

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081318\
 Data File : VX004012.D
 Acq On : 13 Aug 2018 20:33
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 14 03:12:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 13 01:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	320930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	492645	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	457587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	285976	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	218136	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
35) Dibromofluoromethane	5.51	113	176933	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
50) Toluene-d8	8.72	98	703767	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
62) 4-Bromofluorobenzene	11.14	95	266180	56.68	ug/l	0.00
Spiked Amount			Recovery	=	113.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	156474	48.11	ug/l	99
3) Chloromethane	1.32	50	188975	42.71	ug/l	99
4) Vinyl Chloride	1.40	62	210287	47.65	ug/l	97
5) Bromomethane	1.64	94	105122	37.40	ug/l	100
6) Chloroethane	1.72	64	142955	50.63	ug/l	98
7) Trichlorofluoromethane	1.93	101	291776	50.08	ug/l	99
8) Diethyl Ether	2.18	74	134452	51.34	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	179460	49.28	ug/l	99
10) Methyl Iodide	2.51	142	189804	41.90	ug/l	99
11) Tert butyl alcohol	3.05	59	253338	247.82	ug/l	99
12) 1,1-Dichloroethene	2.37	96	171410	49.76	ug/l	96
13) Acrolein	2.29	56	106491	188.99	ug/l	100
14) Allyl chloride	2.73	41	321328	48.39	ug/l	97
15) Acrylonitrile	3.14	53	597973	245.14	ug/l	99
16) Acetone	2.44	43	595984	235.48	ug/l	100
17) Carbon Disulfide	2.57	76	442453	42.10	ug/l	100
18) Methyl Acetate	2.77	43	297484	53.98	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	650491	53.29	ug/l	99
20) Methylene Chloride	2.85	84	205900	33.56	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	191623	49.00	ug/l	97
22) Diisopropyl ether	3.87	45	662762	54.30	ug/l	99
23) Vinyl Acetate	3.82	43	2757136	271.48	ug/l	100
24) 1,1-Dichloroethane	3.70	63	364761	50.31	ug/l	100
25) 2-Butanone	4.69	43	1005623	264.27	ug/l	99
26) 2,2-Dichloropropane	4.59	77	243085	46.49	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	222751	52.50	ug/l	99
28) Bromochloromethane	5.02	49	156635	50.48	ug/l	99
29) Tetrahydrofuran	5.15	42	512208	261.89	ug/l	99
30) Chloroform	5.21	83	360195	52.77	ug/l	98
31) Cyclohexane	5.58	56	312506	50.97	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	306773	53.60	ug/l	99
36) 1,1-Dichloropropene	5.80	75	269934	48.92	ug/l	100
37) Ethyl Acetate	4.85	43	307921	50.73	ug/l	99
38) Carbon Tetrachloride	5.79	117	266587	50.76	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	318356	48.94	ug/l	97
40) Benzene	6.15	78	838492	50.61	ug/l	100
41) Methacrylonitrile	5.06	41	173692	51.96	ug/l	99
42) 1,2-Dichloroethane	6.20	62	289303	51.64	ug/l	100
43) Isopropyl Acetate	6.46	43	481621	52.73	ug/l	100
44) Trichloroethene	7.21	130	226931	50.08	ug/l	93
45) 1,2-Dichloropropane	7.52	63	218543	51.08	ug/l	99
46) Dibromomethane	7.67	93	141758	51.03	ug/l	100
47) Bromodichloromethane	7.90	83	275607	52.67	ug/l	98
48) Methyl methacrylate	7.78	41	249037	53.64	ug/l	98
49) 1,4-Dioxane	7.76	88	110961	1014.51	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1997344	263.82	ug/l	99
52) Toluene	8.79	92	542920	51.86	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	312426	52.82	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	336255	52.72	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	224337	52.44	ug/l	99
56) Ethyl methacrylate	9.18	69	343671	55.37	ug/l	100
57) 1,3-Dichloropropane	9.37	76	377423	52.71	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	782980	256.54	ug/l	100
59) 2-Hexanone	9.50	43	1525408	269.55	ug/l	100
60) Dibromochloromethane	9.59	129	227782	57.11	ug/l	99
61) 1,2-Dibromoethane	9.68	107	232357	54.25	ug/l	100
64) Tetrachloroethene	9.34	164	217026	48.21	ug/l	96
65) Chlorobenzene	10.14	112	598301	50.25	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	217426	53.12	ug/l	99
67) Ethyl Benzene	10.26	91	1012515	51.95	ug/l	99
68) m/p-Xylenes	10.36	106	815316	107.06	ug/l	95
69) o-Xylene	10.70	106	391472	54.45	ug/l	98
70) Styrene	10.71	104	663107	56.34	ug/l	97
71) Bromoform	10.86	173	177264	57.91	ug/l	99
73) Isopropylbenzene	11.02	105	1042638	49.29	ug/l	96
74) N-amyl acetate	6.46	43	481621	43.78	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	350305	48.31	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	393778	62.34	ug/l	84
77) Bromobenzene	11.26	156	280012	49.62	ug/l	98
78) n-propylbenzene	11.36	91	1199198	50.48	ug/l	99
79) 2-Chlorotoluene	11.42	91	705008	48.67	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	868108	50.32	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	98737	47.64	ug/l	97
82) 4-Chlorotoluene	11.51	91	823957	48.56	ug/l	100
83) tert-Butylbenzene	11.77	119	886369	52.23	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	895435	51.62	ug/l	98
85) sec-Butylbenzene	11.94	105	1038566	51.86	ug/l	99
86) p-Isopropyltoluene	12.07	119	939314	52.27	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	517112	49.57	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	525076	48.52	ug/l	100
89) n-Butylbenzene	12.39	91	731823	46.73	ug/l	99
90) Hexachloroethane	12.60	117	129830	44.49	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	484058	46.81	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	64315	43.30	ug/l	100

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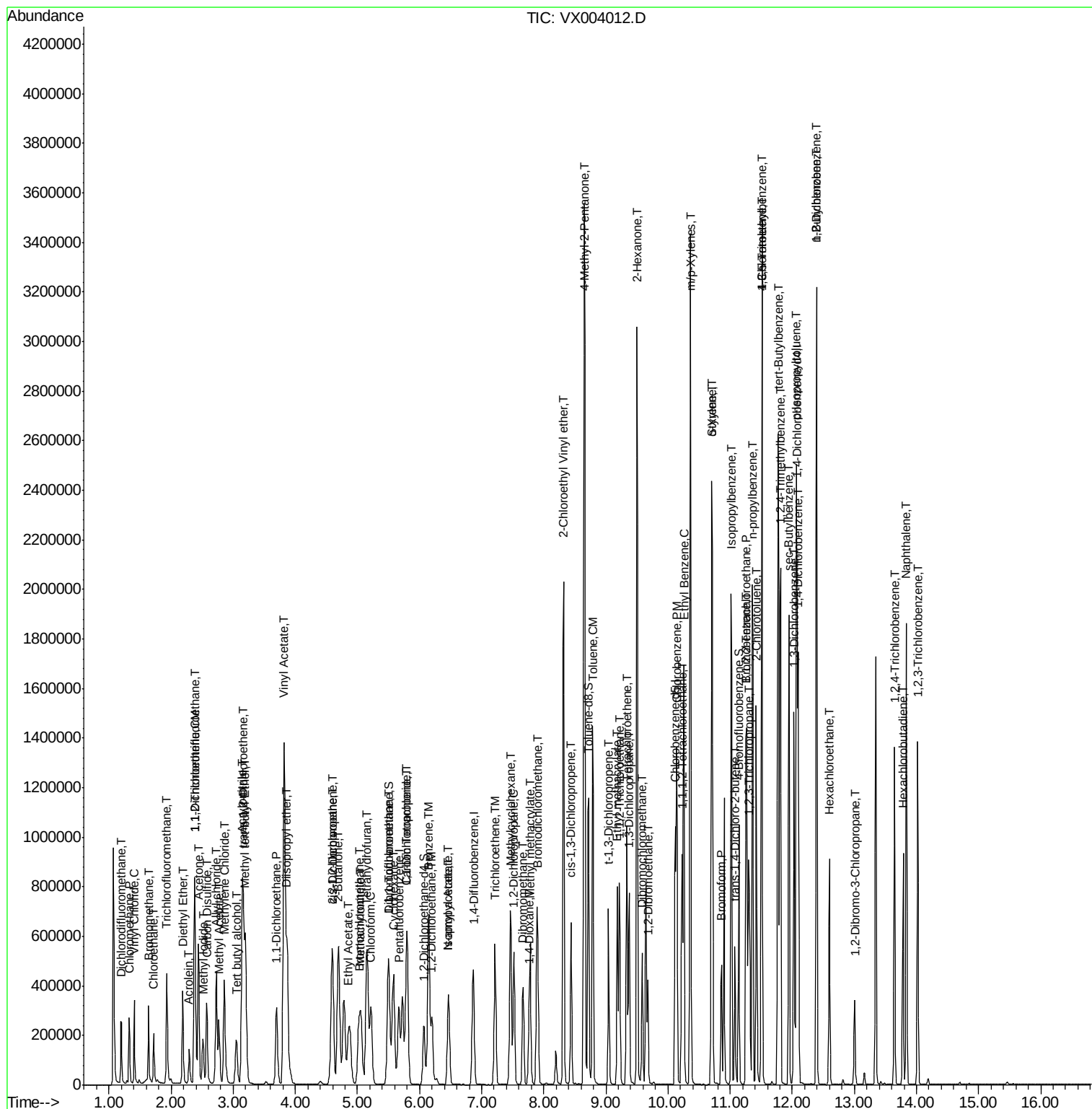
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

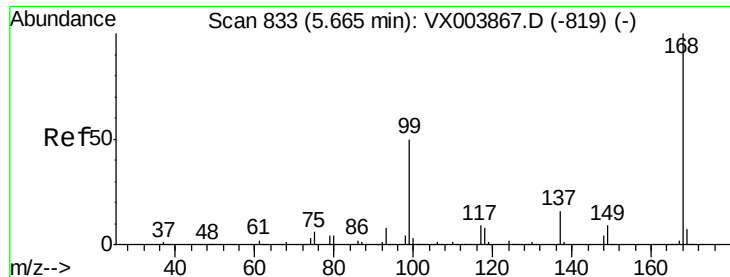
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	347825	46.77	ug/l	99
94) Hexachlorobutadiene	13.78	225	158675	45.55	ug/l	99
95) Naphthalene	13.83	128	1133008	53.19	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	379502	51.13	ug/l	98

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

Quant Time: Aug 14 03:12:27 2018
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Quant Title : SW846 8260
QLast Update : Mon Aug 13 01:34:27 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

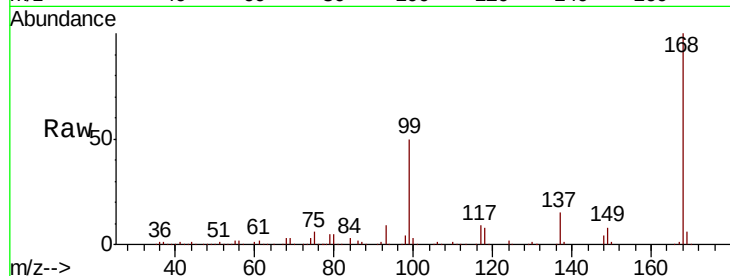
VSTDCCC050EC

Tot Ion:168 Resp: 320930

Ion Ratio Lower Upper

168 100

99 50.2 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

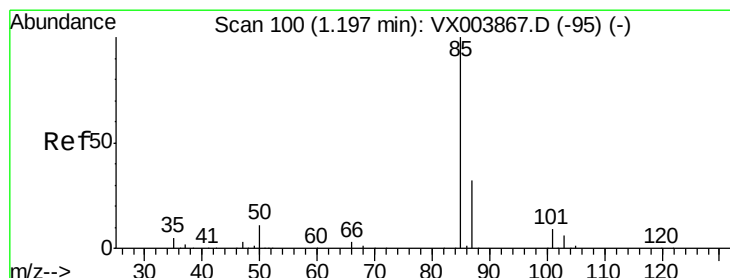
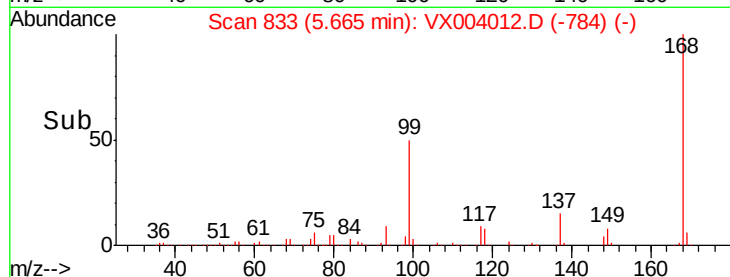
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 48.11 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX004012.D

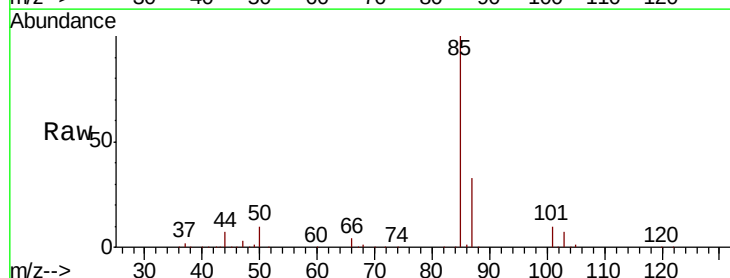
Acq: 13 Aug 2018 20:33

Tgt Ion: 85 Resp: 156474

Ion Ratio Lower Upper

85 100

87 32.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

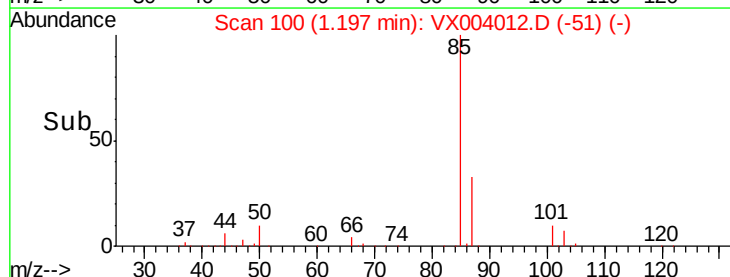
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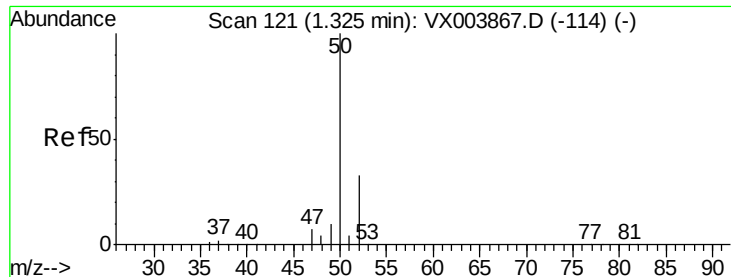
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 42.71 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

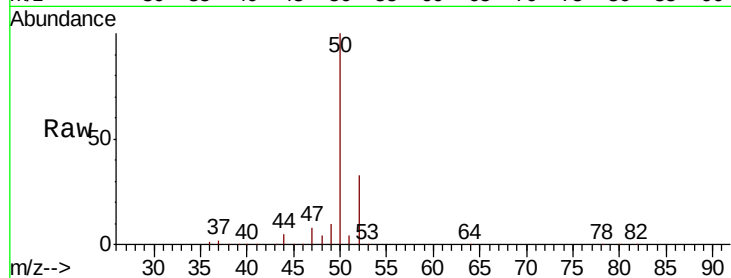
VSTDCCC050EC

Tot Ion: 50 Resp: 188975

Ion Ratio Lower Upper

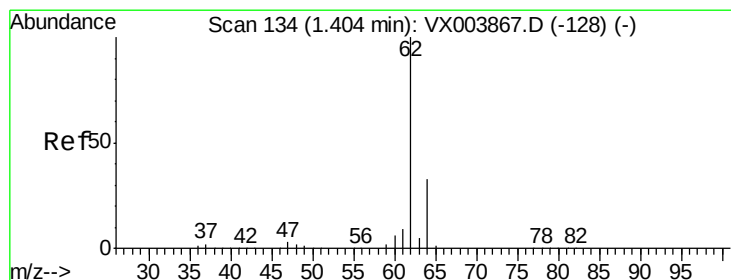
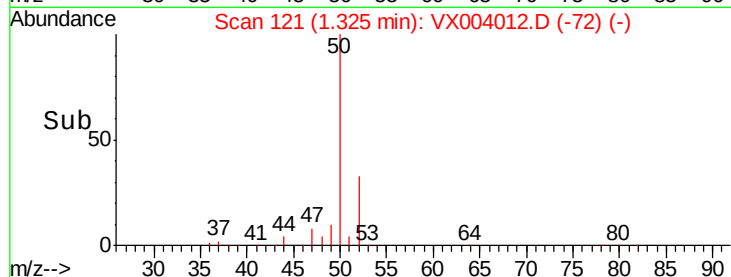
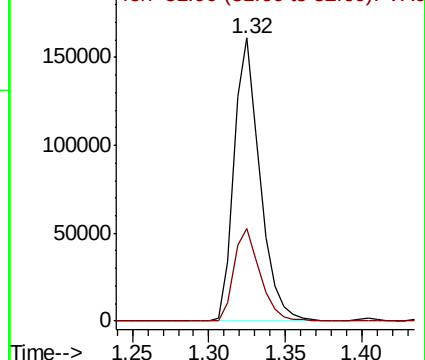
50 100

52 32.9 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: 47.65 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004012.D

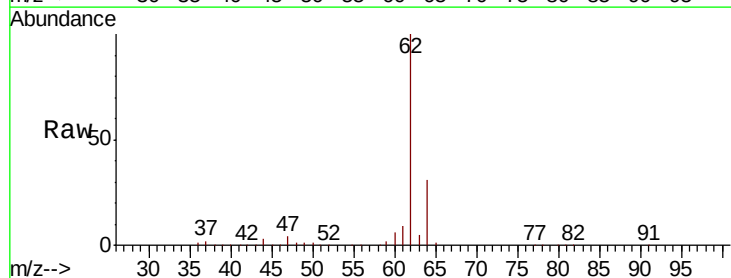
Acq: 13 Aug 2018 20:33

Tgt Ion: 62 Resp: 210287

Ion Ratio Lower Upper

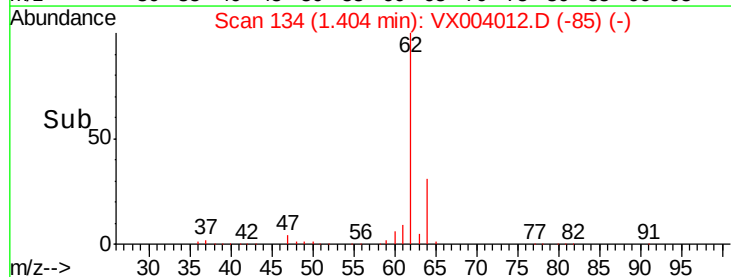
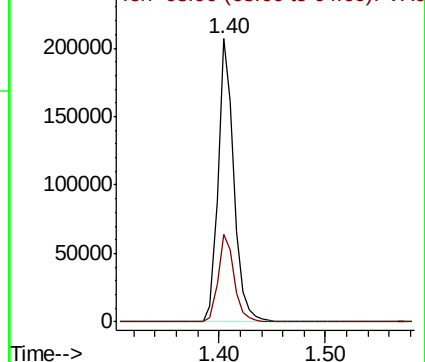
62 100

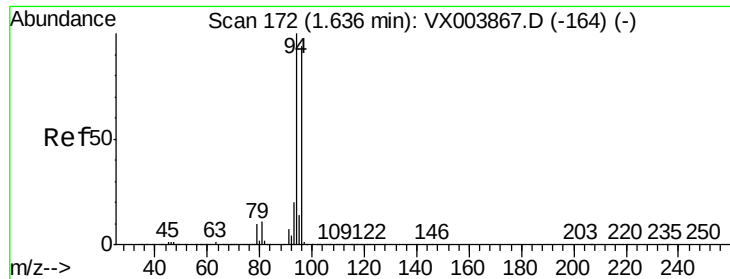
64 30.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 37.40 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

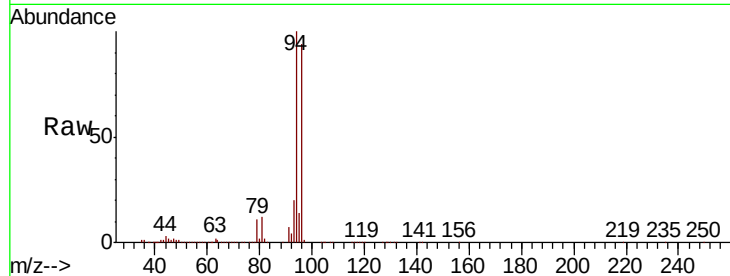
VSTDCCC050EC

Tot Ion: 94 Resp: 105122

Ion Ratio Lower Upper

94 100

96 94.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

120000

100000

80000

60000

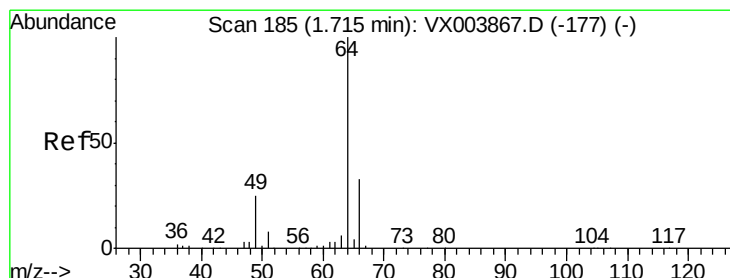
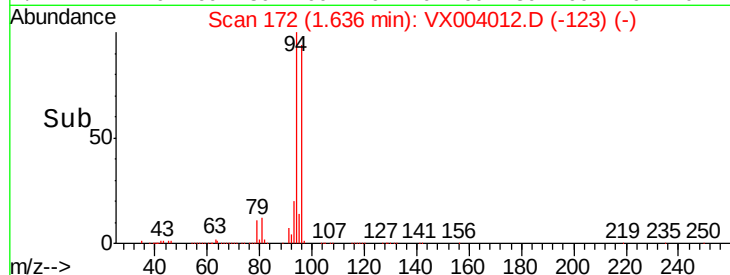
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 50.63 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004012.D

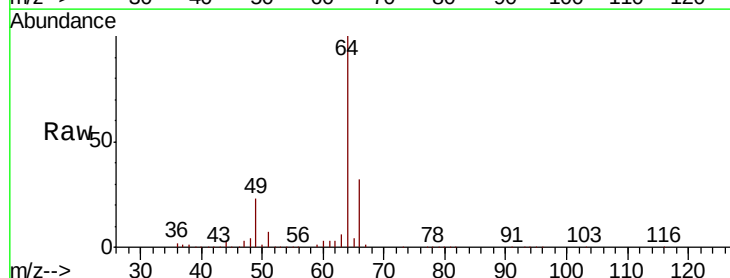
Acq: 13 Aug 2018 20:33

Tgt Ion: 64 Resp: 142955

Ion Ratio Lower Upper

64 100

66 32.1 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

120000

100000

80000

60000

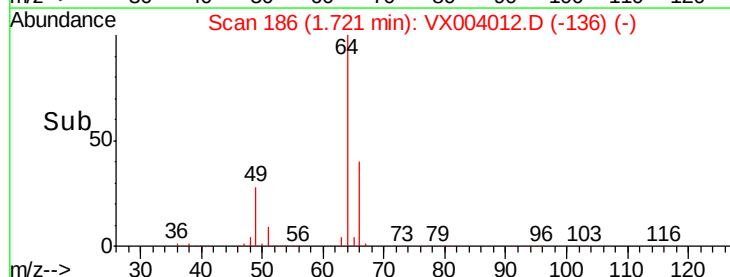
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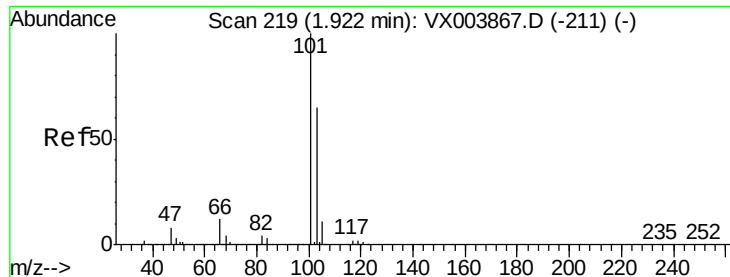
20000

0

1.65 1.70 1.75 1.80 1.85

Time-->





#7

Trichlorofluoromethane

Concen: 50.08 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX004012.D

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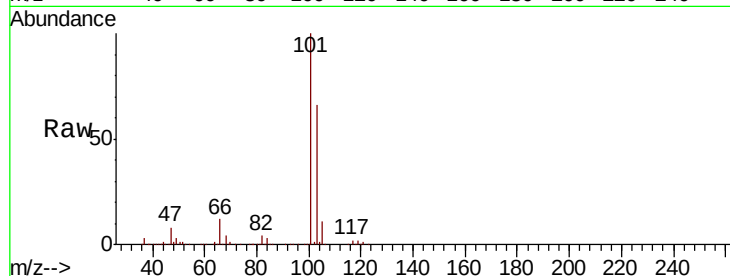
VSTDCCC050EC

Tot Ion:101 Resp: 291776

Ion Ratio Lower Upper

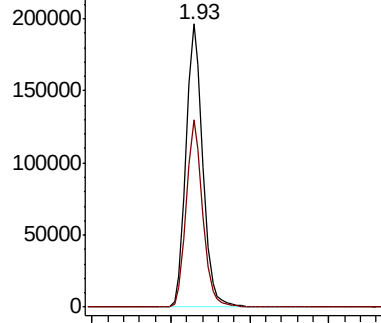
101 100

103 66.2 52.3 78.5

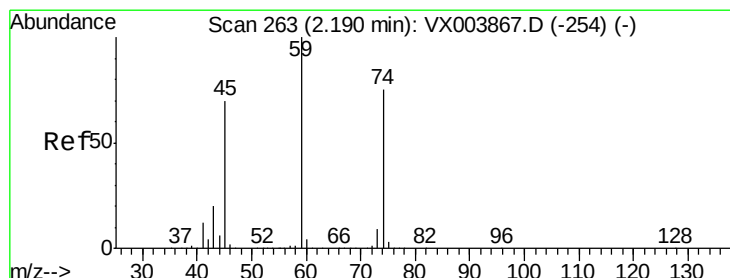
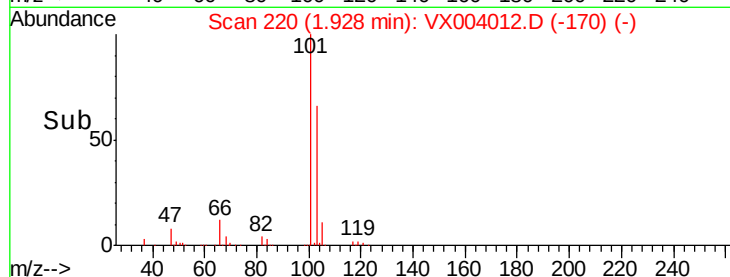


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



Time-->



#8

Diethyl Ether

Concen: 51.34 ug/l

RT: 2.18 min Scan# 262

Delta R.T. -0.01 min

Lab File: VX004012.D

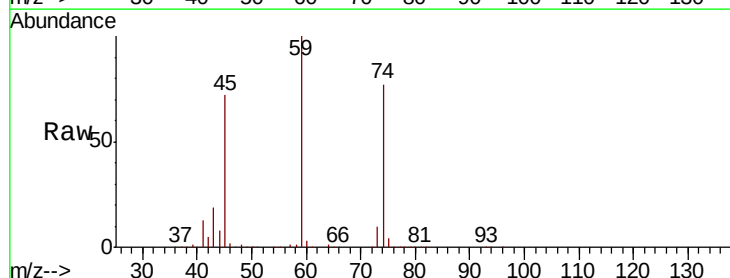
Acq: 13 Aug 2018 20:33

Tgt Ion: 74 Resp: 134452

Ion Ratio Lower Upper

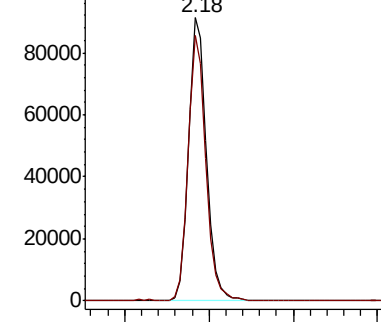
74 100

45 92.5 48.3 144.9

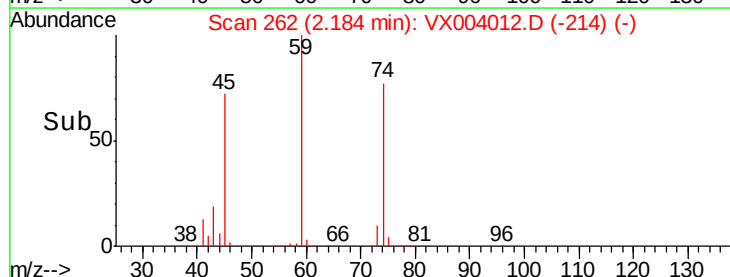


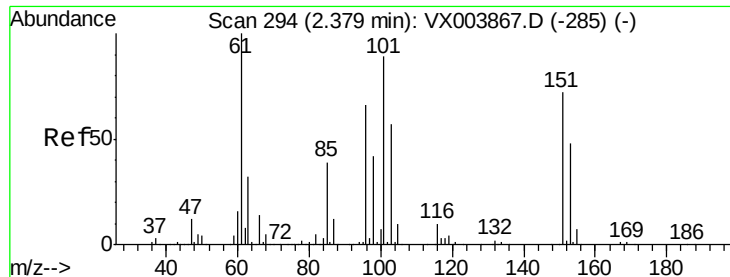
Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.28 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

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ClientSampleId :

VSTDCCC050EC

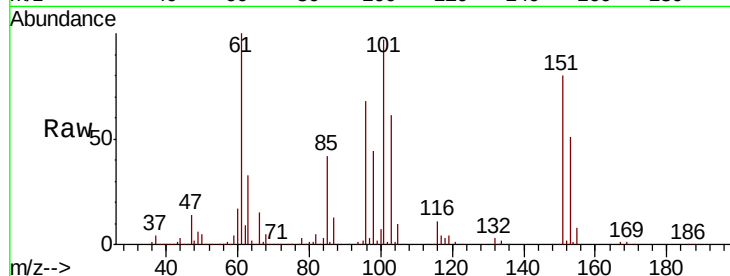
Tot Ion:101 Resp: 179460

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.4

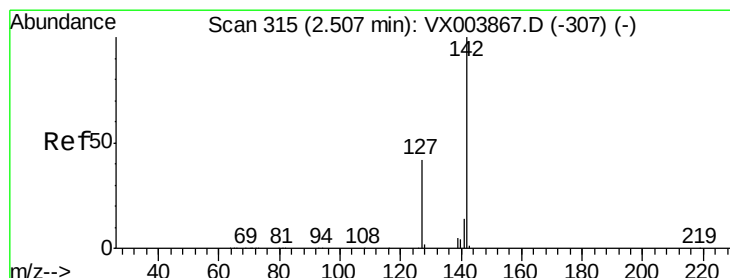
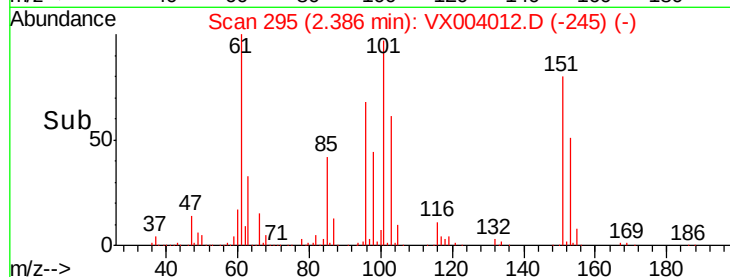
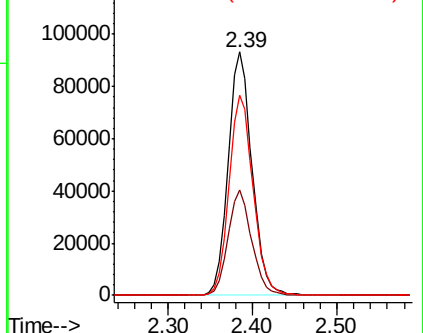
151 82.7 65.0 97.4



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: 41.90 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

