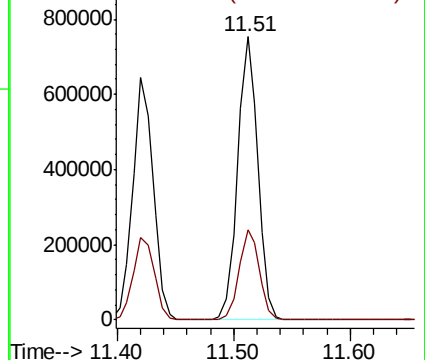
Ion Ratio Lower Upper

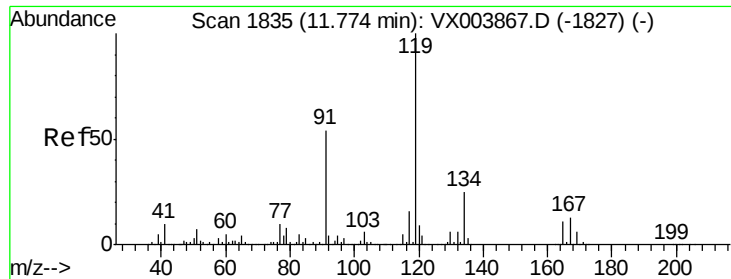
91 100

126 31.7 15.6 46.7



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

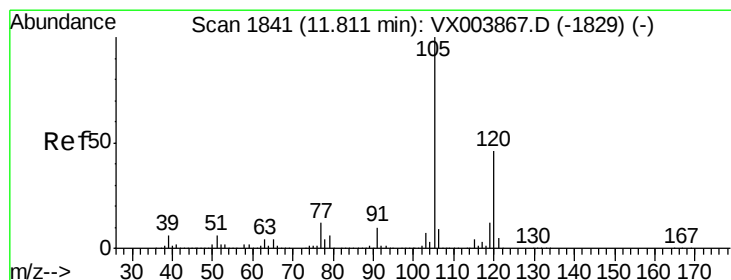
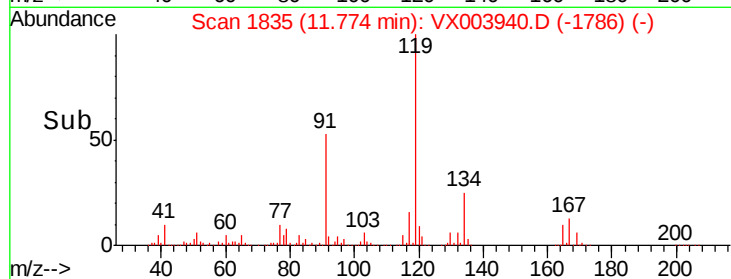
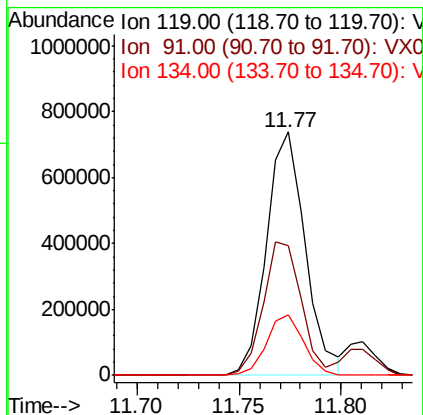
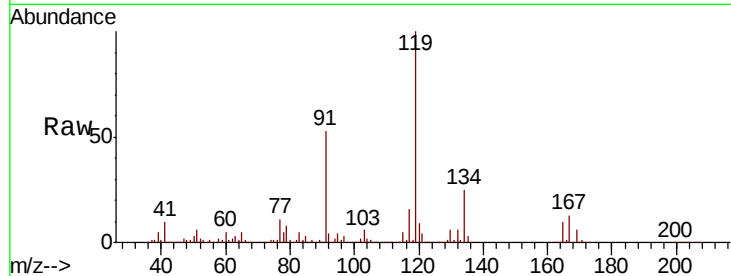




#83
 tert-Butylbenzene
 Concen: 54.10 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

