

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004076.D
 Acq On : 15 Aug 2018 16:54
 Operator : JC/MD
 Sample : VX0815WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Quant Time: Aug 16 05:51:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	307318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	452373	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	434733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	245503	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	215579	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	5.50	113	172875	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	8.72	98	686356	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.14	95	246214	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	61647	20.61	ug/l	99
3) Chloromethane	1.32	50	73266	19.96	ug/l	100
4) Vinyl Chloride	1.40	62	80198	20.19	ug/l	99
5) Bromomethane	1.64	94	45873	22.69	ug/l	99
6) Chloroethane	1.72	64	57181	20.85	ug/l	97
7) Trichlorofluoromethane	1.93	101	111190	19.96	ug/l	97
8) Diethyl Ether	2.18	74	47786	19.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68332	19.66	ug/l	99
10) Methyl Iodide	2.51	142	67980	21.49	ug/l	99
11) Tert butyl alcohol	3.05	59	95553	109.59	ug/l	98
12) 1,1-Dichloroethene	2.37	96	64272	19.88	ug/l	99
13) Acrolein	2.29	56	54979	99.81	ug/l	100
14) Allyl chloride	2.73	41	122237	19.87	ug/l	97
15) Acrylonitrile	3.14	53	227820	104.79	ug/l	99
16) Acetone	2.44	43	238844	106.09	ug/l	99
17) Carbon Disulfide	2.57	76	171832	18.74	ug/l	100
18) Methyl Acetate	2.77	43	107899	21.57	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	227359	19.96	ug/l	99
20) Methylene Chloride	2.86	84	77362	20.67	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	71081	19.36	ug/l	97
22) Diisopropyl ether	3.87	45	240047	19.91	ug/l	98
23) Vinyl Acetate	3.82	43	1017440	102.77	ug/l	99
24) 1,1-Dichloroethane	3.70	63	136671	20.02	ug/l	100
25) 2-Butanone	4.70	43	390447	106.59	ug/l	99
26) 2,2-Dichloropropane	4.59	77	102192	18.83	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	81176	19.66	ug/l	97
28) Bromochloromethane	5.02	49	65246	20.83	ug/l	94
29) Tetrahydrofuran	5.16	42	194306	103.83	ug/l	98
30) Chloroform	5.21	83	132105	19.83	ug/l	97
31) Cyclohexane	5.57	56	114717	19.17	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	112353	20.18	ug/l	99
36) 1,1-Dichloropropene	5.80	75	100456	19.51	ug/l	99
37) Ethyl Acetate	4.85	43	116434	20.77	ug/l	99
38) Carbon Tetrachloride	5.78	117	97070	19.41	ug/l	94

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 Data File : VX004076.D
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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Quant Time: Aug 16 05:51:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	112774	19.31	ug/l	98
40) Benzene	6.15	78	310590	20.09	ug/l	99
41) Methacrylonitrile	5.06	41	62774	19.99	ug/l	99
42) 1,2-Dichloroethane	6.20	62	108655	20.08	ug/l	99
43) Isopropyl Acetate	6.46	43	165472	20.03	ug/l	100
44) Trichloroethene	7.21	130	82003	19.54	ug/l	93
45) 1,2-Dichloropropane	7.52	63	79326	20.05	ug/l	100
46) Dibromomethane	7.67	93	51675	19.98	ug/l	99
47) Bromodichloromethane	7.90	83	95346	19.47	ug/l	99
48) Methyl methacrylate	7.78	41	85660	20.59	ug/l	99
49) 1,4-Dioxane	7.76	88	41018	438.01	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	736923	108.77	ug/l	99
52) Toluene	8.79	92	199061	20.36	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	104374	19.73	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	116965	19.96	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	80385	19.91	ug/l	99
56) Ethyl methacrylate	9.18	69	110115	20.06	ug/l	99
57) 1,3-Dichloropropane	9.37	76	136008	20.31	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	304769	109.03	ug/l	99
59) 2-Hexanone	9.50	43	559975	109.82	ug/l	99
60) Dibromochloromethane	9.59	129	75822	19.52	ug/l	99
61) 1,2-Dibromoethane	9.68	107	83545	20.30	ug/l	98
64) Tetrachloroethene	9.34	164	80572	19.55	ug/l	95
65) Chlorobenzene	10.14	112	220034	19.59	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	75789	19.79	ug/l	99
67) Ethyl Benzene	10.26	91	362922	20.41	ug/l	99
68) m/p-Xylenes	10.36	106	287413	41.27	ug/l	97
69) o-Xylene	10.70	106	134283	20.18	ug/l	94
70) Styrene	10.71	104	228114	20.37	ug/l	98
71) Bromoform	10.86	173	55934	18.42	ug/l	99
73) Isopropylbenzene	11.02	105	364693	21.95	ug/l	96
74) N-amyl acetate	6.46	43	165472	21.18	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	125612	21.65	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	138211	28.07	ug/l	84
77) Bromobenzene	11.26	156	97705	21.33	ug/l	99
78) n-propylbenzene	11.36	91	424423	22.83	ug/l	99
79) 2-Chlorotoluene	11.42	91	252408	22.28	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	304985	22.42	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	32457	20.41	ug/l	95
82) 4-Chlorotoluene	11.51	91	296649	22.15	ug/l	100
83) tert-Butylbenzene	11.77	119	292044	21.29	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	316549	22.47	ug/l	99
85) sec-Butylbenzene	11.94	105	355374	22.14	ug/l	100
86) p-Isopropyltoluene	12.07	119	315590	21.72	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	176402	20.20	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	174061	19.36	ug/l	98
89) n-Butylbenzene	12.39	91	233983	20.43	ug/l	98
90) Hexachloroethane	12.60	117	44541	20.48	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	157295	19.97	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21186	20.78	ug/l	99

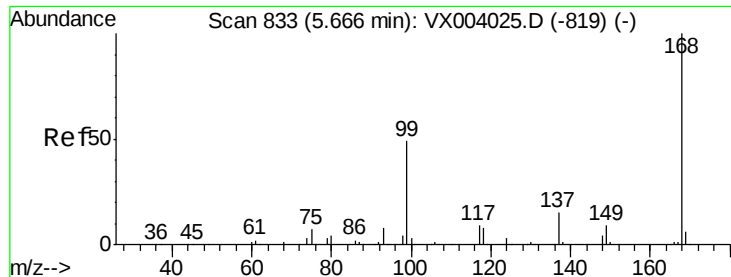
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081518\
Data File : VX004076.D
Acq On : 15 Aug 2018 16:54
Operator : JC/MD
Sample : VX0815WBSD01
Misc : 5.0mL/MSVOA X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Quant Time: Aug 16 05:51:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	109335	20.30	ug/l	97
94) Hexachlorobutadiene	13.79	225	57470	21.29	ug/l	97
95) Naphthalene	13.83	128	373845	22.42	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	126133	21.48	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

