

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081318\
 Data File : VX003991.D
 Acq On : 13 Aug 2018 10:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 14 03:04:22 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	5.66	168	329835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	478367	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	462689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	289826	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	216724	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	5.50	113	177678	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	8.71	98	689180	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
62) 4-Bromofluorobenzene	11.13	95	258139	56.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	158653	47.46	ug/l	99
3) Chloromethane	1.32	50	175276	38.54	ug/l	98
4) Vinyl Chloride	1.40	62	197541	43.56	ug/l	99
5) Bromomethane	1.64	94	92619	32.06	ug/l	100
6) Chloroethane	1.72	64	146589	50.52	ug/l	95
7) Trichlorofluoromethane	1.93	101	280699	46.88	ug/l	99
8) Diethyl Ether	2.18	74	129314	48.04	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	178831	47.78	ug/l	99
10) Methyl Iodide	2.51	142	140106	30.09	ug/l	99
11) Tert butyl alcohol	3.04	59	230147	219.05	ug/l	99
12) 1,1-Dichloroethene	2.37	96	162722	45.96	ug/l	97
13) Acrolein	2.29	56	155988	269.35	ug/l	98
14) Allyl chloride	2.73	41	316004	46.31	ug/l	97
15) Acrylonitrile	3.14	53	589849	235.28	ug/l	99
16) Acetone	2.43	43	614360	236.19	ug/l	99
17) Carbon Disulfide	2.57	76	434844	40.26	ug/l	100
18) Methyl Acetate	2.77	43	285910	50.48	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	639707	50.99	ug/l	100
20) Methylene Chloride	2.86	84	197011	31.24	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	183302	45.61	ug/l	99
22) Diisopropyl ether	3.86	45	673192	53.67	ug/l	95
23) Vinyl Acetate	3.82	43	2849500	273.00	ug/l	99
24) 1,1-Dichloroethane	3.70	63	360414	48.37	ug/l	100
25) 2-Butanone	4.69	43	977604	249.97	ug/l	100
26) 2,2-Dichloropropane	4.58	77	281212	52.33	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	213285	48.91	ug/l	99
28) Bromochloromethane	5.02	49	154574	48.47	ug/l	98
29) Tetrahydrofuran	5.15	42	486204	241.88	ug/l	98
30) Chloroform	5.21	83	347060	49.47	ug/l	99
31) Cyclohexane	5.57	56	297192	47.16	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	296137	50.34	ug/l	99
36) 1,1-Dichloropropene	5.79	75	258377	48.22	ug/l	100
37) Ethyl Acetate	4.85	43	292832	49.69	ug/l	99
38) Carbon Tetrachloride	5.78	117	258615	50.71	ug/l	98

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 VSTDCCC050

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 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)
39) Methylcyclohexane	7.46	83	312348	49.45	ug/l	99
40) Benzene	6.14	78	796167	49.49	ug/l	98
41) Methacrylonitrile	5.06	41	162727	50.13	ug/l	99
42) 1,2-Dichloroethane	6.20	62	282519	51.93	ug/l	99
43) Isopropyl Acetate	6.46	43	465507	52.49	ug/l	100
44) Trichloroethene	7.21	130	213921	48.62	ug/l	95
45) 1,2-Dichloropropane	7.51	63	211772	50.97	ug/l	99
46) Dibromomethane	7.66	93	138429	51.32	ug/l	99
47) Bromodichloromethane	7.90	83	271023	53.34	ug/l	99
48) Methyl methacrylate	7.77	41	240896	53.43	ug/l	99
49) 1,4-Dioxane	7.76	88	99359	935.55	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1945528	264.65	ug/l	100
52) Toluene	8.79	92	516474	50.81	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	312538	54.42	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	334446	54.01	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	216772	52.18	ug/l	99
56) Ethyl methacrylate	9.18	69	327598	54.36	ug/l	99
57) 1,3-Dichloropropane	9.37	76	364473	52.43	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	761609	256.99	ug/l	100
59) 2-Hexanone	9.50	43	1477422	268.86	ug/l	100
60) Dibromochloromethane	9.59	129	222748	57.51	ug/l	99
61) 1,2-Dibromoethane	9.67	107	226607	54.49	ug/l	99
64) Tetrachloroethene	9.34	164	204524	44.93	ug/l	96
65) Chlorobenzene	10.14	112	581188	48.27	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	211766	51.17	ug/l	99
67) Ethyl Benzene	10.25	91	971737	49.31	ug/l	99
68) m/p-Xylenes	10.36	106	771944	100.24	ug/l	98
69) o-Xylene	10.70	106	375523	51.66	ug/l	97
70) Styrene	10.71	104	648708	54.50	ug/l	97
71) Bromoform	10.86	173	169938	54.91	ug/l #	99
73) Isopropylbenzene	11.02	105	1016935	47.43	ug/l	97
74) N-amyl acetate	6.46	43	465507	41.75	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	343968	46.81	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	391116	61.10	ug/l	85
77) Bromobenzene	11.26	156	269107	47.05	ug/l	100
78) n-propylbenzene	11.36	91	1167770	48.50	ug/l	99
79) 2-Chlorotoluene	11.42	91	692903	47.20	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	849963	48.62	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	104524	49.76	ug/l	97
82) 4-Chlorotoluene	11.51	91	791495	46.02	ug/l	98
83) tert-Butylbenzene	11.77	119	834143	48.50	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	863890	49.14	ug/l	100
85) sec-Butylbenzene	11.94	105	1005172	49.52	ug/l	100
86) p-Isopropyltoluene	12.07	119	898432	49.33	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	500591	47.35	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	520001	47.41	ug/l	98
89) n-Butylbenzene	12.39	91	791531	49.87	ug/l	99
90) Hexachloroethane	12.60	117	140184	47.40	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	506880	48.37	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	65870	43.76	ug/l	98

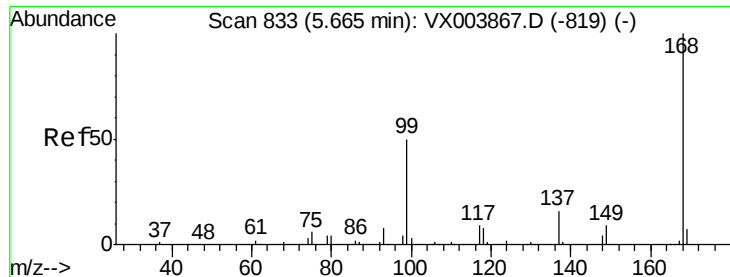
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081318\
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MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 14 03:04:22 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)
93) 1,2,4-Trichlorobenzene	13.65	180	326754	43.35	ug/l	96
94) Hexachlorobutadiene	13.79	225	160856	45.56	ug/l	100
95) Naphthalene	13.83	128	1075650	49.83	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	359485	47.79	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

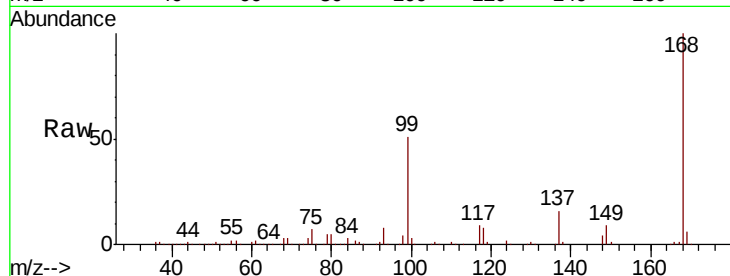
VSTDCCC050

Tot Ion:168 Resp: 329835

Ion Ratio Lower Upper

168 100

99 50.5 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

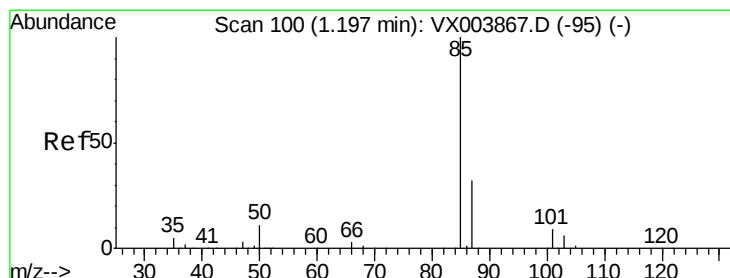
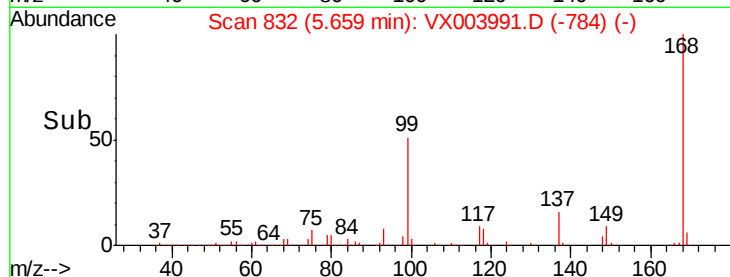
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 47.46 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003991.D

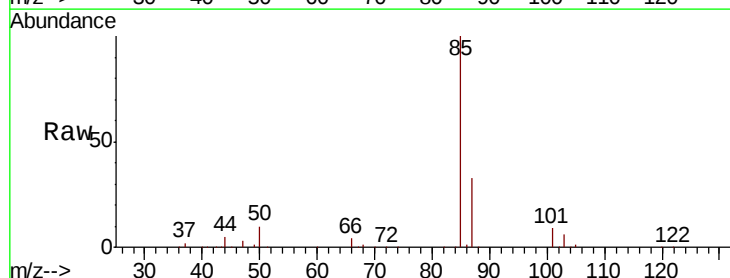
Acq: 13 Aug 2018 10:56

Tgt Ion: 85 Resp: 158653

Ion Ratio Lower Upper

85 100

87 32.6 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

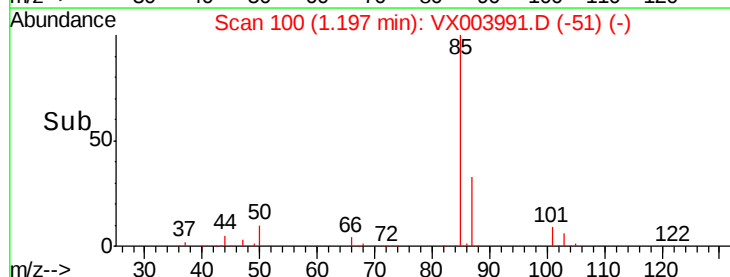
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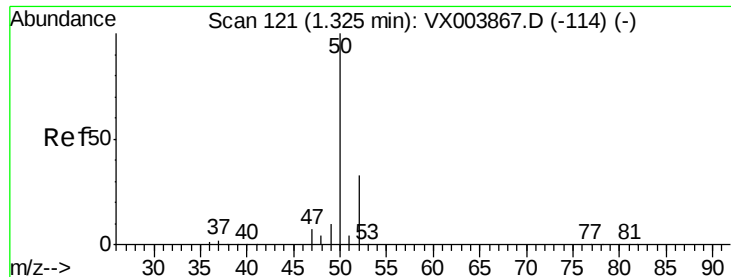
50000

0

Time-->

1.10 1.20 1.30





#3

Chloromethane

Concen: 38.54 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

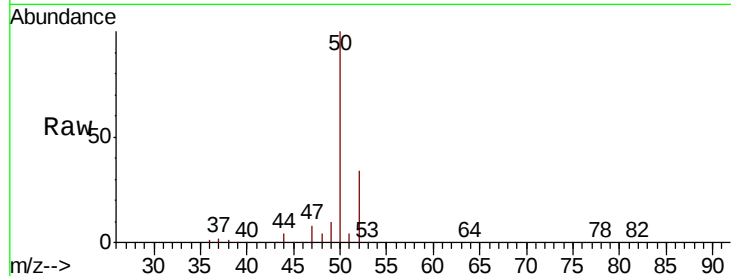
VSTDCCC050

Tot Ion: 50 Resp: 175276

Ion Ratio Lower Upper

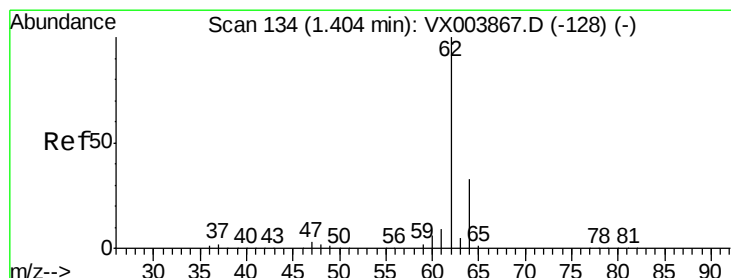
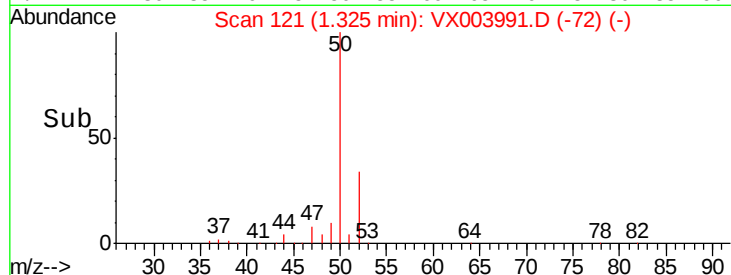
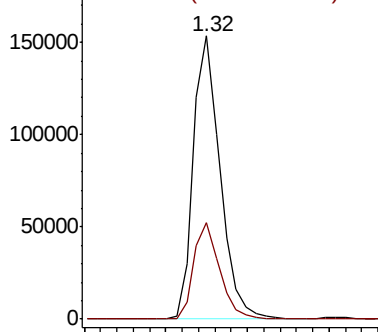
50 100

52 34.1 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 43.56 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003991.D

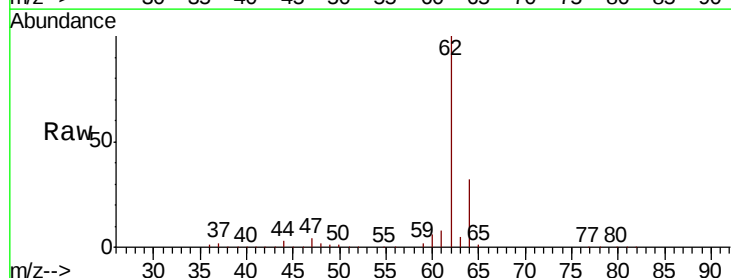
Acq: 13 Aug 2018 10:56

Tgt Ion: 62 Resp: 197541

Ion Ratio Lower Upper

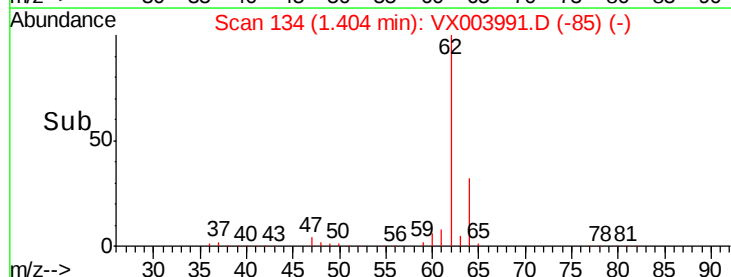
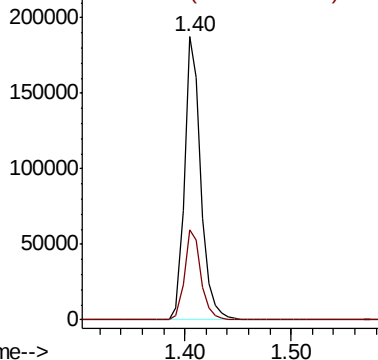
62 100

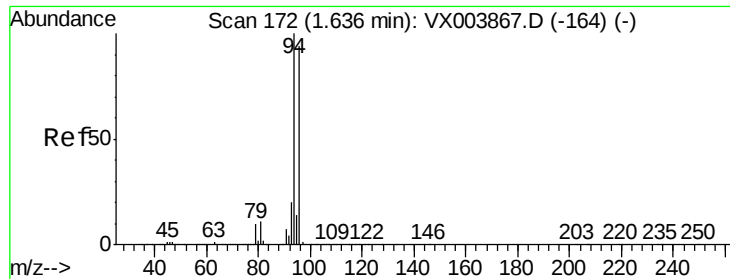
64 31.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 32.06 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampled :

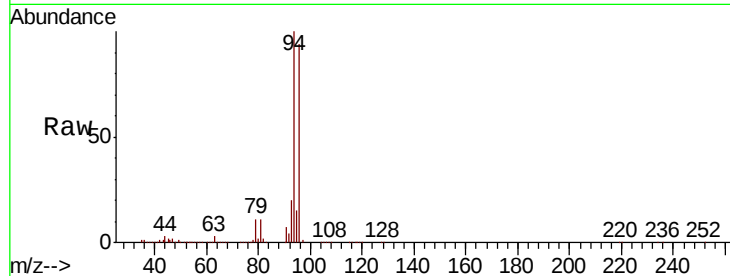
VSTDCCC050

Tot Ion: 94 Resp: 92619

Ion Ratio Lower Upper

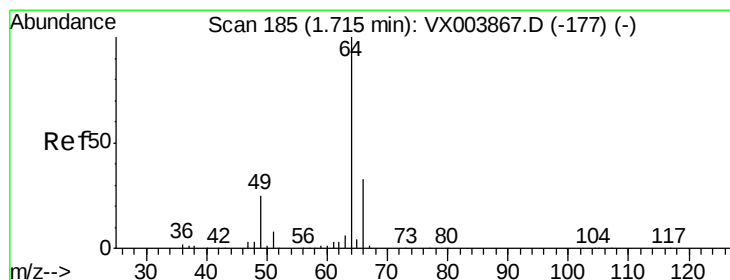
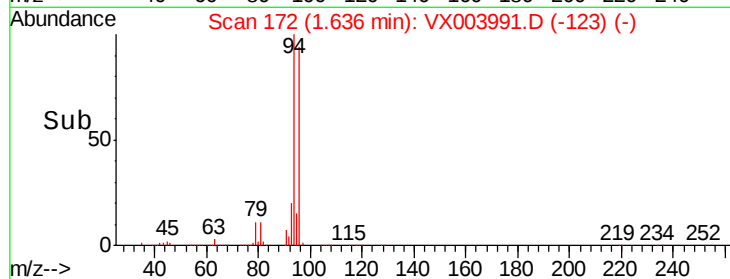
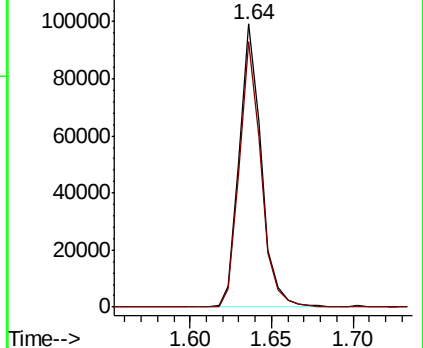
94 100

96 94.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.52 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003991.D

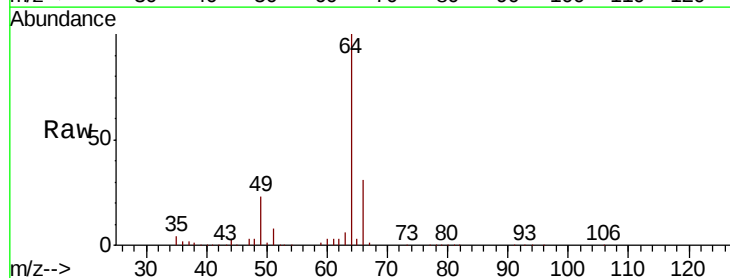
Acq: 13 Aug 2018 10:56

Tgt Ion: 64 Resp: 146589

Ion Ratio Lower Upper

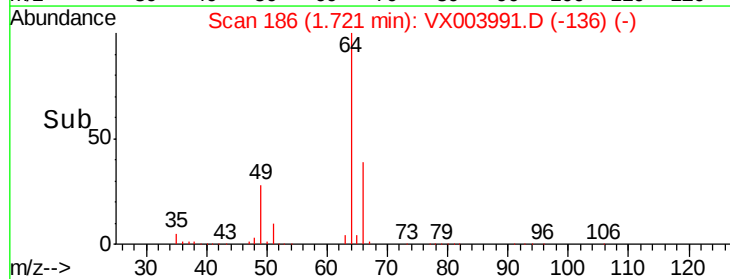
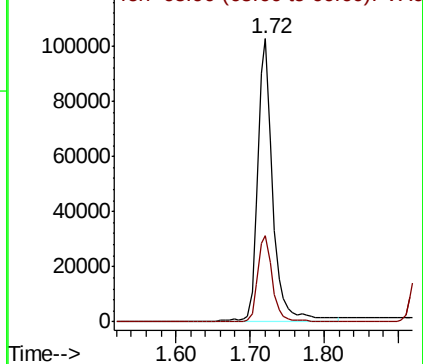
64 100

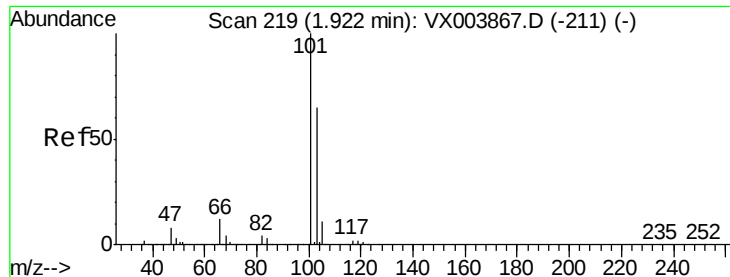
66 30.5 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



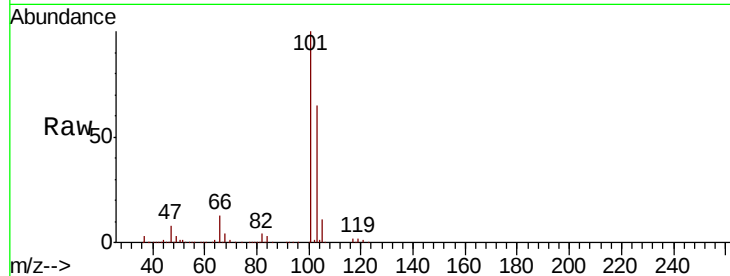


#7

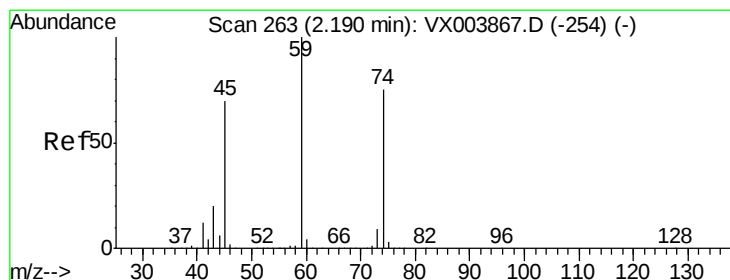
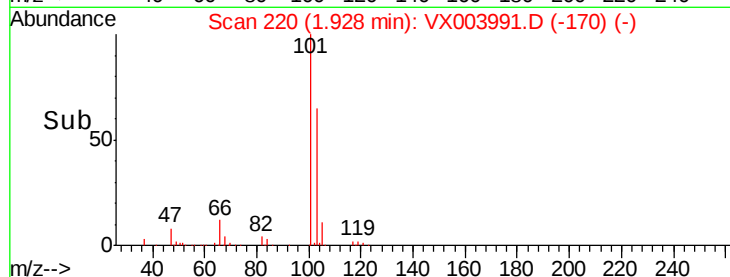
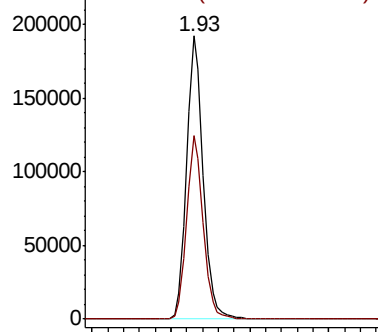
Trichlorofluoromethane
 Concen: 46.88 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 280699
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.3 78.5



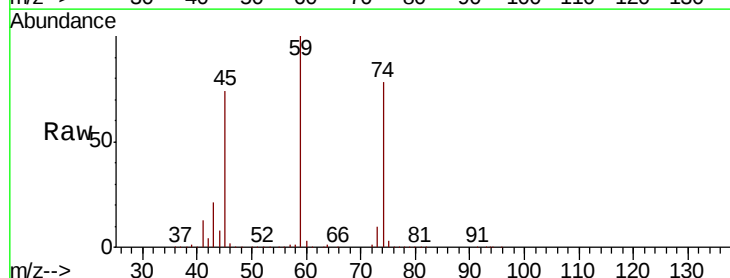
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



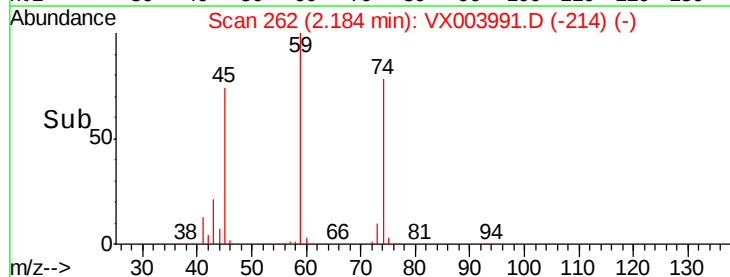
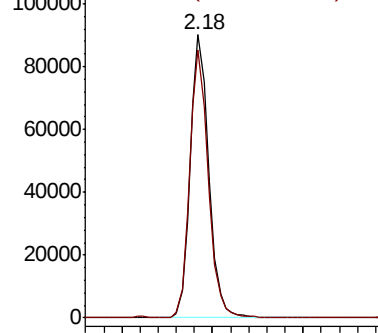
#8

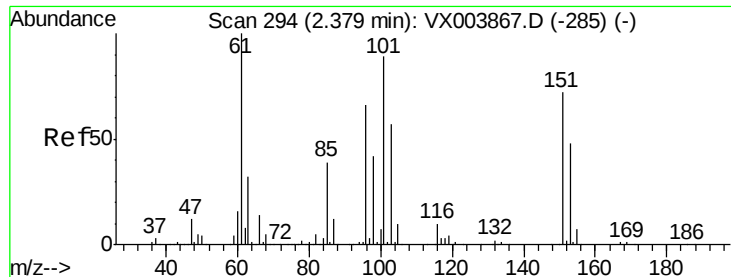
Diethyl Ether
 Concen: 48.04 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.01 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

Tgt Ion: 74 Resp: 129314
 Ion Ratio Lower Upper
 74 100
 45 94.4 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.78 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

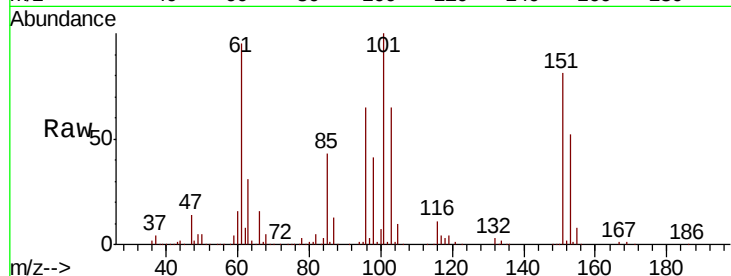
Tot Ion:101 Resp: 178831

Ion Ratio Lower Upper

101 100

85 42.9 34.2 51.4

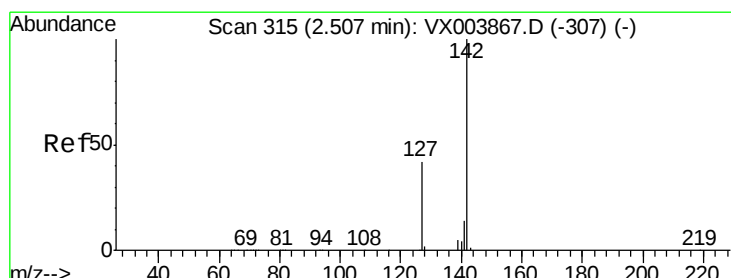
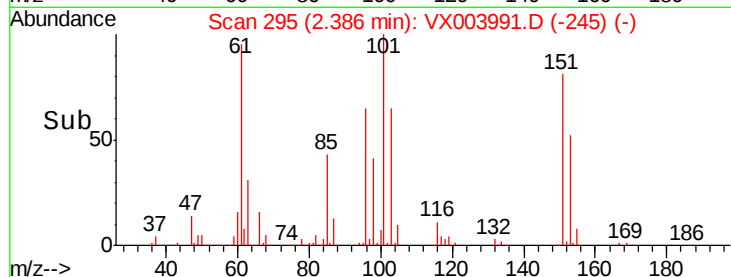
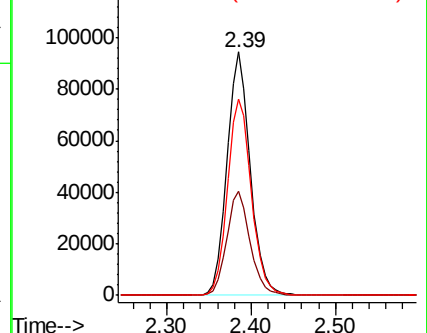
151 82.8 65.0 97.4



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: 30.09 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

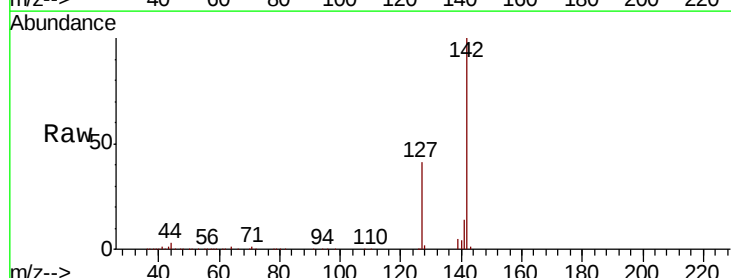
Tgt Ion:142 Resp: 140106

Ion Ratio Lower Upper

142 100

127 42.0 33.1 49.7

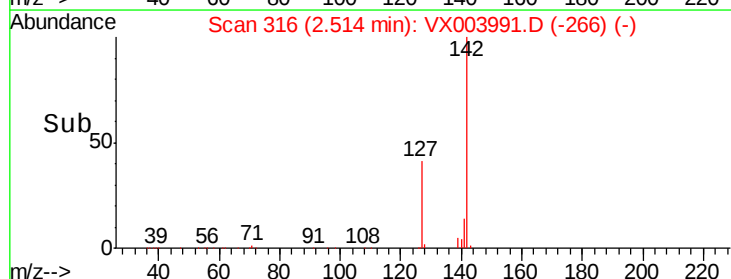
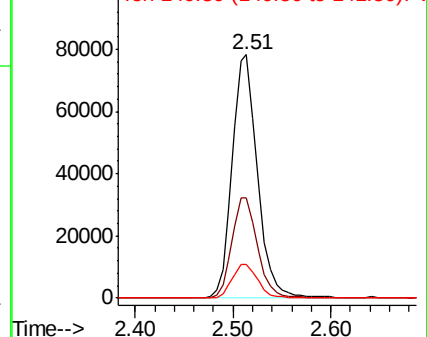
141 14.3 11.1 16.7

