

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071818\
 Data File : VX003441.D
 Acq On : 18 Jul 2018 12:29
 Operator : JC/MD
 Sample : VX0718WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 18 13:54:23 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	346672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	484825	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	444660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	272491	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	200778	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	
35) Dibromofluoromethane	5.50	113	184723	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
50) Toluene-d8	8.72	98	707835	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
62) 4-Bromofluorobenzene	11.14	95	257569	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	74966	19.16	ug/l	99
3) Chloromethane	1.32	50	72246	17.06	ug/l	99
4) Vinyl Chloride	1.40	62	81732	17.71	ug/l	100
5) Bromomethane	1.64	94	36651	20.06	ug/l	98
6) Chloroethane	1.72	64	49311	17.80	ug/l	97
7) Trichlorofluoromethane	1.93	101	113424	18.53	ug/l	98
8) Diethyl Ether	2.19	74	48199	18.40	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	75086	19.42	ug/l	95
10) Methyl Iodide	2.51	142	56257	13.60	ug/l	92
11) Tert butyl alcohol	3.07	59	83136	81.43	ug/l	100
12) 1,1-Dichloroethene	2.37	96	67835	18.56	ug/l	83
13) Acrolein	2.29	56	44525	90.91	ug/l	98
14) Allyl chloride	2.73	41	117609	17.74	ug/l	88
15) Acrylonitrile	3.15	53	195183	83.44	ug/l	97
16) Acetone	2.45	43	152879	80.96	ug/l	90
17) Carbon Disulfide	2.57	76	165446	16.50	ug/l	98
18) Methyl Acetate	2.78	43	120224	19.55	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	221578	18.26	ug/l	100
20) Methylene Chloride	2.85	84	76586	21.82	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	70255	17.80	ug/l	93
22) Diisopropyl ether	3.87	45	226671	17.63	ug/l #	94
23) Vinyl Acetate	3.82	43	891363	84.06	ug/l #	92
24) 1,1-Dichloroethane	3.70	63	131418	18.02	ug/l	99
25) 2-Butanone	4.71	43	248506	84.09	ug/l #	88
26) 2,2-Dichloropropane	4.59	77	99250	19.38	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	81286	19.14	ug/l	90
28) Bromochloromethane	5.02	49	61534	19.43	ug/l #	82
29) Tetrahydrofuran	5.17	42	160040	85.39	ug/l	90
30) Chloroform	5.21	83	129167	19.22	ug/l	92
31) Cyclohexane	5.57	56	108999	19.35	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	106963	18.71	ug/l	97
36) 1,1-Dichloropropene	5.80	75	92867	18.92	ug/l	97
37) Ethyl Acetate	4.86	43	94287	17.04	ug/l #	94
38) Carbon Tetrachloride	5.78	117	94174	18.85	ug/l	99

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Quant Time: Jul 18 13:54:23 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)
39) Methylcyclohexane	7.46	83	110059	19.58	ug/l	92
40) Benzene	6.14	78	288099	19.29	ug/l	98
41) Methacrylonitrile	5.06	41	55253	18.16	ug/l	93
42) 1,2-Dichloroethane	6.20	62	92735	18.10	ug/l	94
43) Isopropyl Acetate	6.46	43	147408	17.65	ug/l #	93
44) Trichloroethene	7.21	130	86263	19.93	ug/l	94
45) 1,2-Dichloropropane	7.52	63	75181	19.35	ug/l	98
46) Dibromomethane	7.67	93	48684	18.82	ug/l	94
47) Bromodichloromethane	7.90	83	88025	18.58	ug/l	95
48) Methyl methacrylate	7.78	41	76665	18.00	ug/l #	83
49) 1,4-Dioxane	7.76	88	34468	353.39	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	483733	88.01	ug/l	91
52) Toluene	8.79	92	186020	19.89	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	110748	19.80	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	98028	19.20	ug/l #	88
55) 1,1,2-Trichloroethane	9.22	97	76403	19.55	ug/l	97
56) Ethyl methacrylate	9.18	69	104665	18.92	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	121189	19.30	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	269941	97.30	ug/l	96
59) 2-Hexanone	9.50	43	369202	87.42	ug/l	88
60) Dibromochloromethane	9.59	129	74190	19.11	ug/l	99
61) 1,2-Dibromoethane	9.68	107	77777	19.31	ug/l	100
64) Tetrachloroethene	9.34	164	97803	21.02	ug/l	96
65) Chlorobenzene	10.14	112	212040	20.19	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	75660	20.26	ug/l	99
67) Ethyl Benzene	10.26	91	346582	20.19	ug/l	100
68) m/p-Xylenes	10.36	106	273833	41.23	ug/l	96
69) o-Xylene	10.70	106	131441	20.61	ug/l	95
70) Styrene	10.71	104	218080	20.77	ug/l	97
71) Bromoform	10.86	173	57035	18.99	ug/l #	98
73) Isopropylbenzene	11.02	105	357488	20.49	ug/l	99
74) N-amyl acetate	6.46	43	147408	17.57	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	105905	18.39	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	119663	24.26	ug/l	81
77) Bromobenzene	11.26	156	100308	20.24	ug/l	96
78) n-propylbenzene	11.36	91	399992	20.52	ug/l	99
79) 2-Chlorotoluene	11.42	91	239517	20.04	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	295380	20.72	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	27892	18.37	ug/l	92
82) 4-Chlorotoluene	11.51	91	280479	20.12	ug/l	98
83) tert-Butylbenzene	11.77	119	286235	20.55	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	302037	20.63	ug/l	97
85) sec-Butylbenzene	11.95	105	349928	20.71	ug/l	100
86) p-Isopropyltoluene	12.07	119	314240	20.89	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	182563	20.13	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	184421	20.02	ug/l	99
89) n-Butylbenzene	12.39	91	263889	20.59	ug/l	99
90) Hexachloroethane	12.60	117	43178	18.94	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	183176	20.11	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20249	16.90	ug/l	85

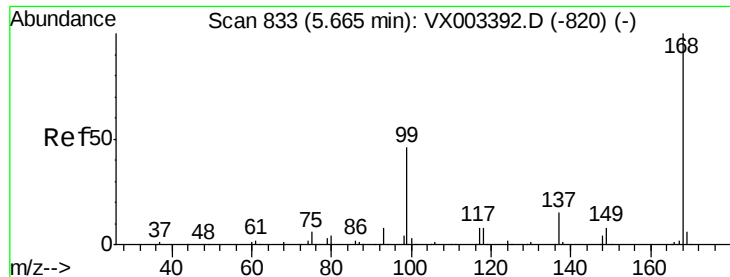
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071818\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 13:15:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	130582	20.95	ug/l	100
94) Hexachlorobutadiene	13.79	225	63977	21.32	ug/l	99
95) Naphthalene	13.83	128	363171	20.33	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	132682	20.69	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: VX003441.D

Acq: 18 Jul 2018 12:29

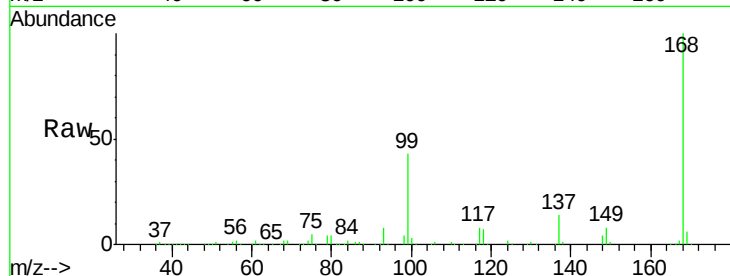
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 346672

Ion Ratio Lower Upper

168 100

99 43.0 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

150000

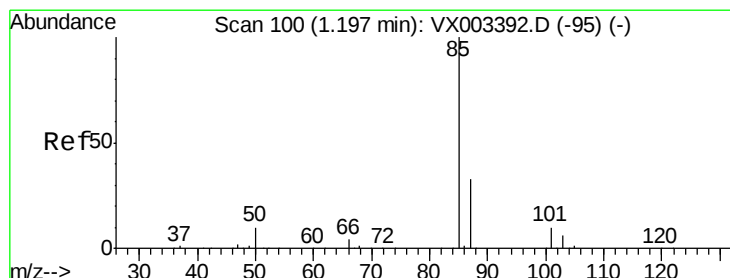
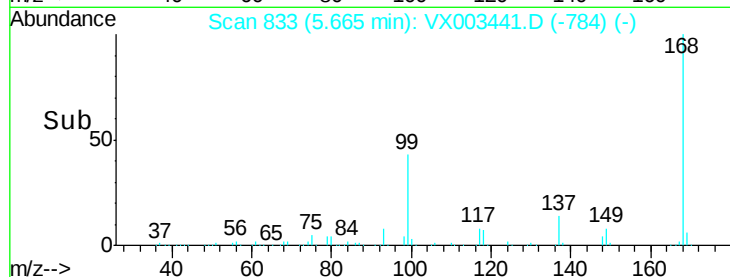
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 19.16 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003441.D

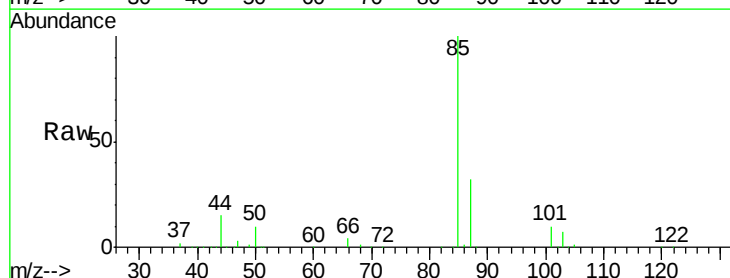
Acq: 18 Jul 2018 12:29

Tgt Ion: 85 Resp: 74966

Ion Ratio Lower Upper

85 100

87 32.3 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

80000

60000

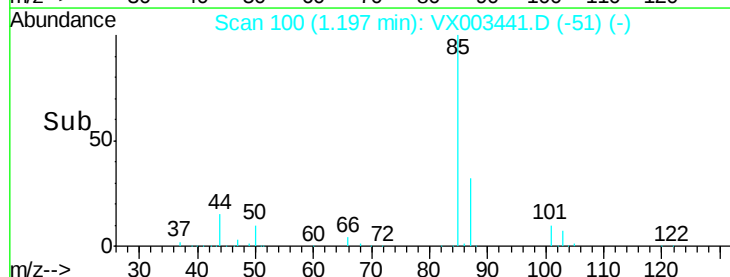
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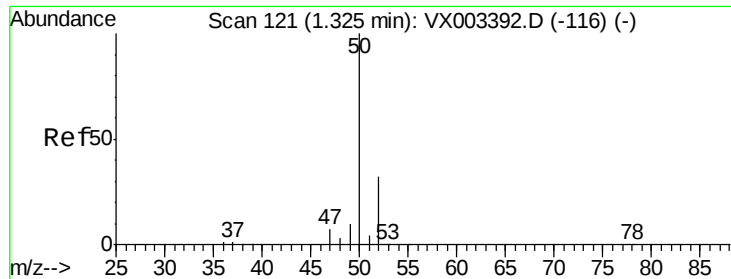
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.06 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

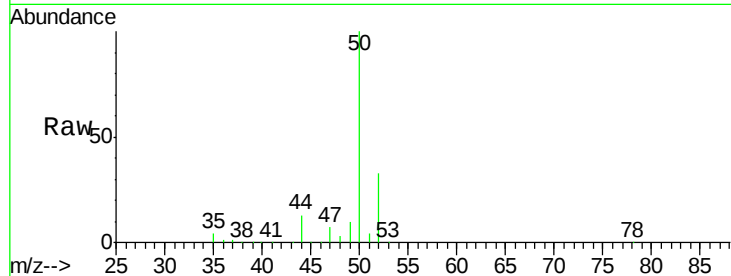
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 50 Resp: 72246

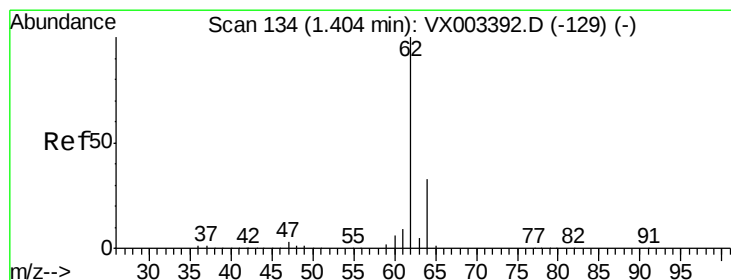
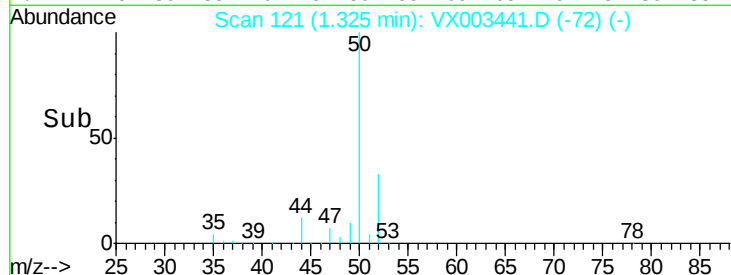
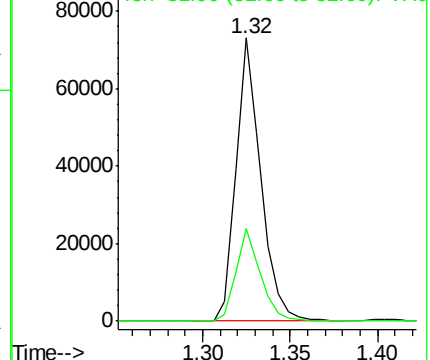
Ion Ratio Lower Upper

50 100

52 32.6 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0
Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.71 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003441.D

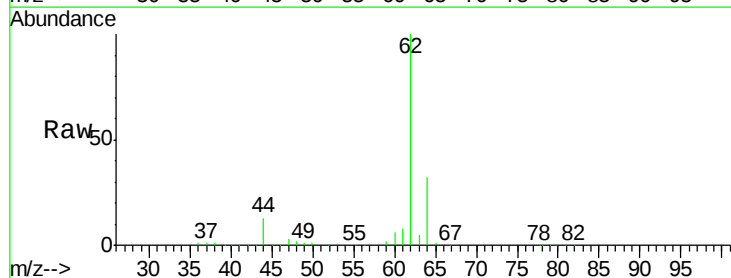
Acq: 18 Jul 2018 12:29

Tgt Ion: 62 Resp: 81732

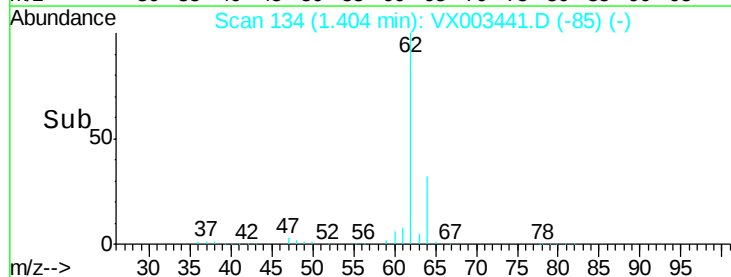
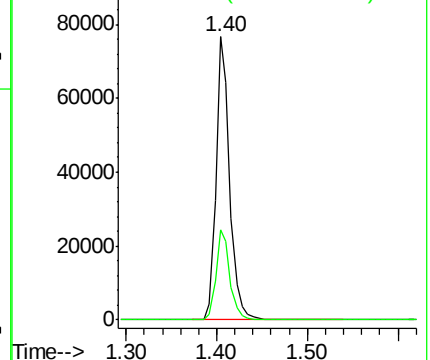
Ion Ratio Lower Upper

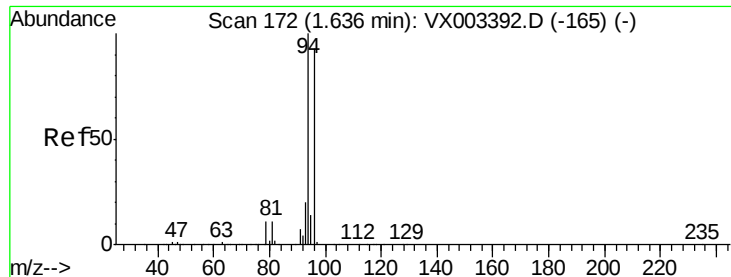
62 100

64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.06 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

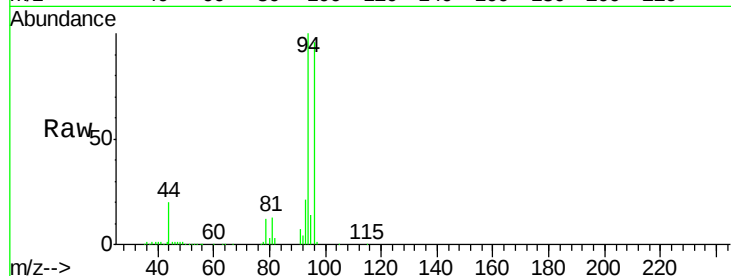
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 36651

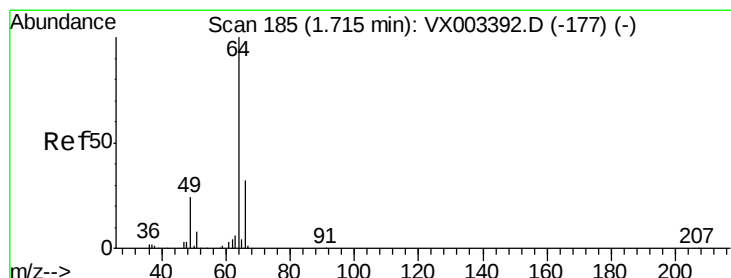
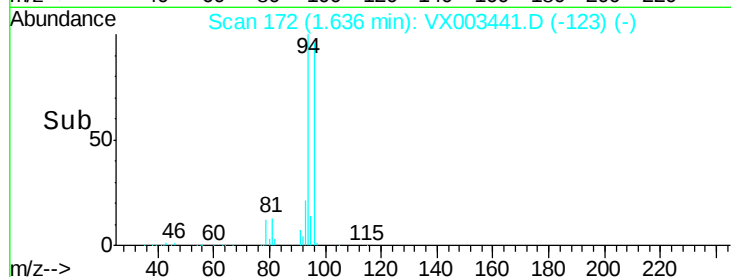
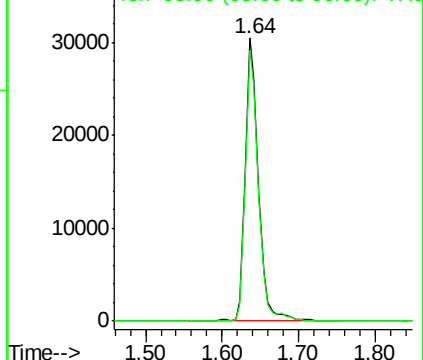
Ion Ratio Lower Upper

94 100

96 95.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.80 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003441.D

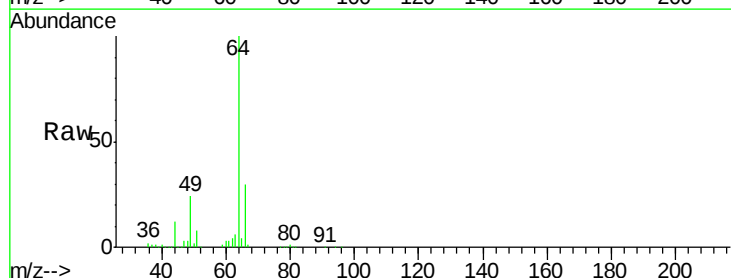
Acq: 18 Jul 2018 12:29

Tgt Ion: 64 Resp: 49311

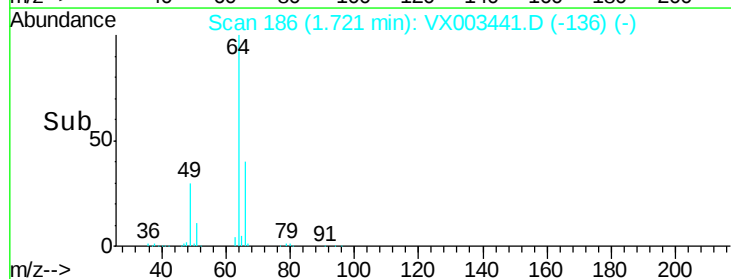
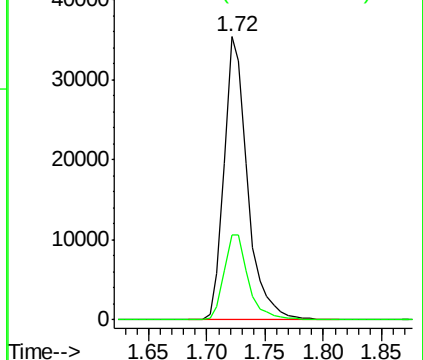
Ion Ratio Lower Upper

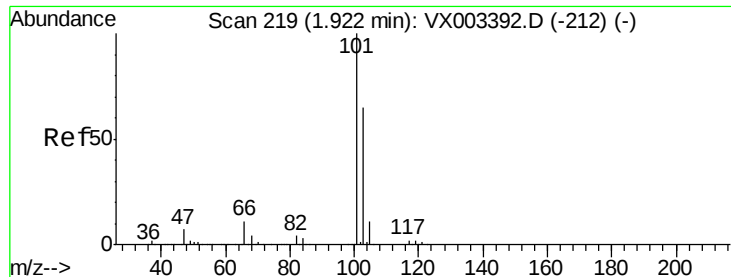
64 100

66 30.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



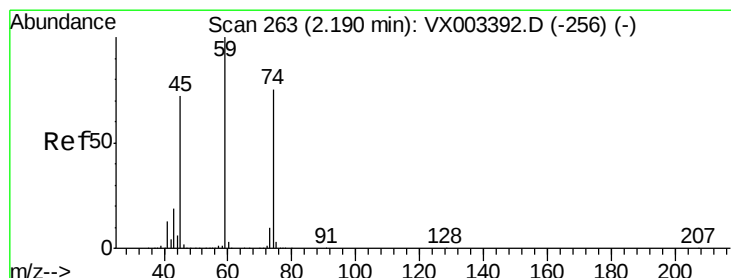
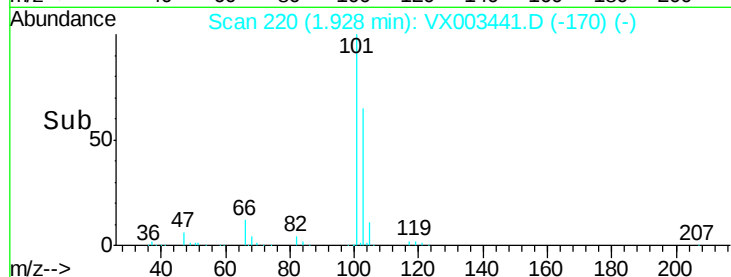
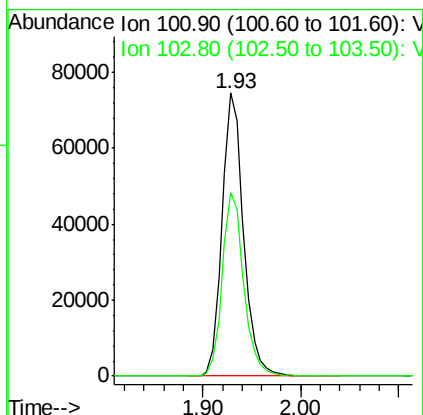
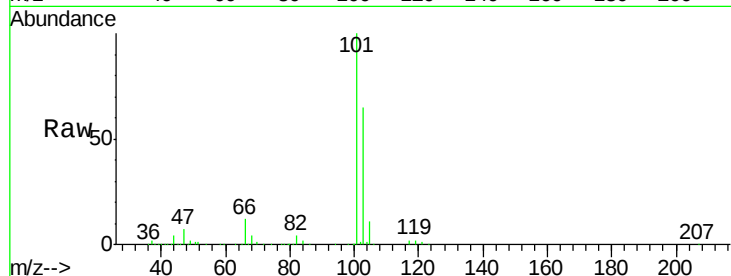


#7

Trichlorofluoromethane
 Concen: 18.53 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Instrument :
 MSVOA_X
 ClientSampled :

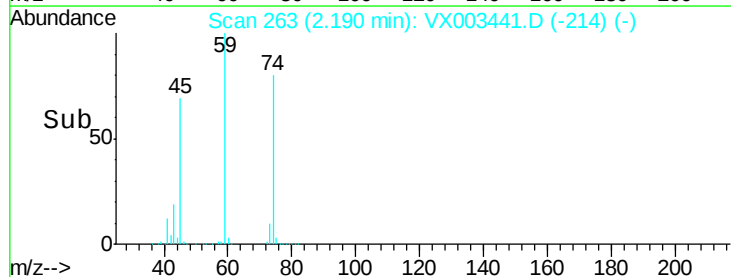
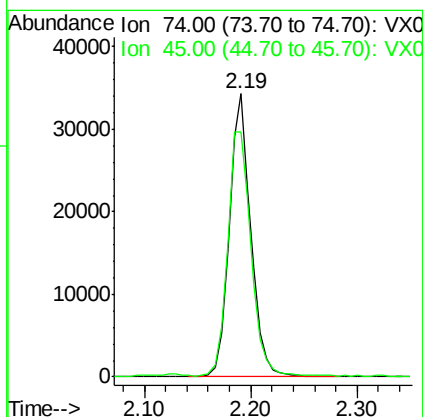
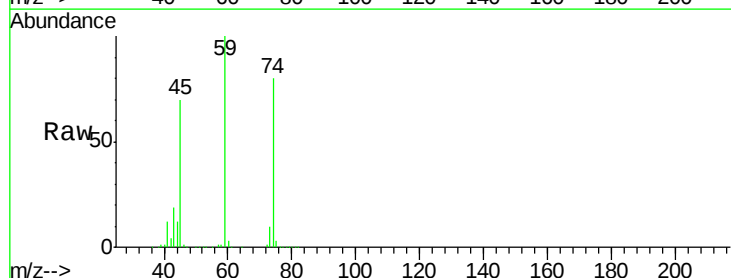
Tot Ion:101 Resp: 113424
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.8 79.2

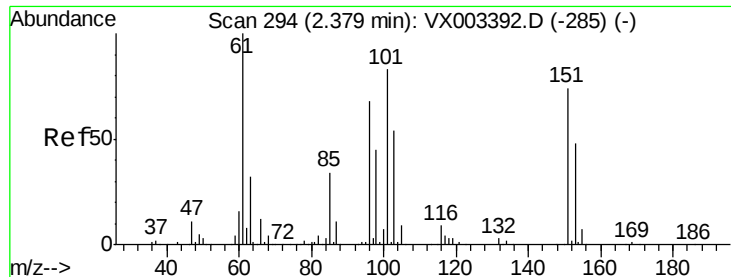


#8

Diethyl Ether
 Concen: 18.40 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Tgt Ion: 74 Resp: 48199
 Ion Ratio Lower Upper
 74 100
 45 94.7 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.42 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampled :

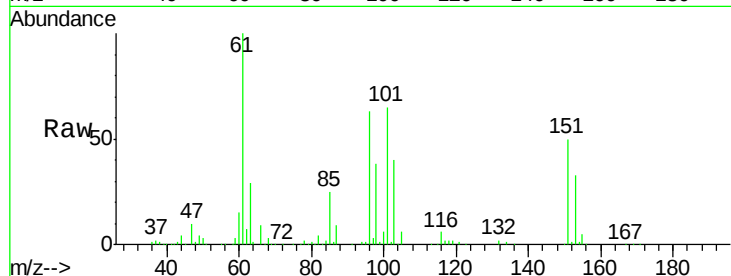
Tot Ion:101 Resp: 75086

Ion Ratio Lower Upper

101 100

85 40.5 36.0 54.0

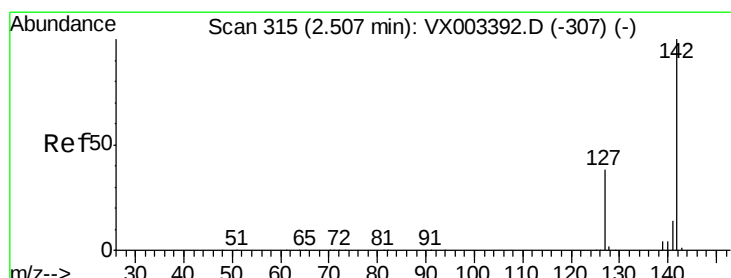
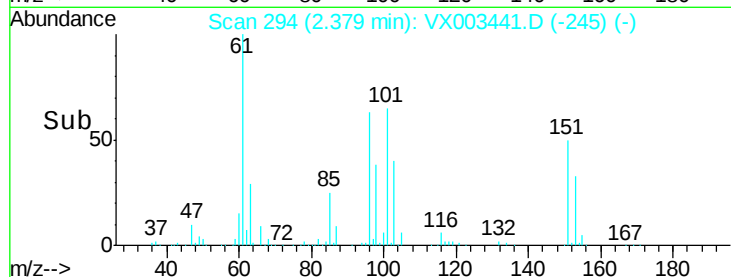
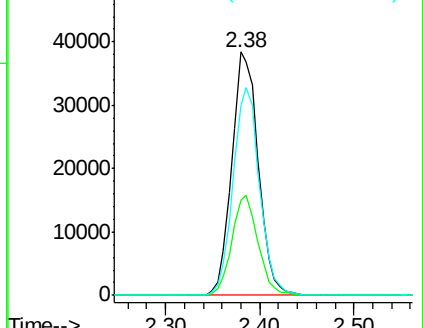
151 85.5 70.9 106.3



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: 13.60 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

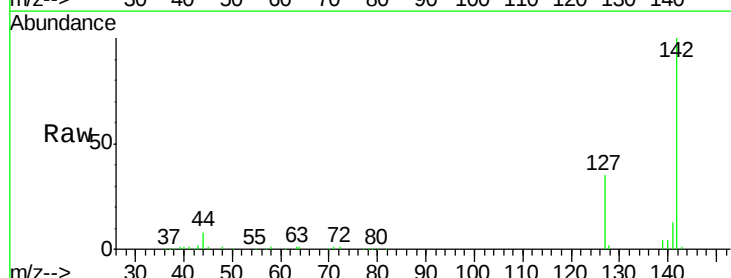
Tgt Ion:142 Resp: 56257

Ion Ratio Lower Upper

142 100

127 38.8 36.6 55.0

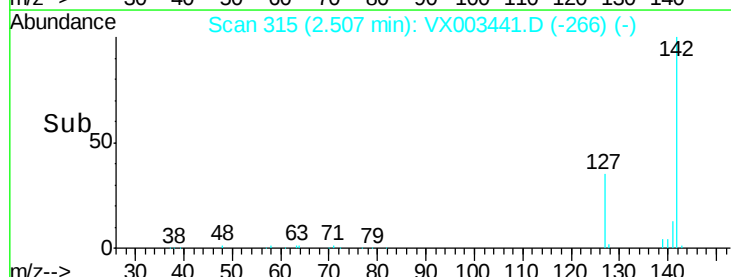
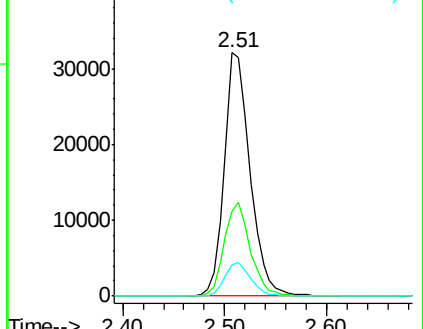
141 13.9 11.3 16.9

