

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
 Data File : VX003252.D
 Acq On : 09 Jul 2018 18:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 10 01:00:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	265632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	328762	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	215688	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	195223	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
35) Dibromofluoromethane	5.51	113	170464	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	8.72	98	623415	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	11.14	95	231111	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	201083	49.79	ug/l	99
3) Chloromethane	1.32	50	163287	44.47	ug/l	99
4) Vinyl Chloride	1.40	62	179124	47.53	ug/l	100
5) Bromomethane	1.64	94	65097	58.22	ug/l	98
6) Chloroethane	1.71	64	99776	47.79	ug/l	99
7) Trichlorofluoromethane	1.92	101	265706	47.43	ug/l	99
8) Diethyl Ether	2.19	74	93322	46.08	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	153114	46.68	ug/l	96
10) Methyl Iodide	2.51	142	148486	42.02	ug/l	97
11) Tert butyl alcohol	3.09	59	194390	256.49	ug/l	99
12) 1,1-Dichloroethene	2.37	96	136651	45.78	ug/l	90
13) Acrolein	2.29	56	131658	215.57	ug/l	98
14) Allyl chloride	2.73	41	262012	47.39	ug/l	94
15) Acrylonitrile	3.15	53	410066	242.31	ug/l	99
16) Acetone	2.45	43	373934	251.95	ug/l	95
17) Carbon Disulfide	2.57	76	376863	45.43	ug/l	99
18) Methyl Acetate	2.78	43	215422	51.45	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	460060	46.14	ug/l	99
20) Methylene Chloride	2.85	84	150845	49.59	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	145939	45.86	ug/l	95
22) Diisopropyl ether	3.88	45	474573	42.19	ug/l	98
23) Vinyl Acetate	3.83	43	2091637	219.01	ug/l	97
24) 1,1-Dichloroethane	3.70	63	270025	46.12	ug/l	100
25) 2-Butanone	4.72	43	644368	245.36	ug/l	94
26) 2,2-Dichloropropane	4.59	77	229968	44.91	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	182910	46.77	ug/l	93
28) Bromochloromethane	5.02	49	135760	46.02	ug/l	85
29) Tetrahydrofuran	5.17	42	412206	241.83	ug/l	95
30) Chloroform	5.22	83	300751	46.70	ug/l	98
31) Cyclohexane	5.57	56	260697	47.55	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	272145	47.90	ug/l	97
36) 1,1-Dichloropropene	5.80	75	224433	48.22	ug/l	98
37) Ethyl Acetate	4.87	43	242058	47.44	ug/l	97
38) Carbon Tetrachloride	5.79	117	249427	48.99	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	267562	48.80	ug/l	96
40) Benzene	6.15	78	672406	48.75	ug/l	100
41) Methacrylonitrile	5.07	41	139459	49.93	ug/l	96
42) 1,2-Dichloroethane	6.20	62	237336	46.06	ug/l	97
43) Isopropyl Acetate	6.48	43	390159	48.70	ug/l	96
44) Trichloroethene	7.21	130	200591	49.18	ug/l	97
45) 1,2-Dichloropropane	7.52	63	167807	46.80	ug/l	100
46) Dibromomethane	7.66	93	116611	47.71	ug/l	91
47) Bromodichloromethane	7.90	83	219552	48.69	ug/l	97
48) Methyl methacrylate	7.79	41	206224	50.19	ug/l	92
49) 1,4-Dioxane	7.76	88	89713	1044.18	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	1262855	253.18	ug/l	96
52) Toluene	8.79	92	427957	49.09	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	262819	49.53	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	241039	49.91	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	175004	48.39	ug/l	96
56) Ethyl methacrylate	9.19	69	253130	51.10	ug/l #	89
57) 1,3-Dichloropropane	9.38	76	280876	48.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	635193	265.81	ug/l	95
59) 2-Hexanone	9.50	43	972140	256.60	ug/l	94
60) Dibromochloromethane	9.59	129	190474	50.44	ug/l	100
61) 1,2-Dibromoethane	9.68	107	185521	48.94	ug/l	100
64) Tetrachloroethene	9.34	164	229191	50.45	ug/l	99
65) Chlorobenzene	10.14	112	495400	48.51	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	187340	50.85	ug/l	99
67) Ethyl Benzene	10.26	91	823406	49.86	ug/l	100
68) m/p-Xylenes	10.36	106	648471	100.94	ug/l	97
69) o-Xylene	10.70	106	312988	50.29	ug/l	97
70) Styrene	10.71	104	513747	50.91	ug/l	98
71) Bromoform	10.86	173	156963	51.78	ug/l	100
73) Isopropylbenzene	11.02	105	850314	49.93	ug/l	99
74) N-amyl acetate	6.48	43	390159	48.03	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	253078	47.91	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	297288	63.78	ug/l	81
77) Bromobenzene	11.26	156	243482	49.52	ug/l	93
78) n-propylbenzene	11.37	91	942733	49.79	ug/l	97
79) 2-Chlorotoluene	11.43	91	560622	48.60	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	712761	50.26	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	72423	50.78	ug/l	94
82) 4-Chlorotoluene	11.51	91	655555	48.67	ug/l	97
83) tert-Butylbenzene	11.77	119	711387	50.22	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	730191	50.29	ug/l	97
85) sec-Butylbenzene	11.95	105	842619	50.33	ug/l	98
86) p-Isopropyltoluene	12.07	119	770750	50.53	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	436962	48.45	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	437418	47.90	ug/l	98
89) n-Butylbenzene	12.39	91	629175	49.37	ug/l	98
90) Hexachloroethane	12.60	117	114765	49.28	ug/l	93
91) 1,2-Dichlorobenzene	12.40	146	434660	47.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	55029	48.56	ug/l	84

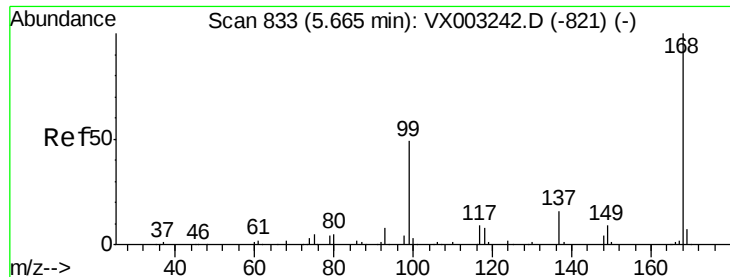
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	328807	49.89	ug/l	99
94) Hexachlorobutadiene	13.79	225	162975	49.67	ug/l	100
95) Naphthalene	13.84	128	904970	52.48	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	334710	50.92	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

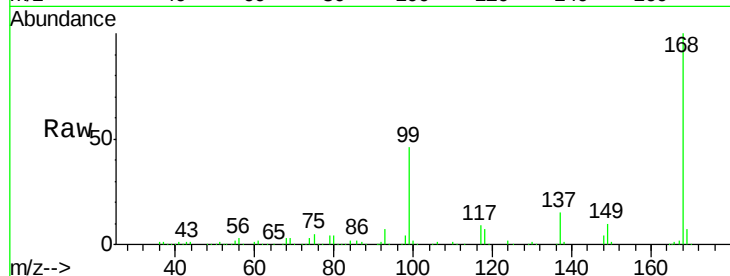
VSTDCCC050

Tot Ion:168 Resp: 265632

Ion Ratio Lower Upper

168 100

99 45.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

40000

20000

0

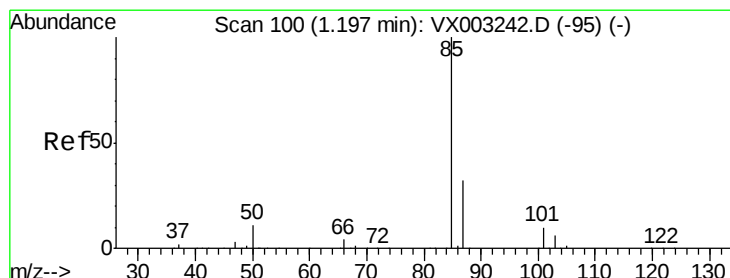
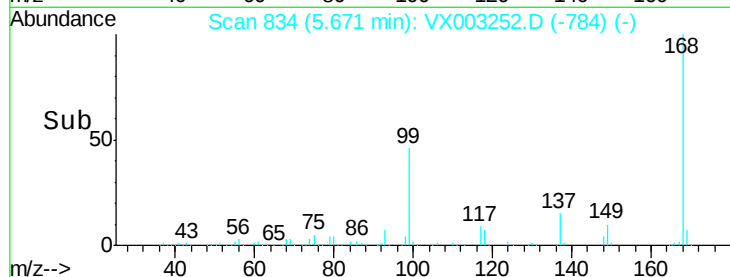
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 49.79 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003252.D

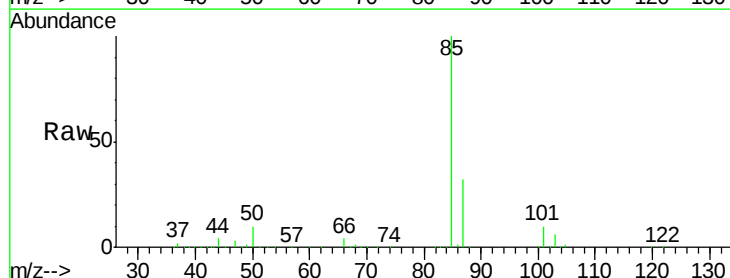
Acq: 09 Jul 2018 18:44

Tgt Ion: 85 Resp: 201083

Ion Ratio Lower Upper

85 100

87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

150000

100000

50000

0

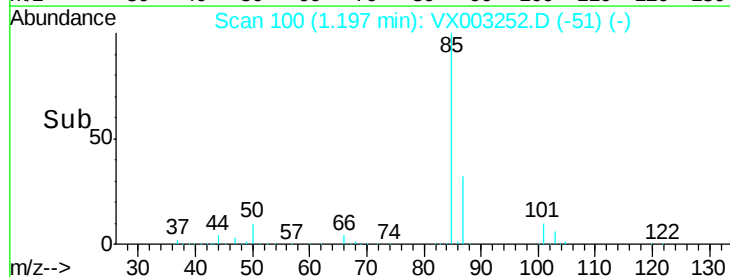
Time-->

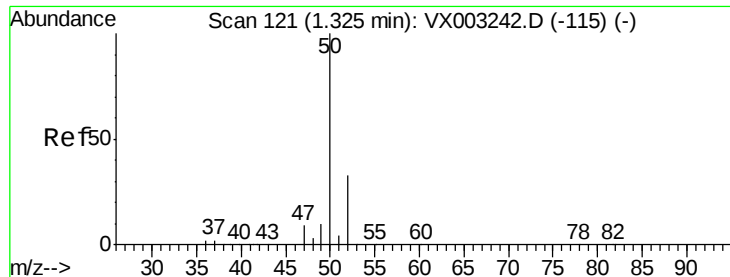
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 44.47 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

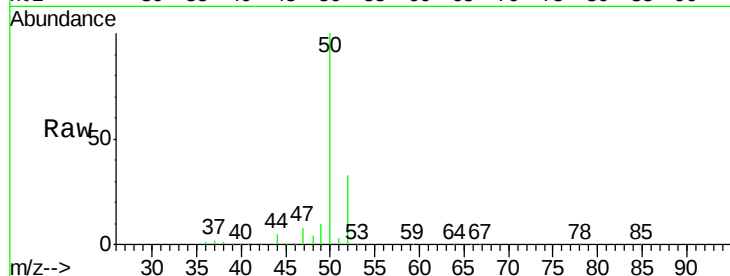
VSTDCCC050

Tot Ion: 50 Resp: 163287

Ion Ratio Lower Upper

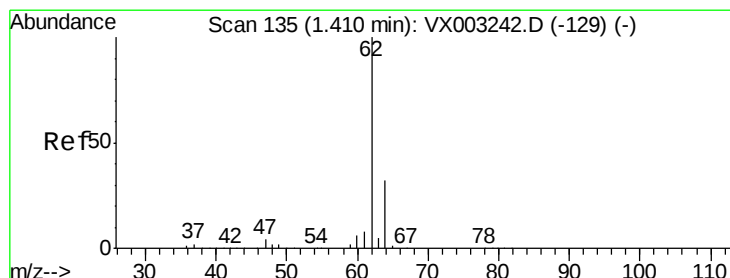
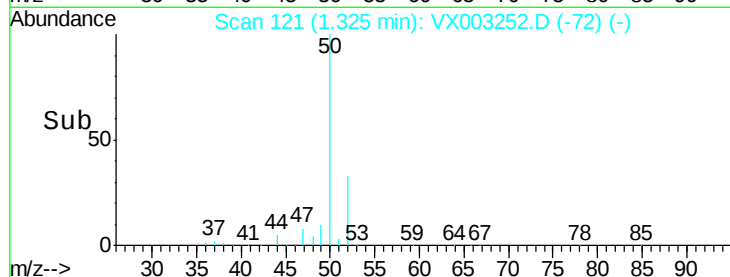
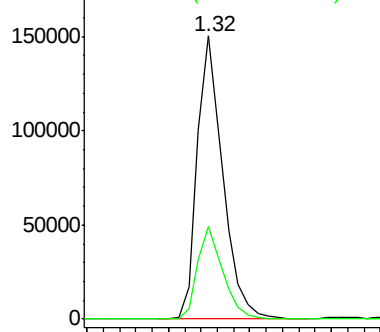
50 100

52 32.6 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.53 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003252.D

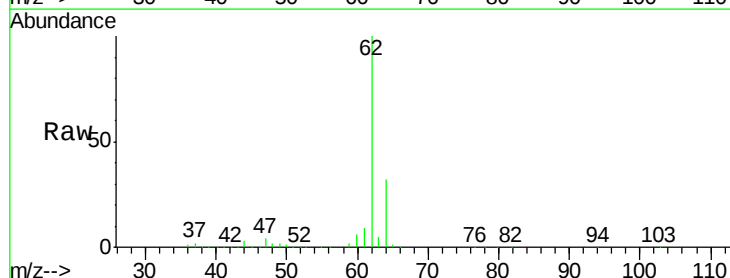
Acq: 09 Jul 2018 18:44

Tgt Ion: 62 Resp: 179124

Ion Ratio Lower Upper

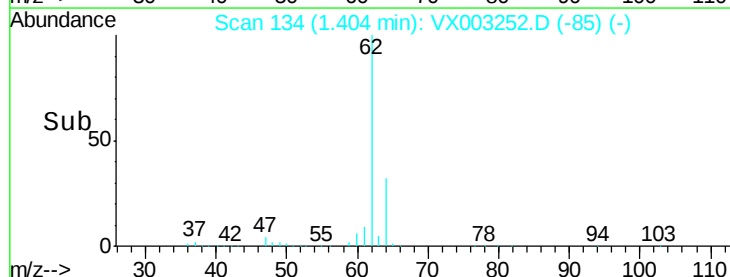
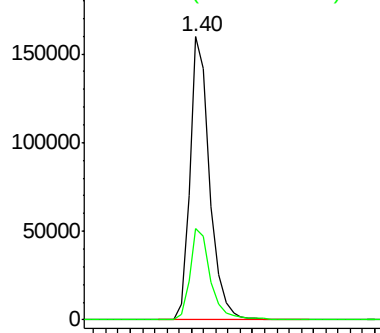
62 100

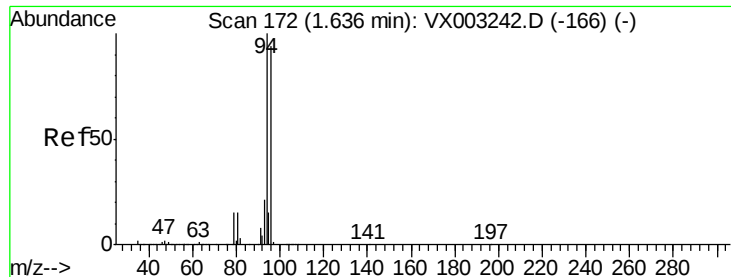
64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 58.22 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

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ClientSampleId :

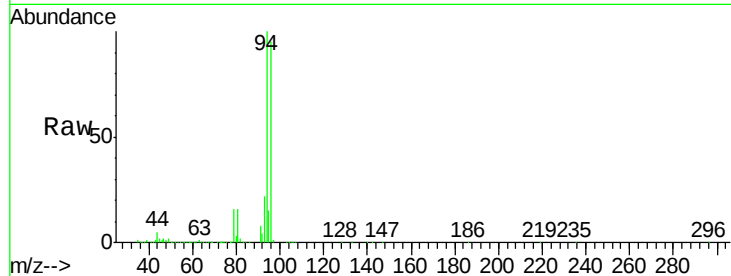
VSTDCCC050

Tot Ion: 94 Resp: 65097

Ion Ratio Lower Upper

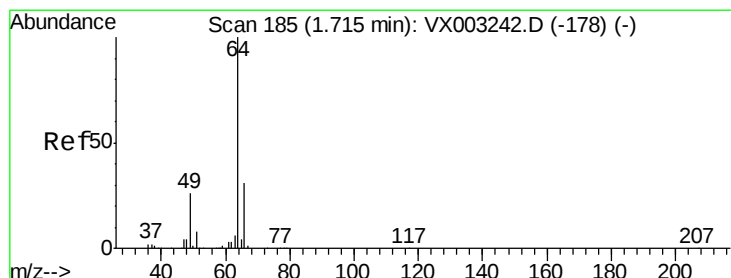
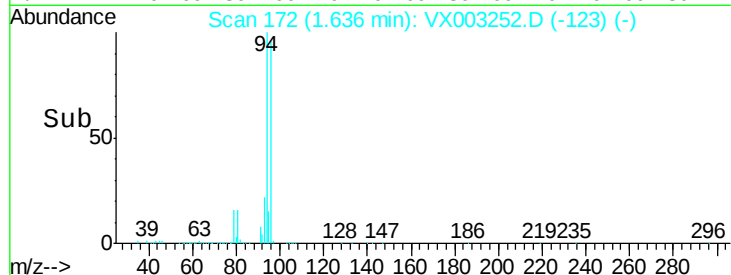
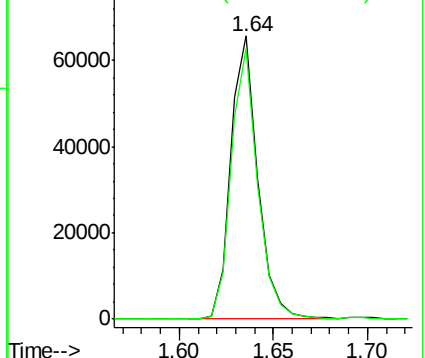
94 100

96 95.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.79 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.01 min

Lab File: VX003252.D

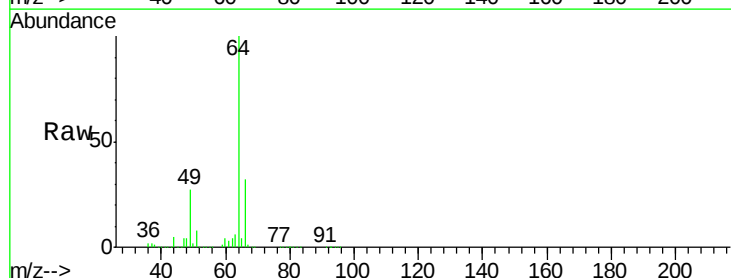
Acq: 09 Jul 2018 18:44

Tgt Ion: 64 Resp: 99776

Ion Ratio Lower Upper

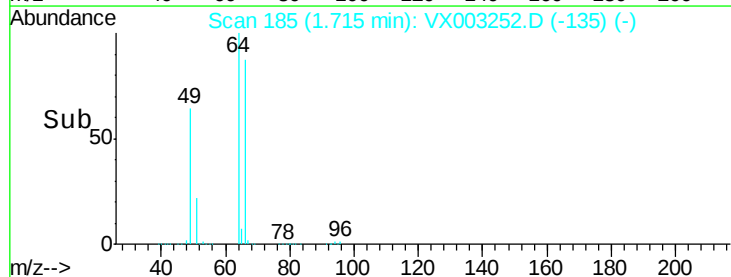
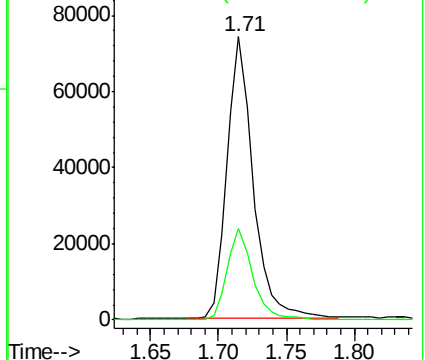
64 100

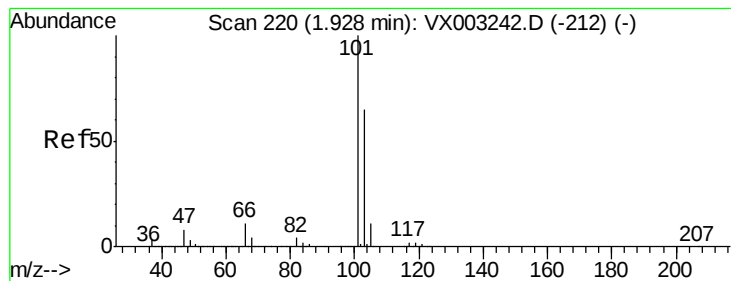
66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 47.43 ug/l

RT: 1.92 min Scan# 219

Delta R.T. -0.00 min

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Acq: 09 Jul 2018 18:44

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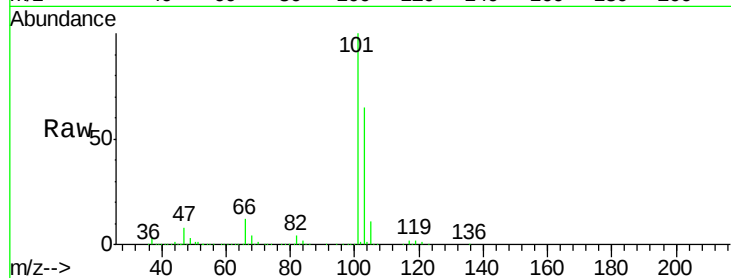
VSTDCCC050

Tot Ion:101 Resp: 265706

Ion Ratio Lower Upper

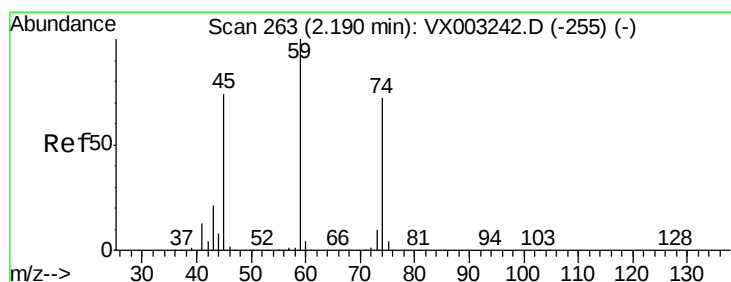
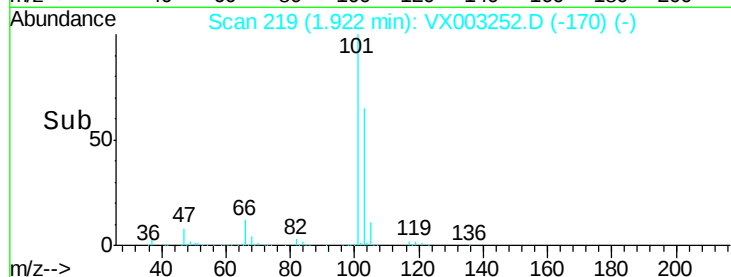
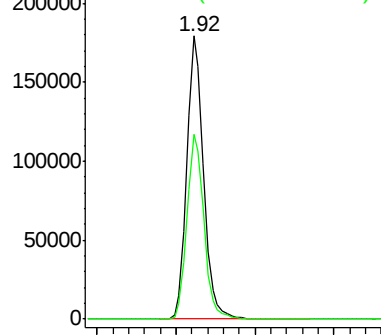
101 100

103 65.1 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 46.08 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003252.D

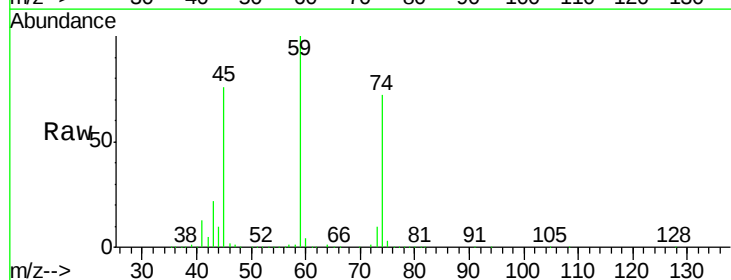
Acq: 09 Jul 2018 18:44

Tgt Ion: 74 Resp: 93322

Ion Ratio Lower Upper

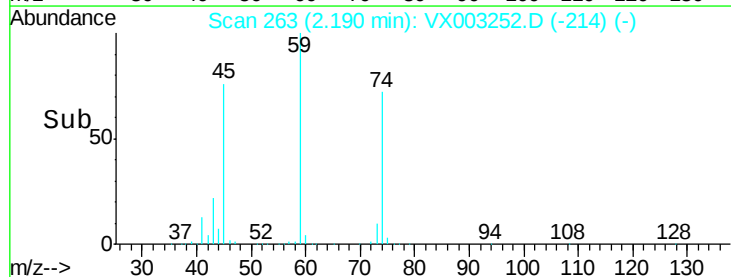
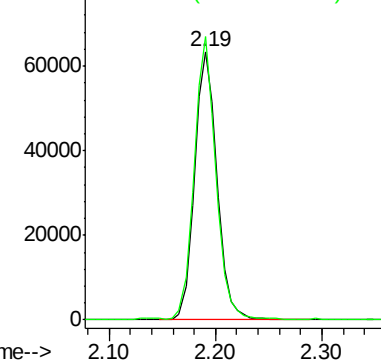
74 100

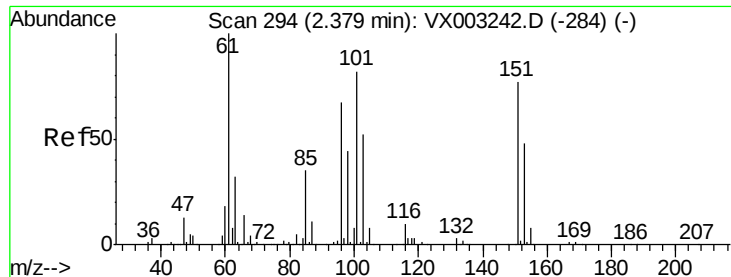
45 101.2 53.1 159.4



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: 46.68 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

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ClientSampleId :

VSTDCCC050

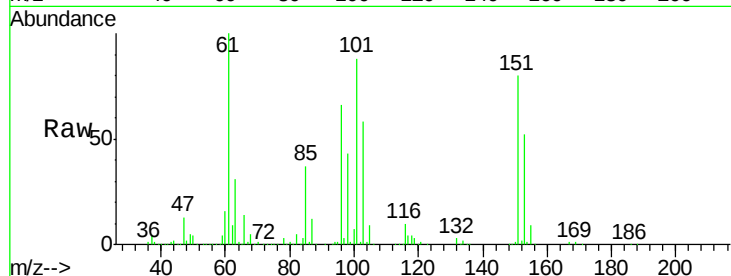
Tot Ion:101 Resp: 153114

Ion Ratio Lower Upper

101 100

85 42.5 36.0 54.0

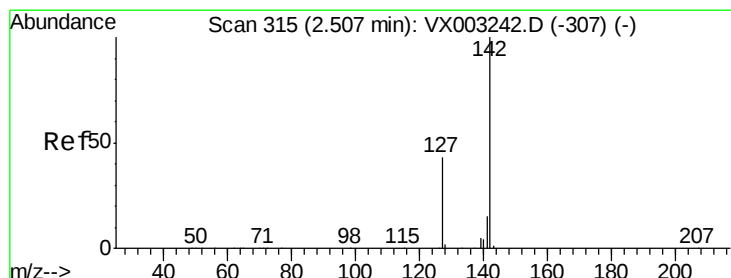
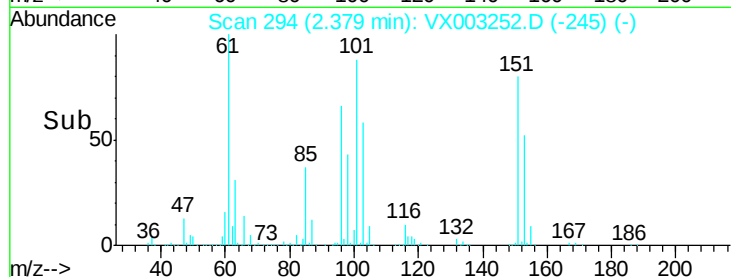
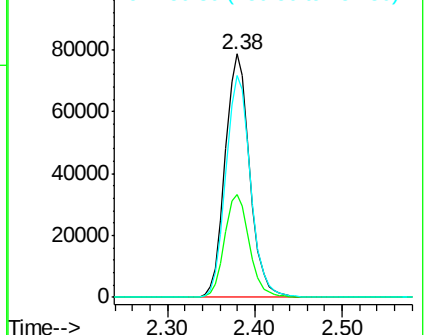
151 91.9 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.02 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

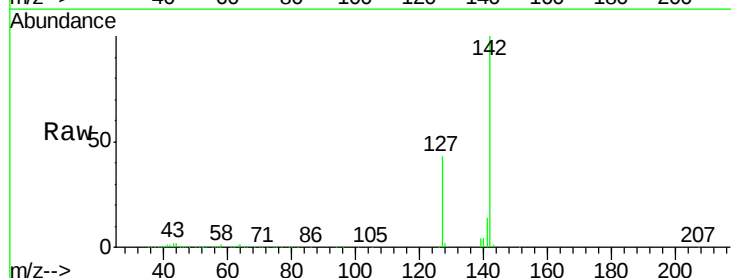
Tgt Ion:142 Resp: 148486

Ion Ratio Lower Upper

142 100

127 43.5 36.6 55.0

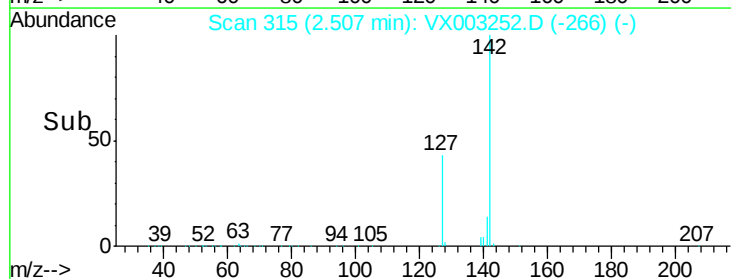
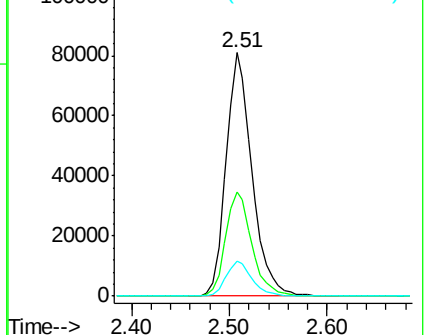
141 14.4 11.3 16.9