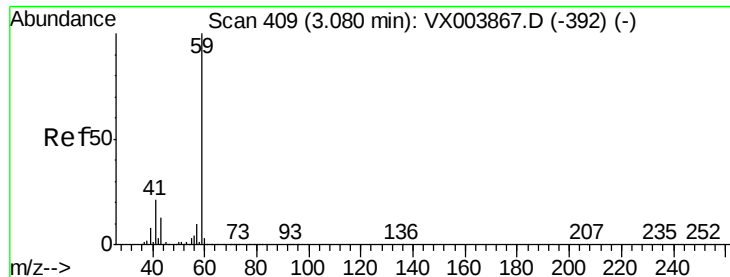


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 219.05 ug/l

RT: 3.04 min Scan# 403

Delta R.T. -0.04 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

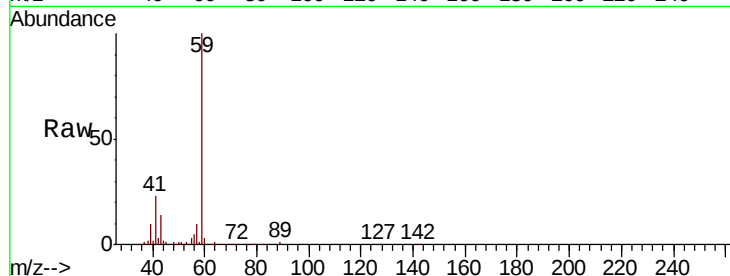
VSTDCCC050

Tot Ion: 59 Resp: 230147

Ion Ratio Lower Upper

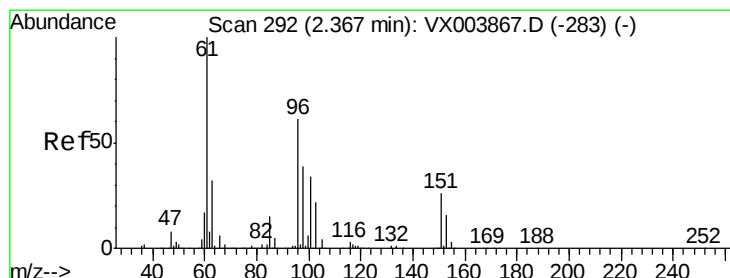
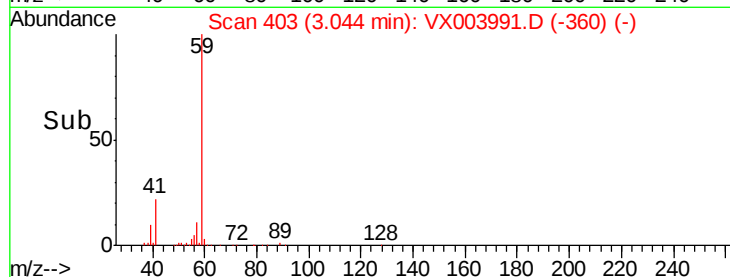
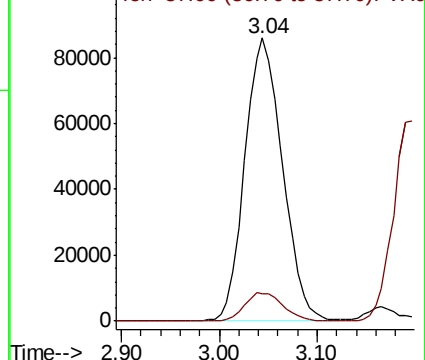
59 100

57 10.4 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#12

1,1-Dichloroethene

Concen: 45.96 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

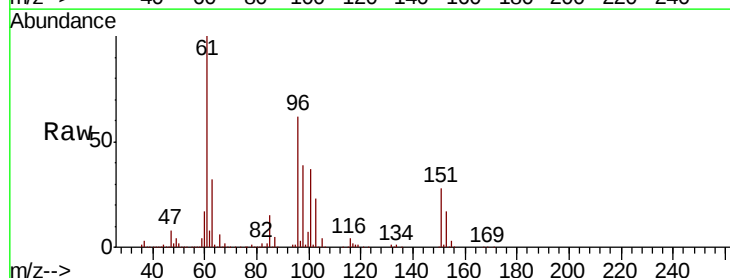
Tgt Ion: 96 Resp: 162722

Ion Ratio Lower Upper

96 100

61 160.2 131.3 196.9

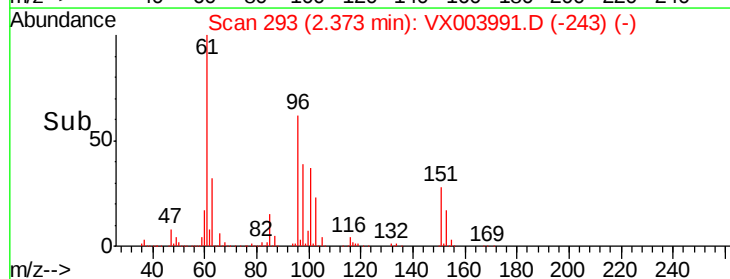
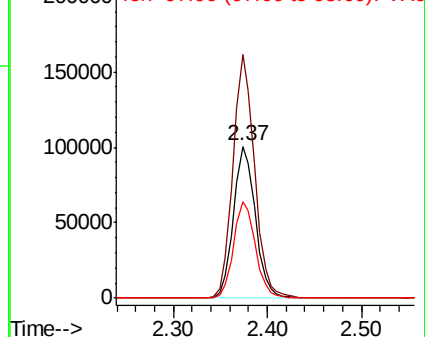
98 63.1 51.8 77.6

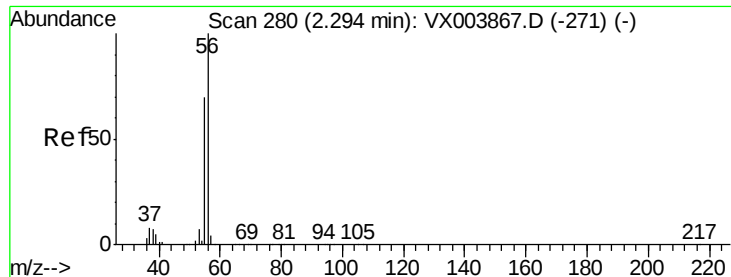


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 269.35 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

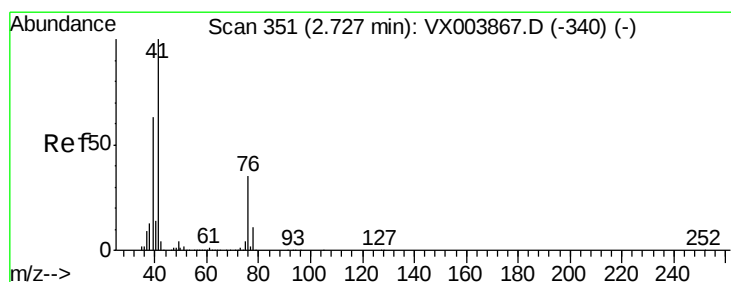
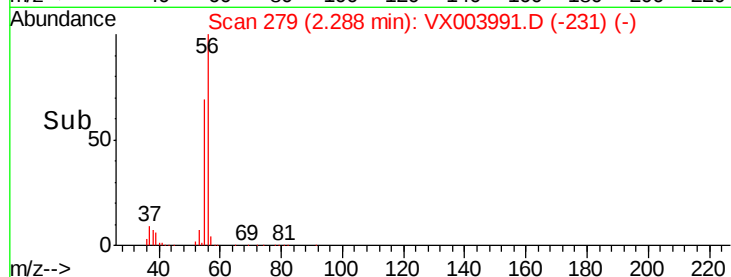
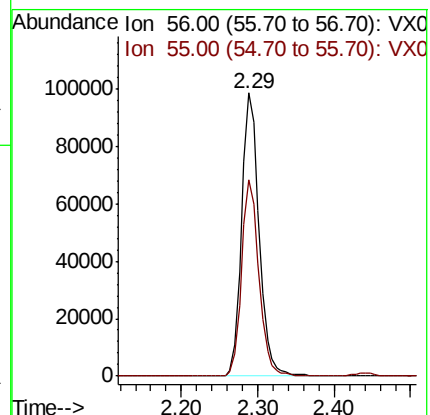
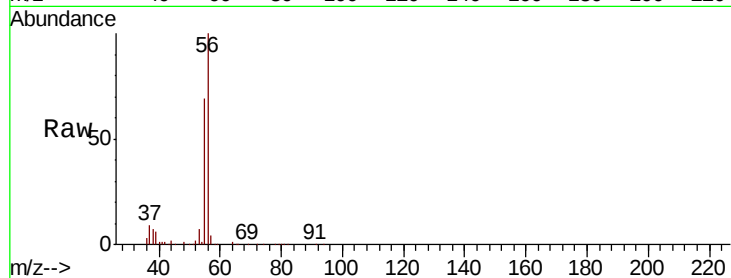
VSTDCCC050

Tot Ion: 56 Resp: 155988

Ion Ratio Lower Upper

56 100

55 68.6 56.1 84.1



#14

Allyl chloride

Concen: 46.31 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

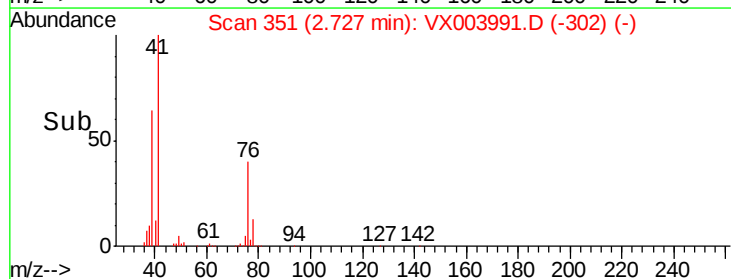
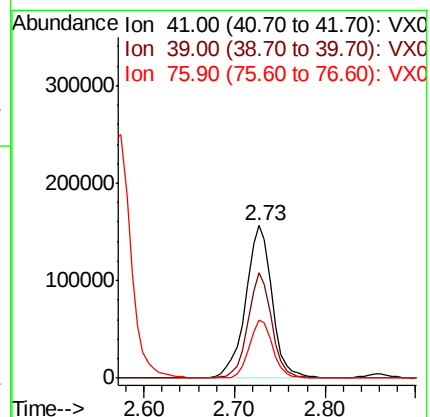
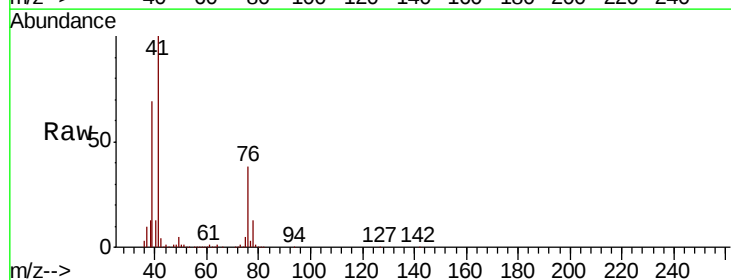
Tgt Ion: 41 Resp: 316004

Ion Ratio Lower Upper

41 100

39 61.7 47.4 71.0

76 33.4 26.0 39.0





#15

Acrylonitrile

Concen: 235.28 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

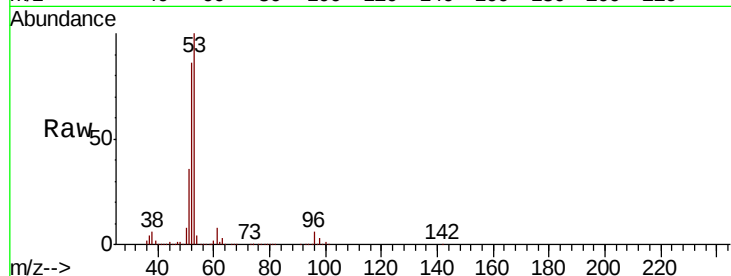
Tot Ion: 53 Resp: 589849

Ion Ratio Lower Upper

53 100

52 82.8 65.3 97.9

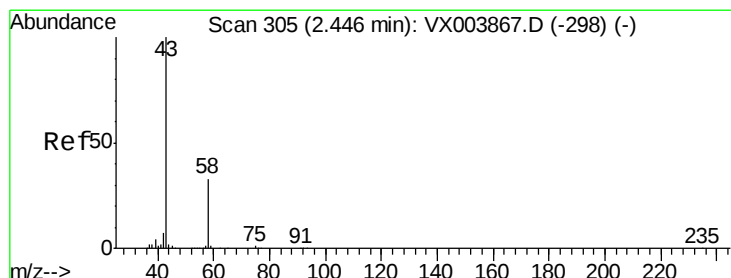
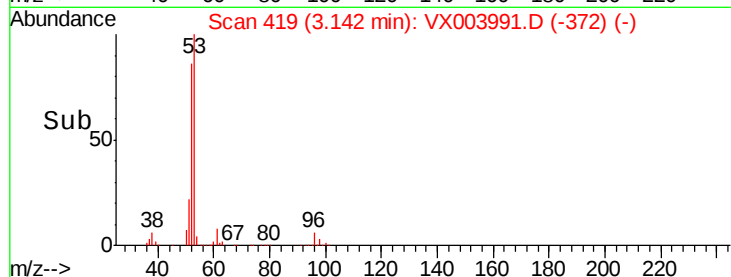
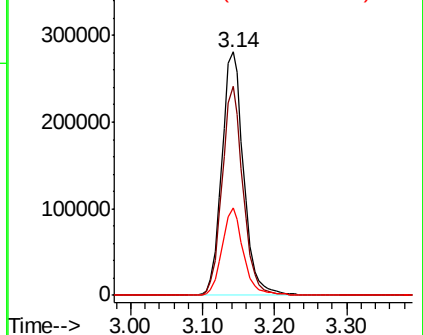
51 35.2 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 236.19 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX003991.D

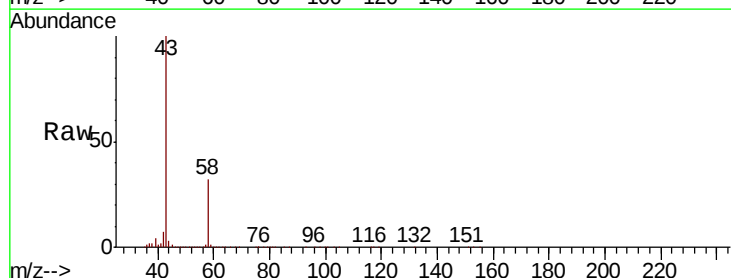
Acq: 13 Aug 2018 10:56

Tgt Ion: 43 Resp: 614360

Ion Ratio Lower Upper

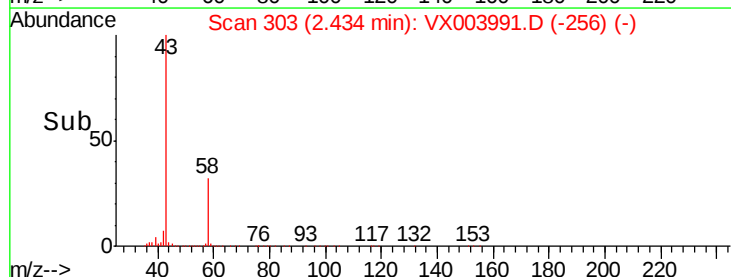
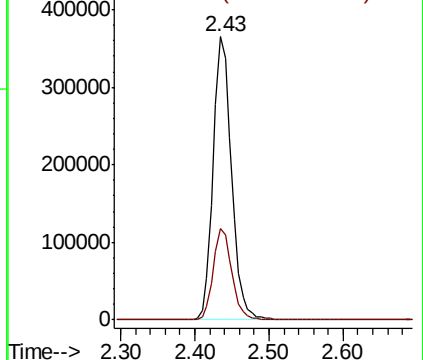
43 100

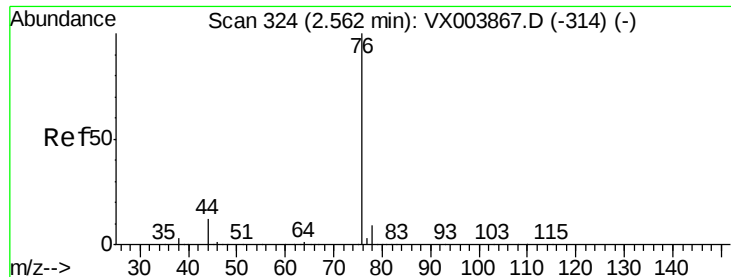
58 32.3 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

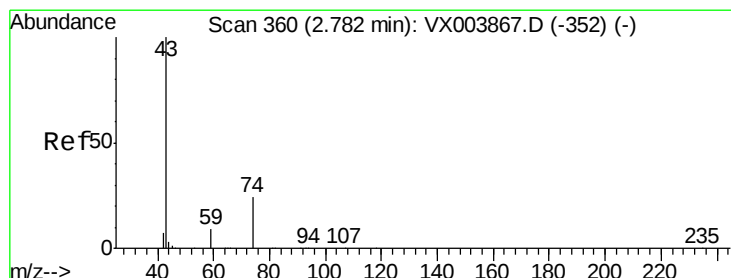
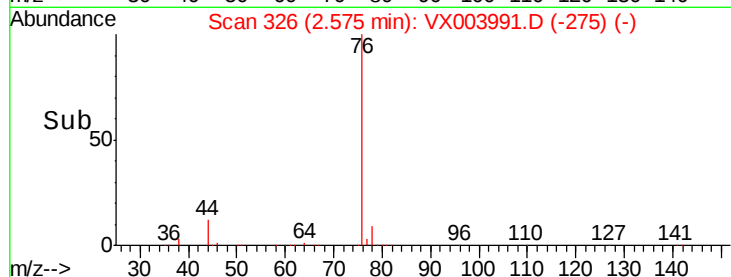
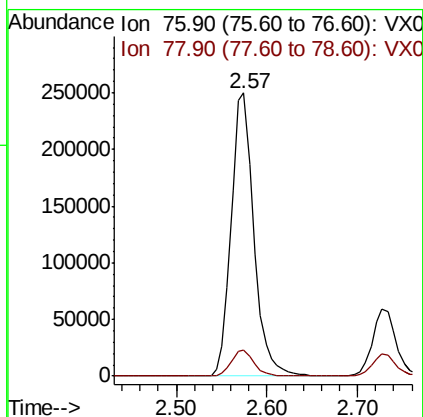
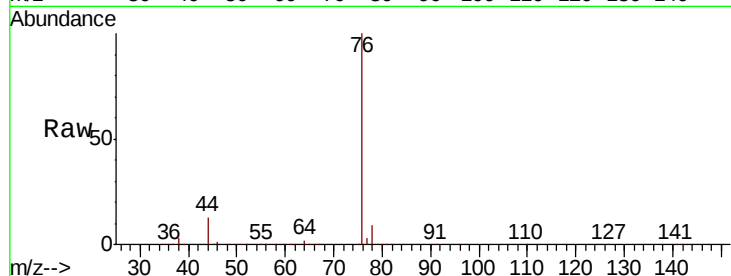




#17
Carbon Disulfide
Concen: 40.26 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

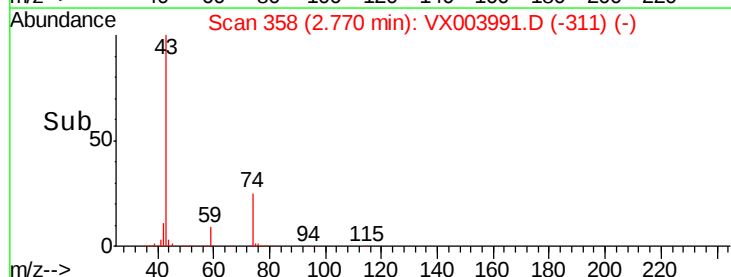
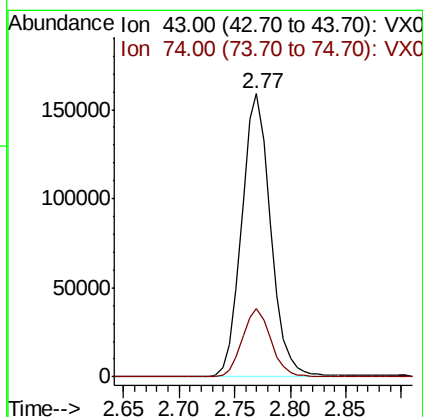
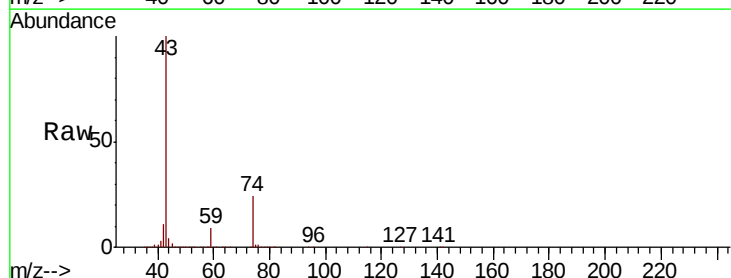
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

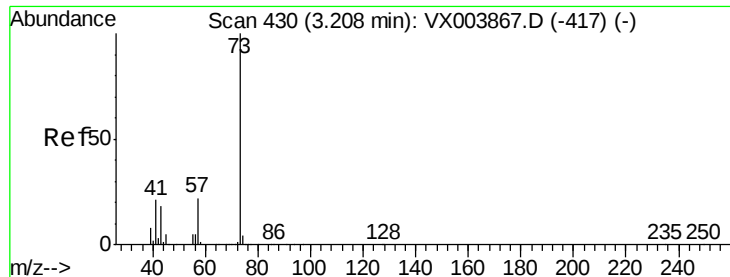
Tot Ion: 76 Resp: 434844
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#18
Methyl Acetate
Concen: 50.48 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.01 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Tgt Ion: 43 Resp: 285910
Ion Ratio Lower Upper
43 100
74 24.1 18.9 28.3



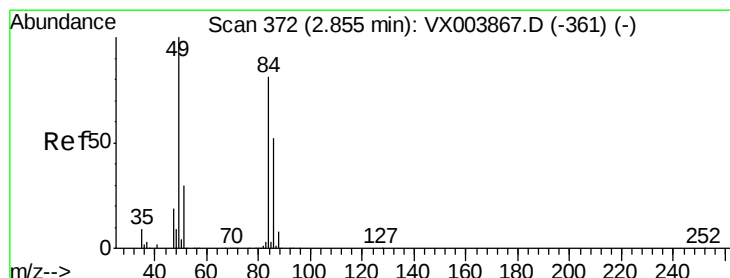
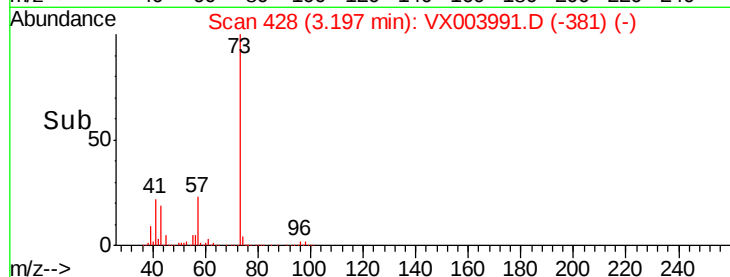
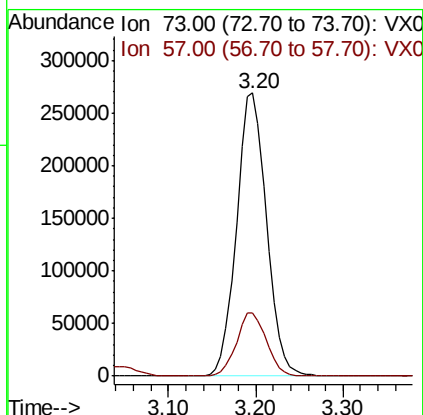
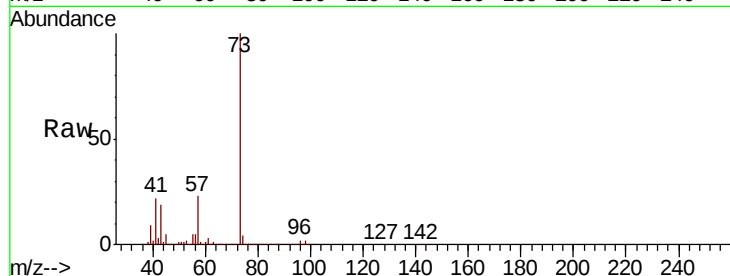


#19

Methyl tert-butyl Ether
 Concen: 50.99 ug/l
 RT: 3.20 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

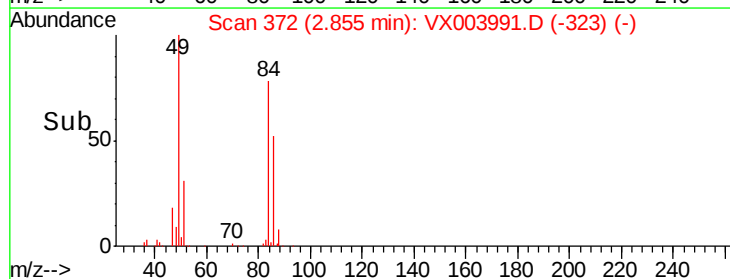
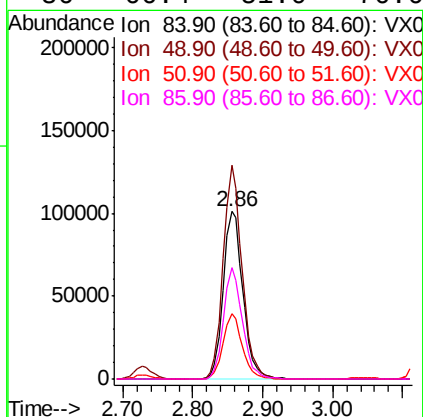
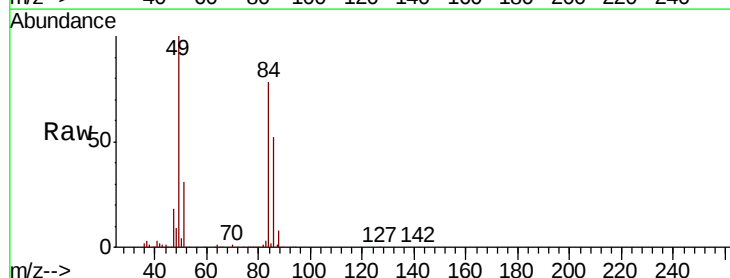
Tot Ion: 73 Resp: 639707
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.0 27.0

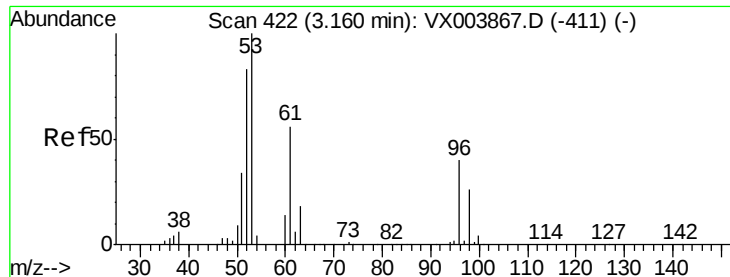


#20

Methylene Chloride
 Concen: 31.24 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

Tgt Ion: 84 Resp: 197011
 Ion Ratio Lower Upper
 84 100
 49 127.6 98.9 148.3
 51 39.2 29.9 44.9
 86 66.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 45.61 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

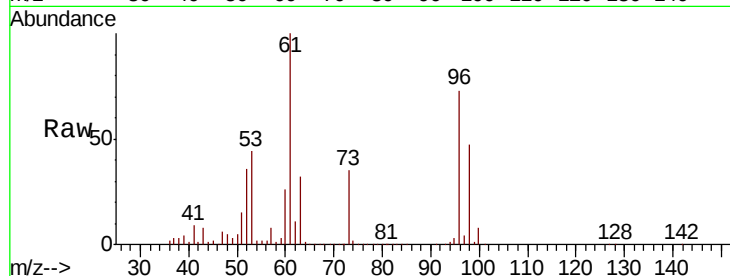
Tot Ion: 96 Resp: 183302

Ion Ratio Lower Upper

96 100

61 137.4 111.8 167.6

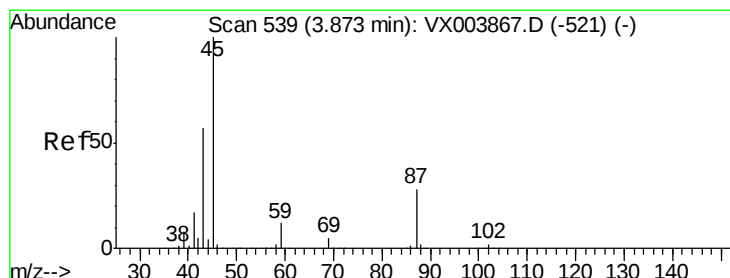
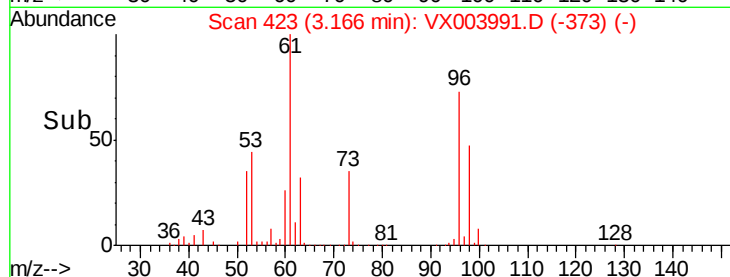
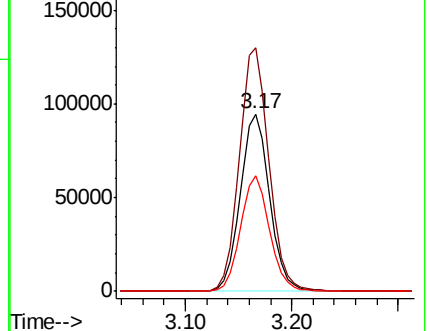
98 64.9 51.8 77.6



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: 53.67 ug/l

RT: 3.86 min Scan# 537

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Tgt Ion: 45 Resp: 673192

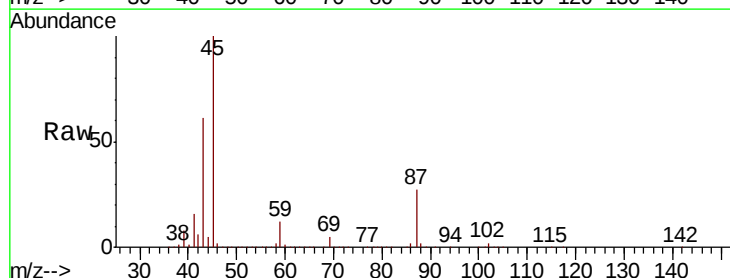
Ion Ratio Lower Upper

45 100

43 60.9 45.3 67.9

87 26.7 22.7 34.1

59 11.4 9.6 14.4

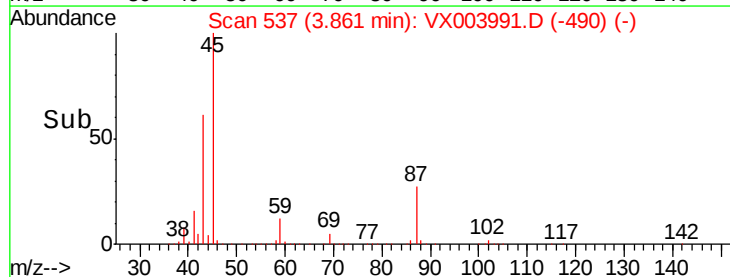
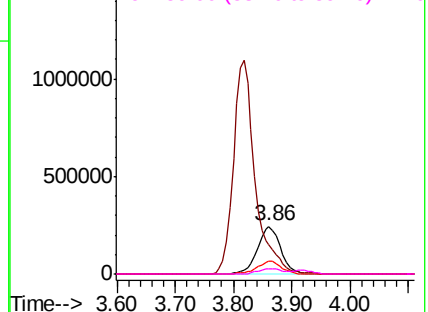


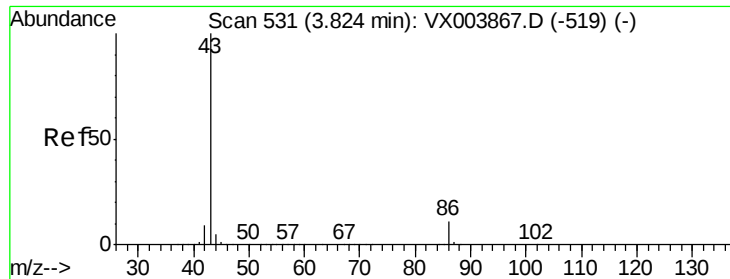
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 273.00 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