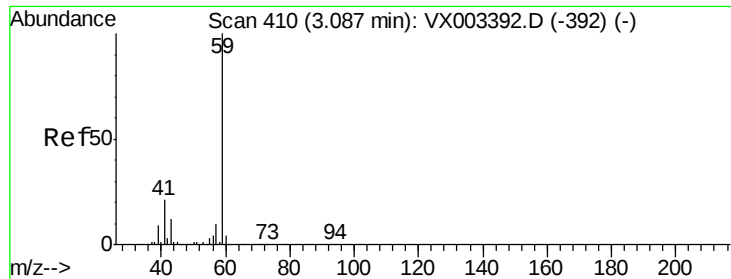


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



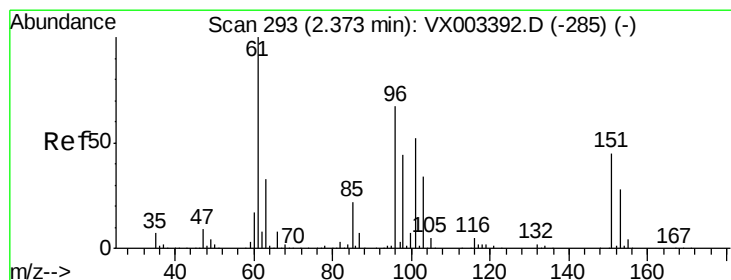
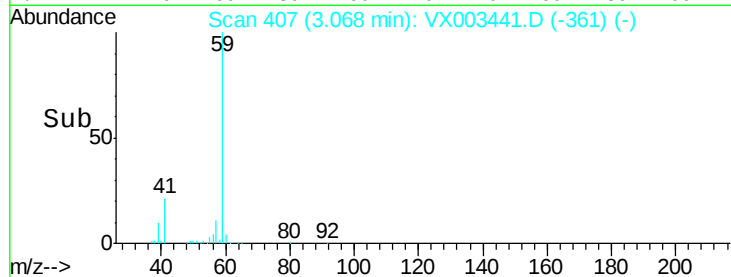
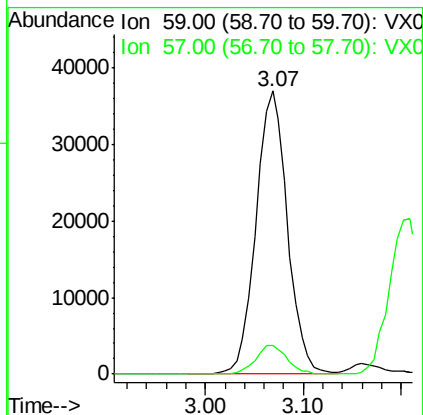
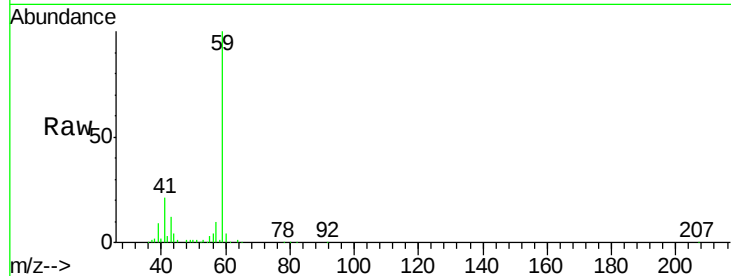


#11

Tert butyl alcohol
 Concen: 81.43 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.02 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Instrument :
 MSVOA_X
 ClientSampleId :

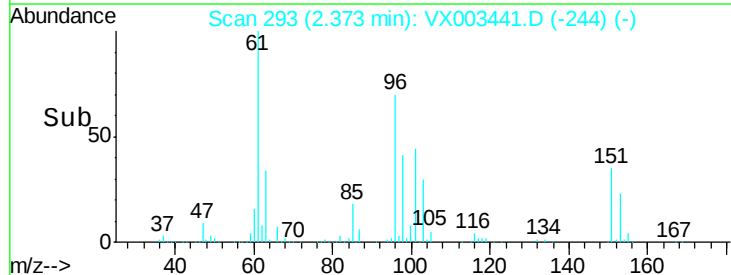
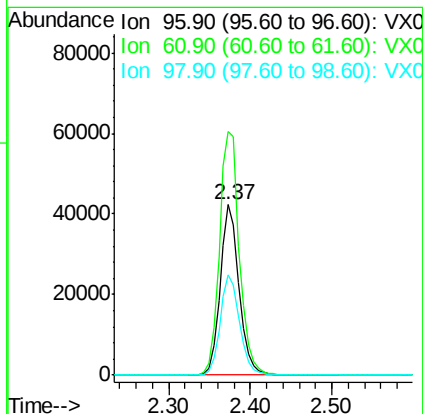
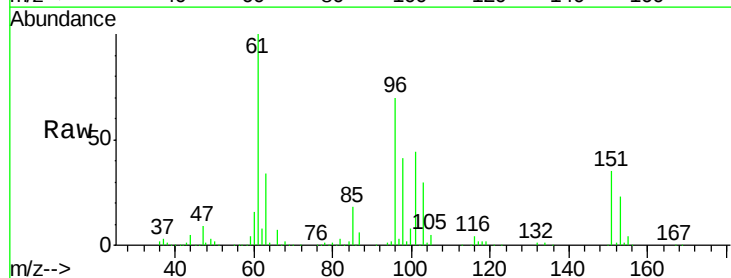
Tot Ion: 59 Resp: 83136
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2

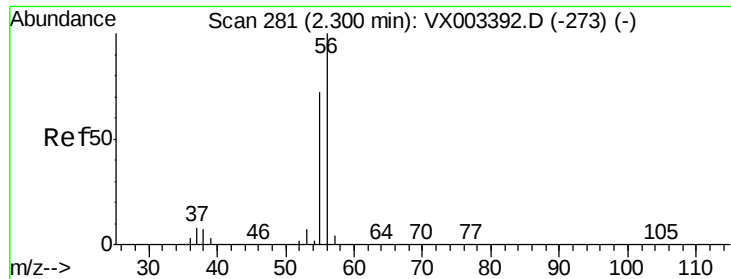


#12

1,1-Dichloroethene
 Concen: 18.56 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Tgt Ion: 96 Resp: 67835
 Ion Ratio Lower Upper
 96 100
 61 143.2 137.9 206.9
 98 58.9 51.6 77.4





#13

Acrolein

Concen: 90.91 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

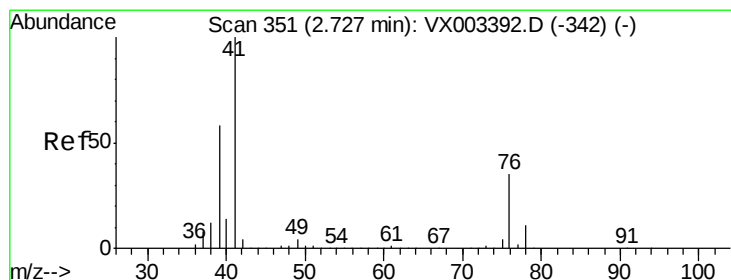
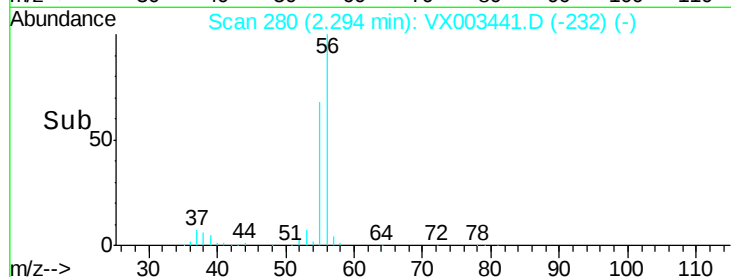
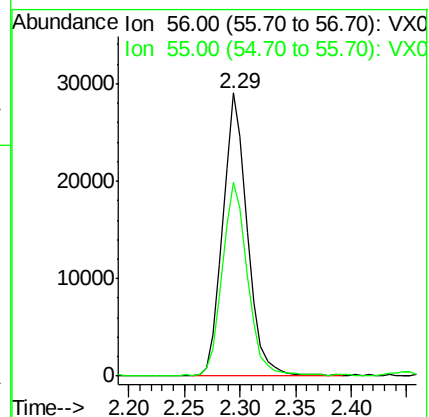
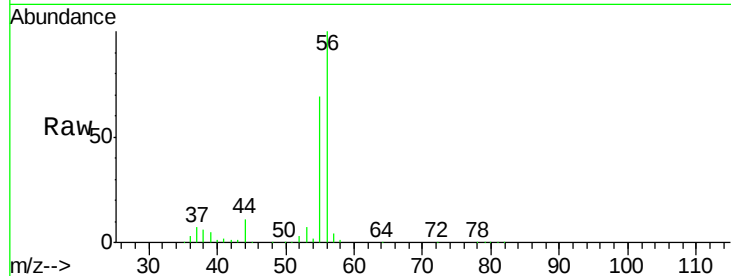
ClientSampleId :

Tot Ion: 56 Resp: 44525

Ion Ratio Lower Upper

56 100

55 69.7 57.0 85.4



#14

Allyl chloride

Concen: 17.74 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

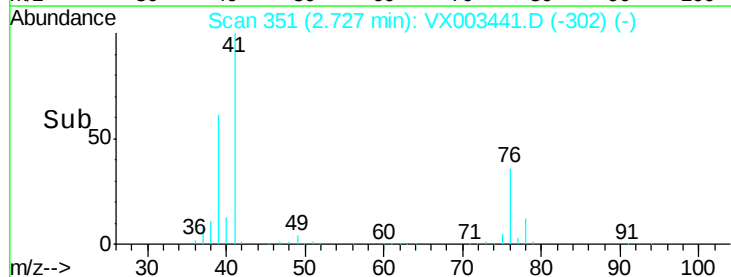
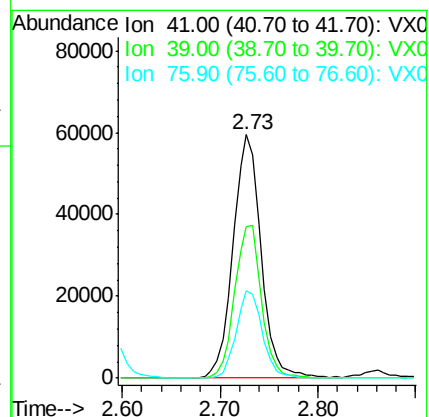
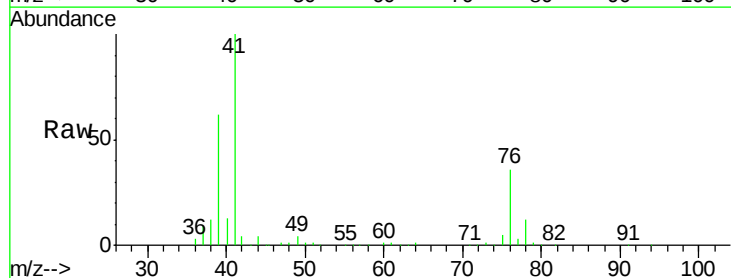
Tgt Ion: 41 Resp: 117609

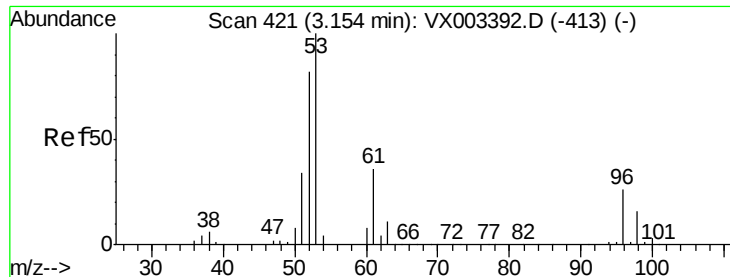
Ion Ratio Lower Upper

41 100

39 59.7 56.8 85.2

76 33.7 23.8 35.8





#15

Acrylonitrile

Concen: 83.44 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampled :

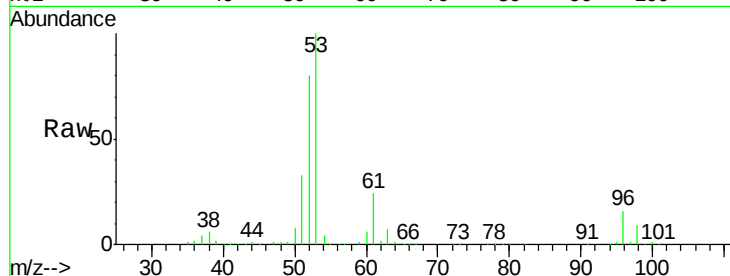
Tot Ion: 53 Resp: 195183

Ion Ratio Lower Upper

53 100

52 81.5 66.7 100.1

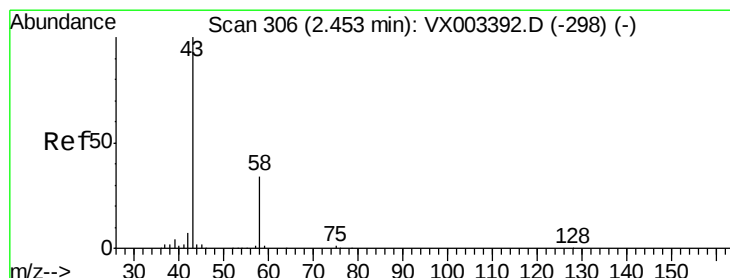
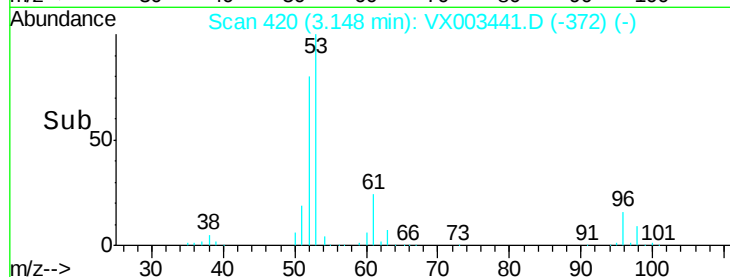
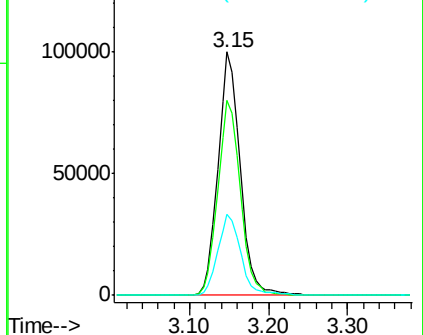
51 34.4 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 80.96 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003441.D

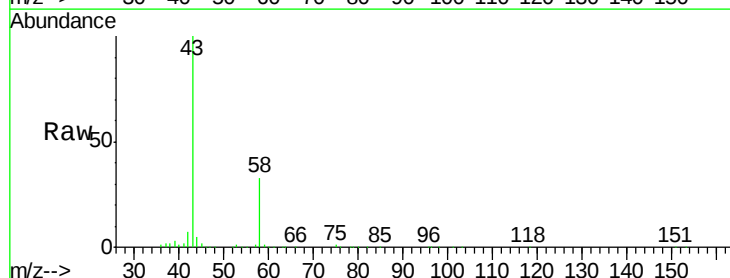
Acq: 18 Jul 2018 12:29

Tgt Ion: 43 Resp: 152879

Ion Ratio Lower Upper

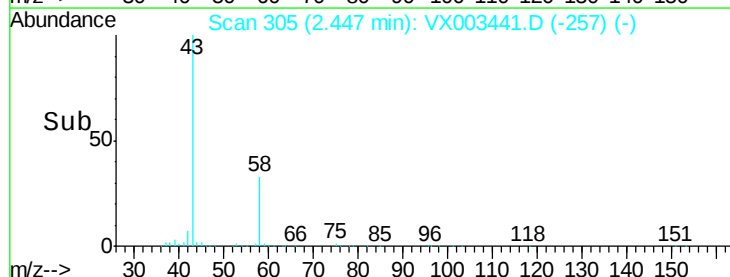
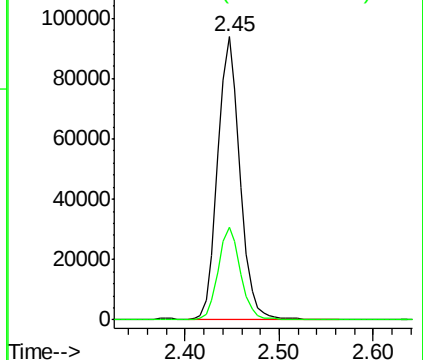
43 100

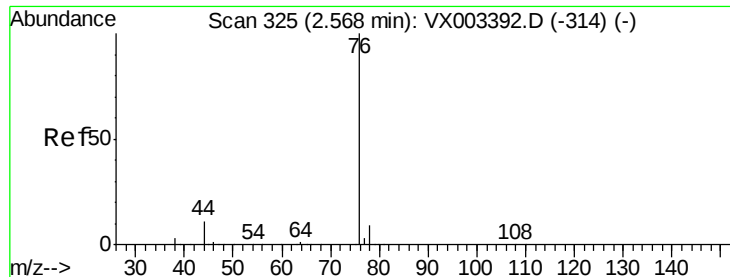
58 32.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

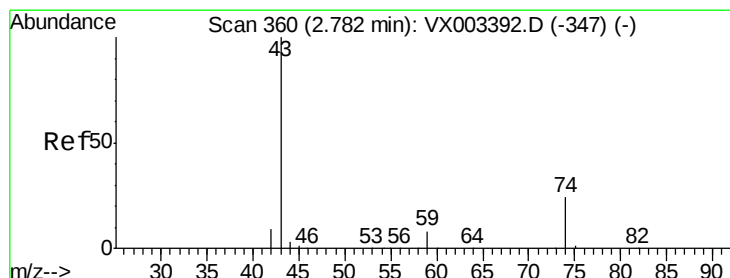
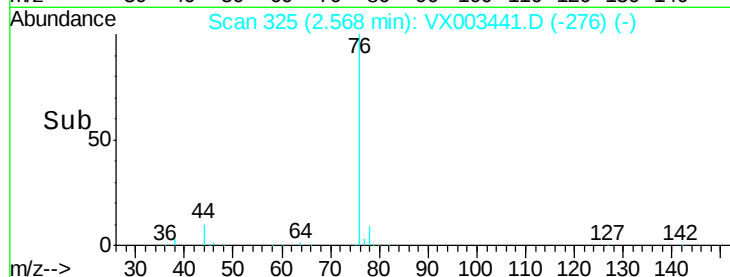
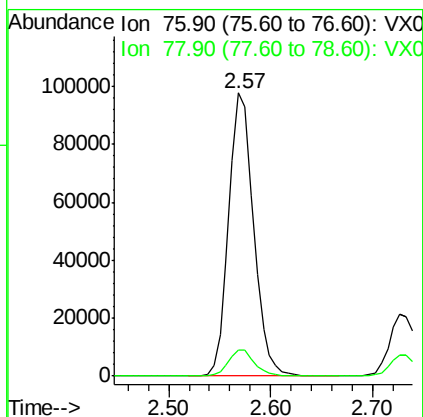
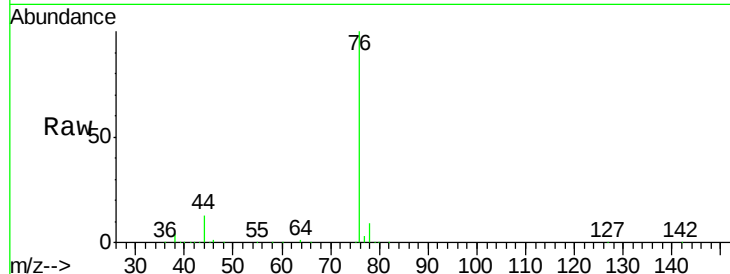




#17
Carbon Disulfide
Concen: 16.50 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

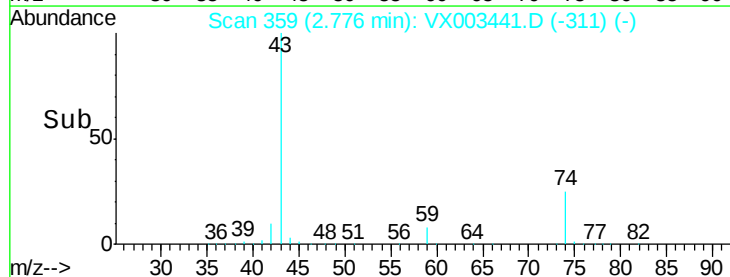
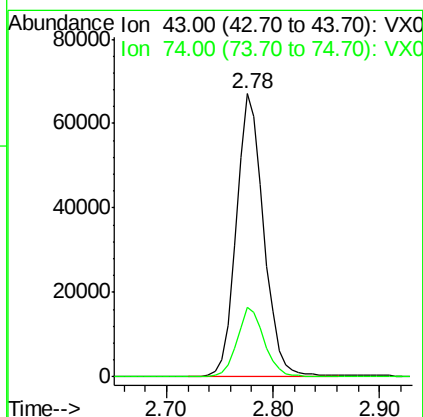
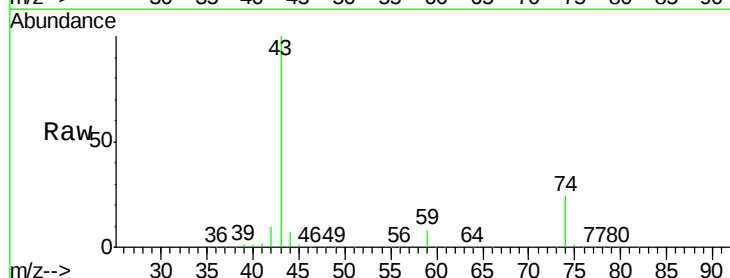
Instrument :
MSVOA_X
ClientSampled :

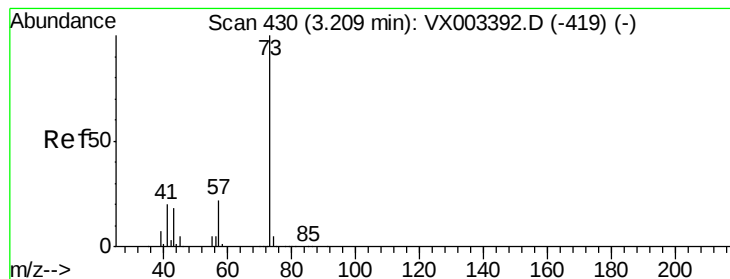
Tot Ion: 76 Resp: 165446
Ion Ratio Lower Upper
76 100
78 9.3 6.9 10.3



#18
Methyl Acetate
Concen: 19.55 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion: 43 Resp: 120224
Ion Ratio Lower Upper
43 100
74 24.7 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 18.26 ug/l

RT: 3.20 min Scan# 429

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

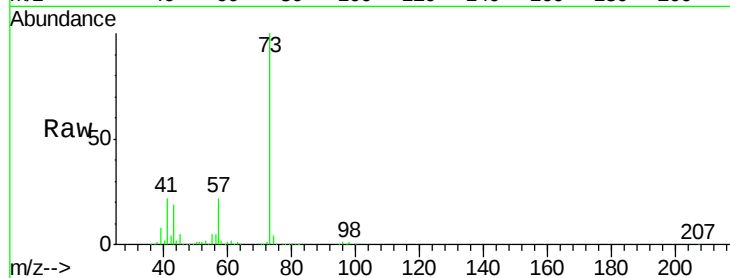
ClientSampled :

Tot Ion: 73 Resp: 221578

Ion Ratio Lower Upper

73 100

57 22.1 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.20

100000

80000

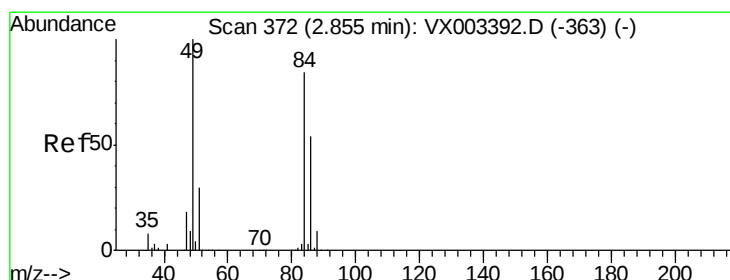
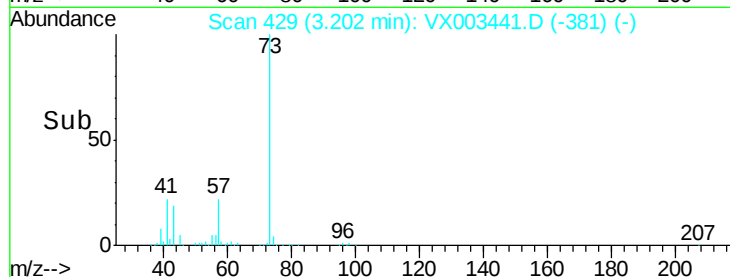
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 21.82 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Tgt Ion: 84 Resp: 76586

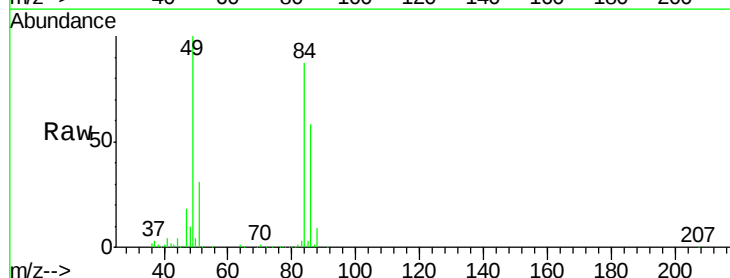
Ion Ratio Lower Upper

84 100

49 115.1 107.8 161.6

51 35.9 32.8 49.2

86 67.3 52.5 78.7



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

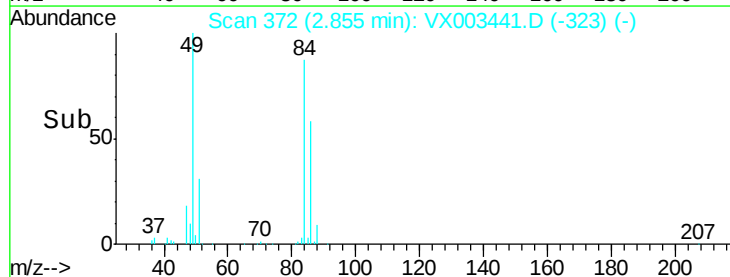
60000

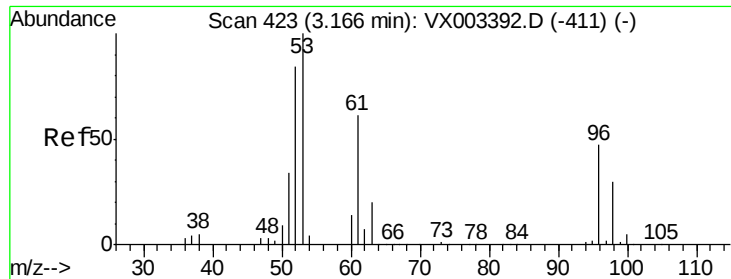
40000

20000

0

Time-->

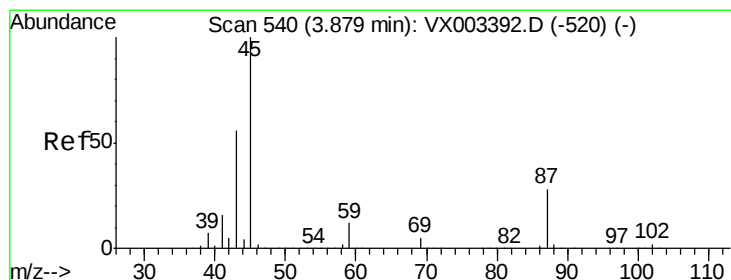
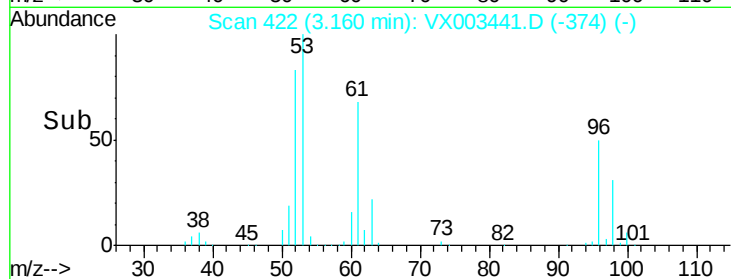
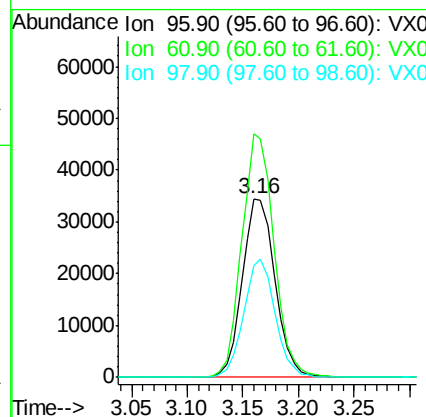
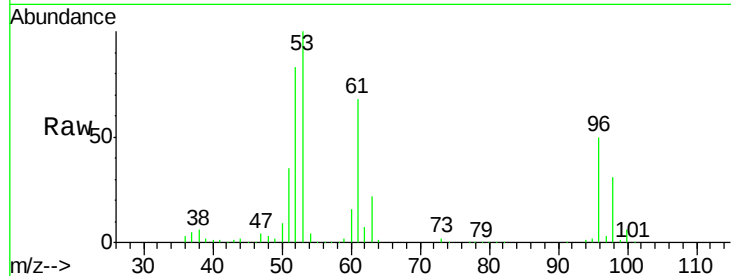




#21
trans-1,2-Dichloroethene
Concen: 17.80 ug/l
RT: 3.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

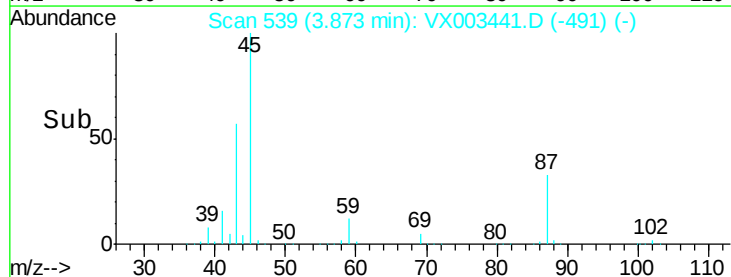
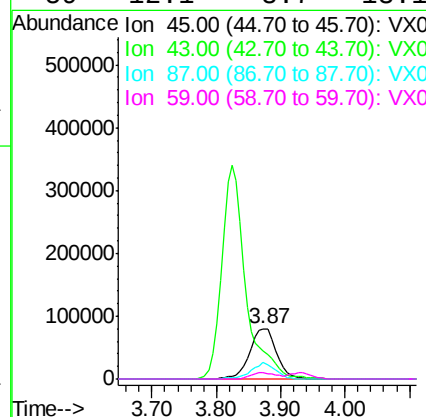
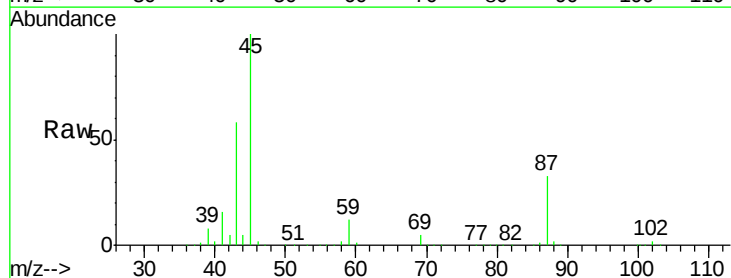
Instrument :
MSVOA_X
ClientSampleId :

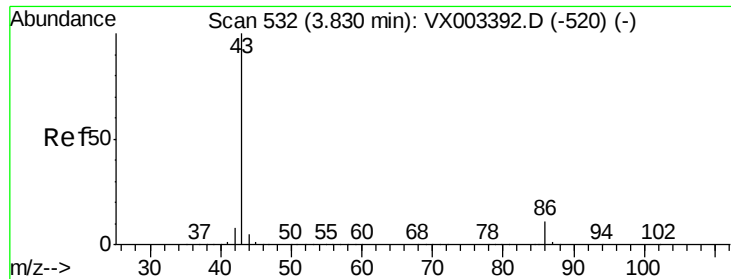
Tot Ion: 96 Resp: 70255
Ion Ratio Lower Upper
96 100
61 136.4 117.0 175.4
98 62.7 52.4 78.6



#22
Diisopropyl ether
Concen: 17.63 ug/l
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion: 45 Resp: 226671
Ion Ratio Lower Upper
45 100
43 57.4 46.8 70.2
87 33.3 20.2 30.4#
59 12.1 8.7 13.1