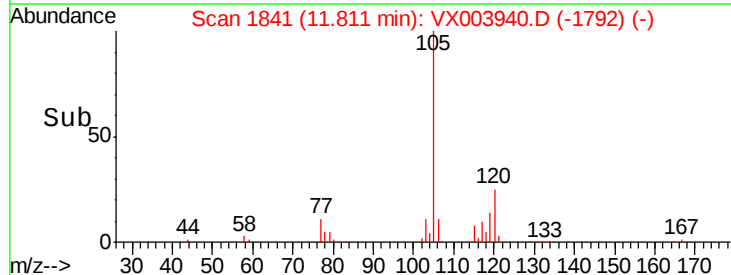
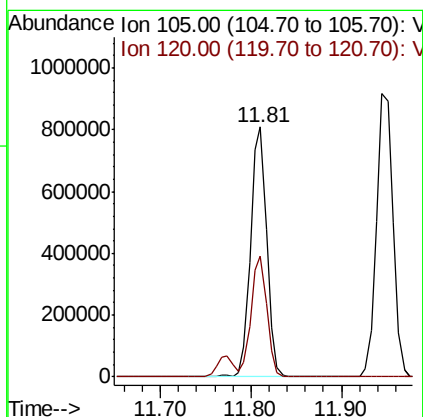
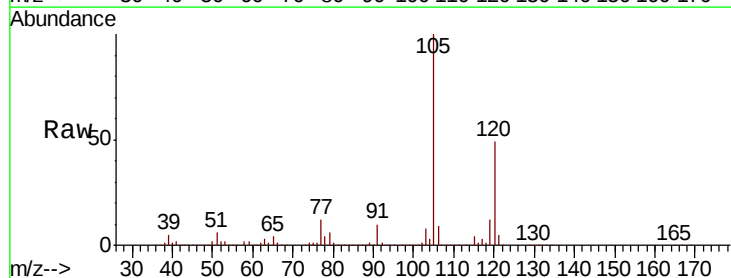
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

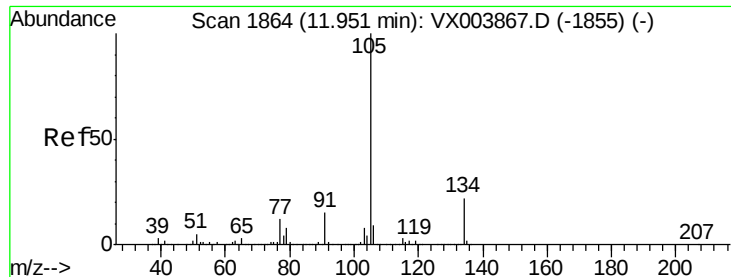
Tot Ion:119 Resp: 979223
 Ion Ratio Lower Upper
 119 100
 91 53.6 26.9 80.7
 134 23.9 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 53.78 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Tgt Ion:105 Resp: 994817
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.1 69.2





#85

sec-Butylbenzene

Concen: 54.16 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

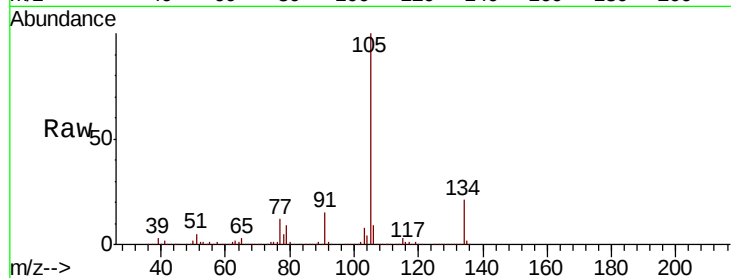
VSTDCCC050

Tot Ion:105 Resp: 1156924

Ion Ratio Lower Upper

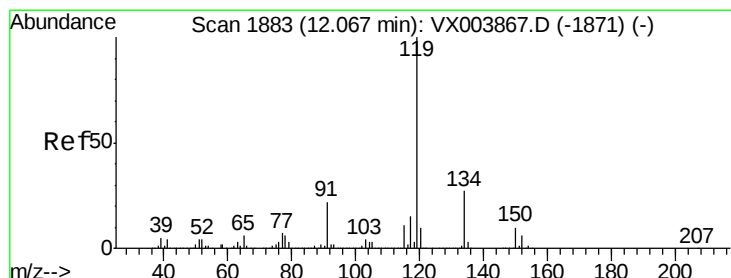
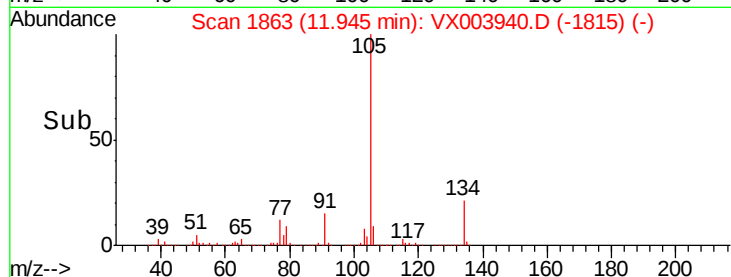
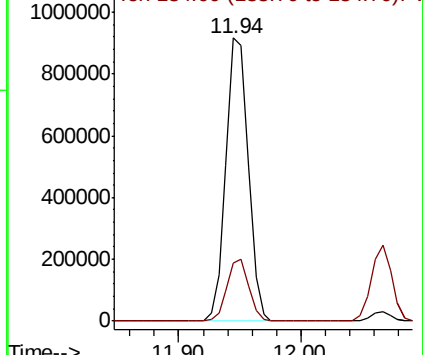
105 100