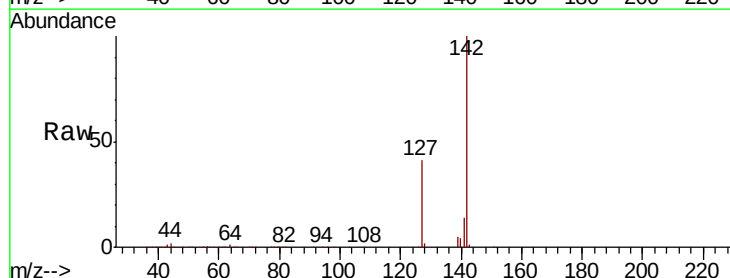
Tgt Ion:142 Resp: 189804

Ion Ratio Lower Upper

142 100

127 41.7 33.1 49.7

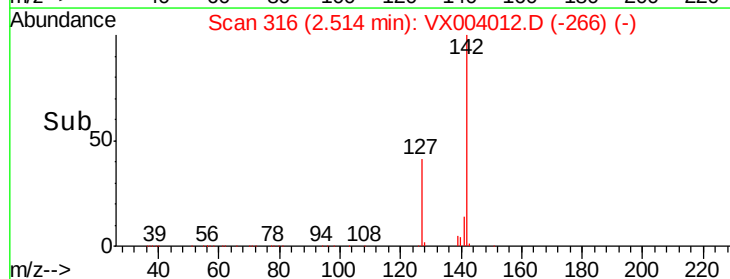
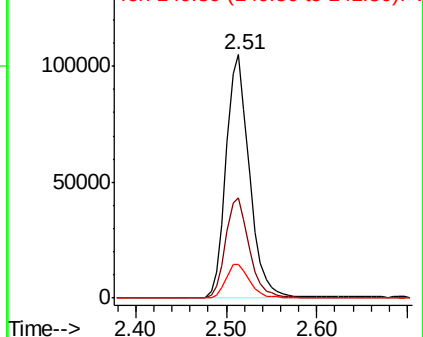
141 14.2 11.1 16.7

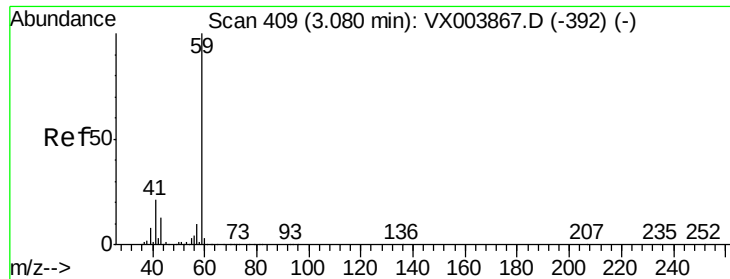


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



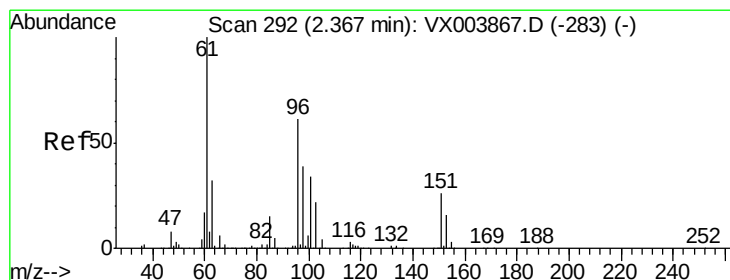
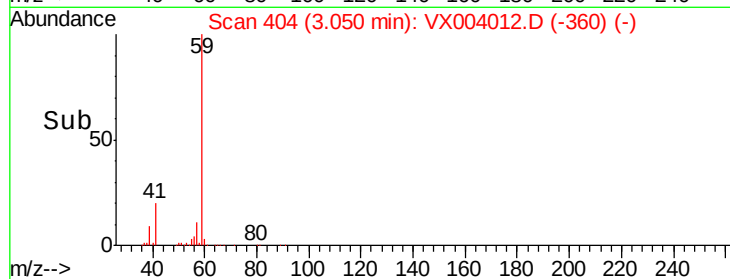
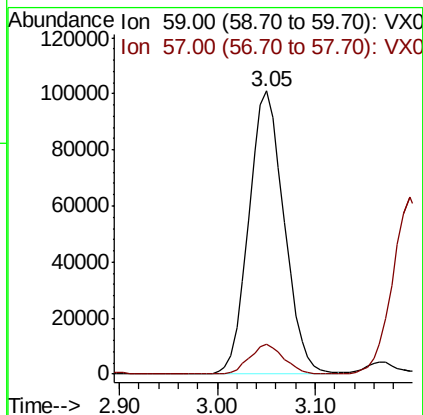
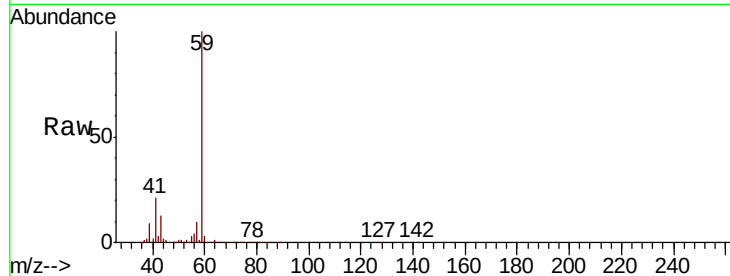


#11

Tert butyl alcohol
Concen: 247.82 ug/l
RT: 3.05 min Scan# 404
Delta R.T. -0.03 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

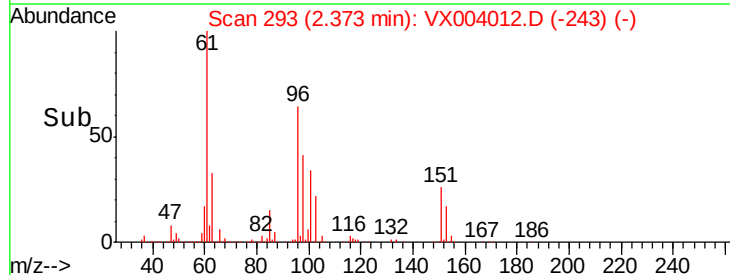
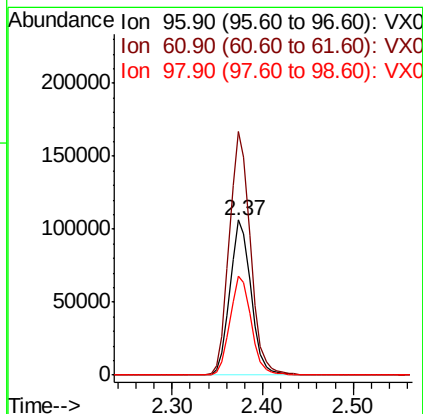
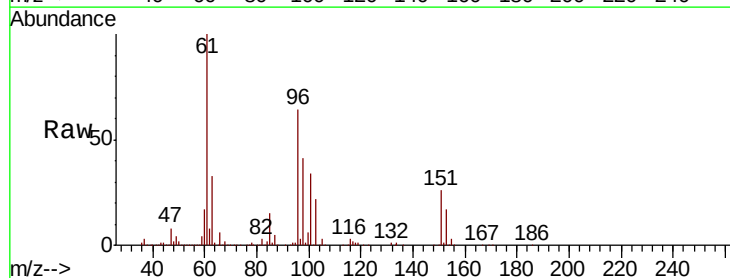
Tot Ion: 59 Resp: 253338
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1

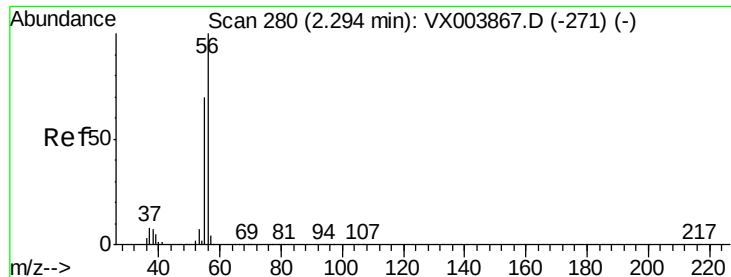


#12

1,1-Dichloroethene
Concen: 49.76 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion: 96 Resp: 171410
Ion Ratio Lower Upper
96 100
61 157.3 131.3 196.9
98 63.8 51.8 77.6





#13

Acrolein

Concen: 188.99 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

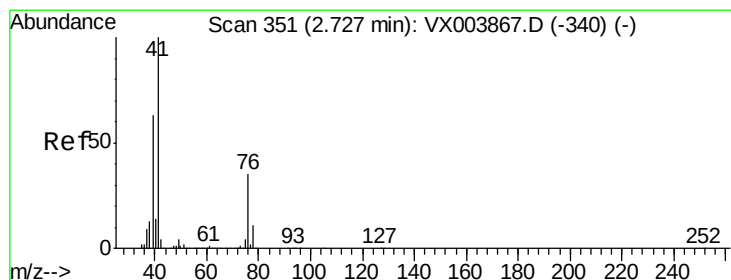
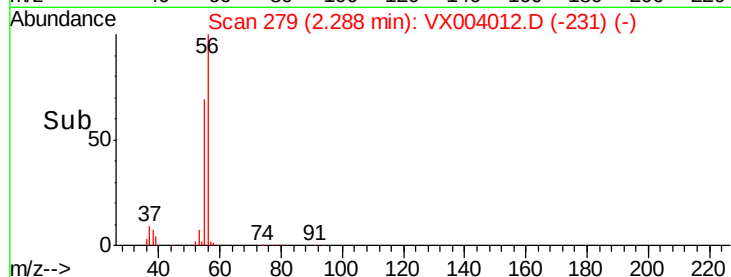
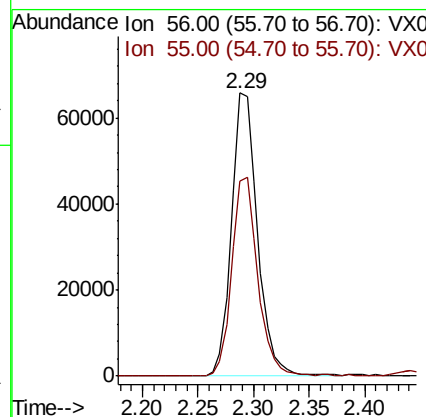
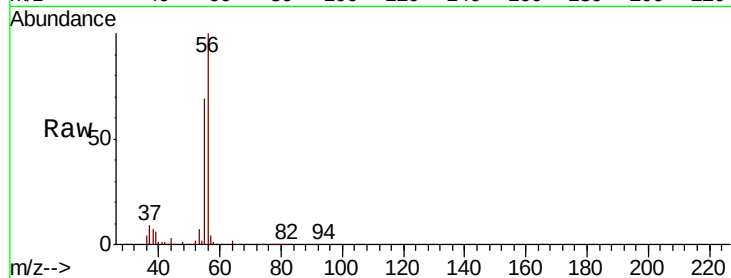
VSTDCCC050EC

Tot Ion: 56 Resp: 106491

Ion Ratio Lower Upper

56 100

55 70.5 56.1 84.1



#14

Allyl chloride

Concen: 48.39 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

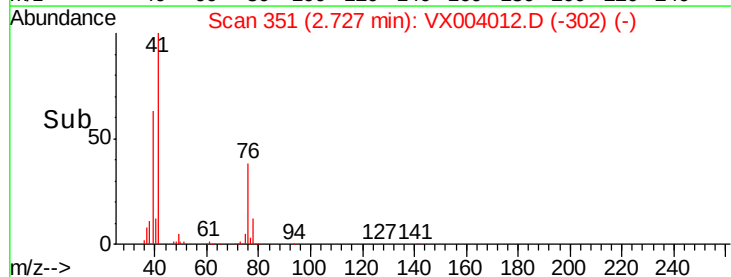
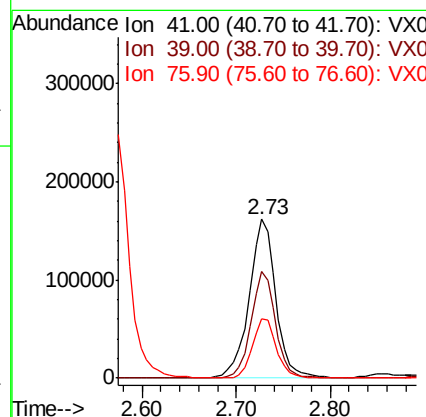
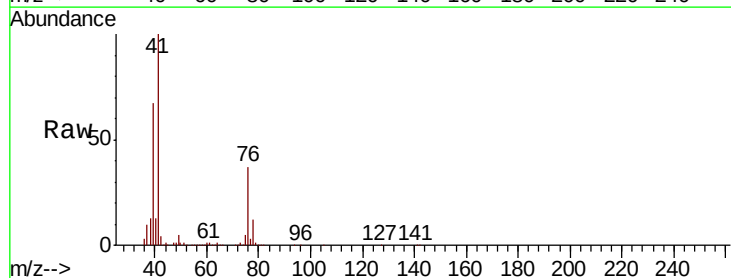
Tgt Ion: 41 Resp: 321328

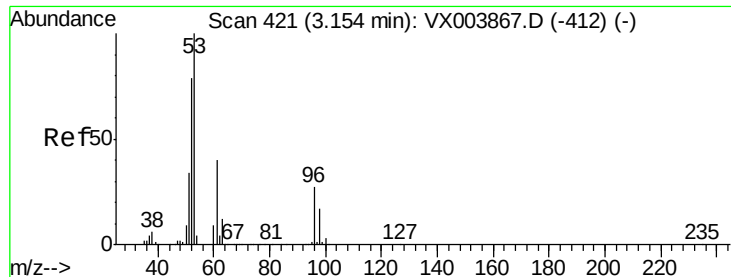
Ion Ratio Lower Upper

41 100

39 61.5 47.4 71.0

76 33.7 26.0 39.0





#15

Acrylonitrile

Concen: 245.14 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

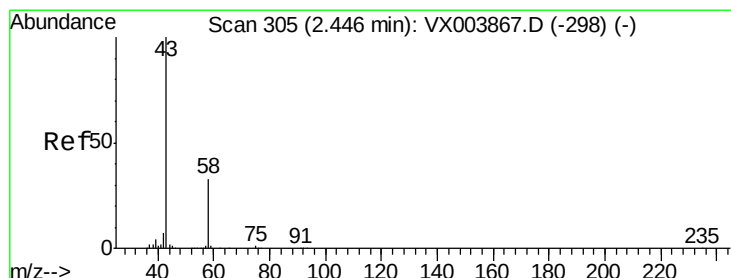
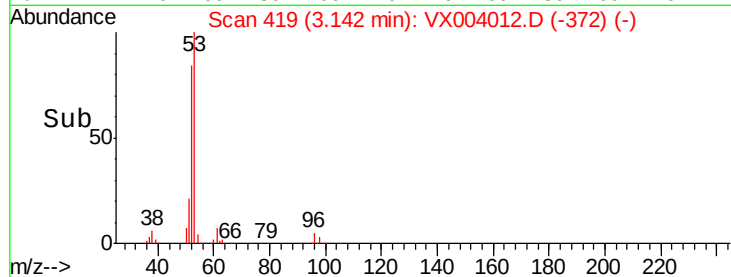
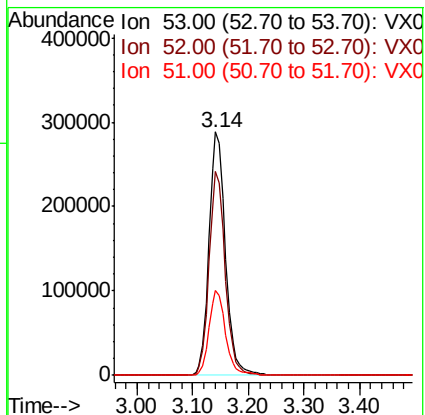
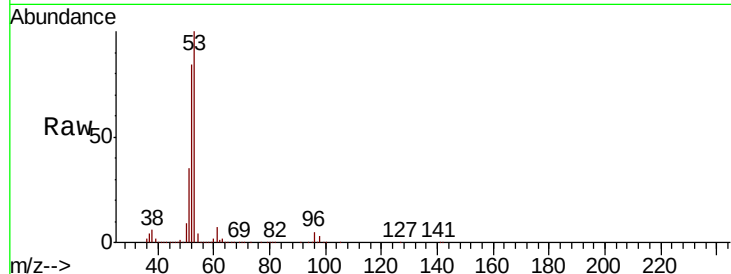
Tot Ion: 53 Resp: 597973

Ion Ratio Lower Upper

53 100

52 82.1 65.3 97.9

51 35.1 27.9 41.9



#16

Acetone

Concen: 235.48 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX004012.D

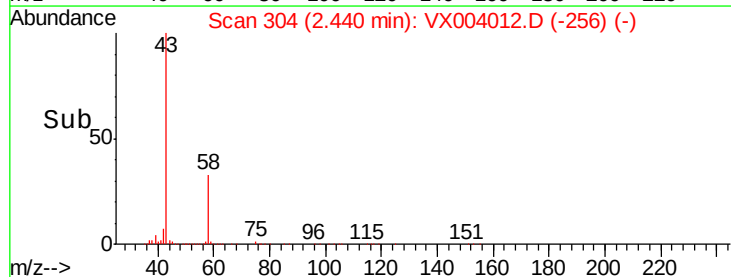
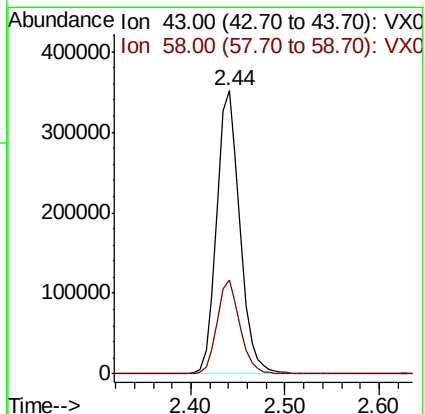
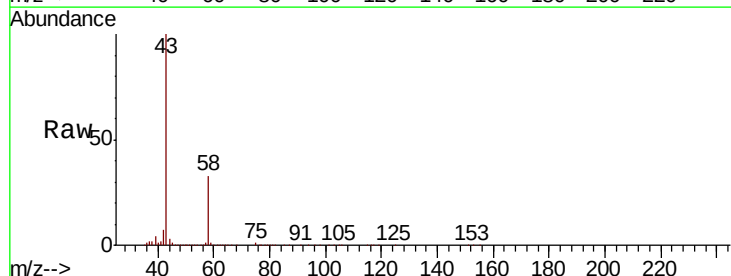
Acq: 13 Aug 2018 20:33

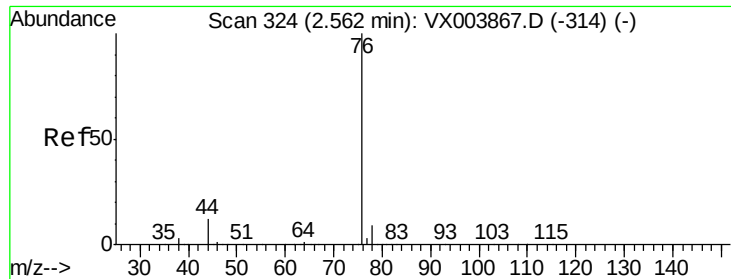
Tgt Ion: 43 Resp: 595984

Ion Ratio Lower Upper

43 100

58 33.1 26.4 39.6





#17

Carbon Disulfide

Concen: 42.10 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

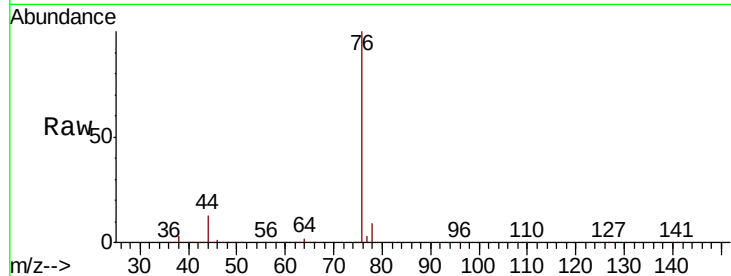
VSTDCCC050EC

Tot Ion: 76 Resp: 442453

Ion Ratio Lower Upper

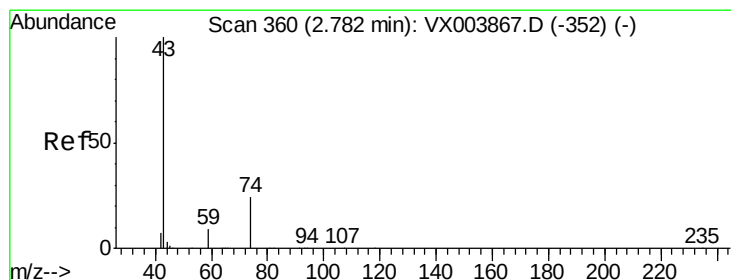
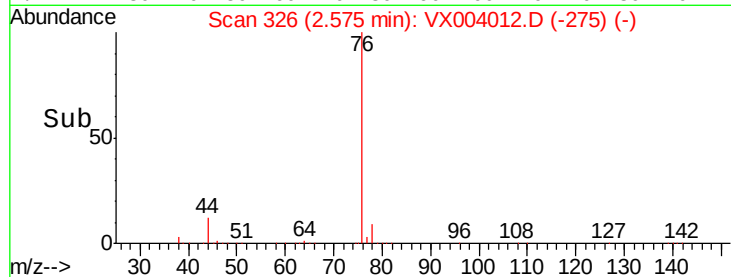
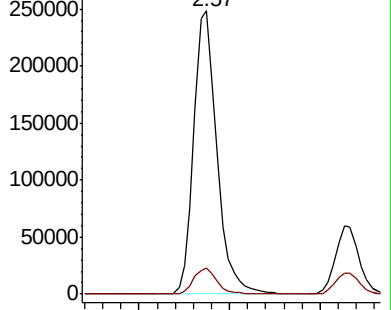
76 100

78 9.4 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: 53.98 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.01 min

Lab File: VX004012.D

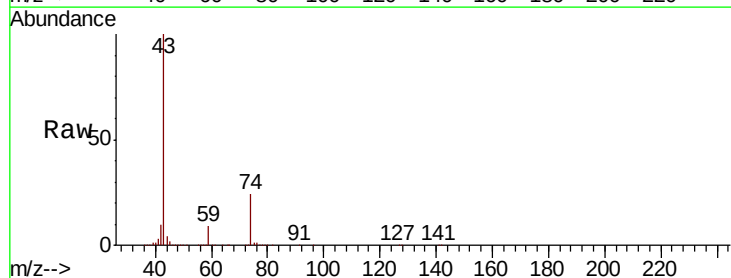
Acq: 13 Aug 2018 20:33

Tgt Ion: 43 Resp: 297484

Ion Ratio Lower Upper

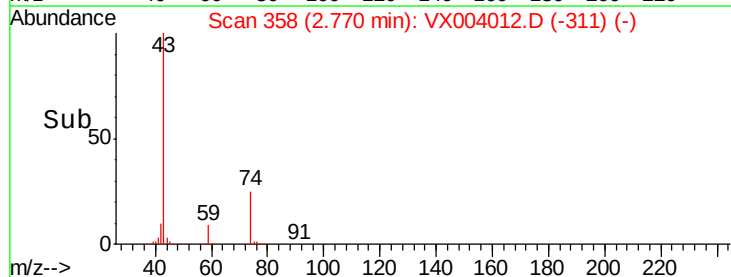
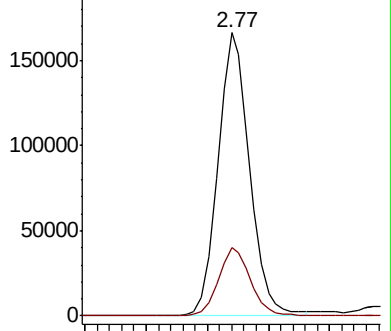
43 100

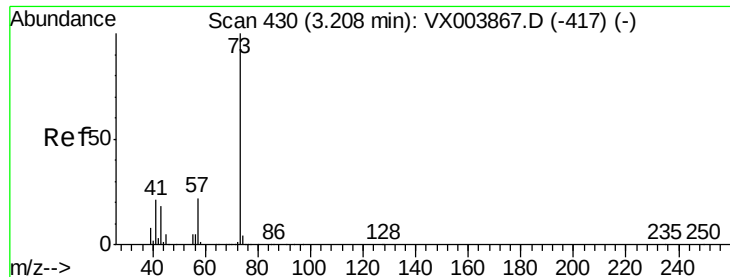
74 24.7 18.9 28.3



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: 53.29 ug/l

RT: 3.20 min Scan# 428

Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

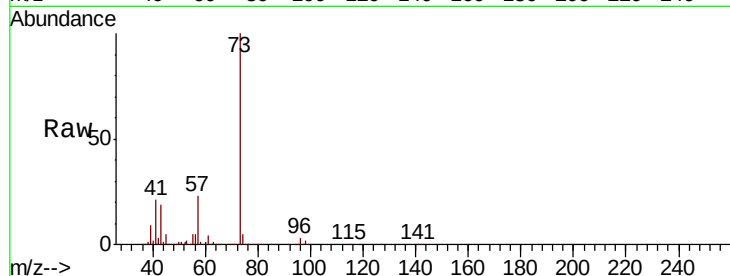
VSTDCCC050EC

Tot Ion: 73 Resp: 650491

Ion Ratio Lower Upper

73 100

57 23.0 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

300000

250000

200000

150000

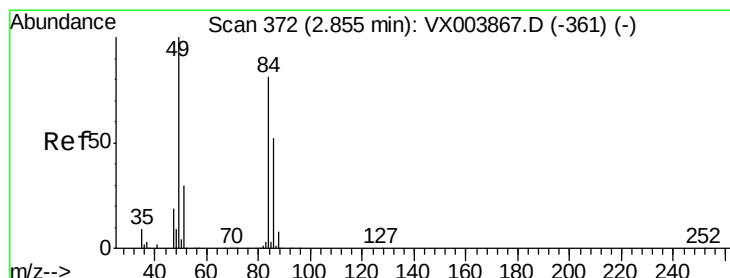
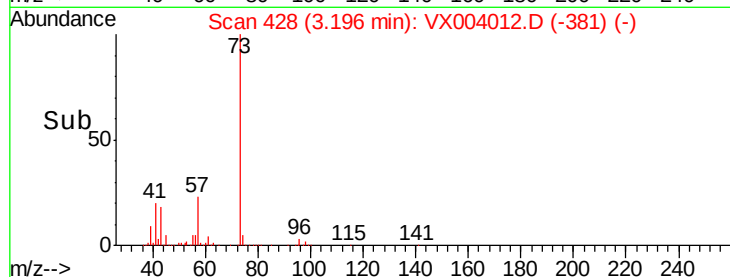
100000

50000

0

3.10 3.20 3.30 3.40

Time-->



#20

Methylene Chloride

Concen: 33.56 ug/l

RT: 2.85 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Tgt Ion: 84 Resp: 205900

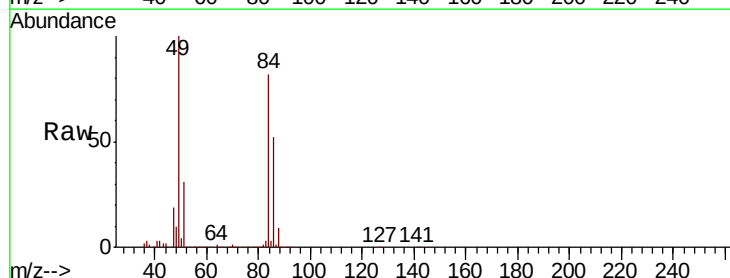
Ion Ratio Lower Upper

84 100

49 121.3 98.9 148.3

51 37.1 29.9 44.9

86 63.3 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

200000

150000

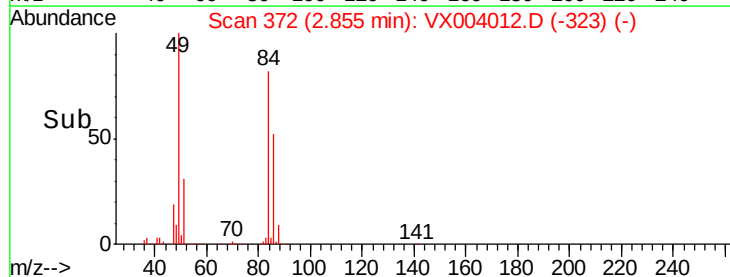
100000

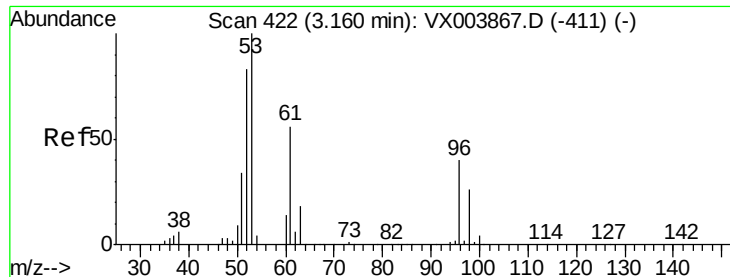
50000

0

2.80 2.90 3.00

Time-->





#21

trans-1,2-Dichloroethene

Concen: 49.00 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

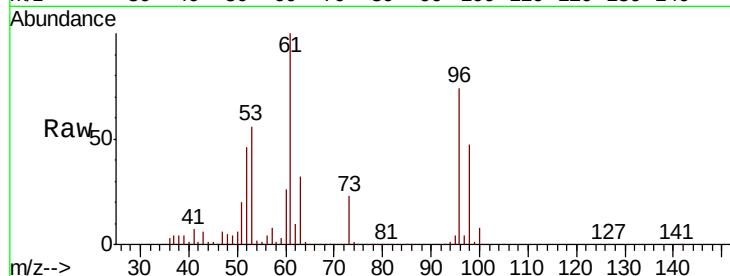
Tot Ion: 96 Resp: 191623

Ion Ratio Lower Upper

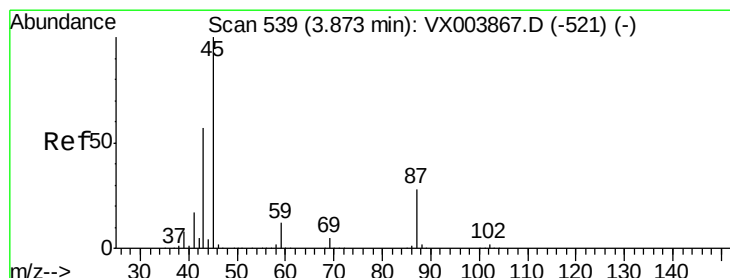
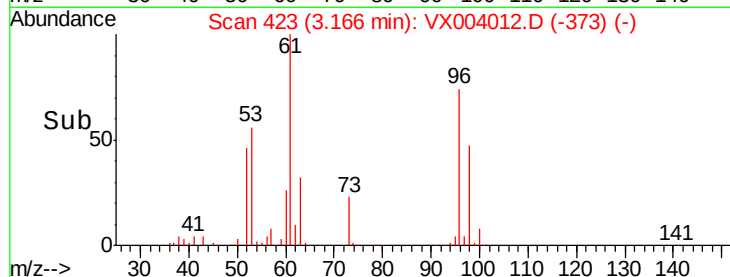
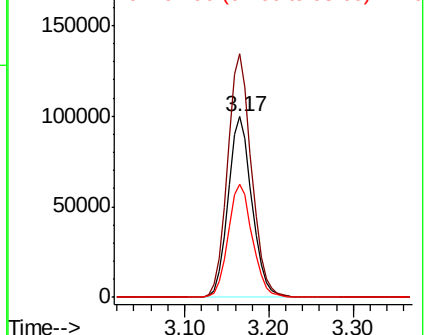
96 100

61 134.9 111.8 167.6

98 62.8 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 54.30 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Tgt Ion: 45 Resp: 662762