#23

Vinyl Acetate

Concen: 84.06 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

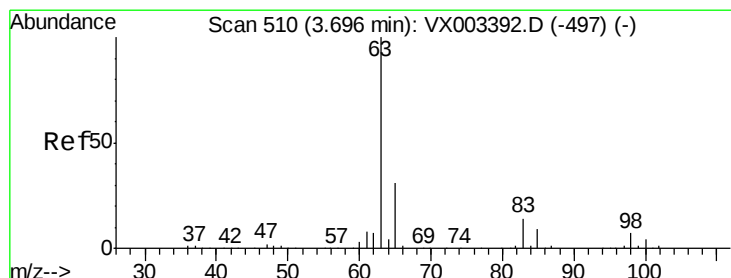
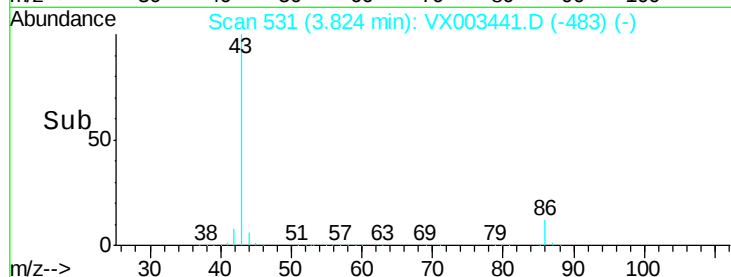
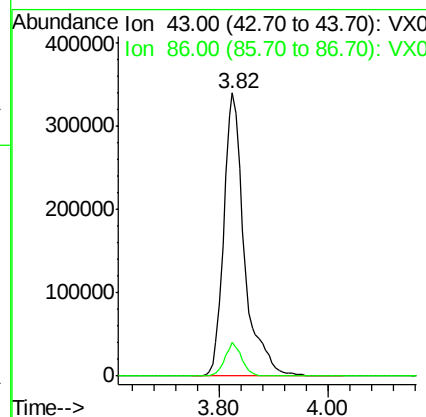
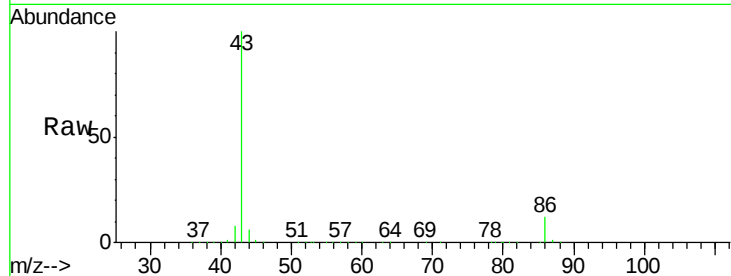
ClientSampleId :

Tot Ion: 43 Resp: 891363

Ion Ratio Lower Upper

43 100

86 12.0 7.4 11.0#



#24

1,1-Dichloroethane

Concen: 18.02 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

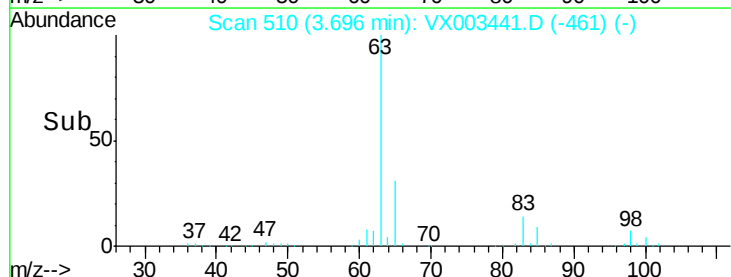
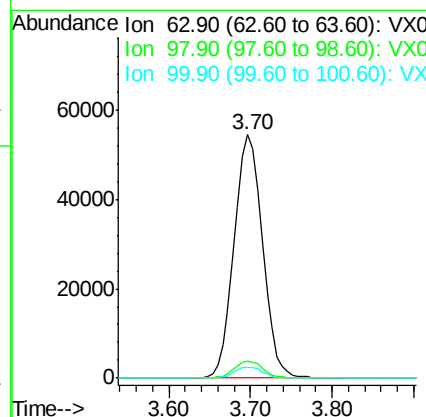
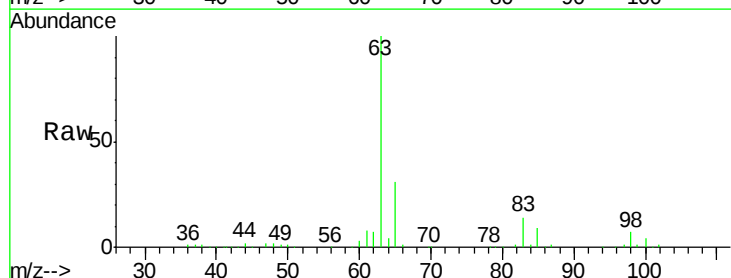
Tgt Ion: 63 Resp: 131418

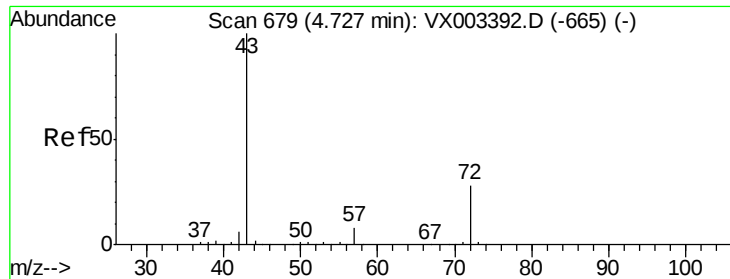
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 84.09 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.02 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

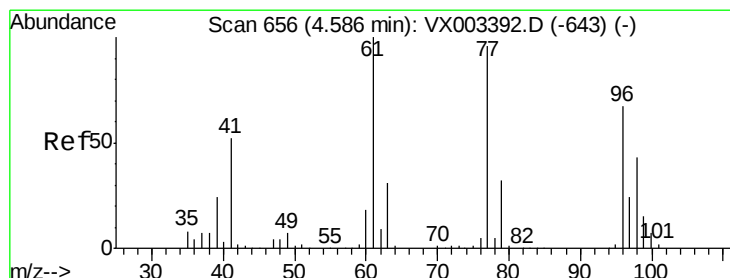
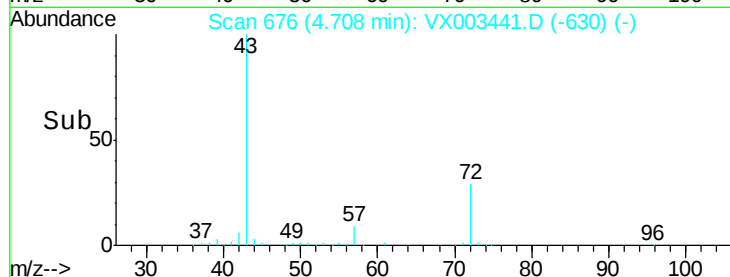
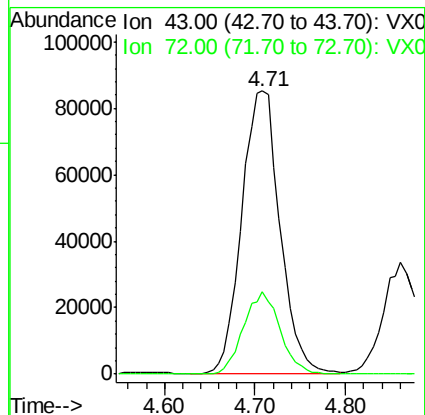
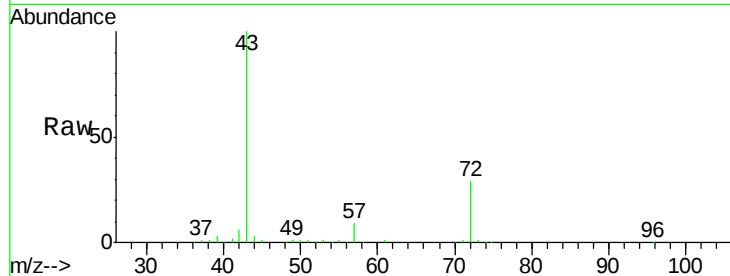
ClientSampleId :

Tot Ion: 43 Resp: 248506

Ion Ratio Lower Upper

43 100

72 29.0 18.5 27.7#



#26

2,2-Dichloropropane

Concen: 19.38 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003441.D

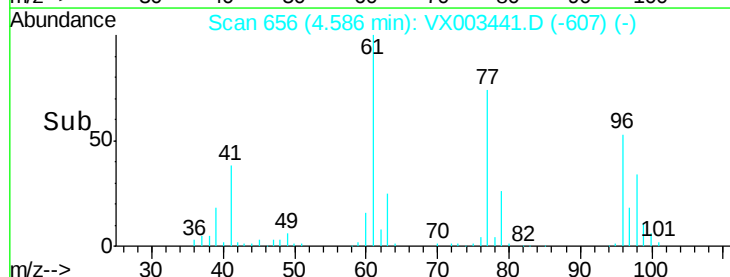
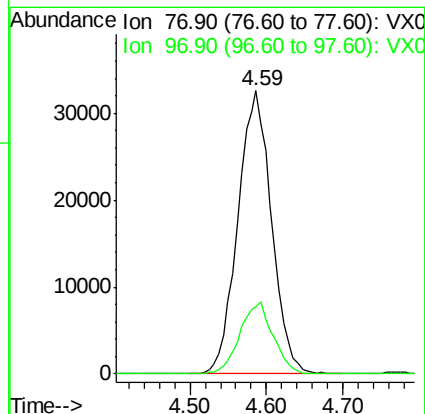
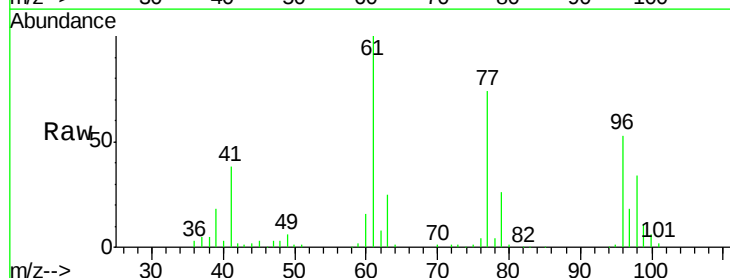
Acq: 18 Jul 2018 12:29

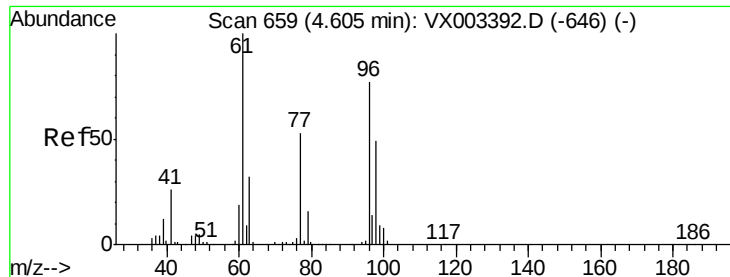
Tgt Ion: 77 Resp: 99250

Ion Ratio Lower Upper

77 100

97 25.1 11.2 33.5



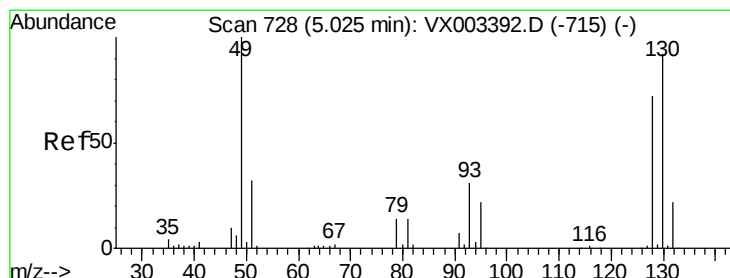
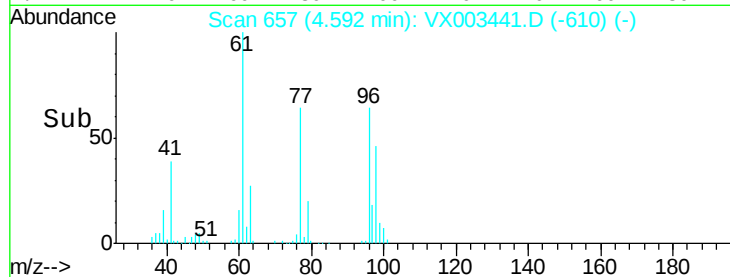
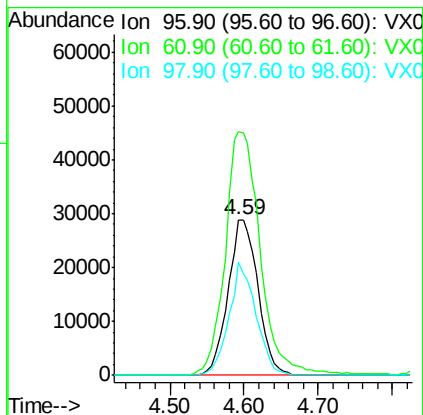
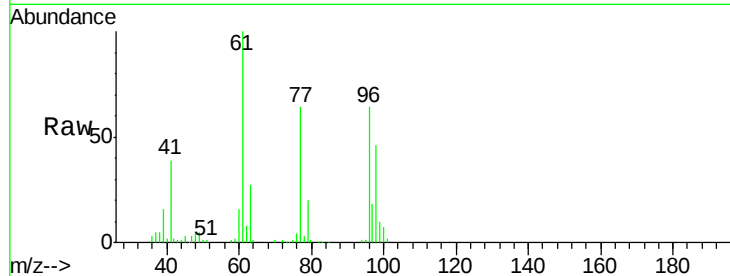


#27

cis-1,2-Dichloroethene
 Concen: 19.14 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Instrument :
 MSVOA_X
 ClientSampleId :

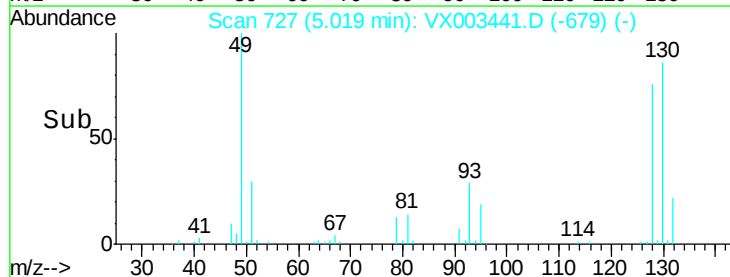
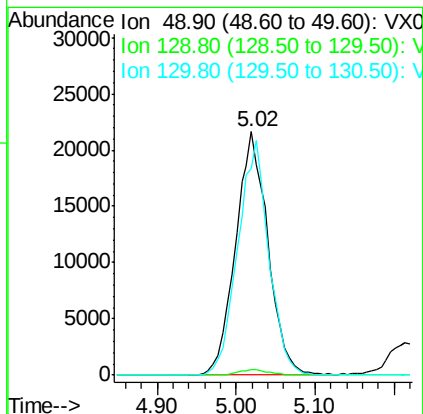
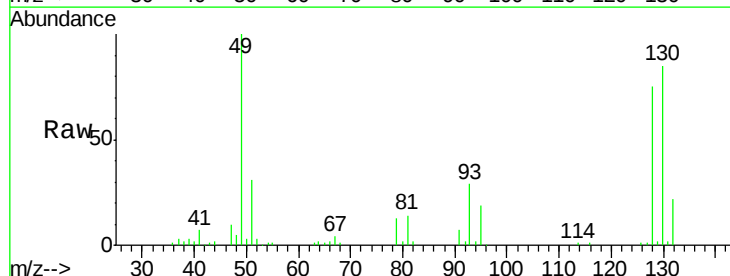
Tot Ion	Ratio	Lower	Upper
96	100		
61	184.3	0.0	330.2
98	65.4	0.0	130.2

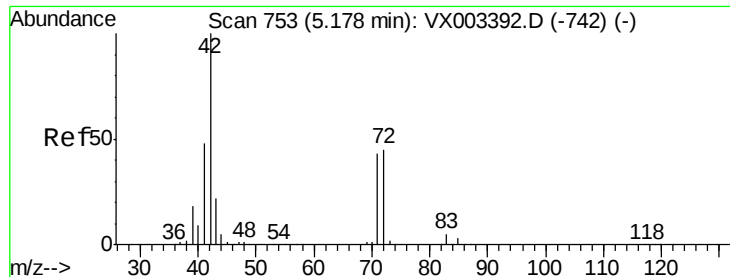


#28

Bromochloromethane
 Concen: 19.43 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	92.2	61.2	91.8#





#29

Tetrahydrofuran

Concen: 85.39 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

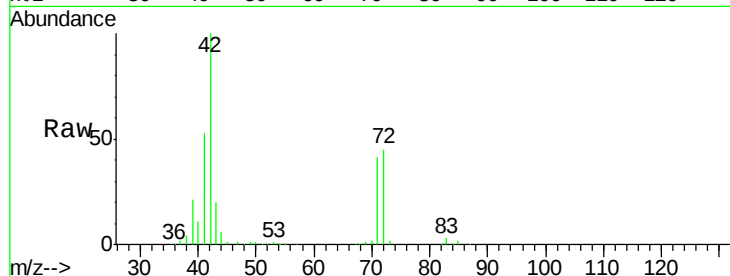
Tot Ion: 42 Resp: 160040

Ion Ratio Lower Upper

42 100

72 46.0 32.0 48.0

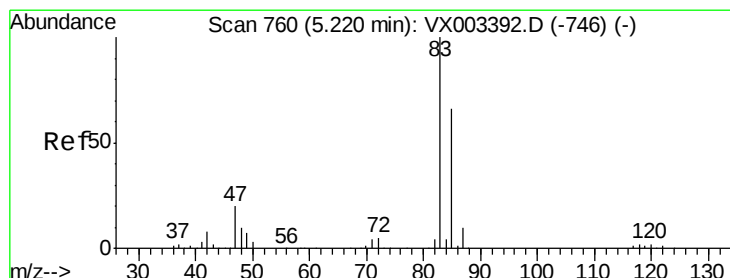
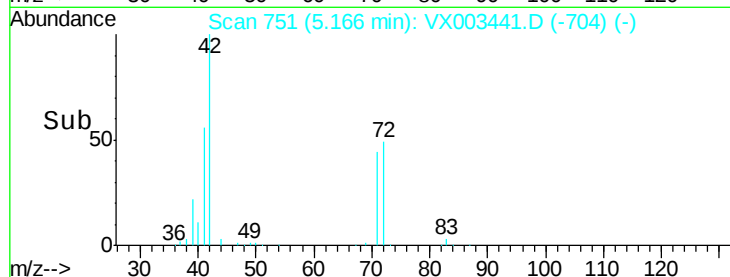
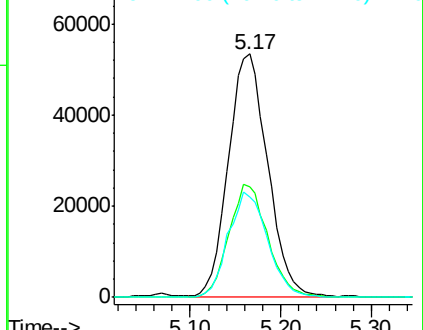
71 43.4 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 19.22 ug/l

RT: 5.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX003441.D

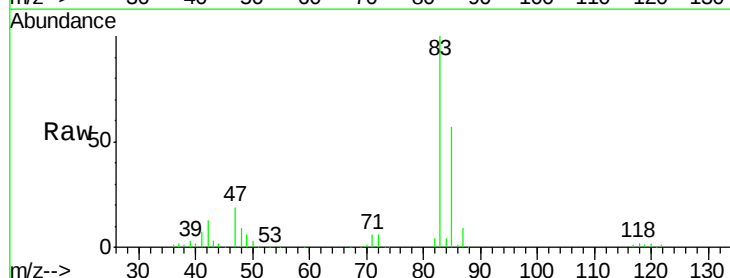
Acq: 18 Jul 2018 12:29

Tgt Ion: 83 Resp: 129167

Ion Ratio Lower Upper

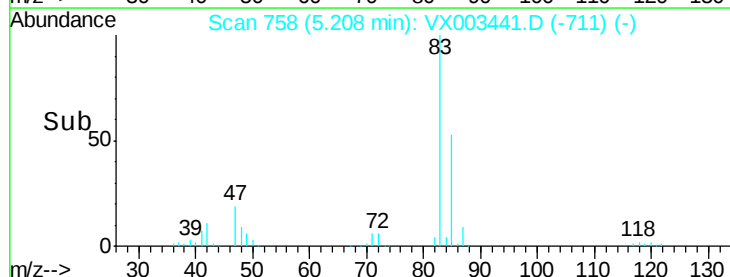
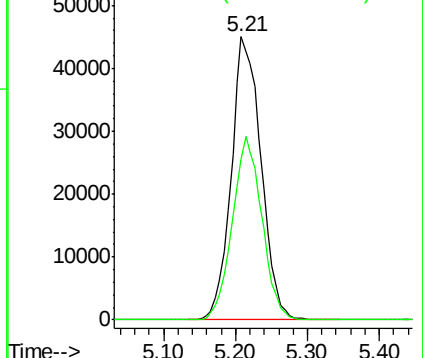
83 100

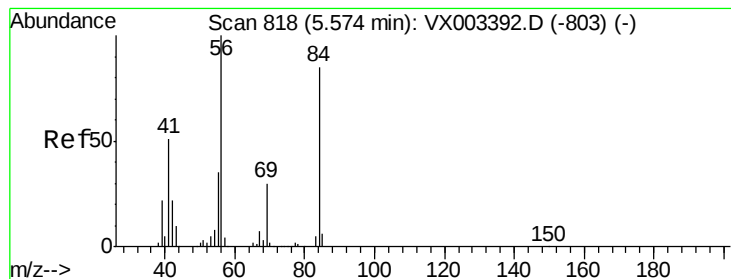
85 56.6 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 19.35 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

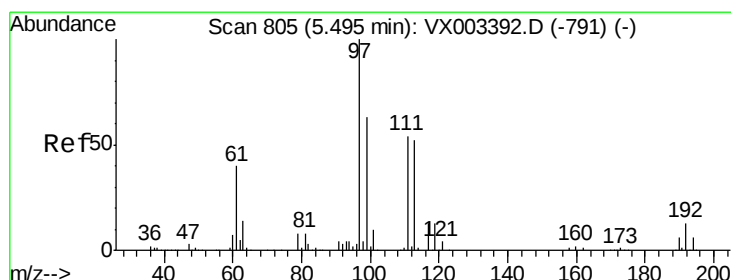
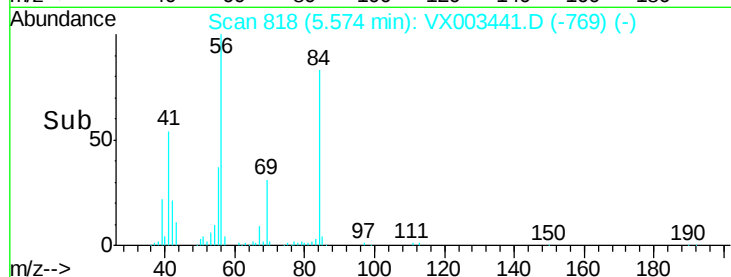
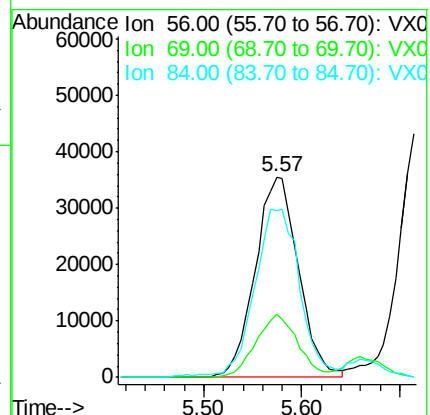
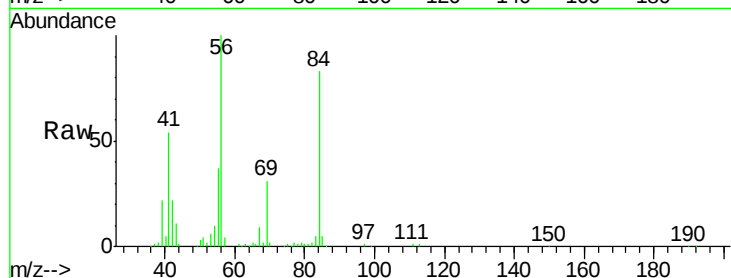
Tot Ion: 56 Resp: 108999

Ion Ratio Lower Upper

56 100

69 31.4 23.7 35.5

84 82.3 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 18.71 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

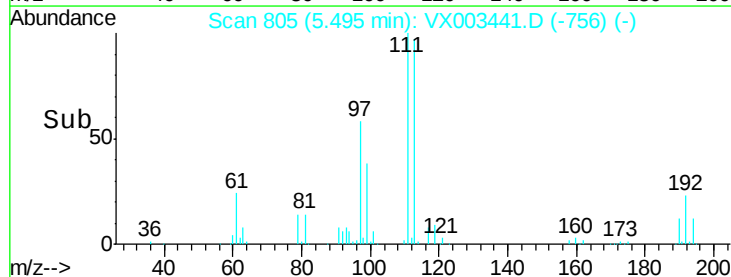
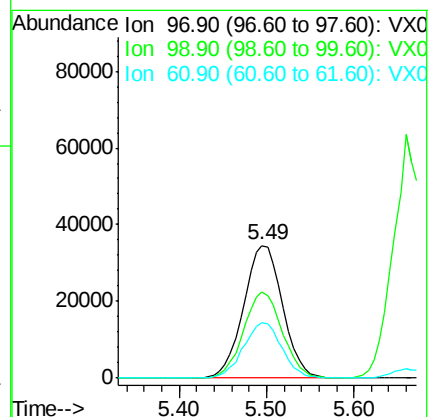
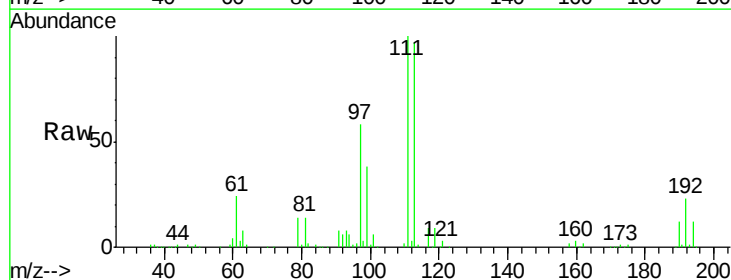
Tgt Ion: 97 Resp: 106963

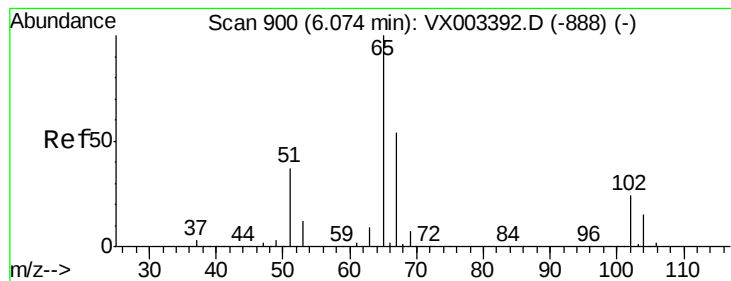
Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 41.4 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 44.22 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

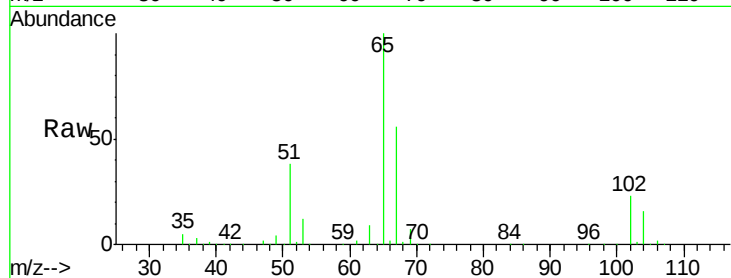
ClientSampleId :

Tot Ion: 65 Resp: 200778

Ion Ratio Lower Upper

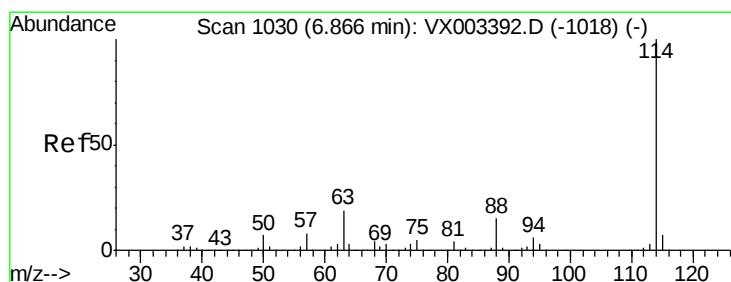
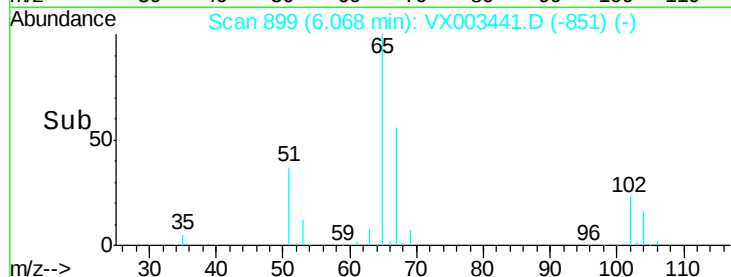
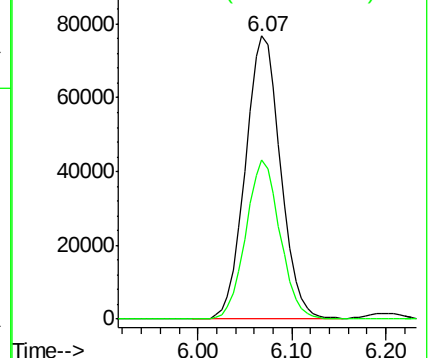
65 100

67 54.7 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

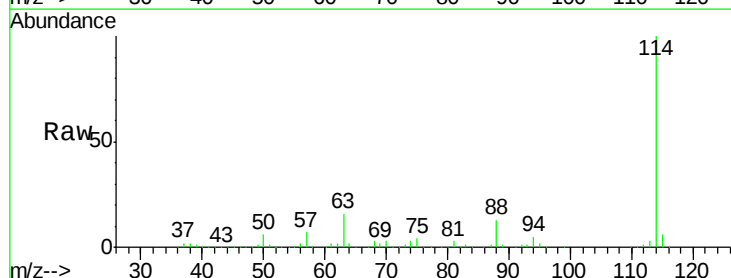
Tgt Ion: 114 Resp: 484825

Ion Ratio Lower Upper

114 100

63 16.3 0.0 41.4

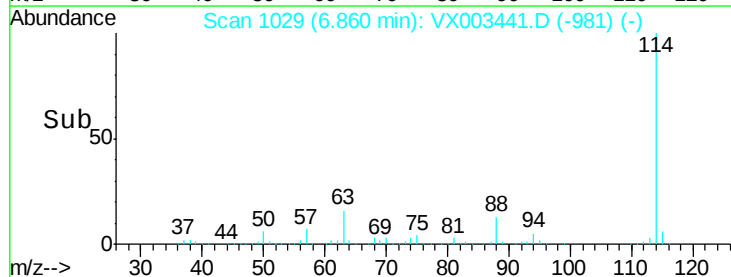
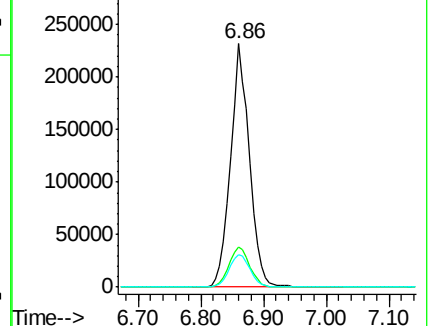
88 13.3 0.0 30.0

