

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
 Data File : VX003672.D
 Acq On : 26 Jul 2018 16:10
 Operator : JC/SP
 Sample : VX0726WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS01

Quant Time: Jul 27 05:34:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	116782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	170831	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	163990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	89109	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
35) Dibromofluoromethane	5.51	113	72556	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
50) Toluene-d8	8.72	98	275801	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	11.14	95	100425	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	23585	17.73	ug/l	99
3) Chloromethane	1.32	50	31751	18.12	ug/l	99
4) Vinyl Chloride	1.40	62	34024	18.99	ug/l	97
5) Bromomethane	1.64	94	19607	22.66	ug/l	92
6) Chloroethane	1.73	64	23764	18.96	ug/l	100
7) Trichlorofluoromethane	1.93	101	44923	19.48	ug/l	95
8) Diethyl Ether	2.19	74	18699	18.50	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	29013	20.44	ug/l	98
10) Methyl Iodide	2.51	142	34645	20.13	ug/l	100
11) Tert butyl alcohol	3.05	59	39137	94.65	ug/l	100
12) 1,1-Dichloroethene	2.38	96	25669	19.00	ug/l	93
13) Acrolein	2.29	56	21724	106.25	ug/l	96
14) Allyl chloride	2.73	41	52533	18.66	ug/l	97
15) Acrylonitrile	3.14	53	95773	95.86	ug/l	99
16) Acetone	2.44	43	77635	95.53	ug/l	99
17) Carbon Disulfide	2.57	76	71314	18.35	ug/l	100
18) Methyl Acetate	2.78	43	48179	19.63	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	91576	19.20	ug/l	97
20) Methylene Chloride	2.86	84	30619	19.01	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	28233	19.44	ug/l	99
22) Diisopropyl ether	3.87	45	101256	19.70	ug/l	# 85
23) Vinyl Acetate	3.82	43	430325	97.71	ug/l	100
24) 1,1-Dichloroethane	3.70	63	55199	19.05	ug/l	99
25) 2-Butanone	4.70	43	132794	105.77	ug/l	99
26) 2,2-Dichloropropane	4.59	77	37283	20.35	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	32146	20.38	ug/l	98
28) Bromochloromethane	5.03	49	23453	20.17	ug/l	97
29) Tetrahydrofuran	5.16	42	84632	103.55	ug/l	99
30) Chloroform	5.22	83	53119	20.21	ug/l	98
31) Cyclohexane	5.58	56	45961	19.76	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	43102	19.75	ug/l	97
36) 1,1-Dichloropropene	5.80	75	37495	18.78	ug/l	100
37) Ethyl Acetate	4.86	43	49992	20.82	ug/l	99
38) Carbon Tetrachloride	5.78	117	37265	19.36	ug/l	90

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Instrument :
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 ClientSampleId :
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Quant Time: Jul 27 05:34:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	43009	19.57	ug/l	97
40) Benzene	6.15	78	121960	20.64	ug/l	99
41) Methacrylonitrile	5.06	41	28080	21.12	ug/l	98
42) 1,2-Dichloroethane	6.20	62	42377	20.38	ug/l	100
43) Isopropyl Acetate	6.47	43	68817	19.65	ug/l	100
44) Trichloroethene	7.21	130	30575	19.30	ug/l	99
45) 1,2-Dichloropropane	7.52	63	30671	20.08	ug/l	96
46) Dibromomethane	7.66	93	19523	19.90	ug/l	99
47) Bromodichloromethane	7.90	83	35588	19.34	ug/l	98
48) Methyl methacrylate	7.78	41	34943	19.66	ug/l	98
49) 1,4-Dioxane	7.76	88	15175	382.67	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	229821	97.24	ug/l	99
52) Toluene	8.79	92	73233	19.94	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	39445	19.36	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	43636	19.47	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	29578	19.70	ug/l	98
56) Ethyl methacrylate	9.18	69	43304	19.38	ug/l	97
57) 1,3-Dichloropropane	9.37	76	50183	19.91	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	115876	103.21	ug/l	100
59) 2-Hexanone	9.50	43	177867	98.11	ug/l	99
60) Dibromochloromethane	9.59	129	28135	19.76	ug/l	100
61) 1,2-Dibromoethane	9.68	107	30835	19.72	ug/l	99
64) Tetrachloroethene	9.34	164	28358	18.91	ug/l	97
65) Chlorobenzene	10.14	112	81143	19.66	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	27693	19.30	ug/l	98
67) Ethyl Benzene	10.26	91	136449	19.75	ug/l	99
68) m/p-Xylenes	10.36	106	106898	40.34	ug/l	99
69) o-Xylene	10.70	106	49939	19.57	ug/l	98
70) Styrene	10.71	104	85413	19.93	ug/l	99
71) Bromoform	10.86	173	21245	18.73	ug/l #	99
73) Isopropylbenzene	11.02	105	138041	20.16	ug/l	99
74) N-amyl acetate	6.47	43	68817	19.27	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	47974	18.97	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	52523	24.99	ug/l	84
77) Bromobenzene	11.26	156	36368	19.55	ug/l	99
78) n-propylbenzene	11.36	91	161289	20.40	ug/l	99
79) 2-Chlorotoluene	11.42	91	95898	19.95	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	117332	20.25	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	12920	19.04	ug/l	95
82) 4-Chlorotoluene	11.51	91	114035	20.14	ug/l	99
83) tert-Butylbenzene	11.77	119	112202	19.79	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	120954	20.31	ug/l	100
85) sec-Butylbenzene	11.95	105	137160	20.27	ug/l	100
86) p-Isopropyltoluene	12.07	119	123150	20.28	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	67801	19.57	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	69464	19.29	ug/l	99
89) n-Butylbenzene	12.39	91	107533	19.65	ug/l	99
90) Hexachloroethane	12.60	117	18914	20.56	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	68309	19.30	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	9989	18.98	ug/l	97

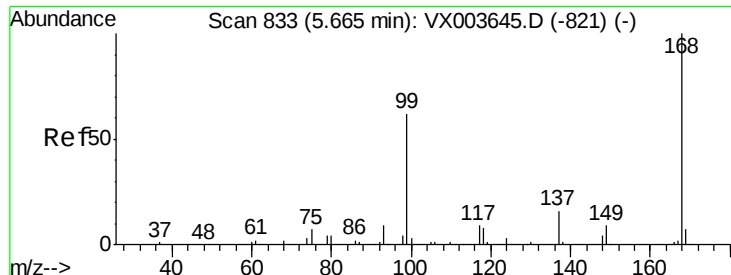
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QLast Update : Fri Jul 27 02:16:51 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	47952	18.99	ug/l	100
94) Hexachlorobutadiene	13.79	225	22288	19.08	ug/l	98
95) Naphthalene	13.83	128	144226	18.88	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	49411	19.26	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

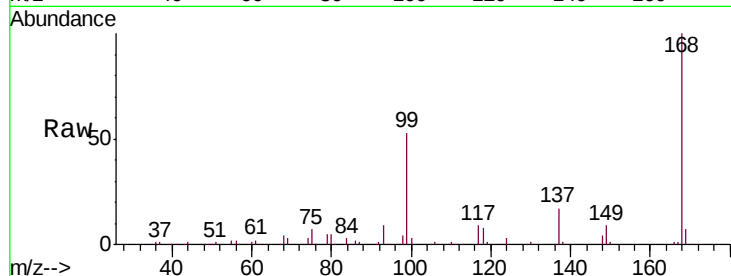
VX0726WBS01

Tot Ion:168 Resp: 116782

Ion Ratio Lower Upper

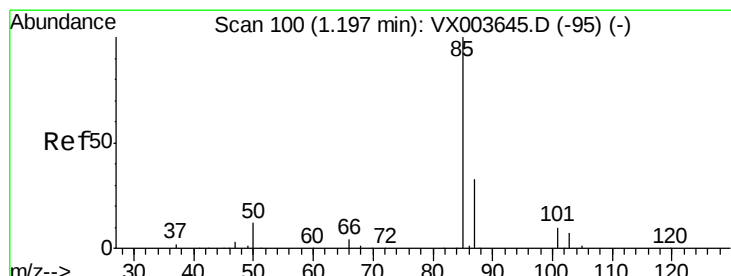
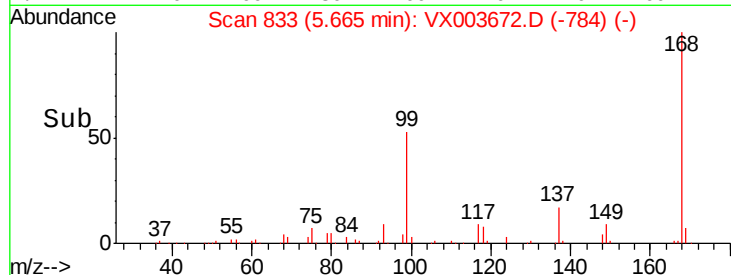
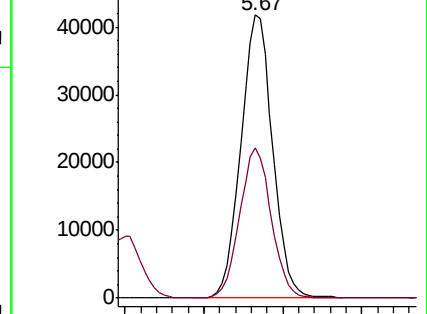
168 100

99 53.0 49.5 74.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.73 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003672.D

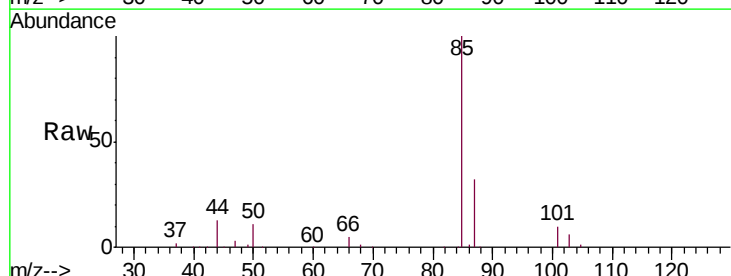
Acq: 26 Jul 2018 16:10

Tgt Ion: 85 Resp: 23585

Ion Ratio Lower Upper

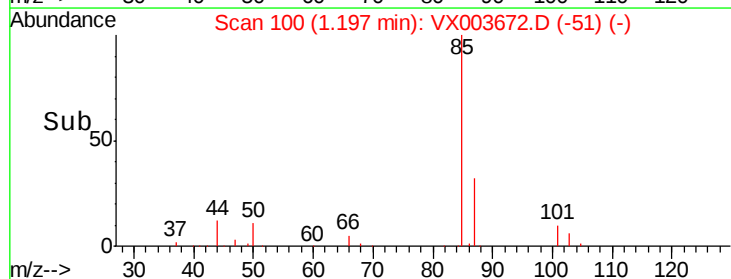
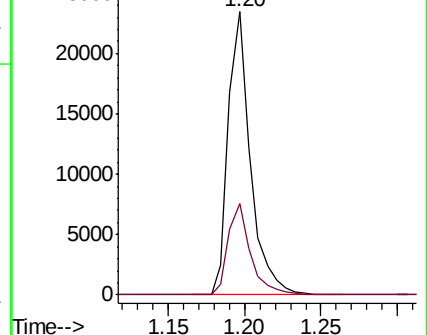
85 100

87 32.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.12 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

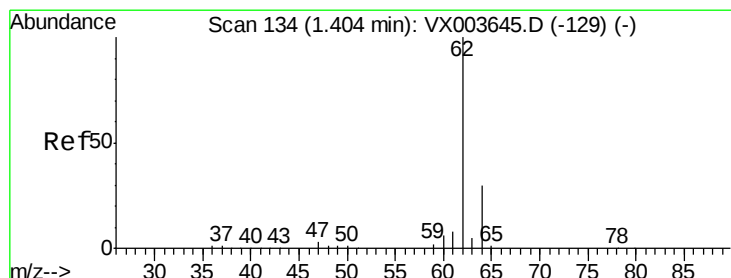
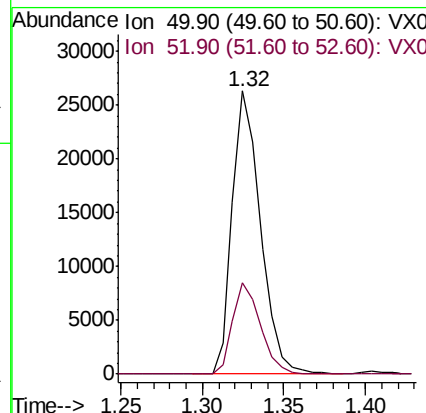
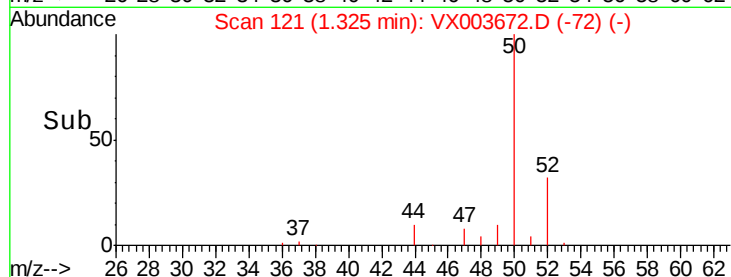
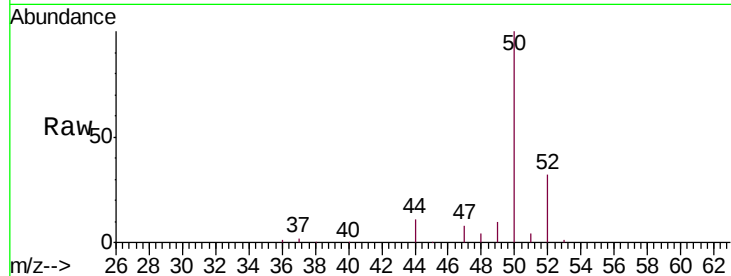
VX0726WBS01

Tot Ion: 50 Resp: 31751

Ion Ratio Lower Upper

50 100

52 32.3 26.3 39.5



#4

Vinyl Chloride

Concen: 18.99 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003672.D

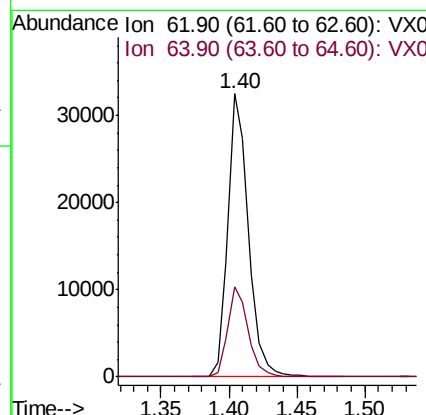
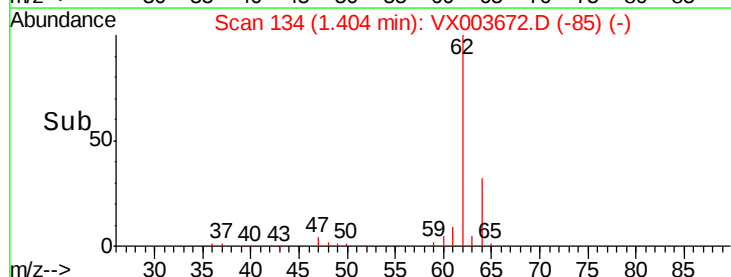
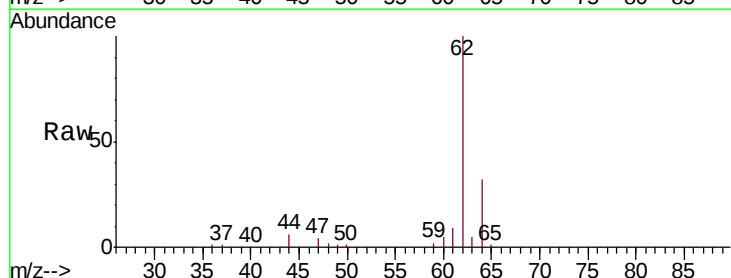
Acq: 26 Jul 2018 16:10

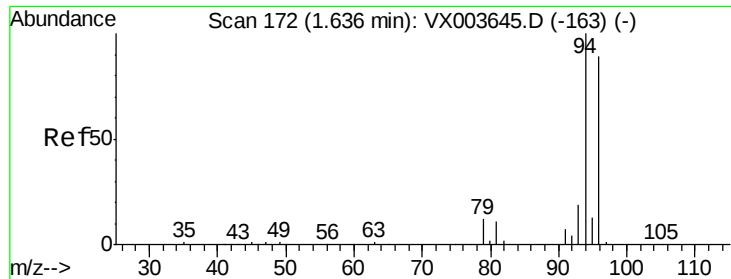
Tgt Ion: 62 Resp: 34024

Ion Ratio Lower Upper

62 100

64 32.0 24.4 36.6





#5

Bromomethane

Concen: 22.66 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

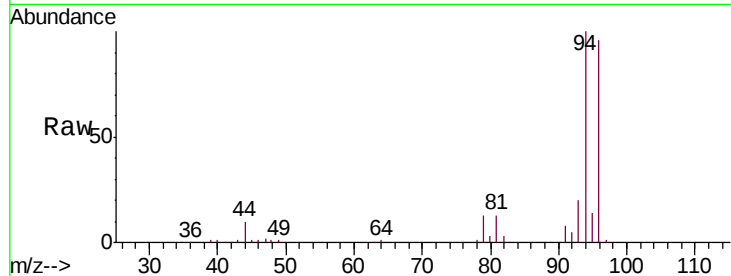
VX0726WBS01

Tot Ion: 94 Resp: 19607

Ion Ratio Lower Upper

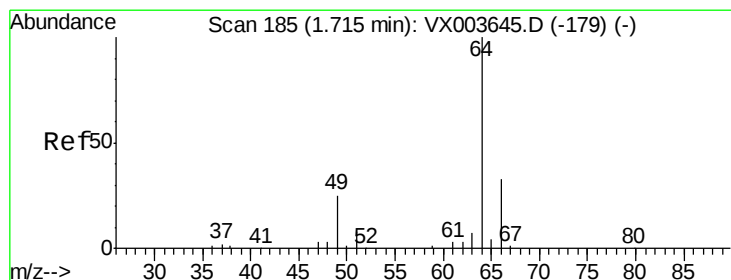
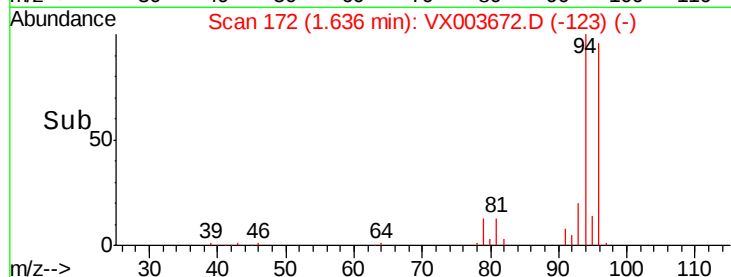
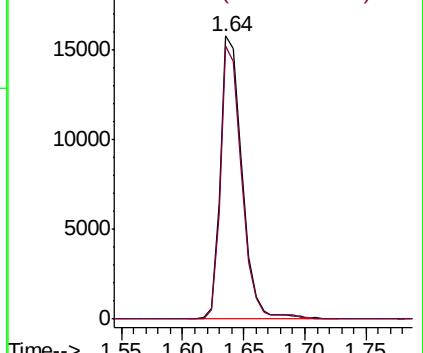
94 100

96 96.3 71.3 106.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.96 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003672.D

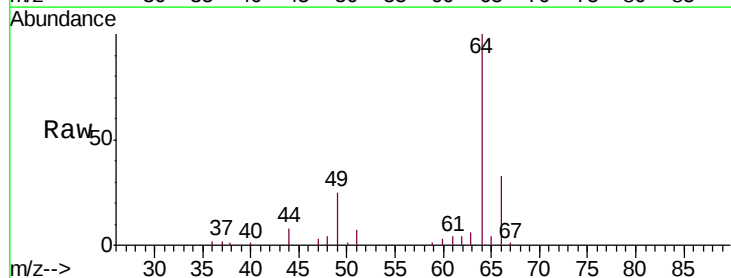
Acq: 26 Jul 2018 16:10

Tgt Ion: 64 Resp: 23764

Ion Ratio Lower Upper

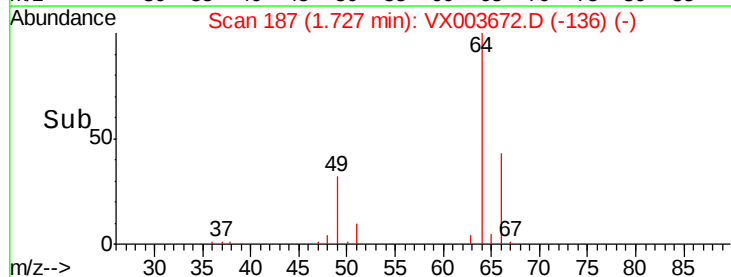
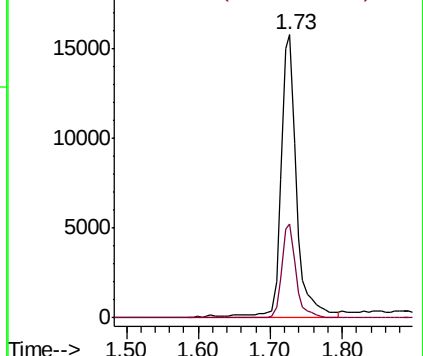
64 100

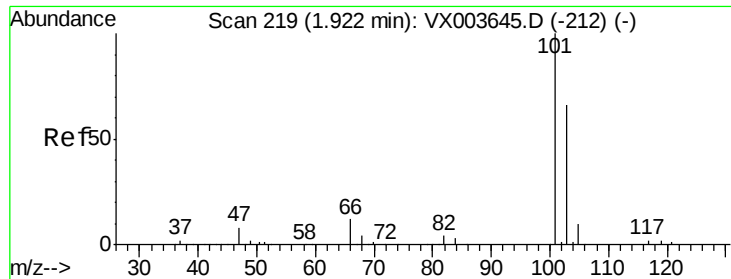
66 33.1 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



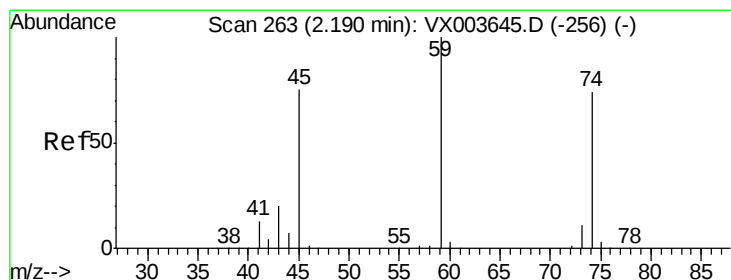
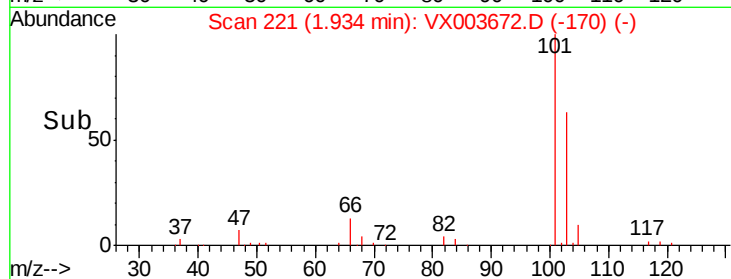
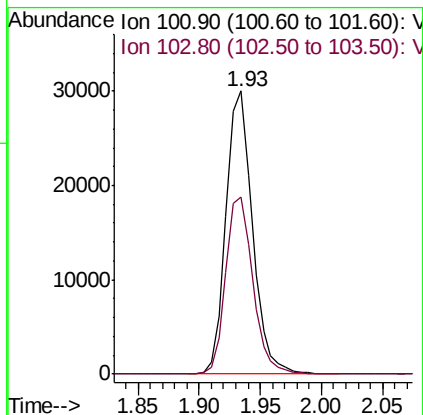
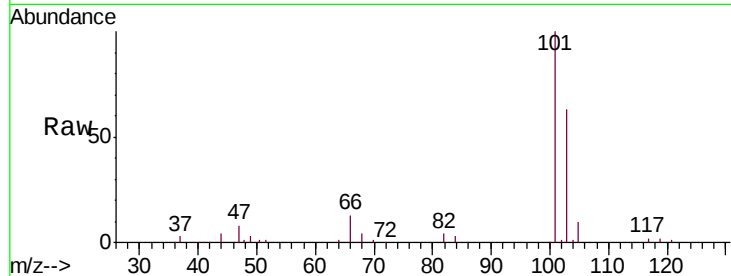


#7

Trichlorofluoromethane
 Concen: 19.48 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS01

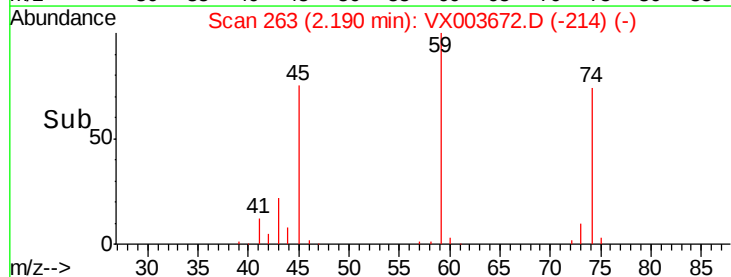
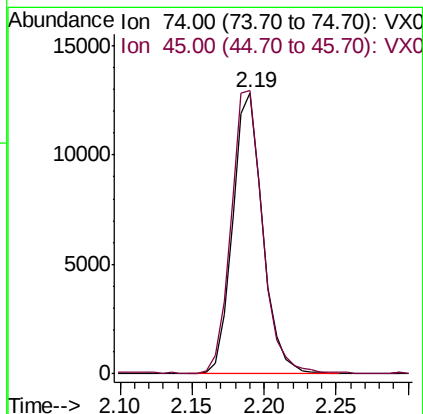
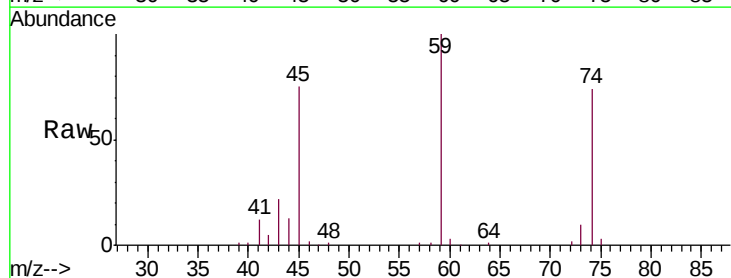
Tot Ion:101 Resp: 44923
 Ion Ratio Lower Upper
 101 100
 103 62.8 53.2 79.8

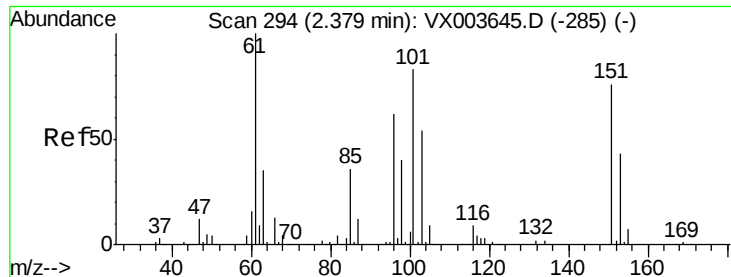


#8

Diethyl Ether
 Concen: 18.50 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Tgt Ion: 74 Resp: 18699
 Ion Ratio Lower Upper
 74 100
 45 106.3 51.0 153.1

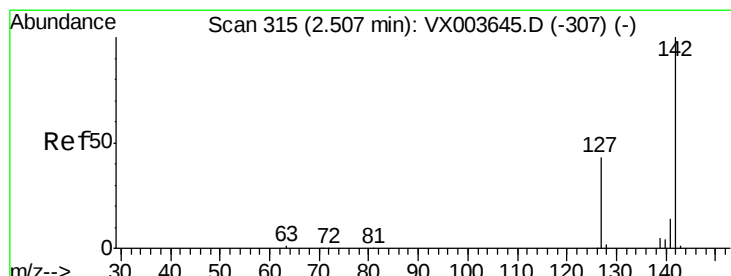
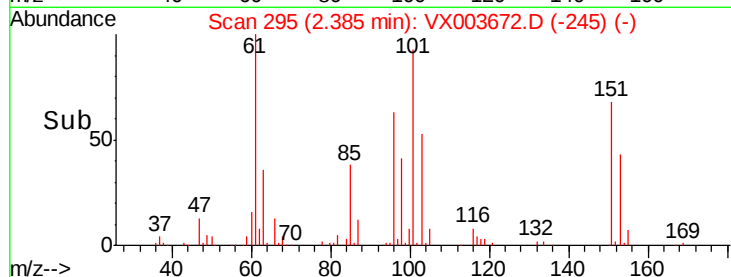
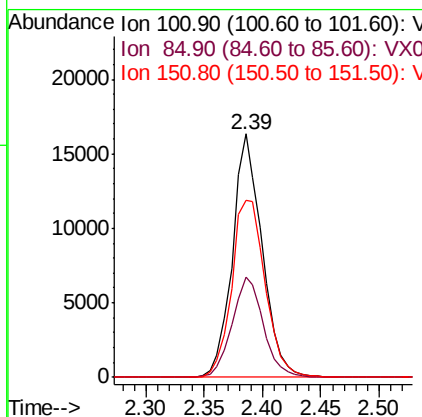
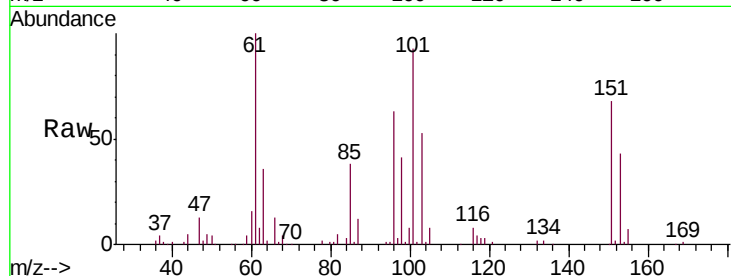




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.44 ug/l
 RT: 2.39 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

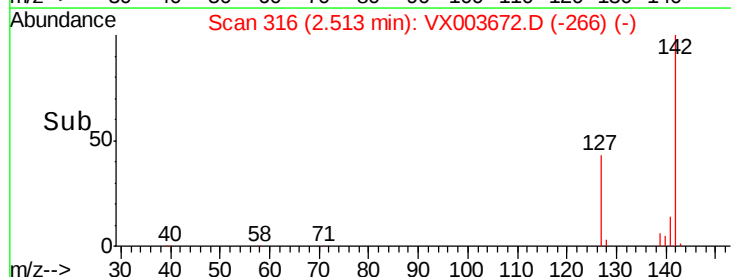
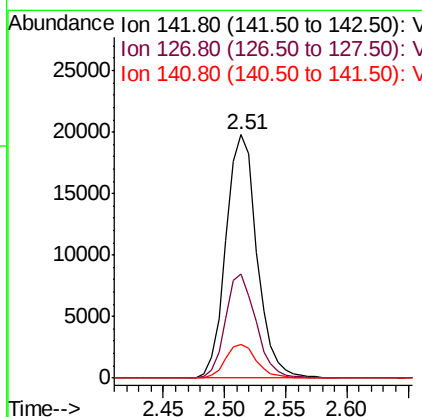
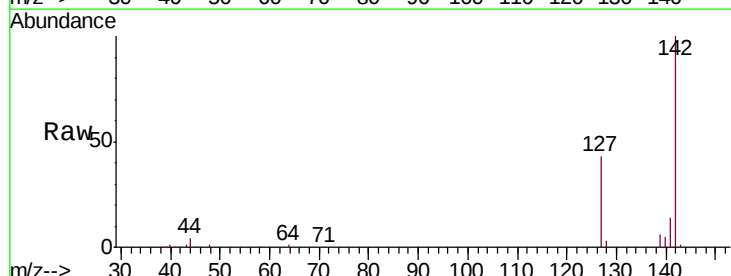
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS01

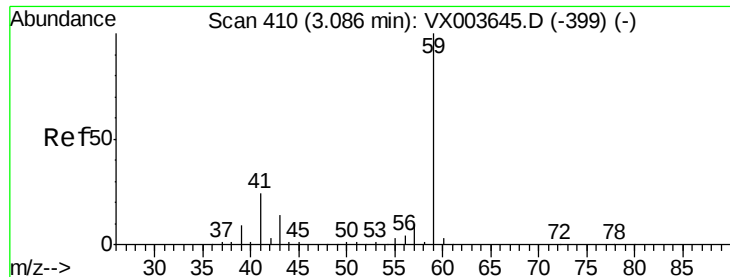
Tot Ion:101 Resp: 29013
 Ion Ratio Lower Upper
 101 100
 85 43.1 34.6 52.0
 151 82.2 67.5 101.3