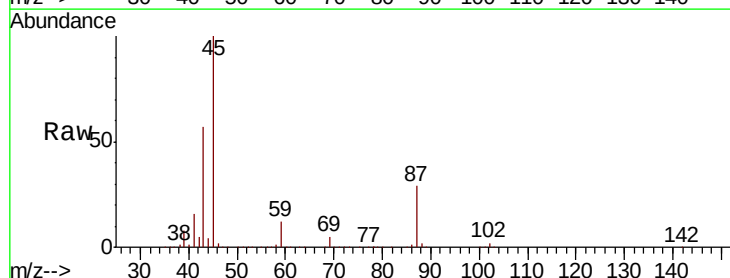
Ion Ratio Lower Upper

45 100

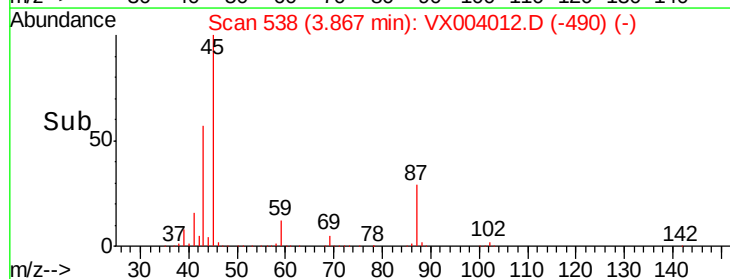
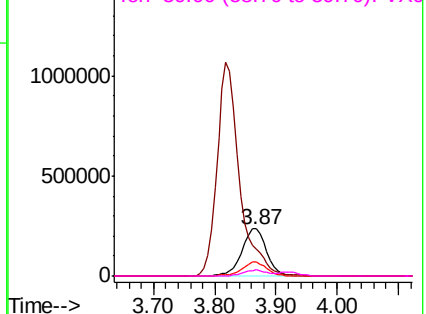
43 57.4 45.3 67.9

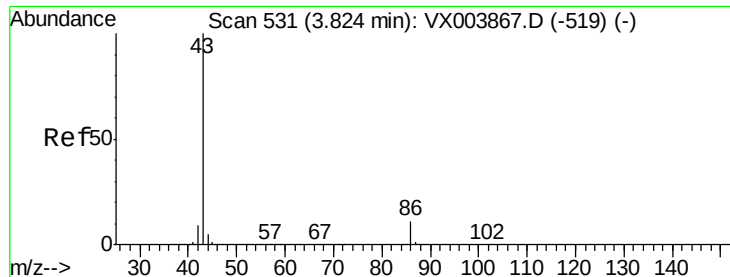
87 28.9 22.7 34.1

59 12.4 9.6 14.4



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





#23

Vinyl Acetate

Concen: 271.48 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

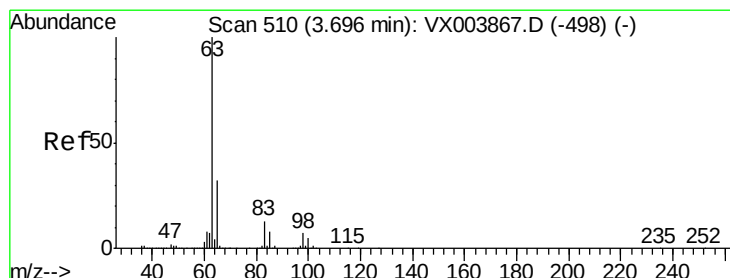
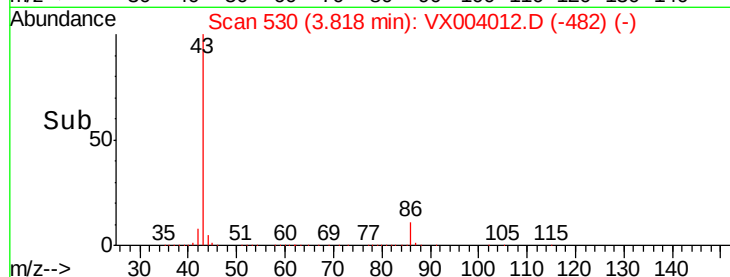
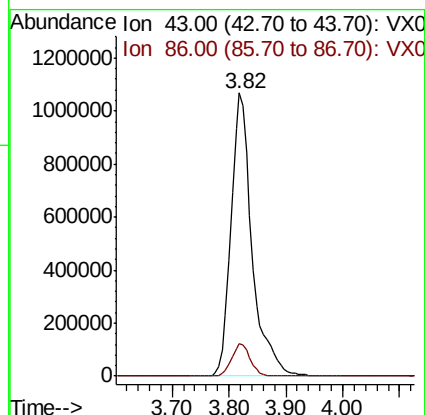
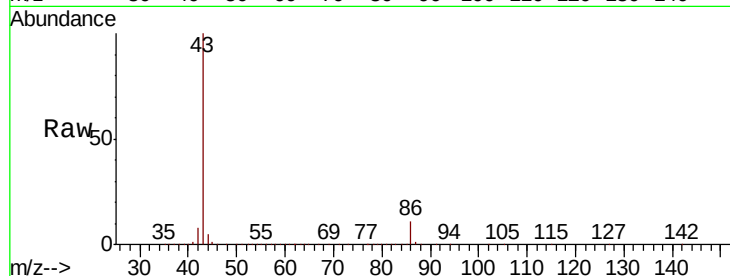
VSTDCCC050EC

Tot Ion: 43 Resp: 2757136

Ion Ratio Lower Upper

43 100

86 11.3 8.9 13.3



#24

1,1-Dichloroethane

Concen: 50.31 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

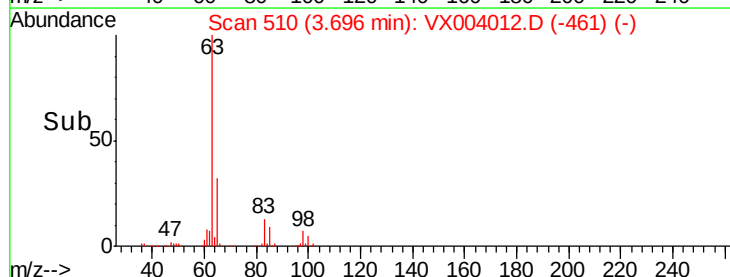
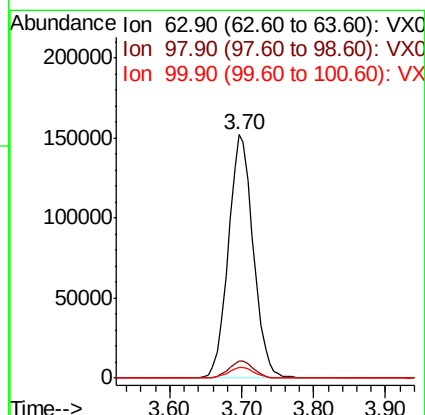
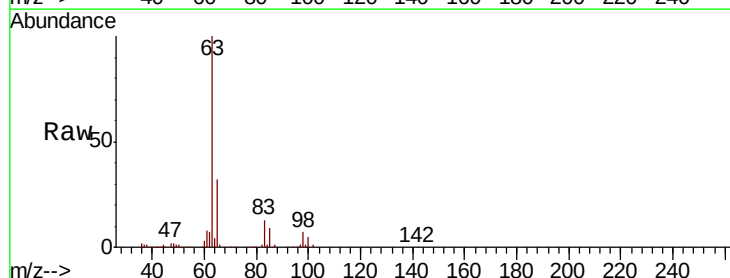
Tgt Ion: 63 Resp: 364761

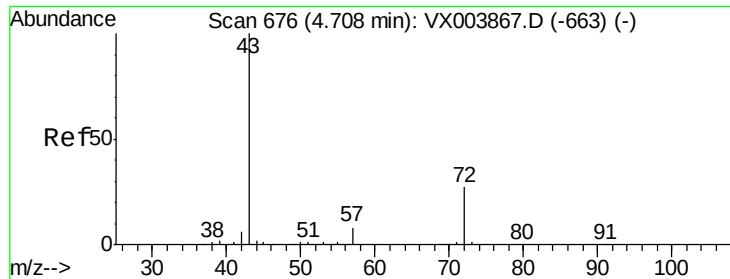
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.6 2.3 6.8





#25

2-Butanone

Concen: 264.27 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.02 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

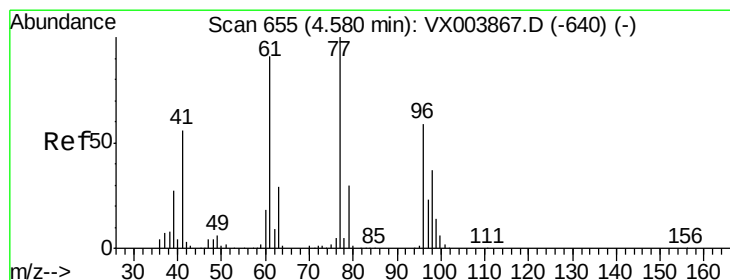
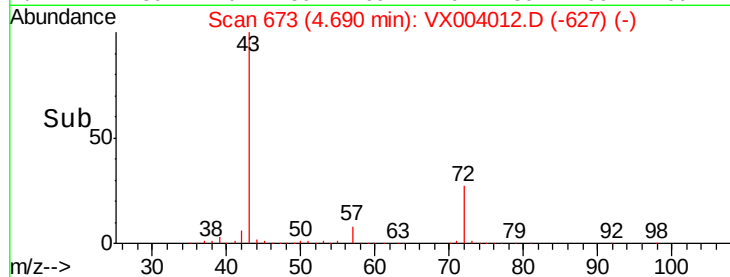
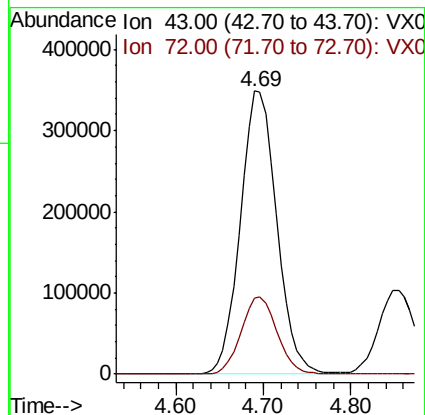
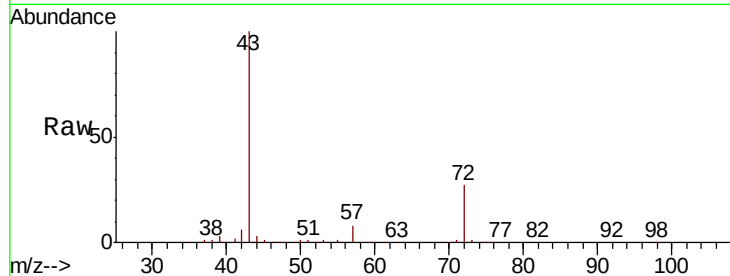
VSTDCCC050EC

Tot Ion: 43 Resp: 1005623

Ion Ratio Lower Upper

43 100

72 27.0 21.4 32.0



#26

2,2-Dichloropropane

Concen: 46.49 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX004012.D

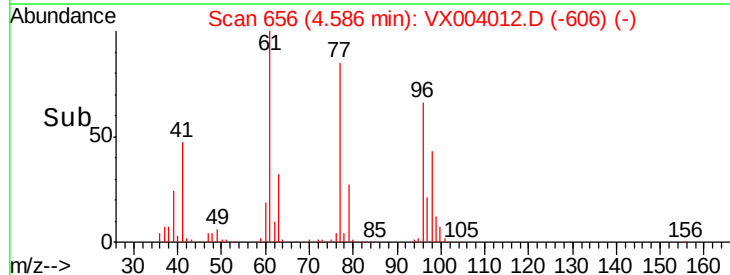
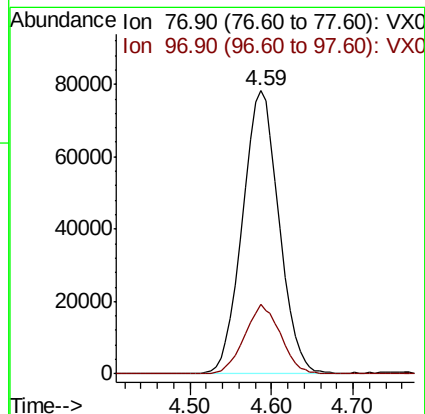
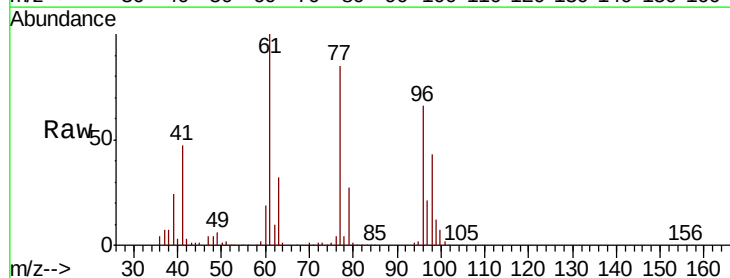
Acq: 13 Aug 2018 20:33

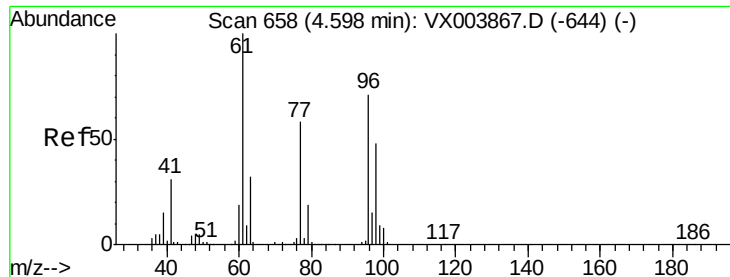
Tgt Ion: 77 Resp: 243085

Ion Ratio Lower Upper

77 100

97 24.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.50 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

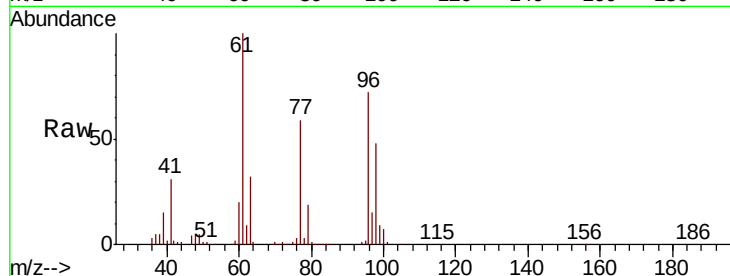
Tot Ion: 96 Resp: 222751

Ion Ratio Lower Upper

96 100

61 144.3 0.0 293.0

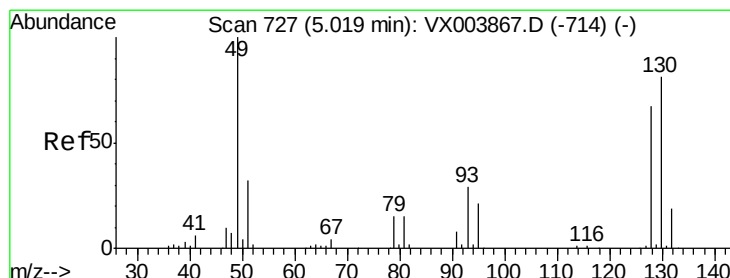
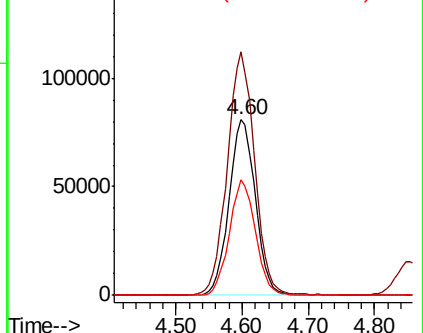
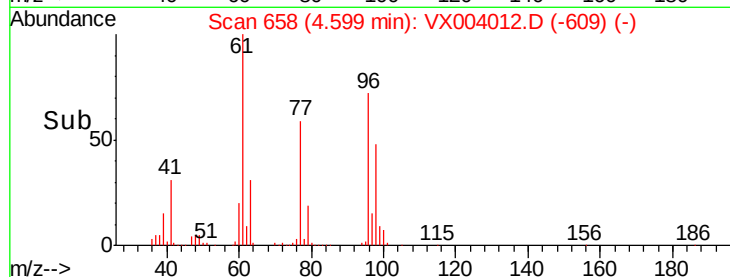
98 65.3 0.0 131.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 50.48 ug/l

RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

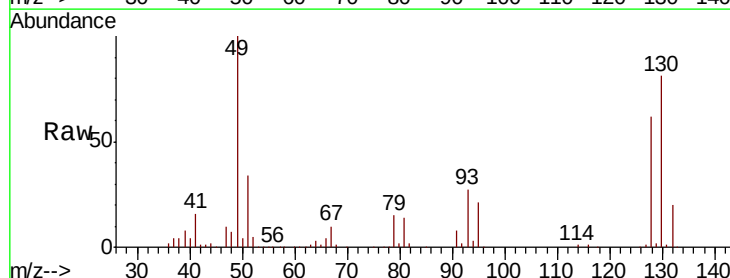
Tgt Ion: 49 Resp: 156635

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

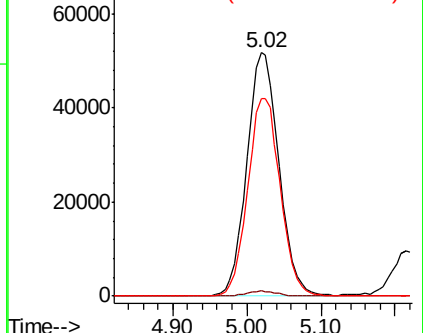
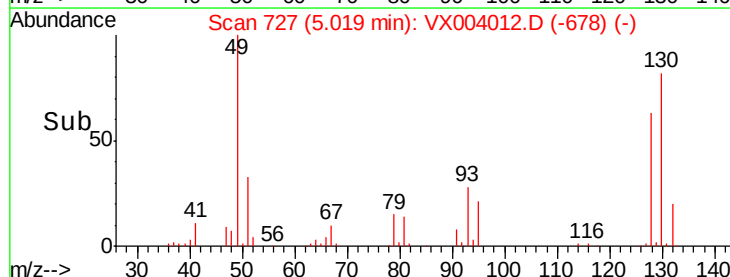
130 82.1 66.5 99.7

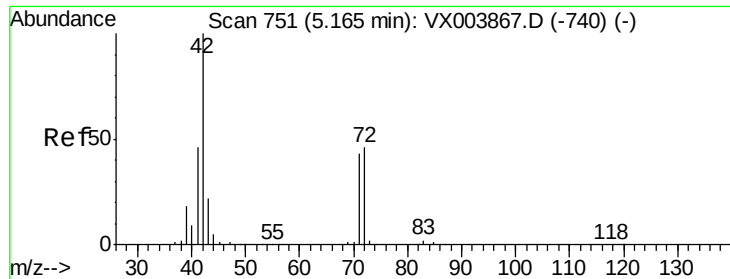


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 261.89 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

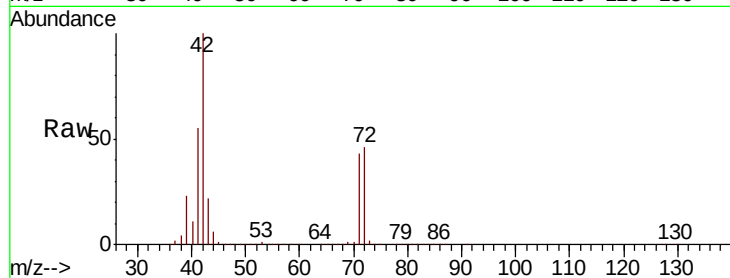
Tot Ion: 42 Resp: 512208

Ion Ratio Lower Upper

42 100

72 46.4 37.7 56.5

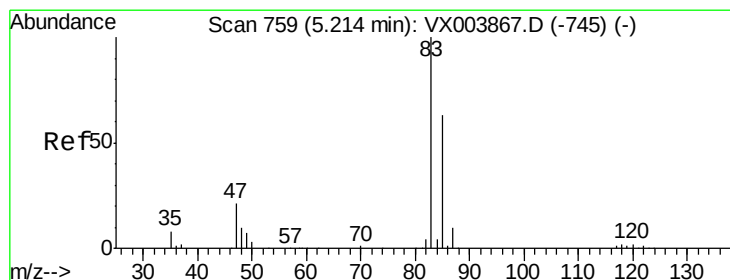
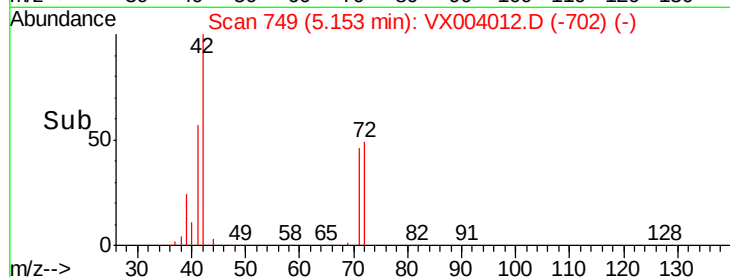
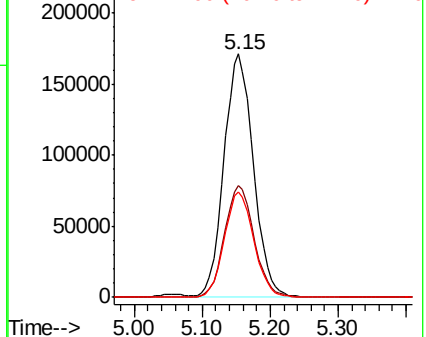
71 43.4 35.0 52.6



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: 52.77 ug/l

RT: 5.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX004012.D

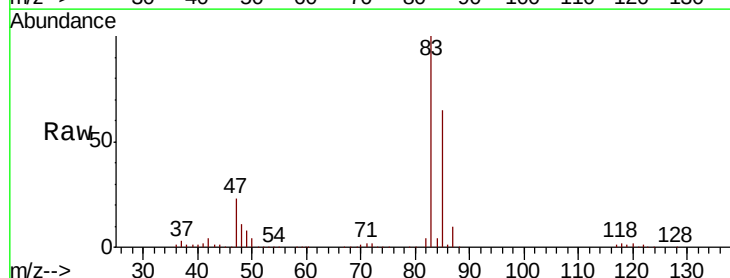
Acq: 13 Aug 2018 20:33

Tgt Ion: 83 Resp: 360195

Ion Ratio Lower Upper

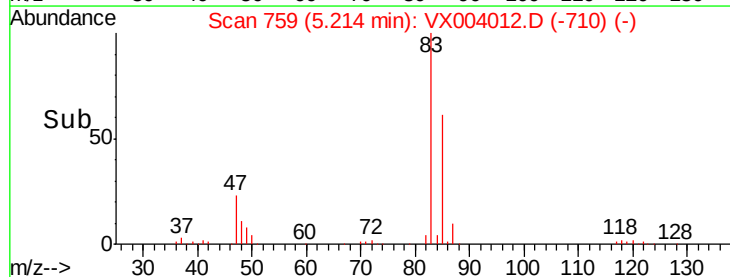
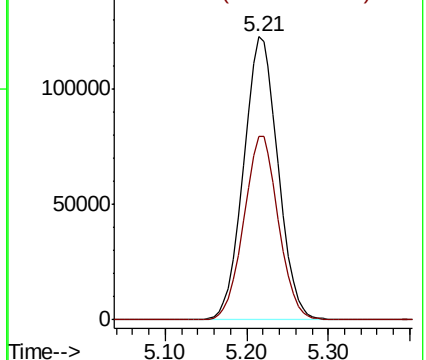
83 100

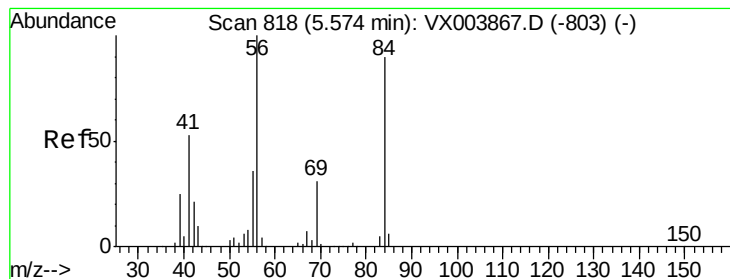
85 64.8 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 50.97 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

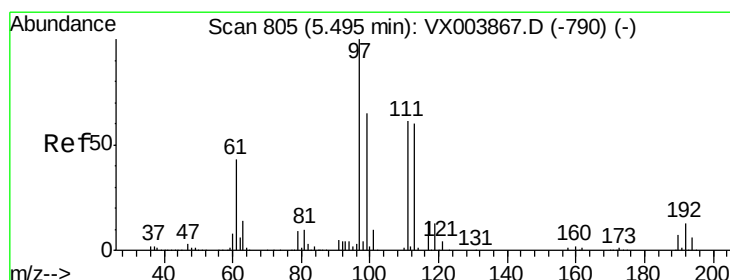
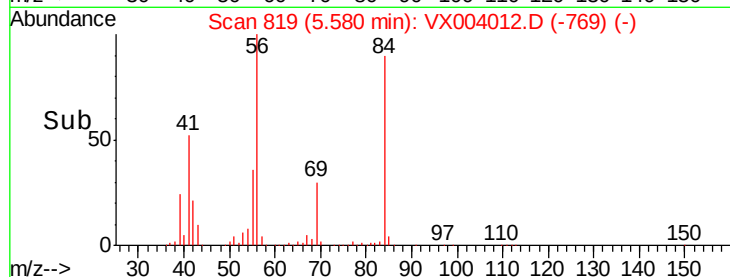
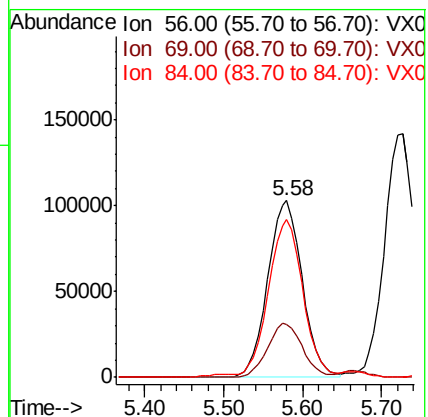
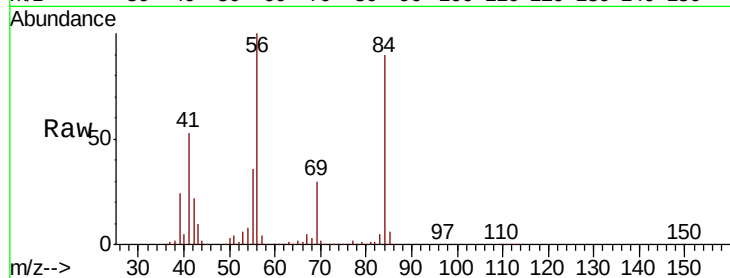
Tot Ion: 56 Resp: 312506

Ion Ratio Lower Upper

56 100

69 29.8 24.9 37.3

84 89.4 71.7 107.5



#32

1,1,1-Trichloroethane

Concen: 53.60 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

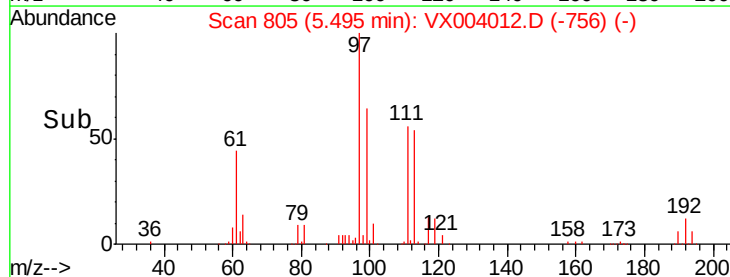
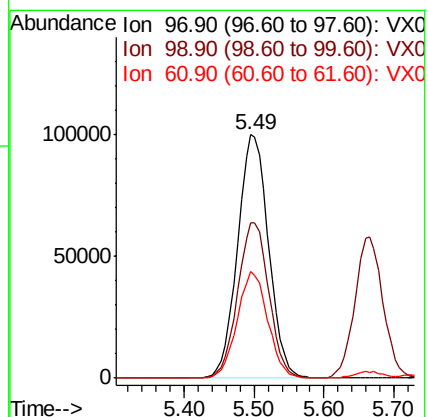
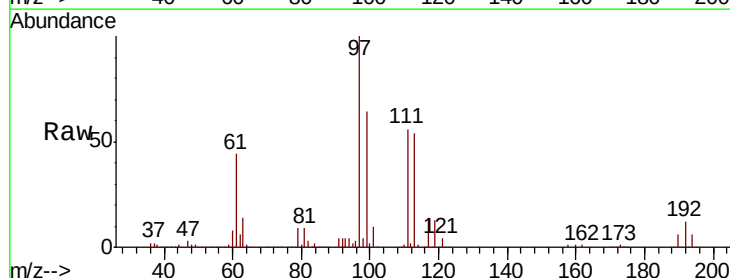
Tgt Ion: 97 Resp: 306773

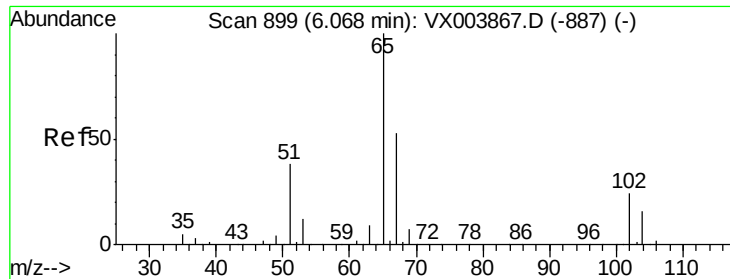
Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.8

61 43.3 34.4 51.6

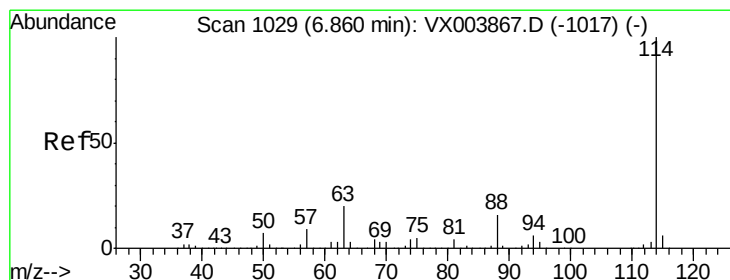
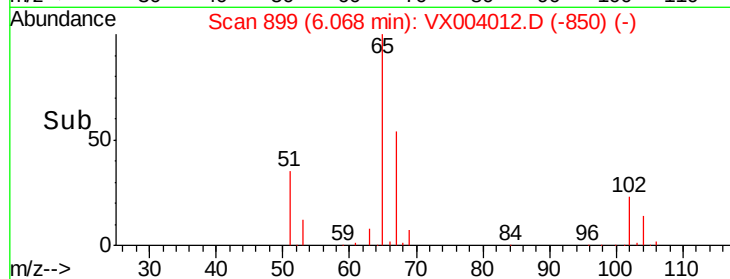
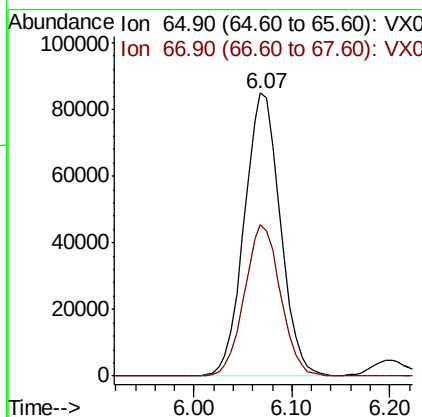
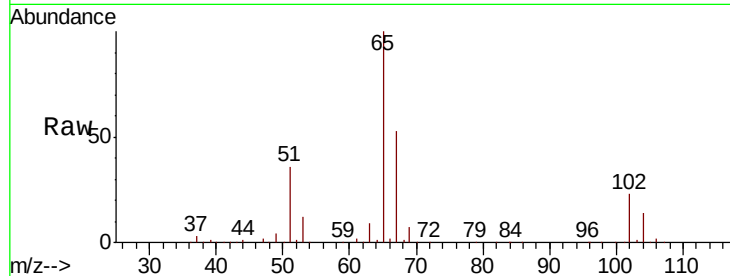




#33
 1,2-Dichloroethane-d4
 Concen: 51.28 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

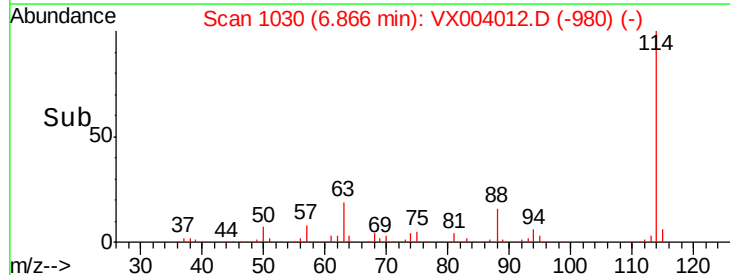
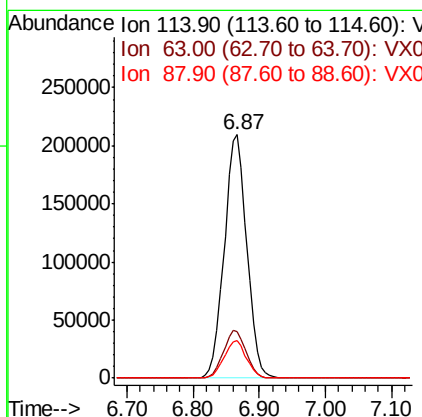
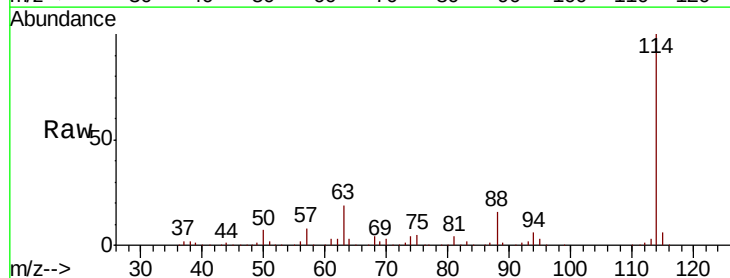
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