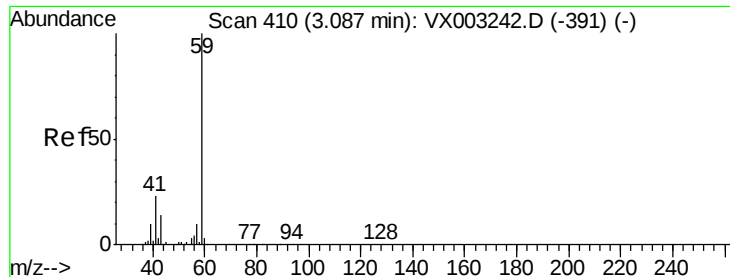


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



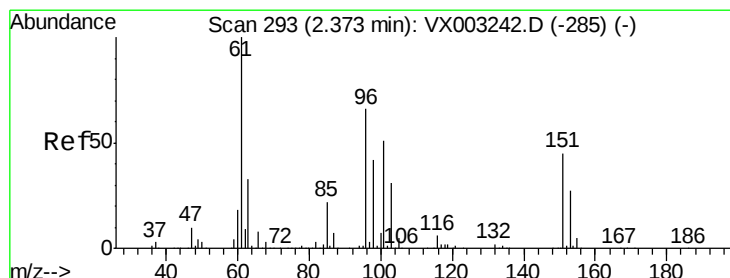
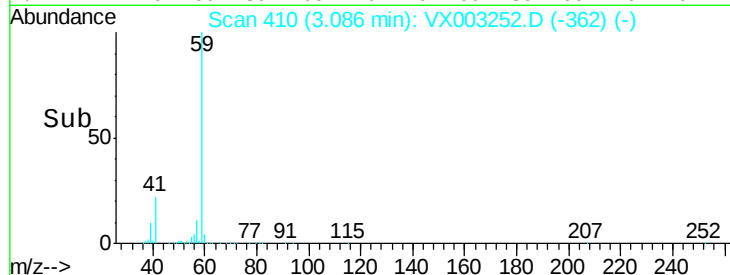
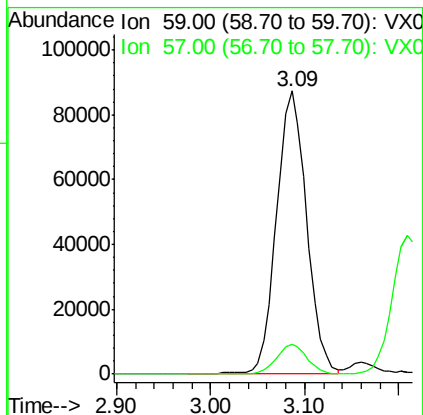
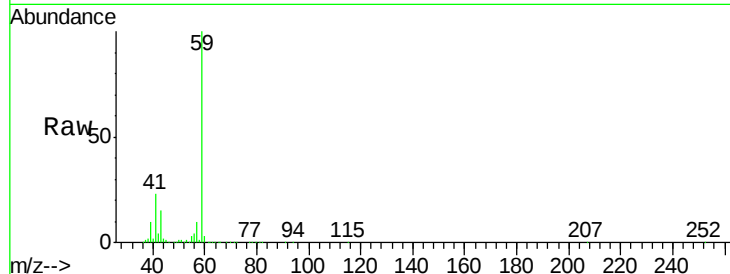


#11

Tert butyl alcohol
Concen: 256.49 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.01 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

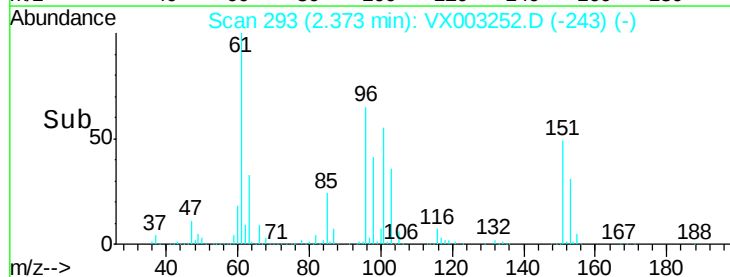
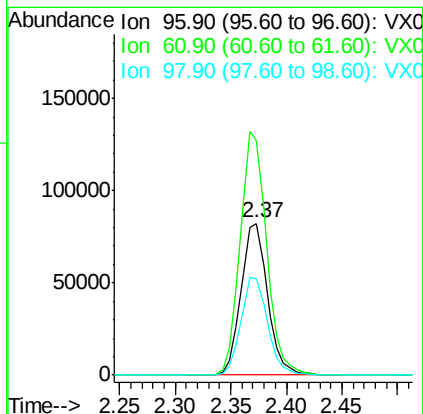
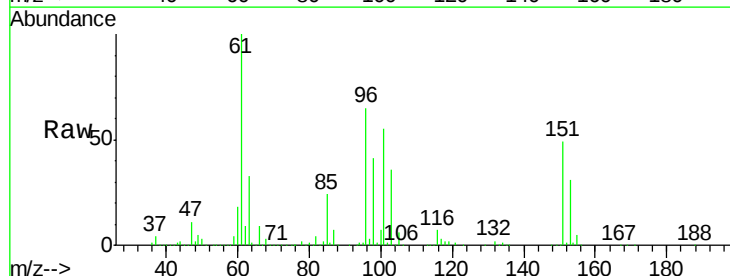
Tot Ion: 59 Resp: 194390
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2

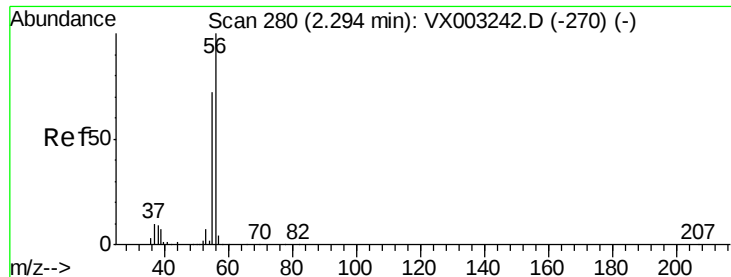


#12

1,1-Dichloroethene
Concen: 45.78 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Tgt Ion: 96 Resp: 136651
Ion Ratio Lower Upper
96 100
61 154.6 137.9 206.9
98 63.4 51.6 77.4





#13

Acrolein

Concen: 215.57 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

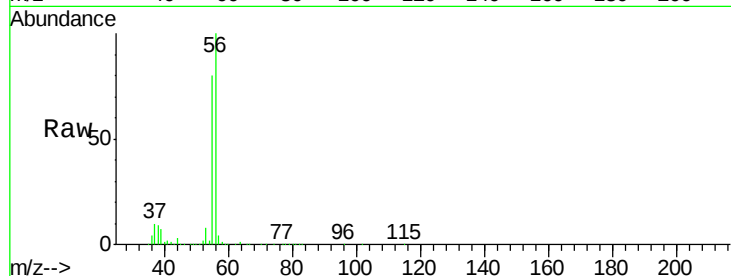
VSTDCCC050

Tot Ion: 56 Resp: 131658

Ion Ratio Lower Upper

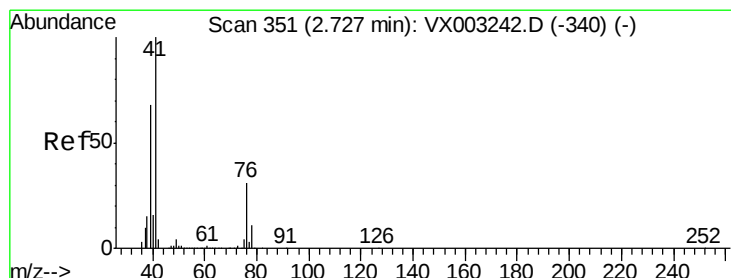
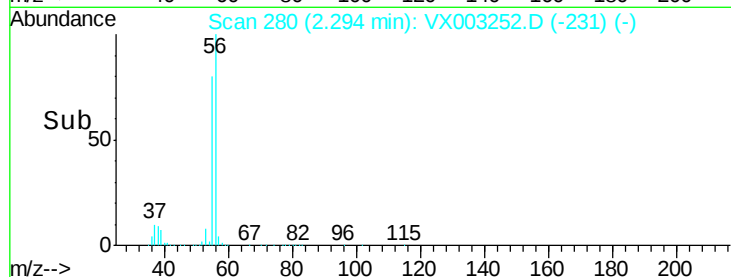
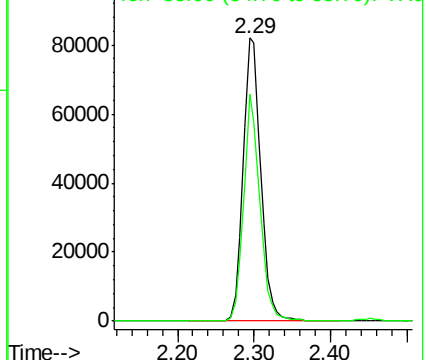
56 100

55 72.9 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.39 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

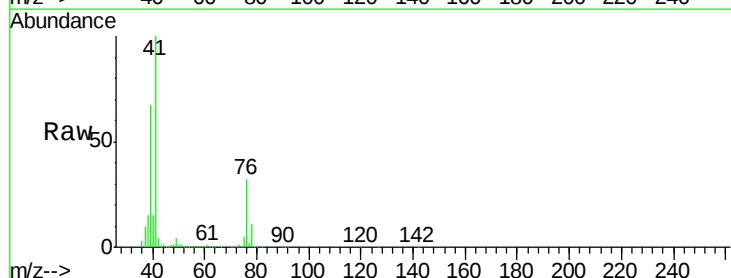
Tgt Ion: 41 Resp: 262012

Ion Ratio Lower Upper

41 100

39 65.0 56.8 85.2

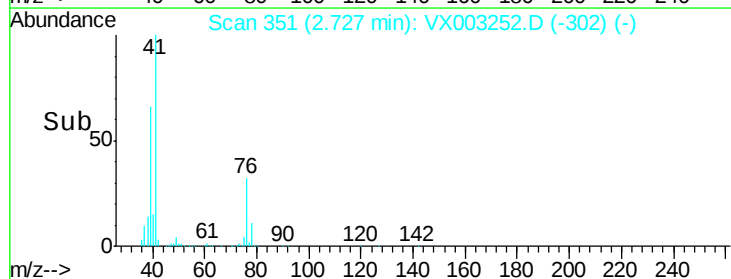
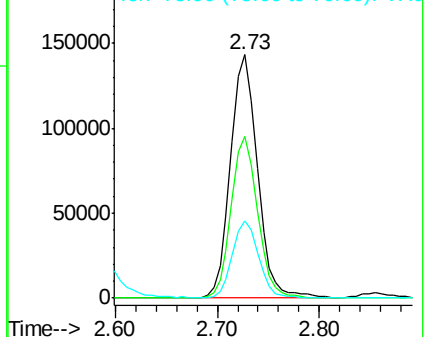
76 30.9 23.8 35.8

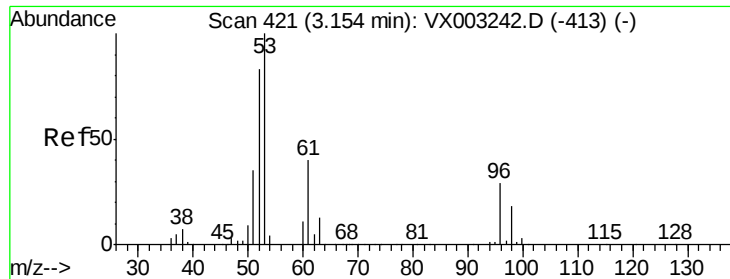


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 242.31 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

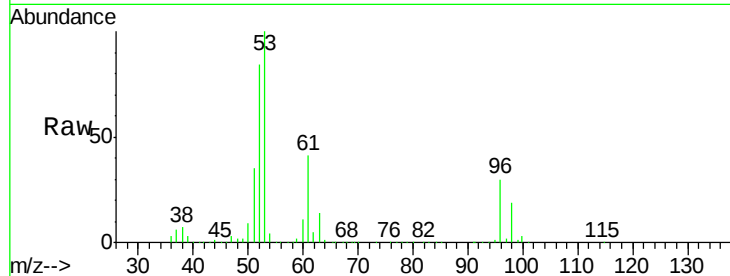
Tot Ion: 53 Resp: 410066

Ion Ratio Lower Upper

53 100

52 83.0 66.7 100.1

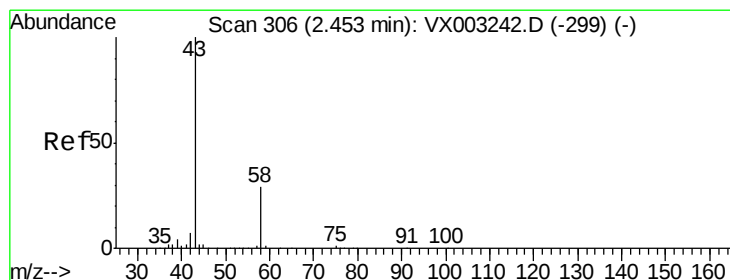
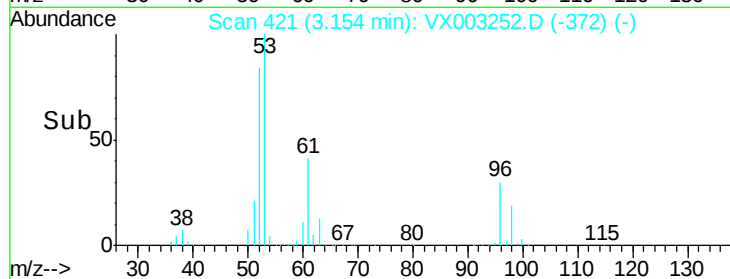
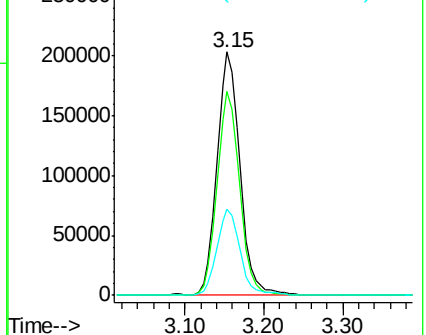
51 35.8 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 251.95 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX003252.D

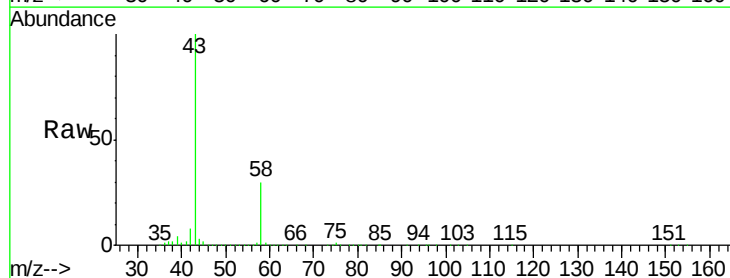
Acq: 09 Jul 2018 18:44

Tgt Ion: 43 Resp: 373934

Ion Ratio Lower Upper

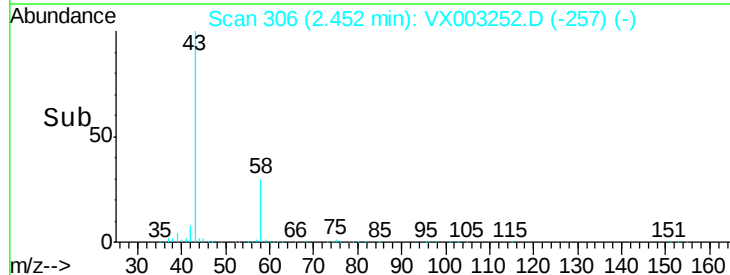
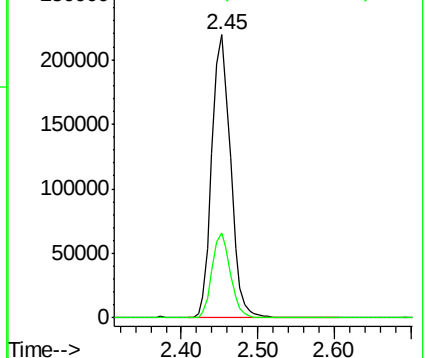
43 100

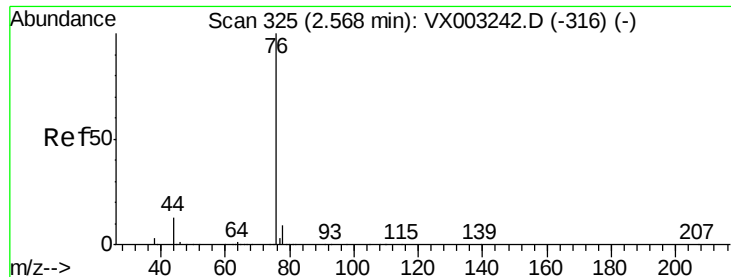
58 30.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

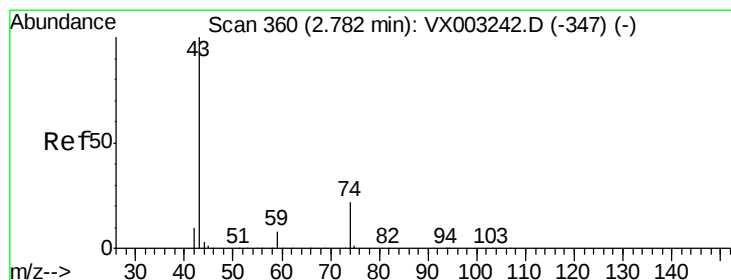
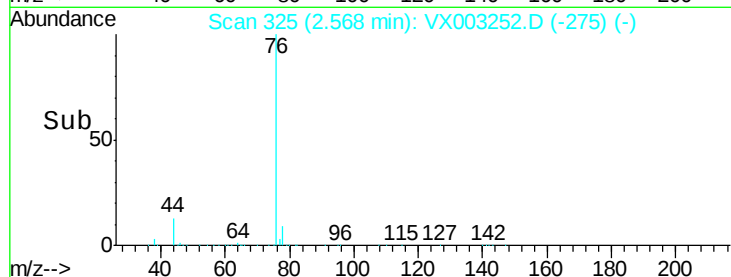
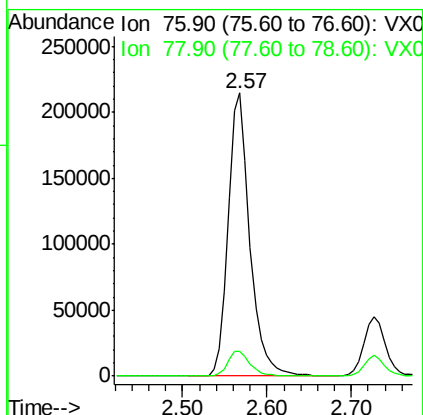
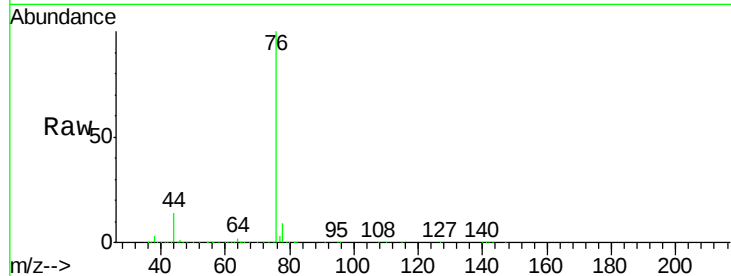




#17
Carbon Disulfide
Concen: 45.43 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

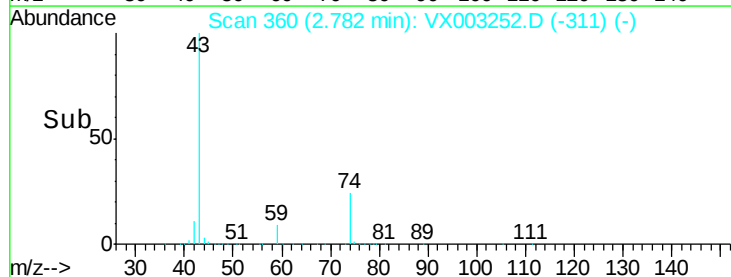
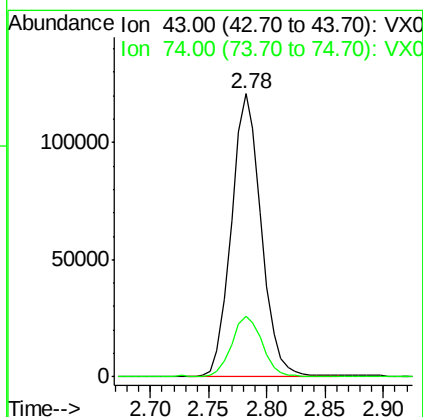
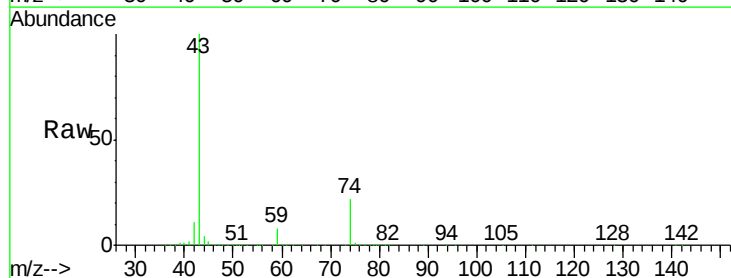
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

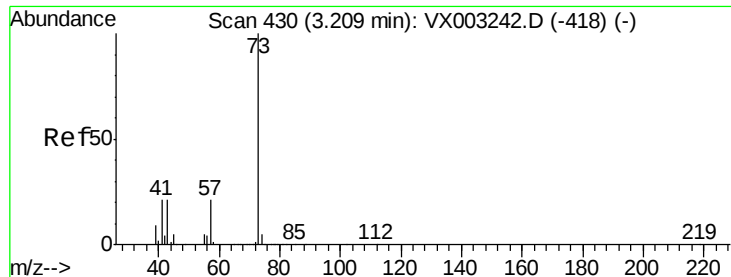
Tot Ion: 76 Resp: 376863
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#18
Methyl Acetate
Concen: 51.45 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Tgt Ion: 43 Resp: 215422
Ion Ratio Lower Upper
43 100
74 22.1 16.7 25.1

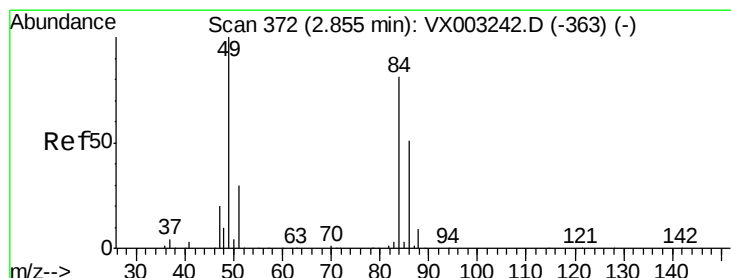
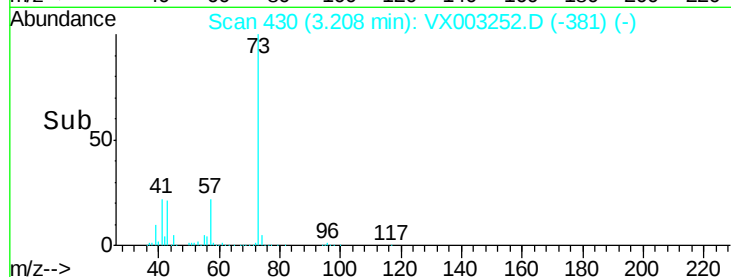
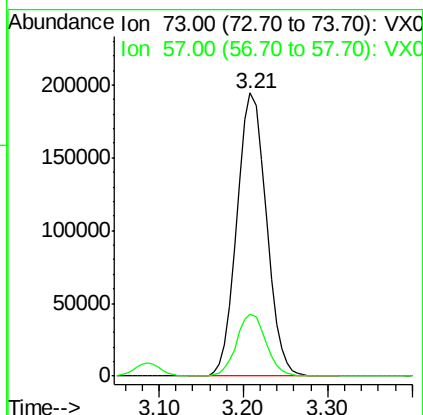
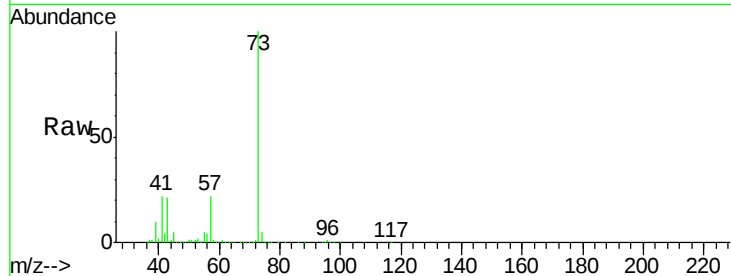




#19
Methyl tert-butyl Ether
Concen: 46.14 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

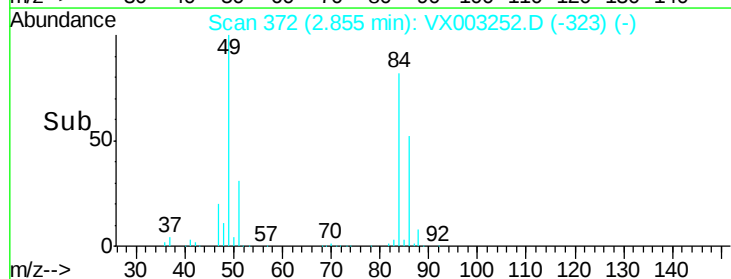
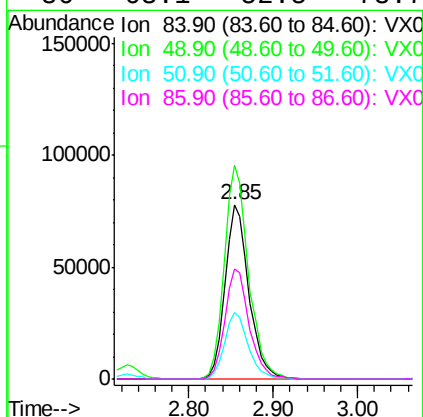
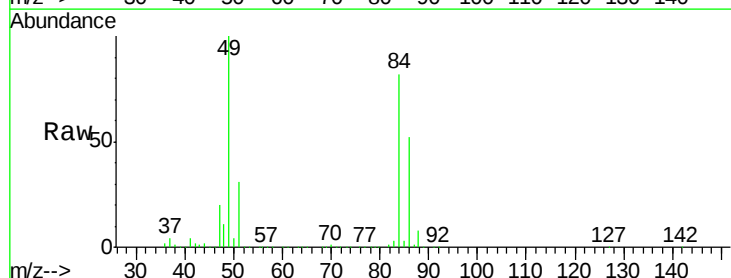
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

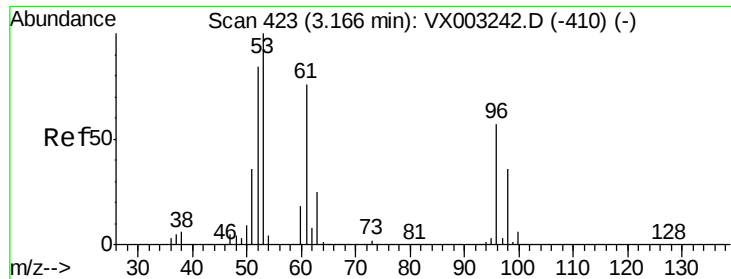
Tot Ion: 73 Resp: 460060
Ion Ratio Lower Upper
73 100
57 21.9 17.7 26.5



#20
Methylene Chloride
Concen: 49.59 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Tgt Ion: 84 Resp: 150845
Ion Ratio Lower Upper
84 100
49 122.3 107.8 161.6
51 37.8 32.8 49.2
86 63.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 45.86 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

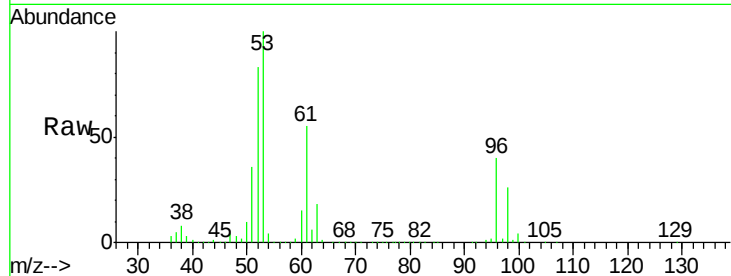
Tot Ion: 96 Resp: 145939

Ion Ratio Lower Upper

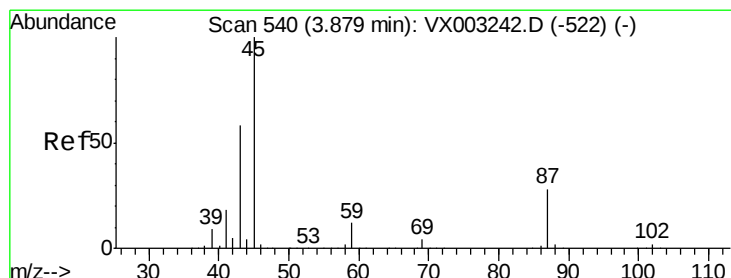
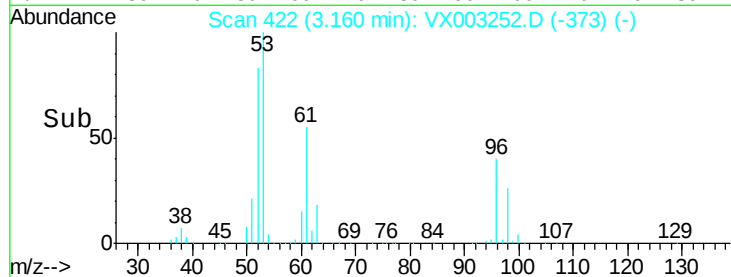
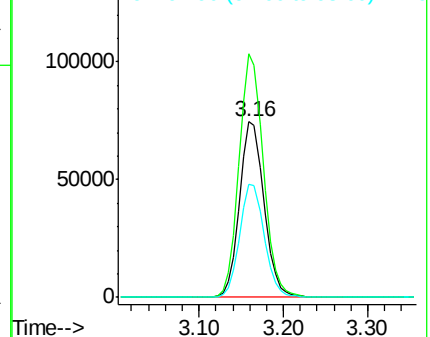
96 100

61 138.7 117.0 175.4

98 64.1 52.4 78.6



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



#22

Diisopropyl ether

Concen: 42.19 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Tgt Ion: 45 Resp: 474573

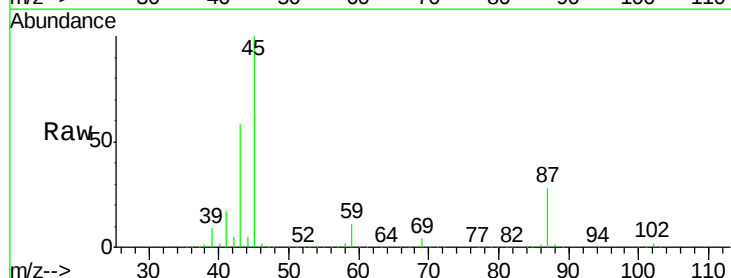
Ion Ratio Lower Upper

45 100

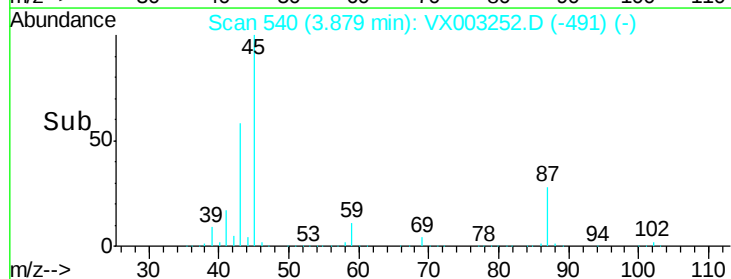
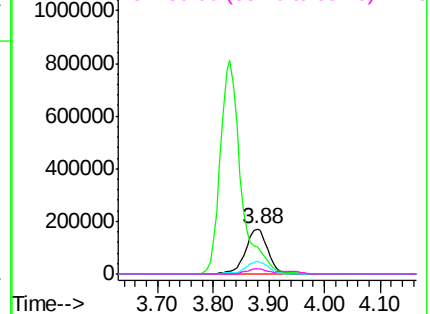
43 58.4 46.8 70.2