134 21.3 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.74 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

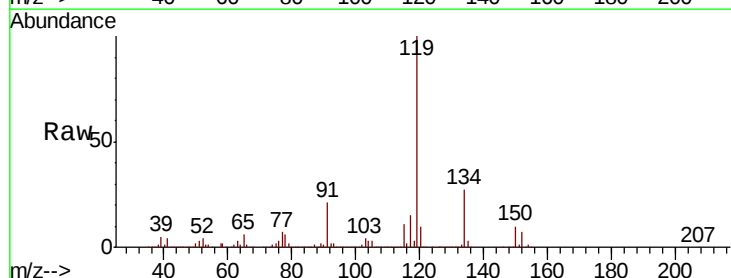
Tgt Ion:119 Resp: 1068399

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

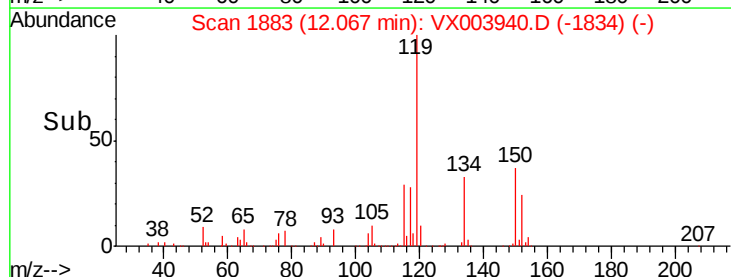
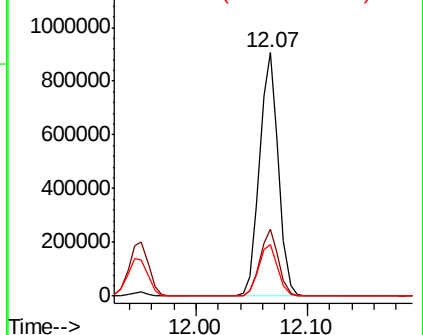
91 21.6 10.9 32.7

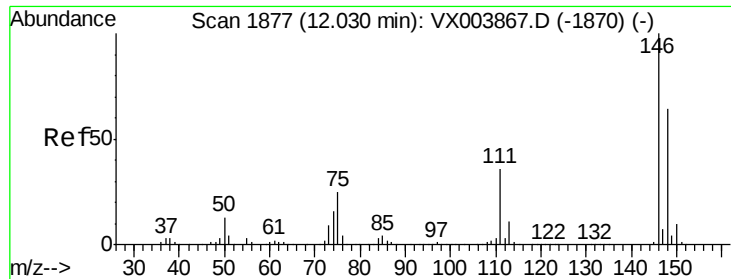


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 51.41 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

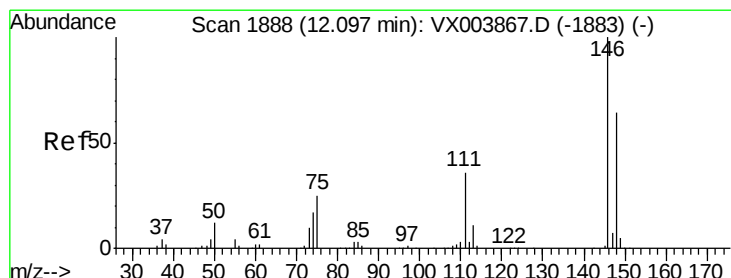
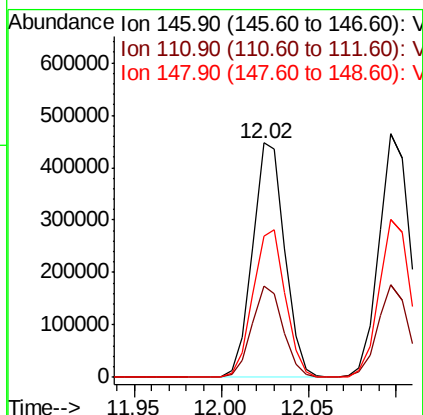
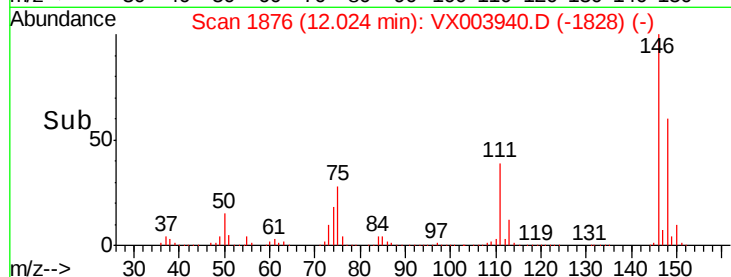
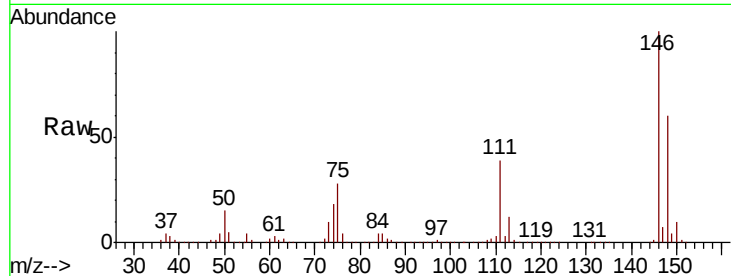
Tot Ion:146 Resp: 572020