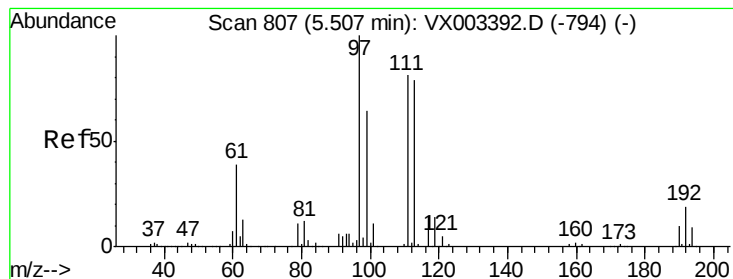


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.09 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

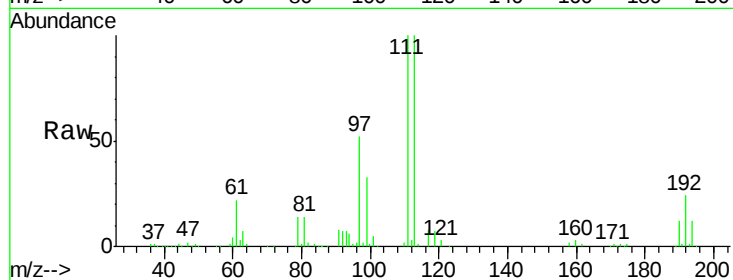
Tot Ion:113 Resp: 184723

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

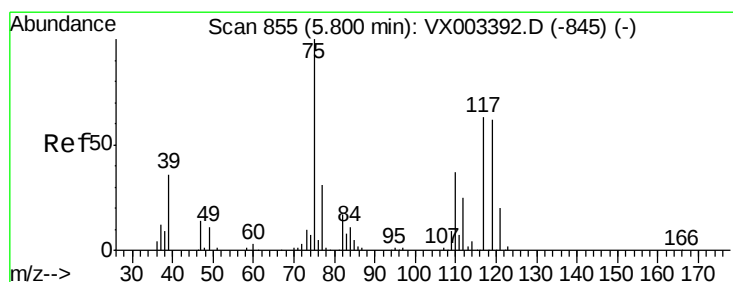
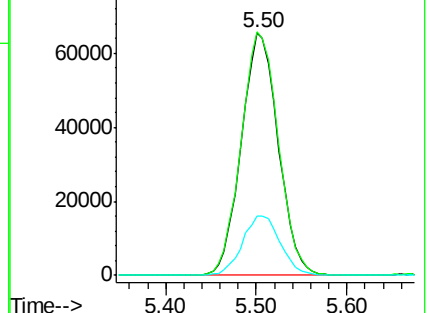
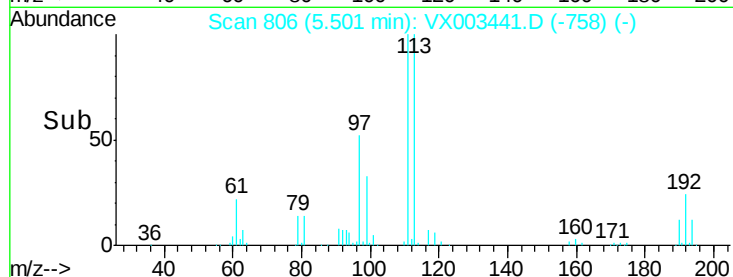
192 25.1 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.92 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

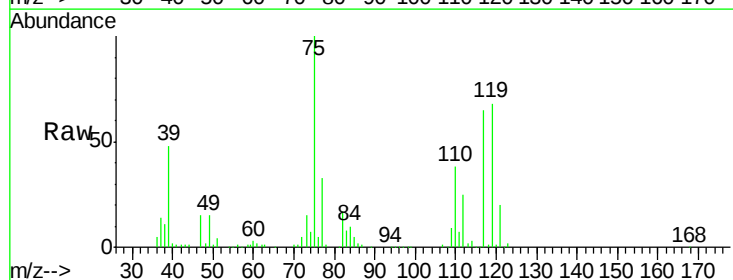
Tgt Ion: 75 Resp: 92867

Ion Ratio Lower Upper

75 100

110 38.5 18.1 54.4

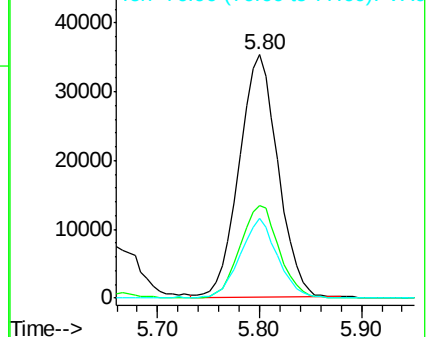
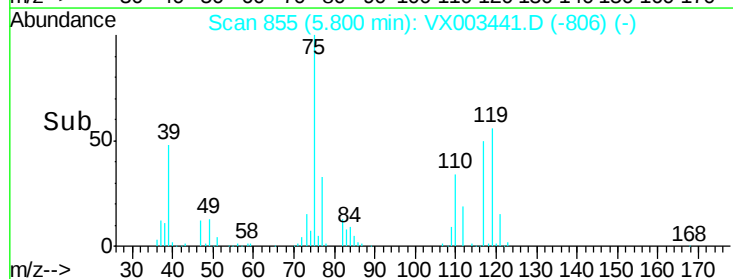
77 31.8 24.3 36.5

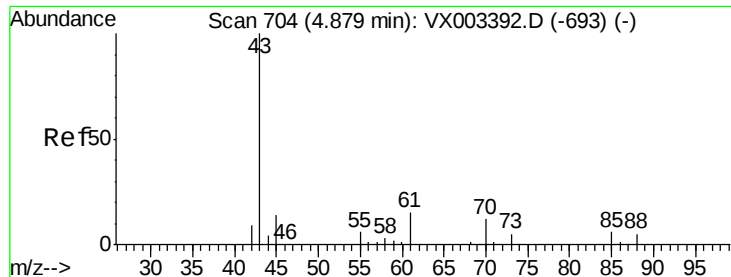


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

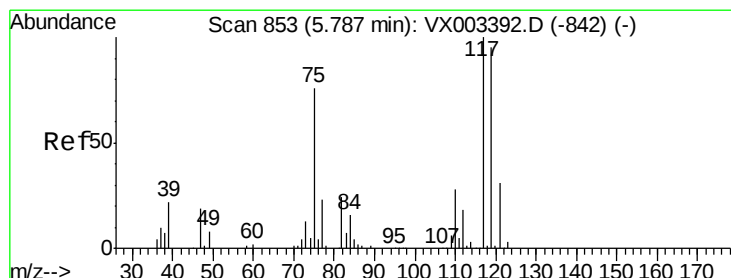
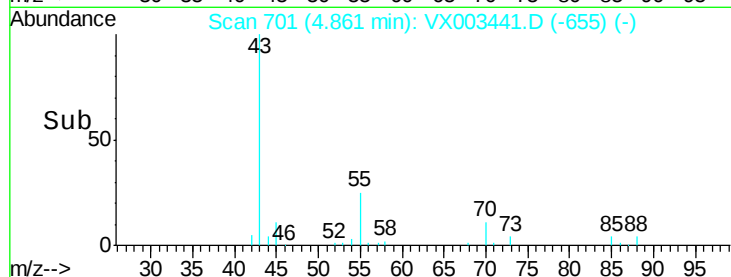
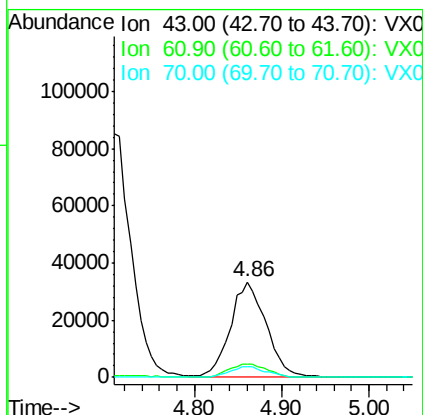
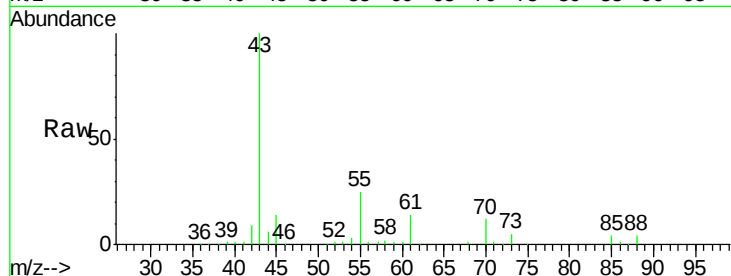




#37
Ethyl Acetate
Concen: 17.04 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.02 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

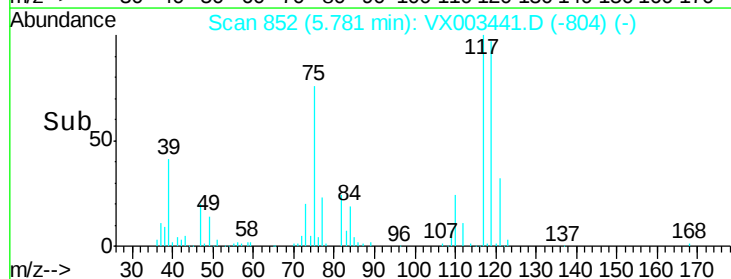
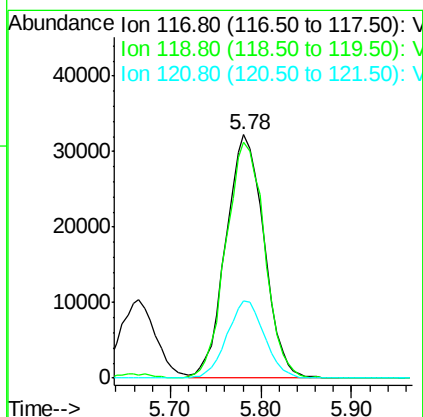
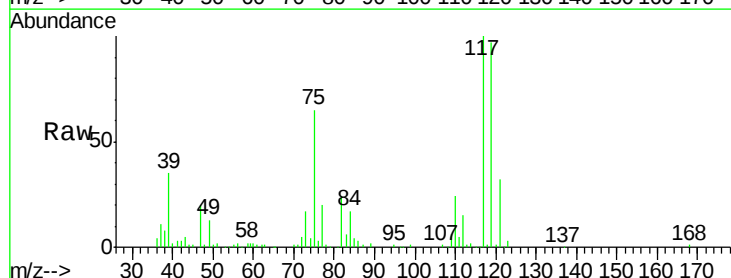
Instrument :
MSVOA_X
ClientSampleID :

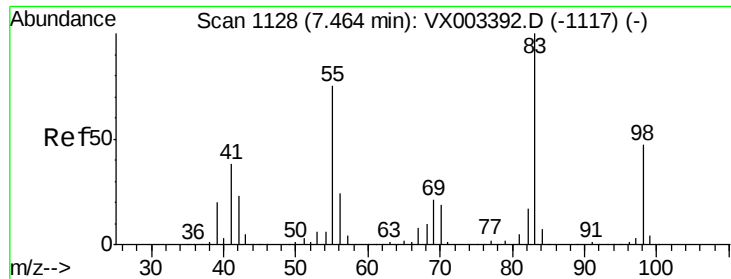
Tot Ion: 43 Resp: 94287
Ion Ratio Lower Upper
43 100
61 14.9 10.4 15.6
70 11.9 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 18.85 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion: 117 Resp: 94174
Ion Ratio Lower Upper
117 100
119 97.0 77.4 116.0
121 31.6 24.4 36.6

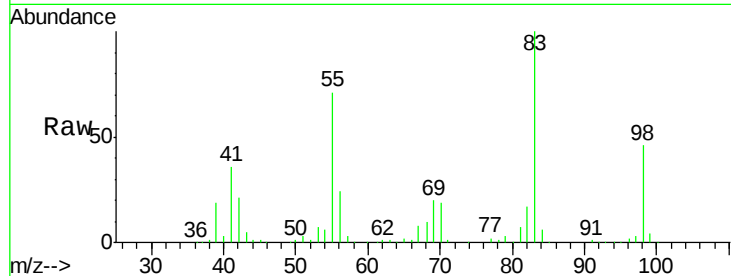




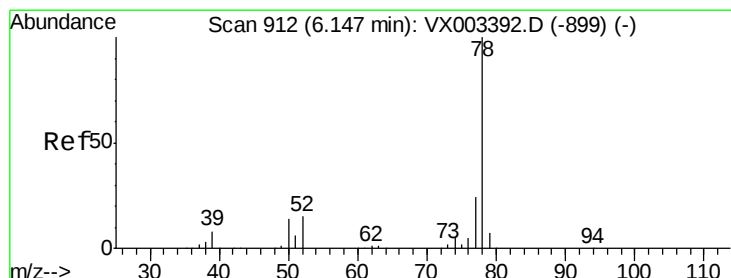
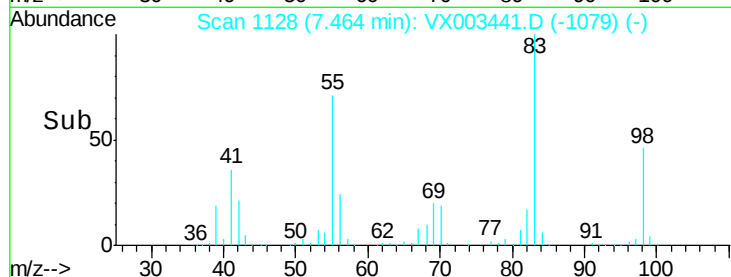
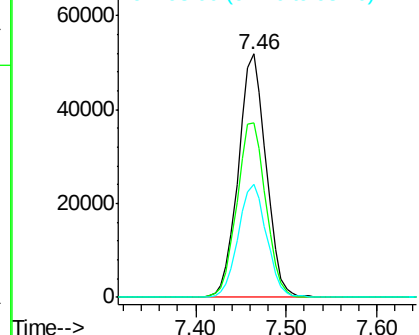
#39
Methvlcvclohexane
Concen: 19.58 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 110059
Ion Ratio Lower Upper
83 100
55 71.5 65.4 98.0
98 46.3 37.4 56.0

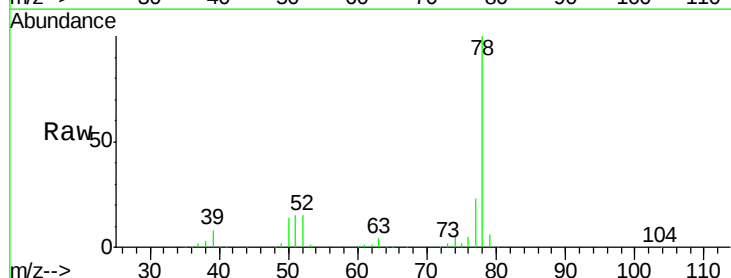


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

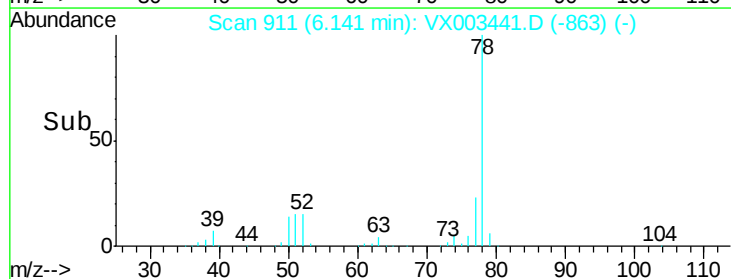
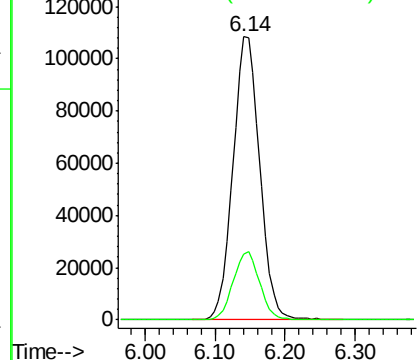


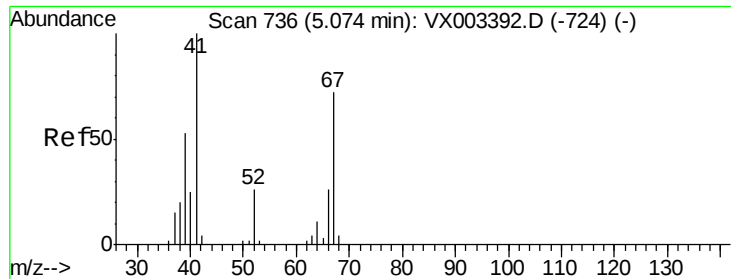
#40
Benzene
Concen: 19.29 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion: 78 Resp: 288099
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7



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

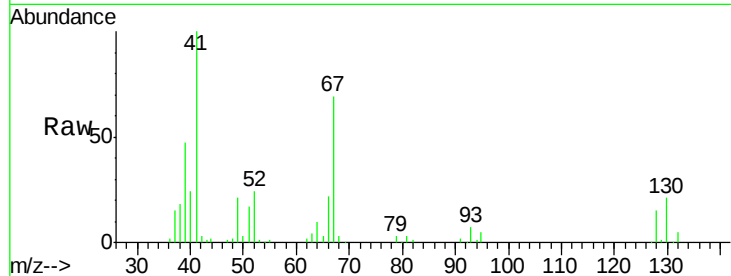




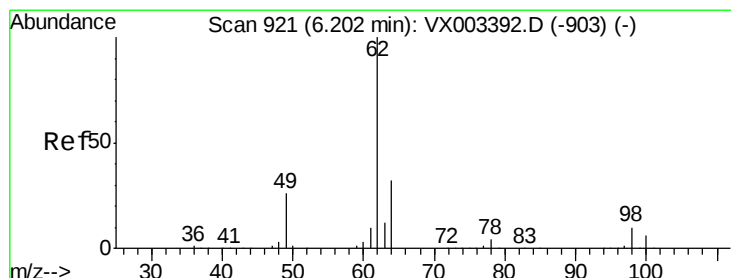
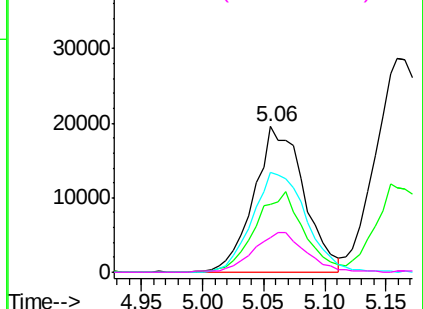
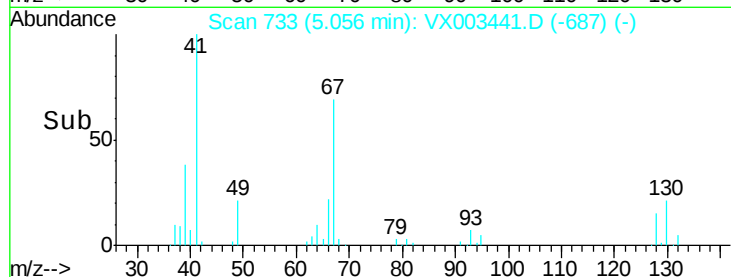
#41
Methacrylonitrile
Concen: 18.16 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.02 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	55253
Ion	Ratio	Lower	Upper
41	100		
39	54.3	45.8	68.6
67	74.6	51.3	76.9
52	29.2	23.0	34.6

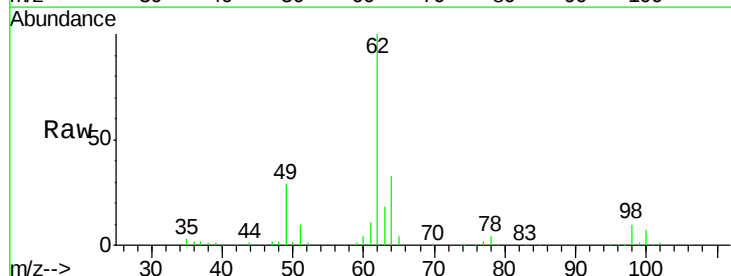


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

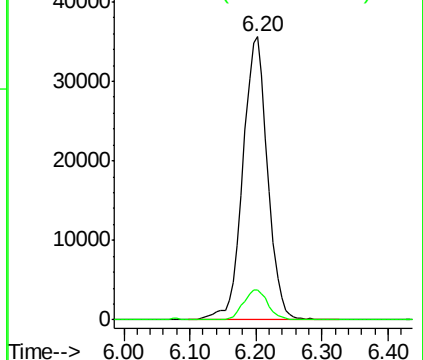
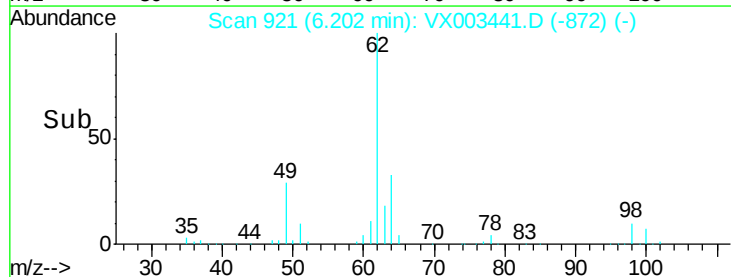


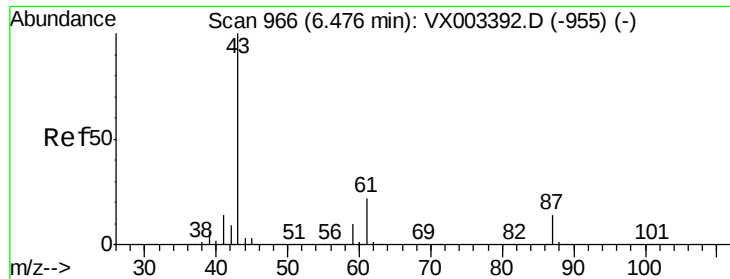
#42
1,2-Dichloroethane
Concen: 18.10 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion:	62	Resp:	92735
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	16.6



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



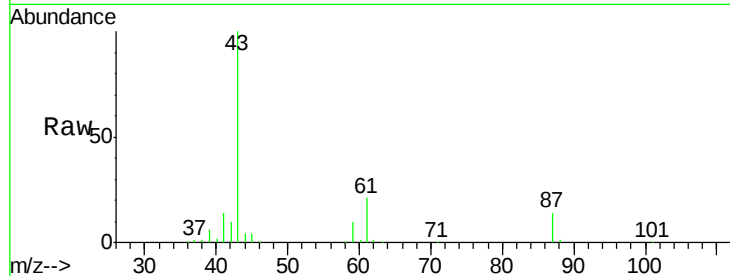


#43

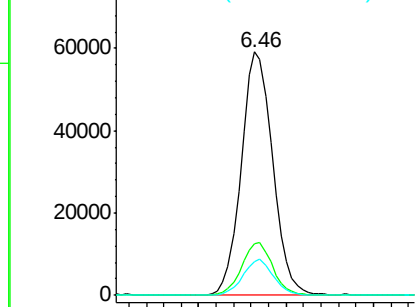
Isopropyl Acetate
 Concen: 17.65 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Instrument :
 MSVOA_X
 ClientSampleId :

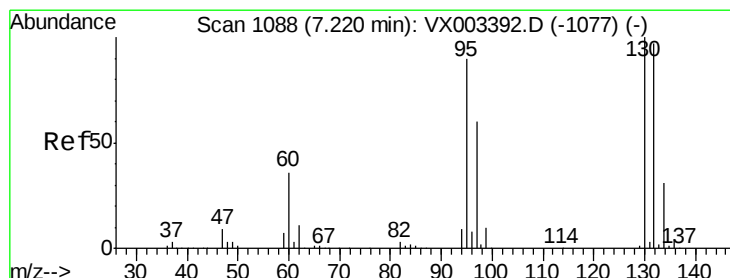
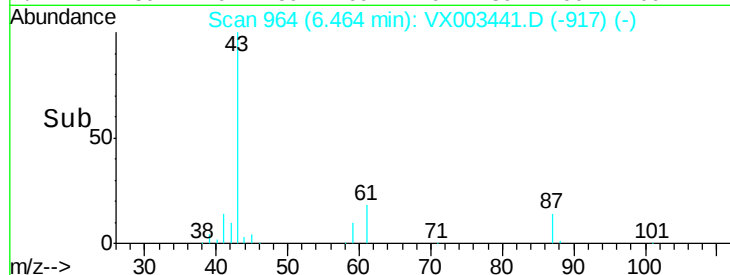
Tot Ion	43	Resp	147408
Ion Ratio	Lower	Upper	
43	100		
61	21.5	14.4	21.6
87	14.3	9.5	14.3#



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



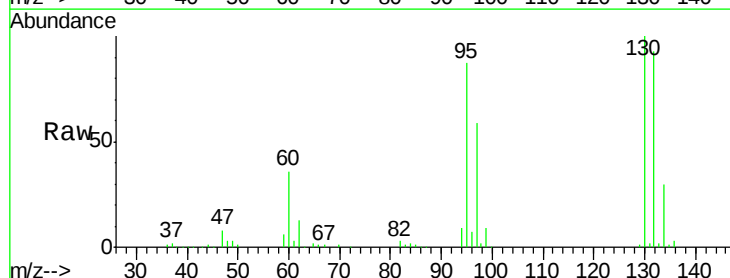
Time-->



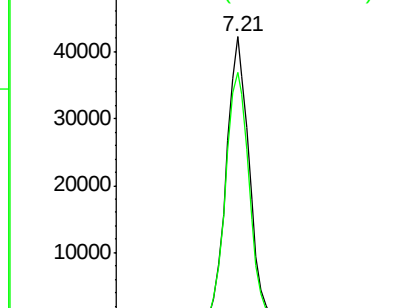
#44

Trichloroethene
 Concen: 19.93 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

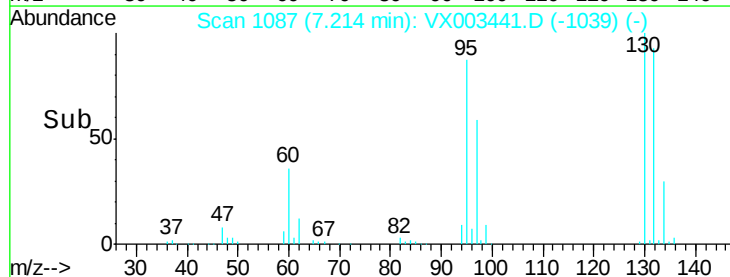
Tgt Ion	130	Resp	86263
Ion Ratio	Lower	Upper	
130	100		
95	87.3	0.0	185.4

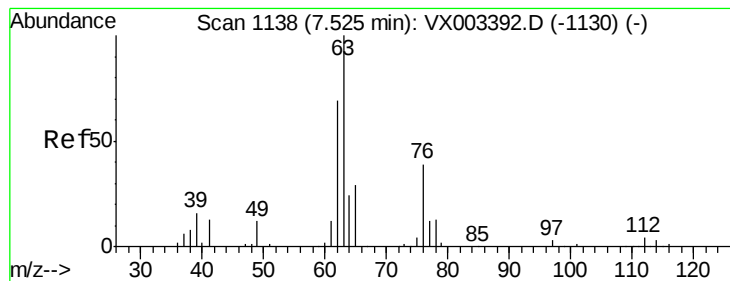


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0



Time-->





#45

1,2-Dichloropropane

Concen: 19.35 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

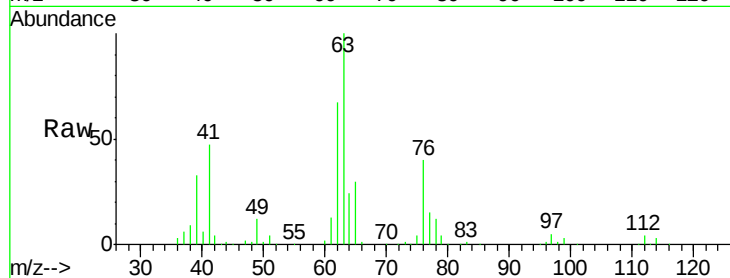
ClientSampleId :

Tot Ion: 63 Resp: 75181

Ion Ratio Lower Upper

63 100

65 29.8 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

40000

30000

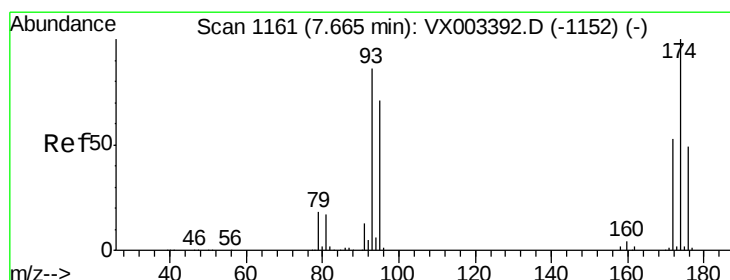
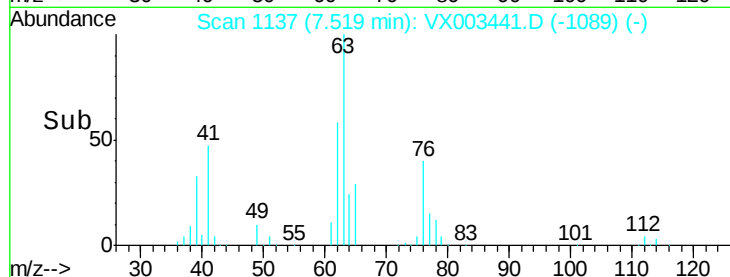
20000

10000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 18.82 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

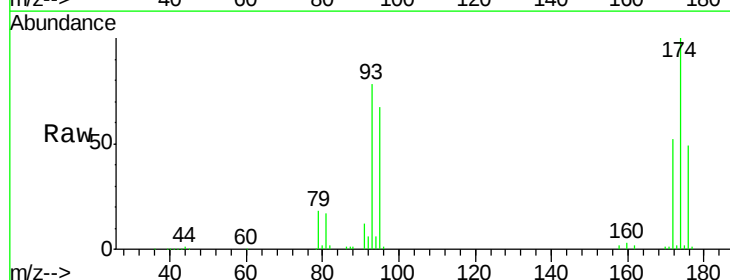
Tgt Ion: 93 Resp: 48684

Ion Ratio Lower Upper

93 100

95 83.6 65.9 98.9

174 126.0 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

40000

30000

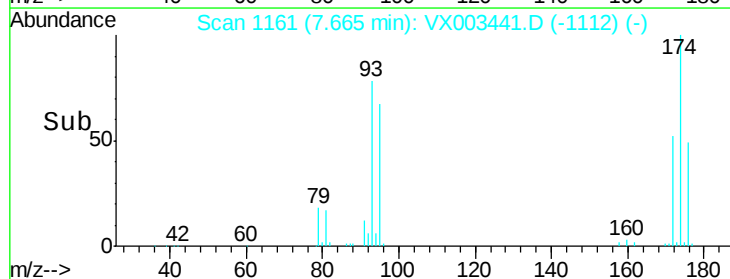
20000

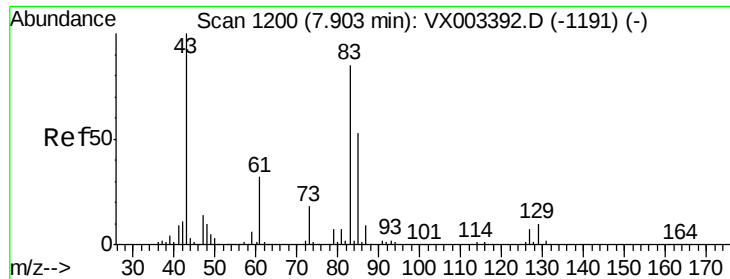
10000

0

Time-->

7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 18.58 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :

