

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071618\
 Data File : VX003395.D
 Acq On : 16 Jul 2018 14:18
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

Quant Time: Jul 17 01:56:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	345897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	467368	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	434545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	269809	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	211428	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
35) Dibromofluoromethane	5.51	113	185854	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	8.72	98	694956	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.14	95	258169	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	186899	47.87	ug/l	99
3) Chloromethane	1.32	50	183553	43.44	ug/l	98
4) Vinyl Chloride	1.40	62	205331	44.59	ug/l	100
5) Bromomethane	1.64	94	99582	64.66	ug/l	99
6) Chloroethane	1.72	64	127286	49.94	ug/l	100
7) Trichlorofluoromethane	1.92	101	278629	45.62	ug/l	97
8) Diethyl Ether	2.19	74	115511	44.20	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	177027	45.88	ug/l	97
10) Methyl Iodide	2.51	142	174682	42.32	ug/l	93
11) Tert butyl alcohol	3.09	59	226599	222.44	ug/l	99
12) 1,1-Dichloroethene	2.37	96	160306	43.97	ug/l	92
13) Acrolein	2.29	56	97904	200.35	ug/l	100
14) Allyl chloride	2.73	41	301933	45.65	ug/l	87
15) Acrylonitrile	3.15	53	517664	221.80	ug/l	98
16) Acetone	2.45	43	424127	225.11	ug/l #	89
17) Carbon Disulfide	2.56	76	442732	44.25	ug/l	98
18) Methyl Acetate	2.78	43	299375	48.78	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	540175	44.62	ug/l	99
20) Methylene Chloride	2.86	84	180747	53.59	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	172195	43.73	ug/l	95
22) Diisopropyl ether	3.88	45	561505	43.77	ug/l	95
23) Vinyl Acetate	3.83	43	2356841	222.75	ug/l	96
24) 1,1-Dichloroethane	3.70	63	318212	43.72	ug/l	100
25) 2-Butanone	4.72	43	663945	225.17	ug/l	93
26) 2,2-Dichloropropane	4.58	77	244458	47.85	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	188592	44.51	ug/l	88
28) Bromochloromethane	5.02	49	147850	46.79	ug/l	87
29) Tetrahydrofuran	5.18	42	427248	228.47	ug/l	92
30) Chloroform	5.21	83	299541	44.66	ug/l	98
31) Cyclohexane	5.57	56	263593	46.90	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	259528	45.50	ug/l	97
36) 1,1-Dichloropropene	5.80	75	228356	48.25	ug/l	98
37) Ethyl Acetate	4.87	43	244389	45.82	ug/l	95
38) Carbon Tetrachloride	5.78	117	230021	47.76	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	262508	48.45	ug/l	96
40) Benzene	6.14	78	683363	47.46	ug/l	99
41) Methacrylonitrile	5.07	41	141006	48.08	ug/l	92
42) 1,2-Dichloroethane	6.20	62	227656	46.10	ug/l	95
43) Isopropyl Acetate	6.48	43	388703	48.29	ug/l	94
44) Trichloroethene	7.21	130	189949	45.54	ug/l	98
45) 1,2-Dichloropropane	7.52	63	169518	45.26	ug/l	100
46) Dibromomethane	7.67	93	113016	45.31	ug/l	98
47) Bromodichloromethane	7.90	83	212669	46.56	ug/l	97
48) Methyl methacrylate	7.79	41	197750	48.15	ug/l	87
49) 1,4-Dioxane	7.76	88	87338	928.90	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	1278006	241.20	ug/l	93
52) Toluene	8.79	92	422300	46.84	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	263009	48.77	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	242852	49.34	ug/l	90
55) 1,1,2-Trichloroethane	9.22	97	171913	45.64	ug/l	99
56) Ethyl methacrylate	9.19	69	259649	48.68	ug/l #	85
57) 1,3-Dichloropropane	9.38	76	279817	46.23	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	792692	296.39	ug/l	98
59) 2-Hexanone	9.50	43	1000643	245.80	ug/l	90
60) Dibromochloromethane	9.59	129	176221	47.08	ug/l	100
61) 1,2-Dibromoethane	9.68	107	181168	46.66	ug/l	100
64) Tetrachloroethene	9.34	164	208458	45.85	ug/l	98
65) Chlorobenzene	10.14	112	481397	46.90	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	172243	47.20	ug/l	99
67) Ethyl Benzene	10.26	91	815565	48.61	ug/l	100
68) m/p-Xylenes	10.36	106	644628	99.33	ug/l	97
69) o-Xylene	10.70	106	309862	49.71	ug/l	96
70) Styrene	10.71	104	515458	50.24	ug/l	98
71) Bromoform	10.86	173	139163	47.41	ug/l	100
73) Isopropylbenzene	11.02	105	833592	48.25	ug/l	100
74) N-amyl acetate	6.48	43	388703	46.79	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	259293	45.47	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	311004	63.67	ug/l	80
77) Bromobenzene	11.26	156	225023	45.86	ug/l	99
78) n-propylbenzene	11.37	91	959381	49.71	ug/l	100
79) 2-Chlorotoluene	11.43	91	558853	47.23	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	696936	49.38	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	77345	51.44	ug/l	90
82) 4-Chlorotoluene	11.51	91	663676	48.07	ug/l	98
83) tert-Butylbenzene	11.77	119	679687	49.28	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	717071	49.46	ug/l	98
85) sec-Butylbenzene	11.95	105	832450	49.75	ug/l	100
86) p-Isopropyltoluene	12.07	119	755412	50.72	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	420484	46.82	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	422020	46.28	ug/l	99
89) n-Butylbenzene	12.39	91	658281	51.89	ug/l	99
90) Hexachloroethane	12.60	117	108795	48.21	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	418026	46.35	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	59337	50.02	ug/l	96

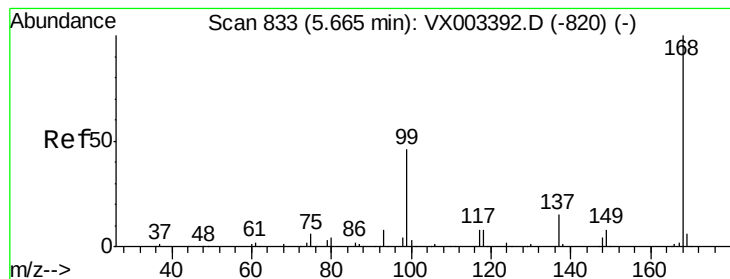
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071618\
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Quant Title : SW846 8260
QLast Update : Mon Jul 16 13:15:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	305459	49.49	ug/l	100
94) Hexachlorobutadiene	13.79	225	148155	49.87	ug/l	99
95) Naphthalene	13.84	128	899795	50.86	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	305806	48.17	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

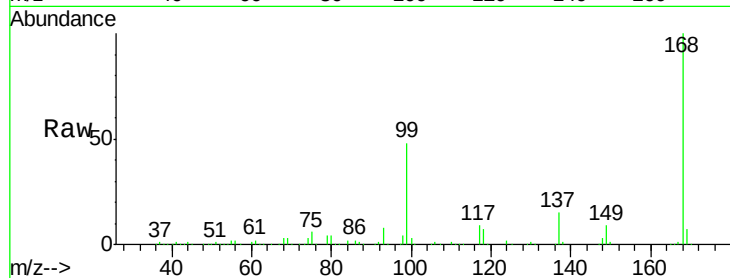
ICVVX071618

Tot Ion:168 Resp: 345897

Ion Ratio Lower Upper

168 100

99 48.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

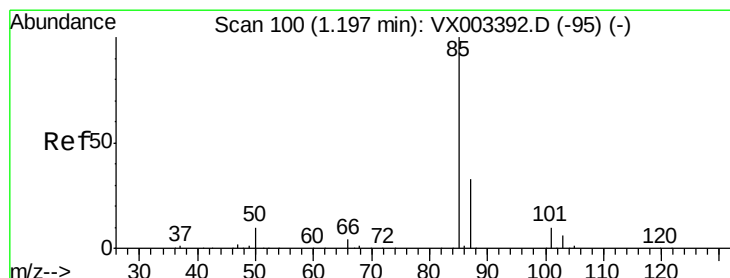
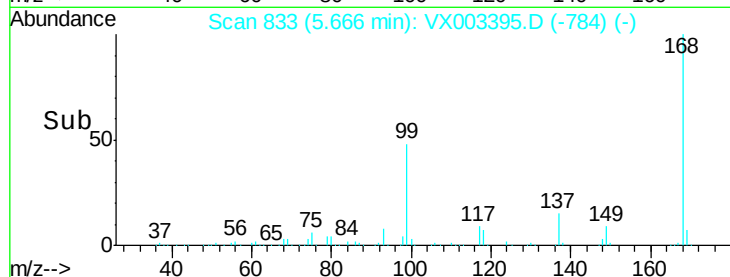
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 47.87 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003395.D

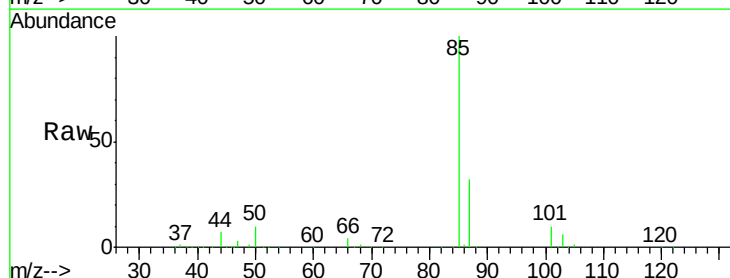
Acq: 16 Jul 2018 14:18

Tgt Ion: 85 Resp: 186899

Ion Ratio Lower Upper

85 100

87 32.5 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

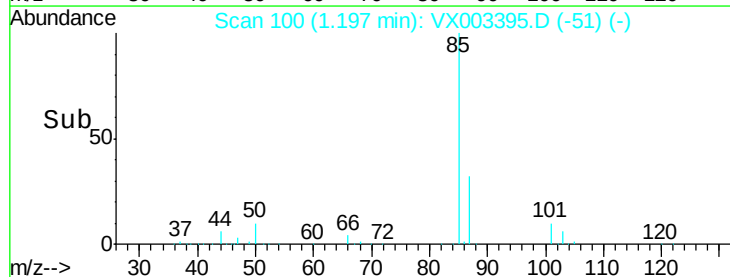
150000

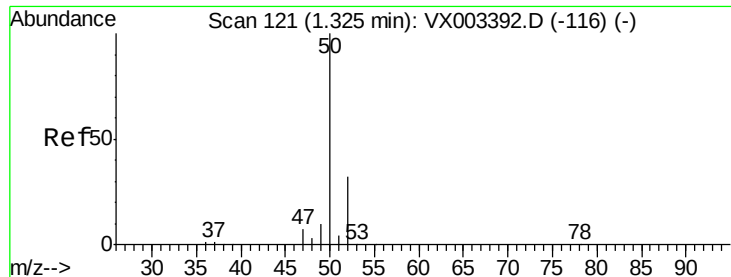
100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 43.44 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

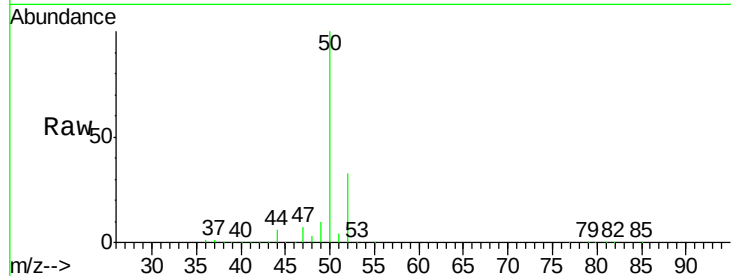
ICVVX071618

Tot Ion: 50 Resp: 183553

Ion Ratio Lower Upper

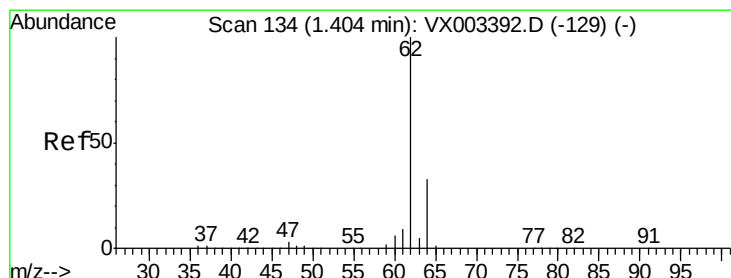
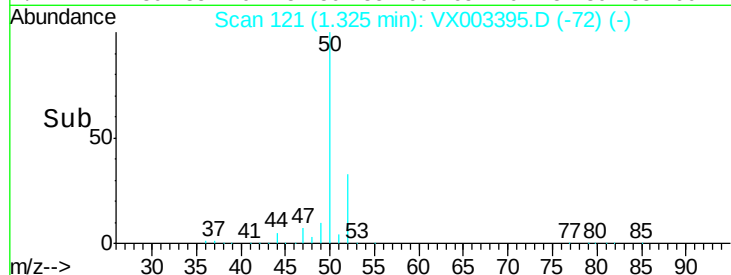
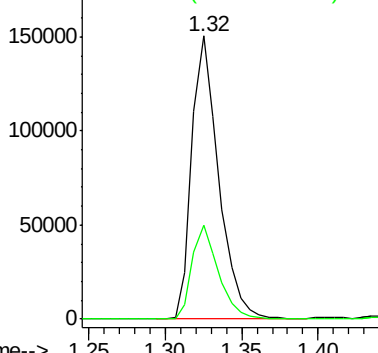
50 100

52 33.3 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: 44.59 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003395.D

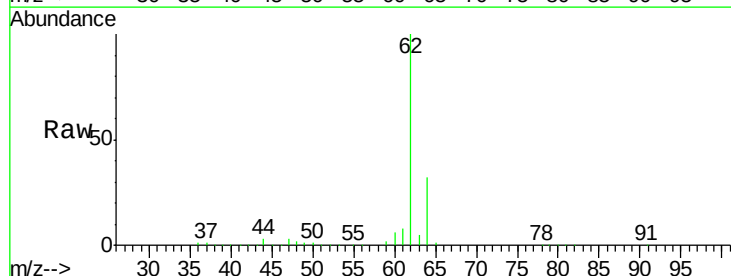
Acq: 16 Jul 2018 14:18

Tgt Ion: 62 Resp: 205331

Ion Ratio Lower Upper

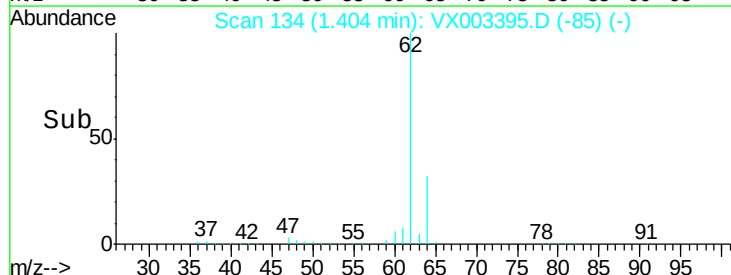
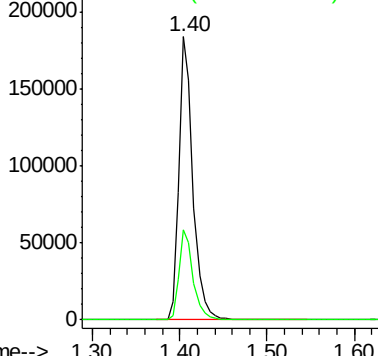
62 100

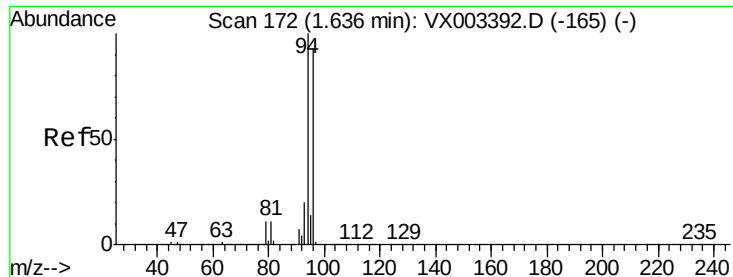
64 31.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 64.66 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampled :

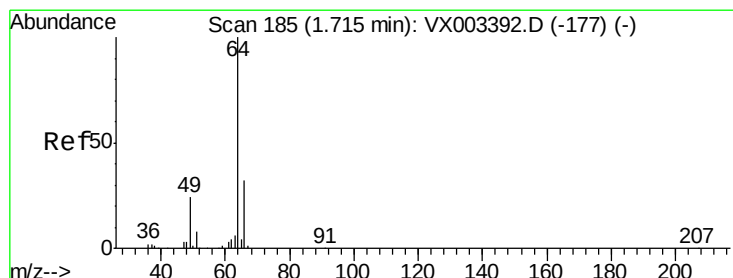
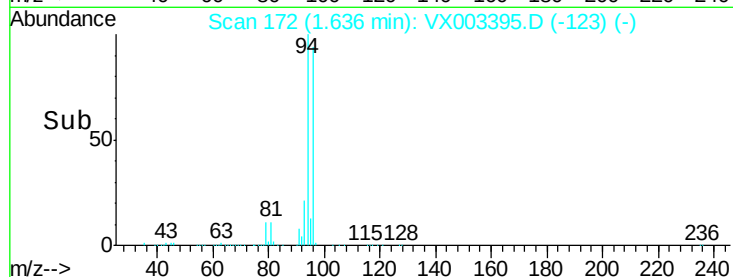
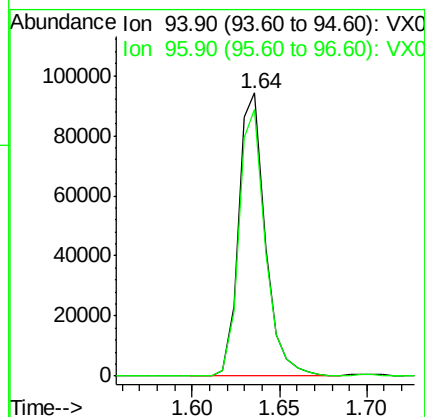
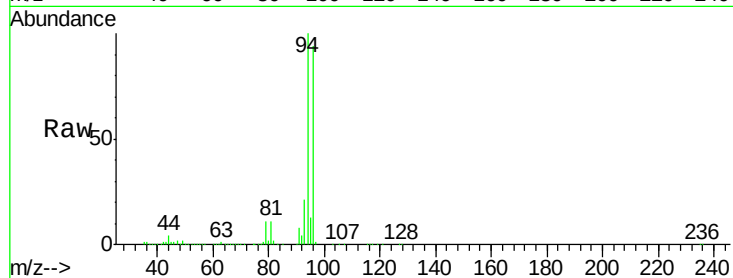
ICVVX071618

Tot Ion: 94 Resp: 99582

Ion Ratio Lower Upper

94 100

96 94.5 74.9 112.3



#6

Chloroethane

Concen: 49.94 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003395.D

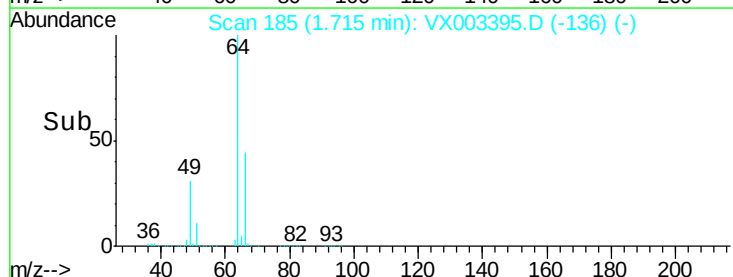
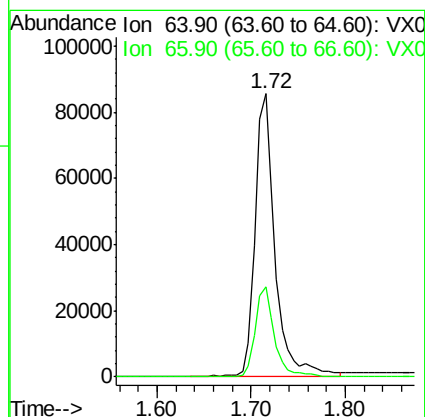
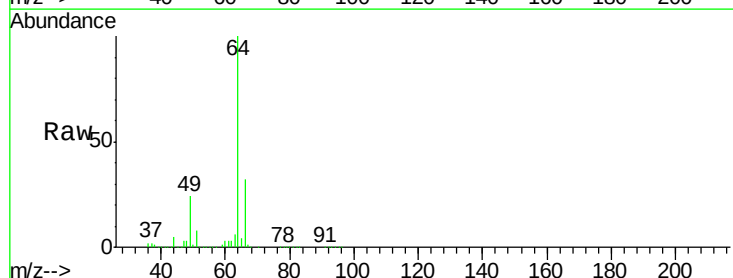
Acq: 16 Jul 2018 14:18

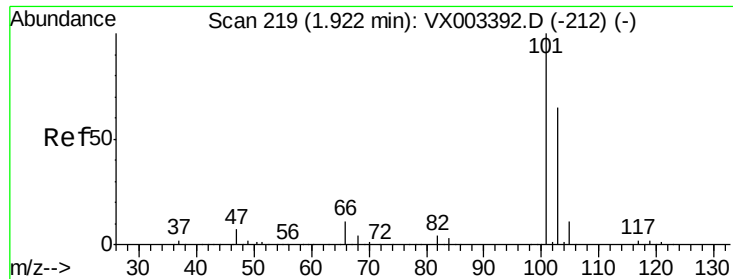
Tgt Ion: 64 Resp: 127286

Ion Ratio Lower Upper

64 100

66 31.8 25.5 38.3



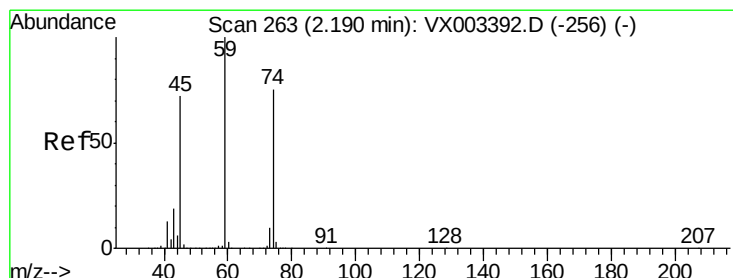
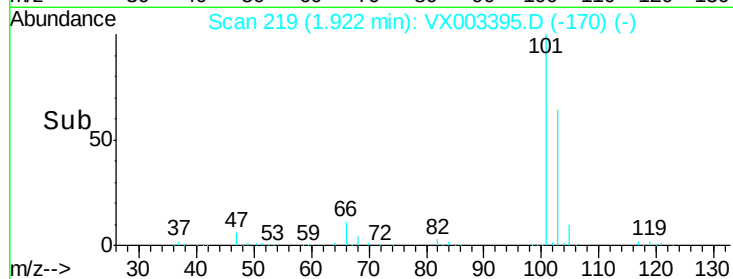
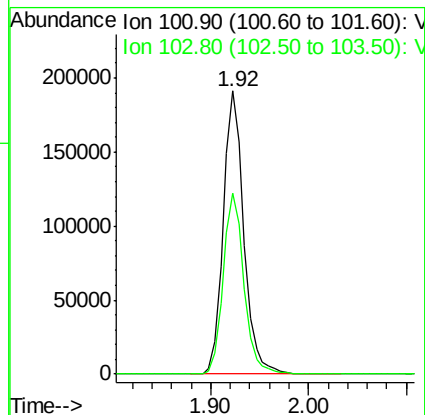
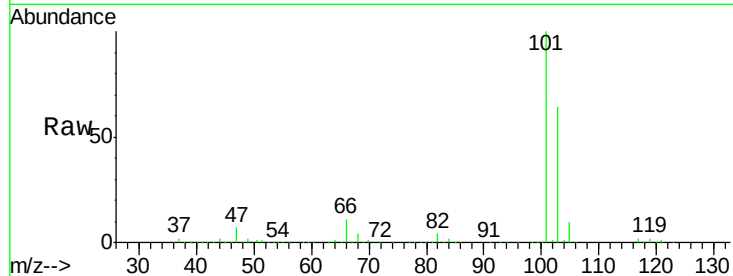


#7

Trichlorofluoromethane
 Concen: 45.62 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

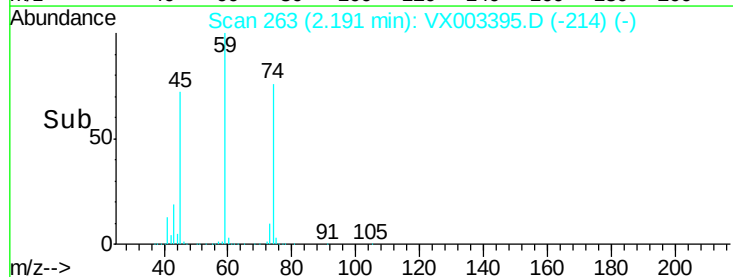
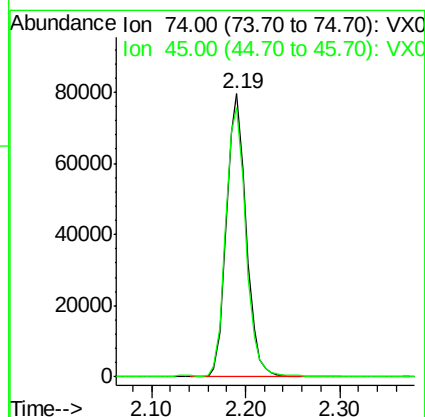
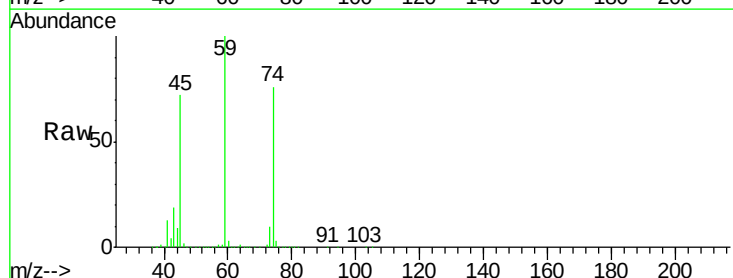
Tot Ion:101 Resp: 278629
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.8 79.2

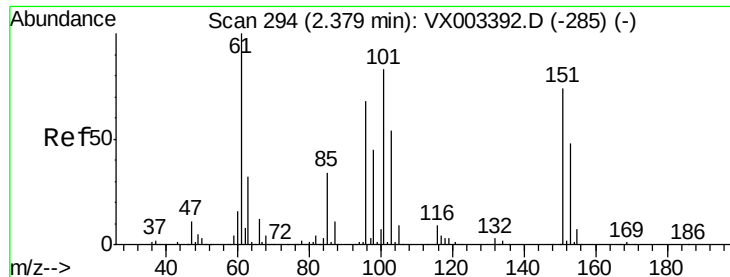


#8

Diethyl Ether
 Concen: 44.20 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion: 74 Resp: 115511
 Ion Ratio Lower Upper
 74 100
 45 96.9 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.88 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

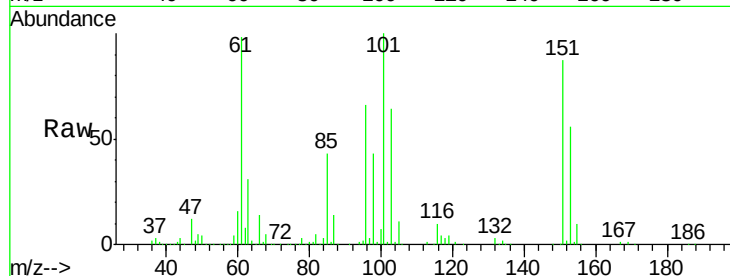
Tot Ion:101 Resp: 177027

Ion Ratio Lower Upper

101 100

85 41.8 36.0 54.0

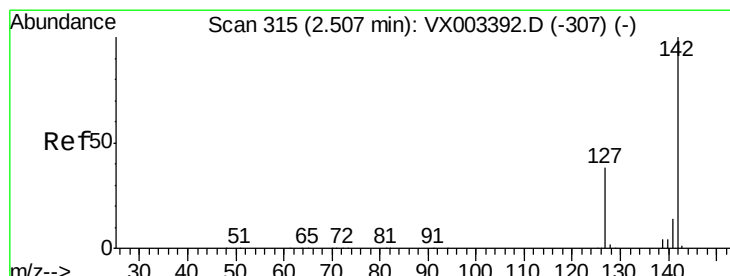
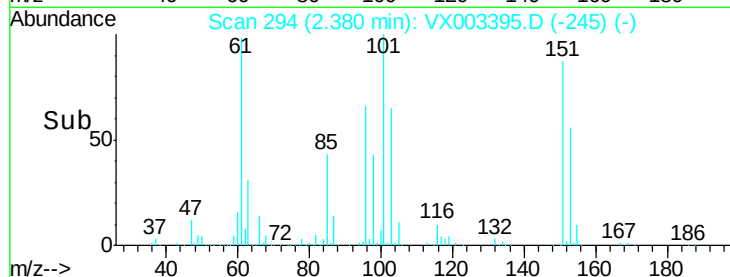
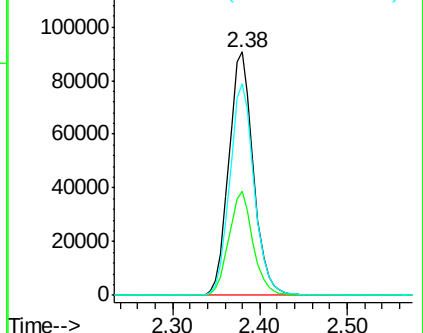
151 86.7 70.9 106.3



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: 42.32 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

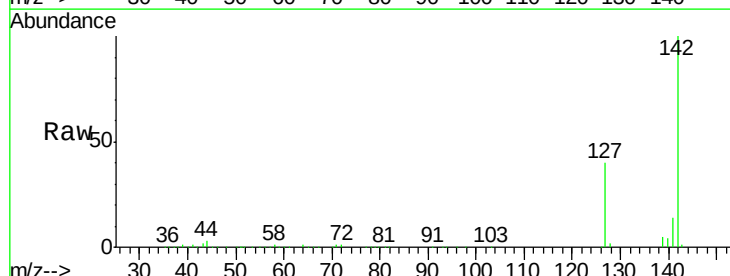
Tgt Ion:142 Resp: 174682

Ion Ratio Lower Upper

142 100

127 39.6 36.6 55.0

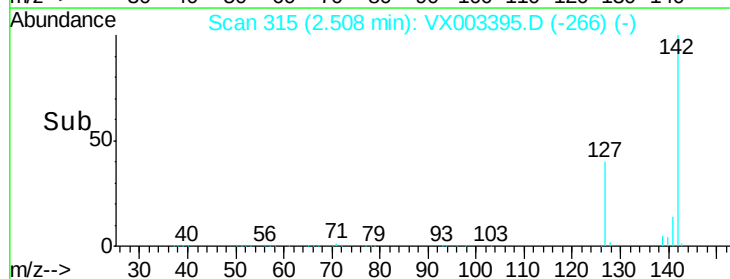
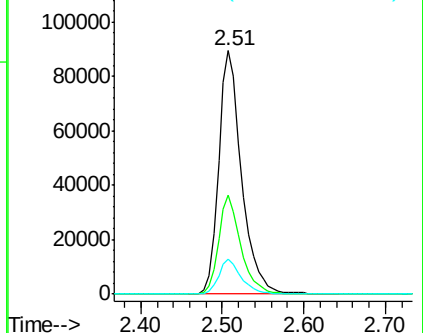
141 14.1 11.3 16.9