Ion Ratio Lower Upper

146 100

111 37.9 18.8 56.4

148 63.3 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 53.28 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

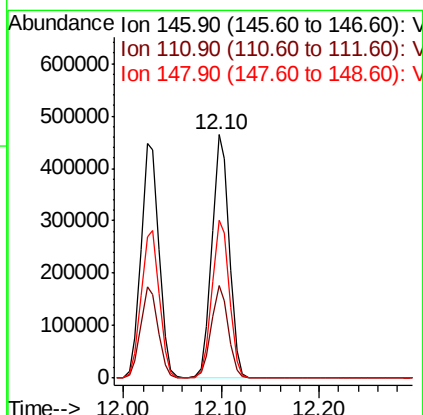
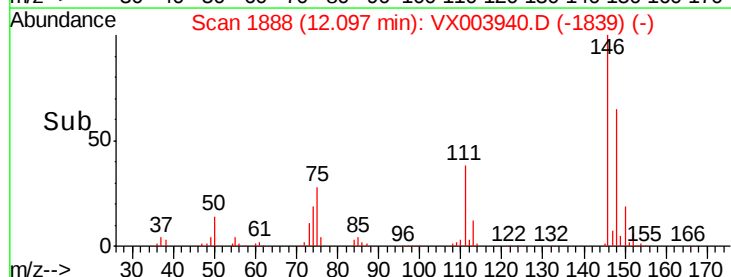
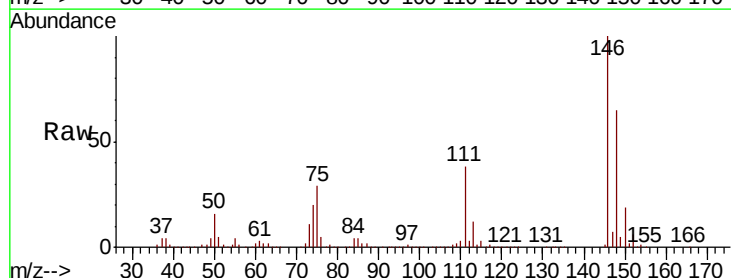
Tgt Ion:146 Resp: 568230