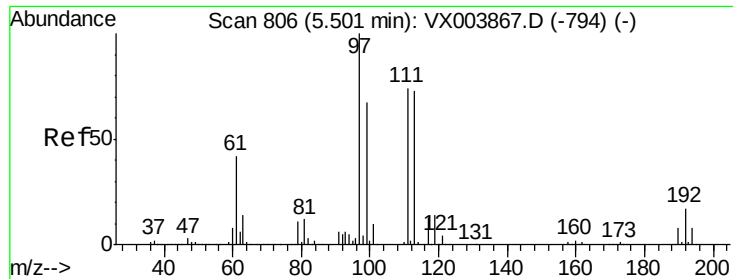
Tot Ion: 65 Resp: 218136
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion: 114 Resp: 492645
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.6 0.0 32.0

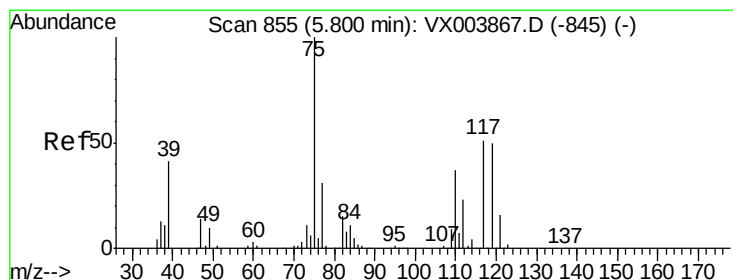
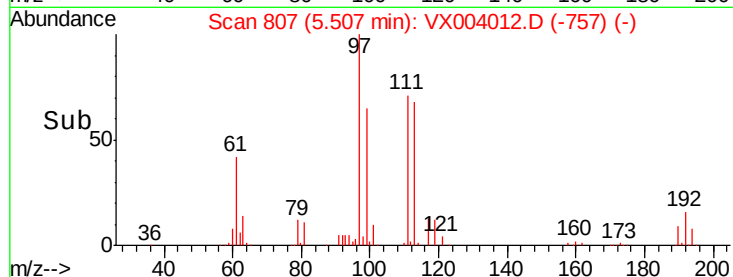
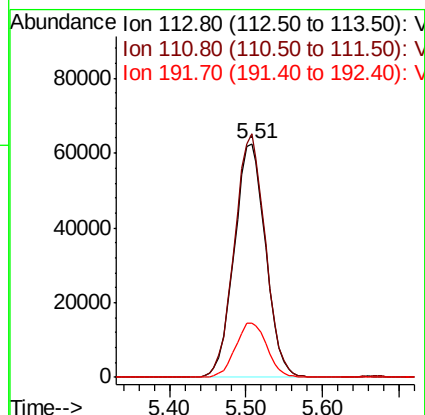
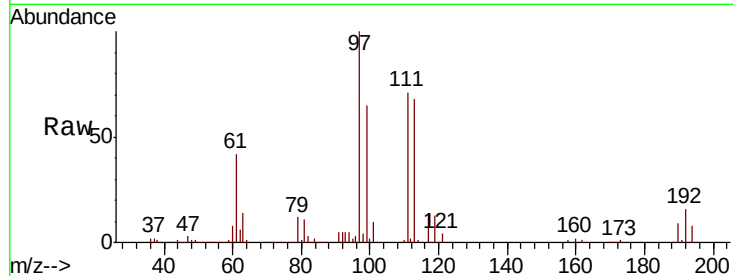




#35
 Dibromofluoromethane
 Concen: 47.41 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

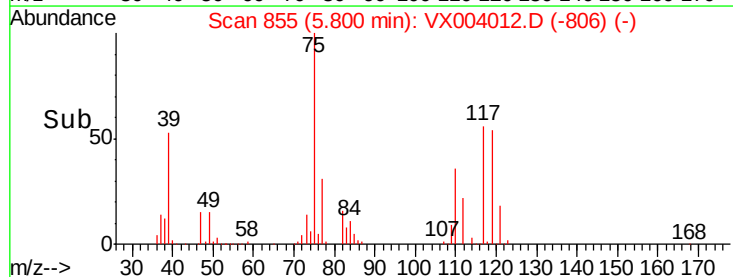
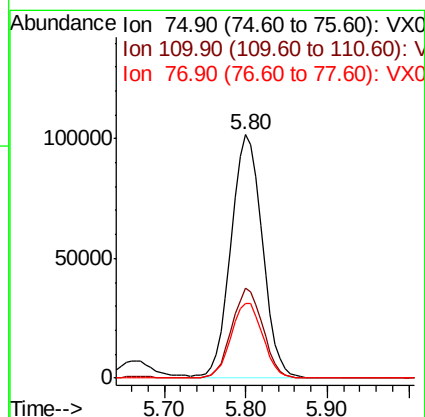
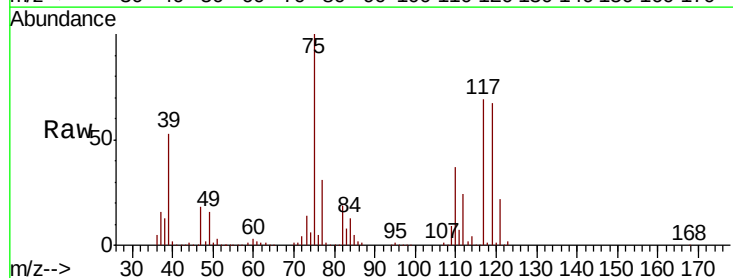
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

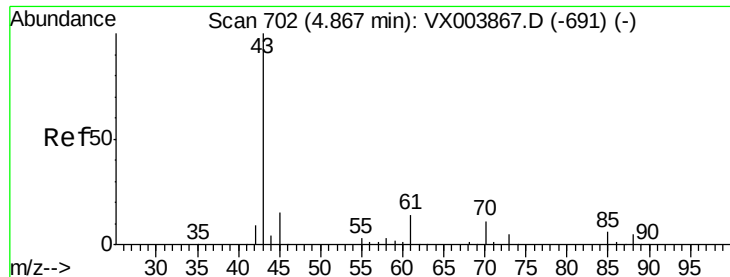
Tot Ion:113 Resp: 176933
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.0 123.0
 192 23.4 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 48.92 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion: 75 Resp: 269934
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.2 54.6
 77 31.3 25.0 37.4





#37

Ethyl Acetate

Concen: 50.73 ug/l

RT: 4.85 min Scan# 699

Delta R.T. -0.02 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

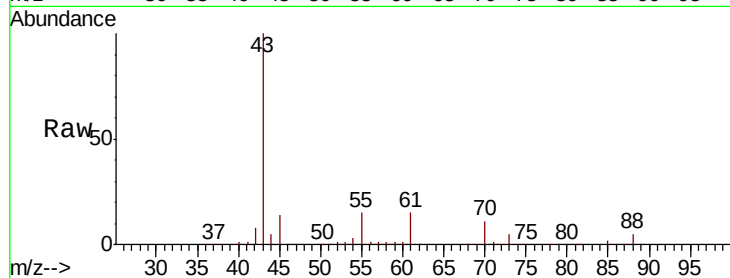
Tot Ion: 43 Resp: 307921

Ion Ratio Lower Upper

43 100

61 14.8 11.5 17.3

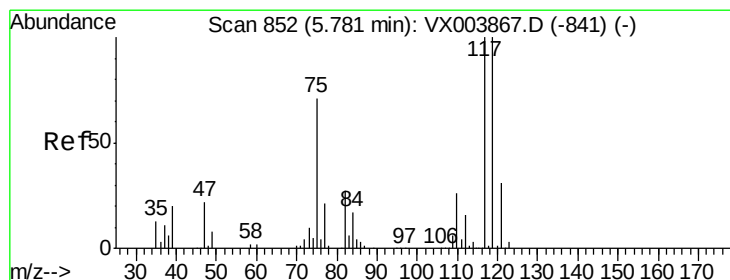
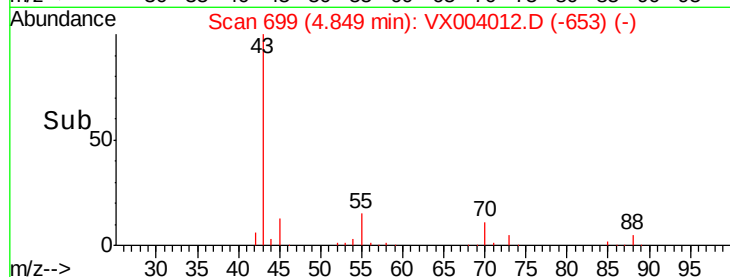
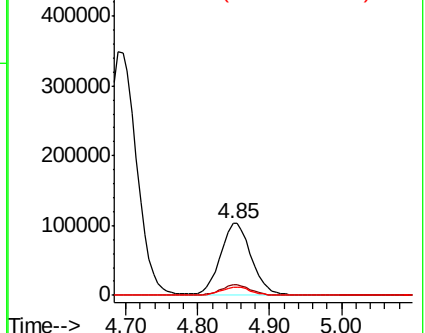
70 11.3 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 50.76 ug/l

RT: 5.79 min Scan# 853

Delta R.T. 0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

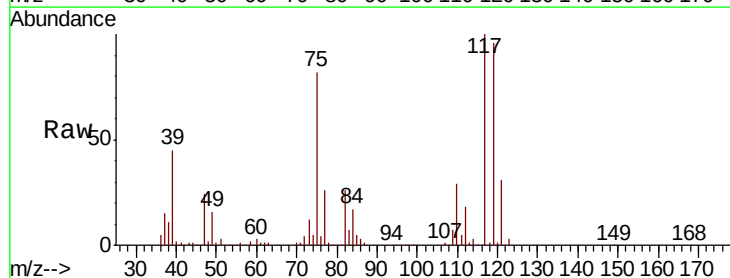
Tgt Ion: 117 Resp: 266587

Ion Ratio Lower Upper

117 100

119 95.8 79.5 119.3

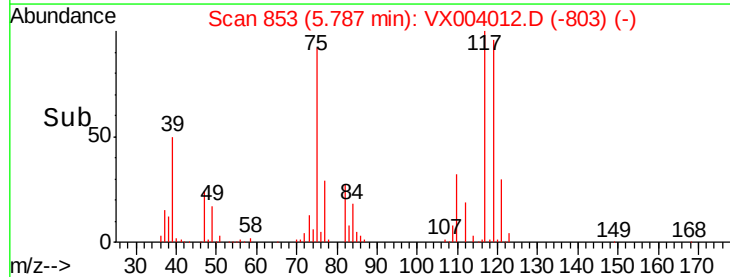
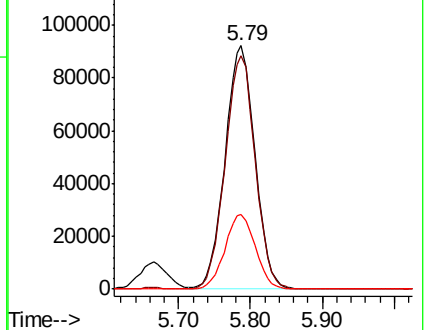
121 30.5 25.0 37.4

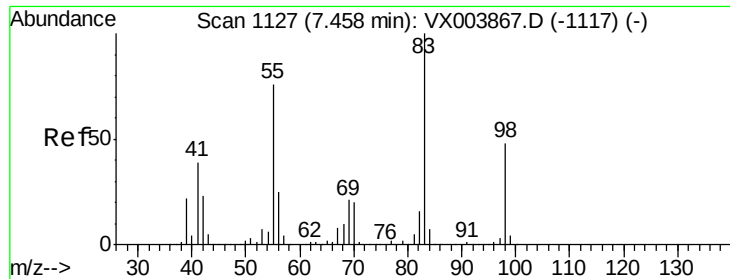


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

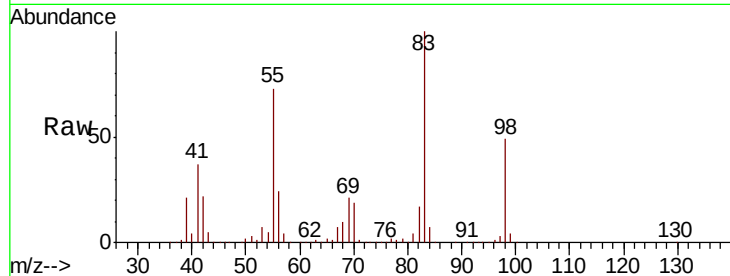




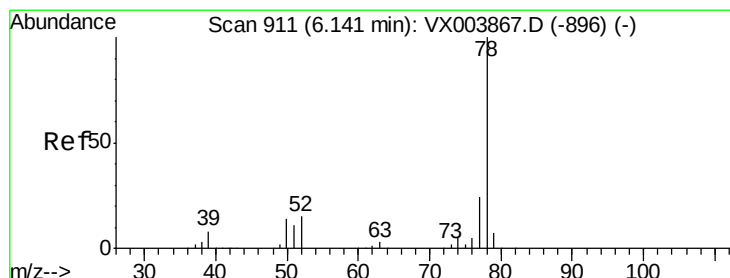
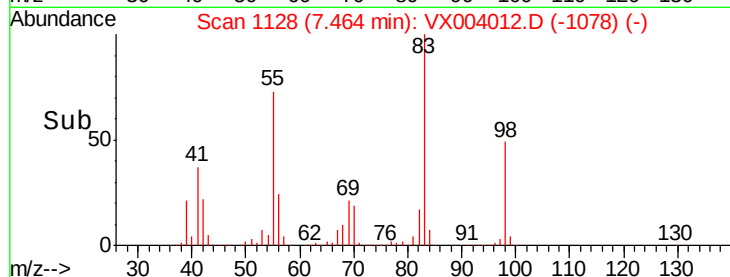
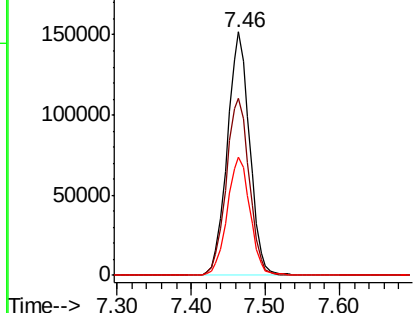
#39
Methylvlcyclohexane
Concen: 48.94 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	61.0	91.6
98	48.6	38.6	57.8

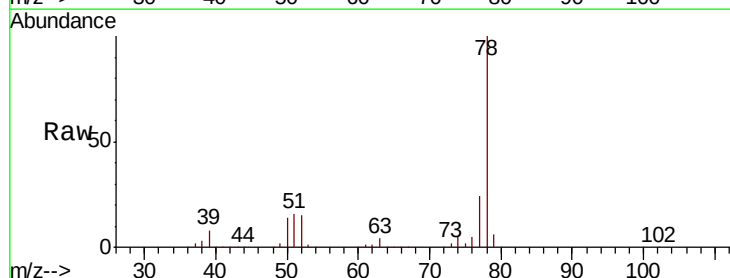


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

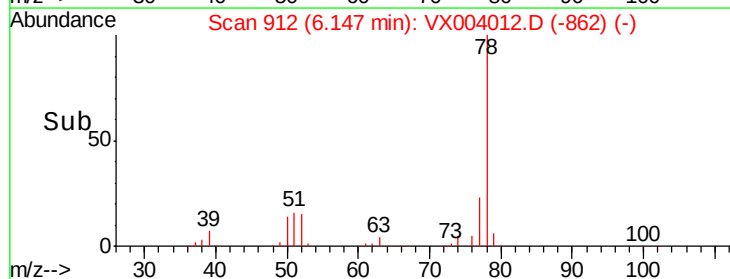
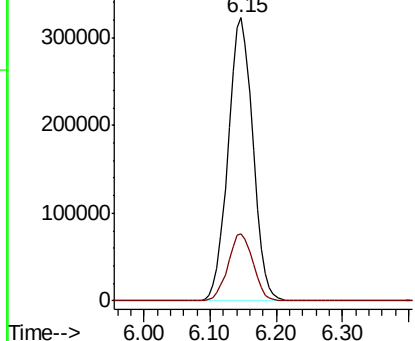


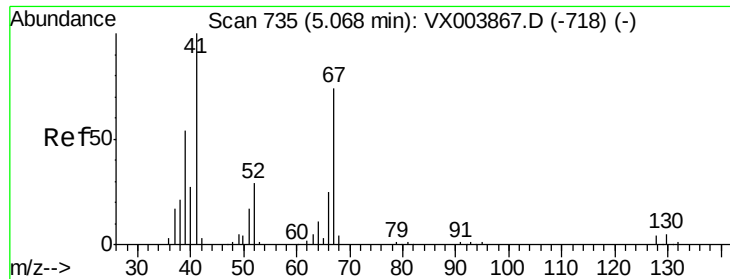
#40
Benzene
Concen: 50.61 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4



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

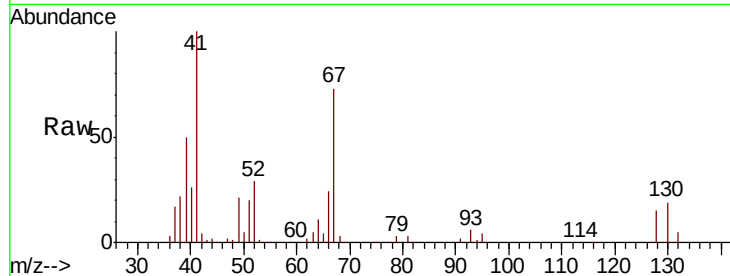




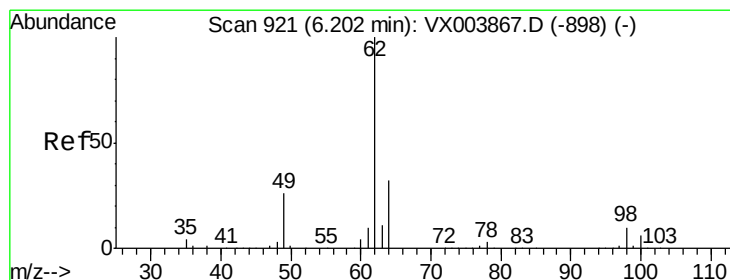
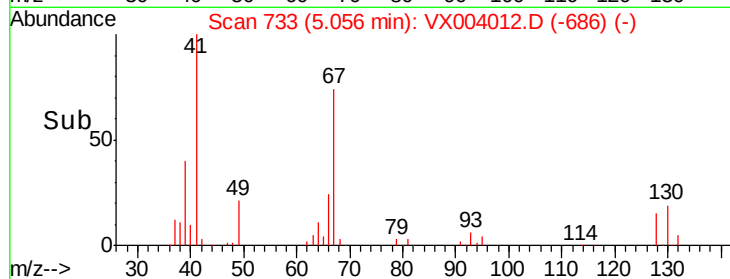
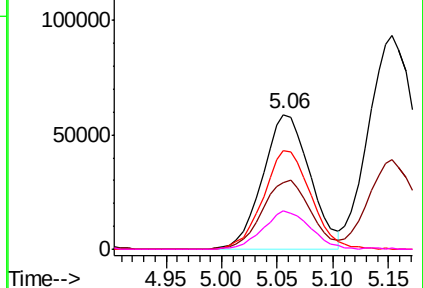
#41
Methacrylonitrile
Concen: 51.96 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion:	41	Resp:	173692
Ion	Ratio	Lower	Upper
41	100		
39	52.3	42.7	64.1
67	73.9	58.9	88.3
52	28.5	22.6	33.8

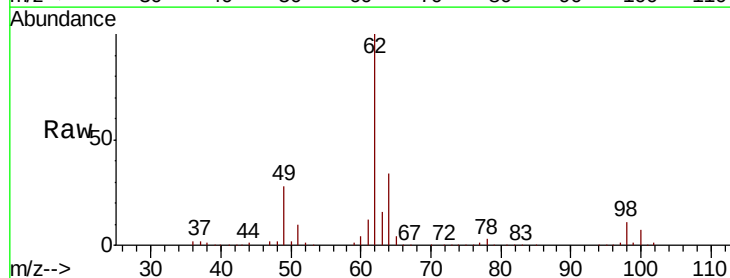


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

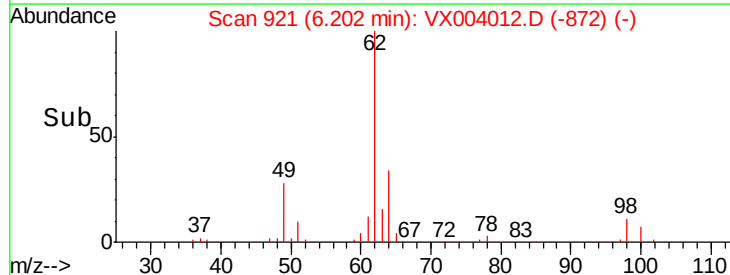
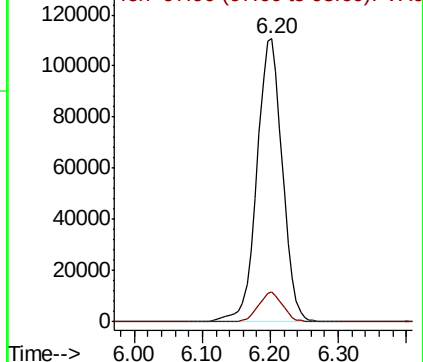


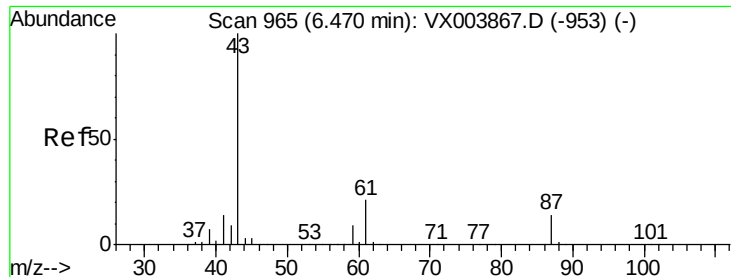
#42
1,2-Dichloroethane
Concen: 51.64 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion:	62	Resp:	289303
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4



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





#43

Isopropyl Acetate

Concen: 52.73 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

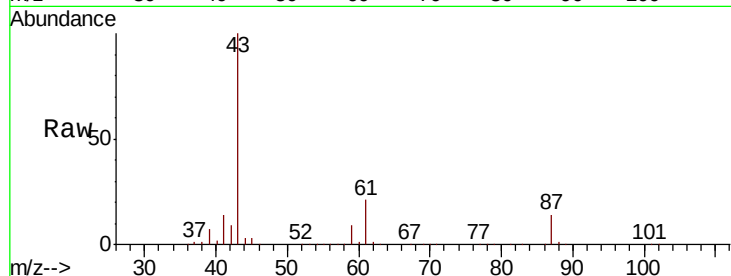
Tot Ion: 43 Resp: 481621

Ion Ratio Lower Upper

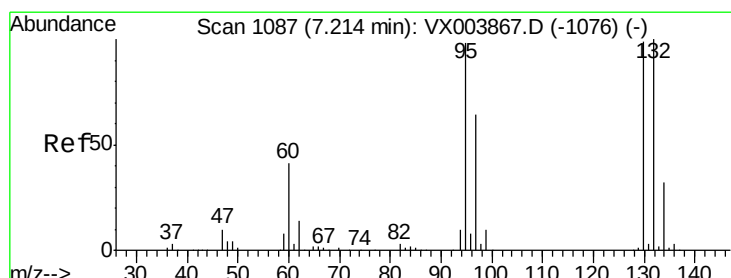
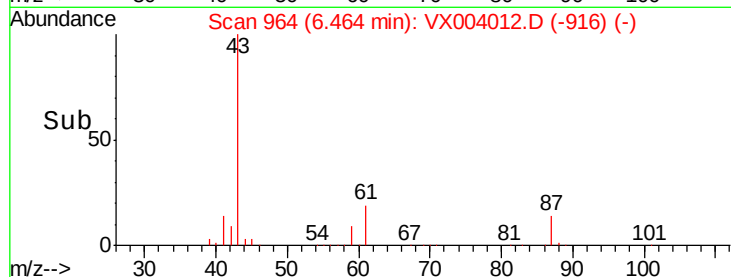
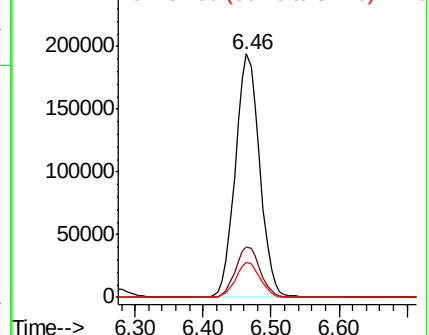
43 100

61 21.2 16.9 25.3

87 14.3 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 50.08 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX004012.D

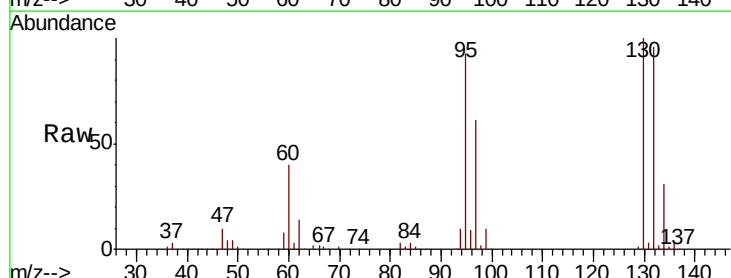
Acq: 13 Aug 2018 20:33

Tgt Ion:130 Resp: 226931

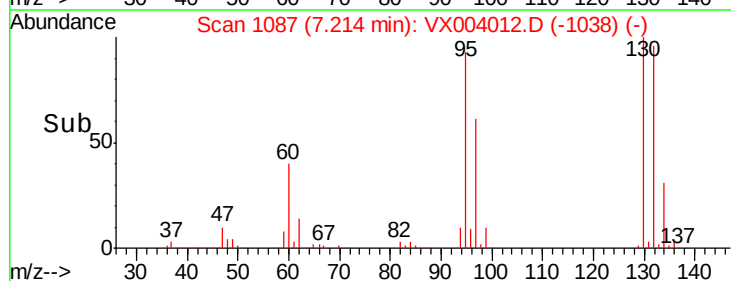
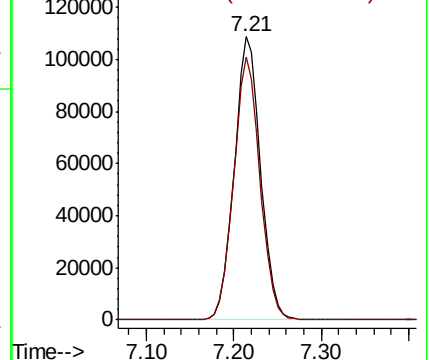
Ion Ratio Lower Upper

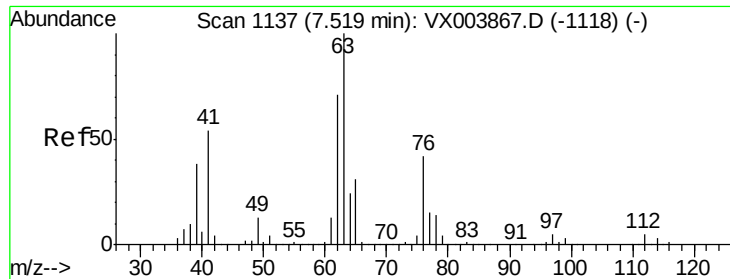
130 100

95 92.8 0.0 199.4



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

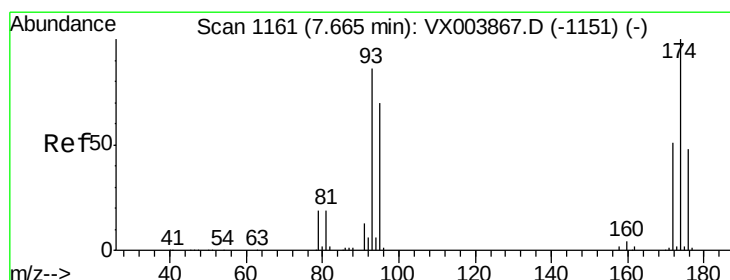
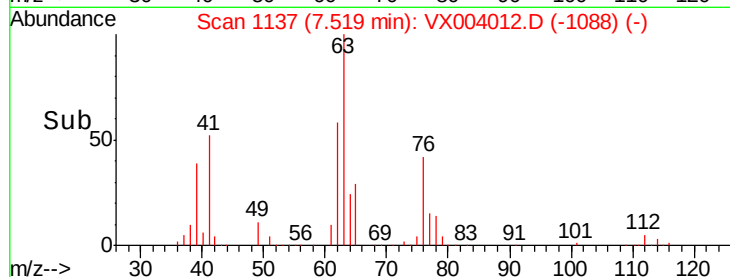
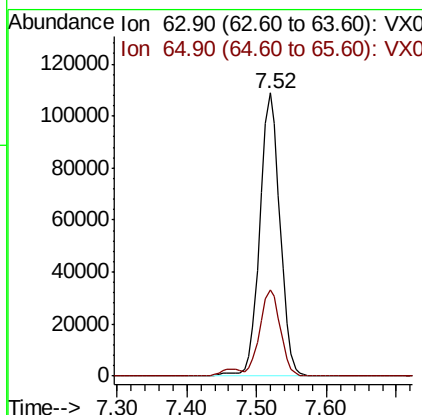
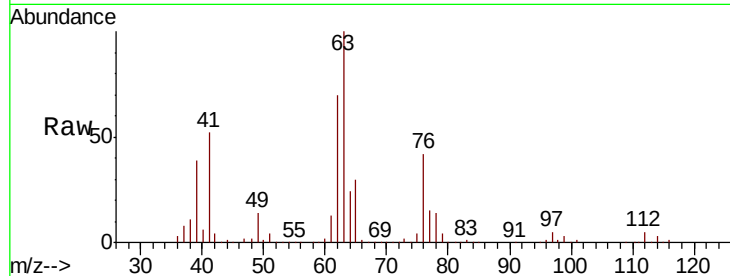




#45
 1,2-Dichloropropane
 Concen: 51.08 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

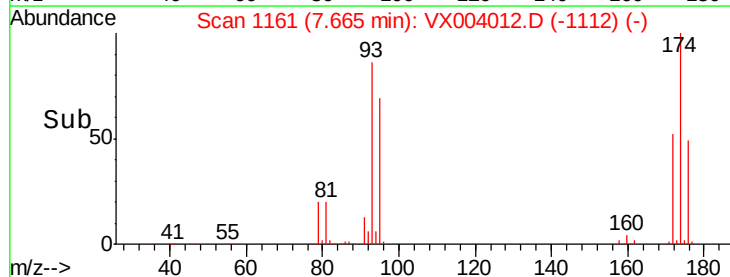
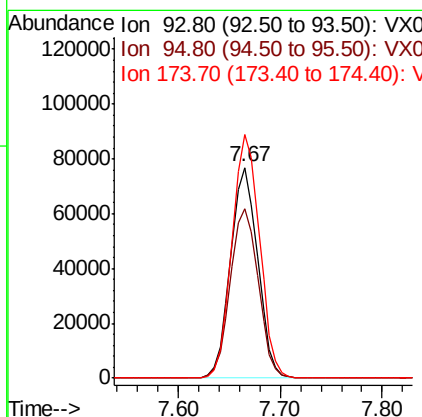
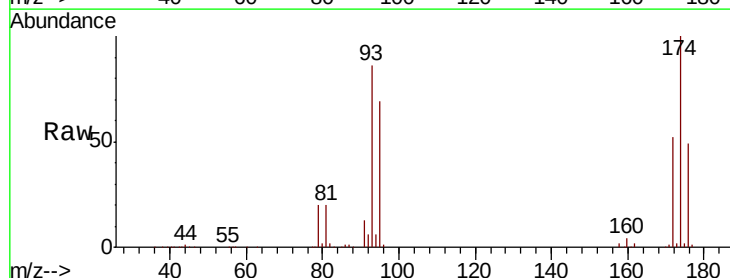
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