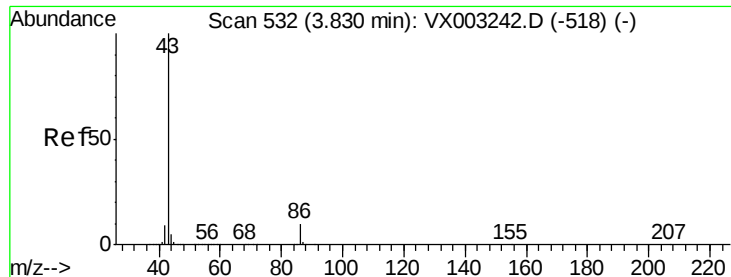
87 27.7 20.2 30.4

59 11.5 8.7 13.1



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





#23

Vinyl Acetate

Concen: 219.01 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

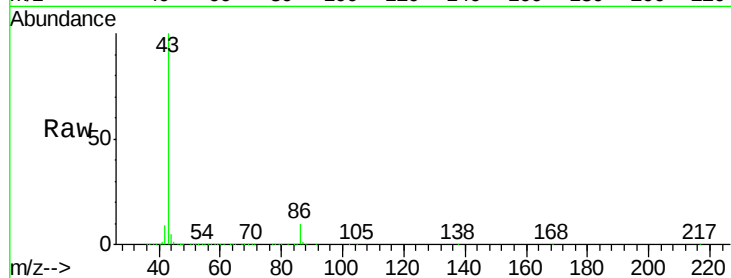
VSTDCCC050

Tot Ion: 43 Resp: 2091637

Ion Ratio Lower Upper

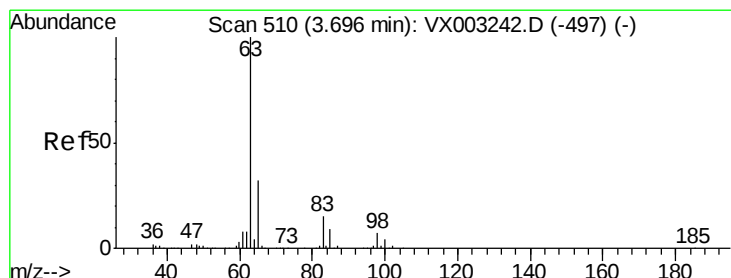
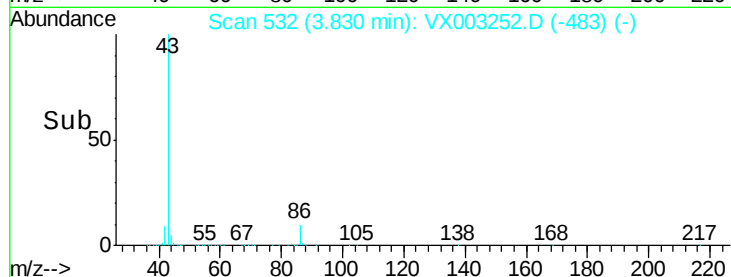
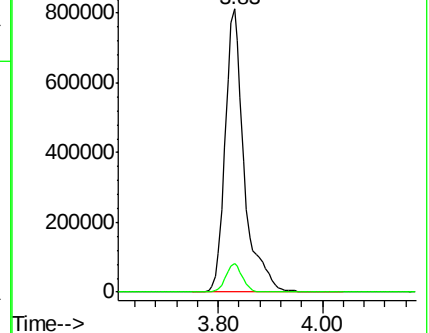
43 100

86 10.4 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 46.12 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

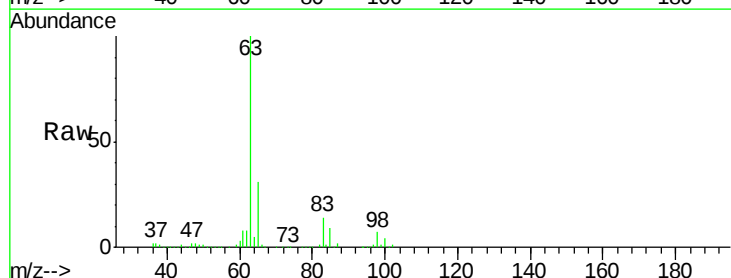
Tgt Ion: 63 Resp: 270025

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

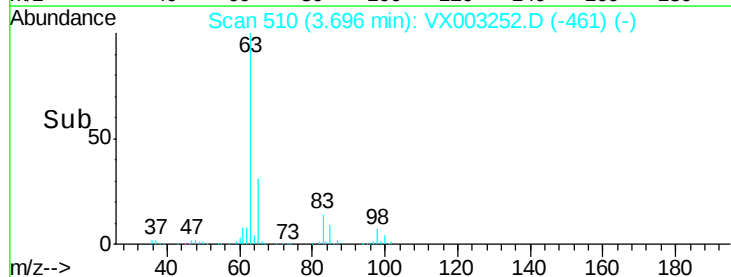
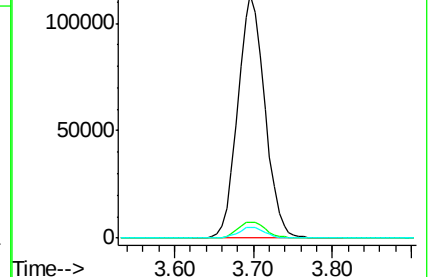
100 4.2 2.0 6.0

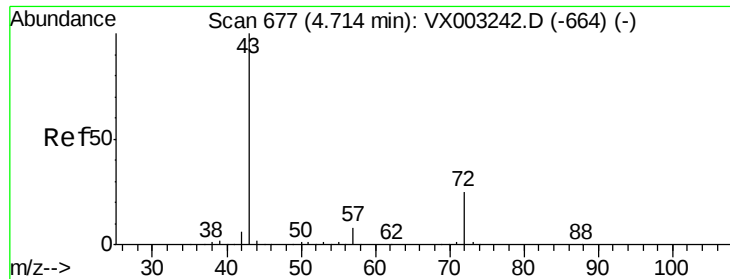


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 245.36 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampled :

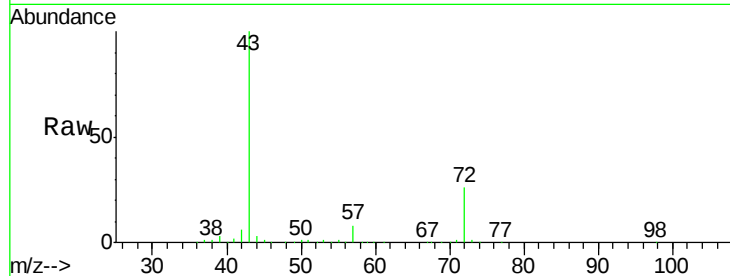
VSTDCCC050

Tot Ion: 43 Resp: 644368

Ion Ratio Lower Upper

43 100

72 26.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

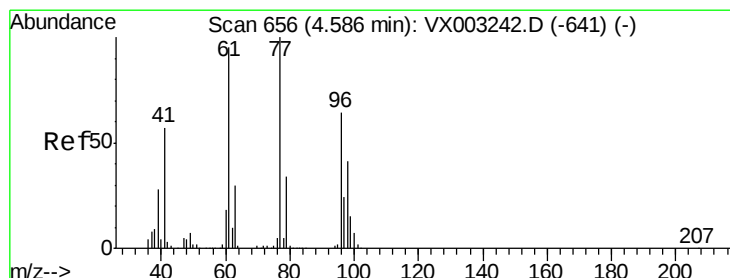
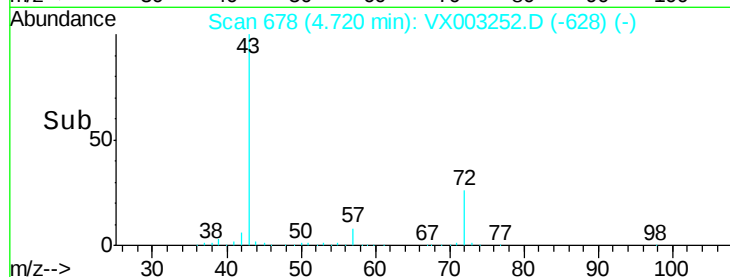
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 44.91 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003252.D

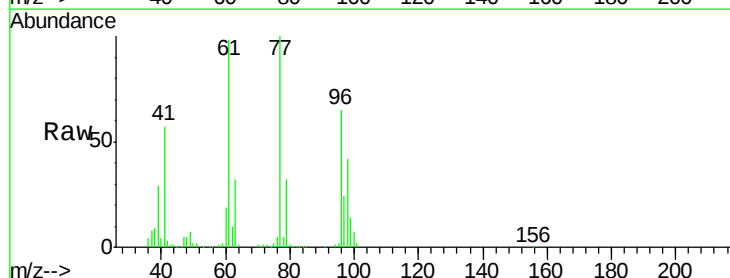
Acq: 09 Jul 2018 18:44

Tgt Ion: 77 Resp: 229968

Ion Ratio Lower Upper

77 100

97 24.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

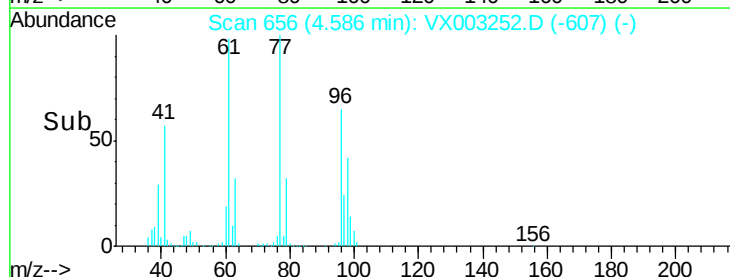
40000

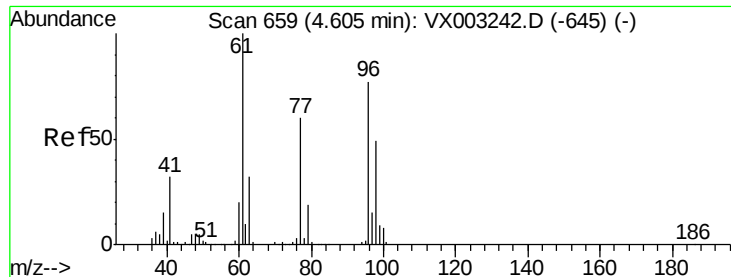
20000

0

4.40 4.50 4.60 4.70

Time-->



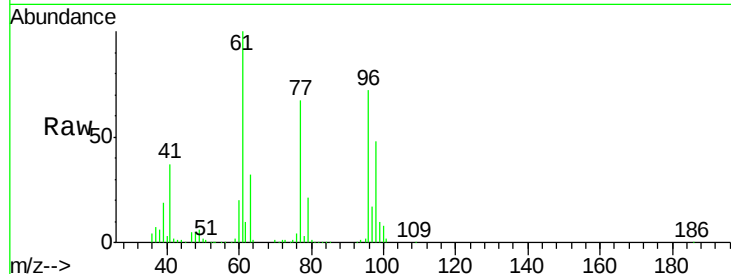


#27

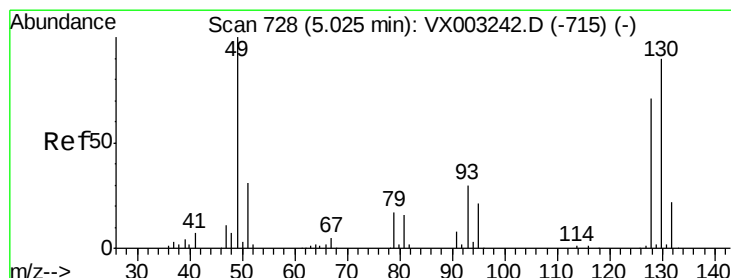
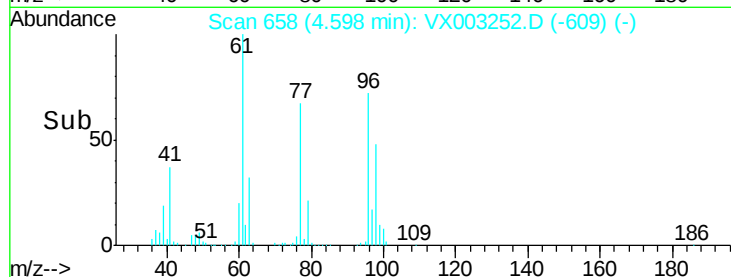
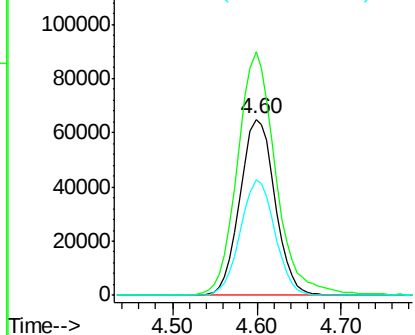
cis-1,2-Dichloroethene
Concen: 46.77 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.1	0.0	330.2
98	64.9	0.0	130.2



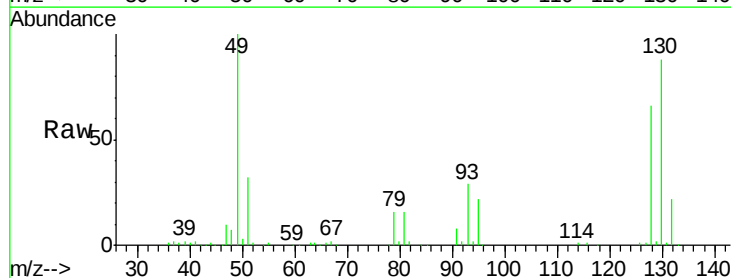
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



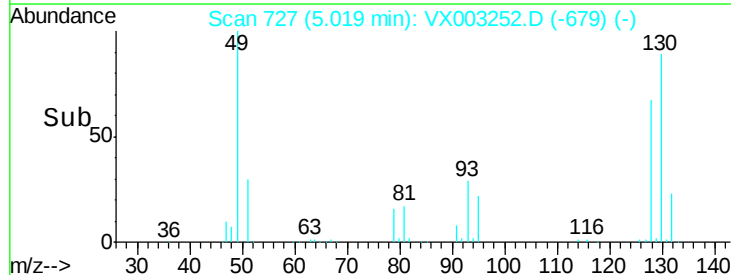
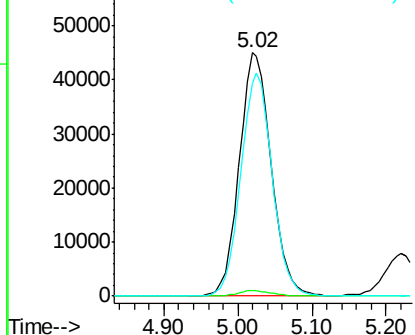
#28

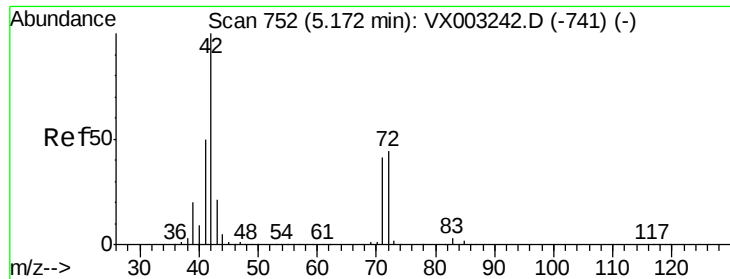
Bromochloromethane
Concen: 46.02 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	89.9	61.2	91.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

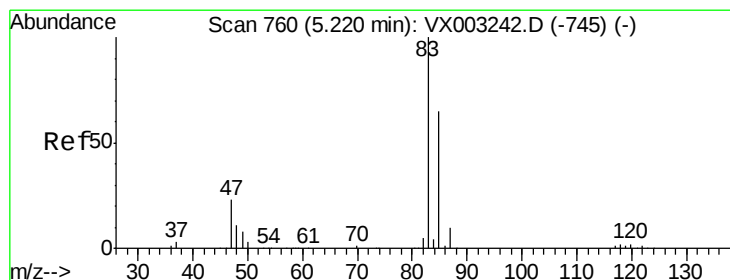
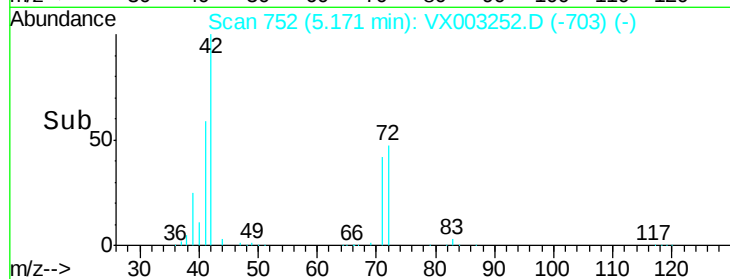
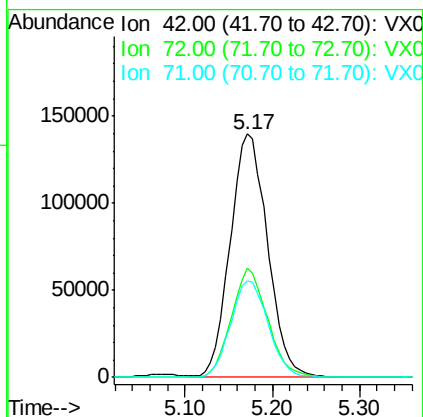
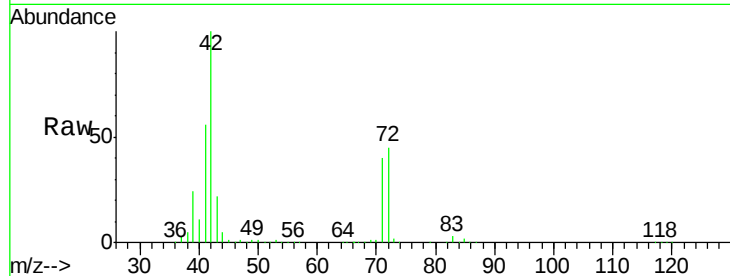




#29
Tetrahydrofuran
Concen: 241.83 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

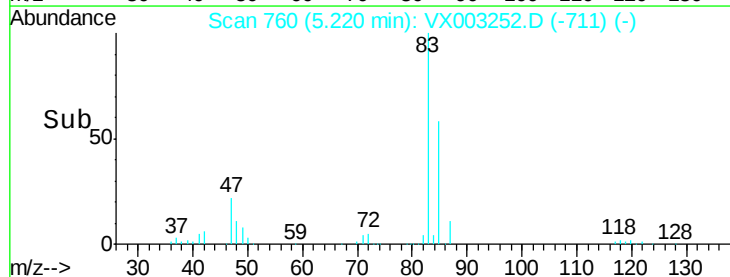
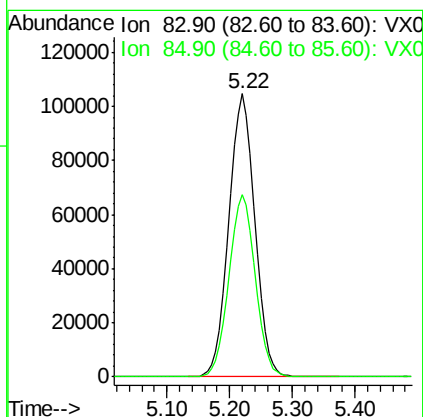
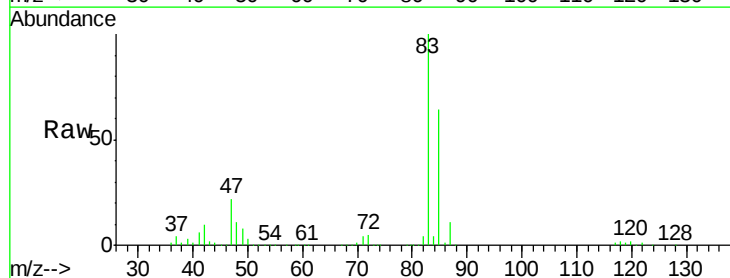
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

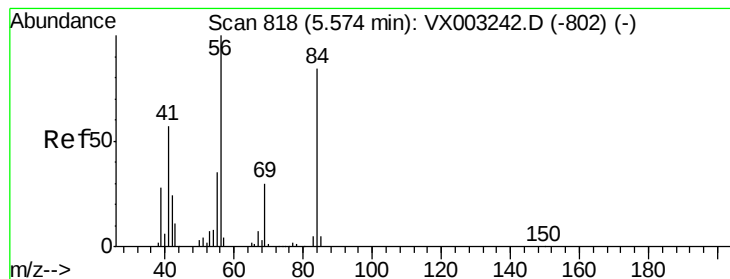
Tot Ion: 42 Resp: 412206
Ion Ratio Lower Upper
42 100
72 43.7 32.0 48.0
71 40.3 30.1 45.1



#30
Chloroform
Concen: 46.70 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Tgt Ion: 83 Resp: 300751
Ion Ratio Lower Upper
83 100
85 64.3 50.4 75.6





#31

Cyclohexane

Concen: 47.55 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

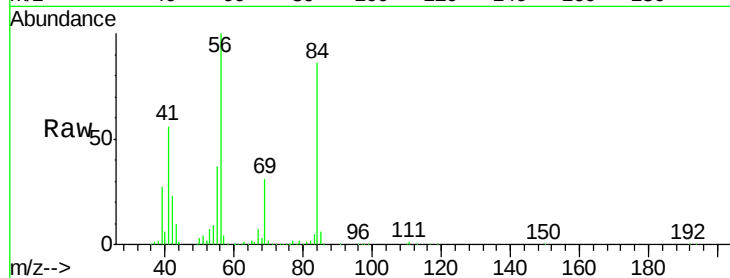
Tot Ion: 56 Resp: 260697

Ion Ratio Lower Upper

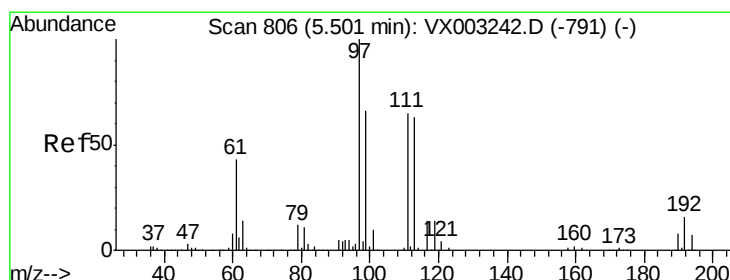
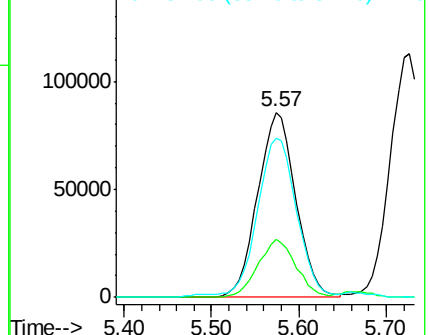
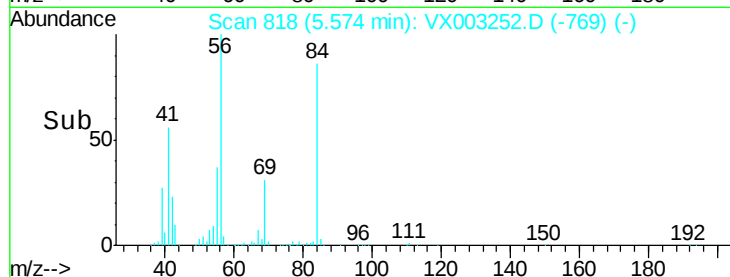
56 100

69 31.2 23.7 35.5

84 85.2 64.1 96.1



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: 47.90 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

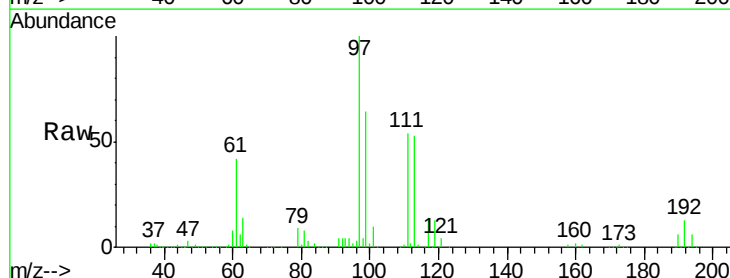
Tgt Ion: 97 Resp: 272145

Ion Ratio Lower Upper

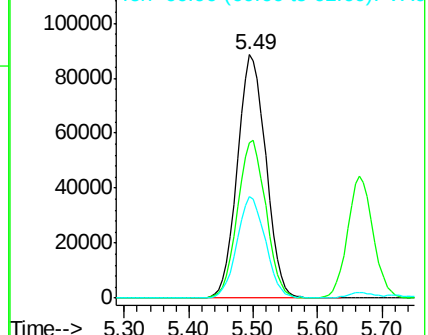
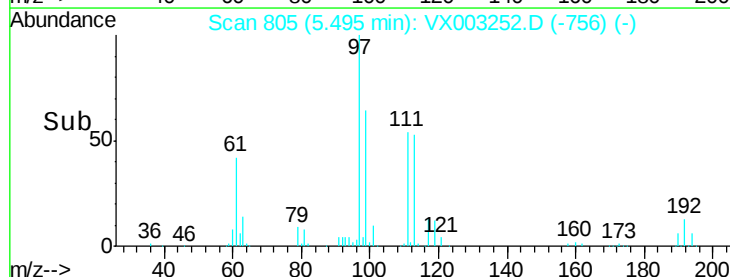
97 100

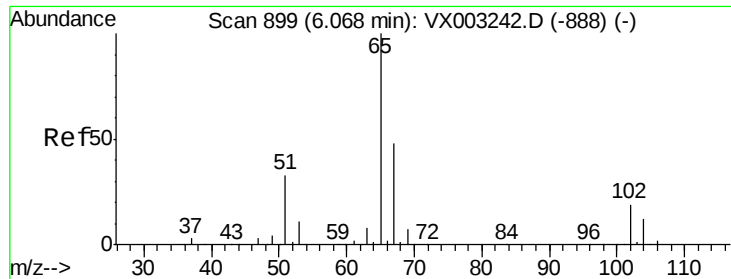
99 64.5 51.6 77.4

61 41.6 36.4 54.6



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

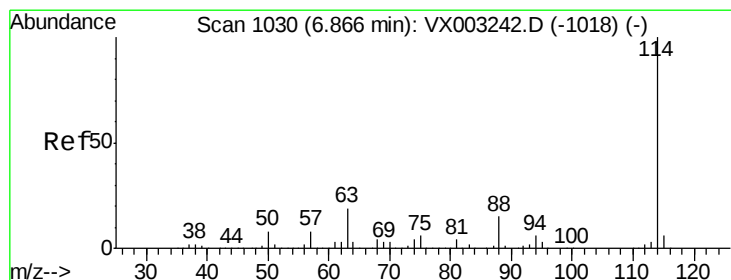
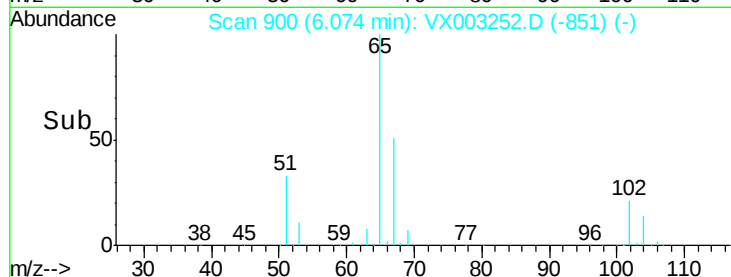
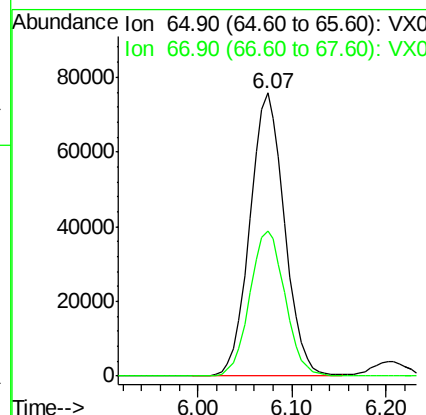
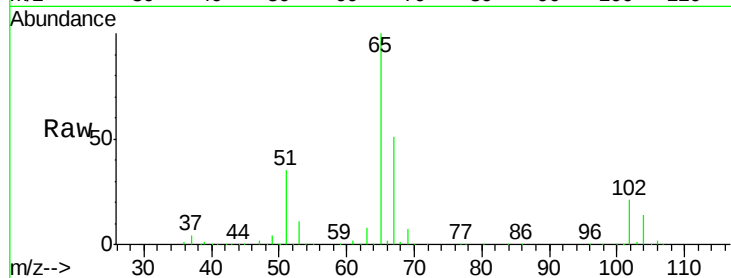




#33
 1,2-Dichloroethane-d4
 Concen: 46.70 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003252.D
 Acq: 09 Jul 2018 18:44

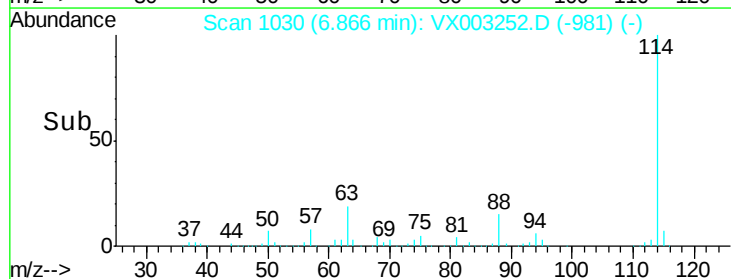
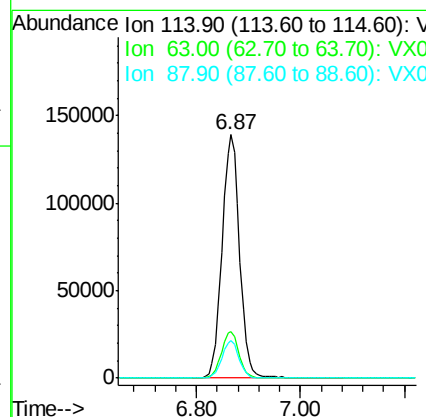
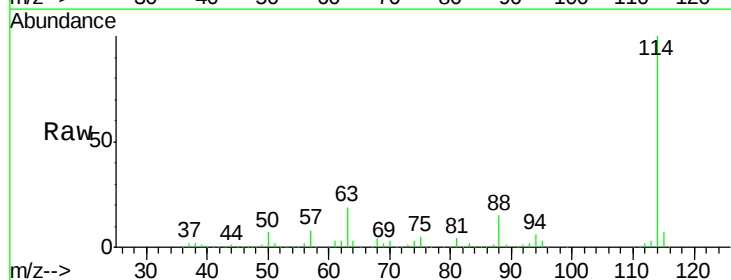
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

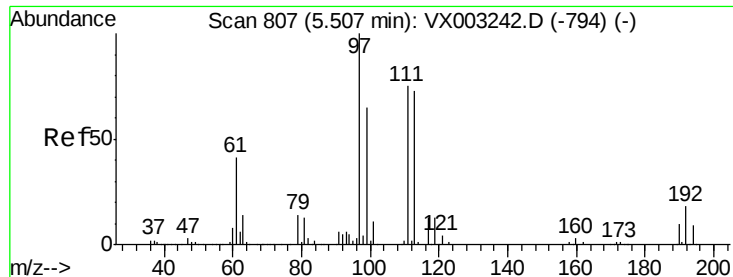
Tot Ion: 65 Resp: 195223
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003252.D
 Acq: 09 Jul 2018 18:44

Tgt Ion: 114 Resp: 328762
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 41.4
 88 15.3 0.0 30.0