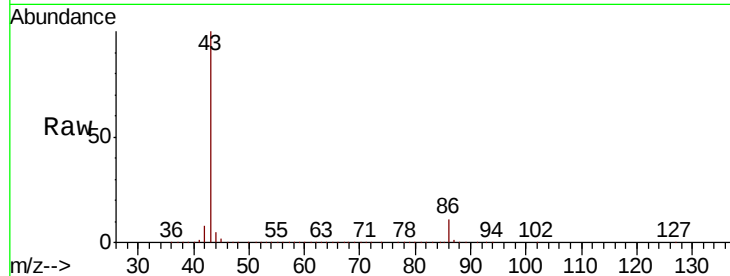
VSTDCCC050

Tot Ion: 43 Resp: 2849500

Ion Ratio Lower Upper

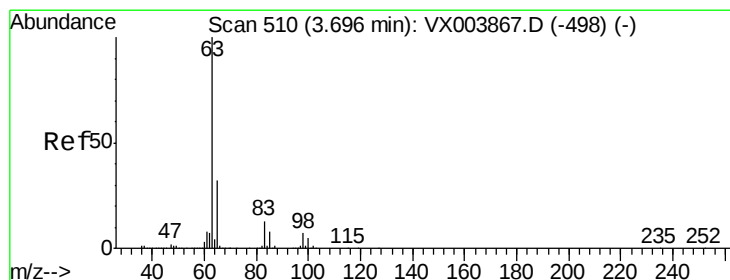
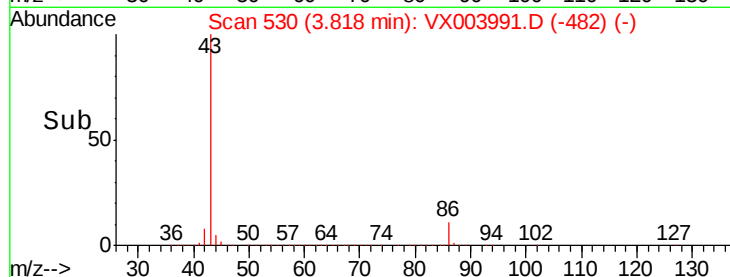
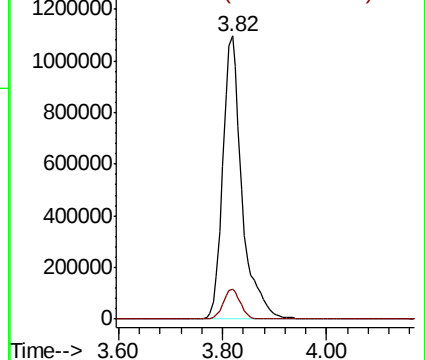
43 100

86 10.5 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.37 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

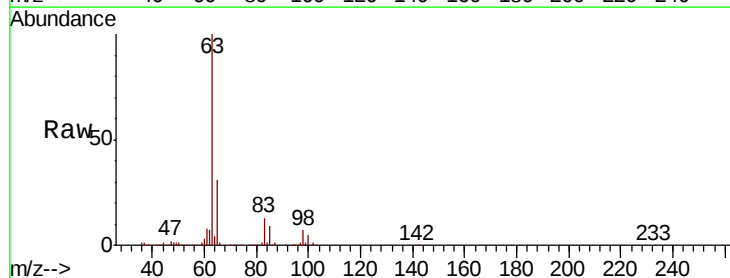
Tgt Ion: 63 Resp: 360414

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

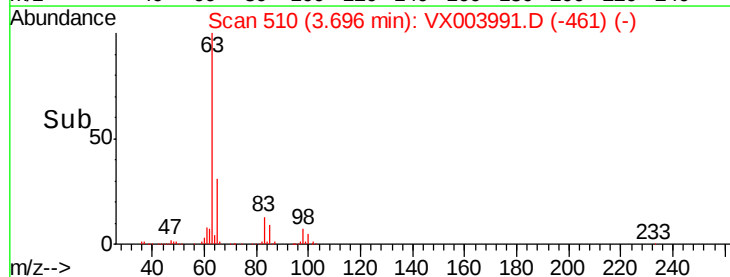
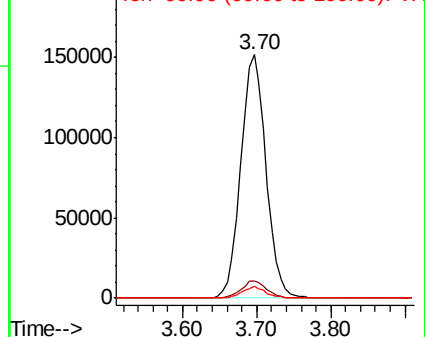
100 4.7 2.3 6.8

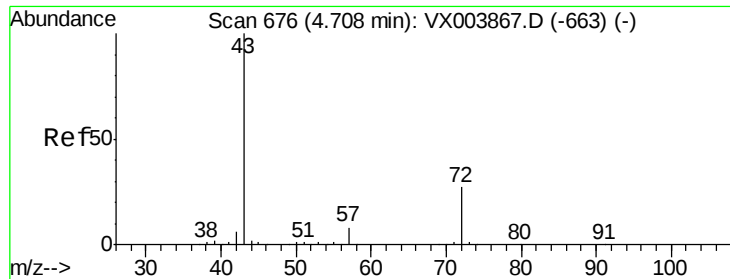


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 249.97 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.02 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

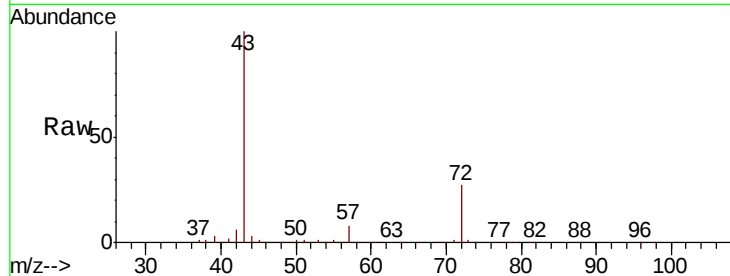
VSTDCCC050

Tot Ion: 43 Resp: 977604

Ion Ratio Lower Upper

43 100

72 26.5 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

400000

300000

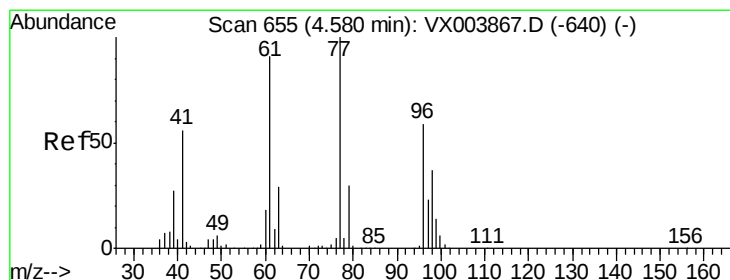
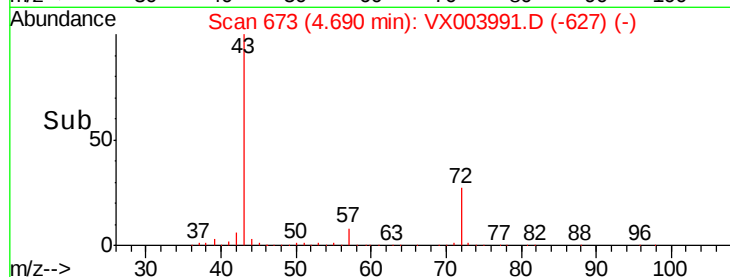
200000

100000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 52.33 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003991.D

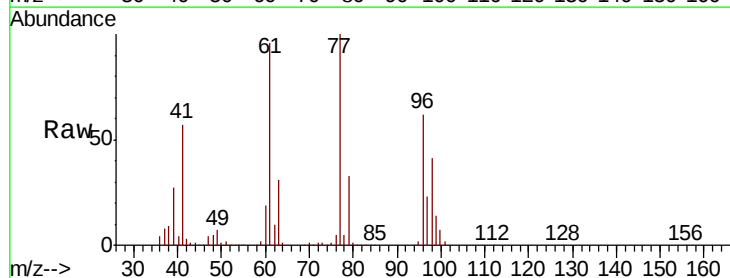
Acq: 13 Aug 2018 10:56

Tgt Ion: 77 Resp: 281212

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

100000

80000

60000

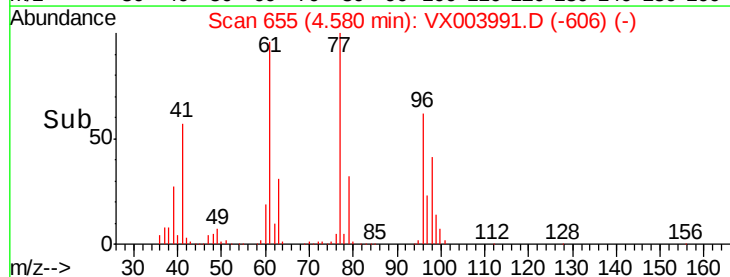
40000

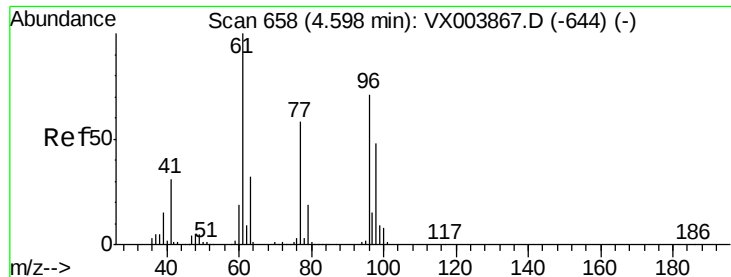
20000

0

4.40 4.50 4.60 4.70

Time-->



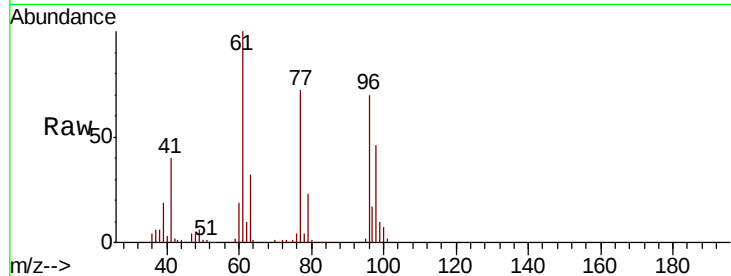


#27

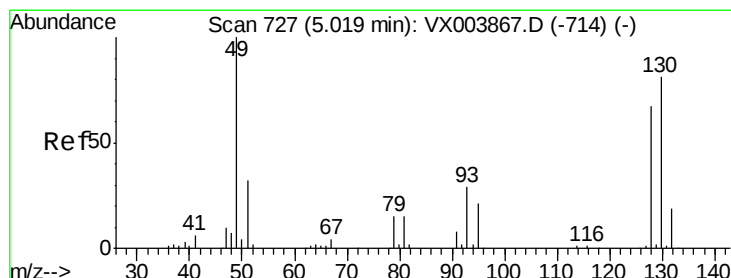
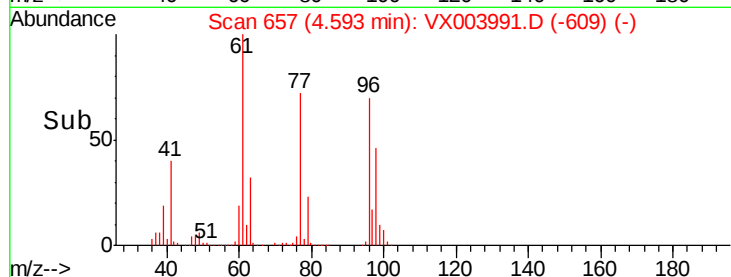
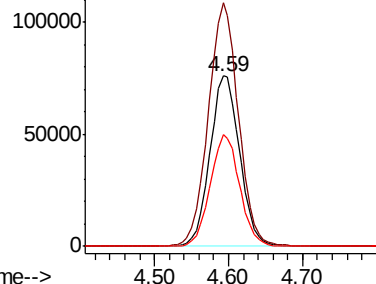
cis-1,2-Dichloroethene
Concen: 48.91 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	293.0
98	64.9	0.0	131.8



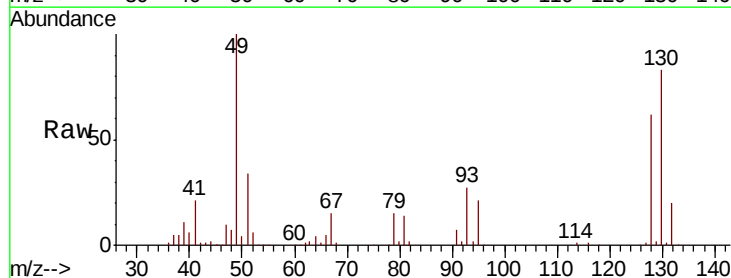
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



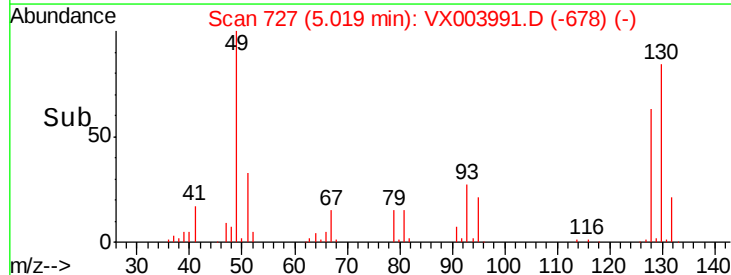
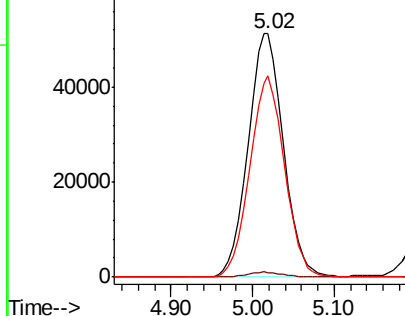
#28

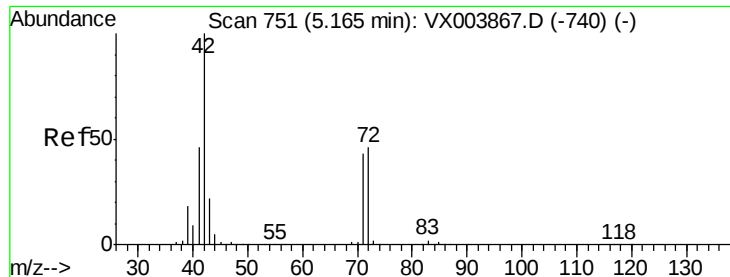
Bromochloromethane
Concen: 48.47 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	81.1	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: 241.88 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

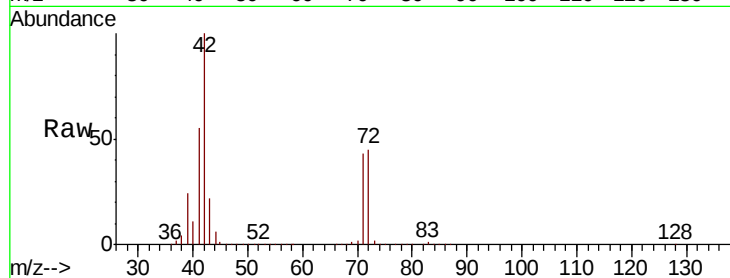
Tot Ion: 42 Resp: 486204

Ion Ratio Lower Upper

42 100

72 45.9 37.7 56.5

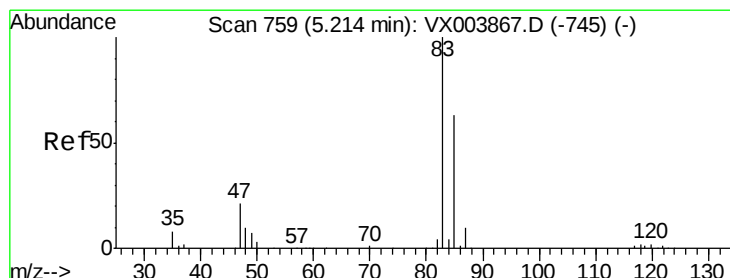
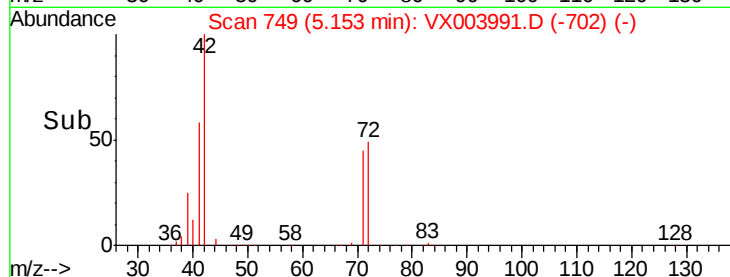
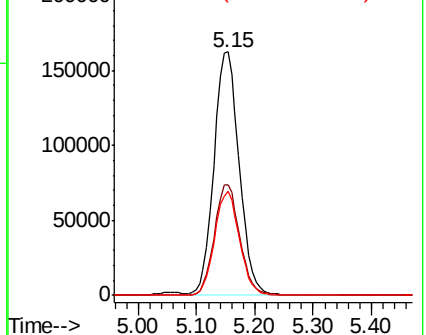
71 42.2 35.0 52.6



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: 49.47 ug/l

RT: 5.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX003991.D

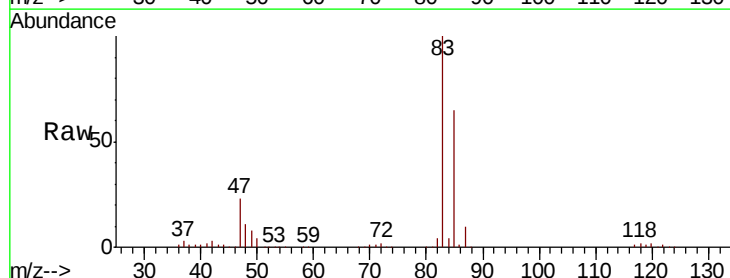
Acq: 13 Aug 2018 10:56

Tgt Ion: 83 Resp: 347060

Ion Ratio Lower Upper

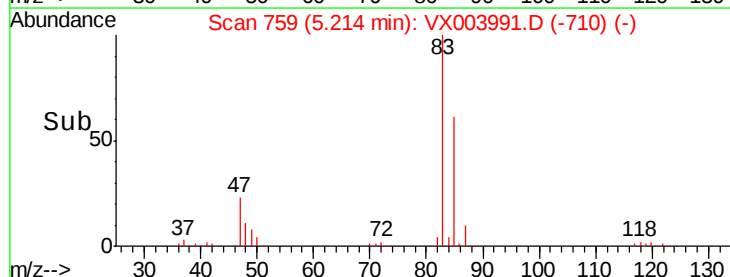
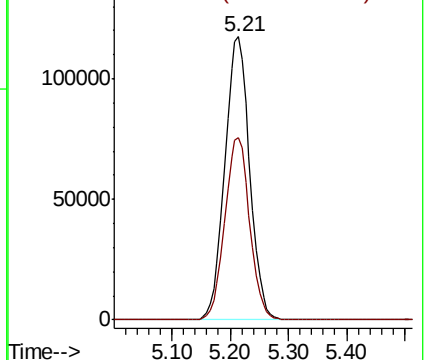
83 100

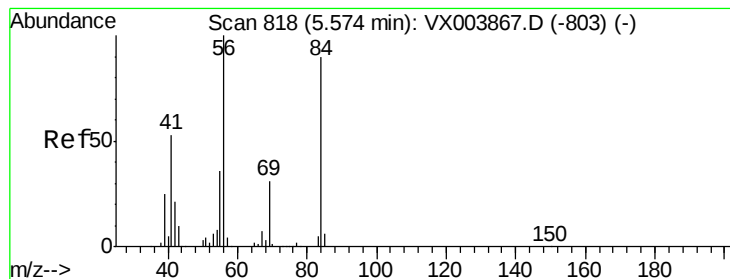
85 64.6 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 47.16 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

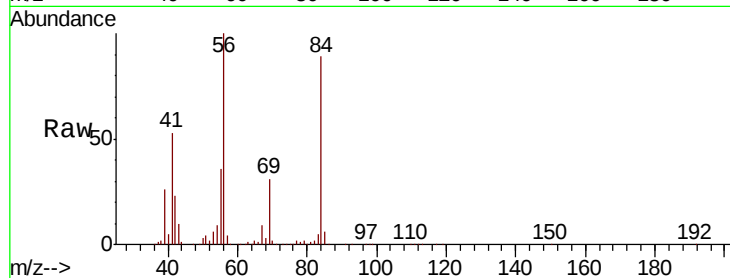
Tot Ion: 56 Resp: 297192

Ion Ratio Lower Upper

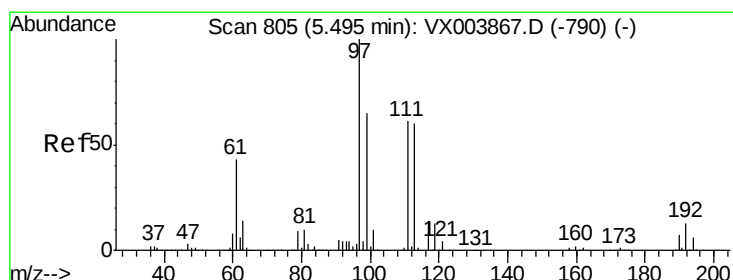
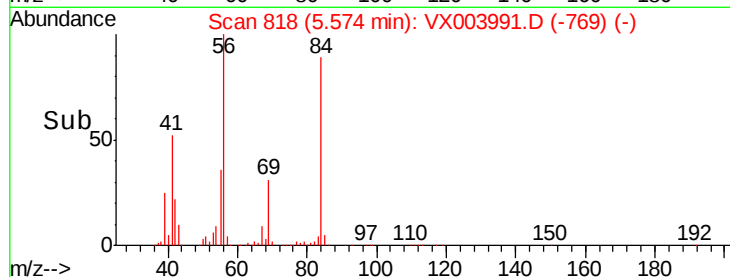
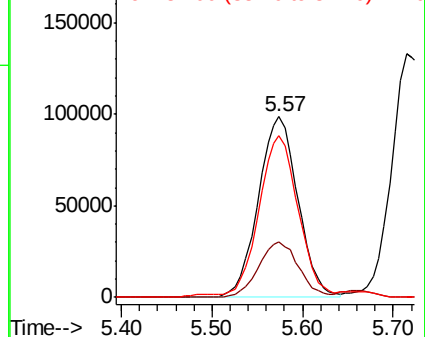
56 100

69 30.8 24.9 37.3

84 88.1 71.7 107.5



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



#32

1,1,1-Trichloroethane

Concen: 50.34 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

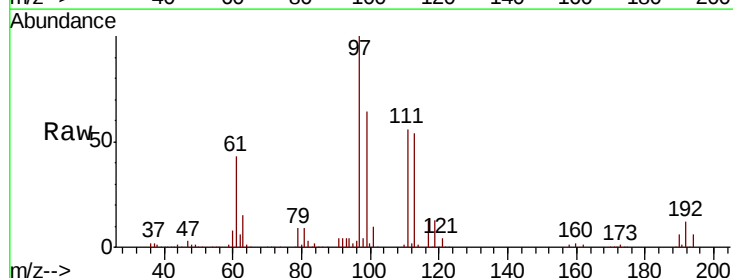
Tgt Ion: 97 Resp: 296137

Ion Ratio Lower Upper

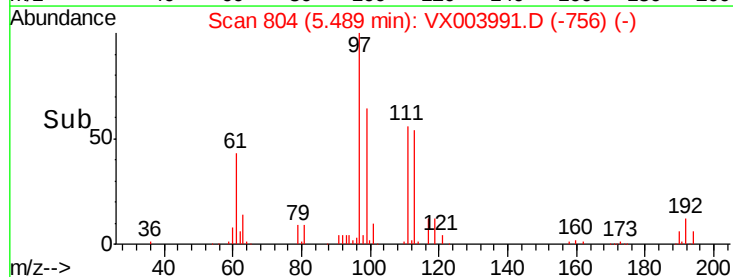
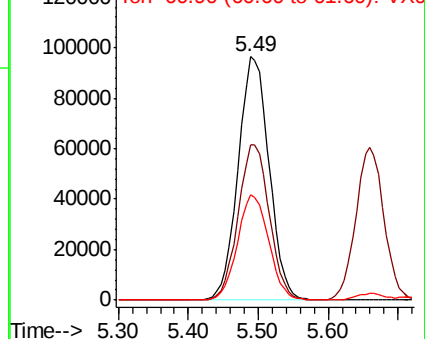
97 100

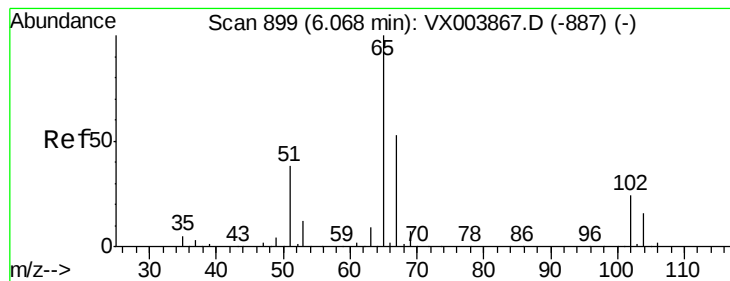
99 64.5 51.8 77.8

61 43.9 34.4 51.6



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





#33

1,2-Dichloroethane-d4

Concen: 49.57 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

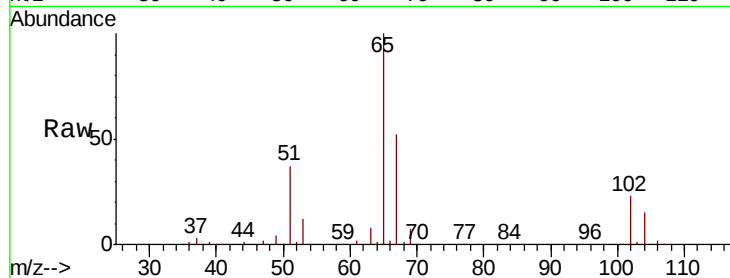
VSTDCCC050

Tot Ion: 65 Resp: 216724

Ion Ratio Lower Upper

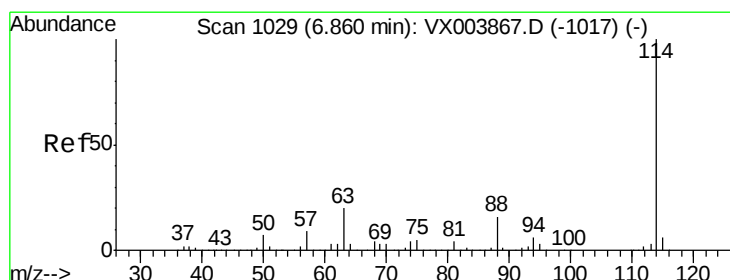
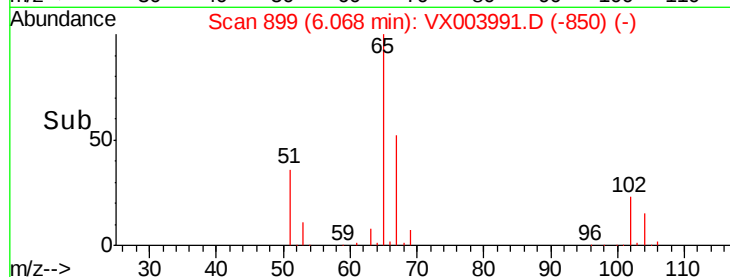
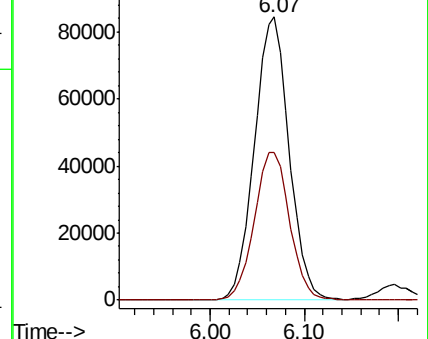
65 100

67 53.4 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

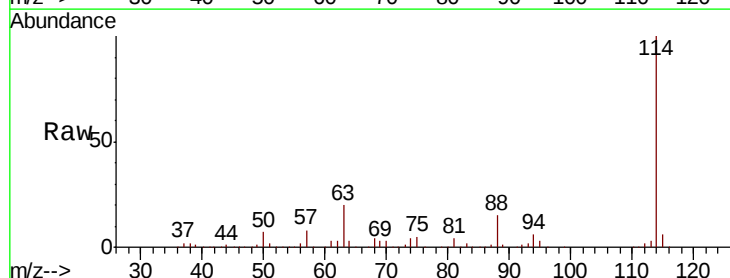
Tgt Ion: 114 Resp: 478367

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

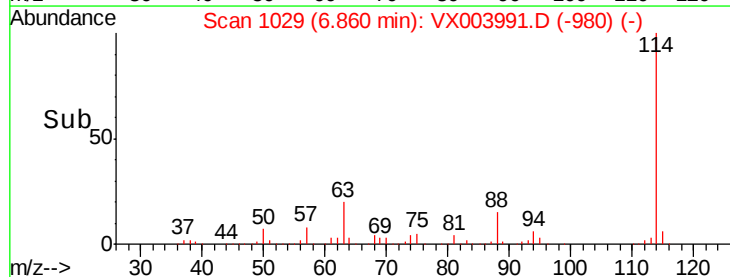
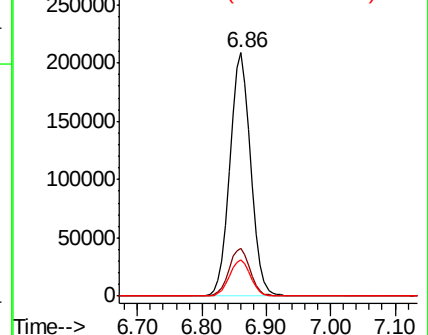
88 15.1 0.0 32.0

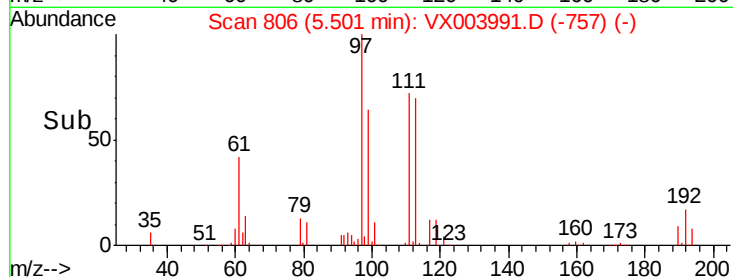
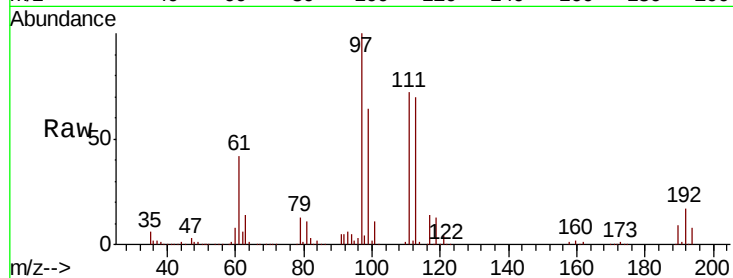
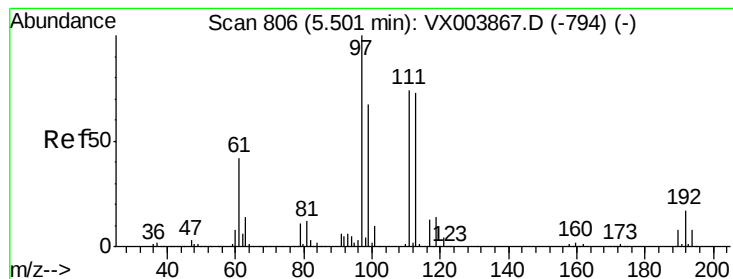


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.03 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