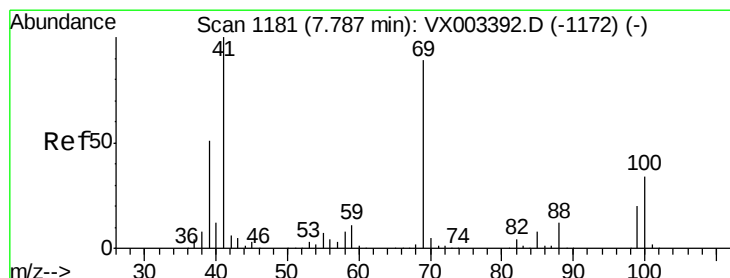
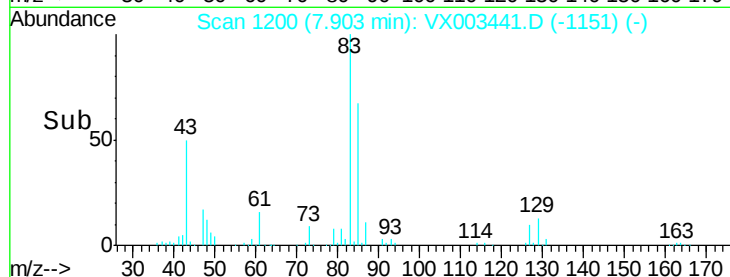
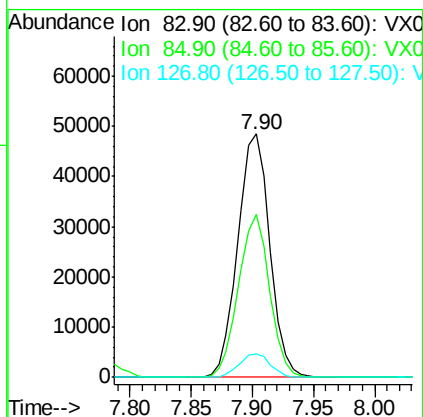
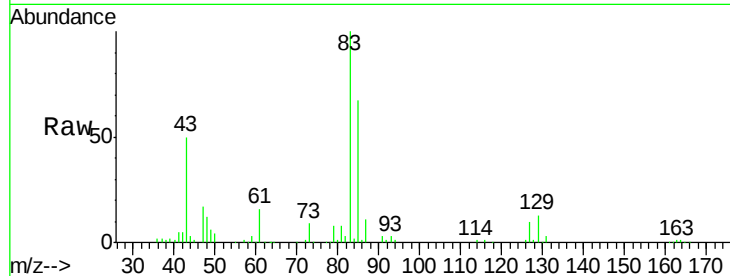
Tot Ion: 83 Resp: 88025

Ion Ratio Lower Upper

83 100

85 66.7 50.3 75.5

127 9.7 7.0 10.4



#48

Methyl methacrylate

Concen: 18.00 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

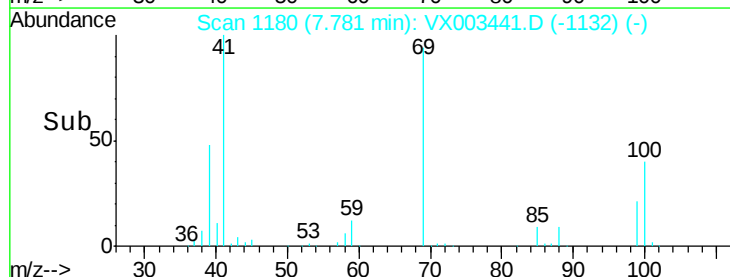
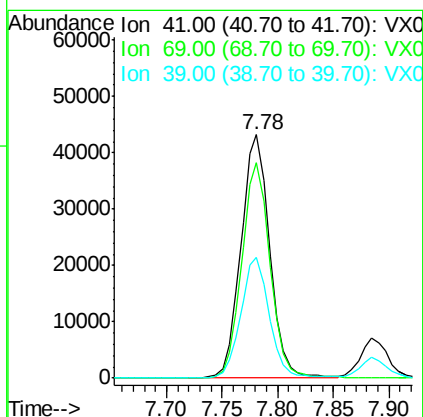
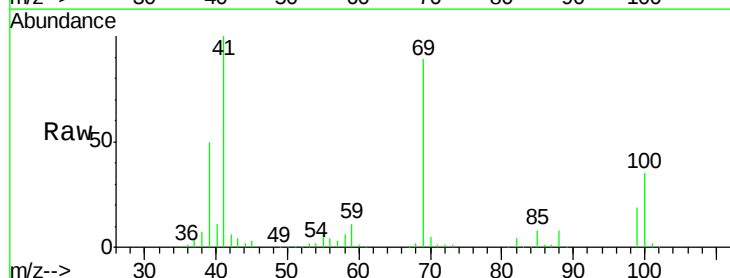
Tgt Ion: 41 Resp: 76665

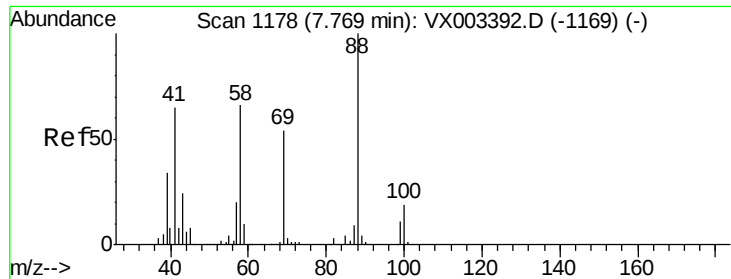
Ion Ratio Lower Upper

41 100

69 88.3 59.1 88.7

39 48.9 48.9 73.3#

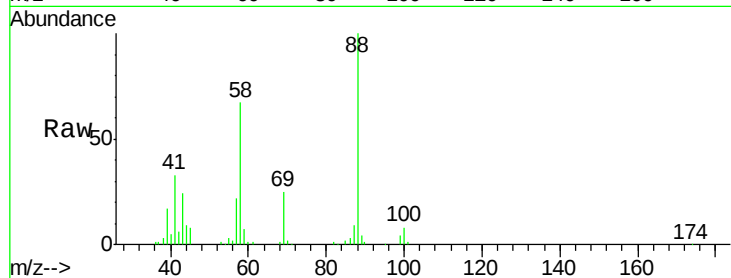




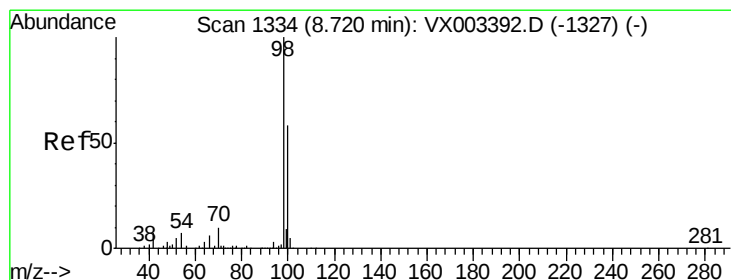
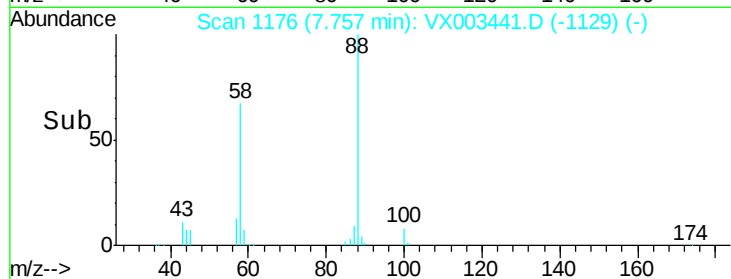
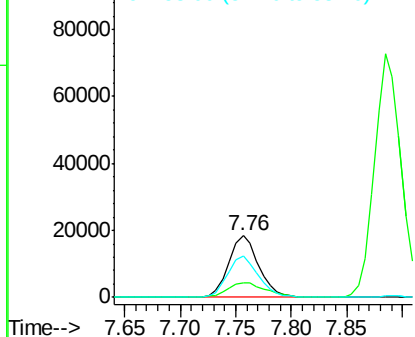
#49
1,4-Dioxane
Concen: 353.39 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 34468
Ion Ratio Lower Upper
88 100
43 30.8 29.8 44.6
58 70.0 57.1 85.7

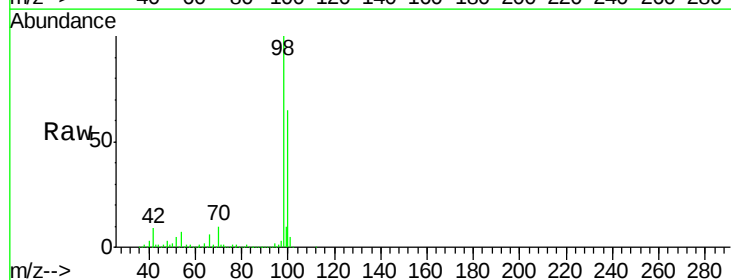


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

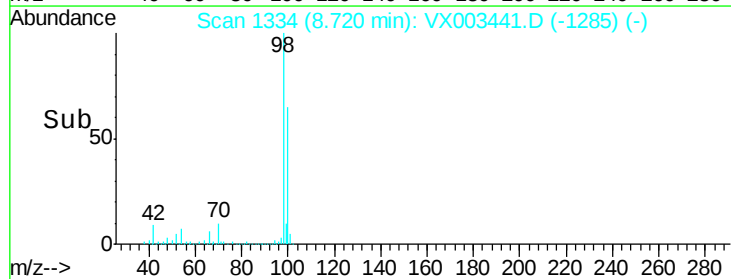
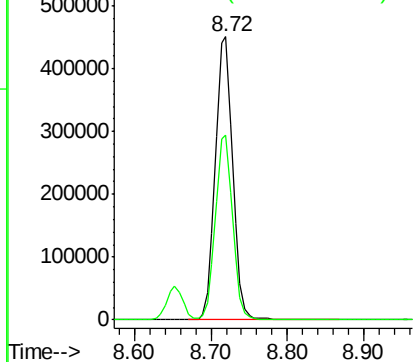


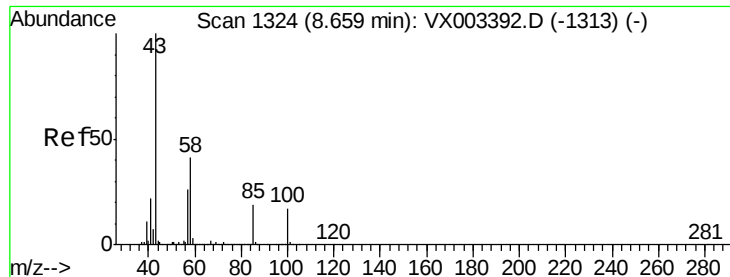
#50
Toluene-d8
Concen: 48.90 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion: 98 Resp: 707835
Ion Ratio Lower Upper
98 100
100 65.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 88.01 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

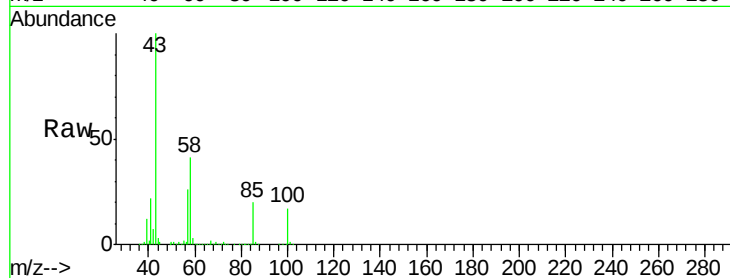
ClientSampleId :

Tot Ion: 43 Resp: 483733

Ion Ratio Lower Upper

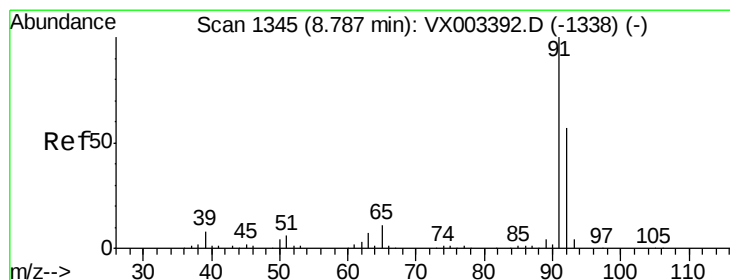
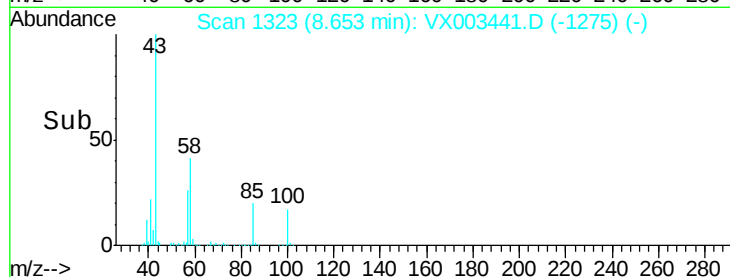
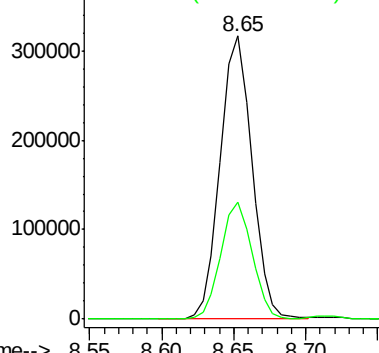
43 100

58 41.0 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: 19.89 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003441.D

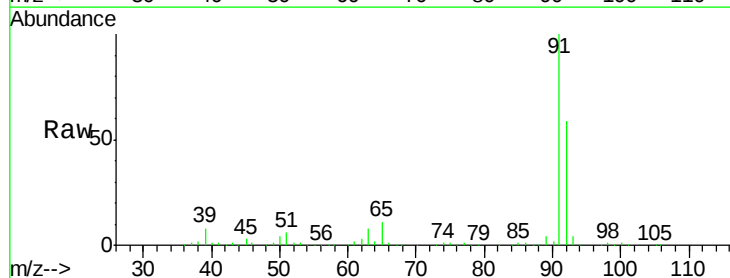
Acq: 18 Jul 2018 12:29

Tgt Ion: 92 Resp: 186020

Ion Ratio Lower Upper

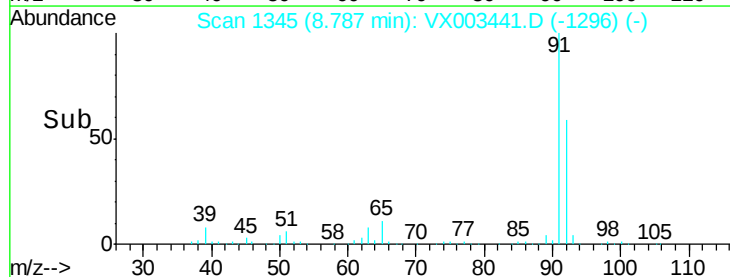
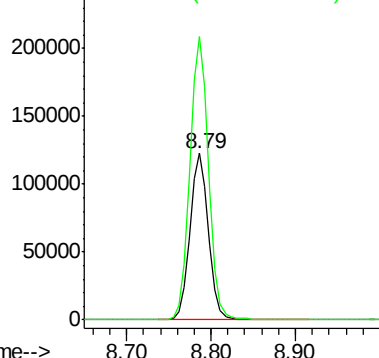
92 100

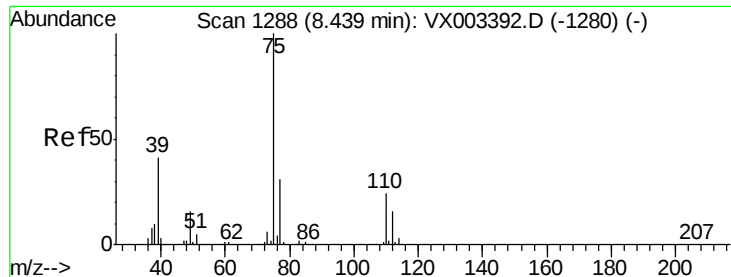
91 171.7 140.4 210.6



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: 19.80 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

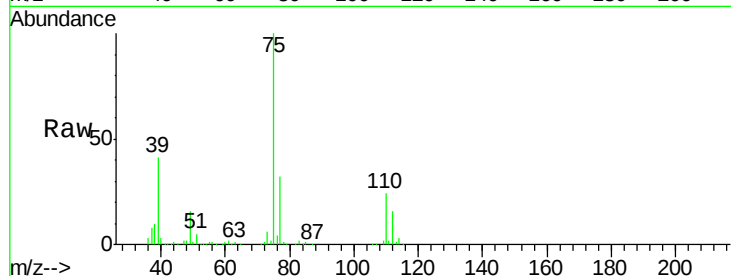
ClientSampleId :

Tot Ion: 75 Resp: 110748

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

80000

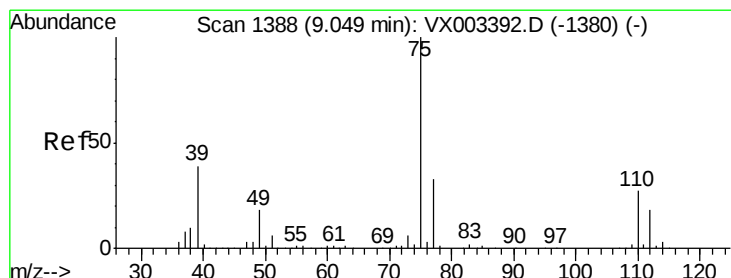
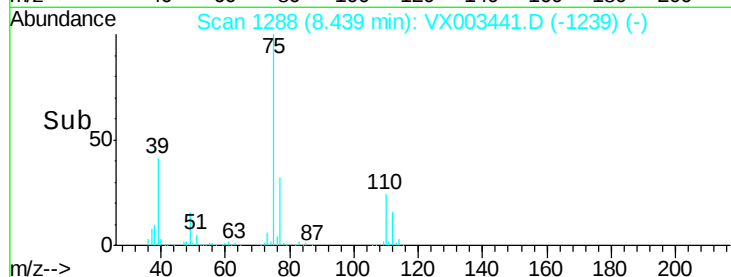
60000

40000

20000

0

Time--> 8.35 8.40 8.45 8.50 8.55



#54

cis-1,3-Dichloropropene

Concen: 19.20 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

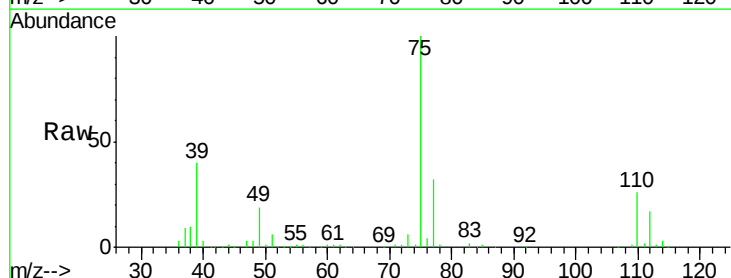
Tgt Ion: 75 Resp: 98028

Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

39 40.2 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

9.04

80000

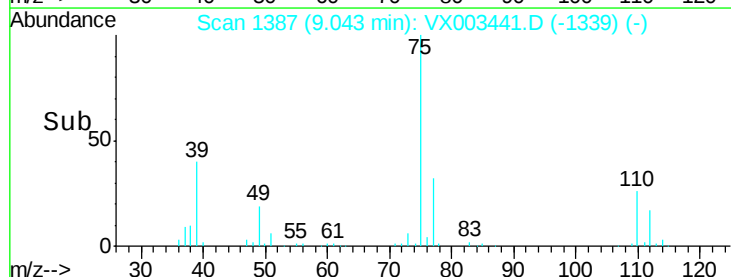
60000

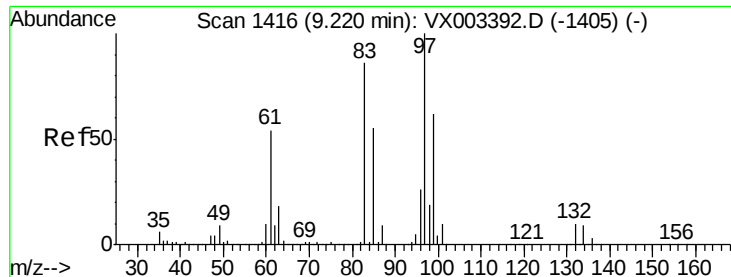
40000

20000

0

Time--> 8.95 9.00 9.05 9.10

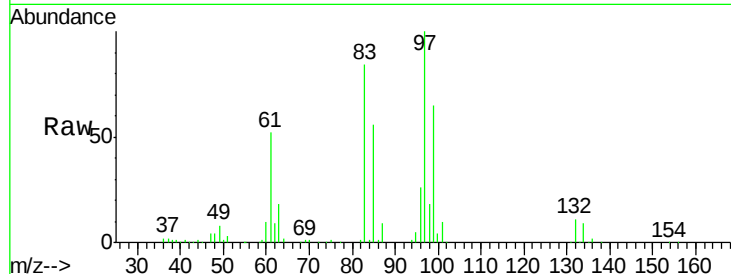




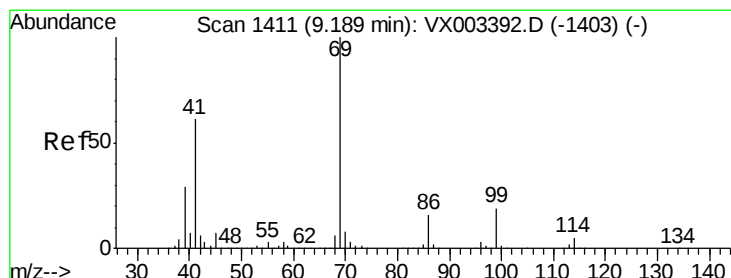
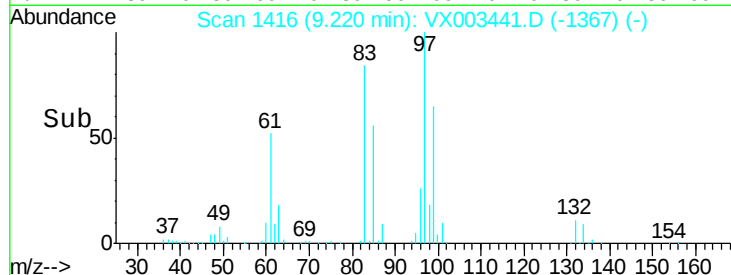
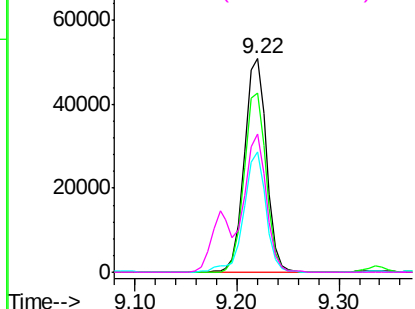
#55
 1,1,2-Trichloroethane
 Concen: 19.55 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 97 Resp: 76403
 Ion Ratio Lower Upper
 97 100
 83 84.2 70.2 105.2
 85 56.1 44.9 67.3
 99 64.7 49.8 74.8

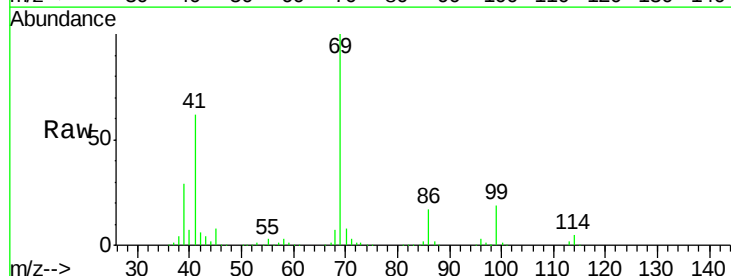


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

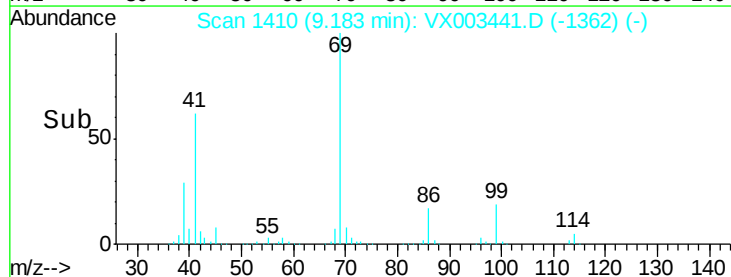
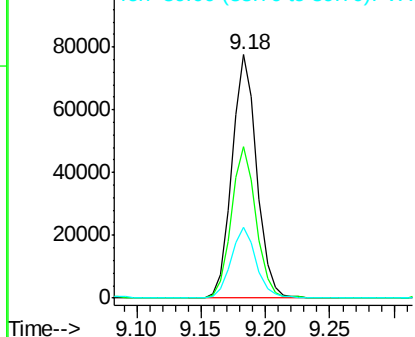


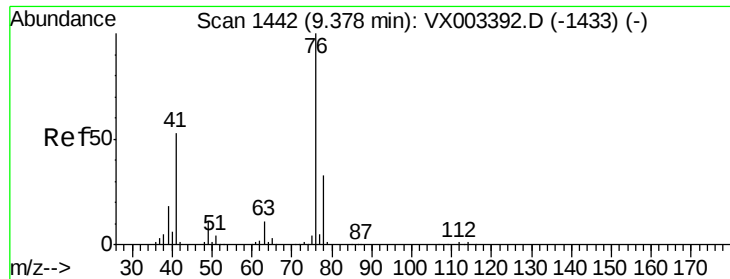
#56
 Ethyl methacrylate
 Concen: 18.92 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Tgt Ion: 69 Resp: 104665
 Ion Ratio Lower Upper
 69 100
 41 61.7 60.3 90.5
 39 29.6 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

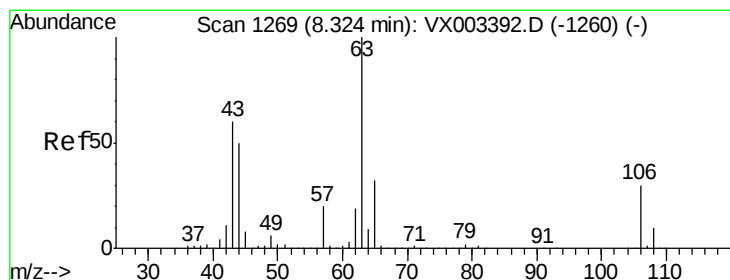
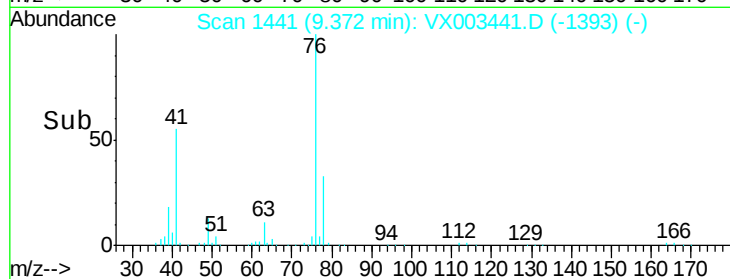
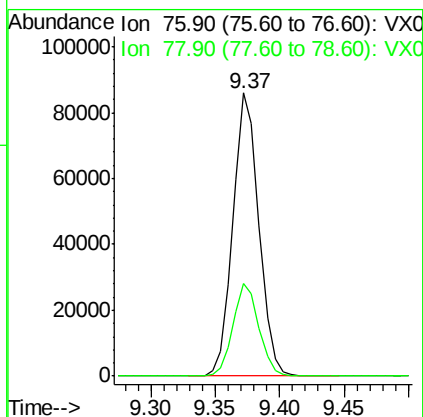
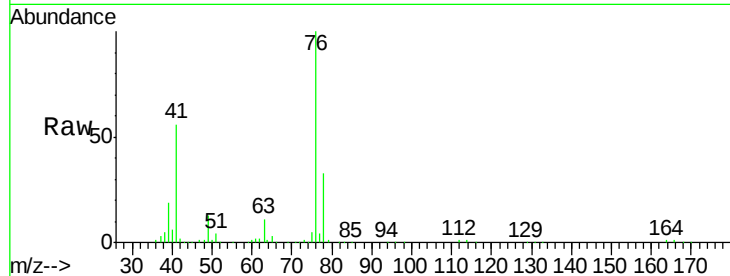




#57
 1,3-Dichloropropane
 Concen: 19.30 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

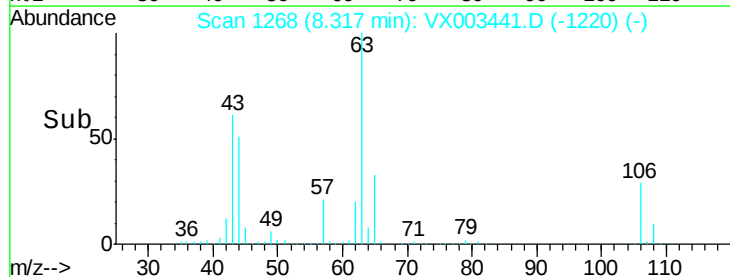
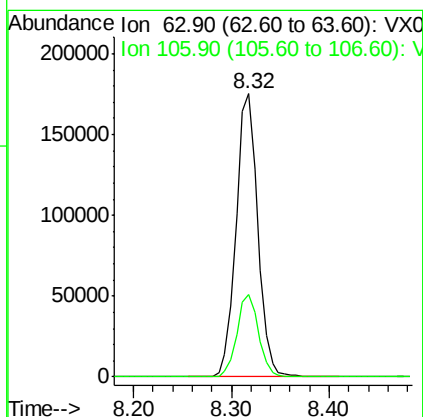
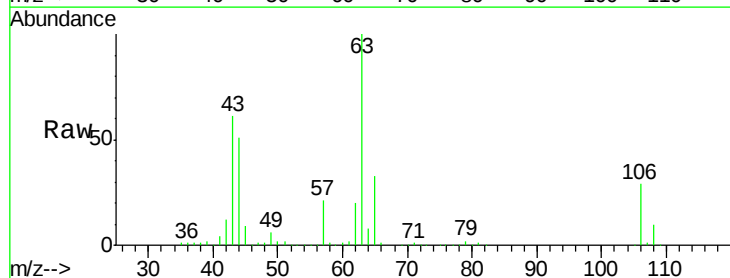
Instrument :
 MSVOA_X
 ClientSampleId :

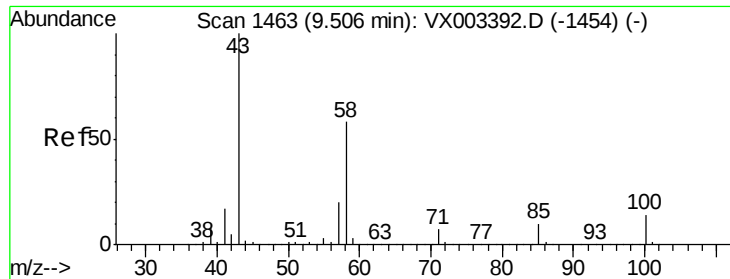
Tot Ion: 76 Resp: 121189
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.30 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Tgt Ion: 63 Resp: 269941
 Ion Ratio Lower Upper
 63 100
 106 29.2 21.8 32.8

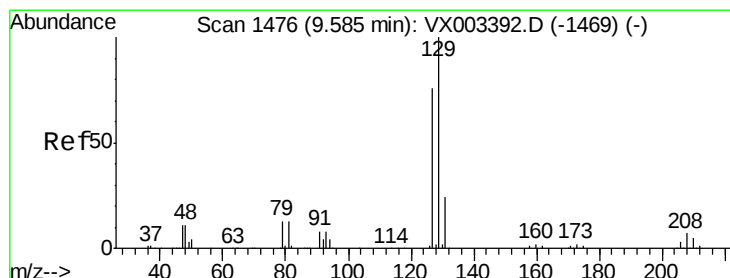
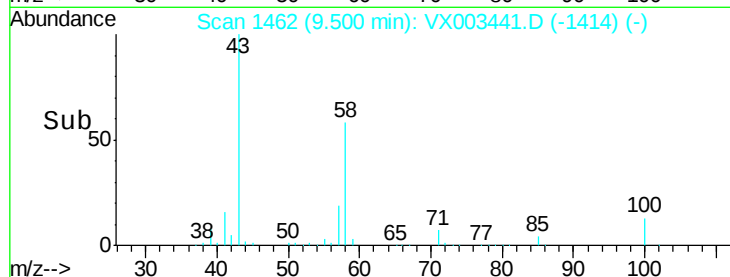
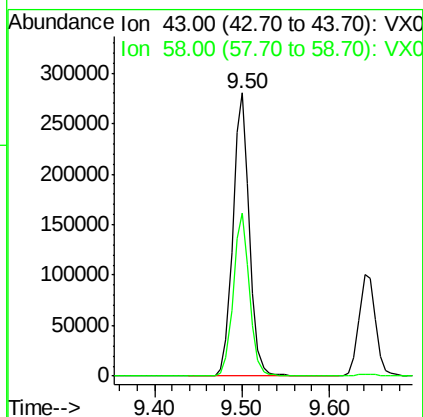
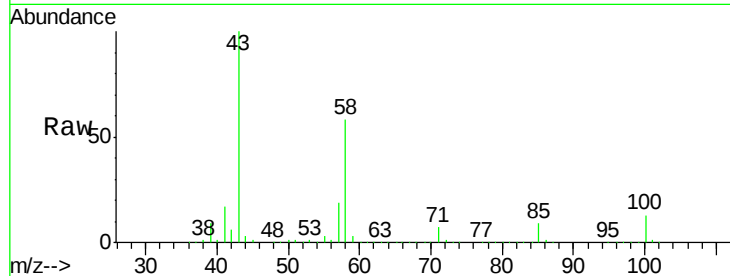