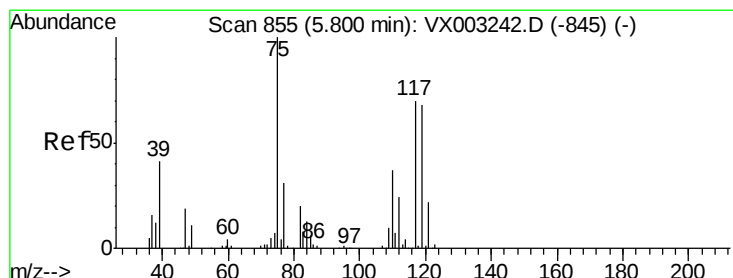
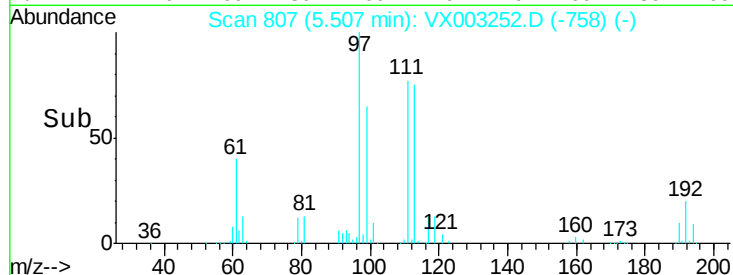
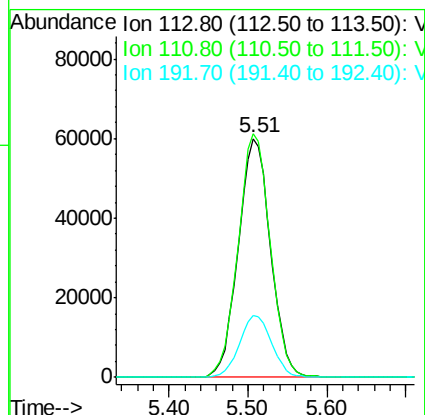
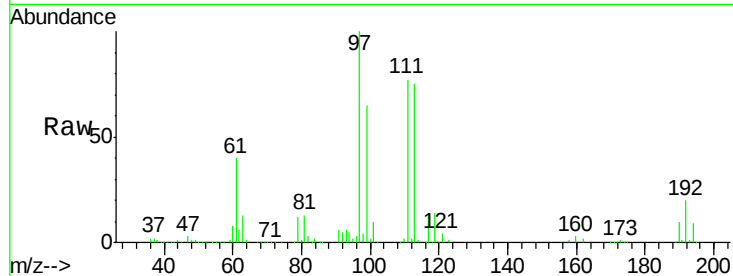




#35
 Dibromofluoromethane
 Concen: 48.26 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003252.D
 Acq: 09 Jul 2018 18:44

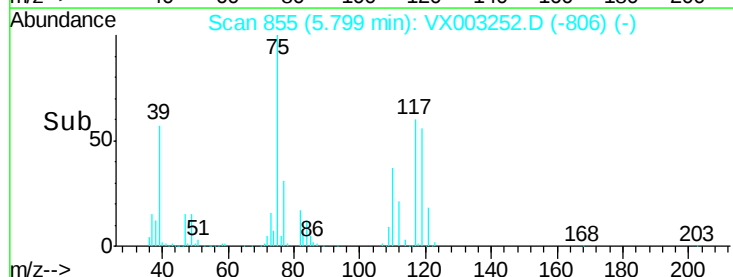
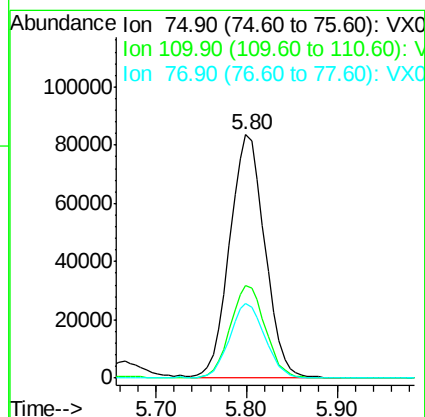
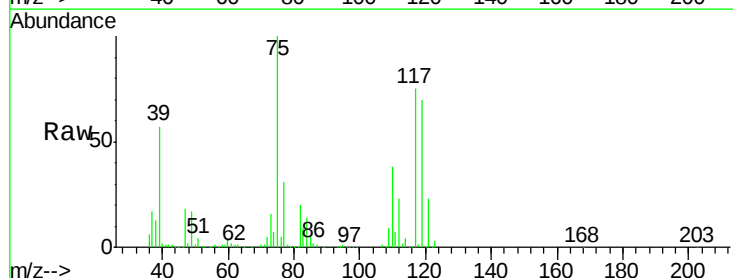
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

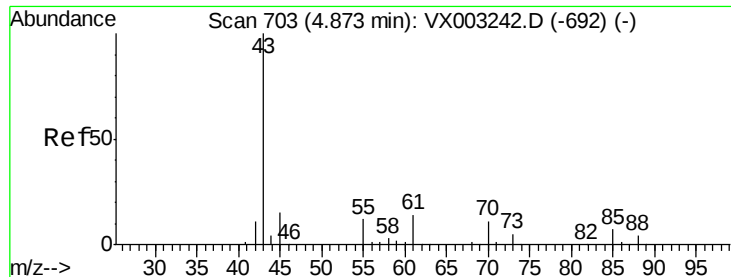
Tot Ion:113 Resp: 170464
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.4 122.0
 192 26.0 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 48.22 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX003252.D
 Acq: 09 Jul 2018 18:44

Tgt Ion: 75 Resp: 224433
 Ion Ratio Lower Upper
 75 100
 110 38.3 18.1 54.4
 77 30.6 24.3 36.5

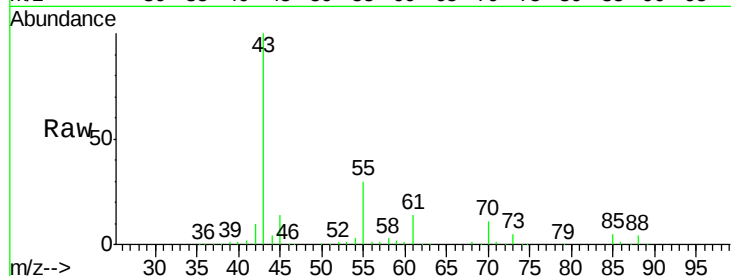




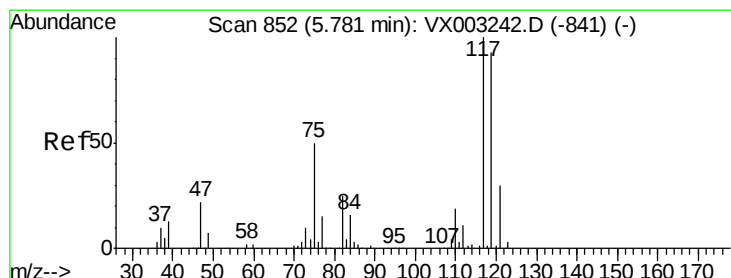
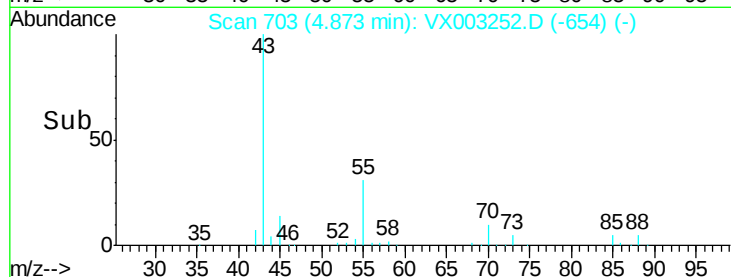
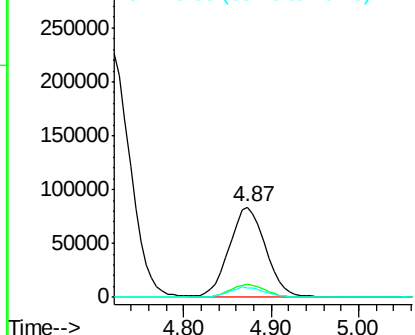
#37
Ethyl Acetate
Concen: 47.44 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 242058
Ion Ratio Lower Upper
43 100
61 13.9 10.4 15.6
70 10.9 7.6 11.4

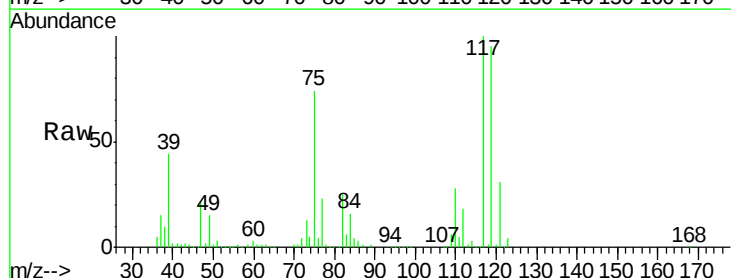


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

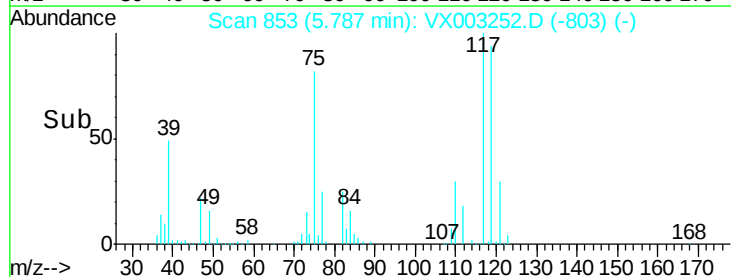
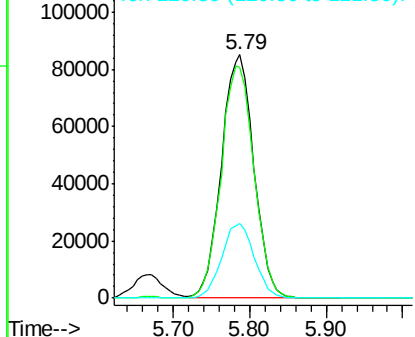


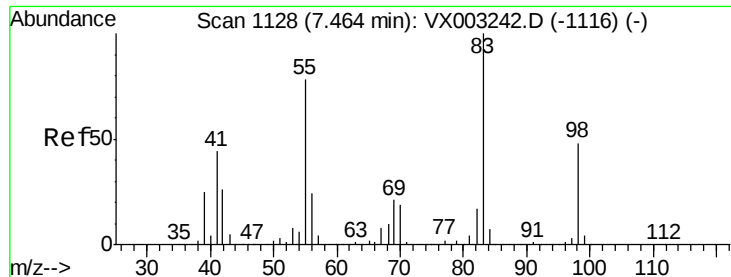
#38
Carbon Tetrachloride
Concen: 48.99 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Tgt Ion: 117 Resp: 249427
Ion Ratio Lower Upper
117 100
119 94.8 77.4 116.0
121 30.5 24.4 36.6



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

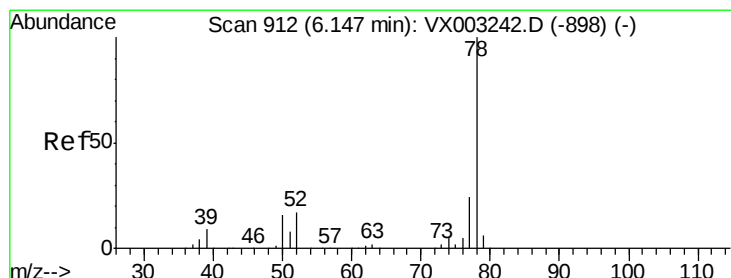
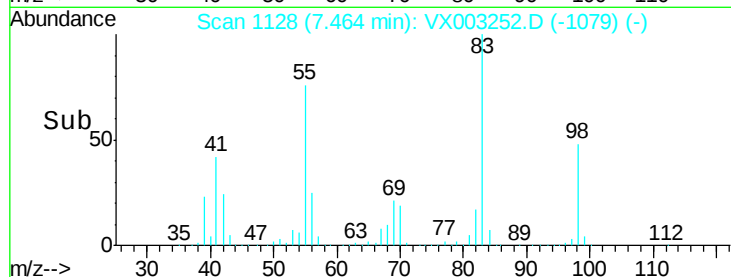
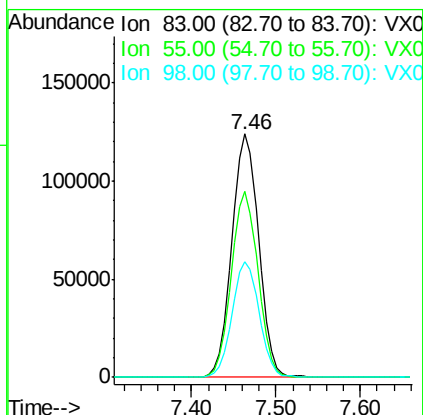
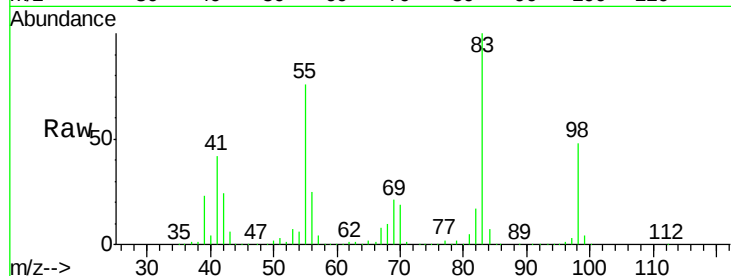




#39
Methvlcvclohexane
Concen: 48.80 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

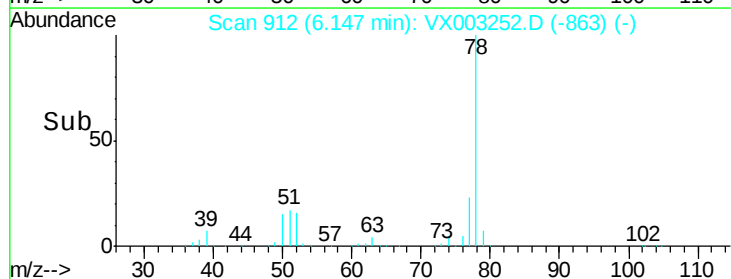
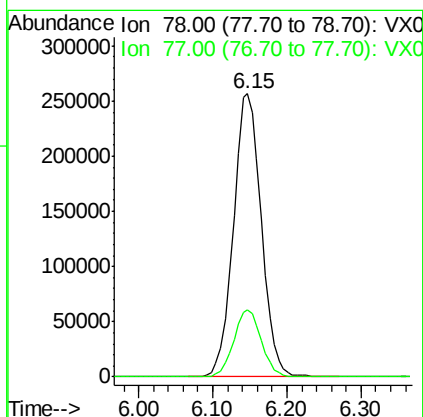
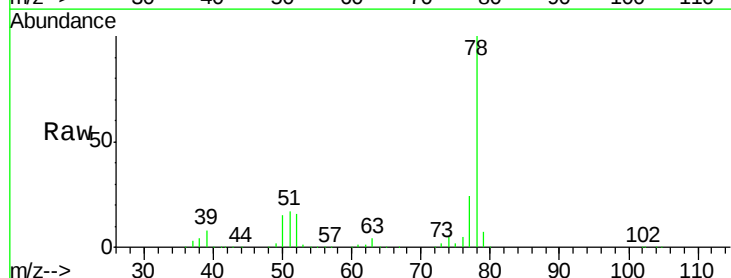
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

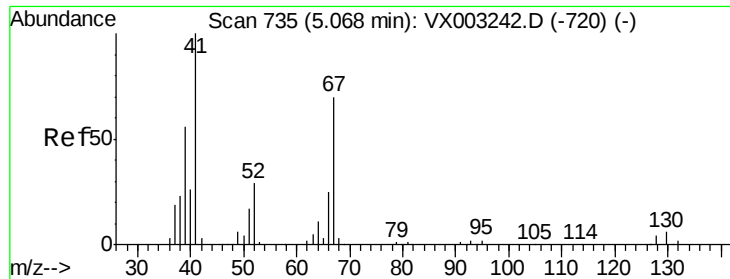
Tot Ion: 83 Resp: 267562
Ion Ratio Lower Upper
83 100
55 76.2 65.4 98.0
98 47.7 37.4 56.0



#40
Benzene
Concen: 48.75 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Tgt Ion: 78 Resp: 672406
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

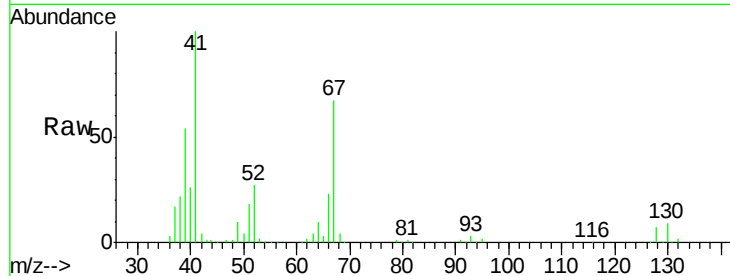




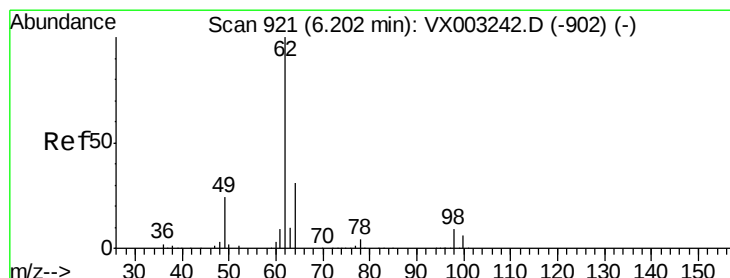
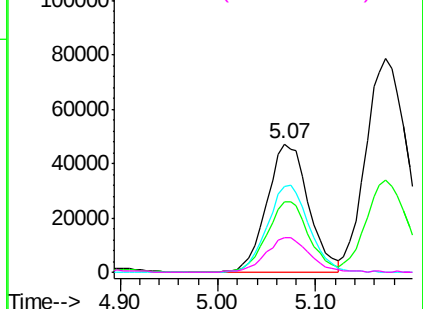
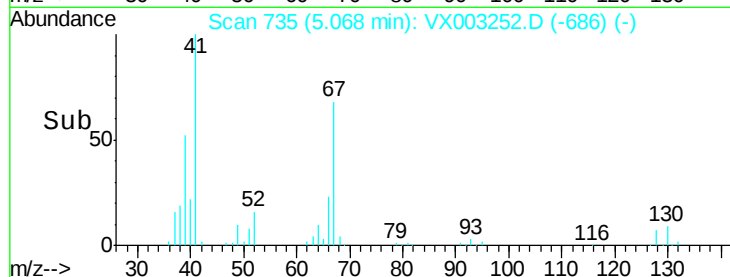
#41
Methacrylonitrile
Concen: 49.93 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	139459
Ion	Ratio	Lower	Upper
41	100		
39	54.7	45.8	68.6
67	68.5	51.3	76.9
52	29.2	23.0	34.6

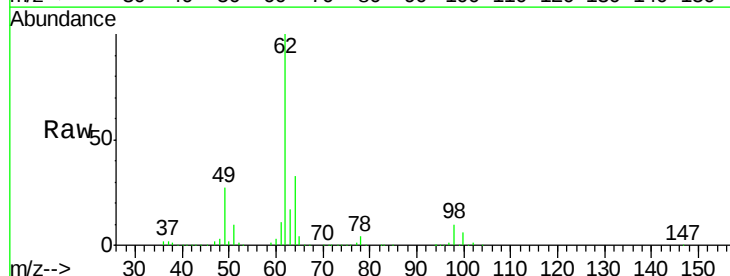


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

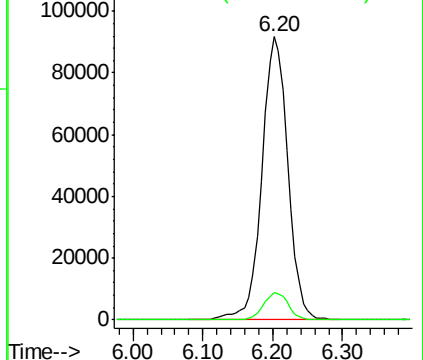
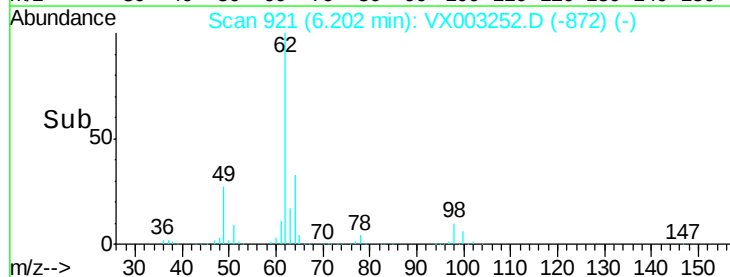


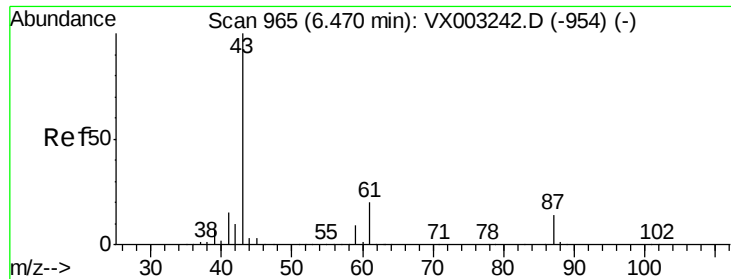
#42
1,2-Dichloroethane
Concen: 46.06 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Tgt Ion:	62	Resp:	237336
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	16.6



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



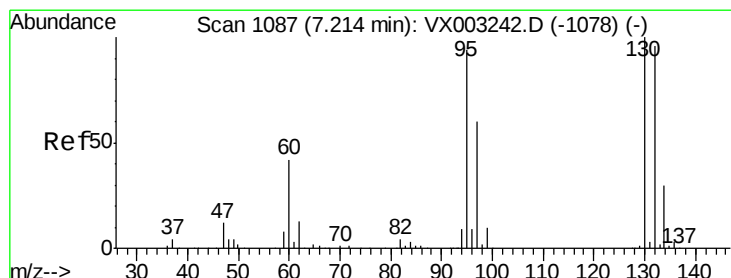
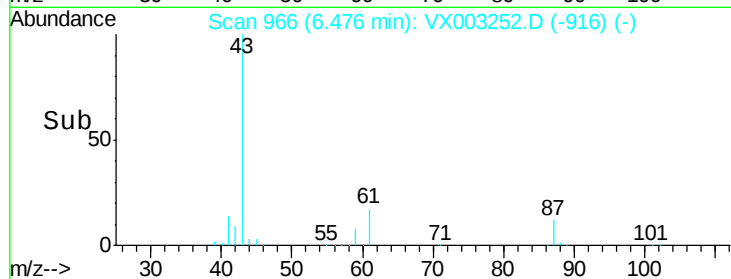
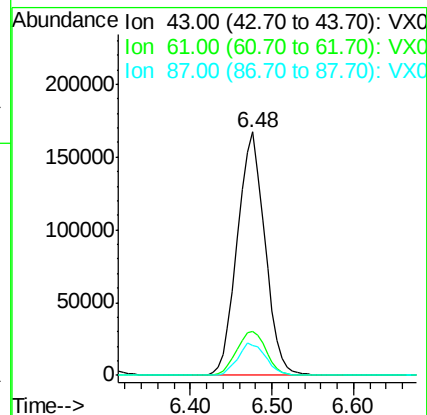
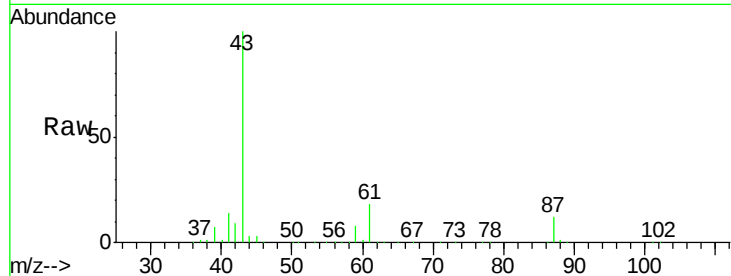


#43

Isopropyl Acetate
 Concen: 48.70 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX003252.D
 Acq: 09 Jul 2018 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

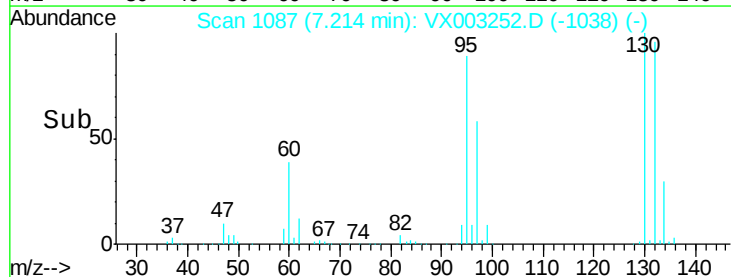
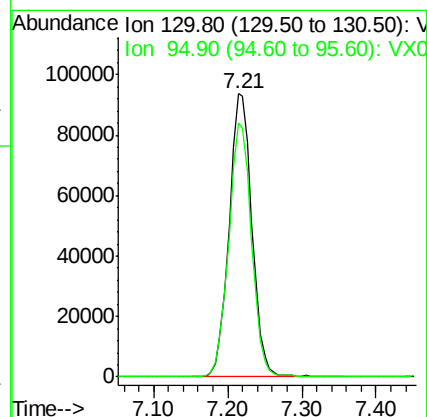
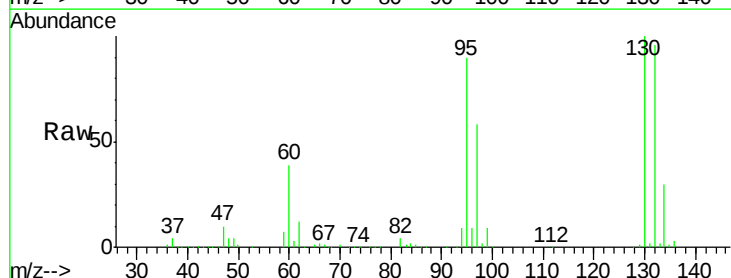
Tot Ion: 43 Resp: 390159
 Ion Ratio Lower Upper
 43 100
 61 19.5 14.4 21.6
 87 13.5 9.5 14.3

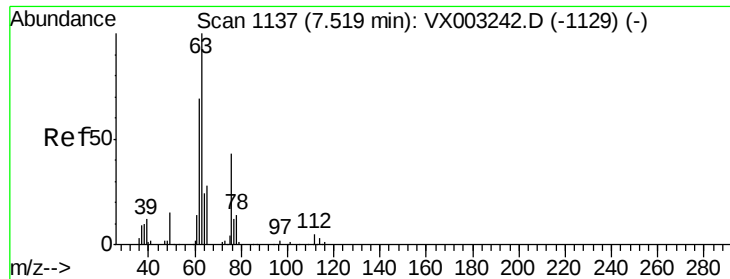


#44

Trichloroethene
 Concen: 49.18 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003252.D
 Acq: 09 Jul 2018 18:44

Tgt Ion: 130 Resp: 200591
 Ion Ratio Lower Upper
 130 100
 95 89.6 0.0 185.4





#45

1,2-Dichloropropane

Concen: 46.80 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

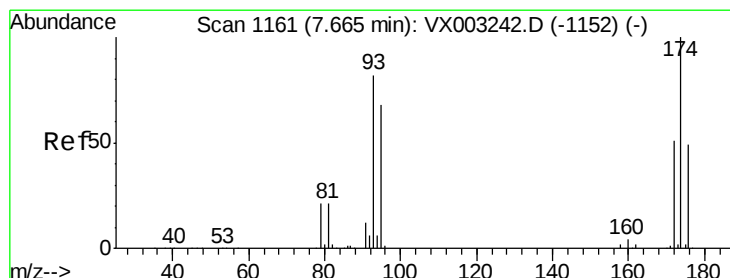
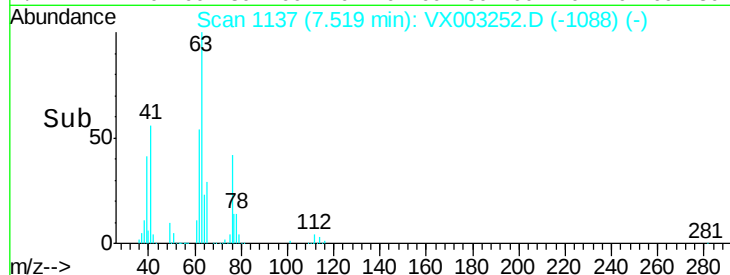
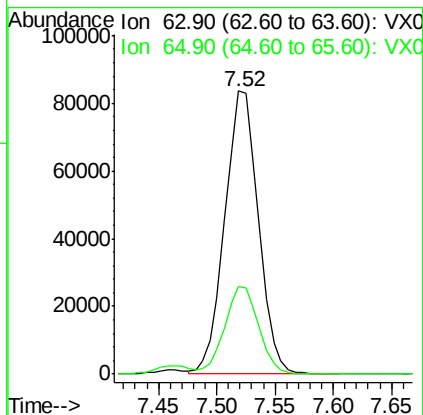
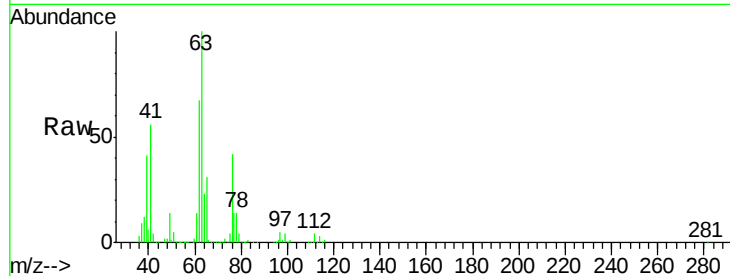
VSTDCCC050

Tot Ion: 63 Resp: 167807

Ion Ratio Lower Upper

63 100

65 30.7 24.7 37.1



#46

Dibromomethane

Concen: 47.71 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

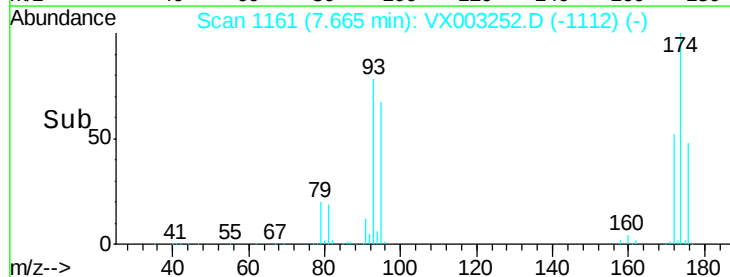
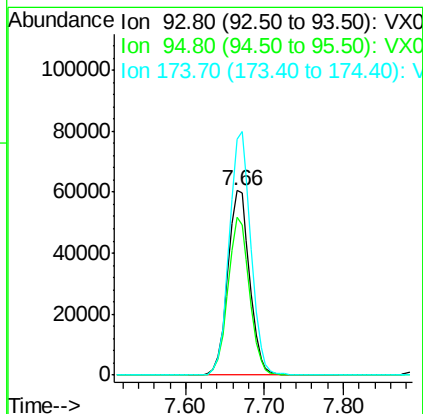
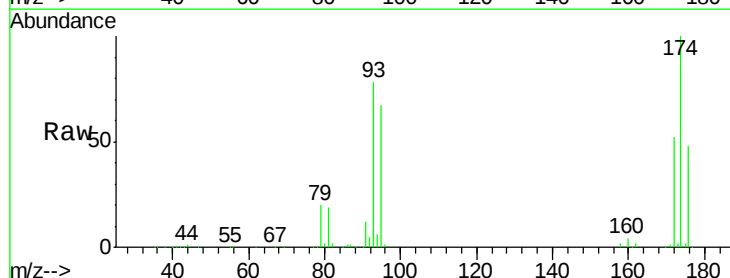
Tgt Ion: 93 Resp: 116611