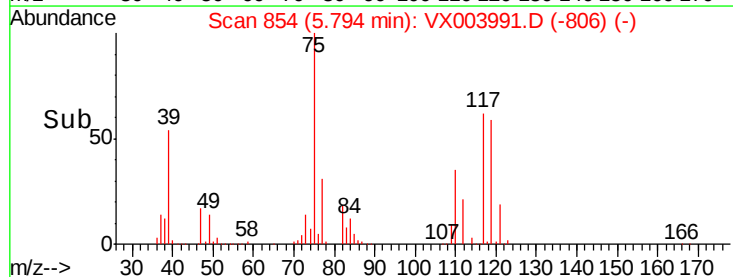
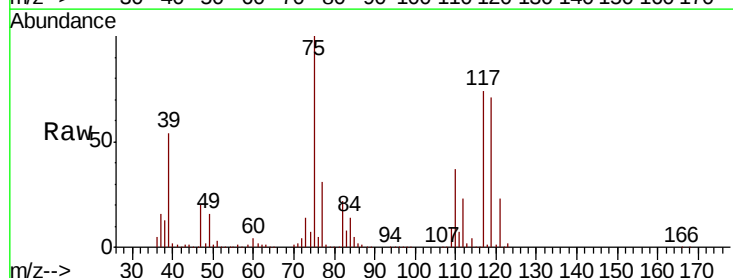
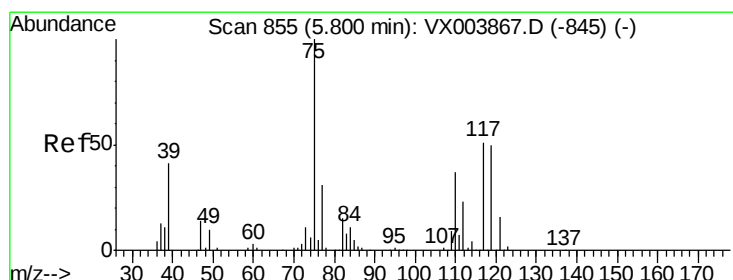
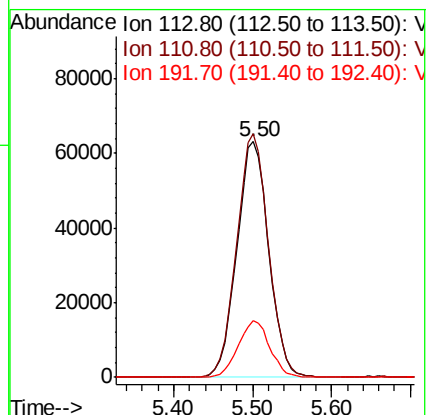
Tot Ion:113 Resp: 177678

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

192 23.7 19.0 28.4



#36

1,1-Dichloropropene

Concen: 48.22 ug/l

RT: 5.79 min Scan# 854

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

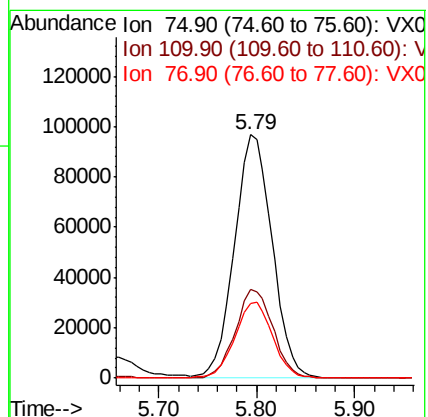
Tgt Ion: 75 Resp: 258377

Ion Ratio Lower Upper

75 100

110 36.3 18.2 54.6

77 31.1 25.0 37.4





#37

Ethyl Acetate

Concen: 49.69 ug/l

RT: 4.85 min Scan# 699

Delta R.T. -0.02 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

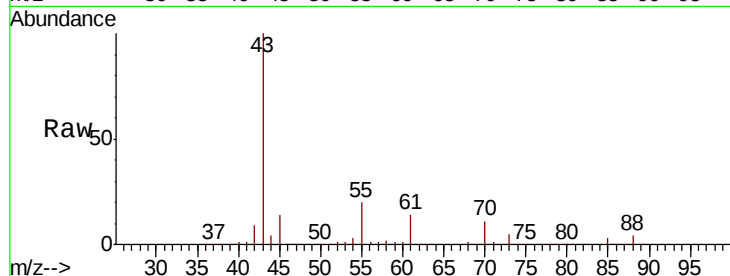
Tot Ion: 43 Resp: 292832

Ion Ratio Lower Upper

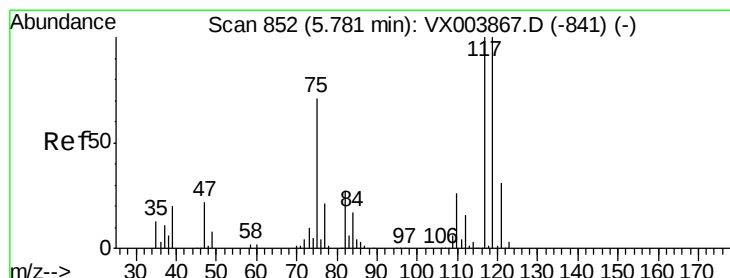
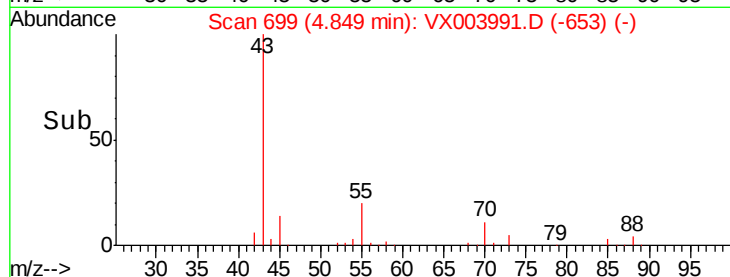
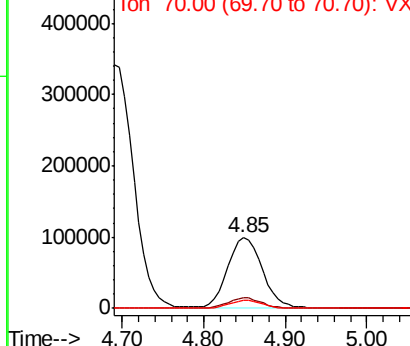
43 100

61 14.2 11.5 17.3

70 11.0 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: 50.71 ug/l

RT: 5.78 min Scan# 852

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

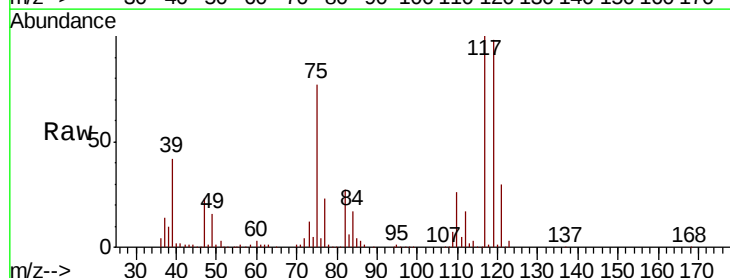
Tgt Ion: 117 Resp: 258615

Ion Ratio Lower Upper

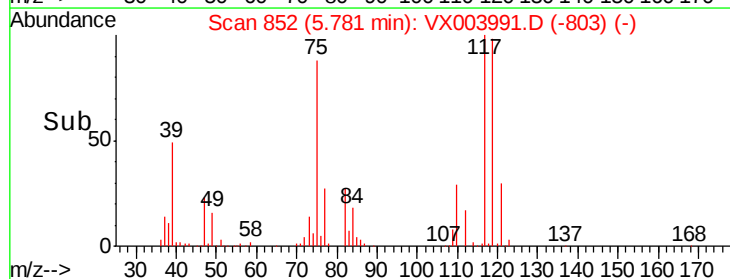
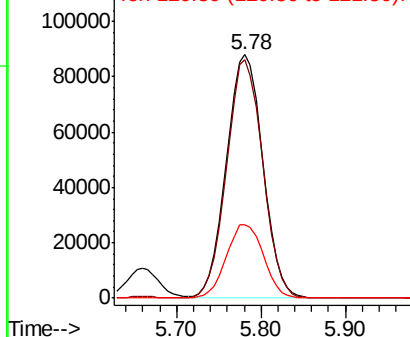
117 100

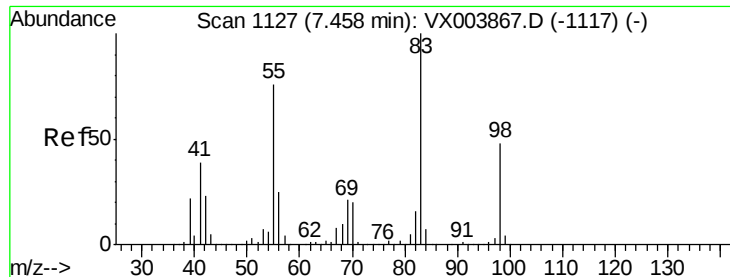
119 98.0 79.5 119.3

121 30.2 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

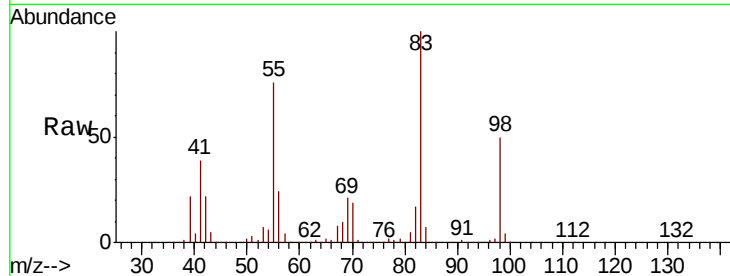




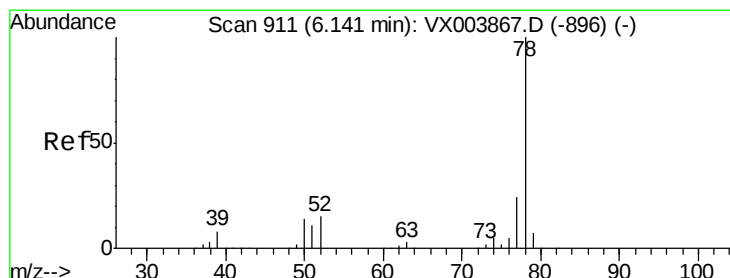
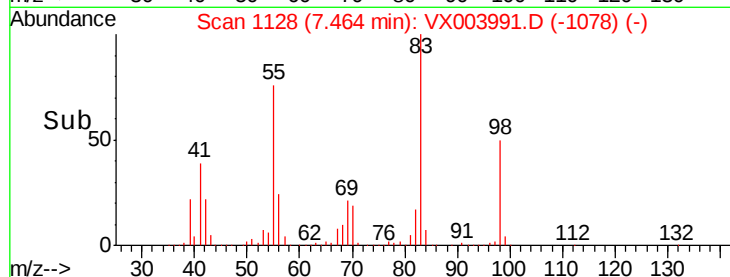
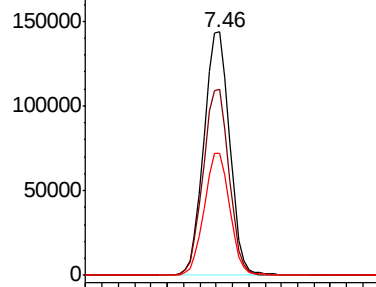
#39
Methvlcvclohexane
Concen: 49.45 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 312348
Ion Ratio Lower Upper
83 100
55 76.4 61.0 91.6
98 50.0 38.6 57.8

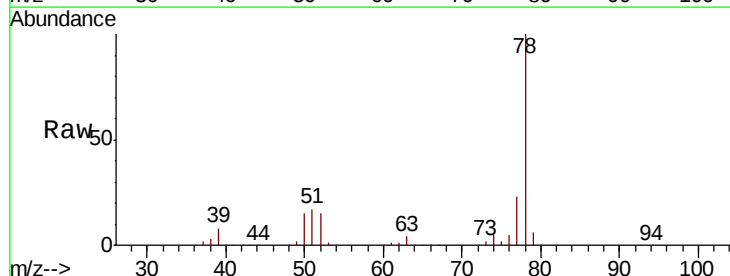


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

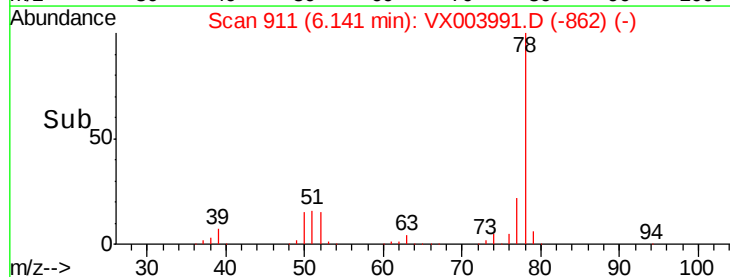
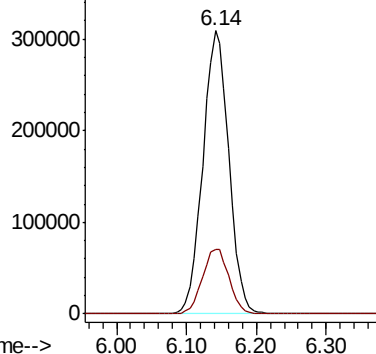


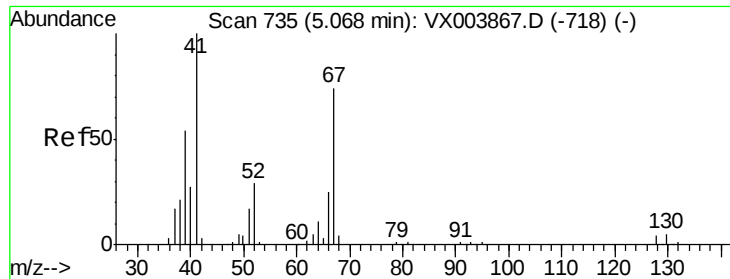
#40
Benzene
Concen: 49.49 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Tgt Ion: 78 Resp: 796167
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.4



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

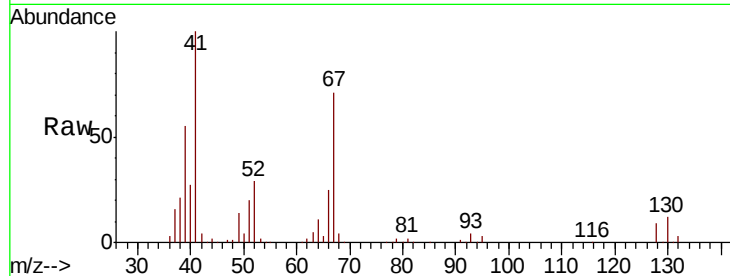




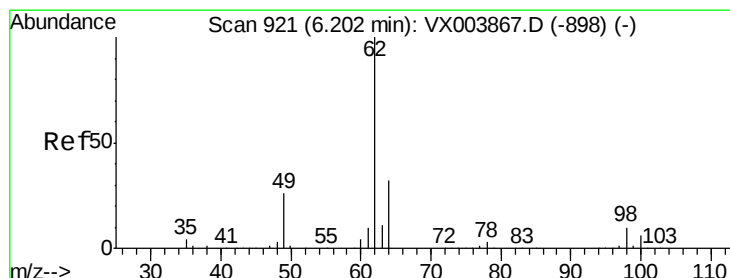
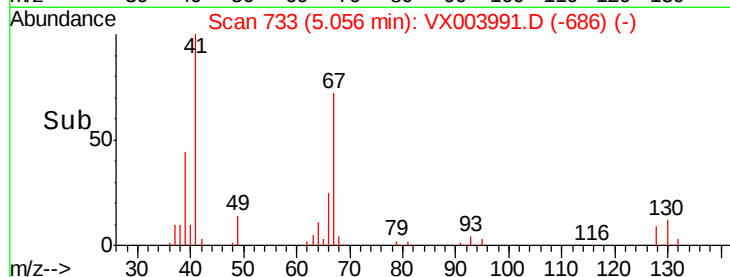
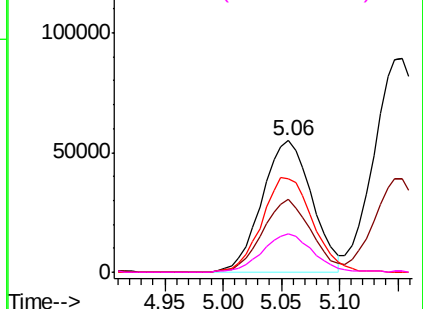
#41
Methacrylonitrile
Concen: 50.13 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	162727
Ion	Ratio	Lower	Upper
41	100		
39	54.3	42.7	64.1
67	73.6	58.9	88.3
52	29.7	22.6	33.8

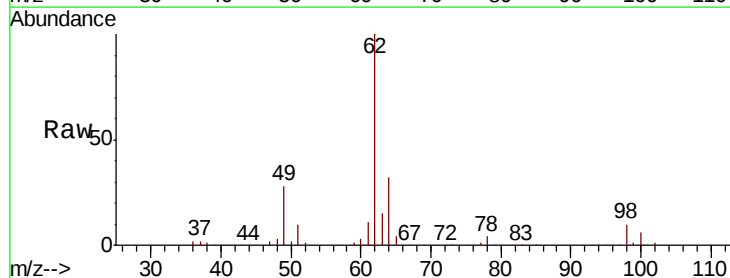


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

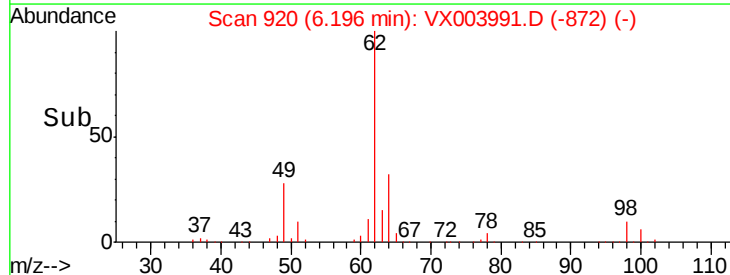
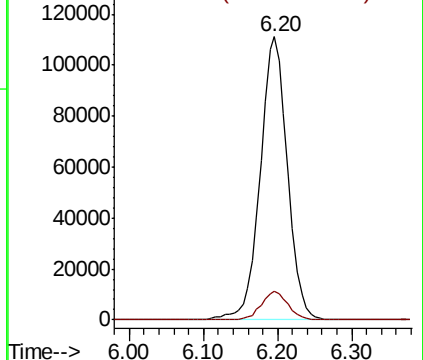


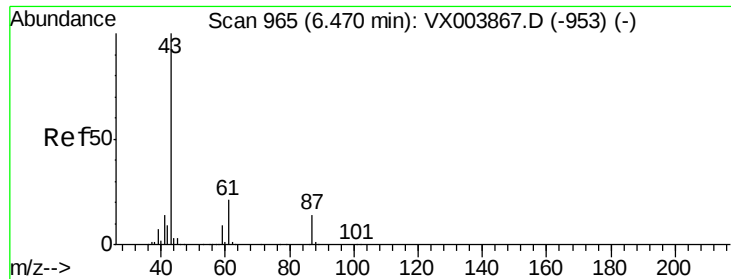
#42
1,2-Dichloroethane
Concen: 51.93 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Tgt Ion:	62	Resp:	282519
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.4



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



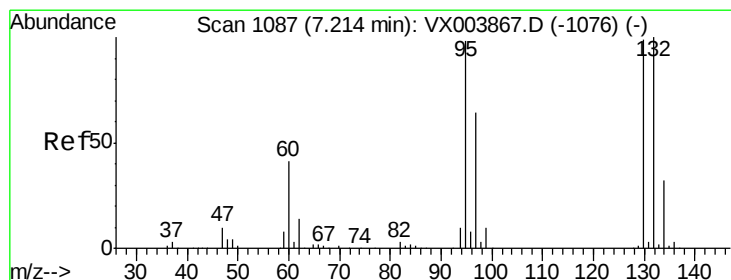
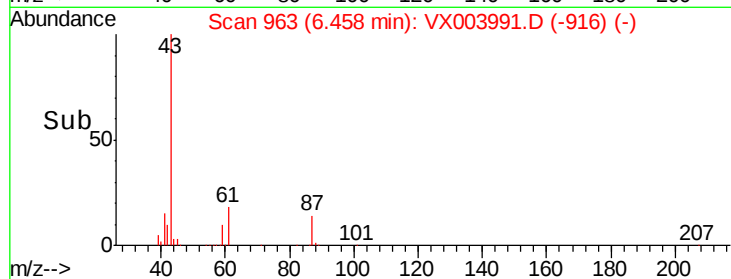
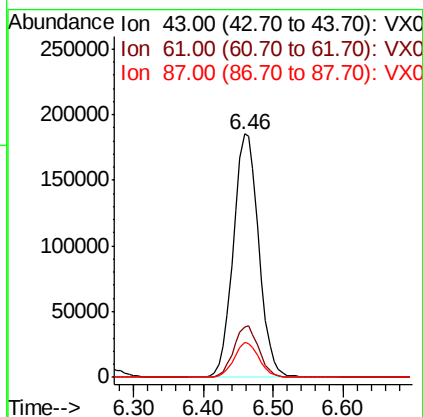
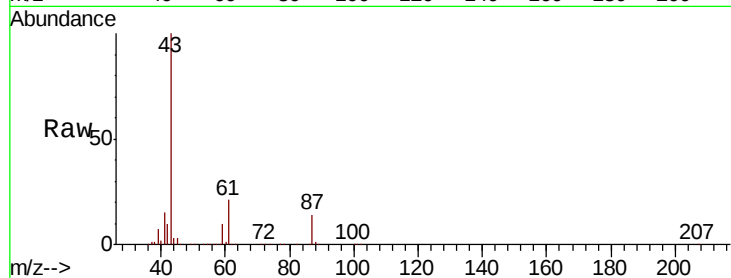


#43

Isopropyl Acetate
 Concen: 52.49 ug/l
 RT: 6.46 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

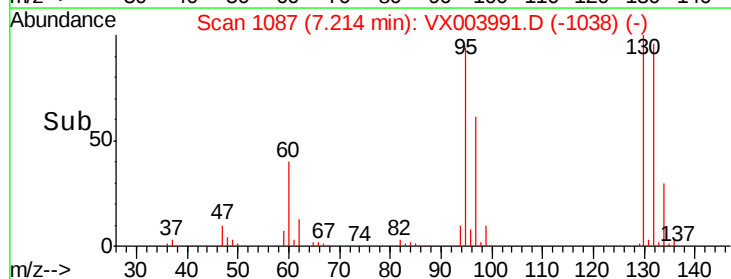
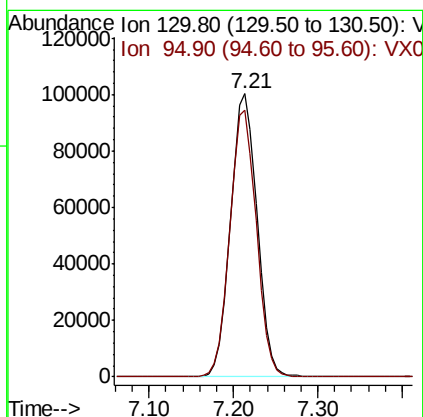
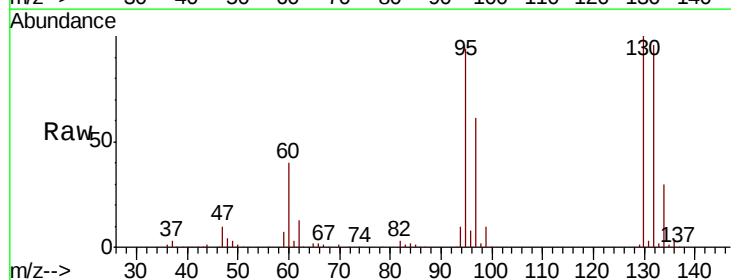
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.9	25.3
87	14.2	11.3	16.9

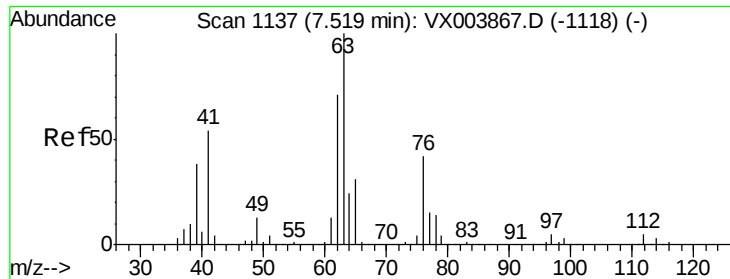


#44

Trichloroethene
 Concen: 48.62 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	199.4





#45

1,2-Dichloropropane

Concen: 50.97 ug/l

RT: 7.51 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

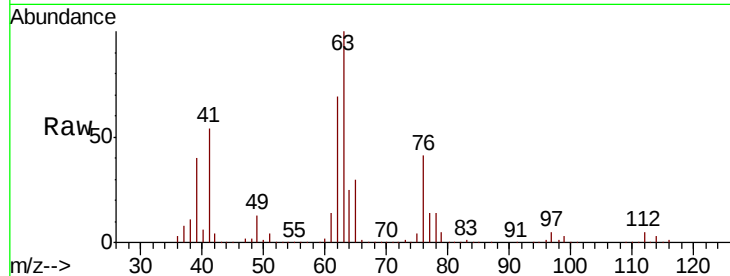
VSTDCCC050

Tot Ion: 63 Resp: 211772

Ion Ratio Lower Upper

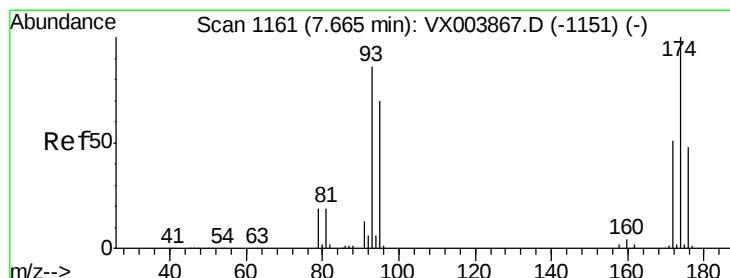
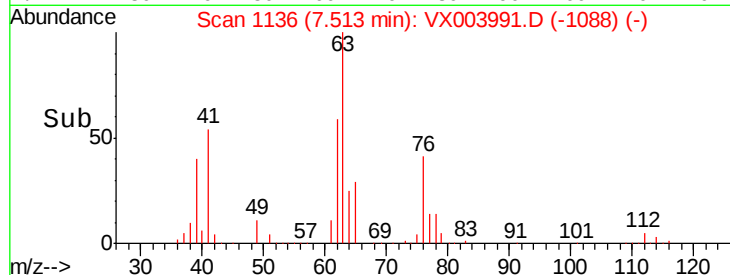
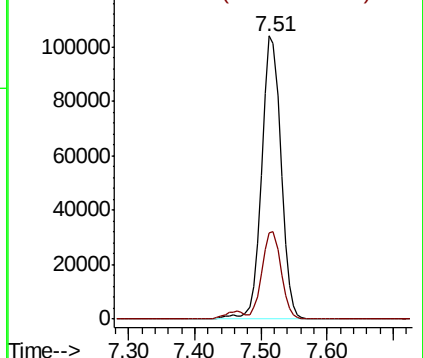
63 100

65 30.4 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.32 ug/l

RT: 7.66 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

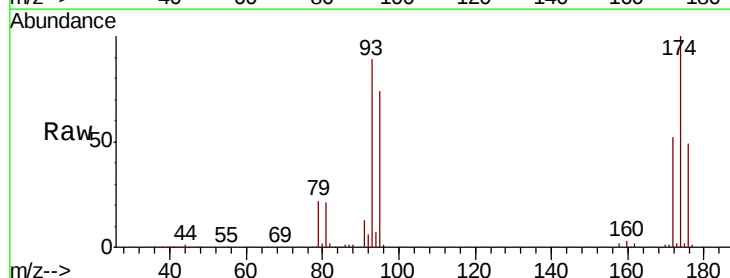
Tgt Ion: 93 Resp: 138429

Ion Ratio Lower Upper

93 100

95 82.9 66.4 99.6

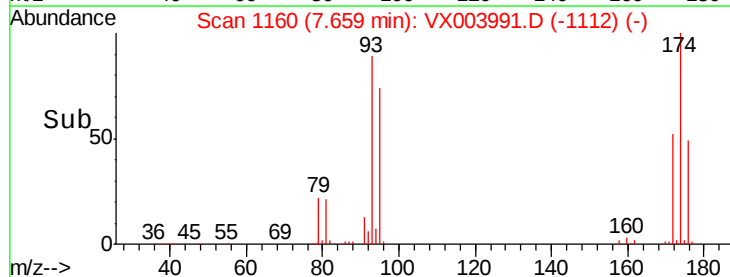
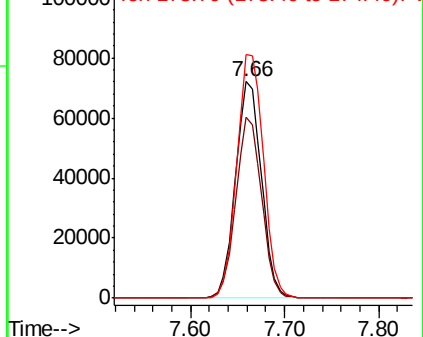
174 115.9 94.3 141.5

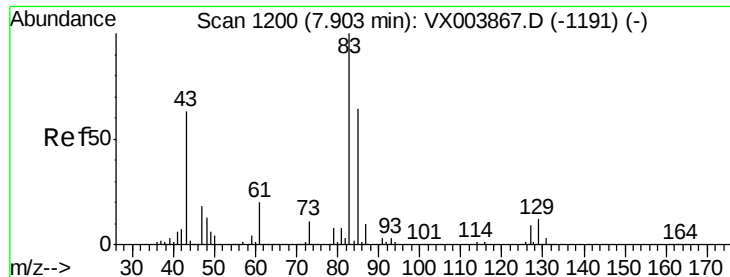


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.34 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

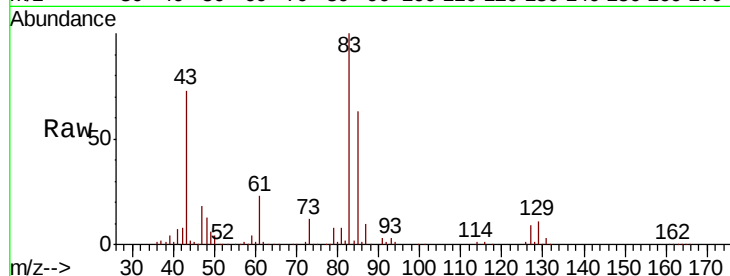
Tot Ion: 83 Resp: 271023

Ion Ratio Lower Upper

83 100

85 63.4 51.2 76.8

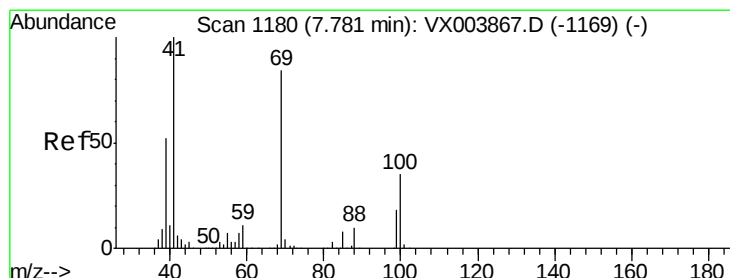
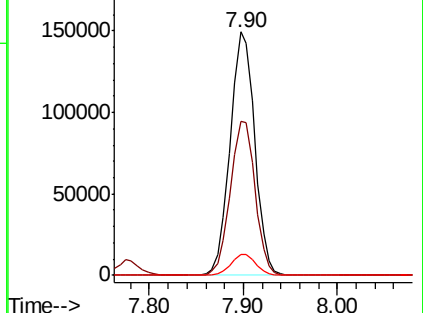
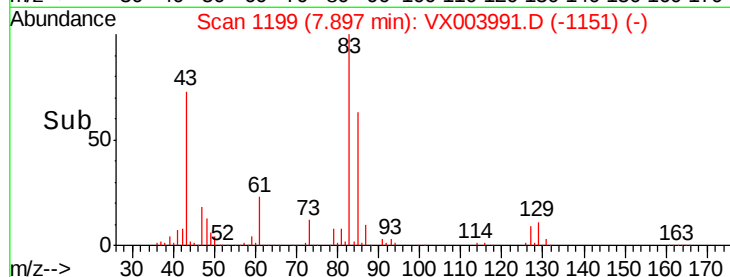
127 8.7 7.2 10.8