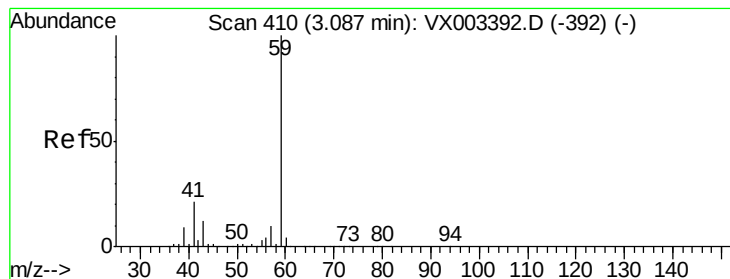


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



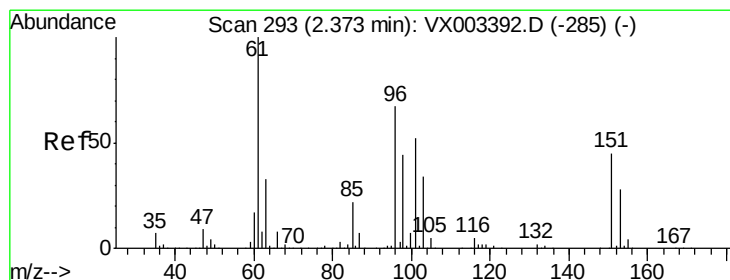
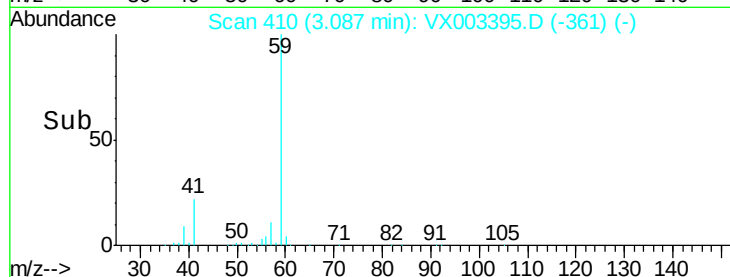
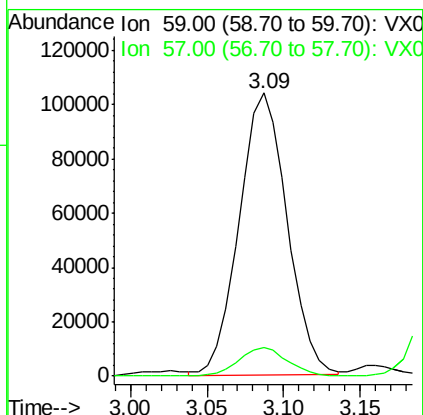
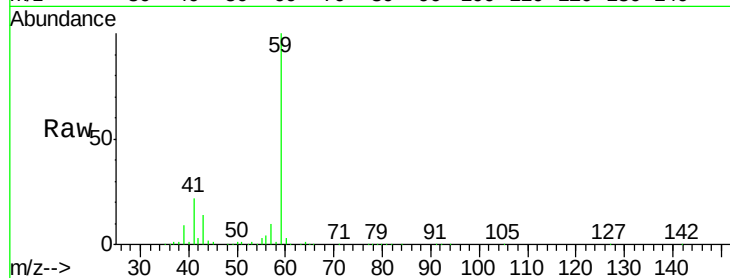


#11

Tert butyl alcohol
 Concen: 222.44 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

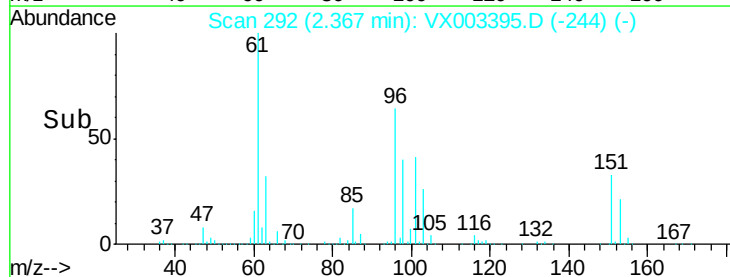
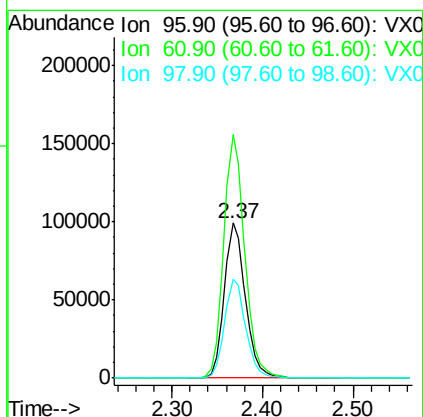
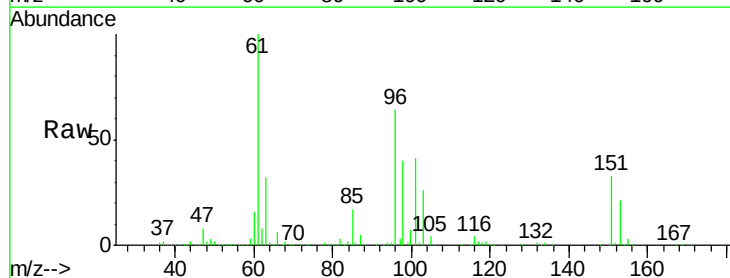
Tot Ion: 59 Resp: 226599
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

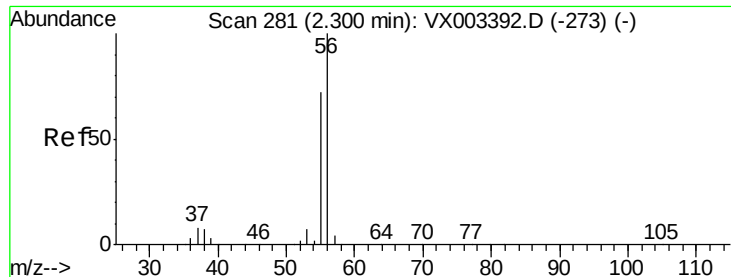


#12

1,1-Dichloroethene
 Concen: 43.97 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion: 96 Resp: 160306
 Ion Ratio Lower Upper
 96 100
 61 157.1 137.9 206.9
 98 63.5 51.6 77.4





#13

Acrolein

Concen: 200.35 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

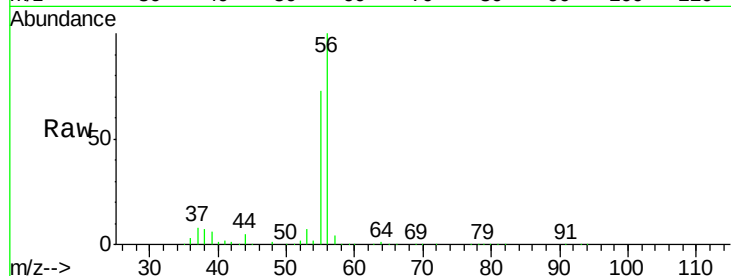
ICVVX071618

Tot Ion: 56 Resp: 97904

Ion Ratio Lower Upper

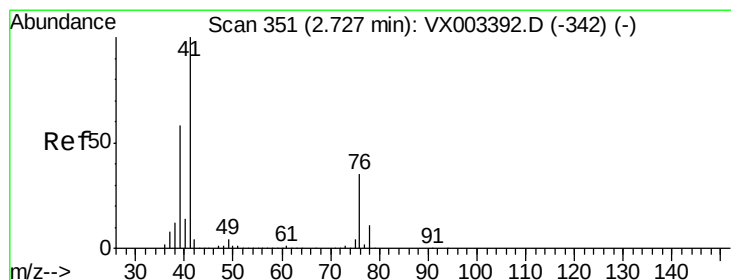
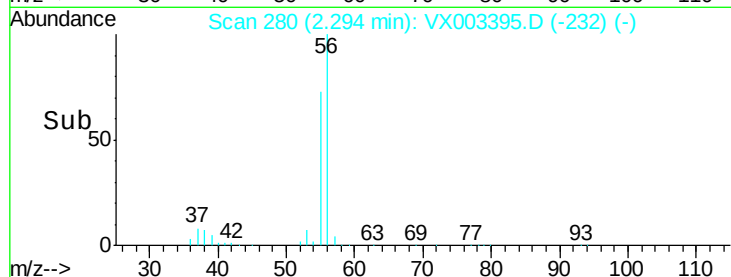
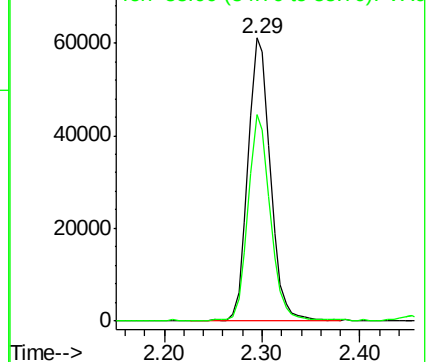
56 100

55 71.3 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: 45.65 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

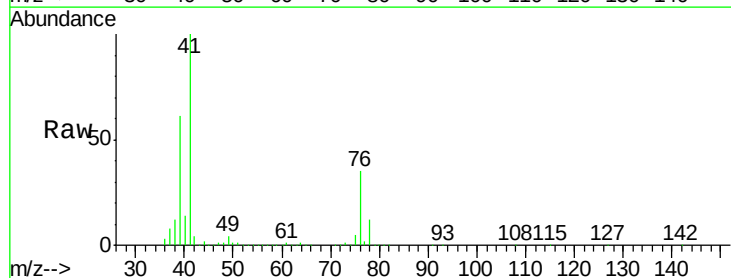
Tgt Ion: 41 Resp: 301933

Ion Ratio Lower Upper

41 100

39 58.1 56.8 85.2

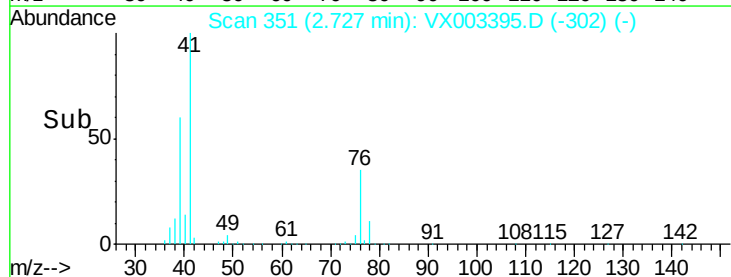
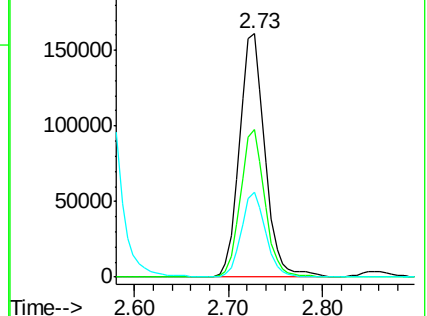
76 33.3 23.8 35.8

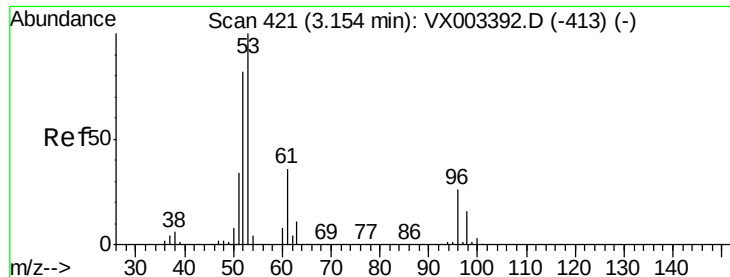


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 221.80 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

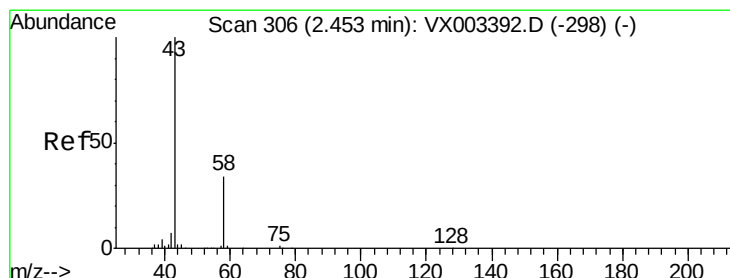
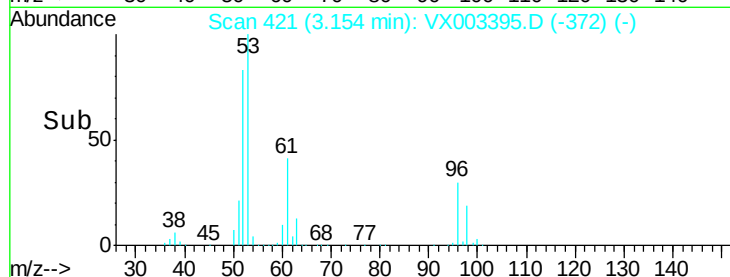
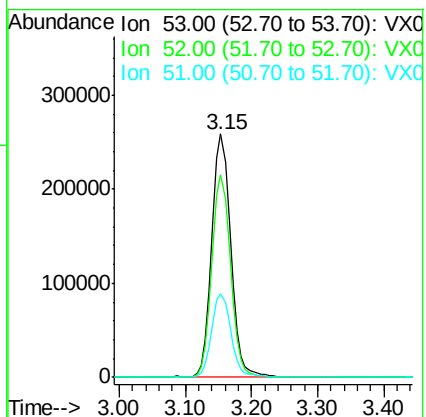
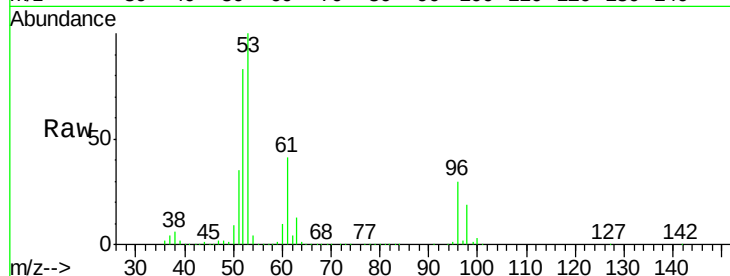
Tot Ion: 53 Resp: 517664

Ion Ratio Lower Upper

53 100

52 82.4 66.7 100.1

51 35.2 29.9 44.9



#16

Acetone

Concen: 225.11 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX003395.D

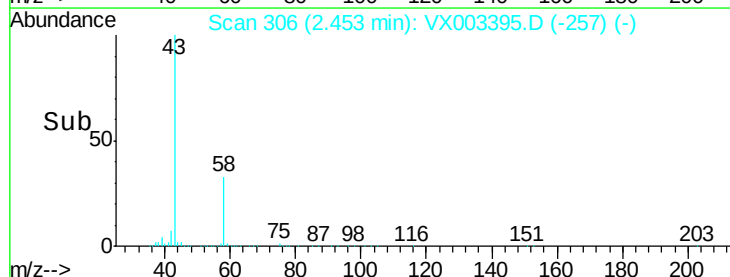
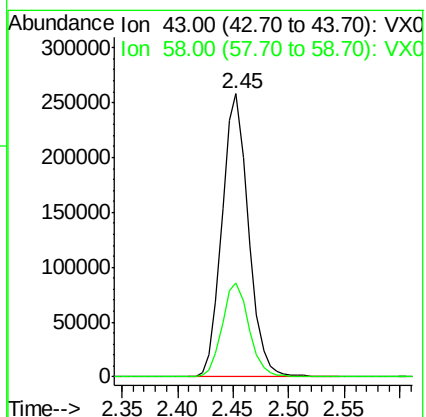
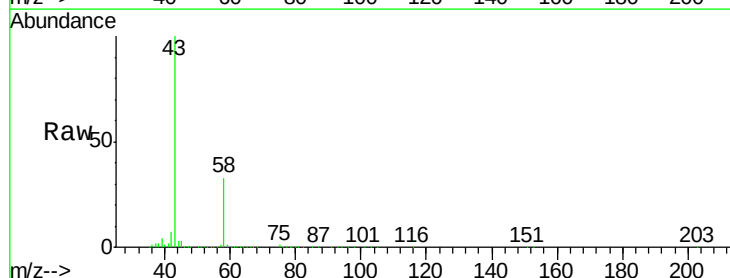
Acq: 16 Jul 2018 14:18

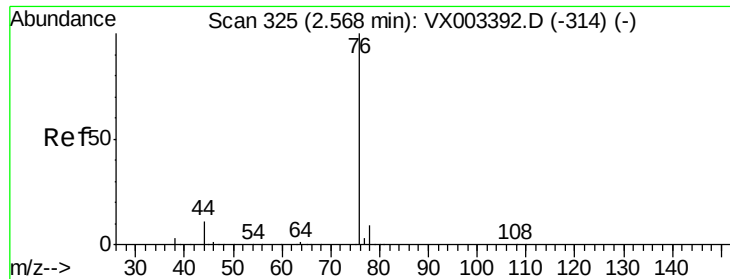
Tgt Ion: 43 Resp: 424127

Ion Ratio Lower Upper

43 100

58 33.2 22.1 33.1#





#17

Carbon Disulfide

Concen: 44.25 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

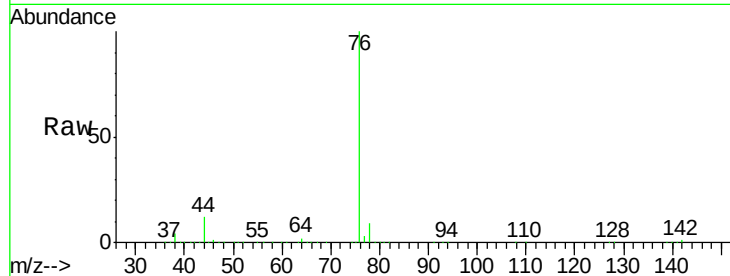
ICVVX071618

Tot Ion: 76 Resp: 442732

Ion Ratio Lower Upper

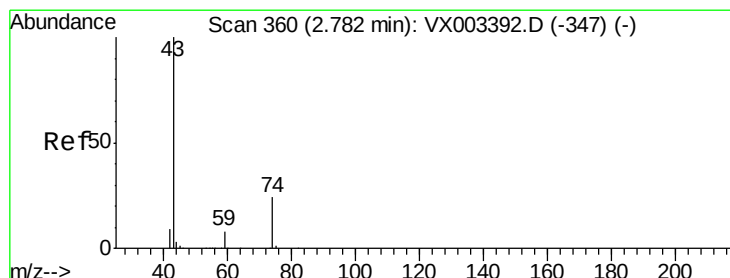
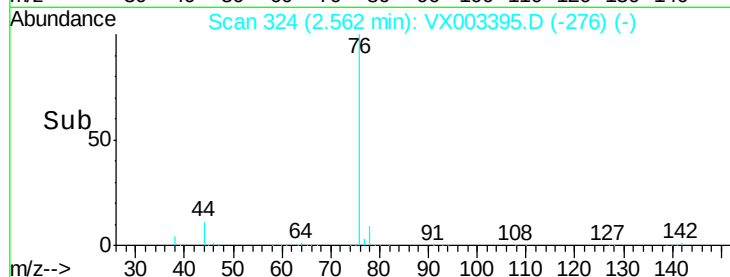
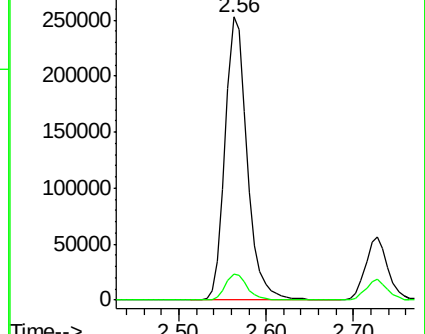
76 100

78 9.2 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.78 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003395.D

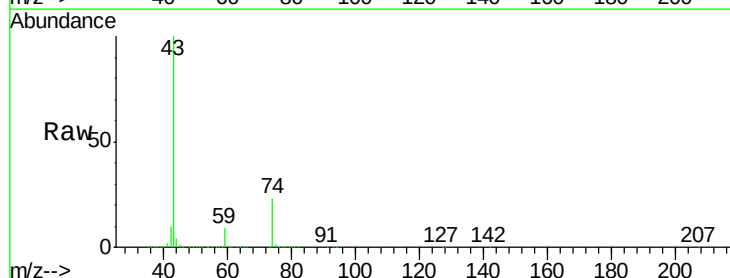
Acq: 16 Jul 2018 14:18

Tgt Ion: 43 Resp: 299375

Ion Ratio Lower Upper

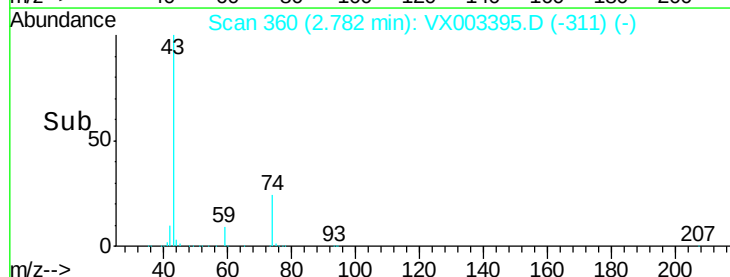
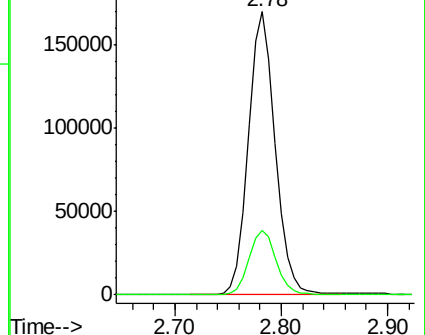
43 100

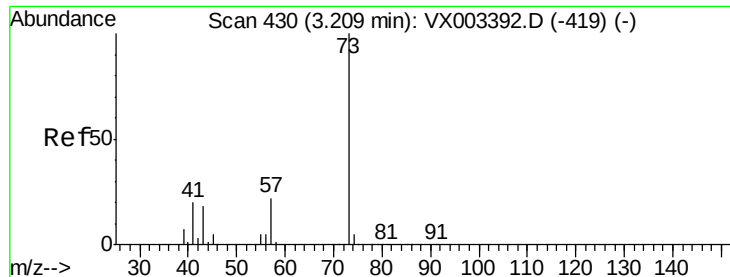
74 23.6 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



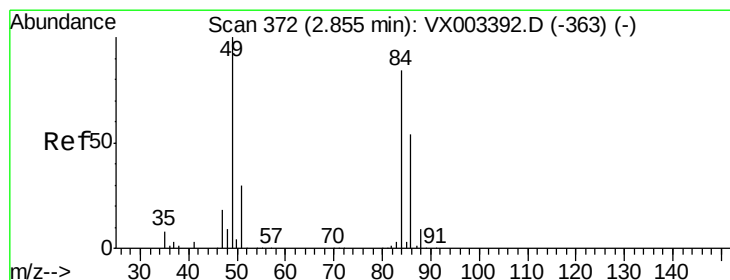
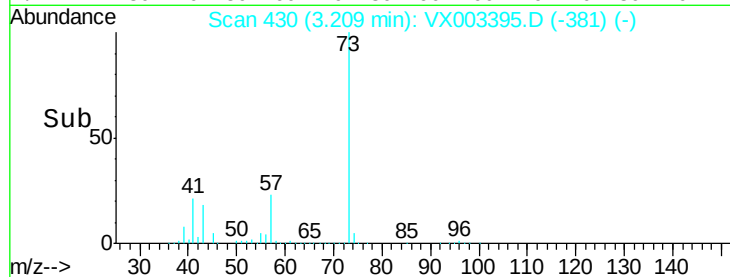
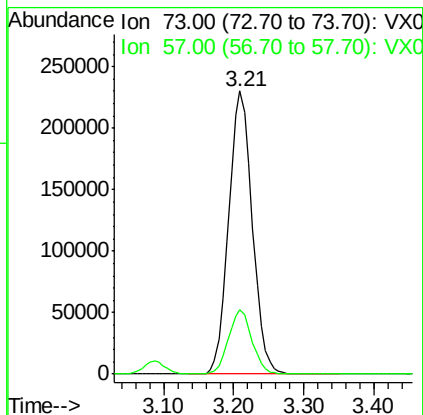
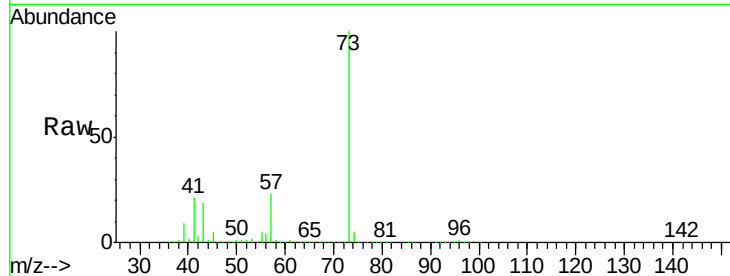


#19

Methyl tert-butyl Ether
 Concen: 44.62 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

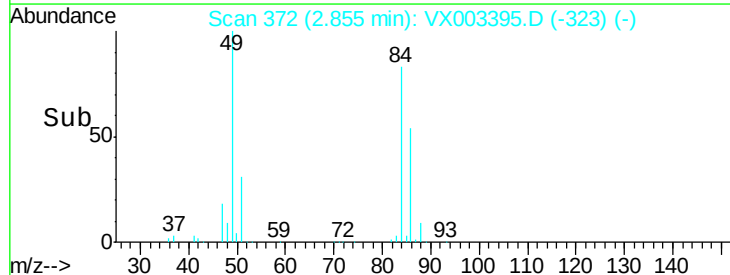
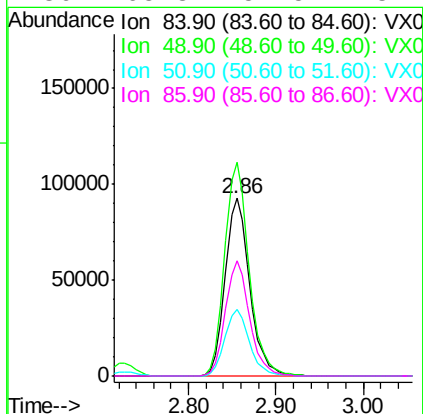
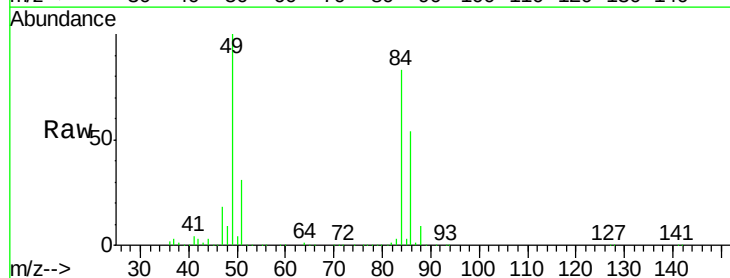
Tot Ion: 73 Resp: 540175
 Ion Ratio Lower Upper
 73 100
 57 22.6 17.7 26.5

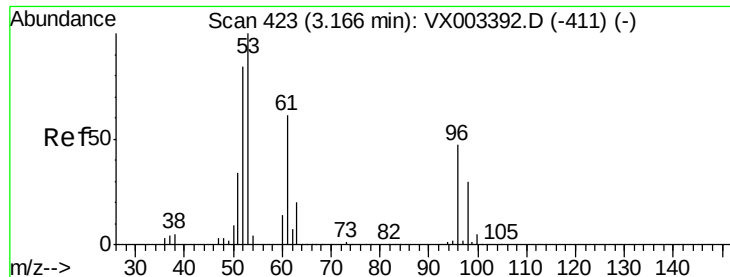


#20

Methylene Chloride
 Concen: 53.59 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion: 84 Resp: 180747
 Ion Ratio Lower Upper
 84 100
 49 120.4 107.8 161.6
 51 37.3 32.8 49.2
 86 65.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 43.73 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

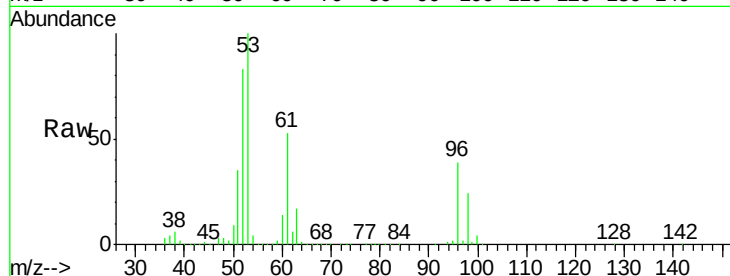
Tot Ion: 96 Resp: 172195

Ion Ratio Lower Upper

96 100

61 138.1 117.0 175.4

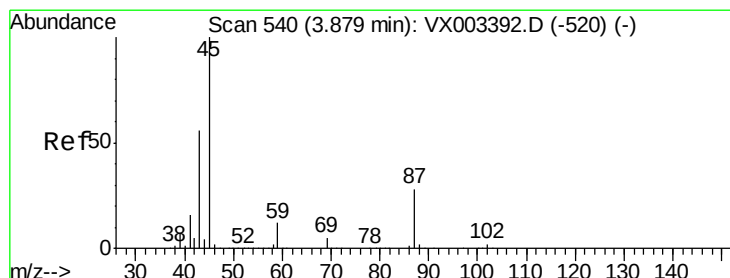
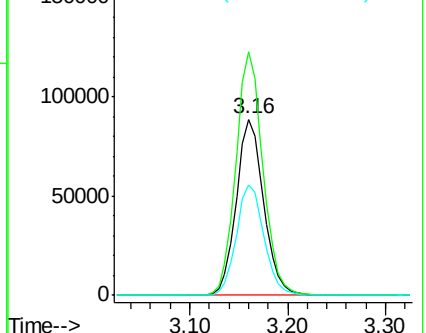
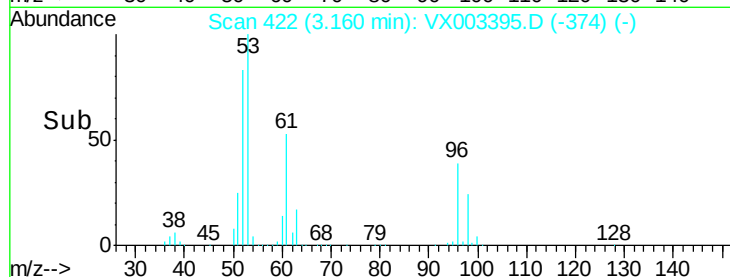
98 63.1 52.4 78.6



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: 43.77 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Tgt Ion: 45 Resp: 561505

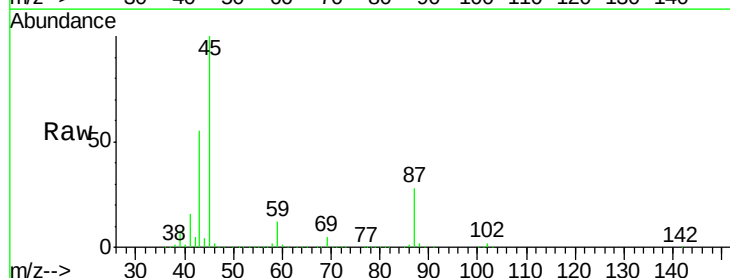
Ion Ratio Lower Upper

45 100

43 54.5 46.8 70.2

87 28.1 20.2 30.4

59 12.0 8.7 13.1

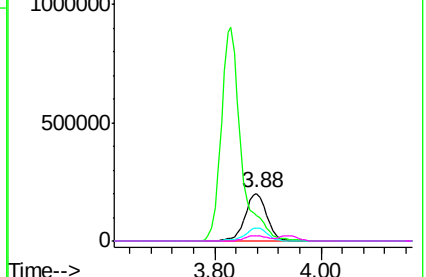
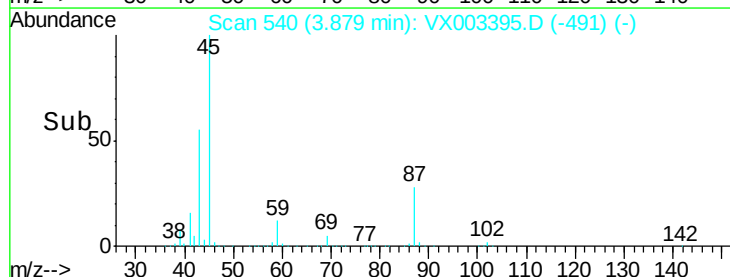


