

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071618\
 Data File : VX003399.D
 Acq On : 16 Jul 2018 19:38
 Operator : JC/MD
 Sample : VX0716WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Quant Time: Jul 17 01:57:46 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	341628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	476785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	453609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	270569	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	218230	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
35) Dibromofluoromethane	5.51	113	187819	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	8.72	98	803558	56.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.88%	
62) 4-Bromofluorobenzene	11.14	95	291695	57.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	79920	20.73	ug/l	97
3) Chloromethane	1.32	50	80968	19.40	ug/l	99
4) Vinyl Chloride	1.40	62	89617	19.71	ug/l	98
5) Bromomethane	1.64	94	43893	25.63	ug/l	99
6) Chloroethane	1.72	64	54459	20.25	ug/l	99
7) Trichlorofluoromethane	1.93	101	122084	20.24	ug/l	98
8) Diethyl Ether	2.19	74	50300	19.49	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	74939	19.67	ug/l	98
10) Methyl Iodide	2.51	142	64733	15.88	ug/l	91
11) Tert butyl alcohol	3.09	59	102378	101.75	ug/l	99
12) 1,1-Dichloroethene	2.37	96	71851	19.95	ug/l	88
13) Acrolein	2.29	56	43543	90.22	ug/l	97
14) Allyl chloride	2.73	41	127417	19.51	ug/l	87
15) Acrylonitrile	3.15	53	229285	99.47	ug/l	97
16) Acetone	2.45	43	185770	99.83	ug/l	90
17) Carbon Disulfide	2.57	76	184908	18.71	ug/l	97
18) Methyl Acetate	2.78	43	134998	22.27	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	238686	19.96	ug/l	99
20) Methylene Chloride	2.86	84	82348	24.13	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	75239	19.34	ug/l	91
22) Diisopropyl ether	3.88	45	249713	19.71	ug/l	98
23) Vinyl Acetate	3.83	43	1011112	96.76	ug/l	98
24) 1,1-Dichloroethane	3.70	63	142683	19.85	ug/l	98
25) 2-Butanone	4.72	43	297116	102.02	ug/l	91
26) 2,2-Dichloropropane	4.59	77	81705	16.19	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	84486	20.19	ug/l	98
28) Bromochloromethane	5.03	49	64566	20.69	ug/l	85
29) Tetrahydrofuran	5.18	42	190556	103.17	ug/l	91
30) Chloroform	5.22	83	135819	20.50	ug/l	95
31) Cyclohexane	5.58	56	115672	20.84	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	117636	20.88	ug/l	98
36) 1,1-Dichloropropene	5.81	75	98616	20.43	ug/l	97
37) Ethyl Acetate	4.88	43	109083	20.05	ug/l	95
38) Carbon Tetrachloride	5.79	117	101234	20.60	ug/l	97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	114458	20.71	ug/l	93
40) Benzene	6.15	78	321921	21.91	ug/l	97
41) Methacrylonitrile	5.07	41	61574	20.58	ug/l	92
42) 1,2-Dichloroethane	6.21	62	105349	20.91	ug/l	95
43) Isopropyl Acetate	6.48	43	170178	20.72	ug/l #	94
44) Trichloroethene	7.22	130	87343	20.52	ug/l	99
45) 1,2-Dichloropropane	7.53	63	80508	21.07	ug/l	99
46) Dibromomethane	7.67	93	52933	20.80	ug/l	96
47) Bromodichloromethane	7.90	83	100243	21.51	ug/l	93
48) Methyl methacrylate	7.79	41	86995	20.77	ug/l	85
49) 1,4-Dioxane	7.76	88	40007	417.10	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	638597	118.14	ug/l	94
52) Toluene	8.79	92	222049	24.14	ug/l	96
53) t-1,3-Dichloropropene	8.45	75	124655	22.66	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	105431	21.00	ug/l #	87
55) 1,1,2-Trichloroethane	9.22	97	83996	21.86	ug/l	97
56) Ethyl methacrylate	9.19	69	114939	21.12	ug/l #	84
57) 1,3-Dichloropropane	9.38	76	131369	21.28	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	323980	118.75	ug/l	96
59) 2-Hexanone	9.50	43	437377	105.31	ug/l	88
60) Dibromochloromethane	9.59	129	78378	20.53	ug/l	100
61) 1,2-Dibromoethane	9.68	107	83948	21.19	ug/l	100
64) Tetrachloroethene	9.34	164	102696	21.64	ug/l	99
65) Chlorobenzene	10.14	112	221815	20.70	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	79316	20.82	ug/l	100
67) Ethyl Benzene	10.26	91	361638	20.65	ug/l	100
68) m/p-Xylenes	10.36	106	284084	41.93	ug/l	95
69) o-Xylene	10.70	106	136745	21.01	ug/l	96
70) Styrene	10.71	104	225773	21.08	ug/l	97
71) Bromoform	10.86	173	62271	20.32	ug/l #	99
73) Isopropylbenzene	11.02	105	393848	22.73	ug/l	100
74) N-amyl acetate	6.48	43	170178	20.43	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	136224	23.82	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	151607	30.95	ug/l	79
77) Bromobenzene	11.26	156	111179	22.60	ug/l	95
78) n-propylbenzene	11.37	91	460750	23.81	ug/l	99
79) 2-Chlorotoluene	11.43	91	281075	23.69	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	318561	22.51	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	32311	21.43	ug/l	90
82) 4-Chlorotoluene	11.51	91	299809	21.66	ug/l	99
83) tert-Butylbenzene	11.77	119	320165	23.15	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	340876	23.45	ug/l	100
85) sec-Butylbenzene	11.95	105	393791	23.47	ug/l	100
86) p-Isopropyltoluene	12.07	119	342123	22.91	ug/l	96
87) 1,3-Dichlorobenzene	12.03	146	202862	22.53	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	190368	20.82	ug/l	98
89) n-Butylbenzene	12.39	91	289751	22.77	ug/l	99
90) Hexachloroethane	12.60	117	50235	22.20	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	211601	23.39	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	28279	23.77	ug/l	92

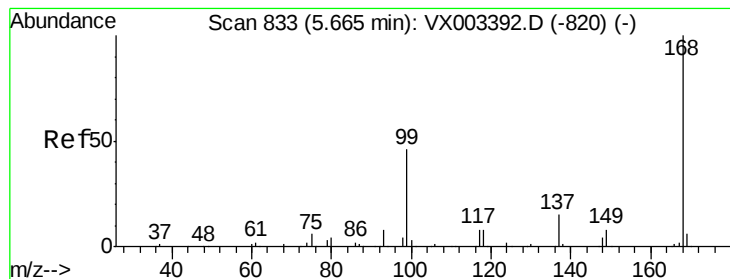
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071618\
Data File : VX003399.D
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Quant Time: Jul 17 01:57:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 13:15:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	140372	22.68	ug/l	95
94) Hexachlorobutadiene	13.79	225	68058	22.84	ug/l	99
95) Naphthalene	13.84	128	434760	24.51	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	155963	24.50	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

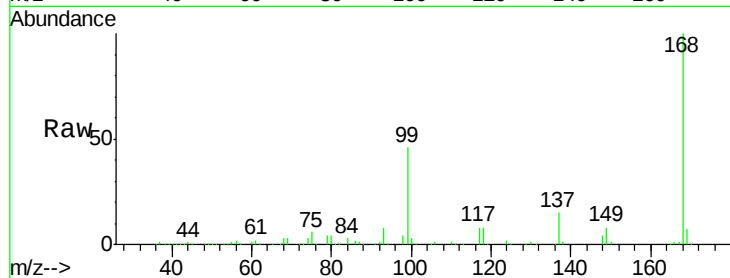
VX0716WBS01

Tot Ion:168 Resp: 341628

Ion Ratio Lower Upper

168 100

99 46.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

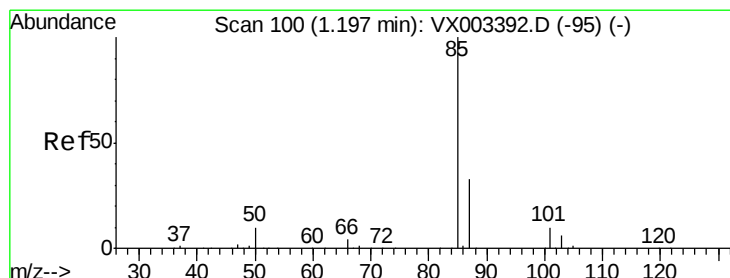
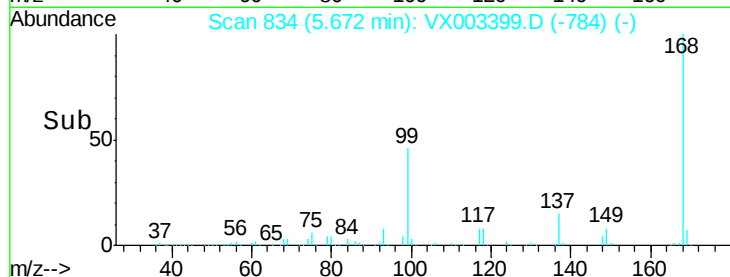
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.73 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003399.D

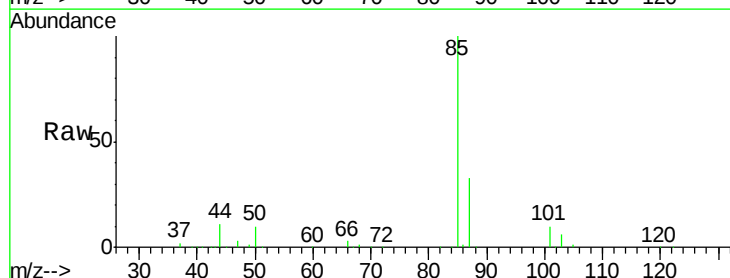
Acq: 16 Jul 2018 19:38

Tgt Ion: 85 Resp: 79920

Ion Ratio Lower Upper

85 100

87 33.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

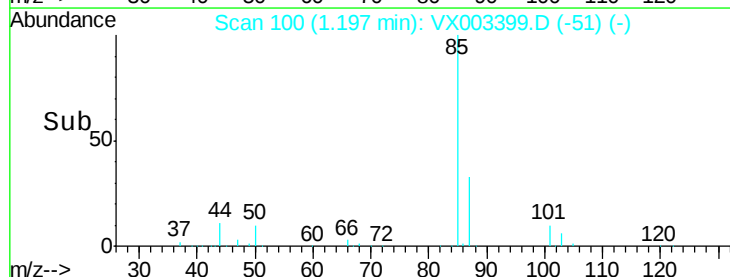
60000

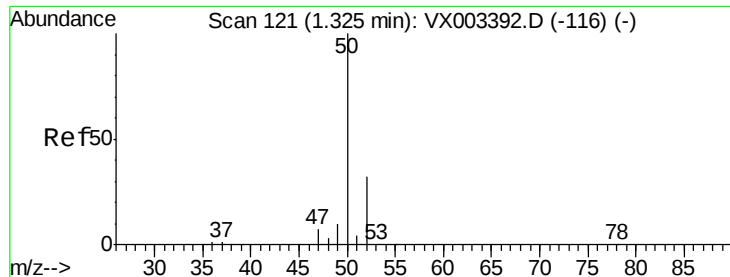
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.40 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

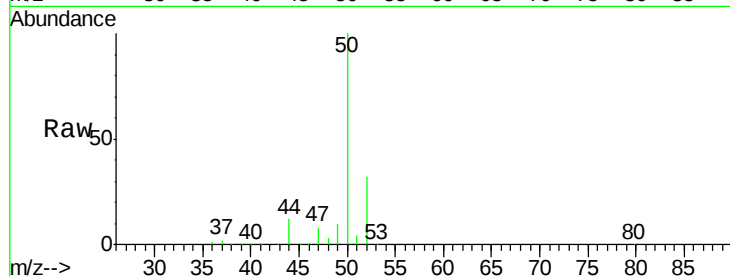
VX0716WBS01

Tot Ion: 50 Resp: 80968

Ion Ratio Lower Upper

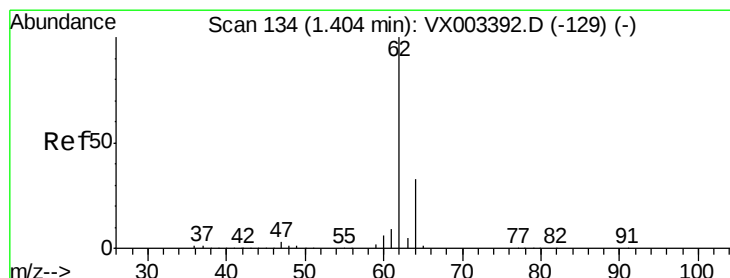
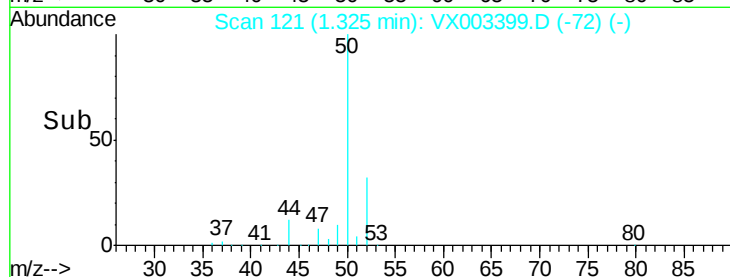
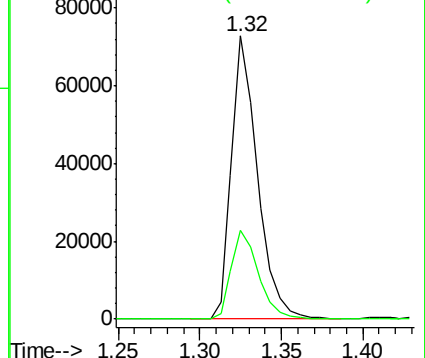
50 100

52 31.5 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: 19.71 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003399.D

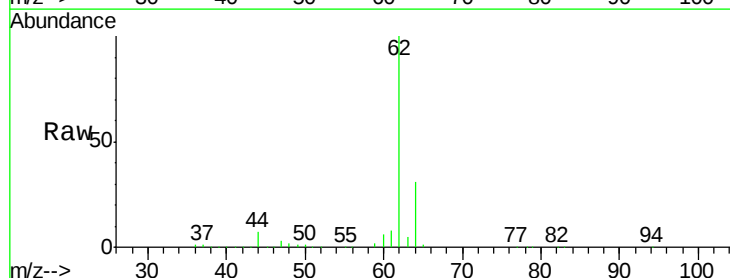
Acq: 16 Jul 2018 19:38

Tgt Ion: 62 Resp: 89617

Ion Ratio Lower Upper

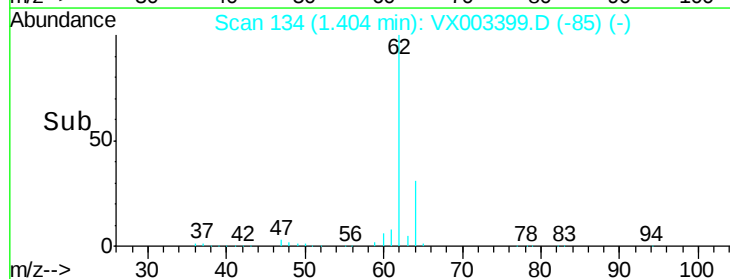
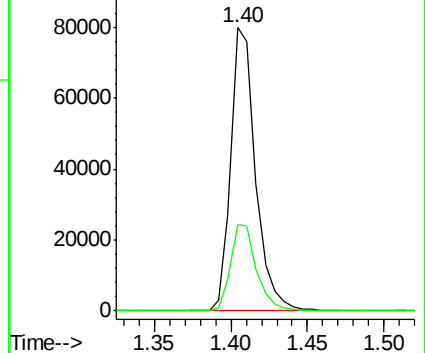
62 100

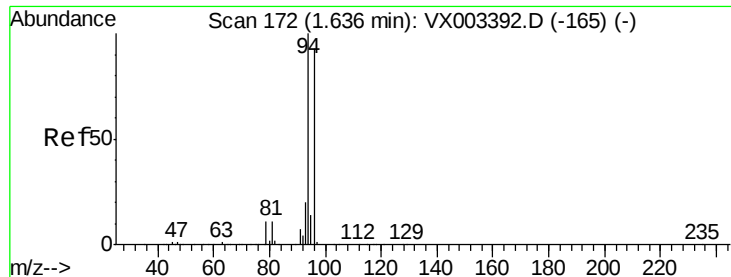
64 30.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 25.63 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

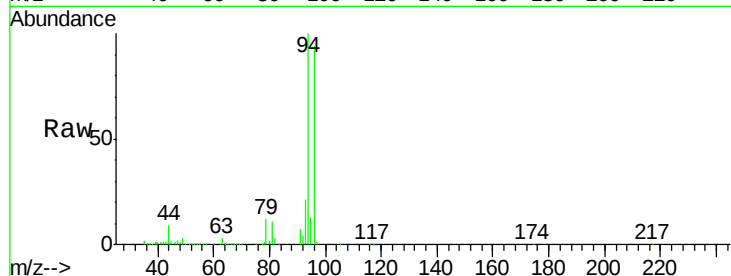
VX0716WBS01

Tot Ion: 94 Resp: 43893

Ion Ratio Lower Upper

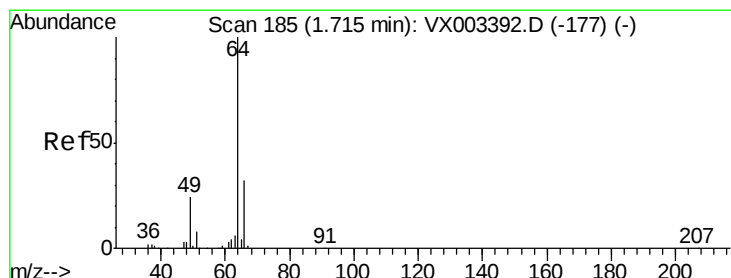
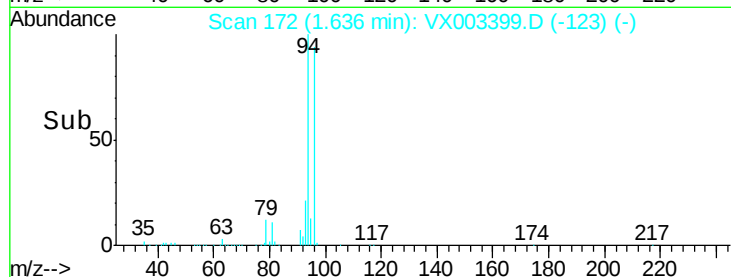
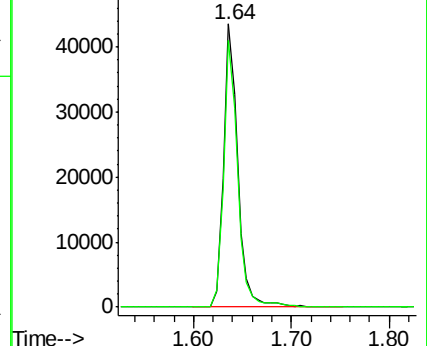
94 100

96 94.4 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: 20.25 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003399.D

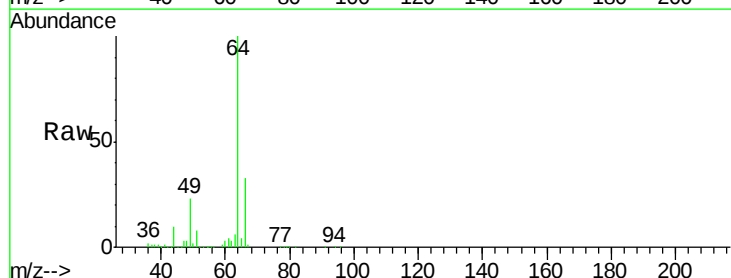
Acq: 16 Jul 2018 19:38

Tgt Ion: 64 Resp: 54459

Ion Ratio Lower Upper

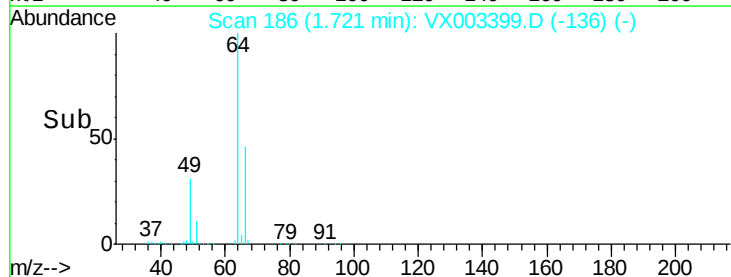
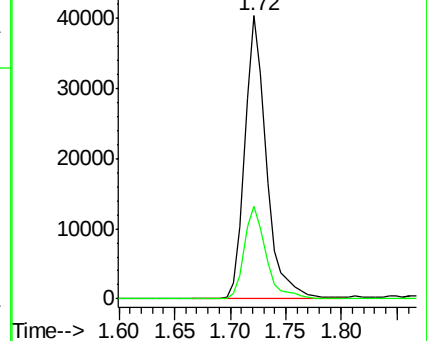
64 100

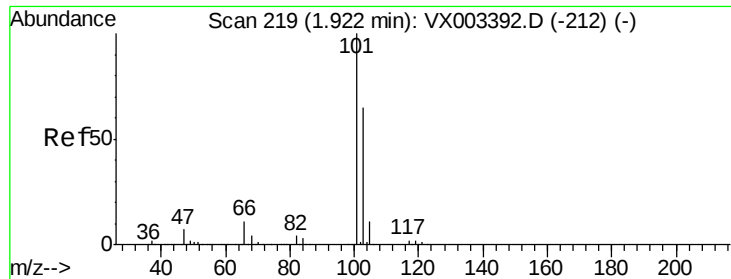
66 32.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



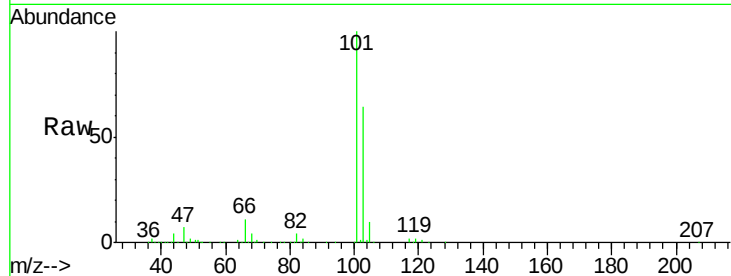


#7

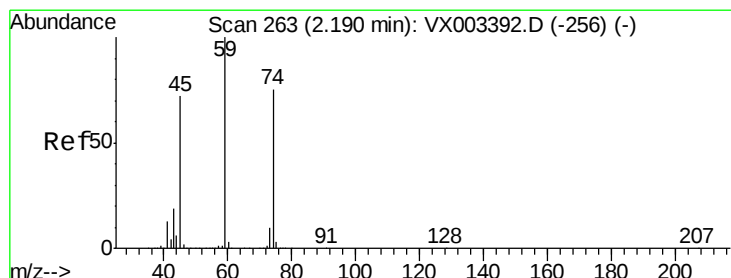
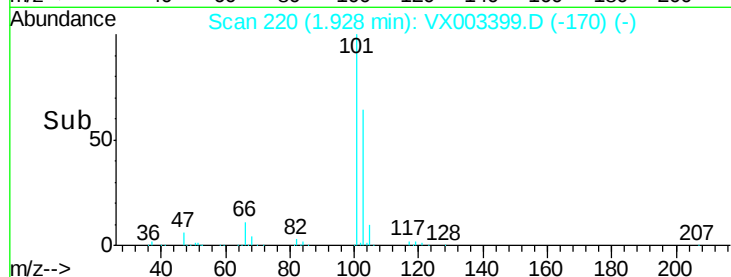
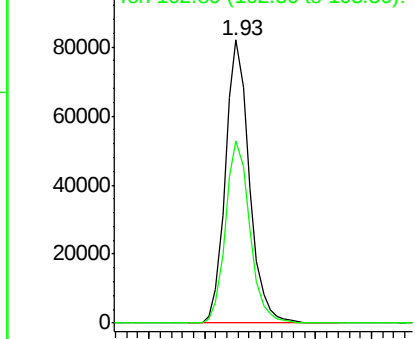
Trichlorofluoromethane
 Concen: 20.24 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion:101 Resp: 122084
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.8 79.2



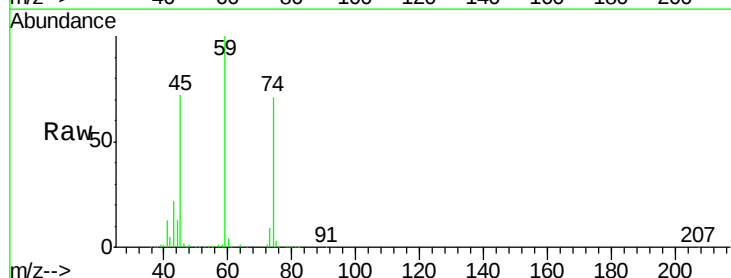
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



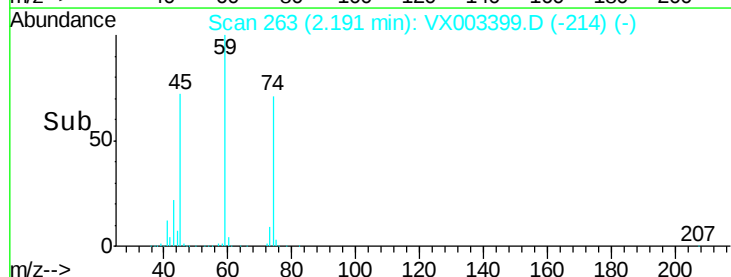
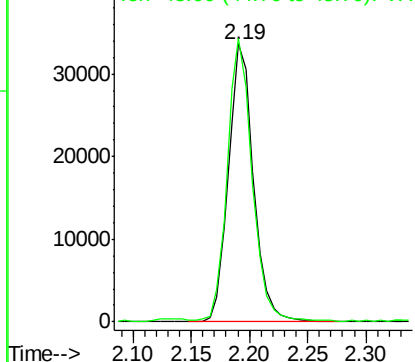
#8

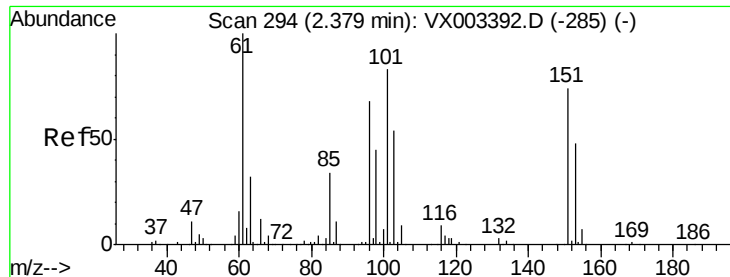
Diethyl Ether
 Concen: 19.49 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion: 74 Resp: 50300
 Ion Ratio Lower Upper
 74 100
 45 100.2 53.1 159.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.67 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

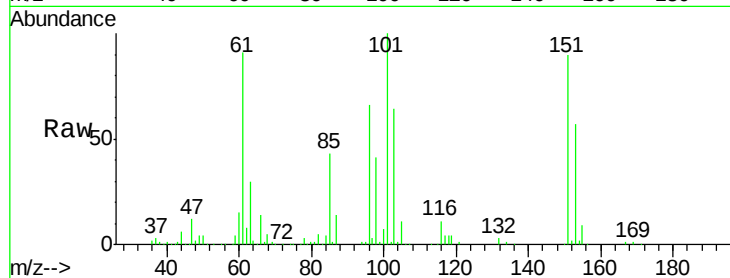
Tot Ion:101 Resp: 74939

Ion Ratio Lower Upper

101 100

85 42.2 36.0 54.0

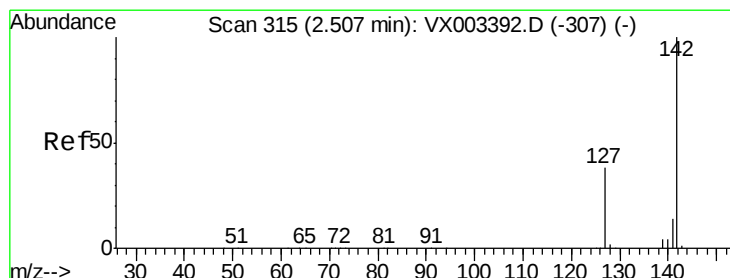
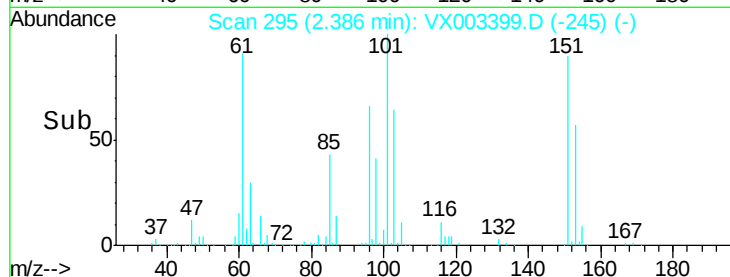
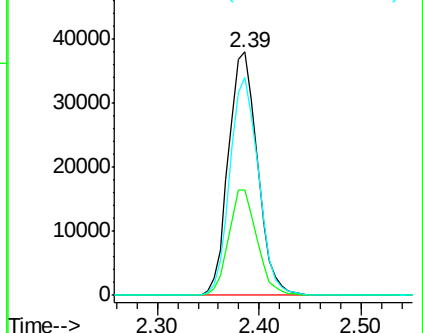
151 87.9 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.88 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

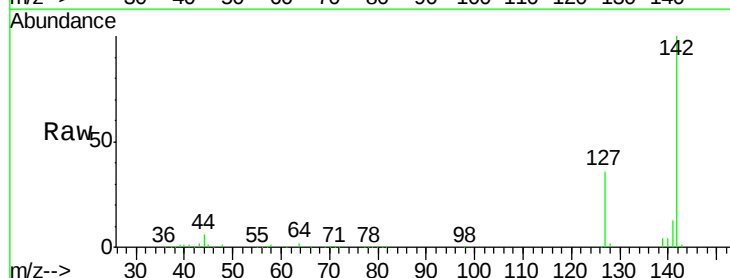
Tgt Ion:142 Resp: 64733

Ion Ratio Lower Upper

142 100

127 38.5 36.6 55.0

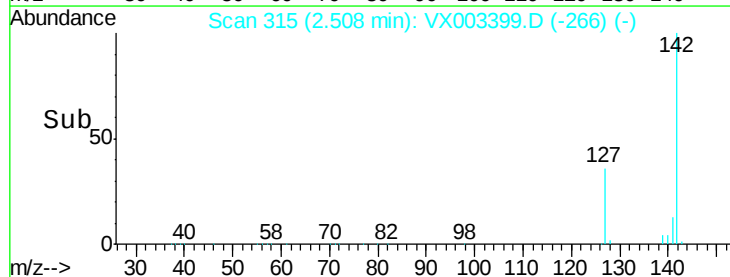
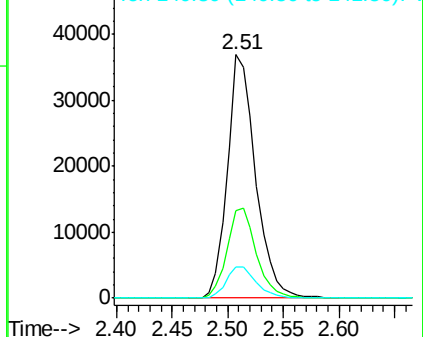
141 13.7 11.3 16.9