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: 53.43 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

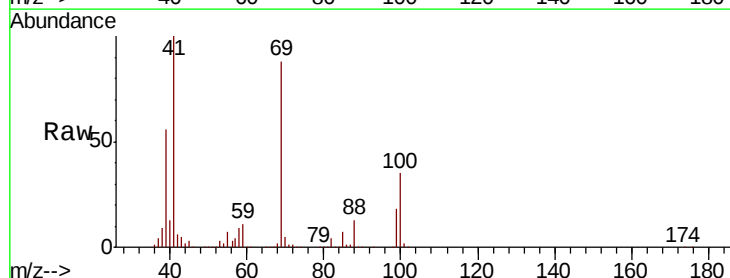
Tgt Ion: 41 Resp: 240896

Ion Ratio Lower Upper

41 100

69 86.4 68.8 103.2

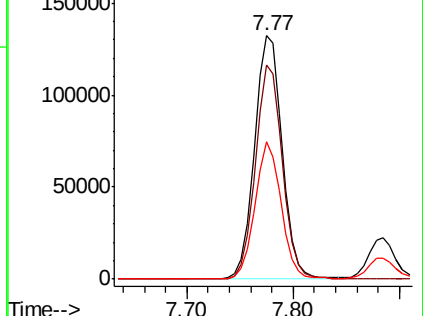
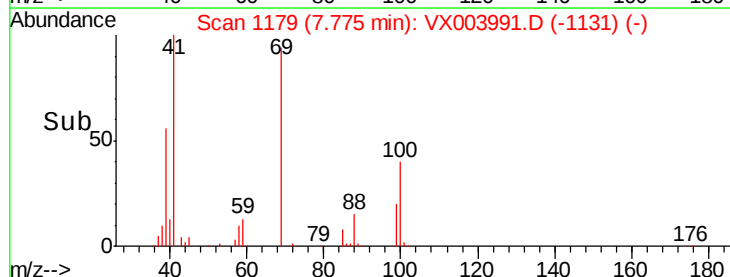
39 53.6 42.3 63.5

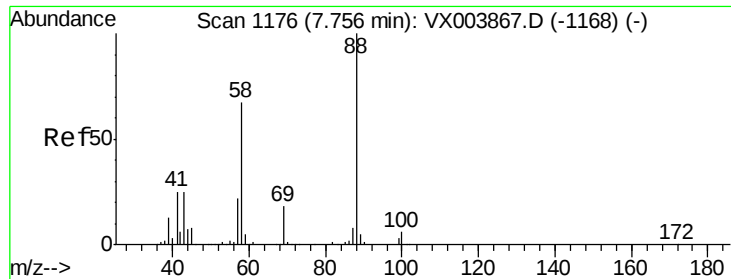


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

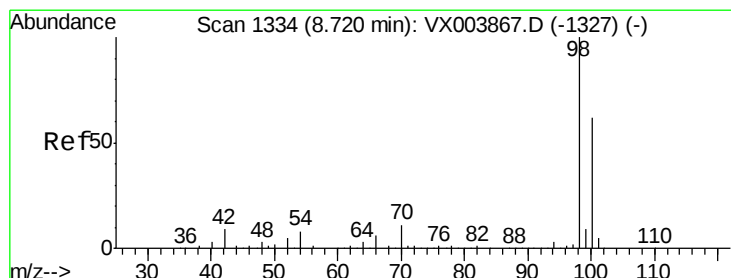
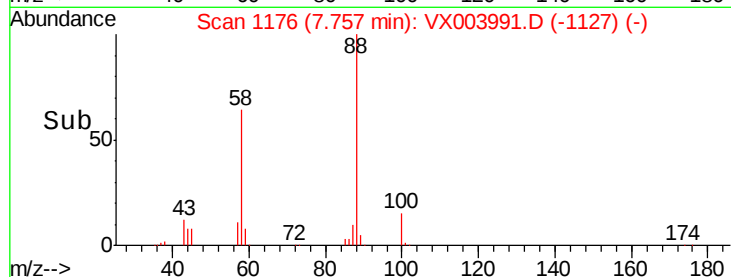
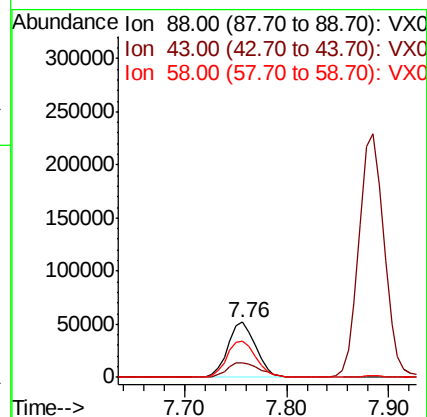
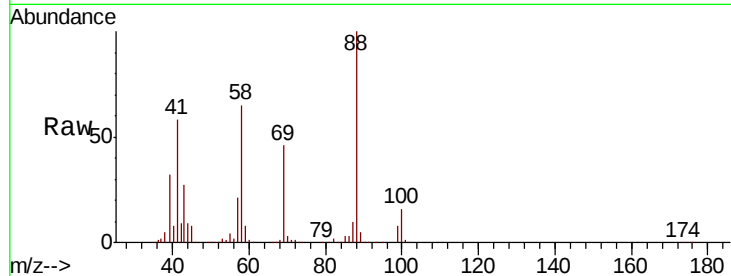




#49
 1,4-Dioxane
 Concen: 935.55 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

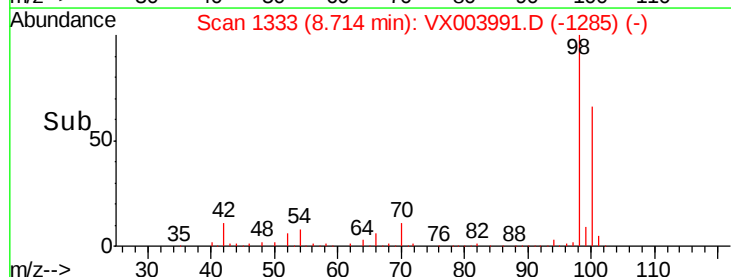
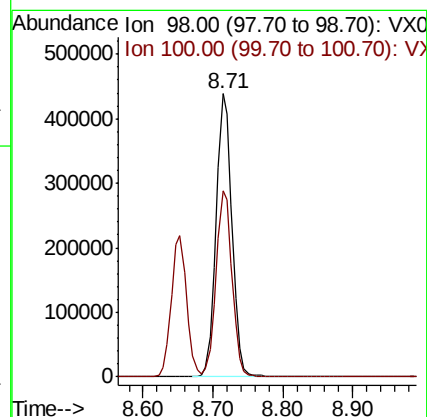
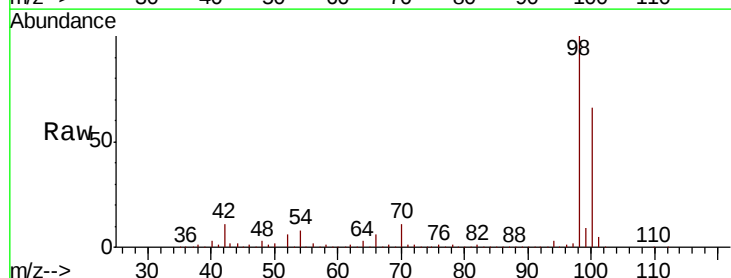
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

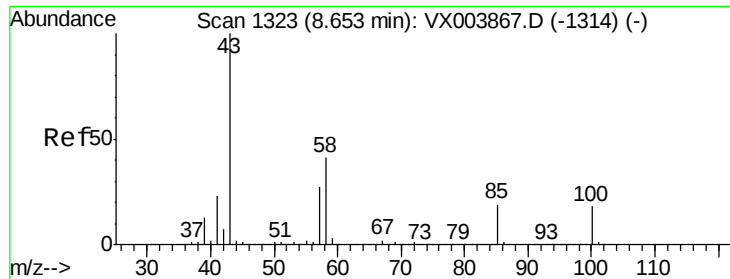
Tot Ion: 88 Resp: 99359
 Ion Ratio Lower Upper
 88 100
 43 31.3 23.8 35.8
 58 69.1 55.4 83.0



#50
 Toluene-d8
 Concen: 48.90 ug/l
 RT: 8.71 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

Tgt Ion: 98 Resp: 689180
 Ion Ratio Lower Upper
 98 100
 100 66.5 53.3 79.9

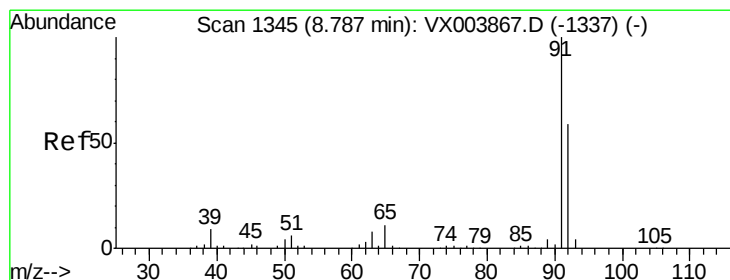
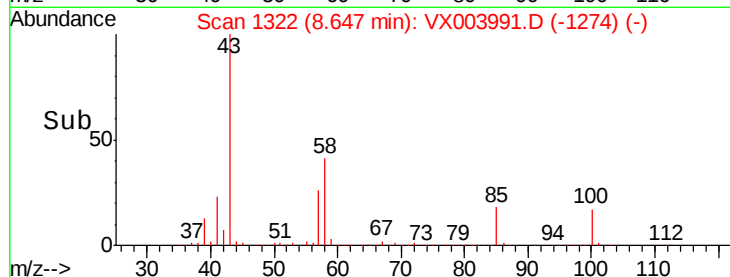
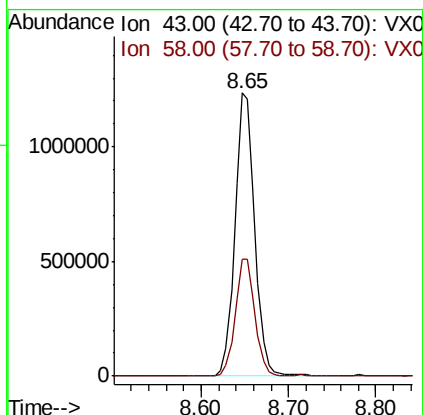
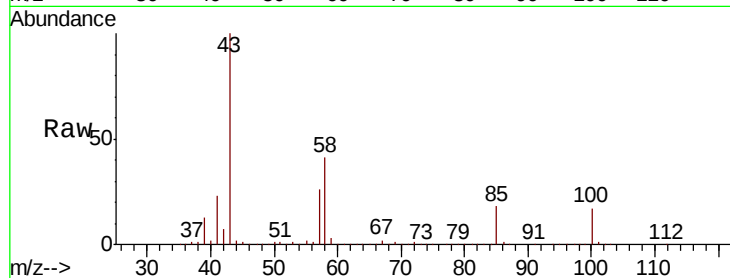




#51
 4-Methyl-2-Pentanone
 Concen: 264.65 ug/l
 RT: 8.65 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

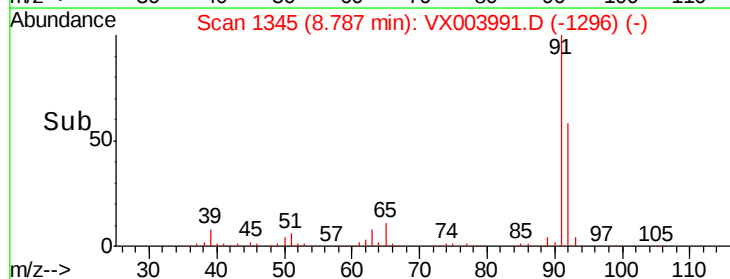
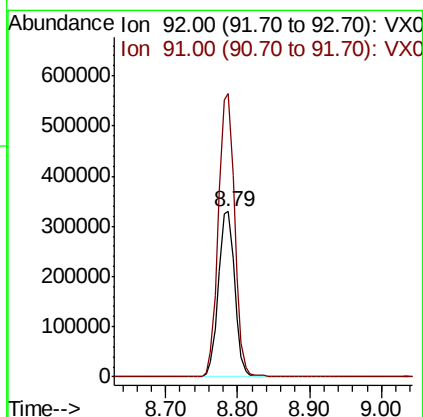
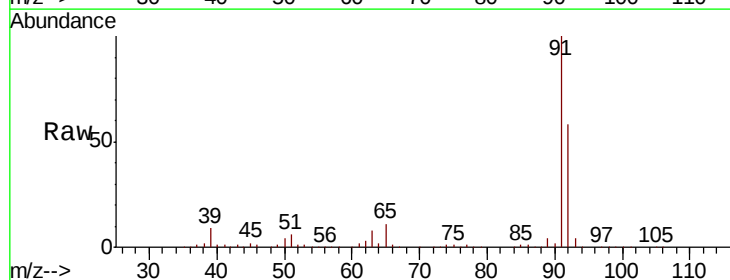
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1945528
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.0 49.6



#52
 Toluene
 Concen: 50.81 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

Tgt Ion: 92 Resp: 516474
 Ion Ratio Lower Upper
 92 100
 91 171.3 136.1 204.1

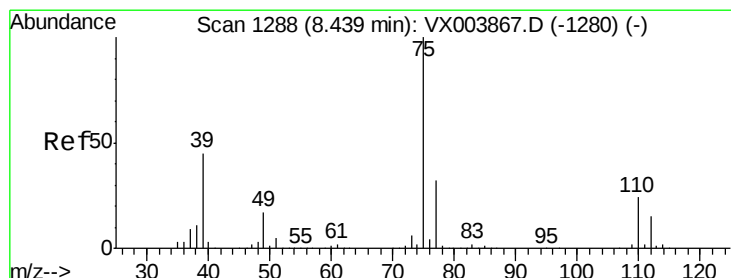
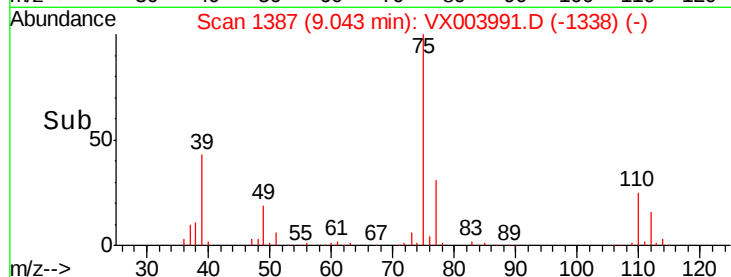
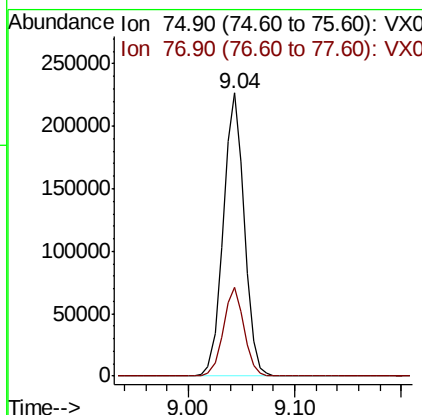
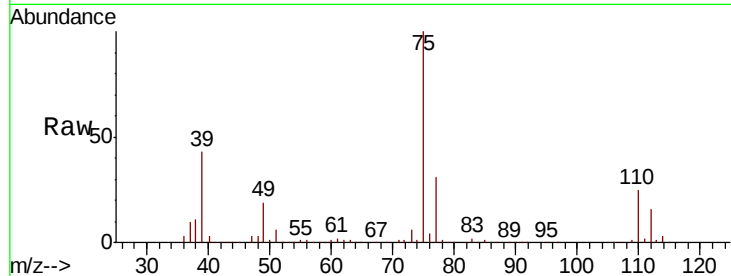




#53
t-1,3-Dichloropropene
Concen: 54.42 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

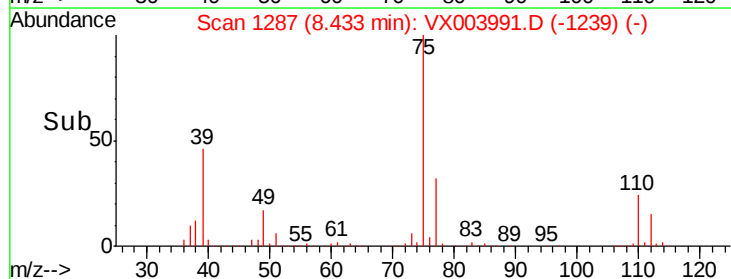
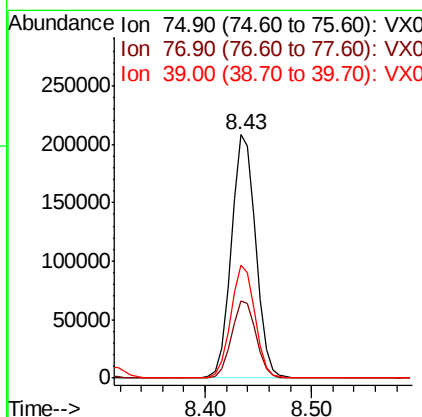
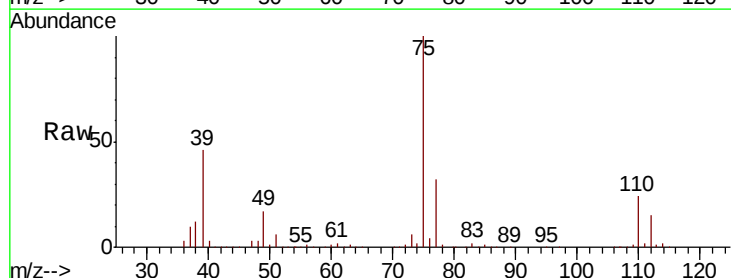
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

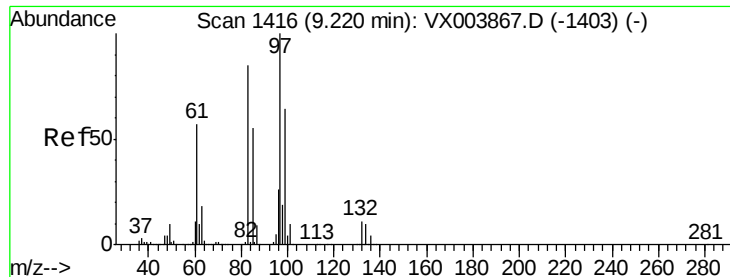
Tot Ion: 75 Resp: 312538
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 54.01 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Tgt Ion: 75 Resp: 334446
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9
39 46.4 36.2 54.2

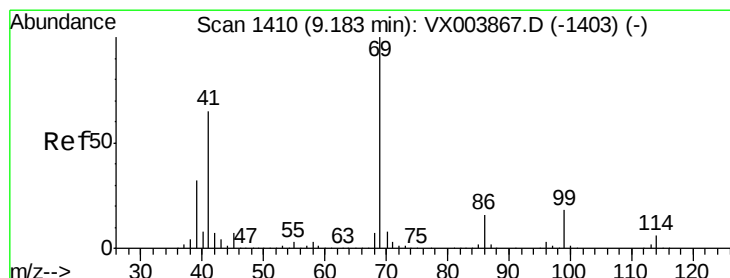
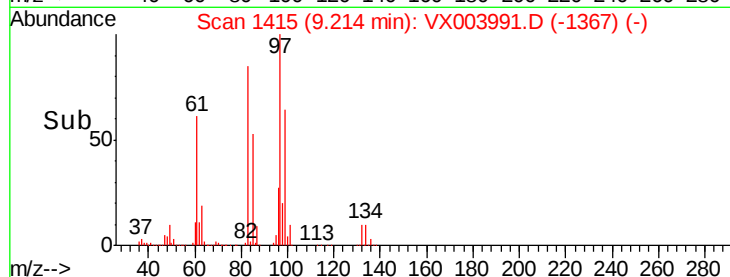
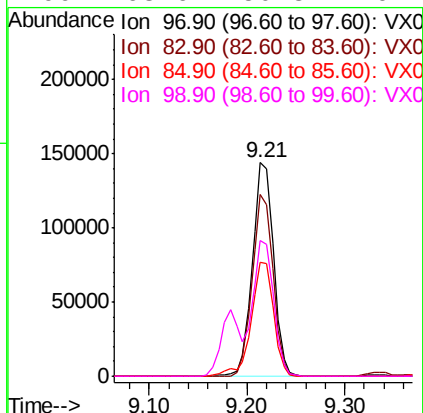
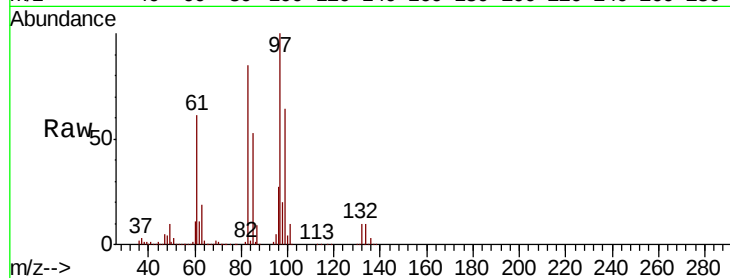




#55
 1,1,2-Trichloroethane
 Concen: 52.18 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

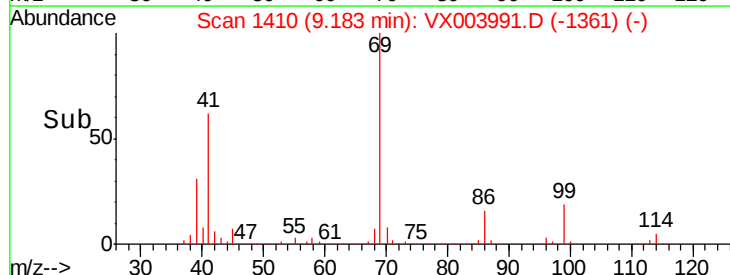
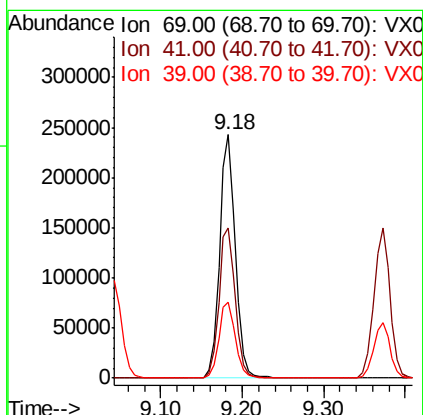
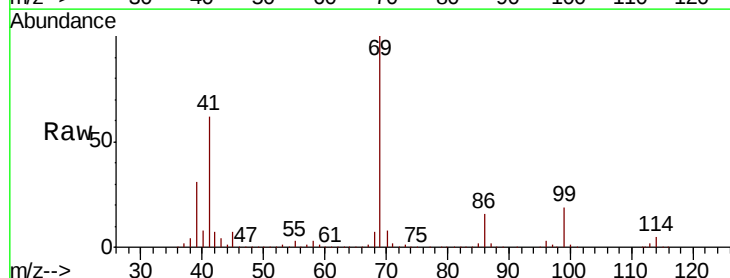
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

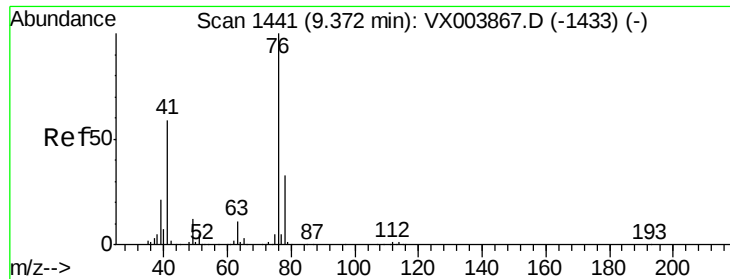
Tot Ion:	97	Resp:	216772
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.8	101.6
85	53.3	44.2	66.2
99	63.6	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 54.36 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

Tgt Ion:	69	Resp:	327598
Ion	Ratio	Lower	Upper
69	100		
41	64.0	50.6	76.0
39	32.7	25.8	38.6





#57

1,3-Dichloropropane

Concen: 52.43 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

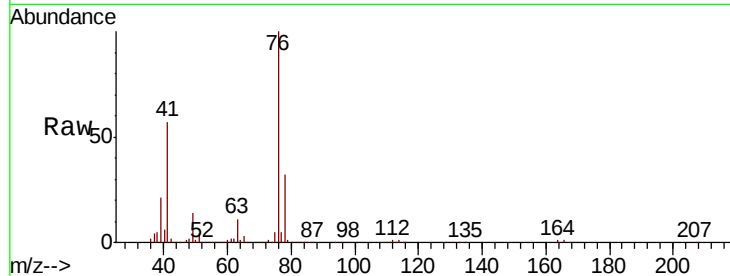
VSTDCCC050

Tot Ion: 76 Resp: 364473

Ion Ratio Lower Upper

76 100

78 32.0 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

250000

200000

150000

100000

50000

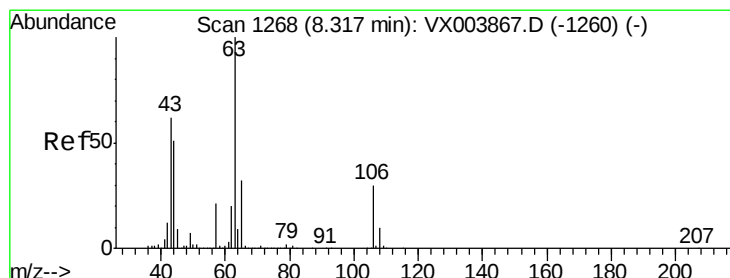
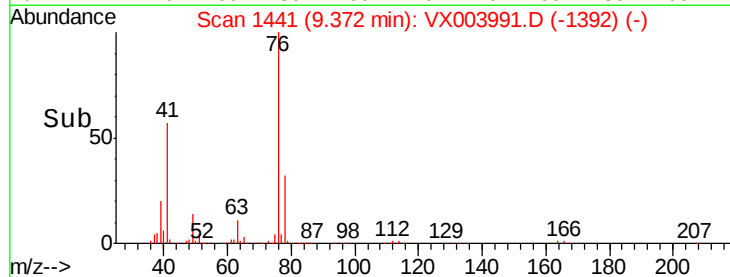
0

Time-->

9.30

9.40

9.50



#58

2-Chloroethyl Vinyl ether

Concen: 256.99 ug/l

RT: 8.31 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VX003991.D

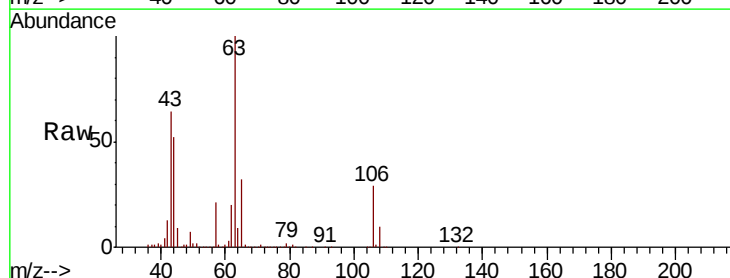
Acq: 13 Aug 2018 10:56

Tgt Ion: 63 Resp: 761609

Ion Ratio Lower Upper

63 100

106 29.7 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

500000

400000

300000

200000

100000

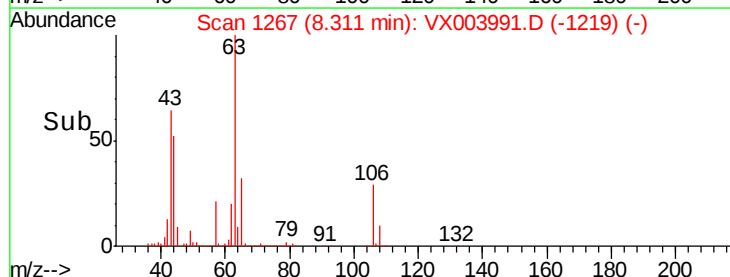
0

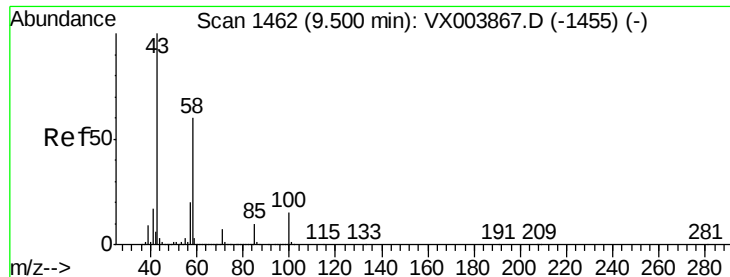
Time-->

8.20

8.30

8.40

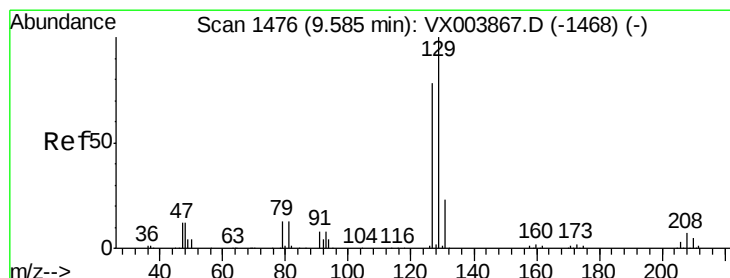
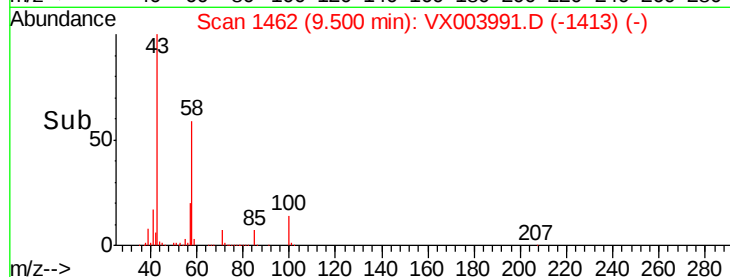
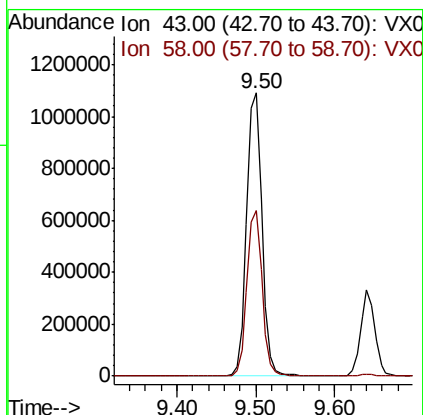
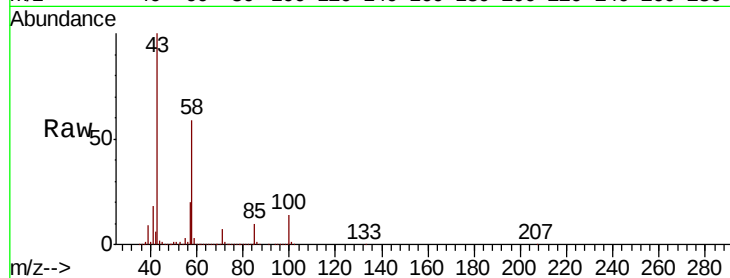




#59
2-Hexanone
Concen: 268.86 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