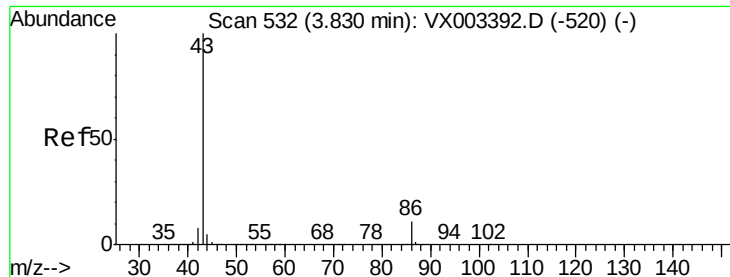
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 222.75 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

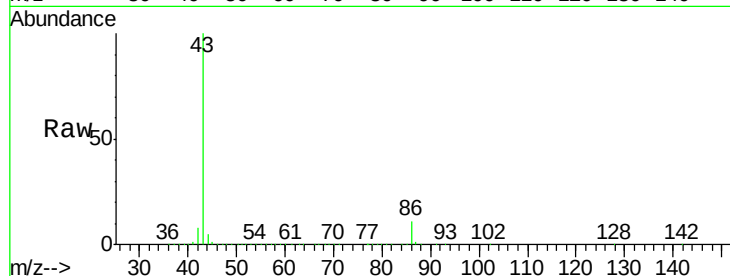
ICVVX071618

Tot Ion: 43 Resp: 2356841

Ion Ratio Lower Upper

43 100

86 10.6 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

800000

600000

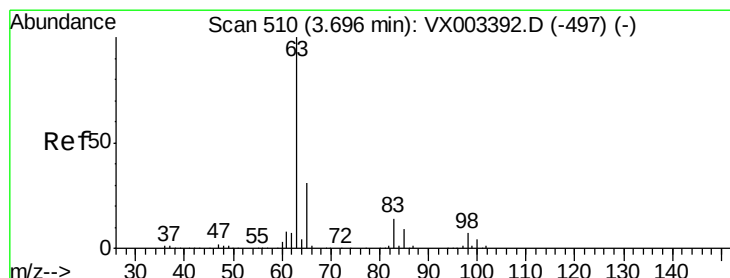
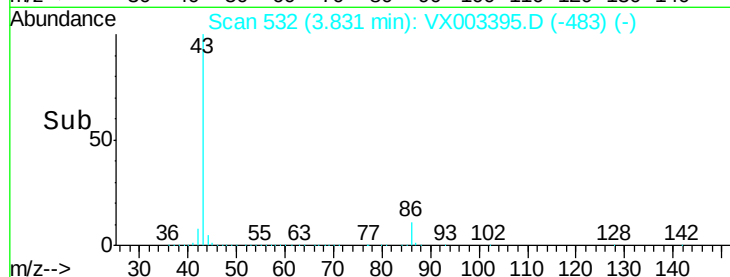
400000

200000

0

Time-->

3.80 4.00



#24

1,1-Dichloroethane

Concen: 43.72 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

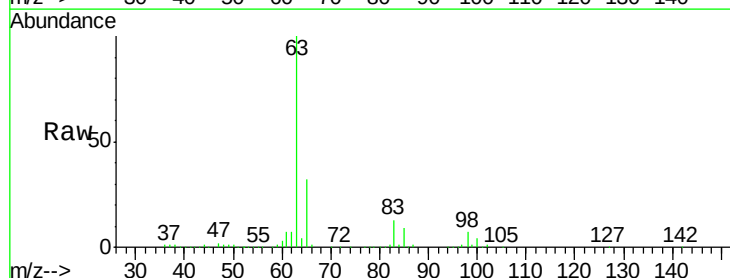
Tgt Ion: 63 Resp: 318212

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.1 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

150000

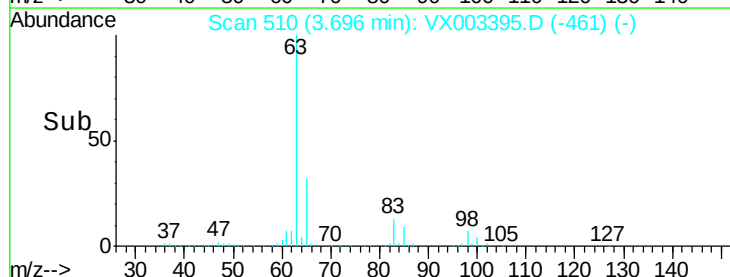
100000

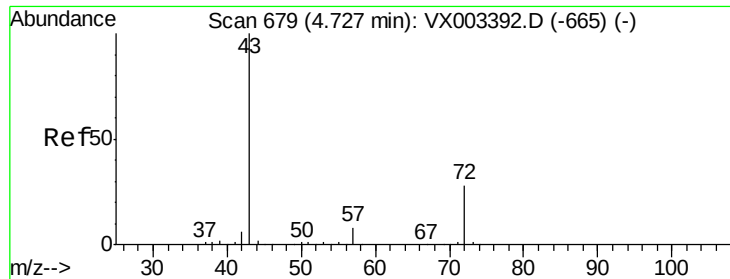
50000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 225.17 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampled :

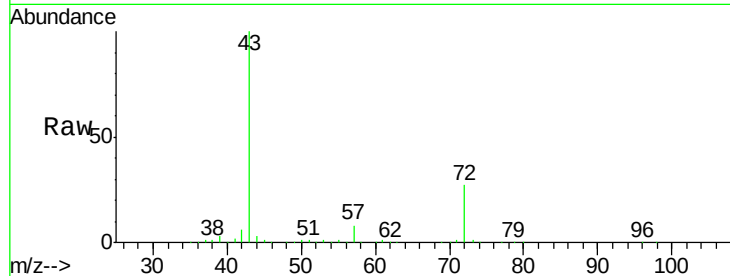
ICVVX071618

Tot Ion: 43 Resp: 663945

Ion Ratio Lower Upper

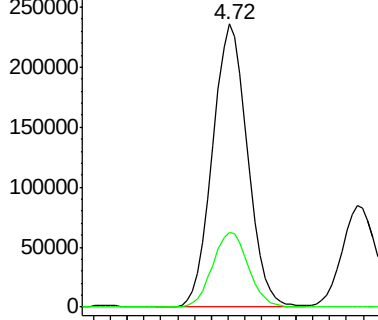
43 100

72 26.6 18.5 27.7

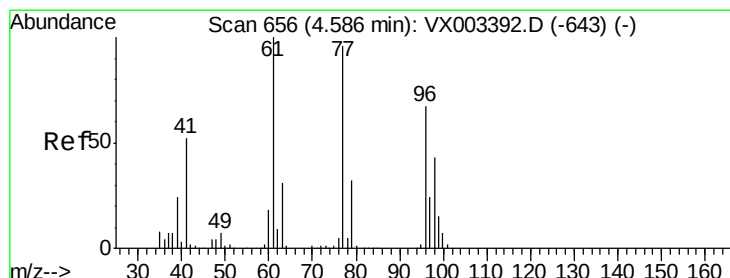
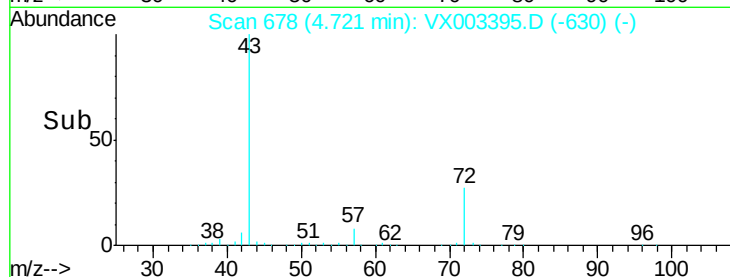


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 47.85 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003395.D

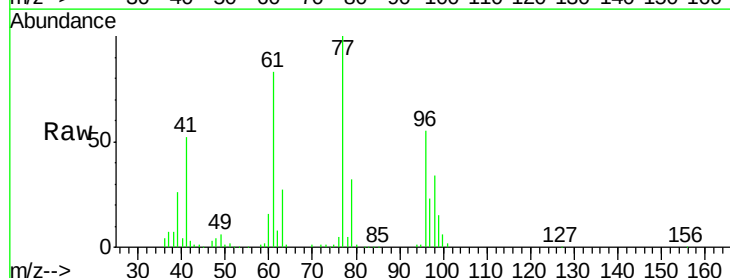
Acq: 16 Jul 2018 14:18

Tgt Ion: 77 Resp: 244458

Ion Ratio Lower Upper

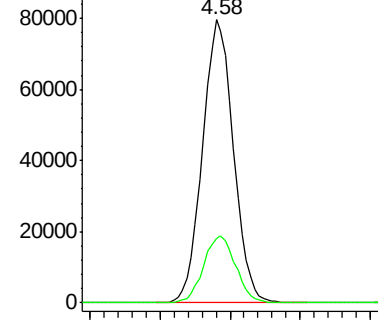
77 100

97 24.5 11.2 33.5

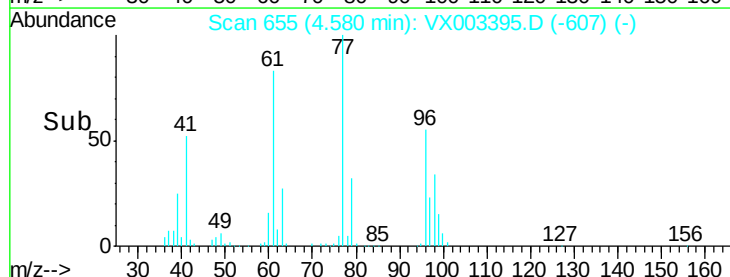


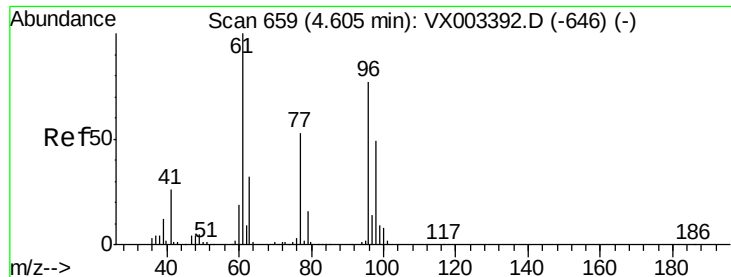
Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->



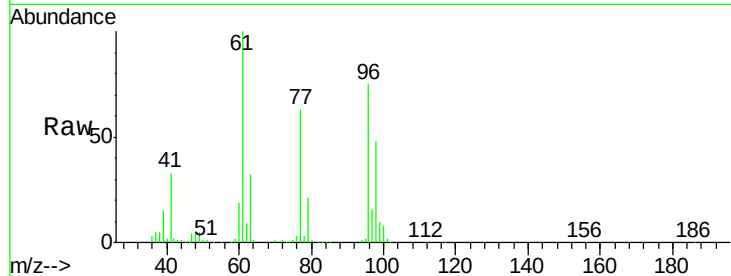


#27

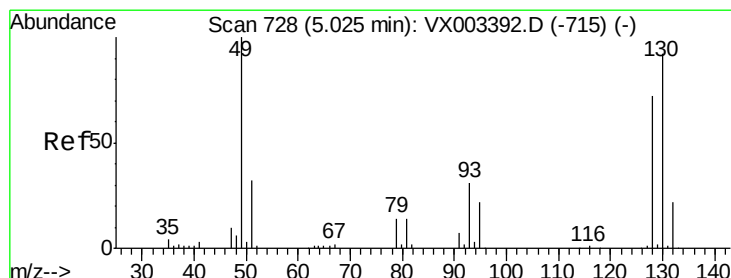
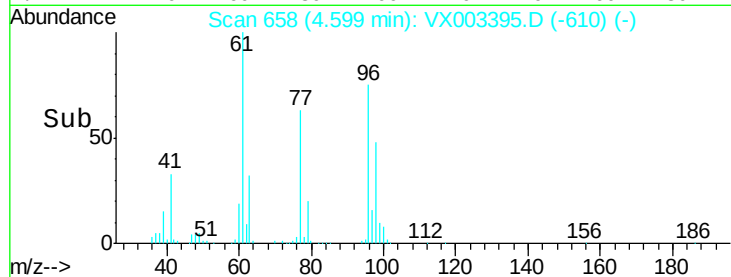
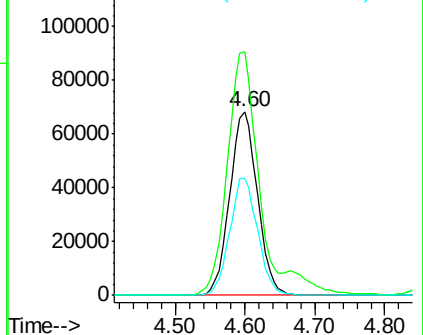
cis-1,2-Dichloroethene
 Concen: 44.51 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	330.2
98	64.3	0.0	130.2



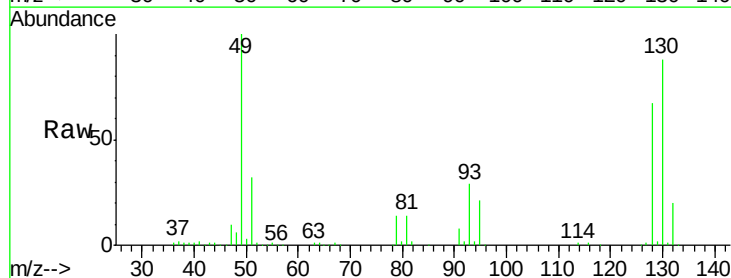
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



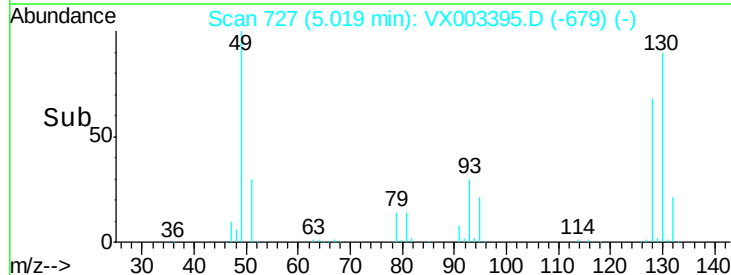
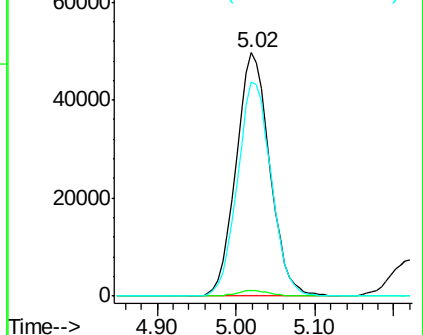
#28

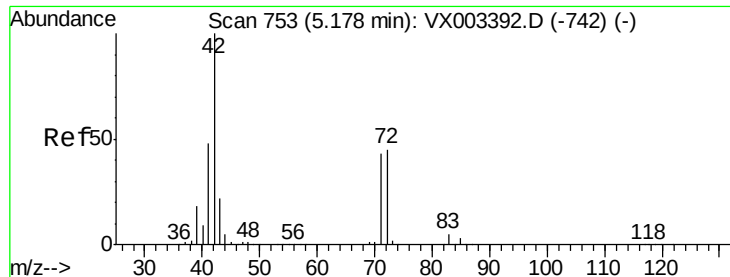
Bromochloromethane
 Concen: 46.79 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	88.2	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

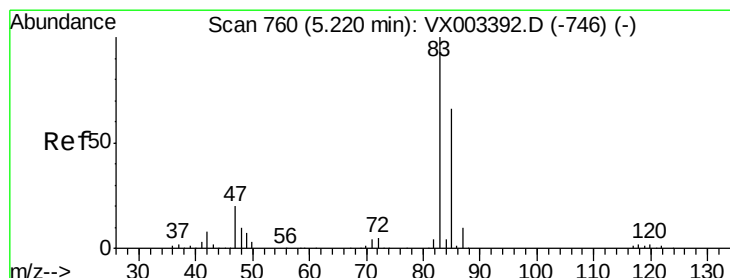
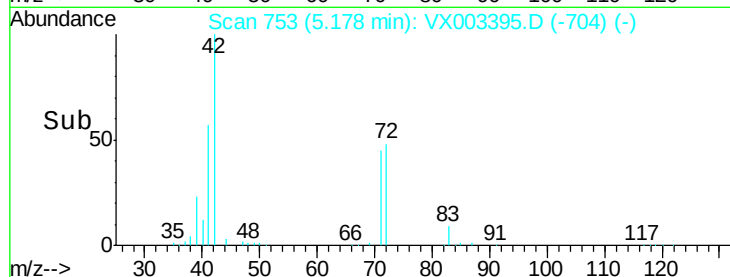
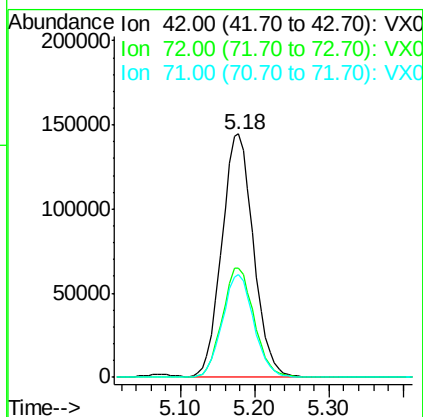
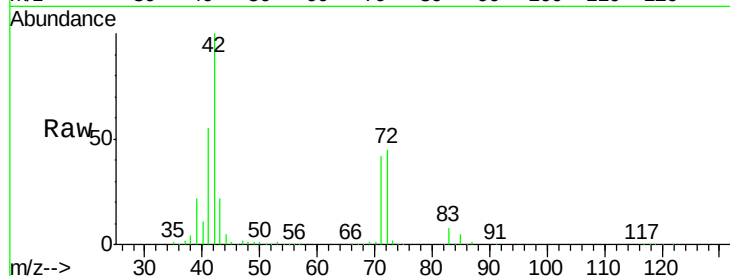




#29
Tetrahydrofuran
Concen: 228.47 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

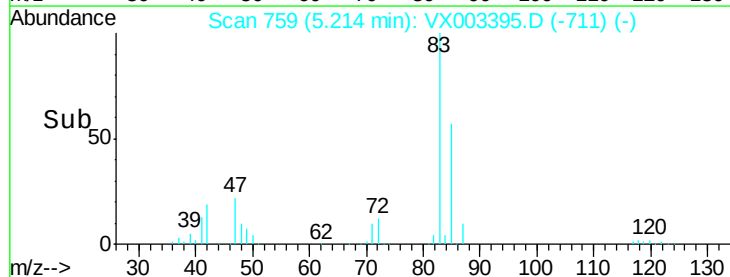
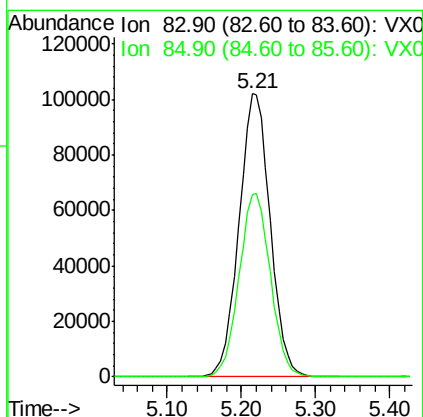
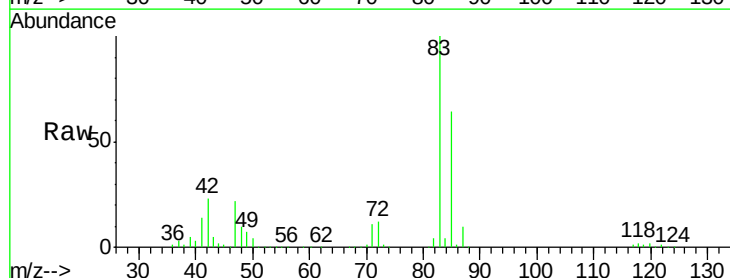
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

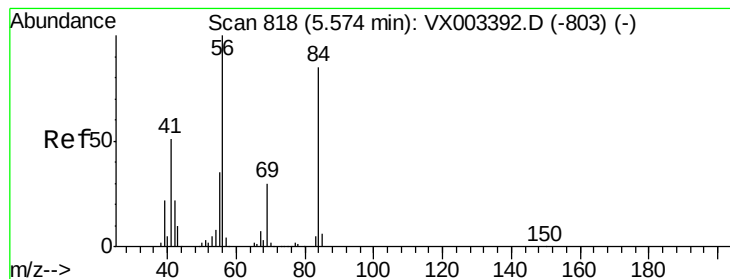
Tot Ion: 42 Resp: 427248
Ion Ratio Lower Upper
42 100
72 45.3 32.0 48.0
71 42.1 30.1 45.1



#30
Chloroform
Concen: 44.66 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion: 83 Resp: 299541
Ion Ratio Lower Upper
83 100
85 64.4 50.4 75.6





#31

Cyclohexane

Concen: 46.90 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVX071618

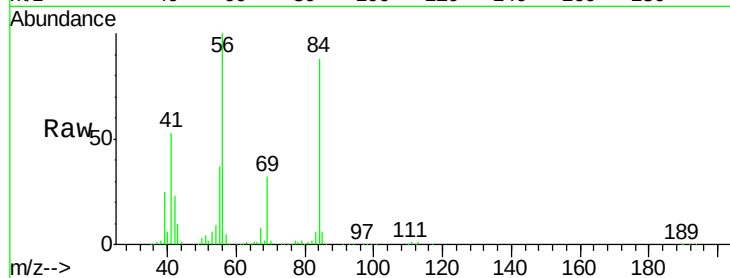
Tot Ion: 56 Resp: 263593

Ion Ratio Lower Upper

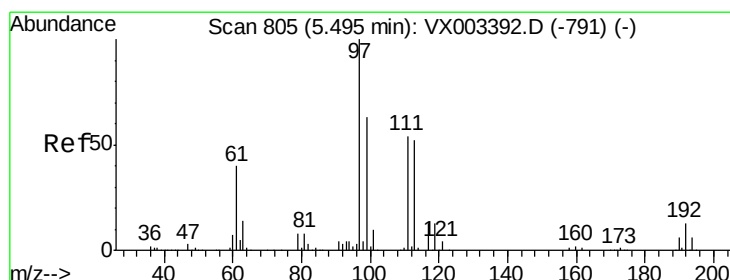
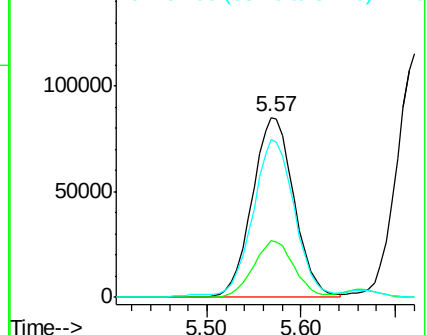
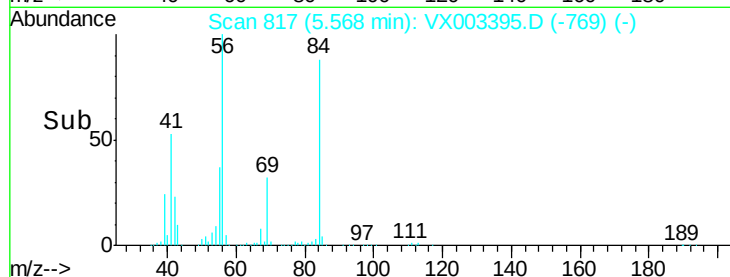
56 100

69 31.6 23.7 35.5

84 86.4 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: 45.50 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

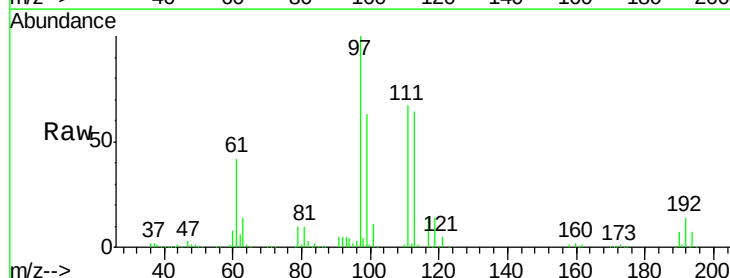
Tgt Ion: 97 Resp: 259528

Ion Ratio Lower Upper

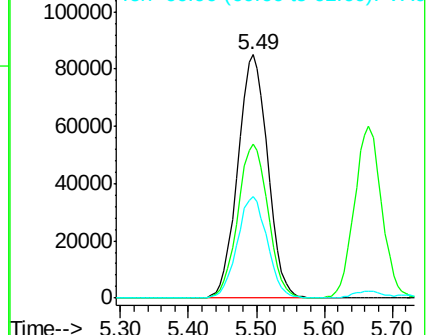
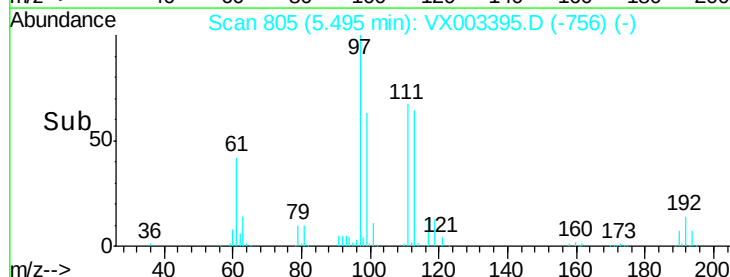
97 100

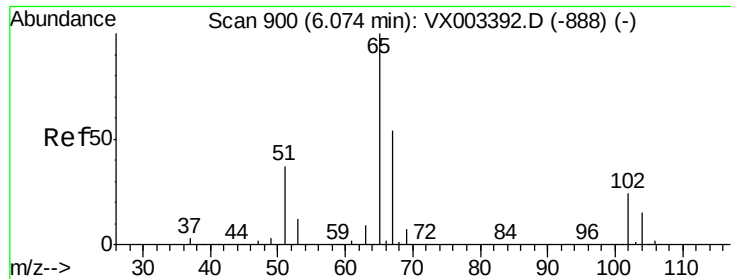
99 64.0 51.6 77.4

61 41.9 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

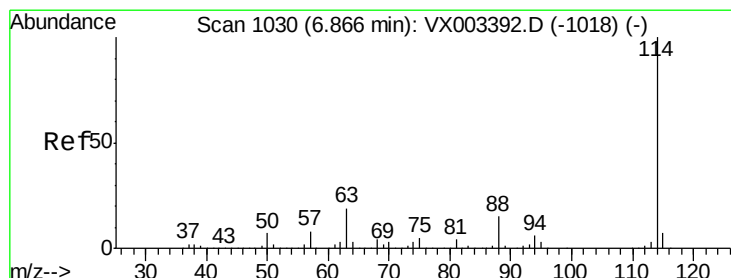
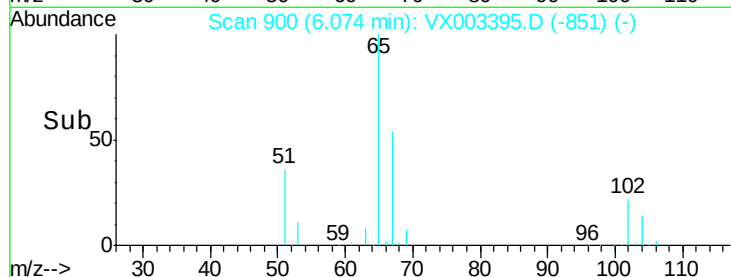
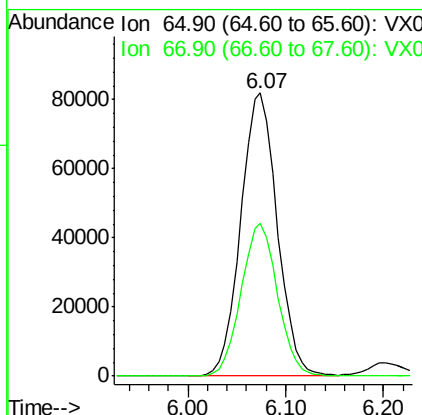
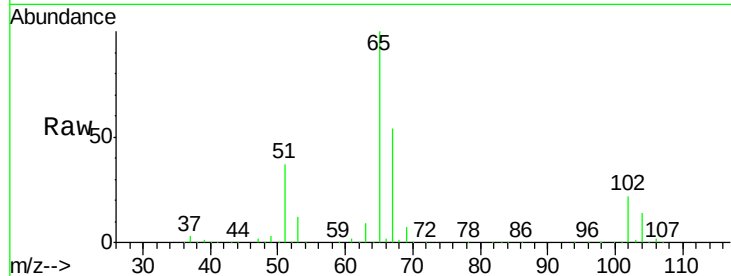




#33
 1,2-Dichloroethane-d4
 Concen: 46.67 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

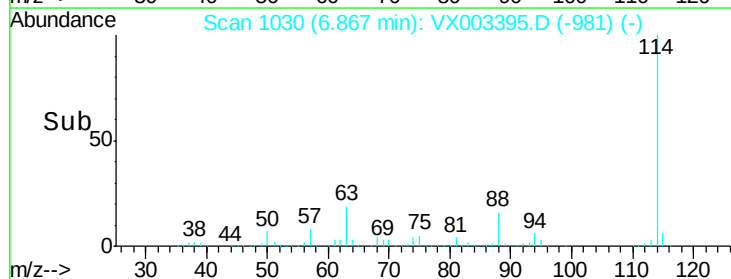
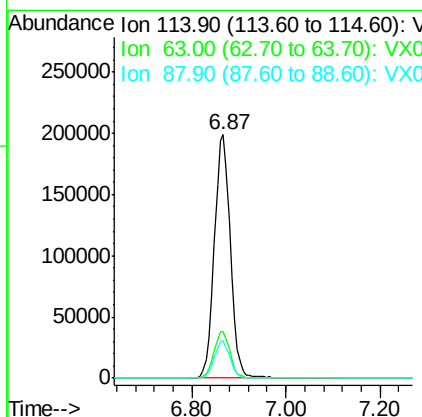
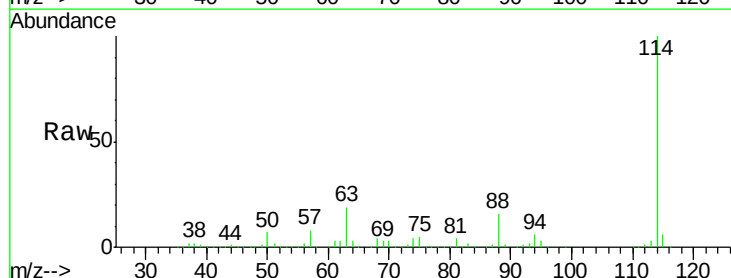
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

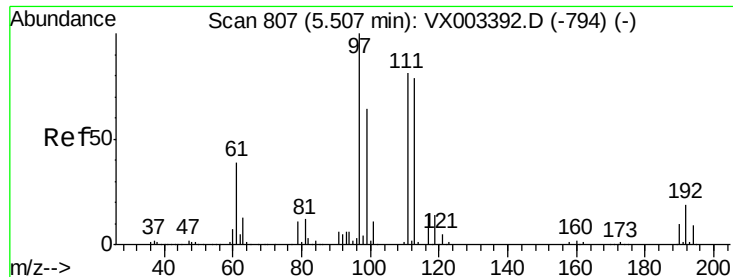
Tot Ion: 65 Resp: 211428
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion: 114 Resp: 467368
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 15.6 0.0 30.0