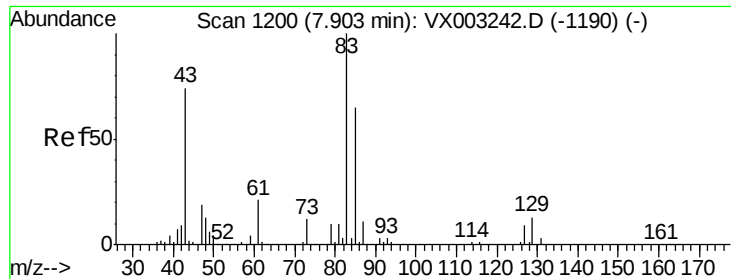
Ion Ratio Lower Upper

93 100

95 83.9 65.9 98.9

174 130.3 92.4 138.6





#47

Bromodichloromethane

Concen: 48.69 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

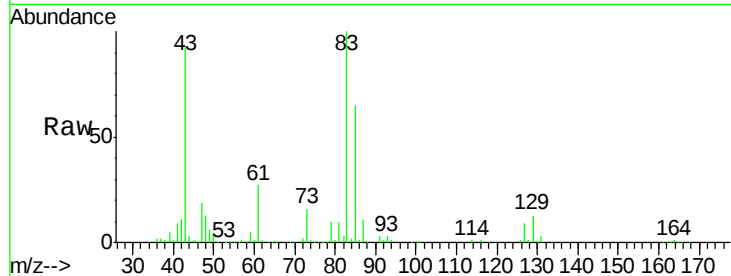
Tot Ion: 83 Resp: 219552

Ion Ratio Lower Upper

83 100

85 65.0 50.3 75.5

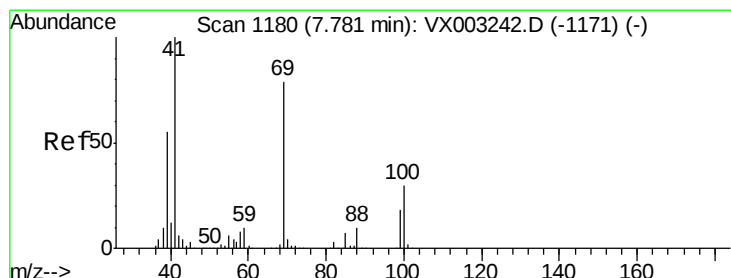
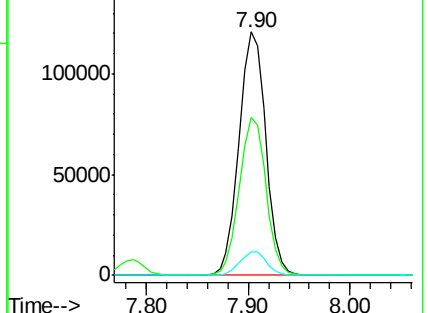
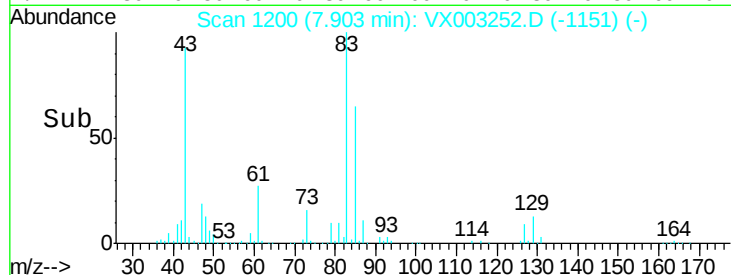
127 9.4 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.19 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

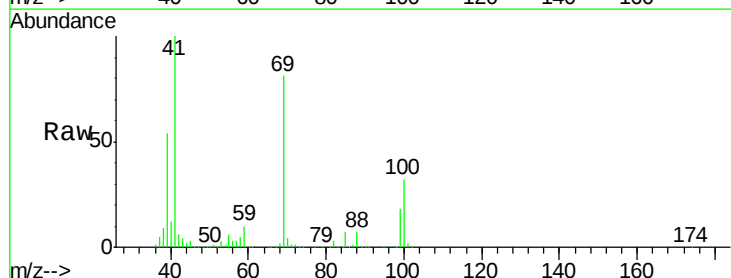
Tgt Ion: 41 Resp: 206224

Ion Ratio Lower Upper

41 100

69 80.4 59.1 88.7

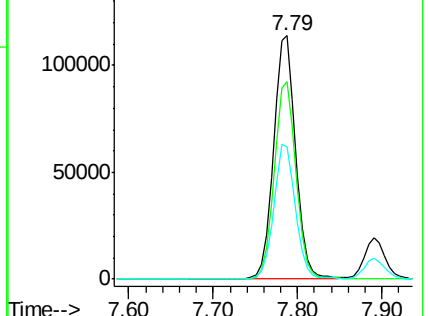
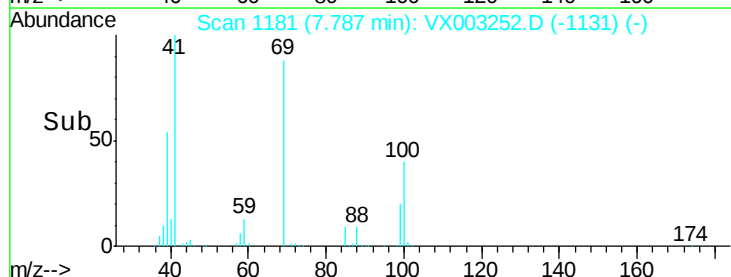
39 54.2 48.9 73.3

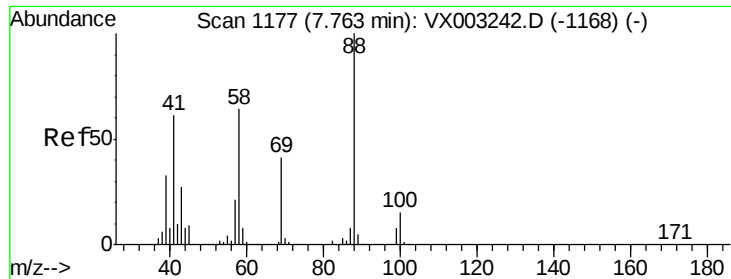


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1044.18 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

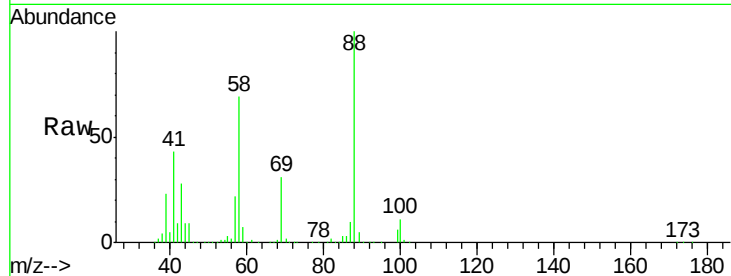
Tot Ion: 88 Resp: 89713

Ion Ratio Lower Upper

88 100

43 31.7 29.8 44.6

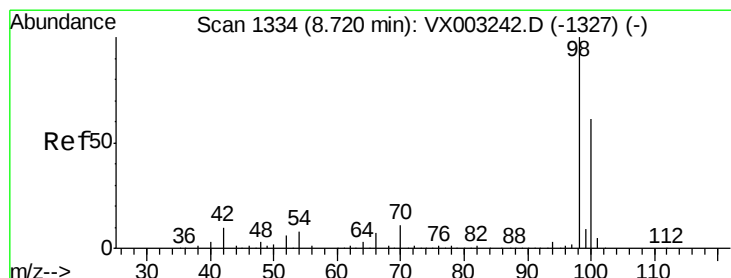
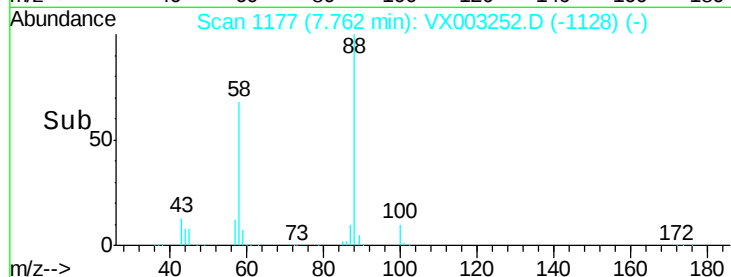
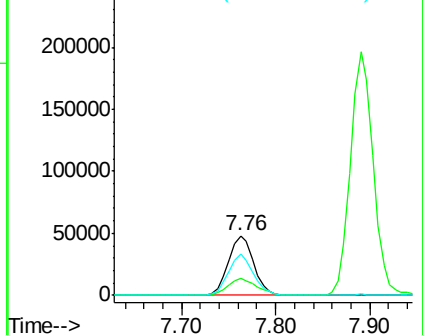
58 69.2 57.1 85.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.69 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003252.D

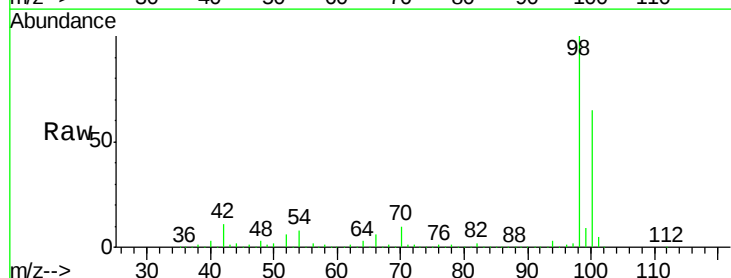
Acq: 09 Jul 2018 18:44

Tgt Ion: 98 Resp: 623415

Ion Ratio Lower Upper

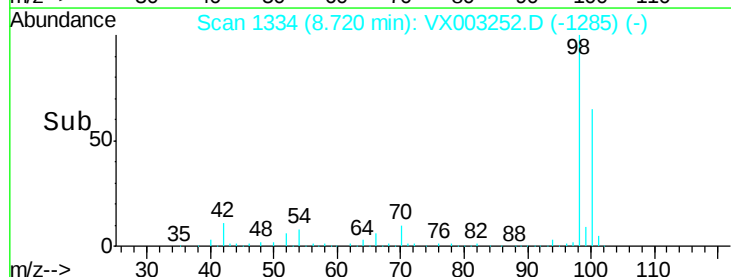
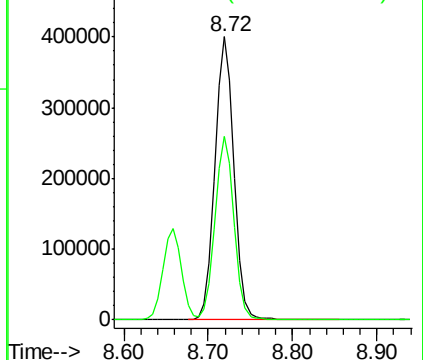
98 100

100 64.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 253.18 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

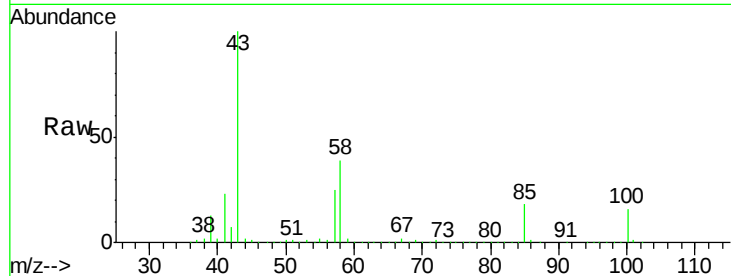
VSTDCCC050

Tot Ion: 43 Resp: 1262855

Ion Ratio Lower Upper

43 100

58 38.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

800000

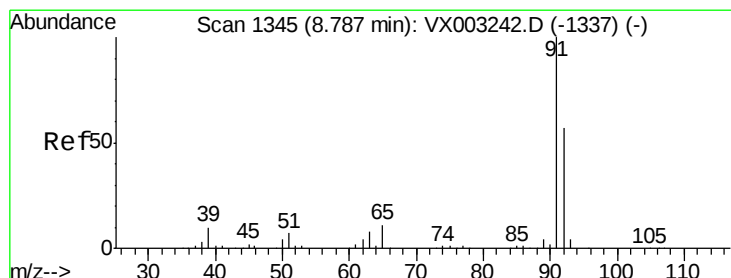
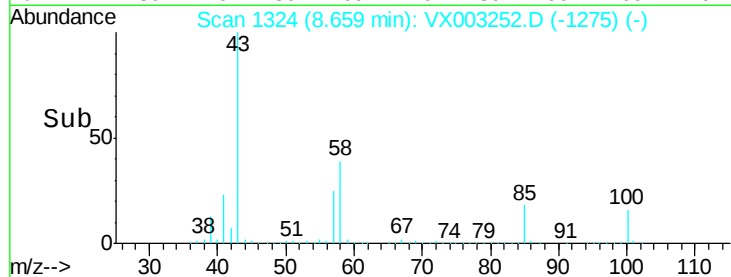
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.09 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003252.D

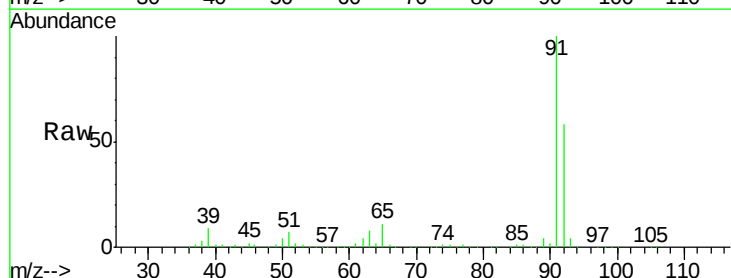
Acq: 09 Jul 2018 18:44

Tgt Ion: 92 Resp: 427957

Ion Ratio Lower Upper

92 100

91 174.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

500000

400000

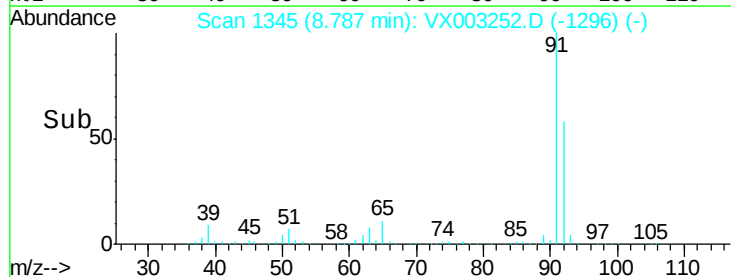
300000

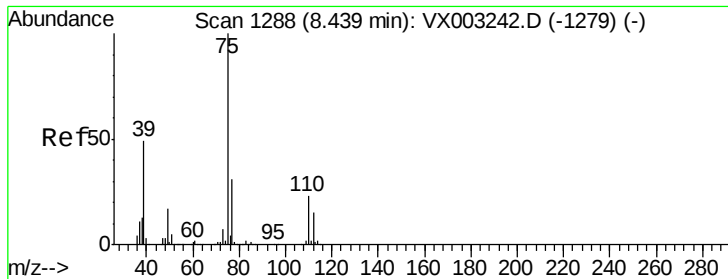
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.53 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

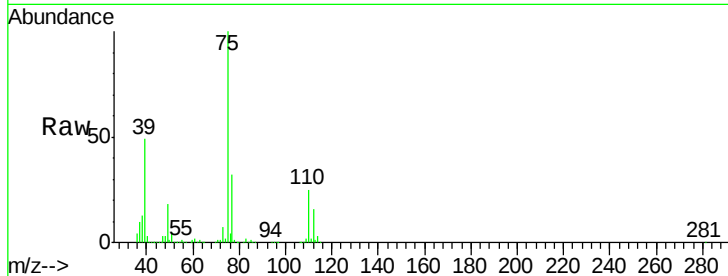
VSTDCCC050

Tot Ion: 75 Resp: 262819

Ion Ratio Lower Upper

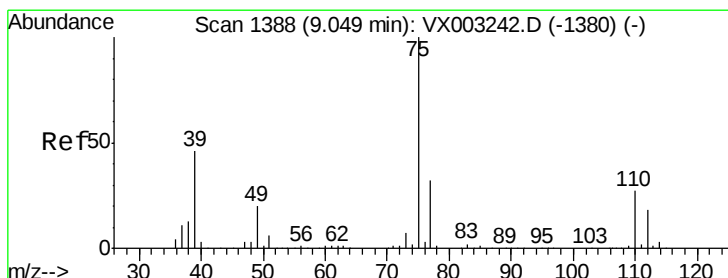
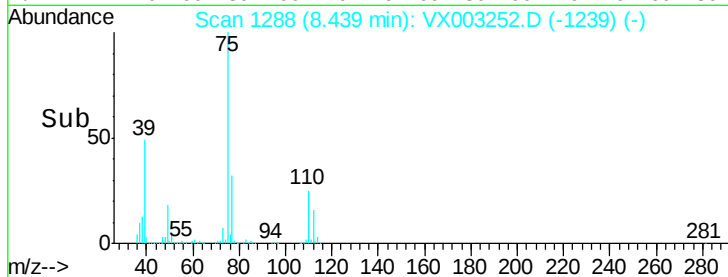
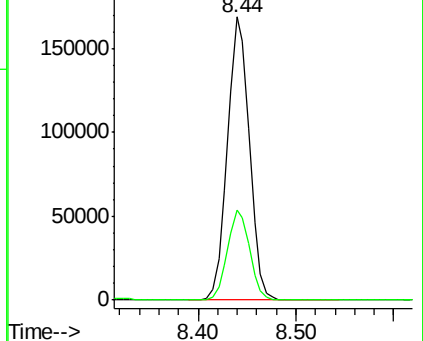
75 100

77 31.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 49.91 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

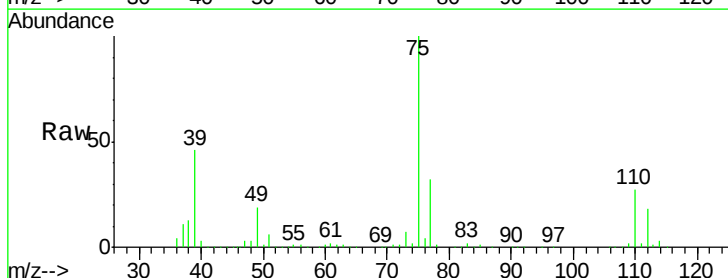
Tgt Ion: 75 Resp: 241039

Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2

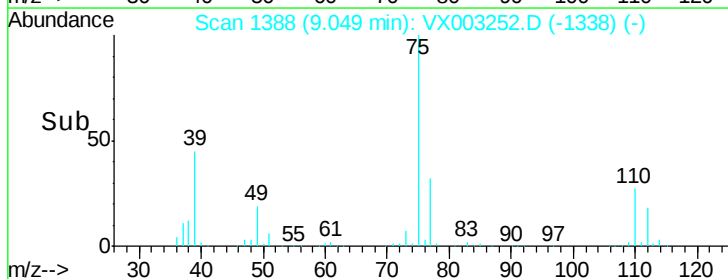
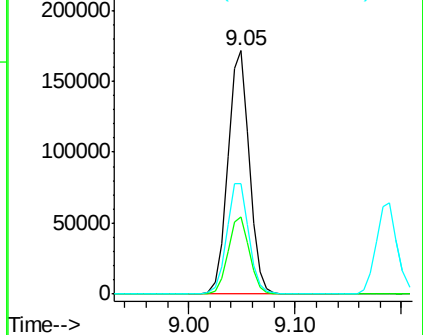
39 45.4 42.4 63.6

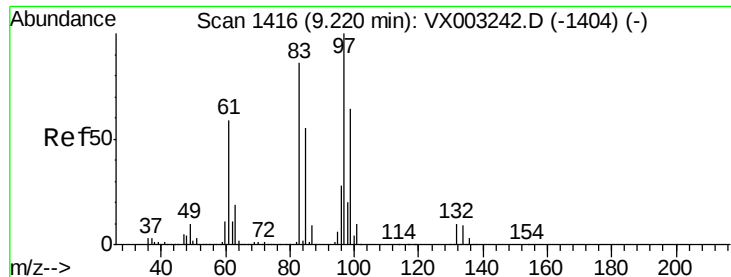


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

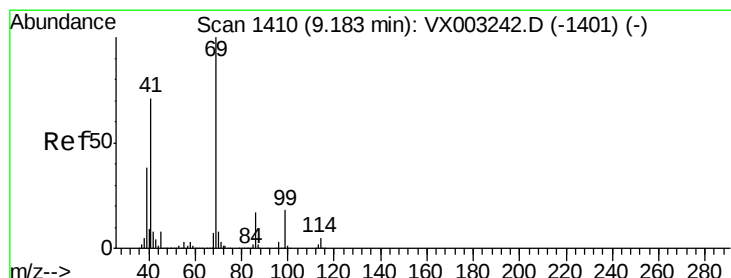
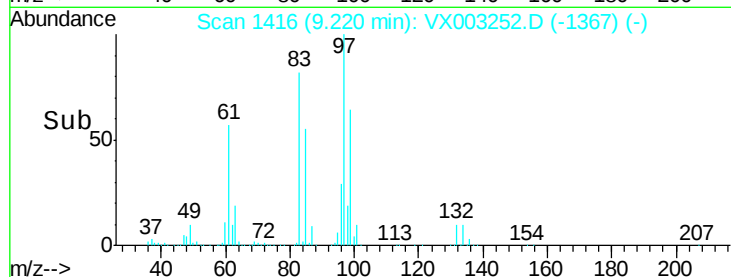
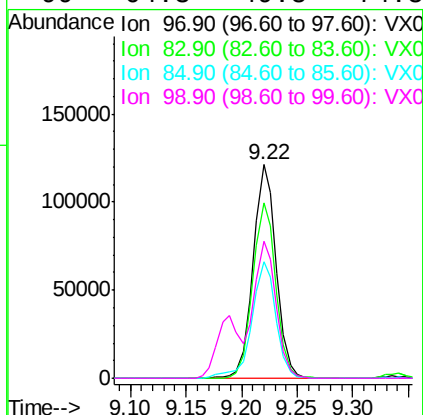
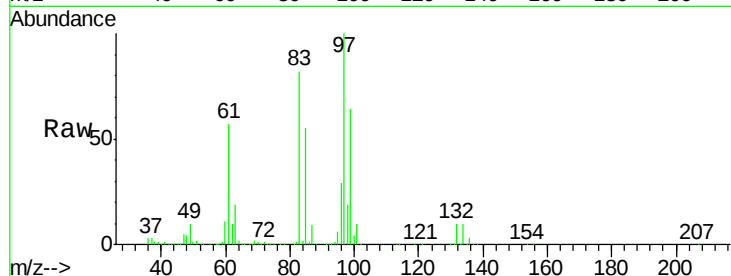




#55
 1,1,2-Trichloroethane
 Concen: 48.39 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003252.D
 Acq: 09 Jul 2018 18:44

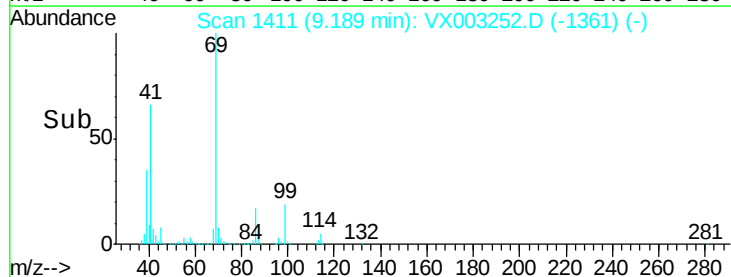
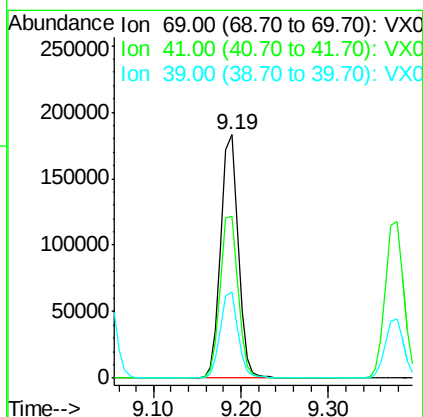
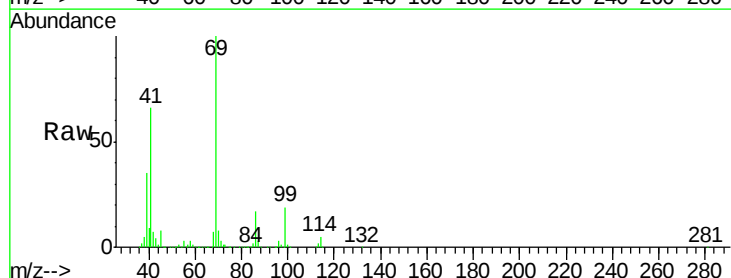
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

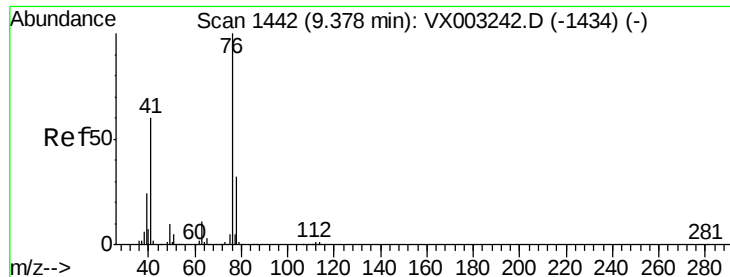
Tot Ion:	97	Resp:	175004
Ion	Ratio	Lower	Upper
97	100		
83	82.2	70.2	105.2
85	54.6	44.9	67.3
99	64.3	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 51.10 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003252.D
 Acq: 09 Jul 2018 18:44

Tgt Ion:	69	Resp:	253130
Ion	Ratio	Lower	Upper
69	100		
41	67.9	60.3	90.5
39	35.6	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 48.21 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

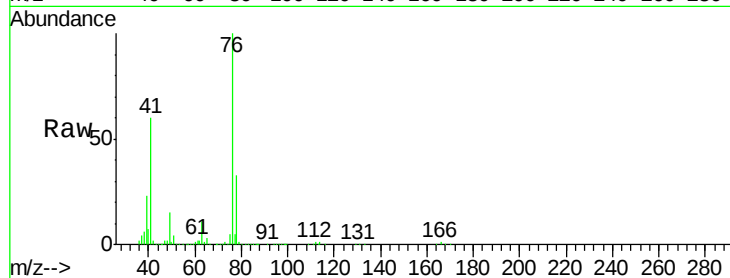
VSTDCCC050

Tot Ion: 76 Resp: 280876

Ion Ratio Lower Upper

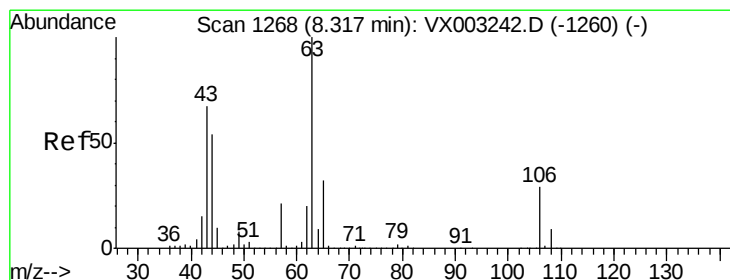
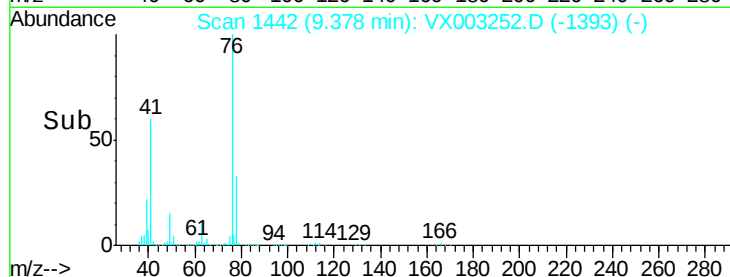
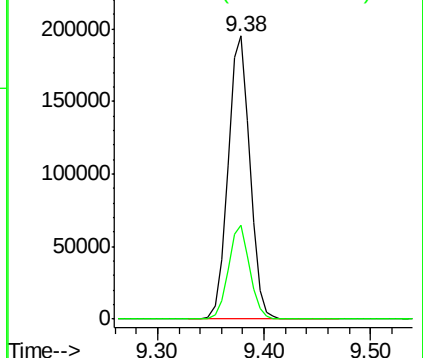
76 100

78 32.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 265.81 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003252.D

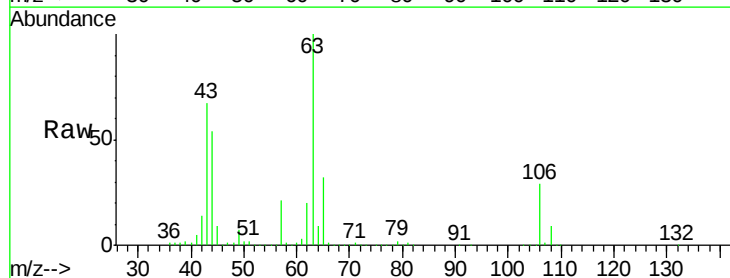
Acq: 09 Jul 2018 18:44

Tgt Ion: 63 Resp: 635193

Ion Ratio Lower Upper

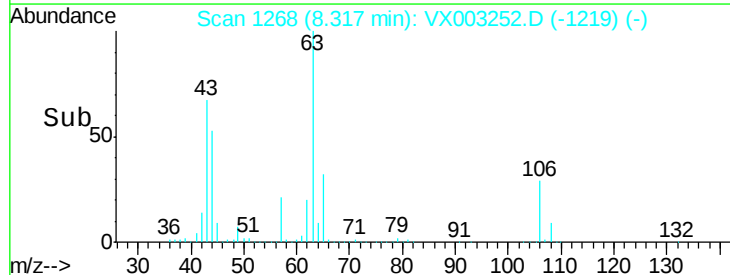
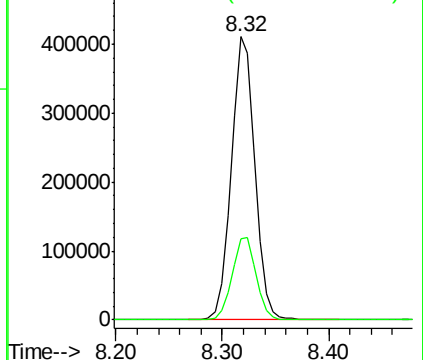
63 100

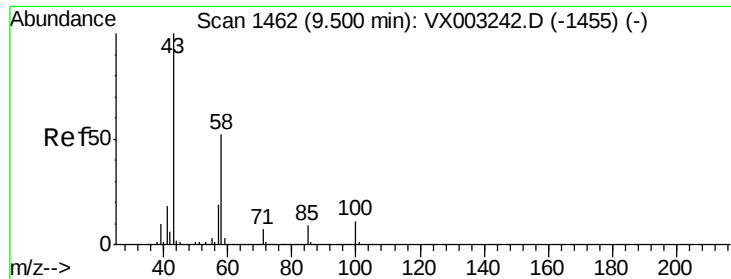
106 29.7 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

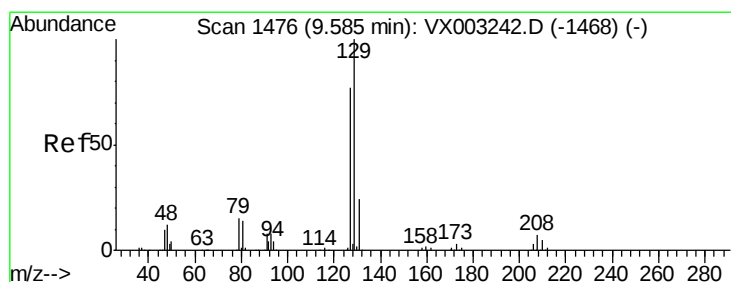
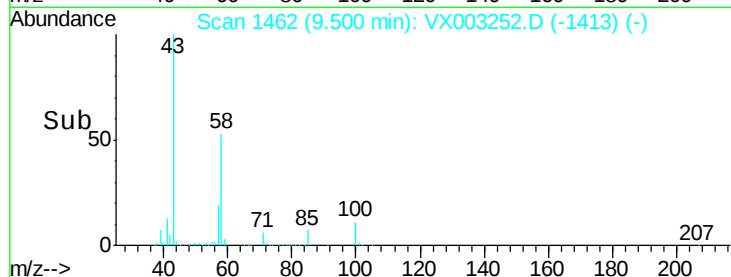
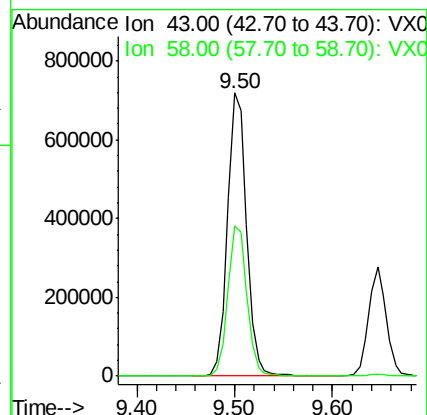
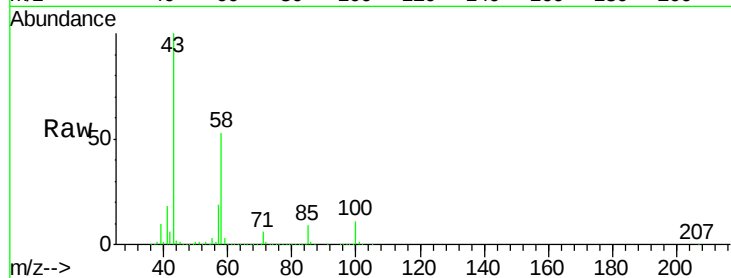