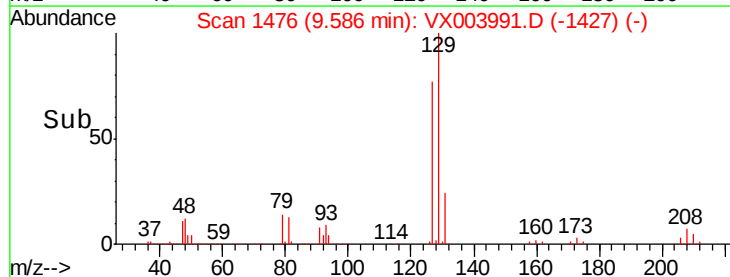
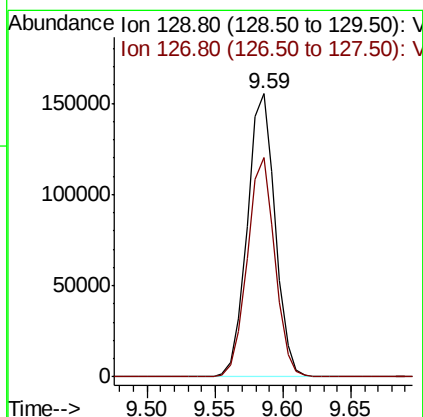
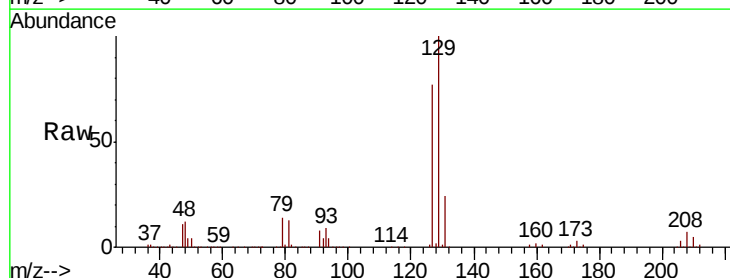
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

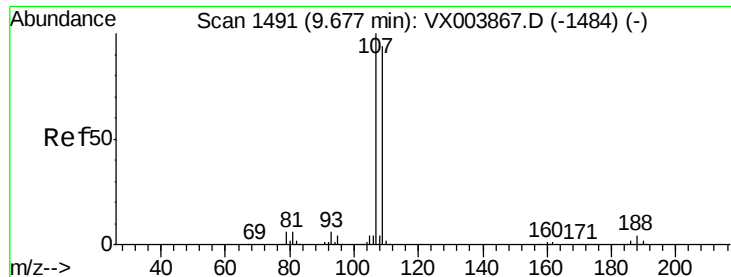
Tot Ion: 43 Resp: 1477422
Ion Ratio Lower Upper
43 100
58 57.9 29.0 87.0



#60
Dibromochloromethane
Concen: 57.51 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Tgt Ion: 129 Resp: 222748
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 54.49 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

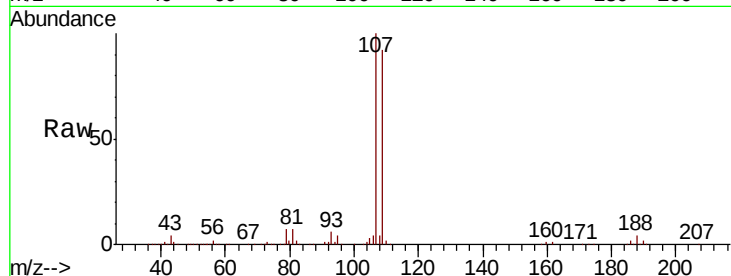
VSTDCCC050

Tot Ion:107 Resp: 226607

Ion Ratio Lower Upper

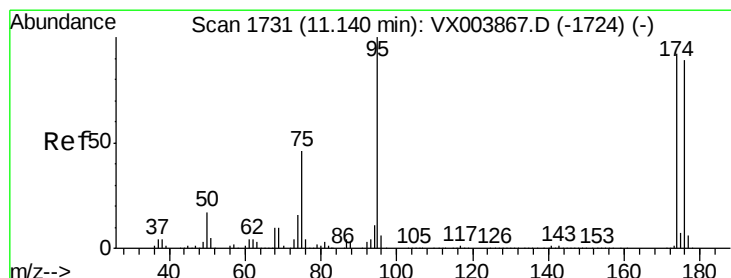
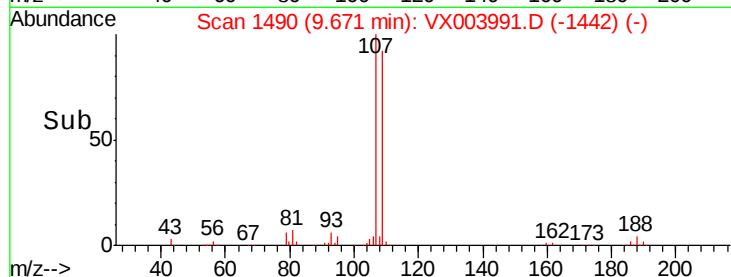
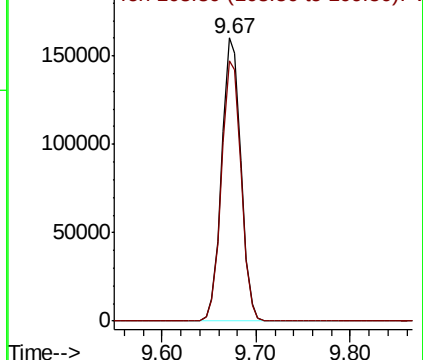
107 100

109 94.0 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: 56.61 ug/l

RT: 11.13 min Scan# 1730

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

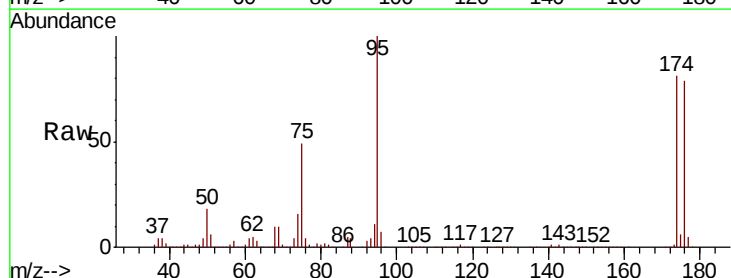
Tgt Ion: 95 Resp: 258139

Ion Ratio Lower Upper

95 100

174 90.5 0.0 182.8

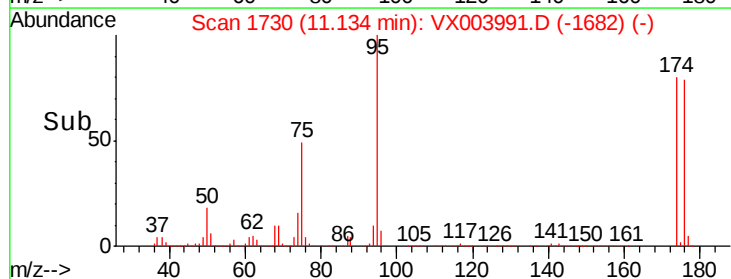
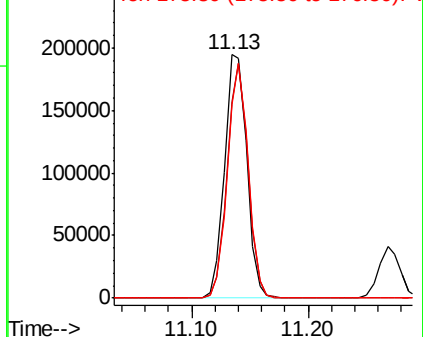
176 90.1 0.0 179.0

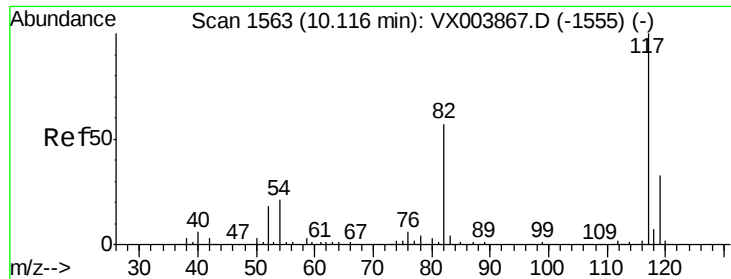


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

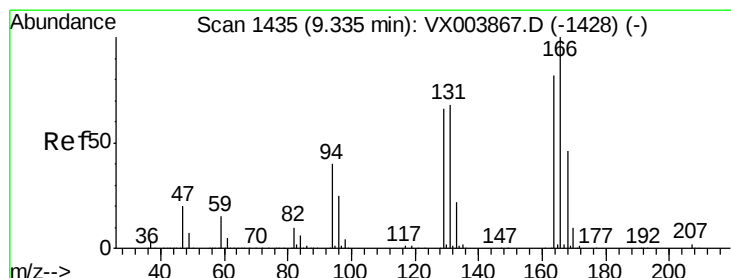
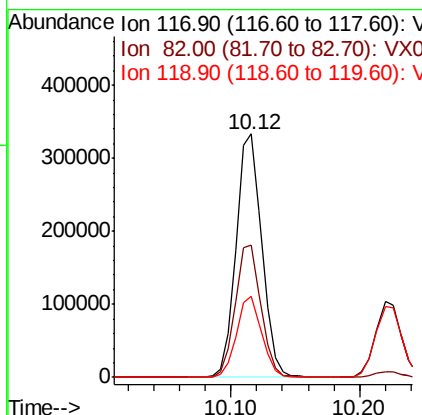
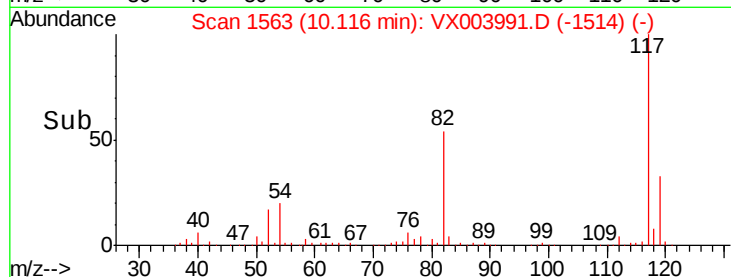
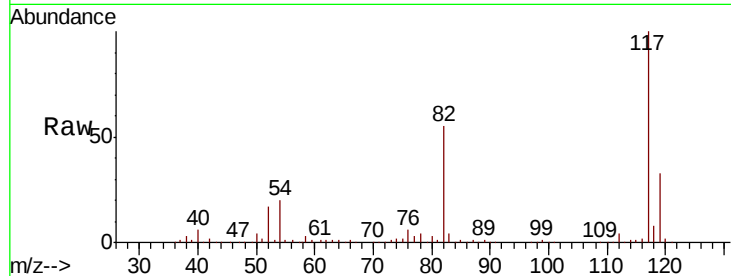




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

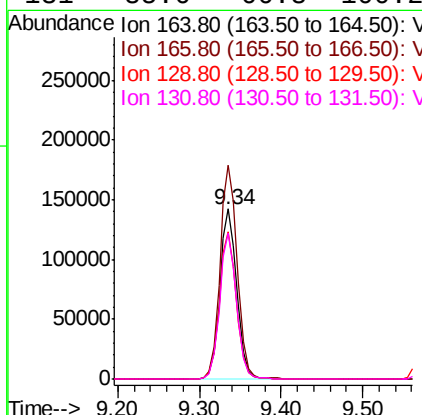
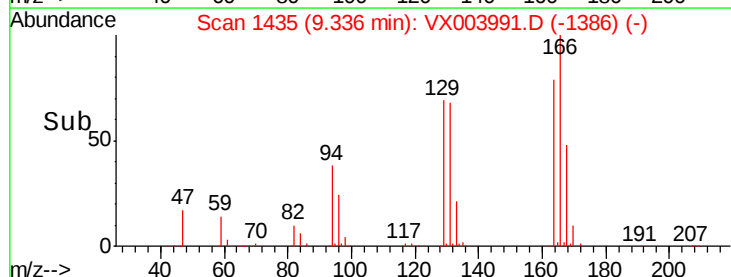
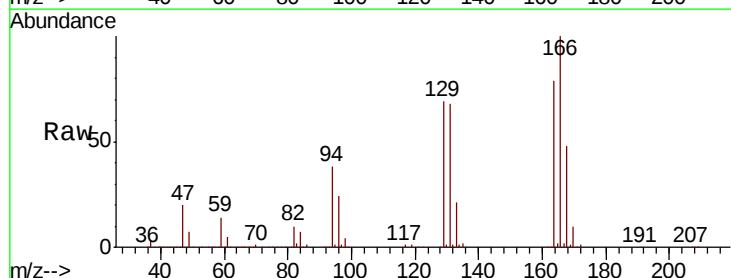
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

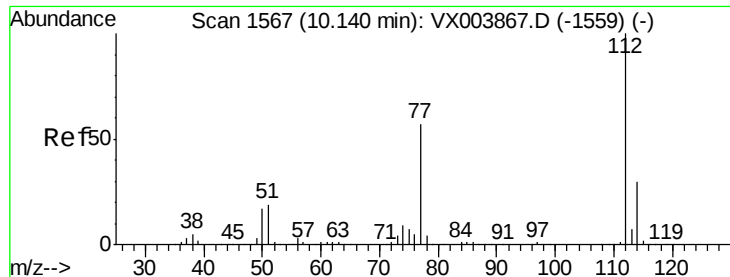
Tot Ion:117 Resp: 462689
Ion Ratio Lower Upper
117 100
82 54.5 45.4 68.0
119 33.4 26.6 40.0



#64
Tetrachloroethene
Concen: 44.93 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Tgt Ion:164 Resp: 204524
Ion Ratio Lower Upper
164 100
166 125.8 98.0 147.0
129 86.7 64.3 96.5
131 85.6 66.8 100.2

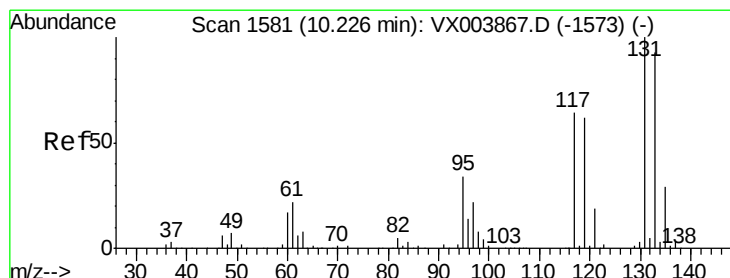
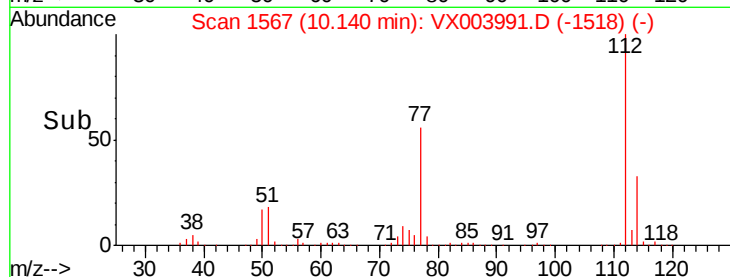
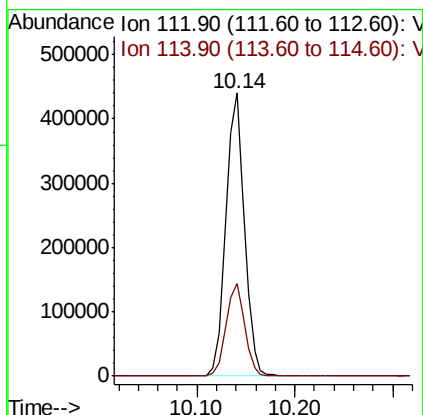
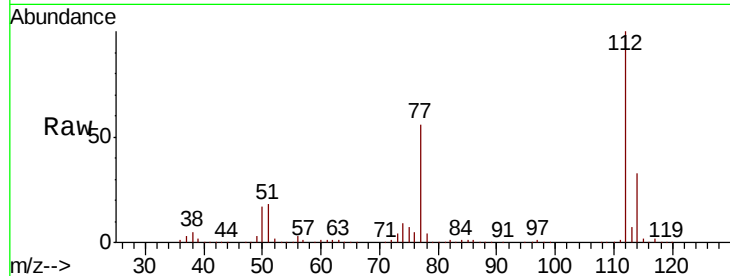




#65
Chlorobenzene
Concen: 48.27 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

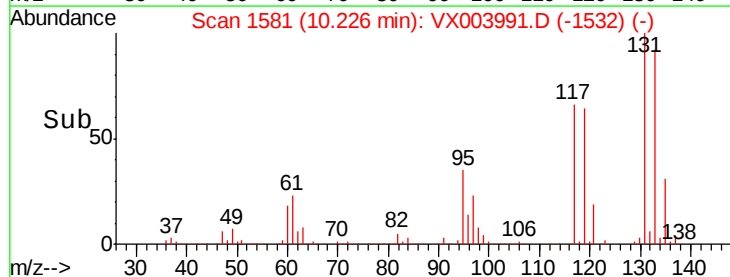
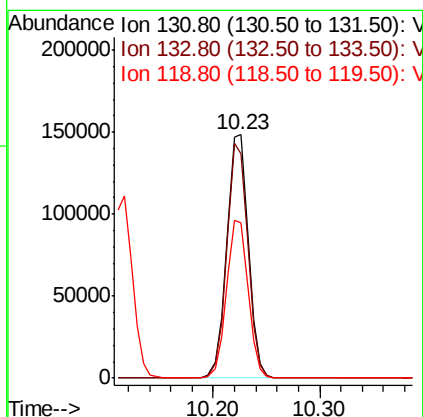
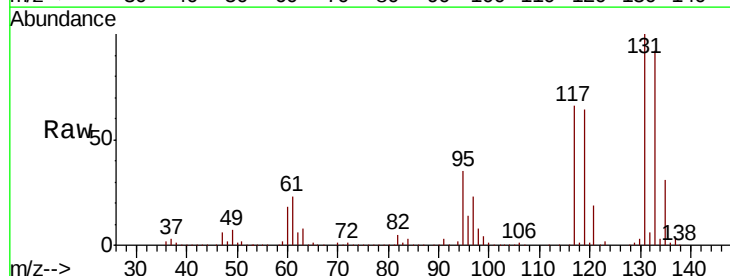
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

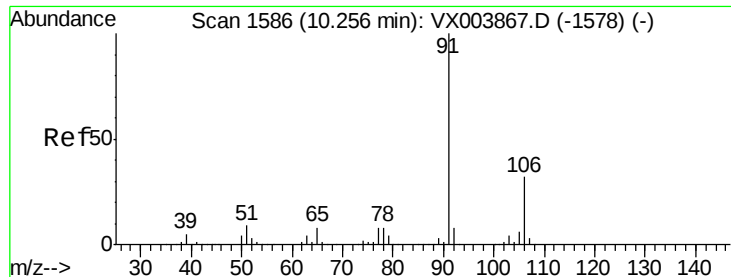
Tot Ion:112 Resp: 581188
Ion Ratio Lower Upper
112 100
114 32.8 23.6 35.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.17 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Tgt Ion:131 Resp: 211766
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.8
119 65.0 31.6 94.8





#67

Ethyl Benzene

Concen: 49.31 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampled :

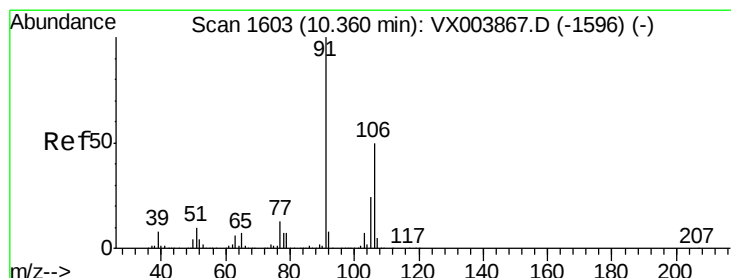
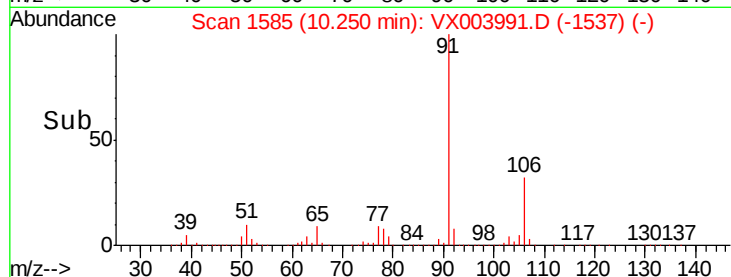
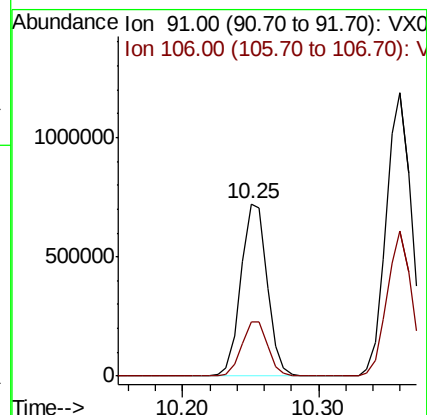
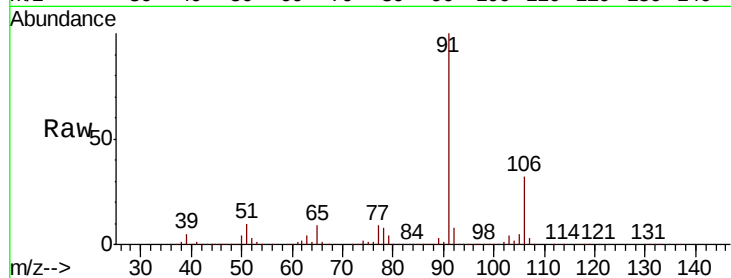
VSTDCCC050

Tot Ion: 91 Resp: 971737

Ion Ratio Lower Upper

91 100

106 31.7 25.9 38.9



#68

m/p-Xylenes

Concen: 100.24 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003991.D

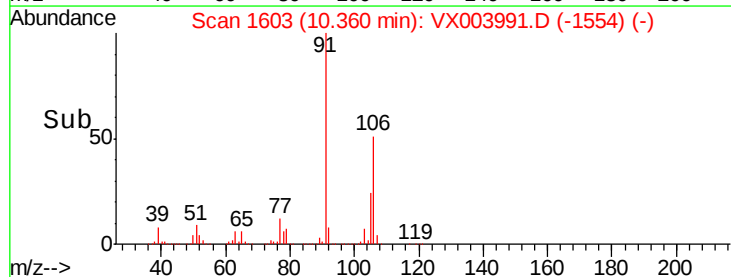
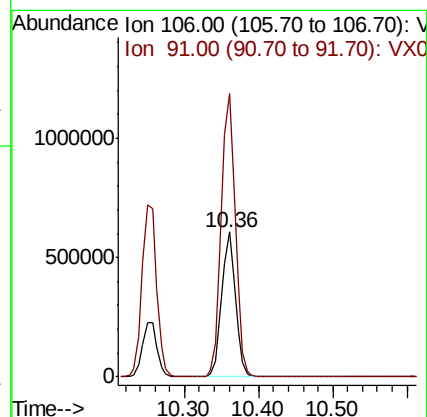
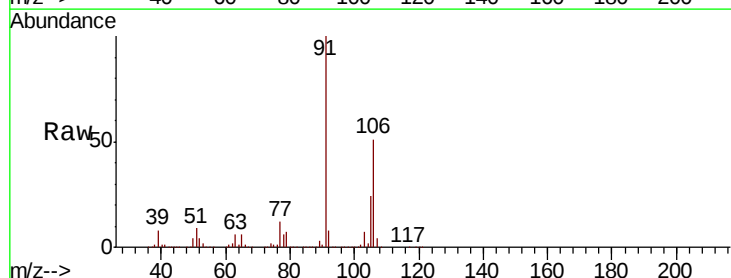
Acq: 13 Aug 2018 10:56

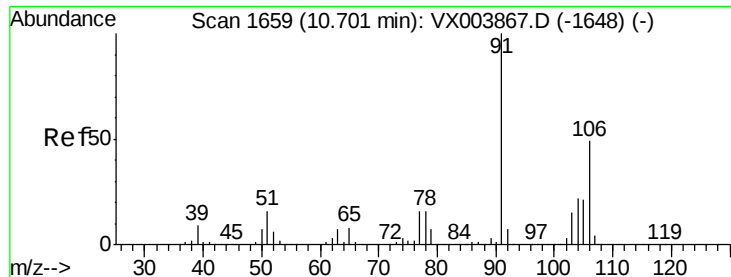
Tgt Ion: 106 Resp: 771944

Ion Ratio Lower Upper

106 100

91 200.4 162.3 243.5

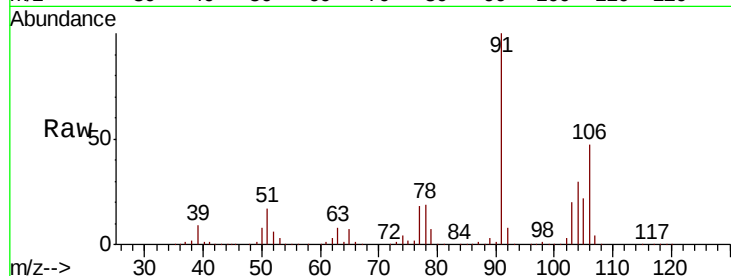




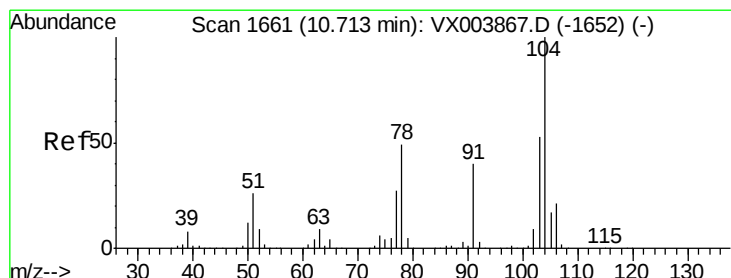
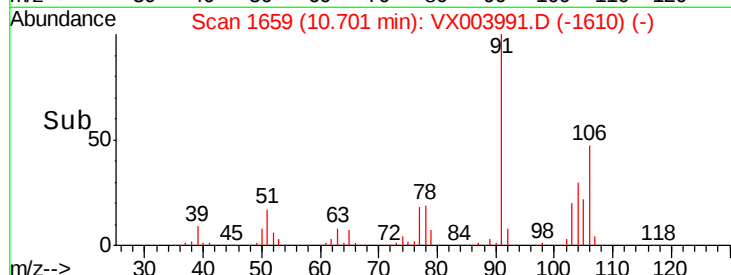
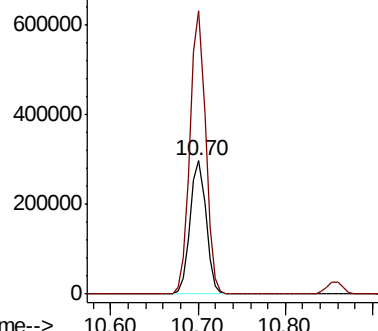
#69
o-Xylene
Concen: 51.66 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 375523
Ion Ratio Lower Upper
106 100
91 208.0 101.9 305.7

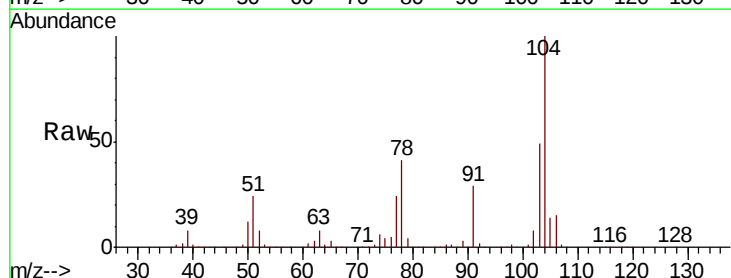


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

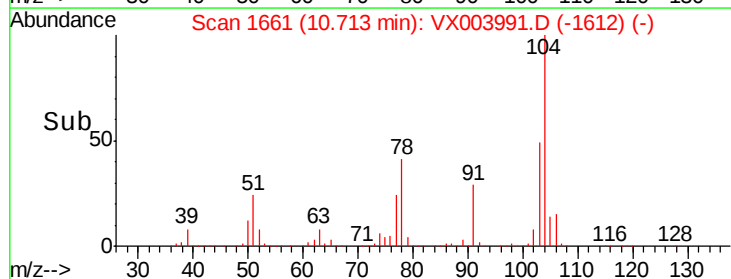
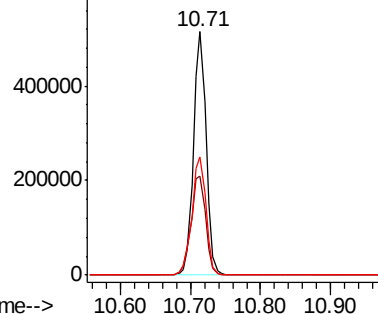


#70
Styrene
Concen: 54.50 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Tgt Ion:104 Resp: 648708
Ion Ratio Lower Upper
104 100
78 47.1 39.8 59.6
103 53.9 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: 54.91 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

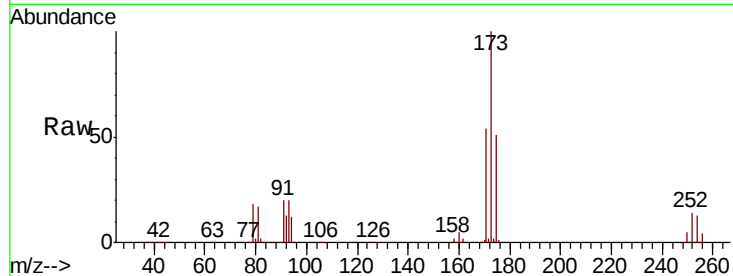
Tot Ion:173 Resp: 169938

Ion Ratio Lower Upper

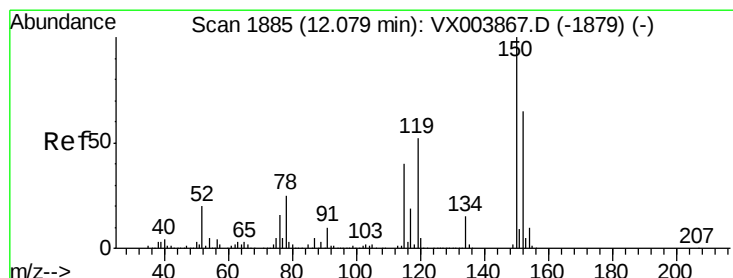
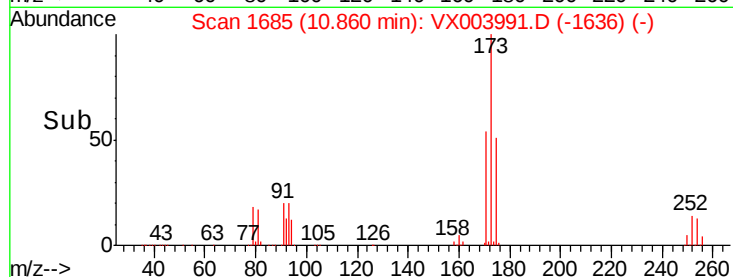
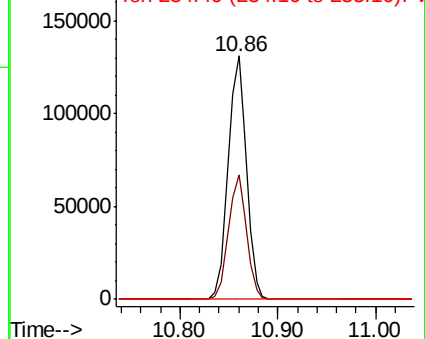
173 100

175 50.6 24.9 74.7

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

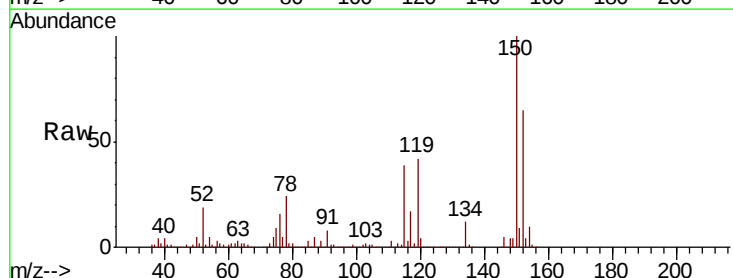
Tgt Ion:152 Resp: 289826

Ion Ratio Lower Upper

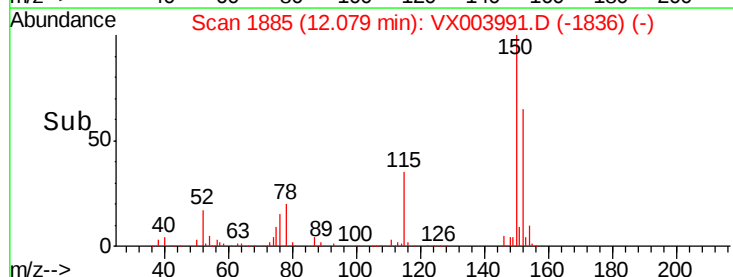
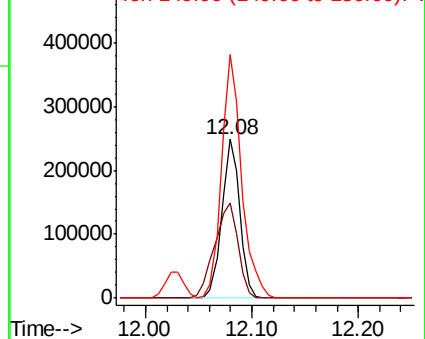
152 100