#59
2-Hexanone
Concen: 87.42 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

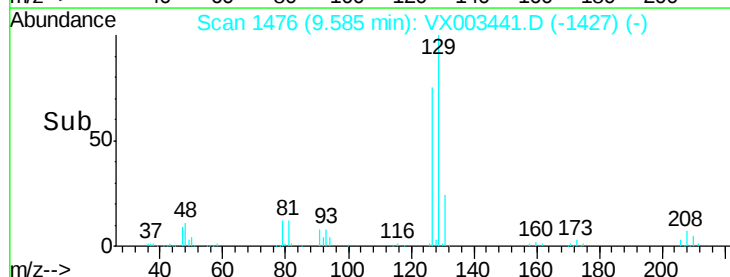
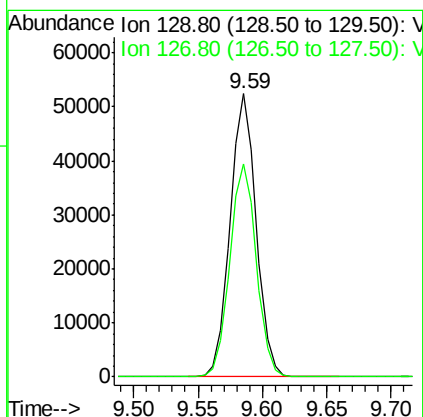
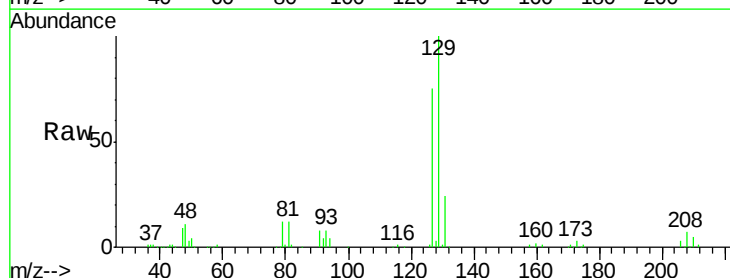
Instrument :
MSVOA_X
ClientSampleId :

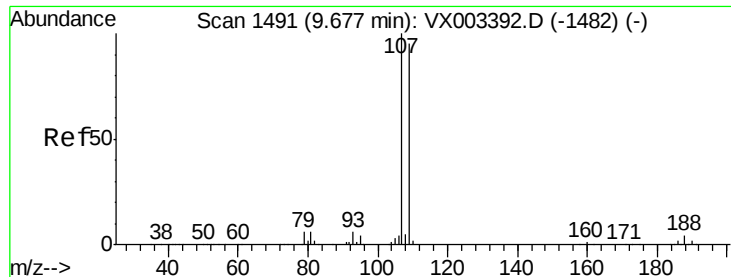
Tot Ion: 43 Resp: 369202
Ion Ratio Lower Upper
43 100
58 57.0 24.6 73.6



#60
Dibromochloromethane
Concen: 19.11 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion: 129 Resp: 74190
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.31 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

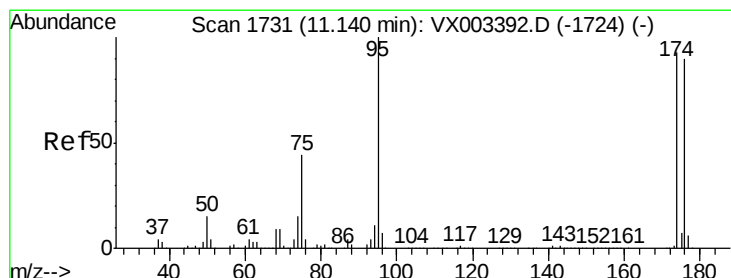
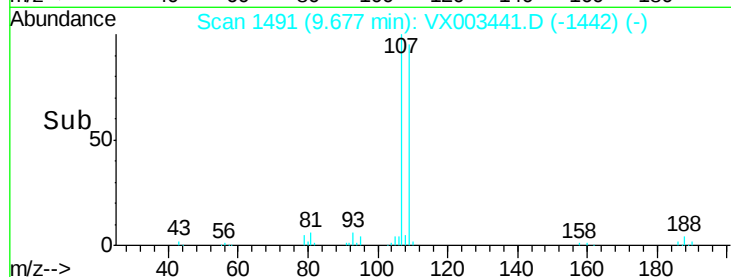
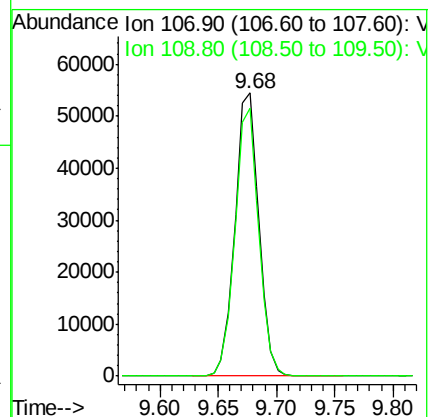
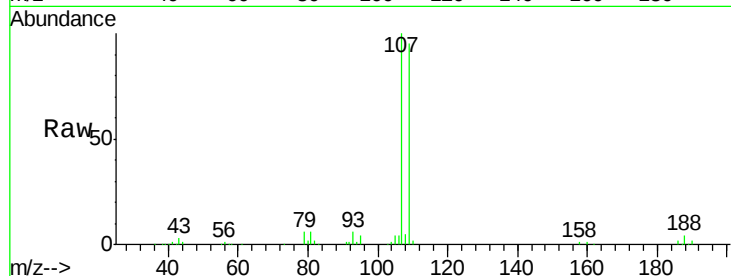
ClientSampleId :

Tot Ion:107 Resp: 77777

Ion Ratio Lower Upper

107 100

109 94.5 75.3 112.9



#62

4-Bromofluorobenzene

Concen: 49.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

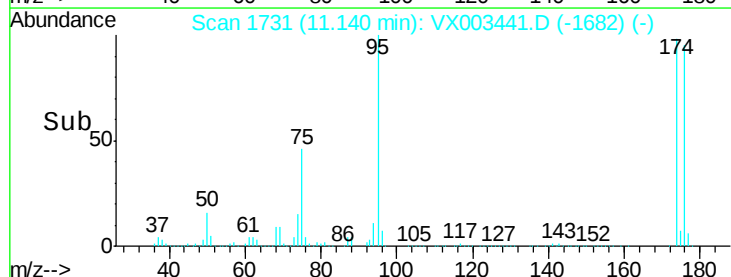
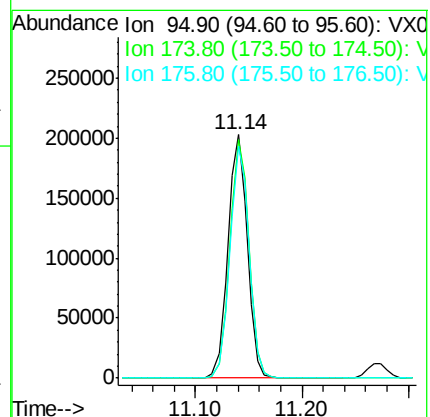
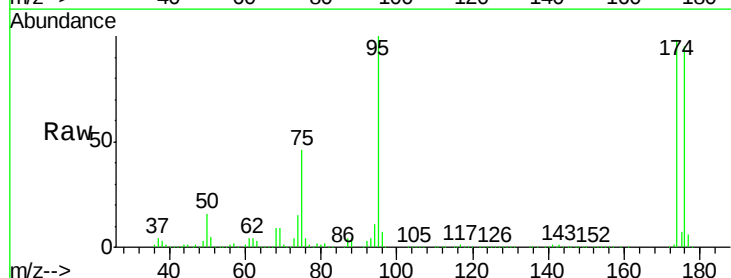
Tgt Ion: 95 Resp: 257569

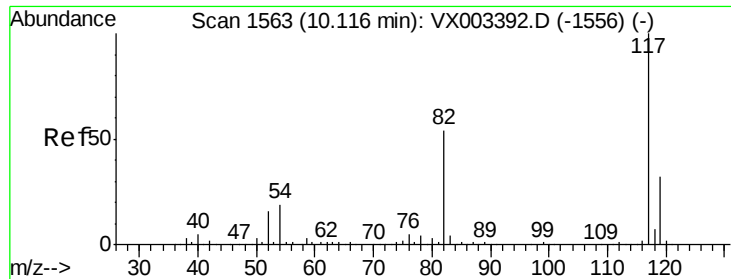
Ion Ratio Lower Upper

95 100

174 97.3 0.0 187.4

176 94.9 0.0 181.0

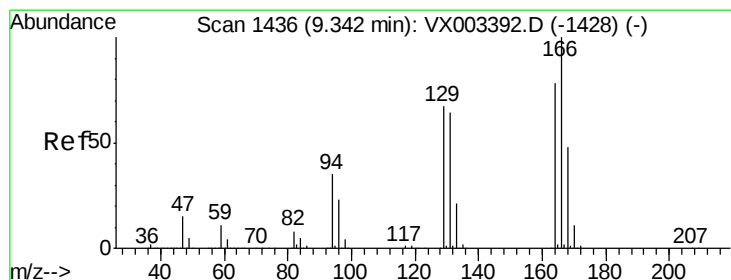
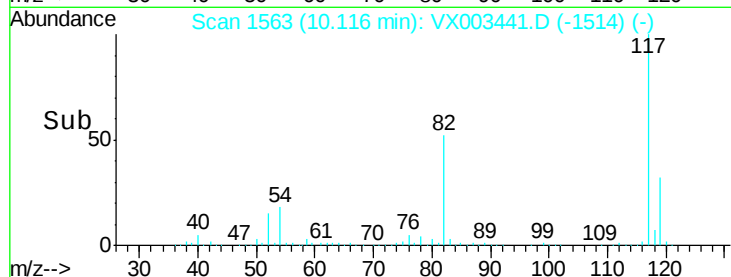
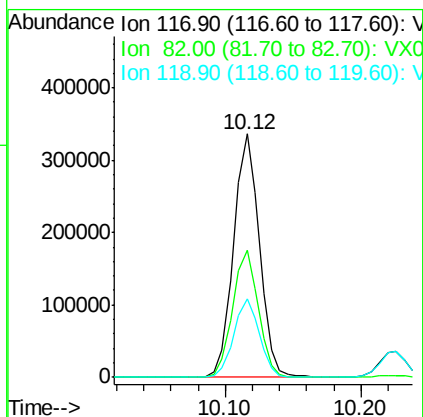
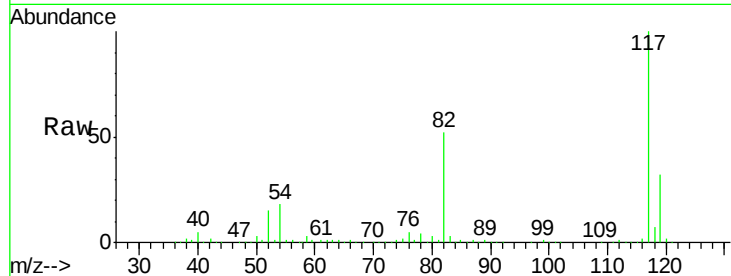




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

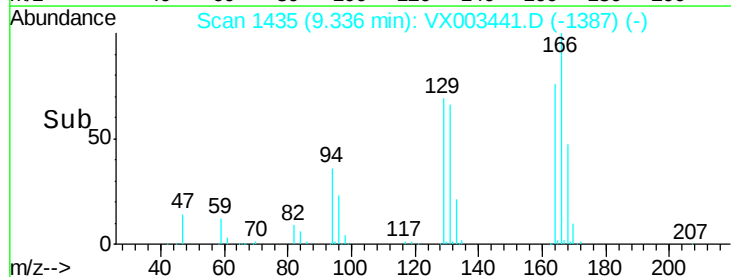
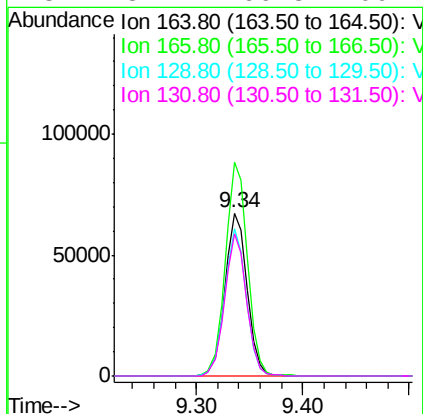
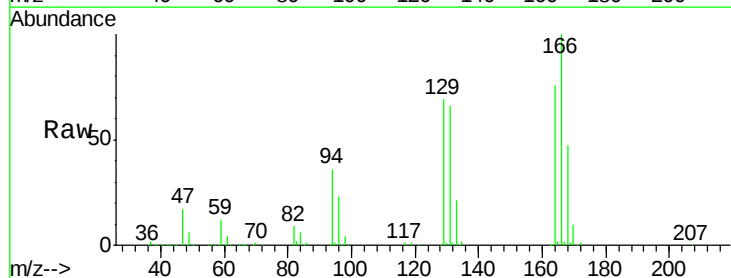
Instrument :
MSVOA_X
ClientSampleId :

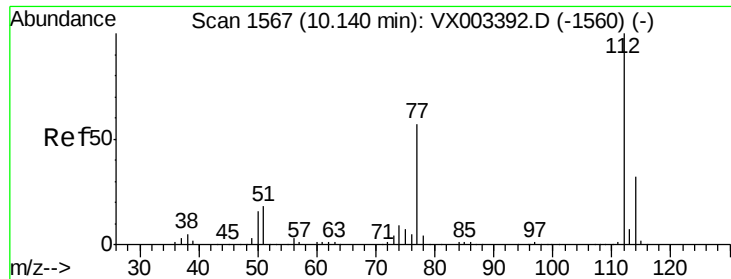
Tot Ion:117 Resp: 444660
Ion Ratio Lower Upper
117 100
82 52.0 45.0 67.4
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 21.02 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion:164 Resp: 97803
Ion Ratio Lower Upper
164 100
166 131.3 102.9 154.3
129 90.6 68.6 102.8
131 87.1 66.8 100.2

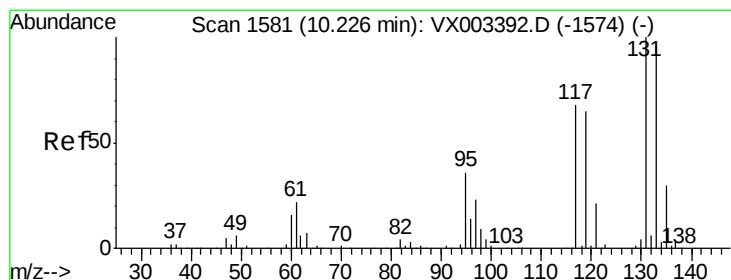
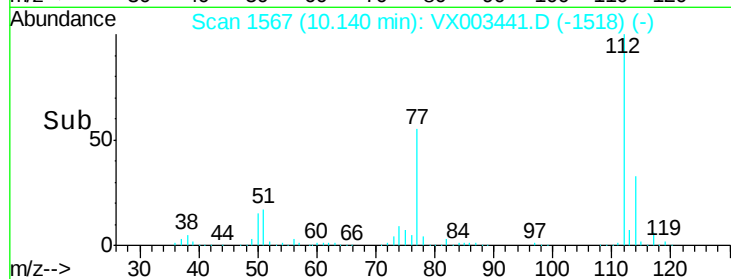
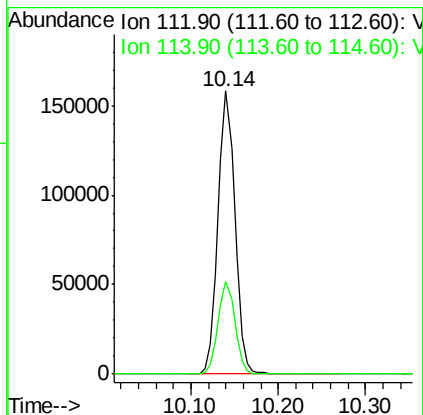
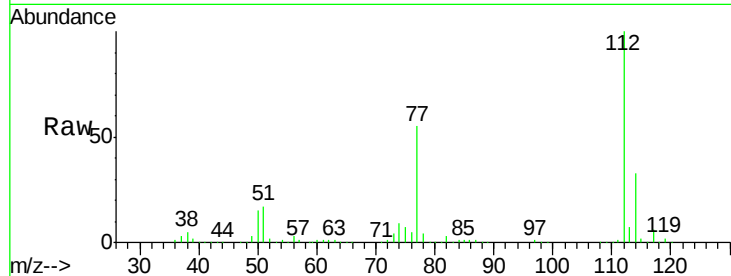




#65
Chlorobenzene
Concen: 20.19 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

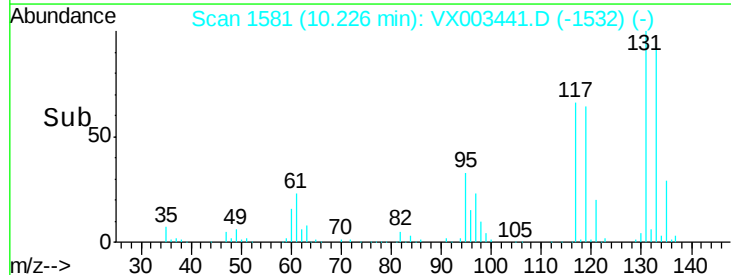
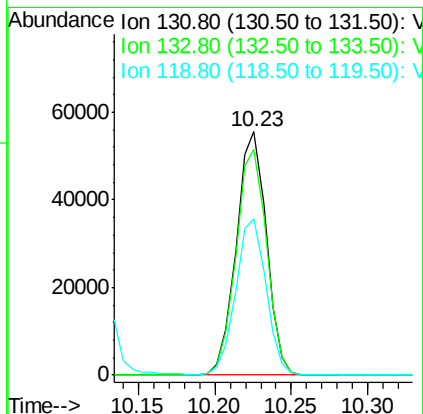
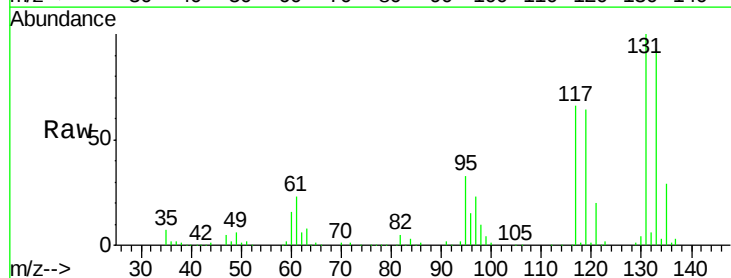
Instrument :
MSVOA_X
ClientSampleId :

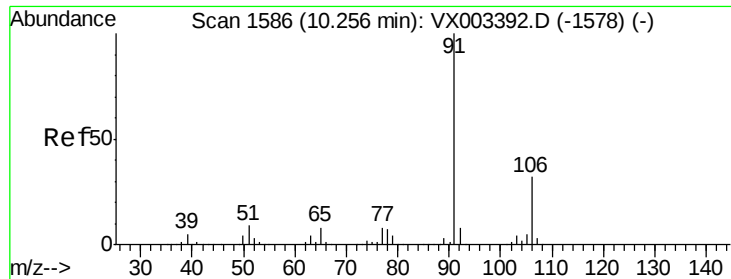
Tot Ion:112 Resp: 212040
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.26 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion:131 Resp: 75660
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.6
119 64.9 31.8 95.3





#67

Ethyl Benzene

Concen: 20.19 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

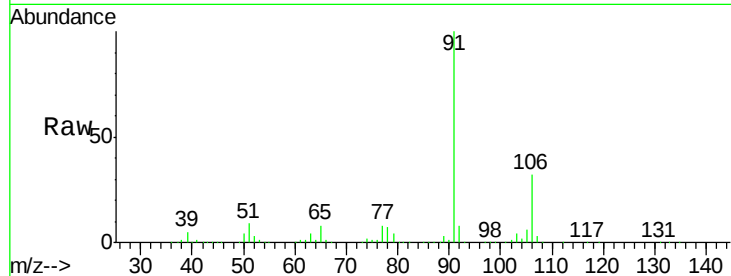
ClientSampleId :

Tot Ion: 91 Resp: 346582

Ion Ratio Lower Upper

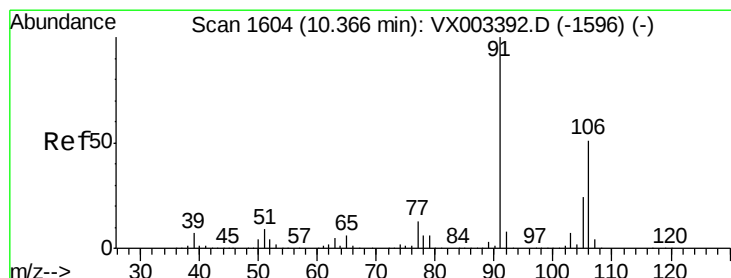
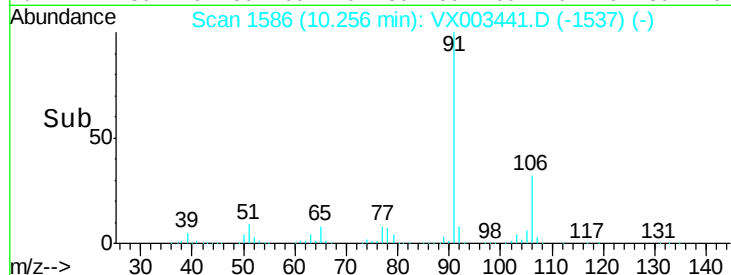
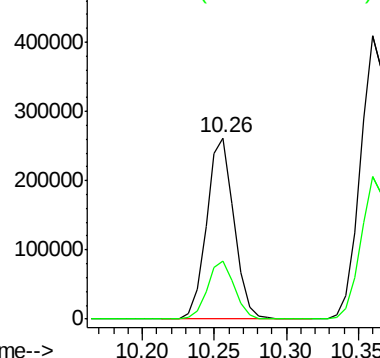
91 100

106 31.7 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: 41.23 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX003441.D

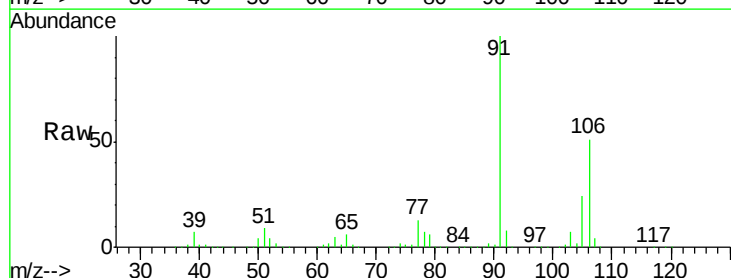
Acq: 18 Jul 2018 12:29

Tgt Ion: 106 Resp: 273833

Ion Ratio Lower Upper

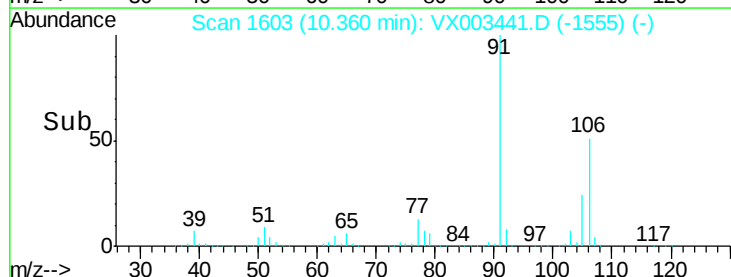
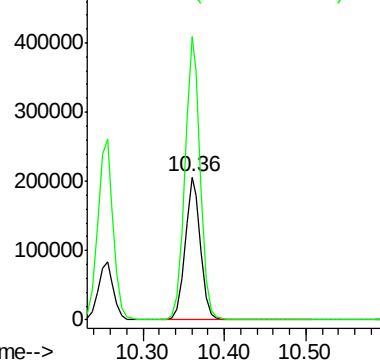
106 100

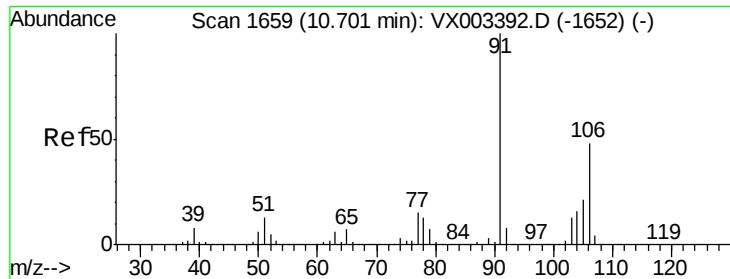
91 198.7 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

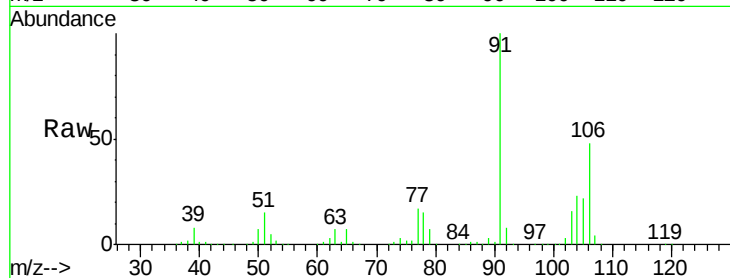




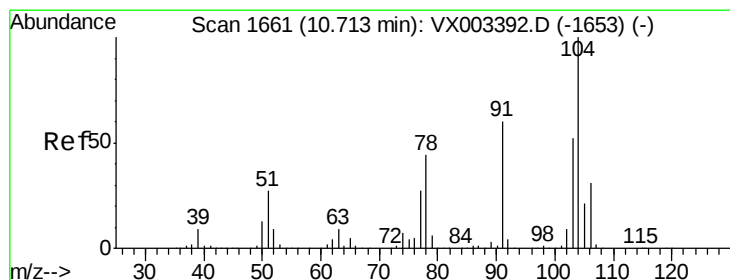
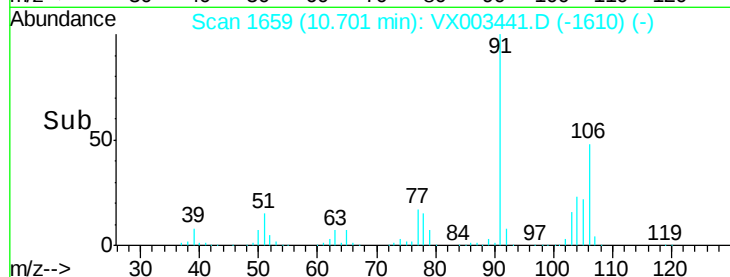
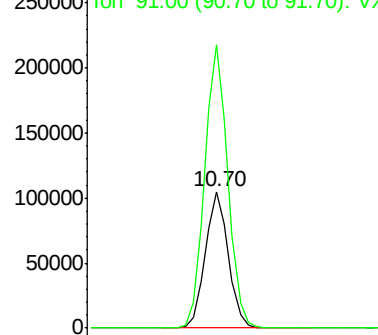
#69
o-Xylene
Concen: 20.61 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 131441
Ion Ratio Lower Upper
106 100
91 207.8 108.2 324.6

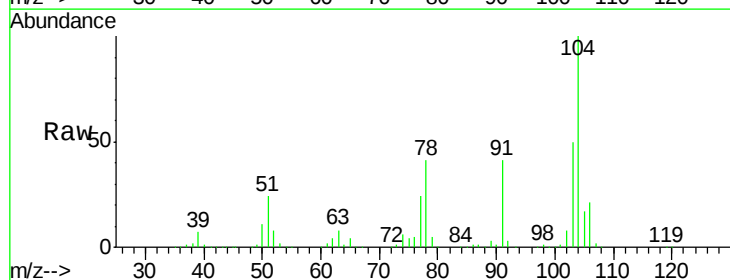


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

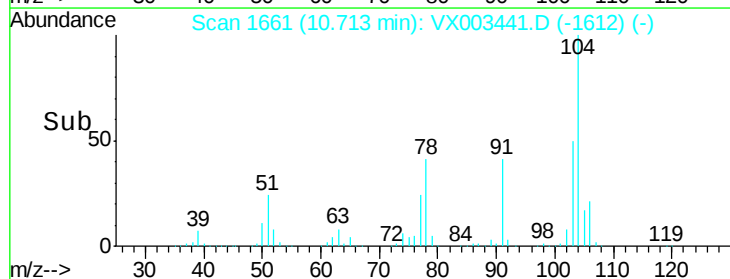
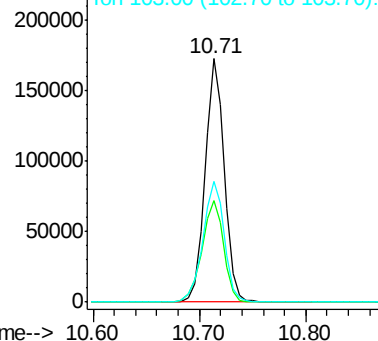


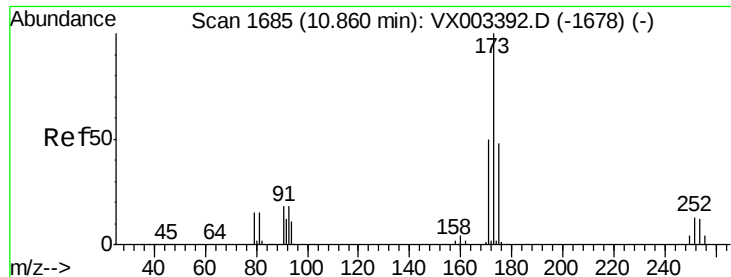
#70
Styrene
Concen: 20.77 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion:104 Resp: 218080
Ion Ratio Lower Upper
104 100
78 47.0 41.0 61.6
103 55.2 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: 18.99 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

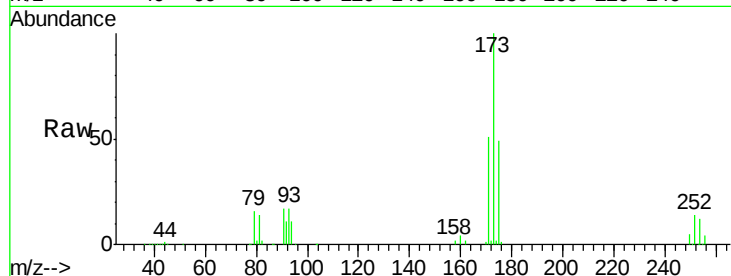
Tot Ion:173 Resp: 57035

Ion Ratio Lower Upper

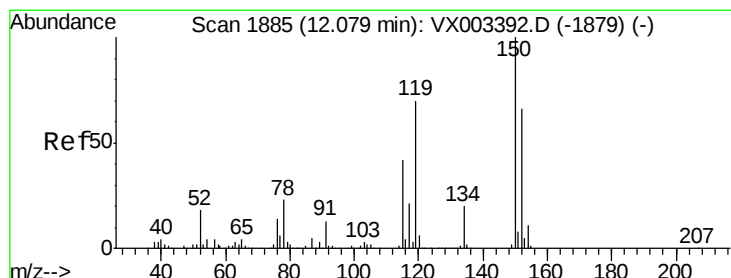
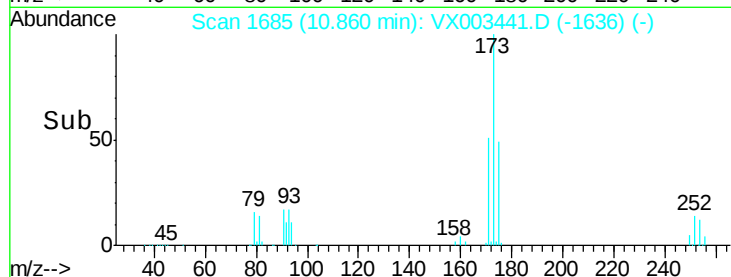
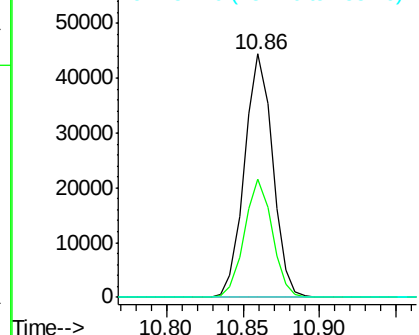
173 100