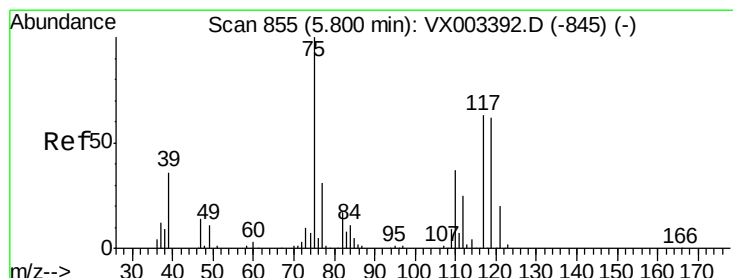
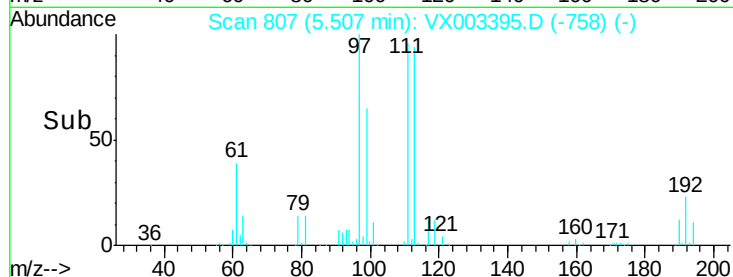
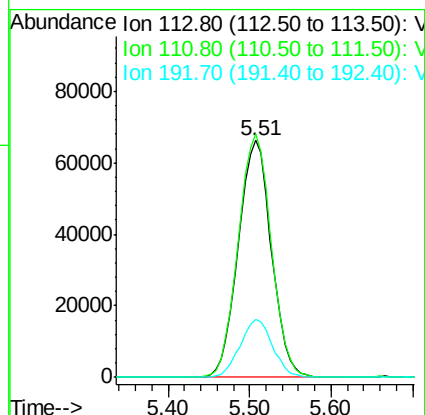
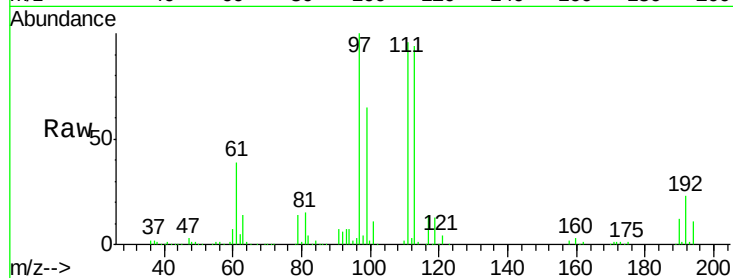




#35
Dibromofluoromethane
Concen: 49.15 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

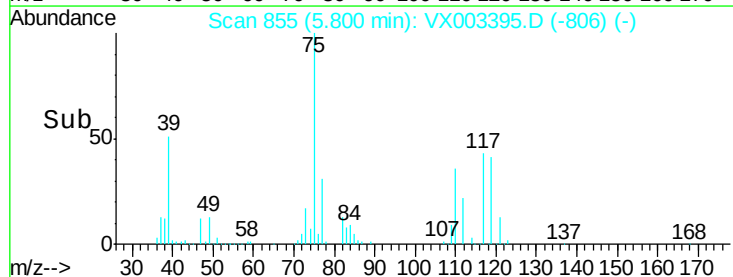
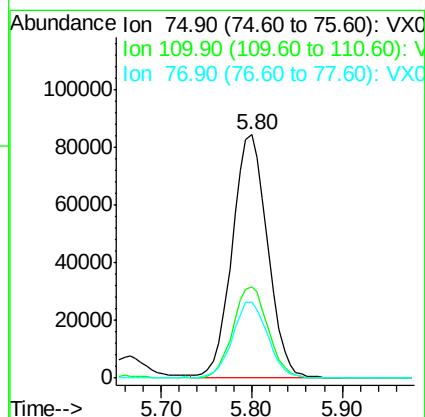
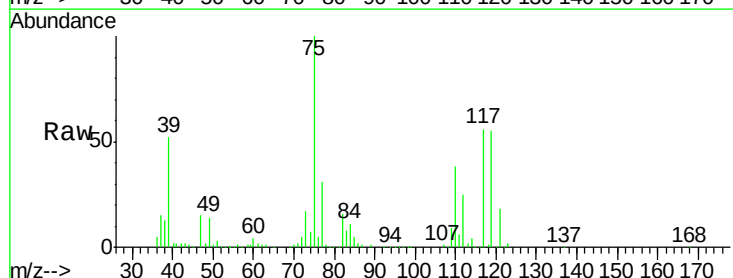
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

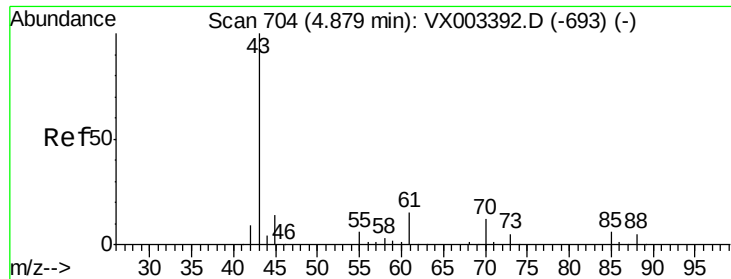
Tot Ion:113 Resp: 185854
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 24.1 19.1 28.7



#36
1,1-Dichloropropene
Concen: 48.25 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion: 75 Resp: 228356
Ion Ratio Lower Upper
75 100
110 37.9 18.1 54.4
77 31.3 24.3 36.5





#37

Ethyl Acetate

Concen: 45.82 ug/l

RT: 4.87 min Scan# 703

Delta R.T. -0.01 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

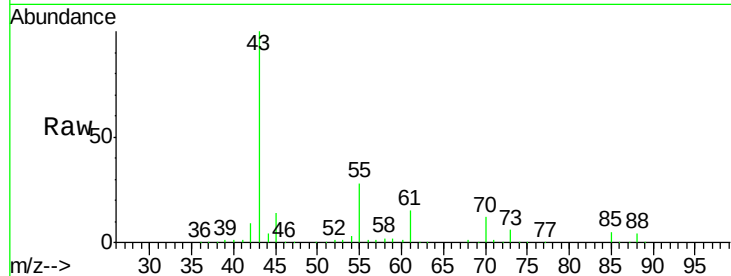
Tot Ion: 43 Resp: 244389

Ion Ratio Lower Upper

43 100

61 14.9 10.4 15.6

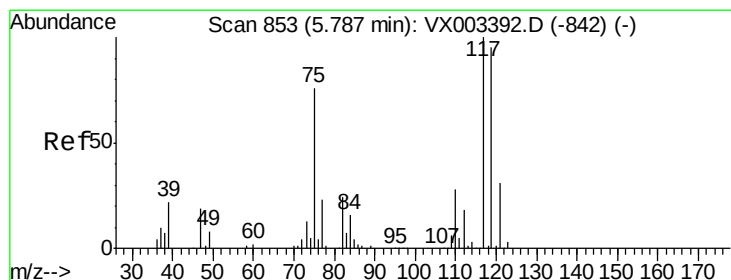
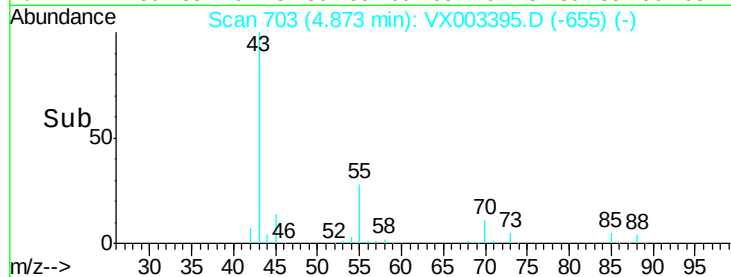
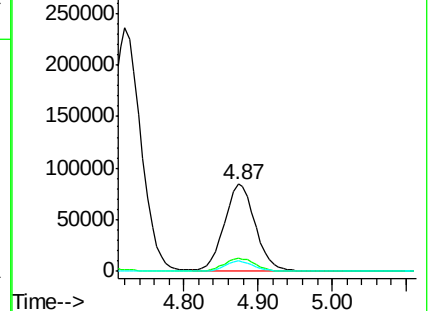
70 11.3 7.6 11.4



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: 47.76 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

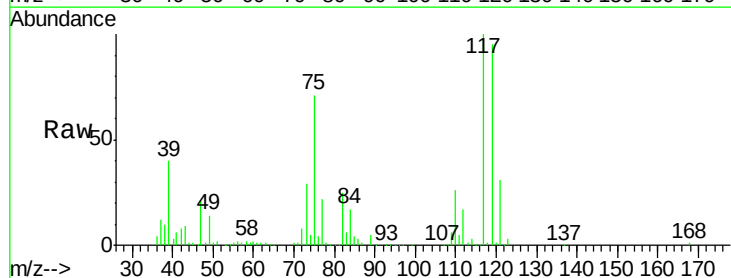
Tgt Ion: 117 Resp: 230021

Ion Ratio Lower Upper

117 100

119 94.8 77.4 116.0

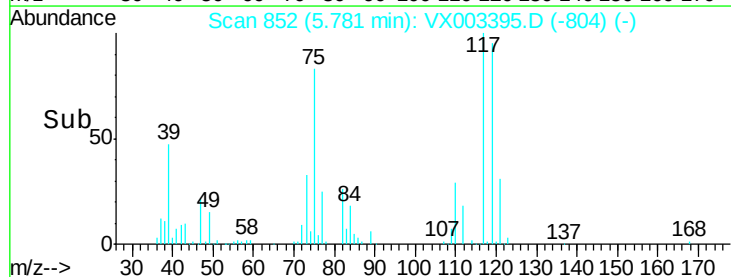
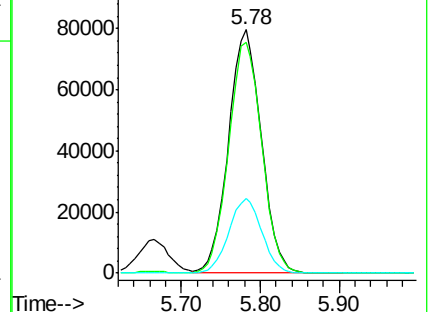
121 30.9 24.4 36.6

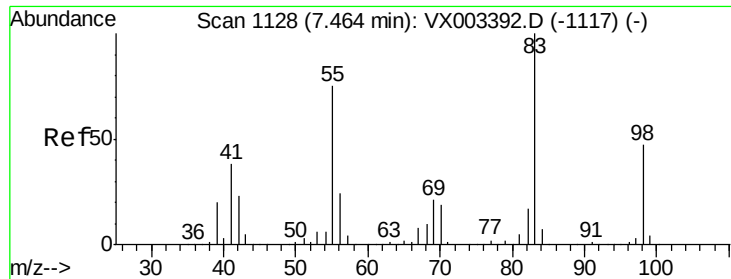


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

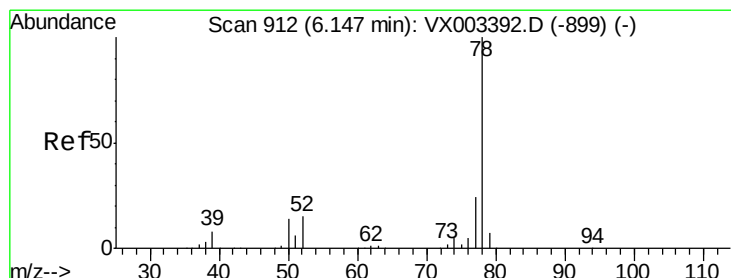
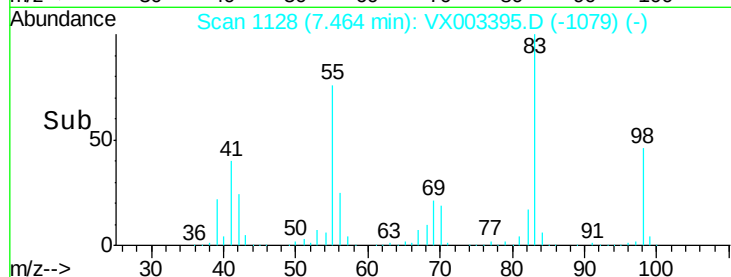
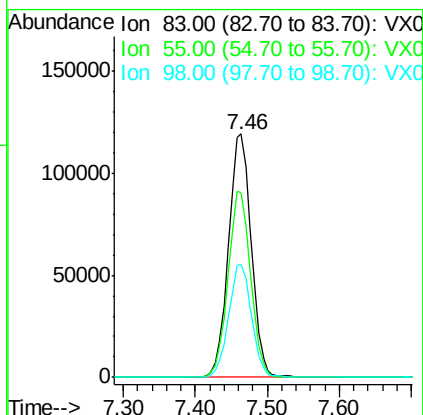
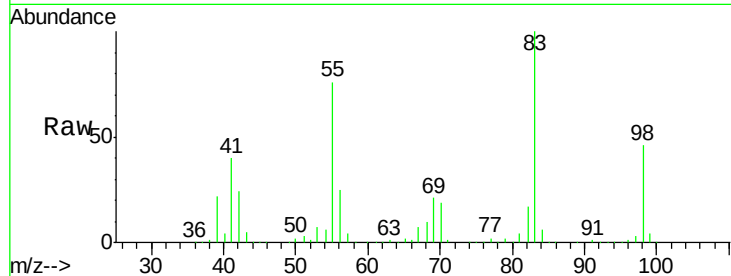




#39
Methylvlcyclohexane
Concen: 48.45 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

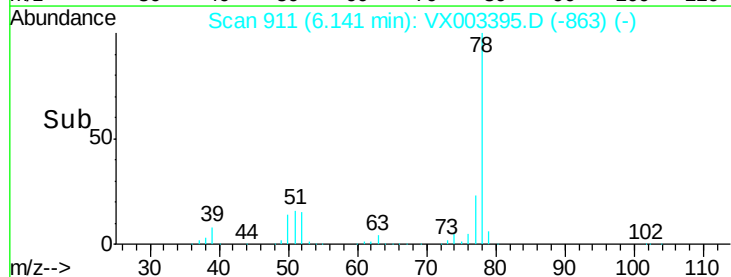
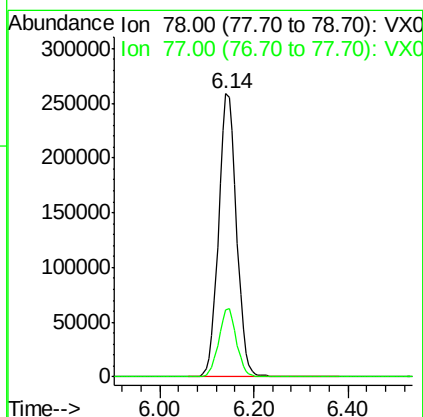
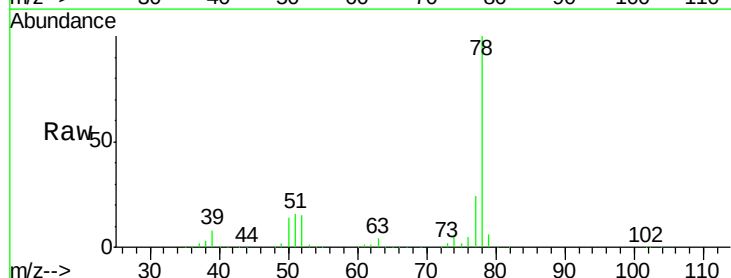
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

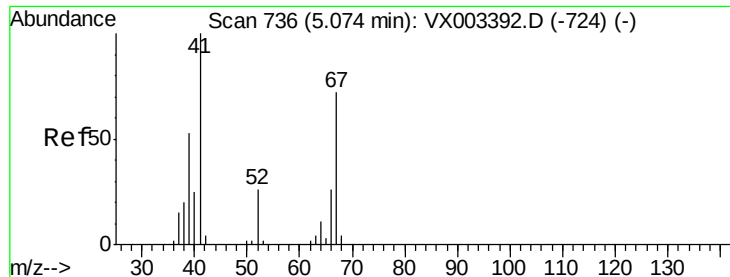
Tot Ion	83.00	Resp	262508
Ion	Ratio	Lower	Upper
83	100		
55	75.8	65.4	98.0
98	46.4	37.4	56.0



#40
Benzene
Concen: 47.46 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion	78	Resp	683363
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7

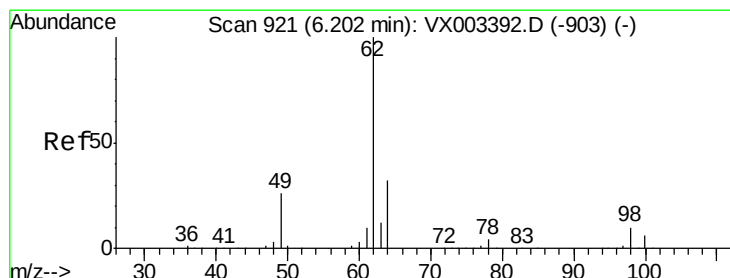
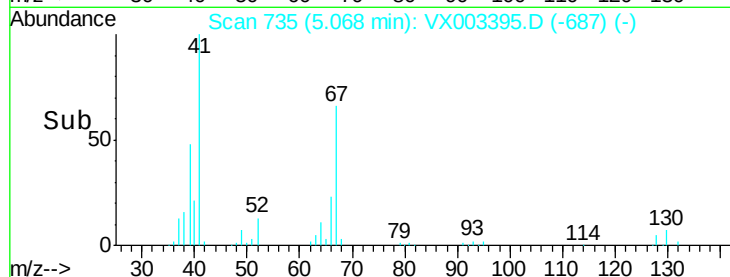
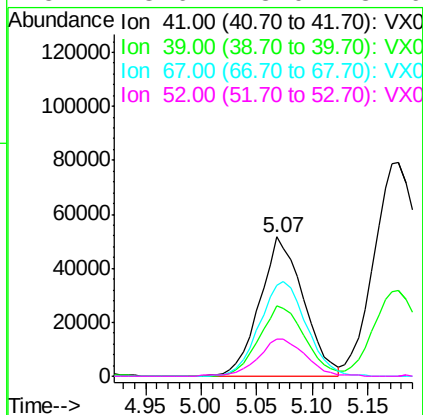
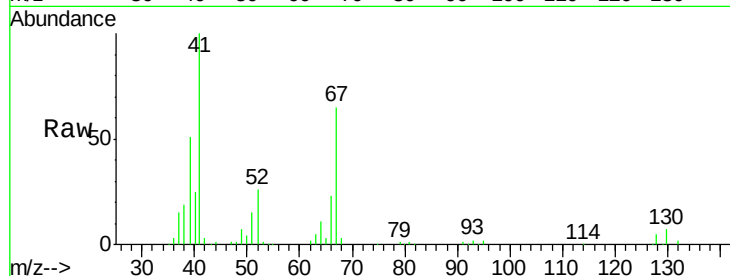




#41
Methacrylonitrile
Concen: 48.08 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

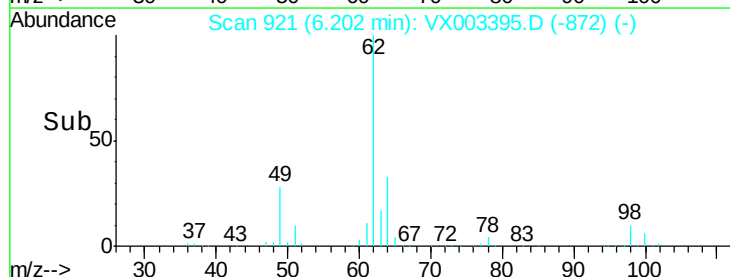
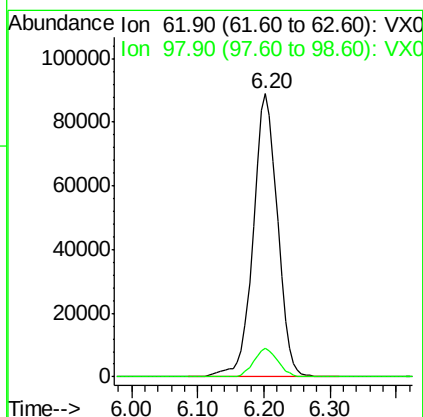
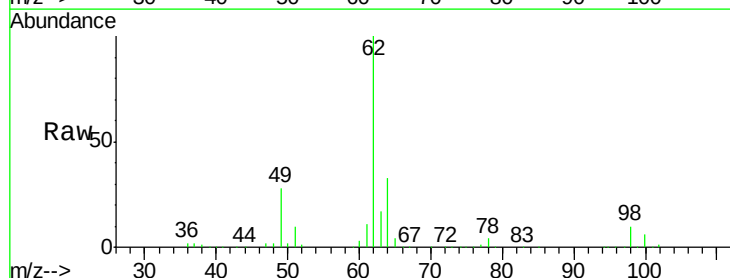
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

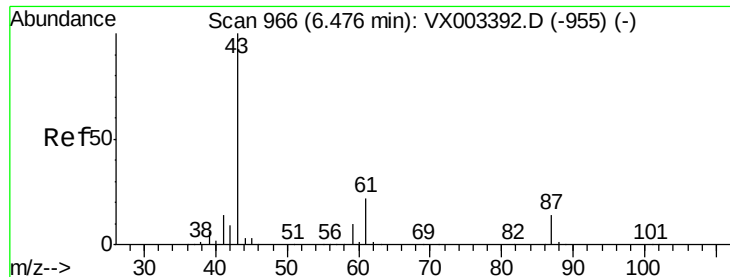
Tot Ion:	41	Resp:	141006
Ion	Ratio	Lower	Upper
41	100		
39	52.5	45.8	68.6
67	73.3	51.3	76.9
52	28.6	23.0	34.6



#42
1,2-Dichloroethane
Concen: 46.10 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion:	62	Resp:	227656
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	16.6



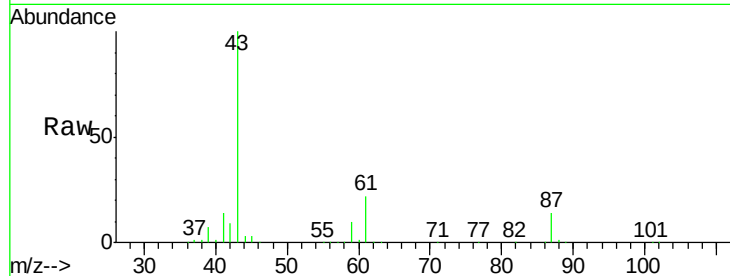


#43

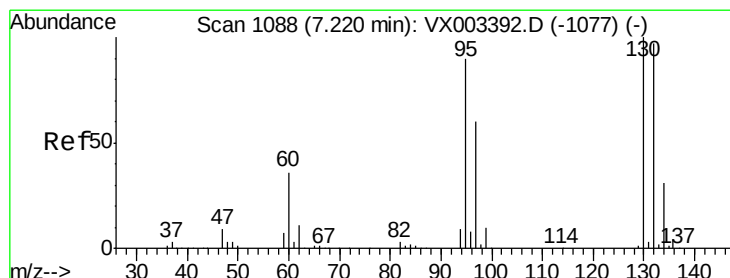
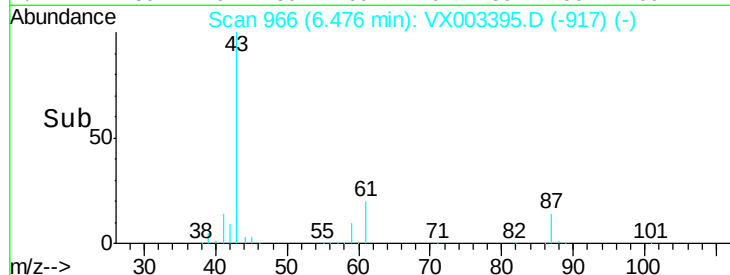
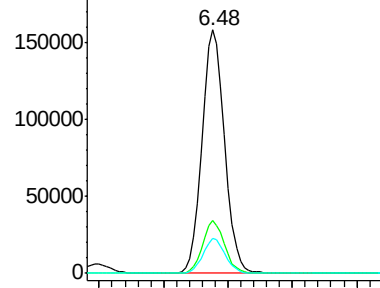
Isopropyl Acetate
 Concen: 48.29 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

Tot Ion: 43 Resp: 388703
 Ion Ratio Lower Upper
 43 100
 61 21.0 14.4 21.6
 87 14.2 9.5 14.3



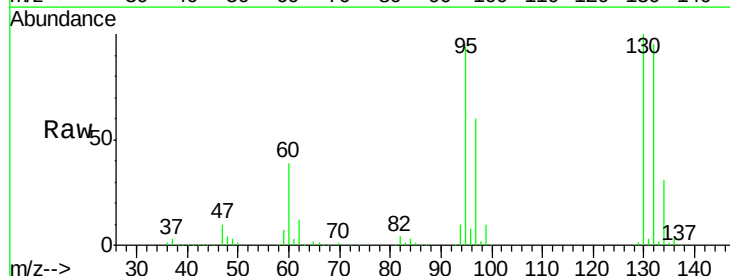
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



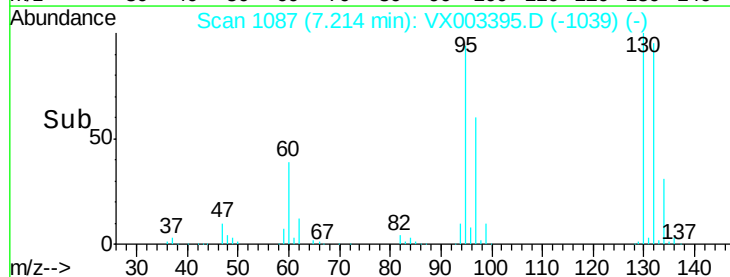
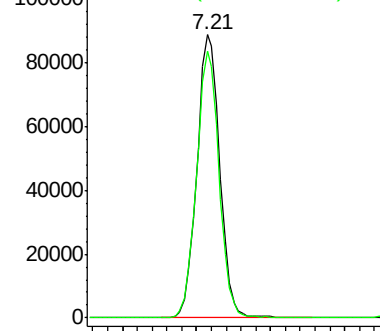
#44

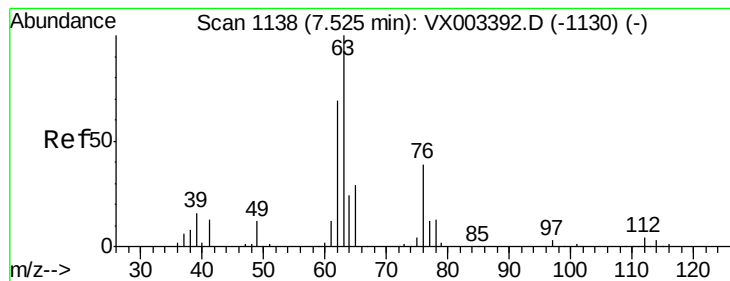
Trichloroethene
 Concen: 45.54 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion: 130 Resp: 189949
 Ion Ratio Lower Upper
 130 100
 95 94.2 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 45.26 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

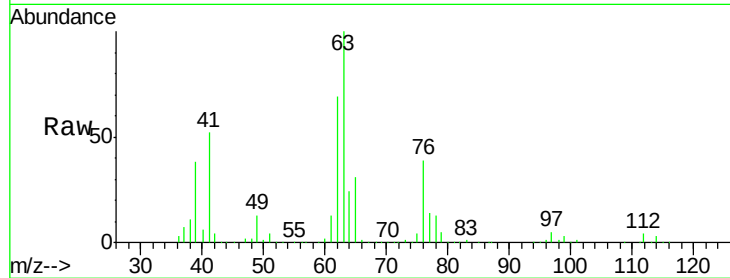
ICVVX071618

Tot Ion: 63 Resp: 169518

Ion Ratio Lower Upper

63 100

65 30.8 24.7 37.1

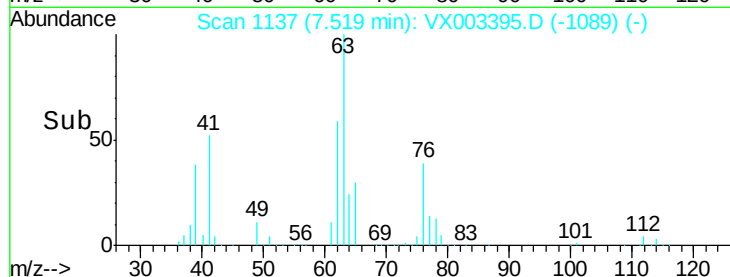


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

Time-->



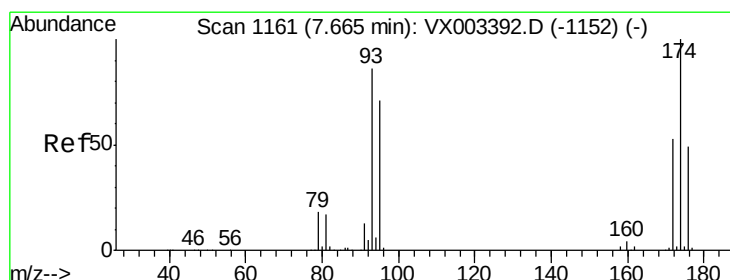
Abundance

Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

Time-->



#46

Dibromomethane

Concen: 45.31 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

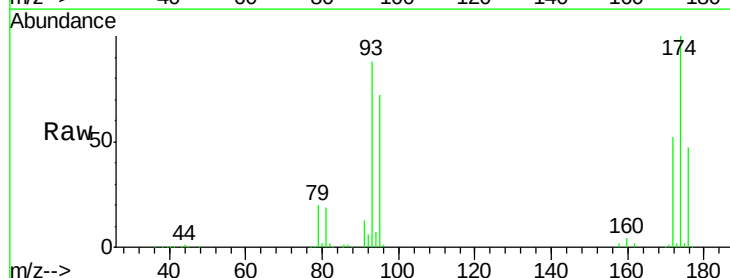
Tgt Ion: 93 Resp: 113016

Ion Ratio Lower Upper

93 100

95 83.0 65.9 98.9

174 118.5 92.4 138.6



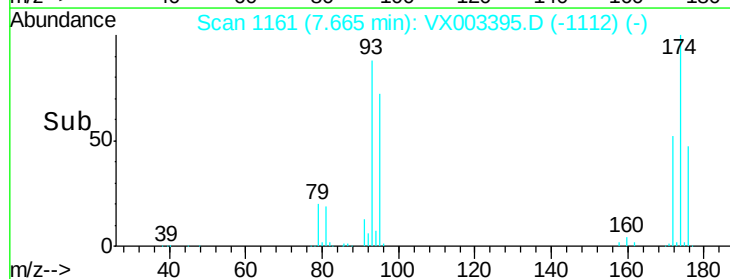
Abundance Ion 92.80 (92.50 to 93.50): VX0

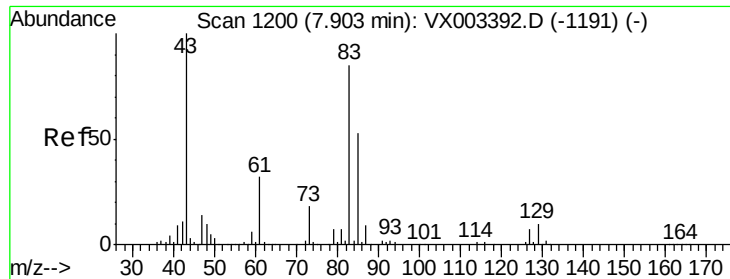
Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.67

Time-->





#47

Bromodichloromethane

Concen: 46.56 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

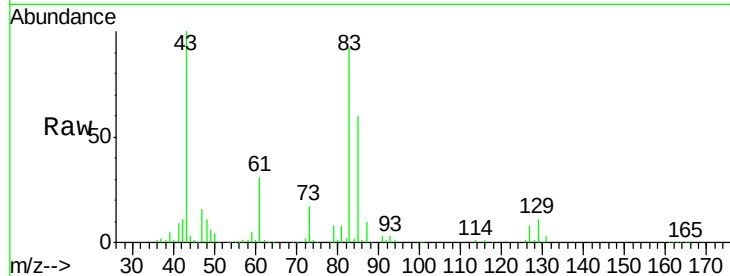
Tot Ion: 83 Resp: 212669

Ion Ratio Lower Upper

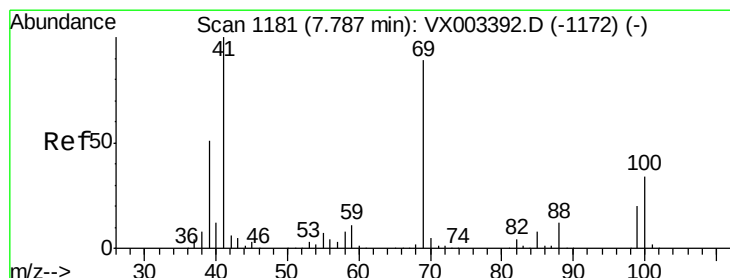
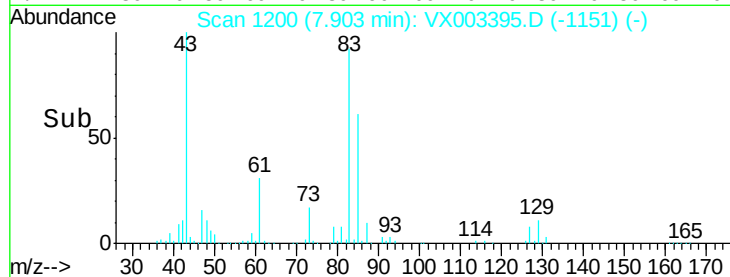
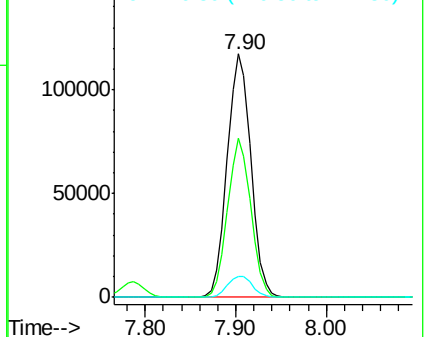
83 100