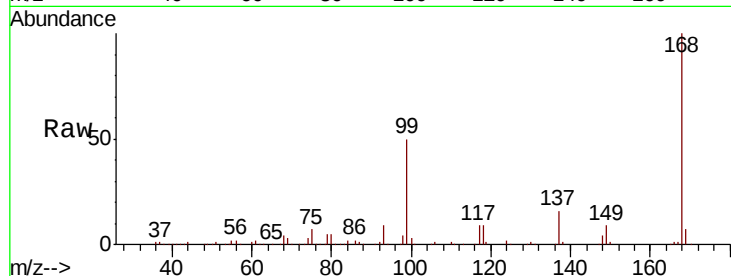
VX0815WBSD01

Tot Ion:168 Resp: 307318

Ion Ratio Lower Upper

168 100

99 49.7 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

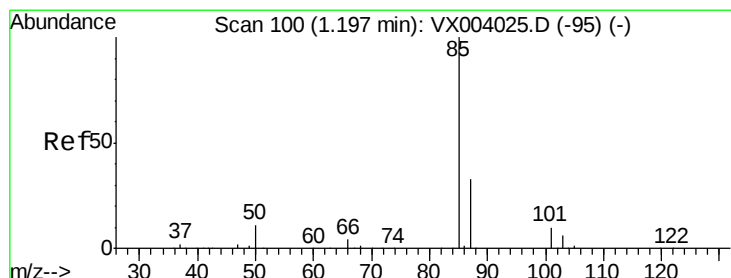
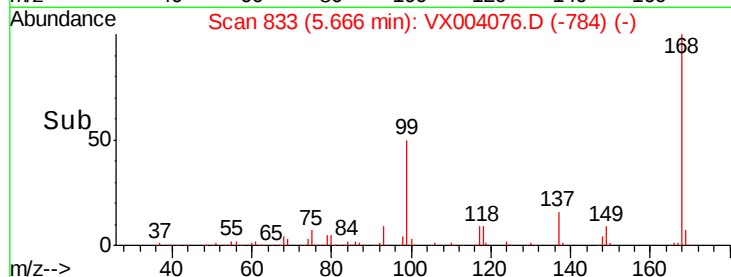
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.61 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004076.D

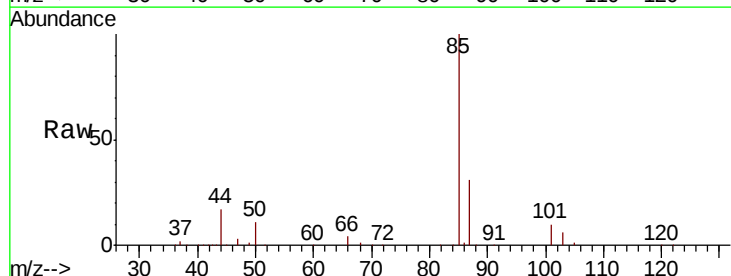
Acq: 15 Aug 2018 16:54

Tgt Ion: 85 Resp: 61647

Ion Ratio Lower Upper

85 100

87 31.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

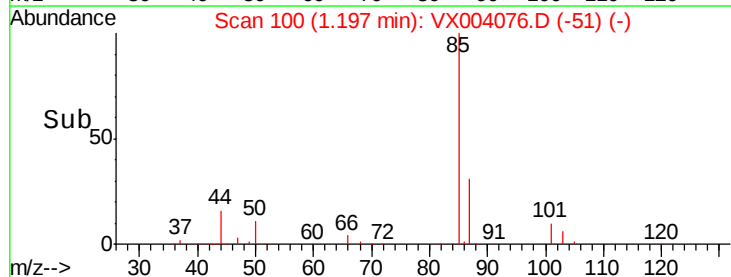
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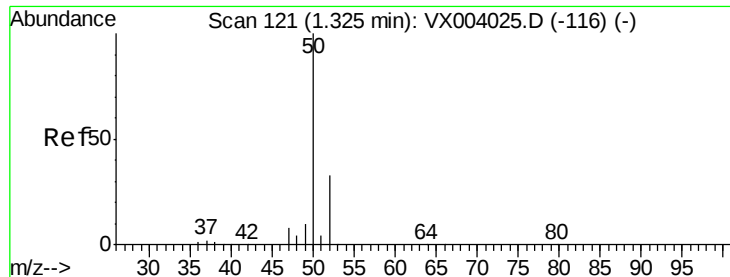
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.96 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

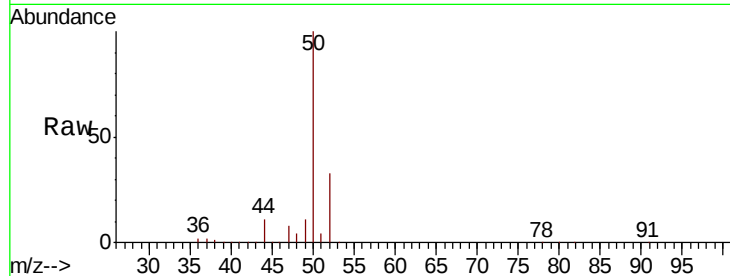
VX0815WBSD01

Tot Ion: 50 Resp: 73266

Ion Ratio Lower Upper

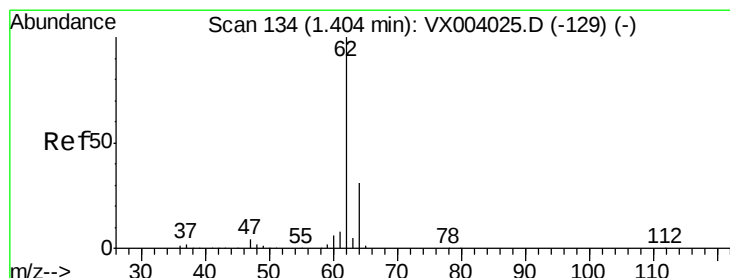
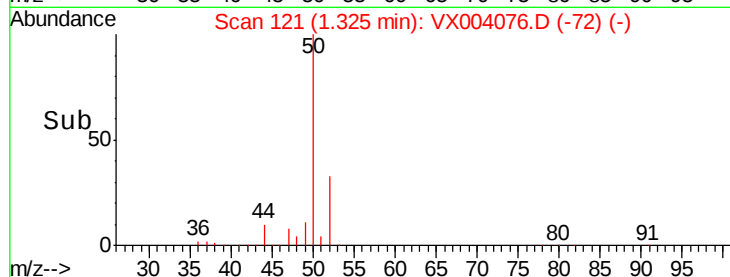
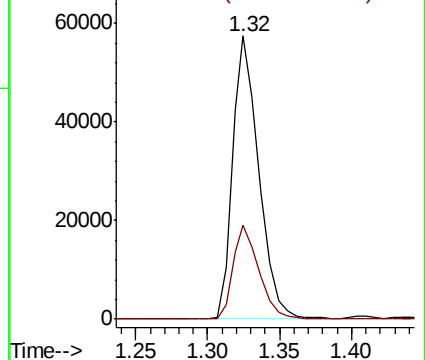
50 100