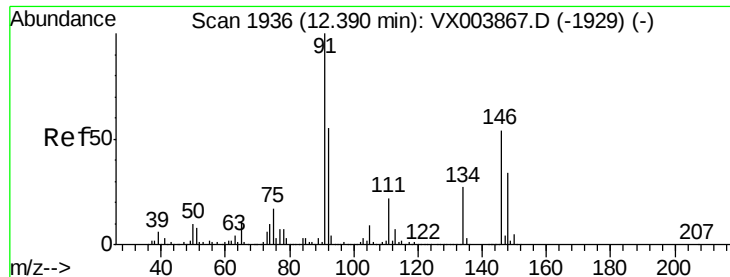
Ion Ratio Lower Upper

146 100

111 37.4 18.4 55.0

148 65.1 32.3 96.8





#89

n-Butylbenzene

Concen: 53.29 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

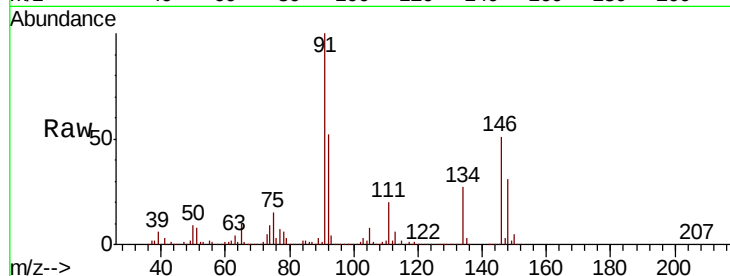
Tot Ion: 91 Resp: 890113

Ion Ratio Lower Upper

91 100

92 53.7 27.1 81.3

134 26.7 13.6 40.7

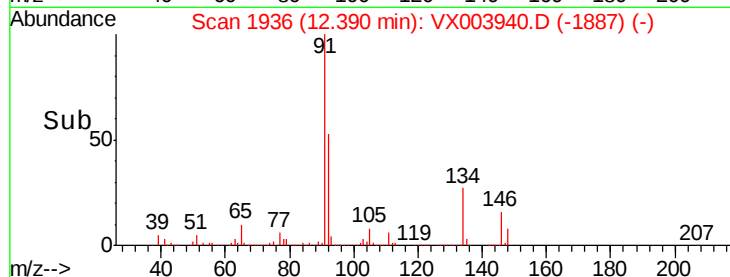


Abundance Ion 91.00 (90.70 to 91.70): VX003867.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX003867.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX003867.D (-1929) (-)

Time-->

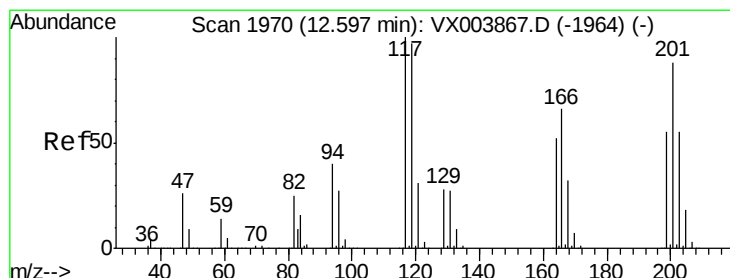


Abundance Ion 91.00 (90.70 to 91.70): VX003940.D (-1887) (-)

Ion 92.00 (91.70 to 92.70): VX003940.D (-1887) (-)

Ion 134.00 (133.70 to 134.70): VX003940.D (-1887) (-)

Time-->



#90

Hexachloroethane

Concen: 50.42 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003940.D

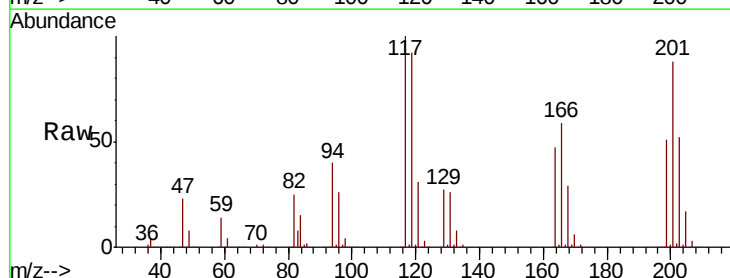
Acq: 09 Aug 2018 10:04

Tgt Ion: 117 Resp: 156918

Ion Ratio Lower Upper

117 100

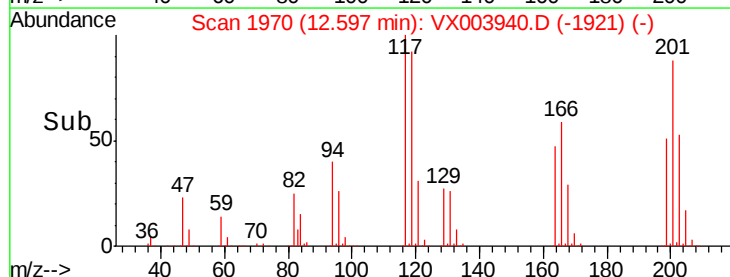
201 90.4 46.1 138.2



Abundance Ion 116.80 (116.50 to 117.50): VX003867.D (-1964) (-)

Ion 200.70 (200.40 to 201.40): VX003867.D (-1964) (-)

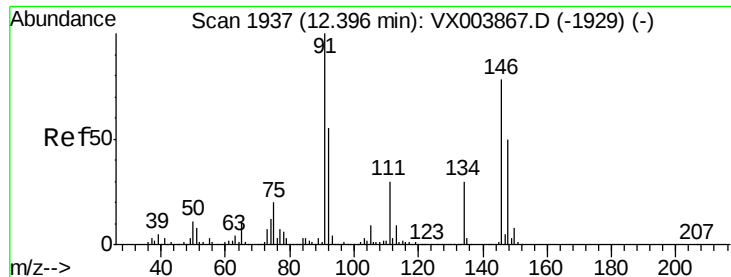
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VX003940.D (-1921) (-)

Ion 200.70 (200.40 to 201.40): VX003940.D (-1921) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 48.48 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