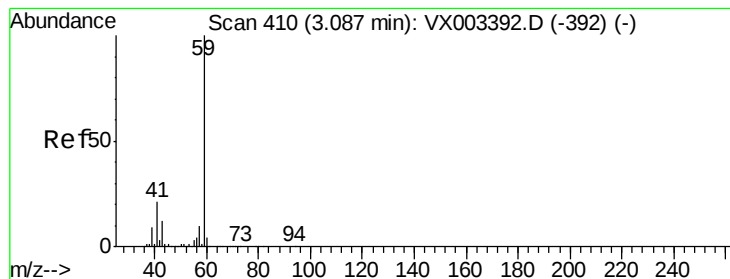


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



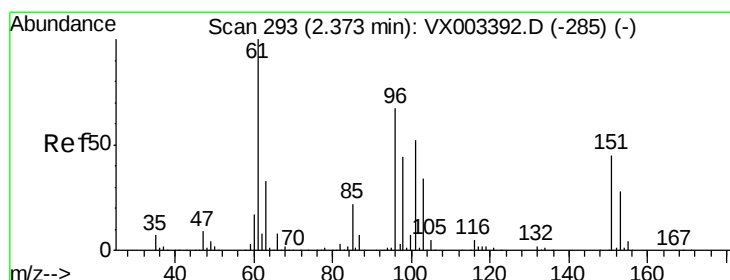
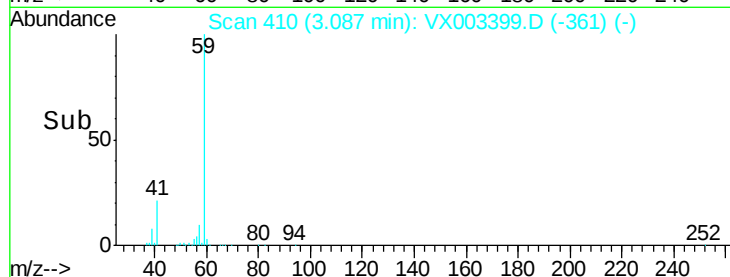
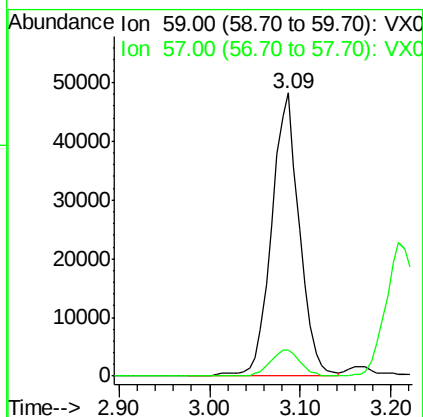
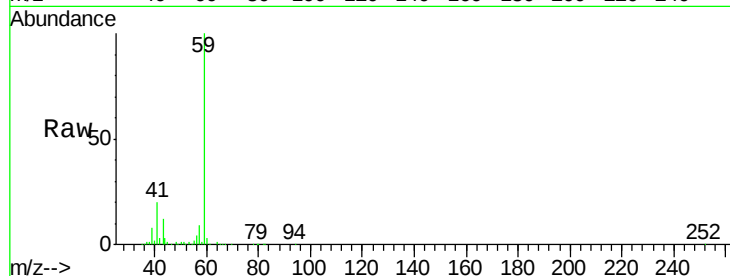


#11

Tert butyl alcohol
 Concen: 101.75 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Instrument :
 MSVOA_X
 ClientSampled :
 VX0716WBS01

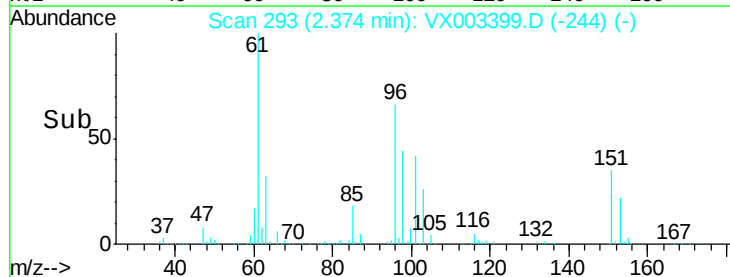
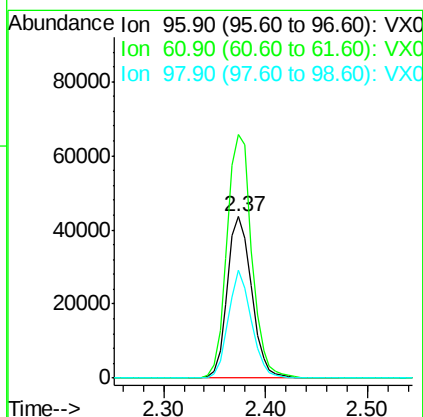
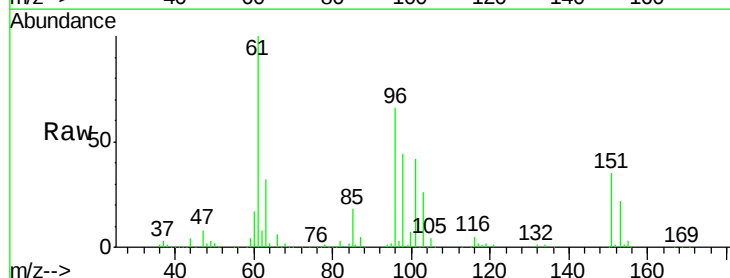
Tot Ion: 59 Resp: 102378
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.2

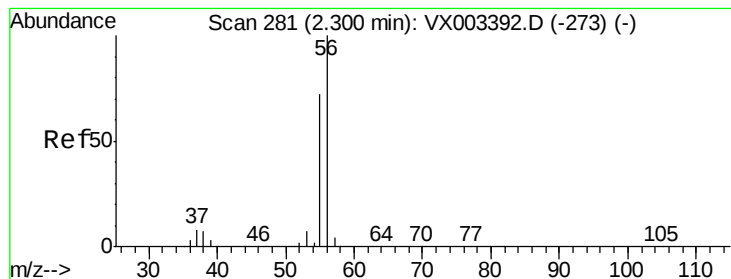


#12

1,1-Dichloroethene
 Concen: 19.95 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion: 96 Resp: 71851
 Ion Ratio Lower Upper
 96 100
 61 150.7 137.9 206.9
 98 66.9 51.6 77.4





#13

Acrolein

Concen: 90.22 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

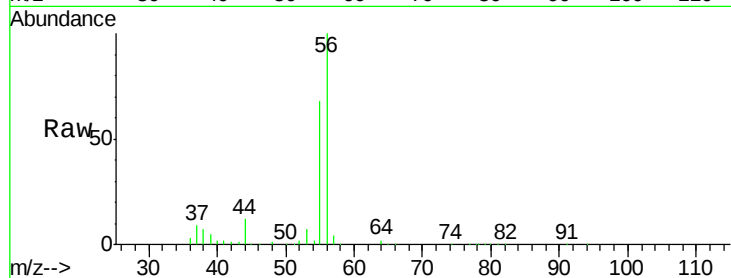
VX0716WBS01

Tot Ion: 56 Resp: 43543

Ion Ratio Lower Upper

56 100

55 73.3 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

30000

25000

20000

15000

10000

5000

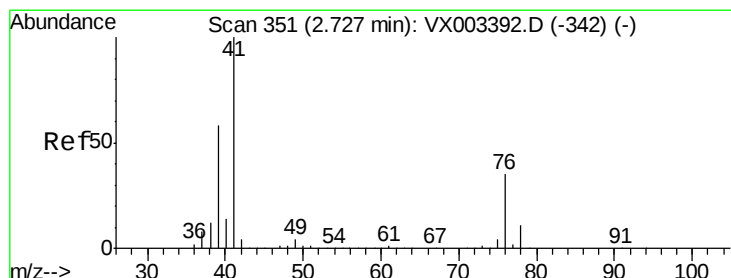
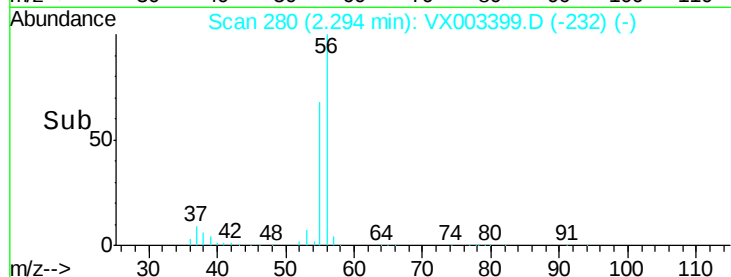
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 19.51 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

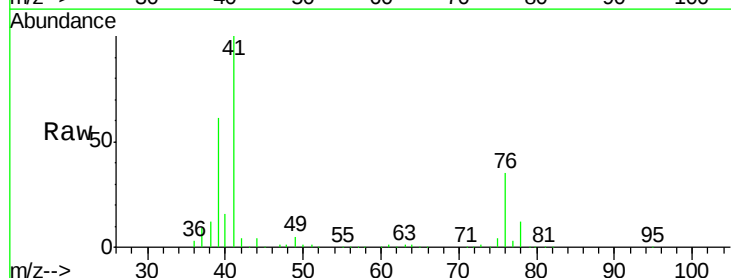
Tgt Ion: 41 Resp: 127417

Ion Ratio Lower Upper

41 100

39 58.0 56.8 85.2

76 33.0 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

60000

40000

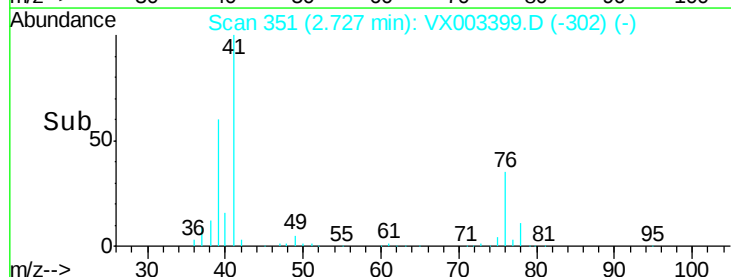
20000

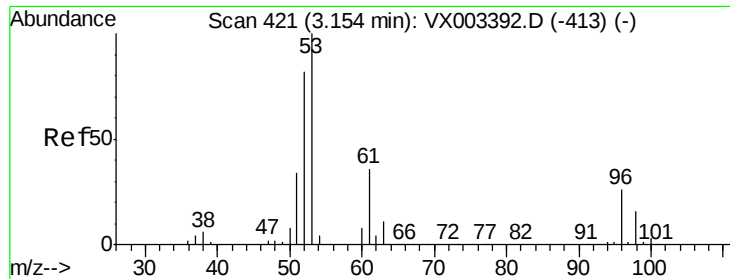
0

Time-->

2.70

2.80





#15

Acrylonitrile

Concen: 99.47 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

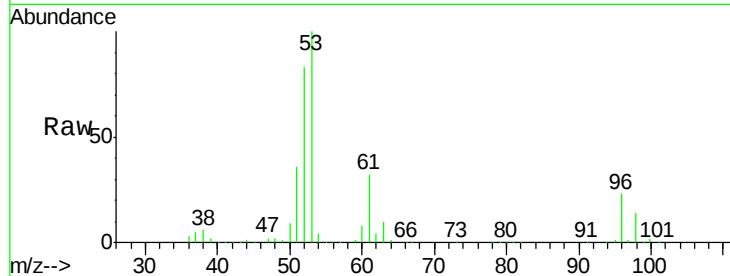
Tot Ion: 53 Resp: 229285

Ion Ratio Lower Upper

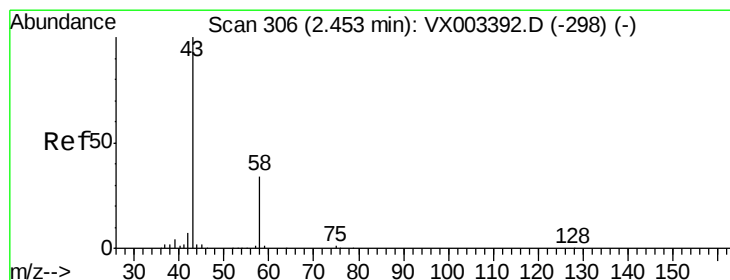
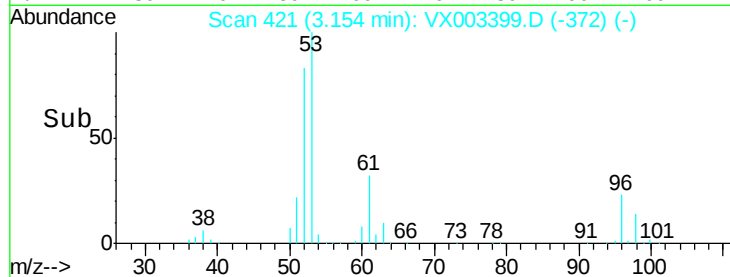
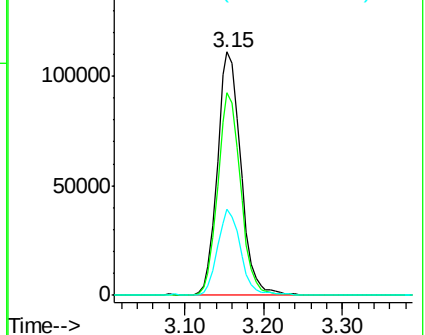
53 100

52 81.2 66.7 100.1

51 35.0 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: 99.83 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX003399.D

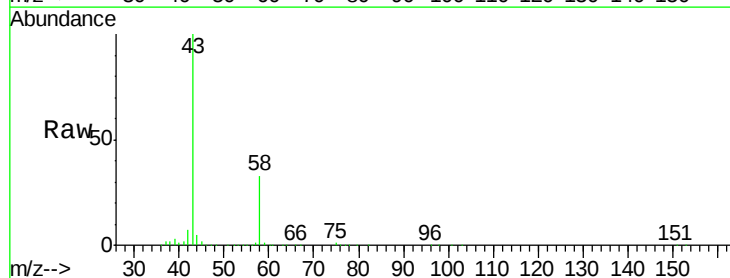
Acq: 16 Jul 2018 19:38

Tgt Ion: 43 Resp: 185770

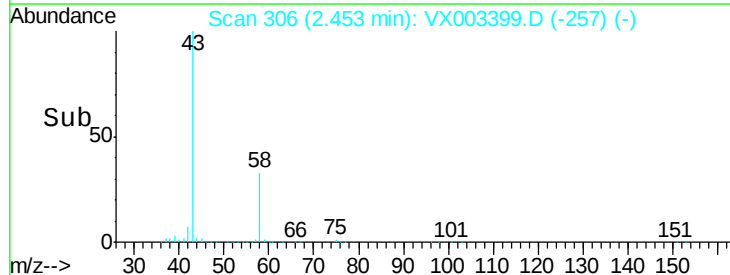
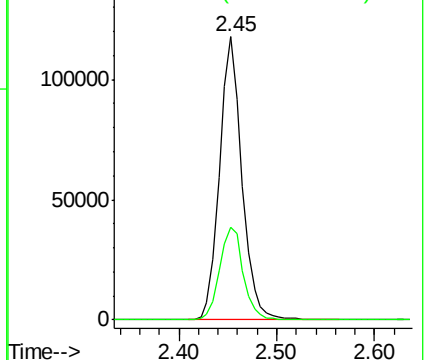
Ion Ratio Lower Upper

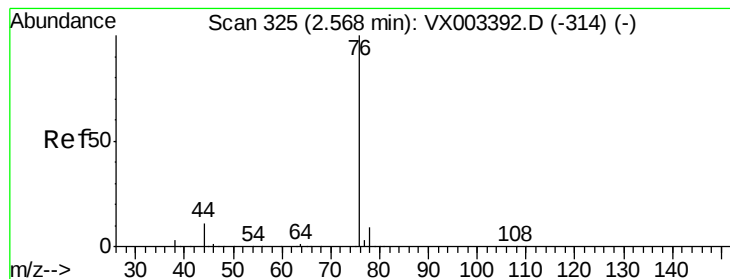
43 100

58 32.6 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: 18.71 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

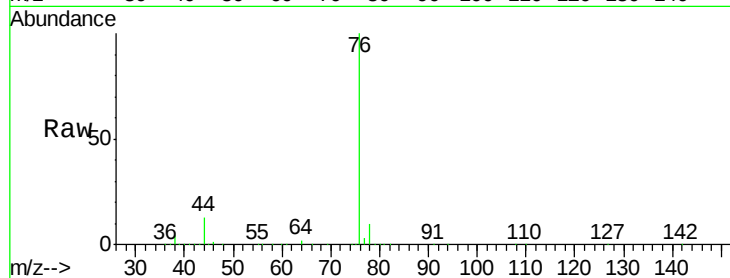
VX0716WBS01

Tot Ion: 76 Resp: 184908

Ion Ratio Lower Upper

76 100

78 9.6 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

120000

100000

80000

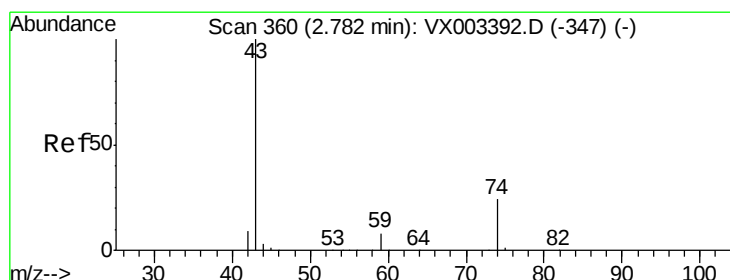
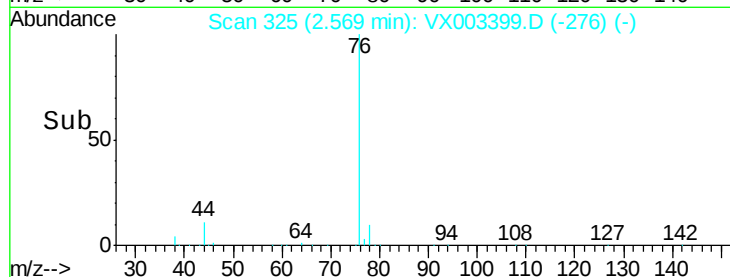
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 22.27 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003399.D

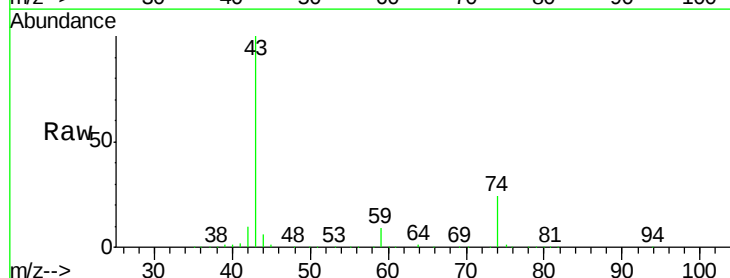
Acq: 16 Jul 2018 19:38

Tgt Ion: 43 Resp: 134998

Ion Ratio Lower Upper

43 100

74 23.6 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

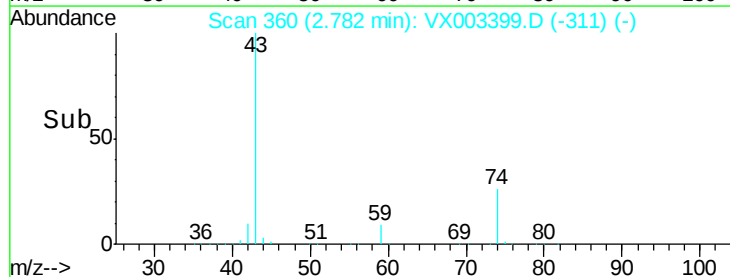
60000

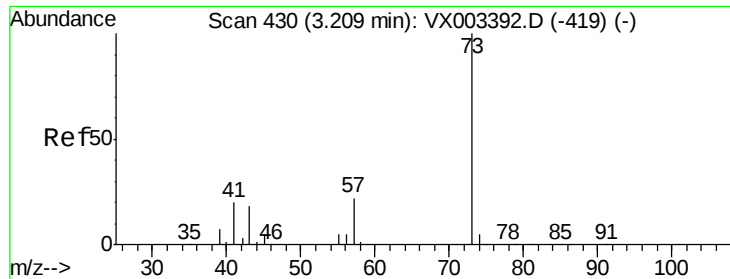
40000

20000

0

Time-->

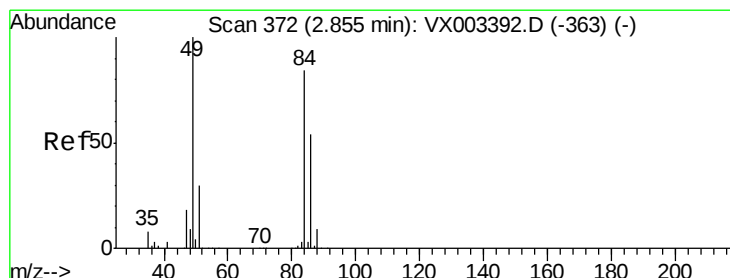
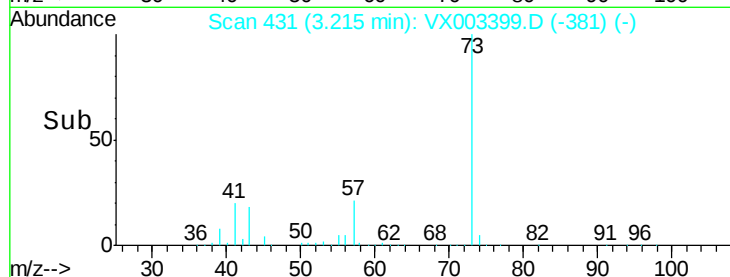
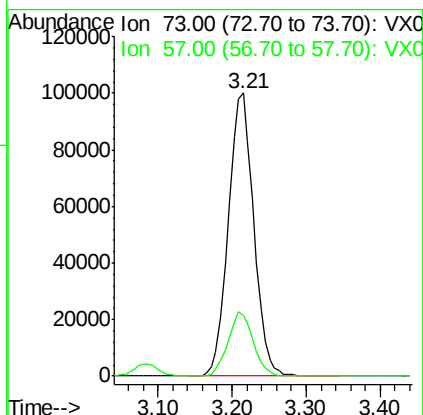
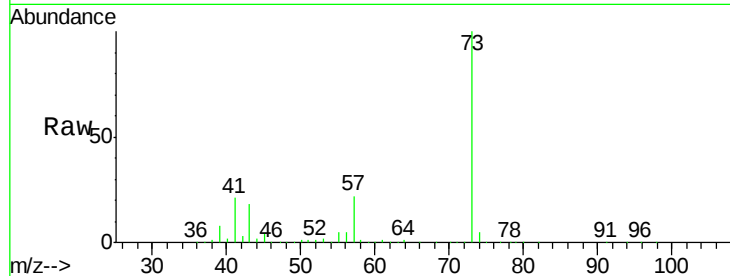




#19
Methvl tert-butvl Ether
Concen: 19.96 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

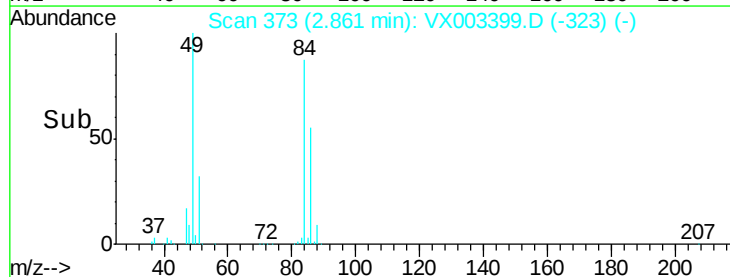
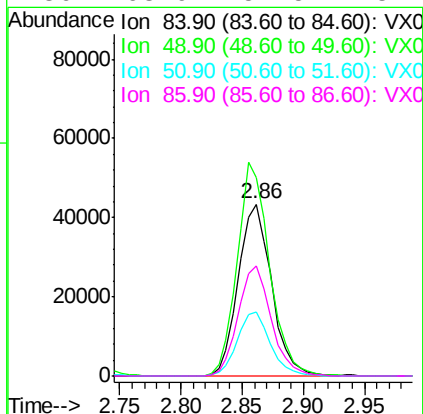
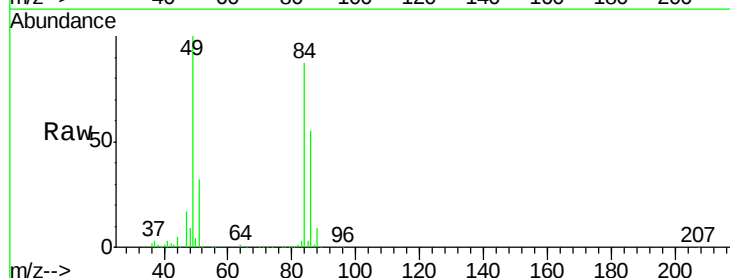
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

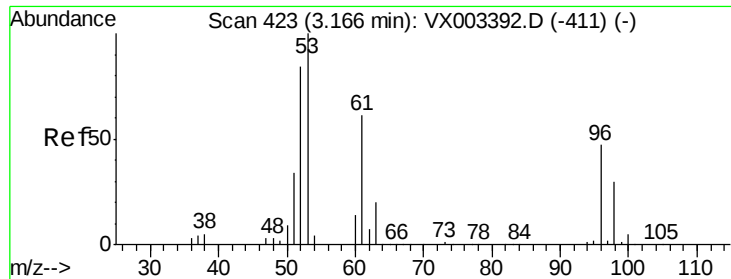
Tot Ion: 73 Resp: 238686
Ion Ratio Lower Upper
73 100
57 21.6 17.7 26.5



#20
Methylene Chloride
Concen: 24.13 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion: 84 Resp: 82348
Ion Ratio Lower Upper
84 100
49 115.5 107.8 161.6
51 37.3 32.8 49.2
86 63.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.34 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

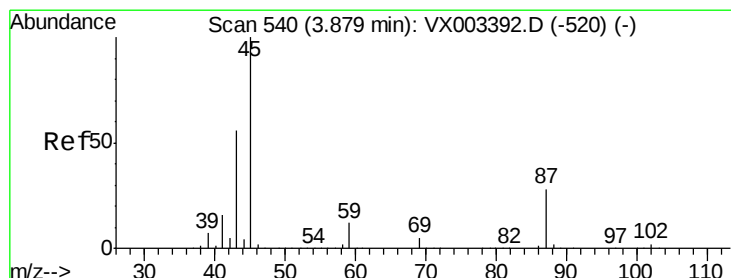
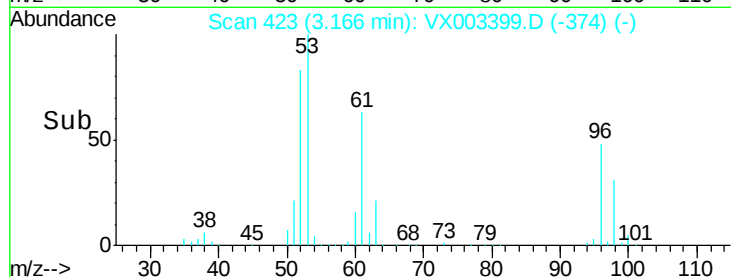
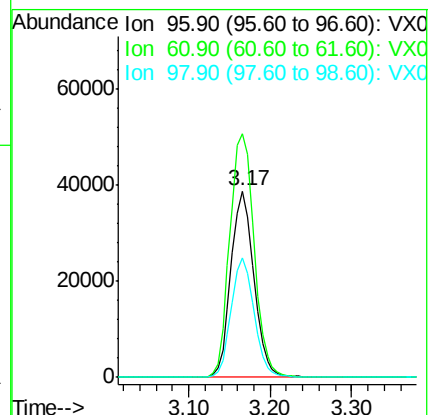
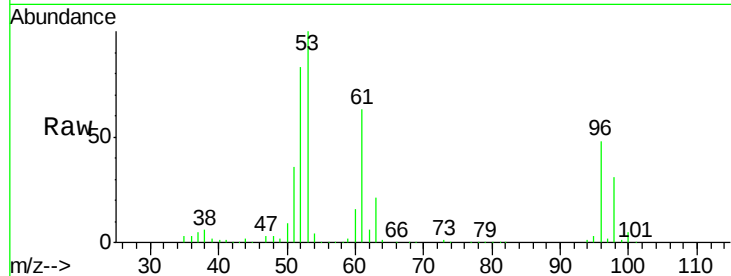
Tot Ion: 96 Resp: 75239

Ion Ratio Lower Upper

96 100

61 130.5 117.0 175.4

98 63.9 52.4 78.6



#22

Diisopropyl ether

Concen: 19.71 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Tgt Ion: 45 Resp: 249713

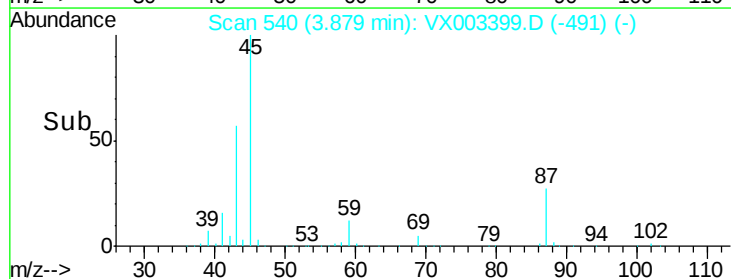
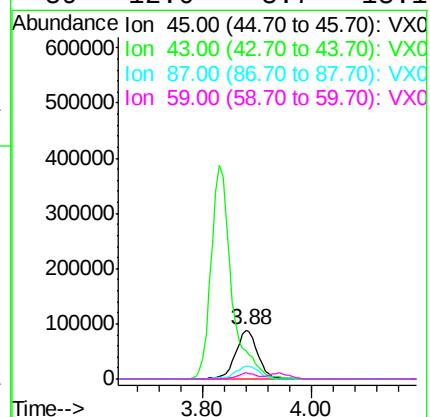
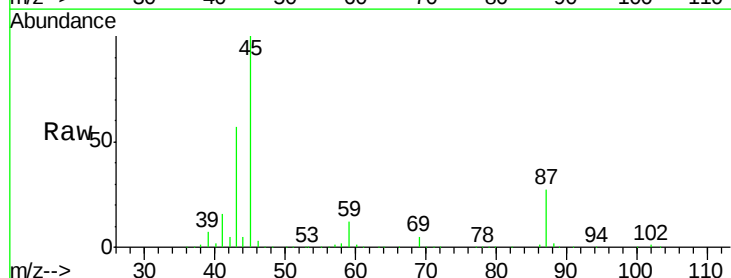
Ion Ratio Lower Upper

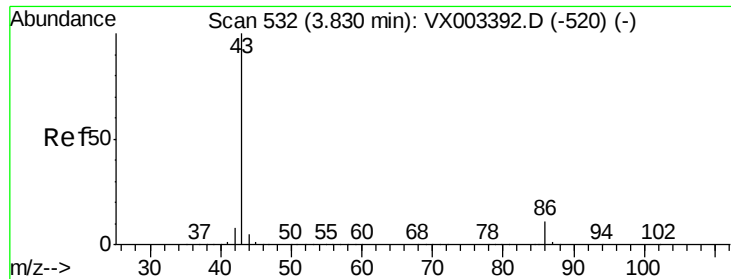
45 100

43 57.0 46.8 70.2

87 26.9 20.2 30.4

59 12.0 8.7 13.1





#23

Vinyl Acetate

Concen: 96.76 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

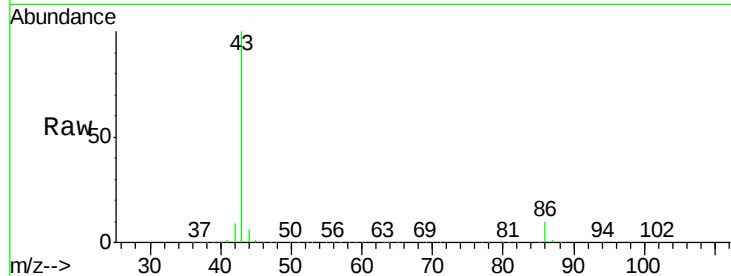
VX0716WBS01

Tot Ion: 43 Resp: 1011112

Ion Ratio Lower Upper

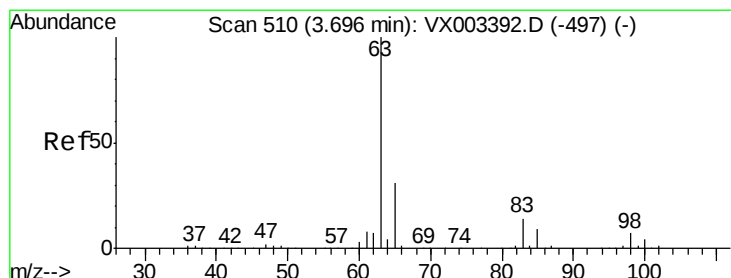
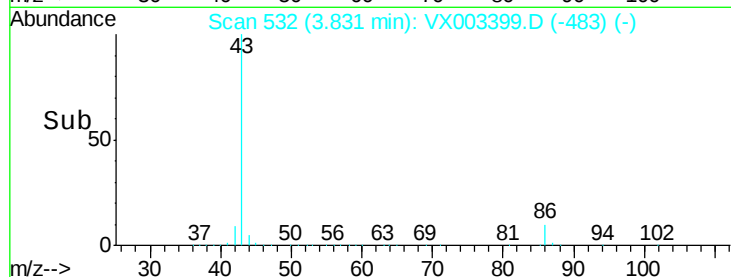
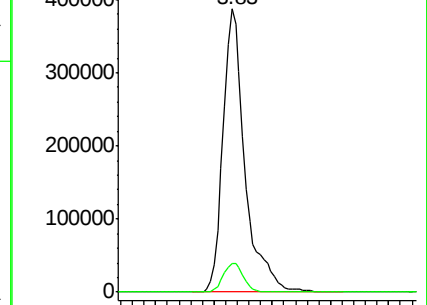
43 100