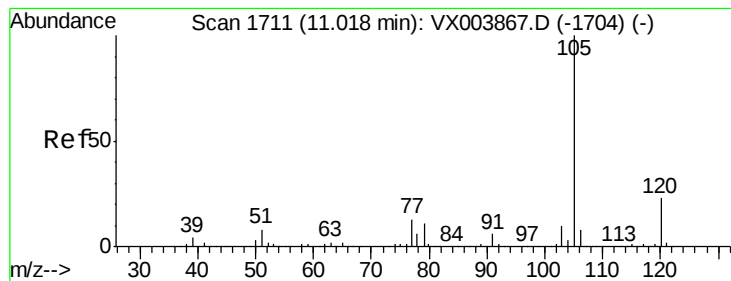
115 78.0 39.1 117.3

150 172.9 0.0 349.2



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





#73

Isopropylbenzene

Concen: 47.43 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

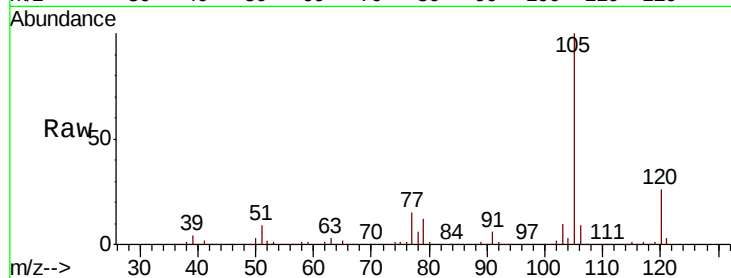
VSTDCCC050

Tot Ion:105 Resp: 1016935

Ion Ratio Lower Upper

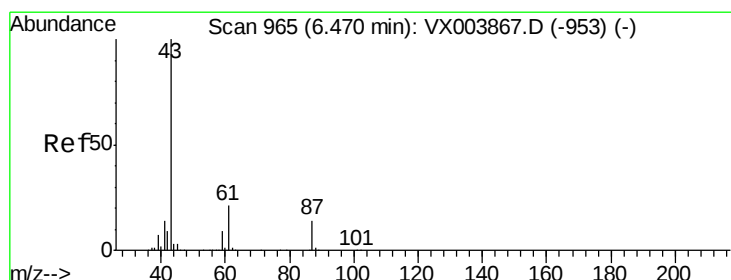
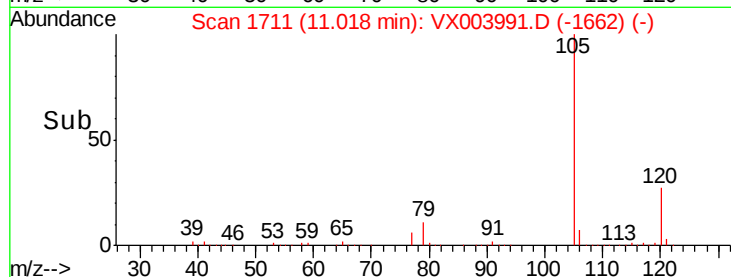
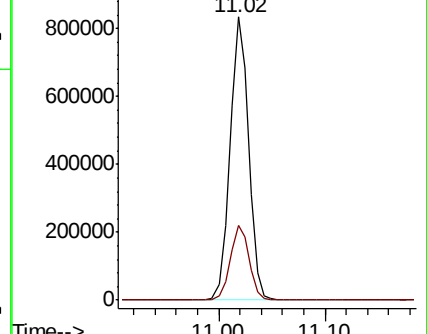
105 100

120 26.7 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 41.75 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Tgt Ion: 43 Resp: 465507

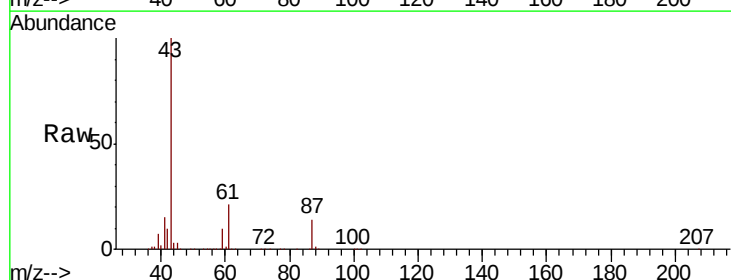
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 21.0 16.9 25.3

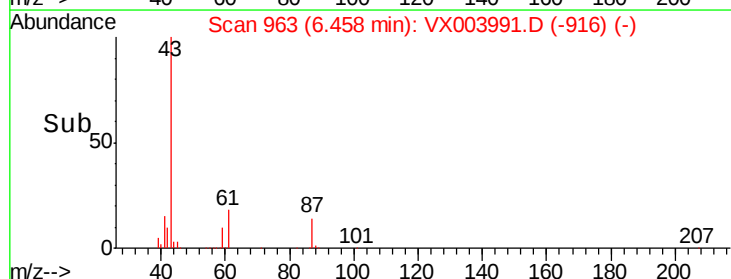
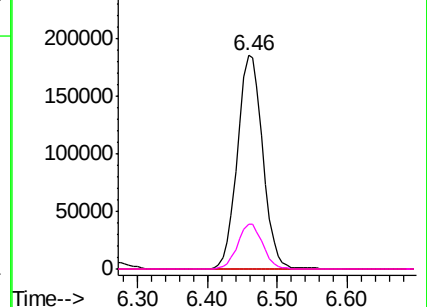


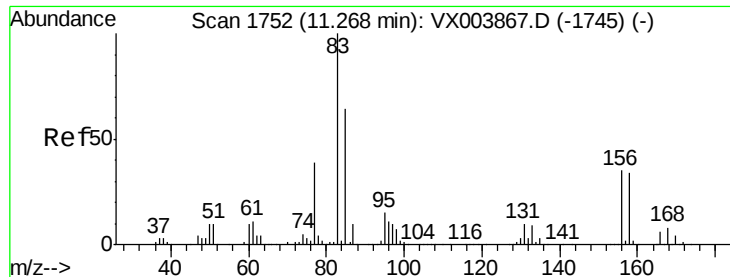
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.81 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

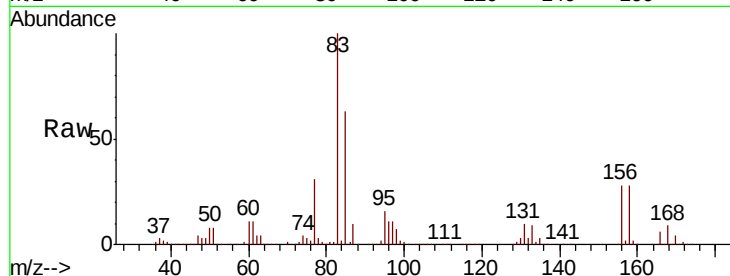
Tot Ion: 83 Resp: 343968

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

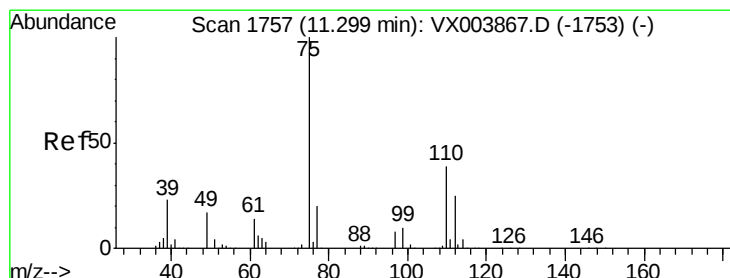
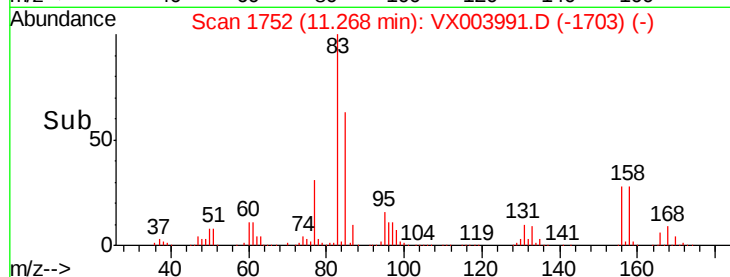
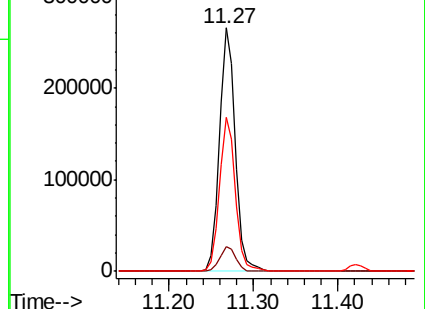
85 63.9 32.2 96.6



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: 61.10 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003991.D

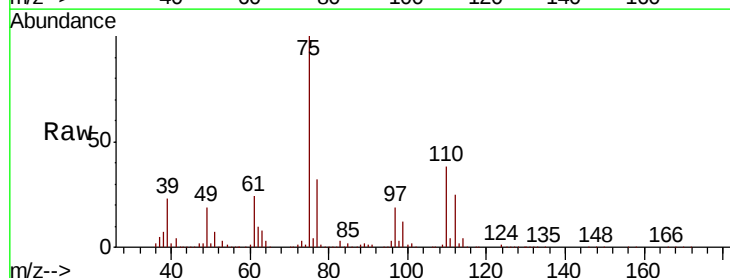
Acq: 13 Aug 2018 10:56

Tgt Ion: 75 Resp: 391116

Ion Ratio Lower Upper

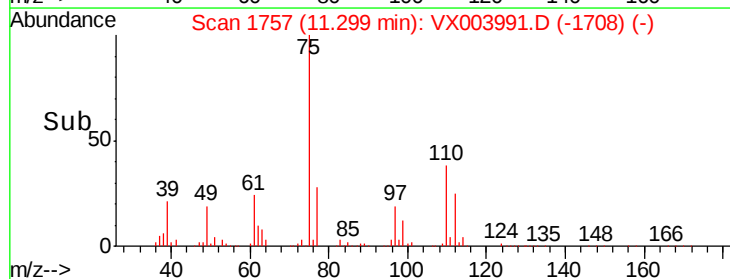
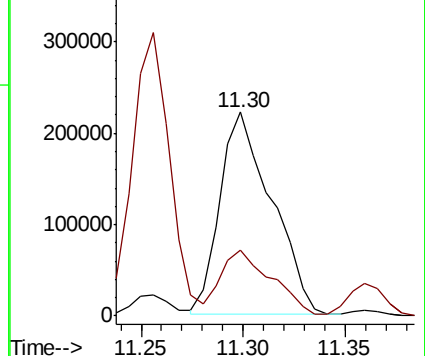
75 100

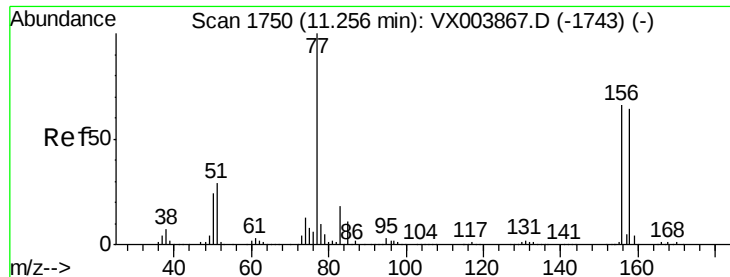
77 32.1 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.05 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

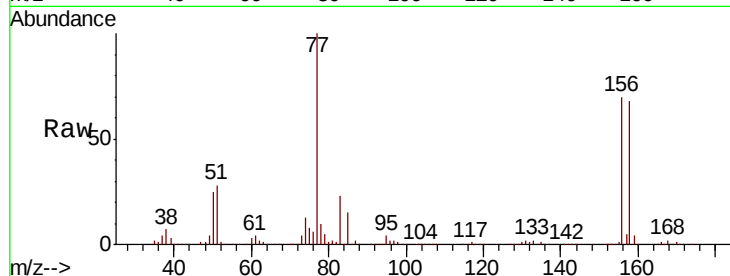
Tot Ion:156 Resp: 269107

Ion Ratio Lower Upper

156 100

77 148.1 74.1 222.2

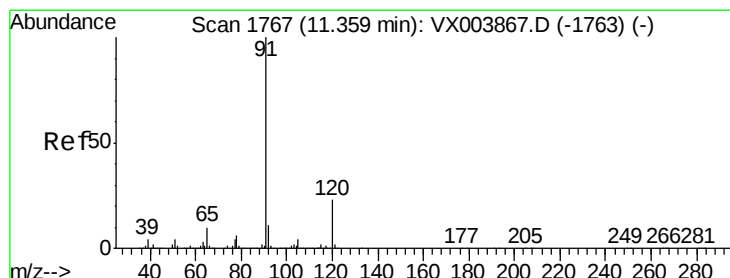
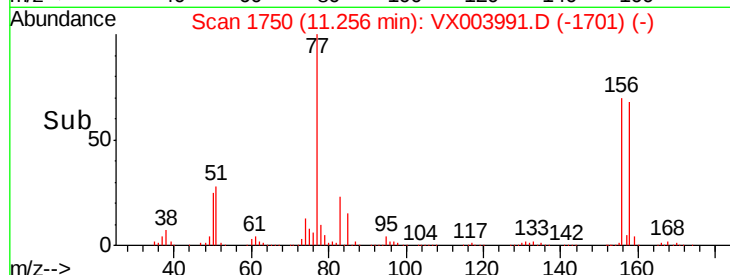
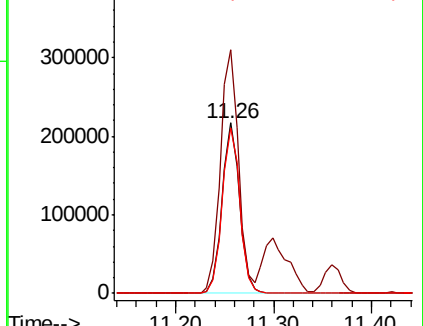
158 98.4 48.6 145.9



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: 48.50 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003991.D

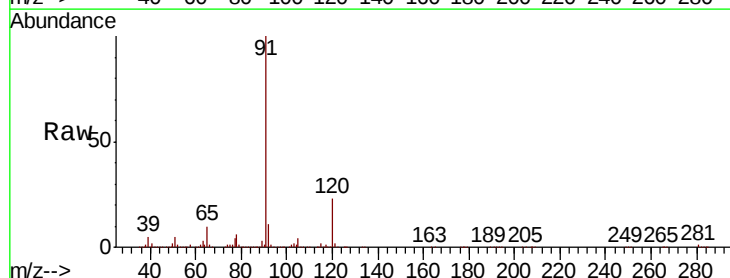
Acq: 13 Aug 2018 10:56

Tgt Ion: 91 Resp: 1167770

Ion Ratio Lower Upper

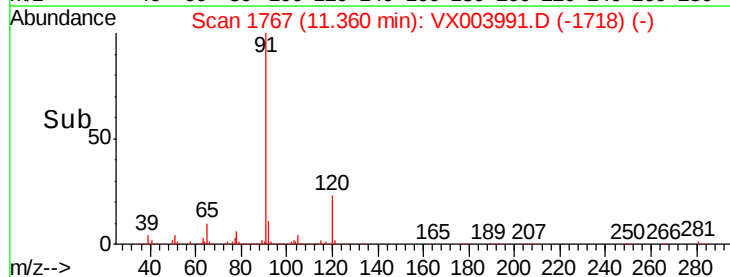
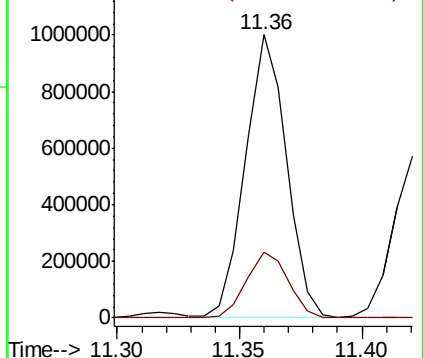
91 100

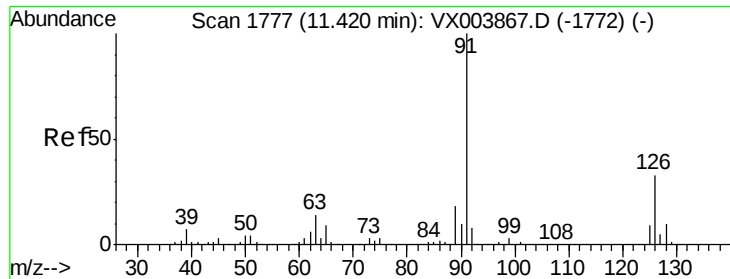
120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

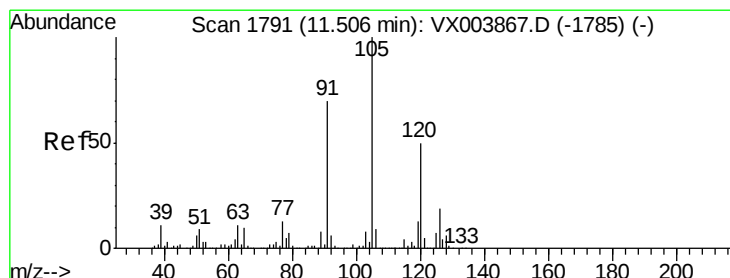
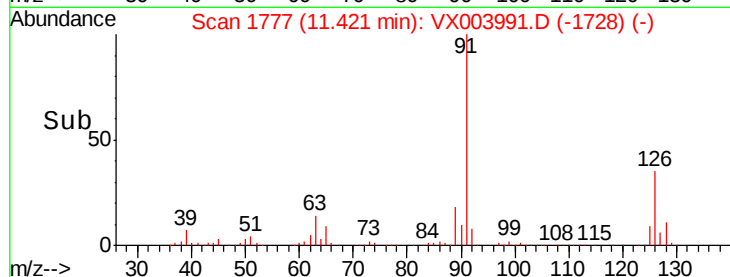
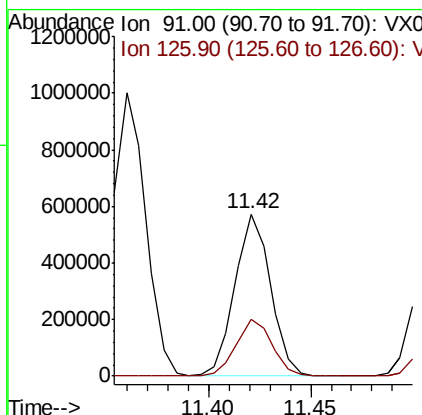
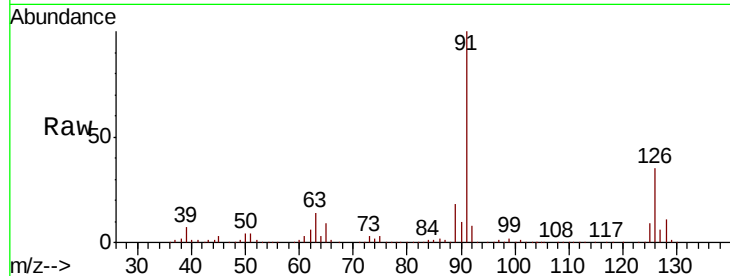




#79
 2-Chlorotoluene
 Concen: 47.20 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

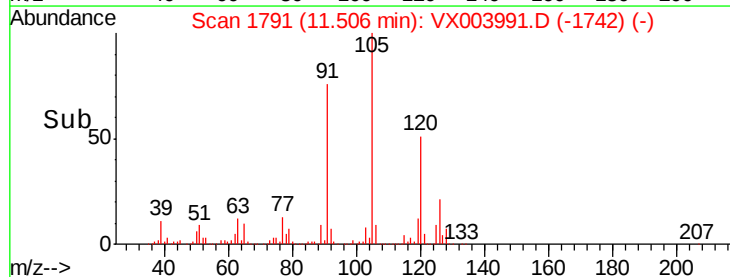
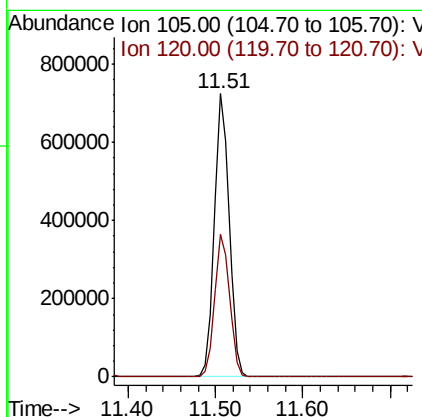
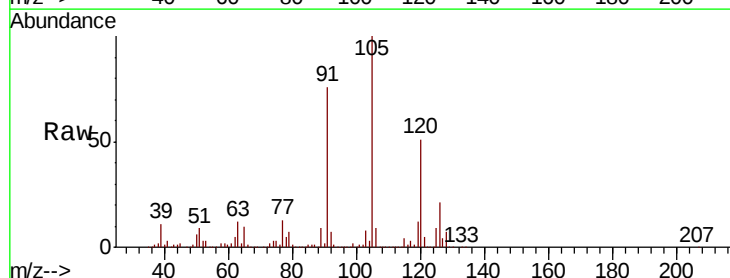
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

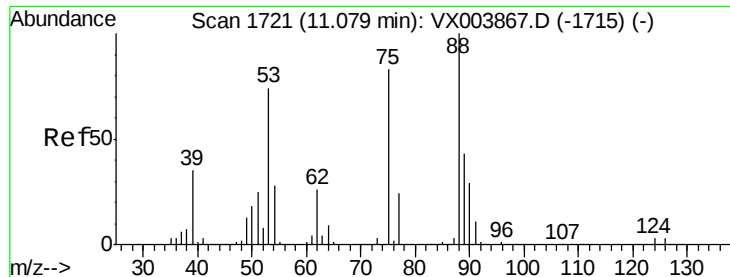
Tot Ion: 91 Resp: 692903
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 48.62 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

Tgt Ion:105 Resp: 849963
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.76 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

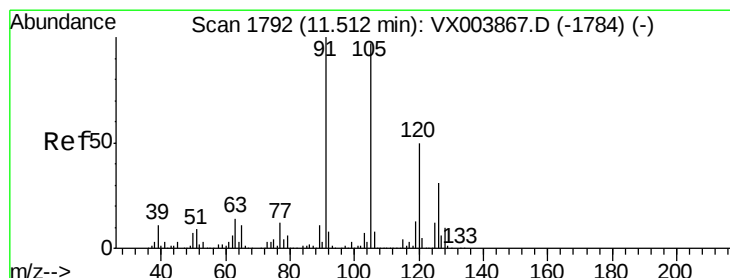
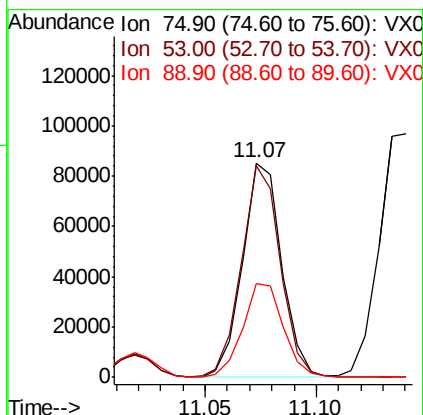
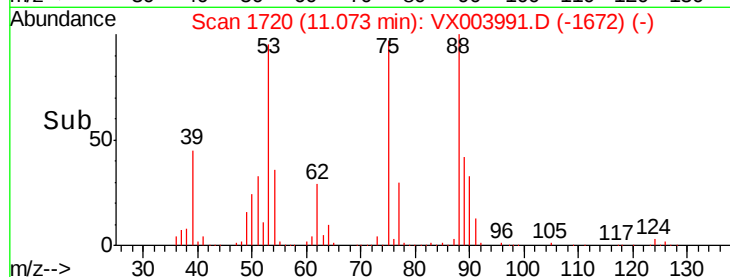
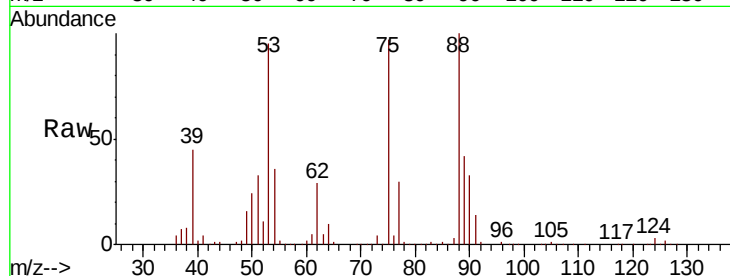
Tot Ion: 75 Resp: 104524

Ion Ratio Lower Upper

75 100

53 97.7 80.3 120.5

89 45.6 37.8 56.8



#82

4-Chlorotoluene

Concen: 46.02 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003991.D

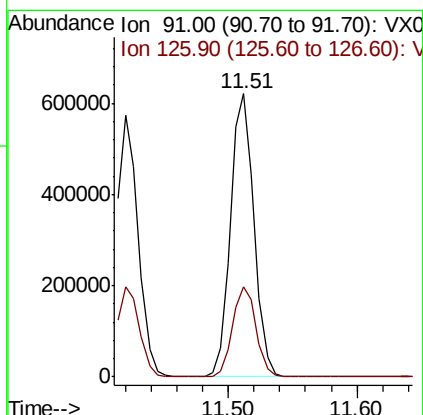
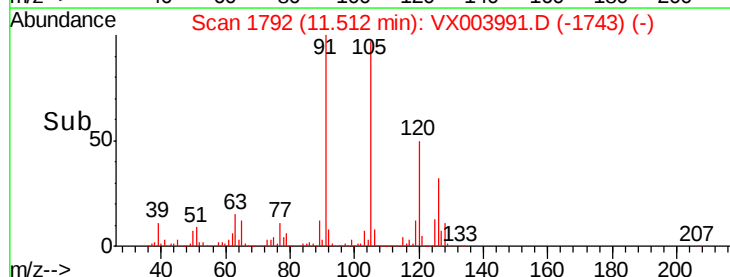
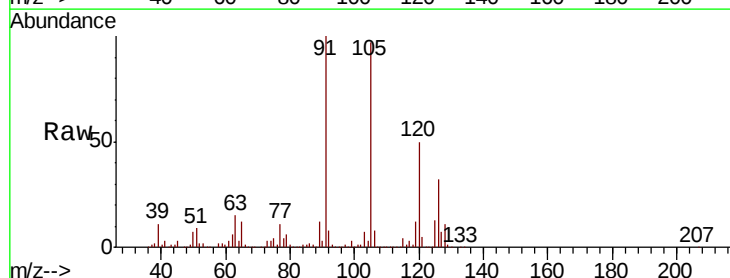
Acq: 13 Aug 2018 10:56

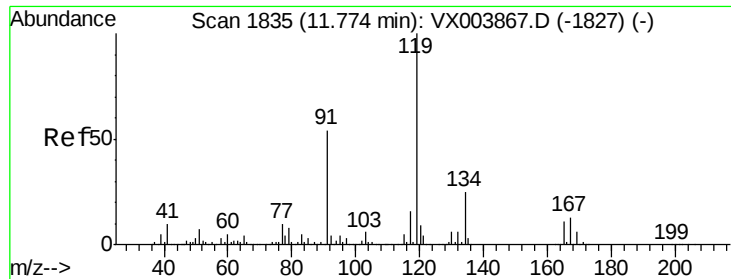
Tgt Ion: 91 Resp: 791495

Ion Ratio Lower Upper

91 100

126 31.9 15.6 46.7

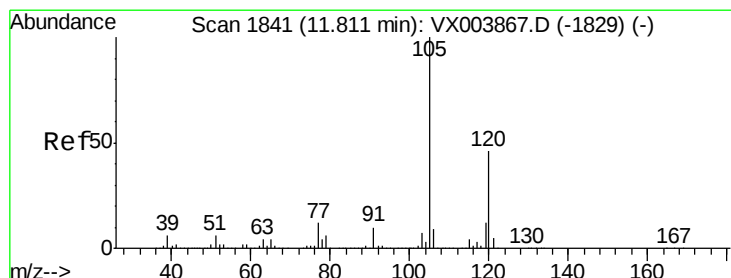
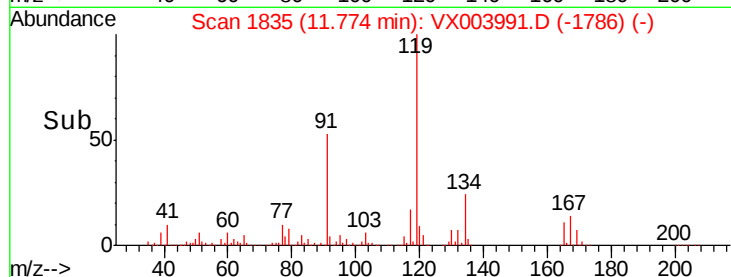
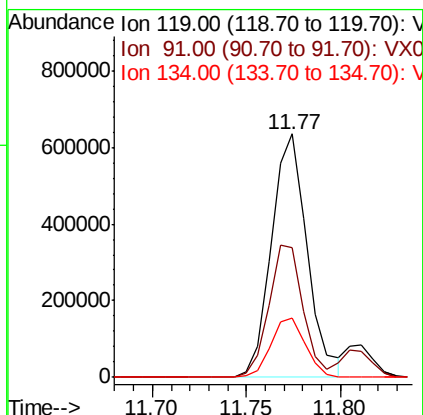
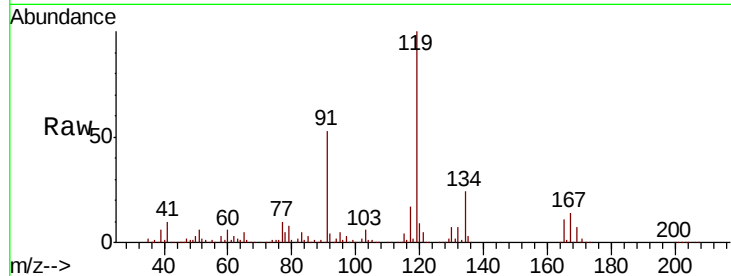




#83
tert-Butylbenzene
Concen: 48.50 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

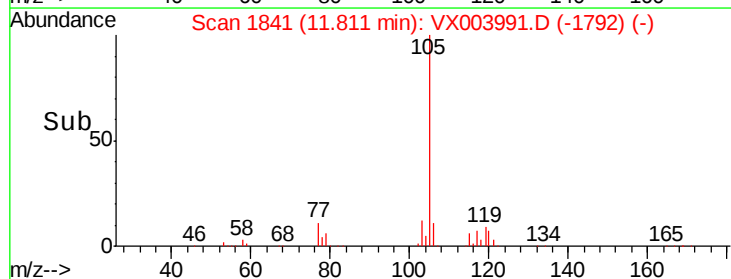
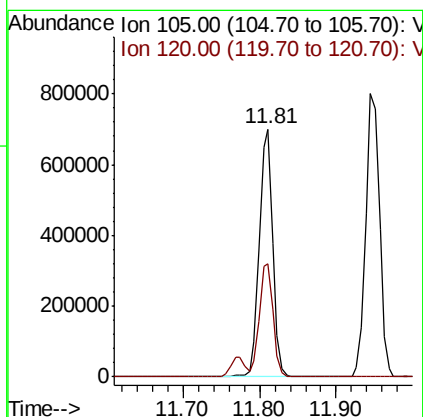
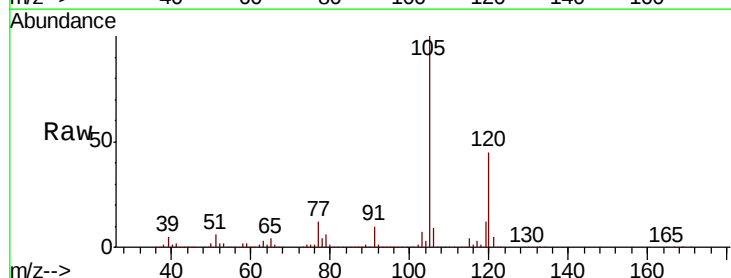
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