#10
 Methyl Iodide
 Concen: 20.13 ug/l
 RT: 2.51 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Tgt Ion:142 Resp: 34645
 Ion Ratio Lower Upper
 142 100
 127 42.3 34.0 51.0
 141 13.7 11.3 16.9

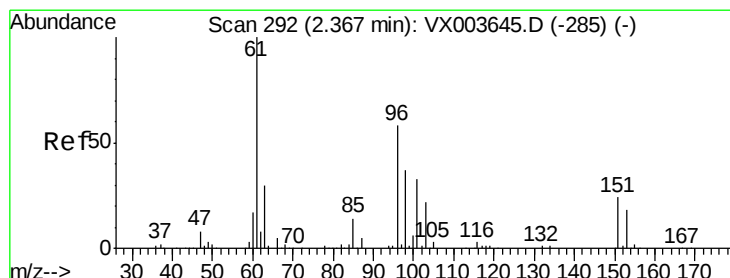
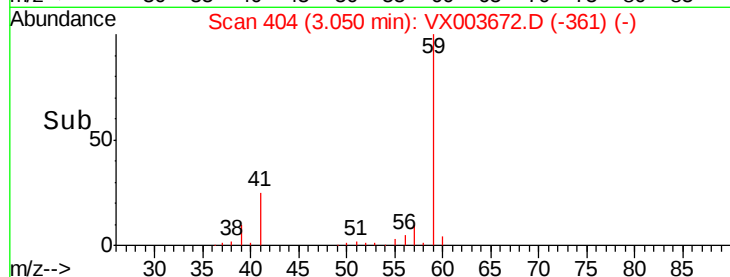
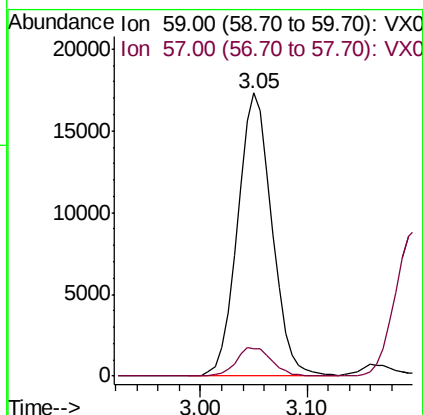
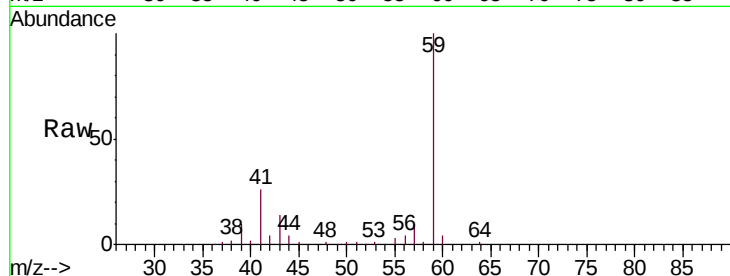




#11
Tert butyl alcohol
Concen: 94.65 ug/l
RT: 3.05 min Scan# 404
Delta R.T. -0.04 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

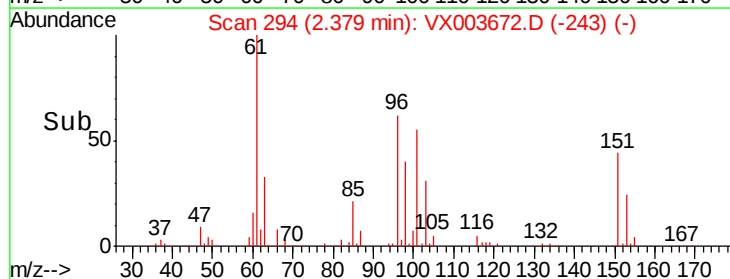
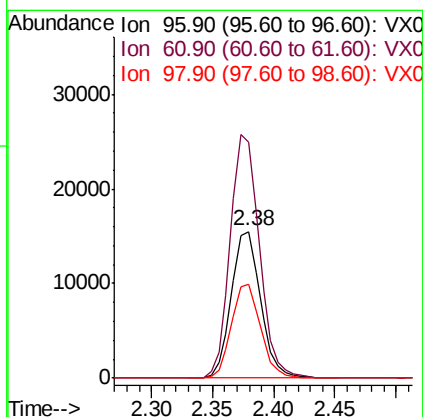
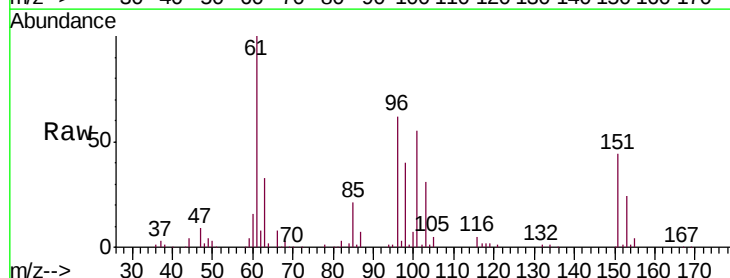
Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS01

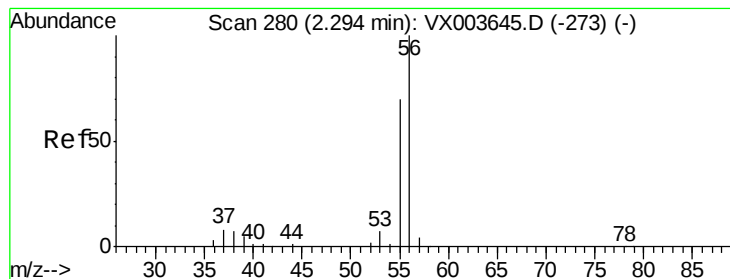
Tot Ion: 59 Resp: 39137
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4



#12
1,1-Dichloroethene
Concen: 19.00 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

Tgt Ion: 96 Resp: 25669
Ion Ratio Lower Upper
96 100
61 160.7 138.8 208.2
98 64.1 51.4 77.2





#13

Acrolein

Concen: 106.25 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

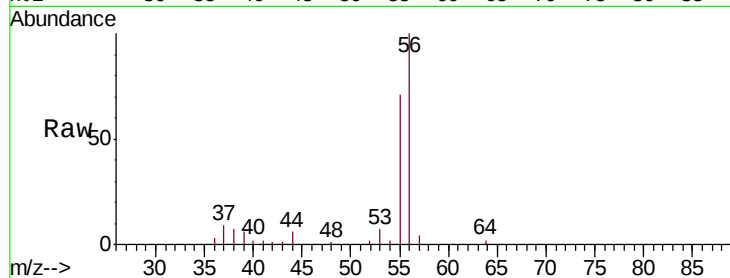
VX0726WBS01

Tot Ion: 56 Resp: 21724

Ion Ratio Lower Upper

56 100

55 72.6 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

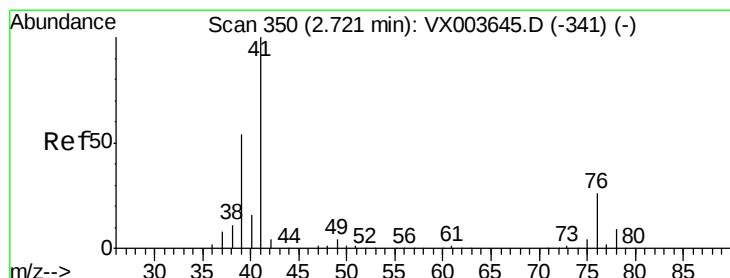
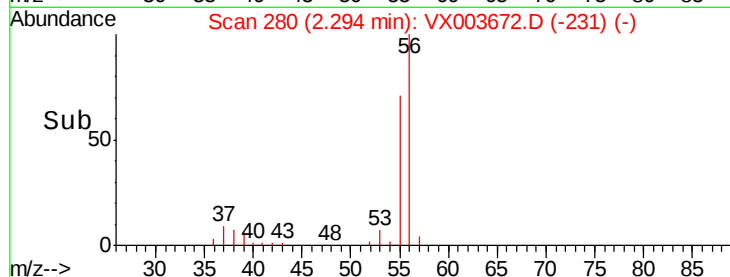
15000

10000

5000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 18.66 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.01 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

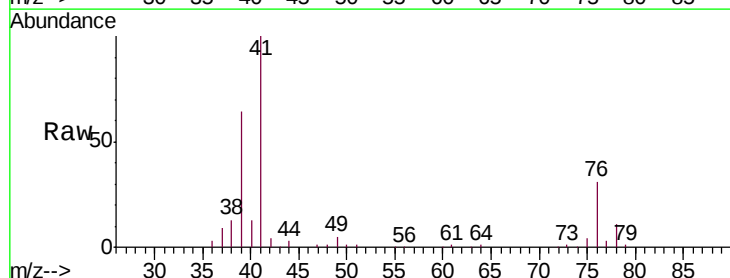
Tgt Ion: 41 Resp: 52533

Ion Ratio Lower Upper

41 100

39 59.7 45.3 67.9

76 30.3 23.8 35.6



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

40000

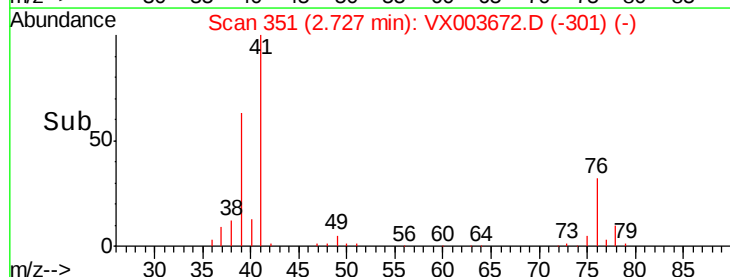
30000

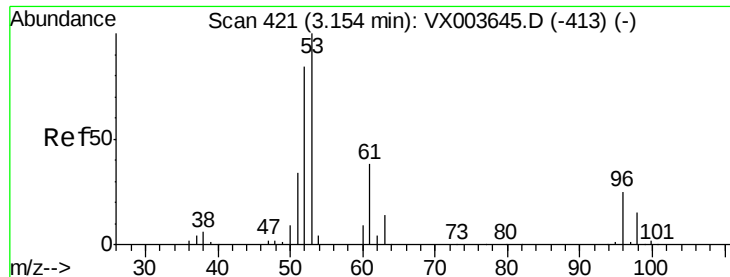
20000

10000

0

Time--> 2.60 2.70 2.80

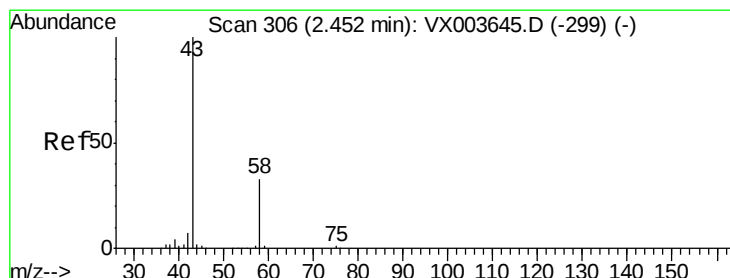
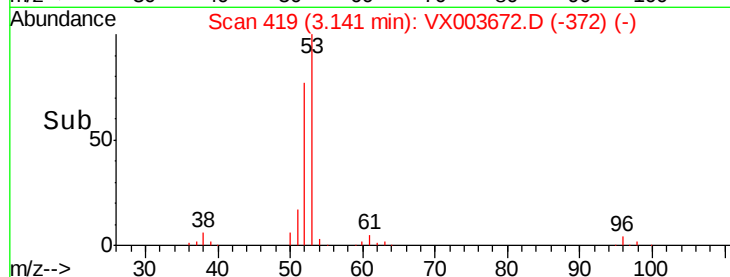
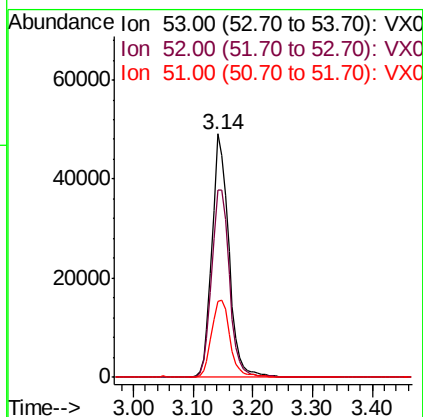
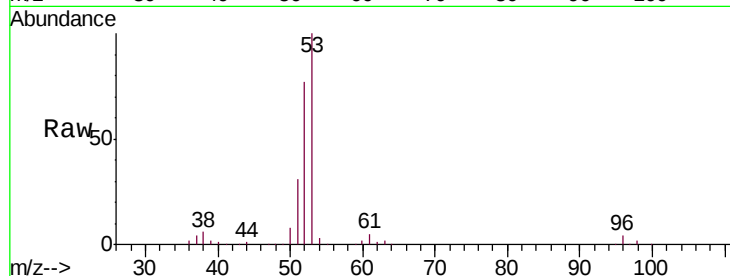




#15
 Acrylonitrile
 Concen: 95.86 ug/l
 RT: 3.14 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

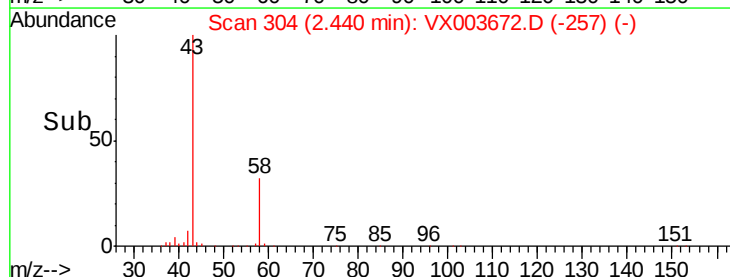
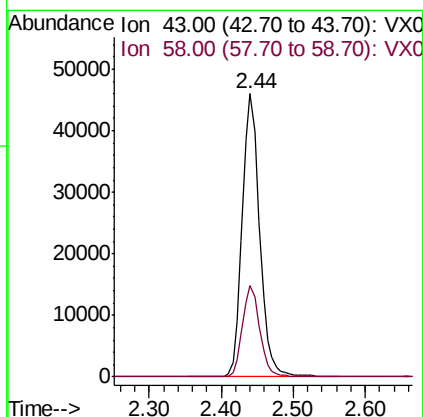
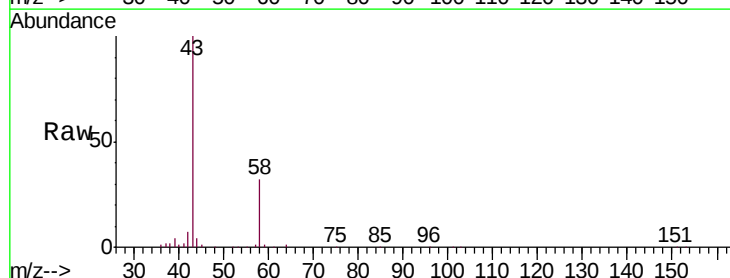
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS01

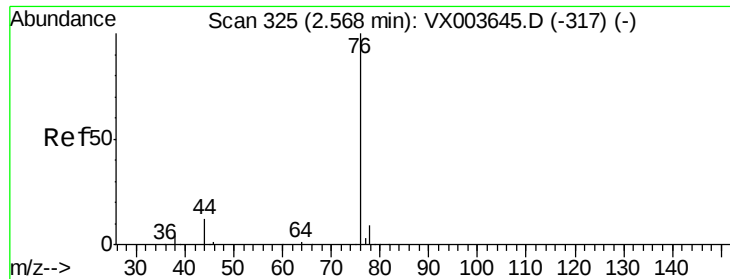
Tot Ion: 53 Resp: 95773
 Ion Ratio Lower Upper
 53 100
 52 81.8 66.1 99.1
 51 35.3 28.2 42.4



#16
 Acetone
 Concen: 95.53 ug/l
 RT: 2.44 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Tgt Ion: 43 Resp: 77635
 Ion Ratio Lower Upper
 43 100
 58 32.3 26.1 39.1

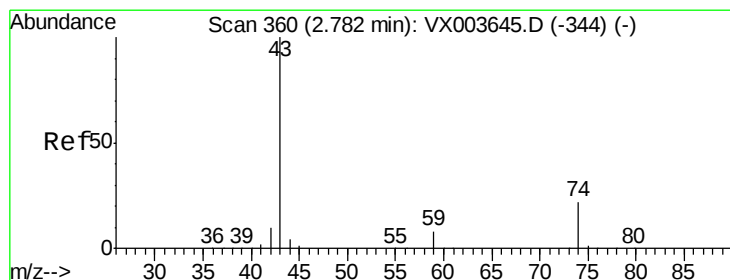
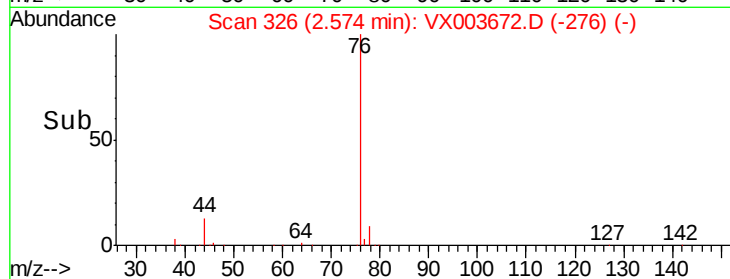
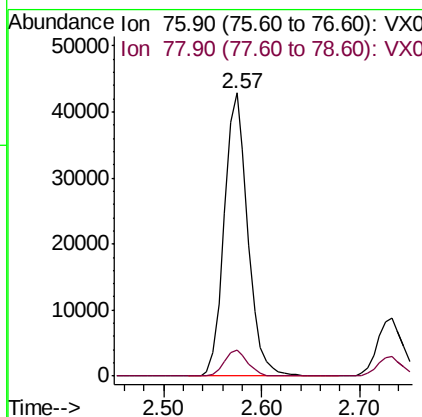
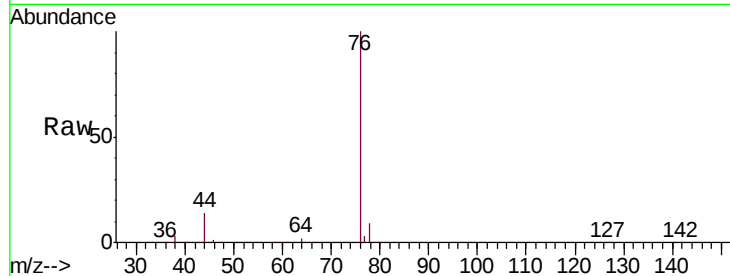




#17
Carbon Disulfide
Concen: 18.35 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

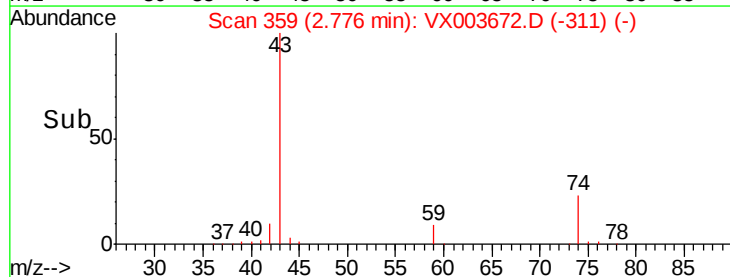
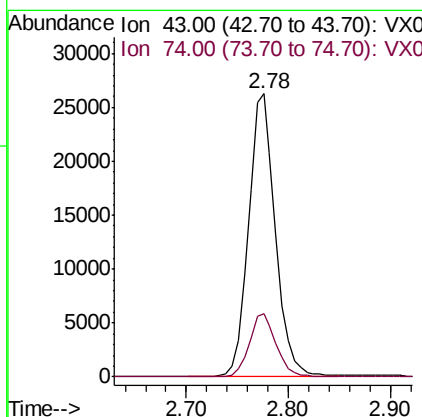
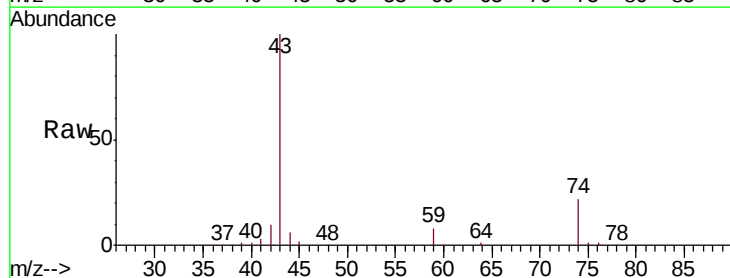
Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS01

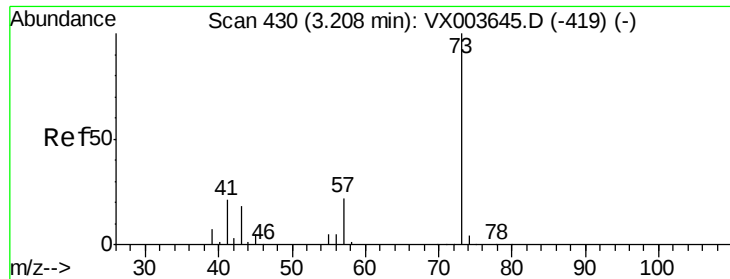
Tot Ion: 76 Resp: 71314
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 19.63 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

Tgt Ion: 43 Resp: 48179
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.8

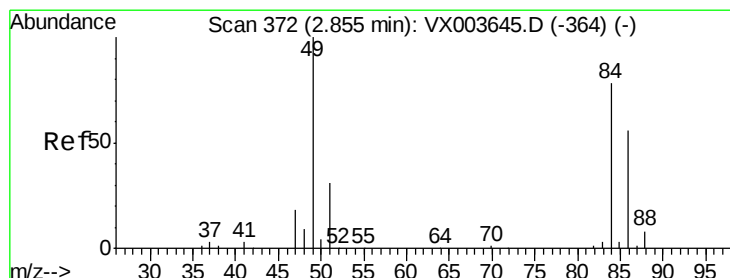
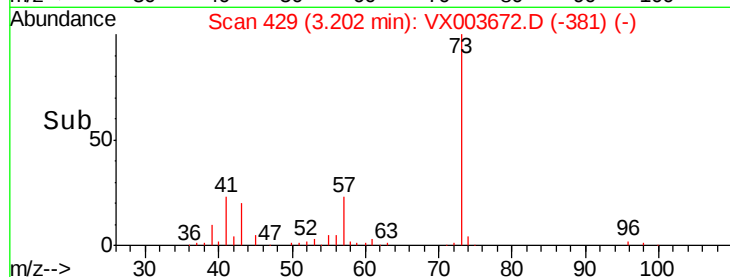
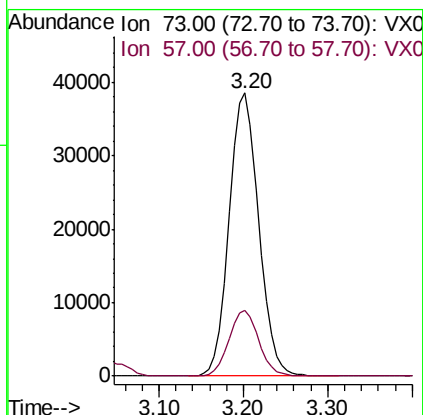
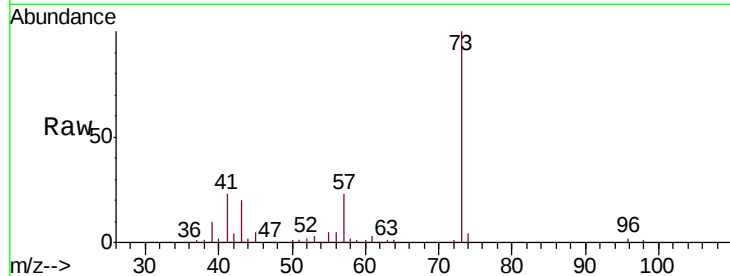




#19
Methvl tert-butvl Ether
Concen: 19.20 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

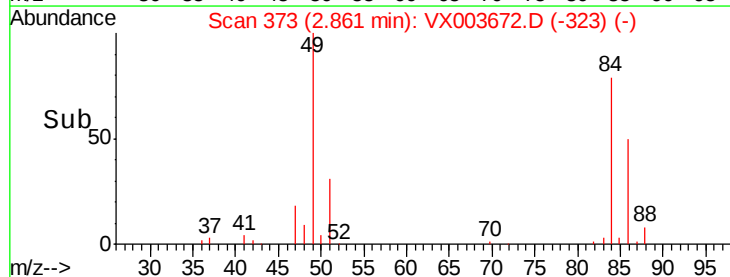
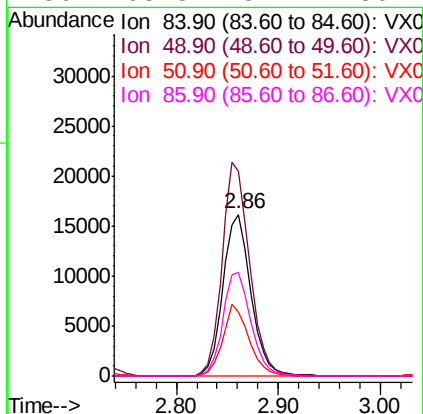
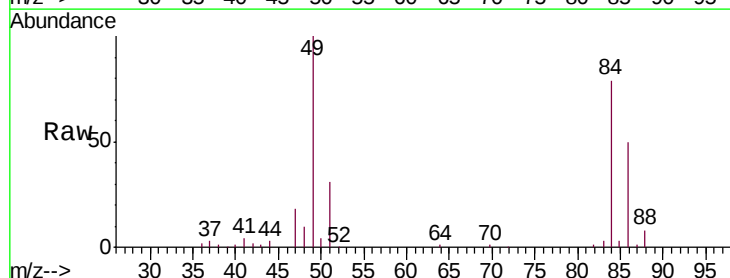
Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS01

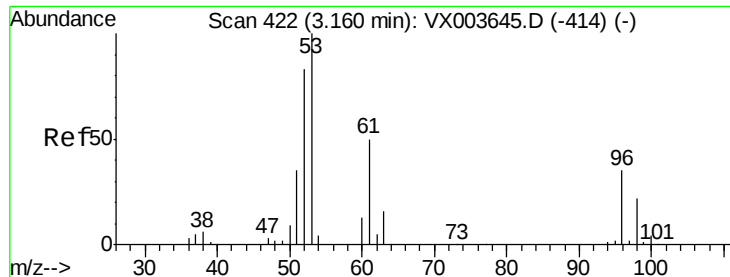
Tot Ion: 73 Resp: 91576
Ion Ratio Lower Upper
73 100
57 23.3 17.4 26.2



#20
Methylene Chloride
Concen: 19.01 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

Tgt Ion: 84 Resp: 30619
Ion Ratio Lower Upper
84 100
49 126.8 102.3 153.5
51 39.7 31.8 47.8
86 63.8 57.4 86.2





#21

trans-1,2-Dichloroethene

Concen: 19.44 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS01

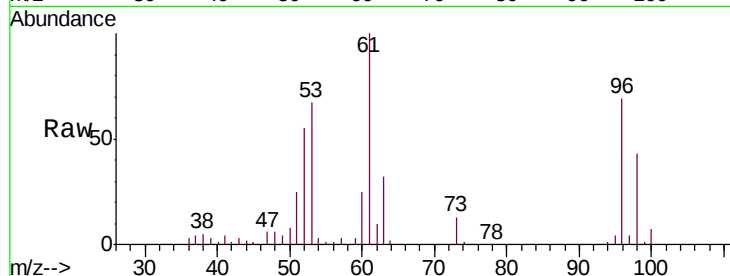
Tot Ion: 96 Resp: 28233

Ion Ratio Lower Upper

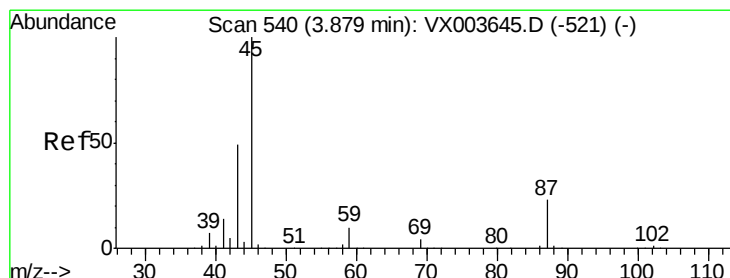
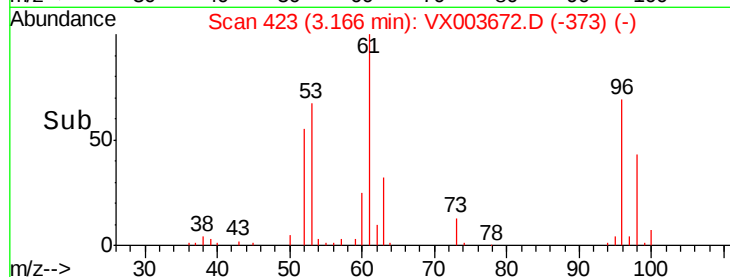
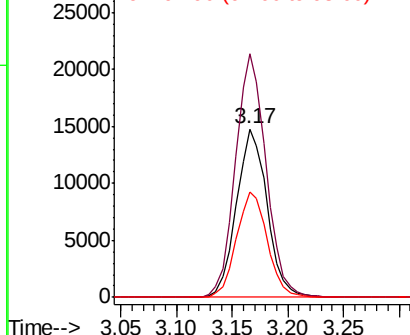
96 100

61 144.7 115.0 172.4

98 62.7 49.7 74.5



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



#22

Diisopropyl ether

Concen: 19.70 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Tgt Ion: 45 Resp: 101256

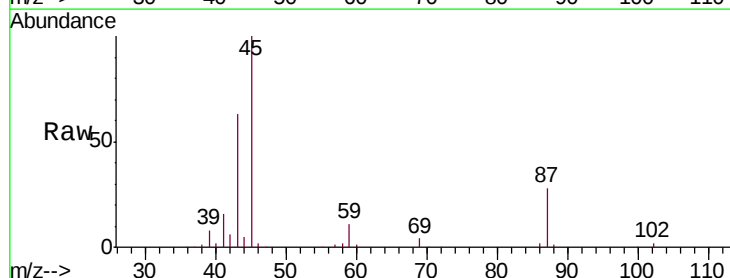
Ion Ratio Lower Upper

45 100

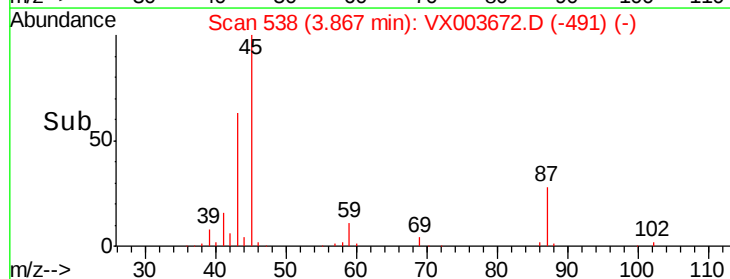
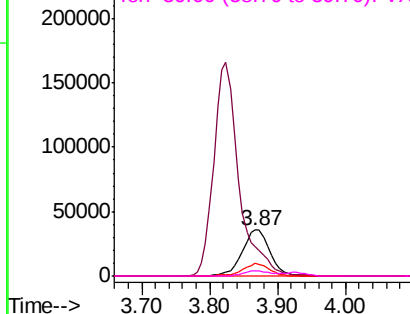
43 62.1 39.0 58.4#