175 47.9 24.7 74.1

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

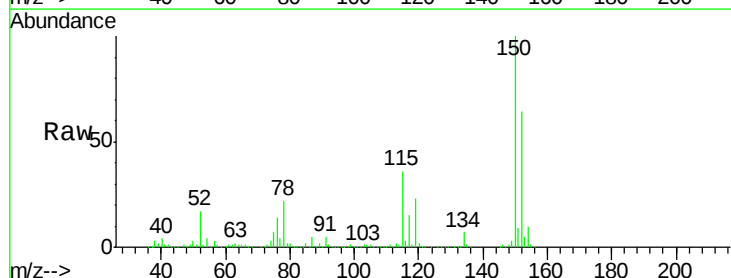
Tgt Ion:152 Resp: 272491

Ion Ratio Lower Upper

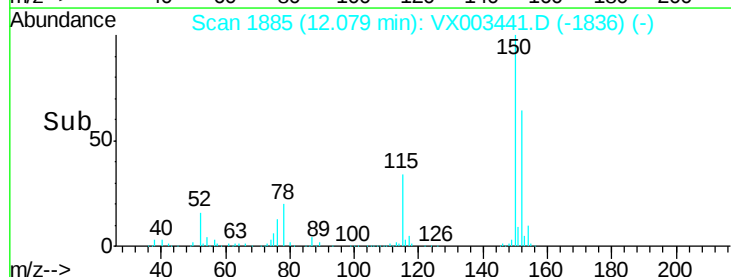
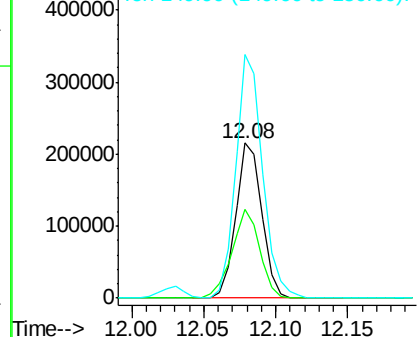
152 100

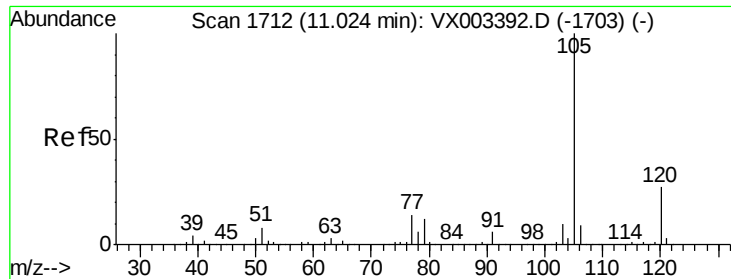
115 61.4 40.1 120.2

150 162.1 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: 20.49 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

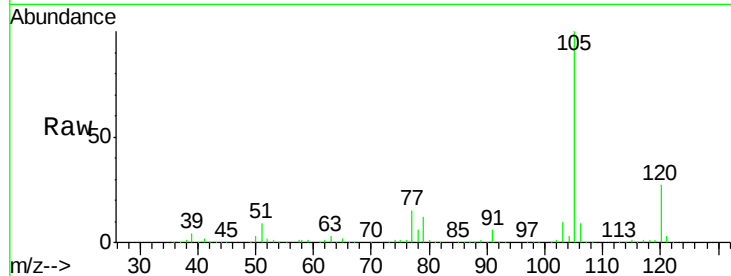
ClientSampleId :

Tot Ion:105 Resp: 357488

Ion Ratio Lower Upper

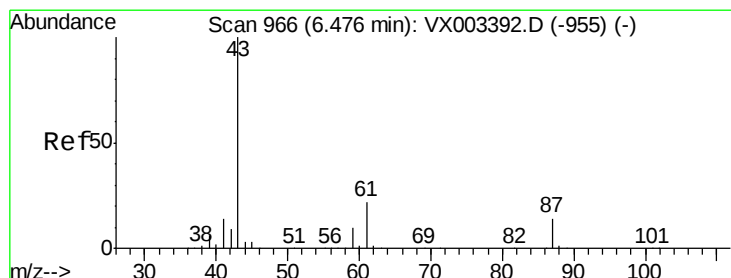
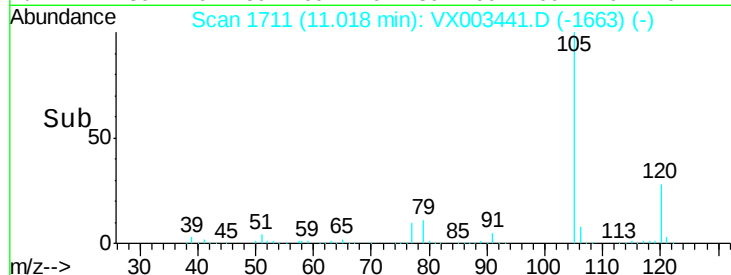
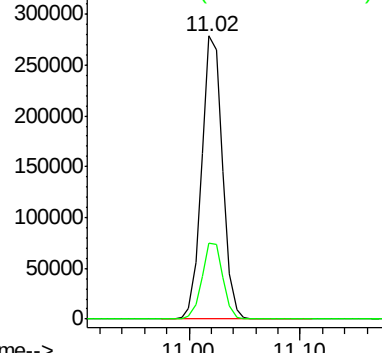
105 100

120 27.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.57 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Tgt Ion: 43 Resp: 147408

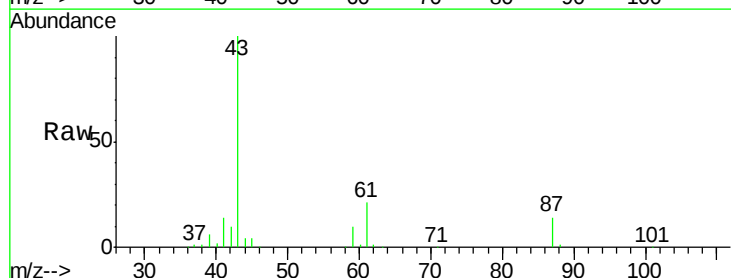
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 21.5 14.4 21.6

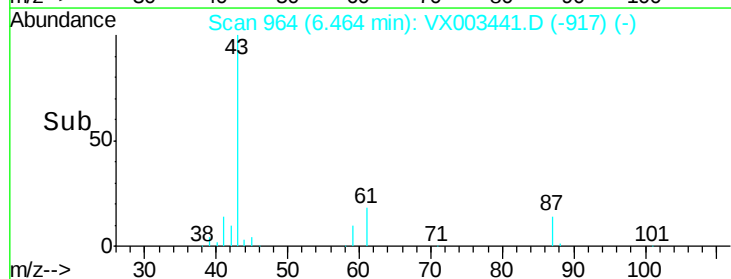
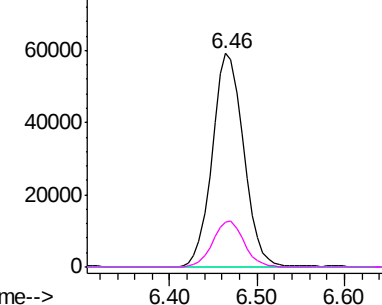


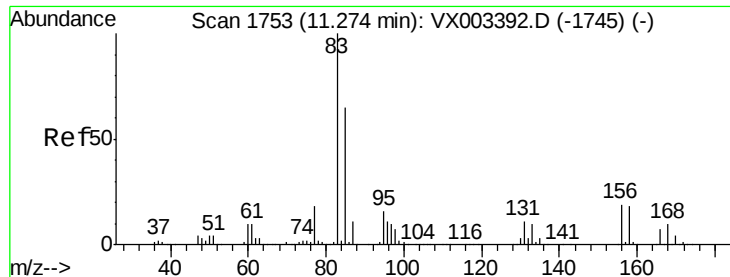
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.39 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

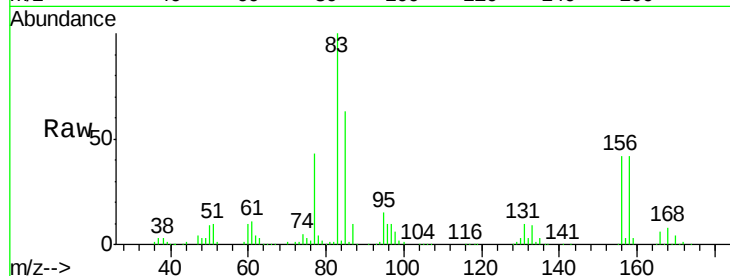
Tot Ion: 83 Resp: 105905

Ion Ratio Lower Upper

83 100

131 11.1 5.6 16.8

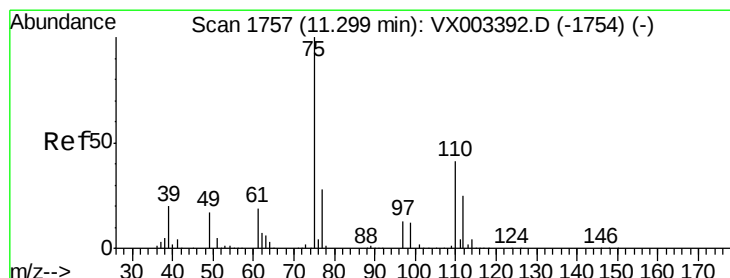
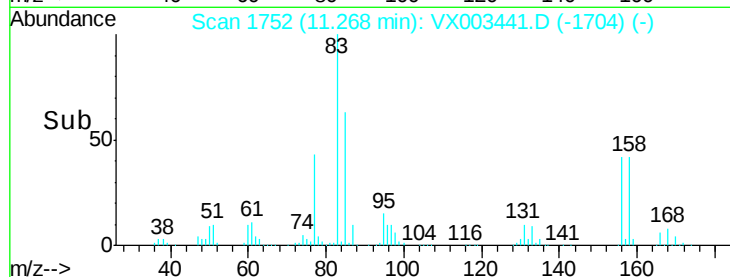
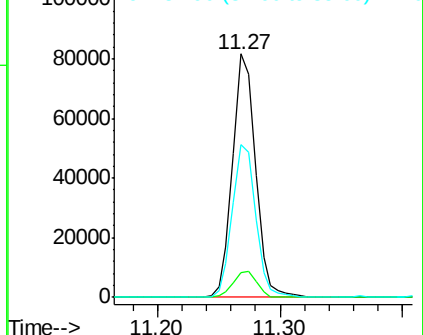
85 64.5 32.4 97.2



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: 24.26 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003441.D

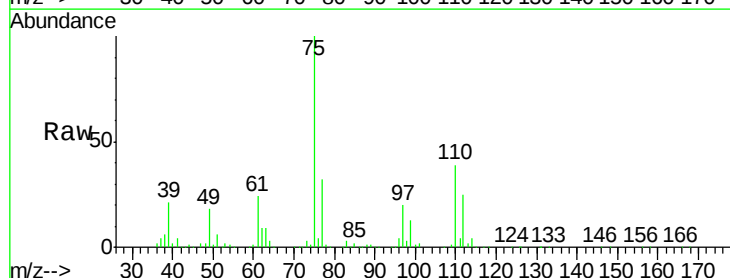
Acq: 18 Jul 2018 12:29

Tgt Ion: 75 Resp: 119663

Ion Ratio Lower Upper

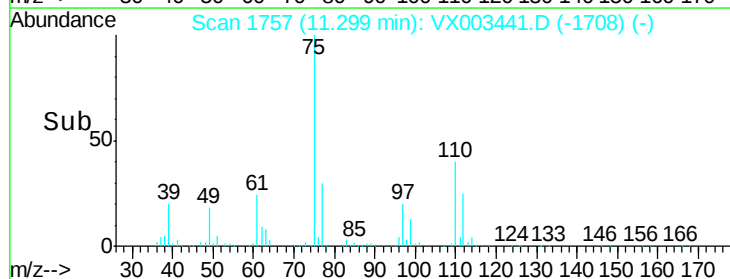
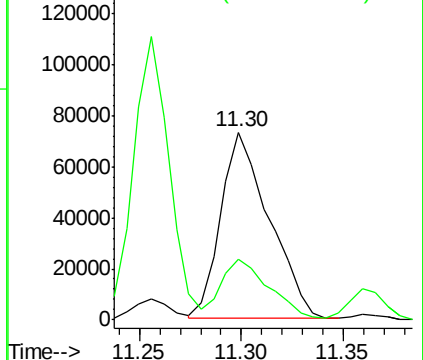
75 100

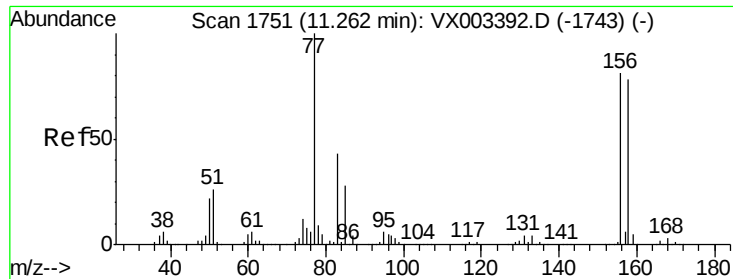
77 32.8 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.24 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampled :

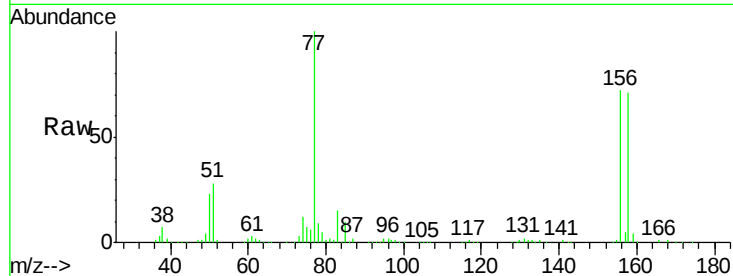
Tot Ion:156 Resp: 100308

Ion Ratio Lower Upper

156 100

77 134.7 71.4 214.2

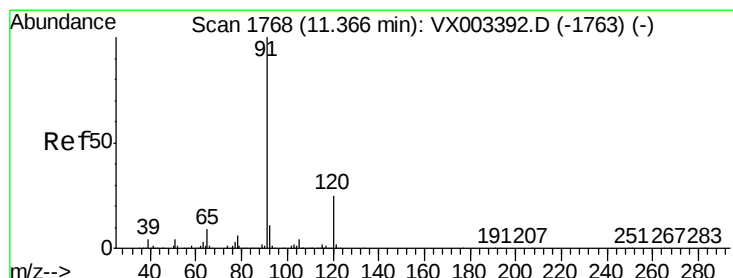
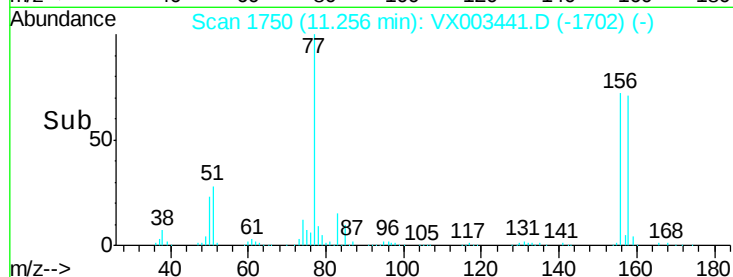
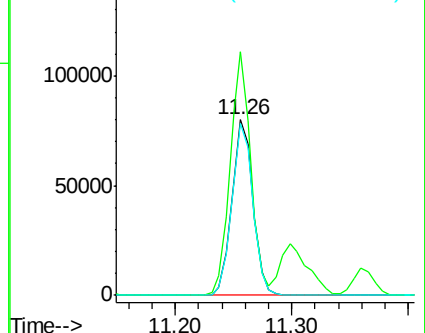
158 97.9 48.9 146.6



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: 20.52 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003441.D

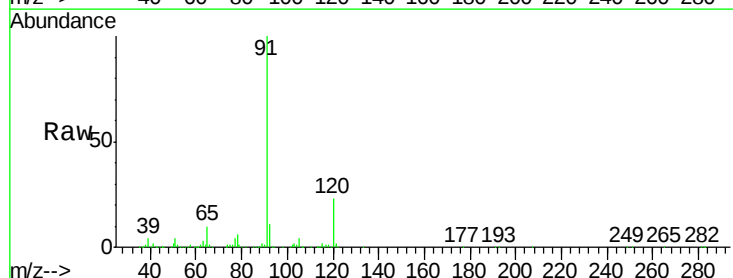
Acq: 18 Jul 2018 12:29

Tgt Ion: 91 Resp: 399992

Ion Ratio Lower Upper

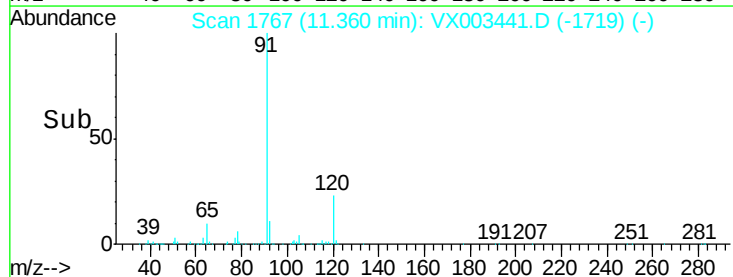
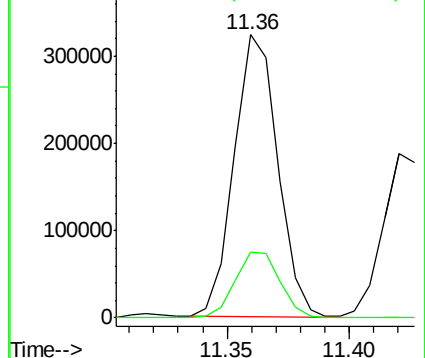
91 100

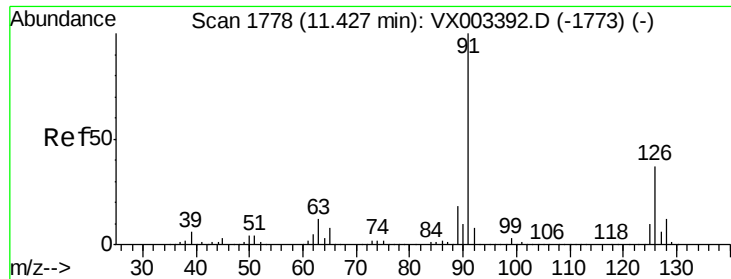
120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.04 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

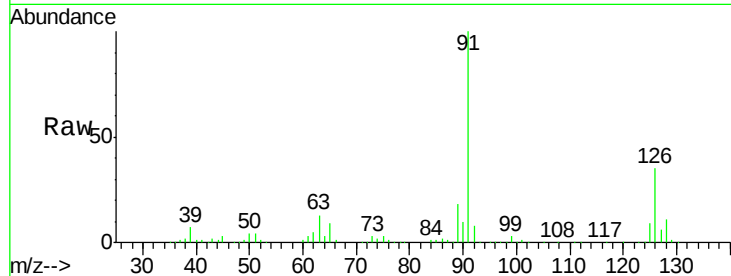
ClientSampleId :

Tot Ion: 91 Resp: 239517

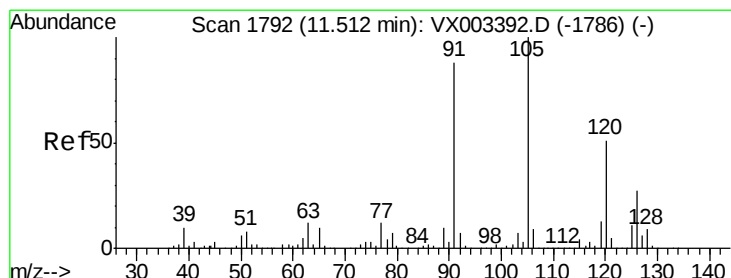
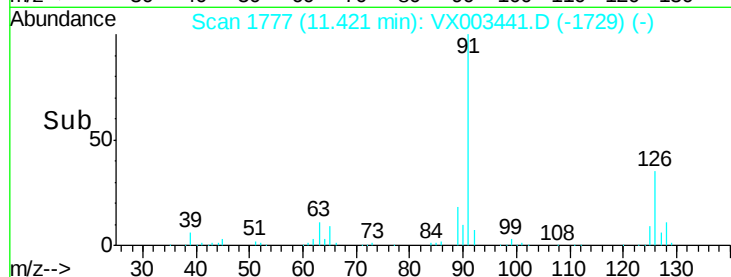
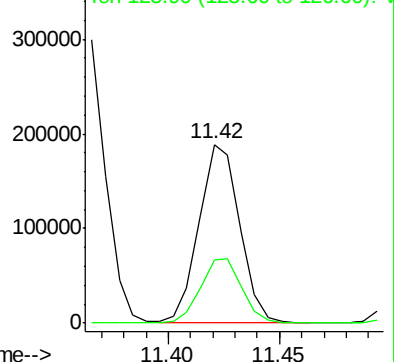
Ion Ratio Lower Upper

91 100

126 36.6 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX003392.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.72 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003441.D

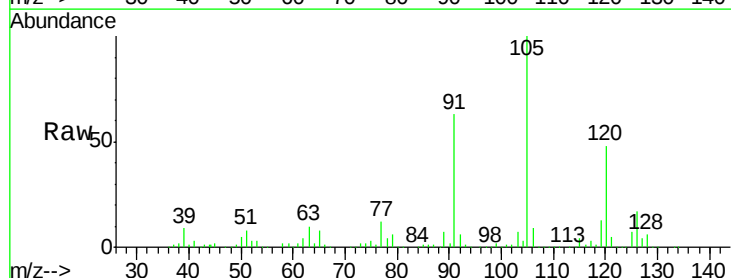
Acq: 18 Jul 2018 12:29

Tgt Ion: 105 Resp: 295380

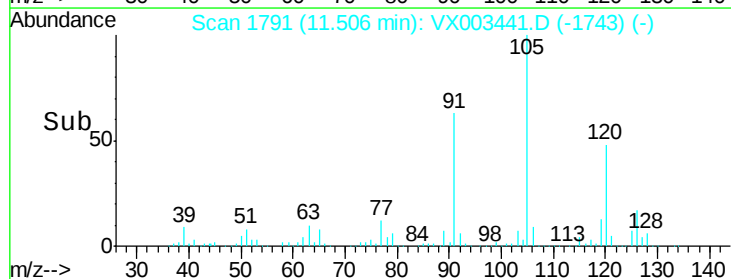
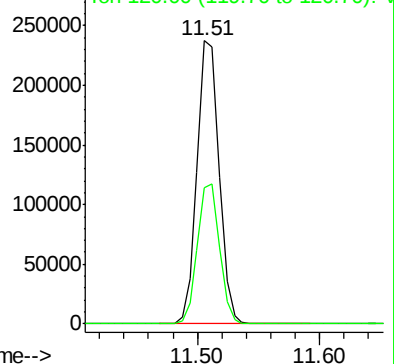
Ion Ratio Lower Upper

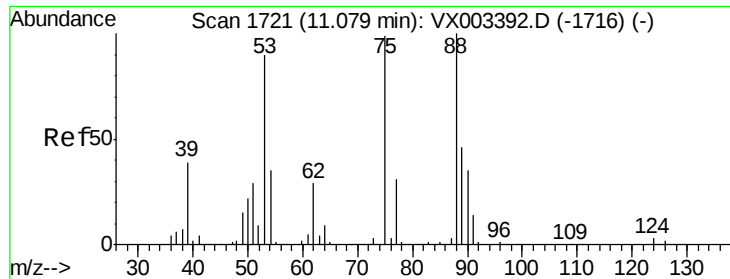
105 100

120 49.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003392.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.37 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampled :

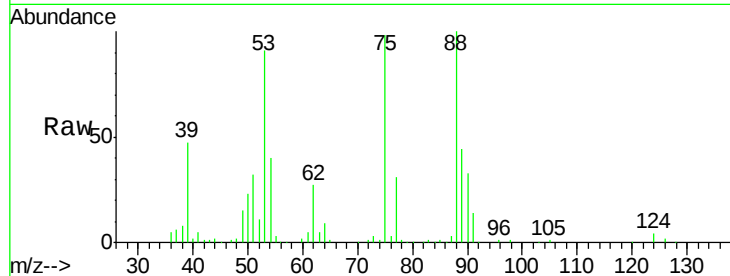
Tot Ion: 75 Resp: 27892

Ion Ratio Lower Upper

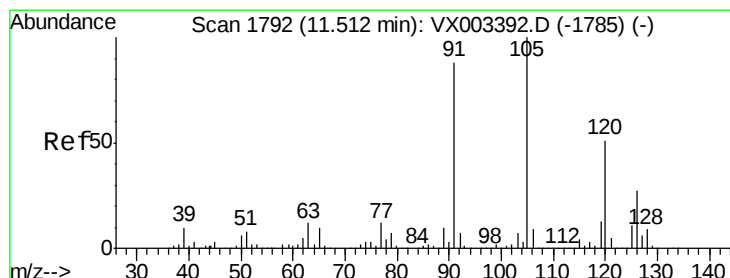
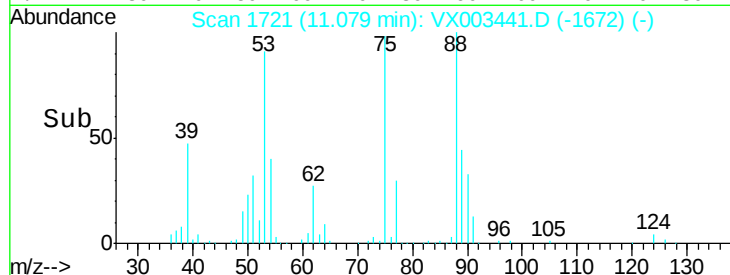
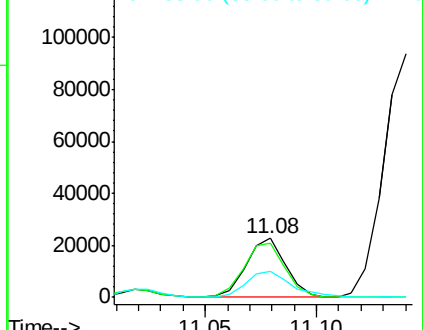
75 100

53 99.0 86.8 130.2

89 51.4 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.12 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003441.D

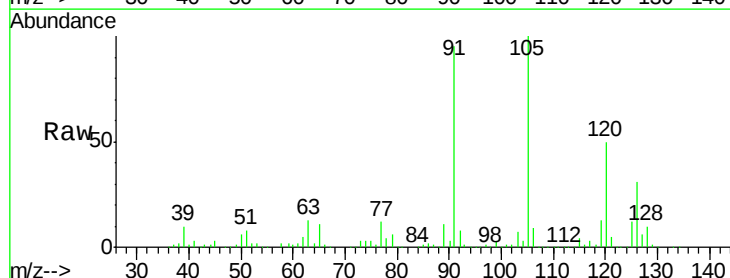
Acq: 18 Jul 2018 12:29

Tgt Ion: 91 Resp: 280479

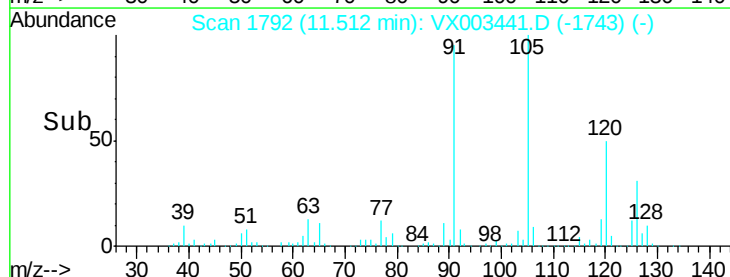
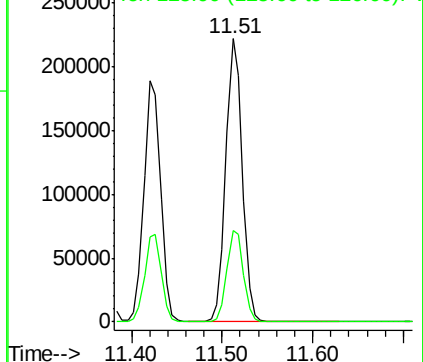
Ion Ratio Lower Upper

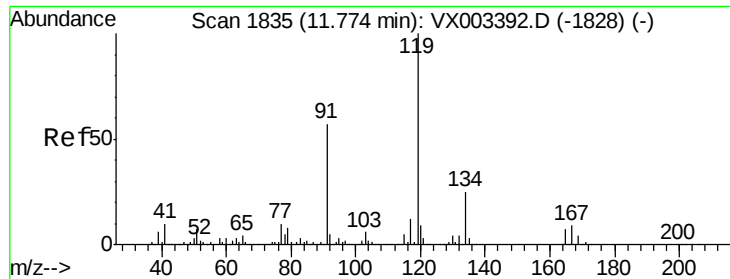
91 100

126 32.3 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: 20.55 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampled :

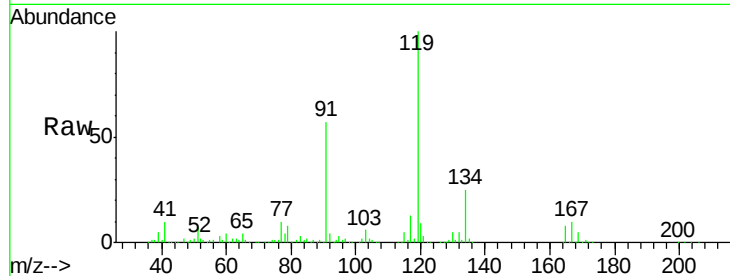
Tot Ion:119 Resp: 286235

Ion Ratio Lower Upper

119 100

91 54.7 30.3 90.9

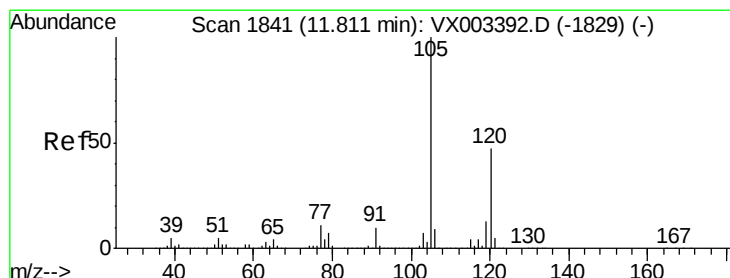
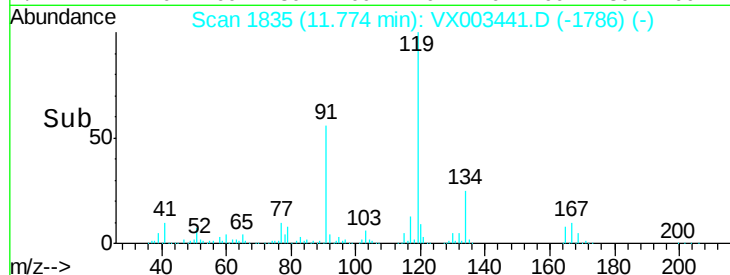
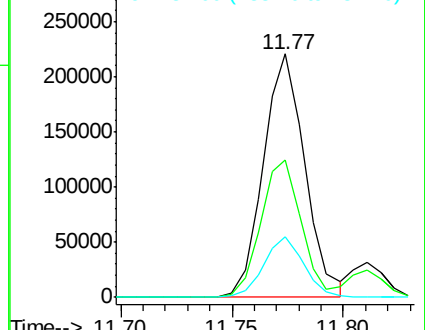
134 23.9 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.63 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003441.D