86 10.1 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.85 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

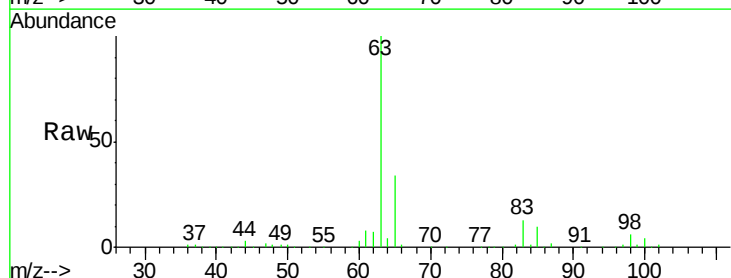
Tgt Ion: 63 Resp: 142683

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

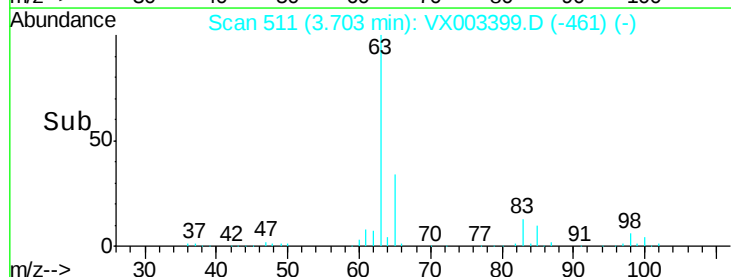
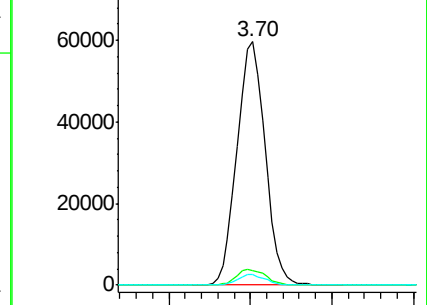
100 4.5 2.0 6.0

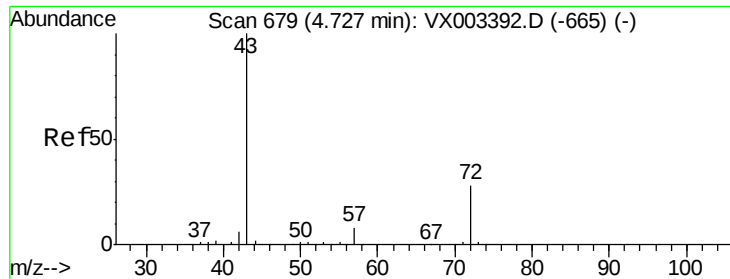


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 102.02 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

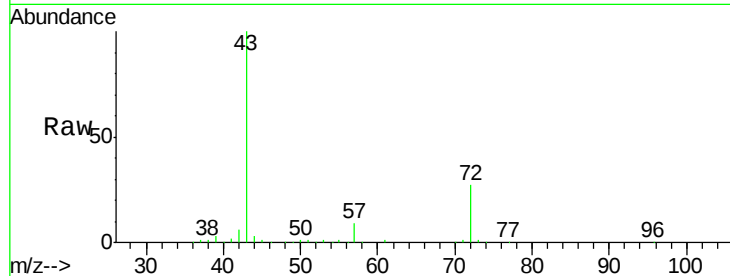
VX0716WBS01

Tot Ion: 43 Resp: 297116

Ion Ratio Lower Upper

43 100

72 27.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

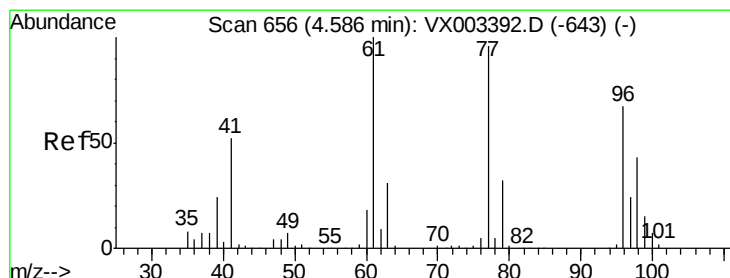
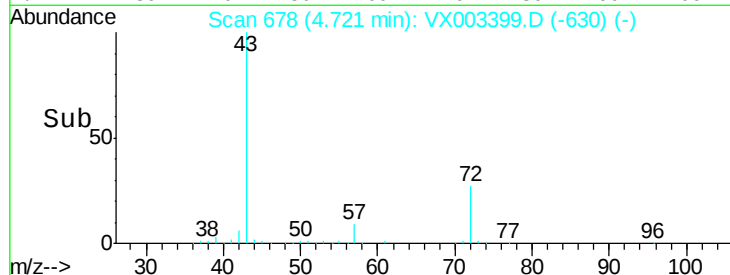
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 16.19 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003399.D

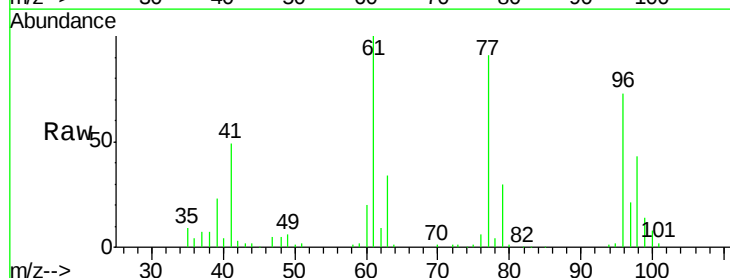
Acq: 16 Jul 2018 19:38

Tgt Ion: 77 Resp: 81705

Ion Ratio Lower Upper

77 100

97 25.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

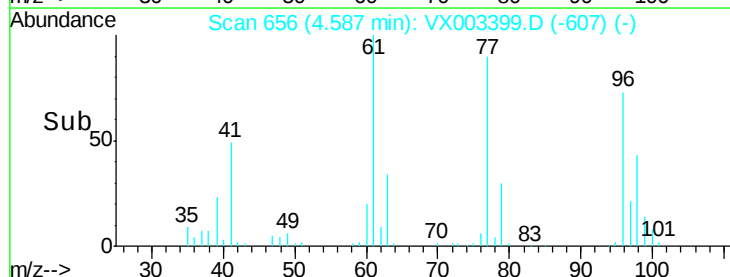
10000

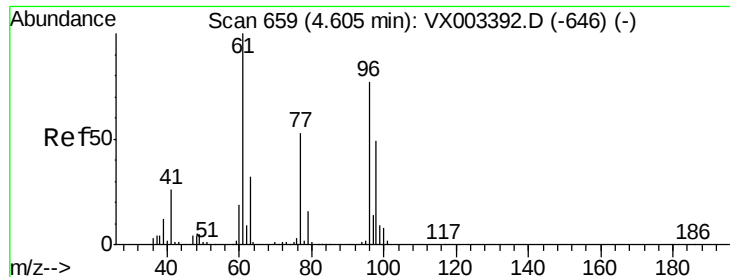
5000

0

4.40 4.50 4.60 4.70

Time-->



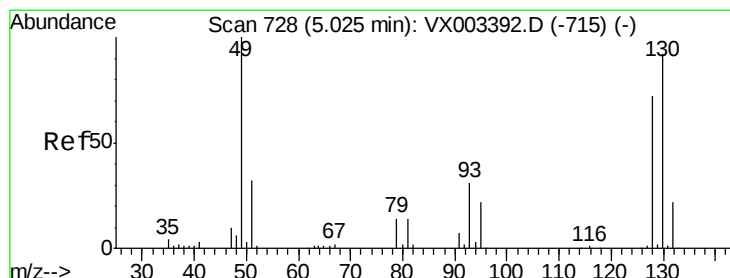
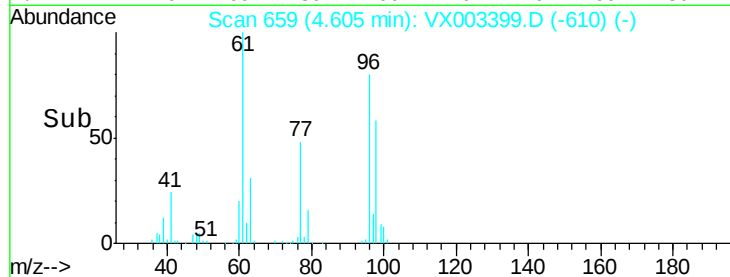
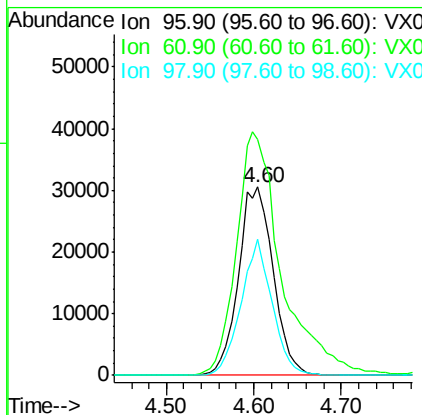
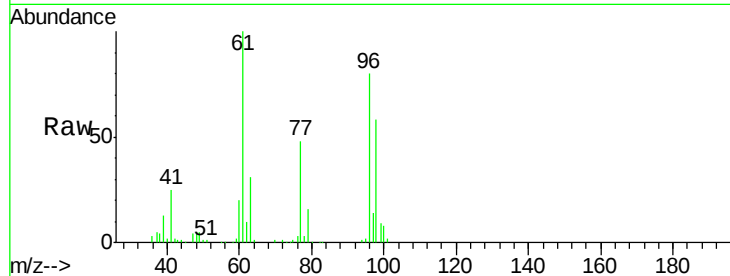


#27

cis-1,2-Dichloroethene
Concen: 20.19 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

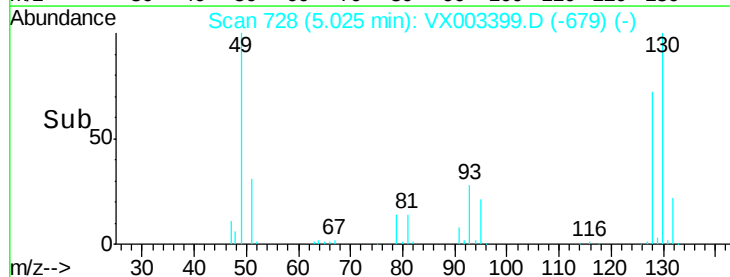
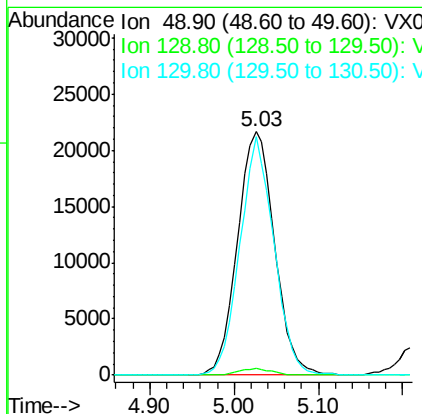
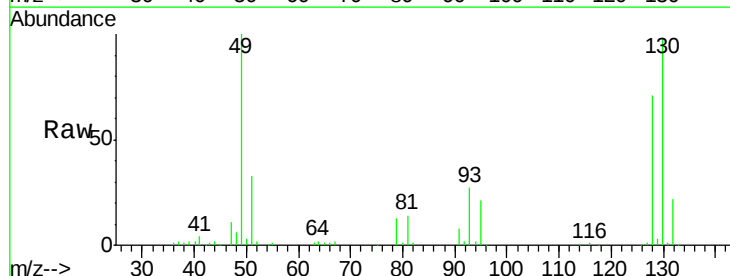
Tot Ion: 96 Resp: 84486
Ion Ratio Lower Upper
96 100
61 168.4 0.0 330.2
98 64.6 0.0 130.2

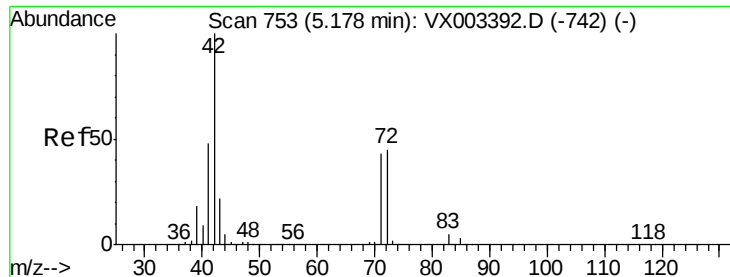


#28

Bromochloromethane
Concen: 20.69 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion: 49 Resp: 64566
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.2
130 89.4 61.2 91.8





#29

Tetrahydrofuran

Concen: 103.17 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

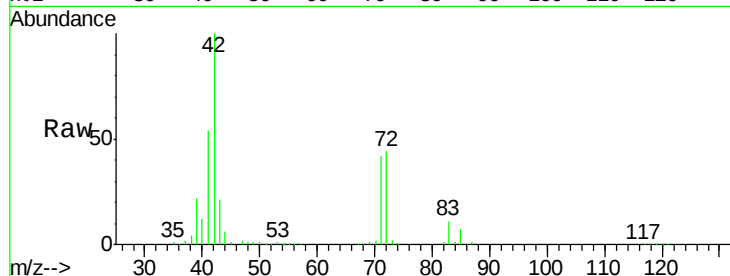
Tot Ion: 42 Resp: 190556

Ion Ratio Lower Upper

42 100

72 45.6 32.0 48.0

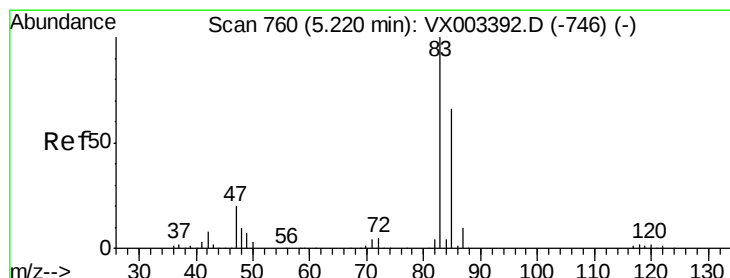
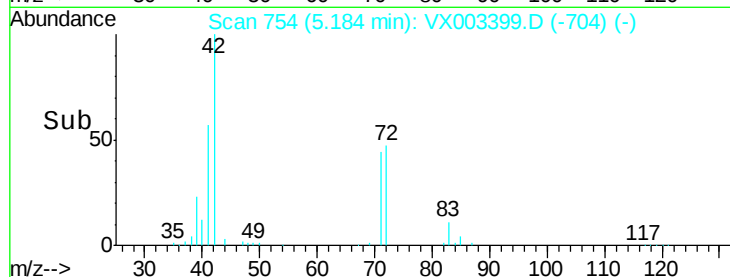
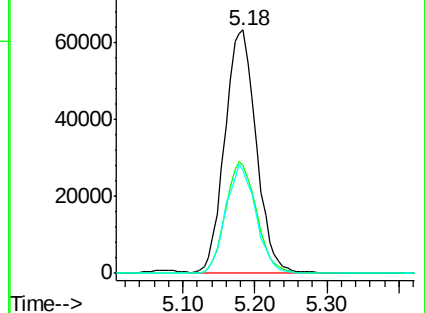
71 43.0 30.1 45.1



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: 20.50 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX003399.D

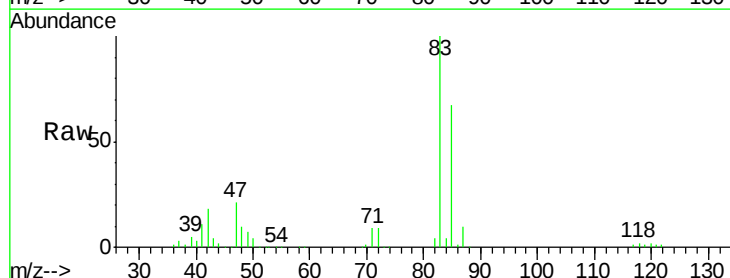
Acq: 16 Jul 2018 19:38

Tgt Ion: 83 Resp: 135819

Ion Ratio Lower Upper

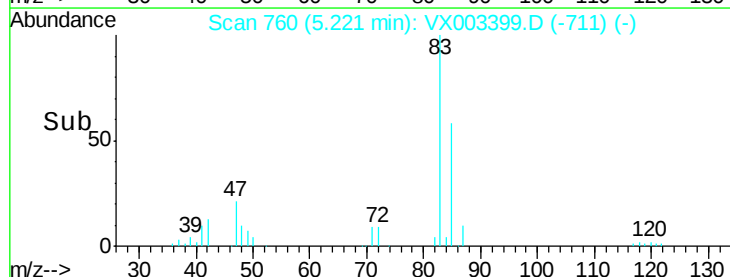
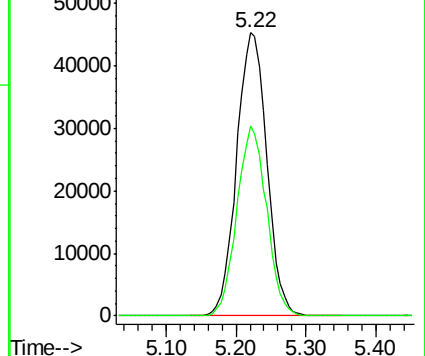
83 100

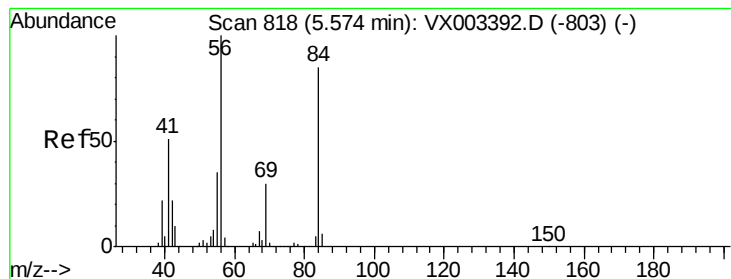
85 66.9 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cvclohexane

Concen: 20.84 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

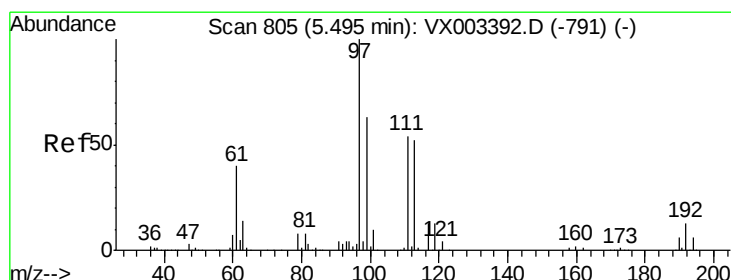
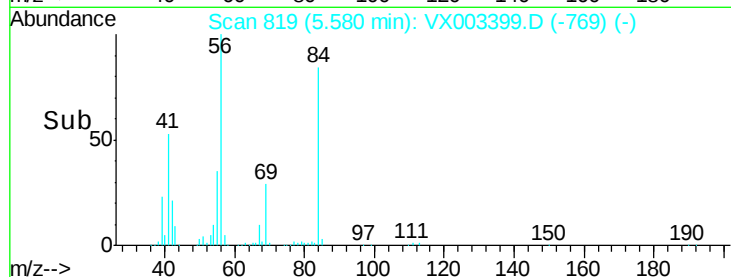
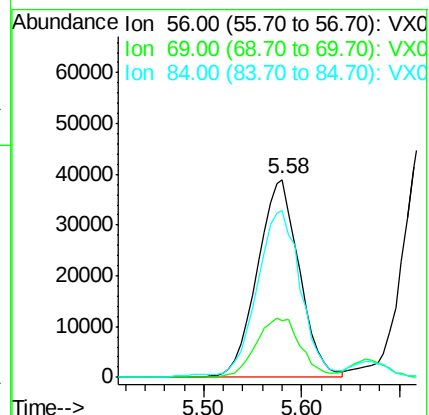
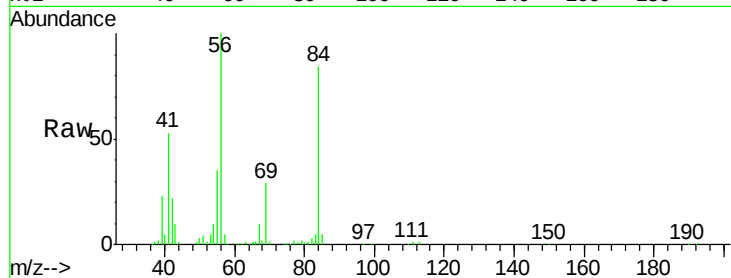
Tot Ion: 56 Resp: 115672

Ion Ratio Lower Upper

56 100

69 28.7 23.7 35.5

84 82.9 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 20.88 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

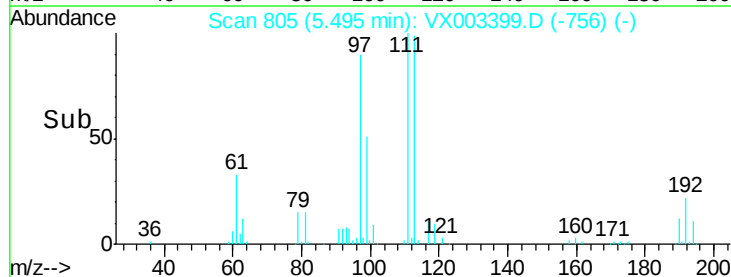
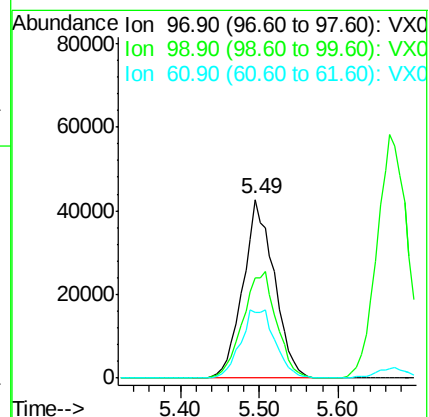
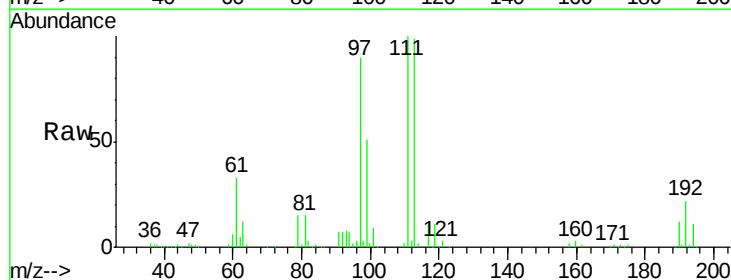
Tgt Ion: 97 Resp: 117636

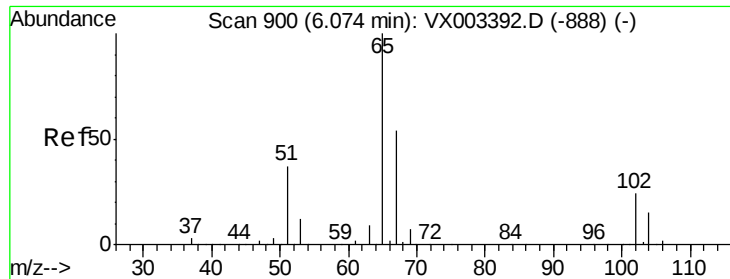
Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 42.5 36.4 54.6

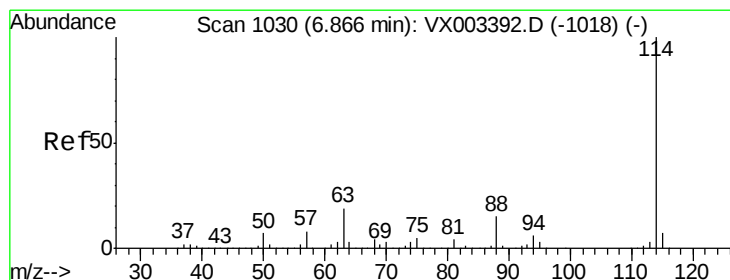
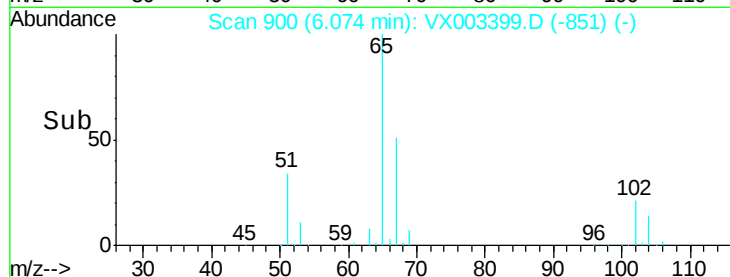
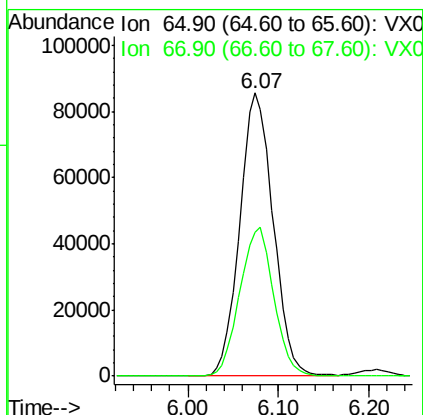
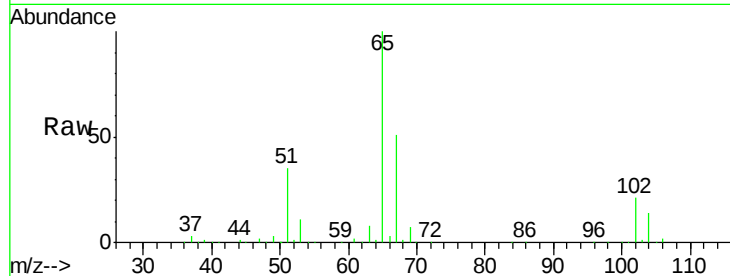




#33
 1,2-Dichloroethane-d4
 Concen: 48.78 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

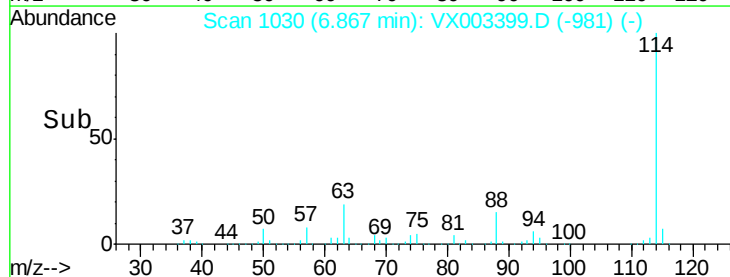
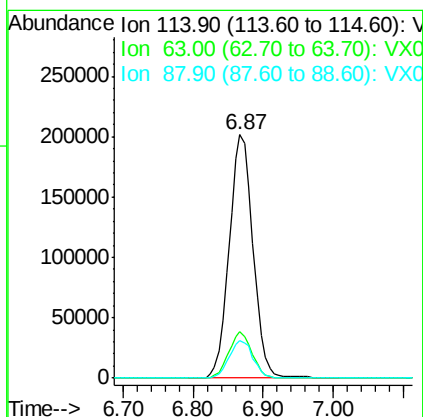
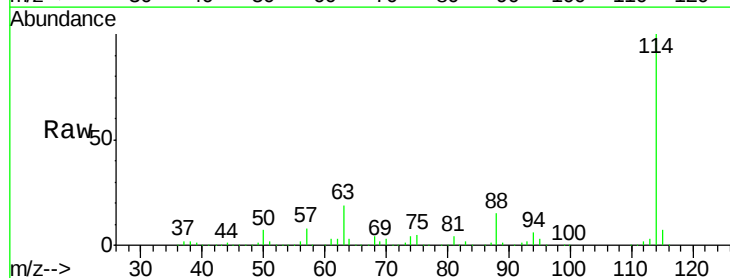
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

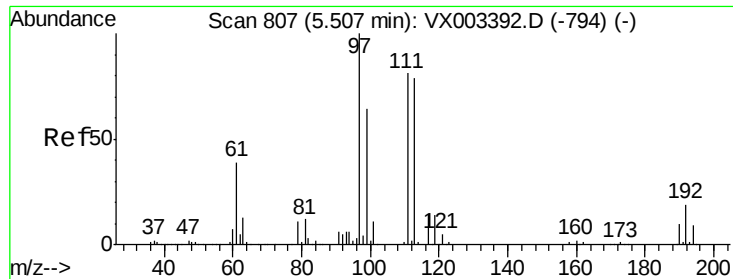
Tot Ion: 65 Resp: 218230
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion: 114 Resp: 476785
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 41.4
 88 15.4 0.0 30.0

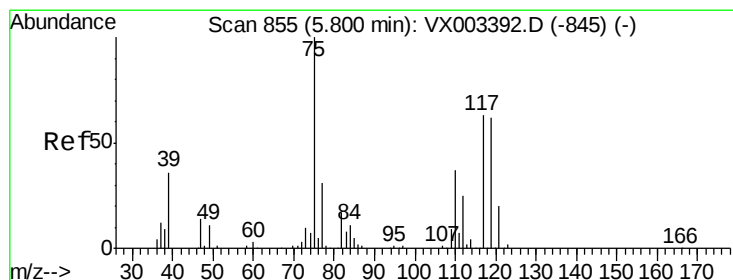
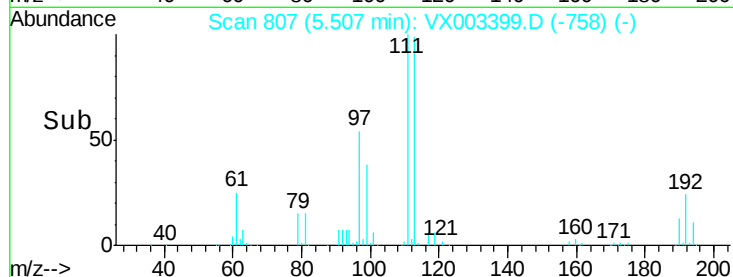
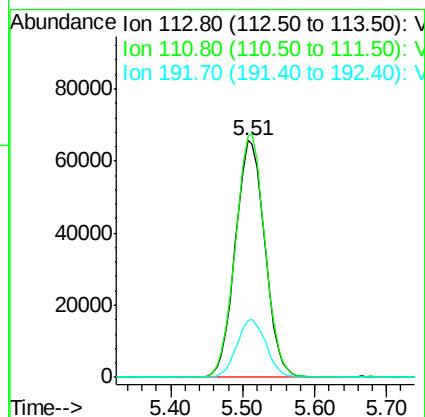
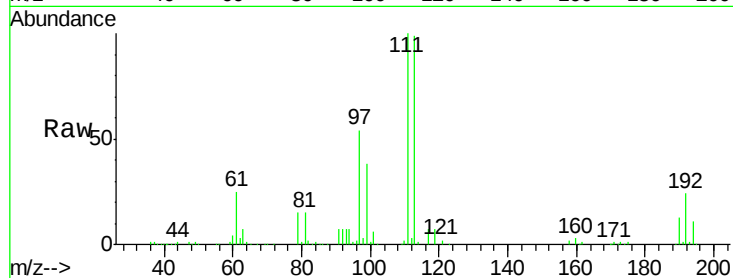




#35
 Dibromofluoromethane
 Concen: 48.69 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