#59
2-Hexanone
Concen: 256.60 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

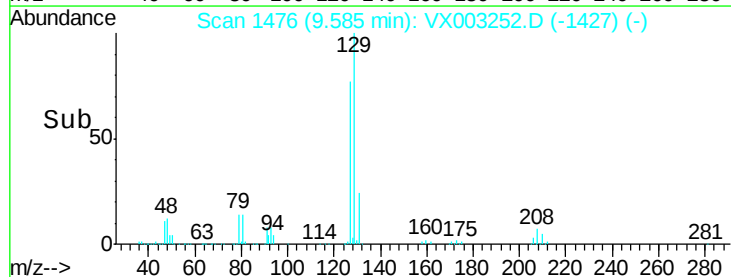
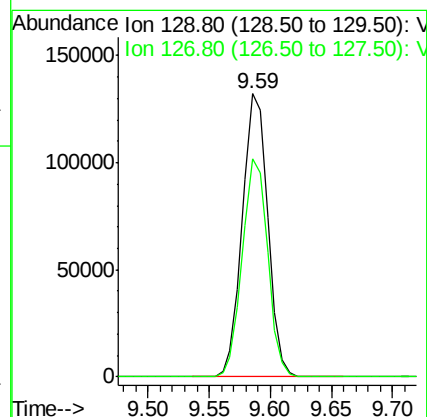
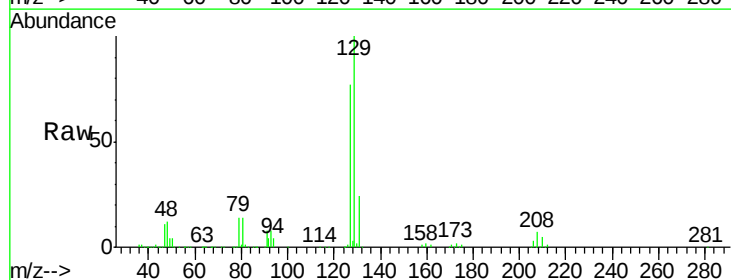
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

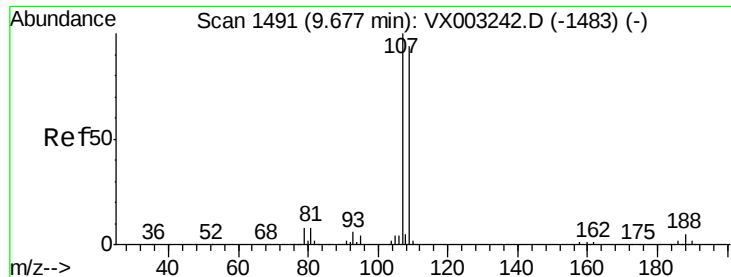
Tot Ion: 43 Resp: 972140
Ion Ratio Lower Upper
43 100
58 53.4 24.6 73.6



#60
Dibromochloromethane
Concen: 50.44 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Tgt Ion: 129 Resp: 190474
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 48.94 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

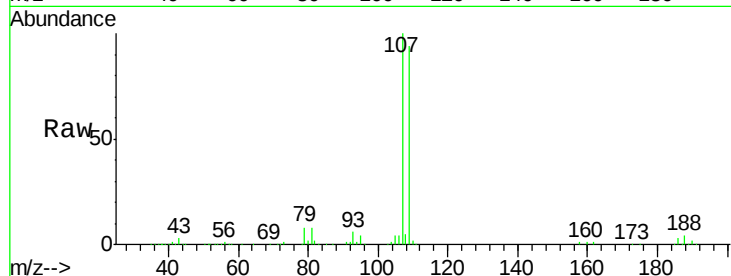
VSTDCCC050

Tot Ion:107 Resp: 185521

Ion Ratio Lower Upper

107 100

109 94.3 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

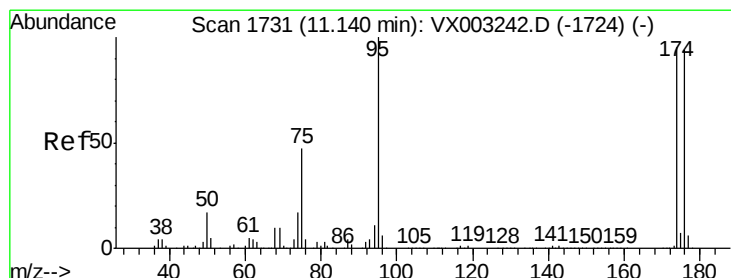
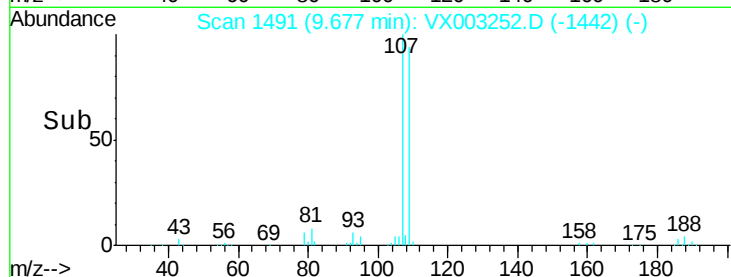
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

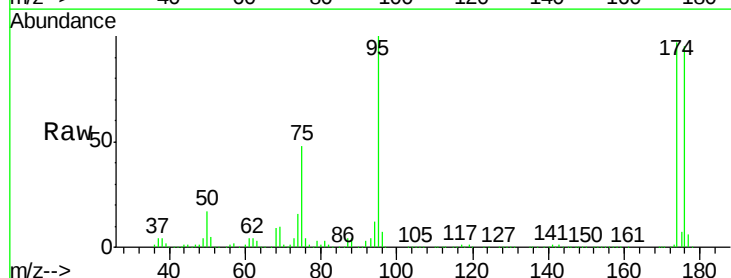
Tgt Ion: 95 Resp: 231111

Ion Ratio Lower Upper

95 100

174 101.6 0.0 187.4

176 99.1 0.0 181.0



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

250000

200000

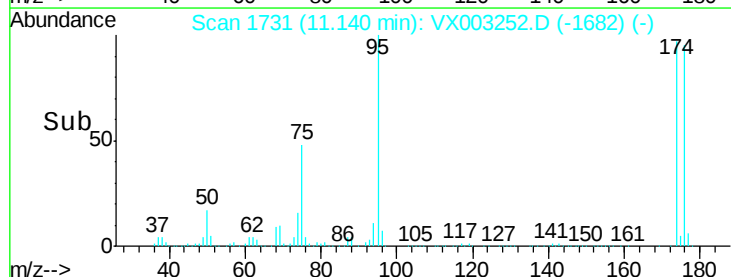
150000

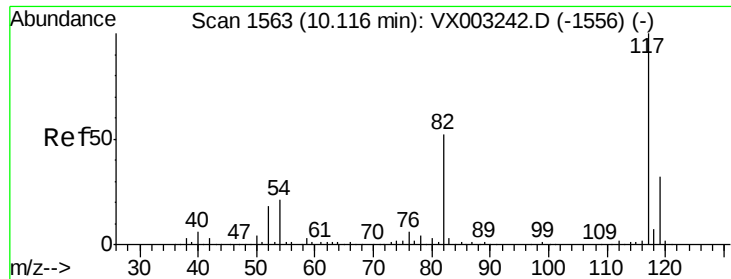
100000

50000

0

Time-->

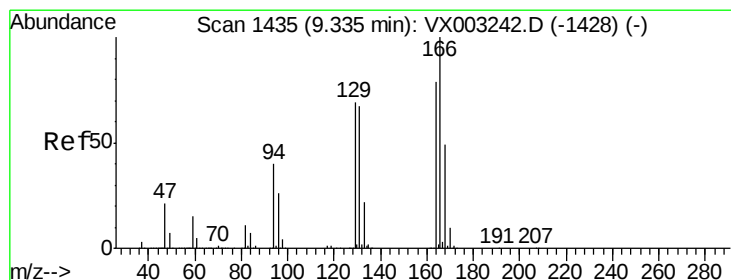
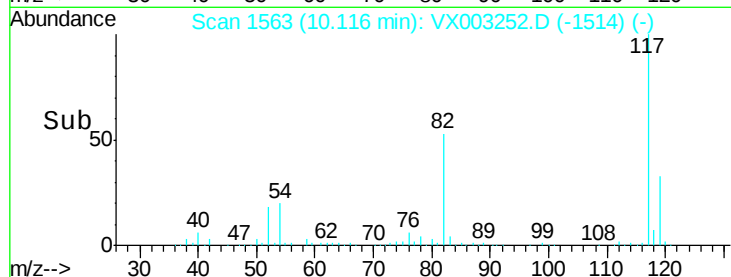
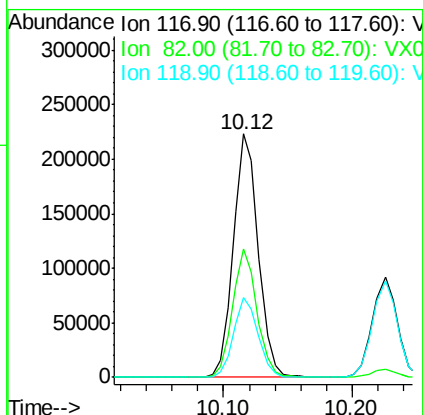
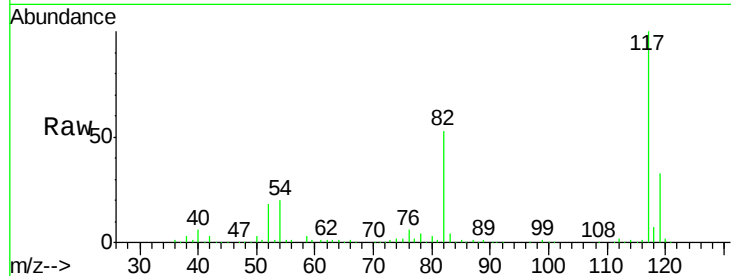




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

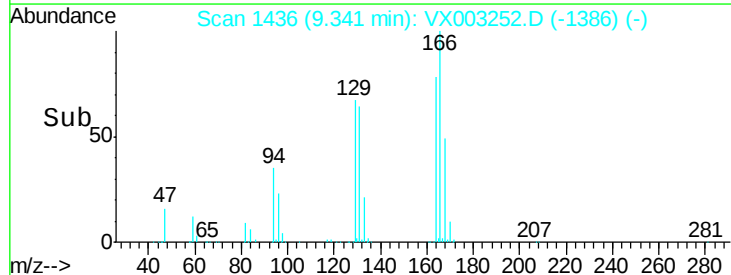
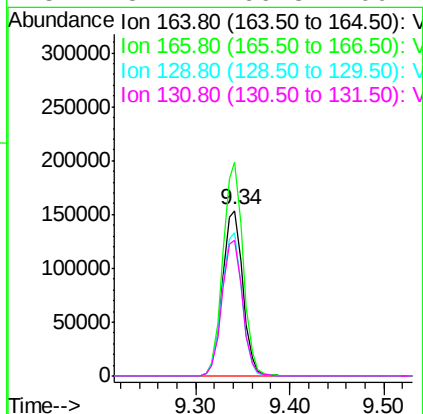
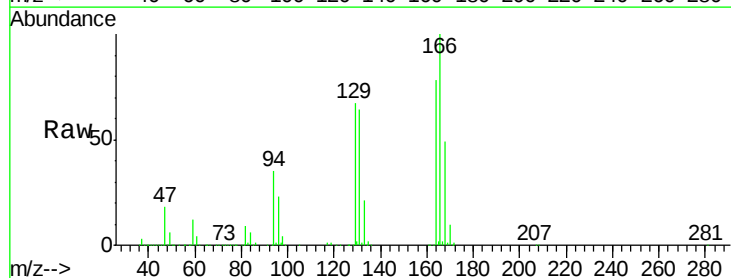
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

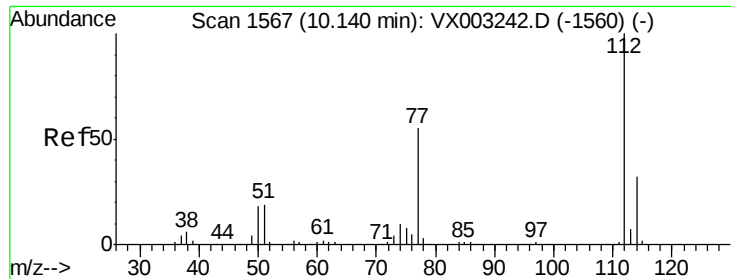
Tot Ion:117 Resp: 300526
Ion Ratio Lower Upper
117 100
82 53.0 45.0 67.4
119 32.8 25.8 38.6



#64
Tetrachloroethene
Concen: 50.45 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Tgt Ion:164 Resp: 229191
Ion Ratio Lower Upper
164 100
166 128.9 102.9 154.3
129 86.2 68.6 102.8
131 82.2 66.8 100.2

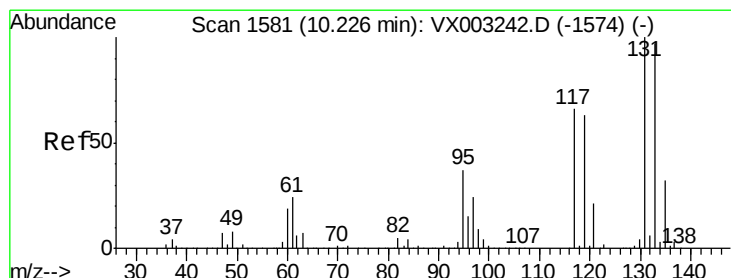
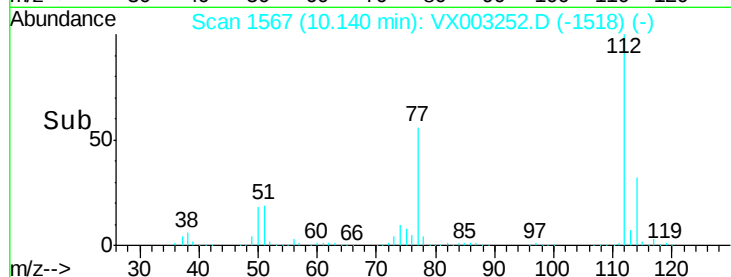
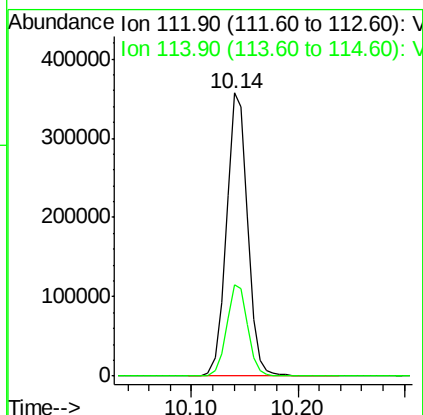
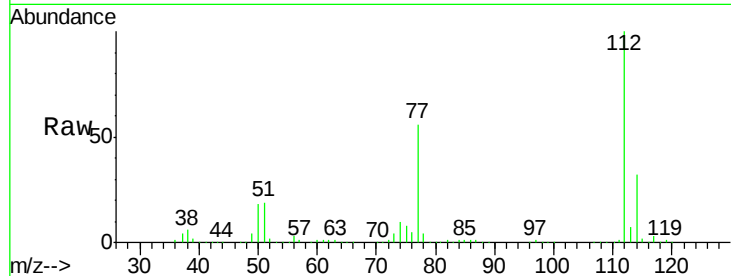




#65
Chlorobenzene
Concen: 48.51 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

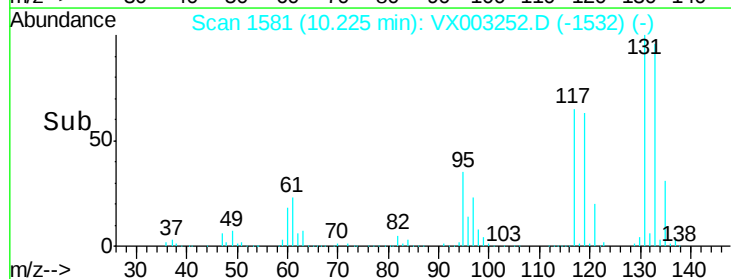
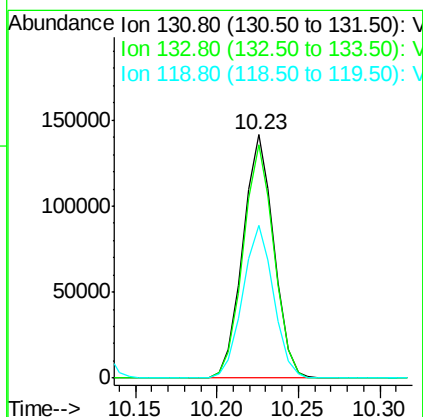
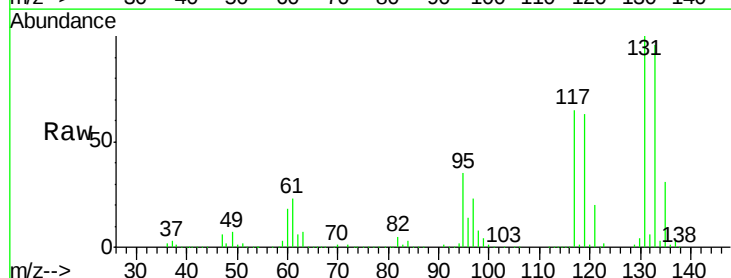
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

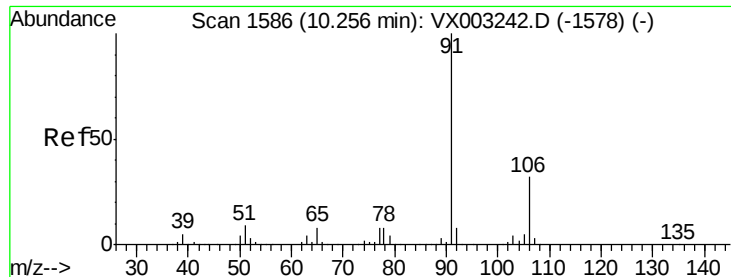
Tot Ion:112 Resp: 495400
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.85 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Tgt Ion:131 Resp: 187340
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.6
119 62.6 31.8 95.3





#67

Ethyl Benzene

Concen: 49.86 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

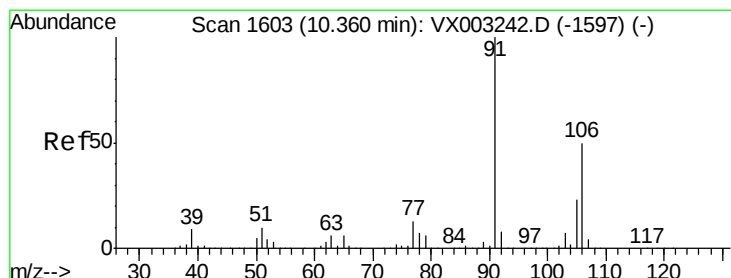
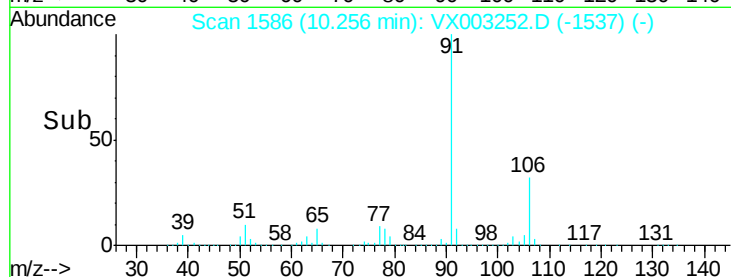
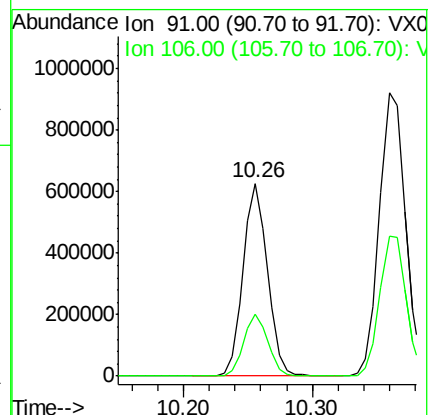
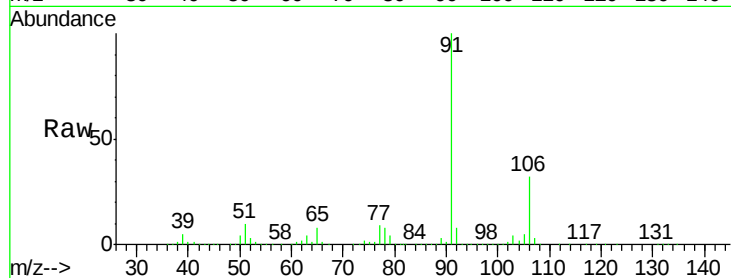
VSTDCCC050

Tot Ion: 91 Resp: 823406

Ion Ratio Lower Upper

91 100

106 32.2 25.5 38.3



#68

m/p-Xylenes

Concen: 100.94 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003252.D

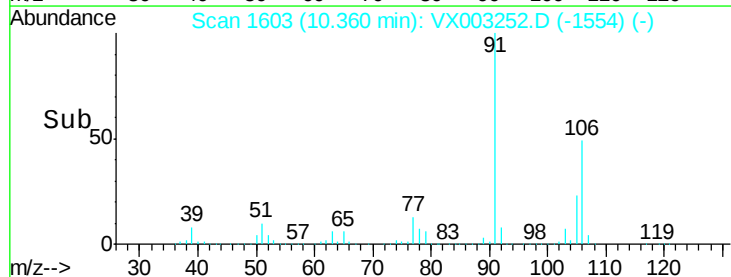
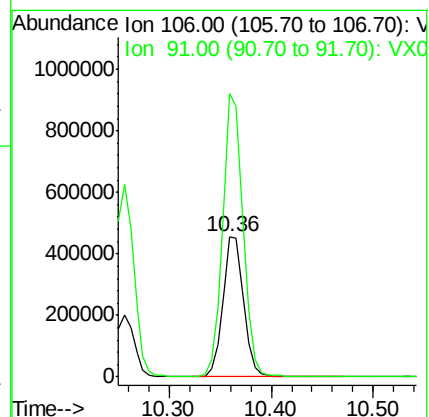
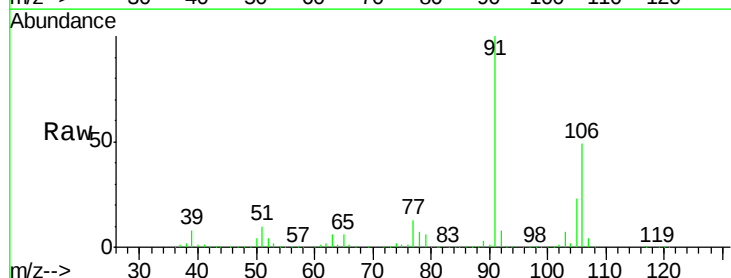
Acq: 09 Jul 2018 18:44

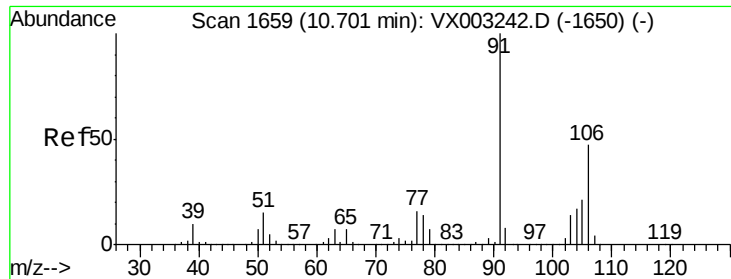
Tgt Ion: 106 Resp: 648471

Ion Ratio Lower Upper

106 100

91 199.9 163.4 245.2

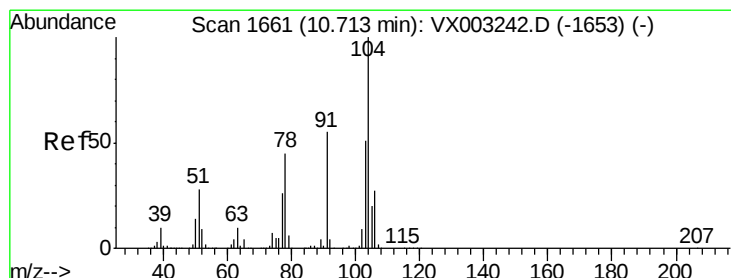
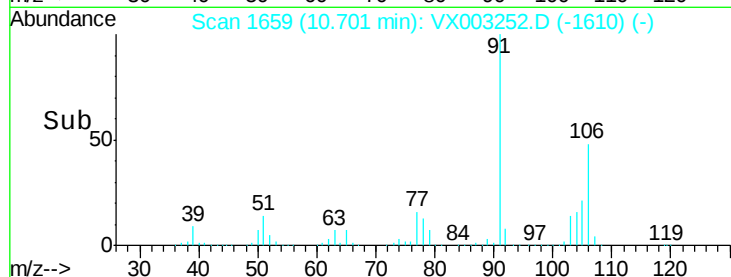
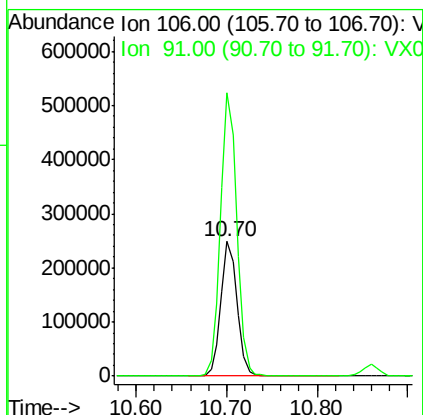
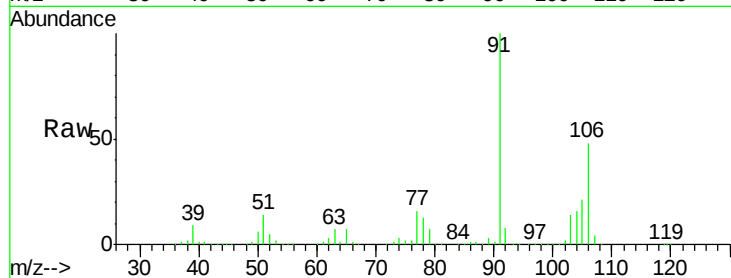




#69
o-Xylene
Concen: 50.29 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

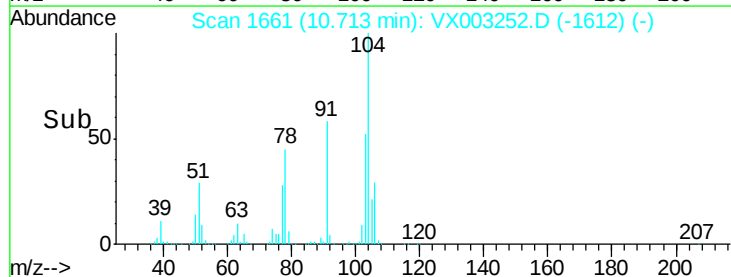
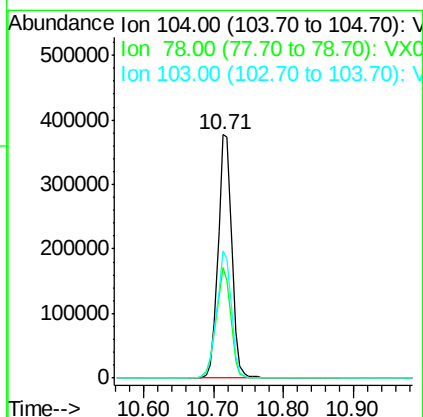
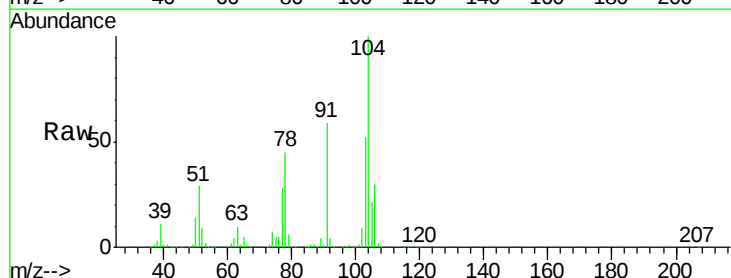
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

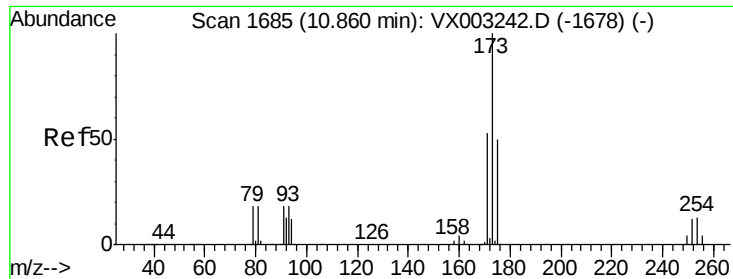
Tot Ion:106 Resp: 312988
Ion Ratio Lower Upper
106 100
91 211.5 108.2 324.6



#70
Styrene
Concen: 50.91 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Tgt Ion:104 Resp: 513747
Ion Ratio Lower Upper
104 100
78 48.7 41.0 61.6
103 55.9 44.2 66.4

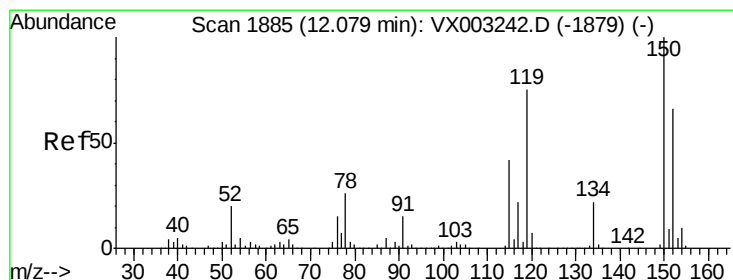
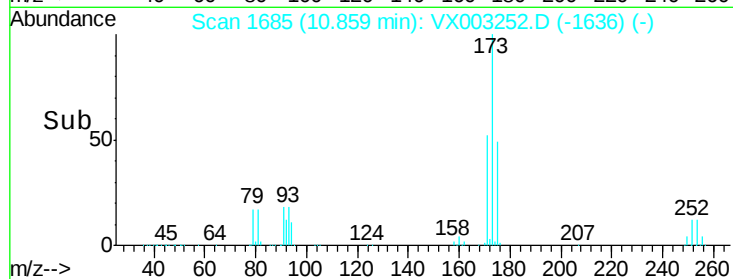
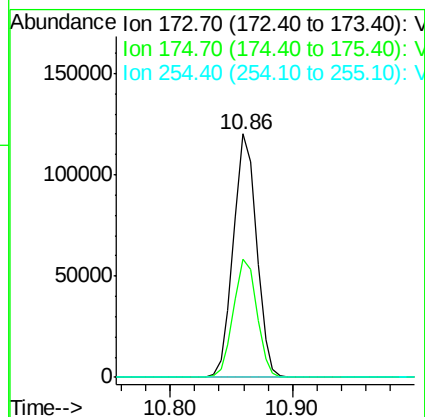
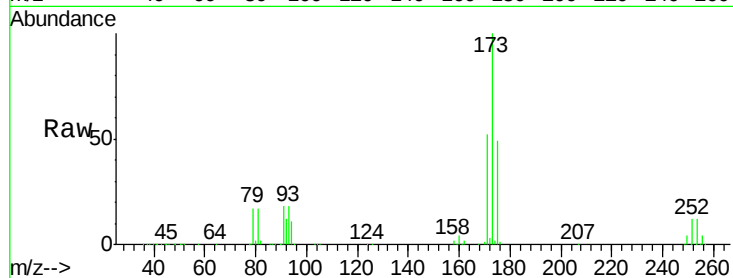