85 65.5 50.3 75.5

127 8.8 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: 48.15 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

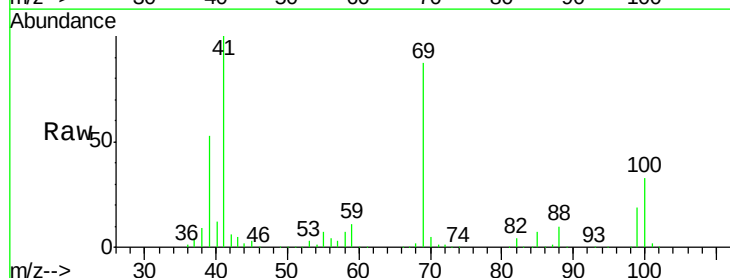
Tgt Ion: 41 Resp: 197750

Ion Ratio Lower Upper

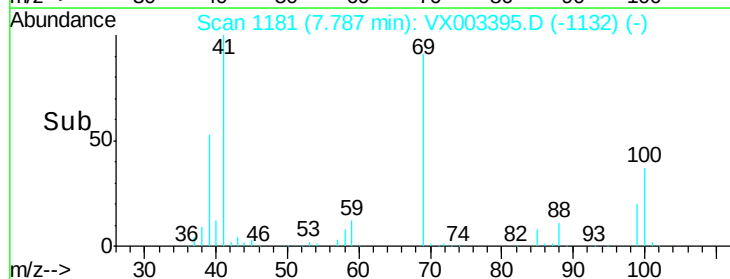
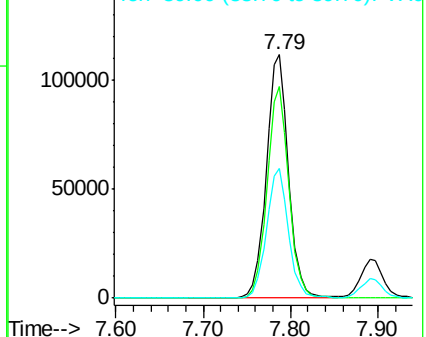
41 100

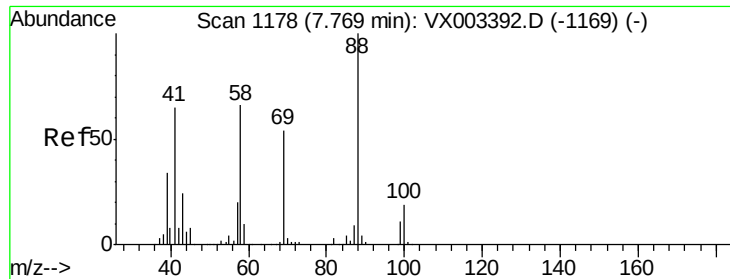
69 85.9 59.1 88.7

39 52.6 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

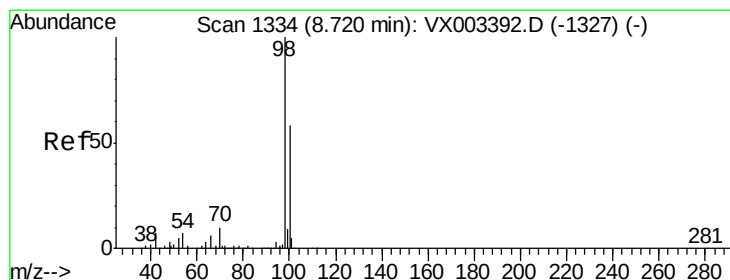
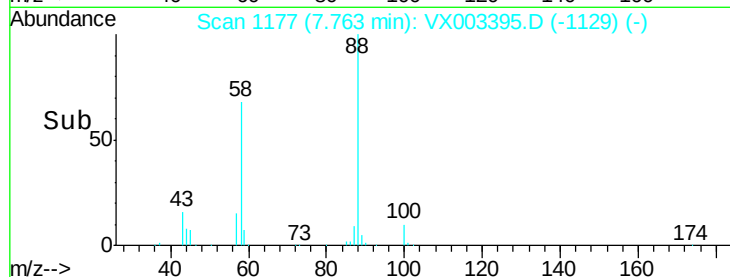
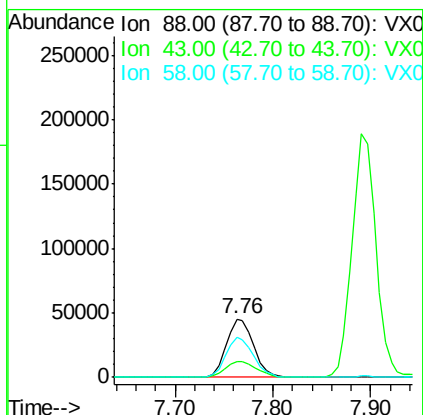
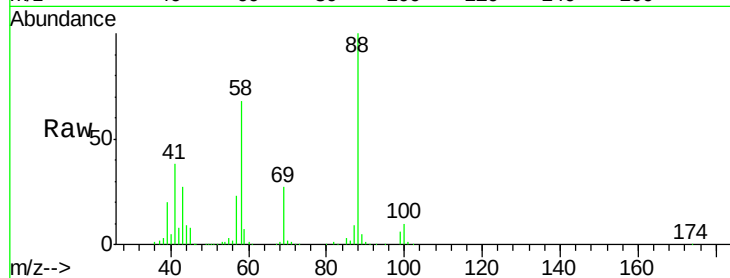




#49
1,4-Dioxane
Concen: 928.90 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

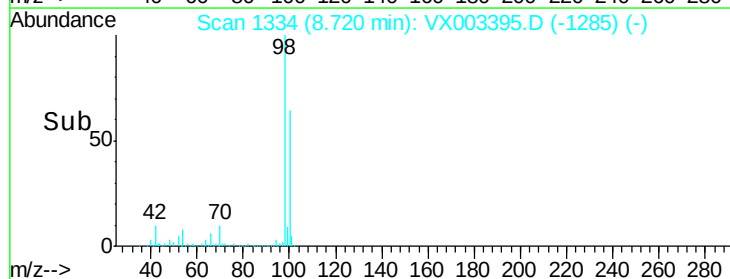
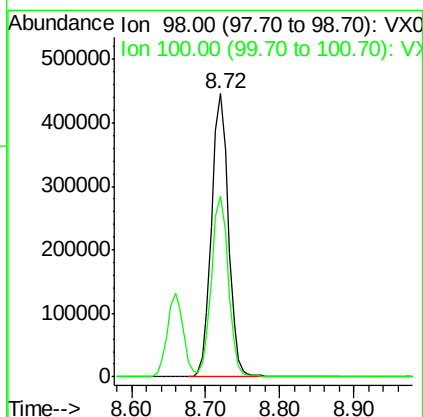
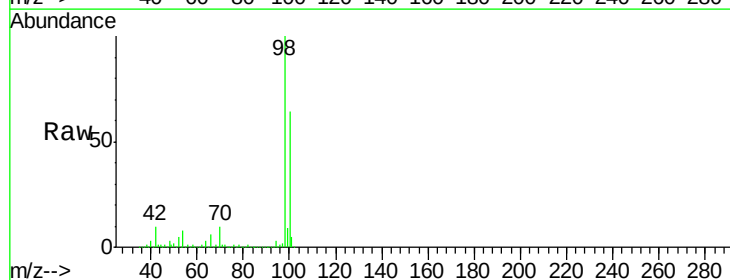
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

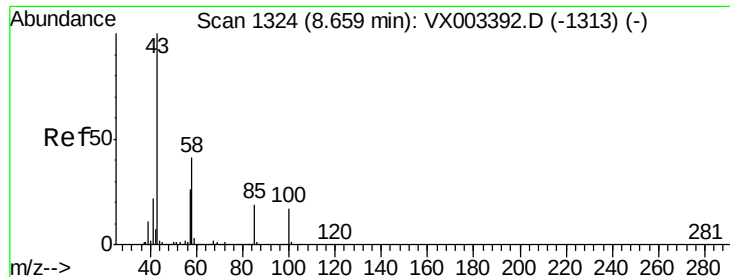
Tot Ion: 88 Resp: 87338
Ion Ratio Lower Upper
88 100
43 30.2 29.8 44.6
58 69.7 57.1 85.7



#50
Toluene-d8
Concen: 49.80 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion: 98 Resp: 694956
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 241.20 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

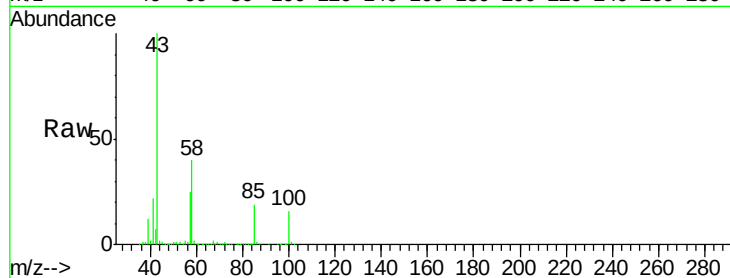
ICVVX071618

Tot Ion: 43 Resp: 1278006

Ion Ratio Lower Upper

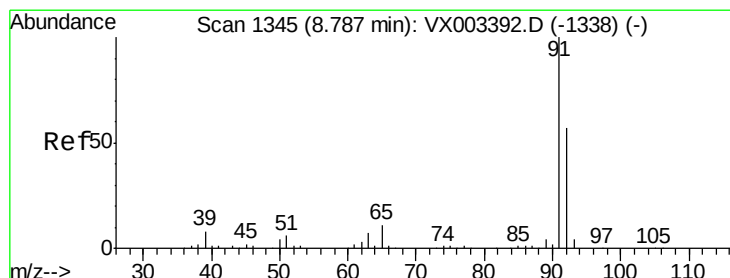
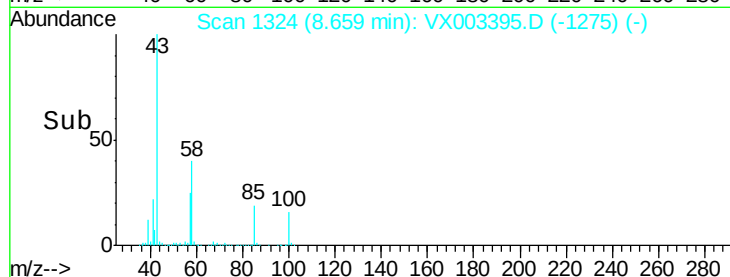
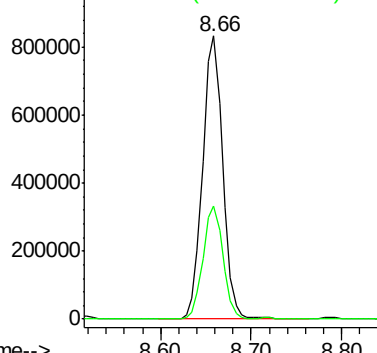
43 100

58 39.9 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 46.84 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003395.D

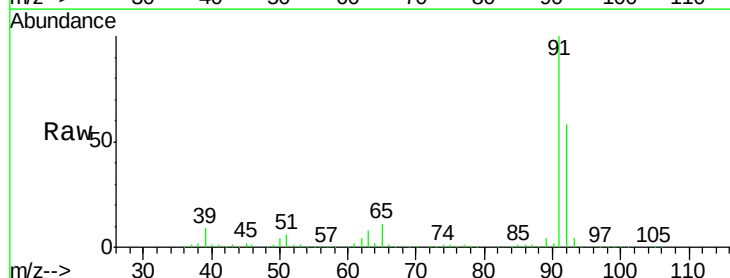
Acq: 16 Jul 2018 14:18

Tgt Ion: 92 Resp: 422300

Ion Ratio Lower Upper

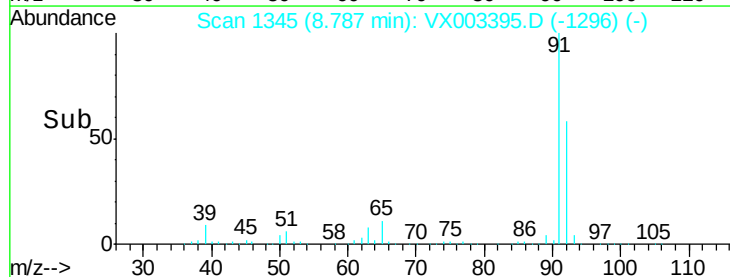
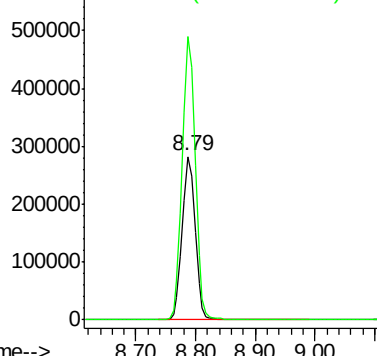
92 100

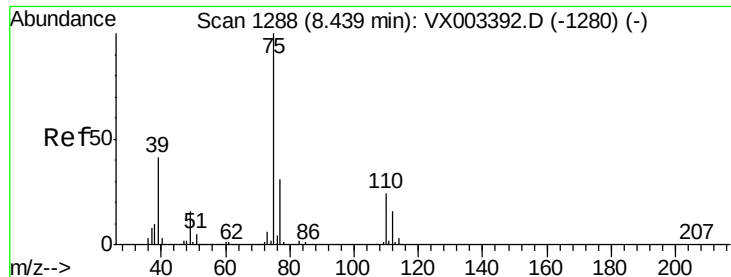
91 173.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 48.77 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

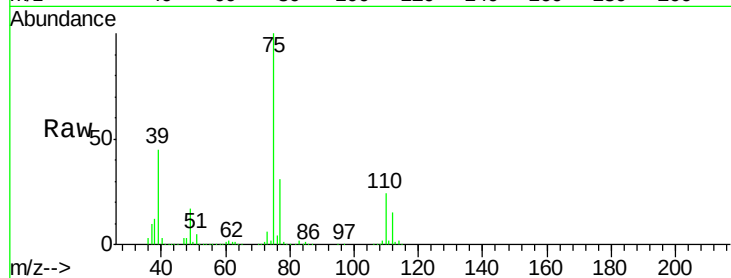
ICVVX071618

Tot Ion: 75 Resp: 263009

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

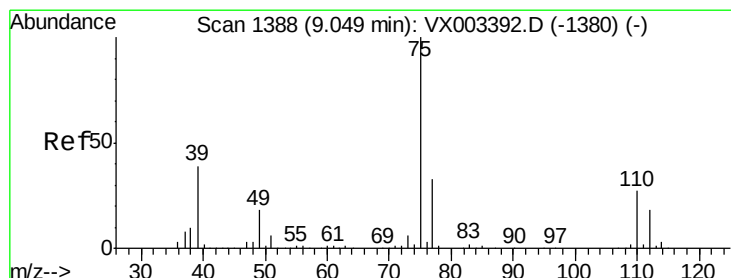
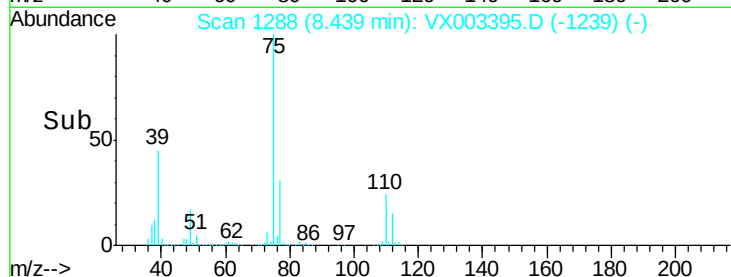
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.34 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

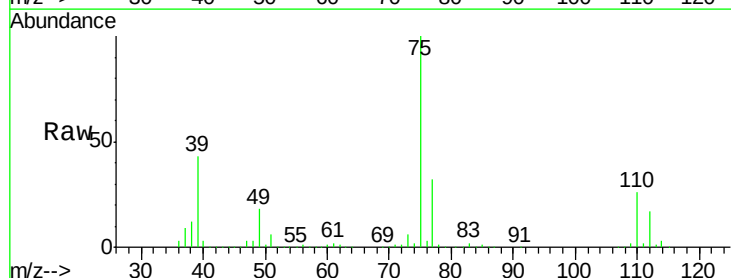
Tgt Ion: 75 Resp: 242852

Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2

39 42.6 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

9.05

200000

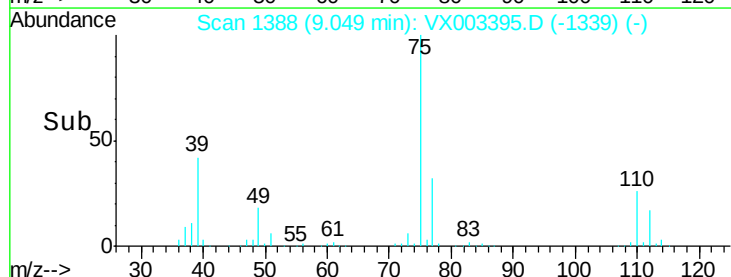
150000

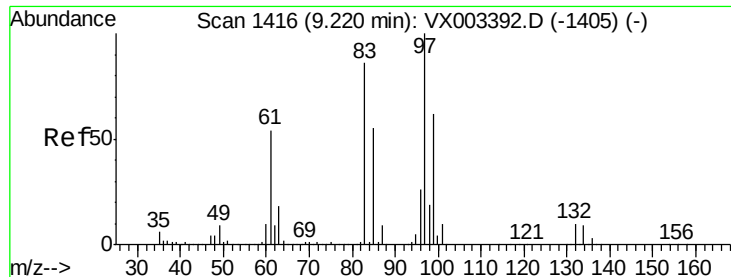
100000

50000

0

Time-->

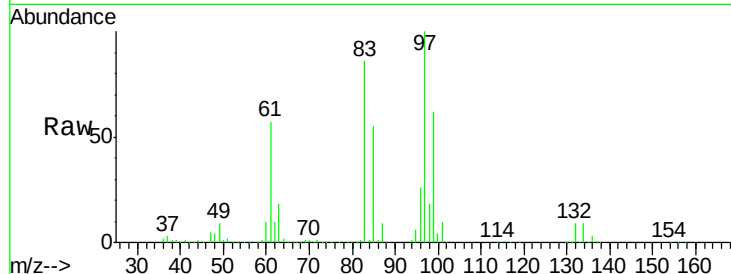




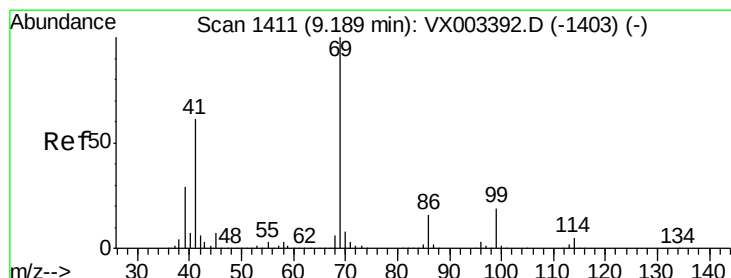
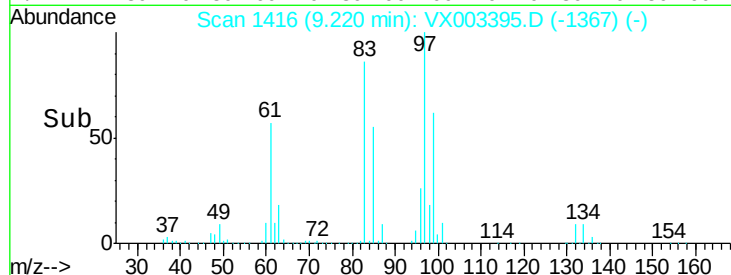
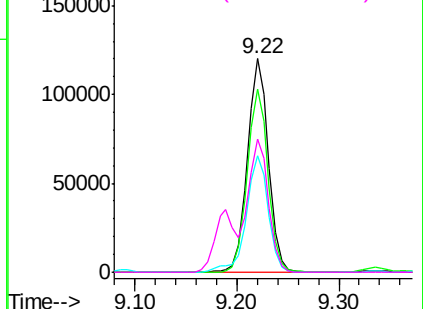
#55
 1,1,2-Trichloroethane
 Concen: 45.64 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

Tot Ion: 97 Resp: 171913
 Ion Ratio Lower Upper
 97 100
 83 85.8 70.2 105.2
 85 54.7 44.9 67.3
 99 62.2 49.8 74.8

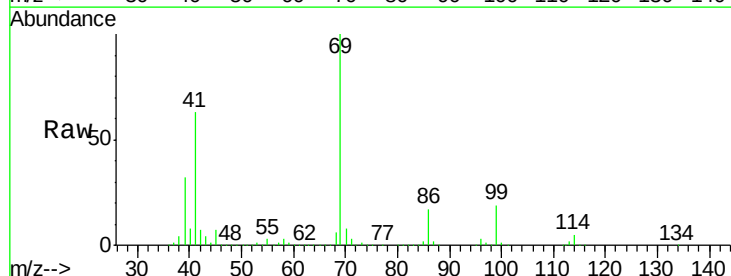


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

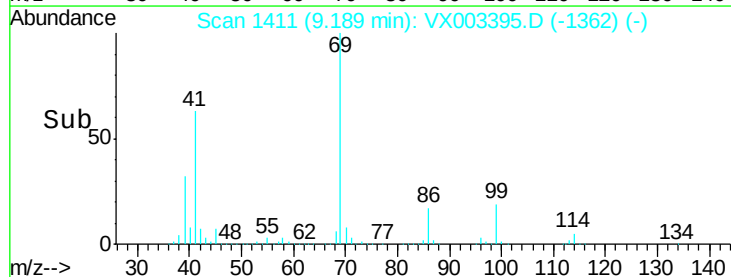
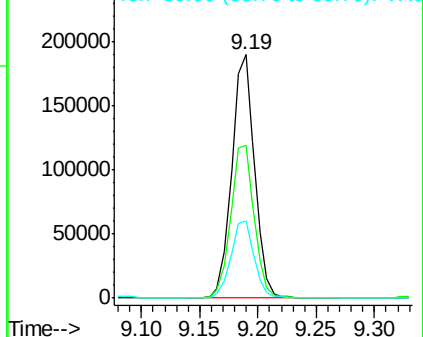


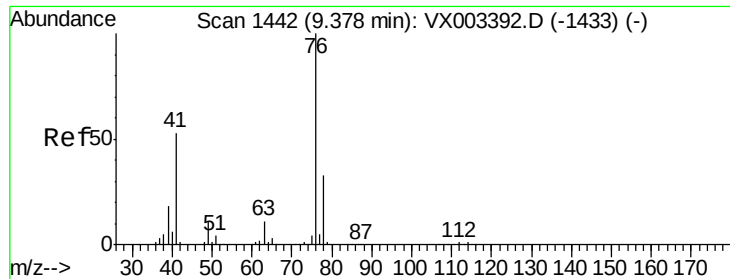
#56
 Ethyl methacrylate
 Concen: 48.68 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion: 69 Resp: 259649
 Ion Ratio Lower Upper
 69 100
 41 64.2 60.3 90.5
 39 32.7 35.8 53.8#



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

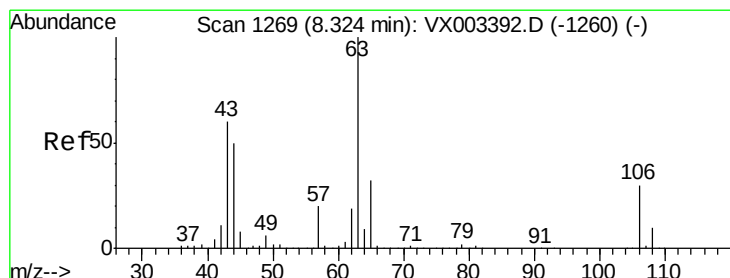
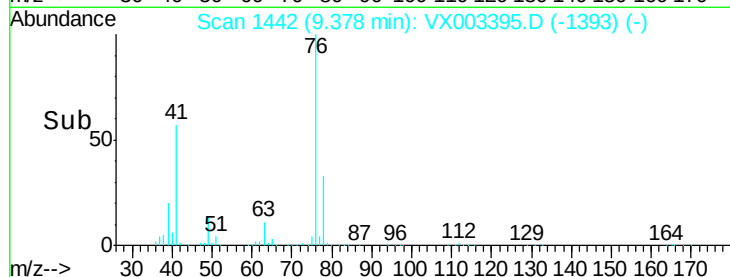
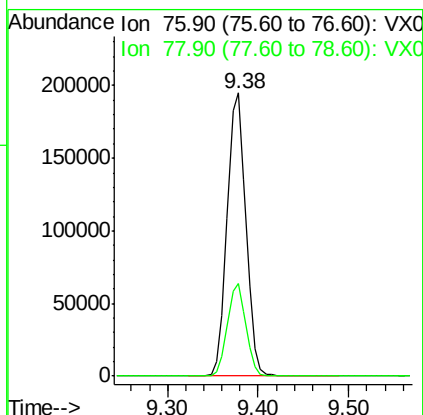
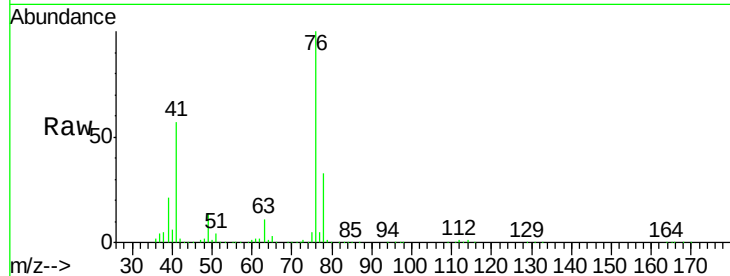




#57
 1,3-Dichloropropane
 Concen: 46.23 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

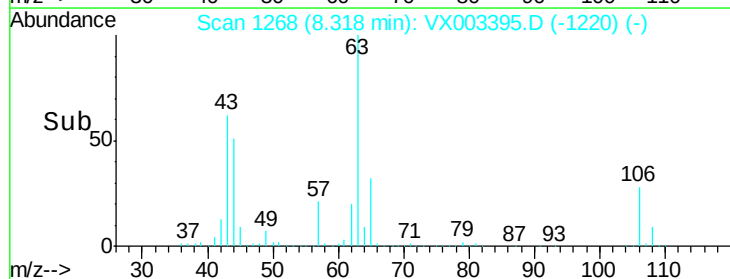
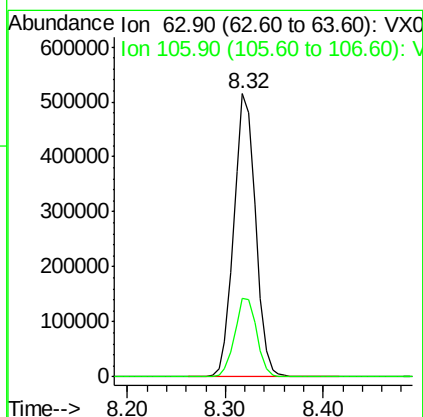
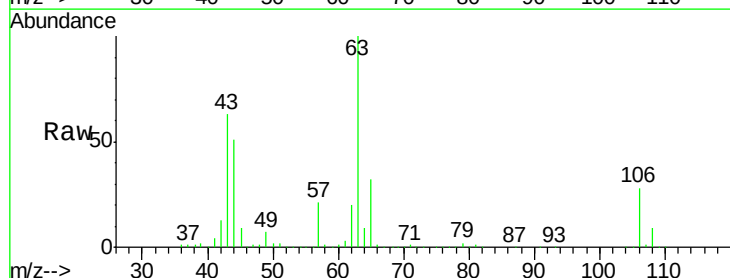
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

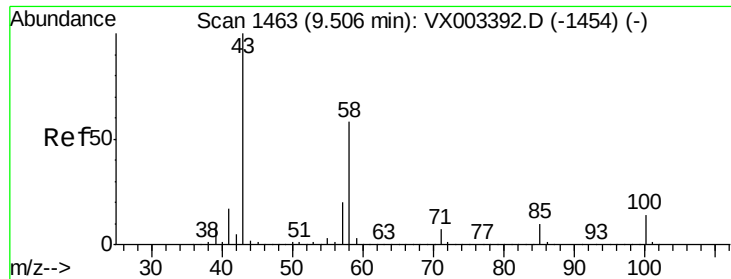
Tot Ion: 76 Resp: 279817
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 296.39 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion: 63 Resp: 792692
 Ion Ratio Lower Upper
 63 100
 106 28.3 21.8 32.8

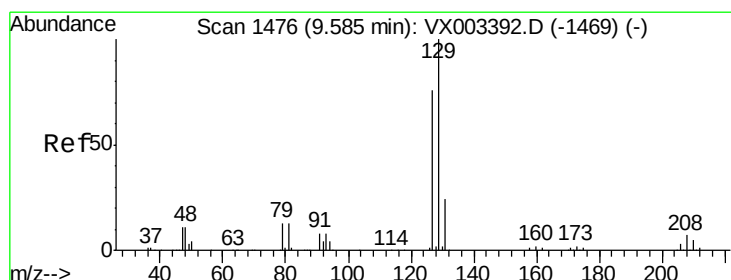
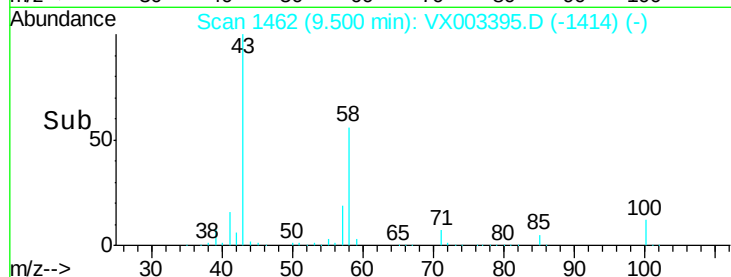
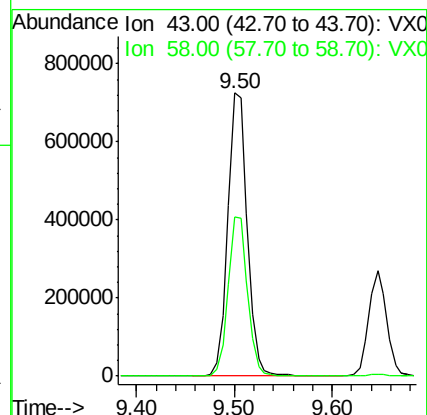
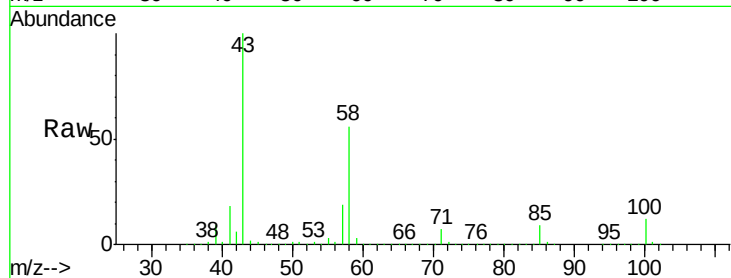