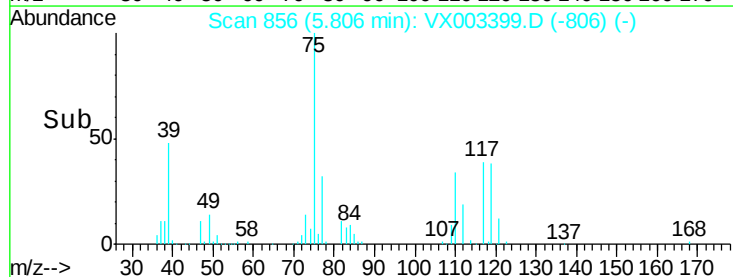
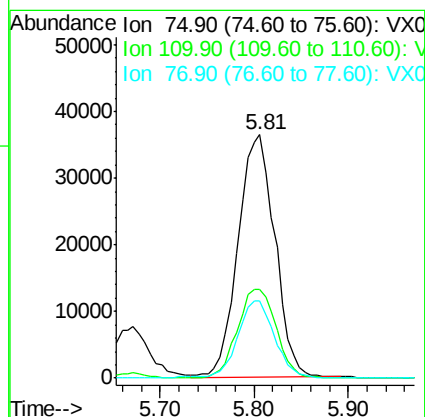
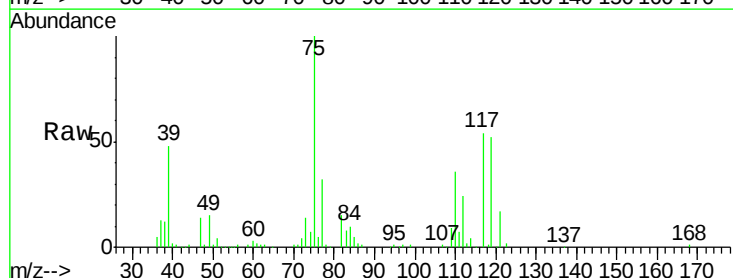
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

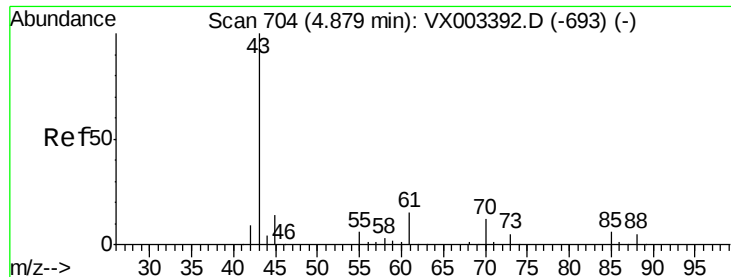
Tot Ion:113 Resp: 187819
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.0
 192 24.2 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 20.43 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion: 75 Resp: 98616
 Ion Ratio Lower Upper
 75 100
 110 38.8 18.1 54.4
 77 31.2 24.3 36.5

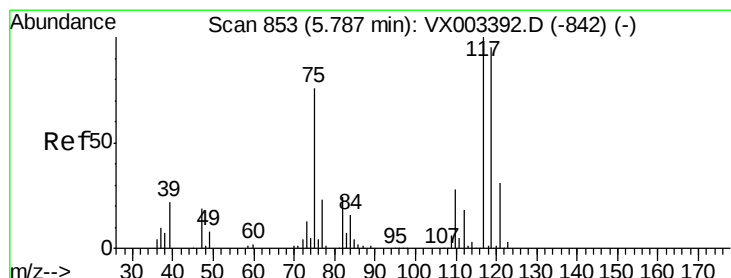
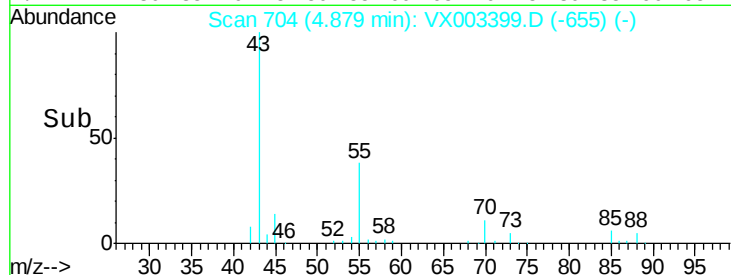
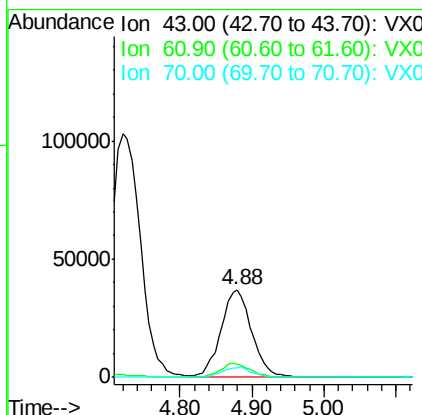
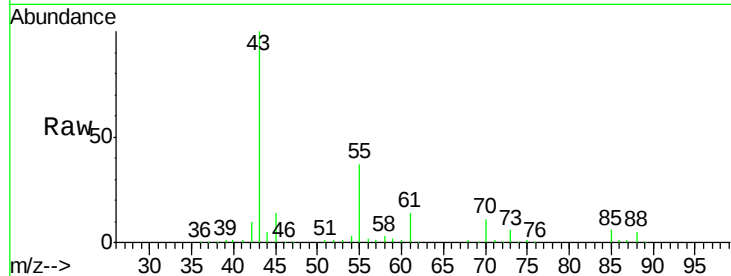




#37
Ethyl Acetate
Concen: 20.05 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

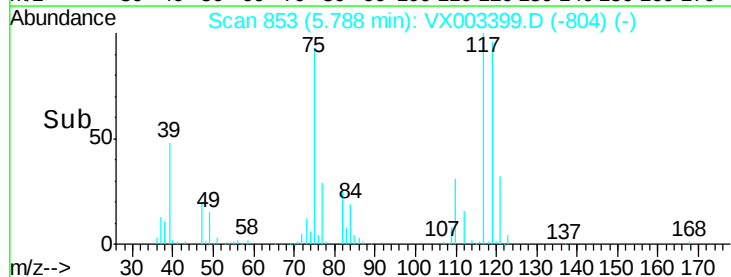
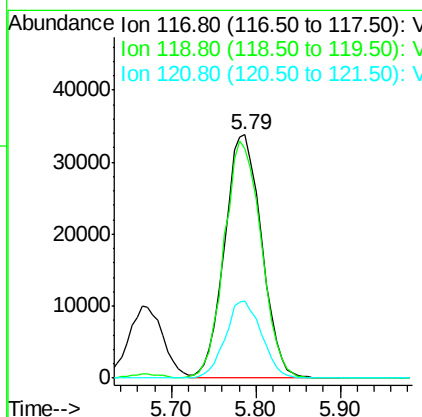
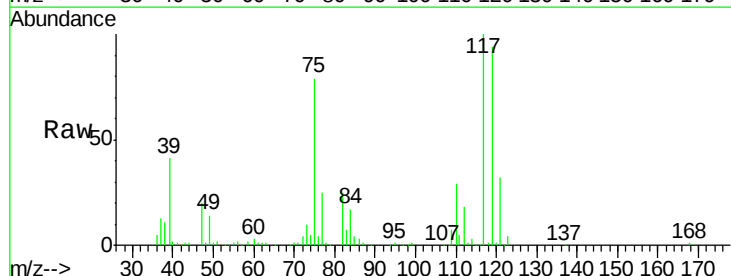
Instrument :
MSVOA_X
ClientSampled :
VX0716WBS01

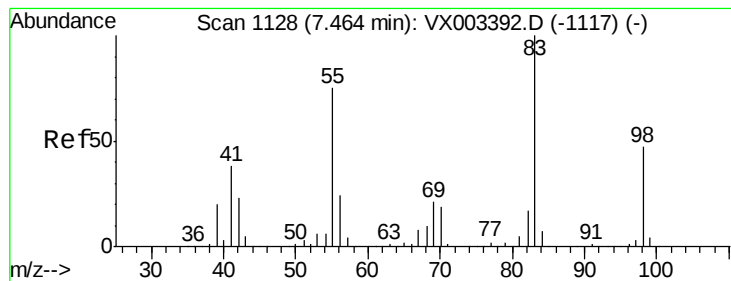
Tot Ion: 43 Resp: 109083
Ion Ratio Lower Upper
43 100
61 14.9 10.4 15.6
70 11.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 20.60 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion: 117 Resp: 101234
Ion Ratio Lower Upper
117 100
119 94.2 77.4 116.0
121 31.8 24.4 36.6





#39

Methvlcvclohexane

Concen: 20.71 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

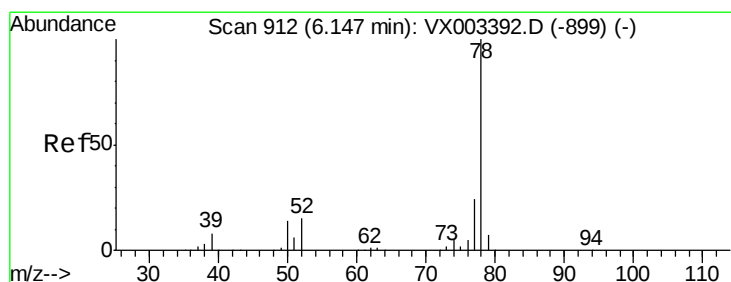
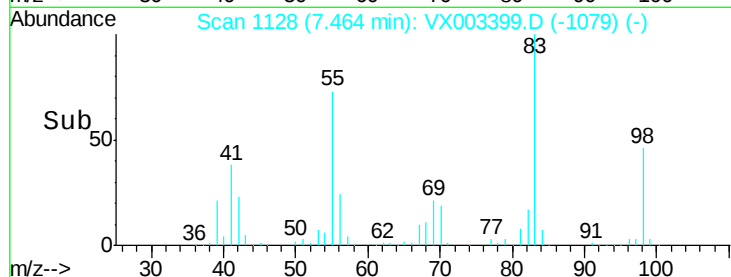
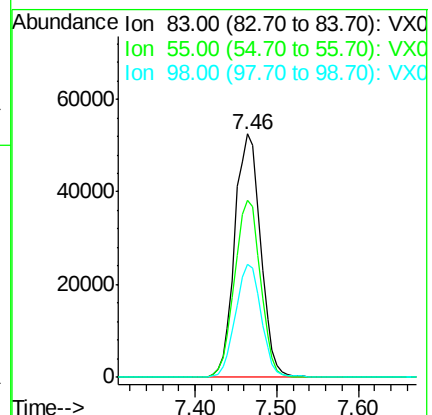
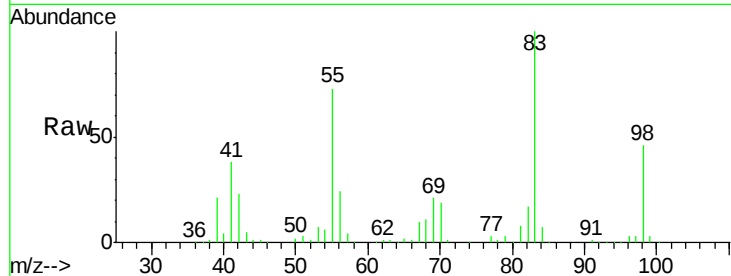
Tot Ion: 83 Resp: 114458

Ion Ratio Lower Upper

83 100

55 72.7 65.4 98.0

98 46.4 37.4 56.0



#40

Benzene

Concen: 21.91 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX003399.D

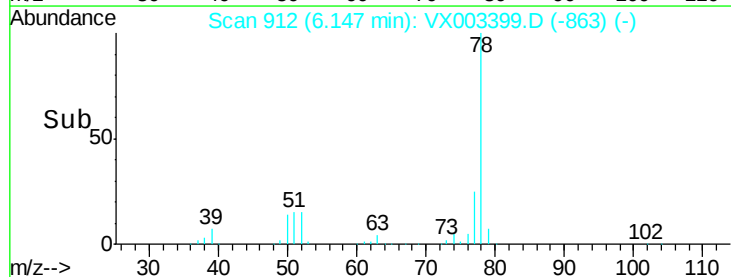
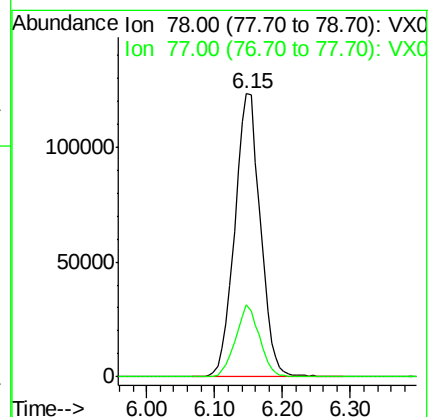
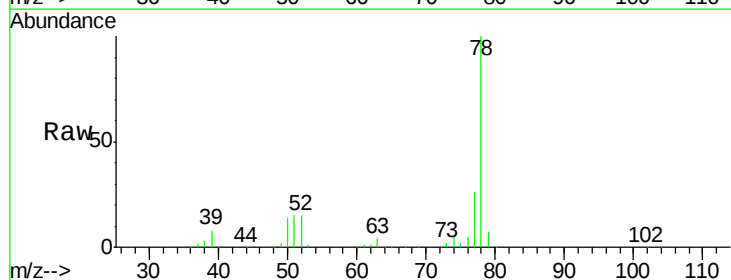
Acq: 16 Jul 2018 19:38

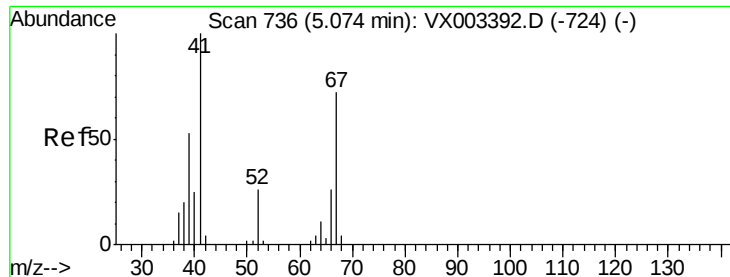
Tgt Ion: 78 Resp: 321921

Ion Ratio Lower Upper

78 100

77 25.5 19.1 28.7

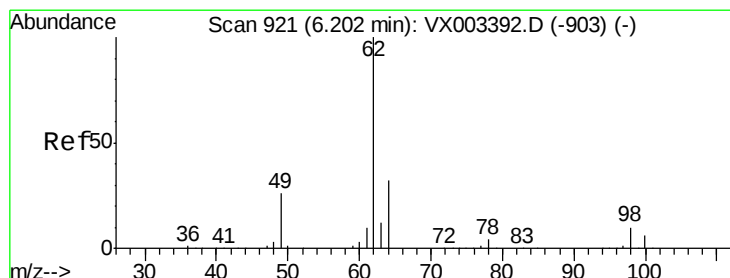
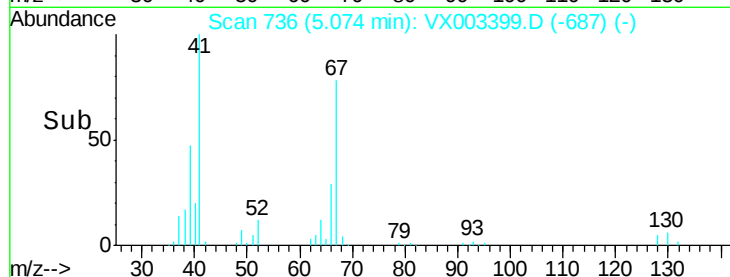
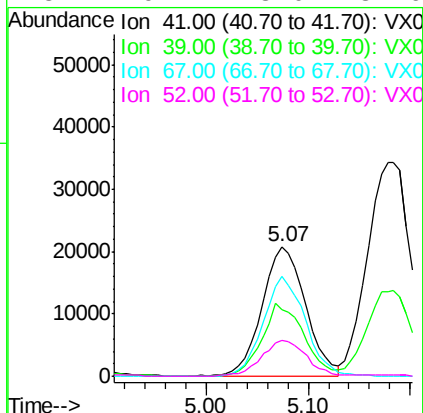
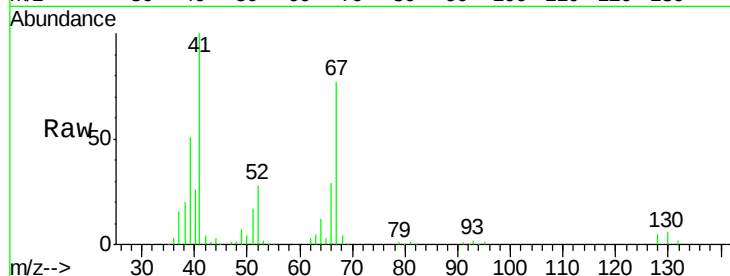




#41
Methacrylonitrile
Concen: 20.58 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

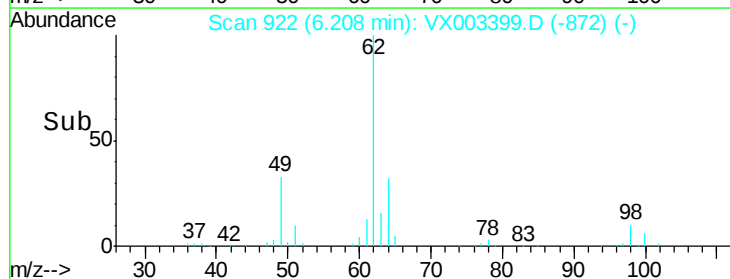
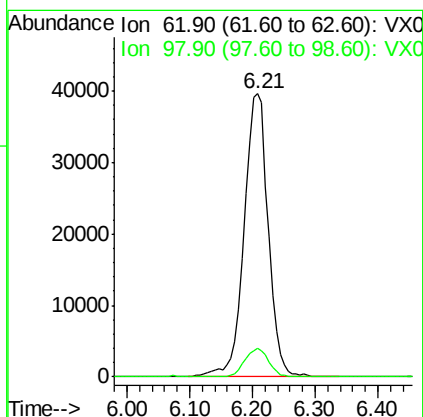
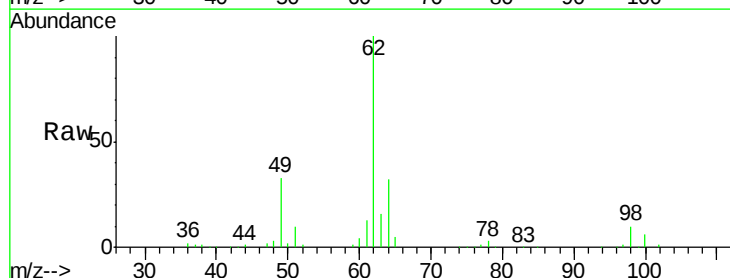
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

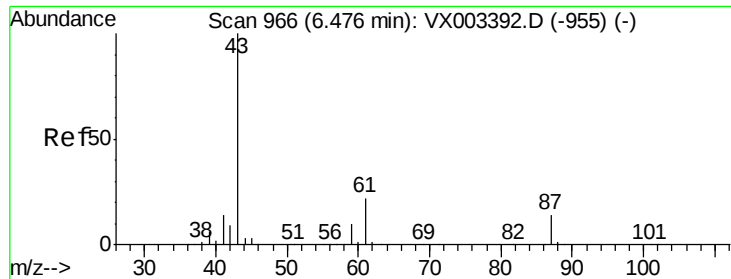
Tot Ion:	41	Resp:	61574
Ion	Ratio	Lower	Upper
41	100		
39	53.3	45.8	68.6
67	74.8	51.3	76.9
52	29.1	23.0	34.6



#42
1,2-Dichloroethane
Concen: 20.91 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion:	62	Resp:	105349
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	16.6



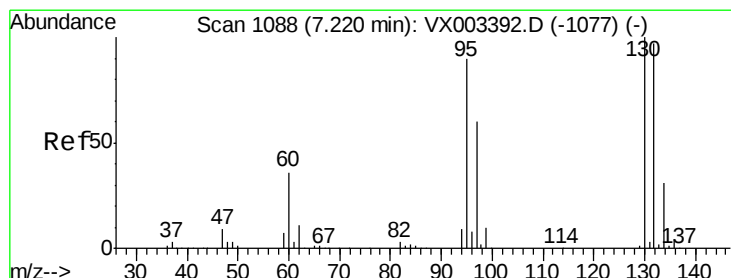
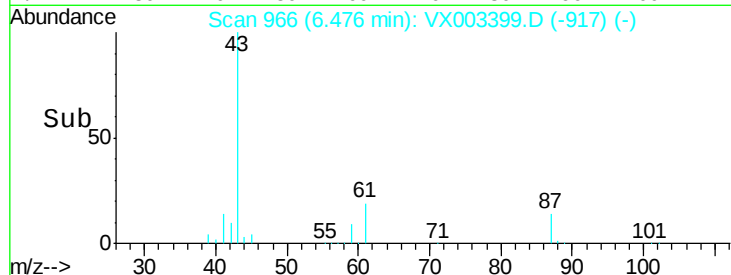
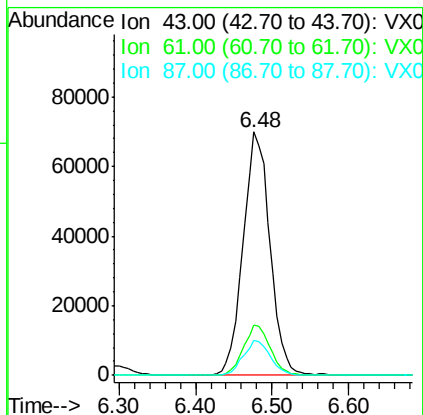
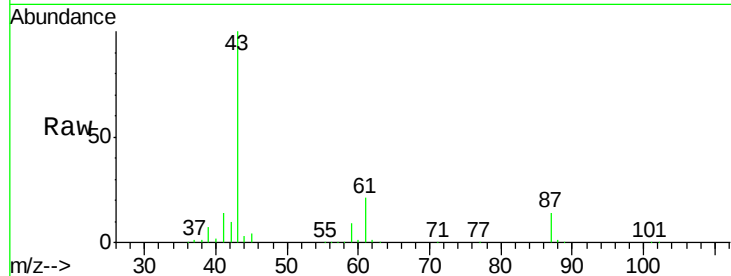


#43

Isopropyl Acetate
 Concen: 20.72 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

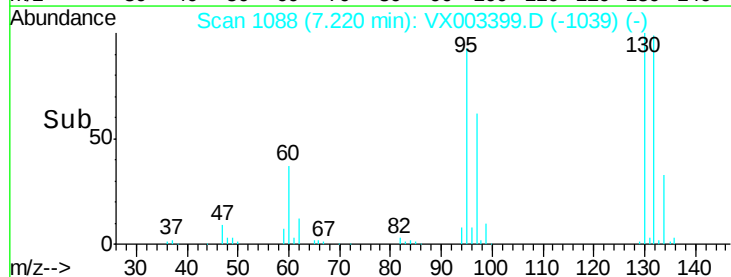
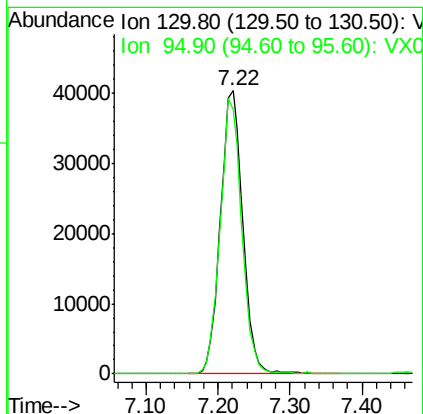
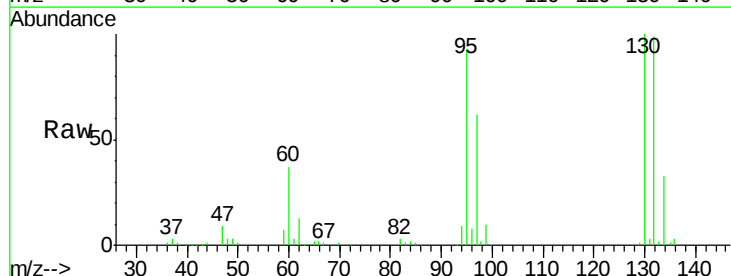
Tot Ion: 43 Resp: 170178
 Ion Ratio Lower Upper
 43 100
 61 20.6 14.4 21.6
 87 14.4 9.5 14.3#

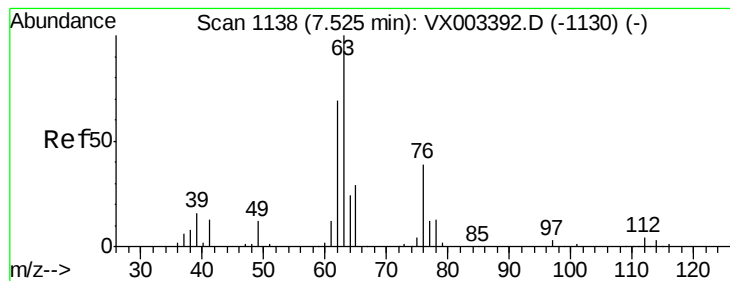


#44

Trichloroethene
 Concen: 20.52 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion: 130 Resp: 87343
 Ion Ratio Lower Upper
 130 100
 95 93.2 0.0 185.4





#45

1,2-Dichloropropane

Concen: 21.07 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

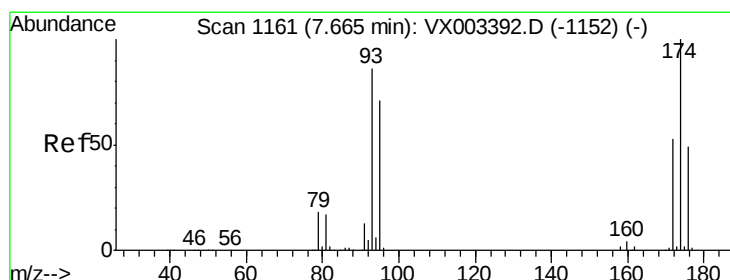
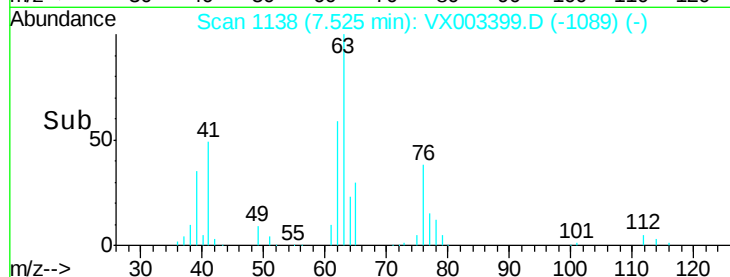
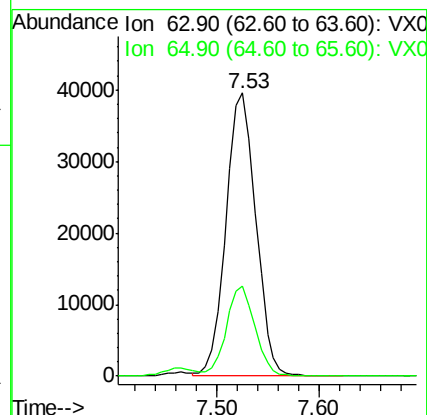
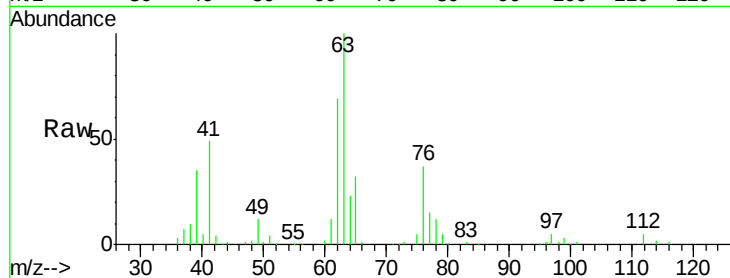
VX0716WBS01

Tot Ion: 63 Resp: 80508

Ion Ratio Lower Upper

63 100

65 31.5 24.7 37.1



#46

Dibromomethane

Concen: 20.80 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

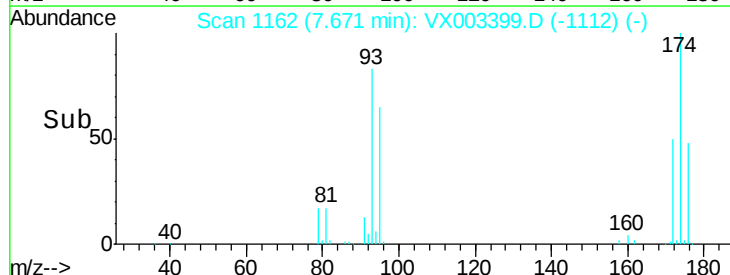
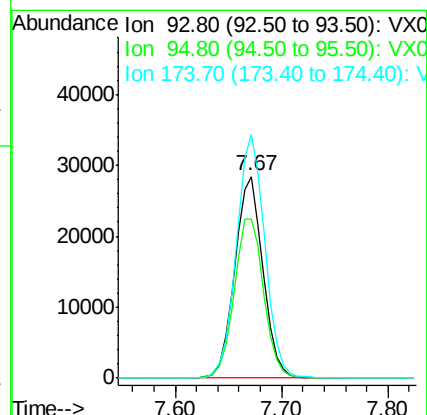
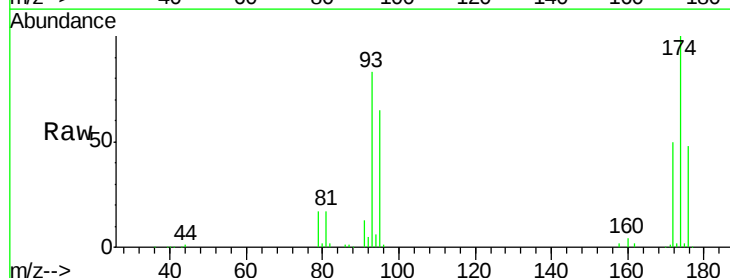
Tgt Ion: 93 Resp: 52933

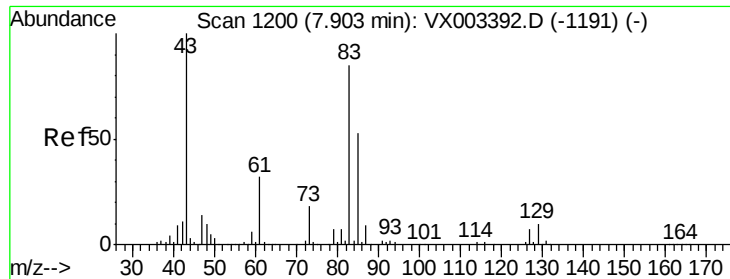
Ion Ratio Lower Upper

93 100

95 82.7 65.9 98.9

174 121.8 92.4 138.6





#47

Bromodichloromethane

Concen: 21.51 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

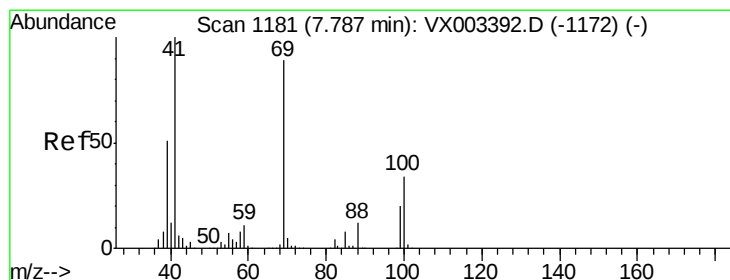
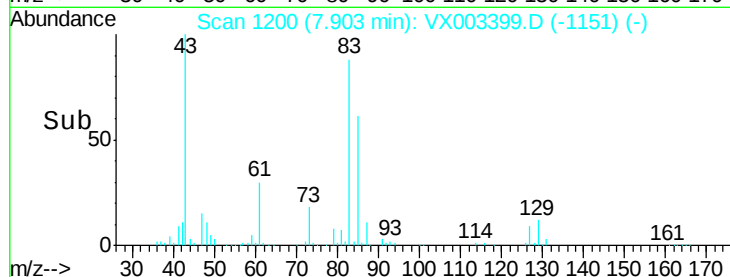
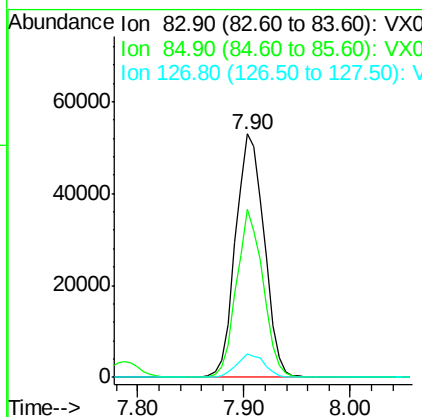
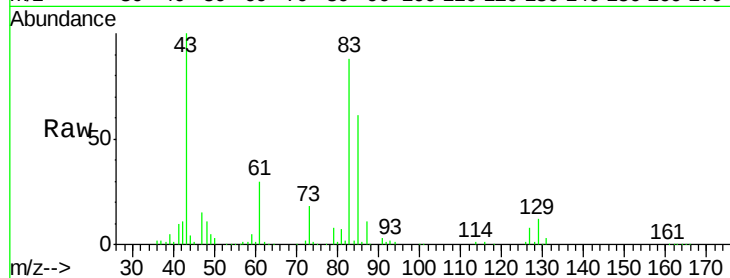
Tot Ion: 83 Resp: 100243