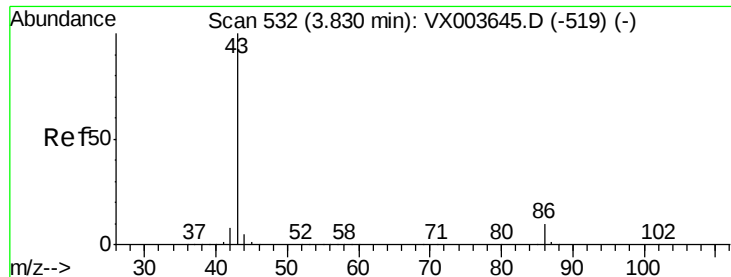
87 27.6 18.4 27.6

59 11.5 7.8 11.8



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





#23

Vinyl Acetate

Concen: 97.71 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

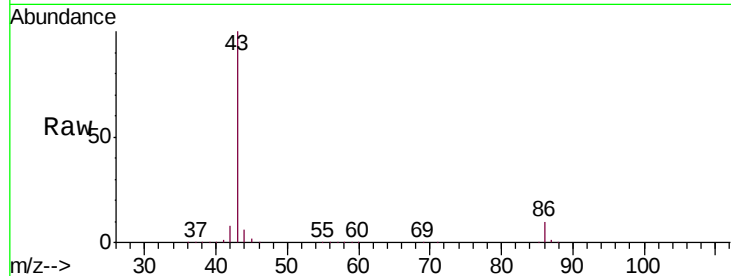
VX0726WBS01

Tot Ion: 43 Resp: 430325

Ion Ratio Lower Upper

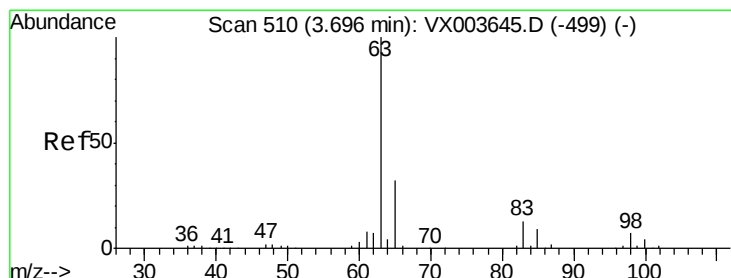
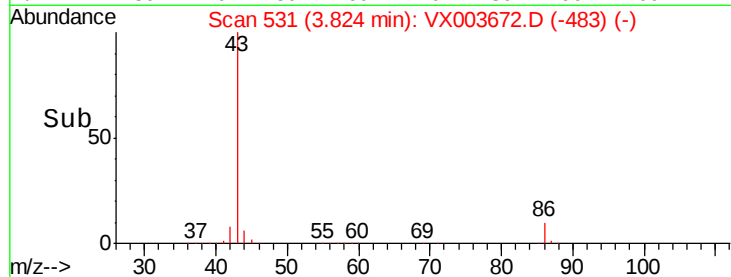
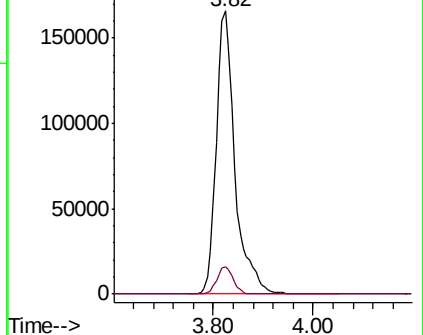
43 100

86 9.7 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.05 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

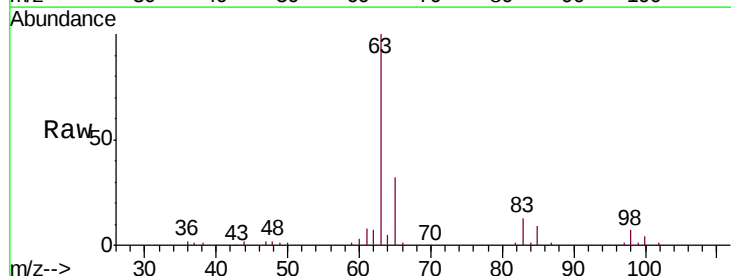
Tgt Ion: 63 Resp: 55199

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

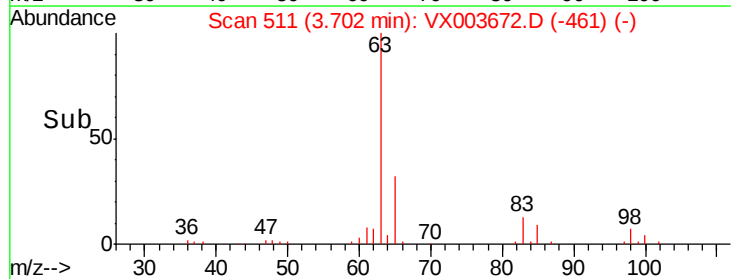
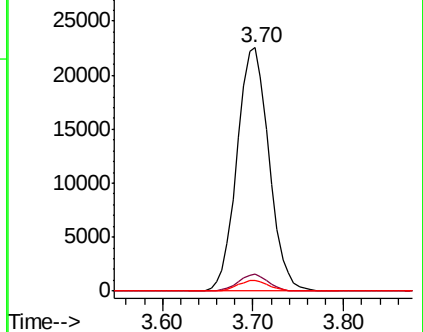
100 4.5 2.1 6.3

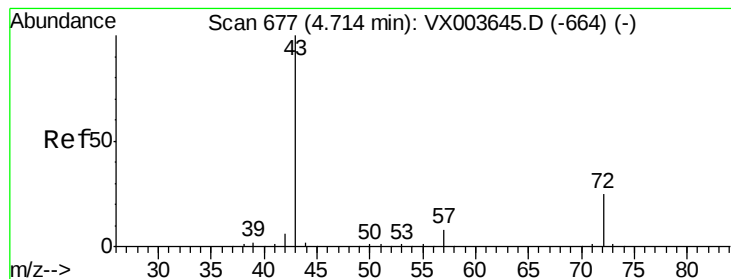


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 105.77 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampled :

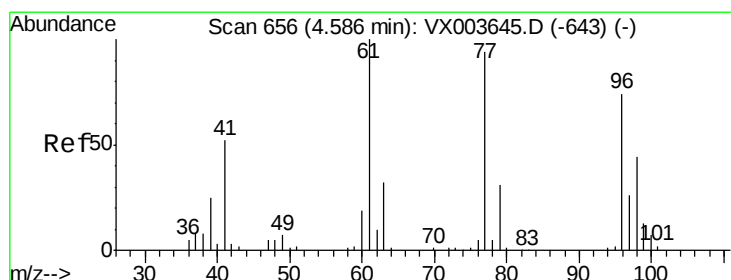
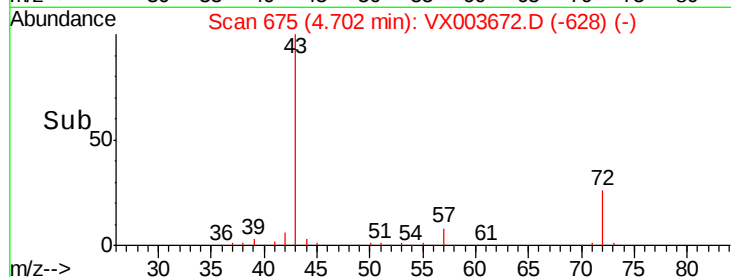
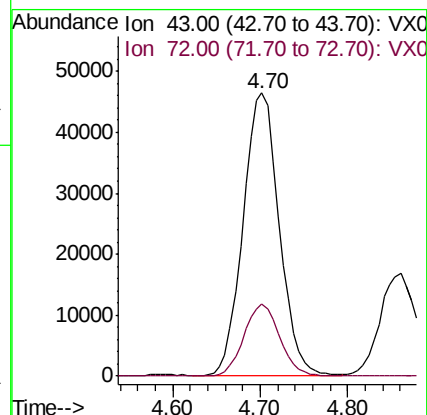
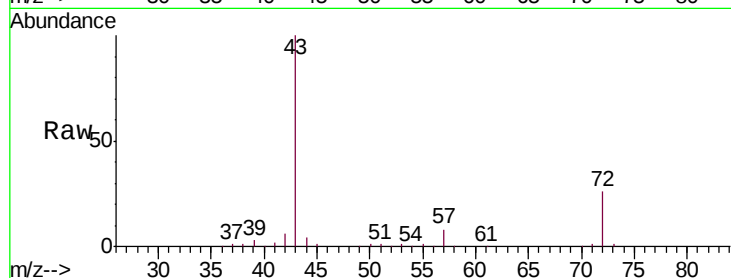
VX0726WBS01

Tot Ion: 43 Resp: 132794

Ion Ratio Lower Upper

43 100

72 25.6 20.2 30.4



#26

2,2-Dichloropropane

Concen: 20.35 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003672.D

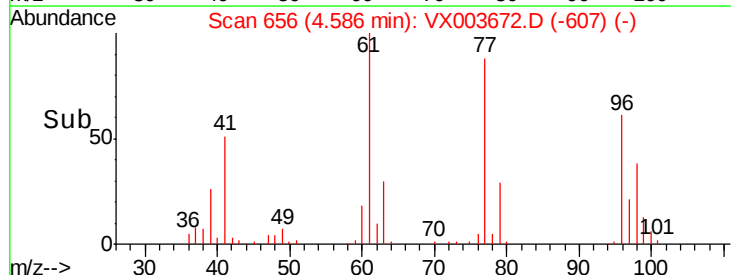
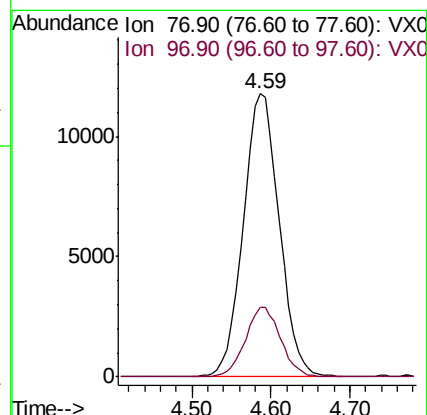
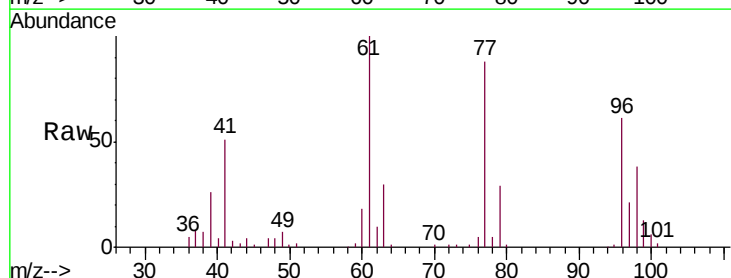
Acq: 26 Jul 2018 16:10

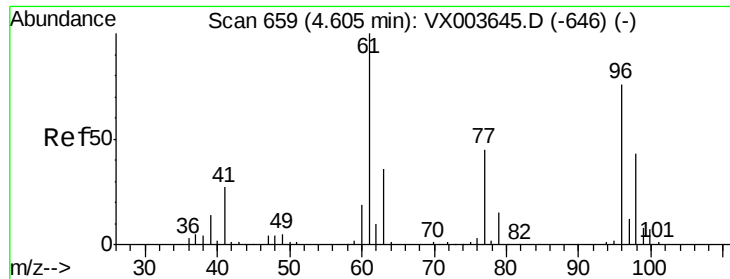
Tgt Ion: 77 Resp: 37283

Ion Ratio Lower Upper

77 100

97 24.0 12.0 36.0



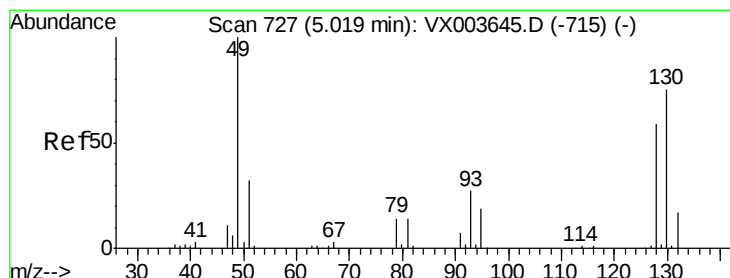
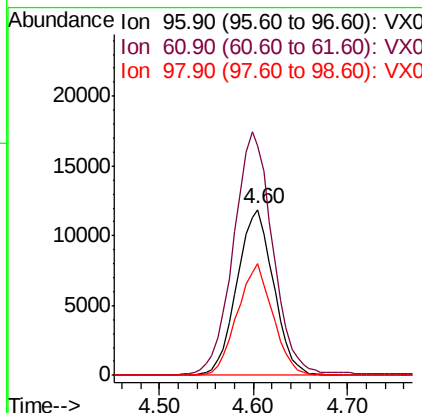
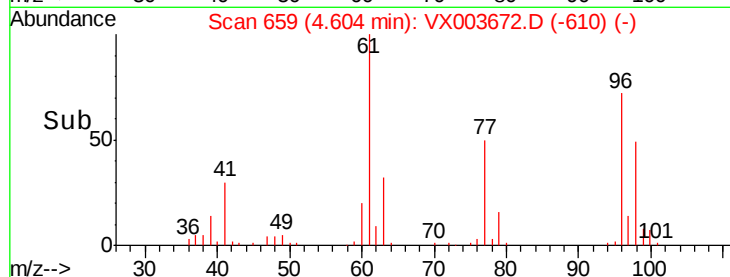
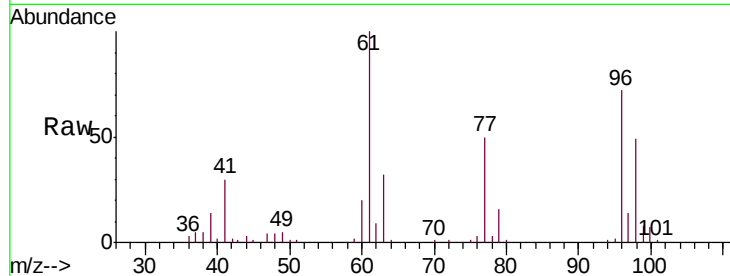


#27

cis-1,2-Dichloroethene
 Concen: 20.38 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS01

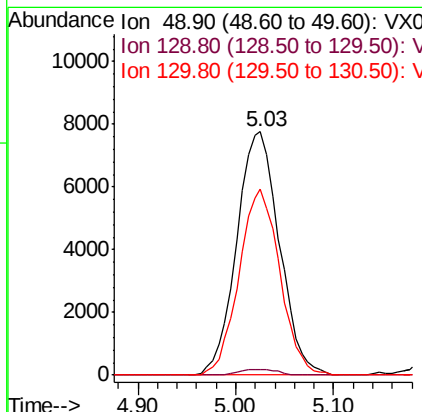
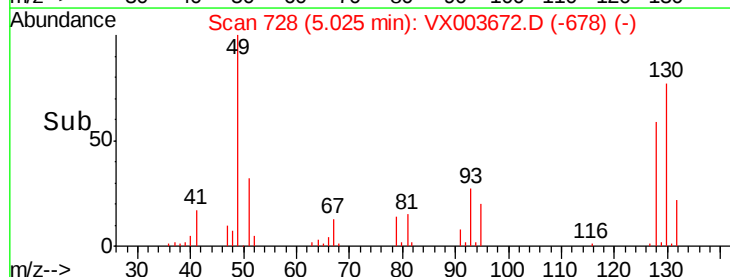
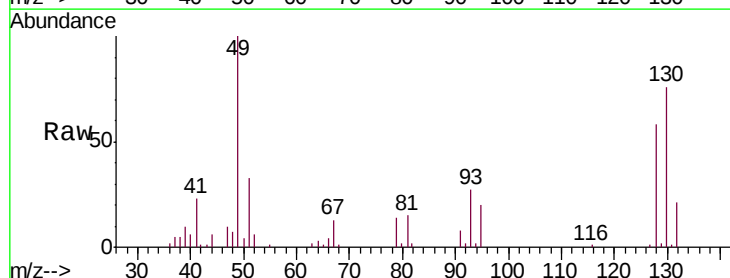
Tot Ion: 96 Resp: 32146
 Ion Ratio Lower Upper
 96 100
 61 159.3 0.0 313.6
 98 65.4 0.0 125.6

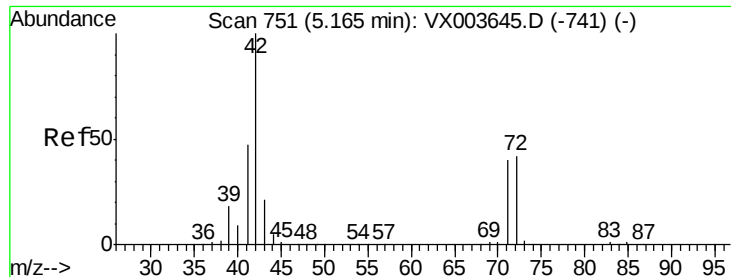


#28

Bromochloromethane
 Concen: 20.17 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.01 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Tgt Ion: 49 Resp: 23453
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 73.3 61.0 91.6

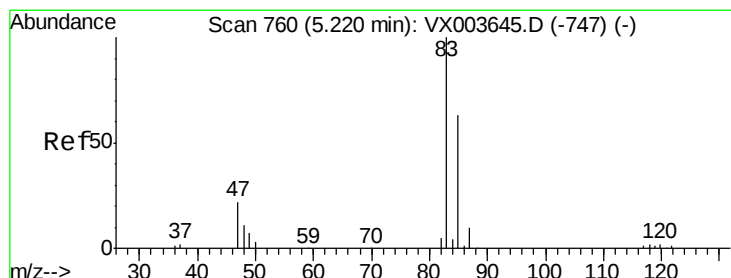
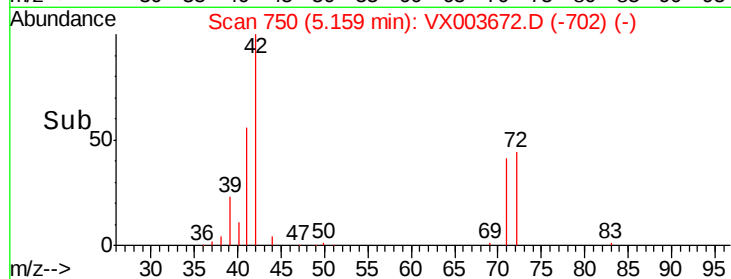
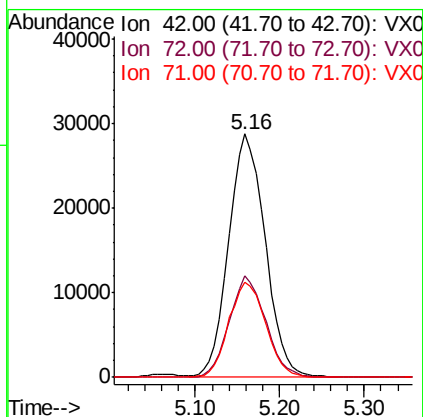
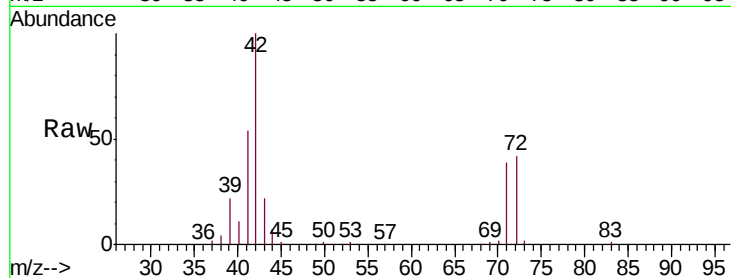




#29
Tetrahydrofuran
Concen: 103.55 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

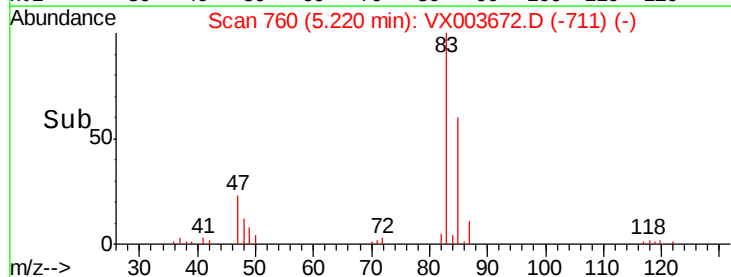
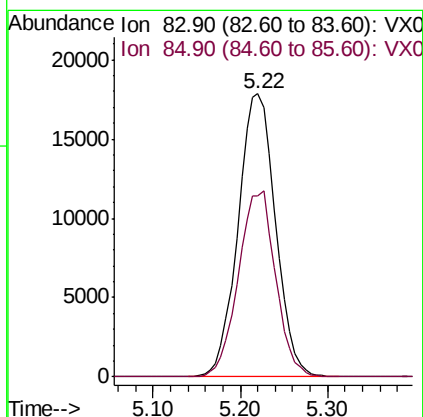
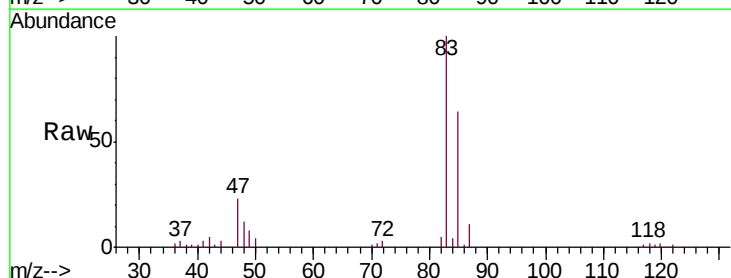
Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS01

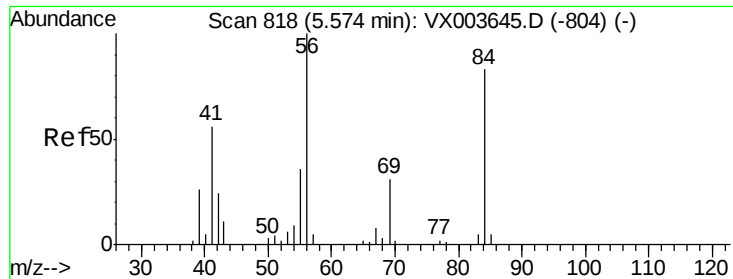
Tot Ion: 42 Resp: 84632
Ion Ratio Lower Upper
42 100
72 41.4 33.4 50.0
71 39.6 31.0 46.6



#30
Chloroform
Concen: 20.21 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

Tgt Ion: 83 Resp: 53119
Ion Ratio Lower Upper
83 100
85 64.1 50.2 75.4

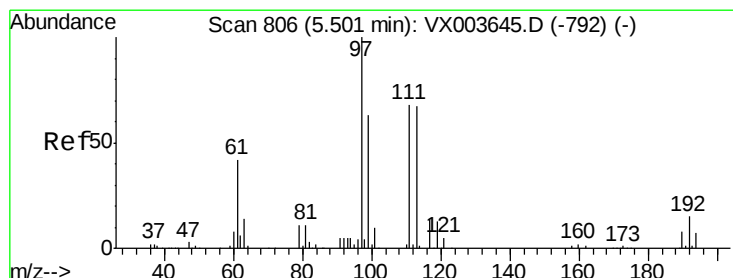
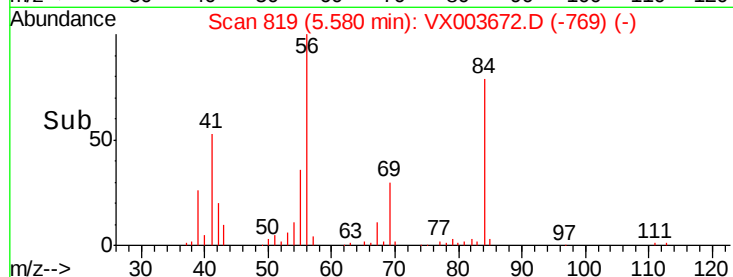
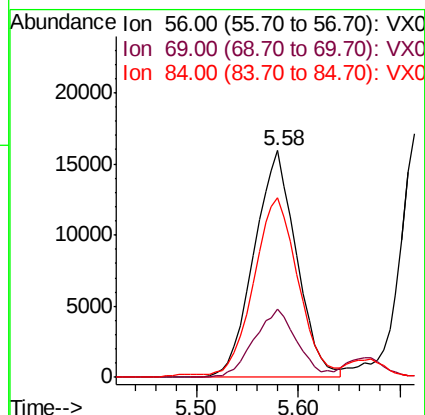
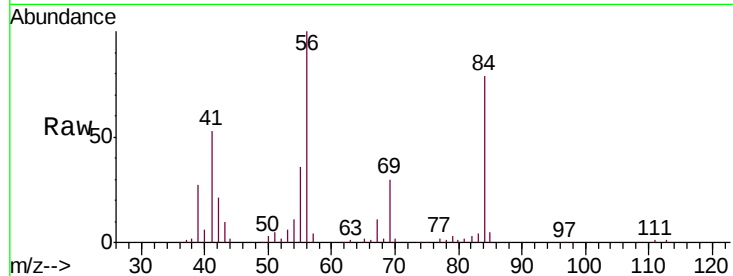




#31
Cyclohexane
Concen: 19.76 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

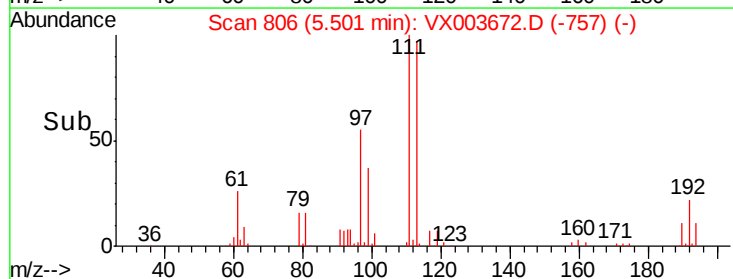
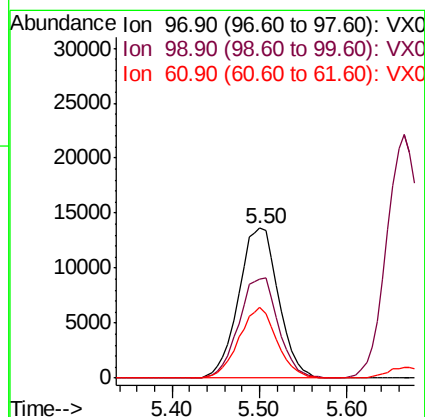
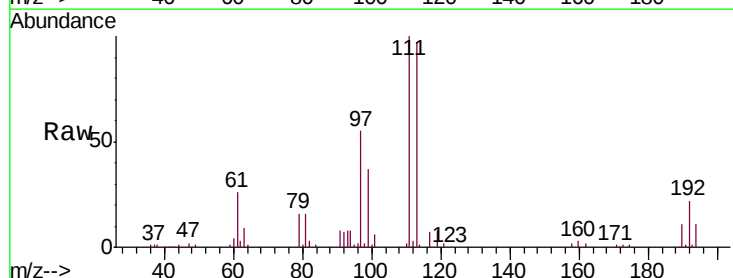
Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS01

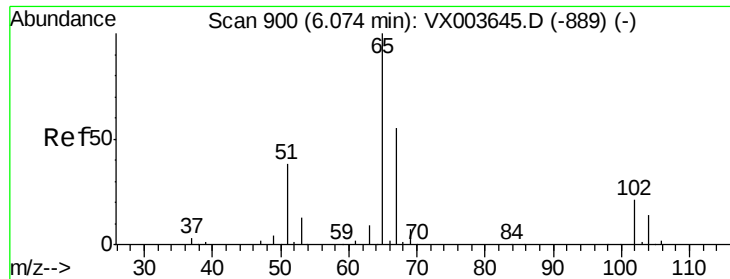
Tot Ion: 56 Resp: 45961
Ion Ratio Lower Upper
56 100
69 29.8 25.0 37.6
84 77.8 66.5 99.7



#32
1,1,1-Trichloroethane
Concen: 19.75 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

Tgt Ion: 97 Resp: 43102
Ion Ratio Lower Upper
97 100
99 66.1 50.4 75.6
61 44.8 34.5 51.7

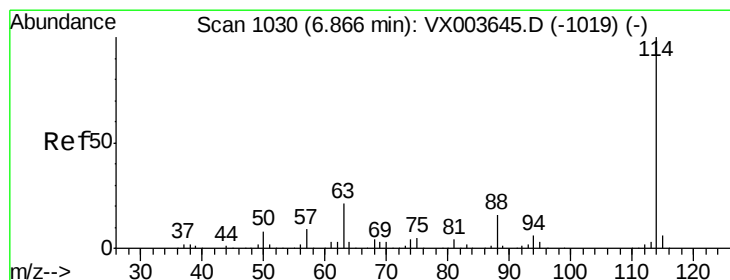
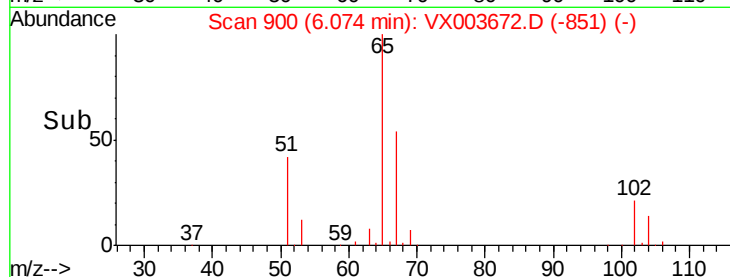
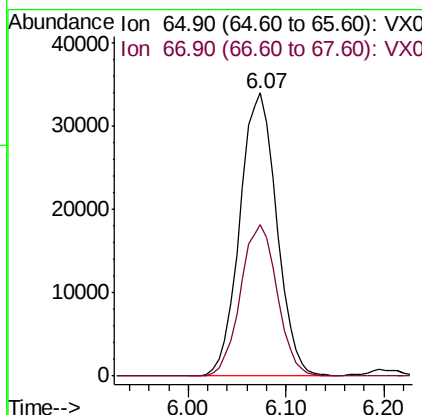
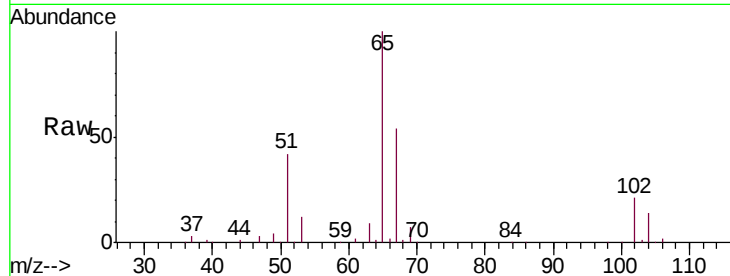




#33
 1,2-Dichloroethane-d4
 Concen: 51.51 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

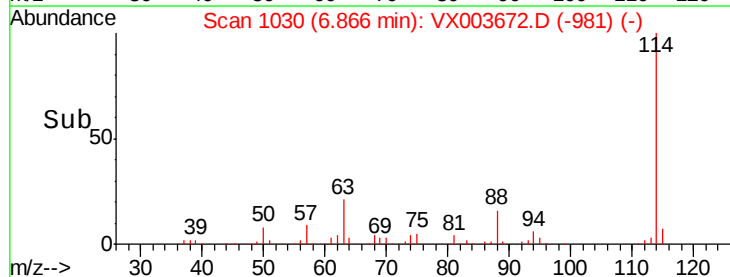
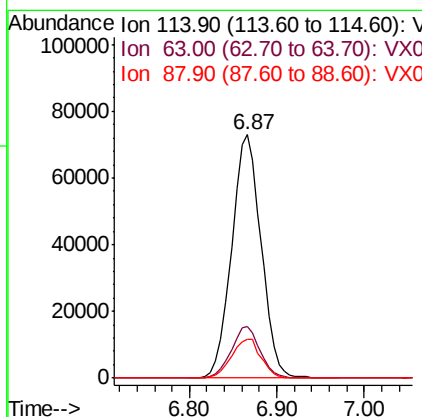
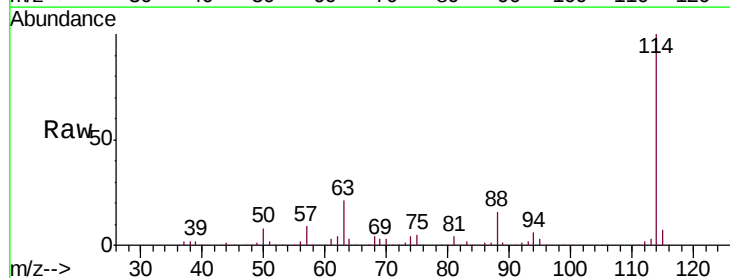
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS01

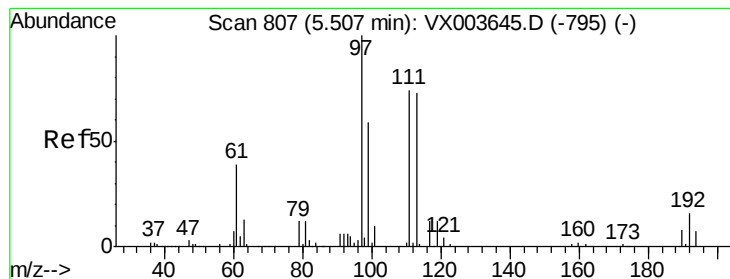
Tot Ion: 65 Resp: 89109
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Tgt Ion: 114 Resp: 170831
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.0
 88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.95 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS01