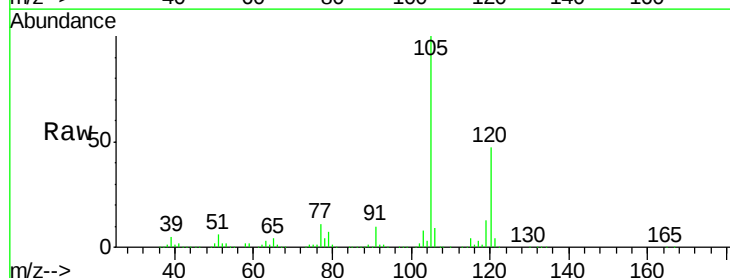
Acq: 18 Jul 2018 12:29

Tgt Ion:105 Resp: 302037

Ion Ratio Lower Upper

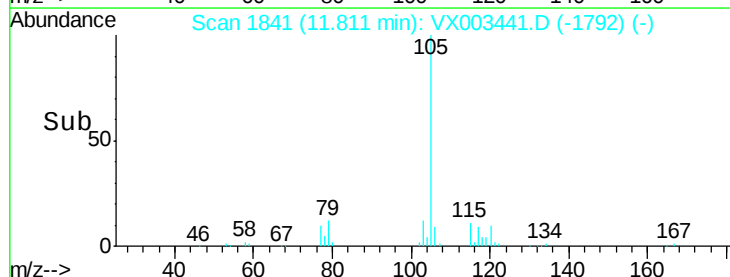
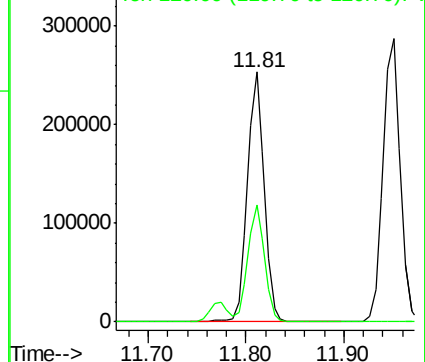
105 100

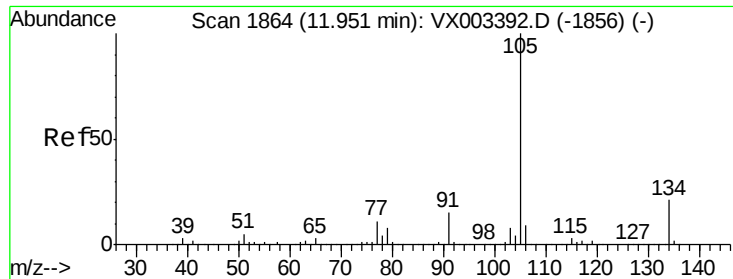
120 46.6 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.71 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

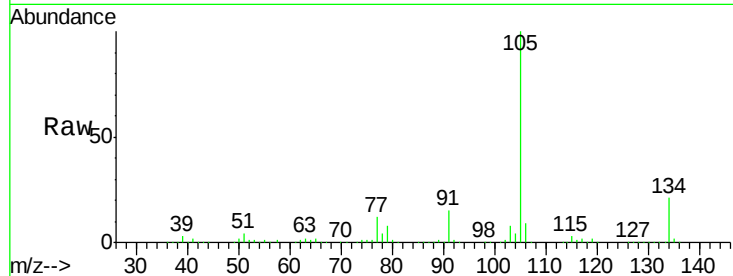
ClientSampleId :

Tot Ion:105 Resp: 349928

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

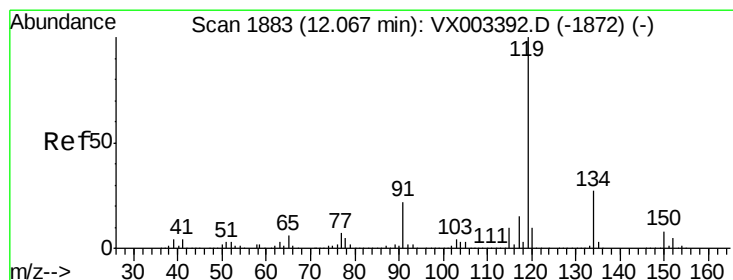
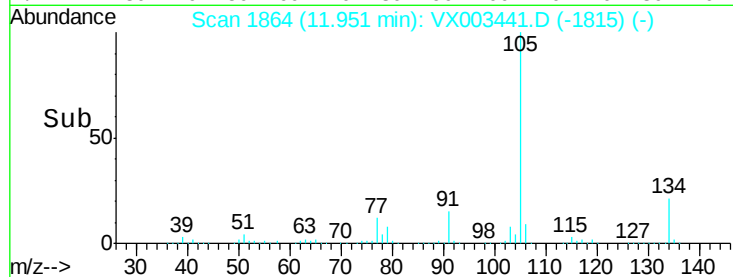
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.89 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

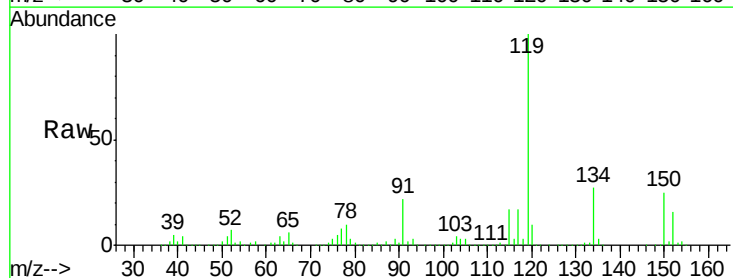
Tgt Ion:119 Resp: 314240

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.7 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

12.07

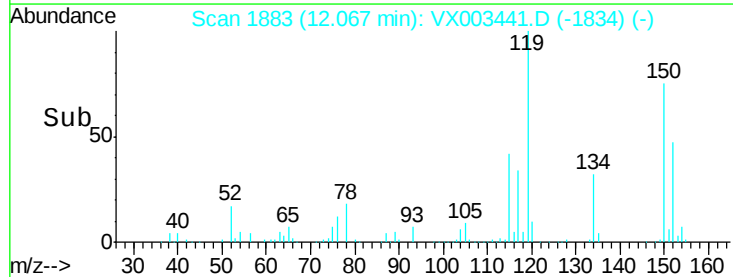
300000

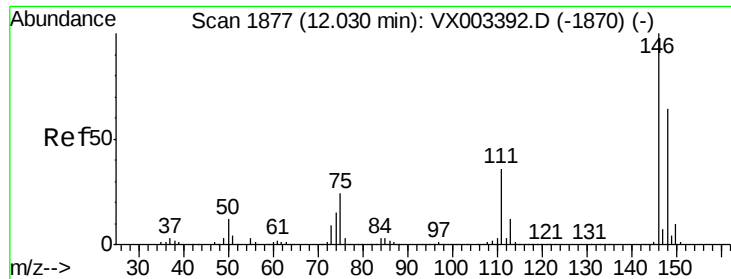
200000

100000

0

Time-->

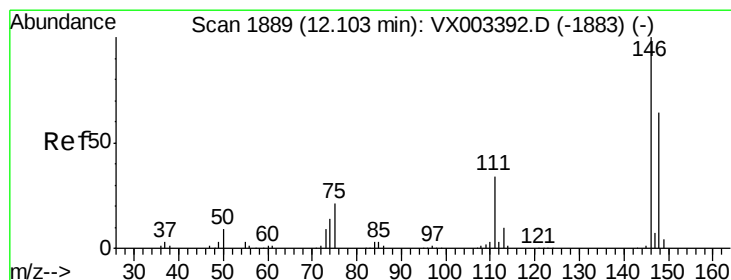
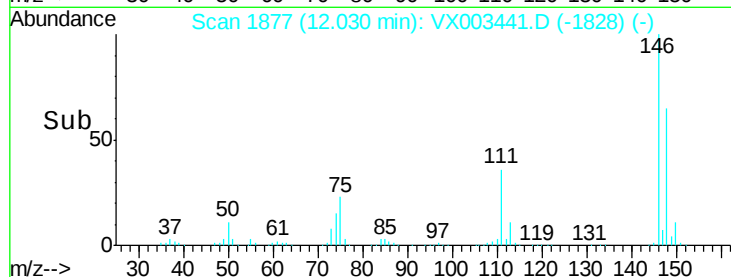
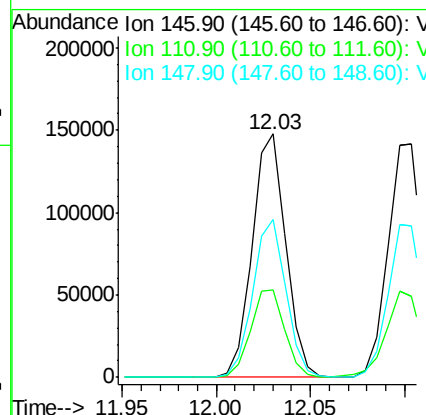
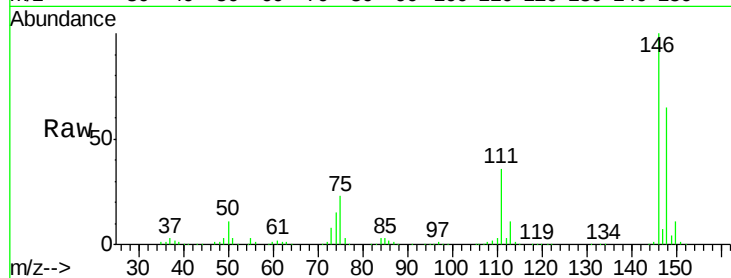




#87
 1,3-Dichlorobenzene
 Concen: 20.13 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

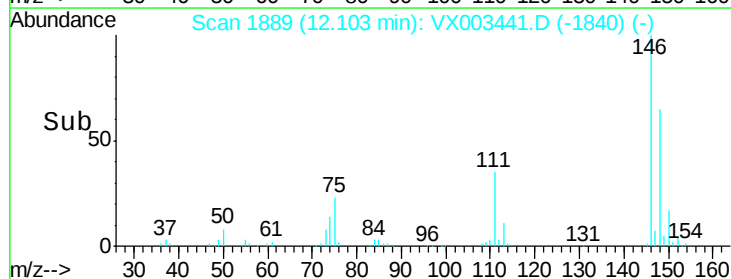
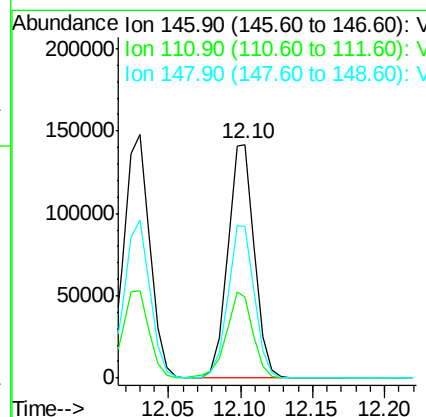
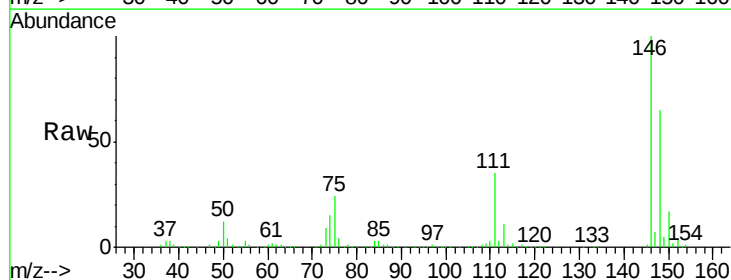
Instrument :
 MSVOA_X
 ClientSampleId :

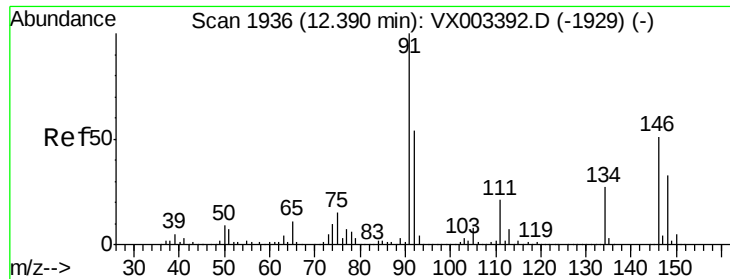
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.7
148	64.2	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.02 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.7	56.1
148	65.1	32.4	97.0

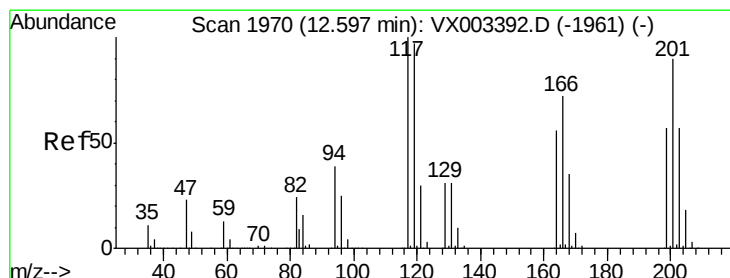
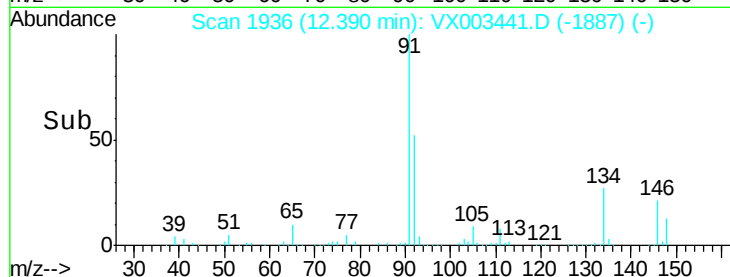
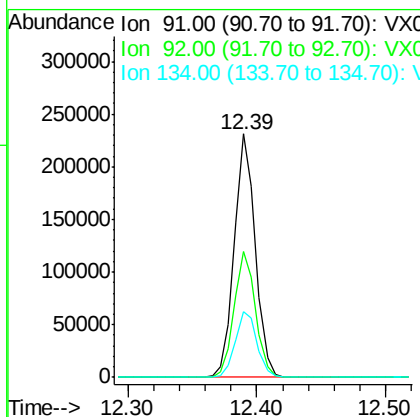
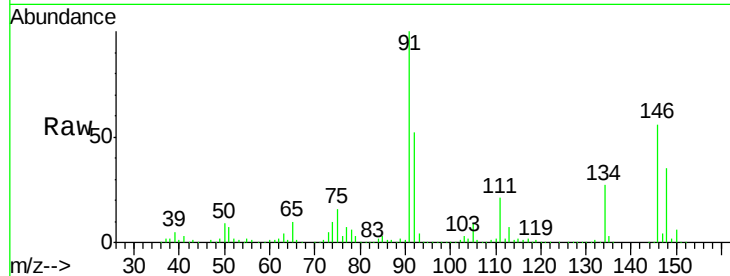




#89
n-Butylbenzene
Concen: 20.59 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

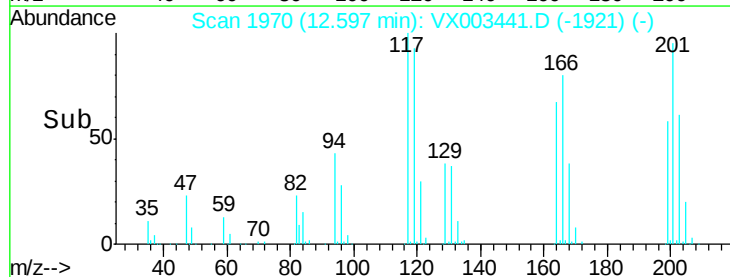
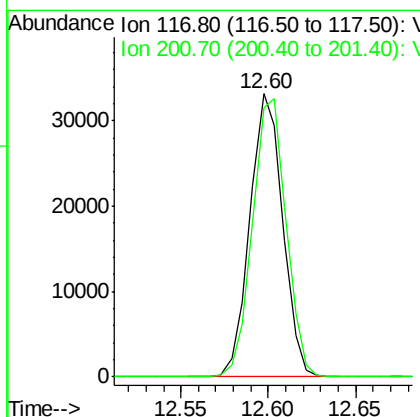
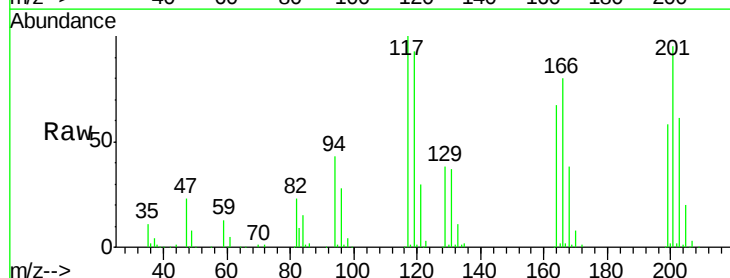
Instrument :
MSVOA_X
ClientSampled :

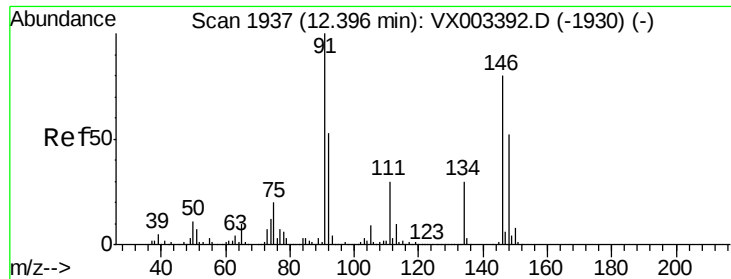
Tot Ion: 91 Resp: 263889
Ion Ratio Lower Upper
91 100
92 52.6 26.0 78.0
134 28.0 13.5 40.5



#90
Hexachloroethane
Concen: 18.94 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003441.D
Acq: 18 Jul 2018 12:29

Tgt Ion: 117 Resp: 43178
Ion Ratio Lower Upper
117 100
201 100.6 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 20.11 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

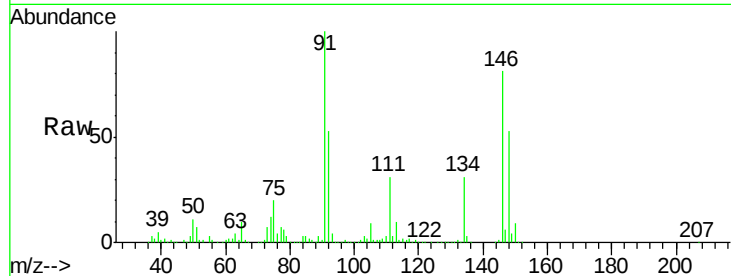
Tot Ion:146 Resp: 183176

Ion Ratio Lower Upper

146 100

111 37.7 19.4 58.1

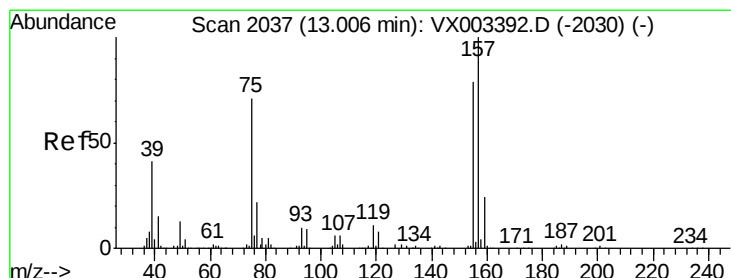
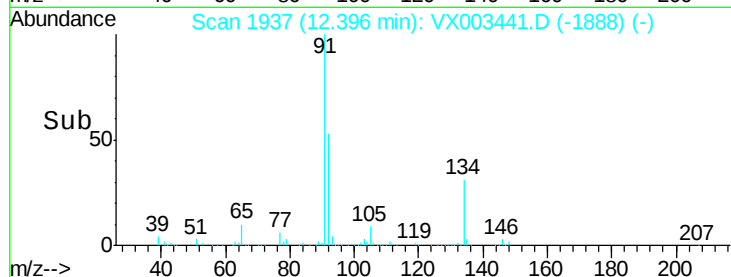
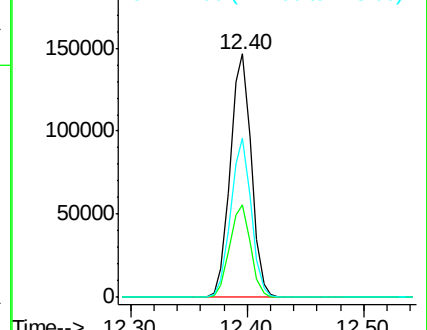
148 63.6 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.90 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

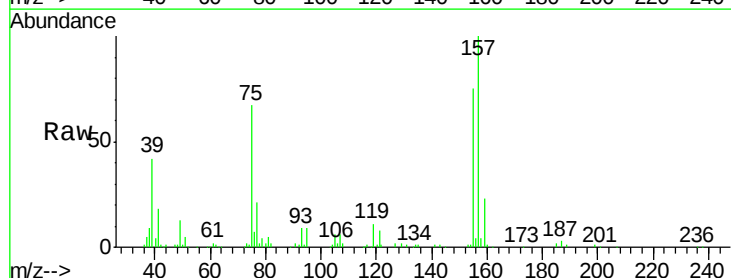
Tgt Ion: 75 Resp: 20249

Ion Ratio Lower Upper

75 100

155 103.9 45.8 137.4

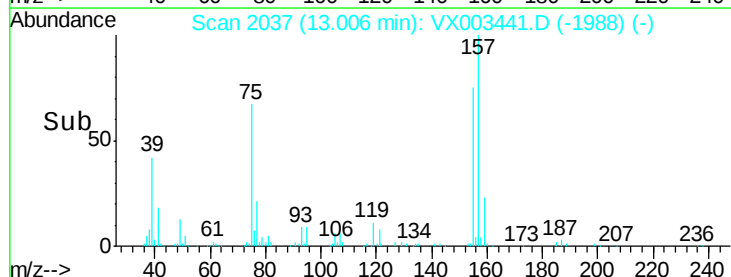
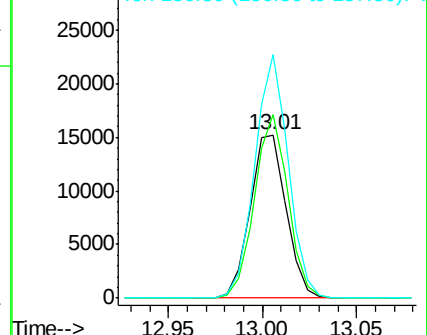
157 138.2 60.1 180.3

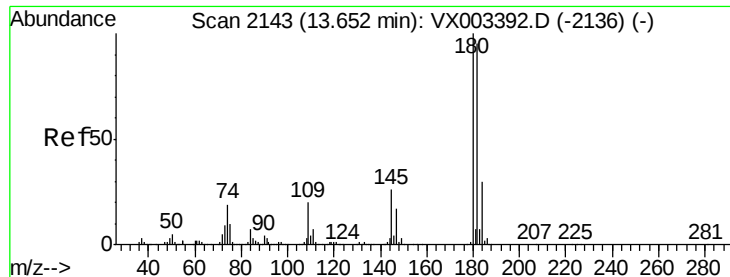


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

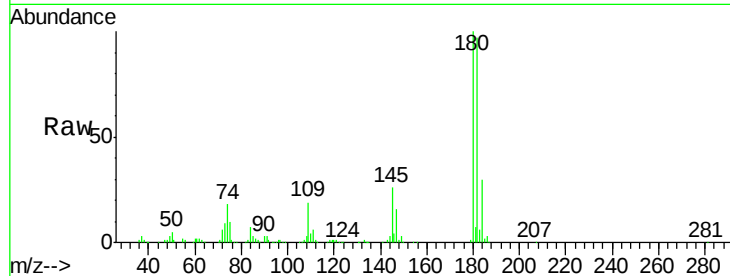




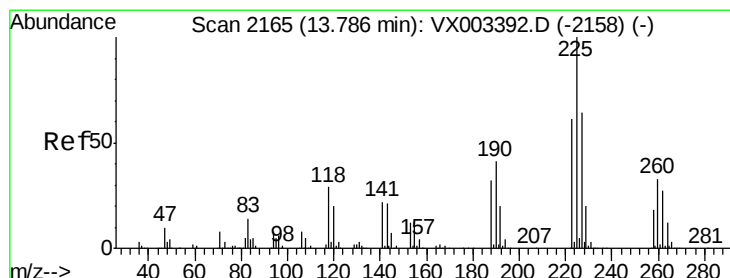
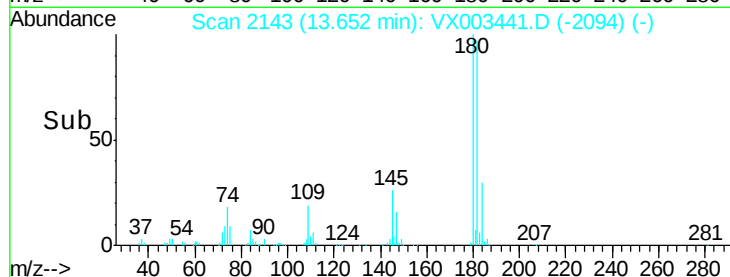
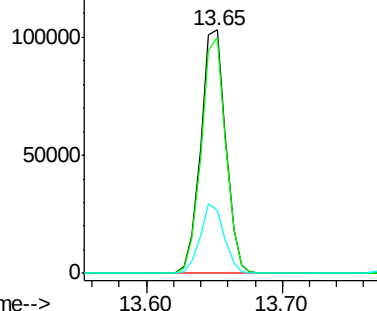
#93
 1,2,4-Trichlorobenzene
 Concen: 20.95 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 130582
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.7 143.1
 145 27.5 14.1 42.4

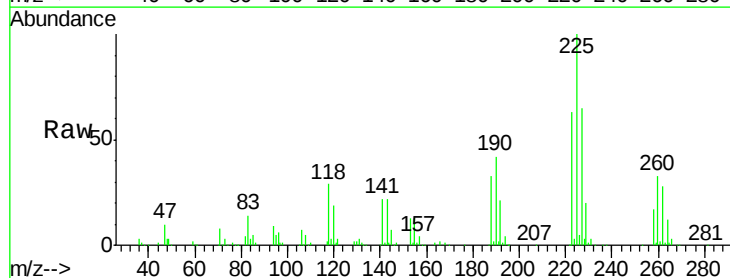


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

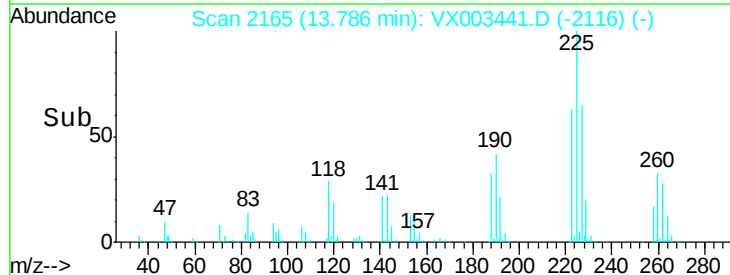
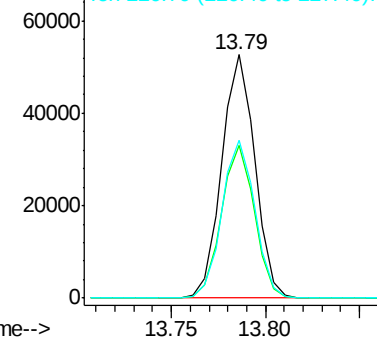


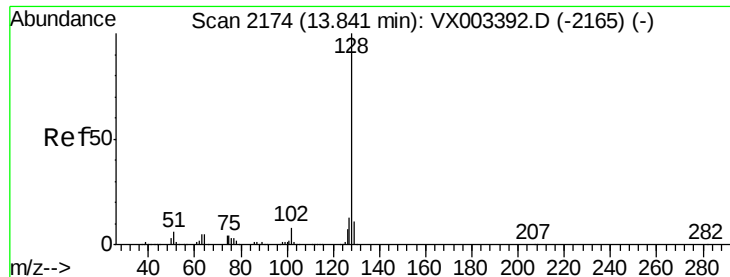
#94
 Hexachlorobutadiene
 Concen: 21.32 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003441.D
 Acq: 18 Jul 2018 12:29

Tgt Ion:225 Resp: 63977
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.6 95.0
 227 64.6 32.4 97.2



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





#95

Naphthalene

Concen: 20.33 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

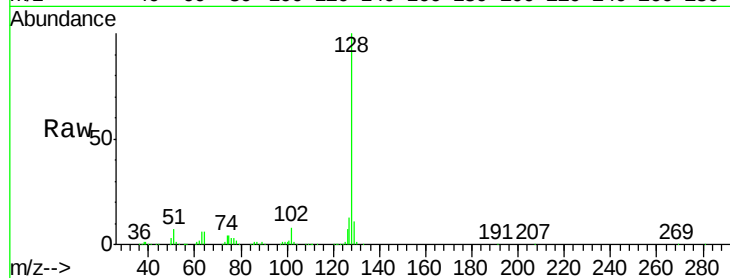
Tot Ion:128 Resp: 363171

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

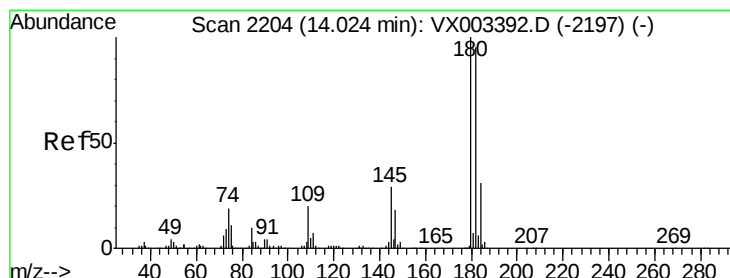
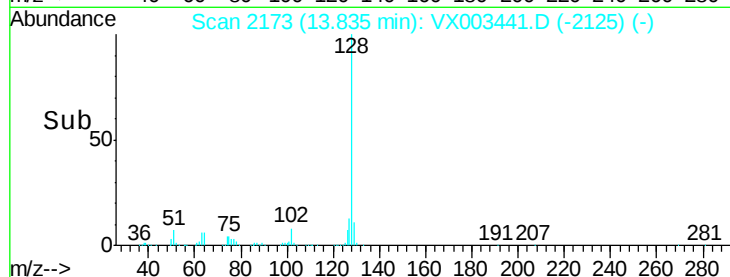
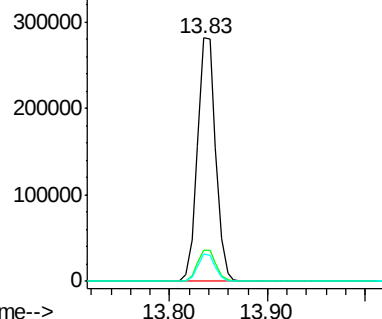
129 10.9 8.6 13.0



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: 20.69 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003441.D

Acq: 18 Jul 2018 12:29

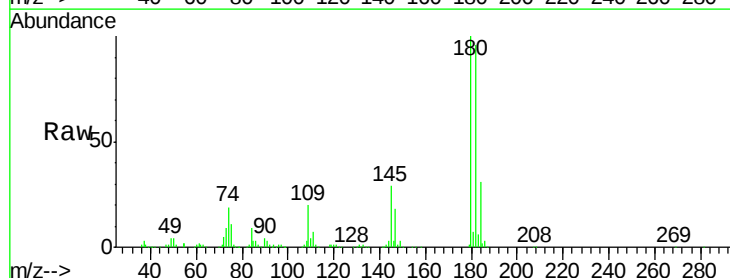
Tgt Ion:180 Resp: 132682

Ion Ratio Lower Upper

180 100

182 95.9 48.0 144.0

145 29.1 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