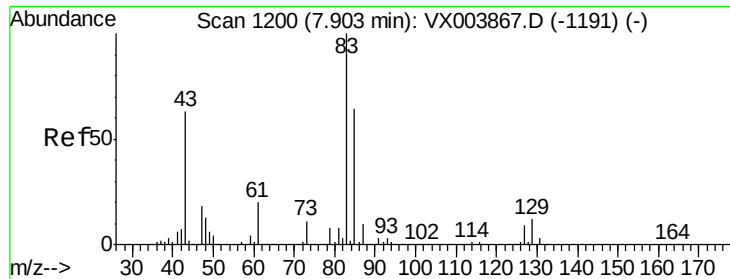
Tot Ion: 63 Resp: 218543
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 36.8



#46
 Dibromomethane
 Concen: 51.03 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion: 93 Resp: 141758
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.4 99.6
 174 117.4 94.3 141.5





#47

Bromodichloromethane

Concen: 52.67 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

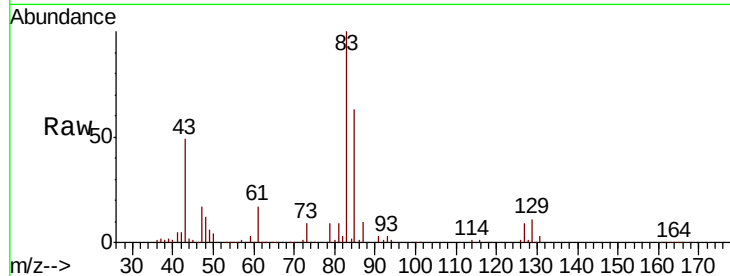
Tot Ion: 83 Resp: 275607

Ion Ratio Lower Upper

83 100

85 62.5 51.2 76.8

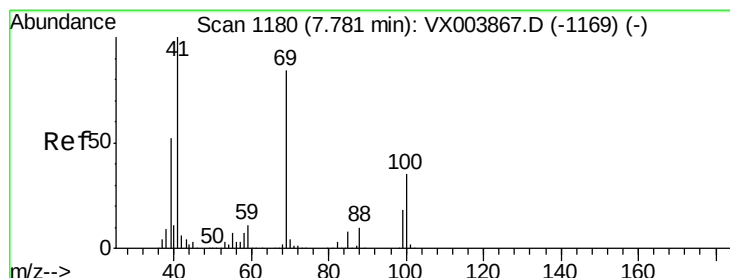
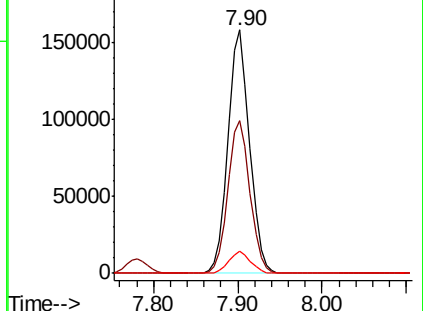
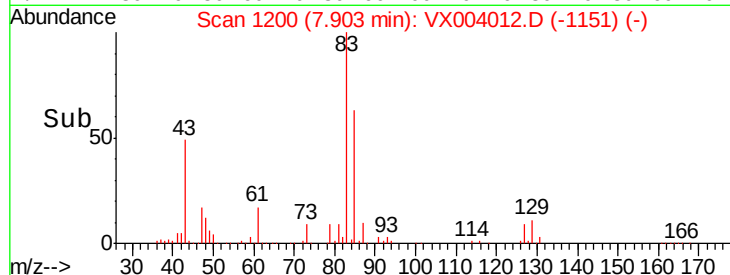
127 9.0 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.64 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

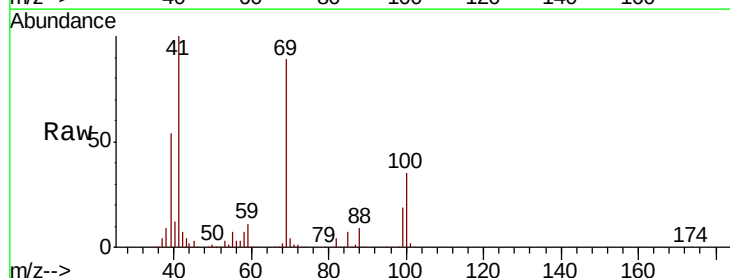
Tgt Ion: 41 Resp: 249037

Ion Ratio Lower Upper

41 100

69 87.9 68.8 103.2

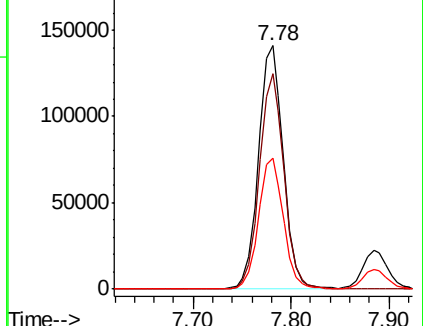
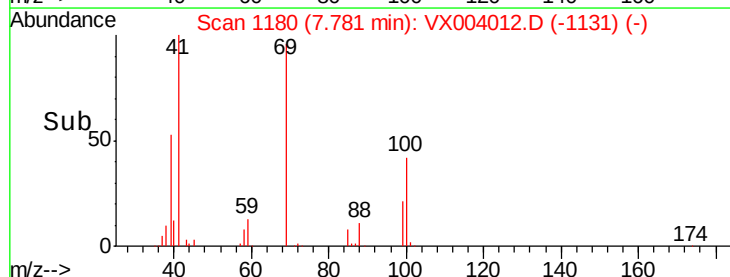
39 53.5 42.3 63.5

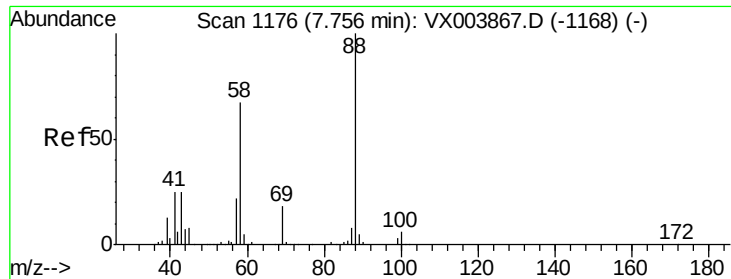


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1014.51 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

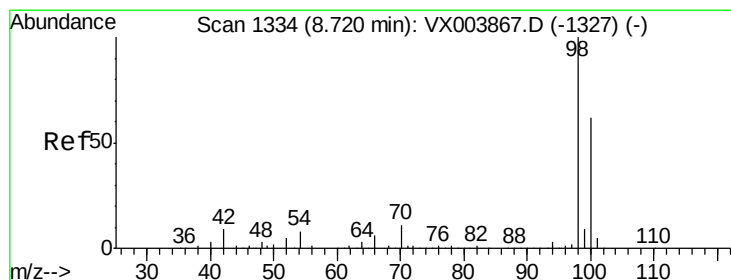
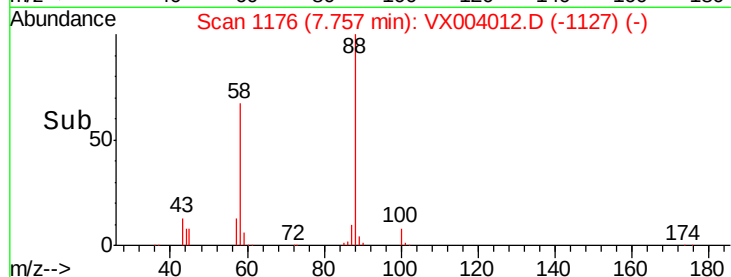
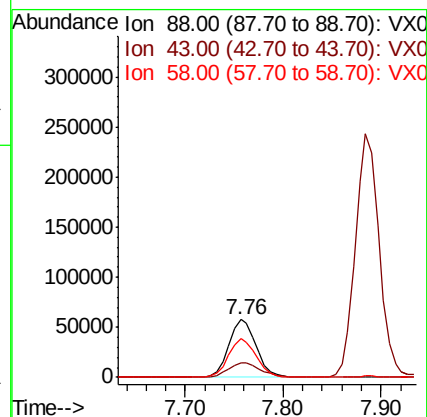
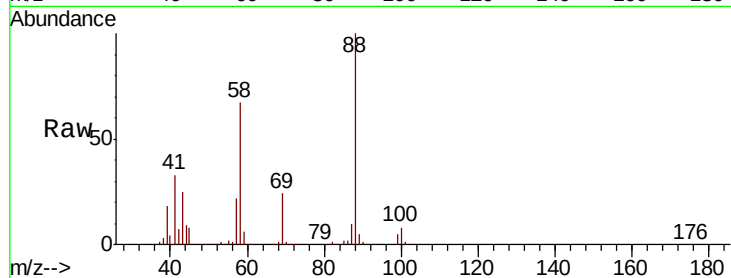
Tot Ion: 88 Resp: 110961

Ion Ratio Lower Upper

88 100

43 29.9 23.8 35.8

58 68.7 55.4 83.0



#50

Toluene-d8

Concen: 48.49 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX004012.D

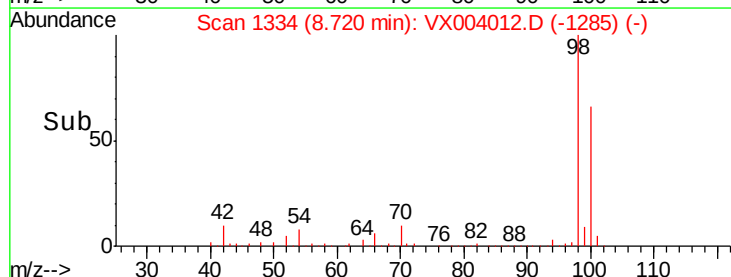
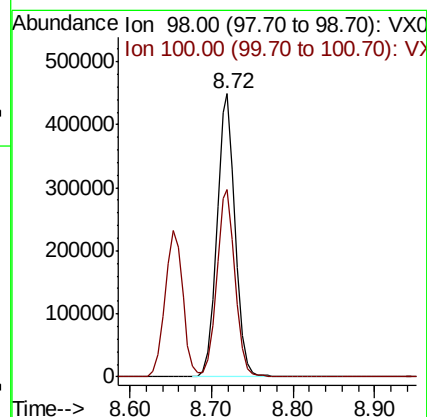
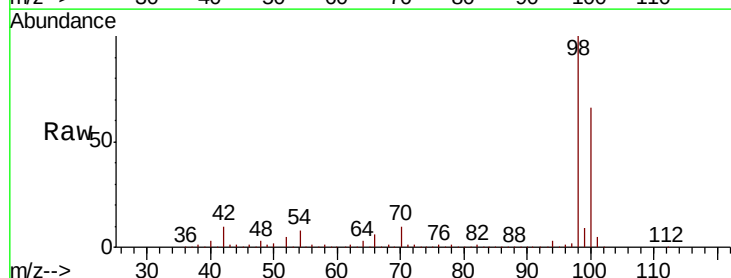
Acq: 13 Aug 2018 20:33

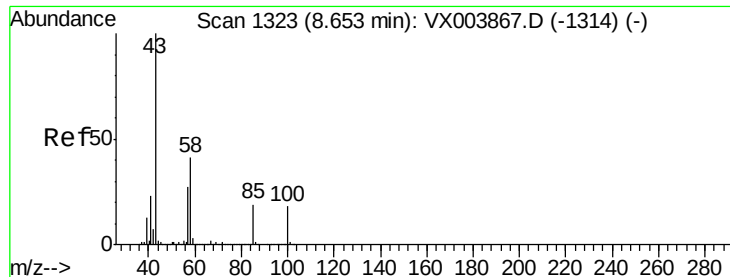
Tgt Ion: 98 Resp: 703767

Ion Ratio Lower Upper

98 100

100 67.0 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 263.82 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

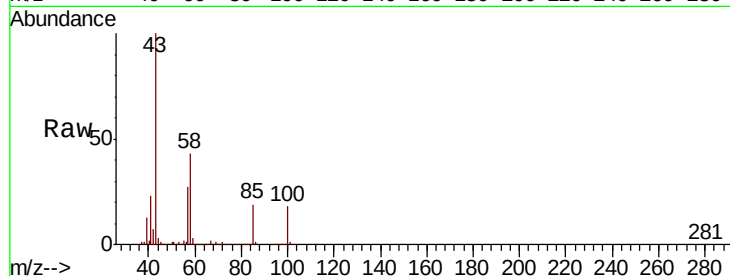
VSTDCCC050EC

Tot Ion: 43 Resp: 1997344

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

1500000

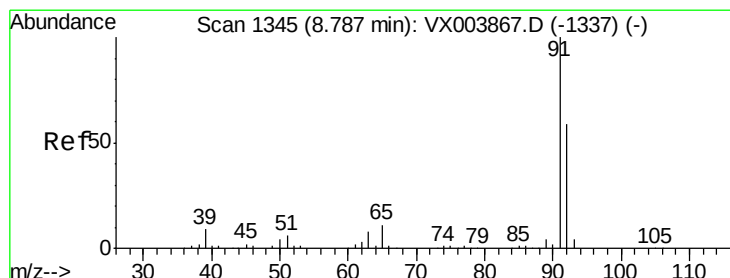
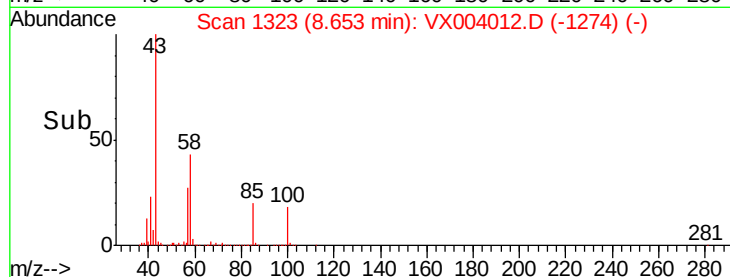
8.65

1000000

500000

0

Time--> 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 51.86 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX004012.D

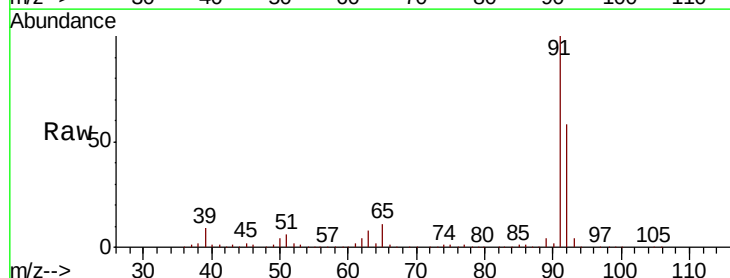
Acq: 13 Aug 2018 20:33

Tgt Ion: 92 Resp: 542920

Ion Ratio Lower Upper

92 100

91 169.3 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

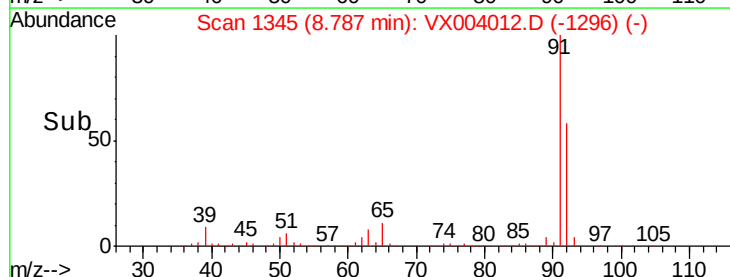
600000

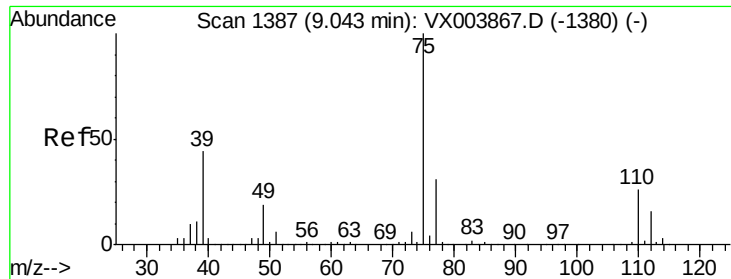
400000

200000

0

Time--> 8.70 8.80 8.90 9.00

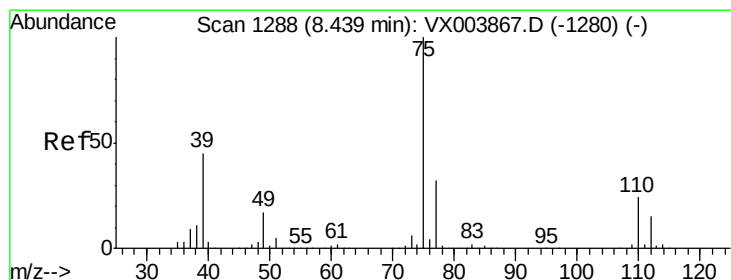
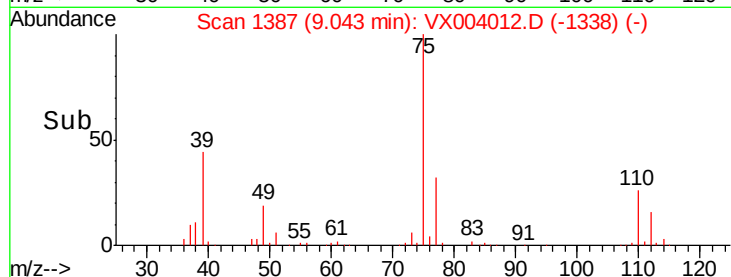
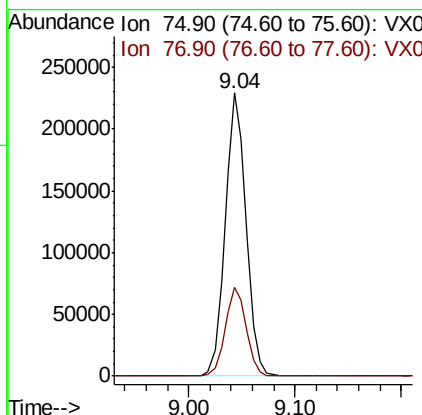
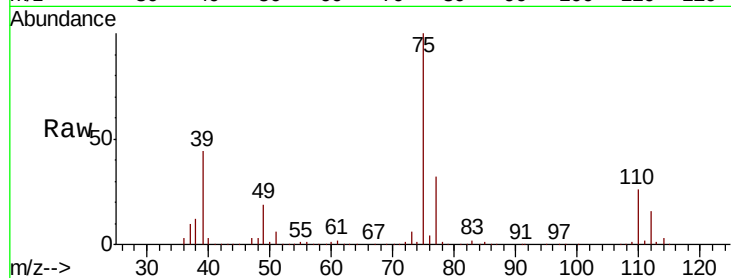




#53
 t-1,3-Dichloropropene
 Concen: 52.82 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

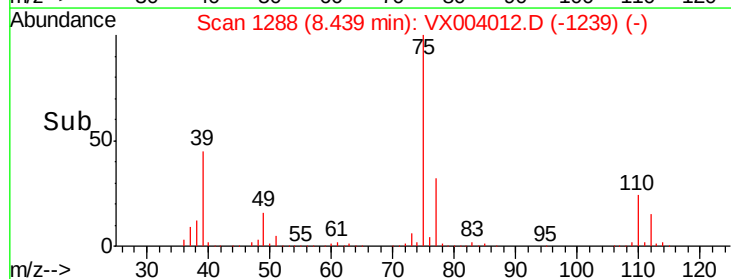
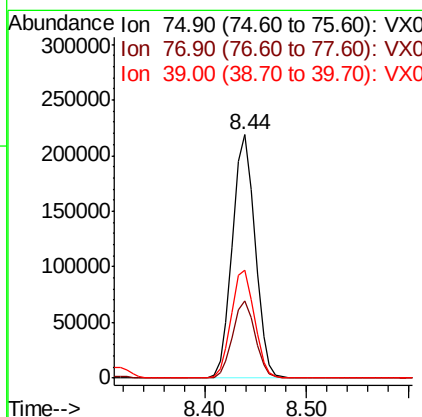
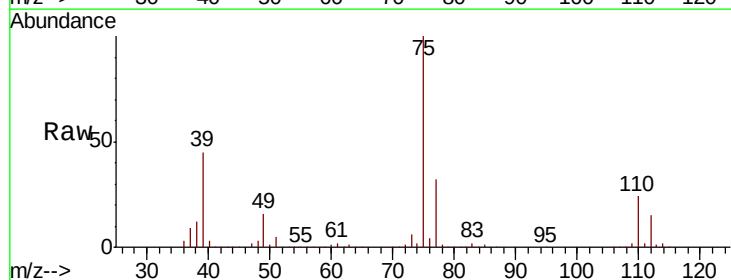
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

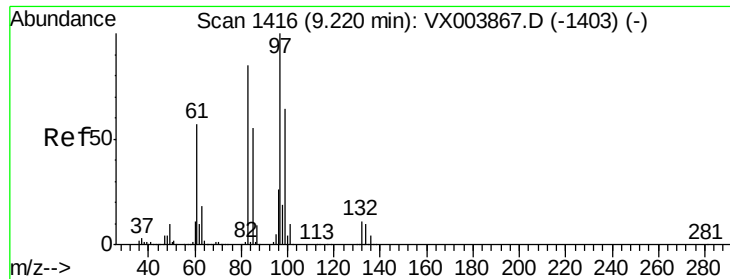
Tot Ion: 75 Resp: 312426
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 52.72 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion: 75 Resp: 336255
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.3 37.9
 39 44.5 36.2 54.2

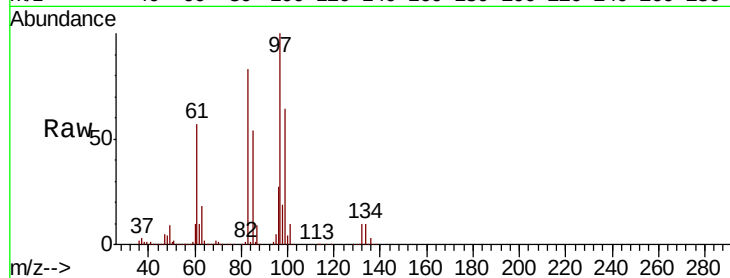




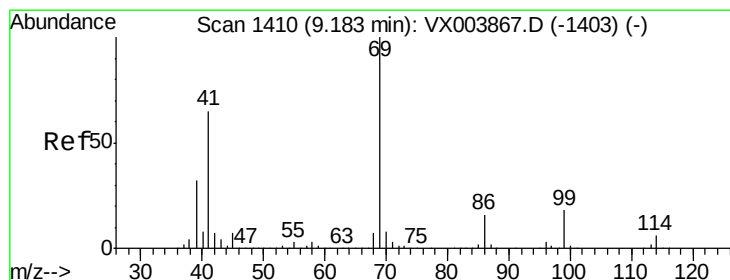
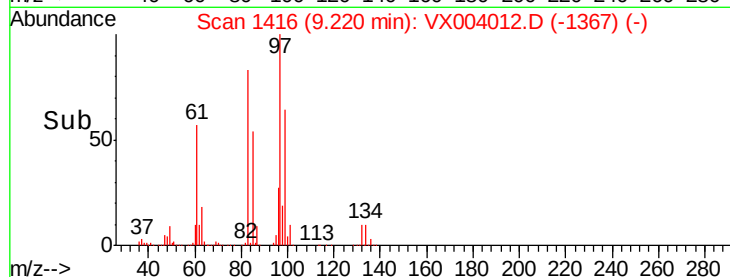
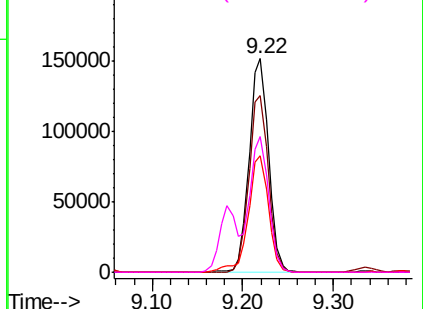
#55
 1,1,2-Trichloroethane
 Concen: 52.44 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	224337
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.8	101.6
85	54.3	44.2	66.2
99	63.6	50.8	76.2

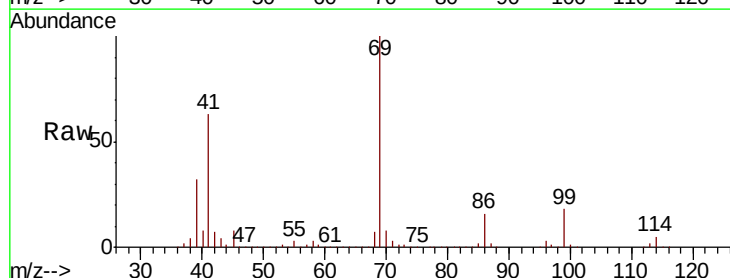


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

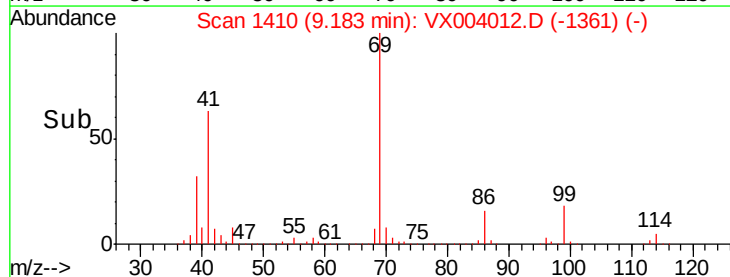
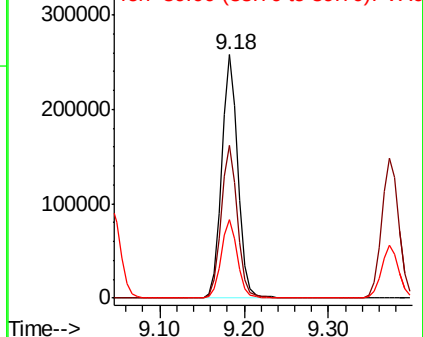


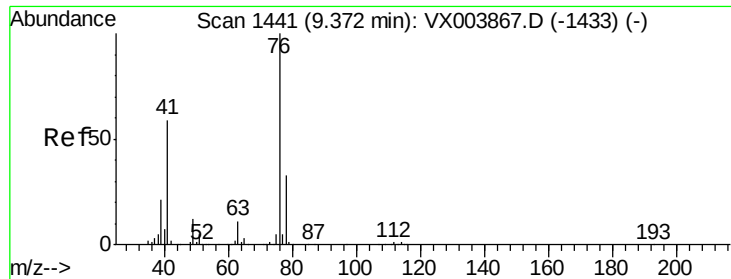
#56
 Ethyl methacrylate
 Concen: 55.37 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion:	69	Resp:	343671
Ion	Ratio	Lower	Upper
69	100		
41	62.9	50.6	76.0
39	32.5	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

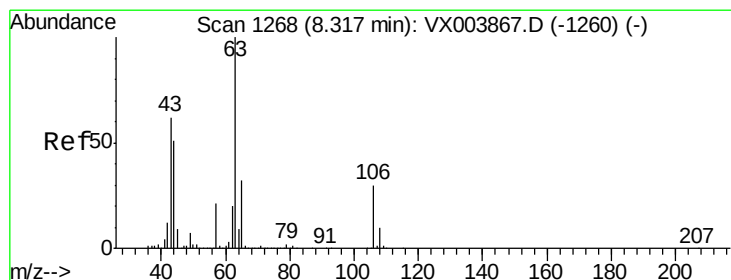
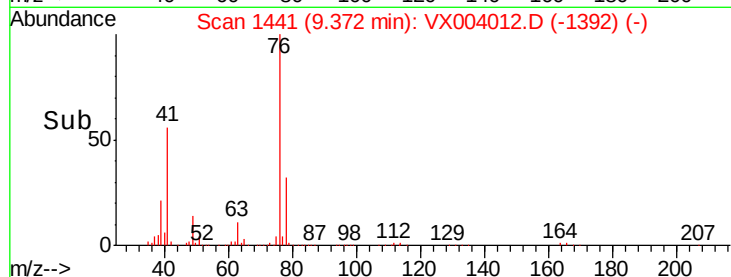
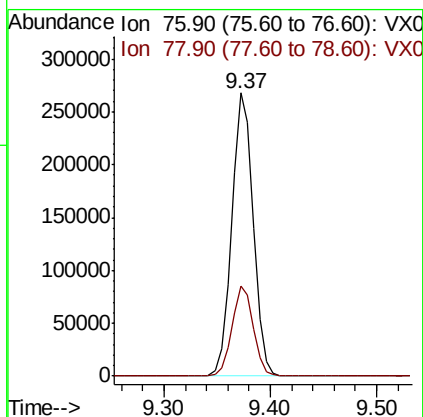
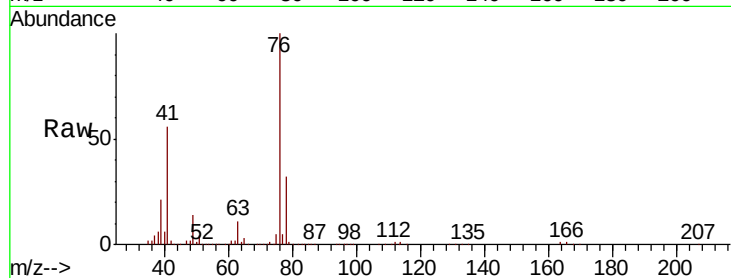




#57
 1,3-Dichloropropane
 Concen: 52.71 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

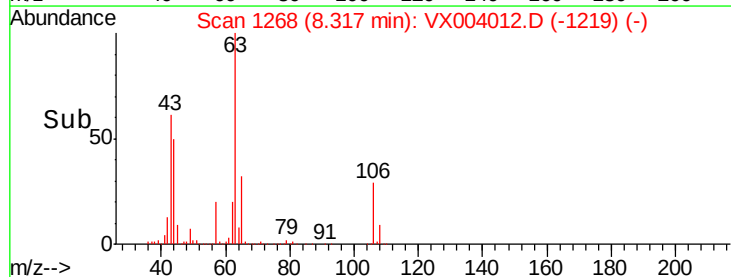
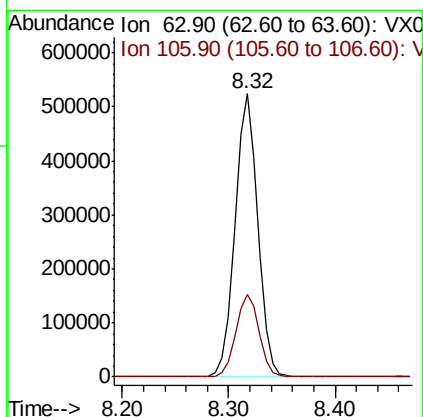
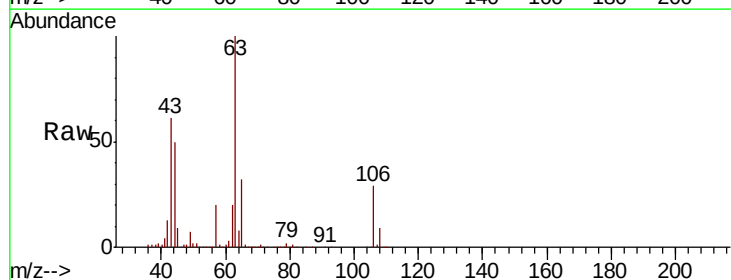
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

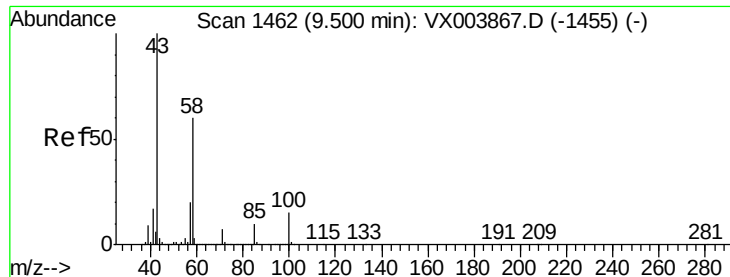
Tot Ion: 76 Resp: 377423
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.54 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion: 63 Resp: 782980
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8