#59
2-Hexanone
Concen: 245.80 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

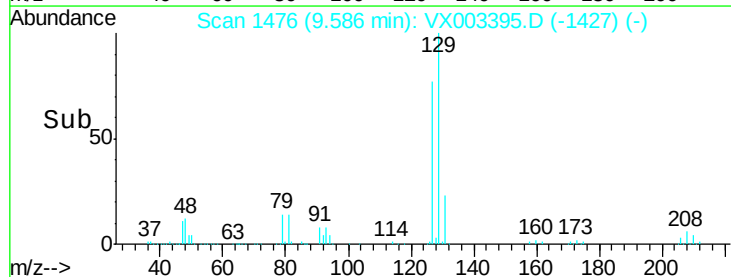
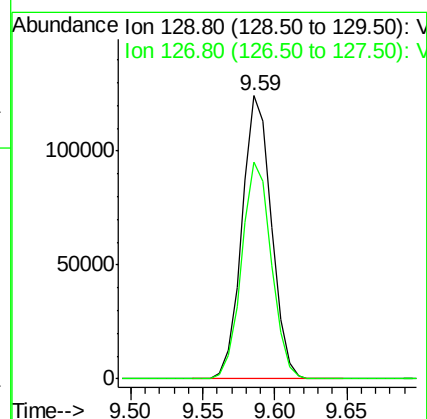
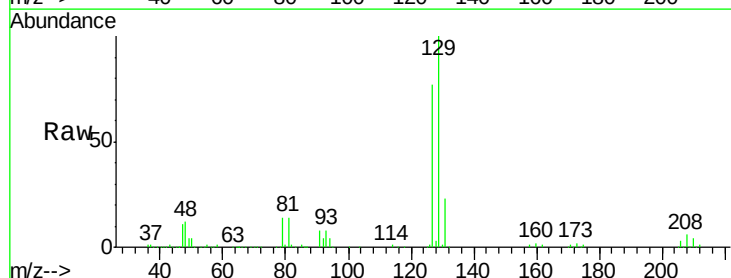
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

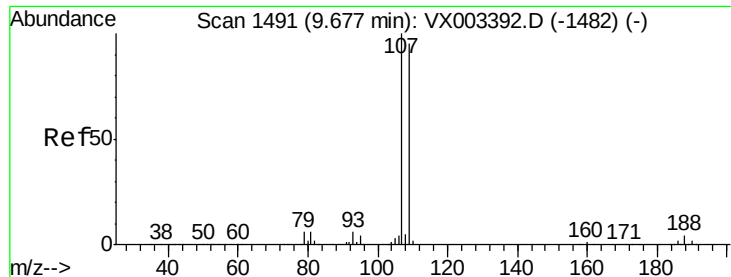
Tot Ion: 43 Resp: 1000643
Ion Ratio Lower Upper
43 100
58 56.0 24.6 73.6



#60
Dibromochloromethane
Concen: 47.08 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion: 129 Resp: 176221
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3

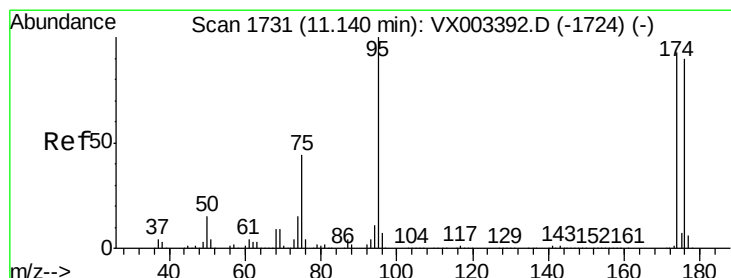
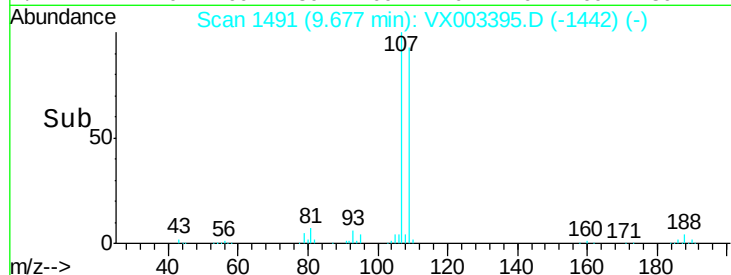
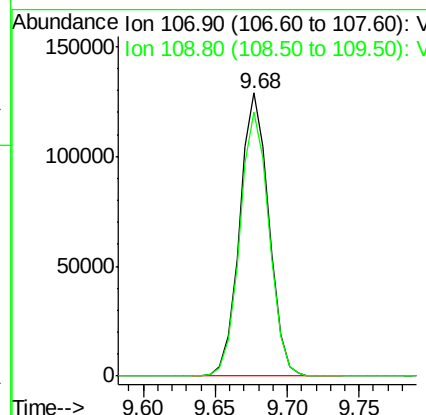
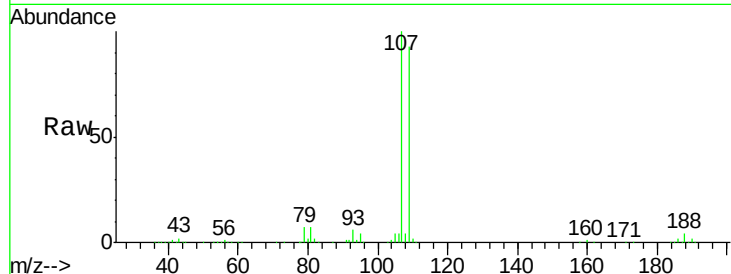




#61
 1,2-Dibromoethane
 Concen: 46.66 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

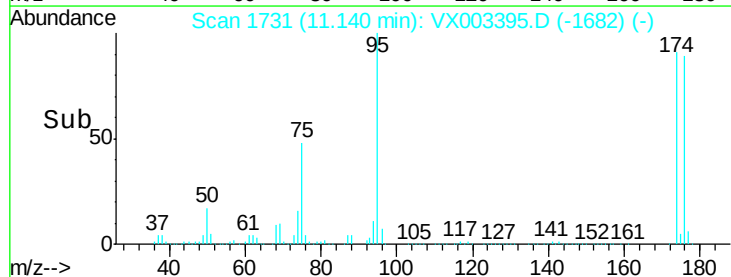
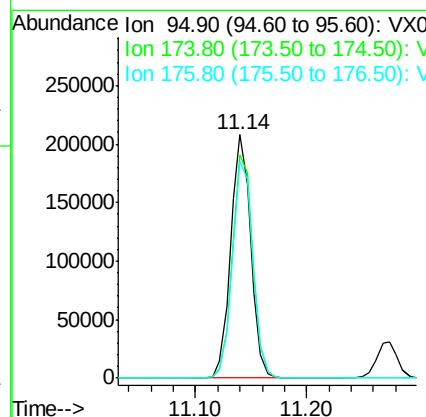
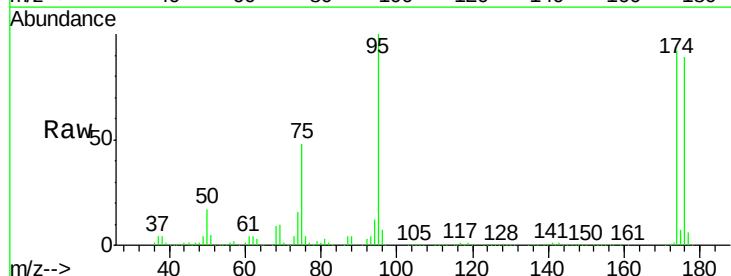
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

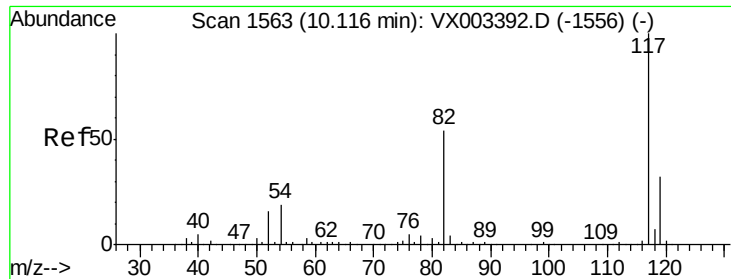
Tot Ion:107 Resp: 181168
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 51.82 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion: 95 Resp: 258169
 Ion Ratio Lower Upper
 95 100
 174 93.8 0.0 187.4
 176 90.9 0.0 181.0

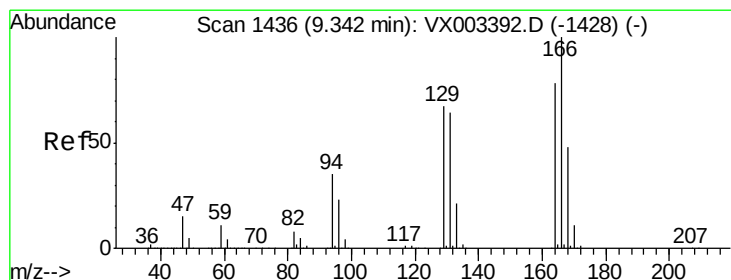
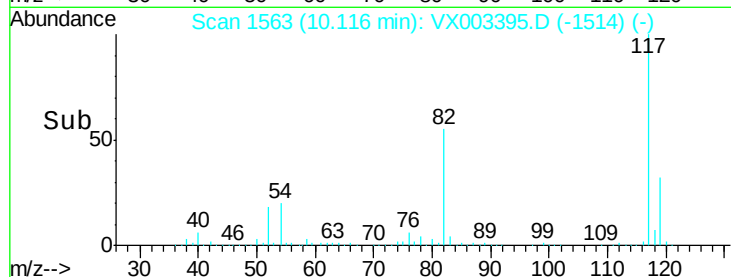
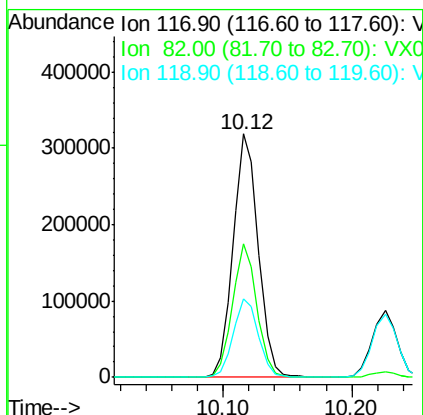
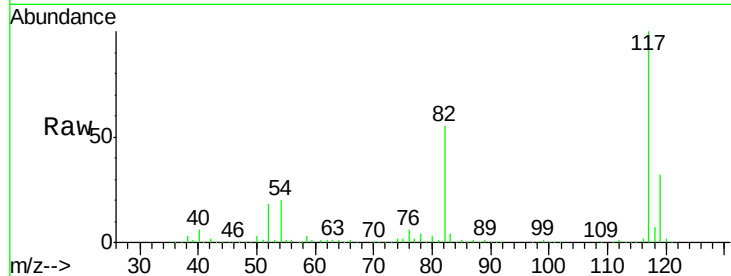




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

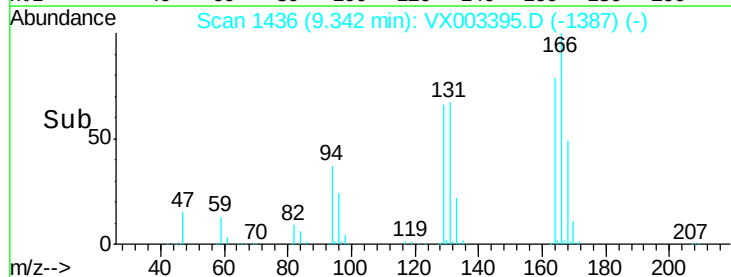
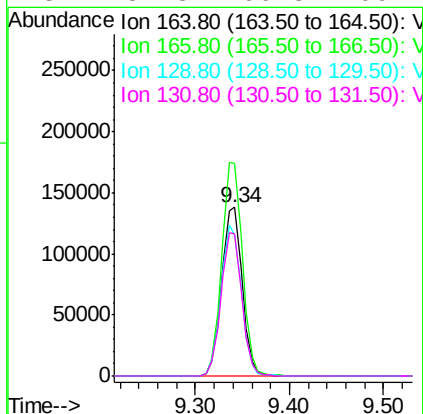
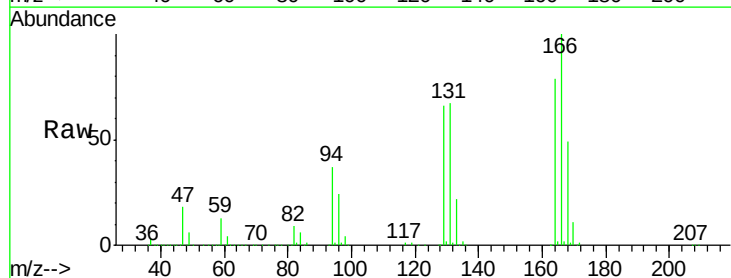
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

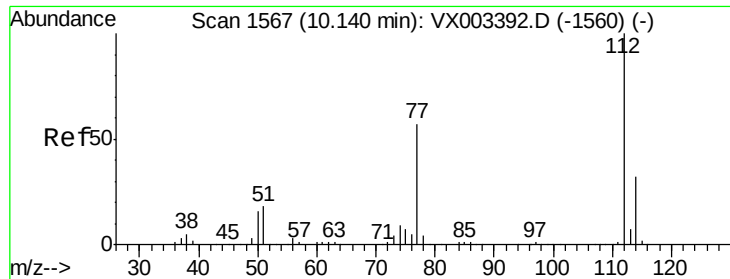
Tot Ion:117 Resp: 434545
Ion Ratio Lower Upper
117 100
82 54.8 45.0 67.4
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 45.85 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion:164 Resp: 208458
Ion Ratio Lower Upper
164 100
166 126.3 102.9 154.3
129 83.6 68.6 102.8
131 84.3 66.8 100.2





#65

Chlorobenzene

Concen: 46.90 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

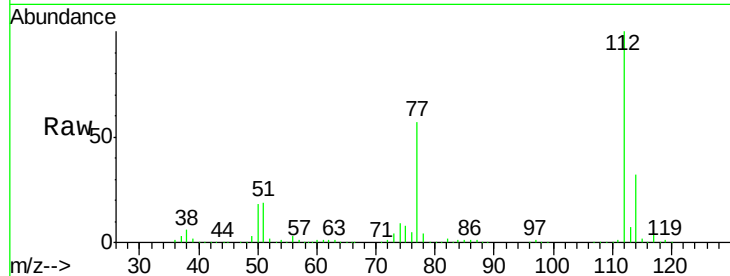
ICVVX071618

Tot Ion:112 Resp: 481397

Ion Ratio Lower Upper

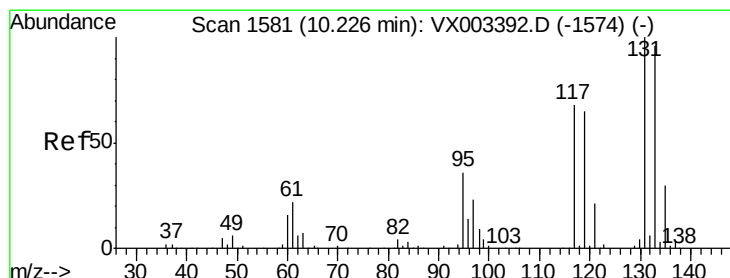
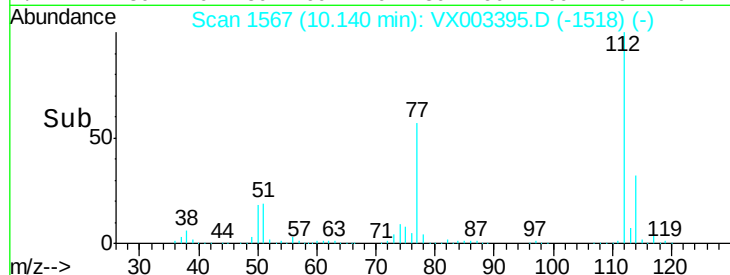
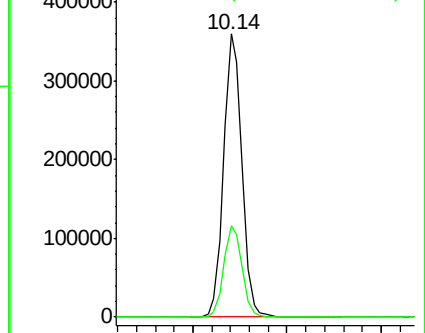
112 100

114 32.1 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.20 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

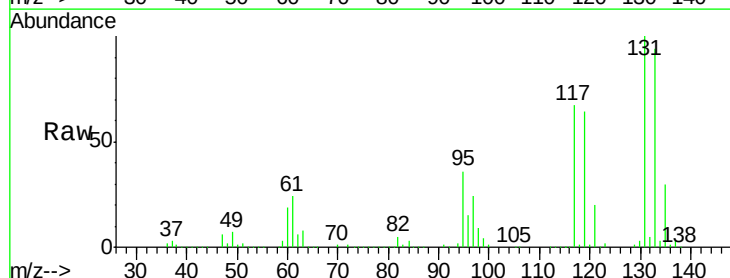
Tgt Ion:131 Resp: 172243

Ion Ratio Lower Upper

131 100

133 95.4 47.9 143.6

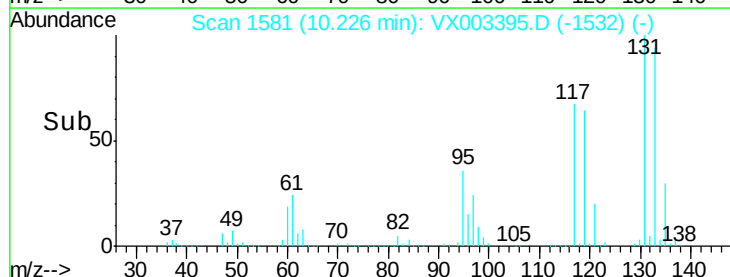
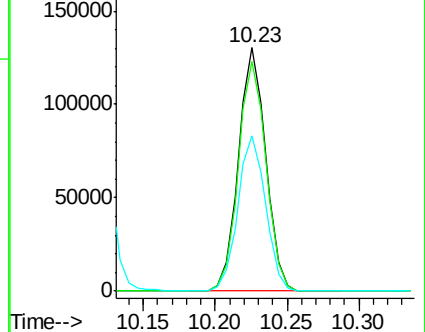
119 64.9 31.8 95.3

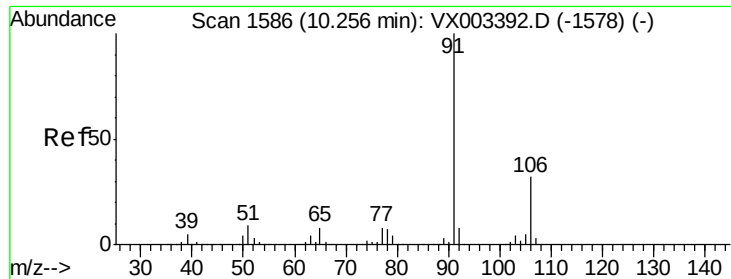


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.61 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampled :

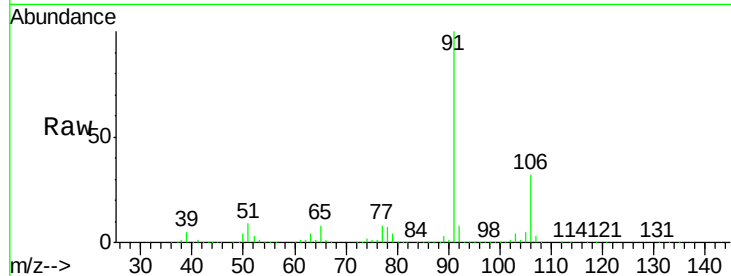
ICVVX071618

Tot Ion: 91 Resp: 815565

Ion Ratio Lower Upper

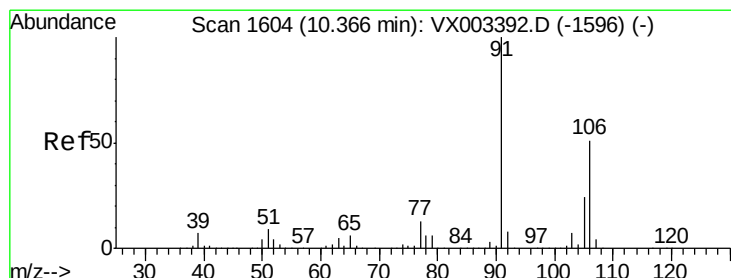
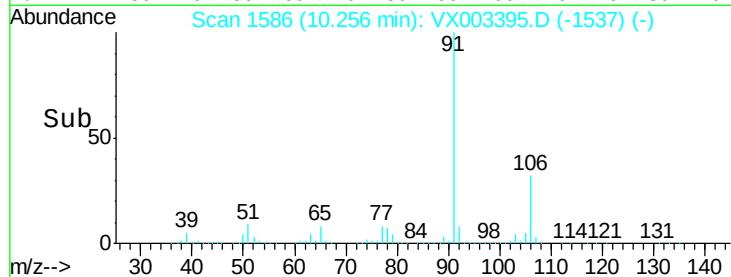
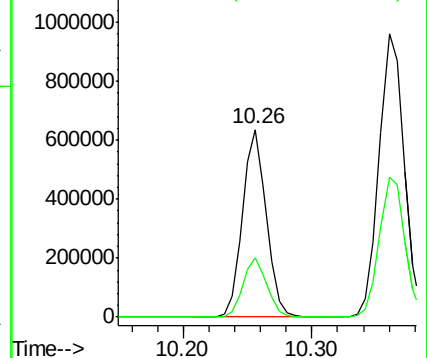
91 100

106 31.8 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 99.33 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX003395.D

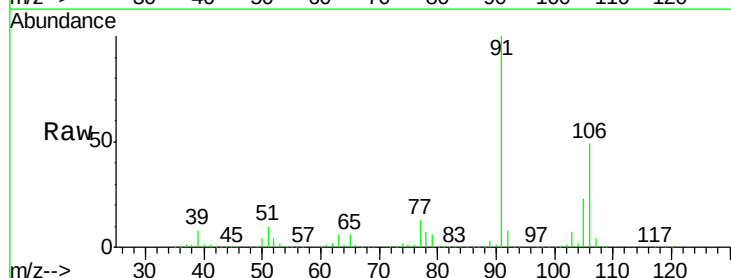
Acq: 16 Jul 2018 14:18

Tgt Ion: 106 Resp: 644628

Ion Ratio Lower Upper

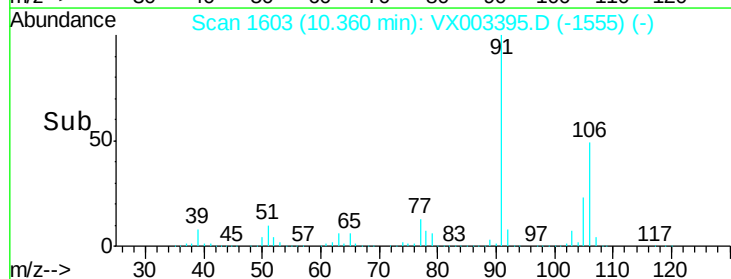
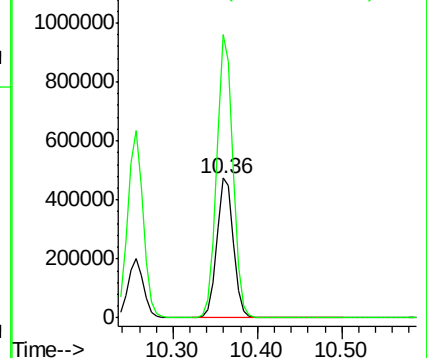
106 100

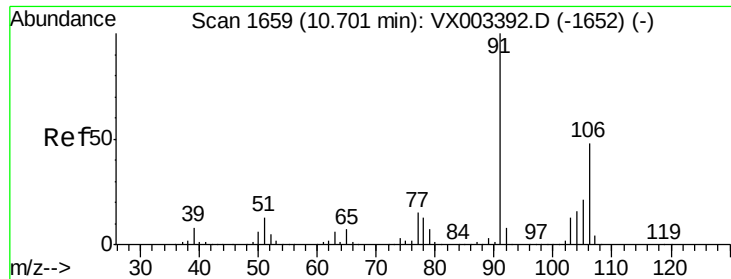
91 199.4 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

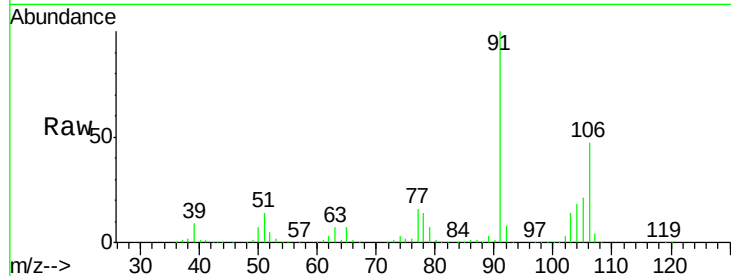




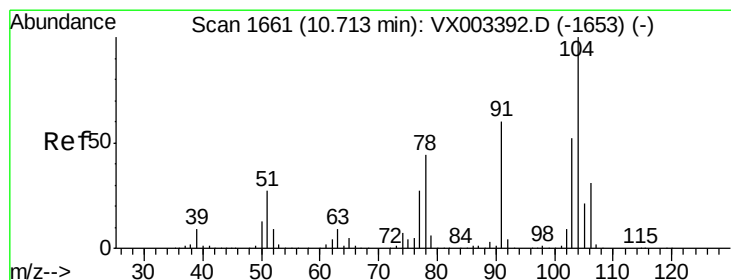
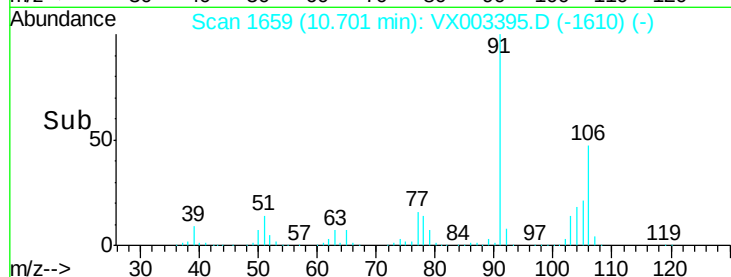
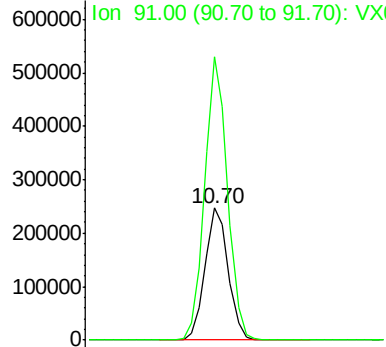
#69
o-Xylene
Concen: 49.71 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion:106 Resp: 309862
Ion Ratio Lower Upper
106 100
91 210.5 108.2 324.6

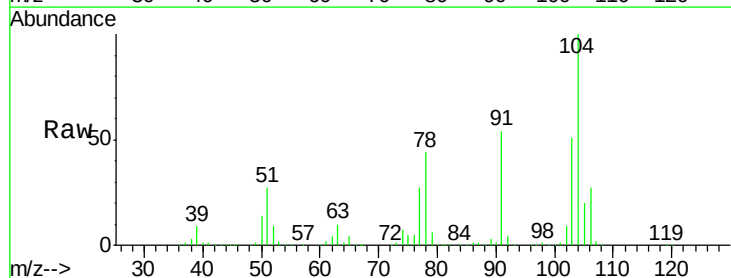


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

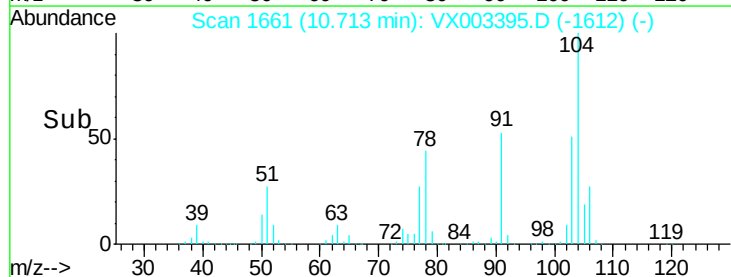
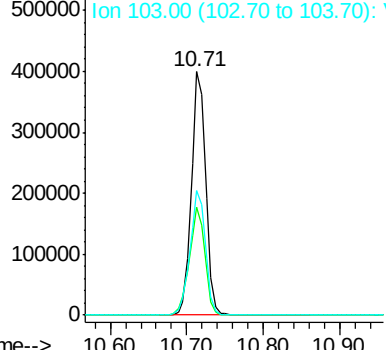


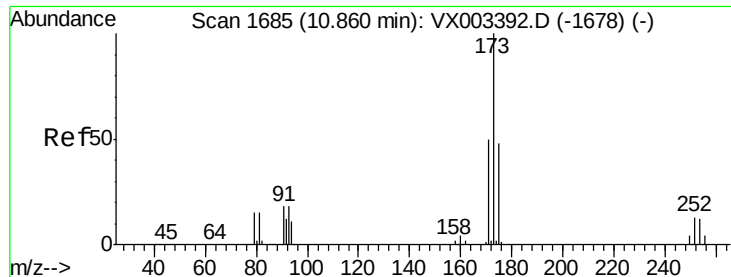
#70
Styrene
Concen: 50.24 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion:104 Resp: 515458
Ion Ratio Lower Upper
104 100
78 48.1 41.0 61.6
103 55.3 44.2 66.4



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

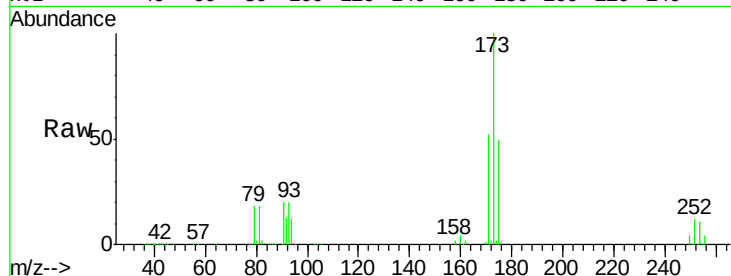




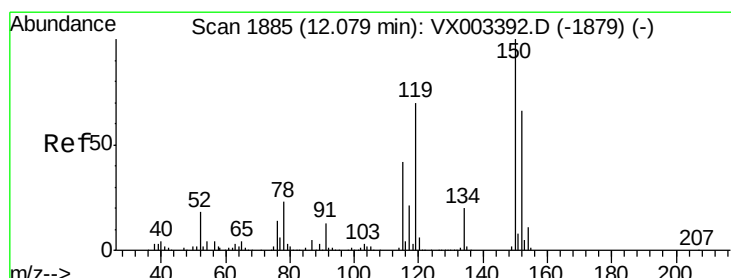
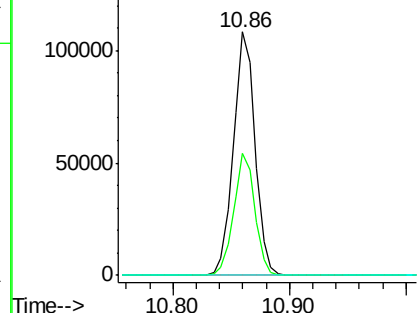
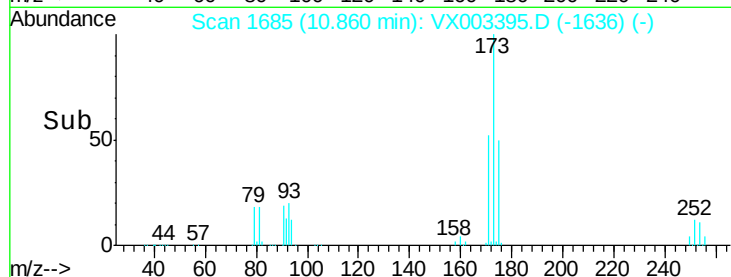
#71
Bromoform
Concen: 47.41 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion:173 Resp: 139163
Ion Ratio Lower Upper
173 100
175 49.2 24.7 74.1
254 0.2 0.2 0.2