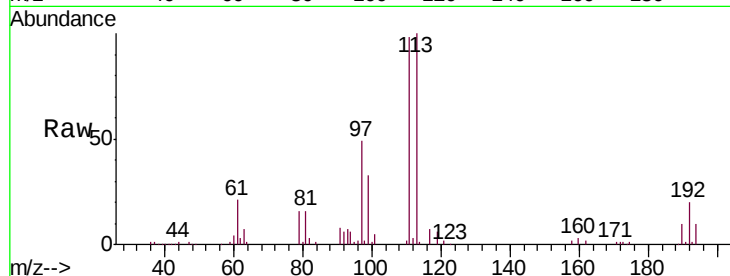
Tot Ion:113 Resp: 72556

Ion Ratio Lower Upper

113 100

111 101.2 81.2 121.8

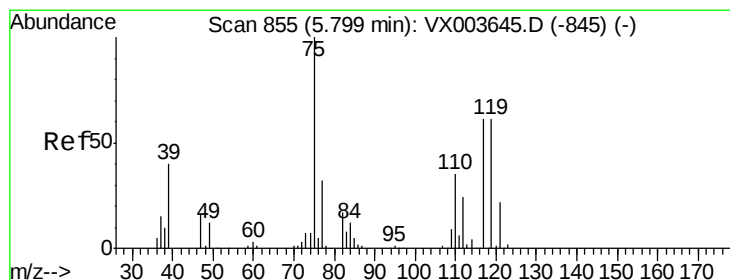
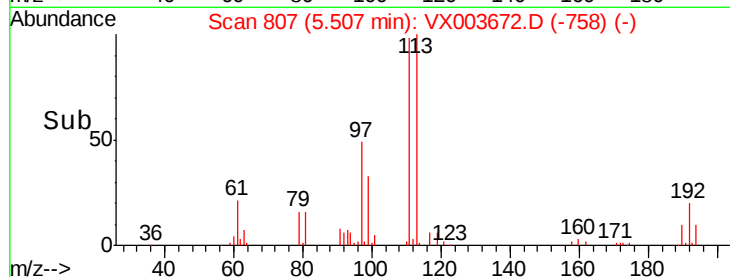
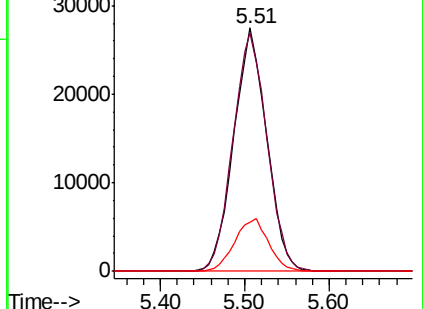
192 22.2 18.2 27.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.78 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

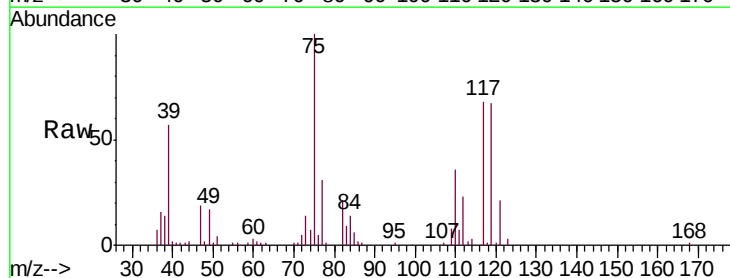
Tgt Ion: 75 Resp: 37495

Ion Ratio Lower Upper

75 100

110 36.1 18.1 54.1

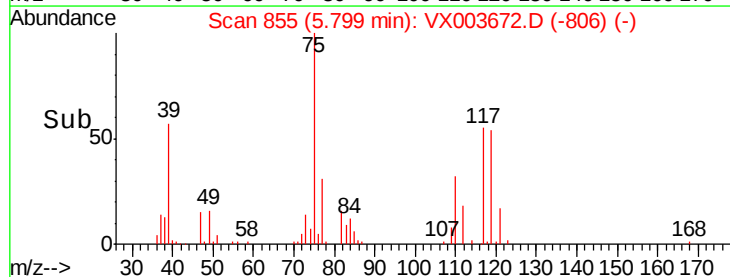
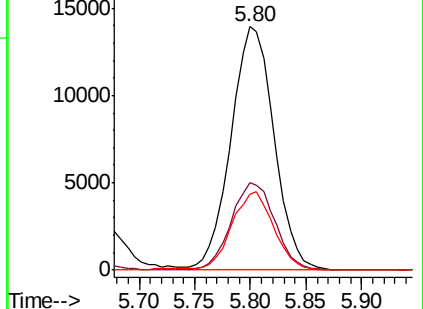
77 31.4 25.1 37.7

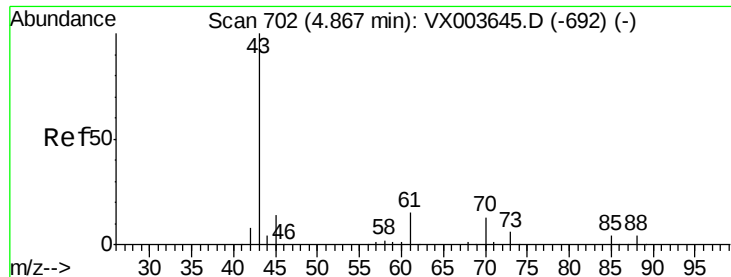


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

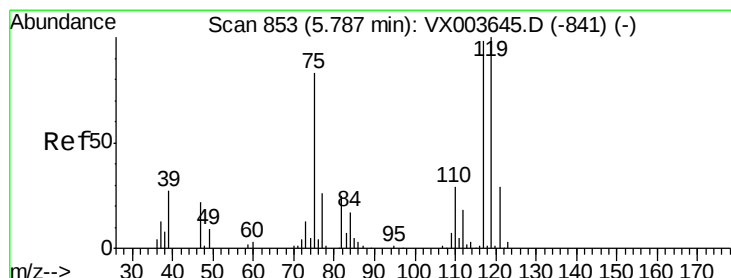
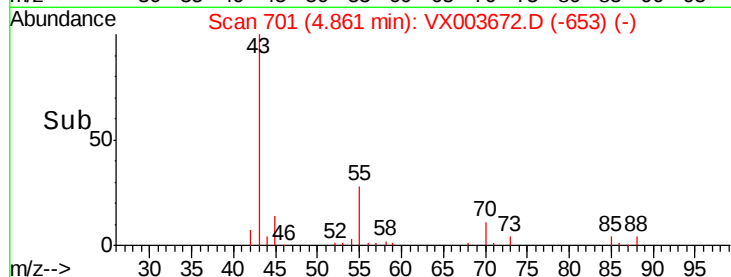
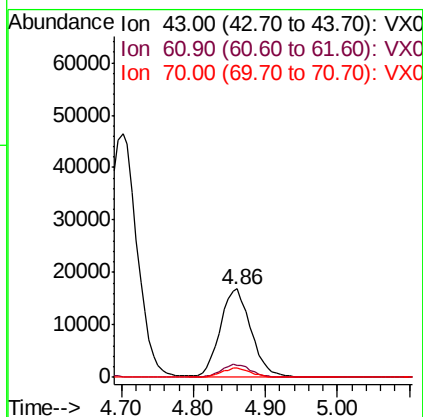
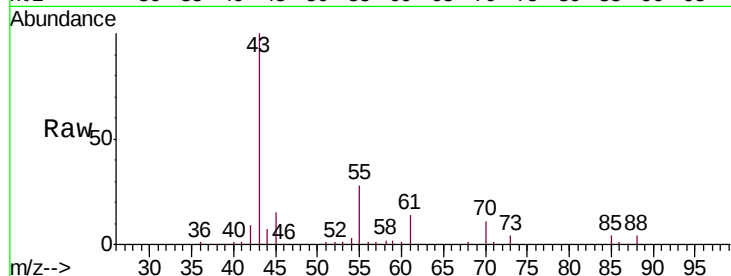




#37
Ethyl Acetate
Concen: 20.82 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

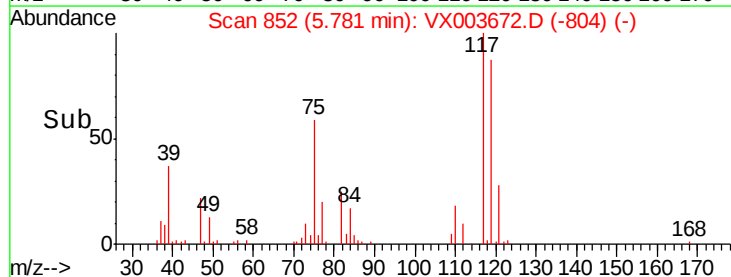
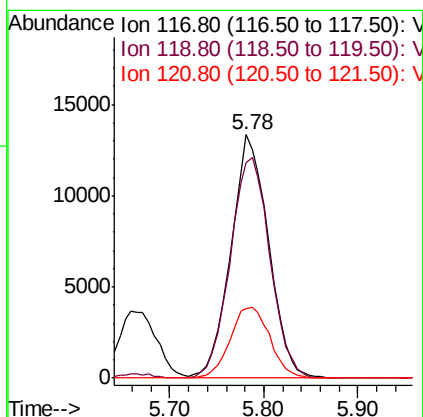
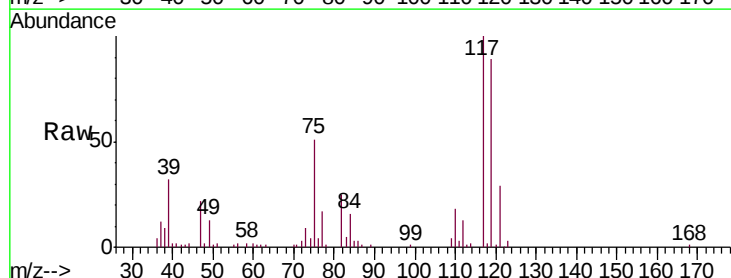
Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS01

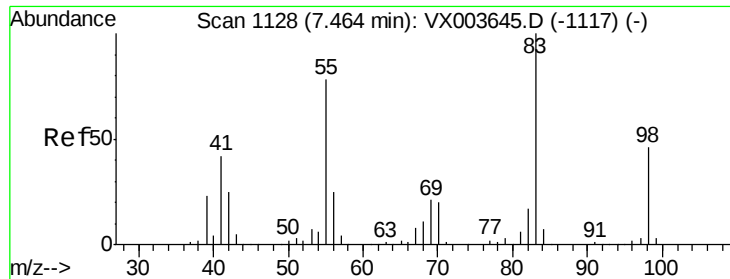
Tot Ion: 43 Resp: 49992
Ion Ratio Lower Upper
43 100
61 14.7 11.9 17.9
70 10.3 8.6 12.8



#38
Carbon Tetrachloride
Concen: 19.36 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

Tgt Ion: 117 Resp: 37265
Ion Ratio Lower Upper
117 100
119 88.6 81.0 121.4
121 28.5 23.7 35.5

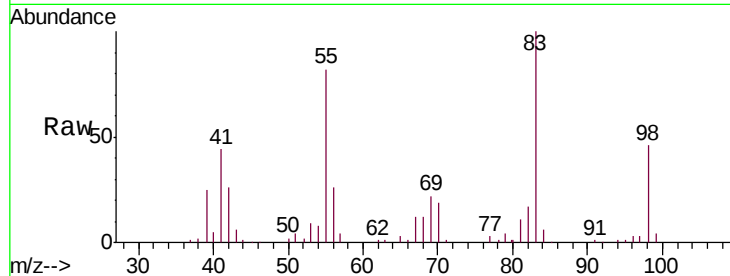




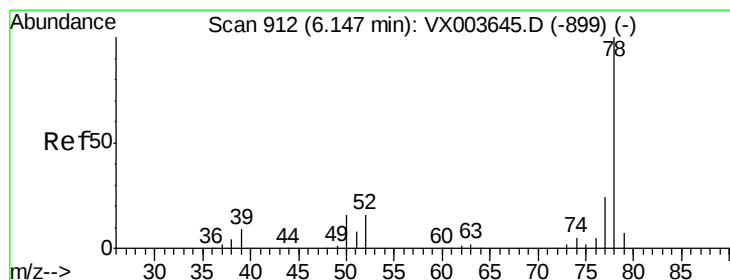
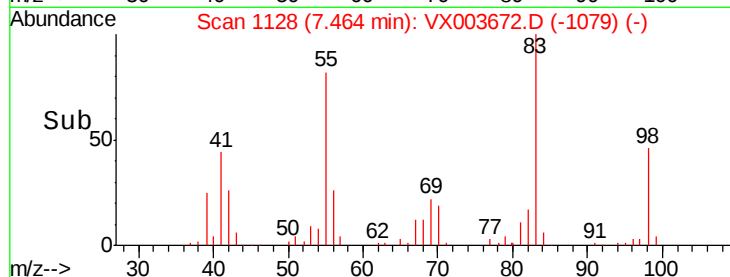
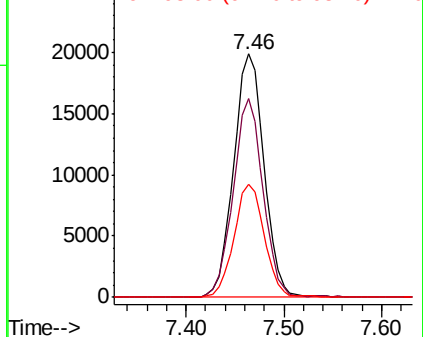
#39
Methvlcvclohexane
Concen: 19.57 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS01

Tot Ion: 83 Resp: 43009
Ion Ratio Lower Upper
83 100
55 81.8 62.6 93.8
98 46.4 36.6 55.0

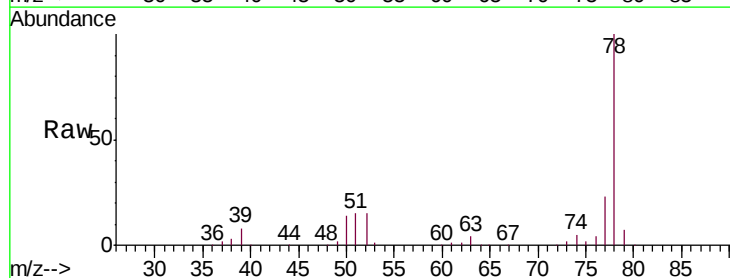


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

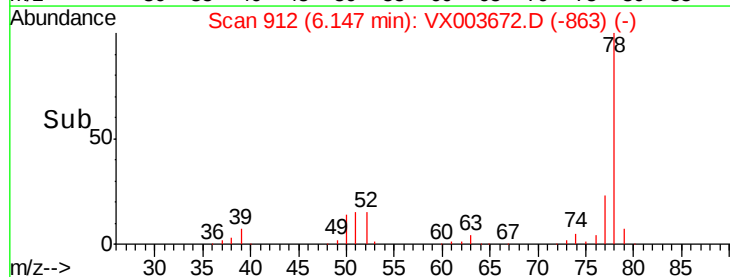
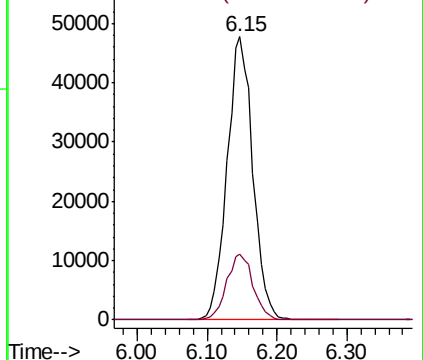


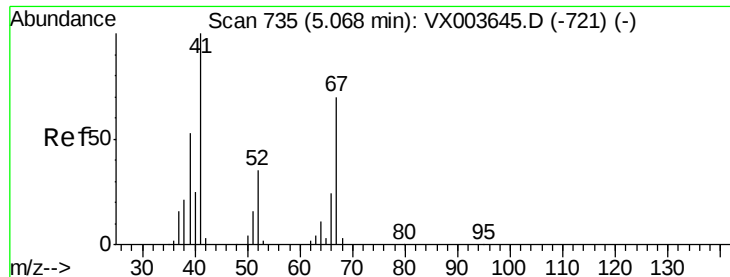
#40
Benzene
Concen: 20.64 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

Tgt Ion: 78 Resp: 121960
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6



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

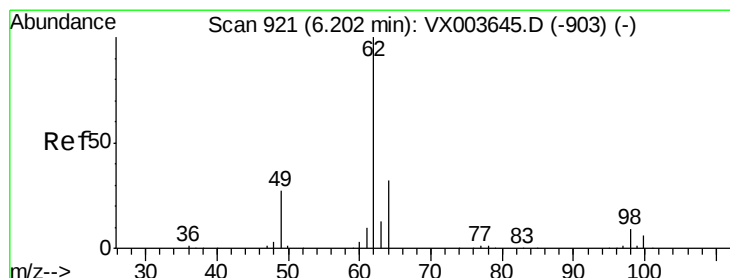
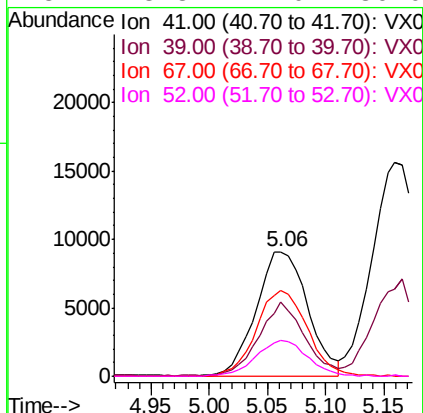
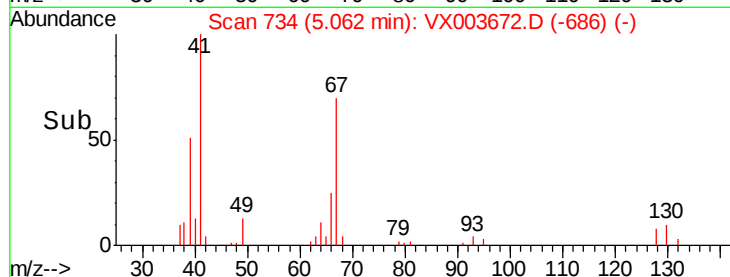
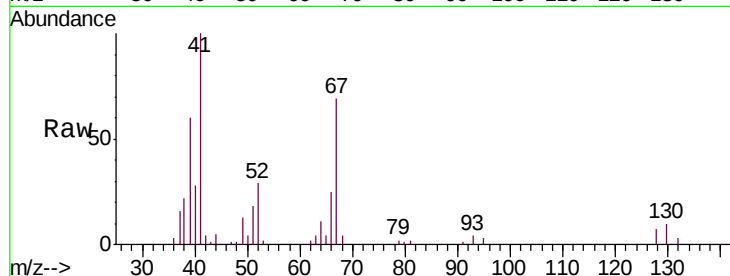




#41
Methacrylonitrile
Concen: 21.12 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

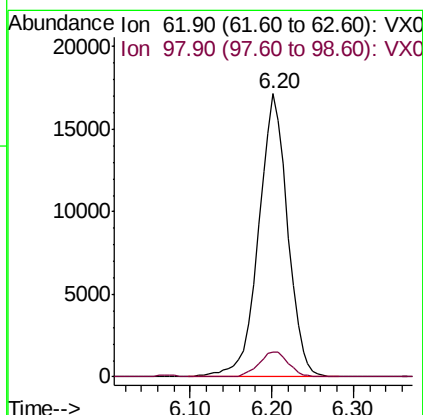
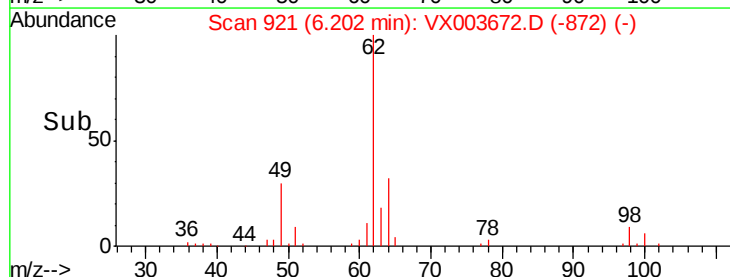
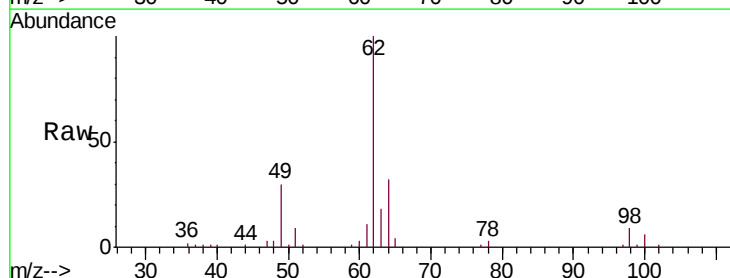
Instrument :
MSVOA_X
ClientSampled :
VX0726WBS01

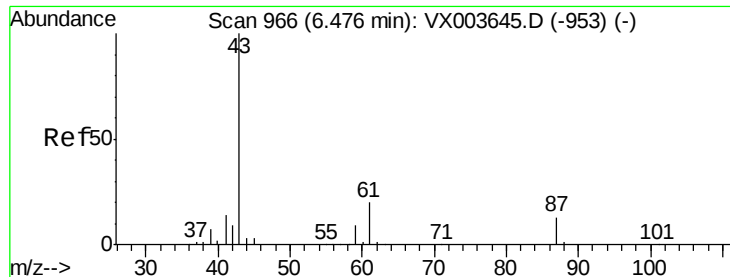
Tot Ion:	41	Resp:	28080
Ion	Ratio	Lower	Upper
41	100		
39	52.6	42.2	63.4
67	67.8	56.6	84.8
52	28.8	24.0	36.0



#42
1,2-Dichloroethane
Concen: 20.38 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

Tgt Ion:	62	Resp:	42377
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4



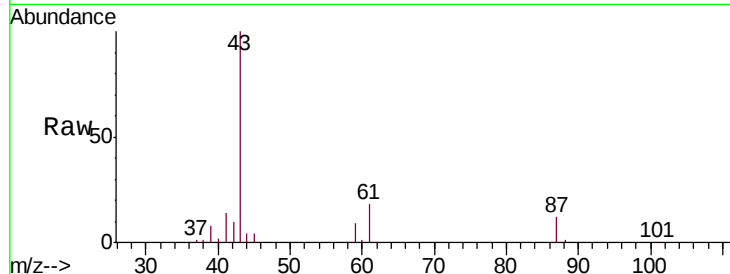


#43

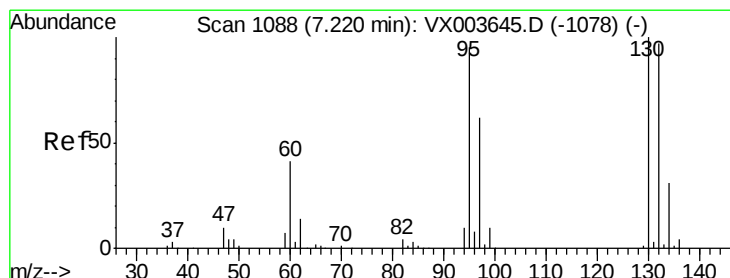
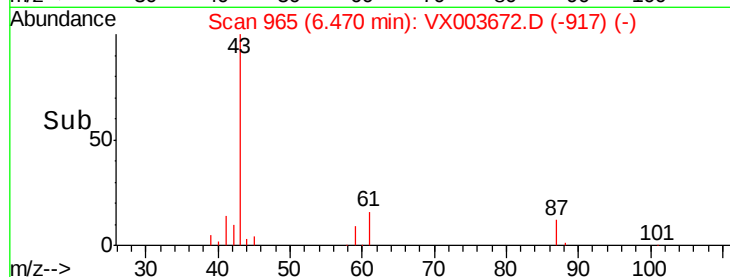
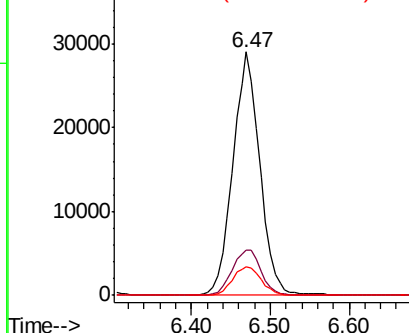
Isopropyl Acetate
 Concen: 19.65 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS01

Tot Ion	43	Resp	68817
Ion Ratio	Lower	Upper	
43	100		
61	19.9	15.9	23.9
87	12.5	10.1	15.1



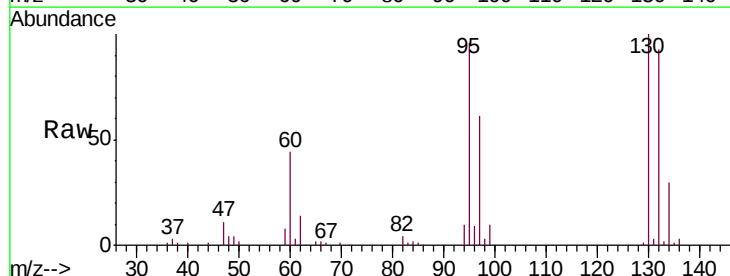
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



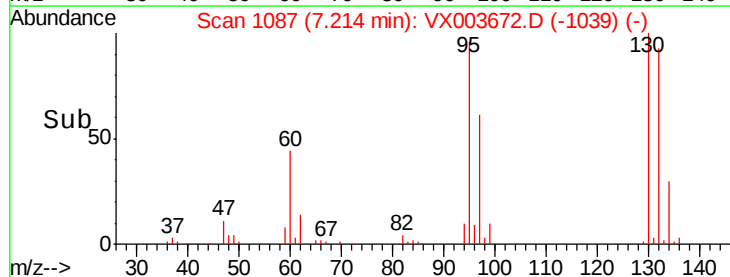
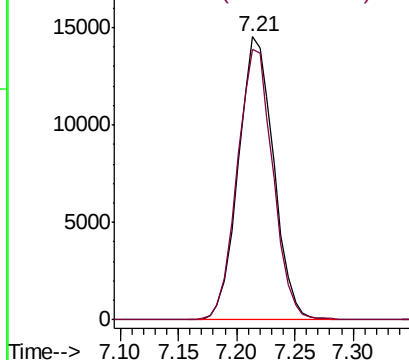
#44

Trichloroethene
 Concen: 19.30 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Tgt Ion	130	Resp	30575
Ion Ratio	Lower	Upper	
130	100		
95	95.8	0.0	190.0



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

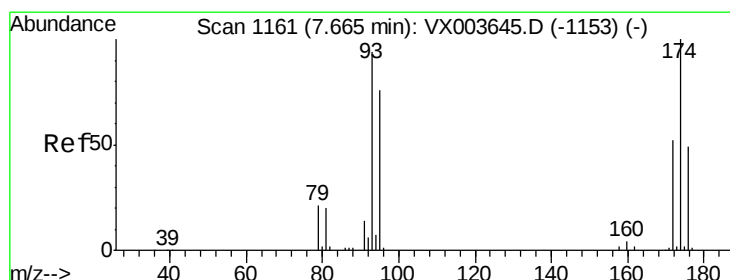
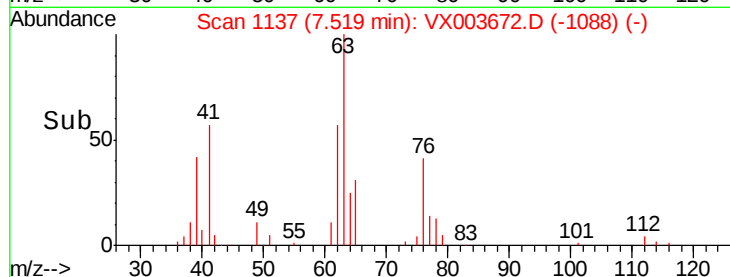
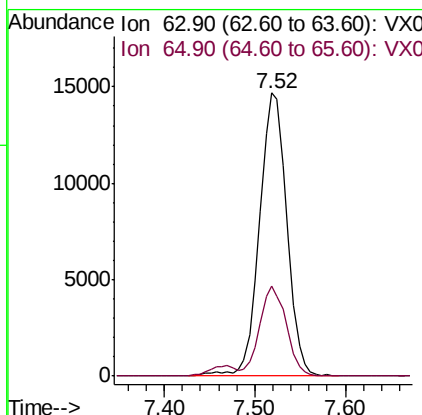
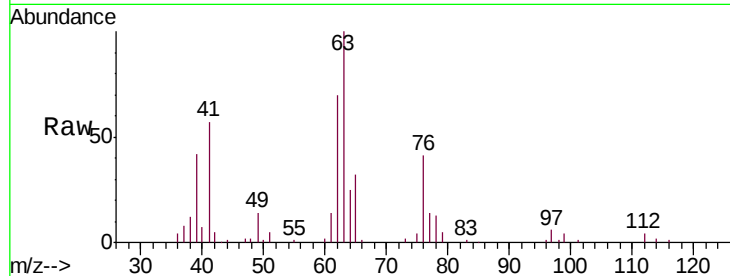




#45
 1,2-Dichloropropane
 Concen: 20.08 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

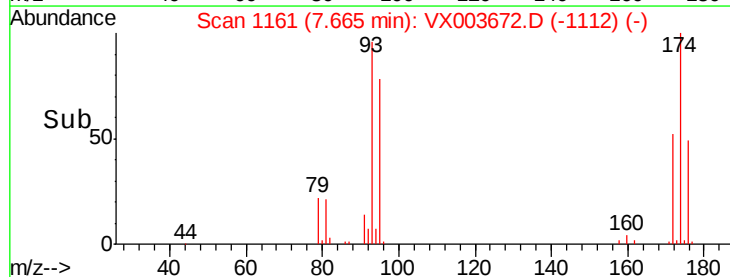
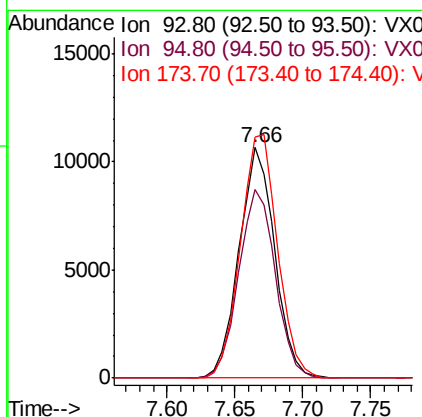
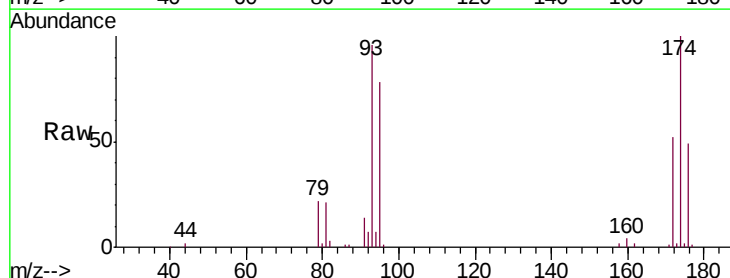
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS01

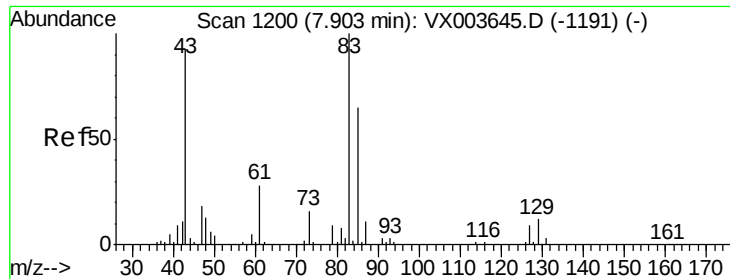
Tot Ion: 63 Resp: 30671
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.0 36.0



#46
 Dibromomethane
 Concen: 19.90 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Tgt Ion: 93 Resp: 19523
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.0 100.6
 174 110.0 89.6 134.4