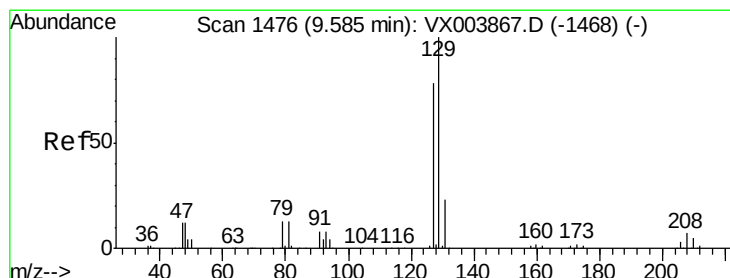
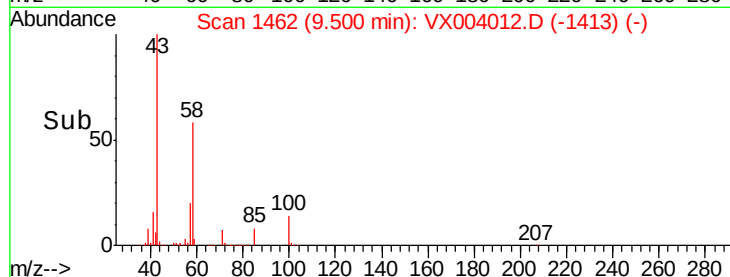
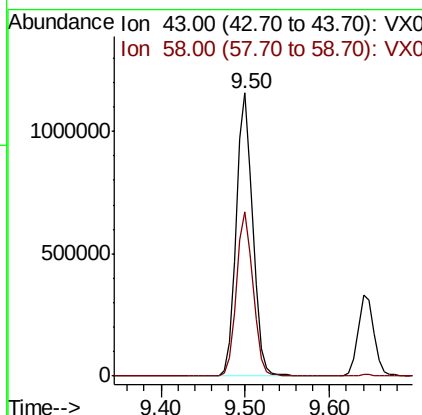
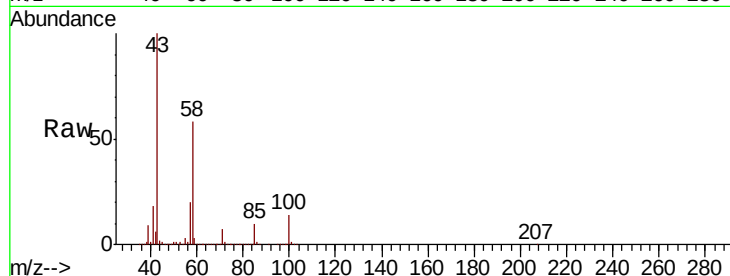




#59
2-Hexanone
Concen: 269.55 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

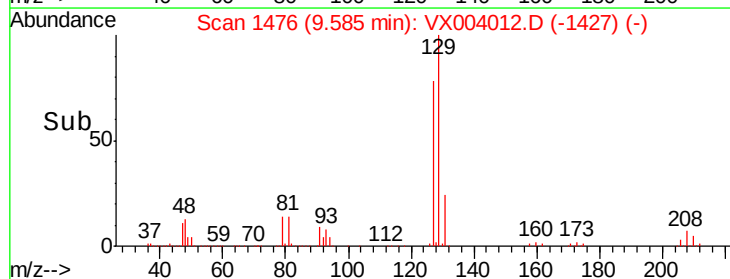
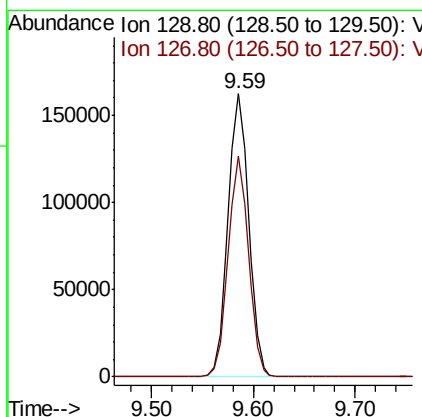
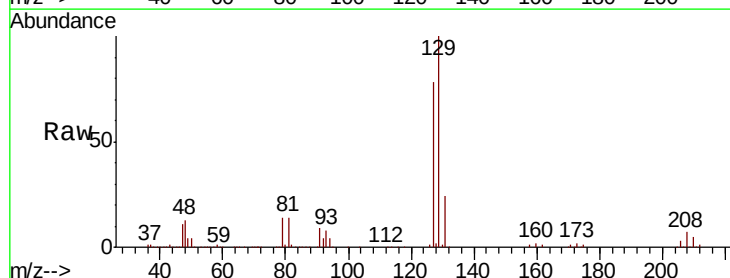
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

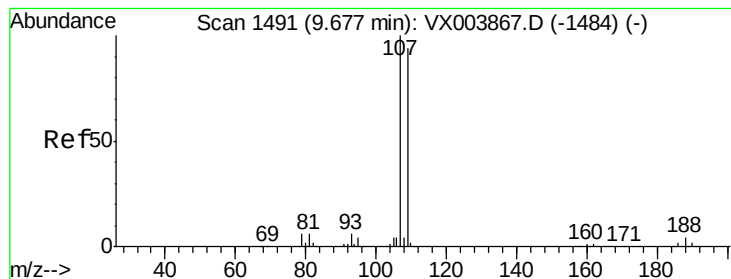
Tot Ion: 43 Resp: 1525408
Ion Ratio Lower Upper
43 100
58 58.4 29.0 87.0



#60
Dibromochloromethane
Concen: 57.11 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion: 129 Resp: 227782
Ion Ratio Lower Upper
129 100
127 76.5 38.8 116.3





#61

1,2-Dibromoethane

Concen: 54.25 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

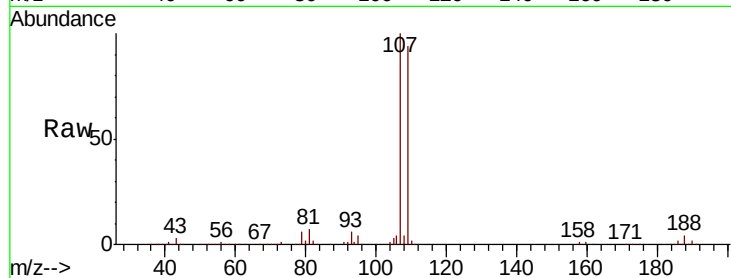
VSTDCCC050EC

Tot Ion:107 Resp: 232357

Ion Ratio Lower Upper

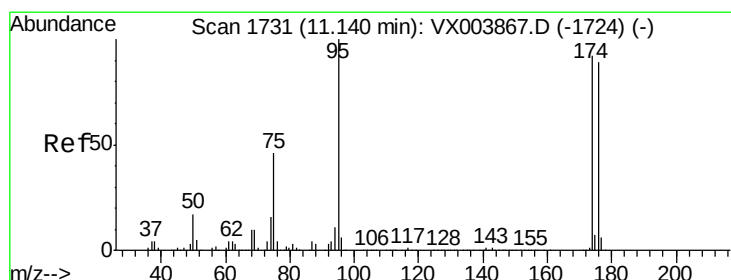
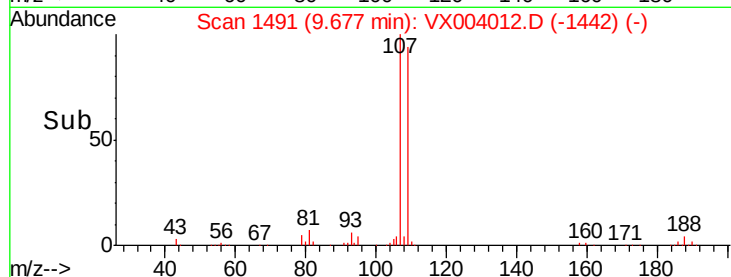
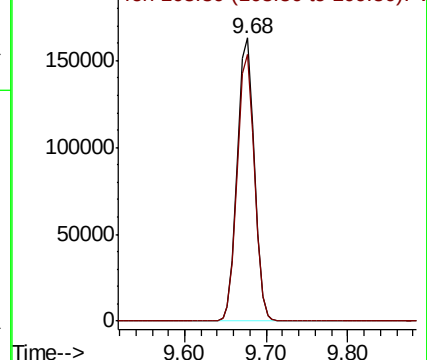
107 100

109 95.2 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

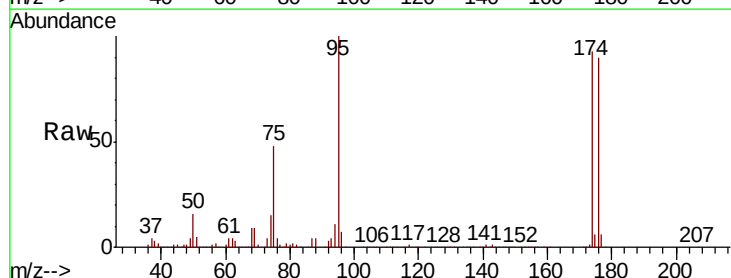
Tgt Ion: 95 Resp: 266180

Ion Ratio Lower Upper

95 100

174 90.8 0.0 182.8

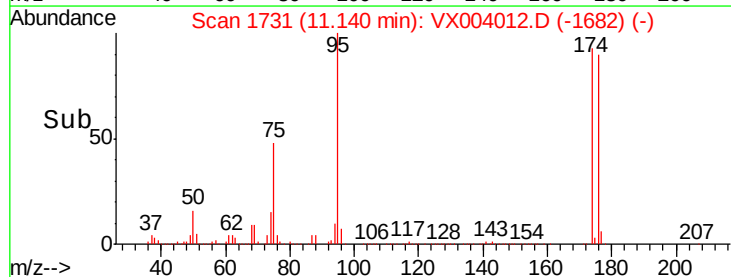
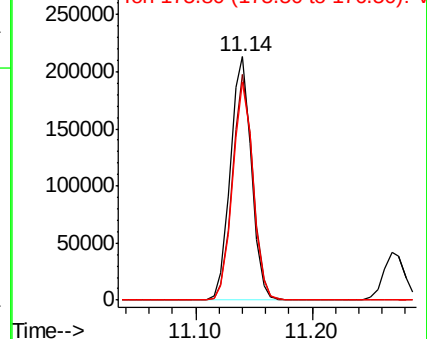
176 87.8 0.0 179.0

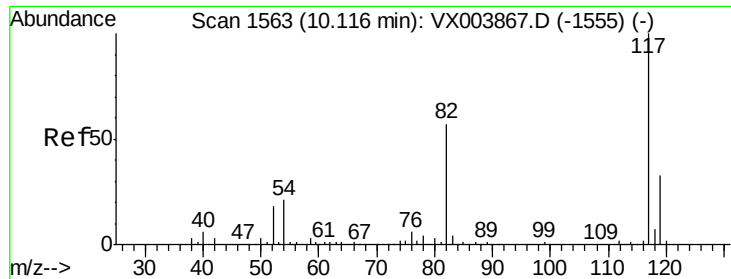


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

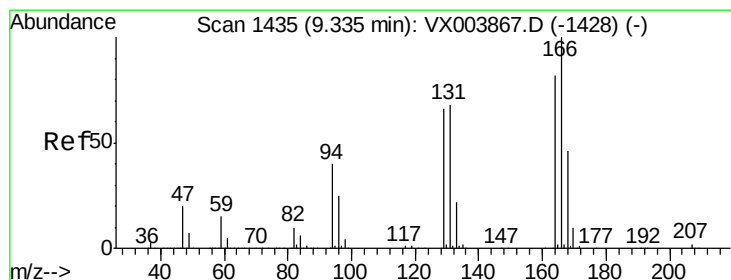
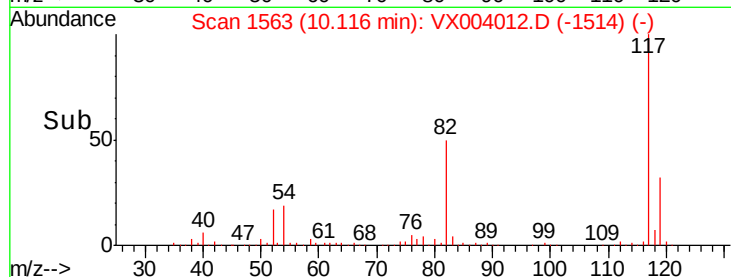
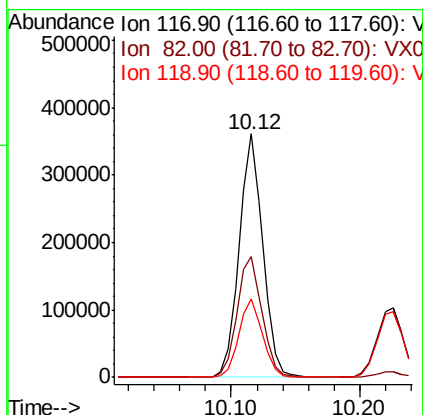
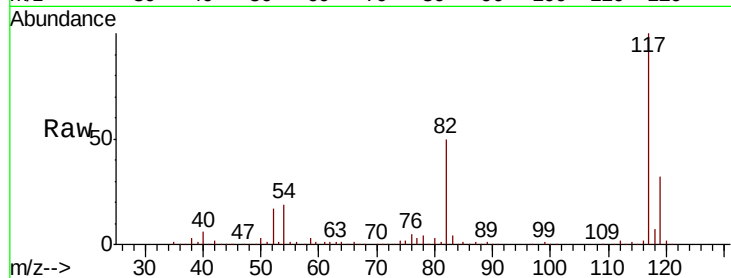




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

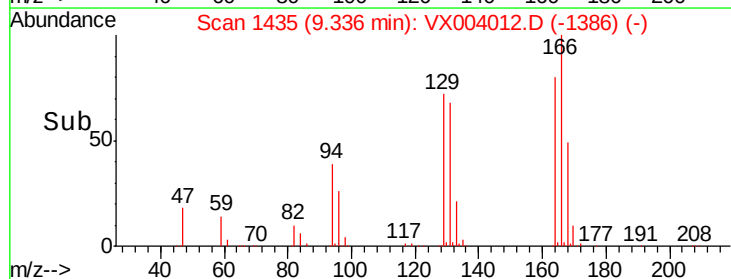
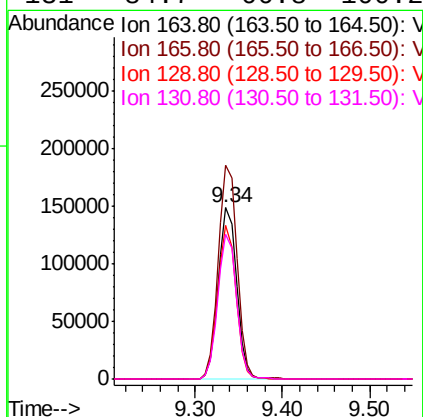
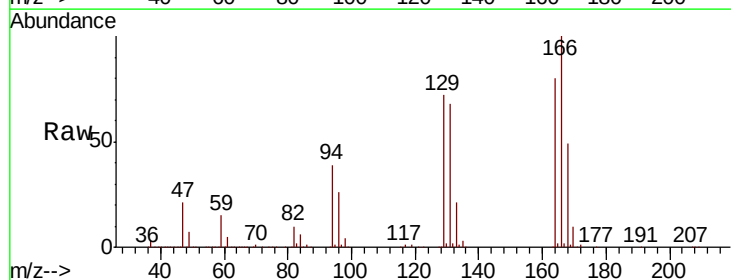
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

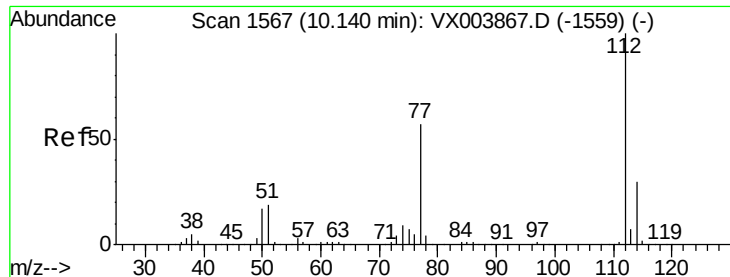
Tot Ion:117 Resp: 457587
Ion Ratio Lower Upper
117 100
82 49.7 45.4 68.0
119 32.4 26.6 40.0



#64
Tetrachloroethene
Concen: 48.21 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion:164 Resp: 217026
Ion Ratio Lower Upper
164 100
166 124.8 98.0 147.0
129 89.6 64.3 96.5
131 84.7 66.8 100.2

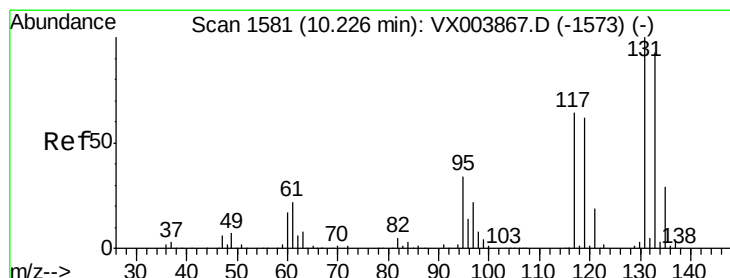
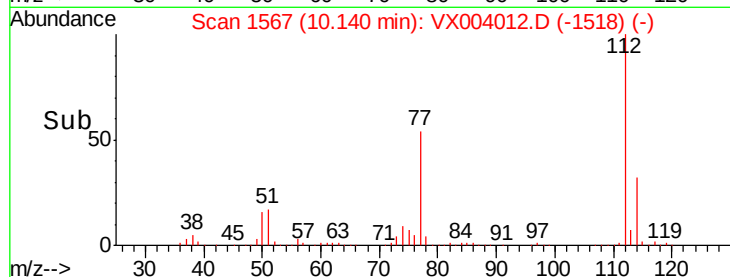
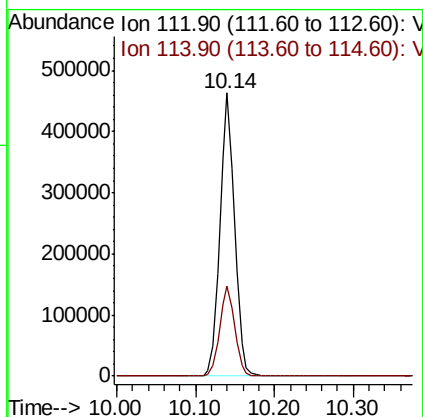
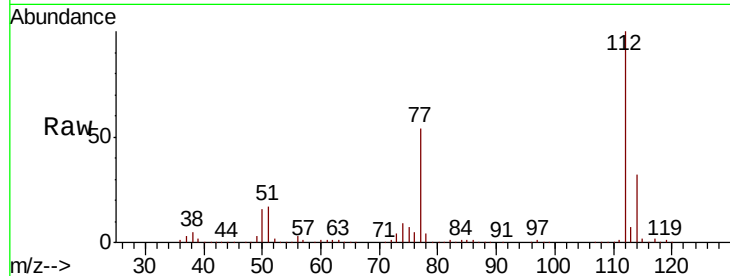




#65
Chlorobenzene
Concen: 50.25 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

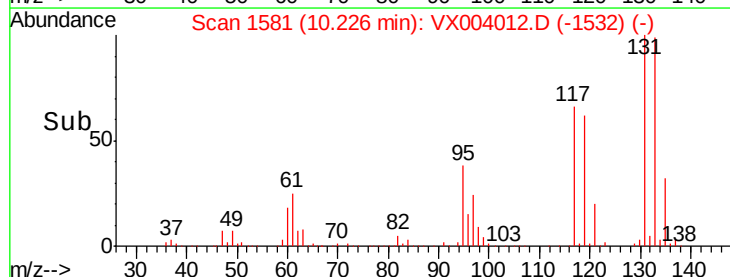
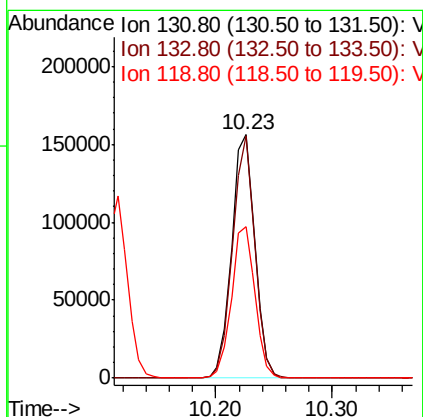
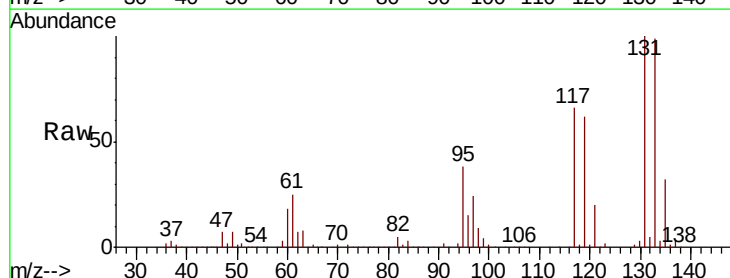
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

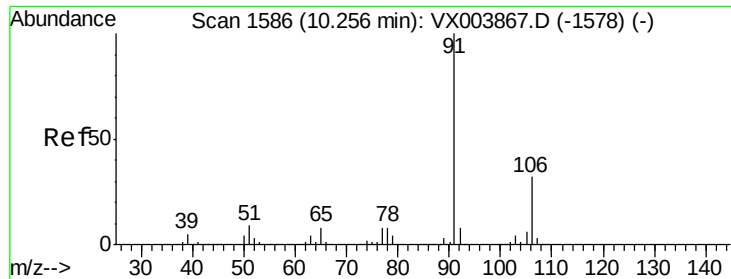
Tot Ion:112 Resp: 598301
Ion Ratio Lower Upper
112 100
114 32.0 23.6 35.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.12 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion:131 Resp: 217426
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.8
119 62.8 31.6 94.8





#67

Ethyl Benzene

Concen: 51.95 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

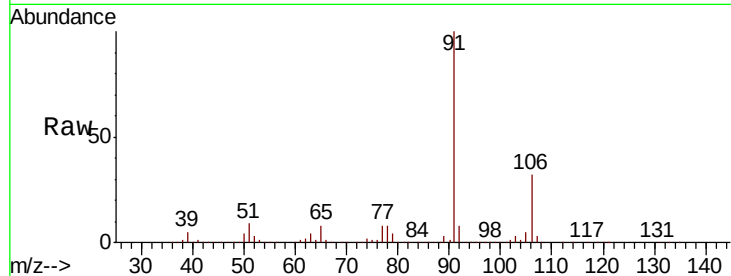
VSTDCCC050EC

Tot Ion: 91 Resp: 1012515

Ion Ratio Lower Upper

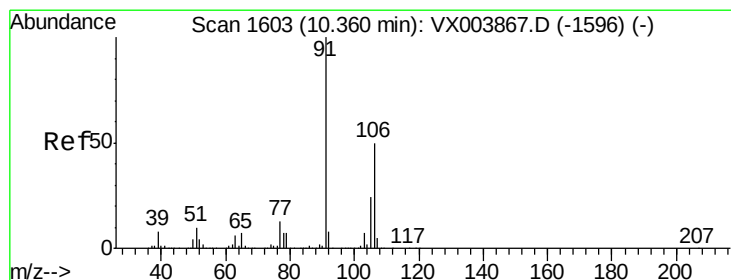
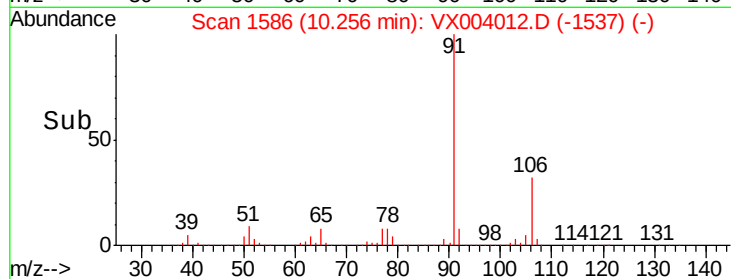
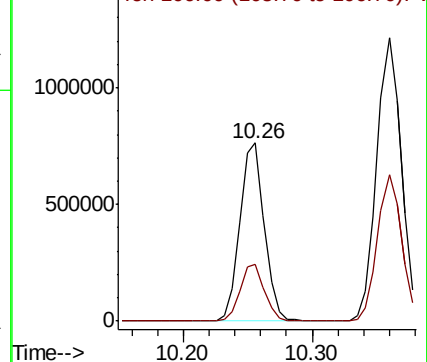
91 100

106 31.8 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 107.06 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX004012.D

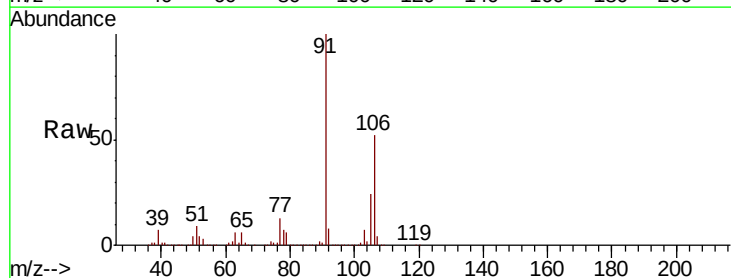
Acq: 13 Aug 2018 20:33

Tgt Ion: 106 Resp: 815316

Ion Ratio Lower Upper

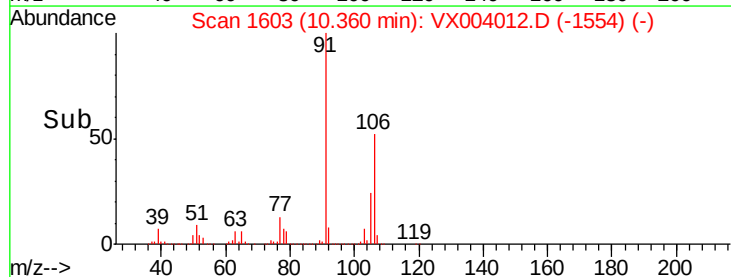
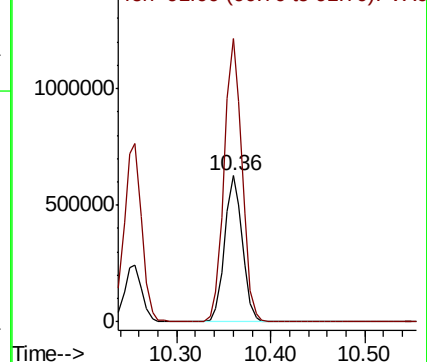
106 100

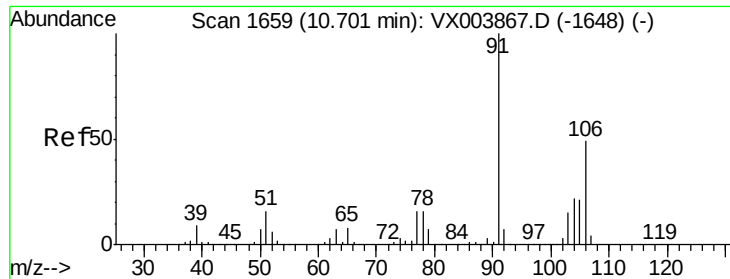
91 195.9 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

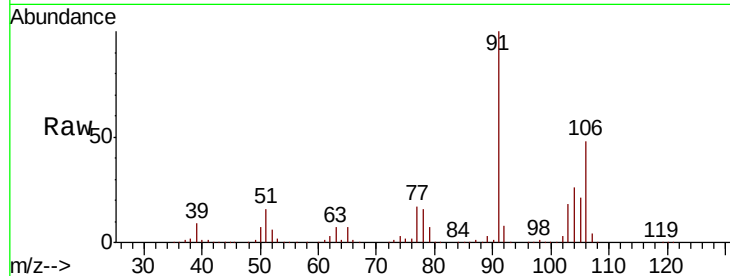




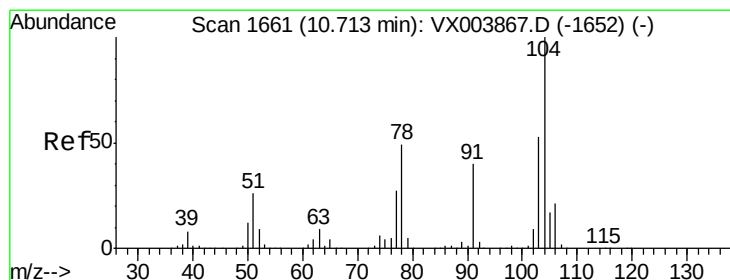
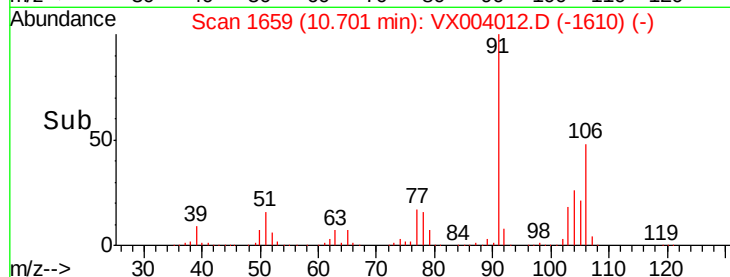
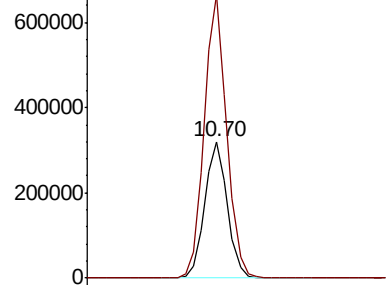
#69
o-Xylene
Concen: 54.45 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 391472
Ion Ratio Lower Upper
106 100
91 206.2 101.9 305.7

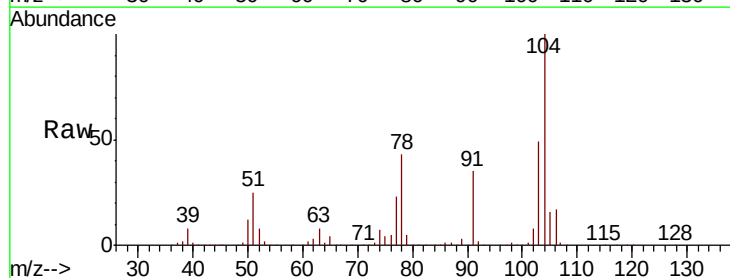


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

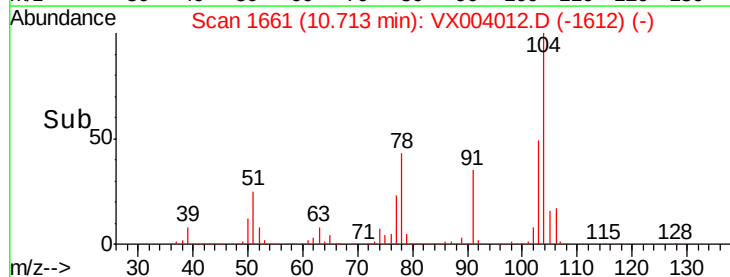
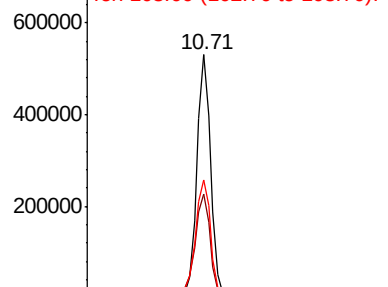


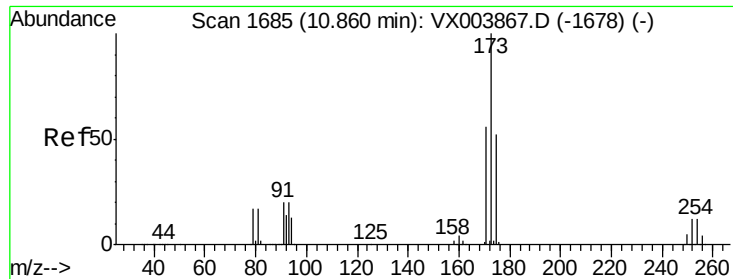
#70
Styrene
Concen: 56.34 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion:104 Resp: 663107
Ion Ratio Lower Upper
104 100
78 47.3 39.8 59.6
103 54.2 44.3 66.5