Ion Ratio Lower Upper

83 100

85 69.1 50.3 75.5

127 9.7 7.0 10.4



#48

Methyl methacrylate

Concen: 20.77 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

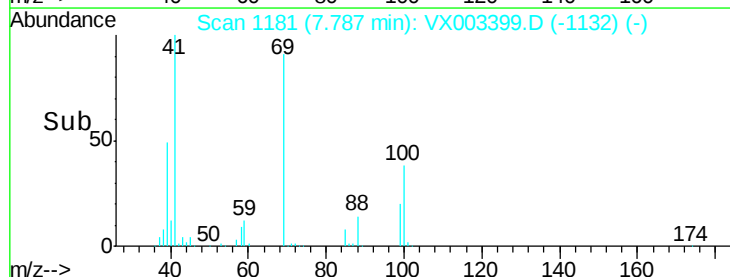
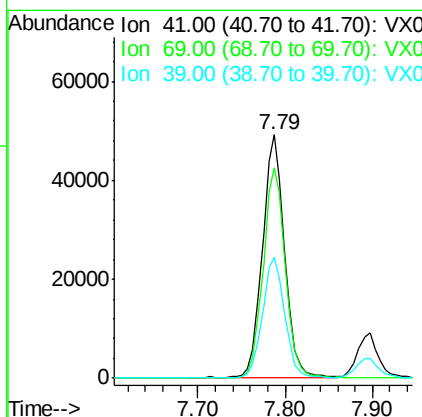
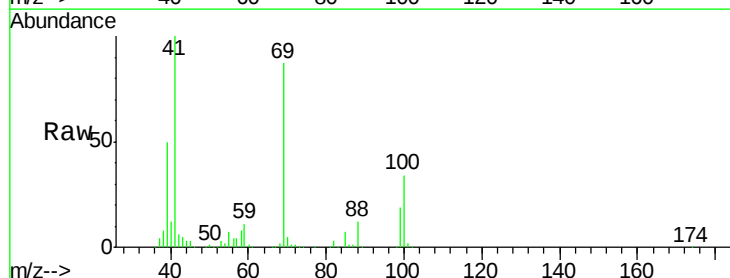
Tgt Ion: 41 Resp: 86995

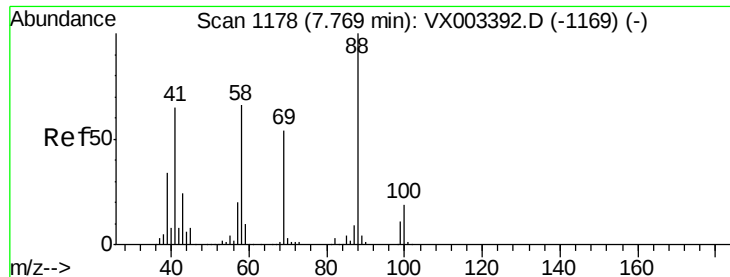
Ion Ratio Lower Upper

41 100

69 86.9 59.1 88.7

39 49.8 48.9 73.3

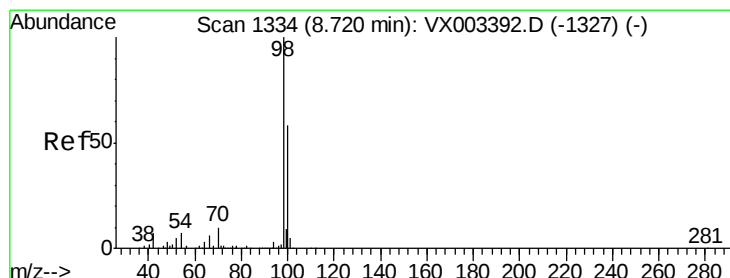
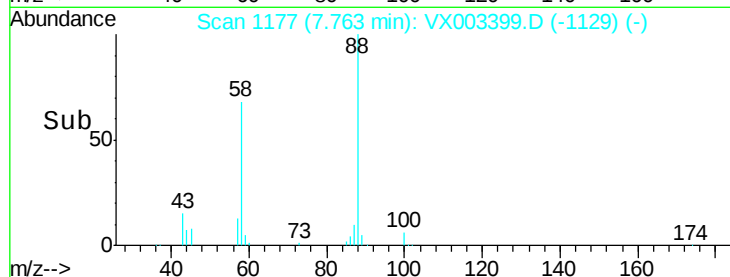
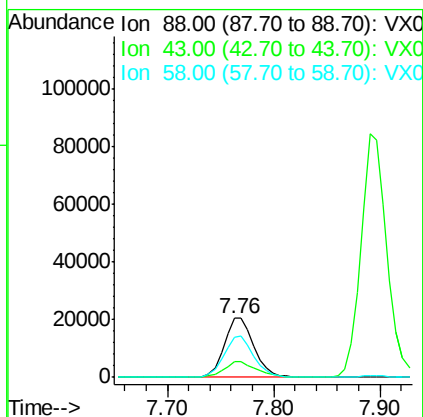
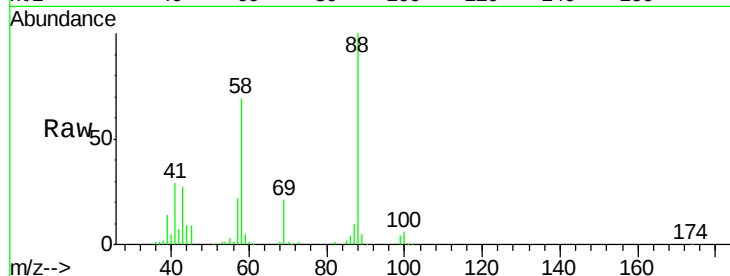




#49
1,4-Dioxane
Concen: 417.10 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

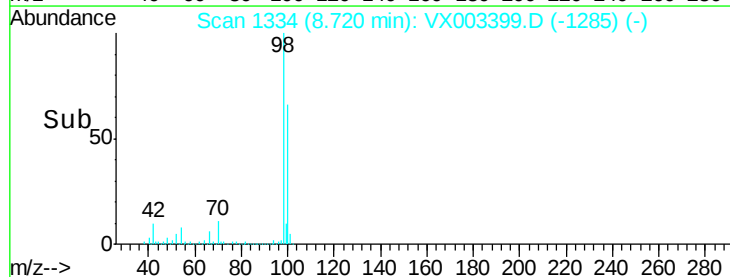
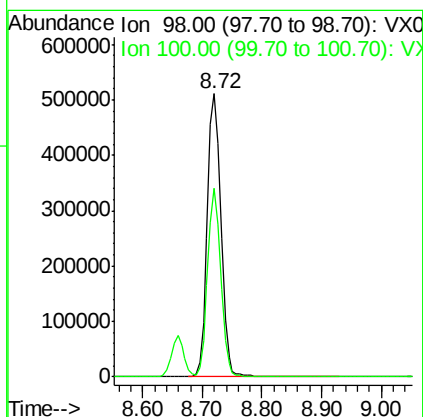
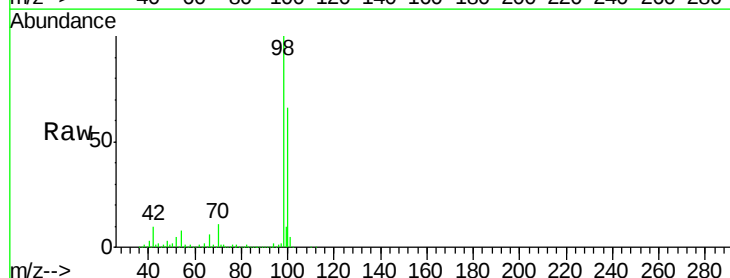
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

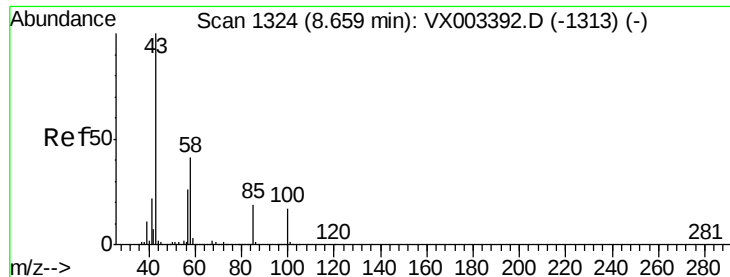
Tot Ion: 88 Resp: 40007
Ion Ratio Lower Upper
88 100
43 30.9 29.8 44.6
58 71.5 57.1 85.7



#50
Toluene-d8
Concen: 56.44 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion: 98 Resp: 803558
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 118.14 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

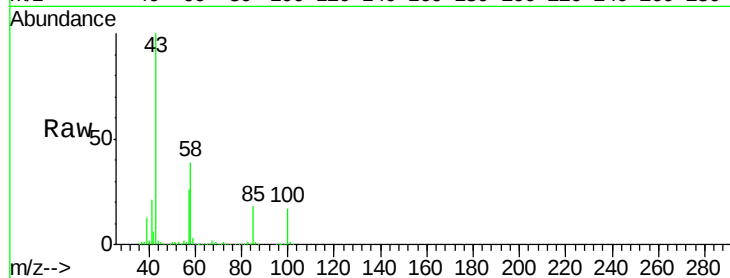
VX0716WBS01

Tot Ion: 43 Resp: 638597

Ion Ratio Lower Upper

43 100

58 39.3 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

400000

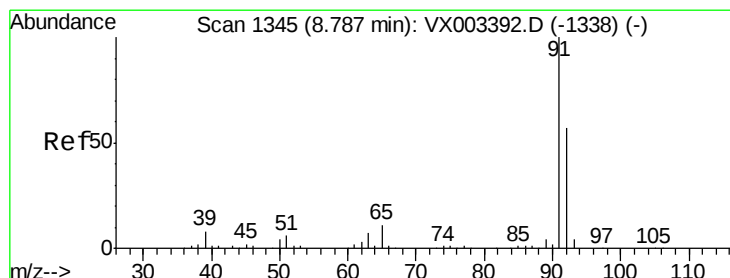
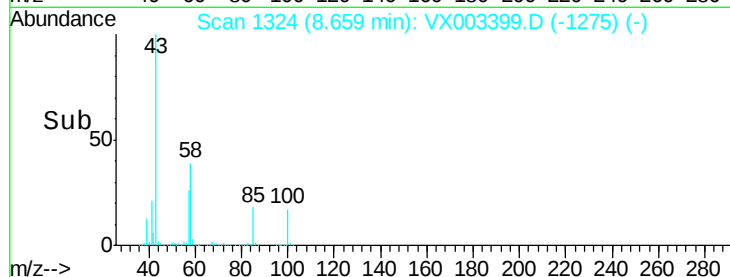
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 24.14 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003399.D

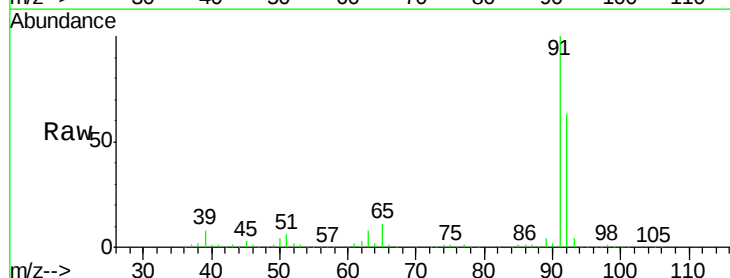
Acq: 16 Jul 2018 19:38

Tgt Ion: 92 Resp: 222049

Ion Ratio Lower Upper

92 100

91 169.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

250000

200000

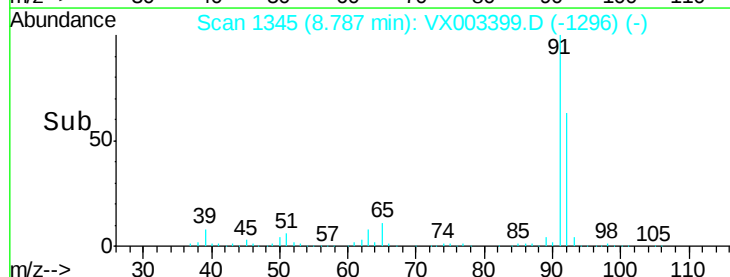
150000

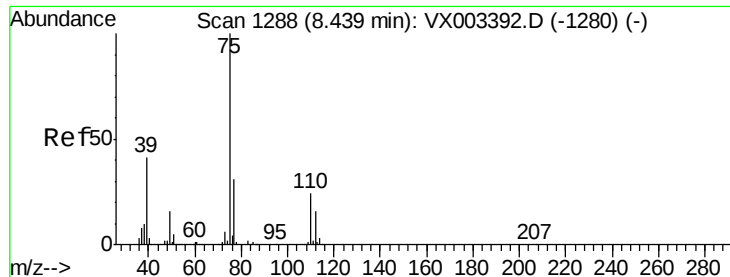
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.66 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

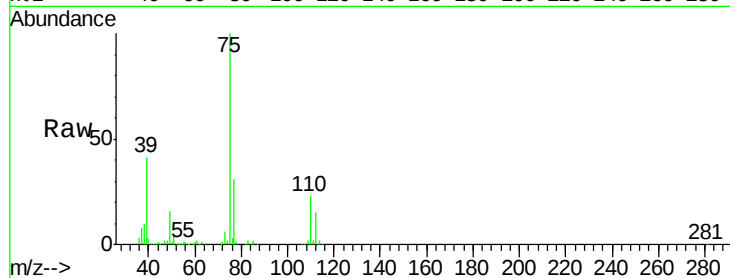
VX0716WBS01

Tot Ion: 75 Resp: 124655

Ion Ratio Lower Upper

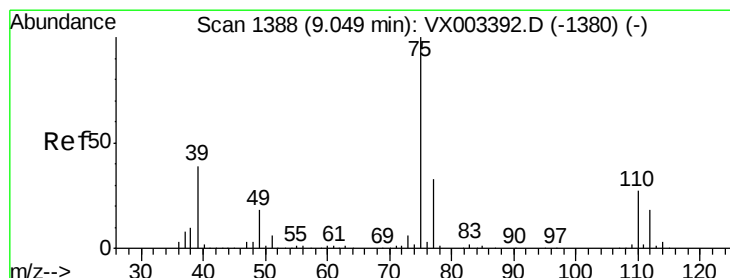
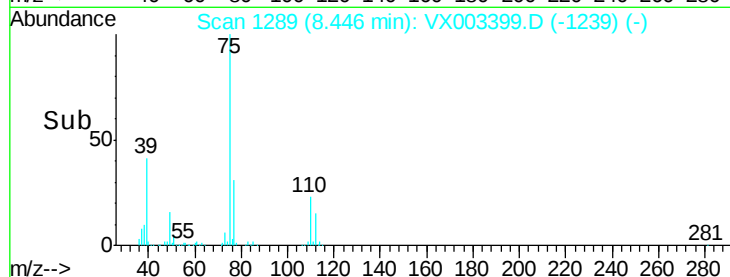
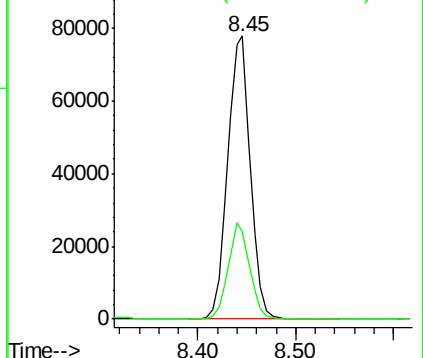
75 100

77 30.7 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 21.00 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

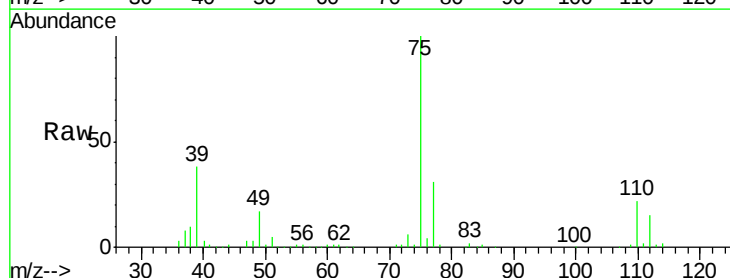
Tgt Ion: 75 Resp: 105431

Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

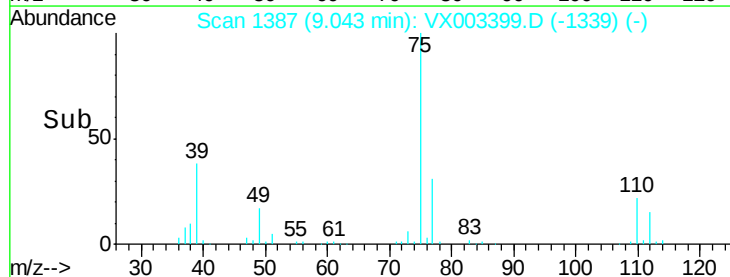
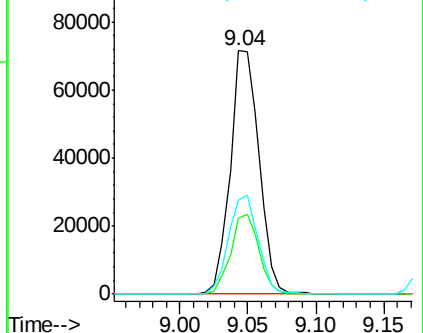
39 38.4 42.4 63.6#

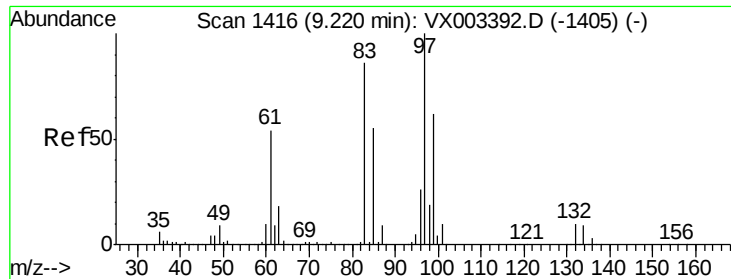


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

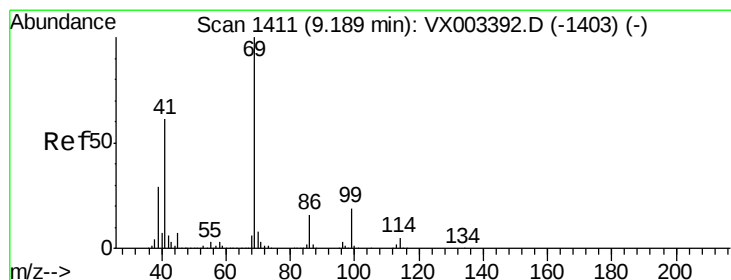
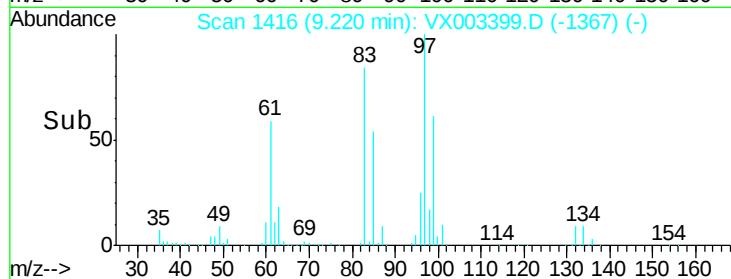
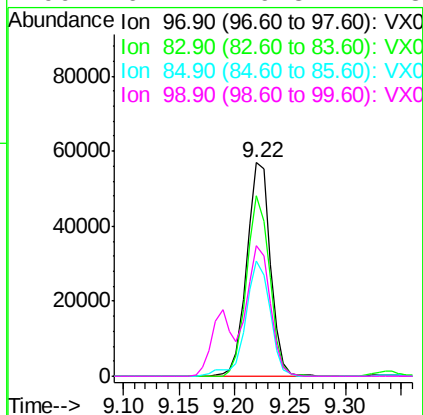
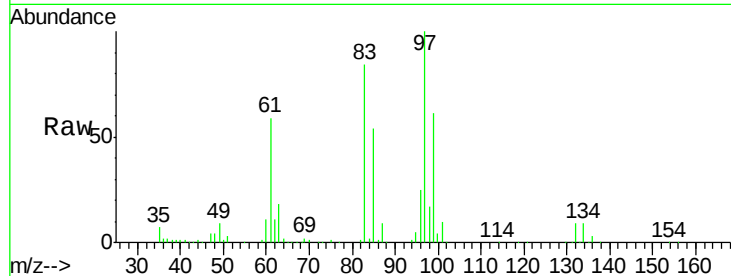




#55
 1,1,2-Trichloroethane
 Concen: 21.86 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

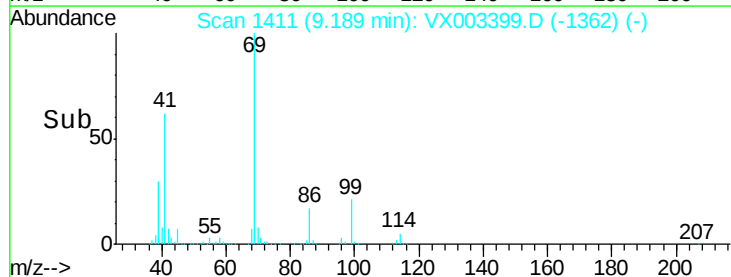
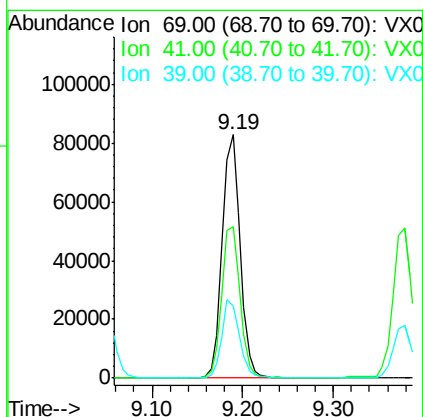
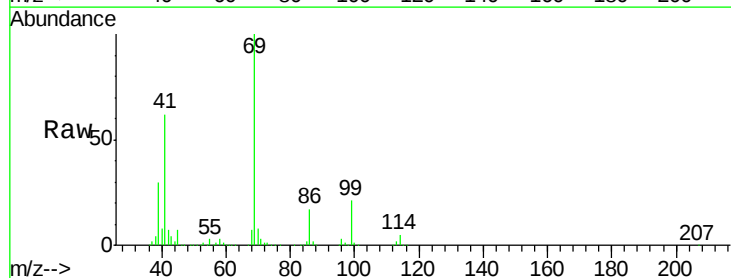
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

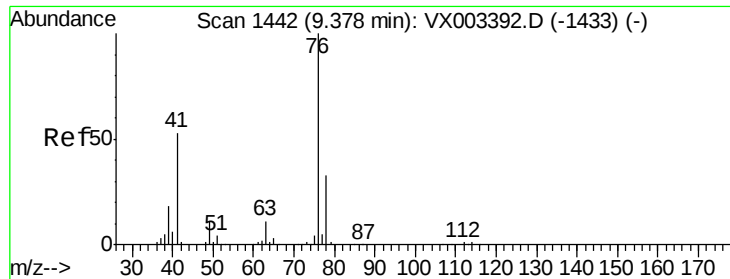
Tot Ion: 97 Resp: 83996
 Ion Ratio Lower Upper
 97 100
 83 84.4 70.2 105.2
 85 53.8 44.9 67.3
 99 61.4 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 21.12 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion: 69 Resp: 114939
 Ion Ratio Lower Upper
 69 100
 41 63.4 60.3 90.5
 39 31.4 35.8 53.8#

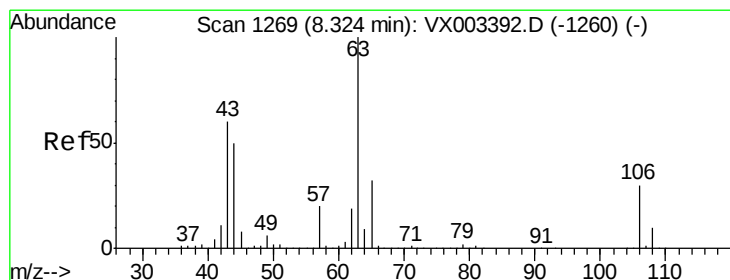
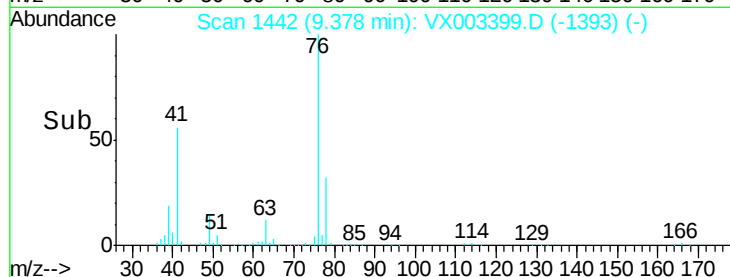
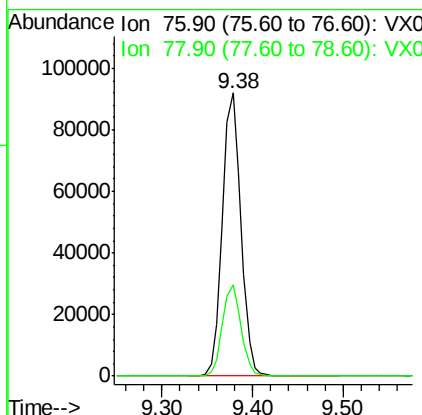
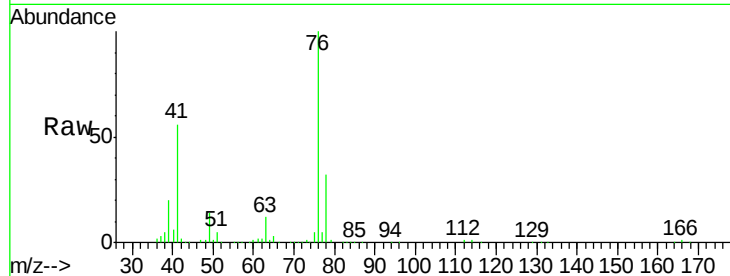




#57
 1,3-Dichloropropane
 Concen: 21.28 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

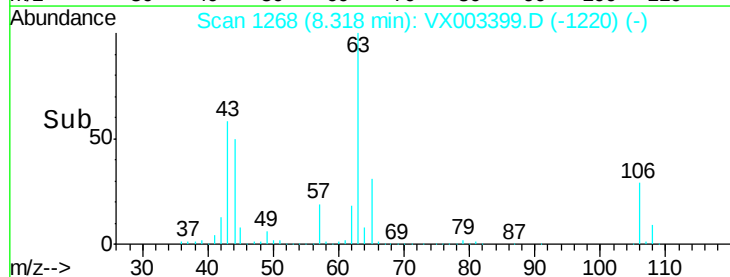
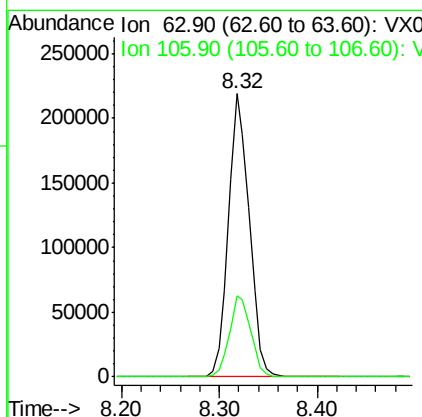
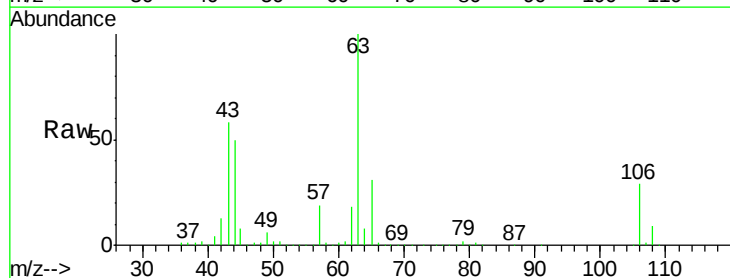
Instrument :
 MSVOA_X
 ClientSampled :
 VX0716WBS01

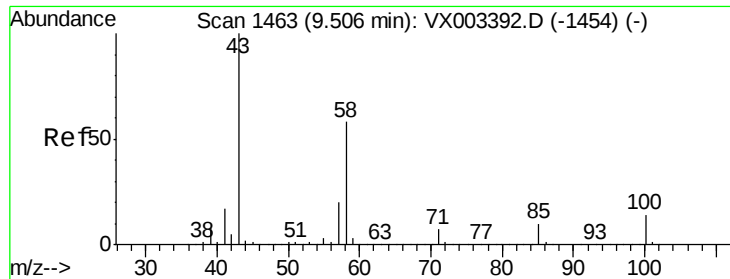
Tot Ion: 76 Resp: 131369
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.75 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion: 63 Resp: 323980
 Ion Ratio Lower Upper
 63 100
 106 29.3 21.8 32.8

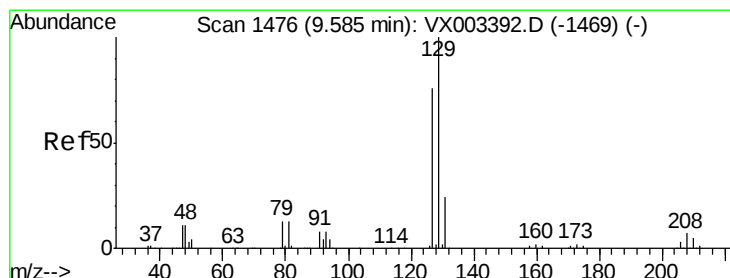
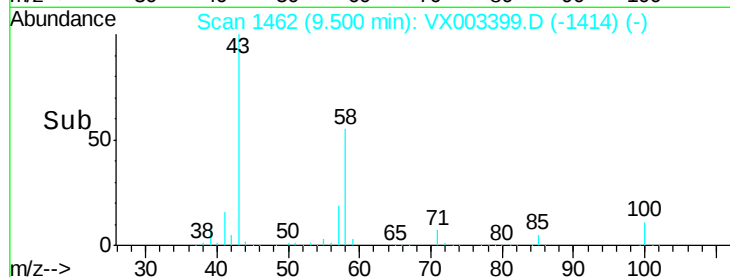
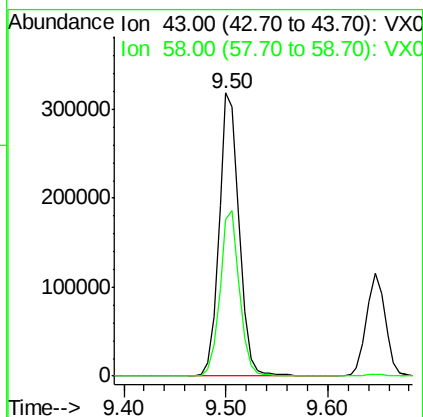
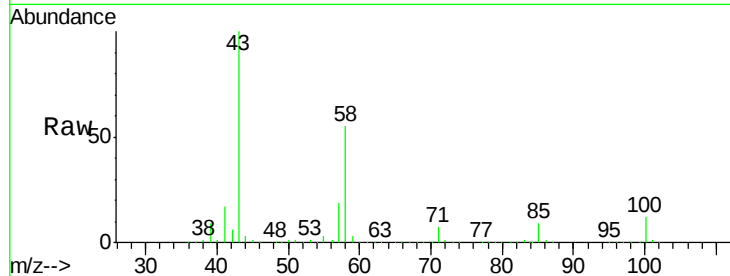