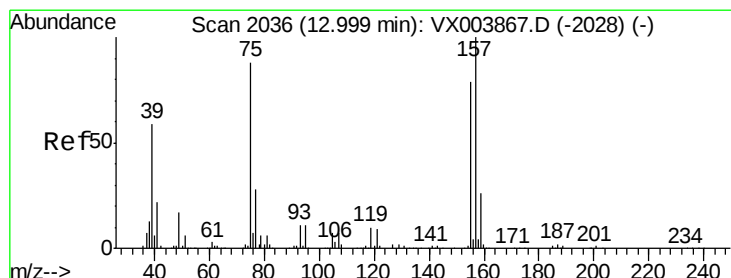
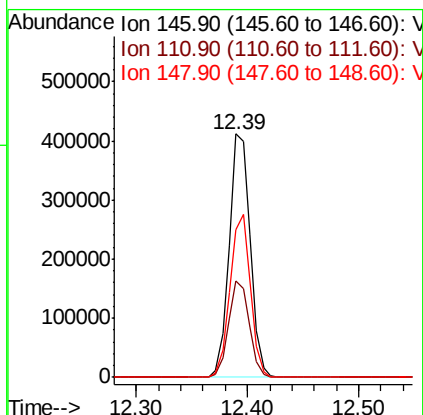
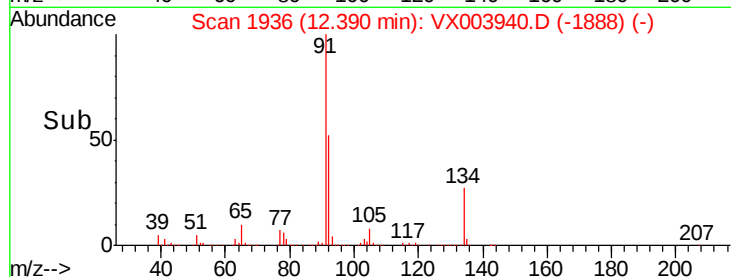
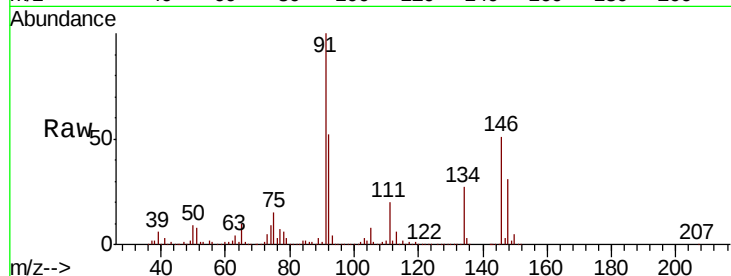
Tot Ion:146 Resp: 534656

Ion Ratio Lower Upper

146 100

111 38.8 19.7 59.0

148 65.3 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.46 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

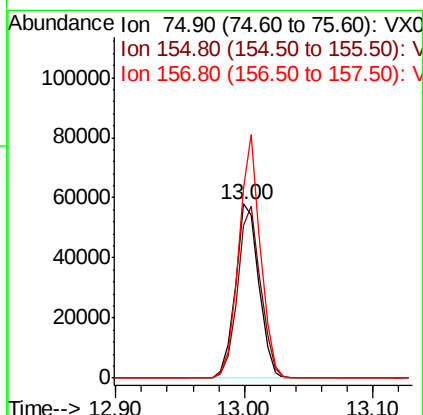
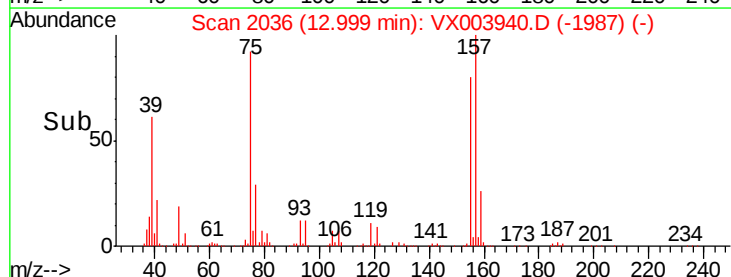
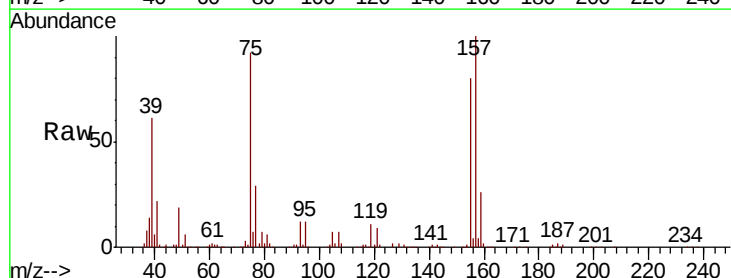
Tgt Ion: 75 Resp: 73601