#71
Bromoform
Concen: 51.78 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

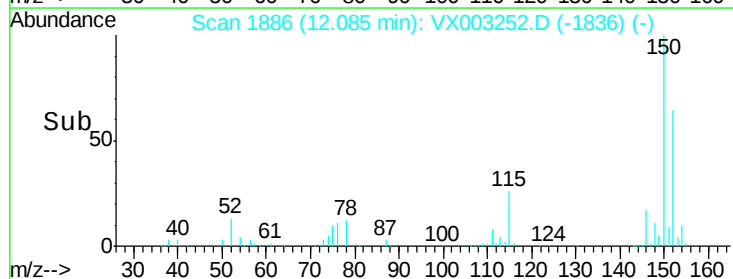
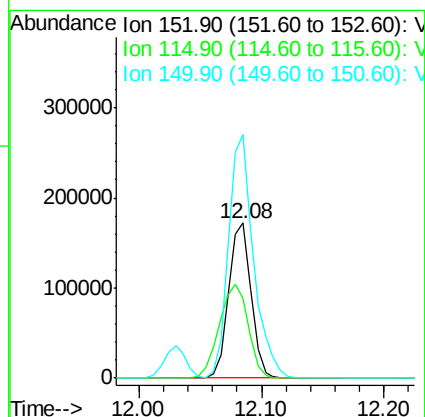
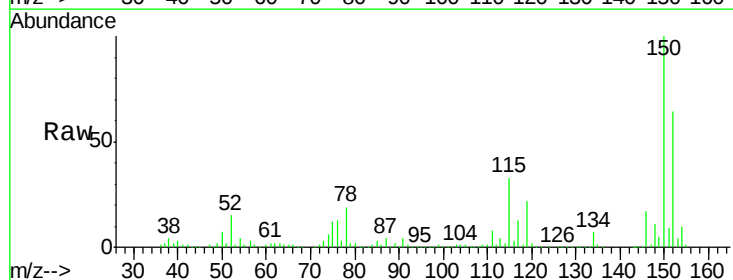
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

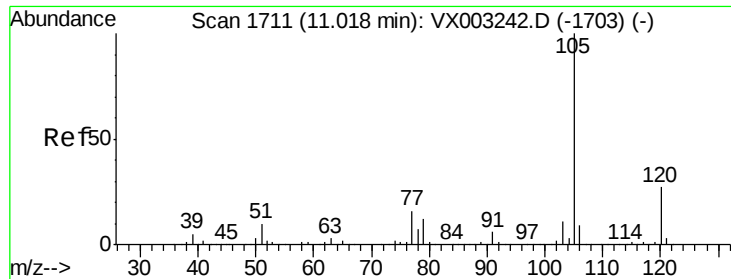
Tot Ion:173 Resp: 156963
Ion Ratio Lower Upper
173 100
175 49.2 24.7 74.1
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Tgt Ion:152 Resp: 215688
Ion Ratio Lower Upper
152 100
115 78.6 40.1 120.2
150 176.0 0.0 347.2





#73

Isopropylbenzene

Concen: 49.93 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

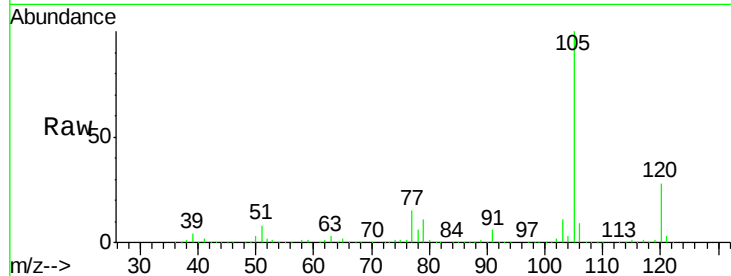
VSTDCCC050

Tot Ion:105 Resp: 850314

Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

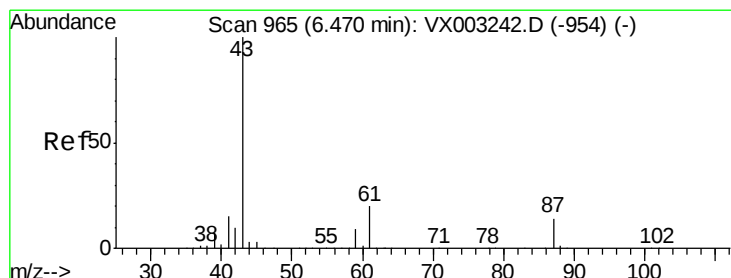
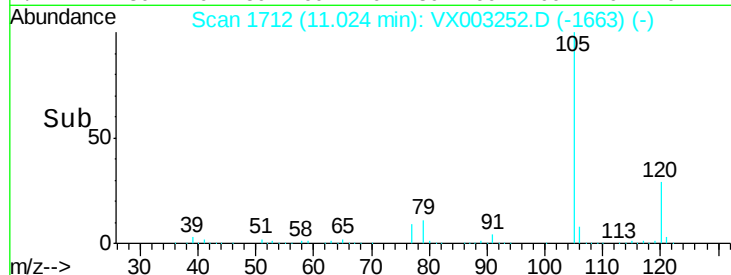
400000

200000

0

11.00 11.02 11.10

Time-->



#74

N-ethyl acetate

Concen: 48.03 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Tgt Ion: 43 Resp: 390159

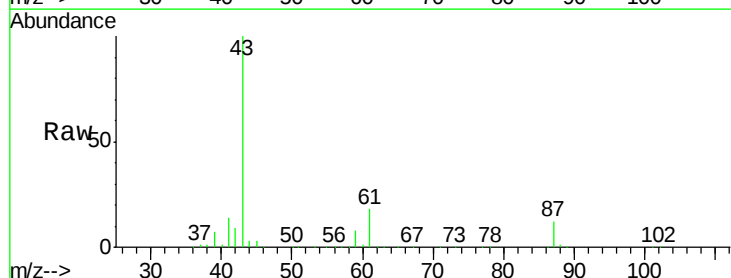
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 19.5 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

250000

200000

150000

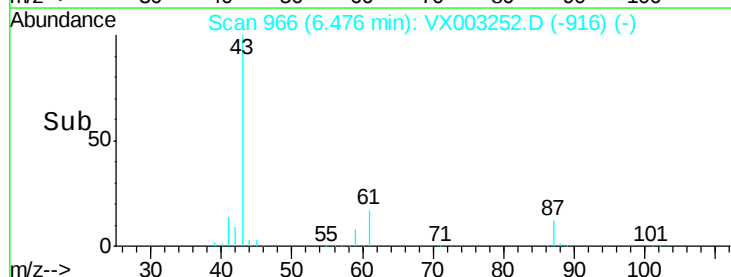
100000

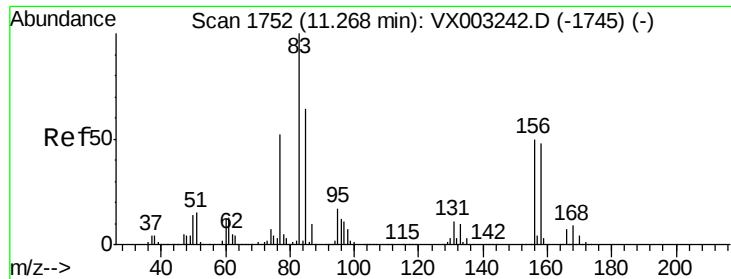
50000

0

6.40 6.48 6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.91 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

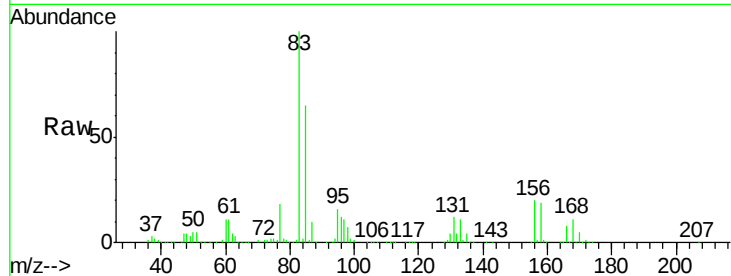
Tot Ion: 83 Resp: 253078

Ion Ratio Lower Upper

83 100

131 11.6 5.6 16.8

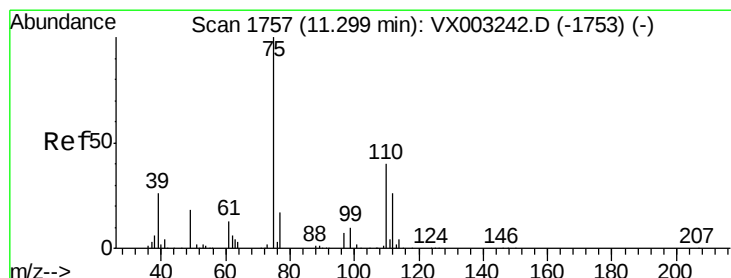
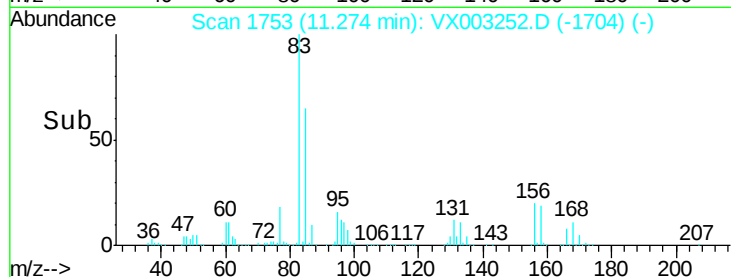
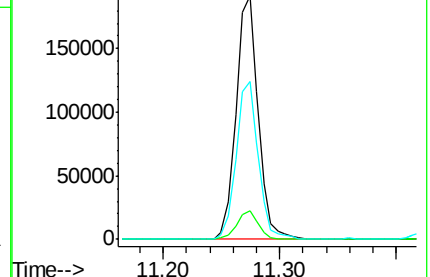
85 64.9 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 63.78 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003252.D

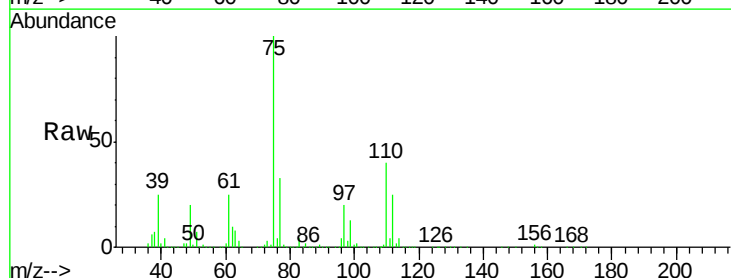
Acq: 09 Jul 2018 18:44

Tgt Ion: 75 Resp: 297288

Ion Ratio Lower Upper

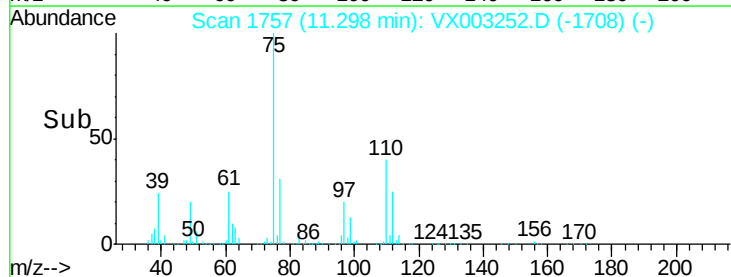
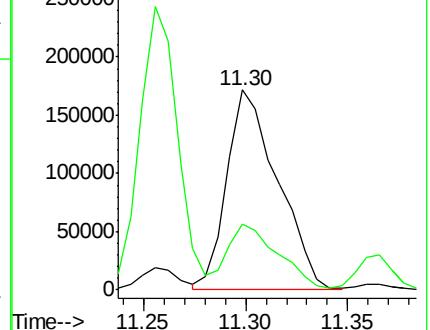
75 100

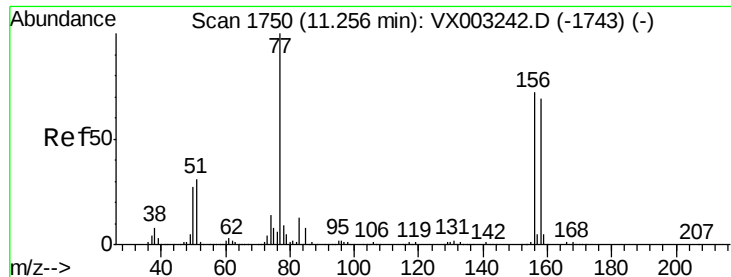
77 33.0 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.52 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

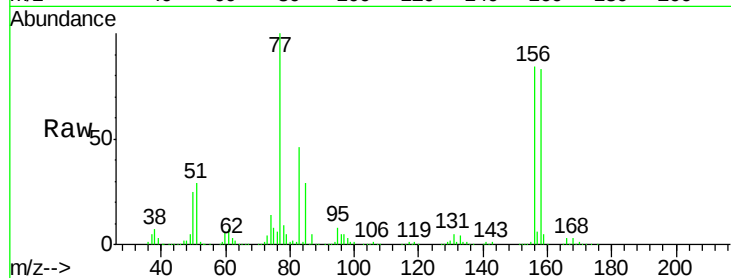
Tot Ion:156 Resp: 243482

Ion Ratio Lower Upper

156 100

77 128.6 71.4 214.2

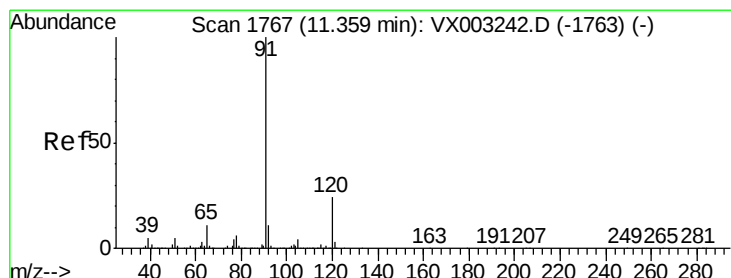
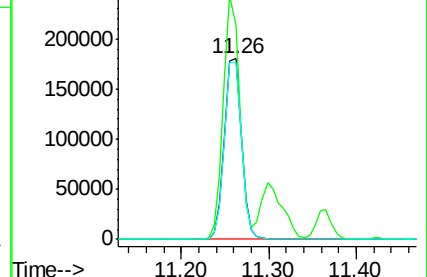
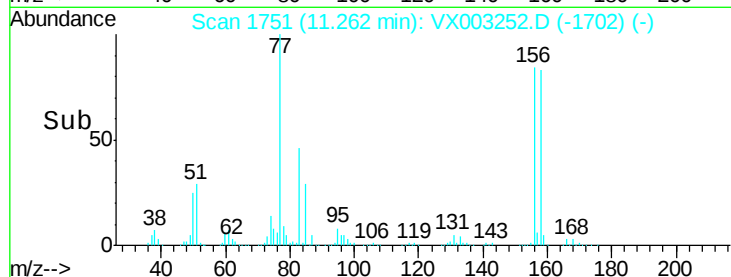
158 98.1 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.79 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003252.D

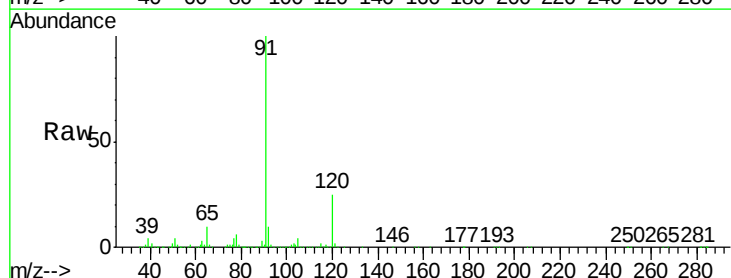
Acq: 09 Jul 2018 18:44

Tgt Ion: 91 Resp: 942733

Ion Ratio Lower Upper

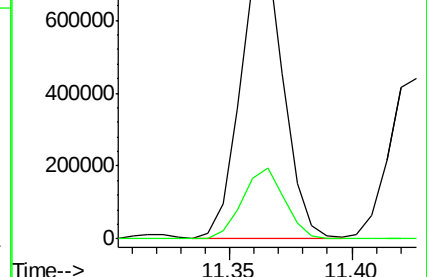
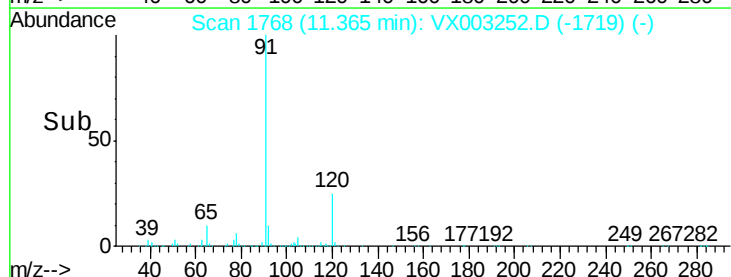
91 100

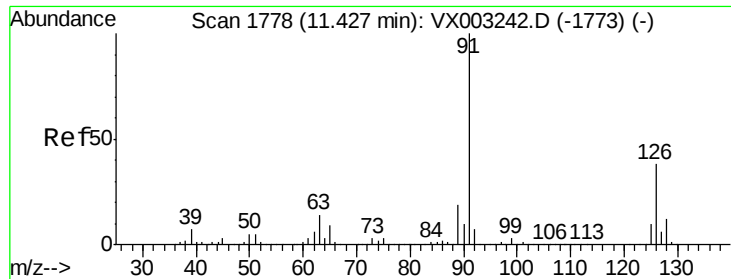
120 25.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.60 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

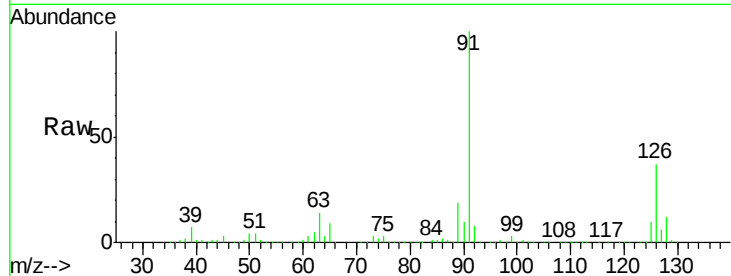
VSTDCCC050

Tot Ion: 91 Resp: 560622

Ion Ratio Lower Upper

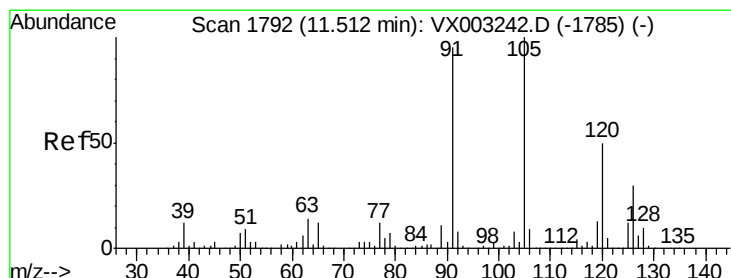
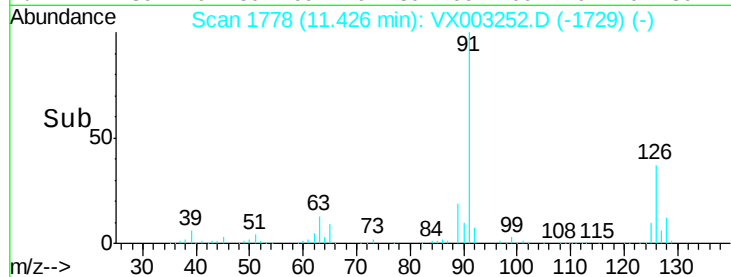
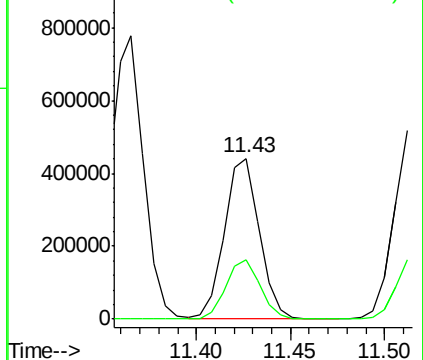
91 100

126 36.9 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.26 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003252.D

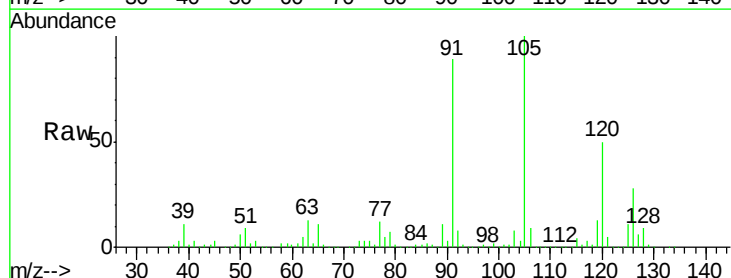
Acq: 09 Jul 2018 18:44

Tgt Ion:105 Resp: 712761

Ion Ratio Lower Upper

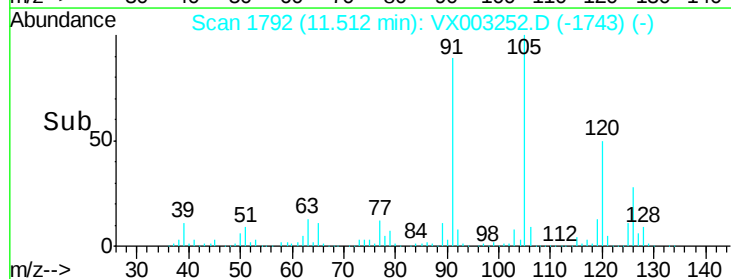
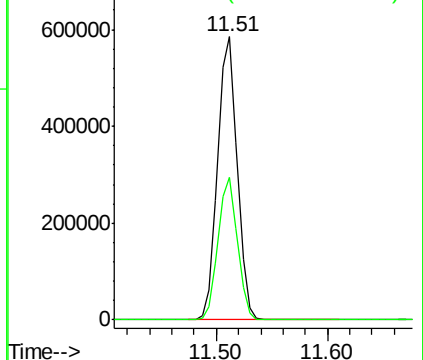
105 100

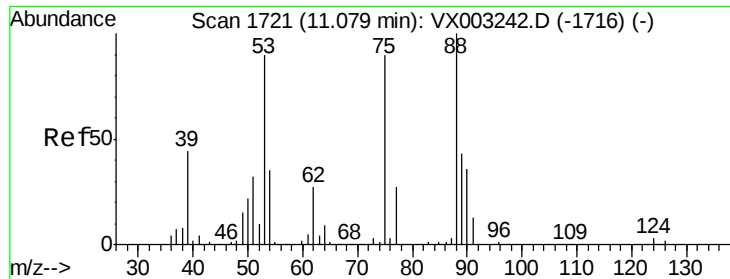
120 49.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.78 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

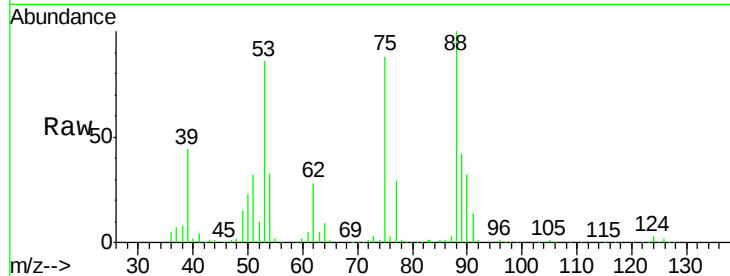
Tot Ion: 75 Resp: 72423

Ion Ratio Lower Upper

75 100

53 99.3 86.8 130.2

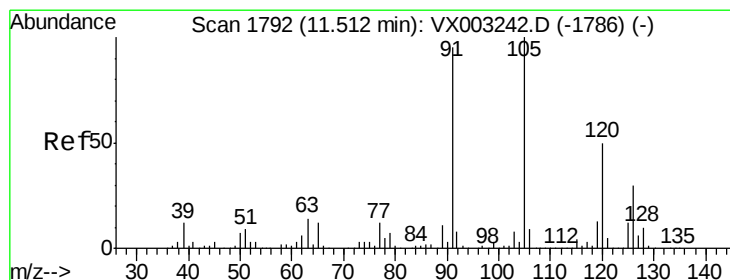
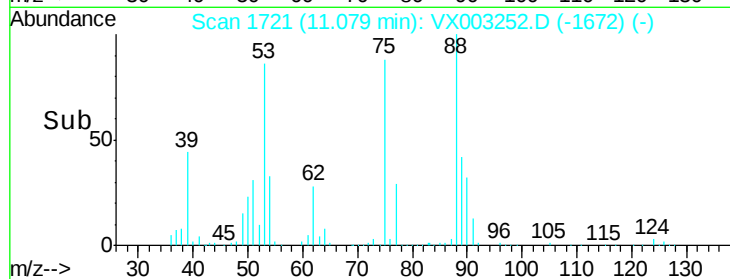
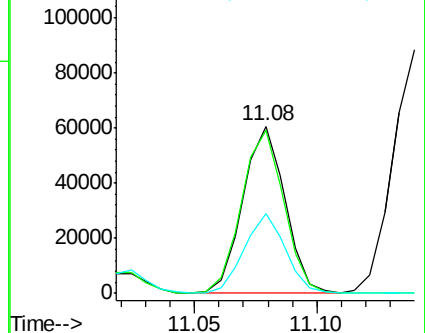
89 47.4 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 48.67 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003252.D

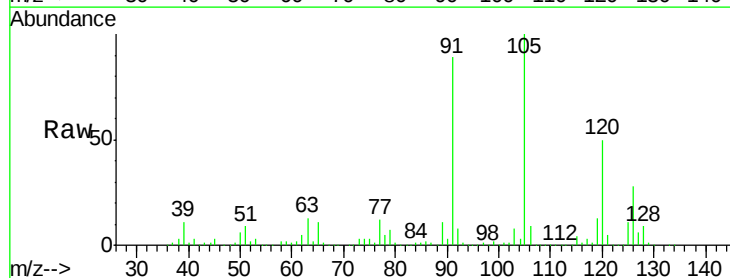
Acq: 09 Jul 2018 18:44

Tgt Ion: 91 Resp: 655555

Ion Ratio Lower Upper

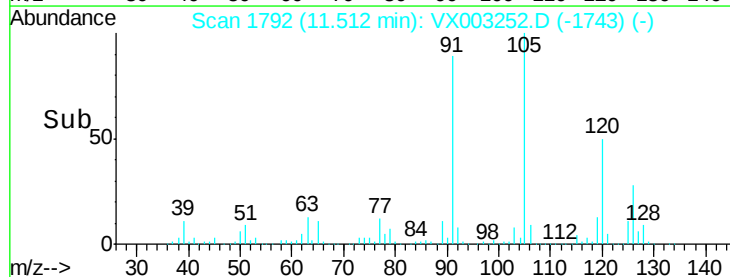
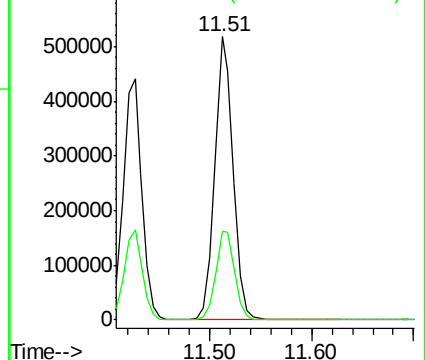
91 100

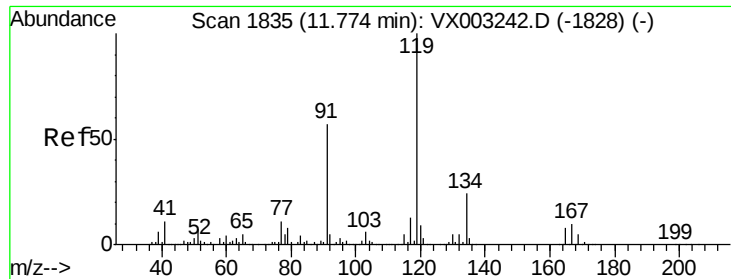
126 32.6 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

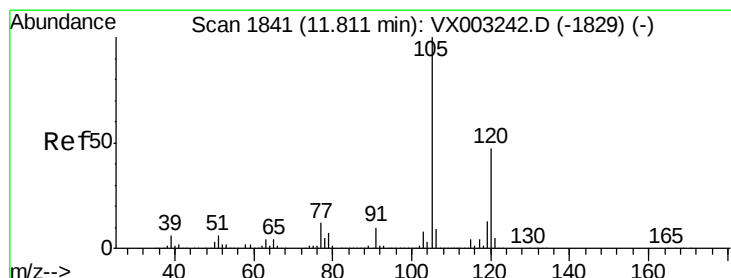
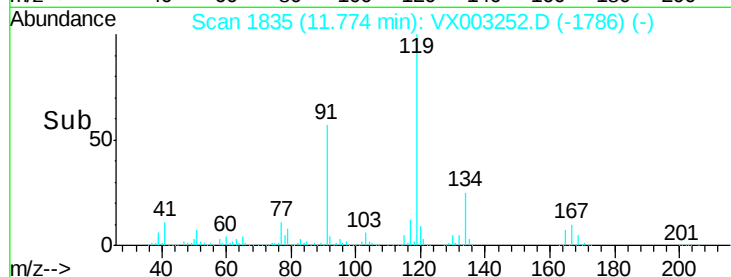
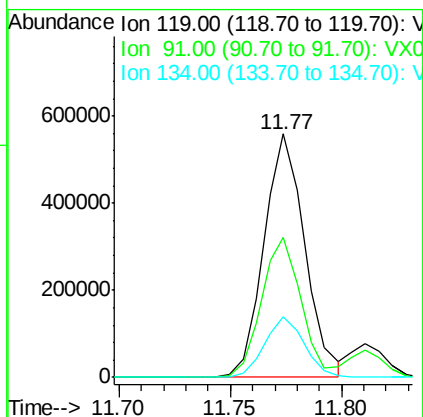
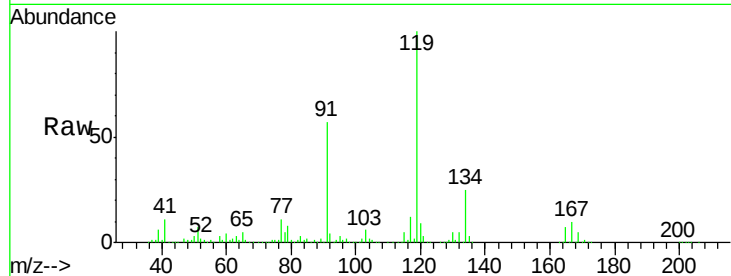




#83
 tert-Butylbenzene
 Concen: 50.22 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003252.D
 Acq: 09 Jul 2018 18:44

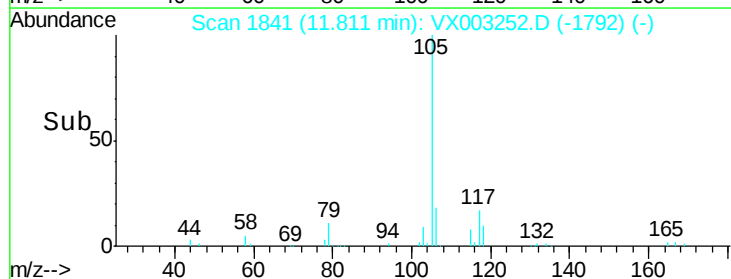
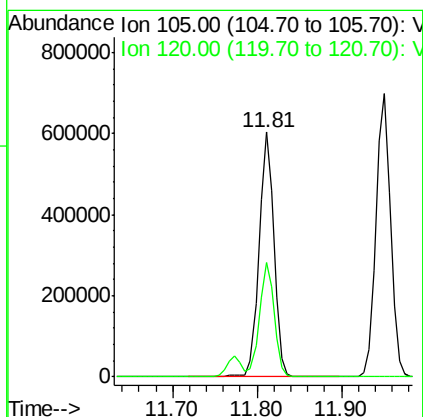
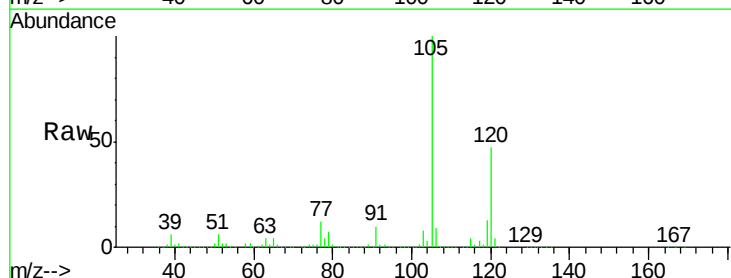
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