#59
2-Hexanone
Concen: 105.31 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

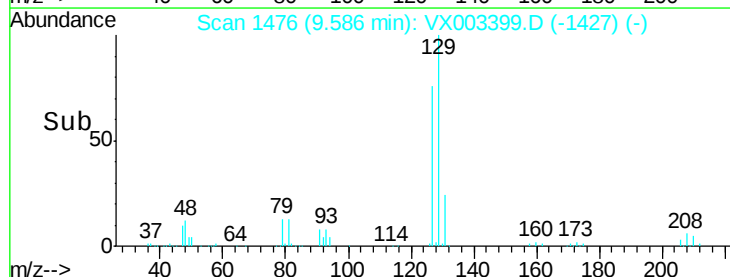
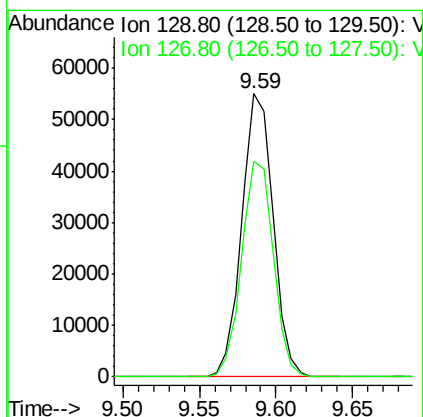
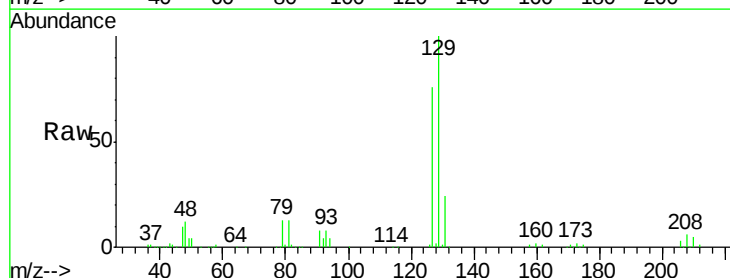
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

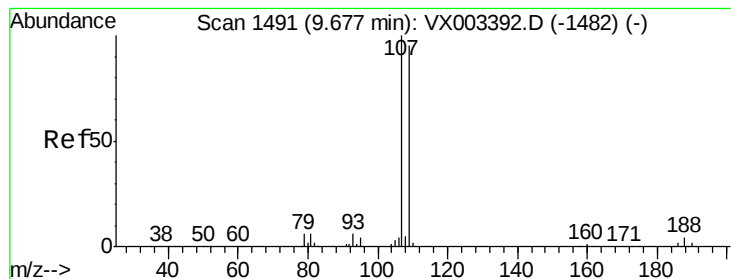
Tot Ion: 43 Resp: 437377
Ion Ratio Lower Upper
43 100
58 57.0 24.6 73.6



#60
Dibromochloromethane
Concen: 20.53 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion:129 Resp: 78378
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 21.19 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

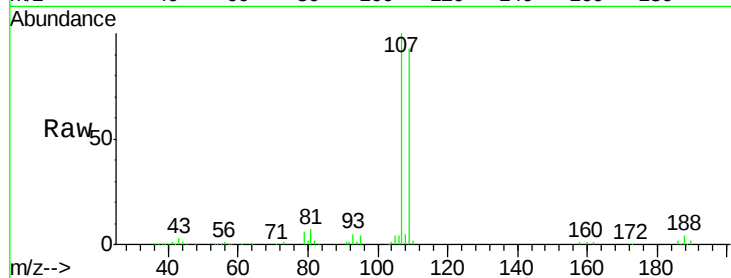
VX0716WBS01

Tot Ion:107 Resp: 83948

Ion Ratio Lower Upper

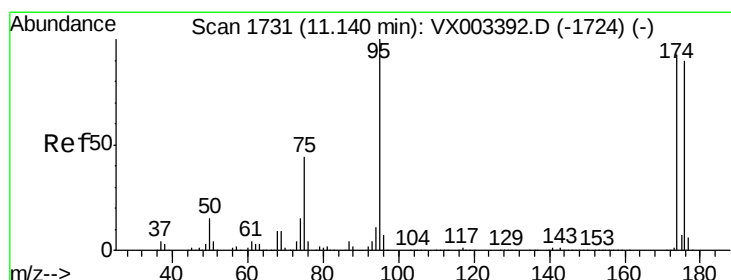
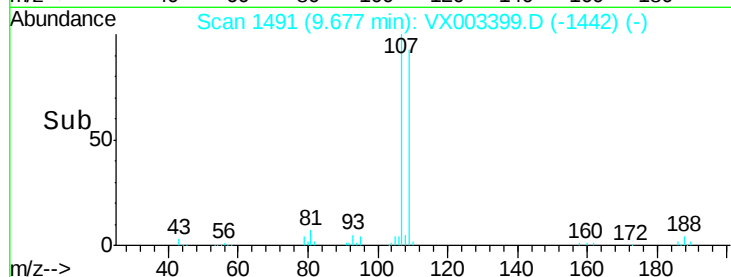
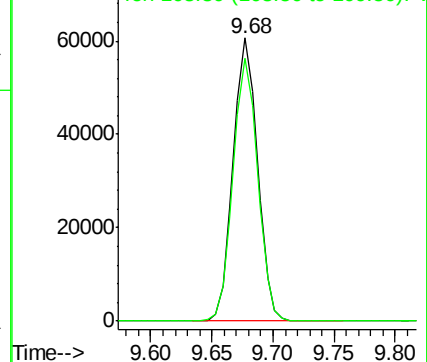
107 100

109 93.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 57.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

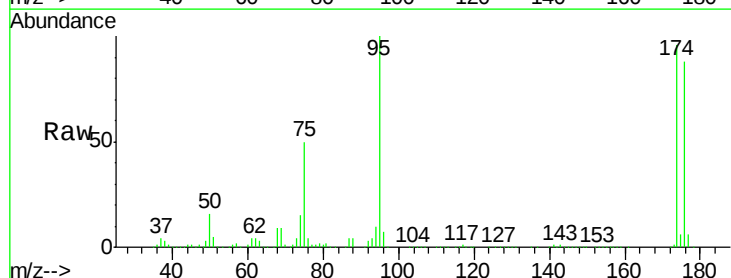
Tgt Ion: 95 Resp: 291695

Ion Ratio Lower Upper

95 100

174 95.9 0.0 187.4

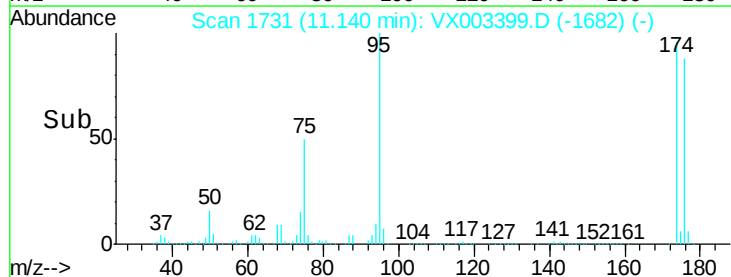
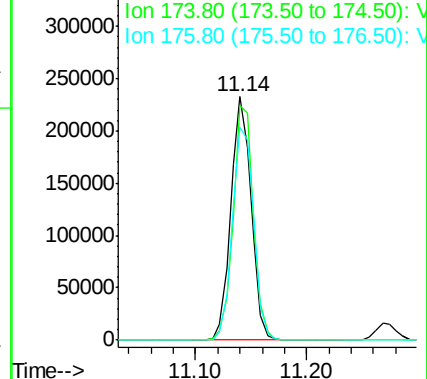
176 92.4 0.0 181.0

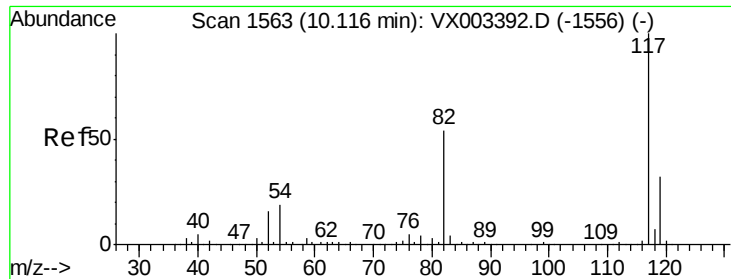


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

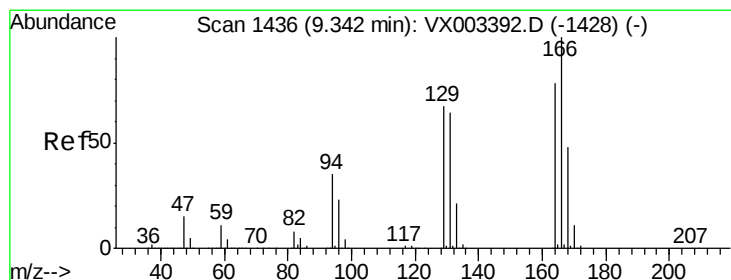
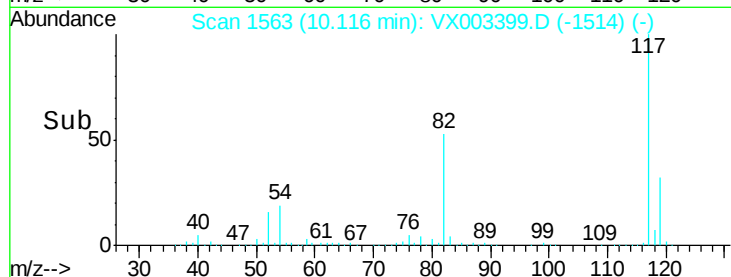
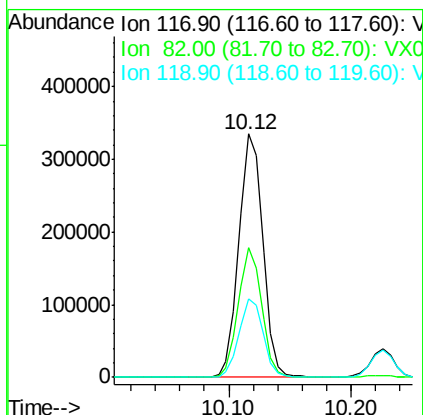
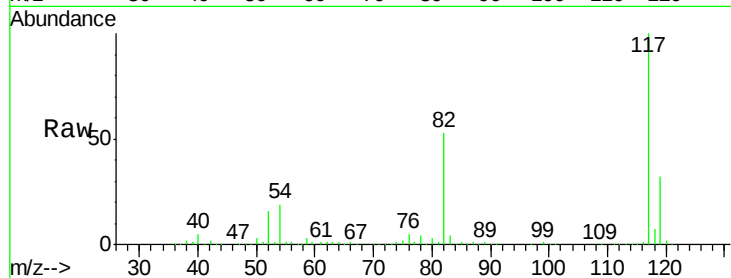




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

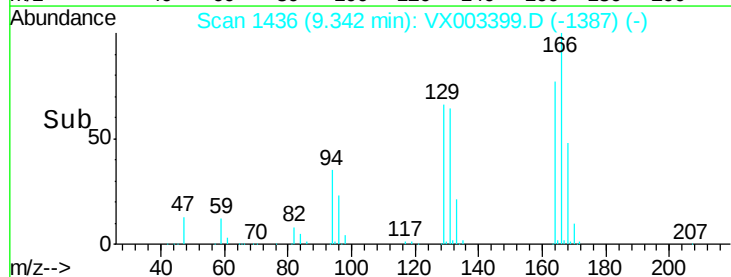
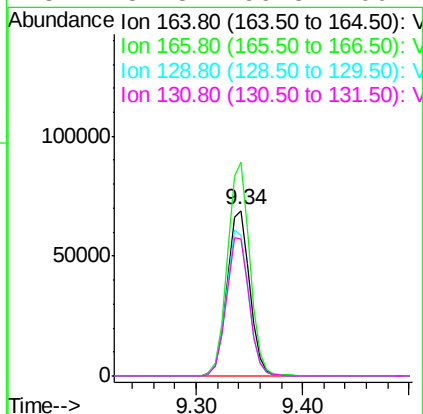
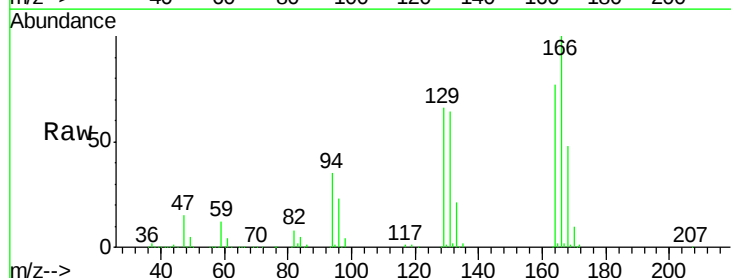
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

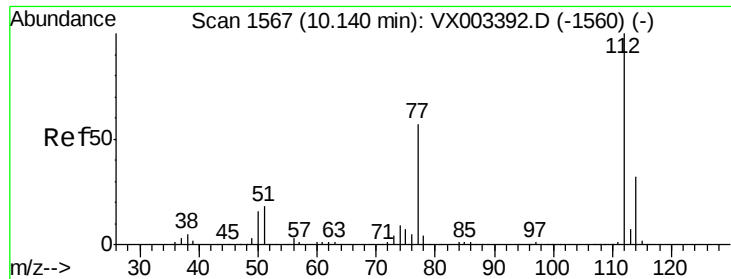
Tot Ion:117 Resp: 453609
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.4
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 21.64 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion:164 Resp: 102696
Ion Ratio Lower Upper
164 100
166 129.4 102.9 154.3
129 85.7 68.6 102.8
131 82.8 66.8 100.2

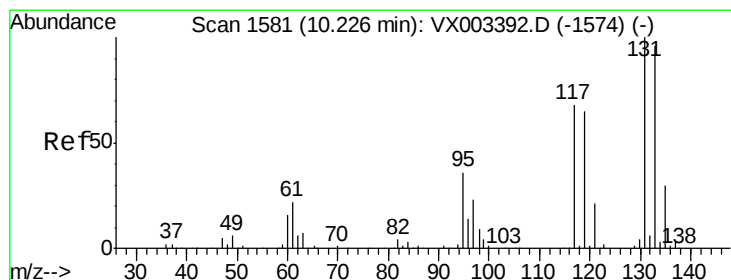
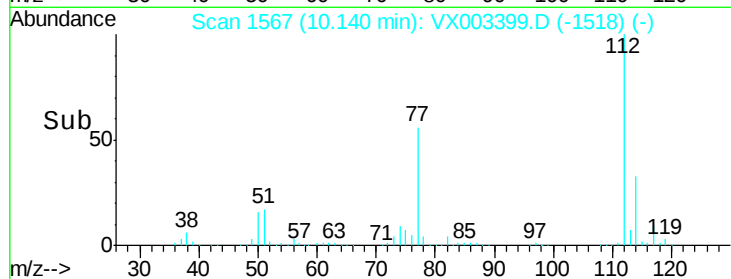
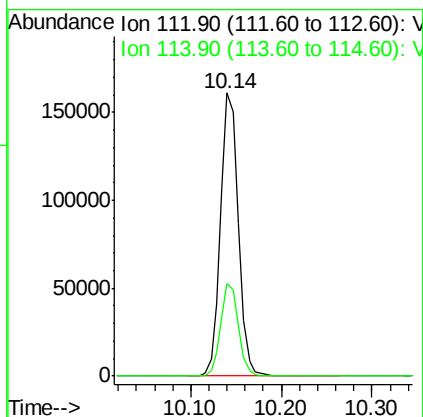
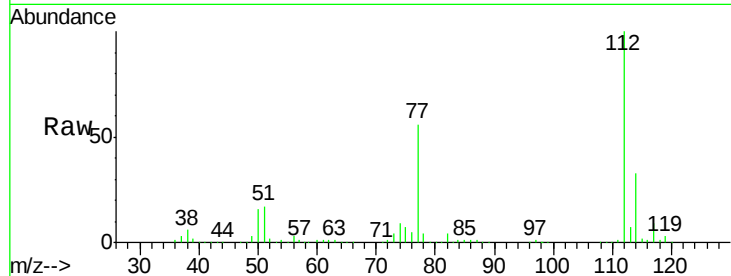




#65
Chlorobenzene
Concen: 20.70 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

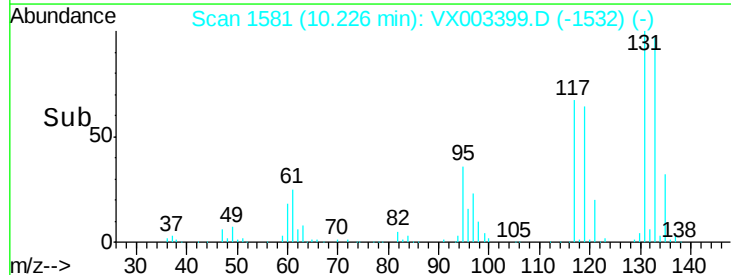
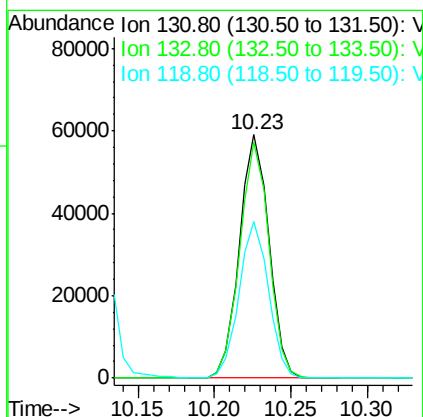
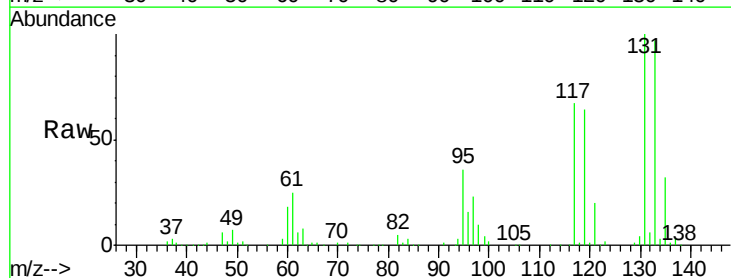
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

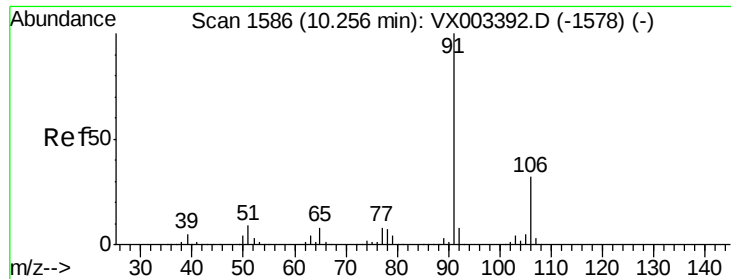
Tot Ion:112 Resp: 221815
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.82 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion:131 Resp: 79316
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.6
119 64.2 31.8 95.3





#67

Ethyl Benzene

Concen: 20.65 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

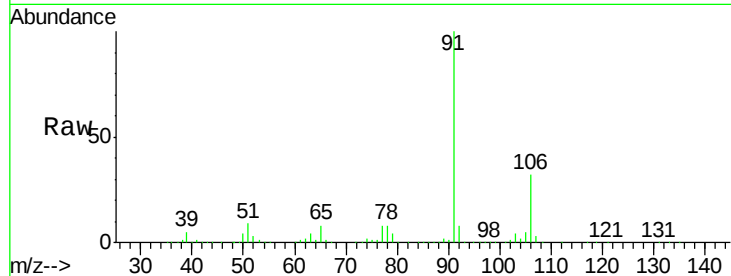
VX0716WBS01

Tot Ion: 91 Resp: 361638

Ion Ratio Lower Upper

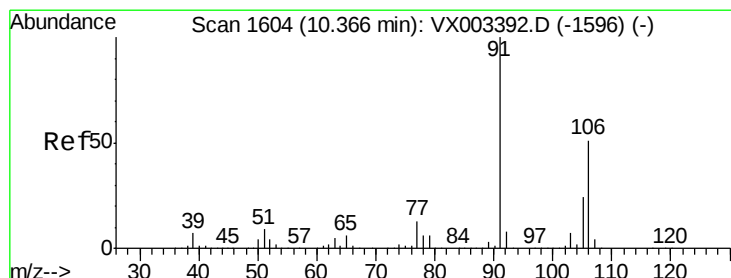
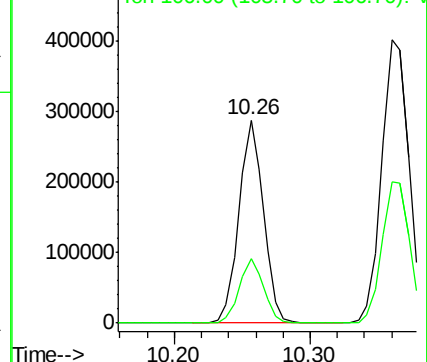
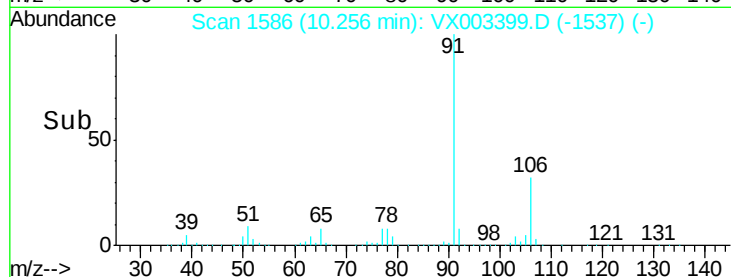
91 100

106 31.6 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: 41.93 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX003399.D

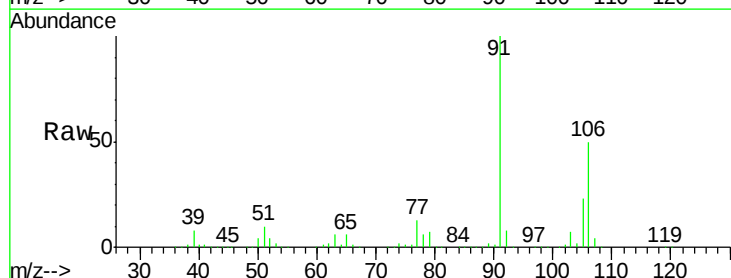
Acq: 16 Jul 2018 19:38

Tgt Ion: 106 Resp: 284084

Ion Ratio Lower Upper

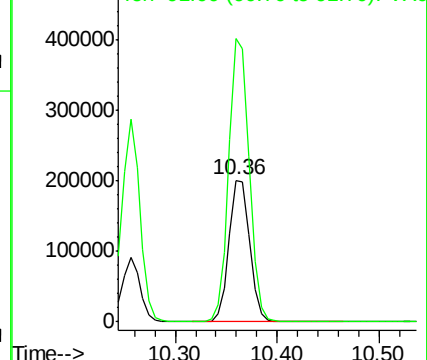
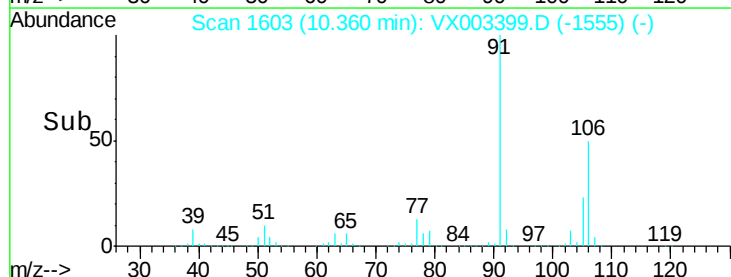
106 100

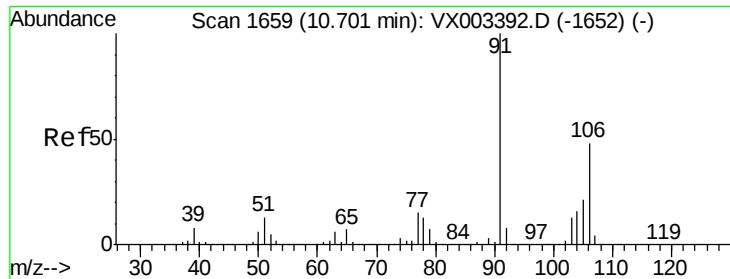
91 197.1 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

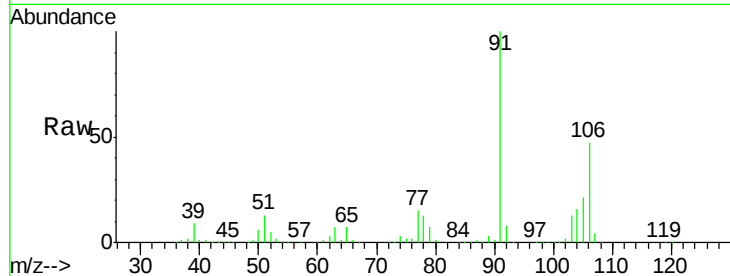




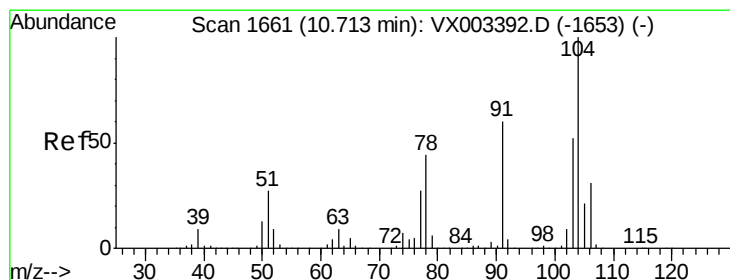
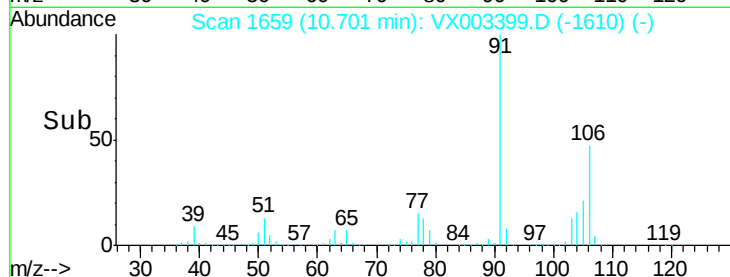
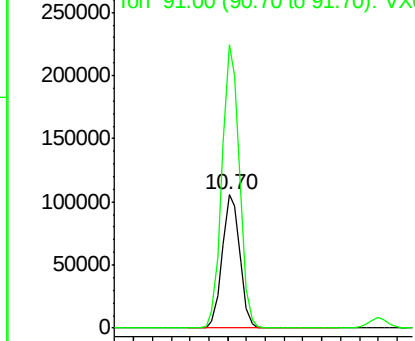
#69
o-Xylene
Concen: 21.01 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Instrument :
MSVOA_X
ClientSampled :
VX0716WBS01

Tot Ion:106 Resp: 136745
Ion Ratio Lower Upper
106 100
91 210.7 108.2 324.6

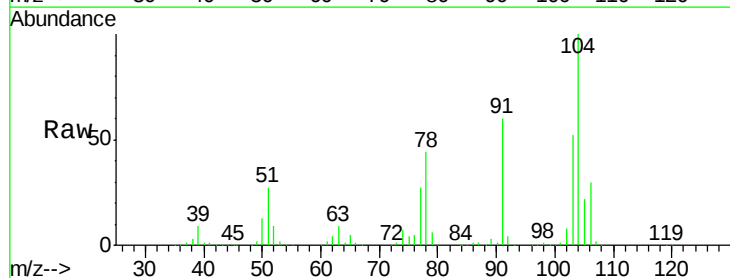


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

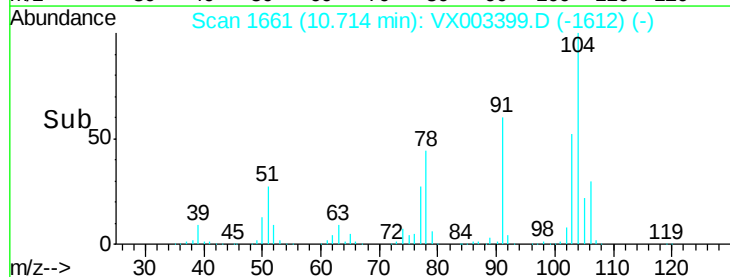
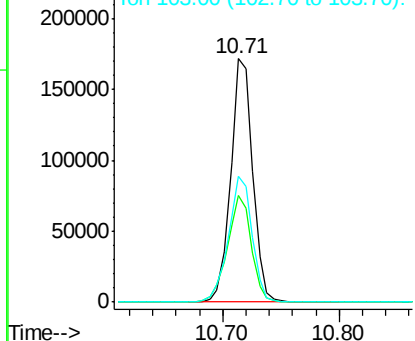


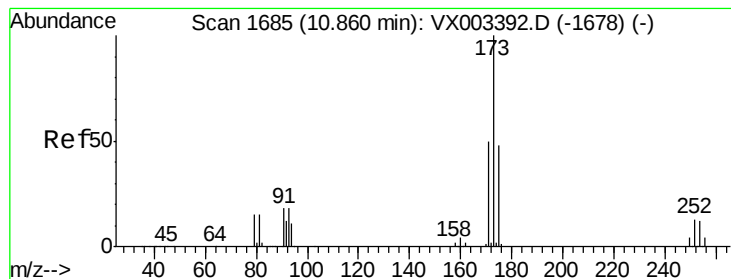
#70
Styrene
Concen: 21.08 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion:104 Resp: 225773
Ion Ratio Lower Upper
104 100
78 47.5 41.0 61.6
103 55.7 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: 20.32 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

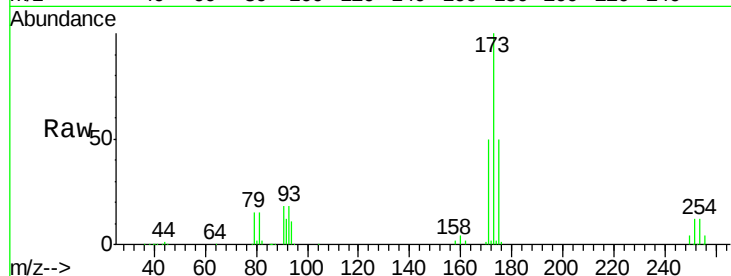
Tot Ion:173 Resp: 62271

Ion Ratio Lower Upper

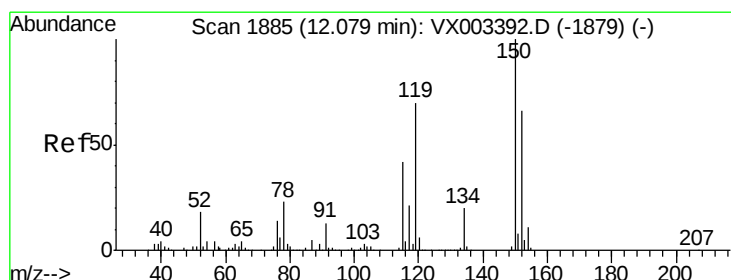
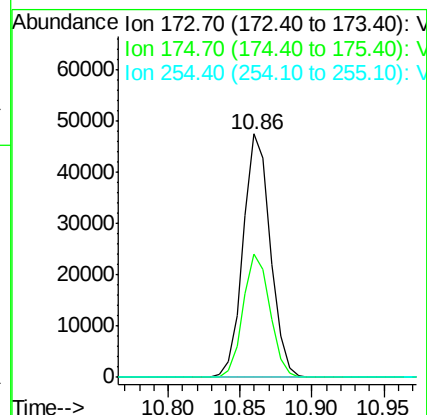
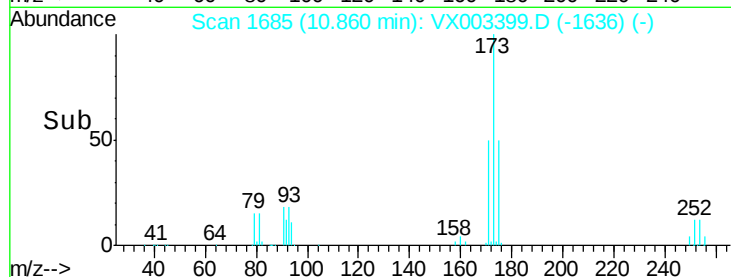
173 100