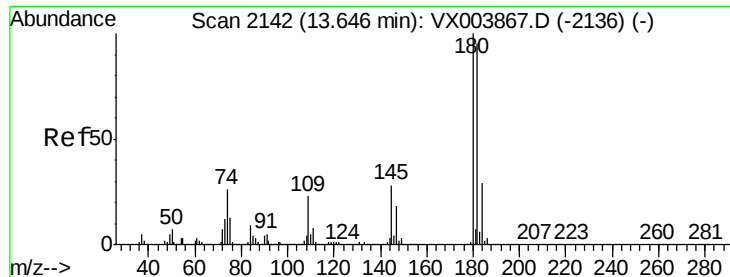
Ion Ratio Lower Upper

75 100

155 96.2 48.7 146.1

157 127.3 62.6 187.8

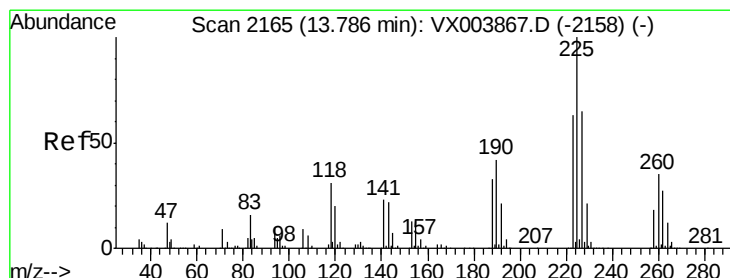
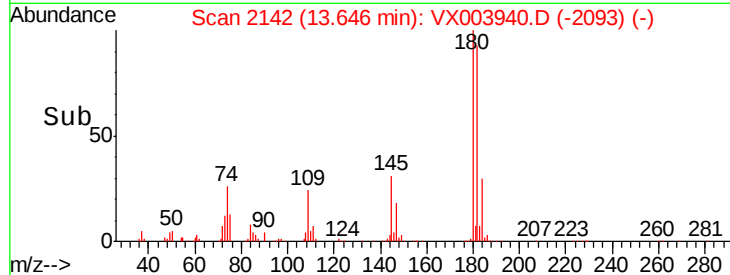
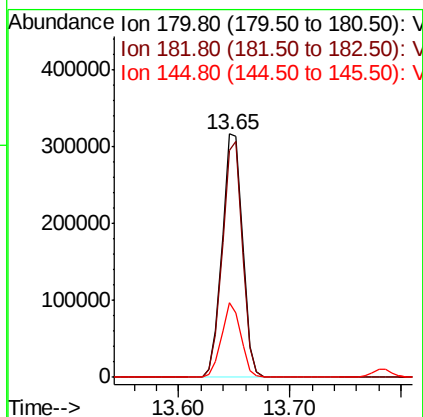
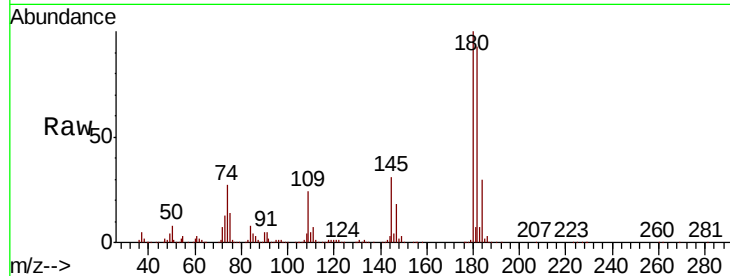




#93
 1,2,4-Trichlorobenzene
 Concen: 50.65 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

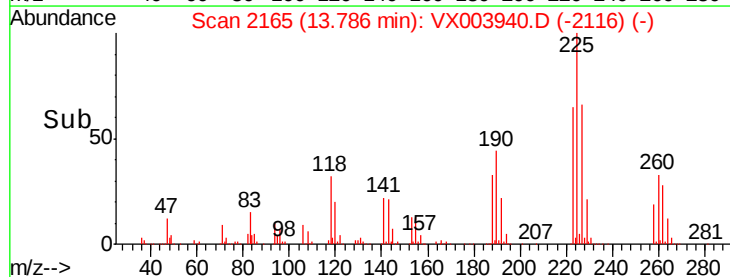
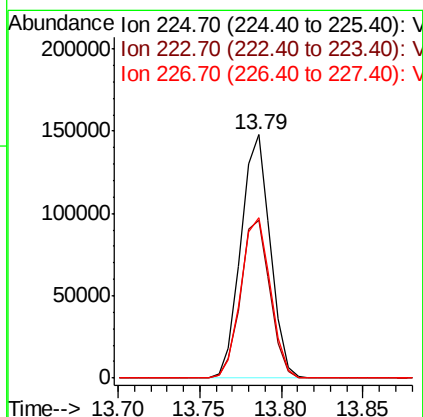
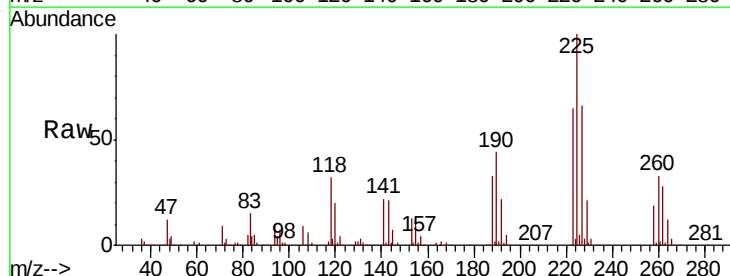
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