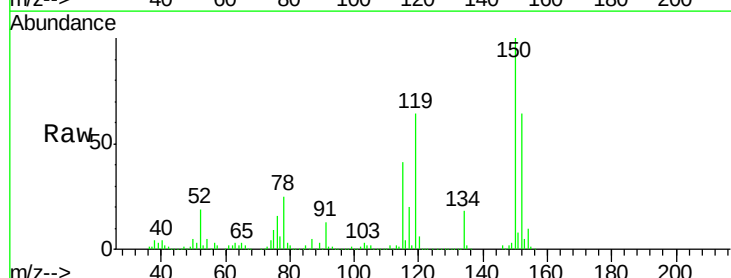


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

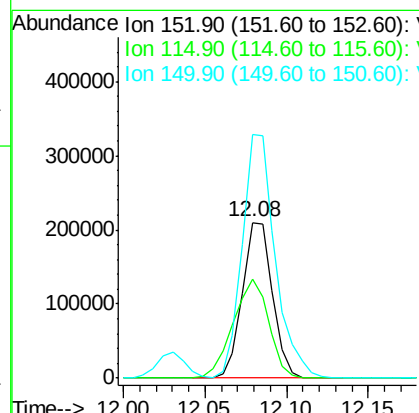
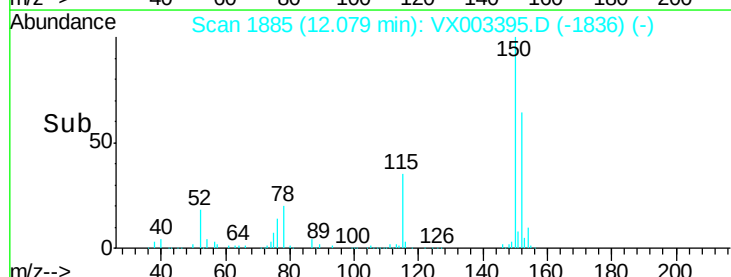


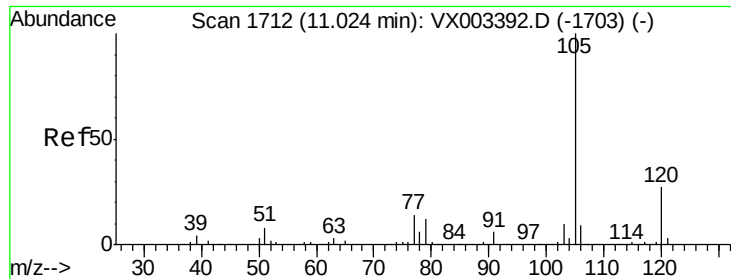
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion:152 Resp: 269809
Ion Ratio Lower Upper
152 100
115 75.3 40.1 120.2
150 172.2 0.0 347.2



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





#73

Isopropylbenzene

Concen: 48.25 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

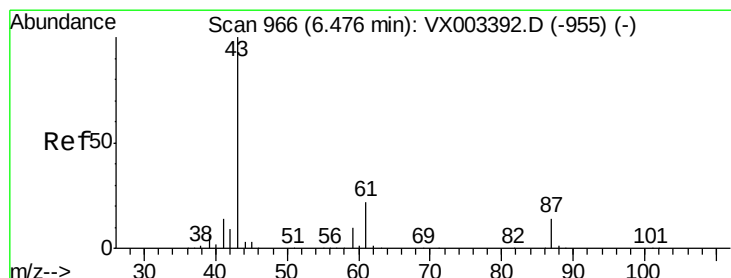
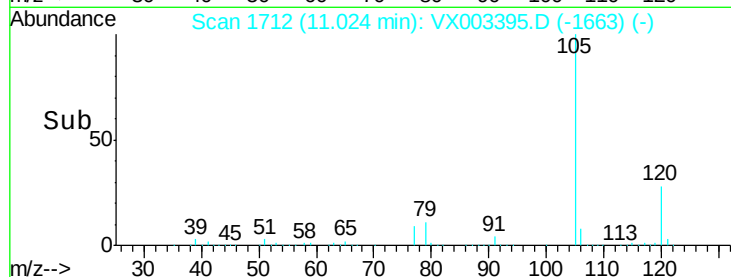
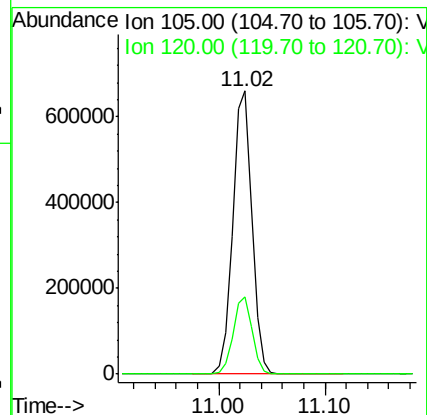
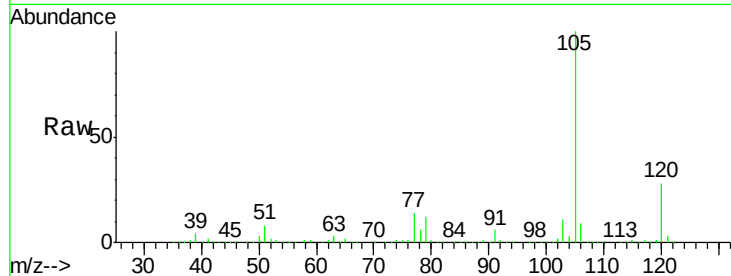
ICVVX071618

Tot Ion:105 Resp: 833592

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



#74

N-ethyl acetate

Concen: 46.79 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Tgt Ion: 43 Resp: 388703

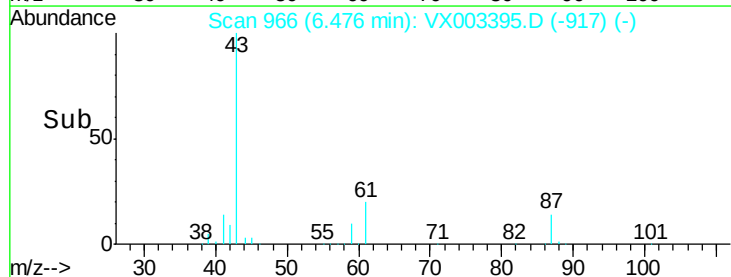
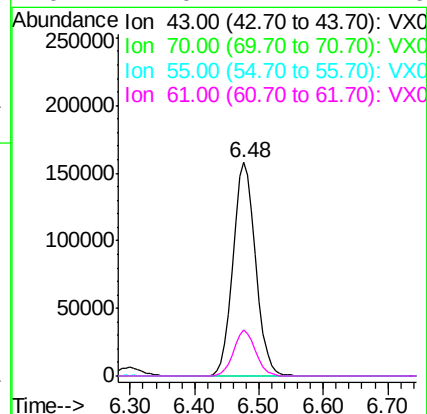
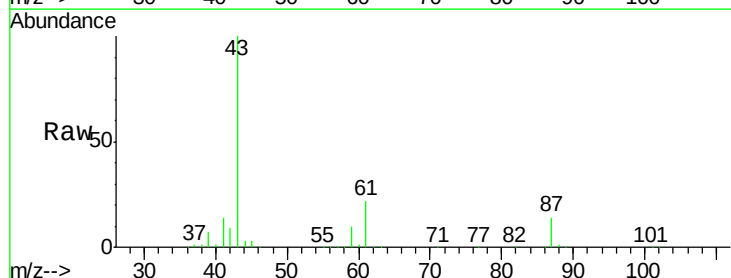
Ion Ratio Lower Upper

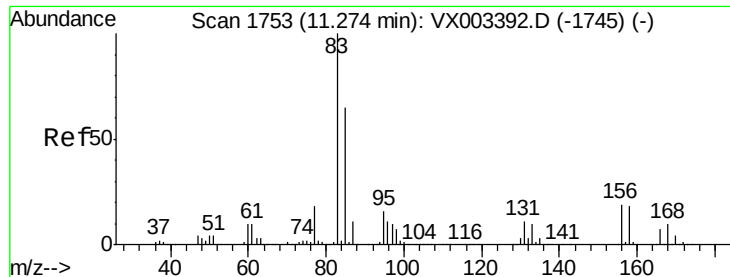
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 21.0 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.47 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampled :

ICVVX071618

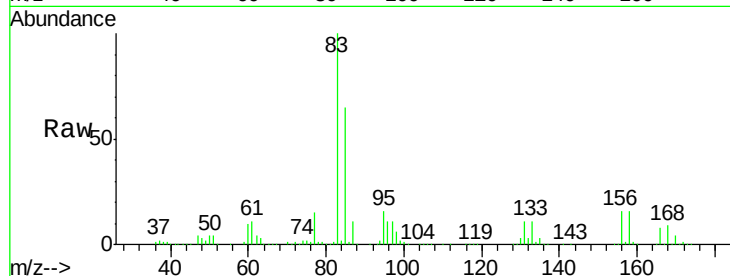
Tot Ion: 83 Resp: 259293

Ion Ratio Lower Upper

83 100

131 10.8 5.6 16.8

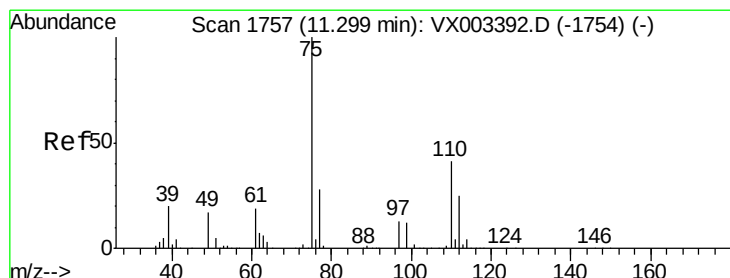
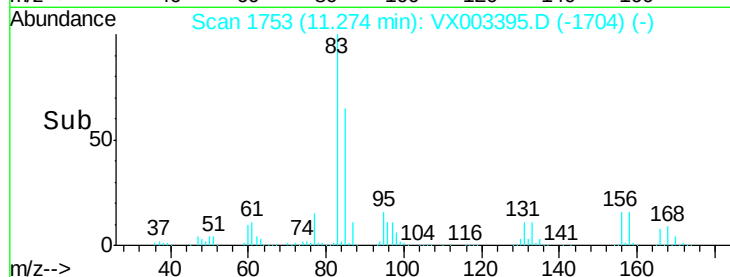
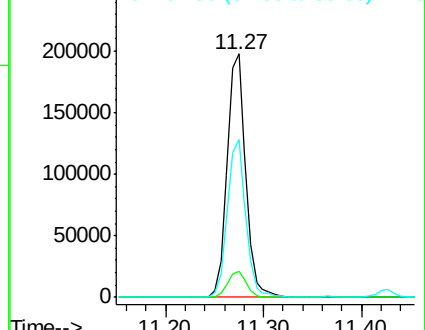
85 64.3 32.4 97.2



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: 63.67 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003395.D

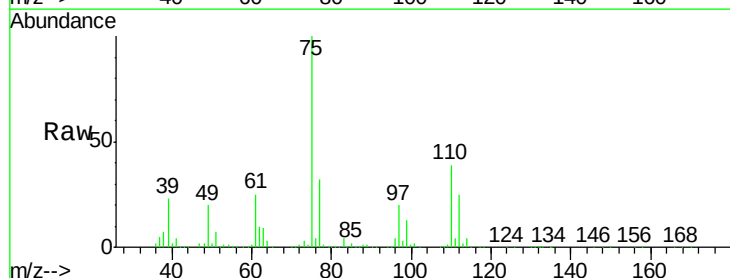
Acq: 16 Jul 2018 14:18

Tgt Ion: 75 Resp: 311004

Ion Ratio Lower Upper

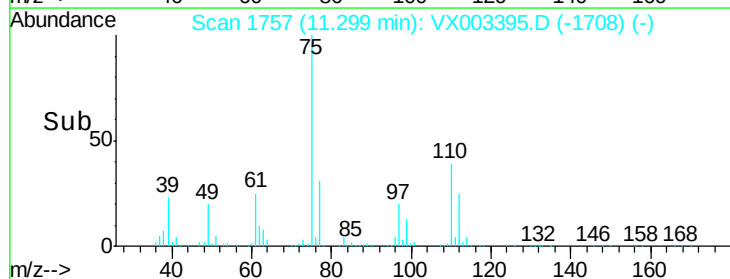
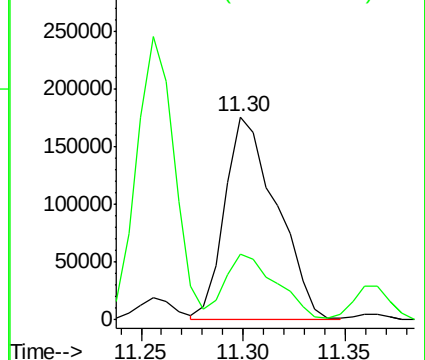
75 100

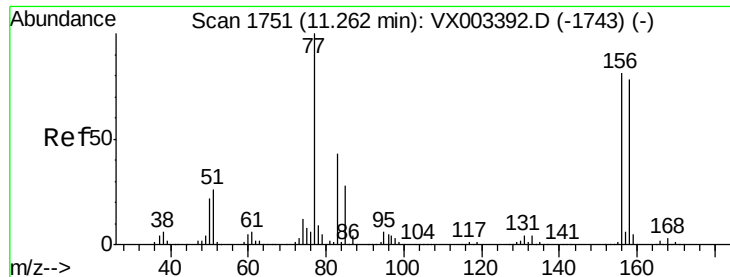
77 32.3 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

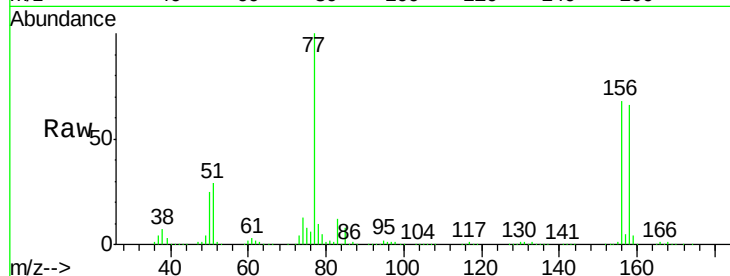




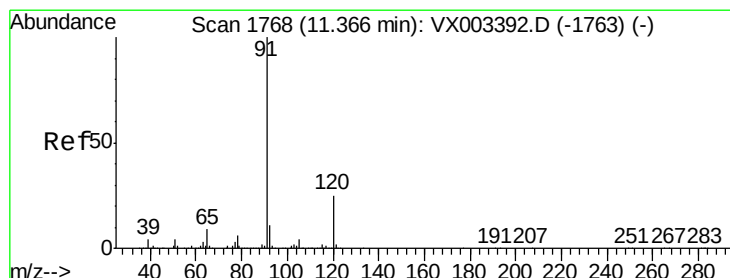
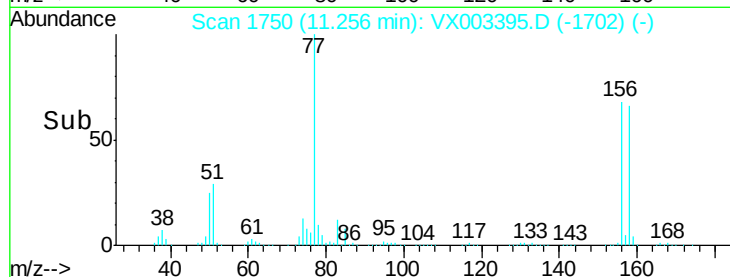
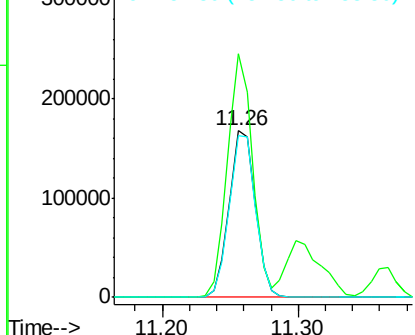
#77
Bromobenzene
Concen: 45.86 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion:156 Resp: 225023
Ion Ratio Lower Upper
156 100
77 140.2 71.4 214.2
158 98.1 48.9 146.6

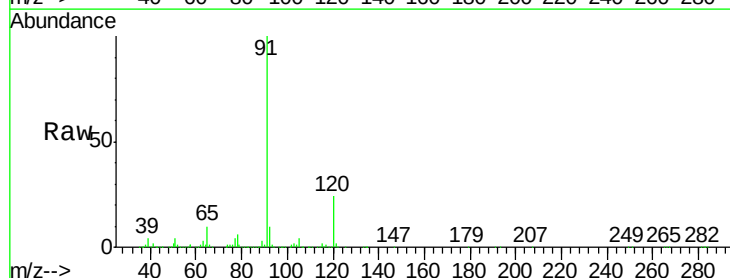


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V

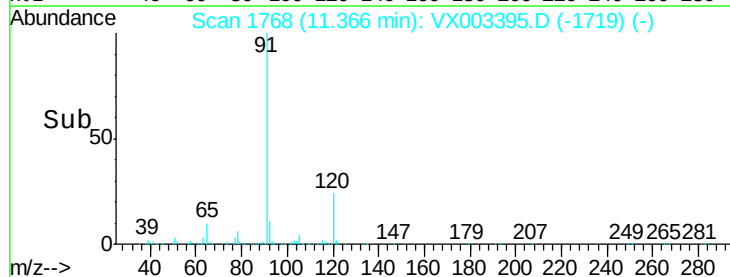
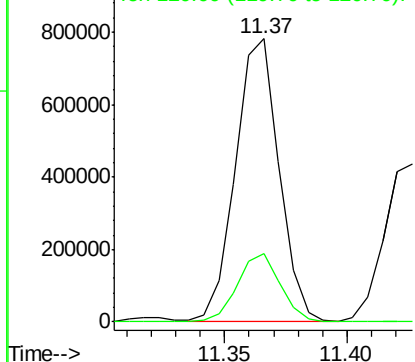


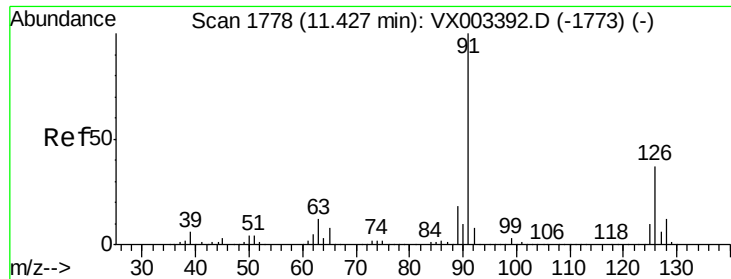
#78
n-propylbenzene
Concen: 49.71 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion: 91 Resp: 959381
Ion Ratio Lower Upper
91 100
120 23.8 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: 47.23 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

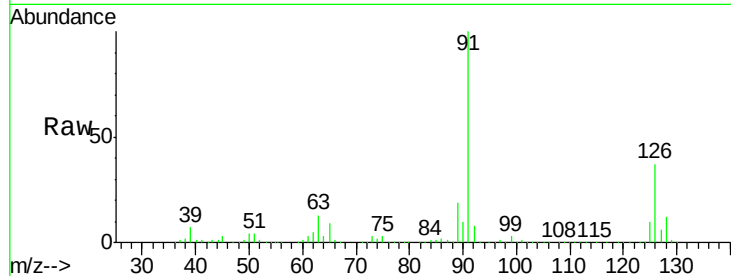
ICVVX071618

Tot Ion: 91 Resp: 558853

Ion Ratio Lower Upper

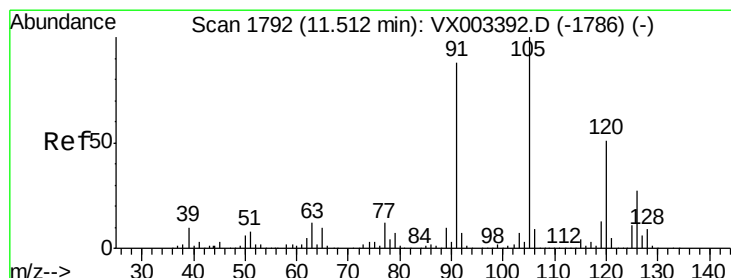
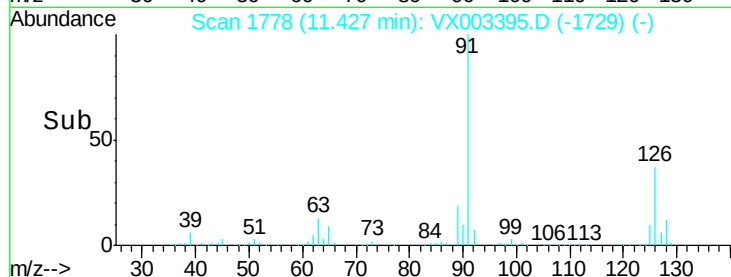
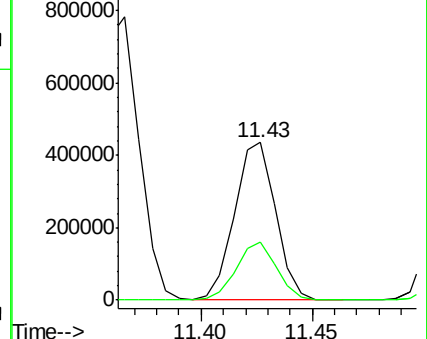
91 100

126 36.0 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: 49.38 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003395.D

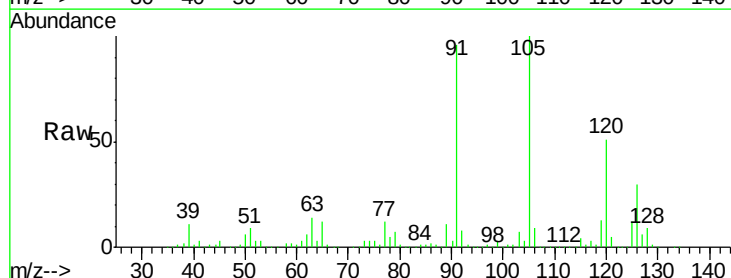
Acq: 16 Jul 2018 14:18

Tgt Ion:105 Resp: 696936

Ion Ratio Lower Upper

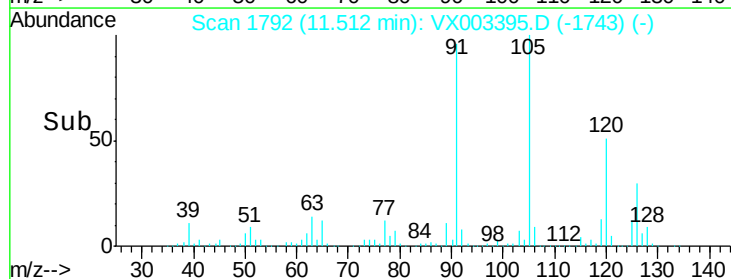
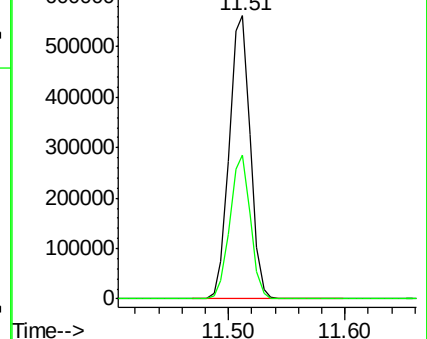
105 100

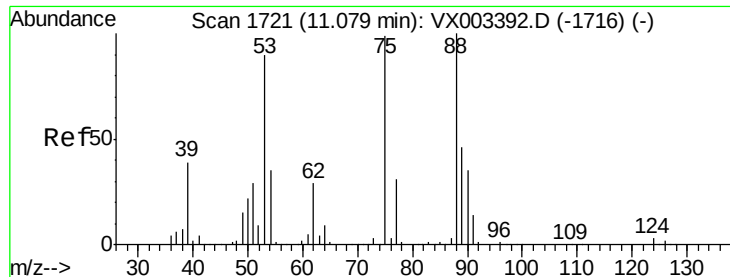
120 49.8 24.4 73.4



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: 51.44 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

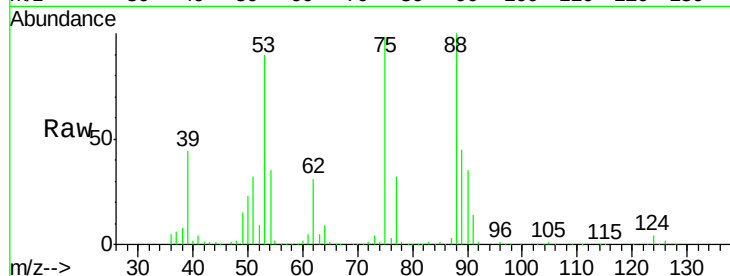
Tot Ion: 75 Resp: 77345

Ion Ratio Lower Upper

75 100

53 96.1 86.8 130.2

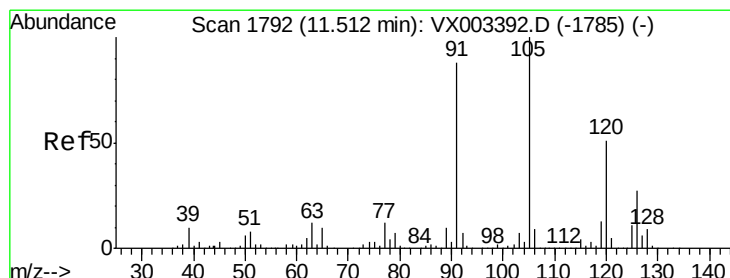
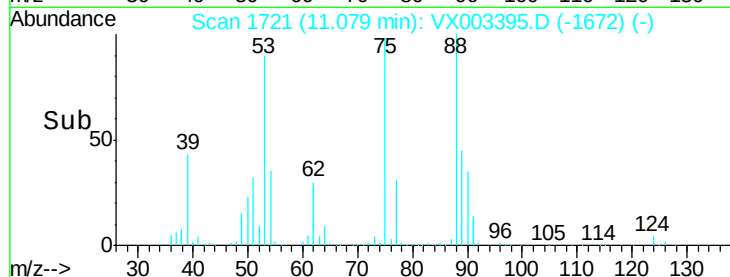
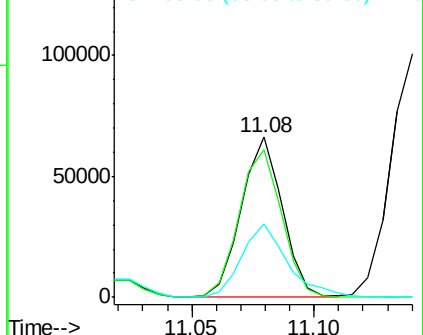
89 51.5 38.2 57.2



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: 48.07 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003395.D

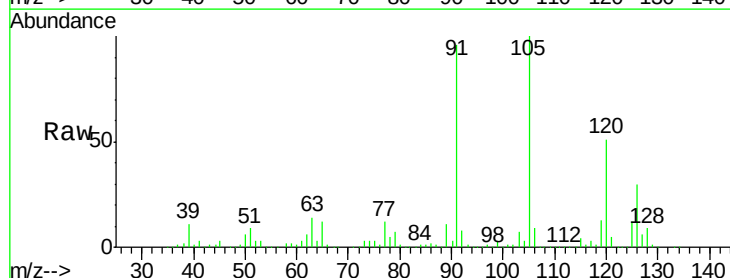
Acq: 16 Jul 2018 14:18

Tgt Ion: 91 Resp: 663676

Ion Ratio Lower Upper

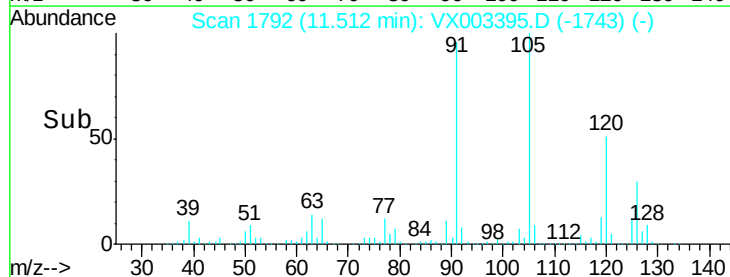
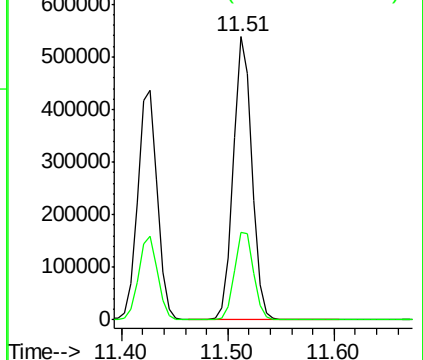
91 100

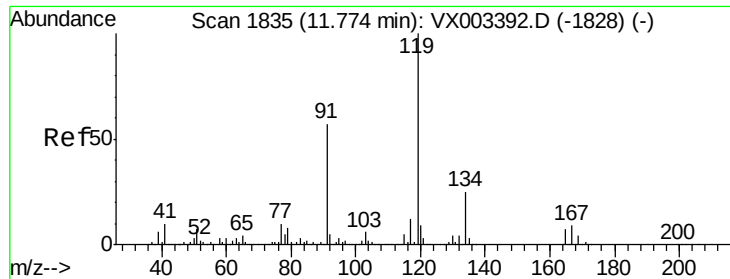
126 31.9 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

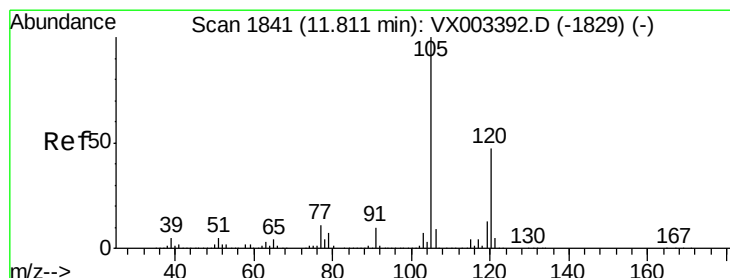
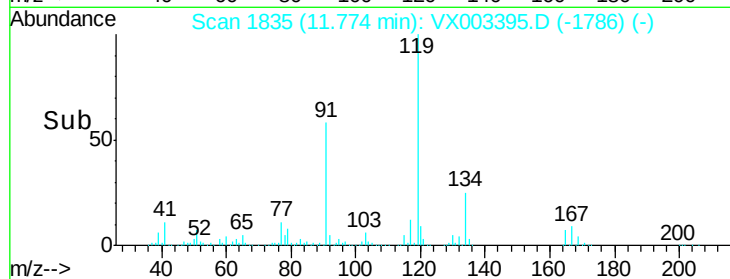
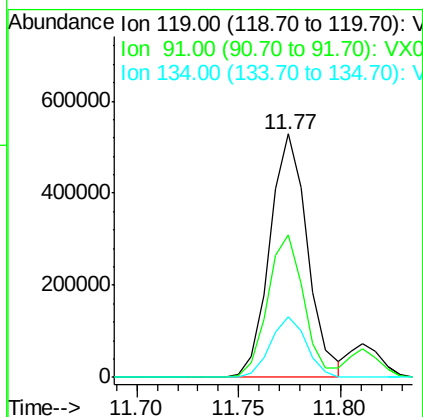
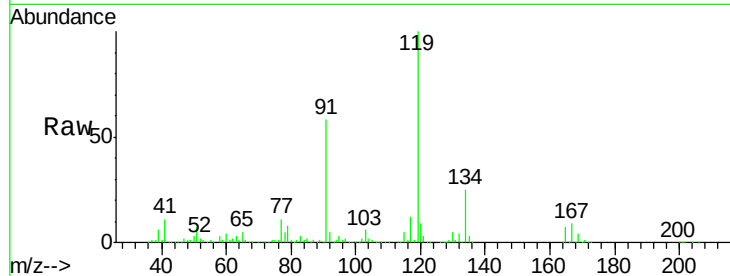




#83
 tert-Butylbenzene
 Concen: 49.28 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