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





#71

Bromoform

Concen: 57.91 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

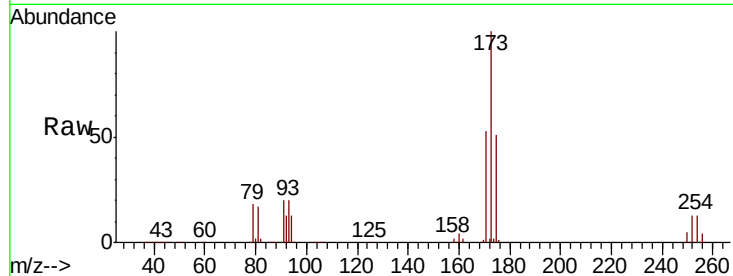
Tot Ion:173 Resp: 177264

Ion Ratio Lower Upper

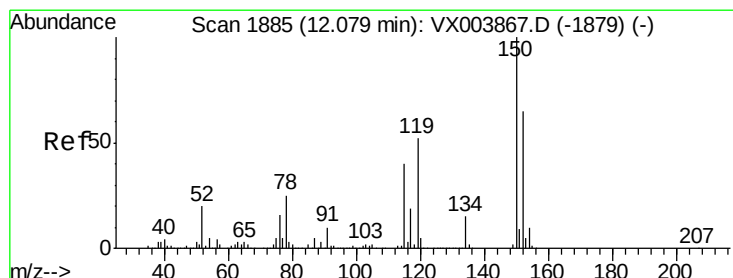
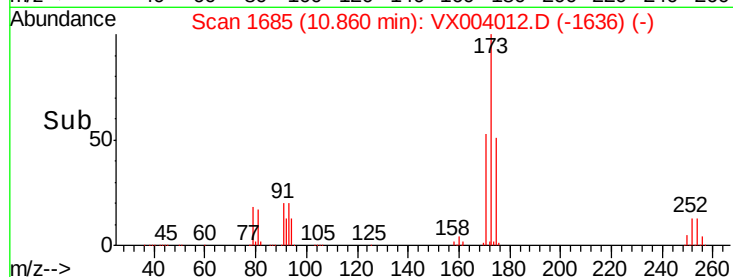
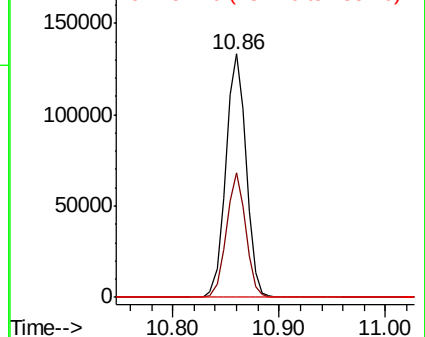
173 100

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: VX004012.D

Acq: 13 Aug 2018 20:33

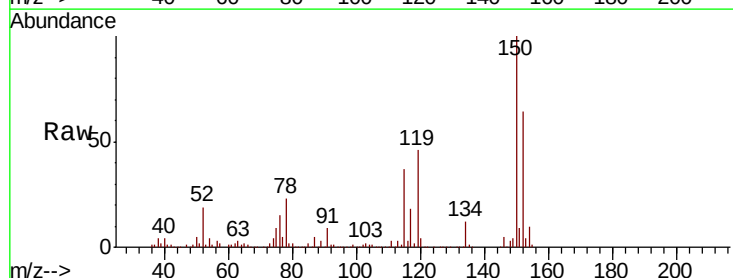
Tgt Ion:152 Resp: 285976

Ion Ratio Lower Upper

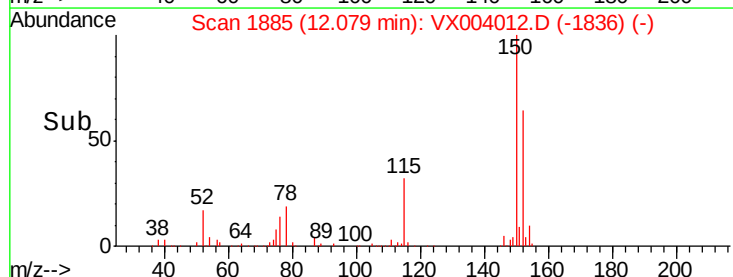
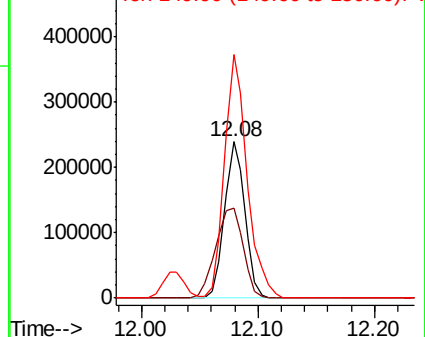
152 100

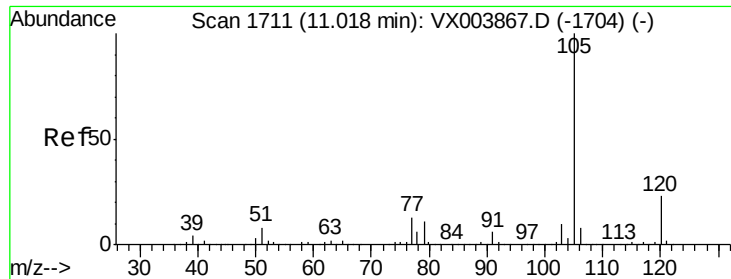
115 77.5 39.1 117.3

150 174.5 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: 49.29 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

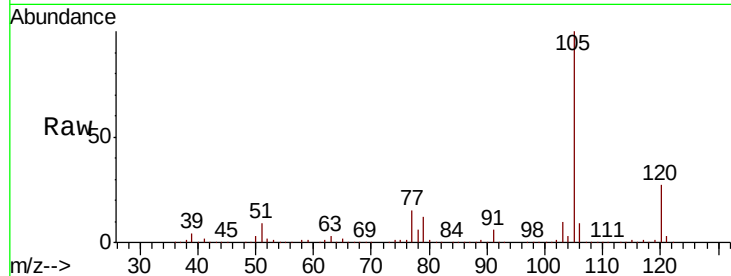
VSTDCCC050EC

Tot Ion:105 Resp: 1042638

Ion Ratio Lower Upper

105 100

120 27.2 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

800000

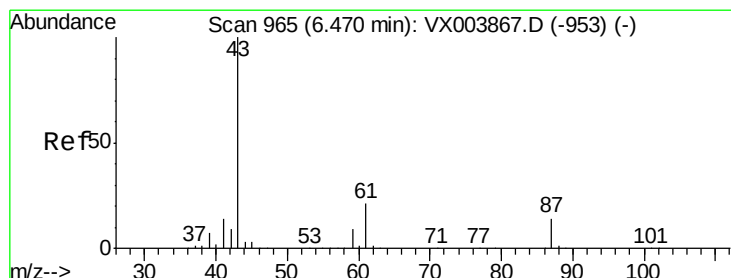
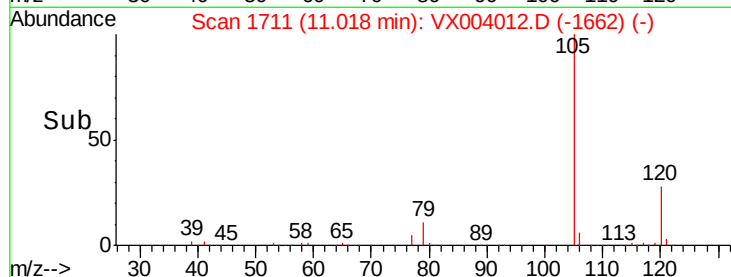
600000

400000

200000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 43.78 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Tgt Ion: 43 Resp: 481621

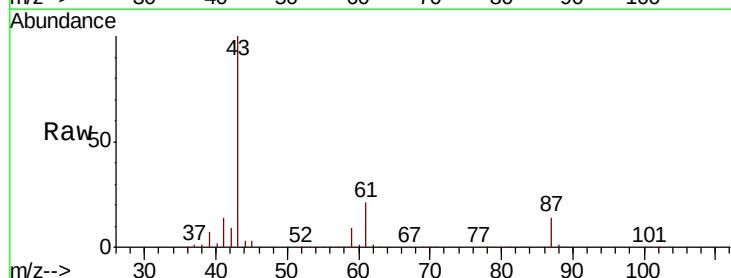
Ion Ratio Lower Upper

43 100

70 0.1 0.0 0.0#

55 0.2 0.1 0.1#

61 21.2 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

6.46

300000

250000

200000

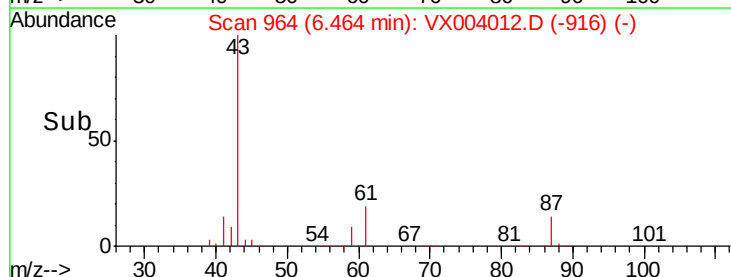
150000

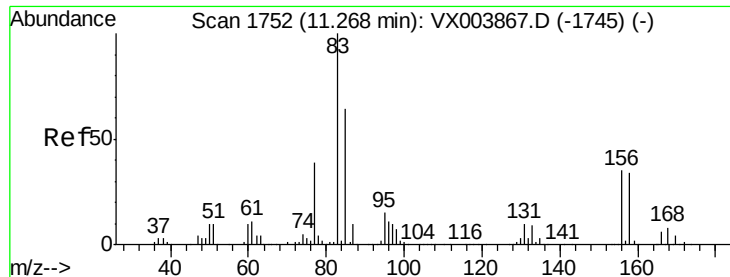
100000

50000

0

Time--> 6.30 6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 48.31 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

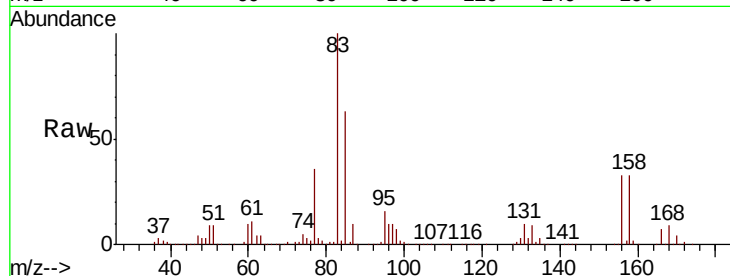
Tot Ion: 83 Resp: 350305

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

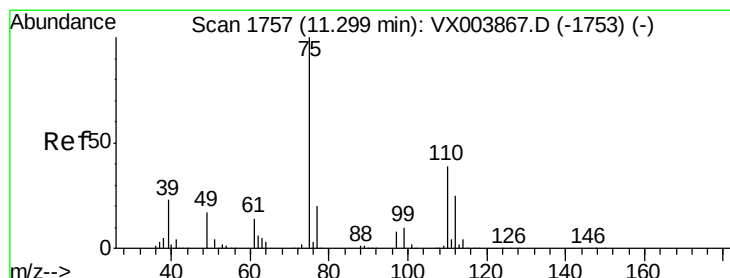
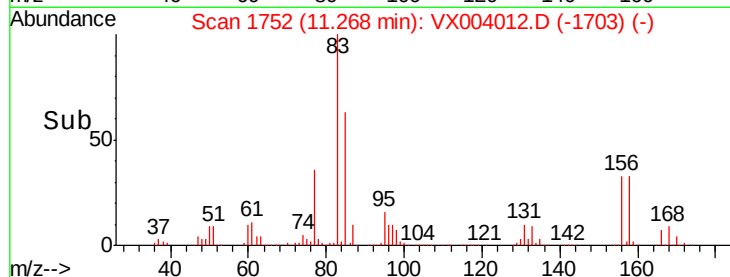
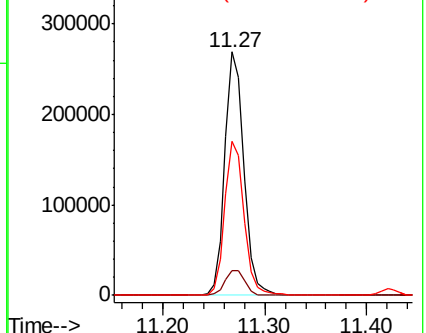
85 64.0 32.2 96.6



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: 62.34 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX004012.D

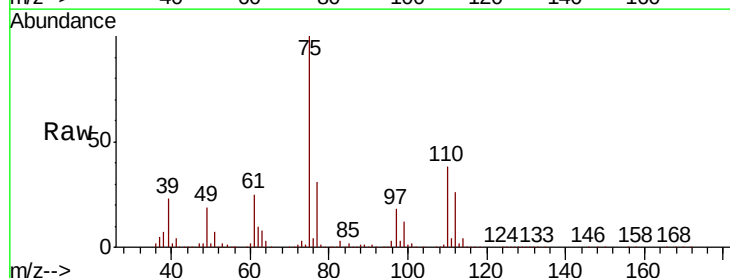
Acq: 13 Aug 2018 20:33

Tgt Ion: 75 Resp: 393778

Ion Ratio Lower Upper

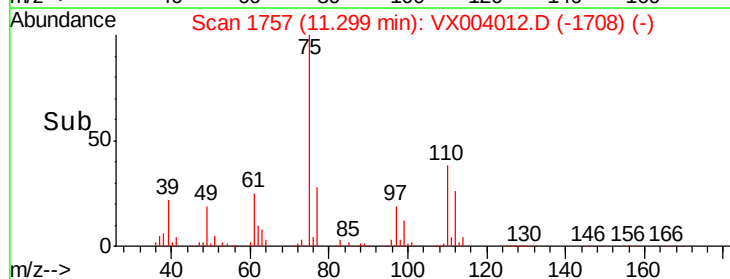
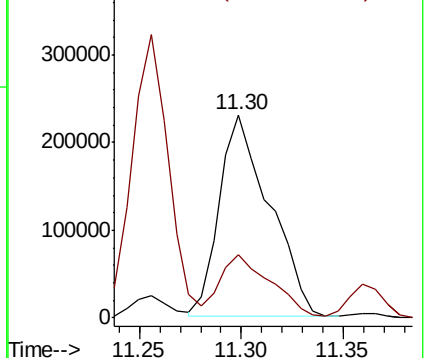
75 100

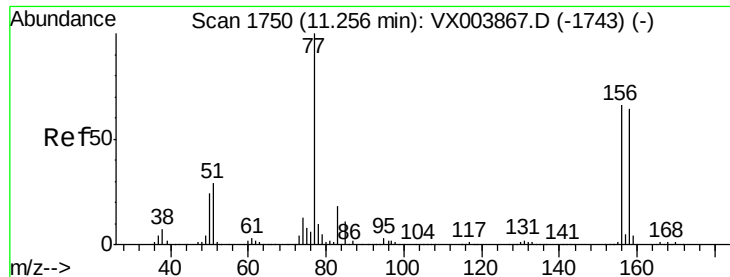
77 31.7 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.62 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

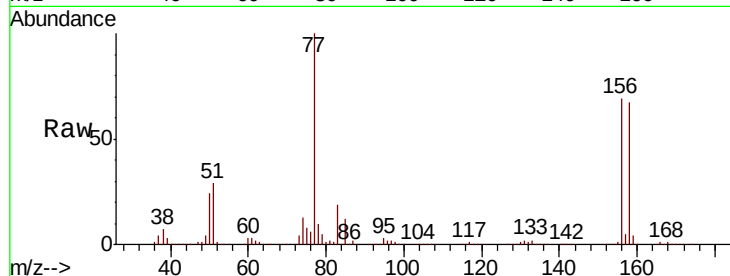
Tot Ion:156 Resp: 280012

Ion Ratio Lower Upper

156 100

77 144.0 74.1 222.2

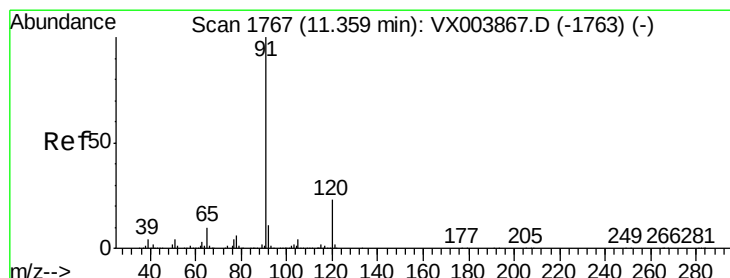
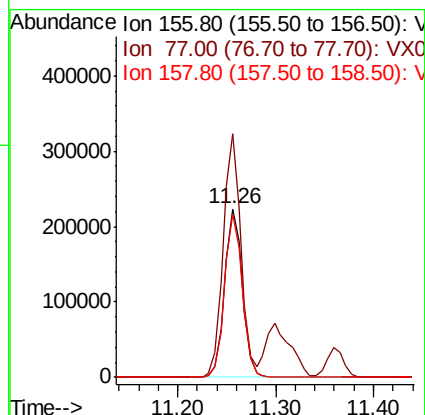
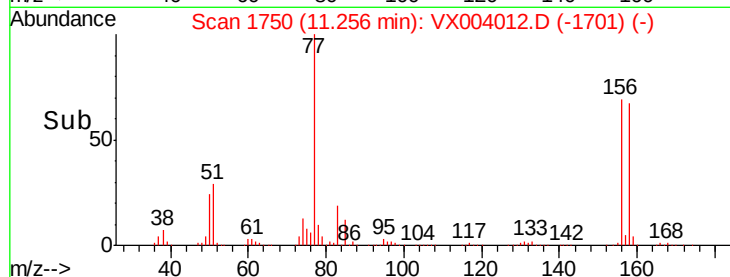
158 97.2 48.6 145.9



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: 50.48 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX004012.D

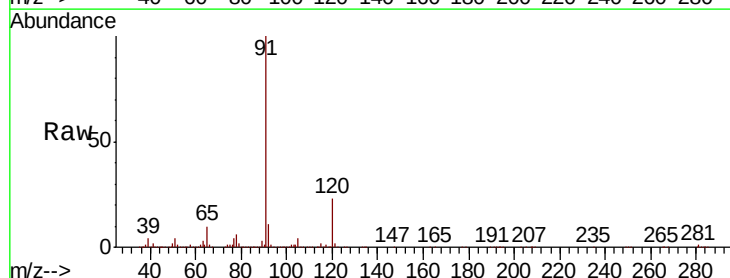
Acq: 13 Aug 2018 20:33

Tgt Ion: 91 Resp: 1199198

Ion Ratio Lower Upper

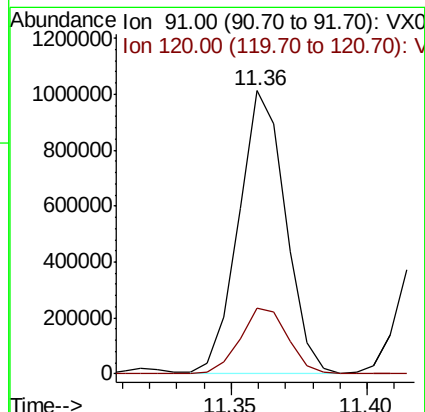
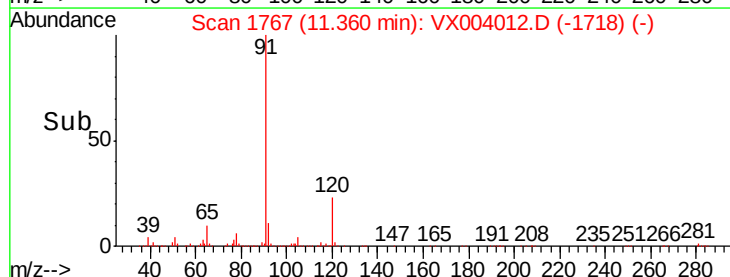
91 100

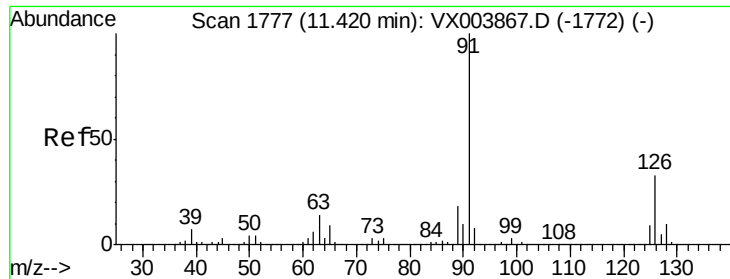
120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

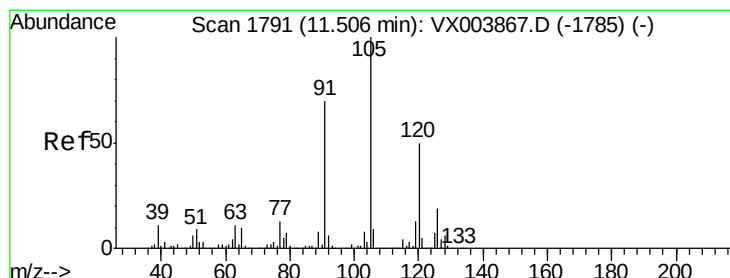
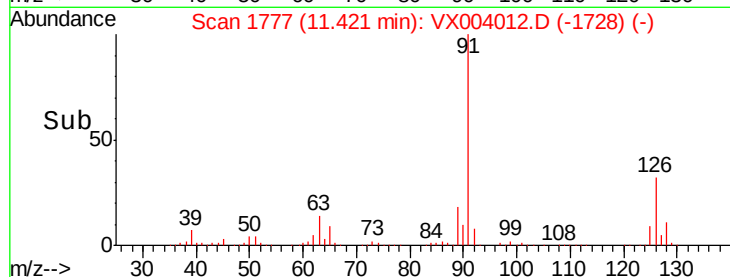
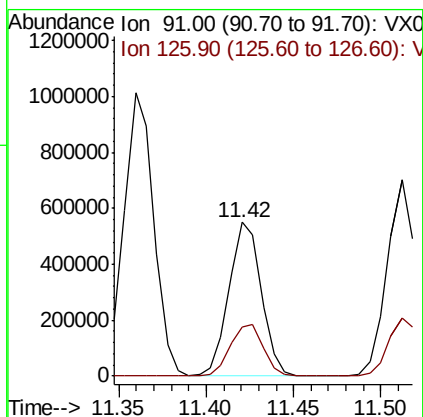
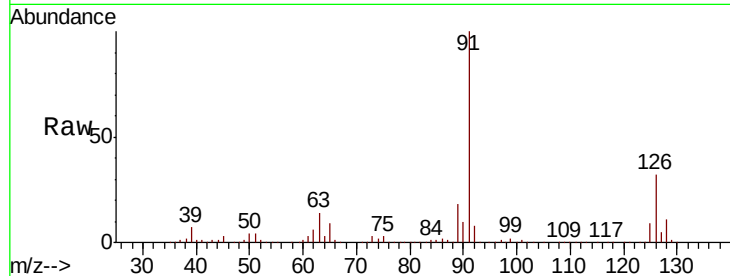




#79
 2-Chlorotoluene
 Concen: 48.67 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

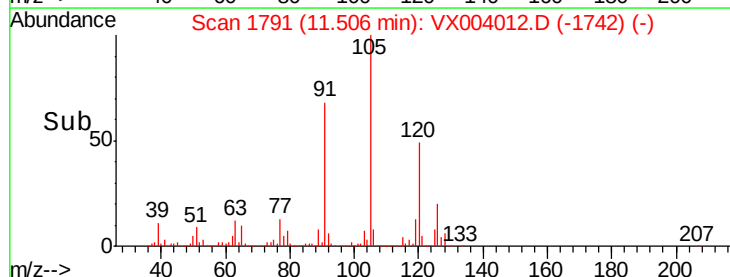
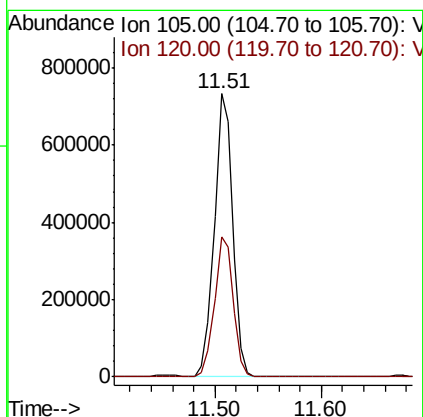
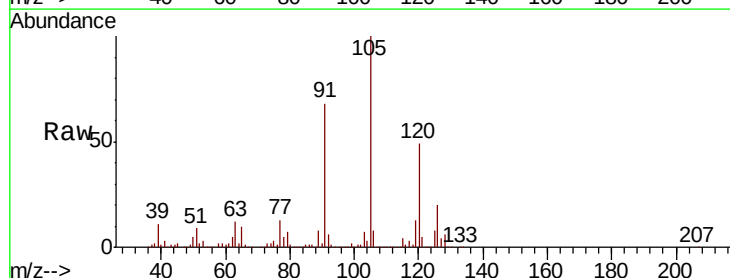
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

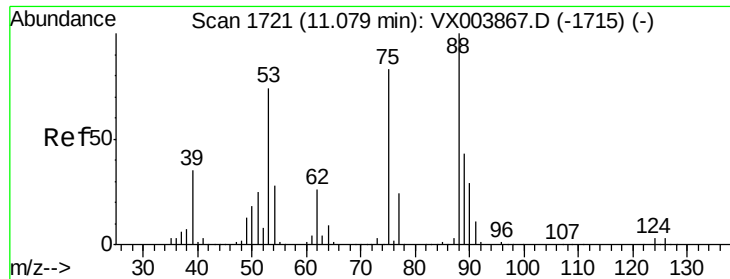
Tot Ion: 91 Resp: 705008
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 50.32 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion: 105 Resp: 868108
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 47.64 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

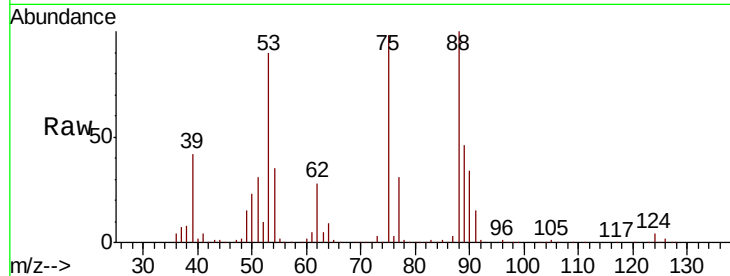
Tot Ion: 75 Resp: 98737

Ion Ratio Lower Upper

75 100

53 97.3 80.3 120.5

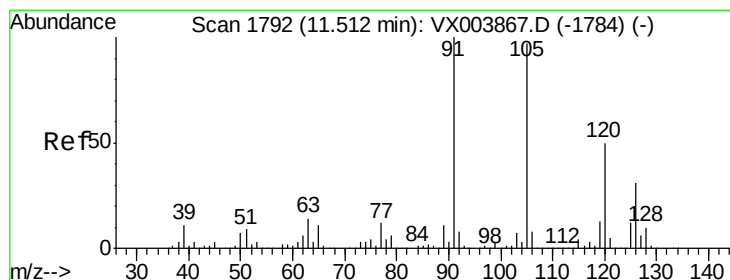
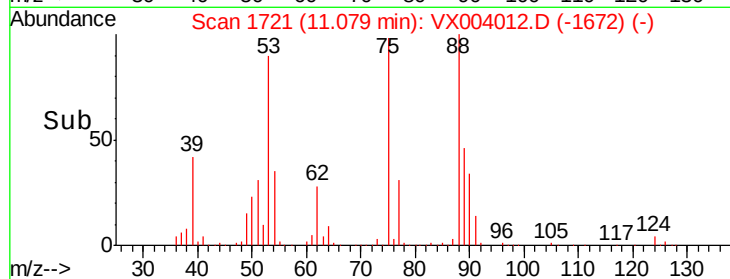
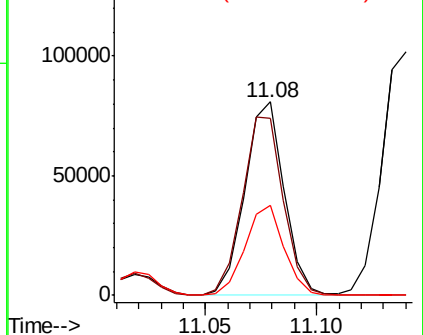
89 46.3 37.8 56.8



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: 48.56 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004012.D

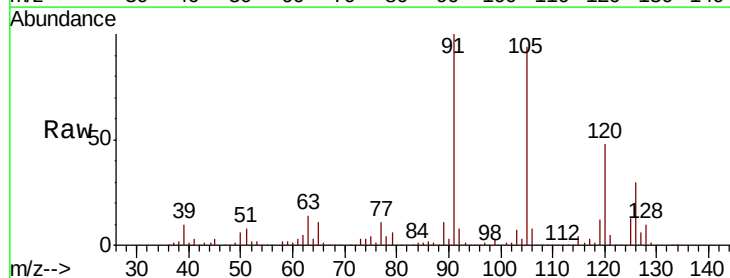
Acq: 13 Aug 2018 20:33

Tgt Ion: 91 Resp: 823957

Ion Ratio Lower Upper

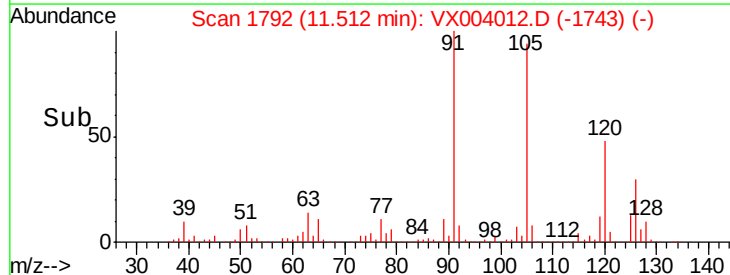
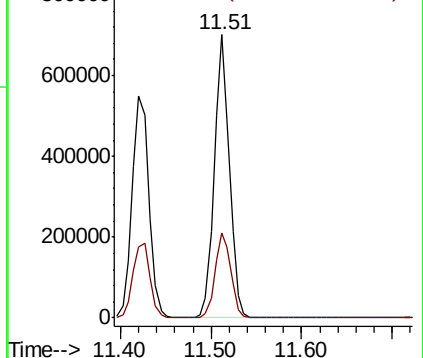
91 100

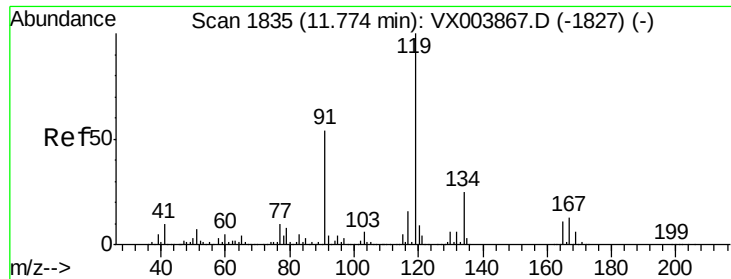
126 31.0 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

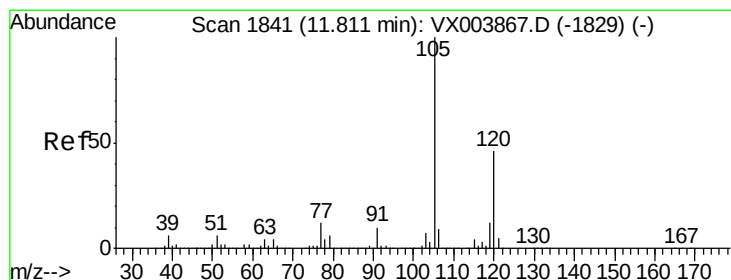
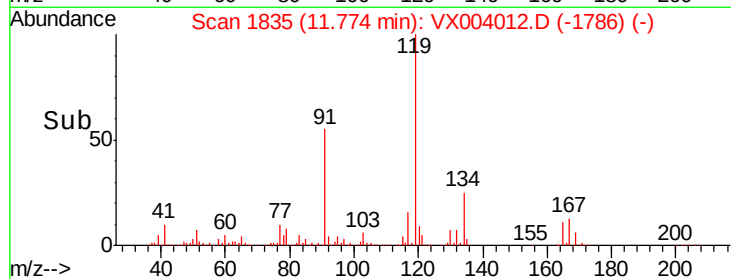
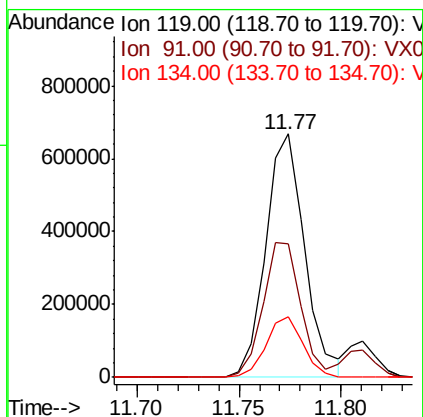
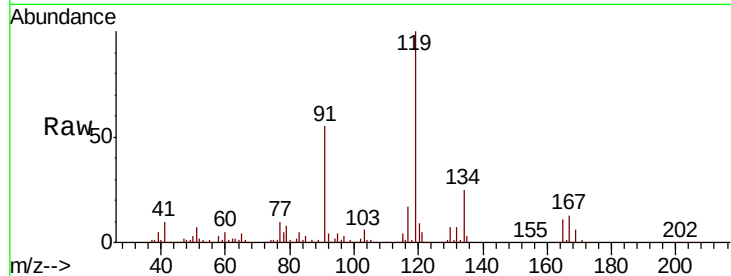