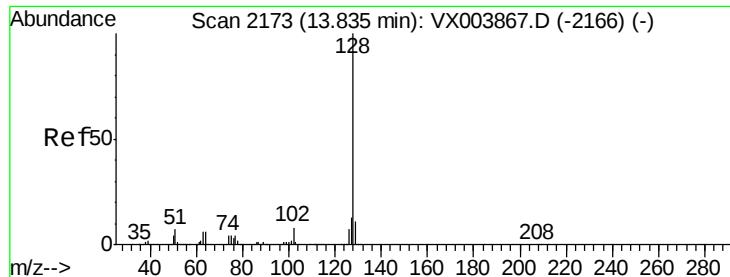
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.7	143.1
145	29.1	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 52.94 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.4	94.0
227	66.6	32.1	96.5





#95

Naphthalene

Concen: 54.89 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

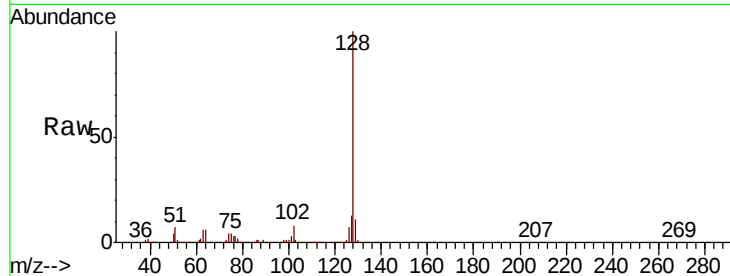
Tot Ion:128 Resp: 1246864

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

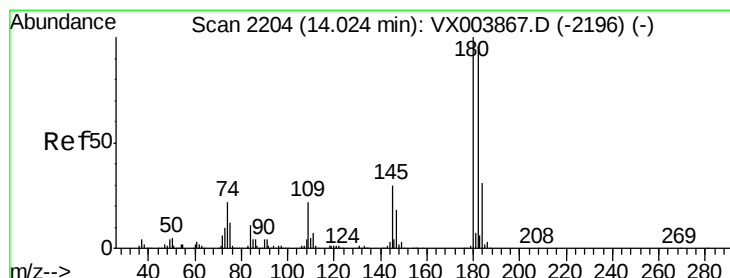
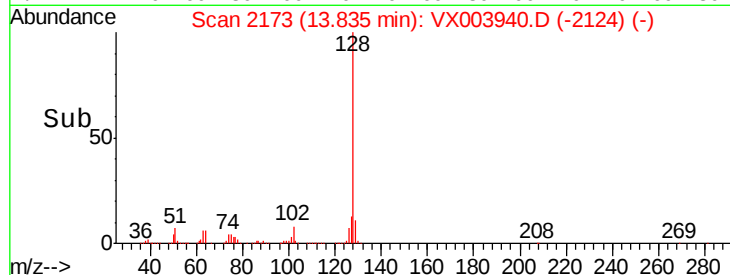
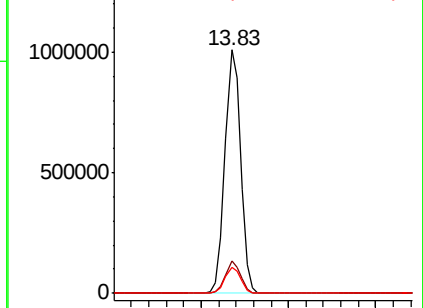
129 10.7 8.8 13.2



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: 54.04 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

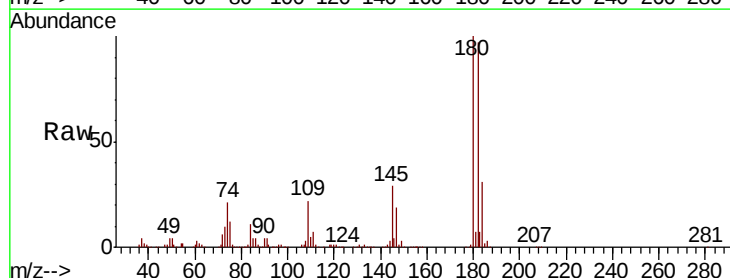
Tgt Ion:180 Resp: 427768

Ion Ratio Lower Upper

180 100

182 95.7 48.1 144.4

145 29.6 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