175 50.1 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: 12.09 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

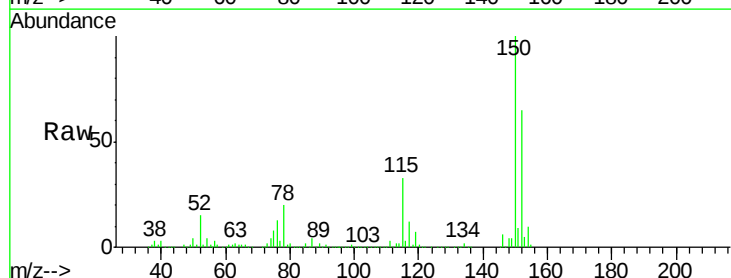
Tgt Ion:152 Resp: 270569

Ion Ratio Lower Upper

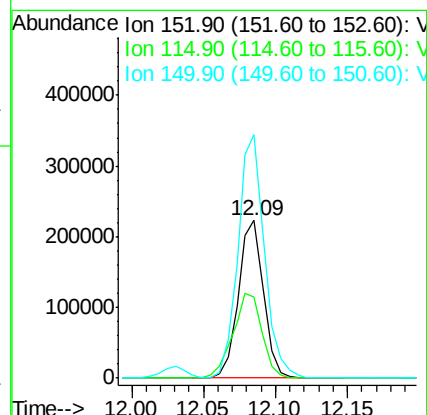
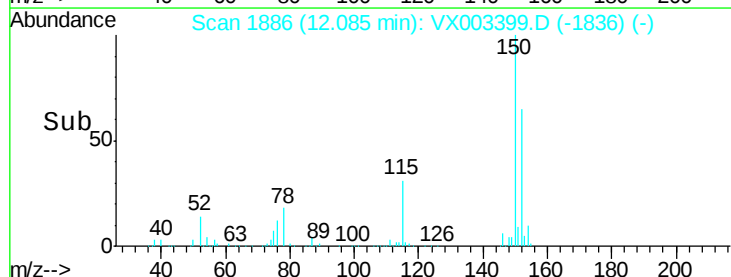
152 100

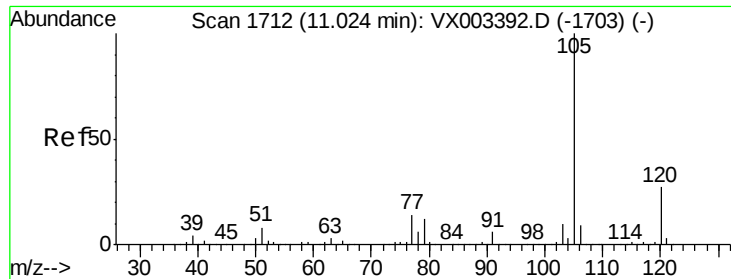
115 62.8 40.1 120.2

150 163.2 0.0 347.2



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





#73

Isopropylbenzene

Concen: 22.73 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

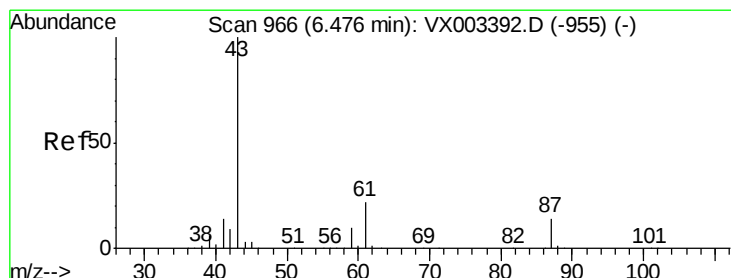
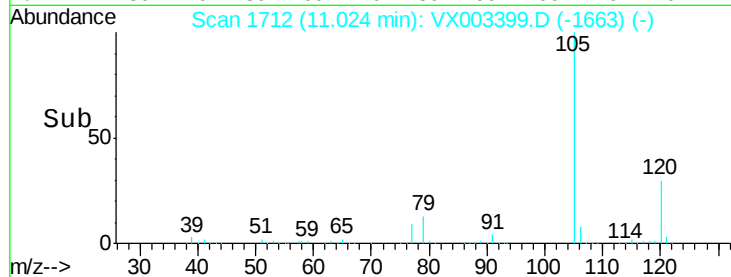
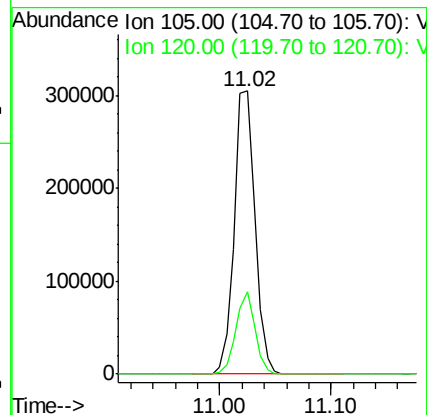
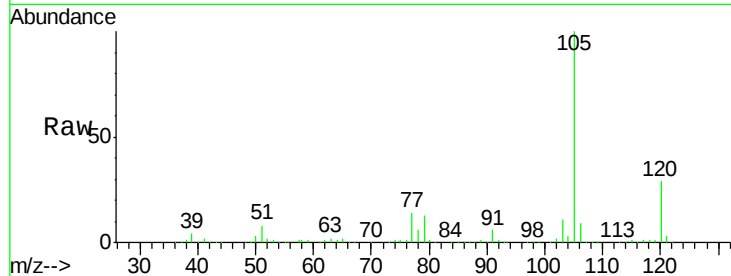
VX0716WBS01

Tot Ion:105 Resp: 393848

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



#74

N-ethyl acetate

Concen: 20.43 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Tgt Ion: 43 Resp: 170178

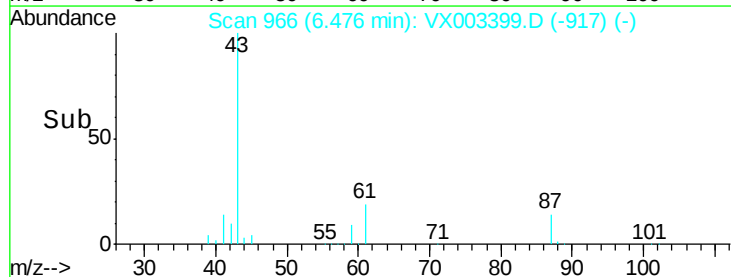
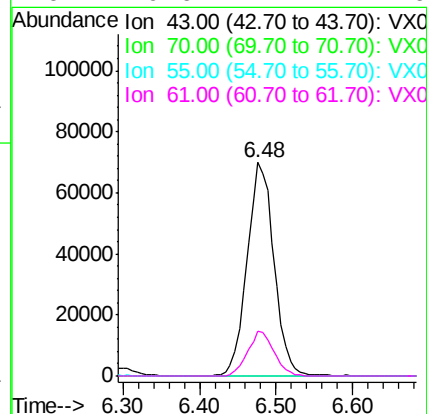
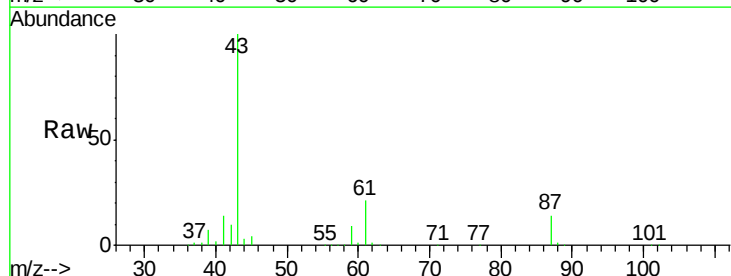
Ion Ratio Lower Upper

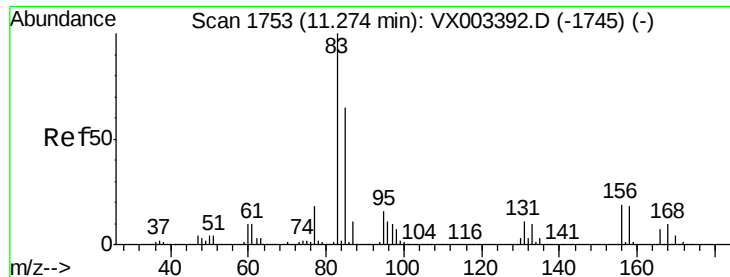
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.6 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.82 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampled :

VX0716WBS01

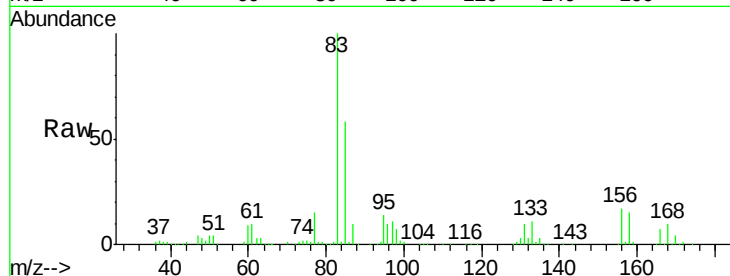
Tot Ion: 83 Resp: 136224

Ion Ratio Lower Upper

83 100

131 10.6 5.6 16.8

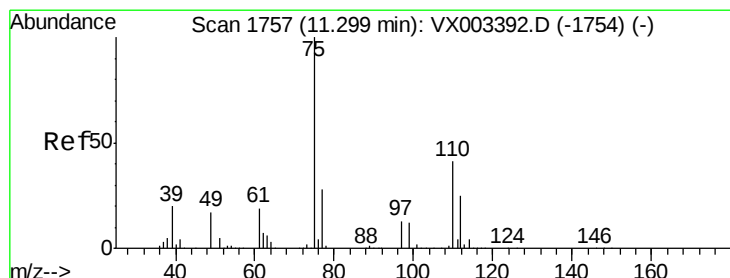
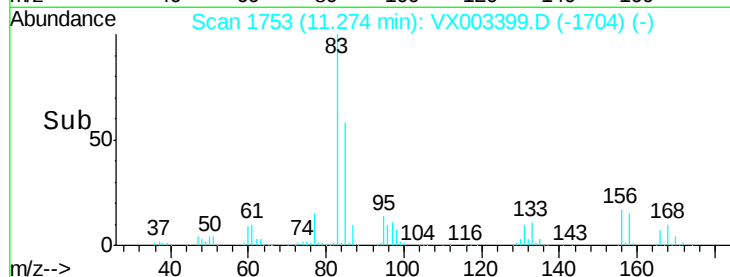
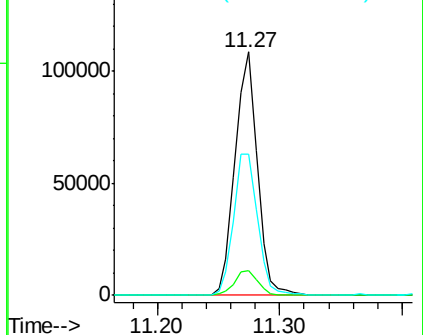
85 63.0 32.4 97.2



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: 30.95 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003399.D

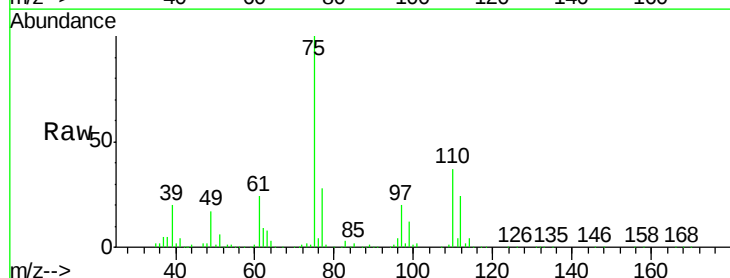
Acq: 16 Jul 2018 19:38

Tgt Ion: 75 Resp: 151607

Ion Ratio Lower Upper

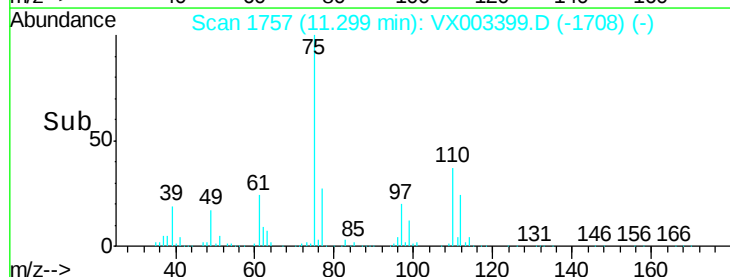
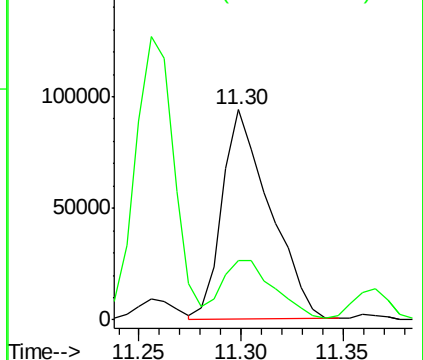
75 100

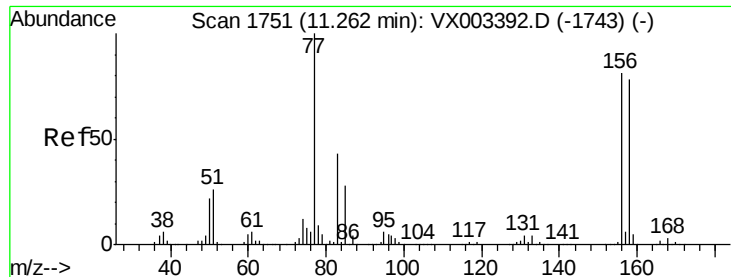
77 31.6 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 22.60 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

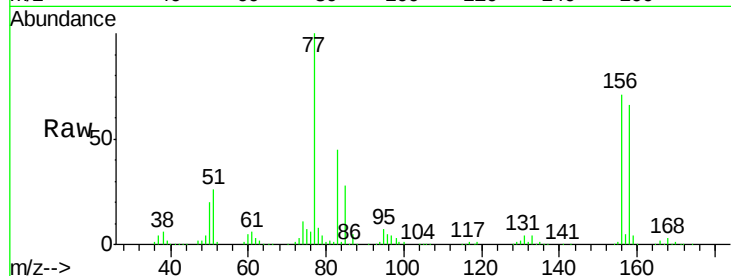
Tot Ion:156 Resp: 111179

Ion Ratio Lower Upper

156 100

77 149.9 71.4 214.2

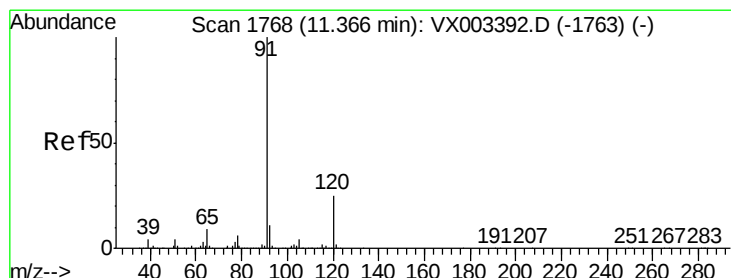
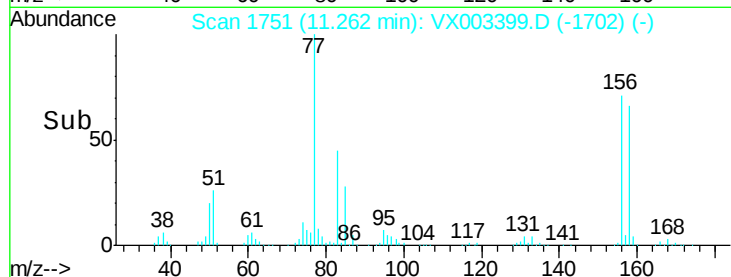
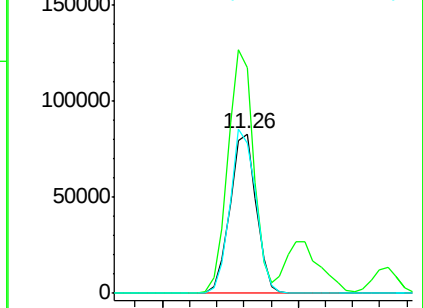
158 101.0 48.9 146.6



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: 23.81 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003399.D

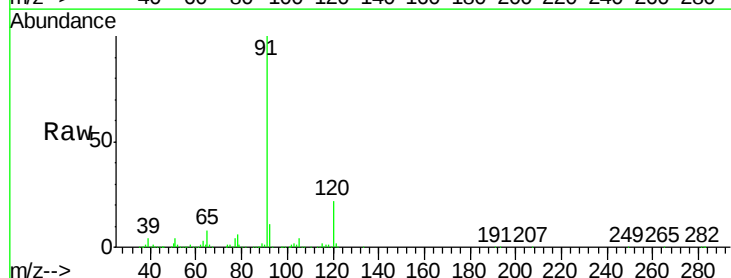
Acq: 16 Jul 2018 19:38

Tgt Ion: 91 Resp: 460750

Ion Ratio Lower Upper

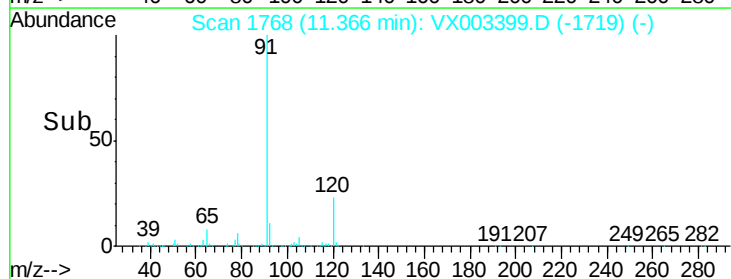
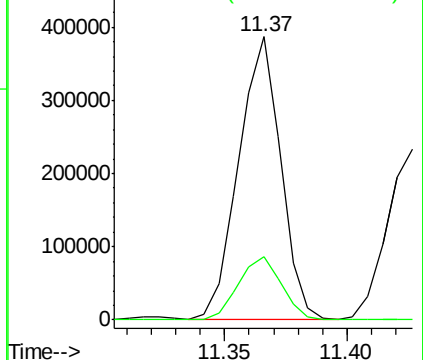
91 100

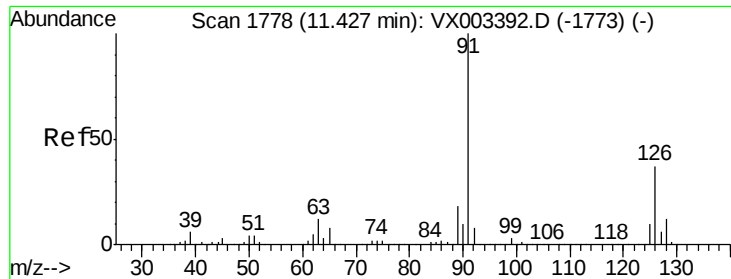
120 23.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

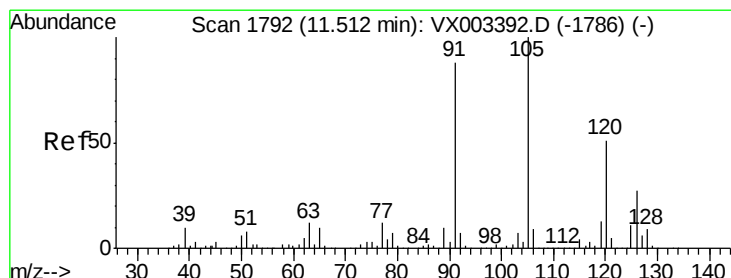
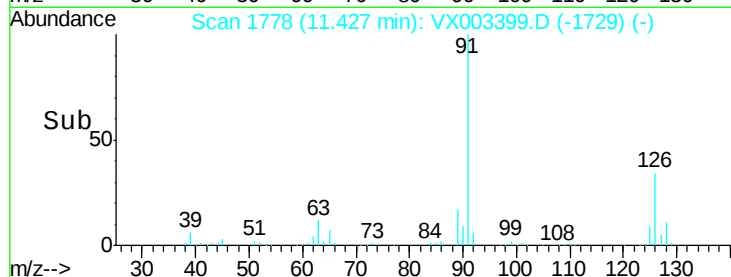
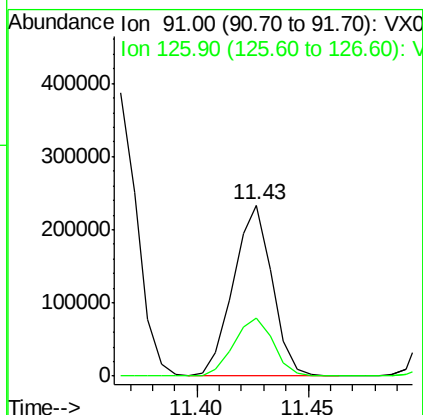
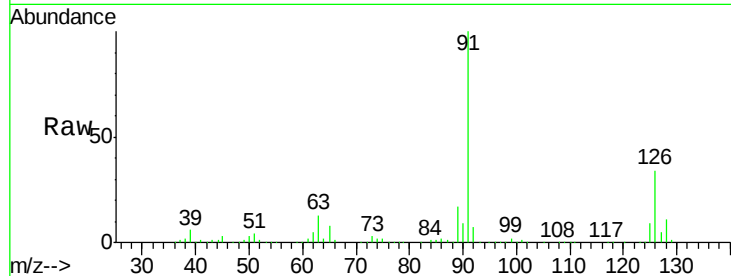




#79
 2-Chlorotoluene
 Concen: 23.69 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

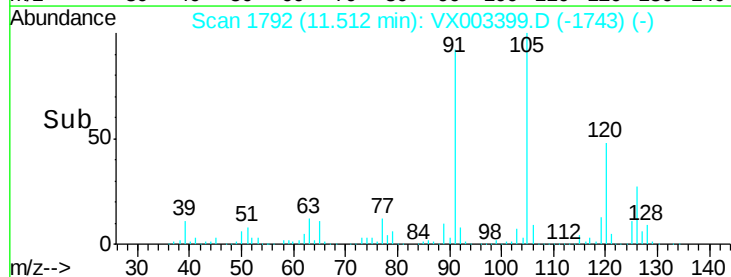
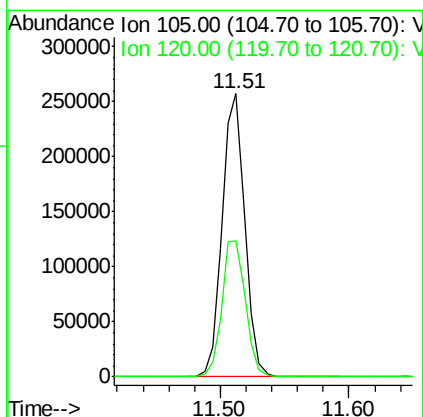
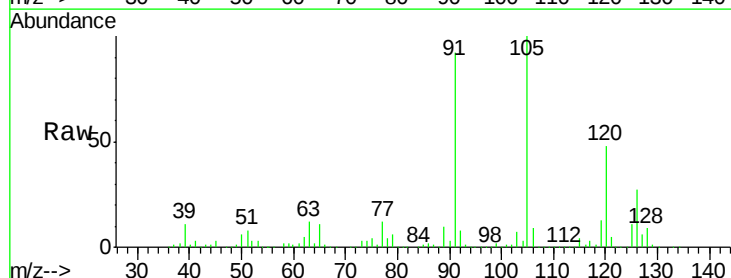
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

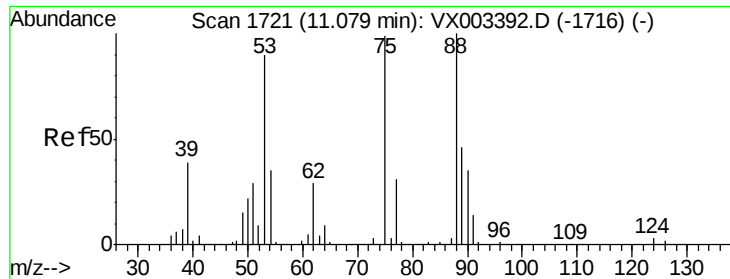
Tot Ion: 91 Resp: 281075
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 22.51 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion: 105 Resp: 318561
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.43 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

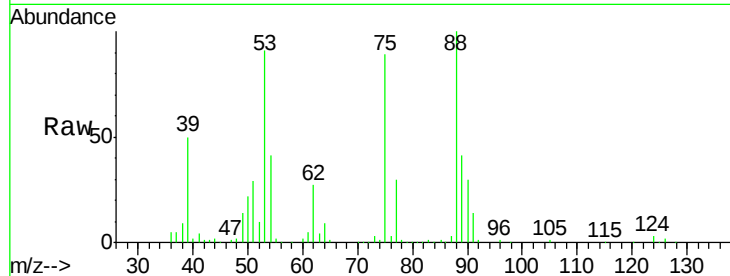
Tot Ion: 75 Resp: 32311

Ion Ratio Lower Upper

75 100

53 95.1 86.8 130.2

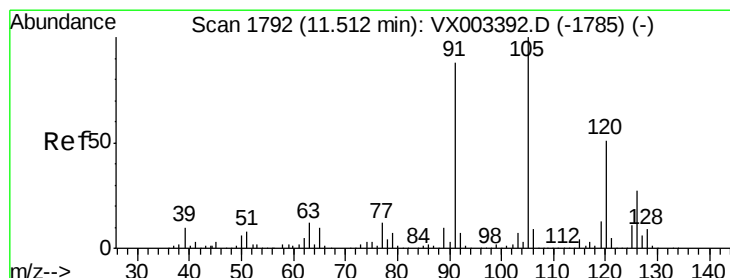
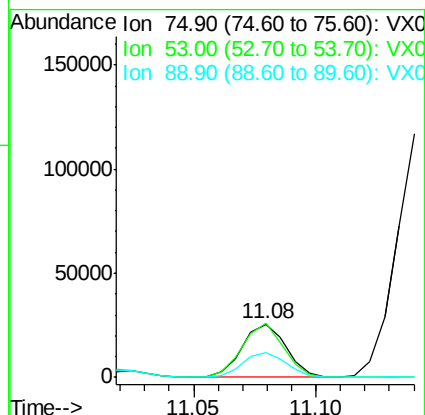
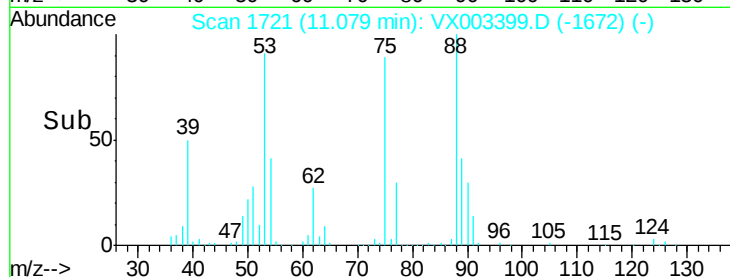
89 45.9 38.2 57.2



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: 21.66 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003399.D

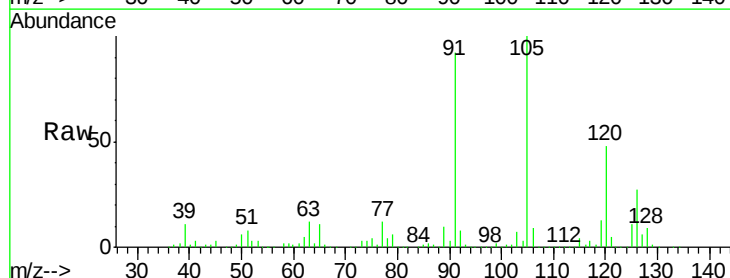
Acq: 16 Jul 2018 19:38

Tgt Ion: 91 Resp: 299809

Ion Ratio Lower Upper

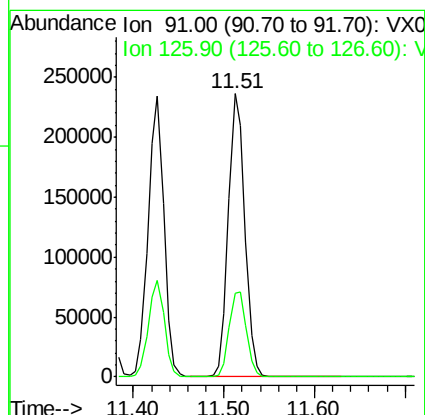
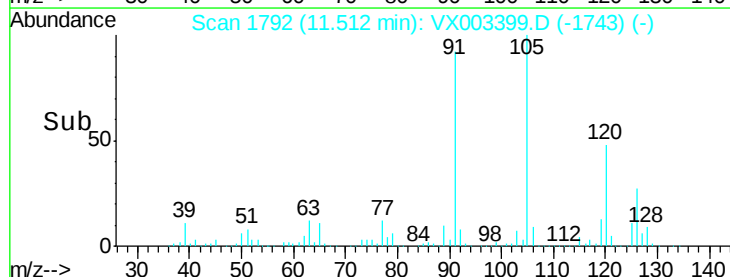
91 100

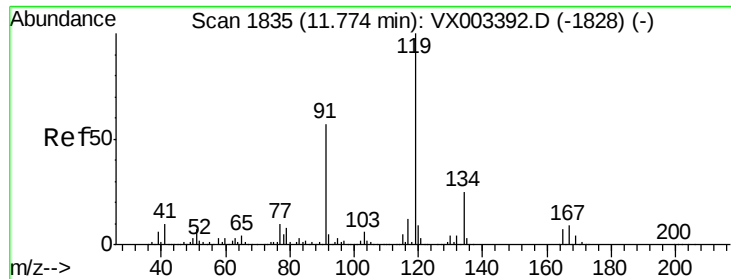
126 31.3 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

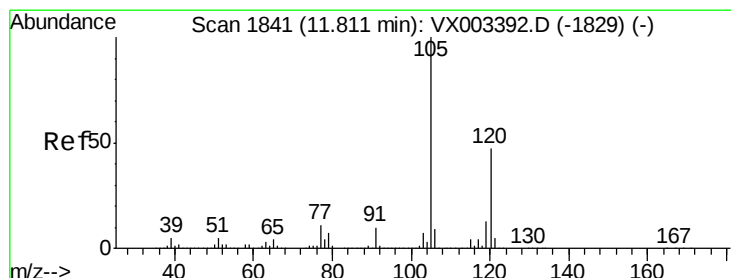
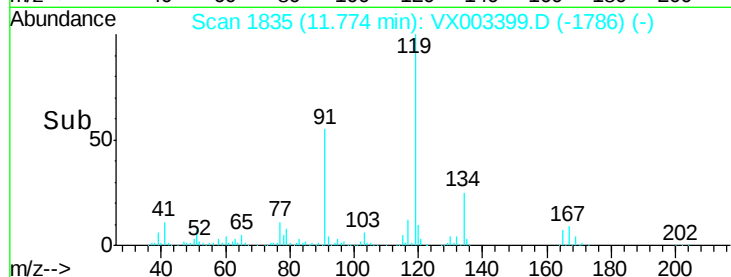
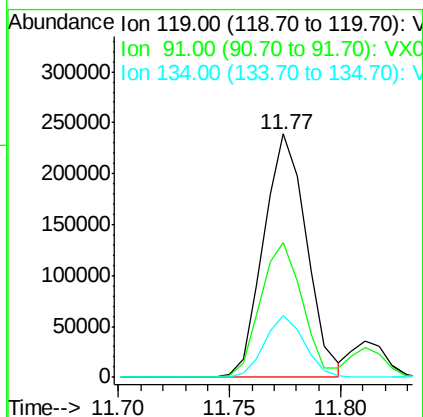
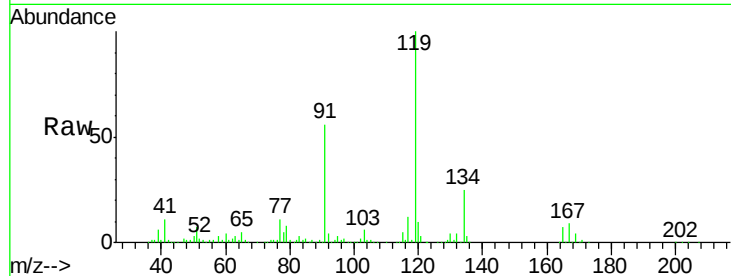




#83
 tert-Butylbenzene
 Concen: 23.15 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