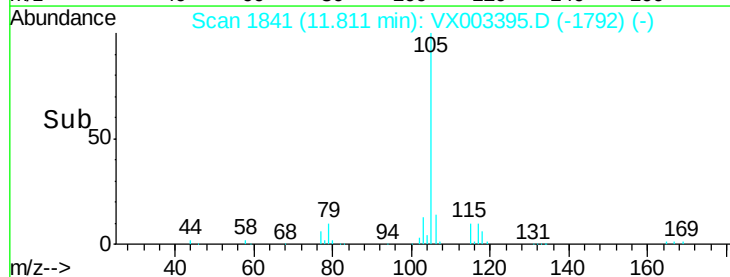
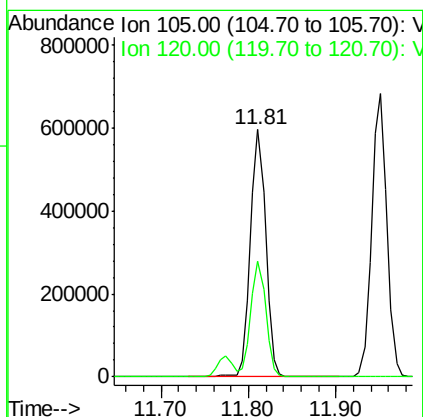
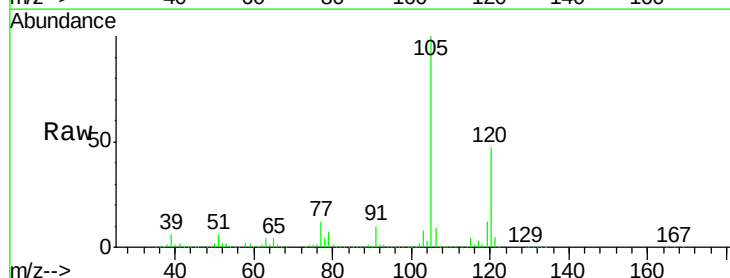
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

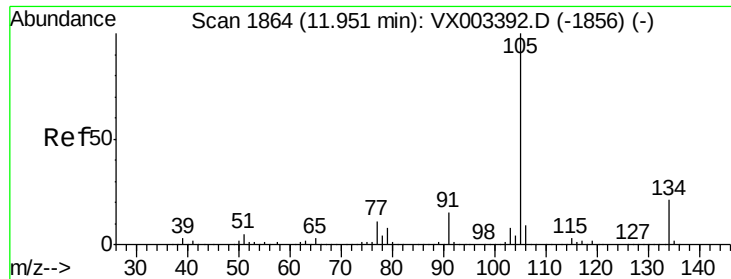
Tot Ion:119 Resp: 679687
 Ion Ratio Lower Upper
 119 100
 91 56.7 30.3 90.9
 134 23.7 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 49.46 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion:105 Resp: 717071
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.3 66.8





#85

sec-Butylbenzene

Concen: 49.75 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

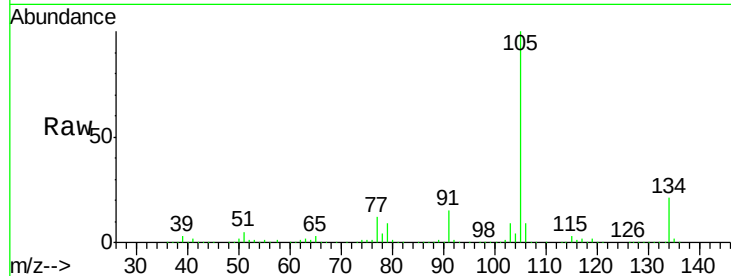
ICVX071618

Tot Ion:105 Resp: 832450

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

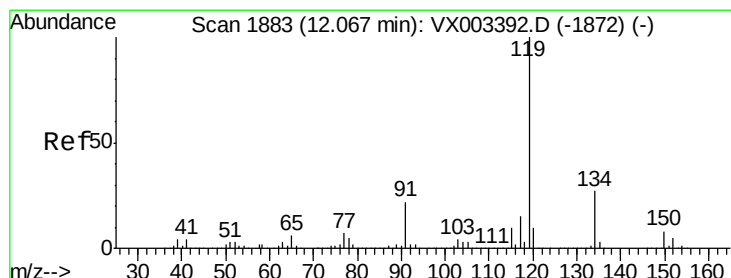
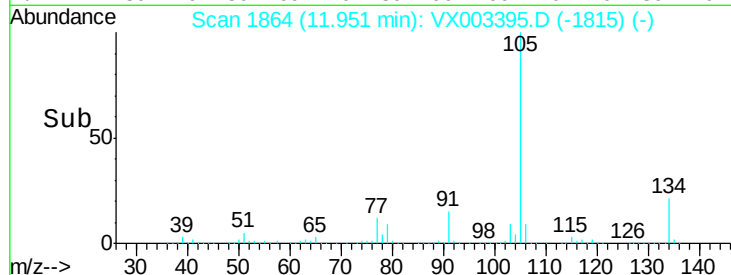
400000

200000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 50.72 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

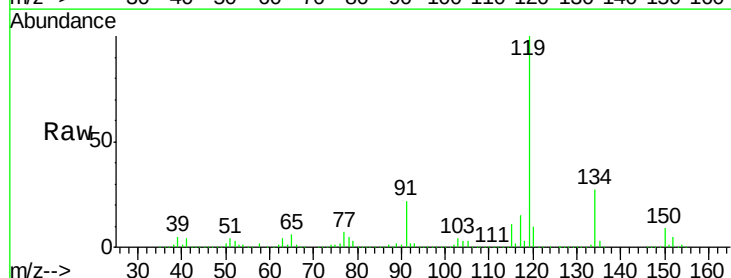
Tgt Ion:119 Resp: 755412

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 22.2 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

800000

600000

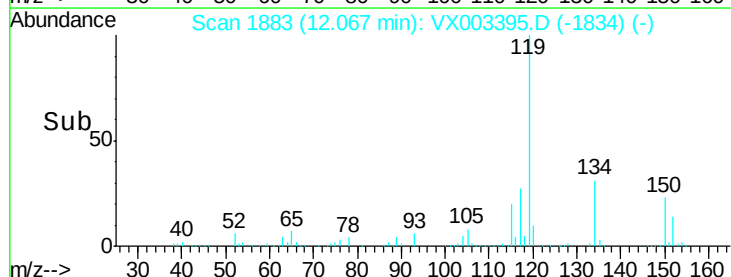
400000

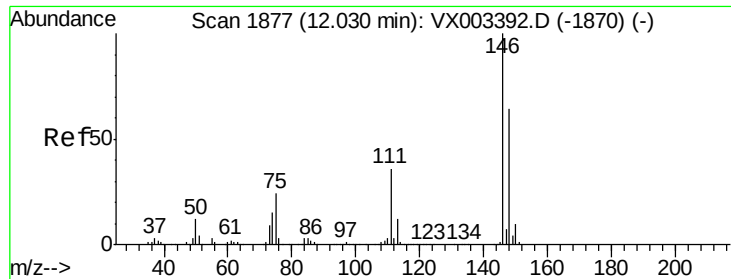
200000

0

12.00 12.05 12.10 12.20

Time-->

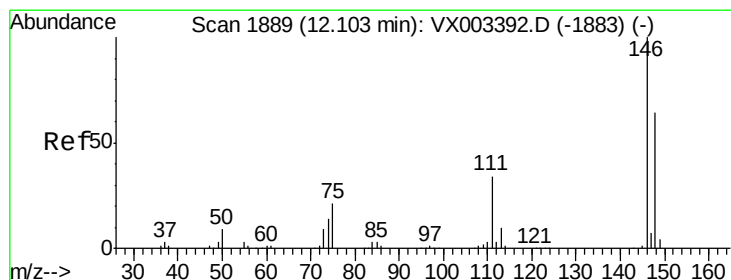
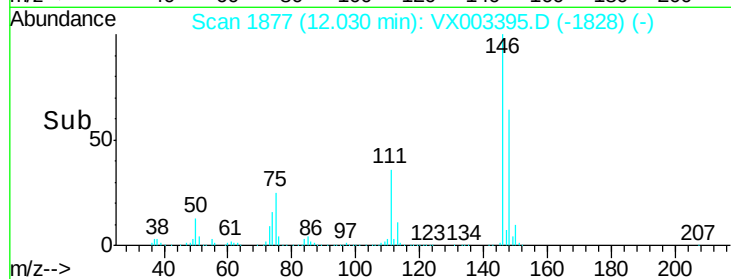
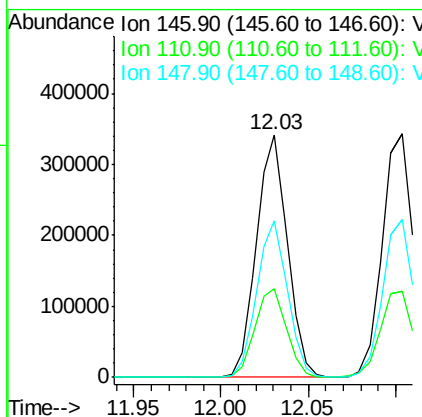
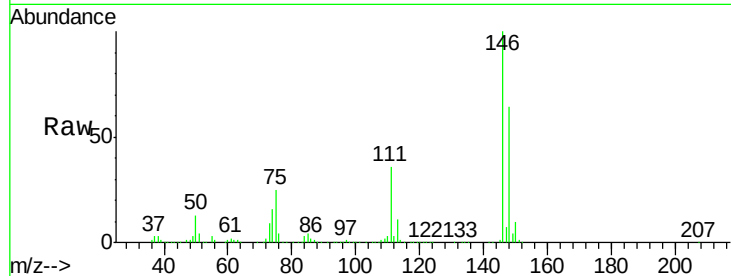




#87
 1,3-Dichlorobenzene
 Concen: 46.82 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

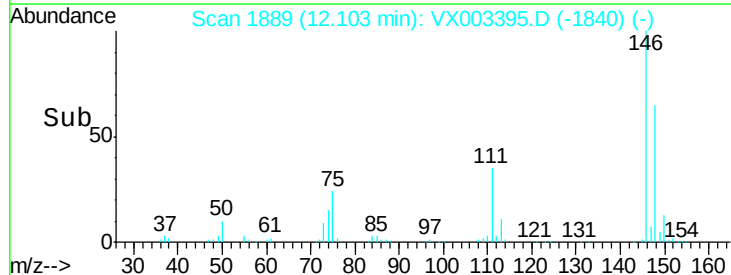
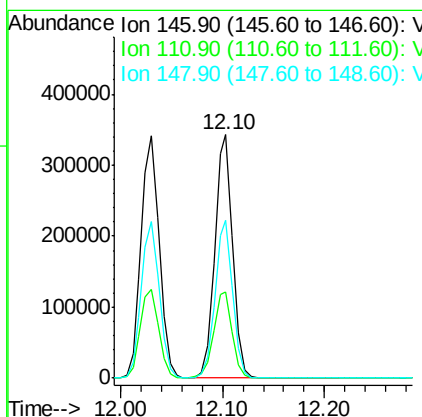
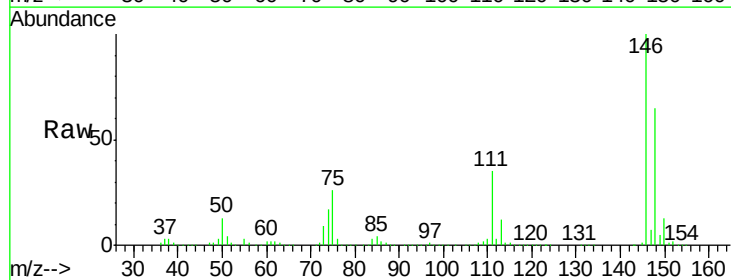
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

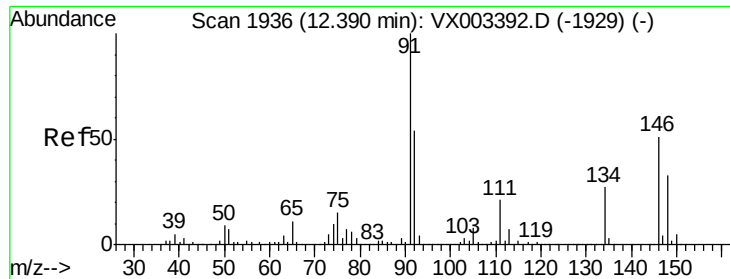
Tot Ion:146 Resp: 420484
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.7
 148 63.9 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 46.28 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion:146 Resp: 422020
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.7 56.1
 148 64.2 32.4 97.0





#89

n-Butylbenzene

Concen: 51.89 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVX071618

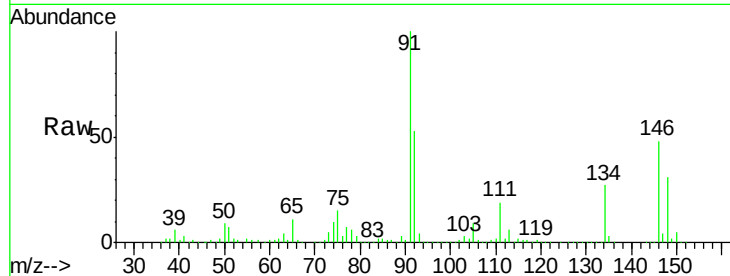
Tot Ion: 91 Resp: 658281

Ion Ratio Lower Upper

91 100

92 52.8 26.0 78.0

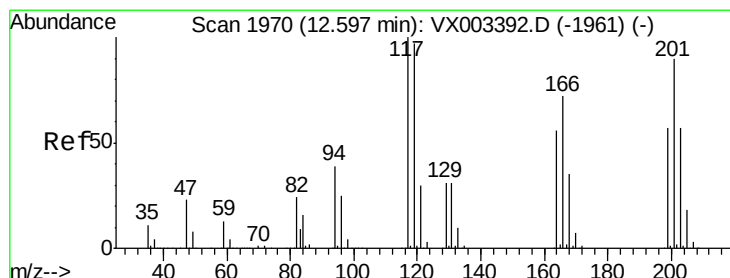
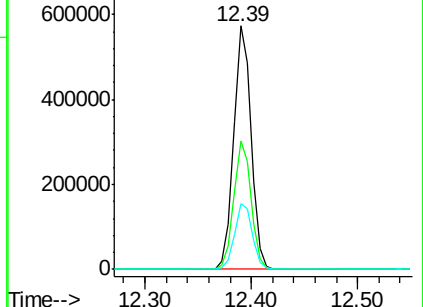
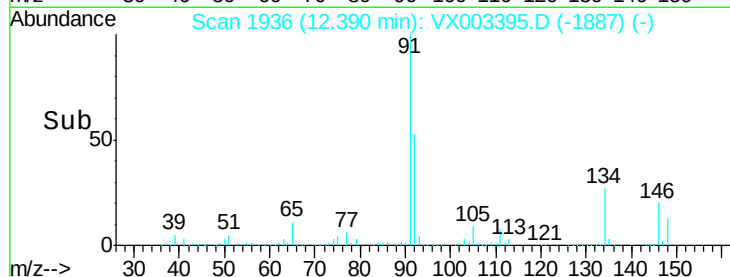
134 27.4 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX003392.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX003392.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX003392.D (-1929) (-)



#90

Hexachloroethane

Concen: 48.21 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003395.D

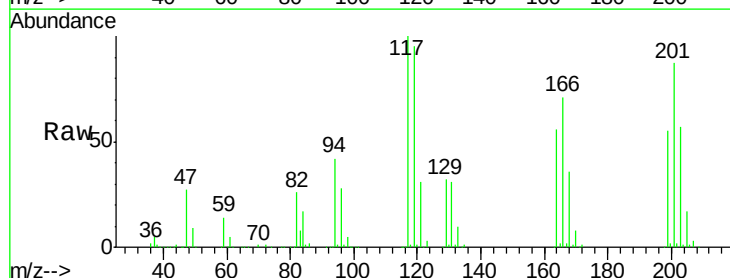
Acq: 16 Jul 2018 14:18

Tgt Ion: 117 Resp: 108795

Ion Ratio Lower Upper

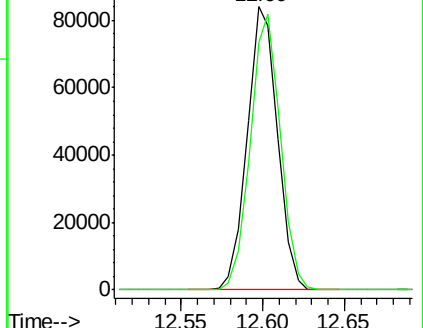
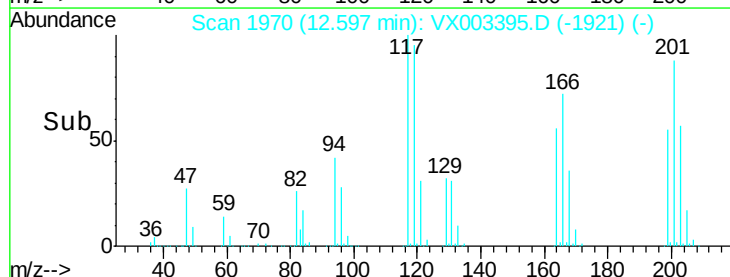
117 100

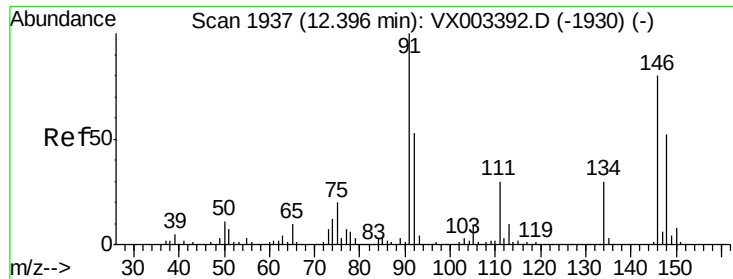
201 96.5 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): VX003392.D (-1961) (-)

Ion 200.70 (200.40 to 201.40): VX003392.D (-1961) (-)

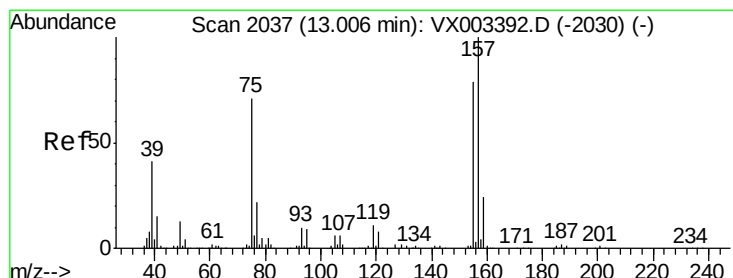
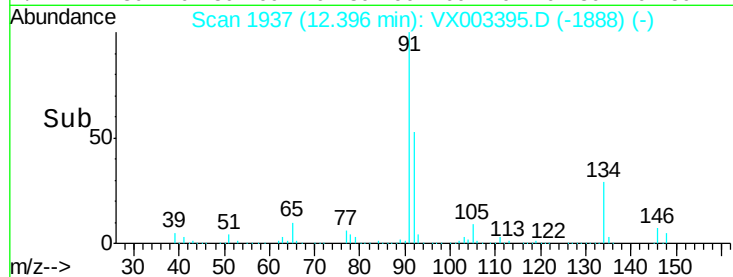
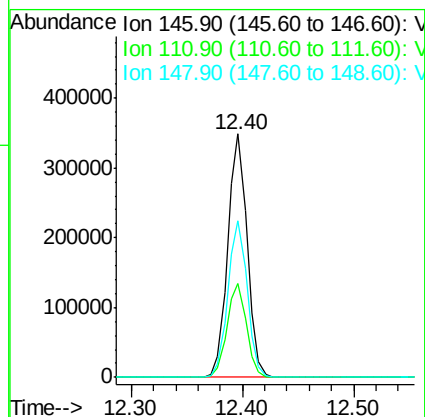
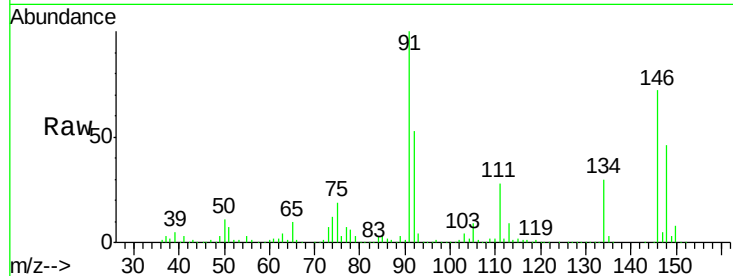




#91
 1,2-Dichlorobenzene
 Concen: 46.35 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

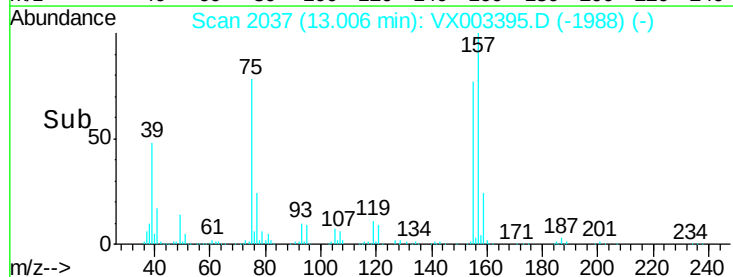
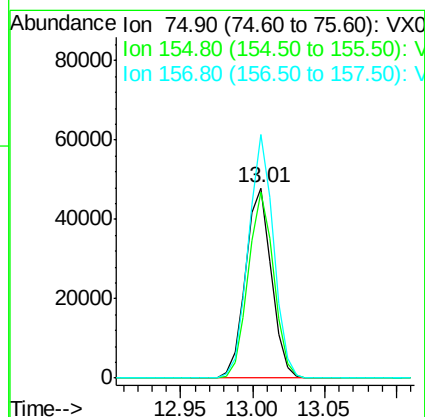
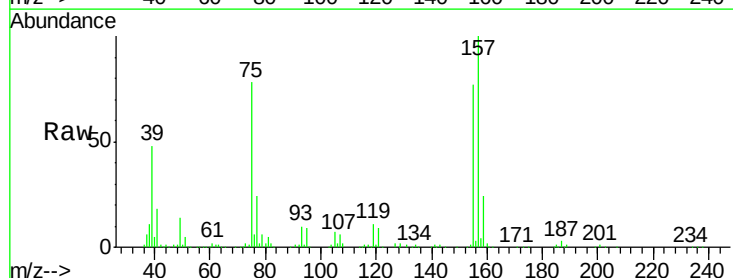
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

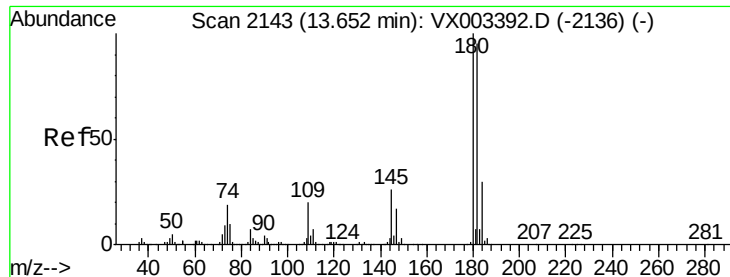
Tot Ion:146 Resp: 418026
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.4 58.1
 148 64.4 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.02 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion: 75 Resp: 59337
 Ion Ratio Lower Upper
 75 100
 155 96.5 45.8 137.4
 157 124.5 60.1 180.3

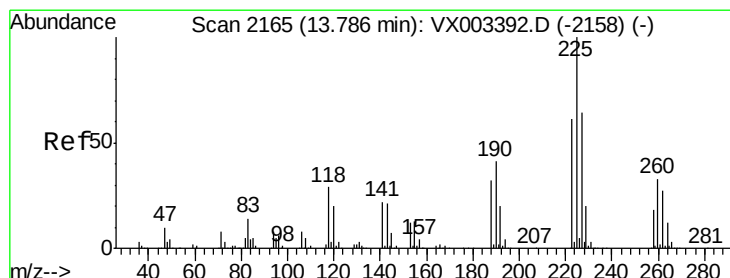
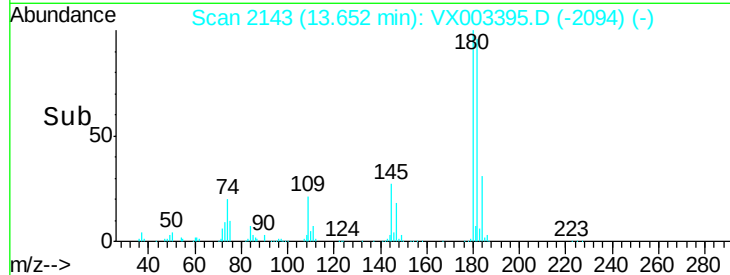
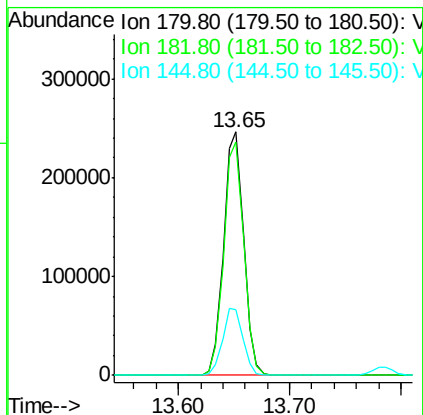
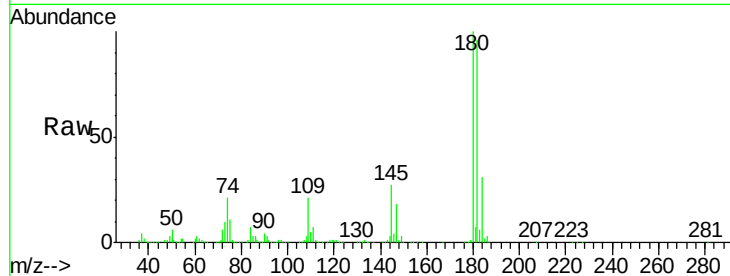




#93
 1,2,4-Trichlorobenzene
 Concen: 49.49 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

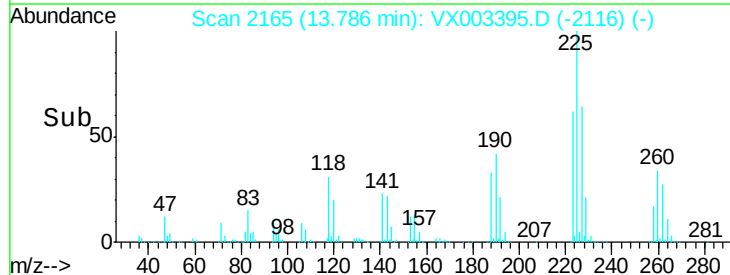
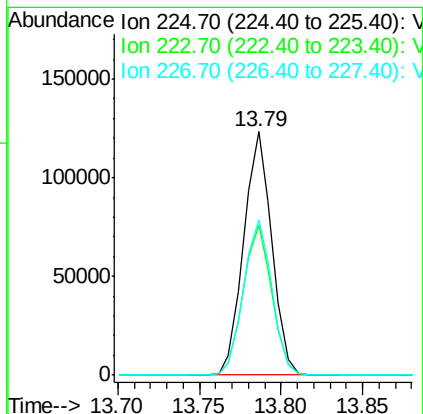
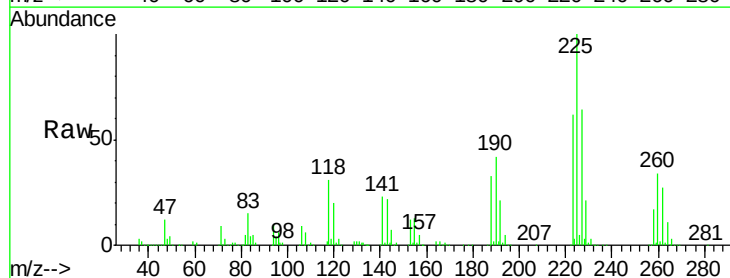
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

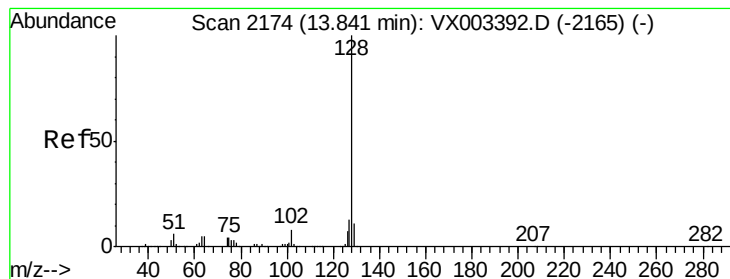
Tot Ion:180 Resp: 305459
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.7 143.1
 145 28.0 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 49.87 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion:225 Resp: 148155
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.6 95.0
 227 64.6 32.4 97.2





#95

Naphthalene

Concen: 50.86 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

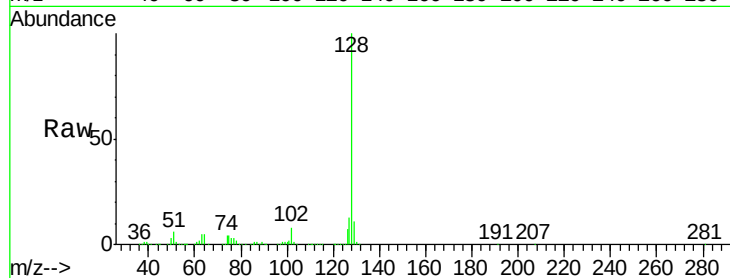
Tot Ion:128 Resp: 899795

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

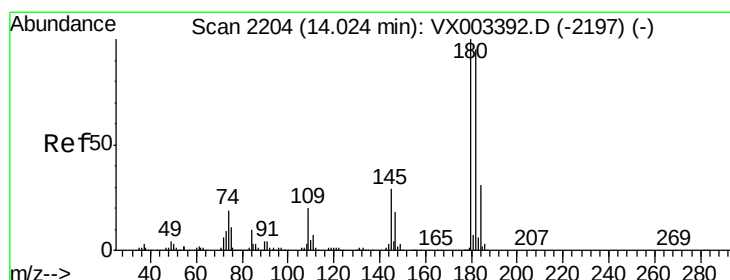
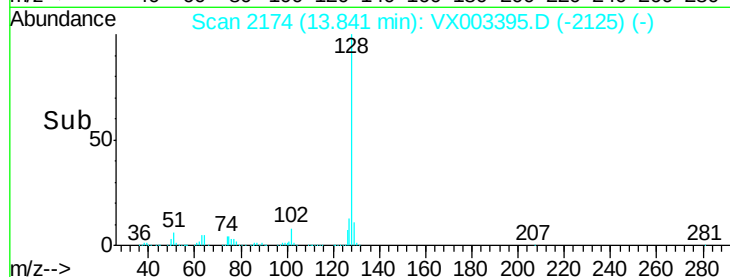
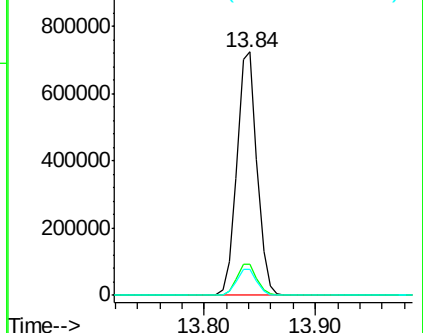
129 10.9 8.6 13.0



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: 48.17 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

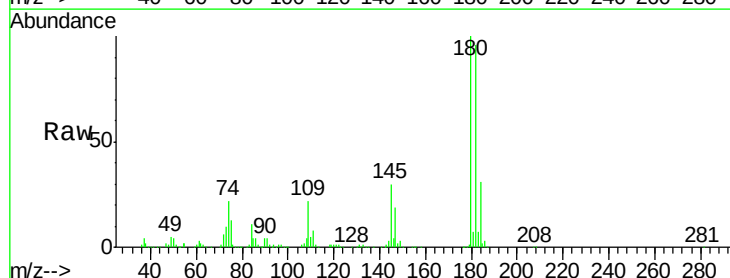
Tgt Ion:180 Resp: 305806

Ion Ratio Lower Upper

180 100

182 95.7 48.0 144.0

145 29.7 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