#47

Bromodichloromethane

Concen: 19.34 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS01

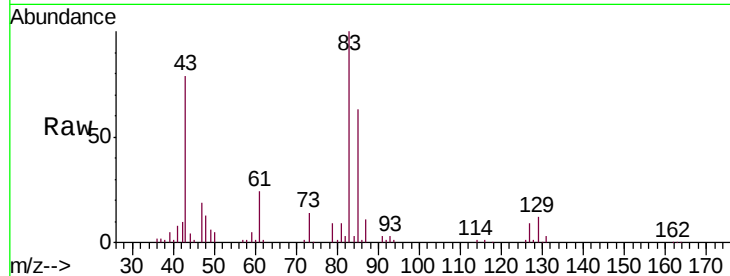
Tot Ion: 83 Resp: 35588

Ion Ratio Lower Upper

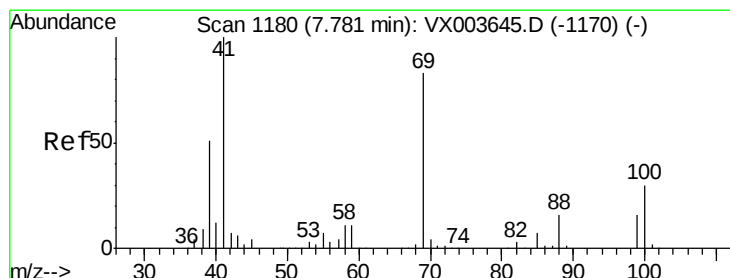
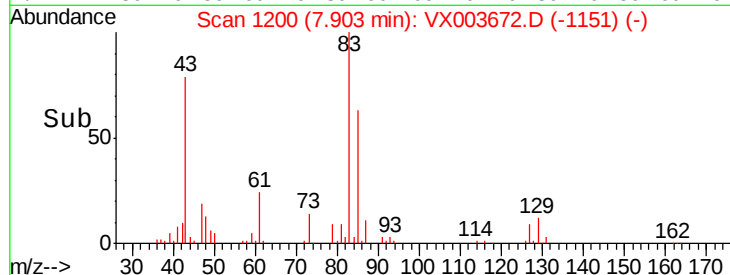
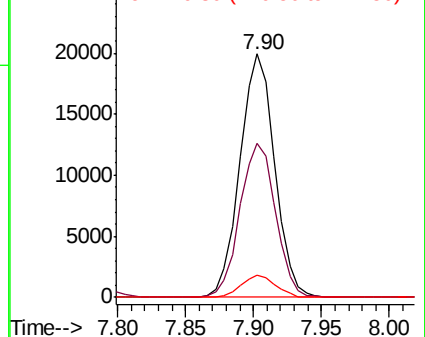
83 100

85 63.3 51.8 77.6

127 9.0 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.66 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

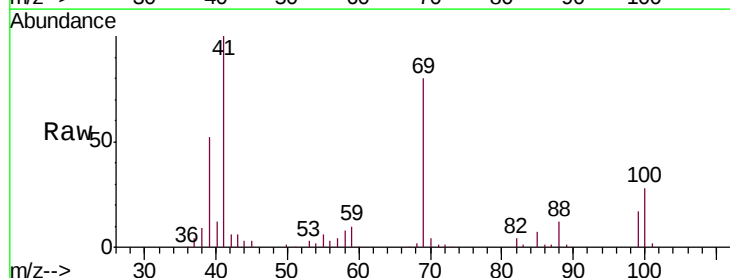
Tgt Ion: 41 Resp: 34943

Ion Ratio Lower Upper

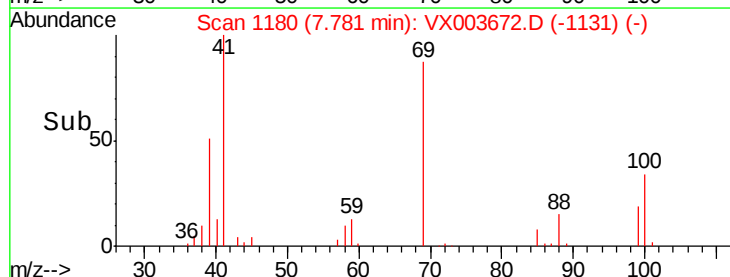
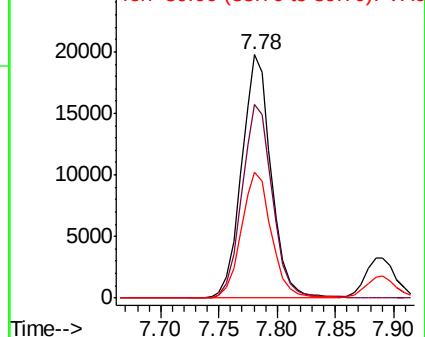
41 100

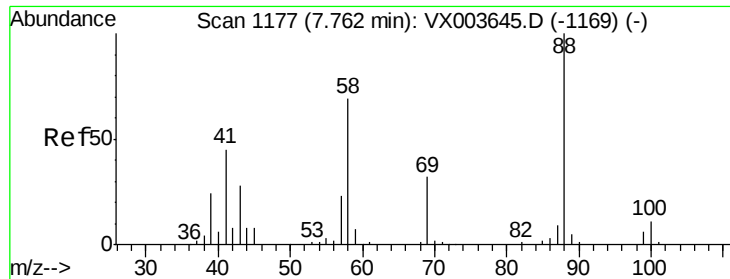
69 82.0 66.9 100.3

39 53.1 41.2 61.8



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





#49

1,4-Dioxane

Concen: 382.67 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS01

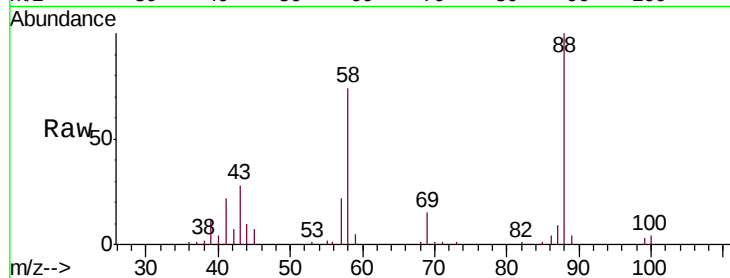
Tot Ion: 88 Resp: 15175

Ion Ratio Lower Upper

88 100

43 33.8 25.8 38.6

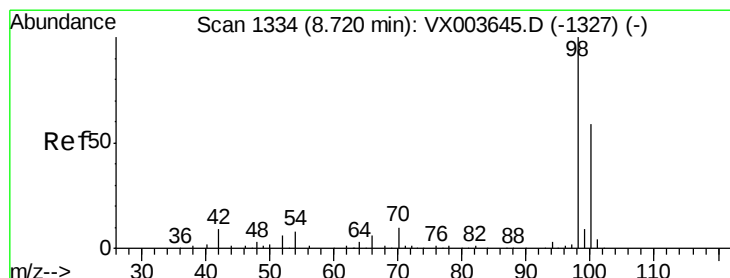
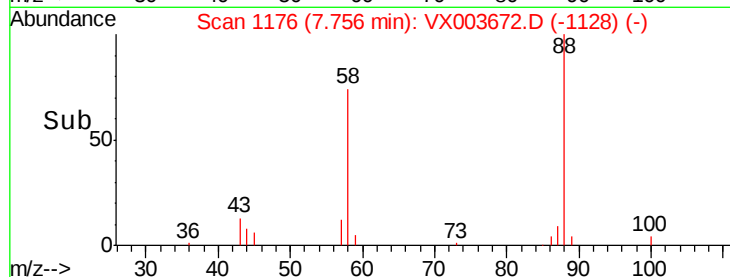
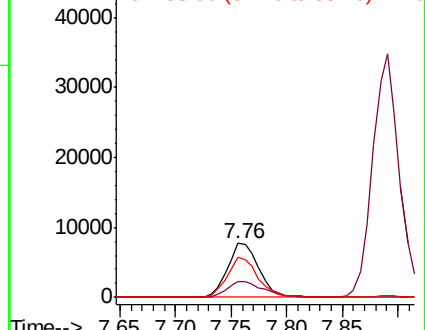
58 73.1 58.3 87.5



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.75 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003672.D

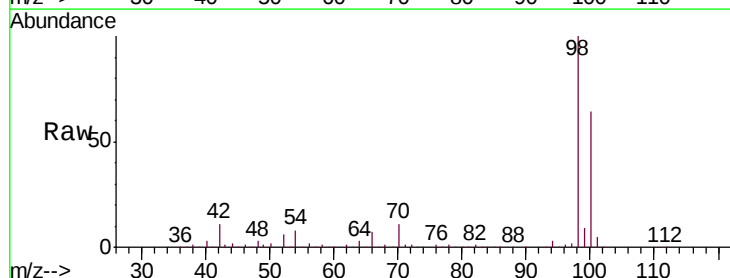
Acq: 26 Jul 2018 16:10

Tgt Ion: 98 Resp: 275801

Ion Ratio Lower Upper

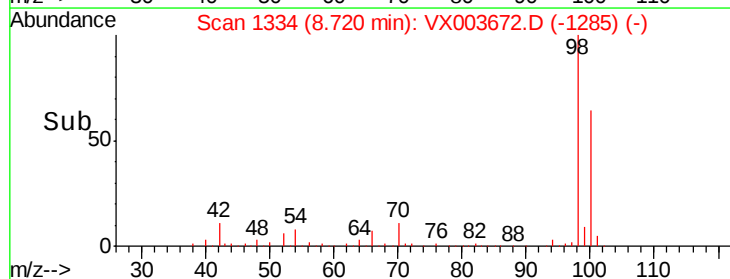
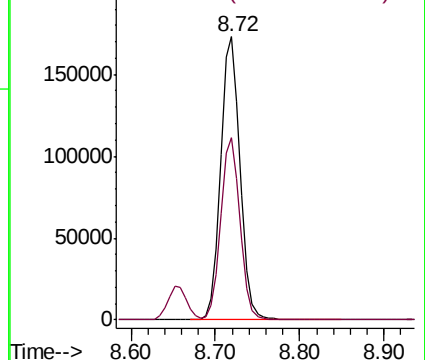
98 100

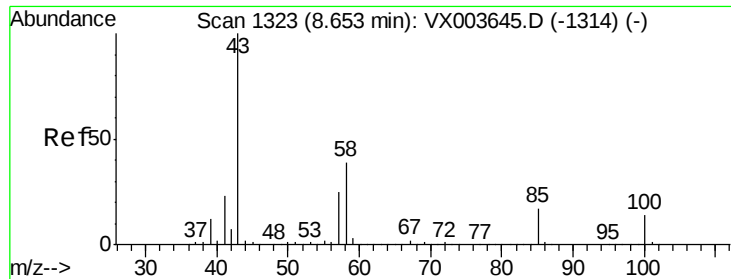
100 64.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 97.24 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

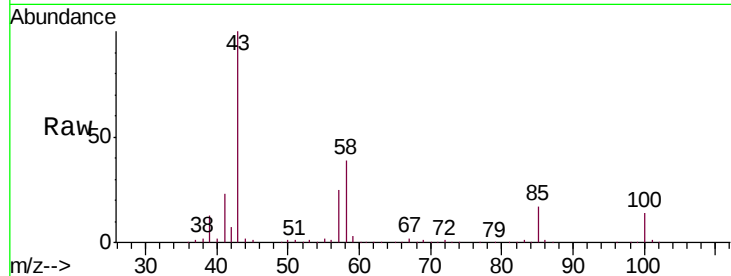
VX0726WBS01

Tot Ion: 43 Resp: 229821

Ion Ratio Lower Upper

43 100

58 38.6 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

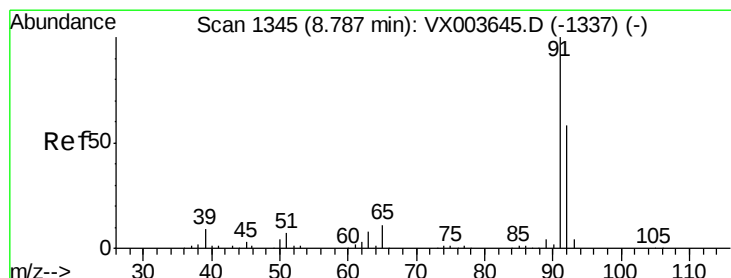
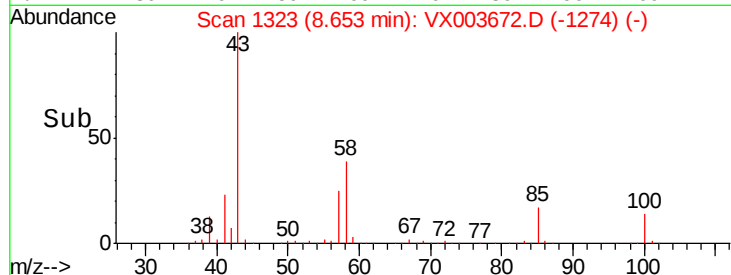
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.94 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003672.D

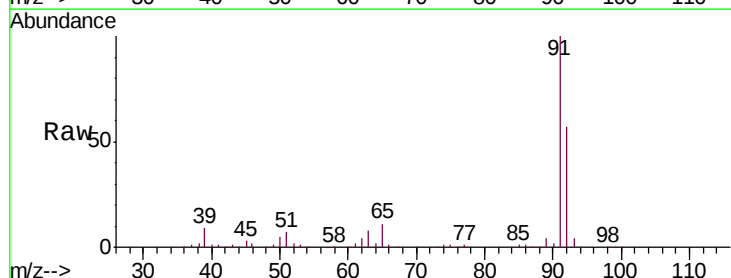
Acq: 26 Jul 2018 16:10

Tgt Ion: 92 Resp: 73233

Ion Ratio Lower Upper

92 100

91 174.8 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

100000

80000

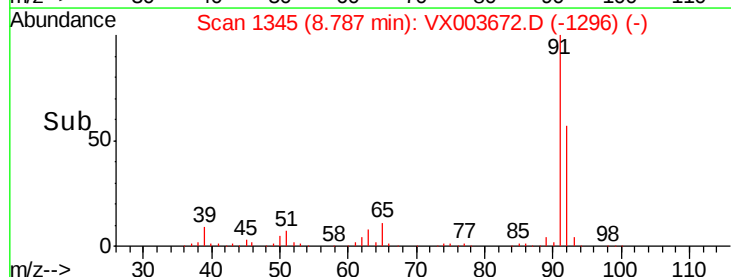
60000

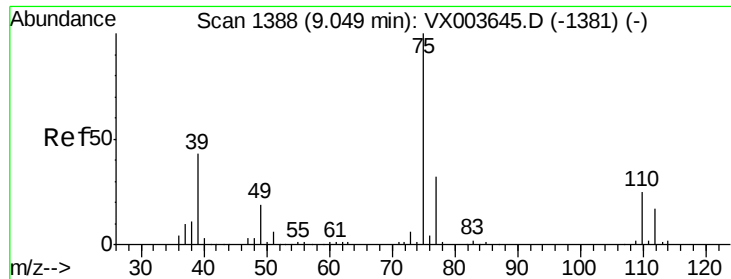
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.36 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

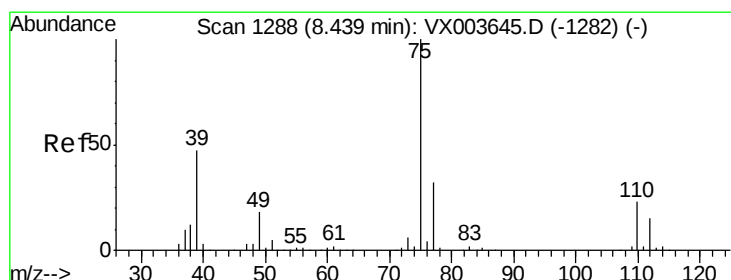
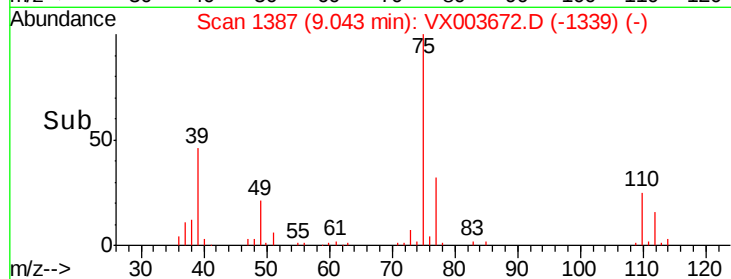
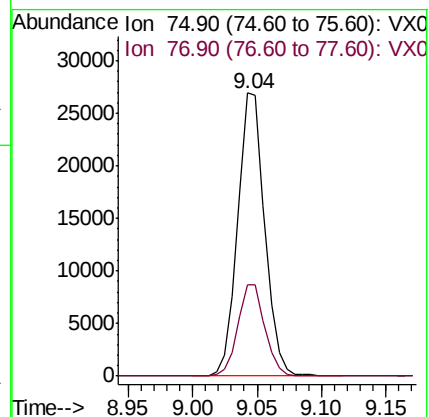
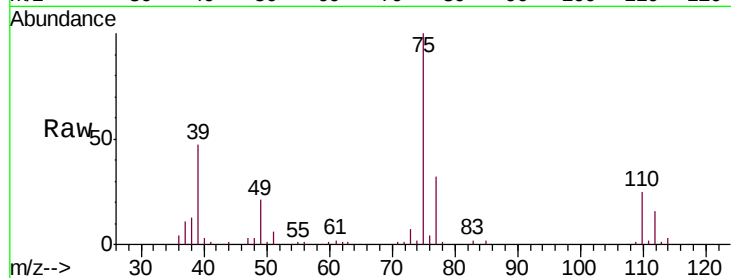
VX0726WBS01

Tot Ion: 75 Resp: 39445

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 19.47 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

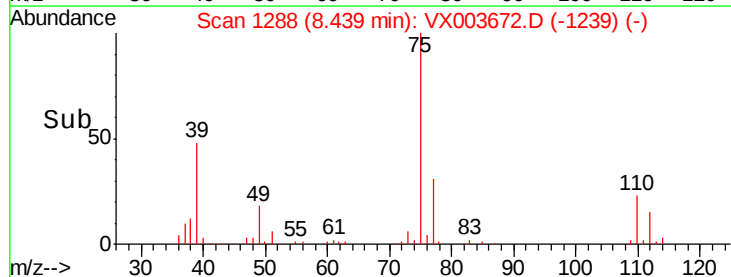
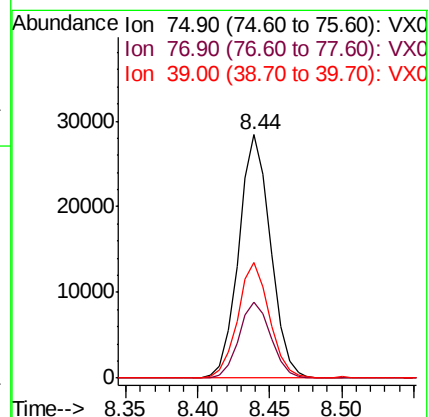
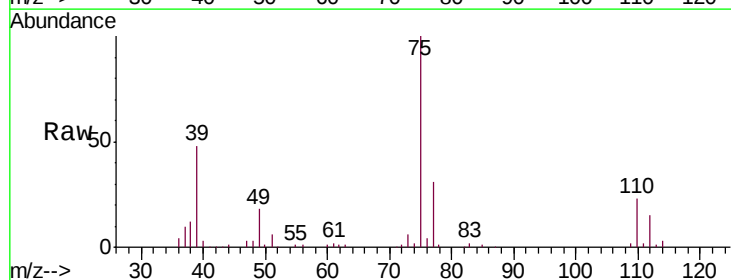
Tgt Ion: 75 Resp: 43636

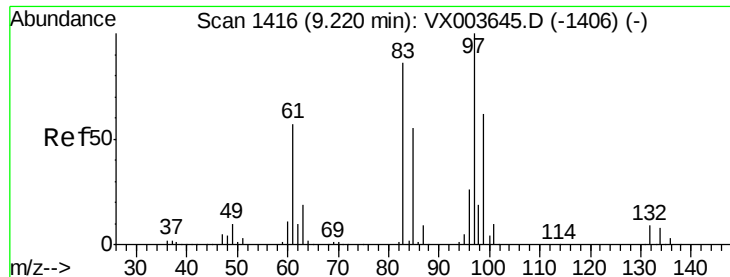
Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8

39 47.6 38.0 57.0

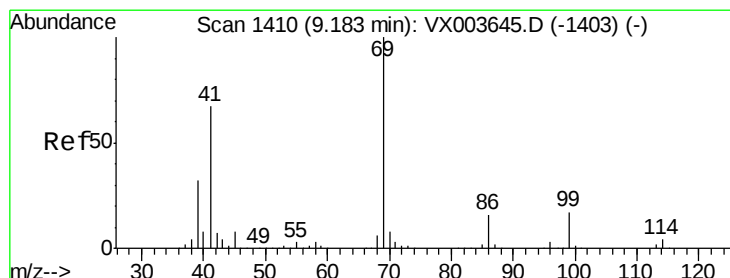
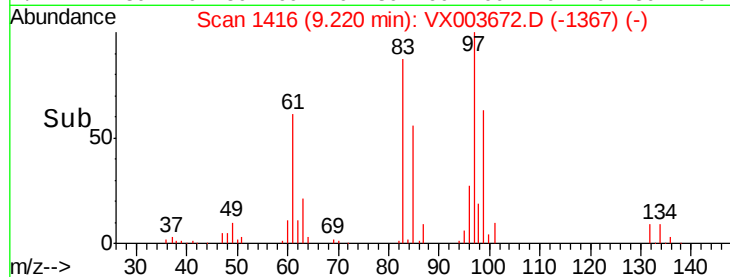
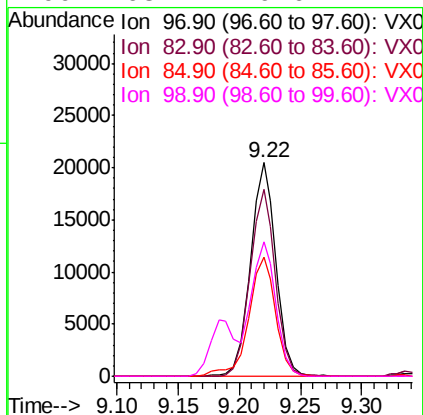
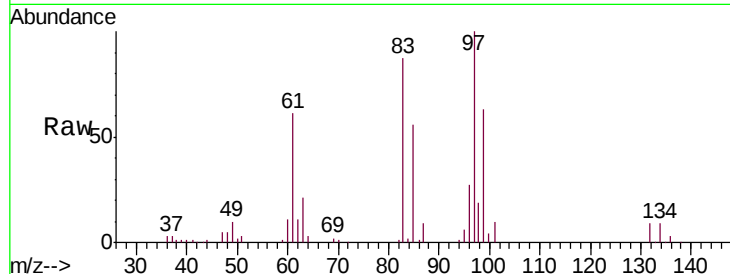




#55
 1,1,2-Trichloroethane
 Concen: 19.70 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

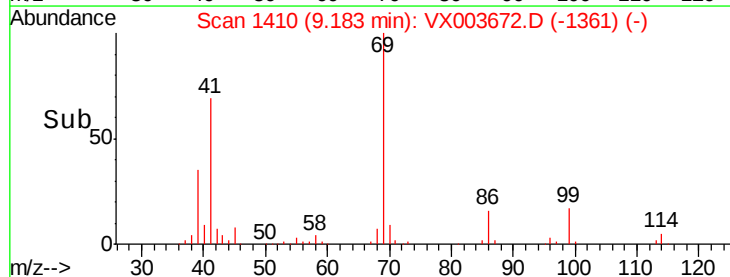
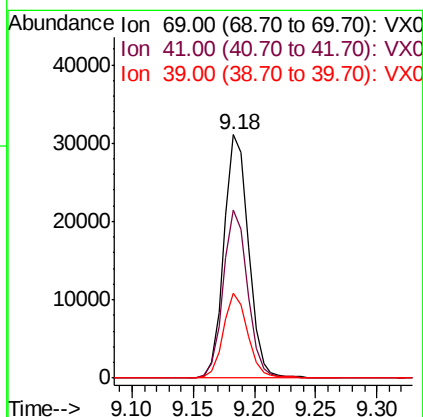
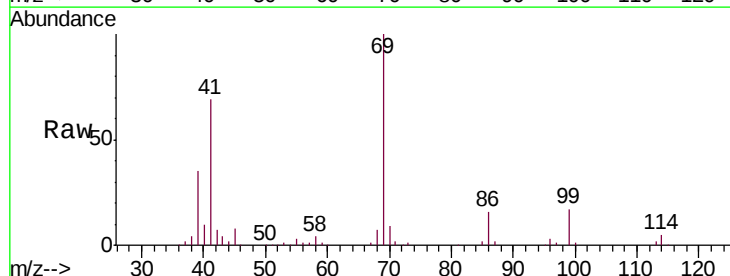
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS01

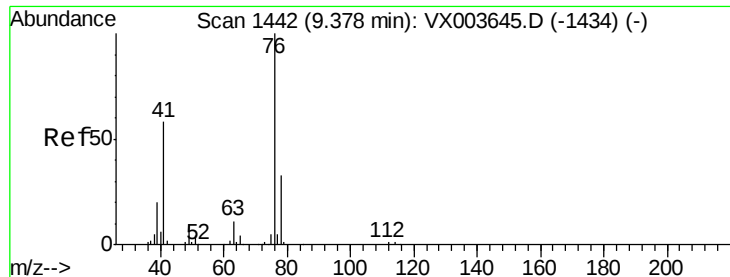
Tot Ion: 97 Resp: 29578
 Ion Ratio Lower Upper
 97 100
 83 87.3 68.7 103.1
 85 55.9 43.7 65.5
 99 63.1 49.6 74.4



#56
 Ethyl methacrylate
 Concen: 19.38 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Tgt Ion: 69 Resp: 43304
 Ion Ratio Lower Upper
 69 100
 41 69.1 53.8 80.6
 39 34.8 25.8 38.8





#57

1,3-Dichloropropane

Concen: 19.91 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

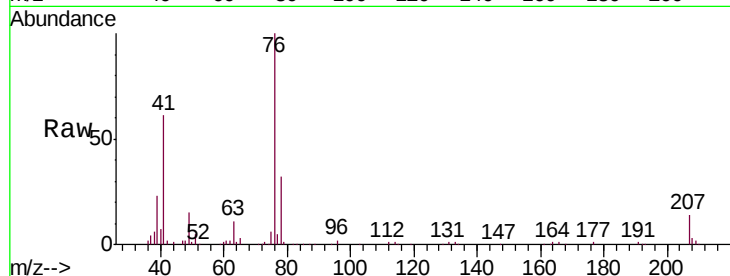
VX0726WBS01

Tot Ion: 76 Resp: 50183

Ion Ratio Lower Upper

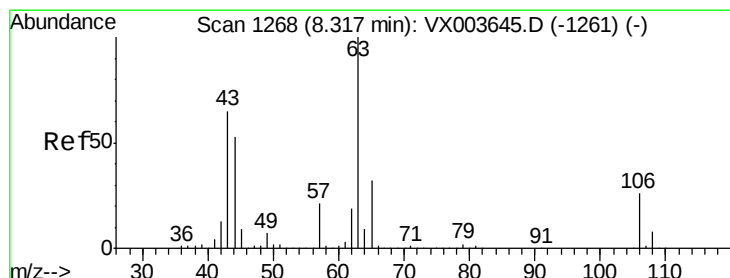
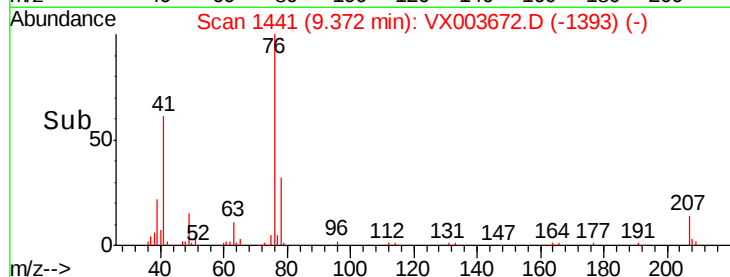
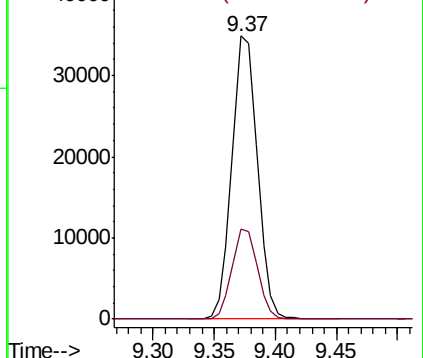
76 100

78 31.9 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 103.21 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003672.D

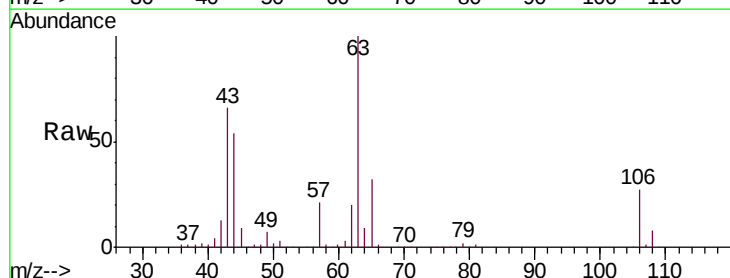
Acq: 26 Jul 2018 16:10

Tgt Ion: 63 Resp: 115876

Ion Ratio Lower Upper

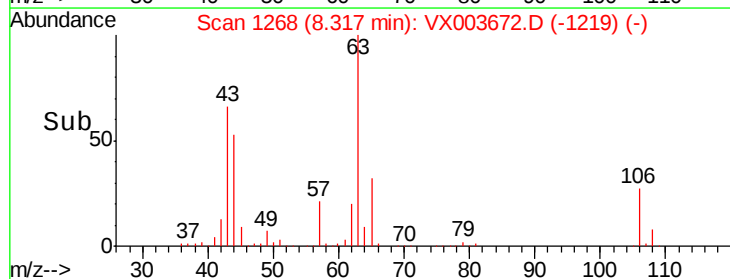
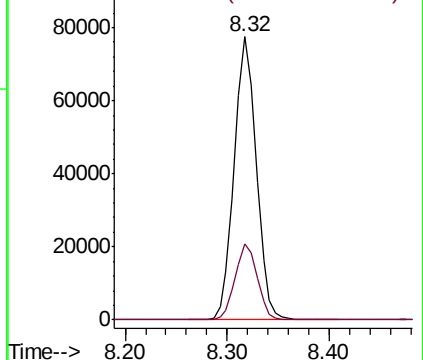
63 100

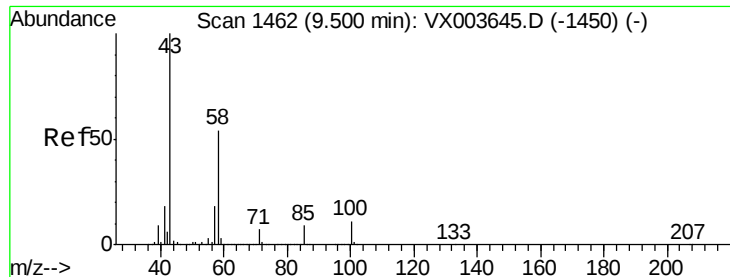
106 26.9 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

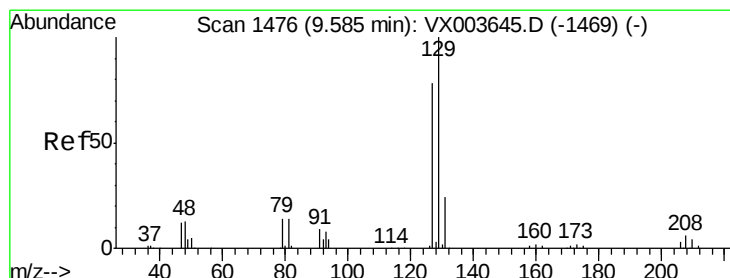
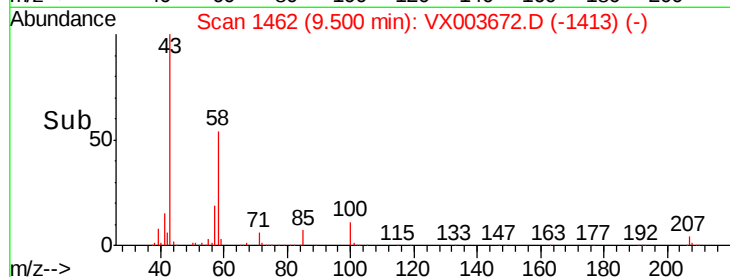
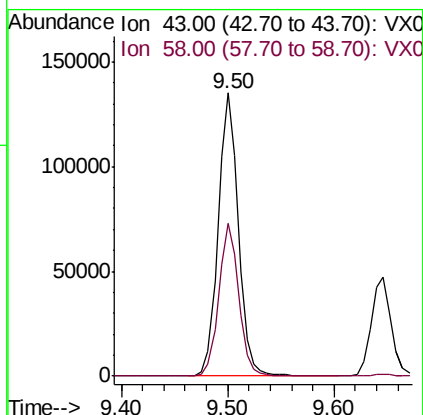
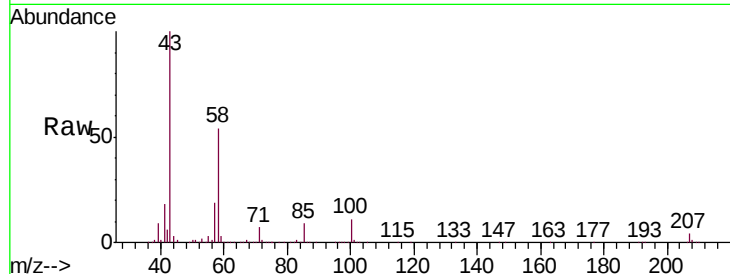