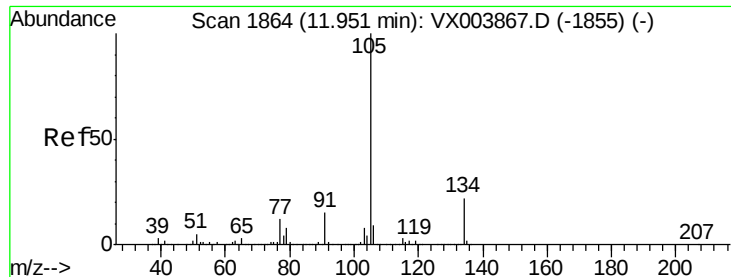
Tot Ion:119 Resp: 834143
Ion Ratio Lower Upper
119 100
91 52.0 26.9 80.7
134 23.7 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 49.14 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Tgt Ion:105 Resp: 863890
Ion Ratio Lower Upper
105 100
120 46.4 23.1 69.2





#85

sec-Butylbenzene

Concen: 49.52 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

Instrument :

MSVOA_X

ClientSampleId :

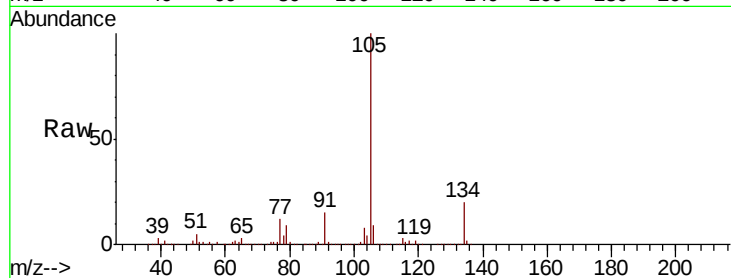
VSTDCCC050

Tot Ion:105 Resp: 1005172

Ion Ratio Lower Upper

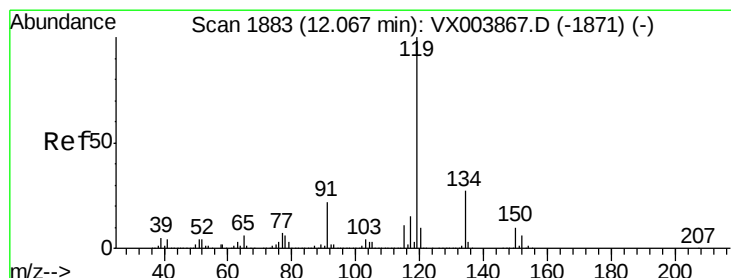
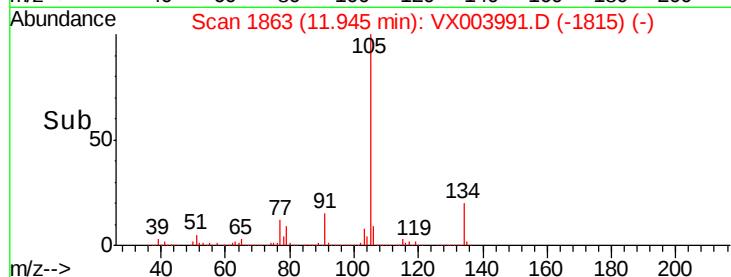
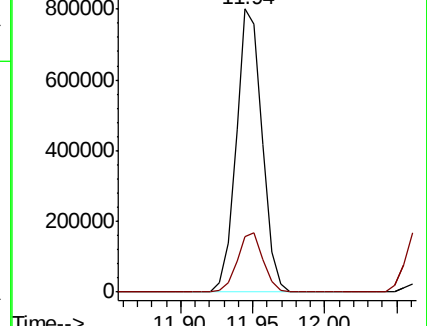
105 100

134 20.7 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: 49.33 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003991.D

Acq: 13 Aug 2018 10:56

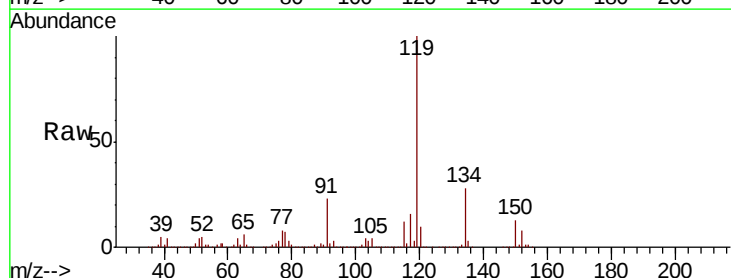
Tgt Ion:119 Resp: 898432

Ion Ratio Lower Upper

119 100

134 27.6 13.3 39.8

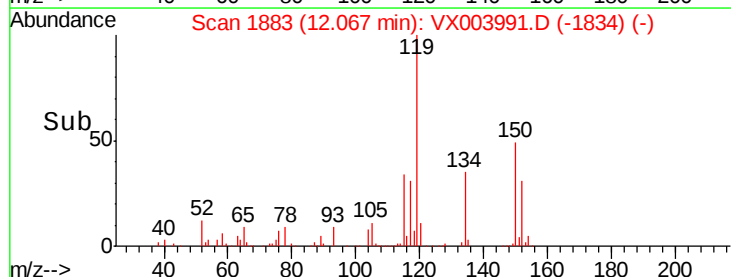
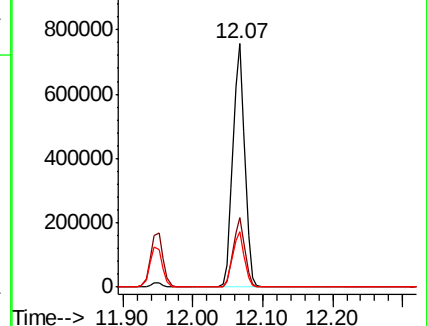
91 22.4 10.9 32.7

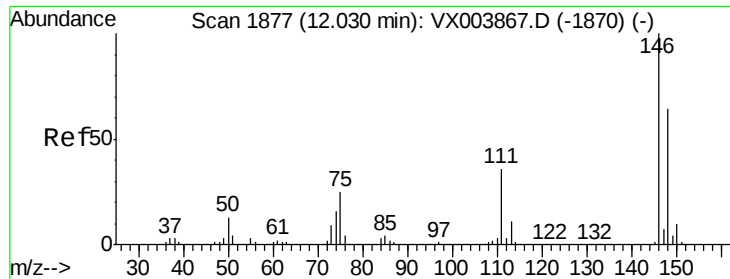


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

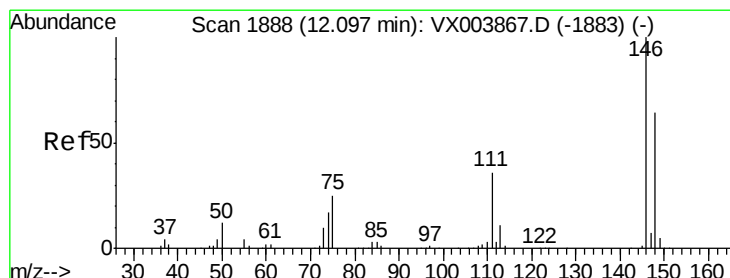
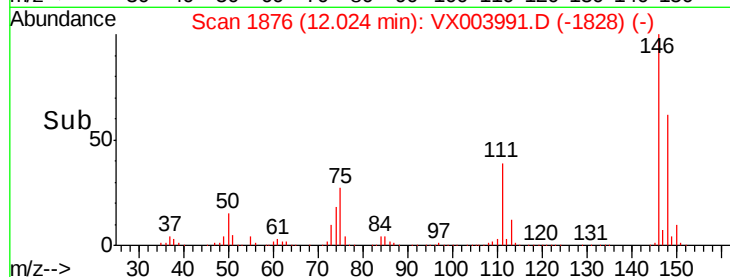
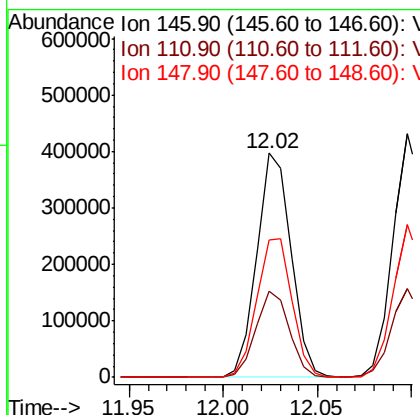
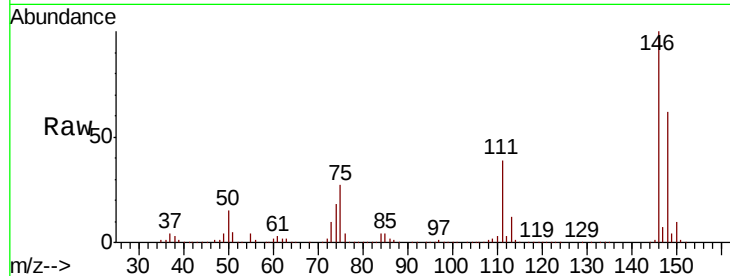




#87
 1,3-Dichlorobenzene
 Concen: 47.35 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

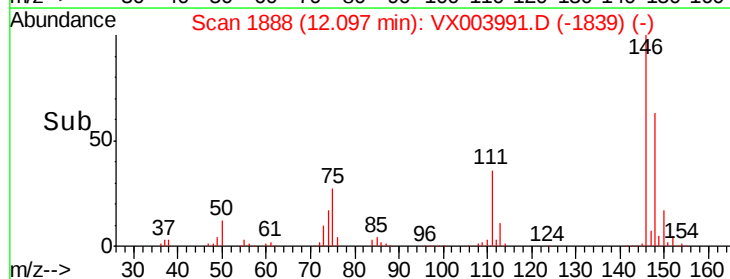
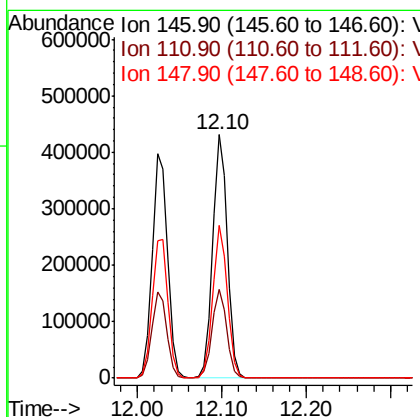
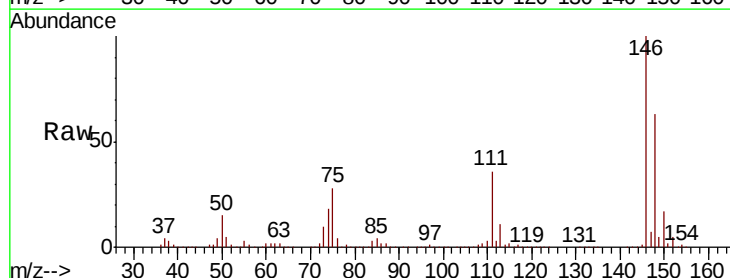
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

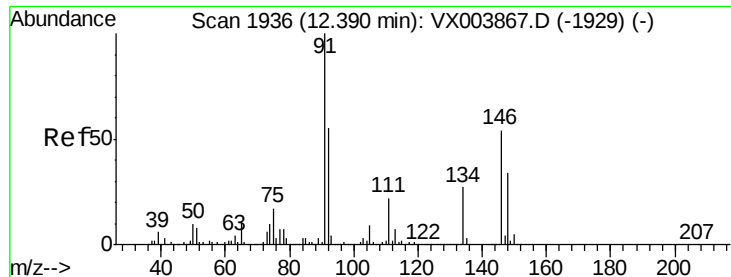
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	63.9	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 47.41 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.4	55.0
148	62.1	32.3	96.8

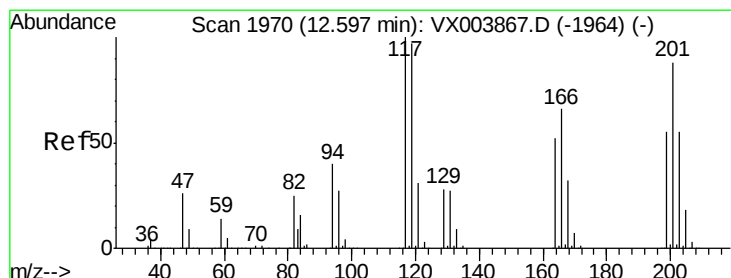
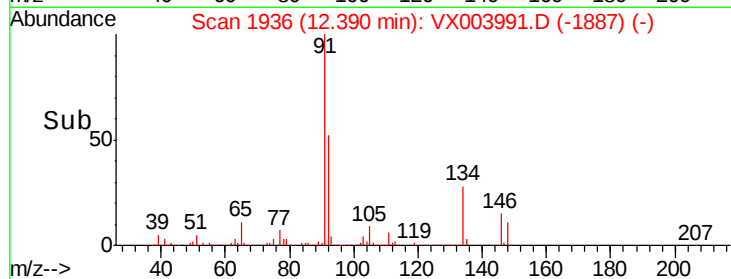
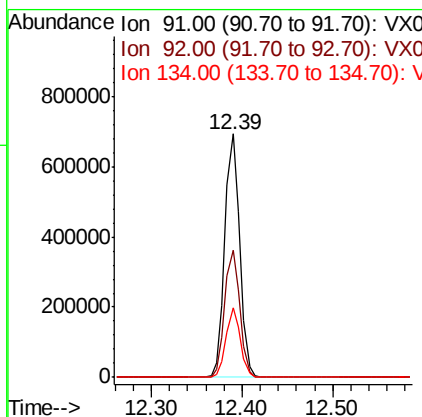
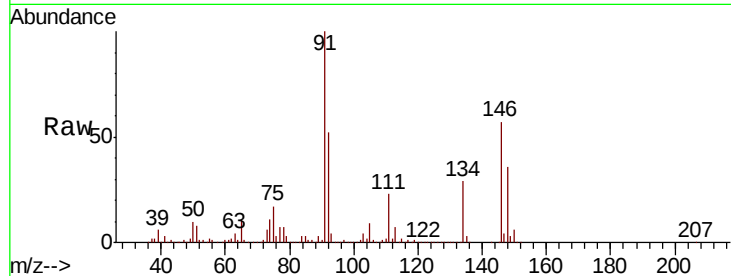




#89
n-Butylbenzene
Concen: 49.87 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

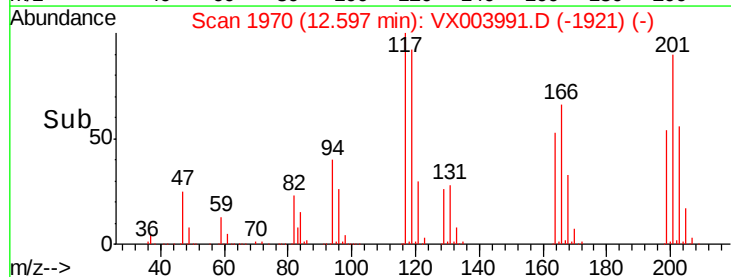
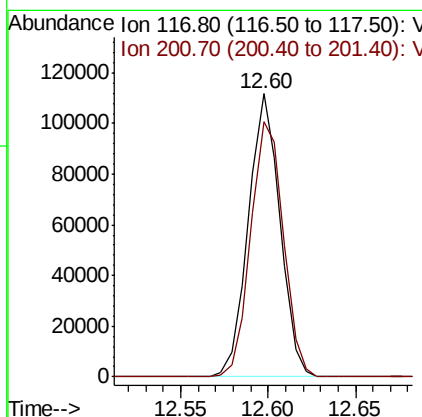
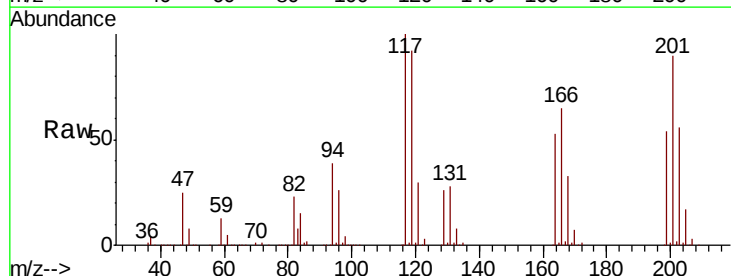
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

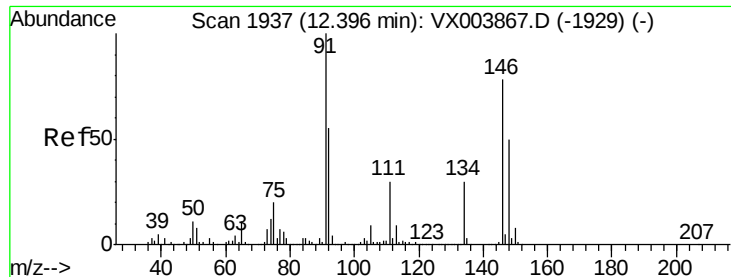
Tot Ion: 91 Resp: 791531
Ion Ratio Lower Upper
91 100
92 53.1 27.1 81.3
134 27.6 13.6 40.7



#90
Hexachloroethane
Concen: 47.40 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Tgt Ion: 117 Resp: 140184
Ion Ratio Lower Upper
117 100
201 93.2 46.1 138.2

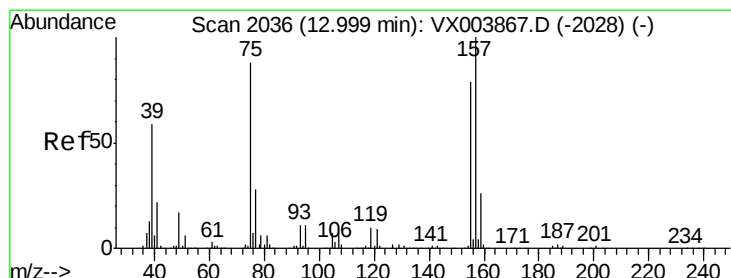
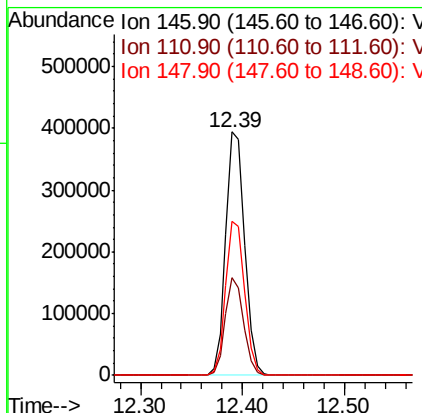
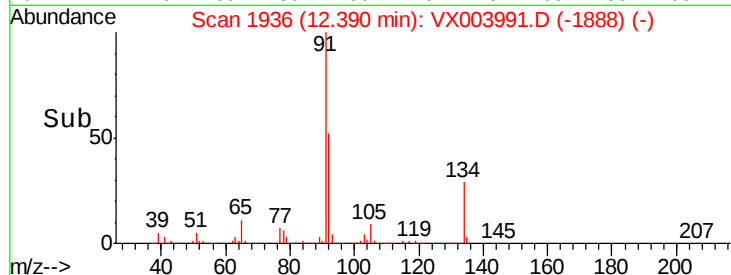
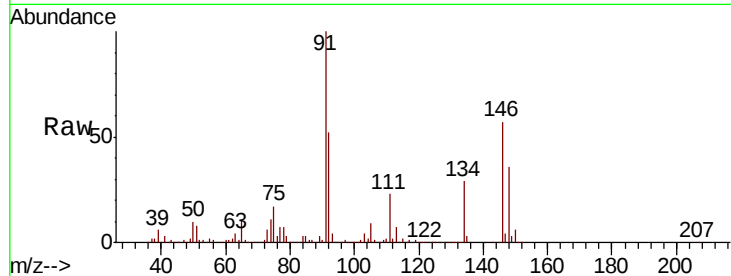




#91
 1,2-Dichlorobenzene
 Concen: 48.37 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

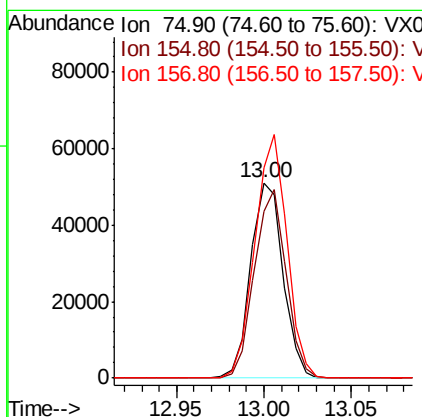
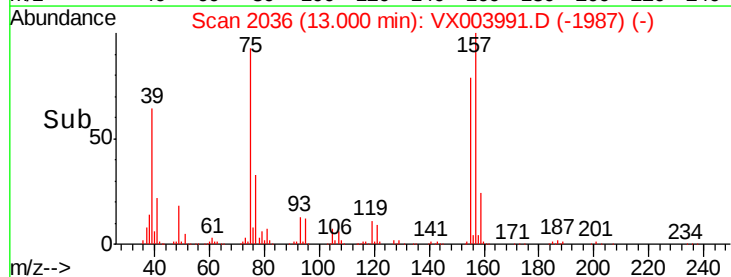
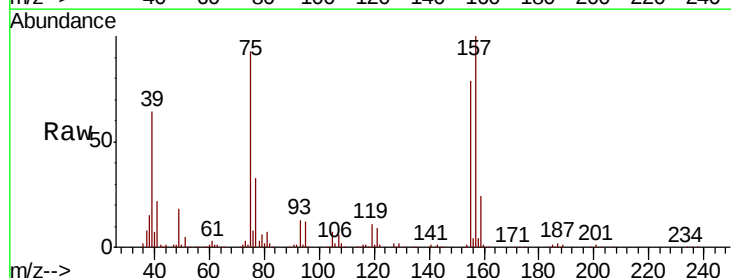
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

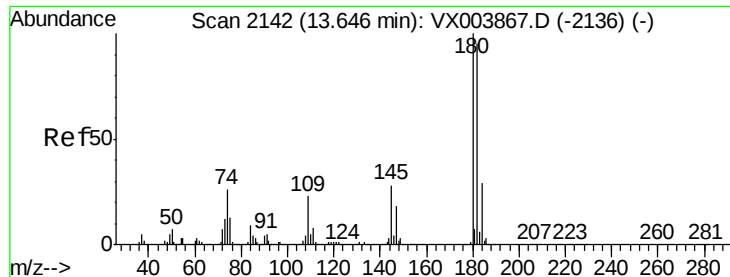
Tot Ion:146 Resp: 506880
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.7 59.0
 148 63.4 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.76 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

Tgt Ion: 75 Resp: 65870
 Ion Ratio Lower Upper
 75 100
 155 94.7 48.7 146.1
 157 123.0 62.6 187.8

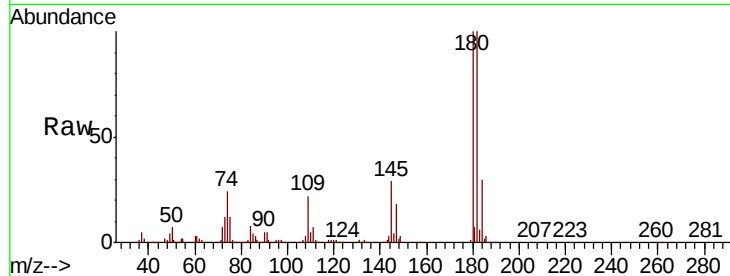




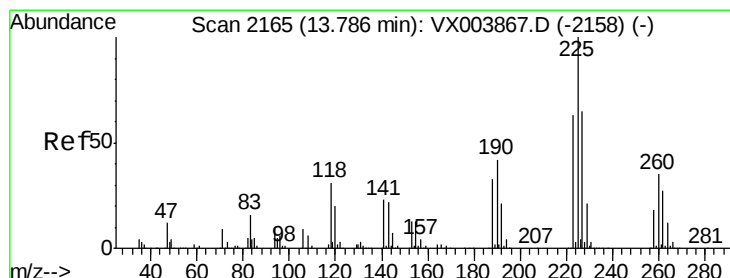
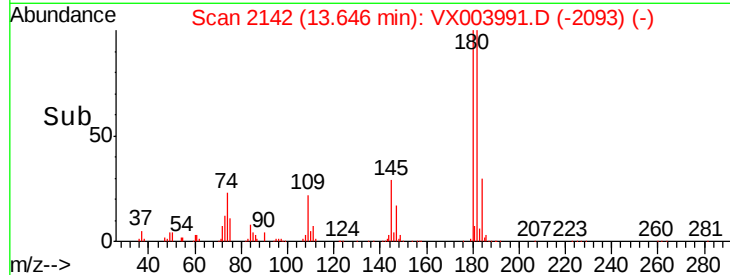
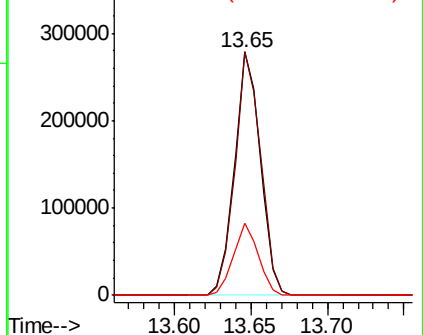
#93
 1,2,4-Trichlorobenzene
 Concen: 43.35 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 326754
 Ion Ratio Lower Upper
 180 100
 182 99.6 47.7 143.1
 145 28.5 13.9 41.6

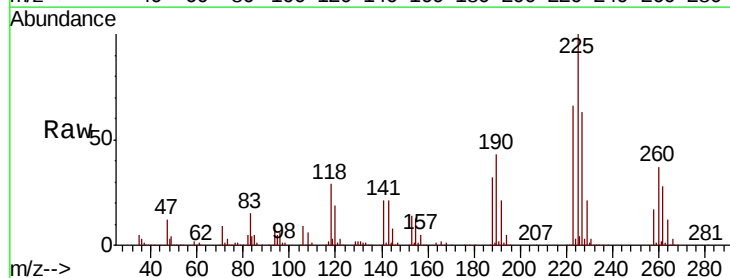


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

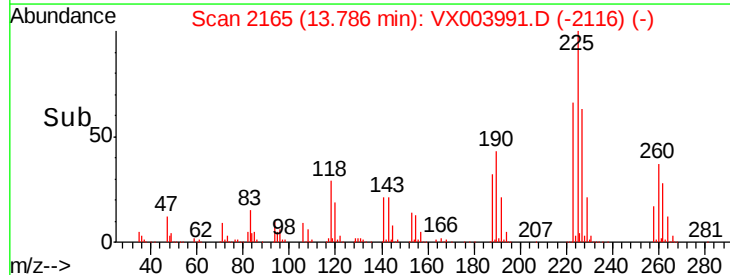
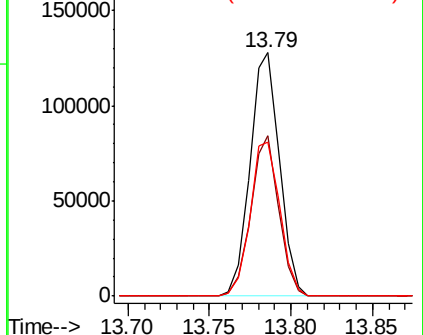


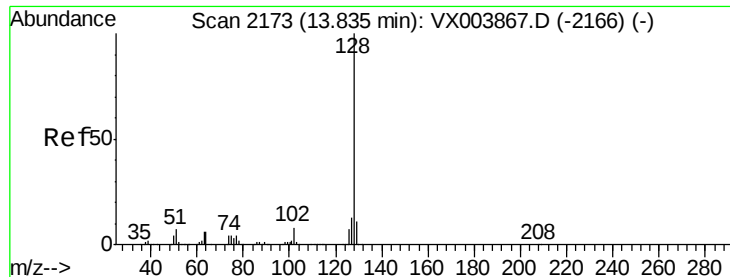
#94
 Hexachlorobutadiene
 Concen: 45.56 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003991.D
 Acq: 13 Aug 2018 10:56

Tgt Ion:225 Resp: 160856
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.4 94.0
 227 64.1 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

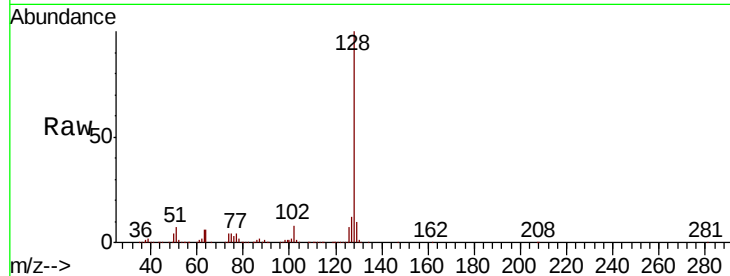




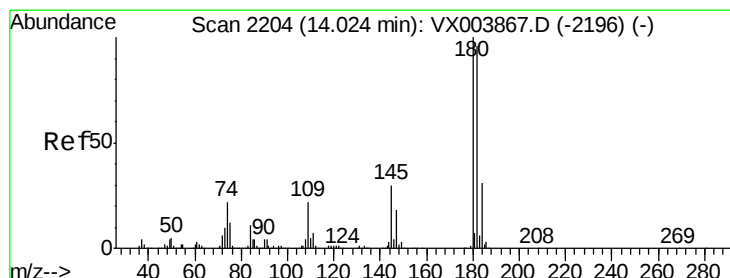
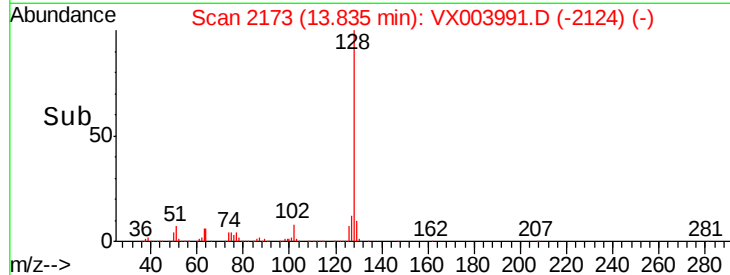
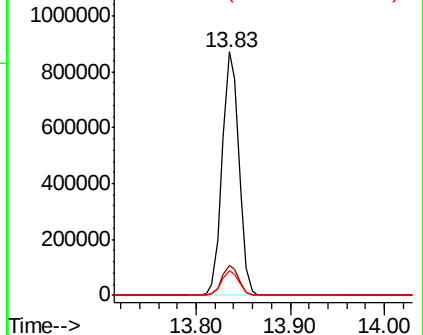
#95
Naphthalene
Concen: 49.83 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1075650
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 10.4 8.8 13.2

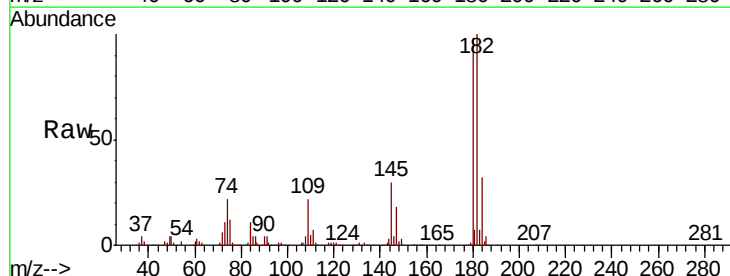


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 47.79 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003991.D
Acq: 13 Aug 2018 10:56

Tgt Ion:180 Resp: 359485
Ion Ratio Lower Upper
180 100
182 95.4 48.1 144.4
145 30.8 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