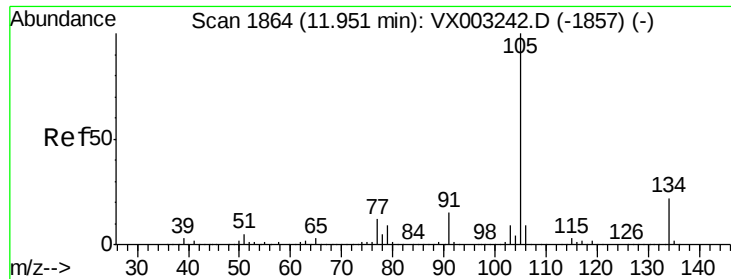
Tot Ion:119 Resp: 711387
 Ion Ratio Lower Upper
 119 100
 91 56.4 30.3 90.9
 134 23.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.29 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003252.D
 Acq: 09 Jul 2018 18:44

Tgt Ion:105 Resp: 730191
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.3 66.8





#85

sec-Butylbenzene

Concen: 50.33 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

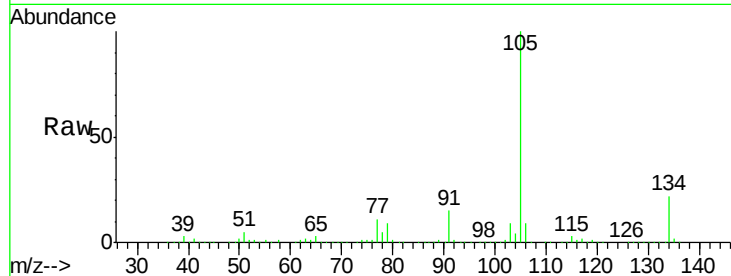
VSTDCCC050

Tot Ion:105 Resp: 842619

Ion Ratio Lower Upper

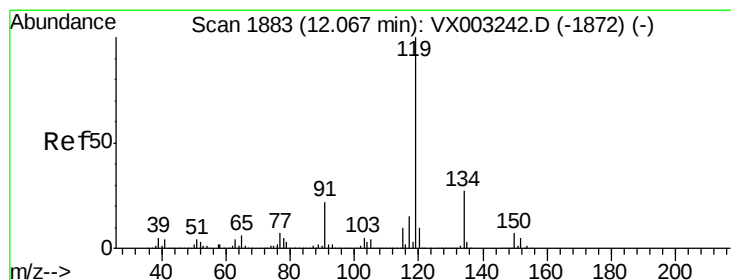
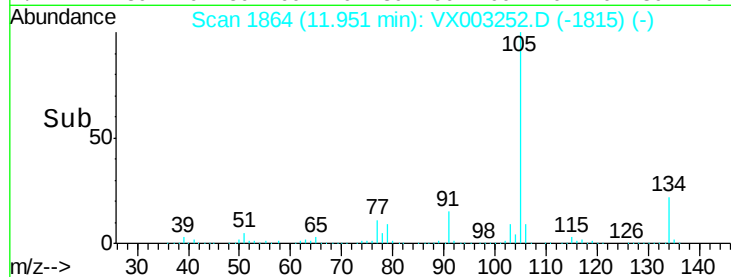
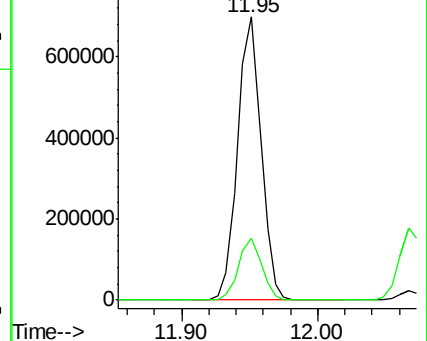
105 100

134 21.5 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.53 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

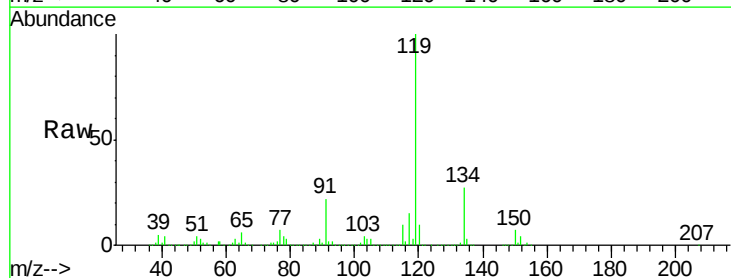
Tgt Ion:119 Resp: 770750

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.1

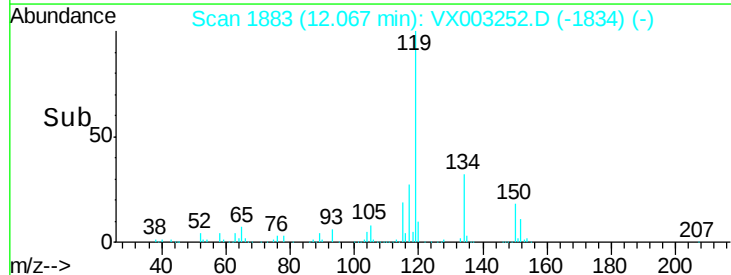
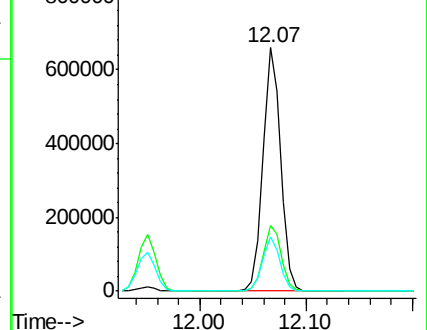
91 22.1 11.9 35.7

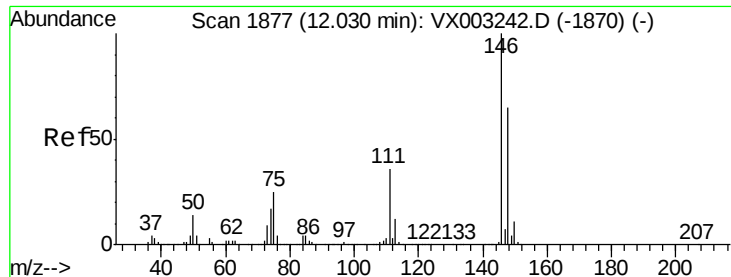


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.45 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

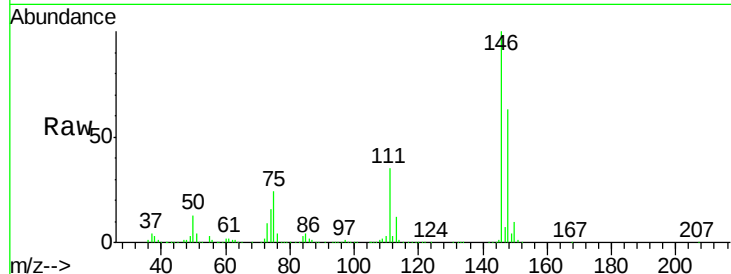
Tot Ion:146 Resp: 436962

Ion Ratio Lower Upper

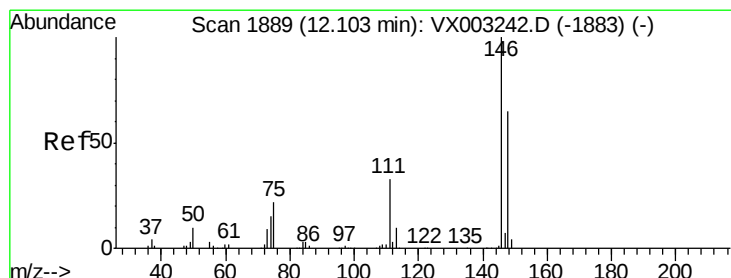
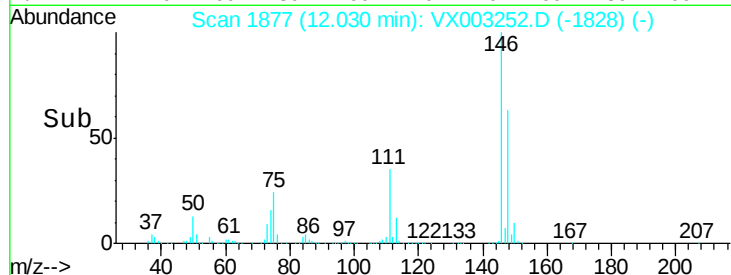
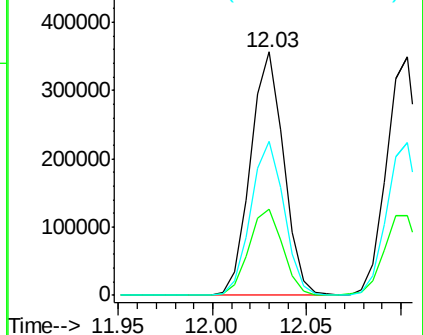
146 100

111 36.3 18.9 56.7

148 63.5 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.90 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

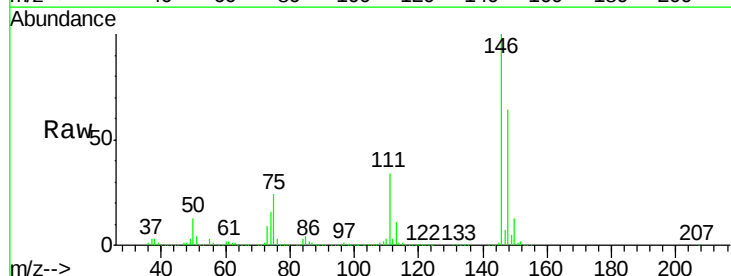
Tgt Ion:146 Resp: 437418

Ion Ratio Lower Upper

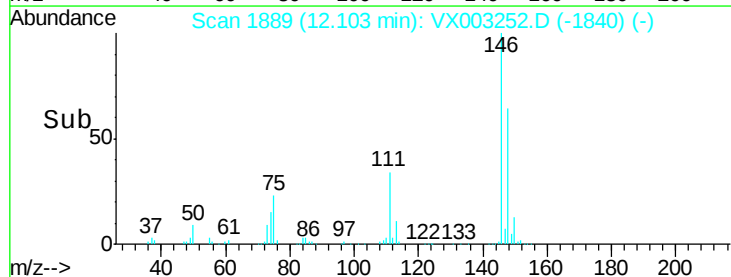
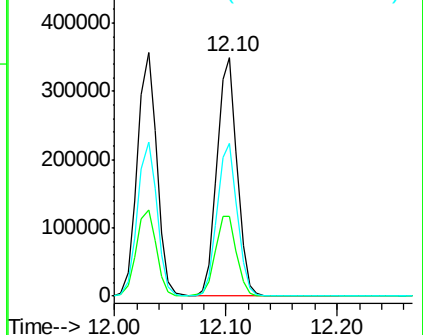
146 100

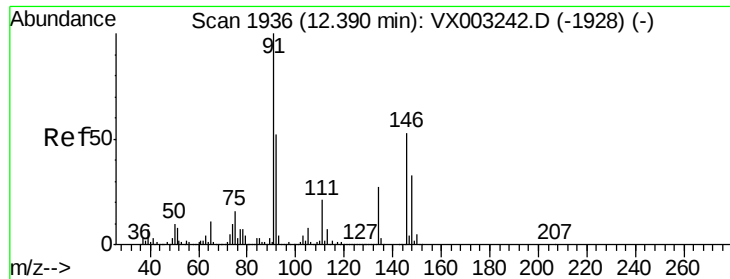
111 35.2 18.7 56.1

148 64.3 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

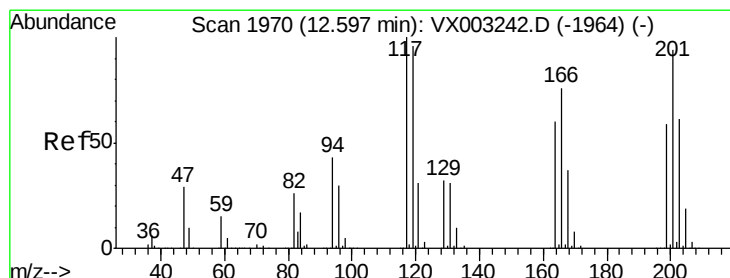
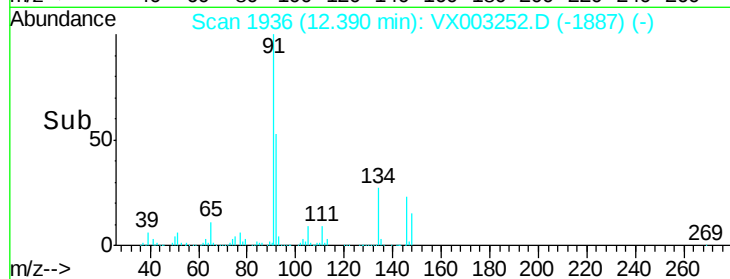
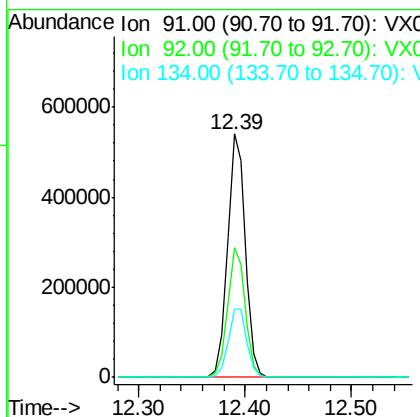
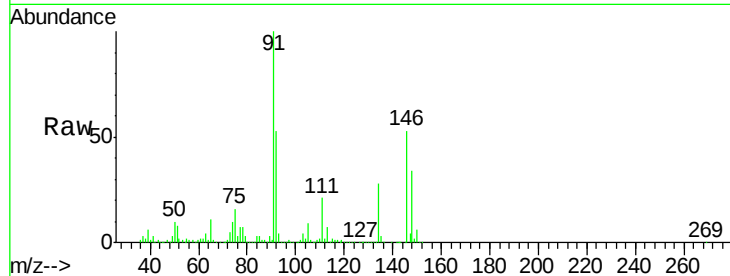




#89
n-Butylbenzene
Concen: 49.37 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

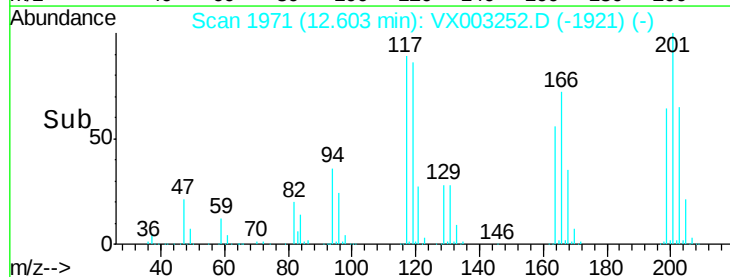
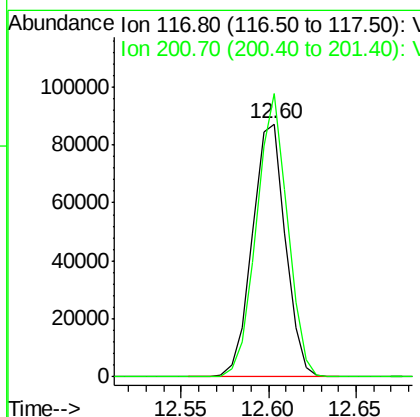
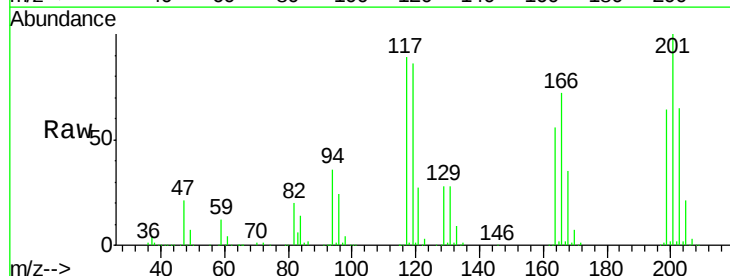
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

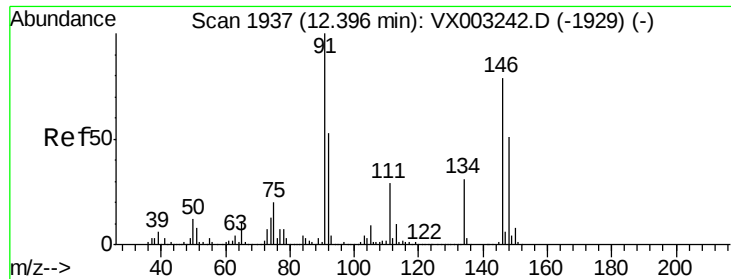
Tot Ion: 91 Resp: 629175
Ion Ratio Lower Upper
91 100
92 52.8 26.0 78.0
134 29.2 13.5 40.5



#90
Hexachloroethane
Concen: 49.28 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX003252.D
Acq: 09 Jul 2018 18:44

Tgt Ion: 117 Resp: 114765
Ion Ratio Lower Upper
117 100
201 104.9 49.0 147.0

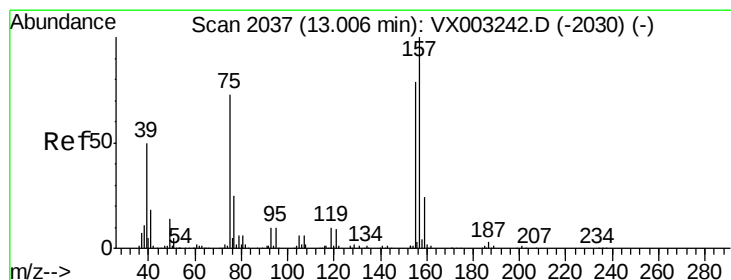
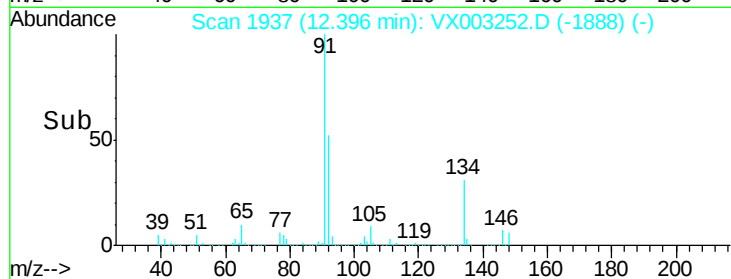
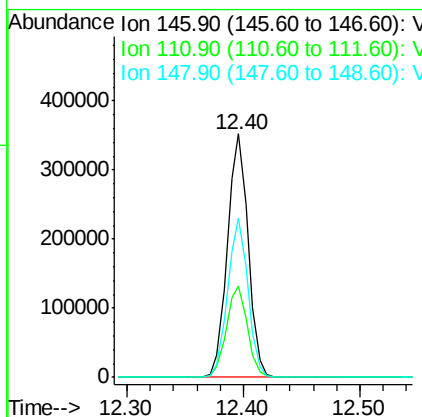
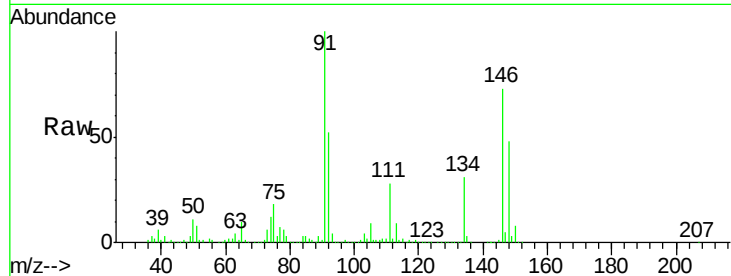




#91
 1,2-Dichlorobenzene
 Concen: 47.99 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003252.D
 Acq: 09 Jul 2018 18:44

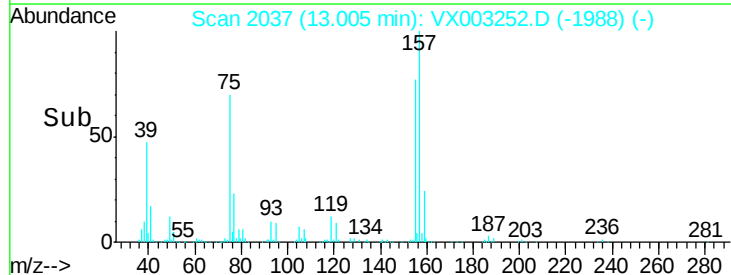
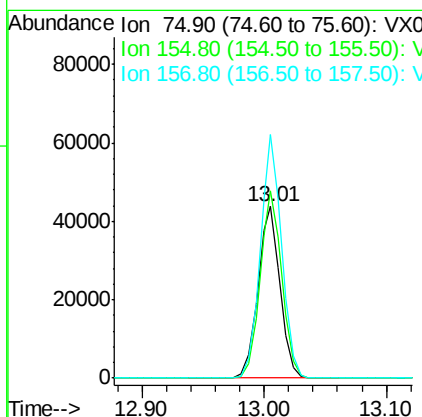
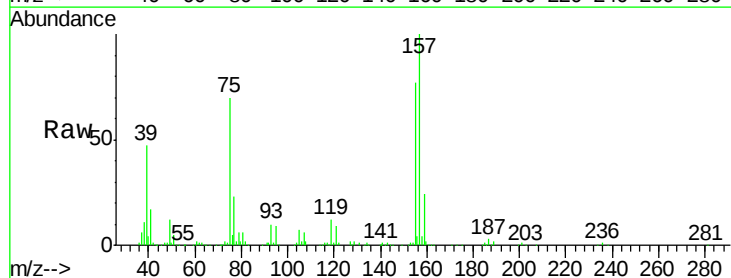
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

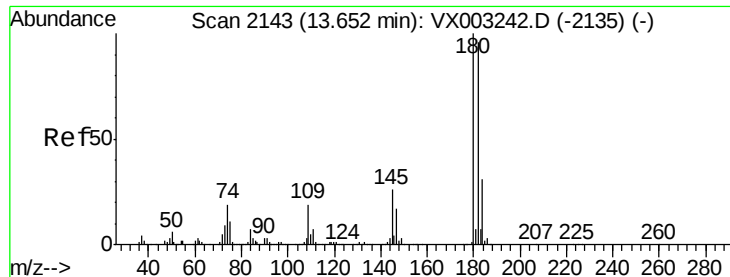
Tot Ion:146 Resp: 434660
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.4 58.1
 148 64.4 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.56 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003252.D
 Acq: 09 Jul 2018 18:44

Tgt Ion: 75 Resp: 55029
 Ion Ratio Lower Upper
 75 100
 155 107.2 45.8 137.4
 157 136.9 60.1 180.3

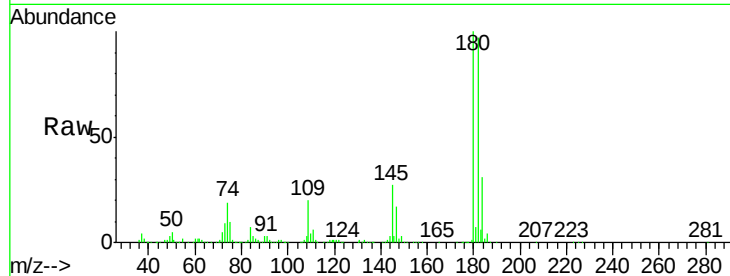




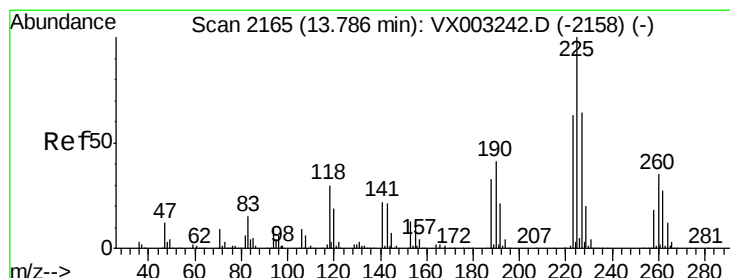
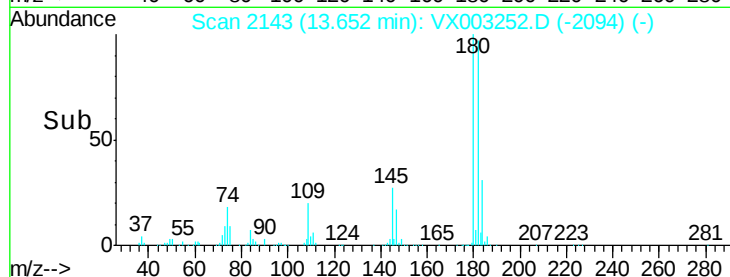
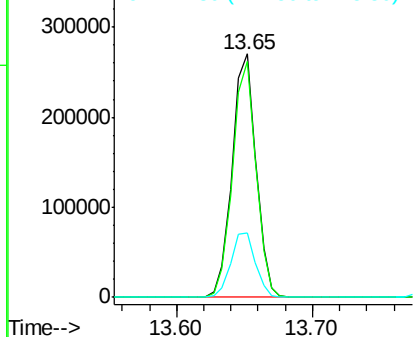
#93
 1,2,4-Trichlorobenzene
 Concen: 49.89 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003252.D
 Acq: 09 Jul 2018 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 328807
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.7 143.1
 145 27.4 14.1 42.4

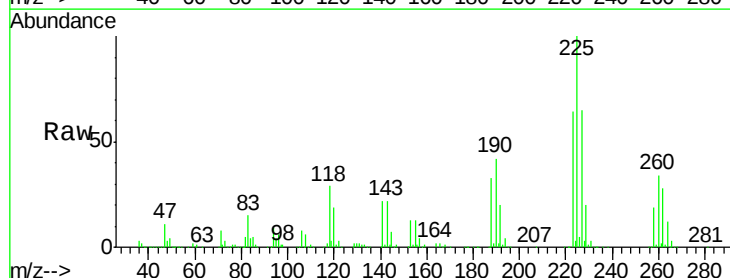


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

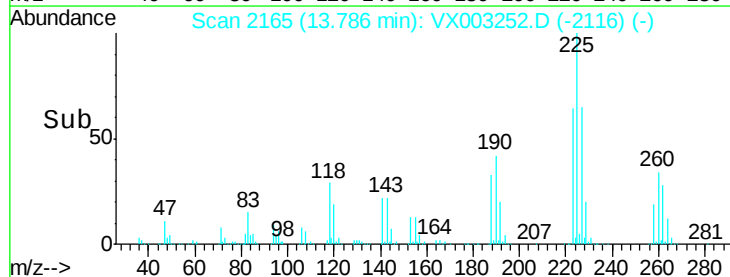
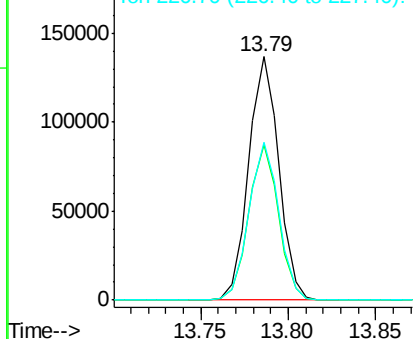


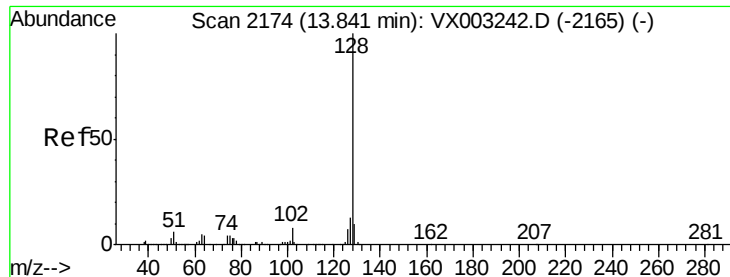
#94
 Hexachlorobutadiene
 Concen: 49.67 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003252.D
 Acq: 09 Jul 2018 18:44

Tgt Ion:225 Resp: 162975
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.6 95.0
 227 64.4 32.4 97.2



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: 52.48 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

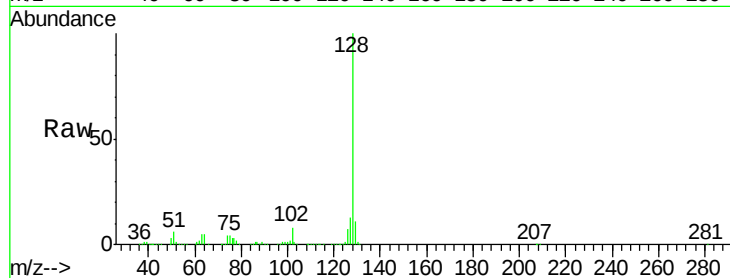
Tot Ion:128 Resp: 904970

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

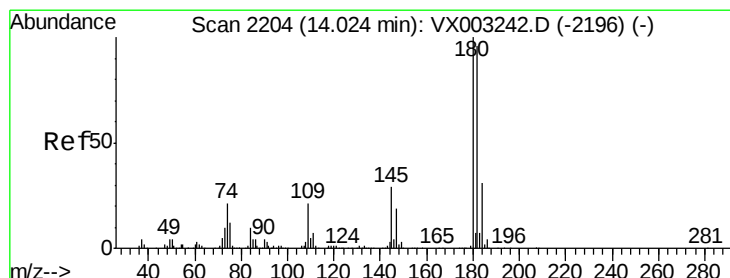
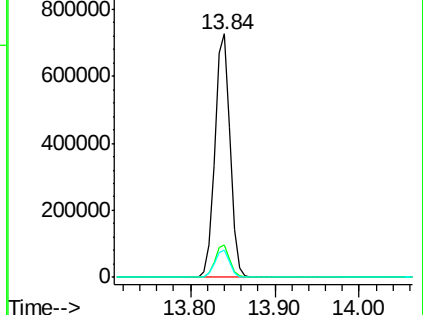
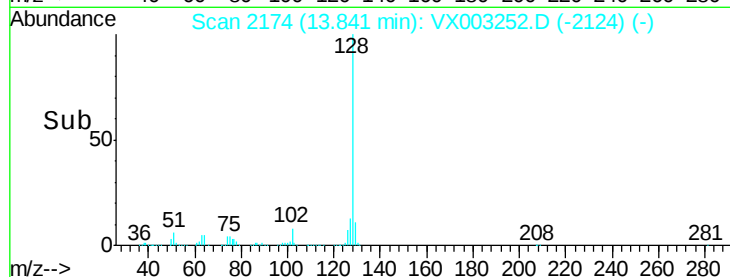
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.92 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003252.D

Acq: 09 Jul 2018 18:44

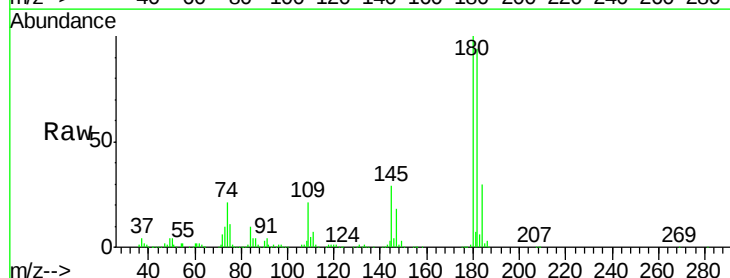
Tgt Ion:180 Resp: 334710

Ion Ratio Lower Upper

180 100

182 95.2 48.0 144.0

145 28.6 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