#59
2-Hexanone
Concen: 98.11 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

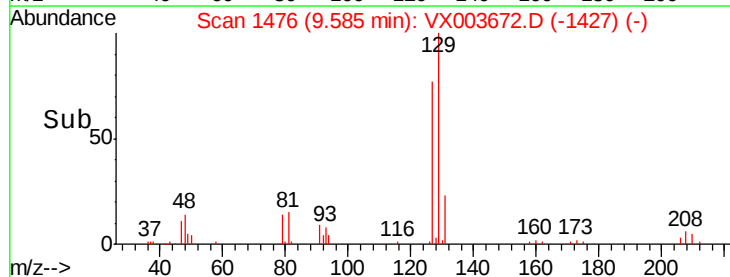
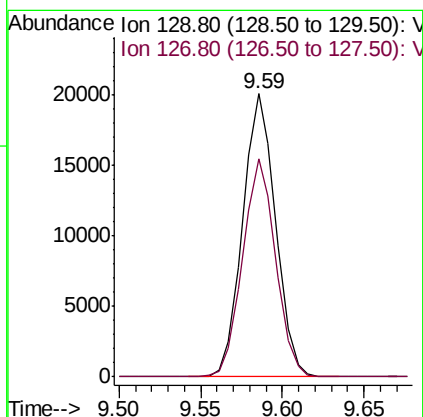
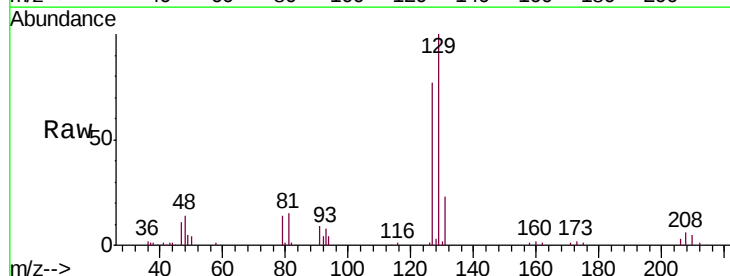
Instrument :
MSVOA_X
ClientSampled :
VX0726WBS01

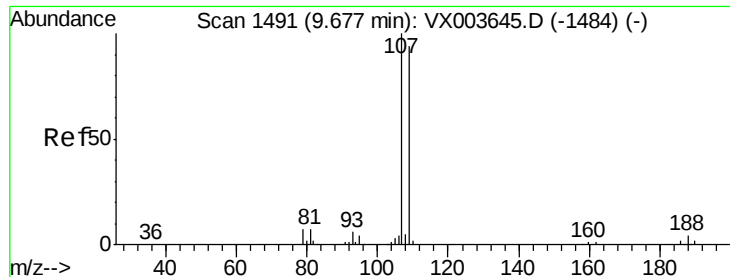
Tot Ion: 43 Resp: 177867
Ion Ratio Lower Upper
43 100
58 53.5 27.3 81.9



#60
Dibromochloromethane
Concen: 19.76 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

Tgt Ion: 129 Resp: 28135
Ion Ratio Lower Upper
129 100
127 77.1 38.7 116.1

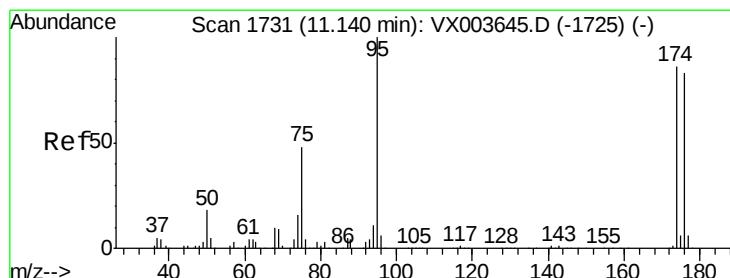
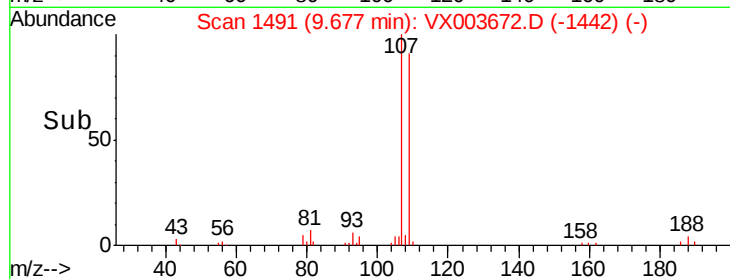
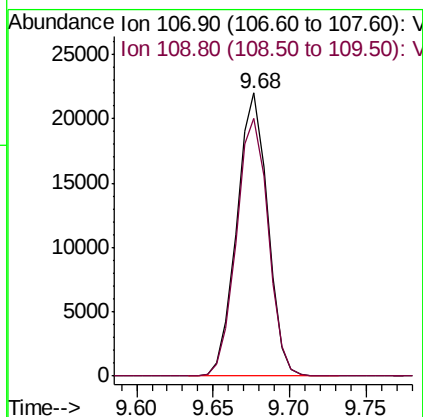
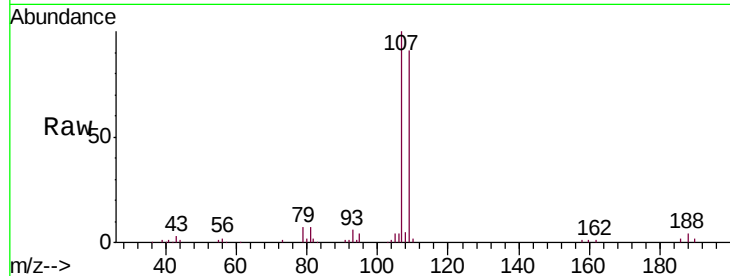




#61
 1,2-Dibromoethane
 Concen: 19.72 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

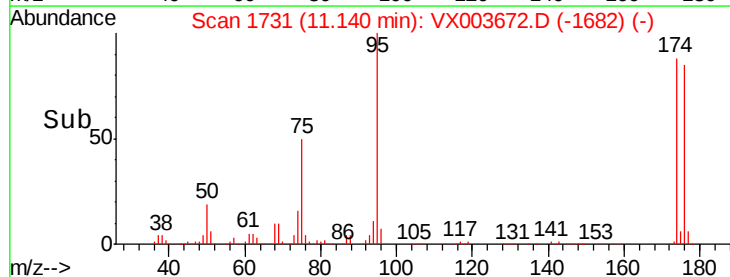
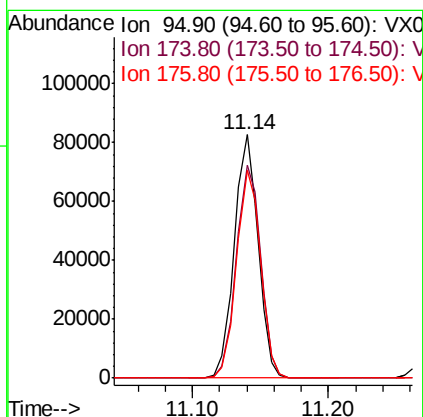
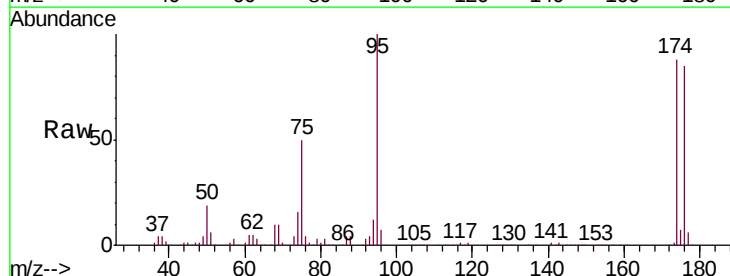
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS01

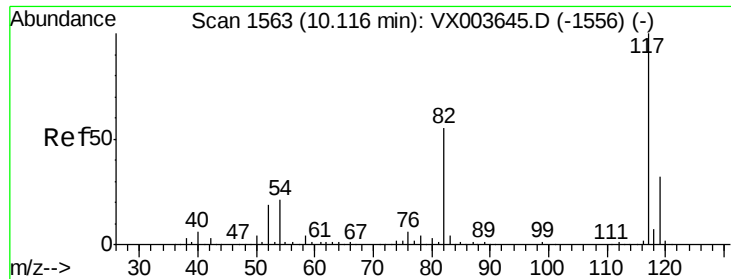
Tot Ion:107 Resp: 30835
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.66 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Tgt Ion: 95 Resp: 100425
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 179.0
 176 86.8 0.0 173.0

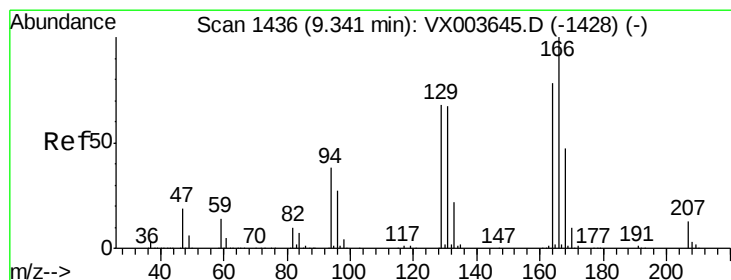
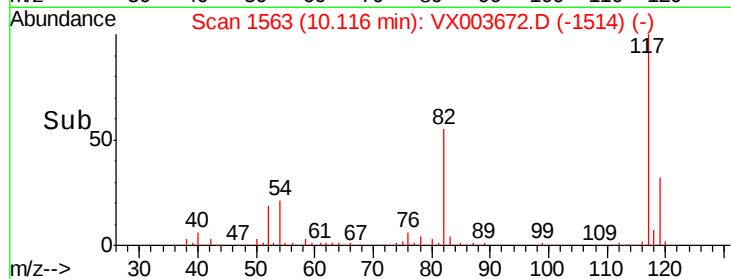
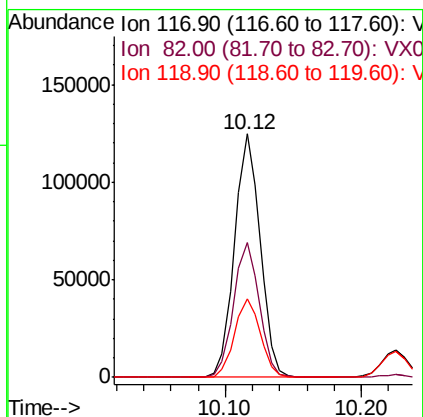
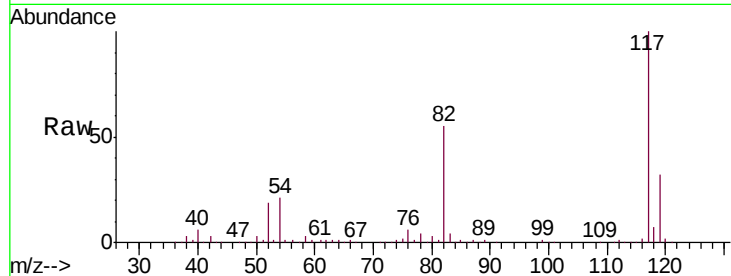




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

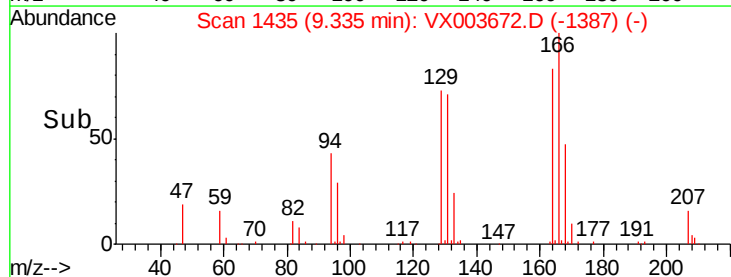
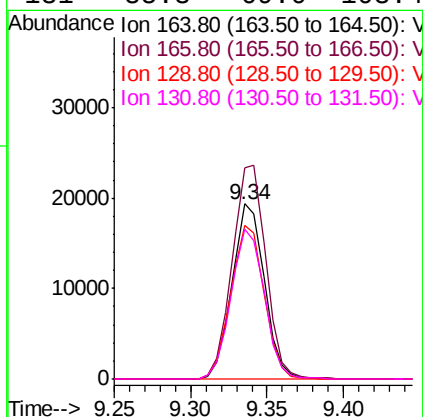
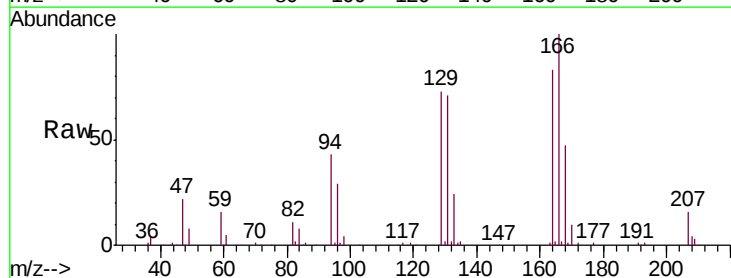
Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS01

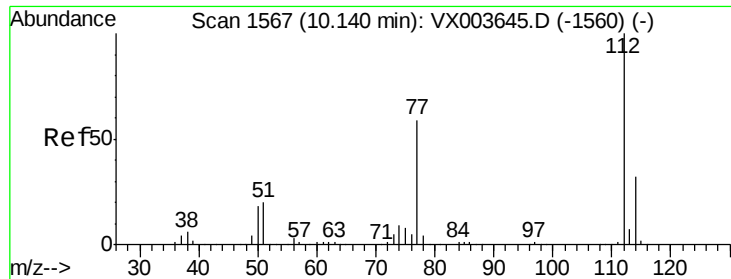
Tot Ion:117 Resp: 163990
Ion Ratio Lower Upper
117 100
82 55.3 44.3 66.5
119 32.4 25.6 38.4



#64
Tetrachloroethene
Concen: 18.91 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

Tgt Ion:164 Resp: 28358
Ion Ratio Lower Upper
164 100
166 120.9 102.4 153.6
129 88.2 69.6 104.4
131 85.3 69.0 103.4

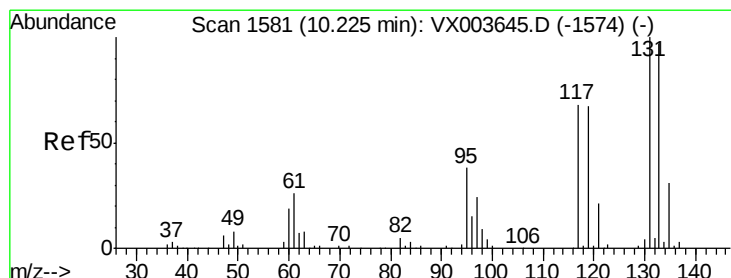
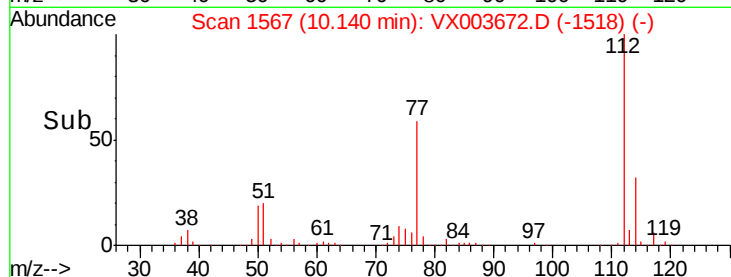
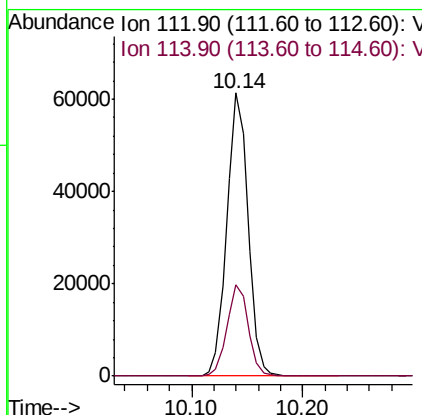
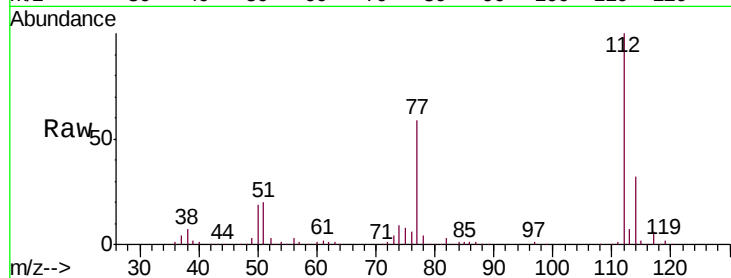




#65
Chlorobenzene
Concen: 19.66 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

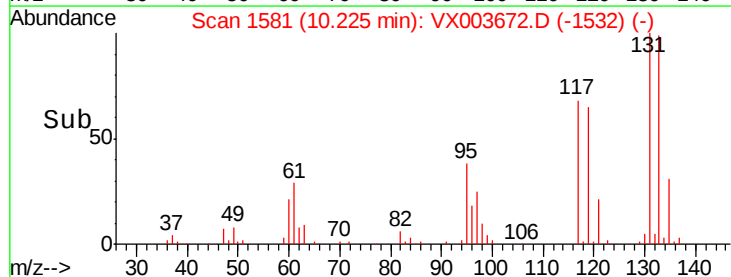
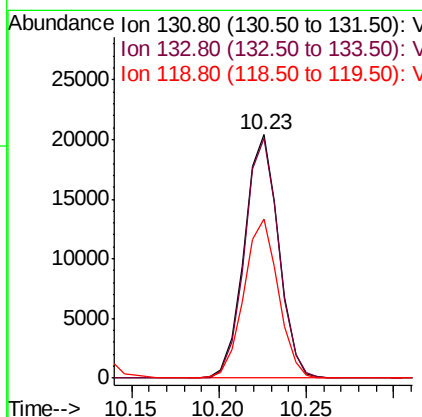
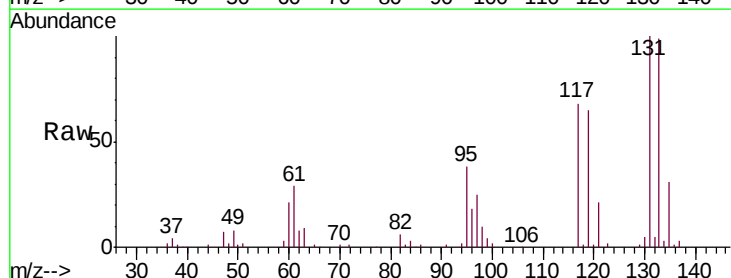
Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS01

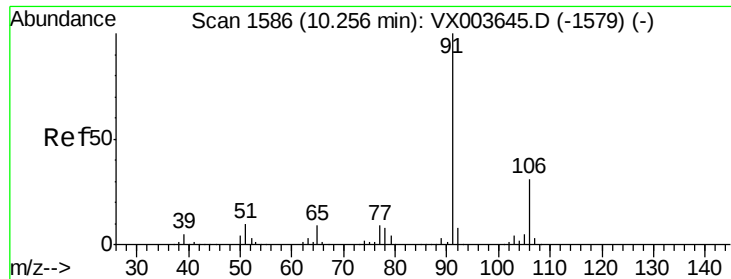
Tot Ion:112 Resp: 81143
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.30 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

Tgt Ion:131 Resp: 27693
Ion Ratio Lower Upper
131 100
133 97.8 47.6 142.8
119 65.5 32.8 98.4

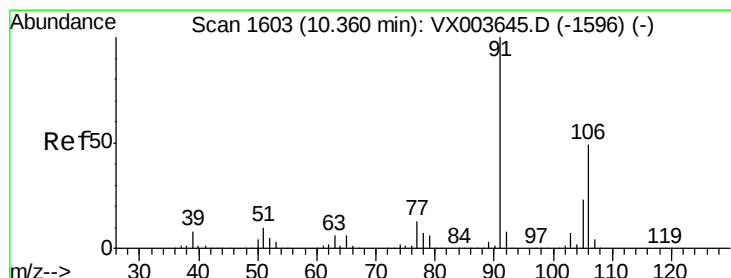
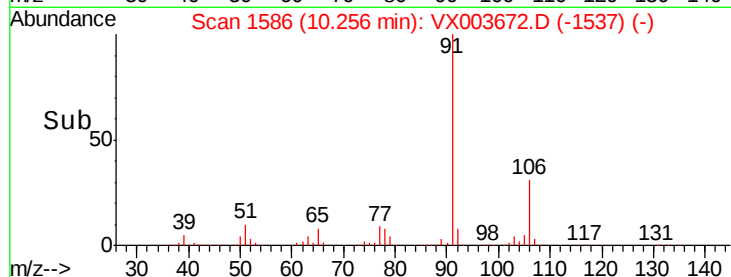
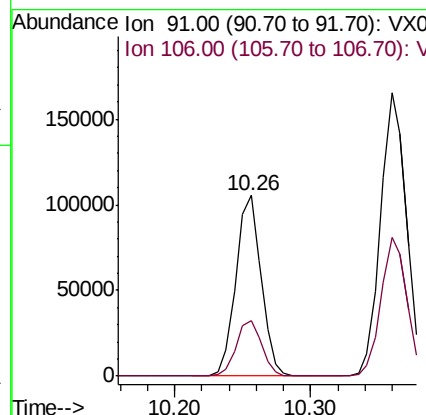
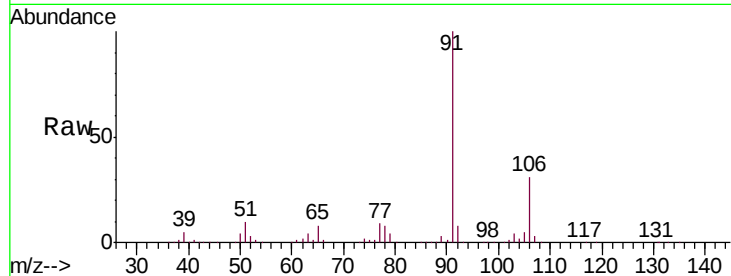




#67
Ethyl Benzene
Concen: 19.75 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

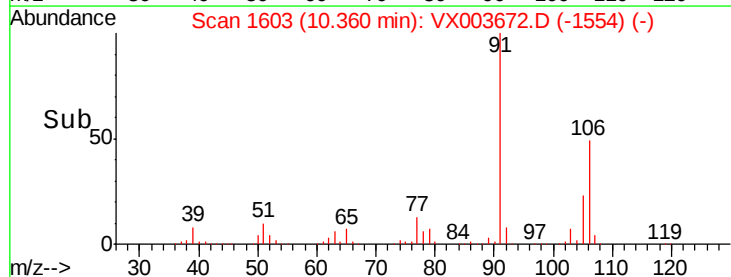
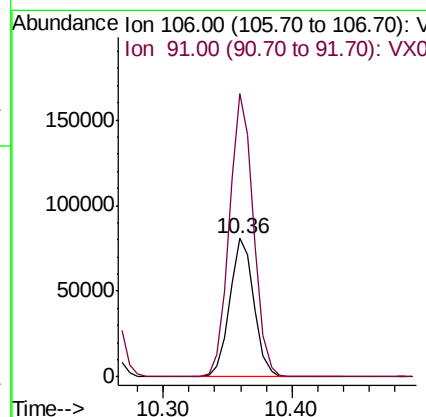
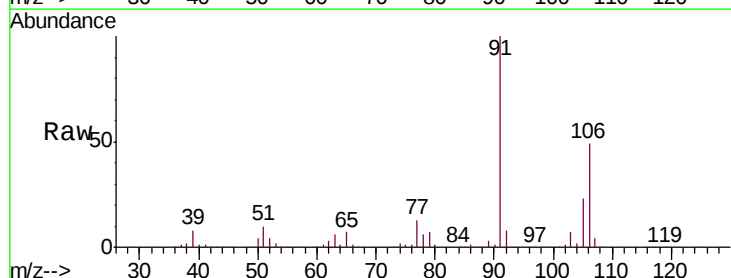
Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS01

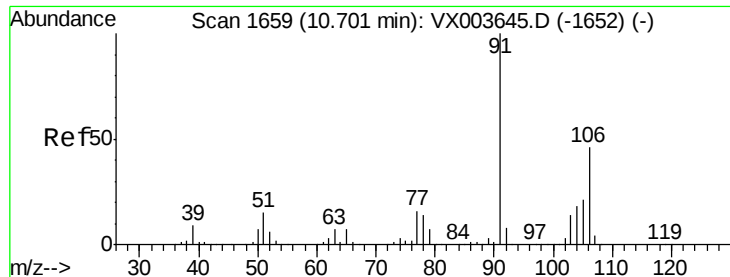
Tot Ion: 91 Resp: 136449
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.6



#68
m/p-Xylenes
Concen: 40.34 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

Tgt Ion: 106 Resp: 106898
Ion Ratio Lower Upper
106 100
91 204.3 162.2 243.2

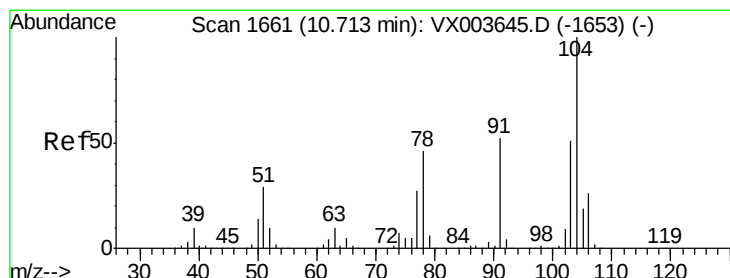
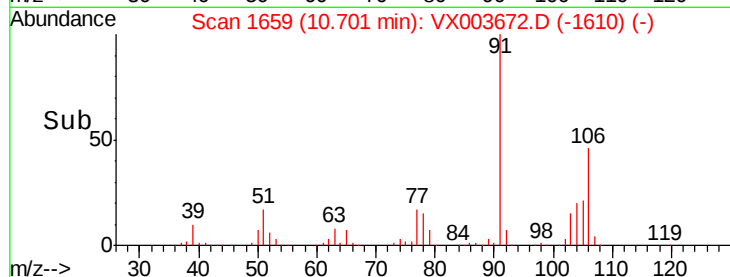
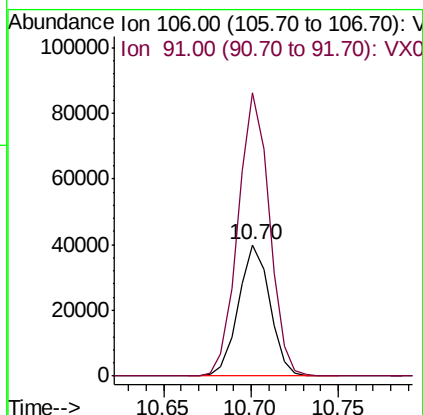
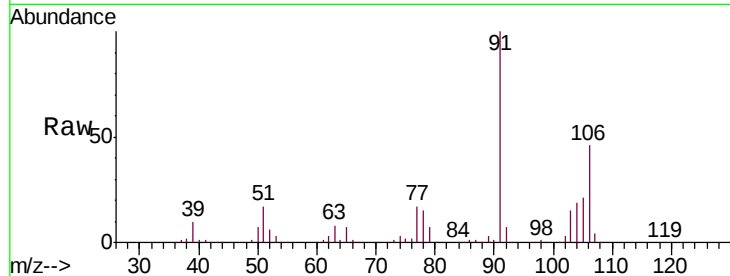




#69
o-Xylene
Concen: 19.57 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

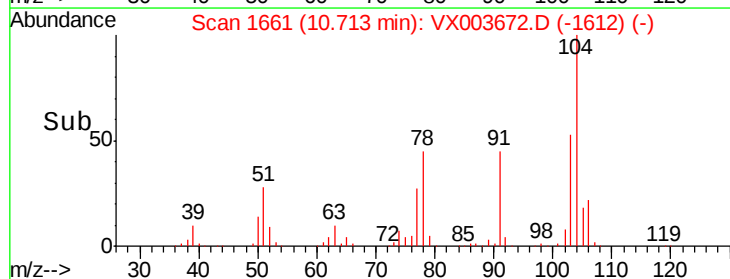
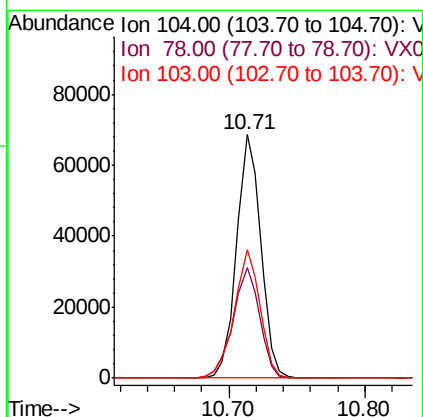
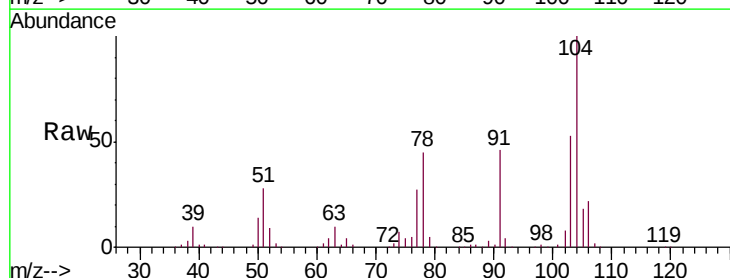
Instrument :
MSVOA_X
ClientSampled :
VX0726WBS01

Tot Ion:106 Resp: 49939
Ion Ratio Lower Upper
106 100
91 217.0 107.1 321.1



#70
Styrene
Concen: 19.93 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

Tgt Ion:104 Resp: 85413
Ion Ratio Lower Upper
104 100
78 50.0 39.2 58.8
103 56.0 44.2 66.4





#71

Bromoform

Concen: 18.73 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS01

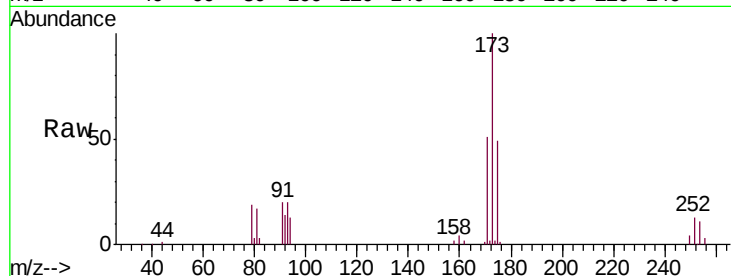
Tot Ion:173 Resp: 21245

Ion Ratio Lower Upper

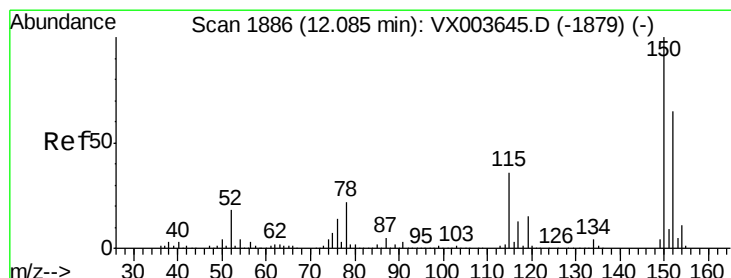
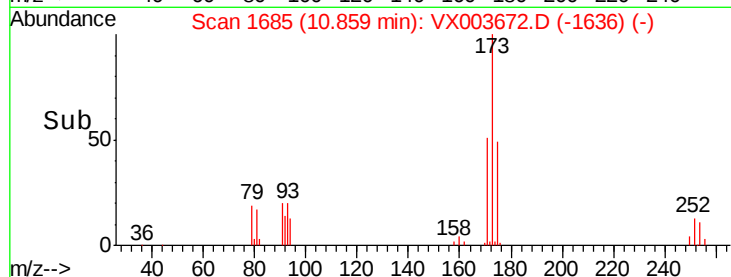
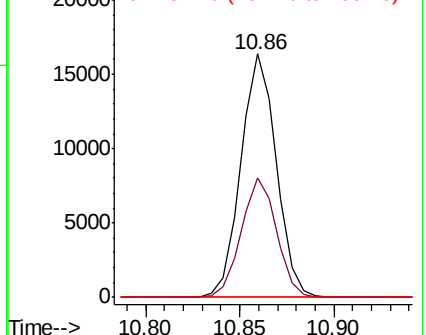
173 100