#83
 tert-Butylbenzene
 Concen: 52.23 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

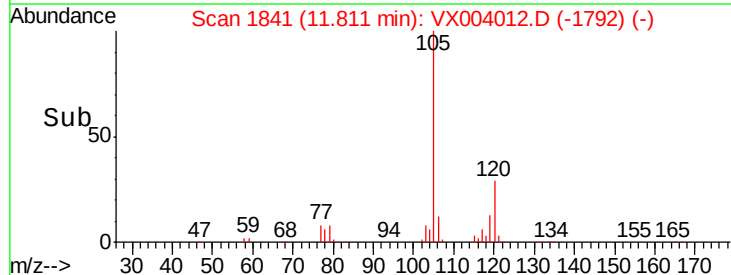
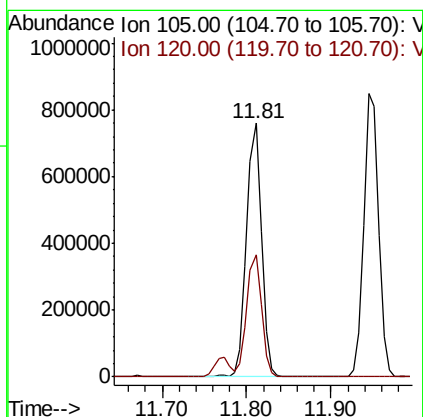
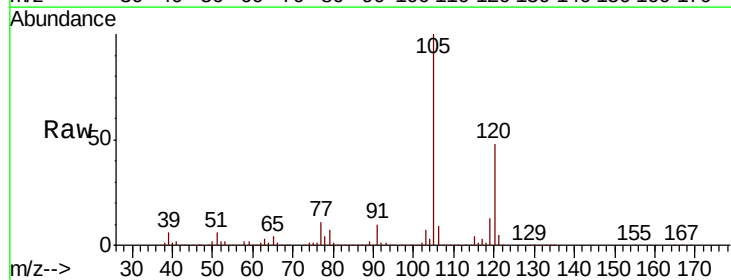
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

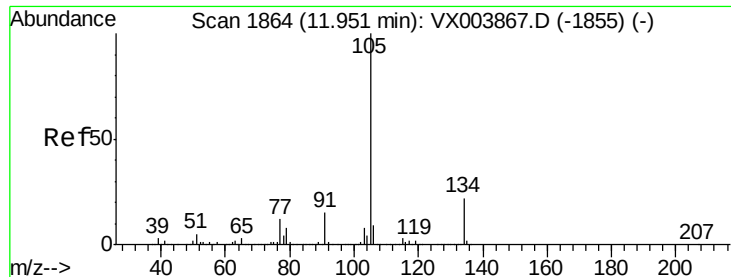
Tot Ion:119 Resp: 886369
 Ion Ratio Lower Upper
 119 100
 91 53.9 26.9 80.7
 134 23.7 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 51.62 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion:105 Resp: 895435
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 51.86 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

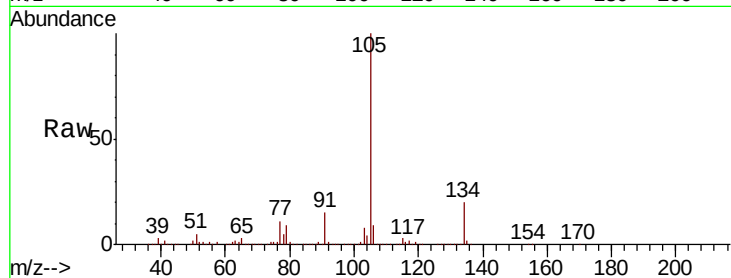
VSTDCCC050EC

Tot Ion:105 Resp: 1038566

Ion Ratio Lower Upper

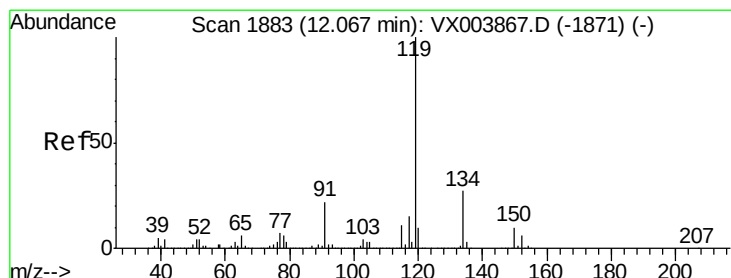
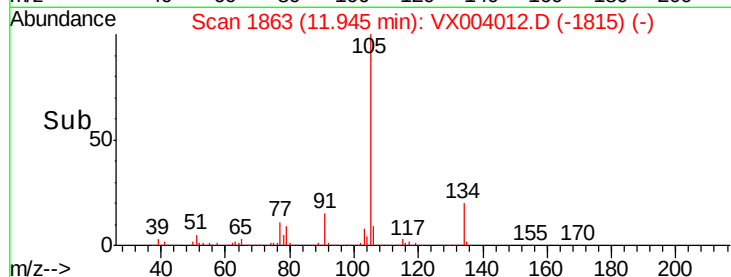
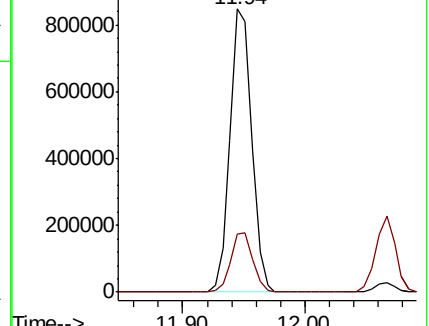
105 100

134 21.1 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: 52.27 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

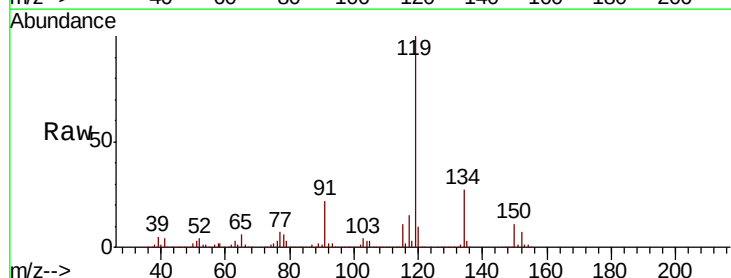
Tgt Ion:119 Resp: 939314

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

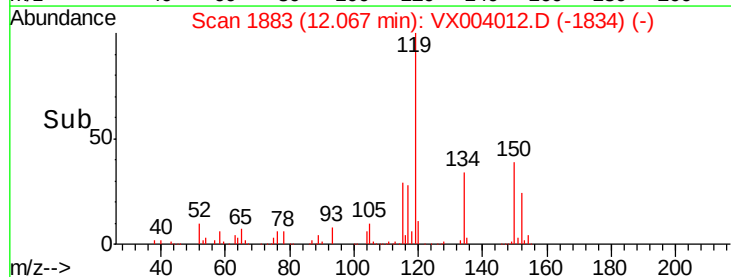
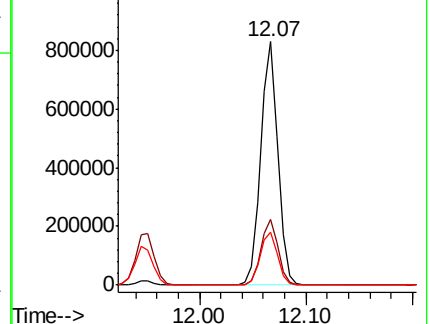
91 22.3 10.9 32.7

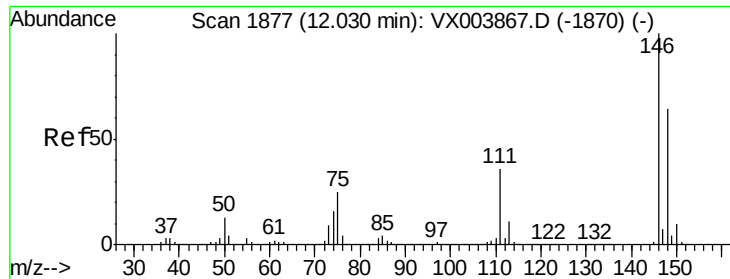


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

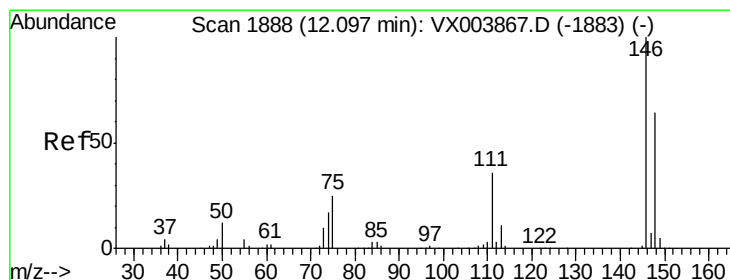
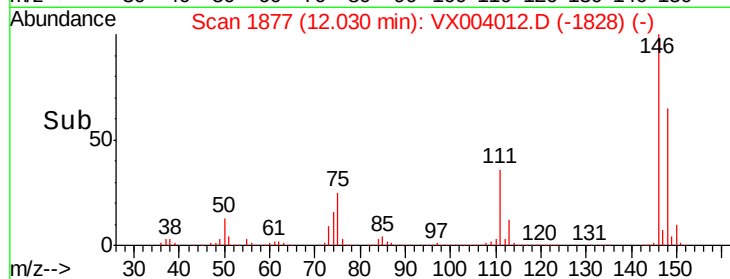
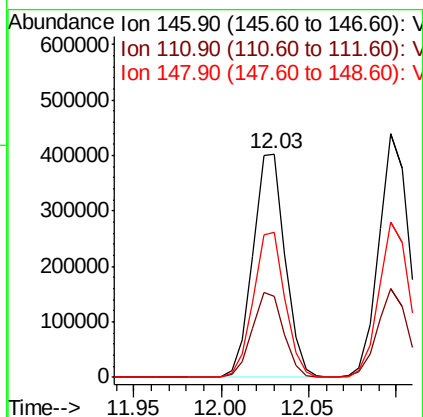
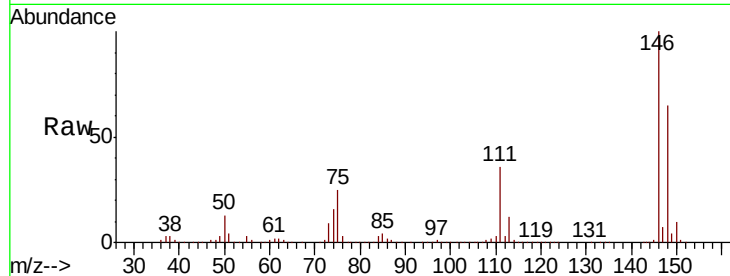




#87
 1,3-Dichlorobenzene
 Concen: 49.57 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

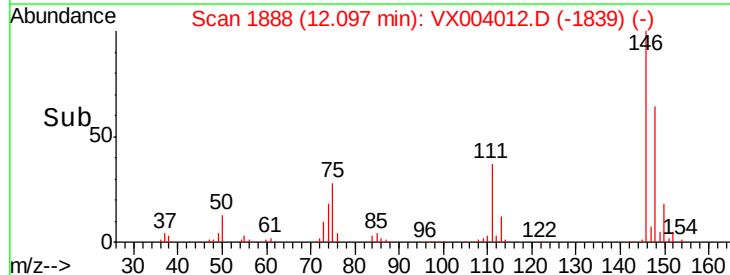
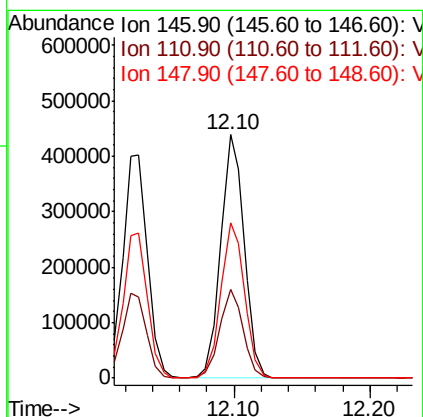
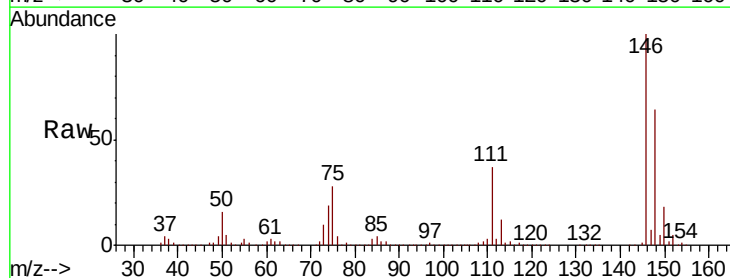
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

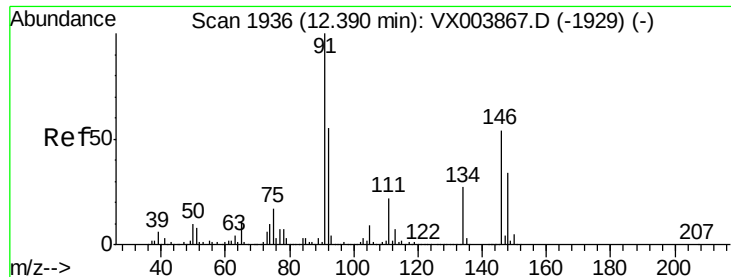
Tot Ion:146 Resp: 517112
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.8 56.4
 148 64.0 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 48.52 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion:146 Resp: 525076
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.4 55.0
 148 64.3 32.3 96.8





#89

n-Butylbenzene

Concen: 46.73 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

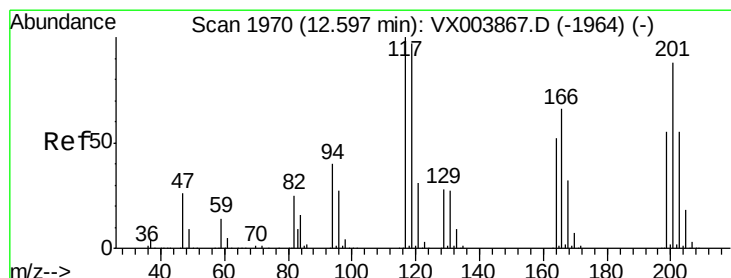
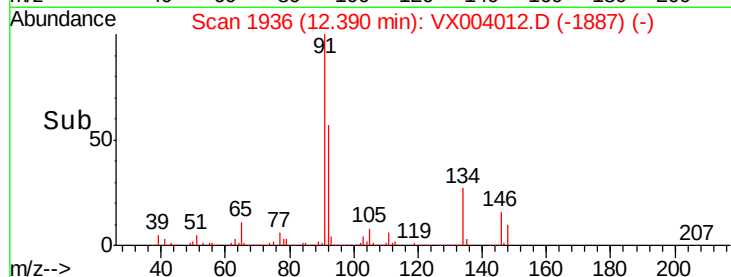
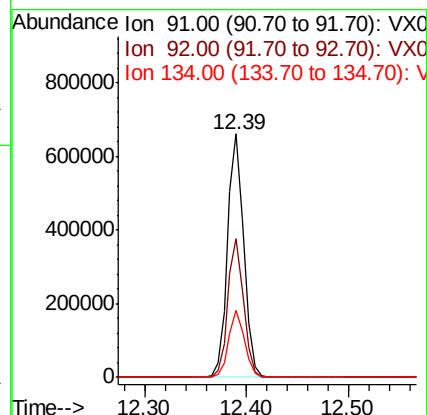
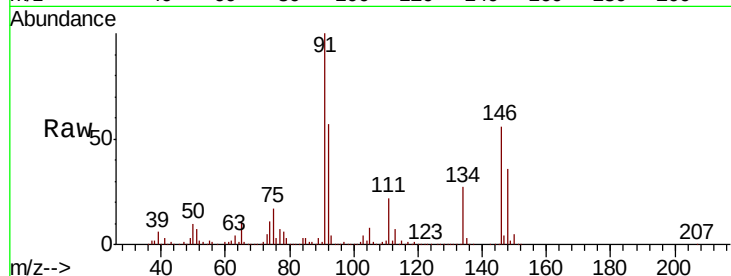
Tot Ion: 91 Resp: 731823

Ion Ratio Lower Upper

91 100

92 55.6 27.1 81.3

134 26.9 13.6 40.7



#90

Hexachloroethane

Concen: 44.49 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX004012.D

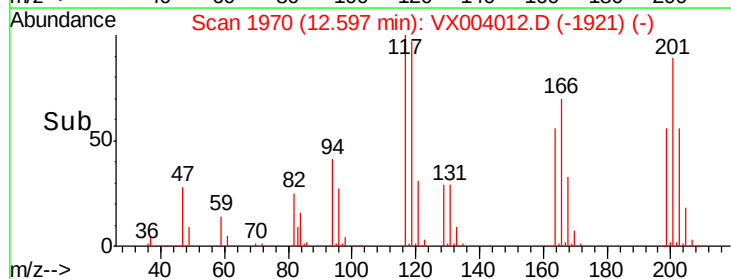
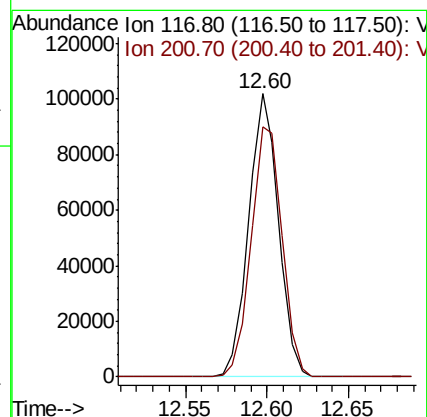
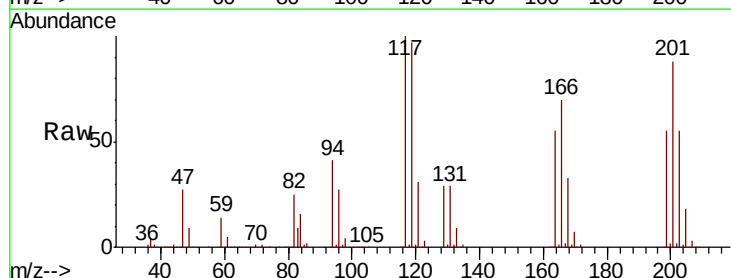
Acq: 13 Aug 2018 20:33

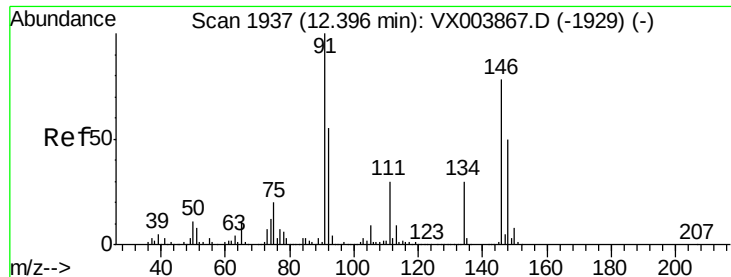
Tgt Ion: 117 Resp: 129830

Ion Ratio Lower Upper

117 100

201 92.1 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 46.81 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

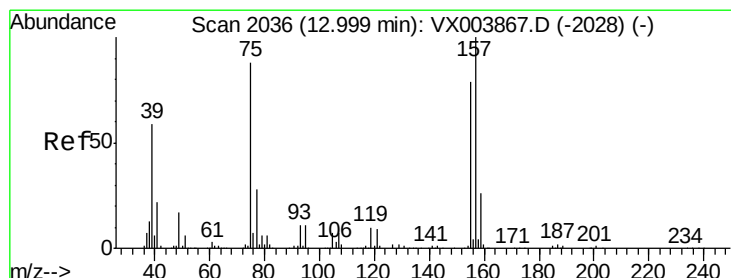
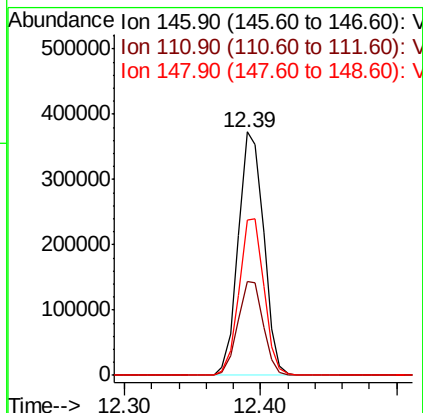
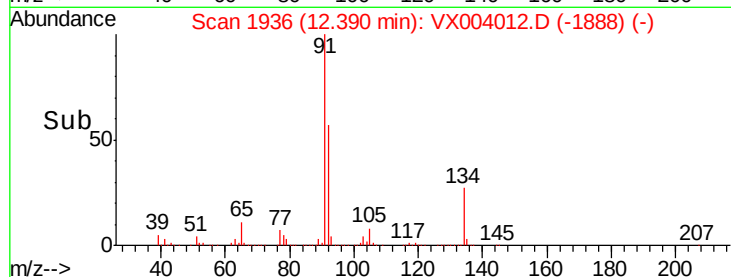
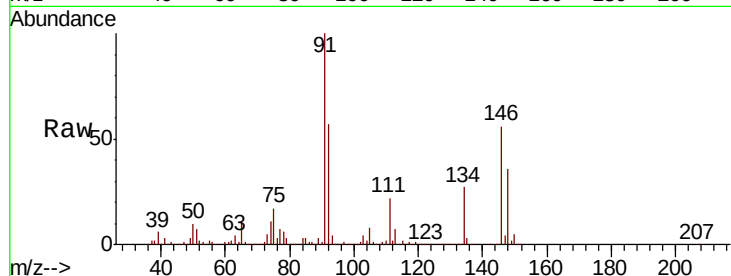
Tot Ion:146 Resp: 484058

Ion Ratio Lower Upper

146 100

111 38.5 19.7 59.0

148 63.2 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.30 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

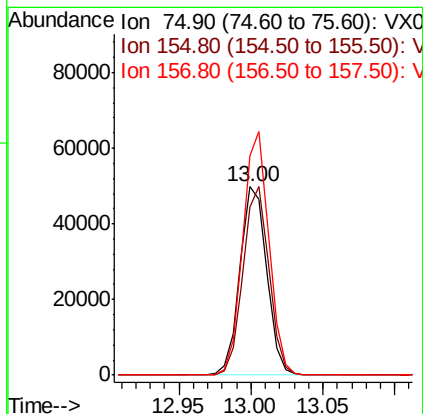
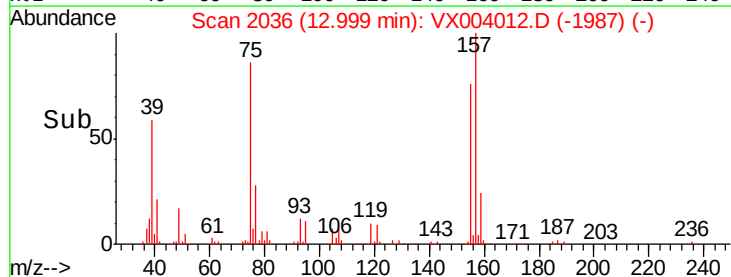
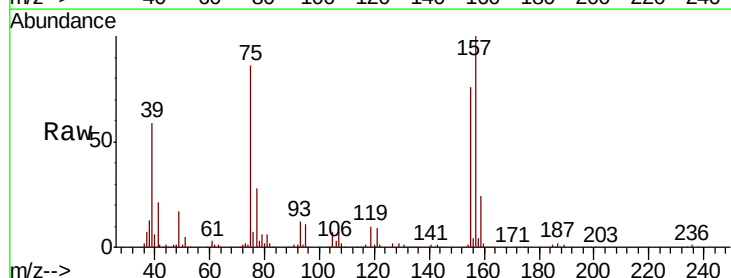
Tgt Ion: 75 Resp: 64315

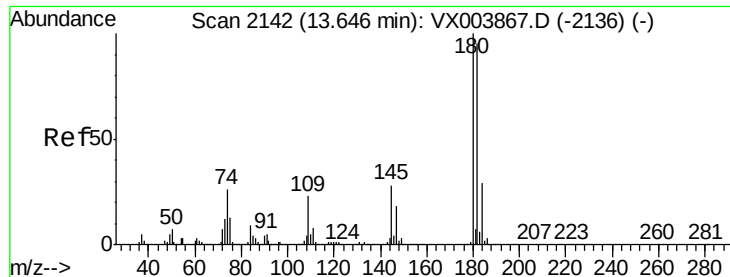
Ion Ratio Lower Upper

75 100

155 96.7 48.7 146.1

157 125.1 62.6 187.8

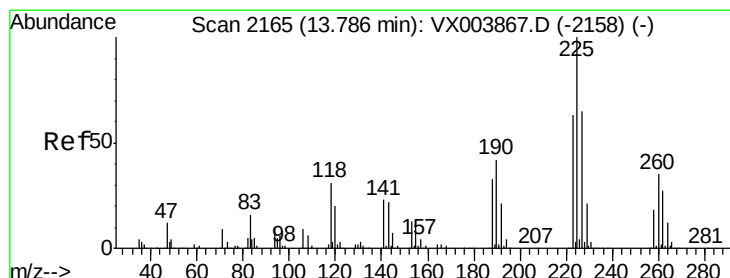
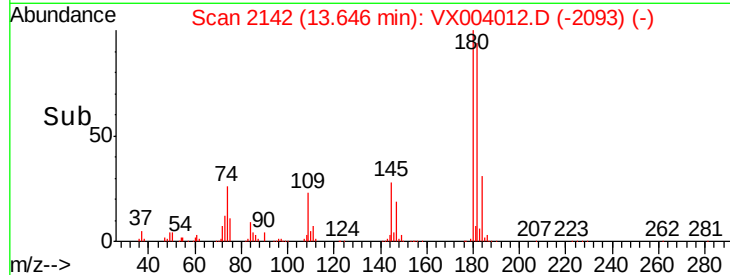
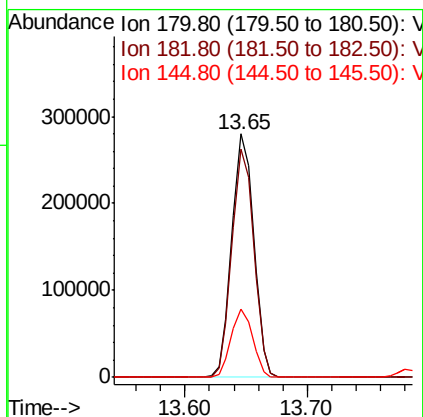
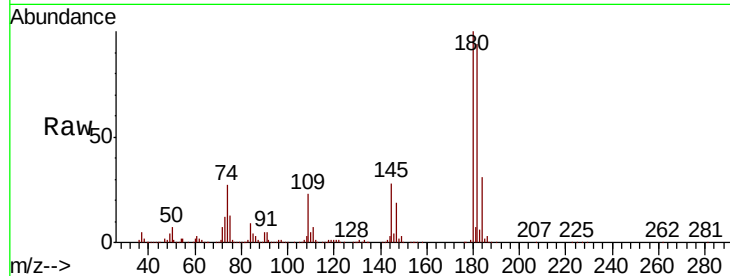




#93
 1,2,4-Trichlorobenzene
 Concen: 46.77 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

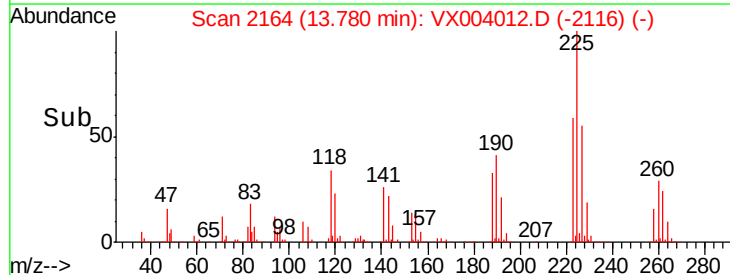
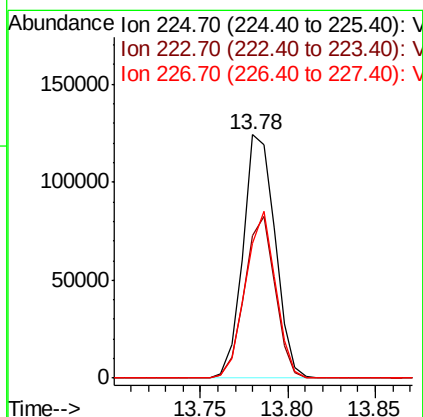
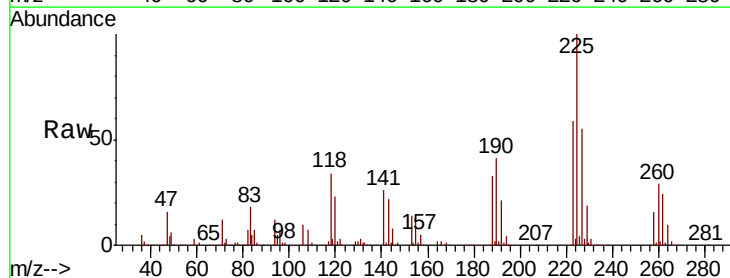
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

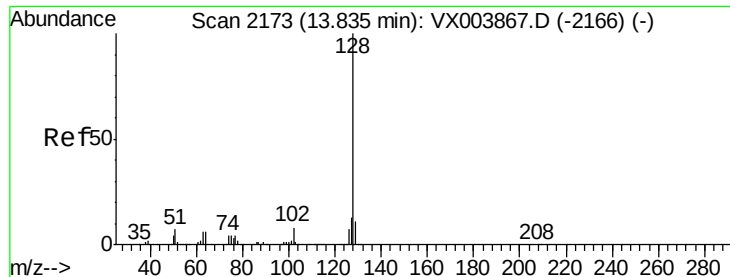
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.7	143.1
145	27.6	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 45.55 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.4	94.0
227	64.2	32.1	96.5

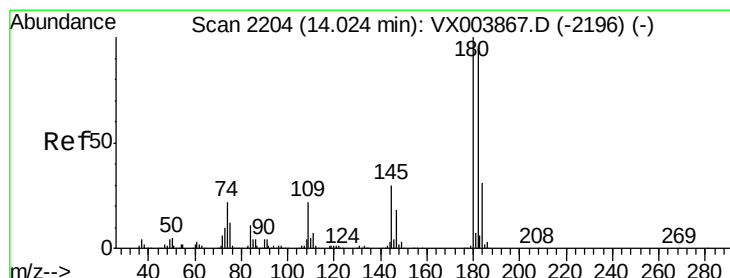
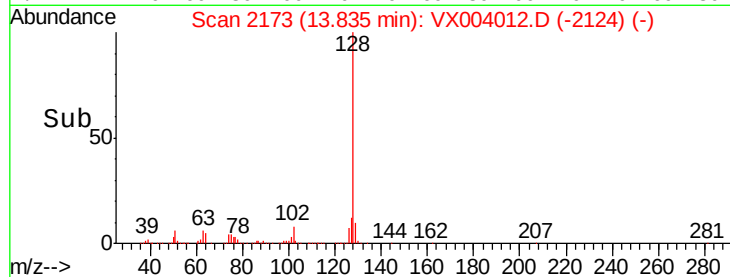
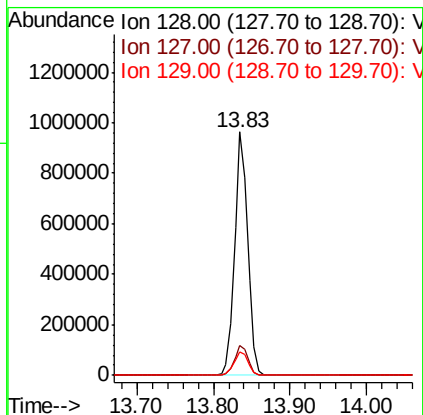
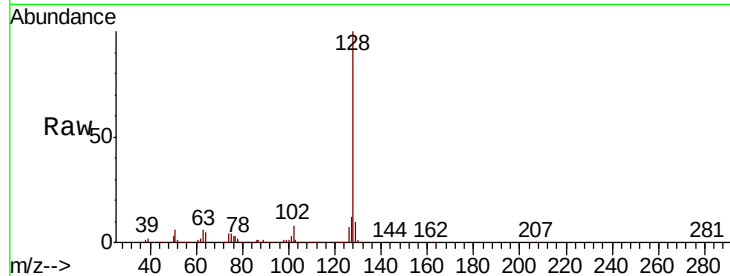




#95
Naphthalene
Concen: 53.19 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1133008
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.13 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion:180 Resp: 379502
Ion Ratio Lower Upper
180 100
182 94.6 48.1 144.4
145 30.2 14.9 44.7