52 33.2 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.19 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004076.D

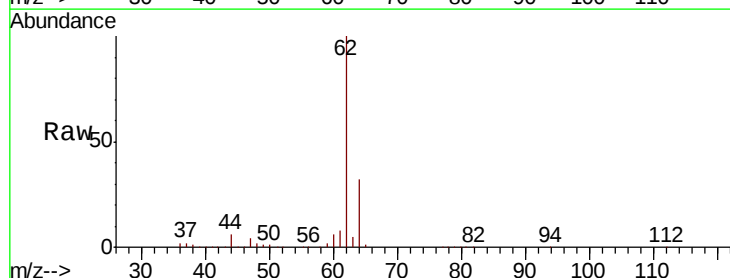
Acq: 15 Aug 2018 16:54

Tgt Ion: 62 Resp: 80198

Ion Ratio Lower Upper

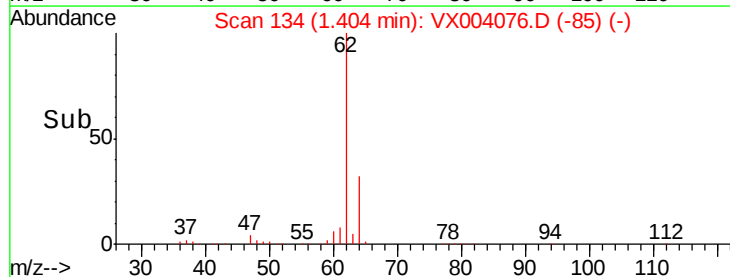
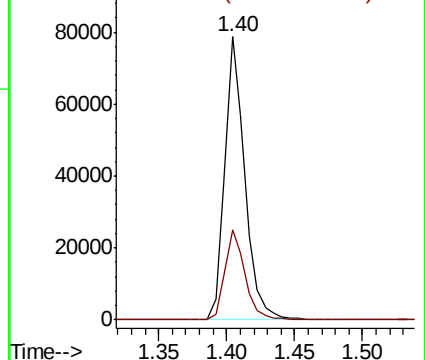
62 100

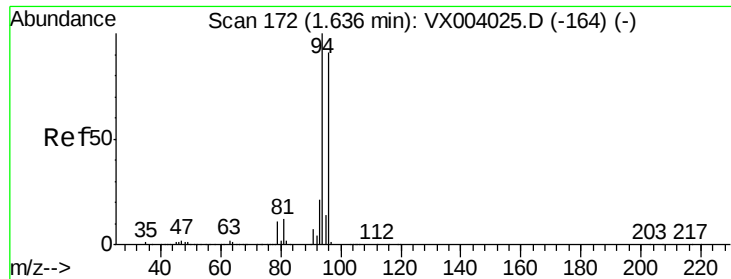
64 31.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.69 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

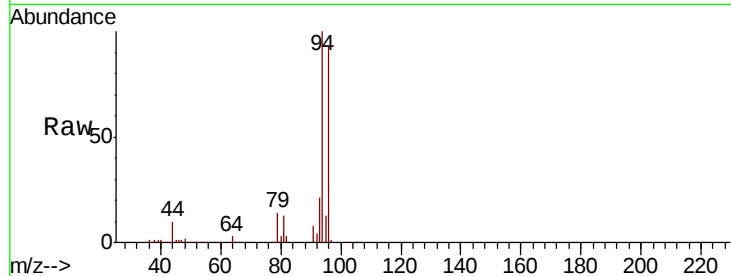
VX0815WBSD01

Tot Ion: 94 Resp: 45873

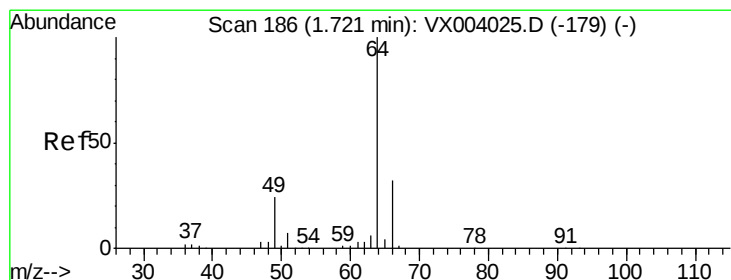
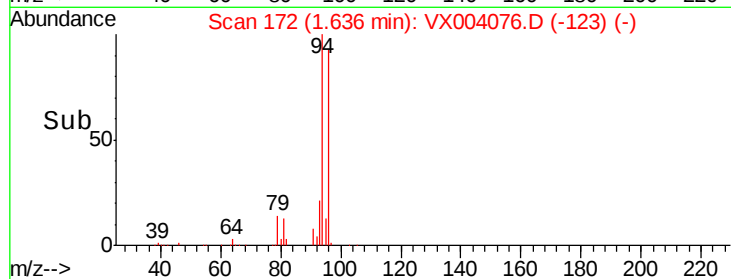
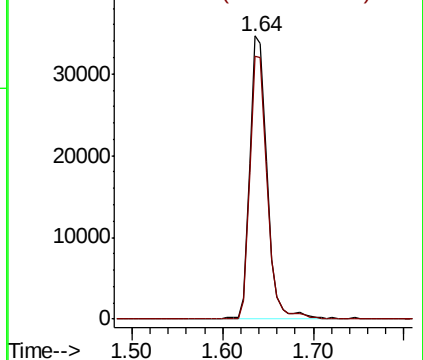
Ion Ratio Lower Upper

94 100

96 92.9 75.2 112.8



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



#6

Chloroethane

Concen: 20.85 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX004076.D

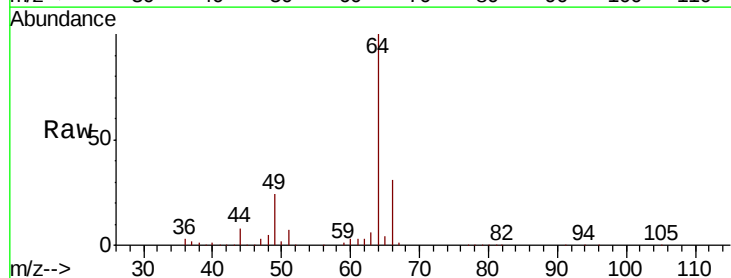
Acq: 15 Aug 2018 16:54

Tgt Ion: 64 Resp: 57181

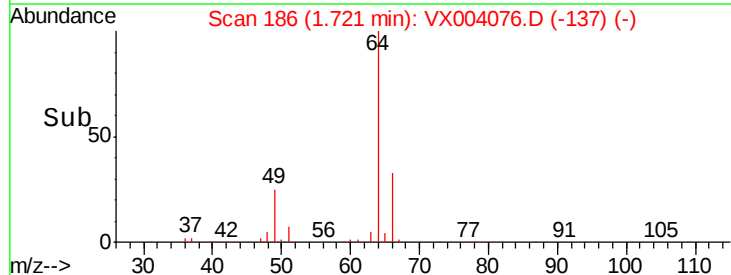
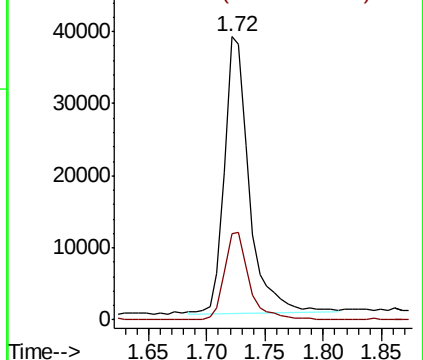
Ion Ratio Lower Upper