175 49.1 24.1 72.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

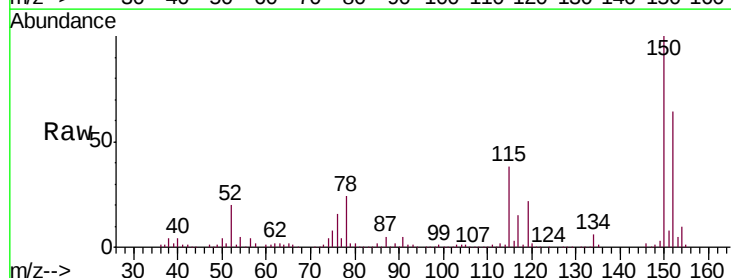
Tgt Ion:152 Resp: 100224

Ion Ratio Lower Upper

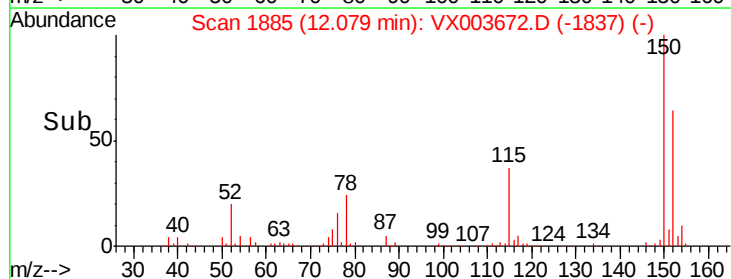
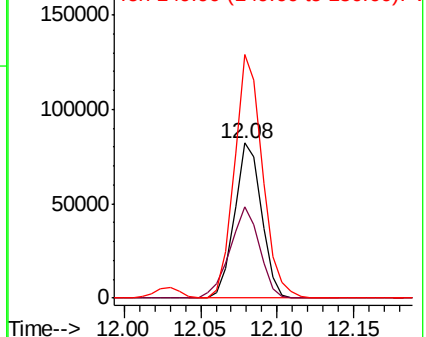
152 100

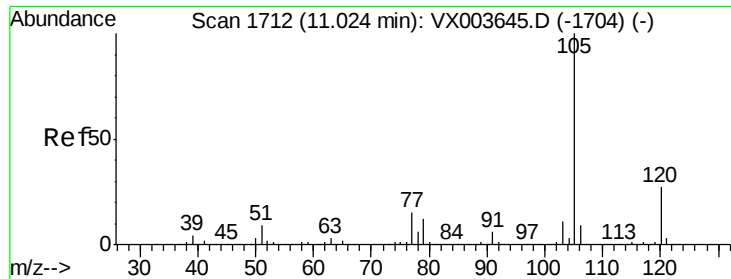
115 64.8 40.0 119.9

150 163.2 0.0 348.4



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





#73

Isopropylbenzene

Concen: 20.16 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

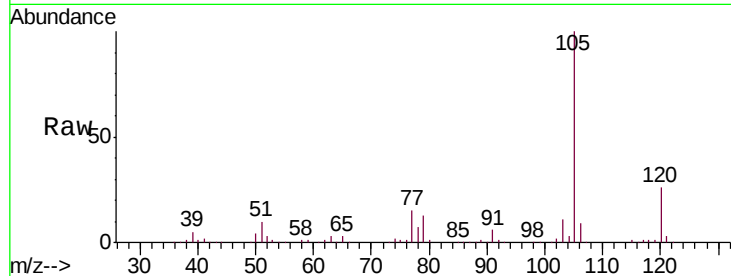
VX0726WBS01

Tot Ion:105 Resp: 138041

Ion Ratio Lower Upper

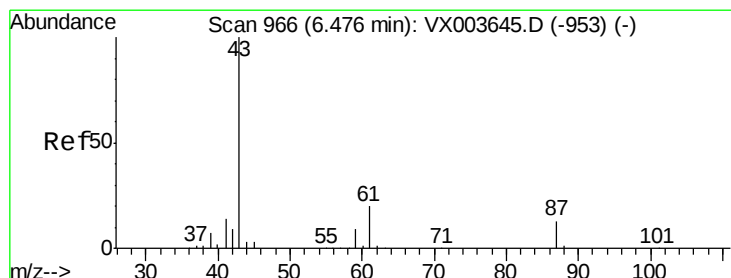
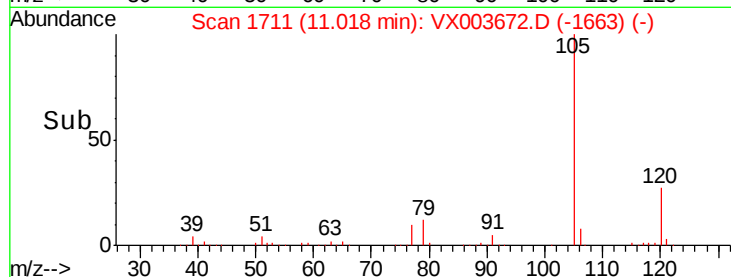
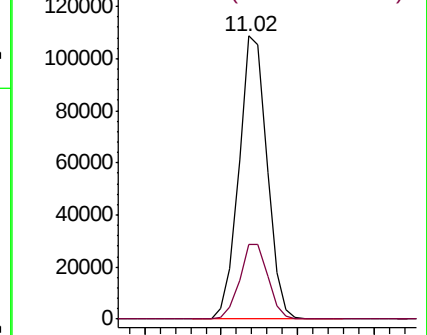
105 100

120 26.6 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.27 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Tgt Ion: 43 Resp: 68817

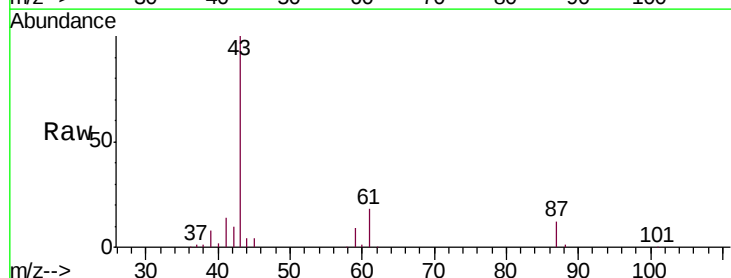
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 19.9 15.9 23.9

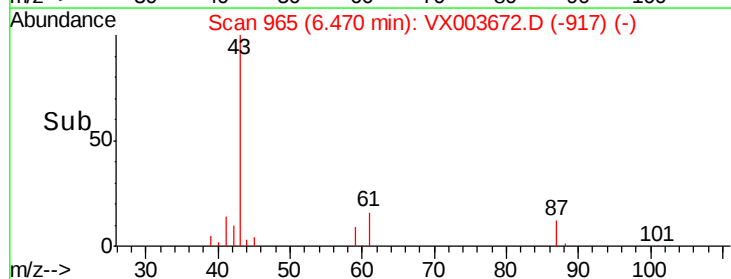
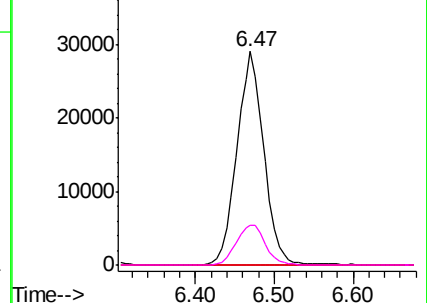


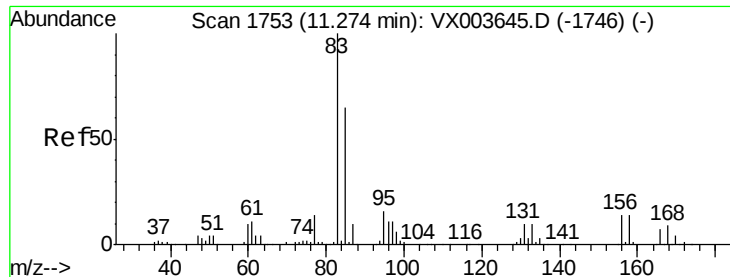
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.97 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS01

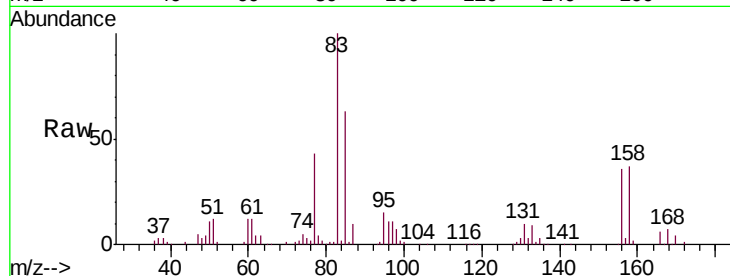
Tot Ion: 83 Resp: 47974

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.4

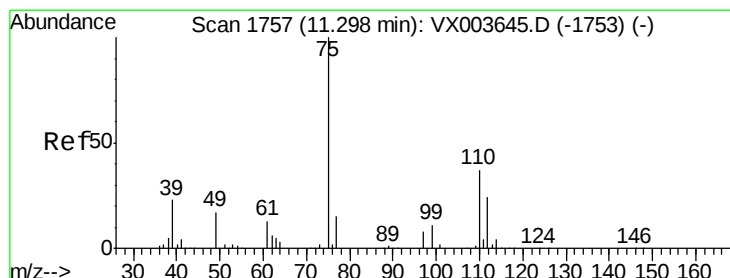
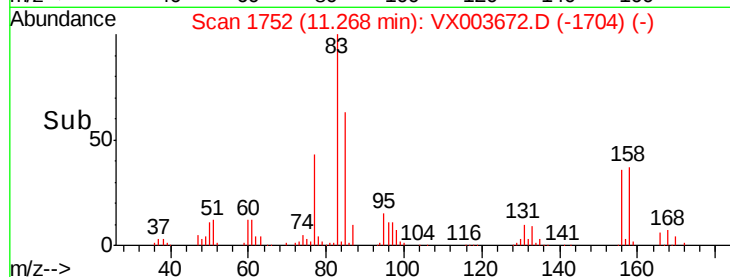
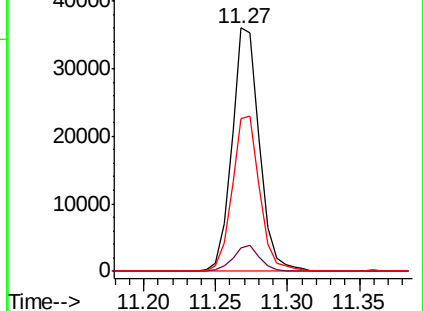
85 64.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.99 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003672.D

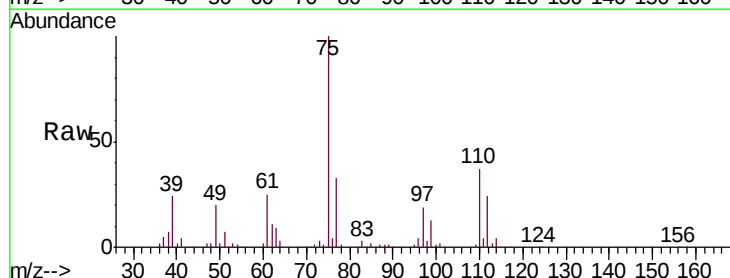
Acq: 26 Jul 2018 16:10

Tgt Ion: 75 Resp: 52523

Ion Ratio Lower Upper

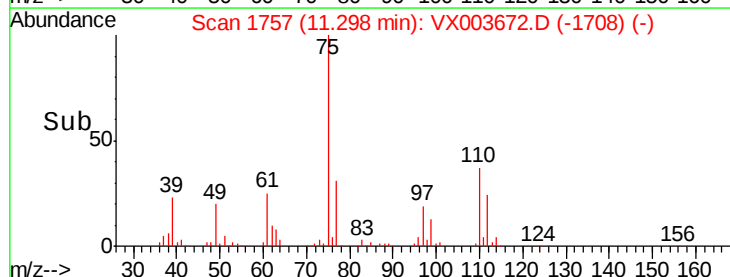
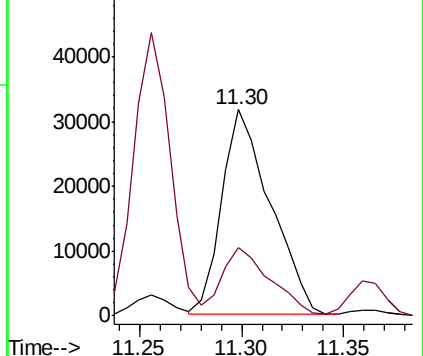
75 100

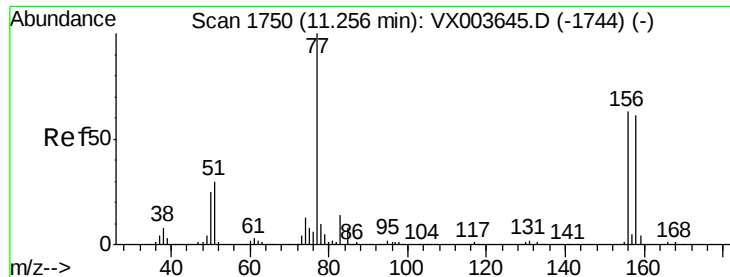
77 32.7 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.55 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS01

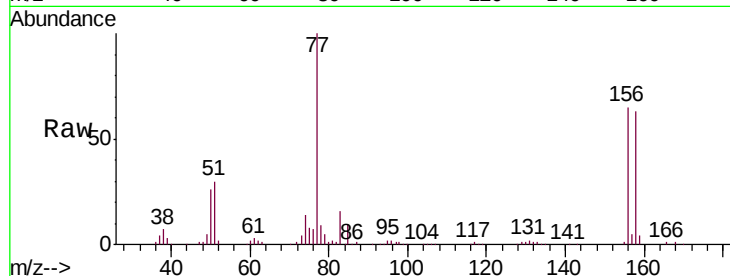
Tot Ion:156 Resp: 36368

Ion Ratio Lower Upper

156 100

77 151.0 74.9 224.6

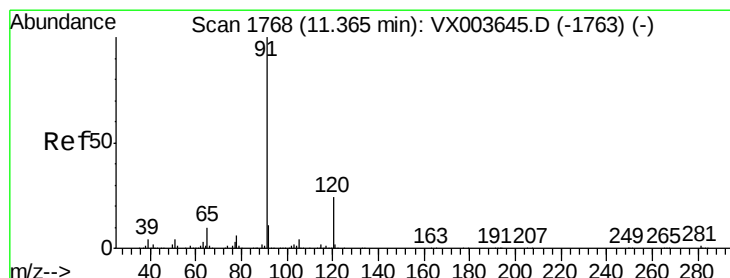
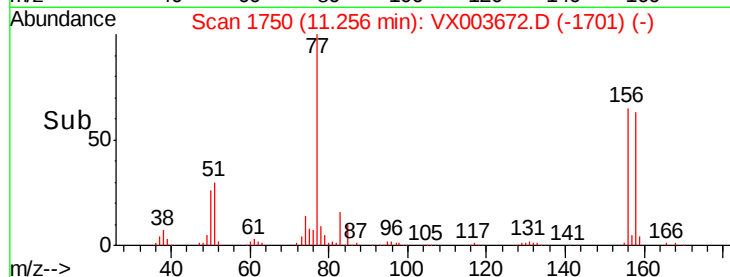
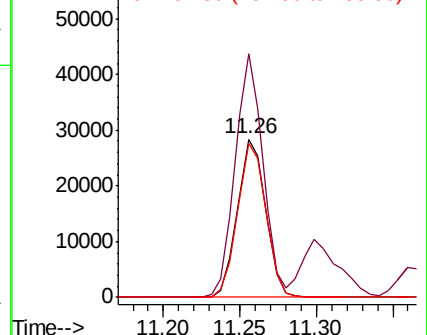
158 97.8 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.40 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003672.D

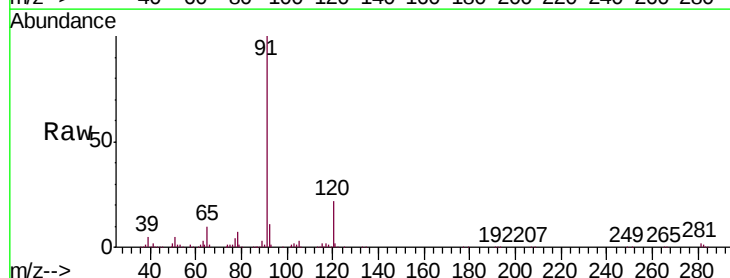
Acq: 26 Jul 2018 16:10

Tgt Ion: 91 Resp: 161289

Ion Ratio Lower Upper

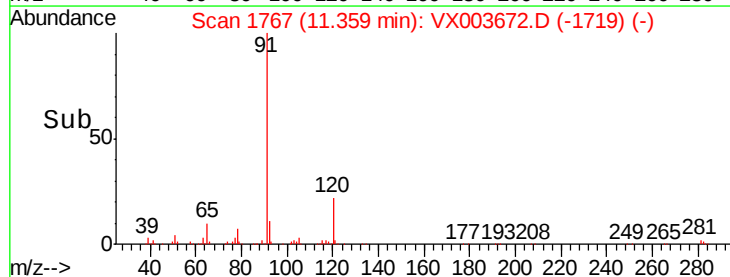
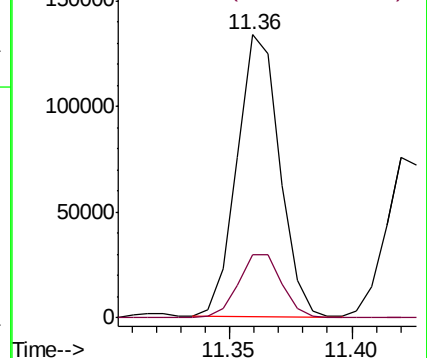
91 100

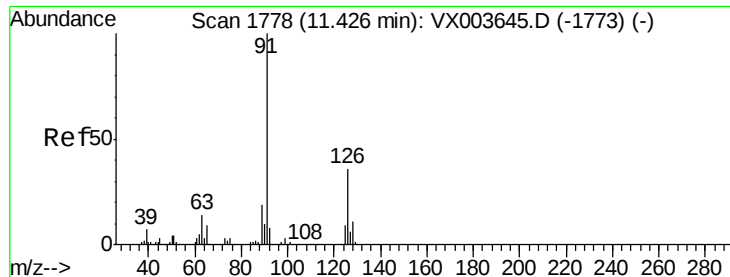
120 23.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.95 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampled :

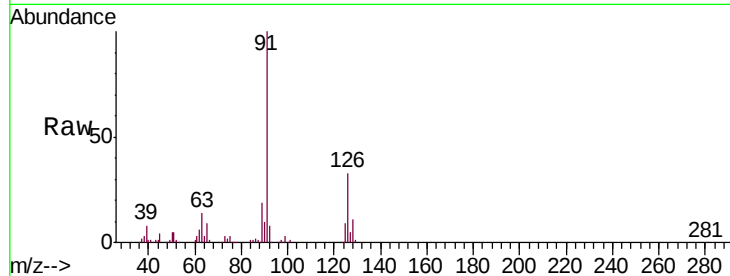
VX0726WBS01

Tot Ion: 91 Resp: 95898

Ion Ratio Lower Upper

91 100

126 35.0 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VX003645.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003645.D (-1773) (-)

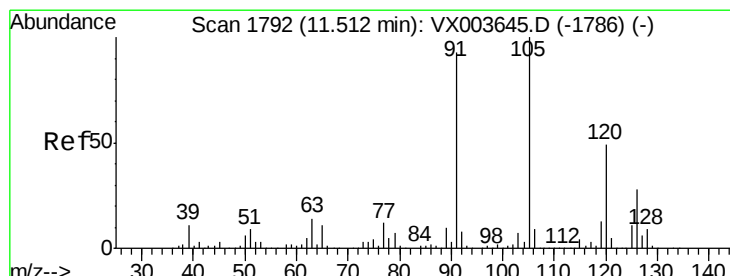
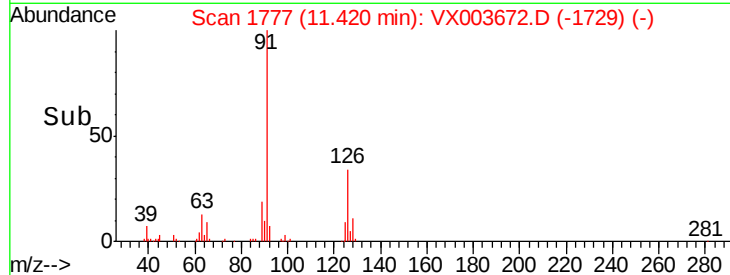
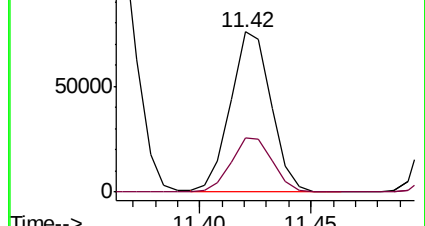
150000

100000

50000

0

11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 20.25 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003672.D

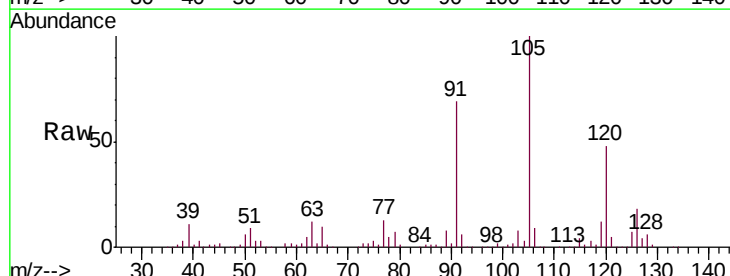
Acq: 26 Jul 2018 16:10

Tgt Ion: 105 Resp: 117332

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003645.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003645.D (-1786) (-)

100000

80000

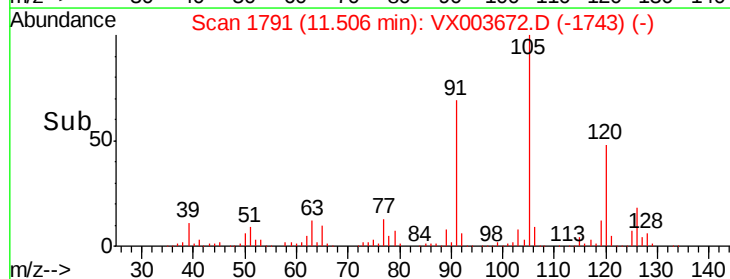
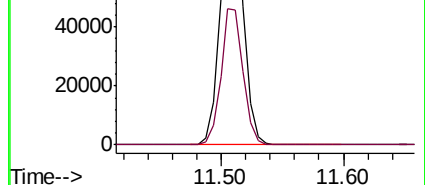
60000

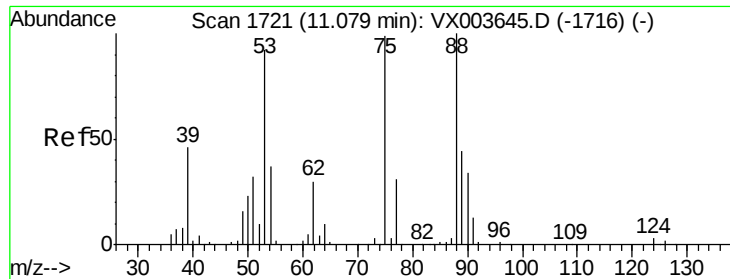
40000

20000

0

11.50 11.60





#81

trans-1,4-Dichloro-2-butene

Concen: 19.04 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampled :

VX0726WBS01

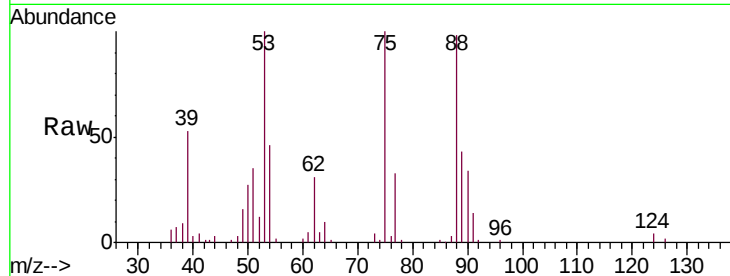
Tot Ion: 75 Resp: 12920

Ion Ratio Lower Upper

75 100

53 103.1 77.8 116.8

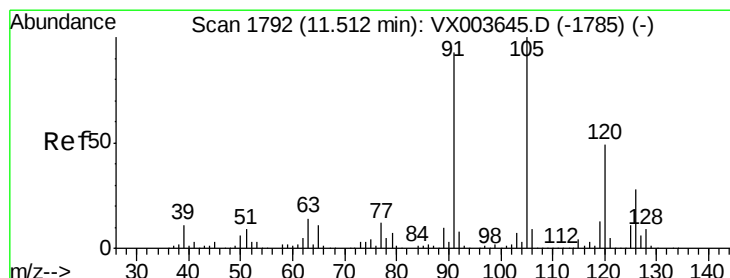
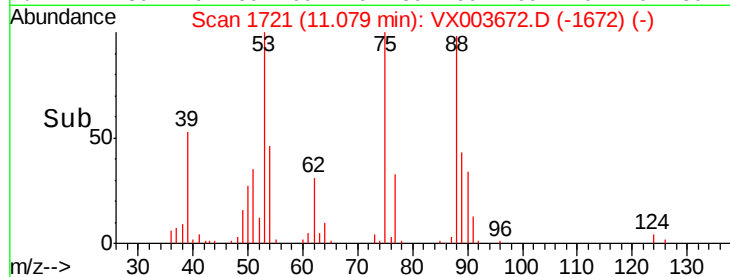
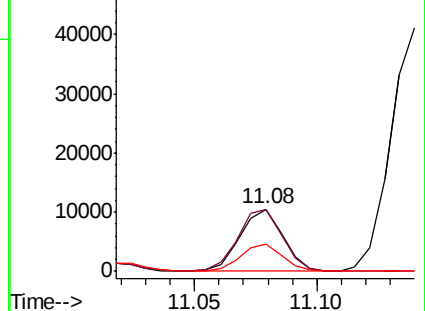
89 42.8 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.14 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003672.D

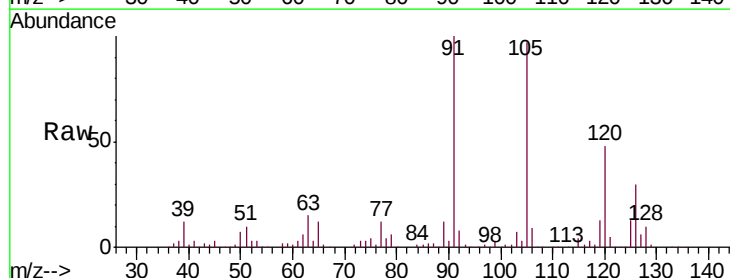
Acq: 26 Jul 2018 16:10

Tgt Ion: 91 Resp: 114035

Ion Ratio Lower Upper

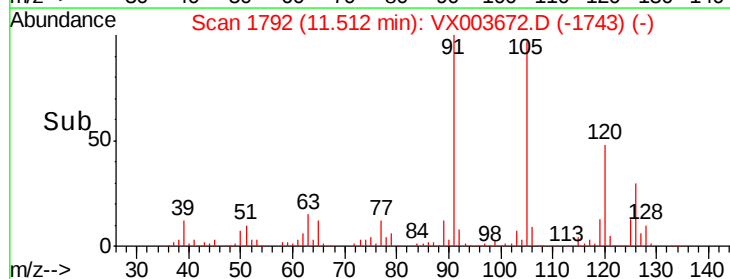
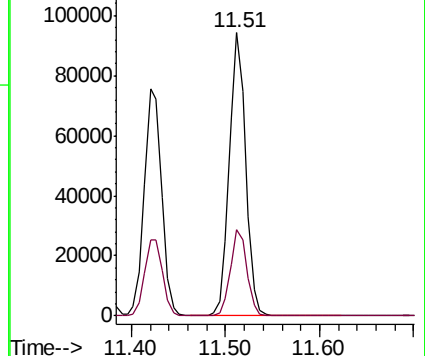
91 100

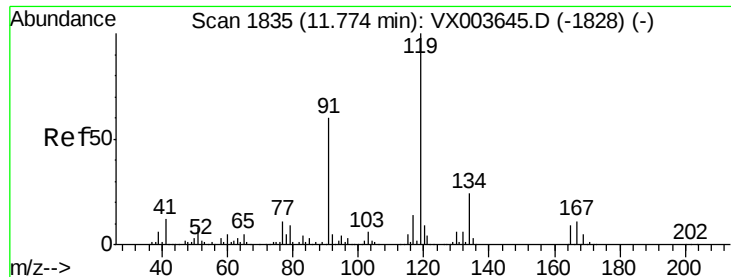
126 30.4 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

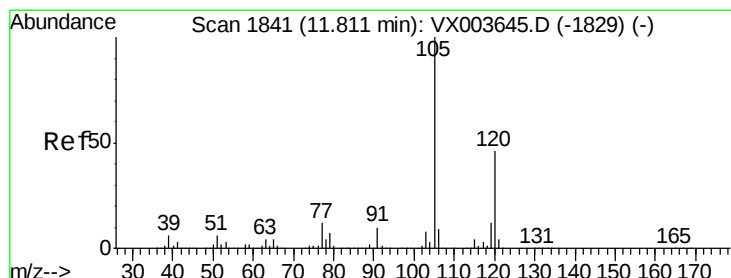
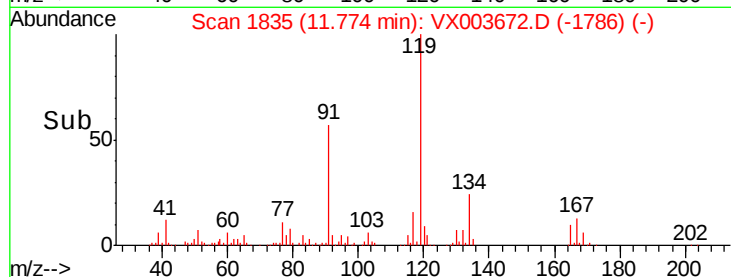
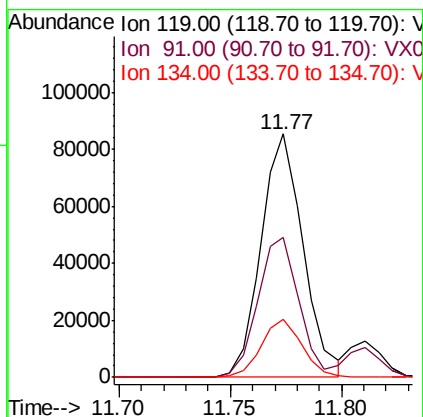
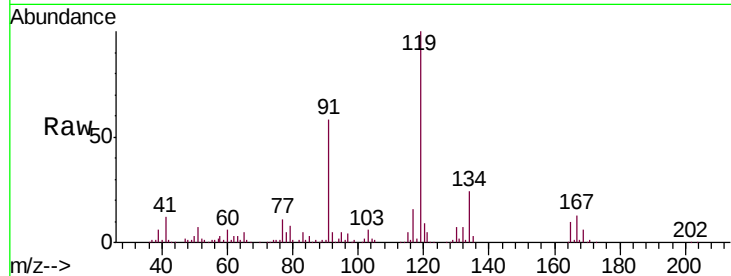




#83
 tert-Butylbenzene
 Concen: 19.79 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

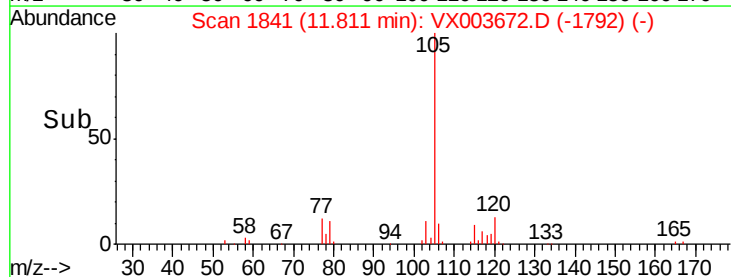
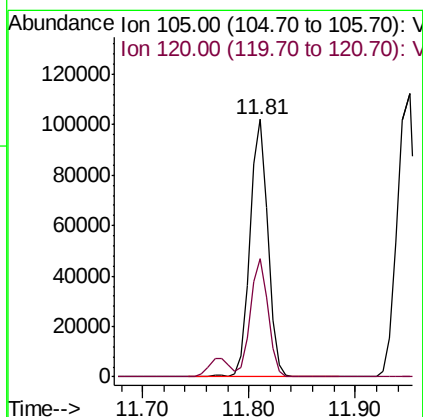
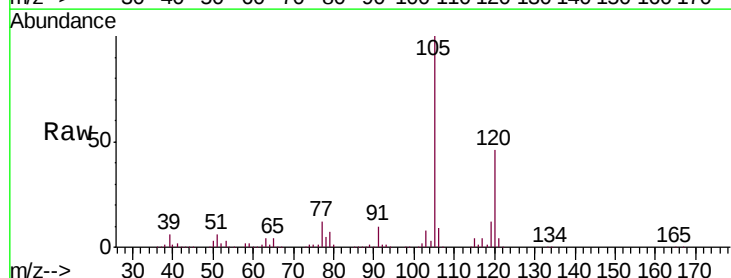
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0726WBS01