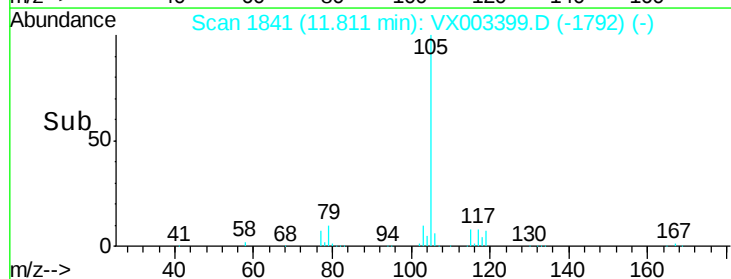
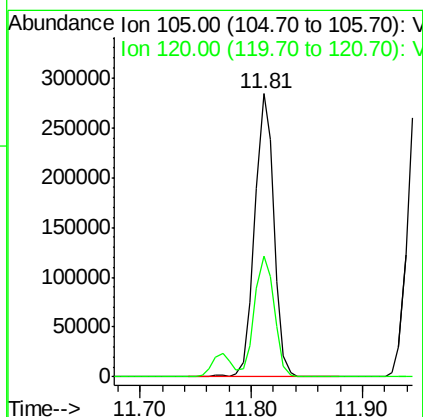
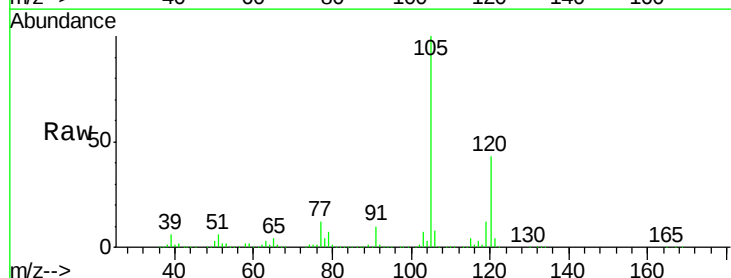
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

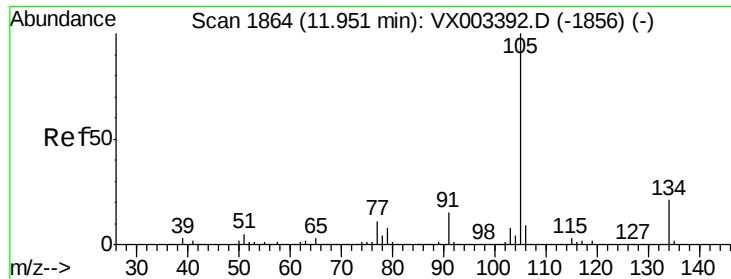
Tot Ion:119 Resp: 320165
 Ion Ratio Lower Upper
 119 100
 91 54.6 30.3 90.9
 134 23.3 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 23.45 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion:105 Resp: 340876
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.3 66.8





#85

sec-Butylbenzene

Concen: 23.47 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

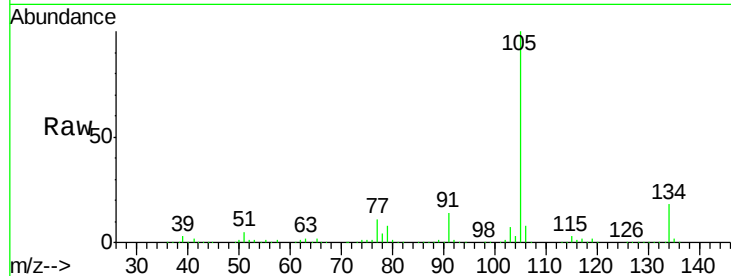
VX0716WBS01

Tot Ion:105 Resp: 393791

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

400000

300000

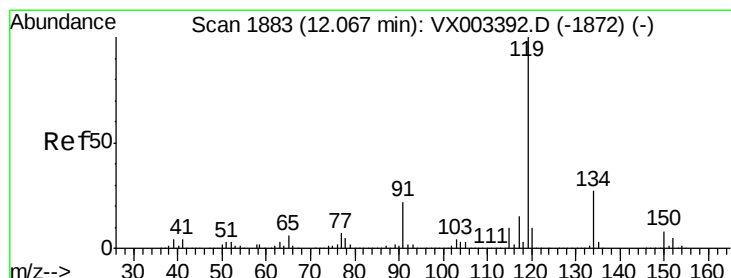
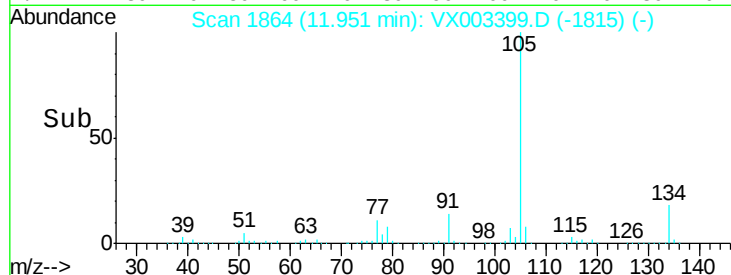
200000

100000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 22.91 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

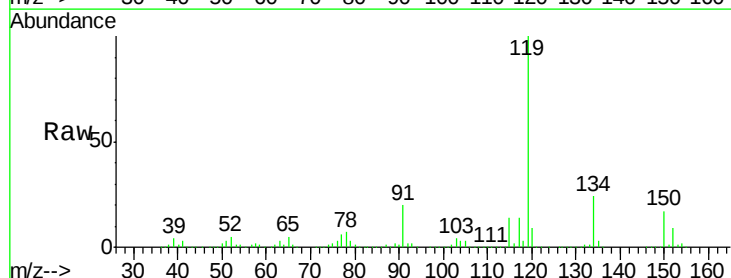
Tgt Ion:119 Resp: 342123

Ion Ratio Lower Upper

119 100

134 25.8 13.4 40.1

91 21.1 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

400000

300000

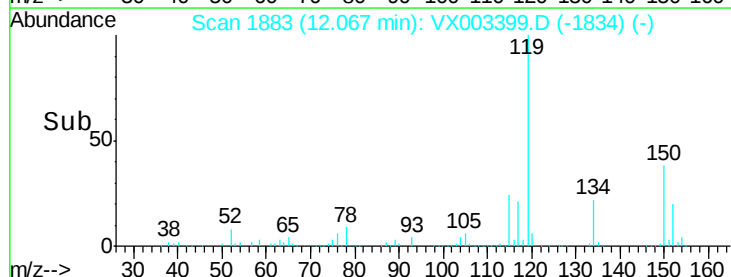
200000

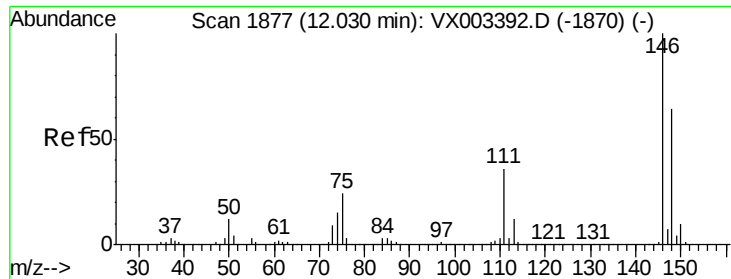
100000

0

Time-->

12.00 12.10

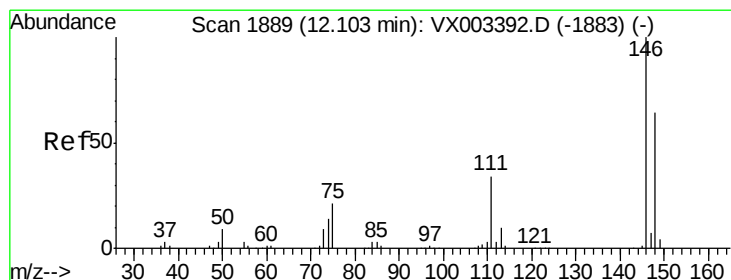
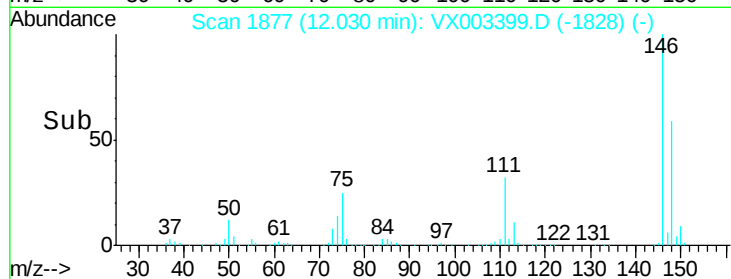
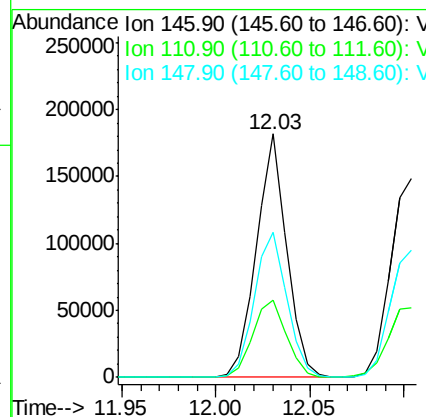
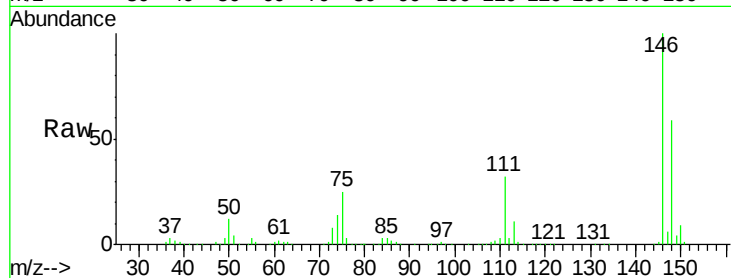




#87
 1,3-Dichlorobenzene
 Concen: 22.53 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

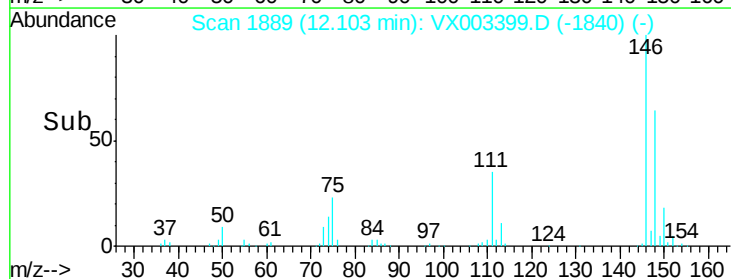
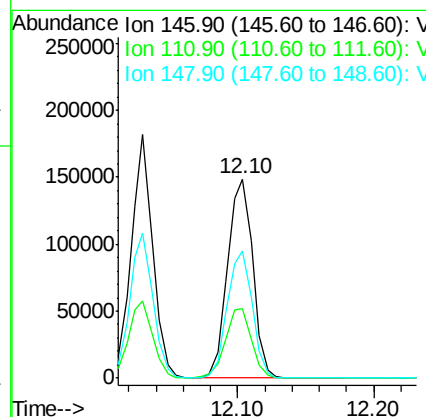
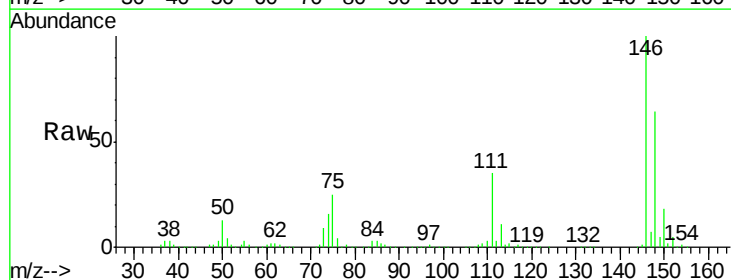
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

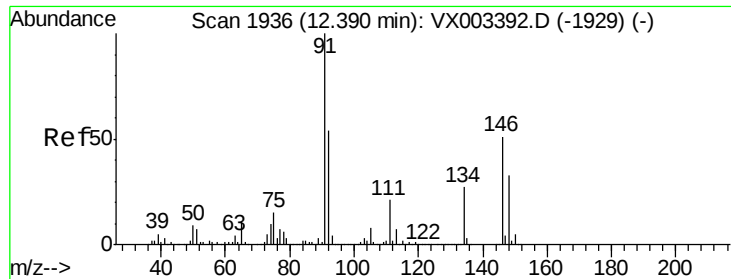
Tot Ion:146 Resp: 202862
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.9 56.7
 148 64.1 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.82 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion:146 Resp: 190368
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.7 56.1
 148 63.5 32.4 97.0

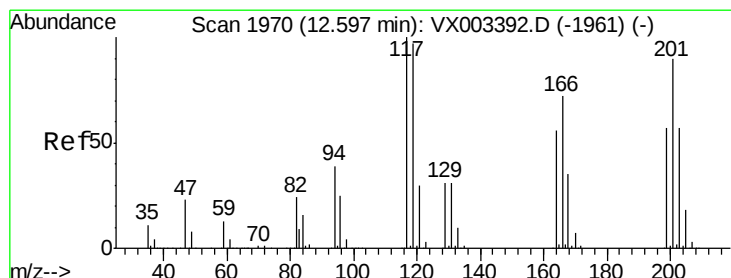
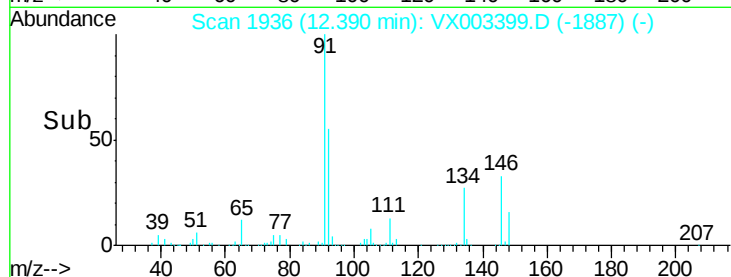
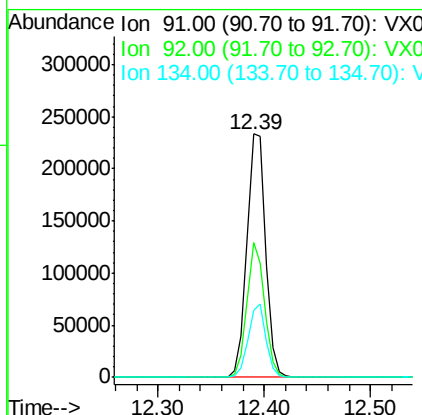
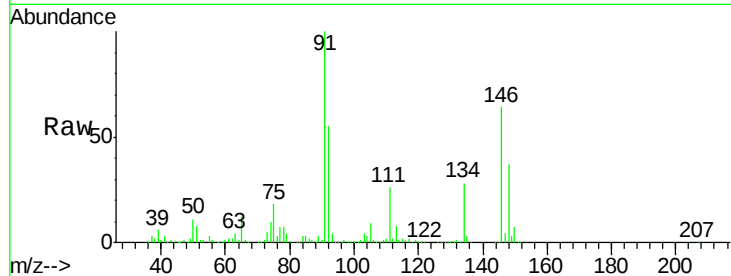




#89
n-Butylbenzene
Concen: 22.77 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

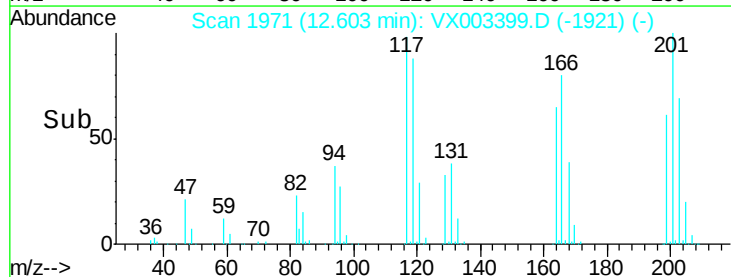
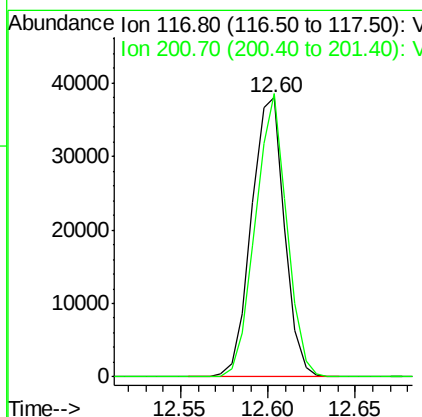
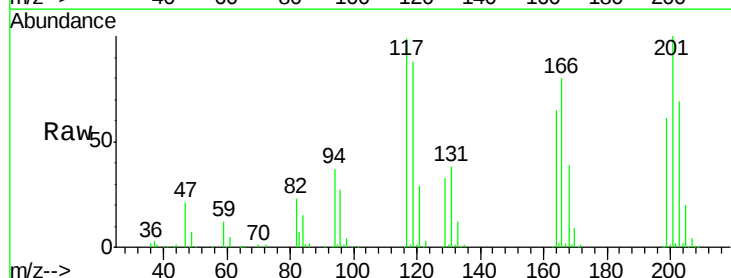
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

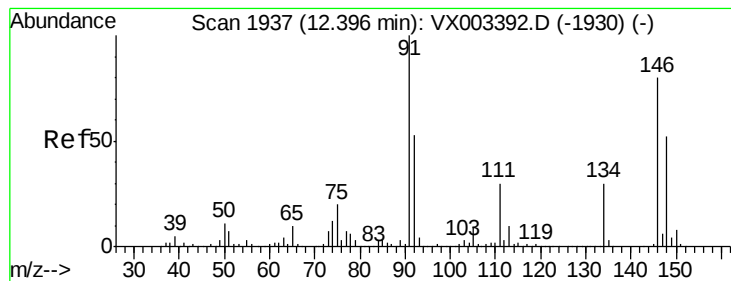
Tot Ion: 91 Resp: 289751
Ion Ratio Lower Upper
91 100
92 51.8 26.0 78.0
134 28.3 13.5 40.5



#90
Hexachloroethane
Concen: 22.20 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX003399.D
Acq: 16 Jul 2018 19:38

Tgt Ion: 117 Resp: 50235
Ion Ratio Lower Upper
117 100
201 96.0 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 23.39 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

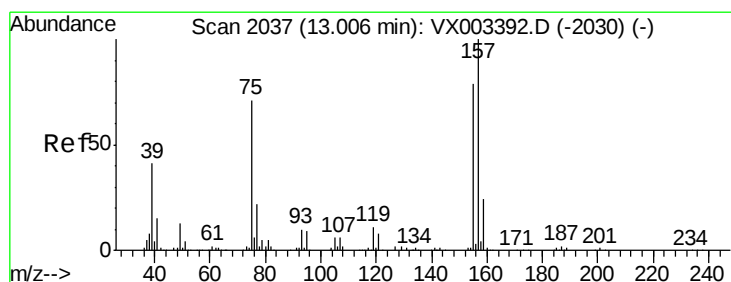
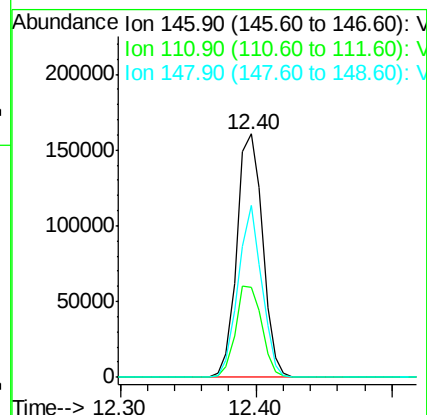
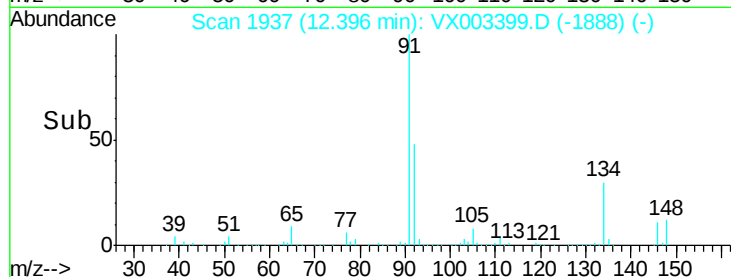
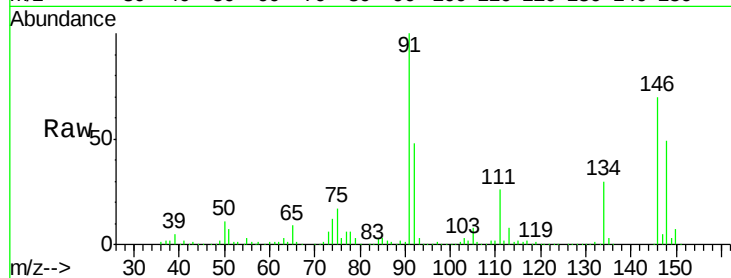
Tot Ion:146 Resp: 211601

Ion Ratio Lower Upper

146 100

111 38.3 19.4 58.1

148 65.0 31.7 95.1



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.77 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

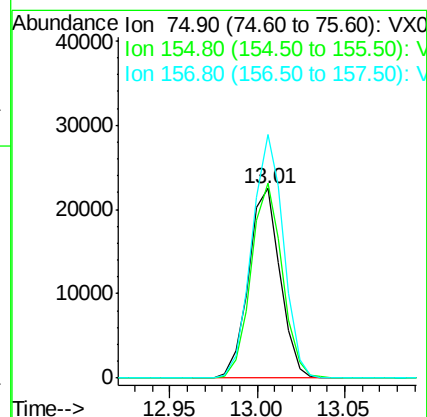
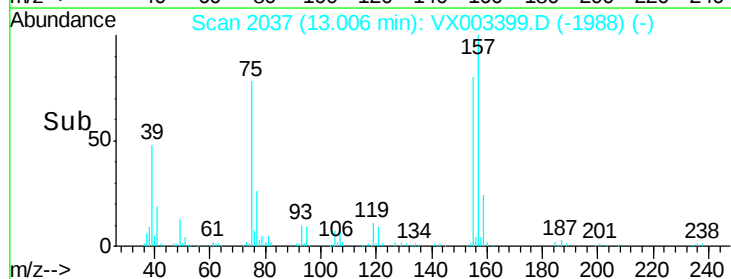
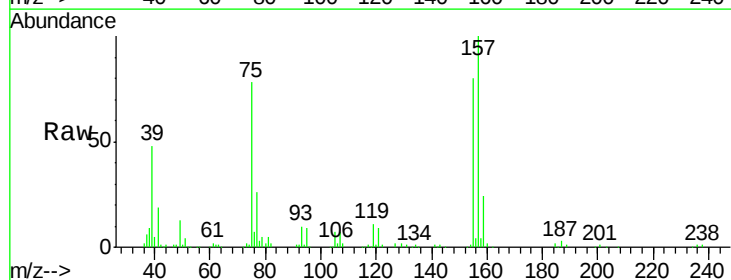
Tgt Ion: 75 Resp: 28279

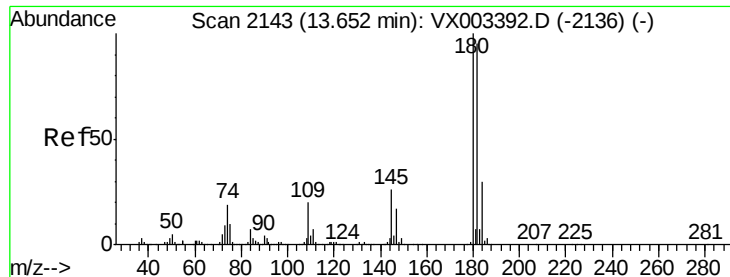
Ion Ratio Lower Upper

75 100

155 100.7 45.8 137.4

157 128.3 60.1 180.3

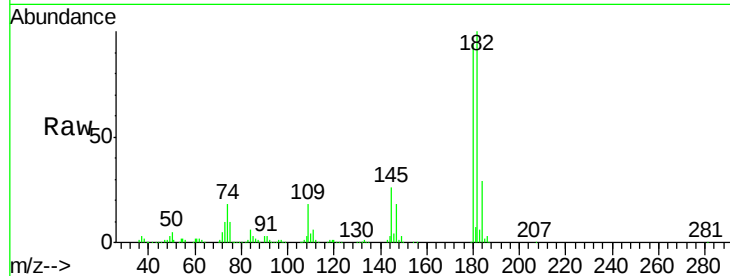




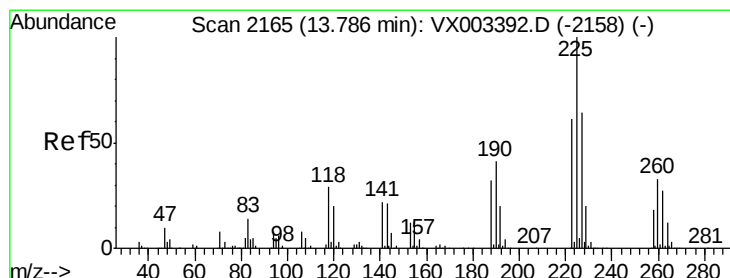
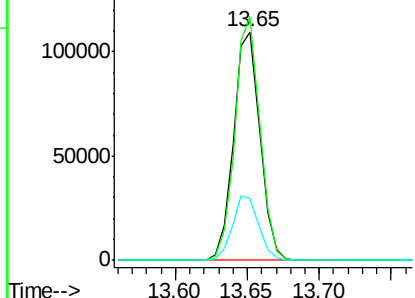
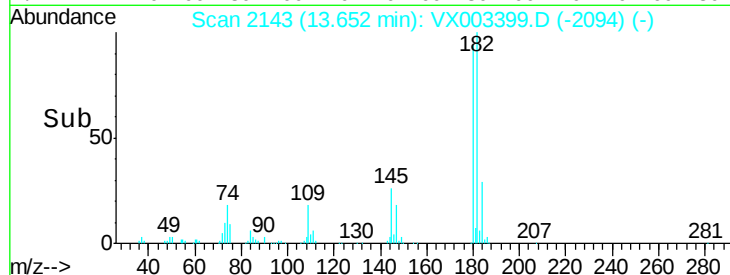
#93
 1,2,4-Trichlorobenzene
 Concen: 22.68 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion:180 Resp: 140372
 Ion Ratio Lower Upper
 180 100
 182 101.3 47.7 143.1
 145 28.2 14.1 42.4

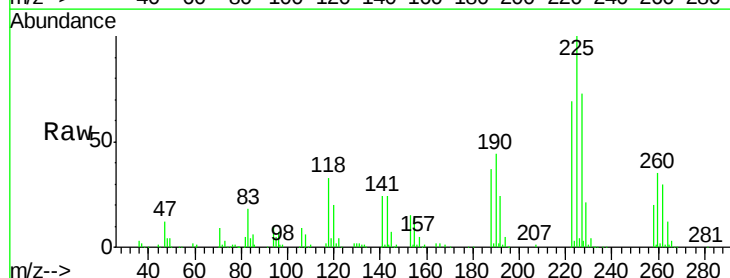


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

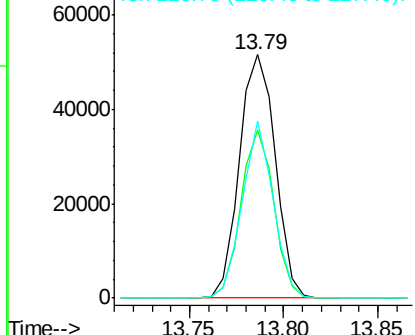
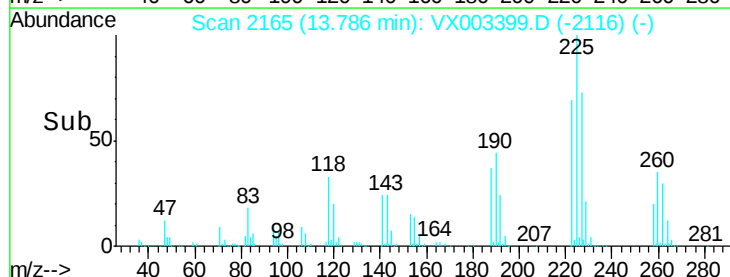


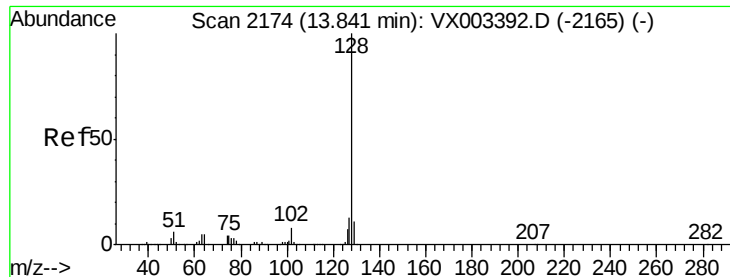
#94
 Hexachlorobutadiene
 Concen: 22.84 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003399.D
 Acq: 16 Jul 2018 19:38

Tgt Ion:225 Resp: 68058
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.6 95.0
 227 62.9 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: 24.51 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

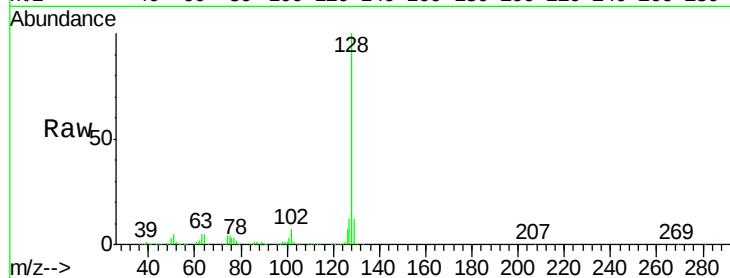
Tot Ion:128 Resp: 434760

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

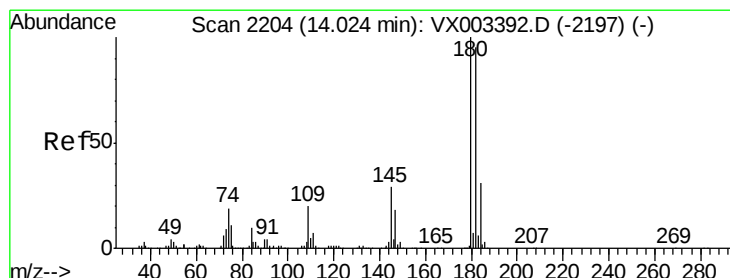
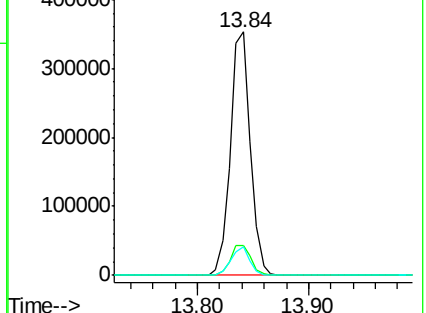
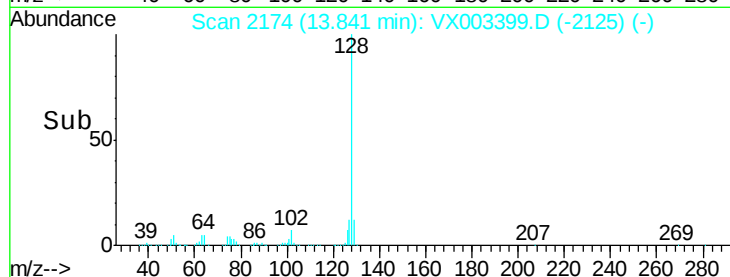
129 11.0 8.6 13.0



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: 24.50 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003399.D

Acq: 16 Jul 2018 19:38

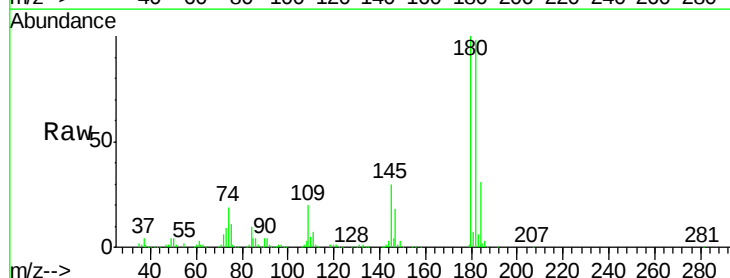
Tgt Ion:180 Resp: 155963

Ion Ratio Lower Upper

180 100

182 98.6 48.0 144.0

145 29.4 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