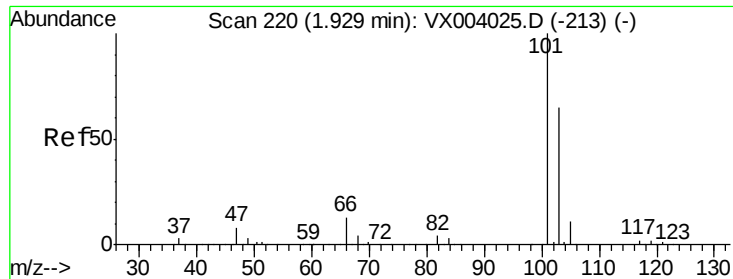
64 100

66 31.2 26.5 39.7



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



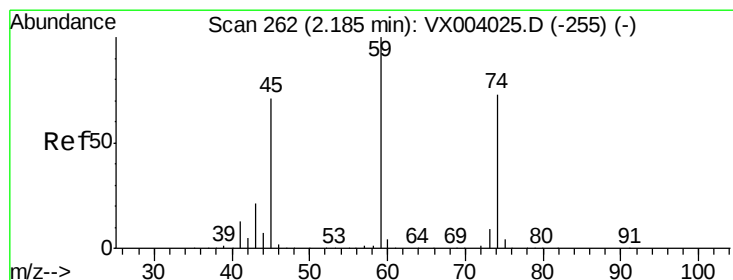
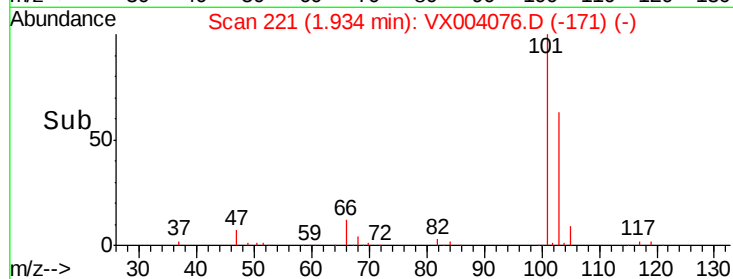
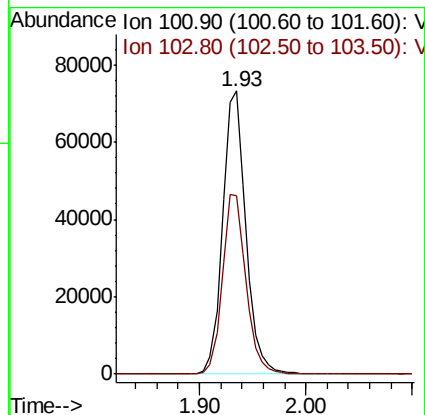
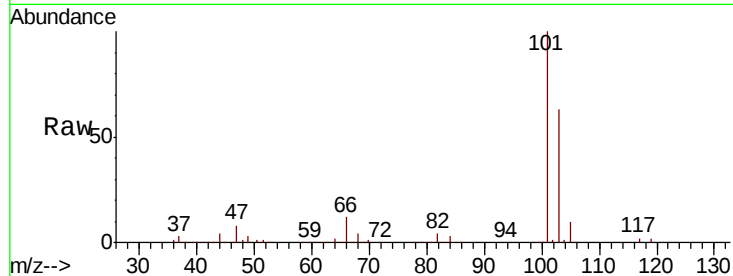


#7

Trichlorofluoromethane
 Concen: 19.96 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

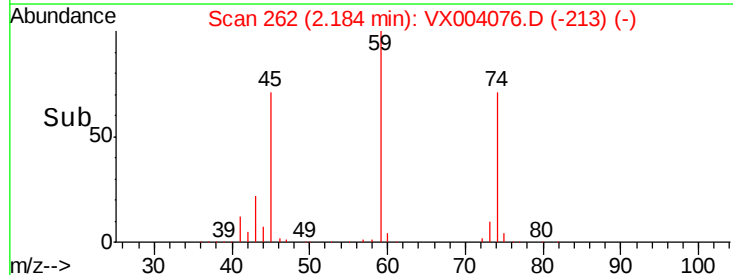
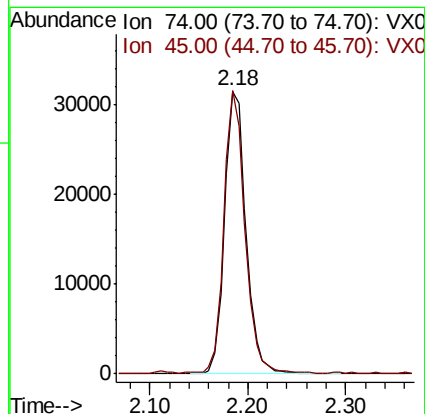
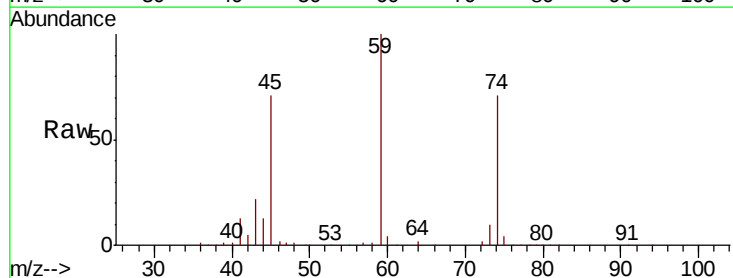
Tot Ion:101 Resp: 111190
 Ion Ratio Lower Upper
 101 100
 103 62.8 52.3 78.5

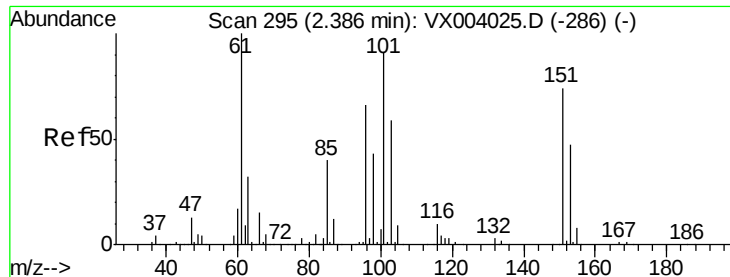


#8

Diethyl Ether
 Concen: 19.64 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion: 74 Resp: 47786
 Ion Ratio Lower Upper
 74 100
 45 97.4 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.66 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