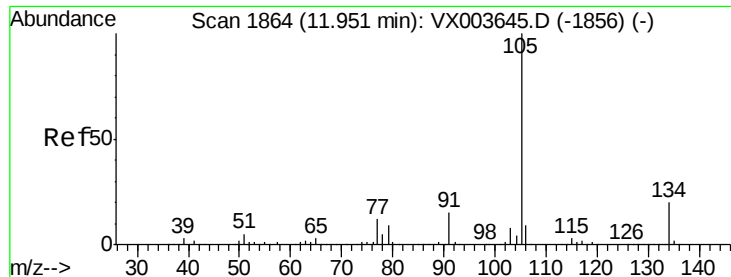
Tot Ion:119 Resp: 112202
 Ion Ratio Lower Upper
 119 100
 91 56.0 28.4 85.2
 134 23.1 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.31 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Tgt Ion:105 Resp: 120954
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.6 67.8





#85

sec-Butylbenzene

Concen: 20.27 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

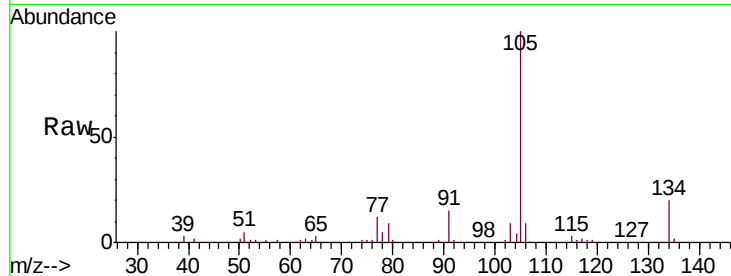
VX0726WBS01

Tot Ion:105 Resp: 137160

Ion Ratio Lower Upper

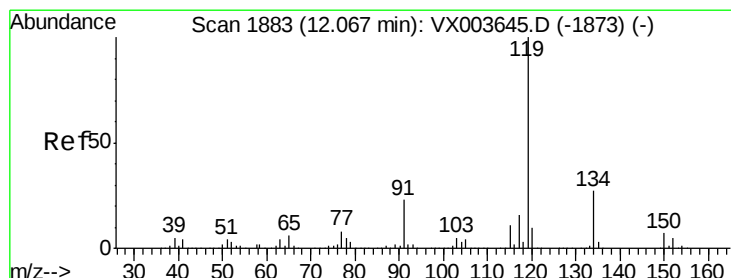
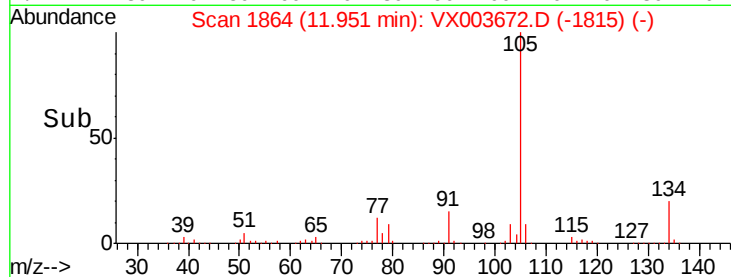
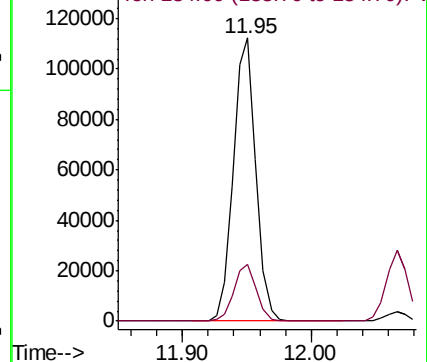
105 100

134 20.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.28 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

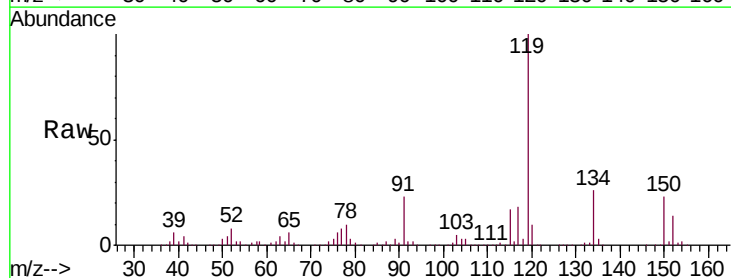
Tgt Ion:119 Resp: 123150

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

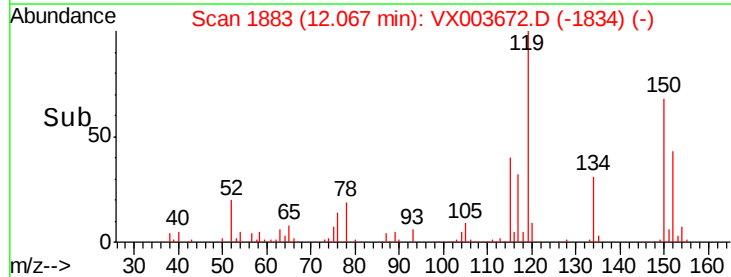
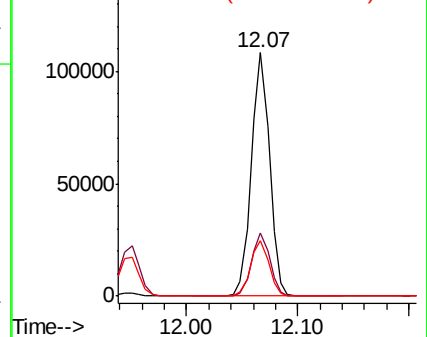
91 23.1 11.5 34.5

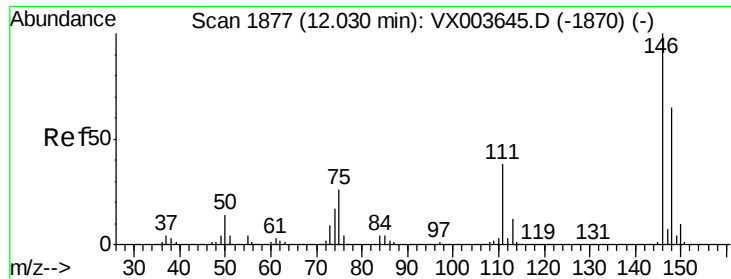


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

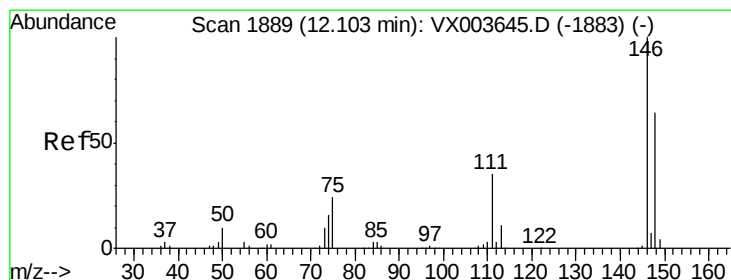
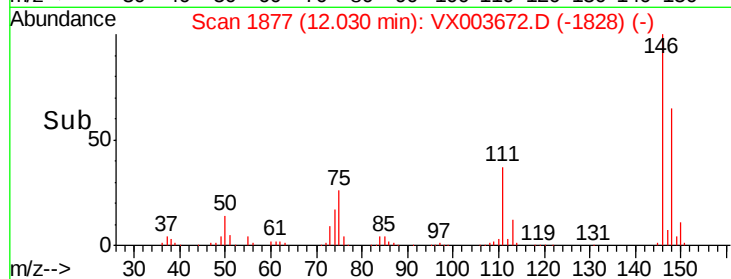
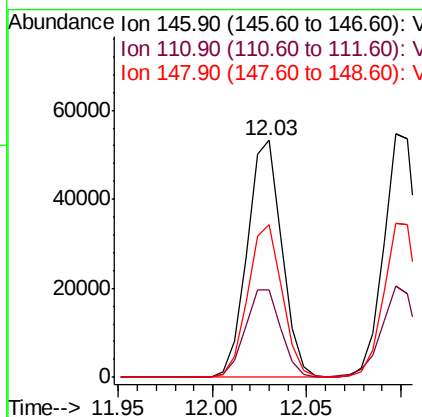
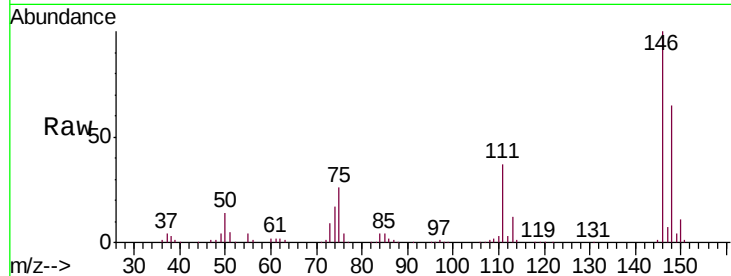




#87
 1,3-Dichlorobenzene
 Concen: 19.57 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

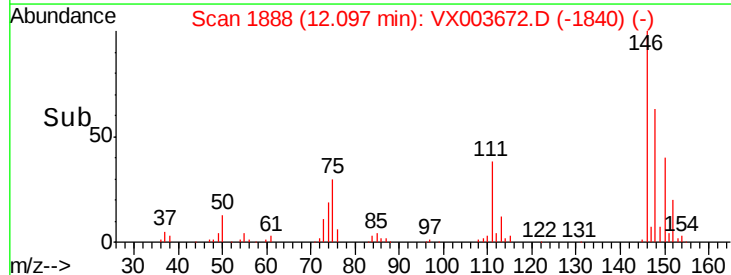
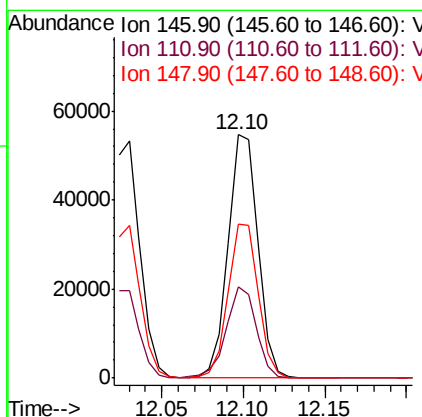
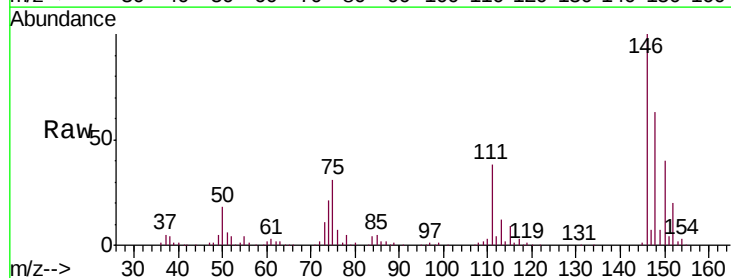
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS01

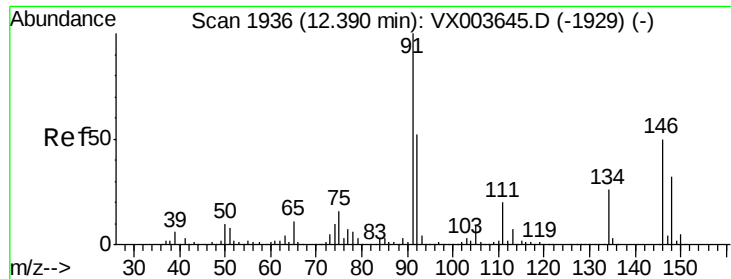
Tot Ion:146 Resp: 67801
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.4 58.2
 148 64.2 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 19.29 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Tgt Ion:146 Resp: 69464
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.6
 148 63.7 32.0 96.2

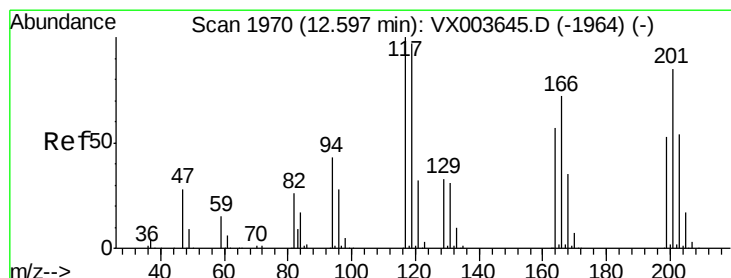
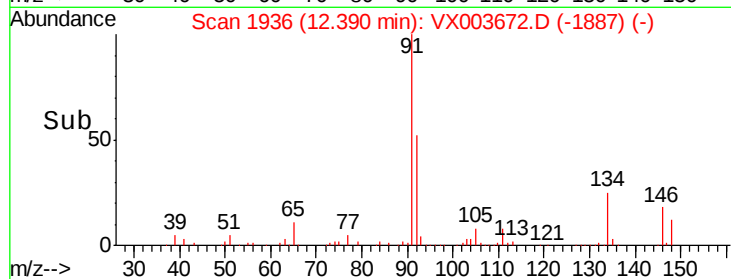
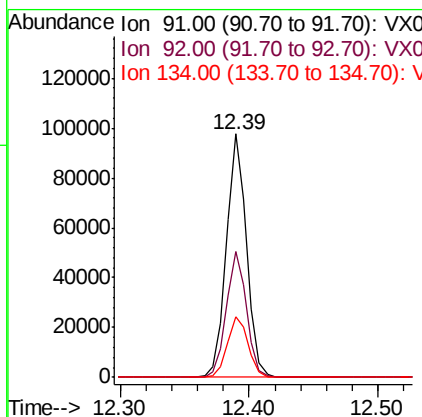
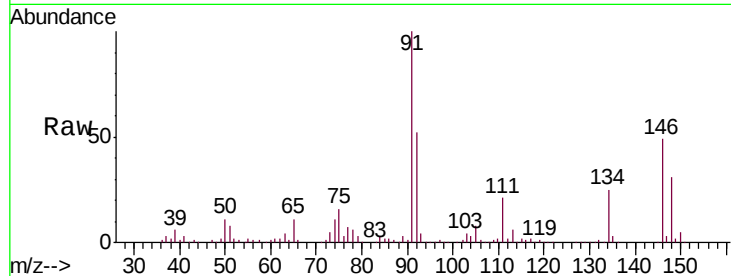




#89
n-Butylbenzene
Concen: 19.65 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

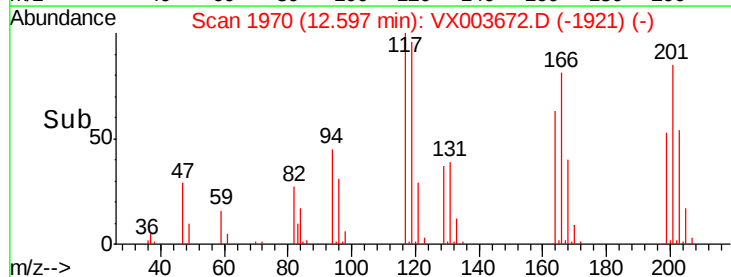
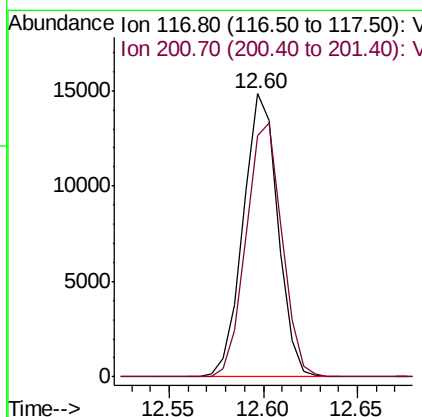
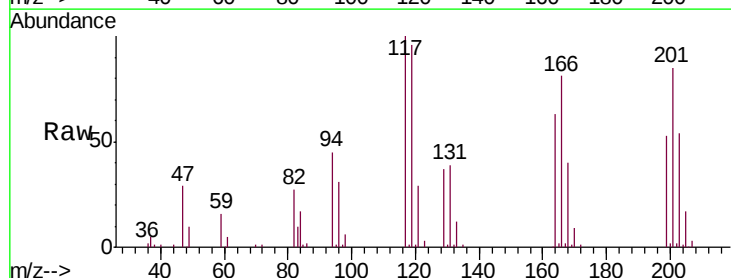
Instrument :
MSVOA_X
ClientSampleId :
VX0726WBS01

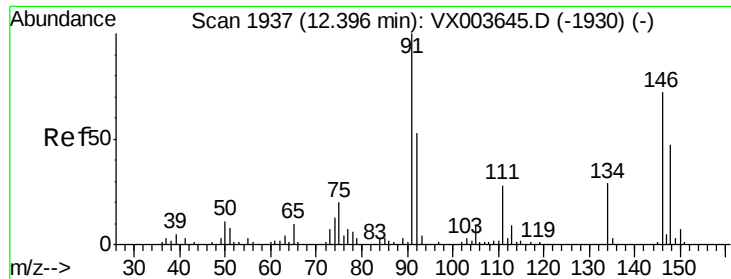
Tot Ion: 91 Resp: 107533
Ion Ratio Lower Upper
91 100
92 51.7 26.3 78.9
134 25.8 13.3 39.8



#90
Hexachloroethane
Concen: 20.56 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003672.D
Acq: 26 Jul 2018 16:10

Tgt Ion: 117 Resp: 18914
Ion Ratio Lower Upper
117 100
201 92.7 46.2 138.5





#91

1,2-Dichlorobenzene

Concen: 19.30 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS01

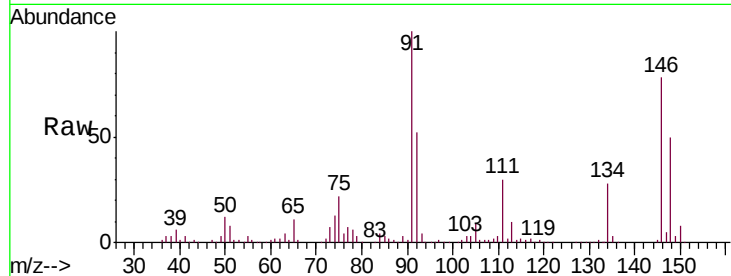
Tot Ion:146 Resp: 68309

Ion Ratio Lower Upper

146 100

111 39.6 19.8 59.4

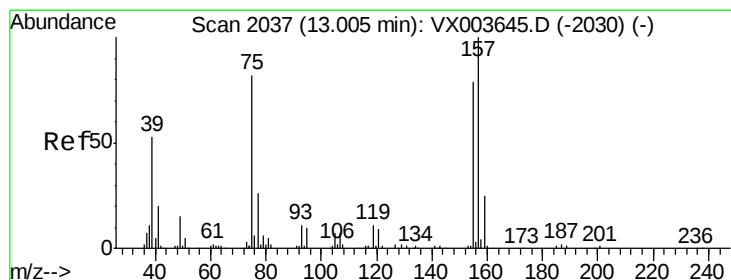
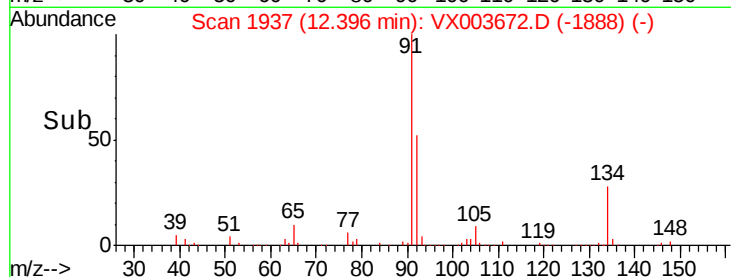
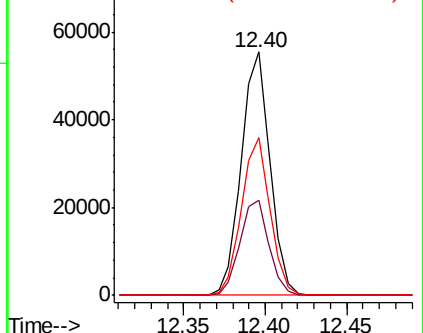
148 64.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.98 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

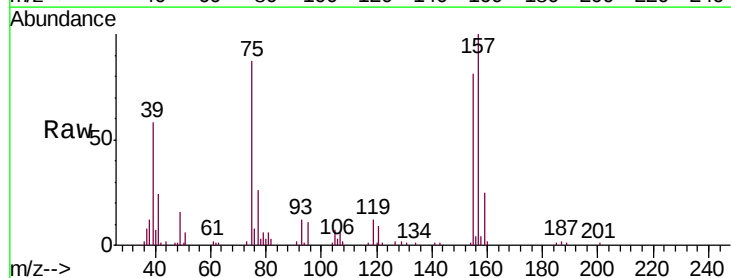
Tgt Ion: 75 Resp: 9989

Ion Ratio Lower Upper

75 100

155 90.5 46.1 138.3

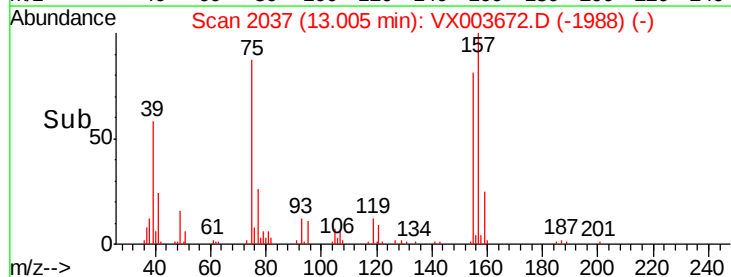
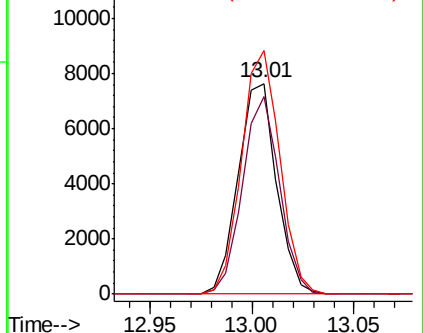
157 115.3 59.7 179.0

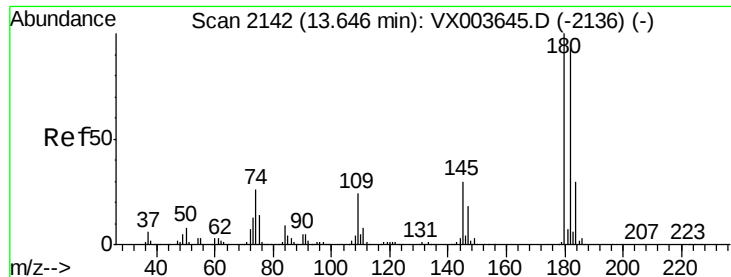


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

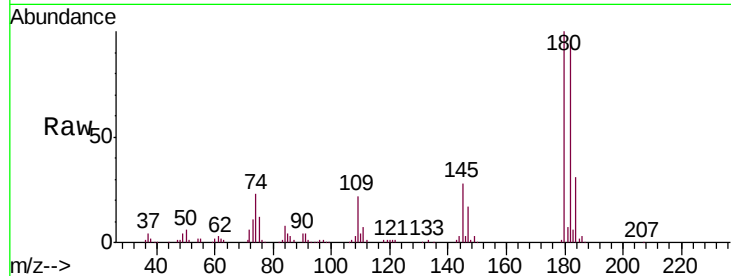




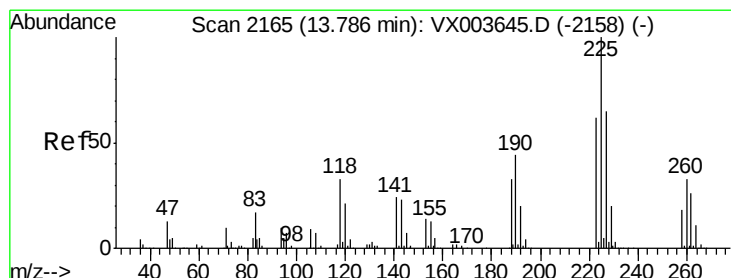
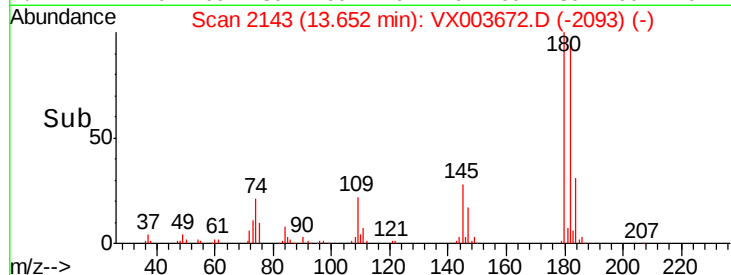
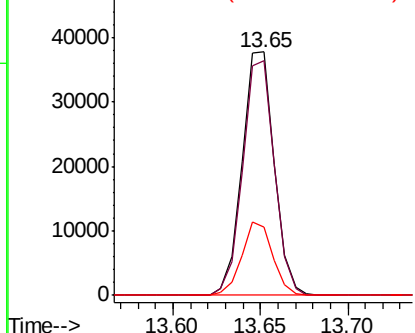
#93
 1,2,4-Trichlorobenzene
 Concen: 18.99 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS01

Tot Ion:180 Resp: 47952
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.9 143.8
 145 28.8 14.4 43.2

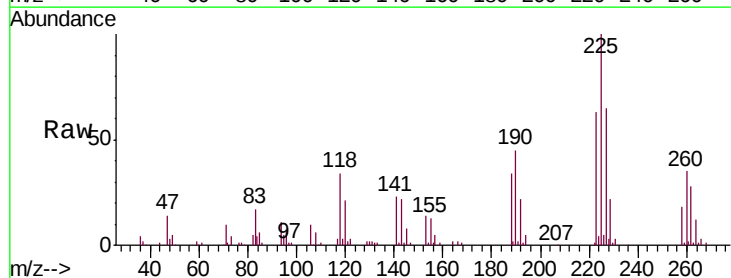


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

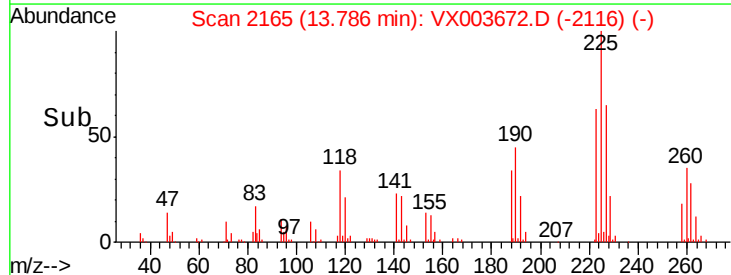
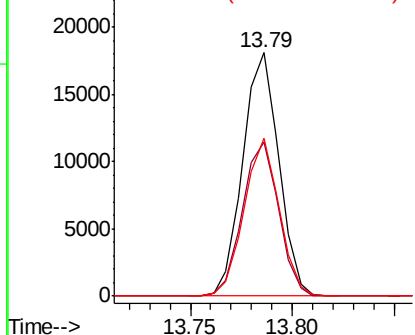


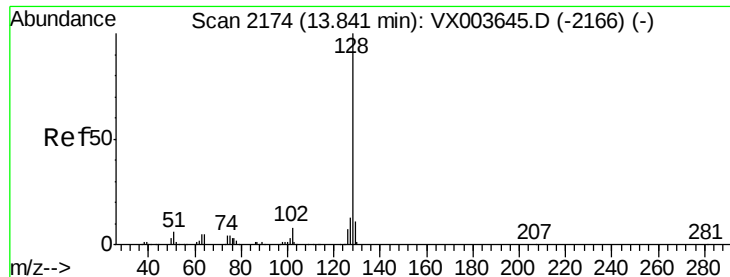
#94
 Hexachlorobutadiene
 Concen: 19.08 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003672.D
 Acq: 26 Jul 2018 16:10

Tgt Ion:225 Resp: 22288
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.9 92.5
 227 63.0 31.9 95.7



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: 18.88 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBS01

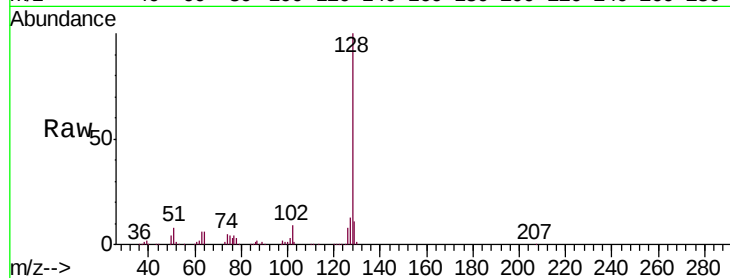
Tot Ion:128 Resp: 144226

Ion Ratio Lower Upper

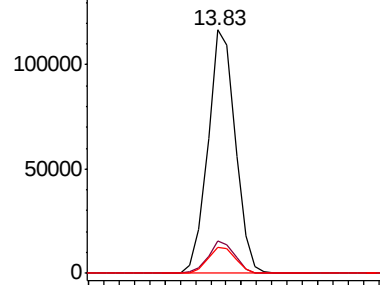
128 100

127 13.0 10.4 15.6

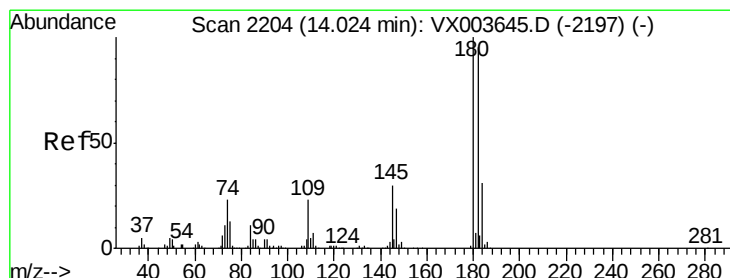
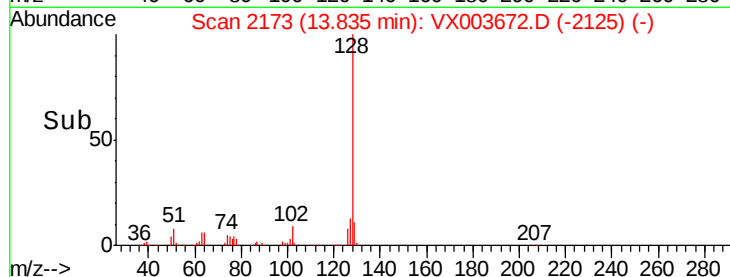
129 10.8 8.7 13.1



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



Time--> 13.75 13.80 13.85 13.90



#96

1,2,3-Trichlorobenzene

Concen: 19.26 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003672.D

Acq: 26 Jul 2018 16:10

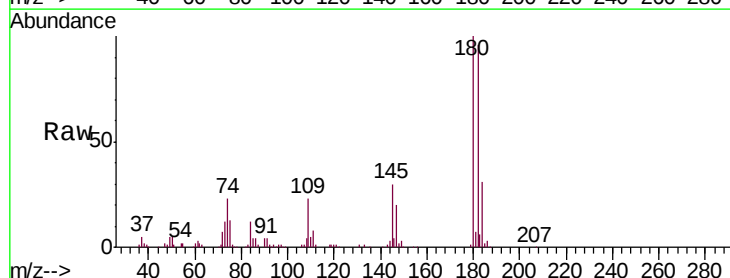
Tgt Ion:180 Resp: 49411

Ion Ratio Lower Upper

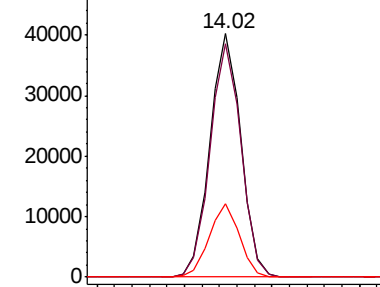
180 100

182 95.6 47.6 142.8

145 29.6 15.0 45.1



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



Time--> 13.95 14.00 14.05 14.10