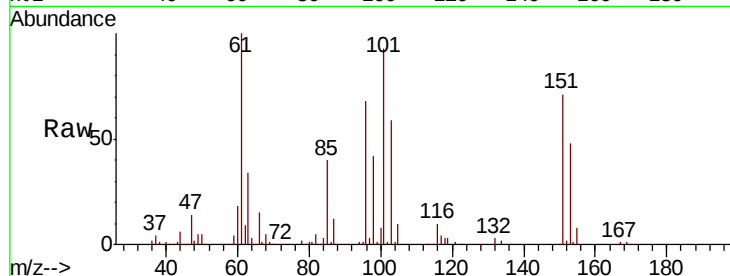
Tot Ion:101 Resp: 68332

Ion Ratio Lower Upper

101 100

85 43.3 34.2 51.4

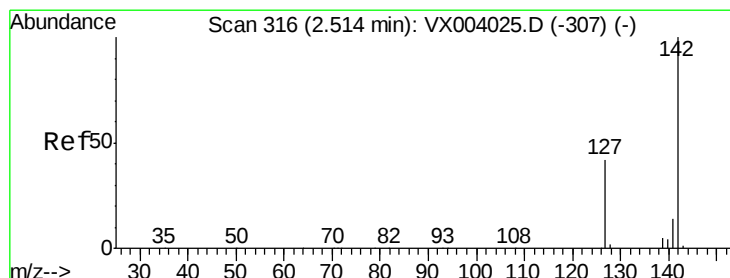
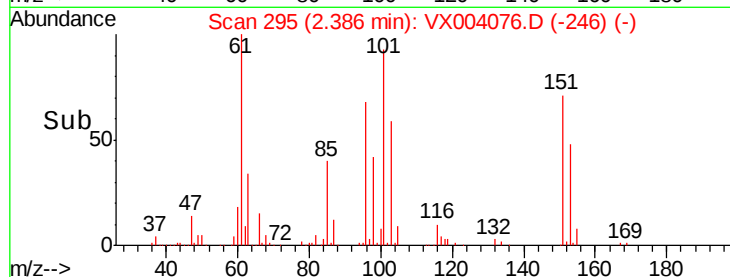
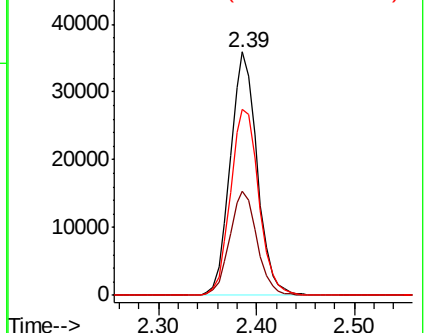
151 80.8 65.0 97.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.49 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

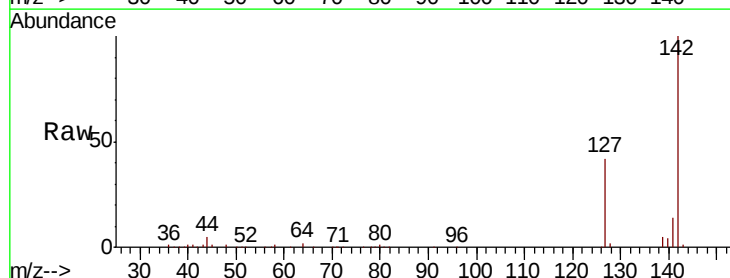
Tgt Ion:142 Resp: 67980

Ion Ratio Lower Upper

142 100

127 42.3 33.1 49.7

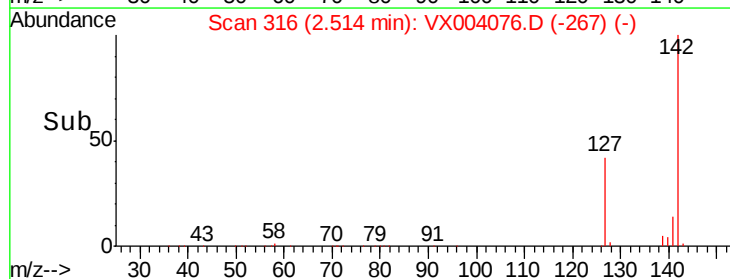
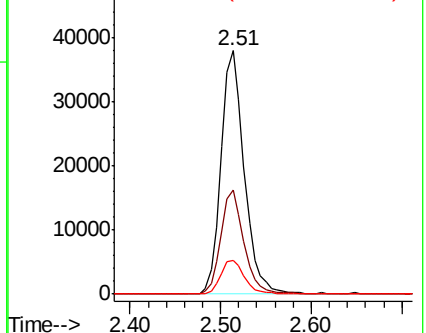
141 14.2 11.1 16.7

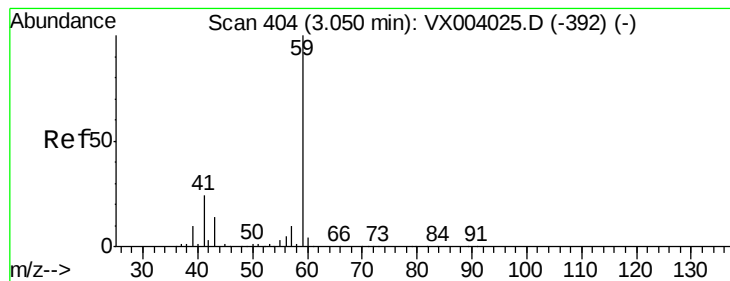


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



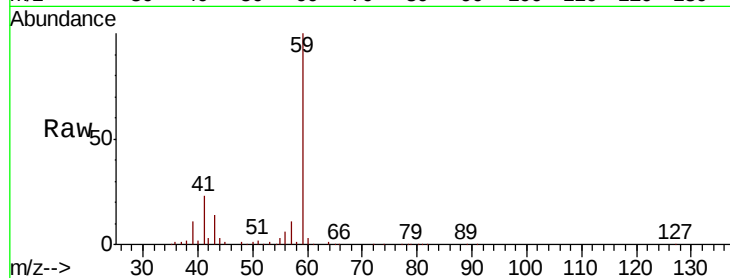


#11

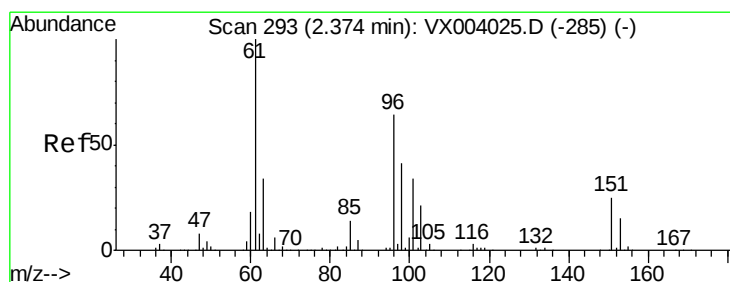
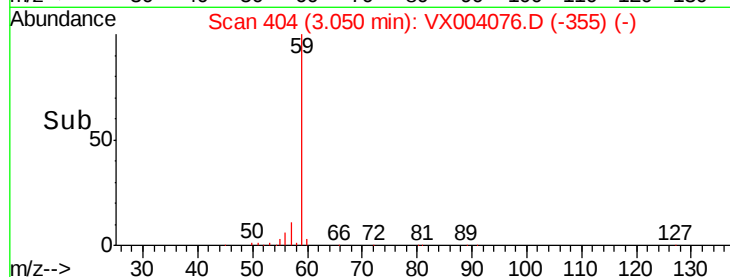
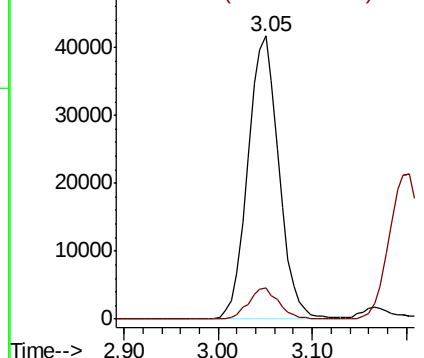
Tert butyl alcohol
 Concen: 109.59 ug/l
 RT: 3.05 min Scan# 404
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Tot Ion: 59 Resp: 95553
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.1 12.1



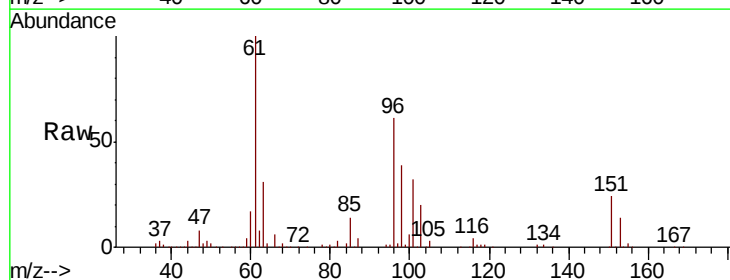
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



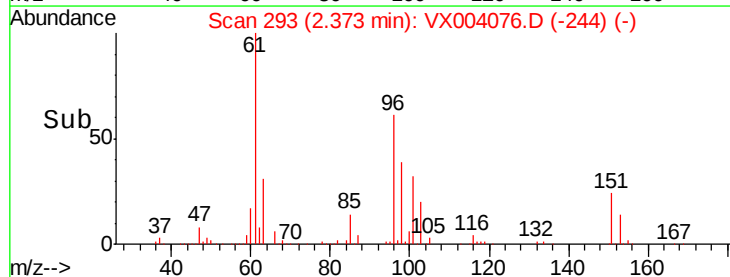
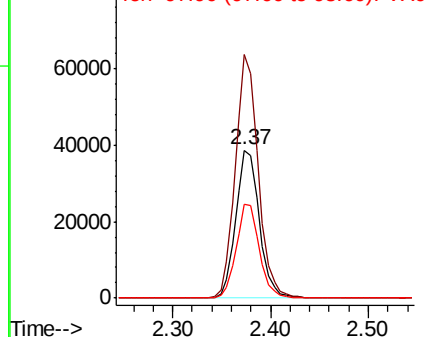
#12

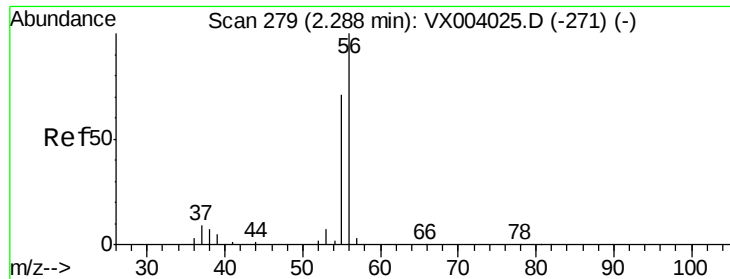
1,1-Dichloroethene
 Concen: 19.88 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion: 96 Resp: 64272
 Ion Ratio Lower Upper
 96 100
 61 164.9 131.3 196.9
 98 63.8 51.8 77.6



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





#13

Acrolein

Concen: 99.81 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

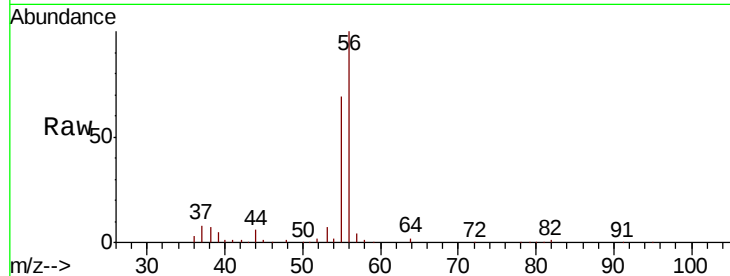
VX0815WBSD01

Tot Ion: 56 Resp: 54979

Ion Ratio Lower Upper

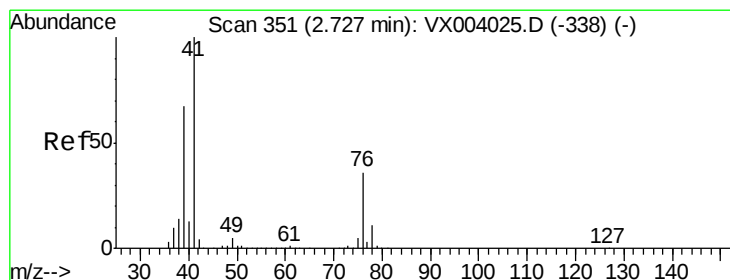
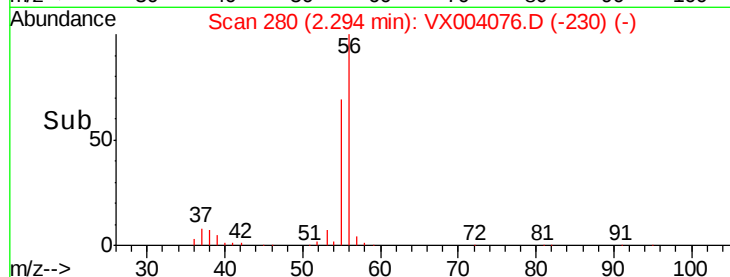
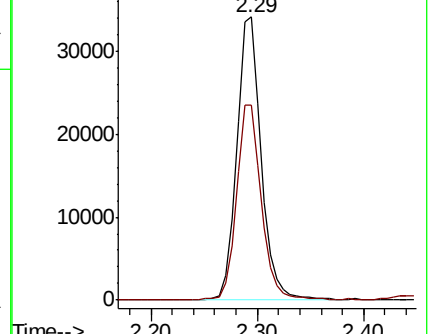
56 100

55 70.1 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.87 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

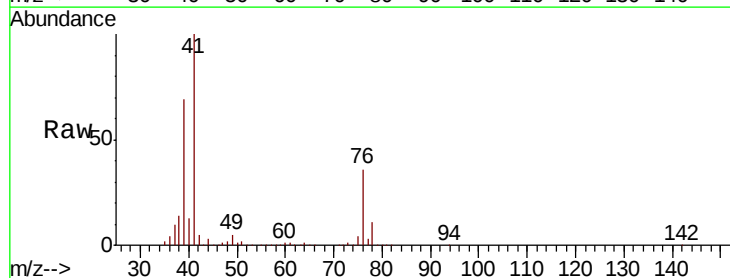
Tgt Ion: 41 Resp: 122237

Ion Ratio Lower Upper

41 100

39 62.2 47.4 71.0

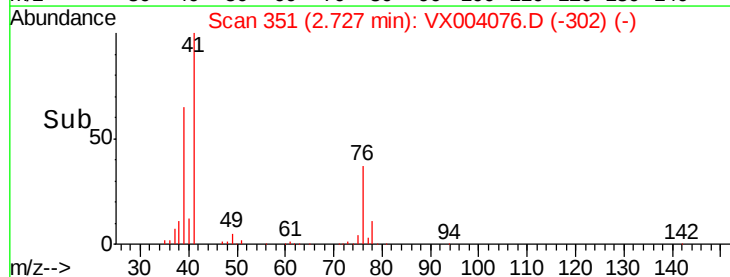
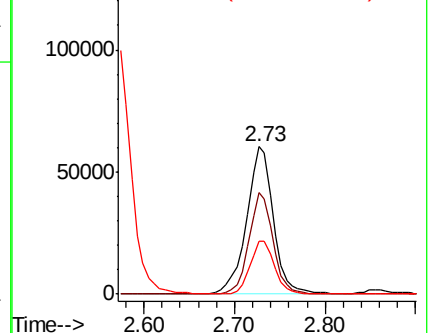
76 32.8 26.0 39.0

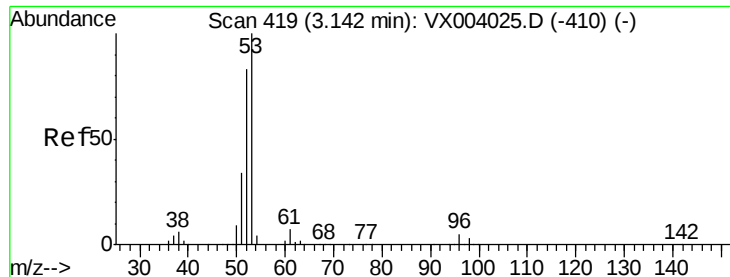


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 104.79 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

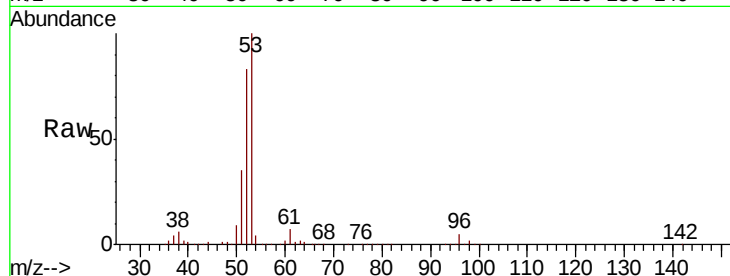
Tot Ion: 53 Resp: 227820

Ion Ratio Lower Upper

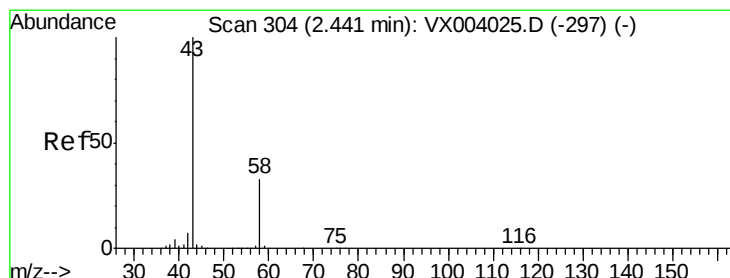
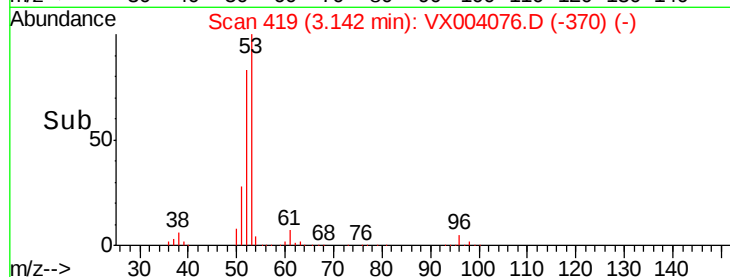
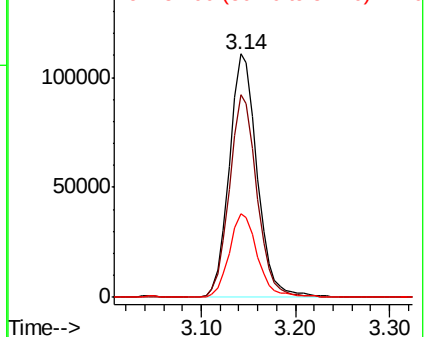
53 100

52 82.3 65.3 97.9

51 34.9 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 106.09 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004076.D

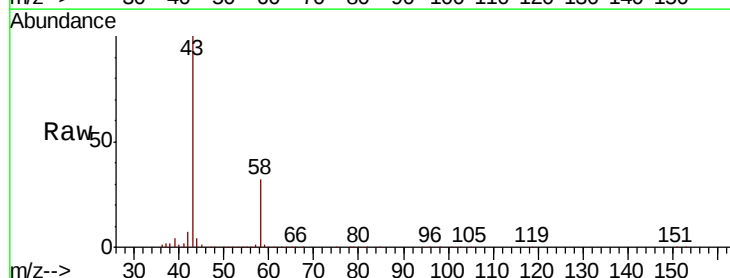
Acq: 15 Aug 2018 16:54

Tgt Ion: 43 Resp: 238844

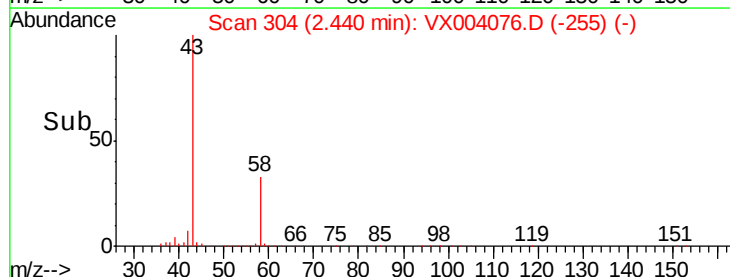
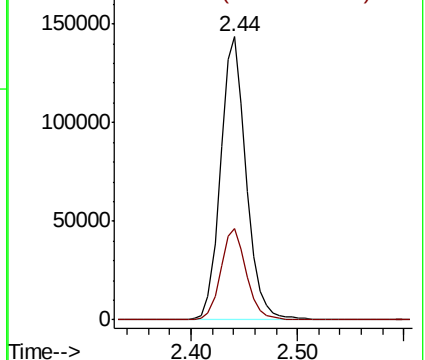
Ion Ratio Lower Upper

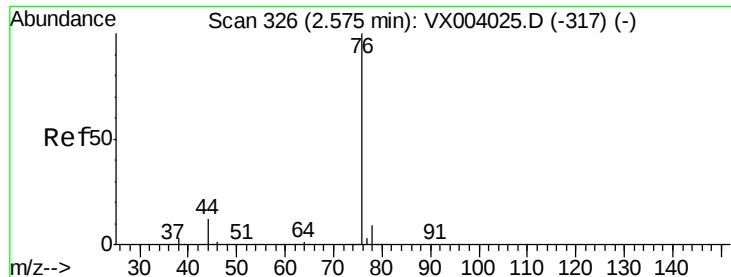
43 100

58 32.5 26.4 39.6



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

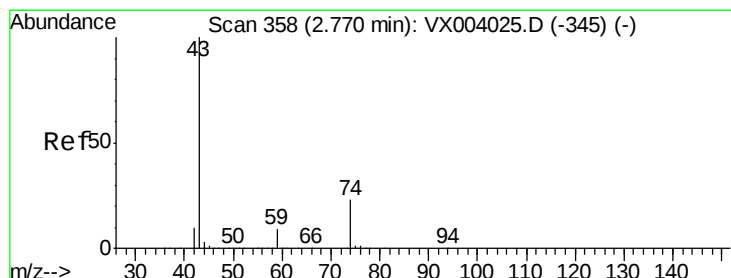
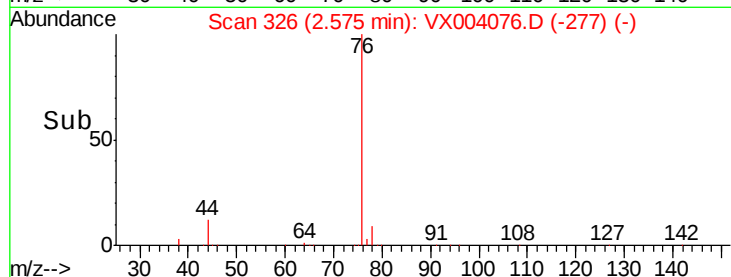
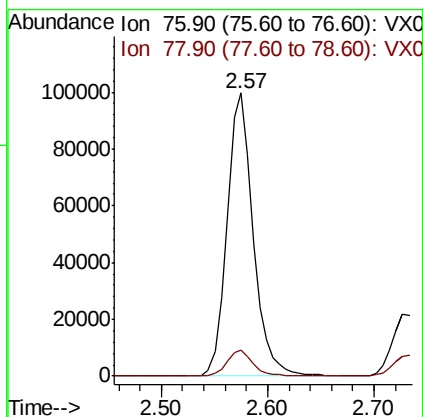
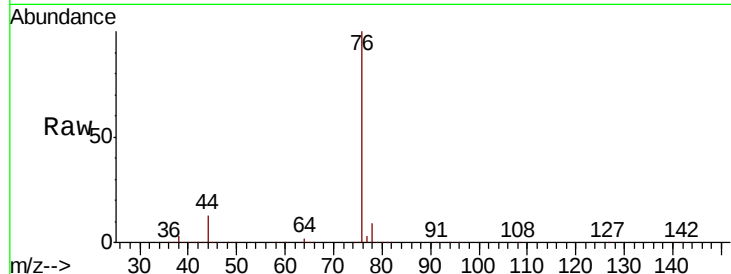




#17
Carbon Disulfide
Concen: 18.74 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

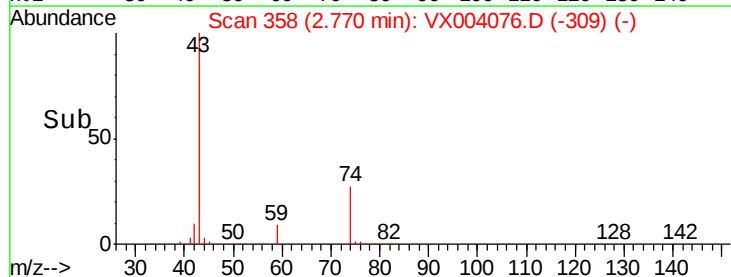
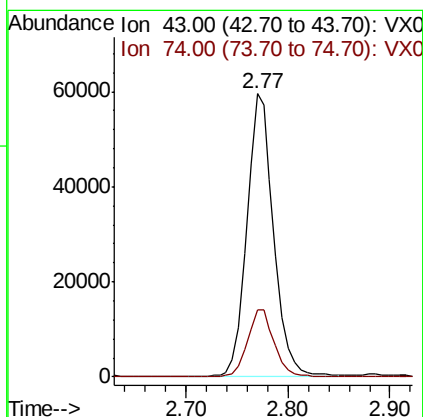
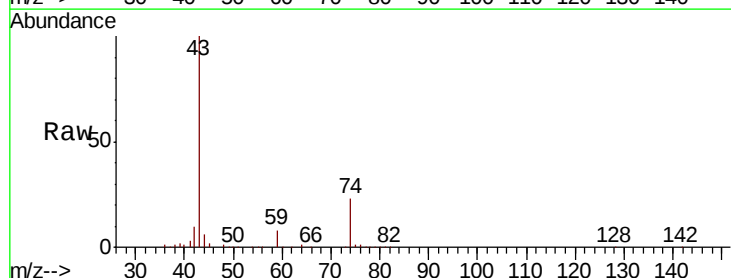
Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

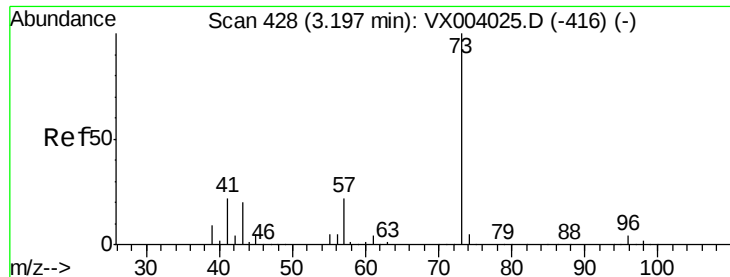
Tot Ion: 76 Resp: 171832
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 21.57 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion: 43 Resp: 107899
Ion Ratio Lower Upper
43 100
74 24.1 18.9 28.3



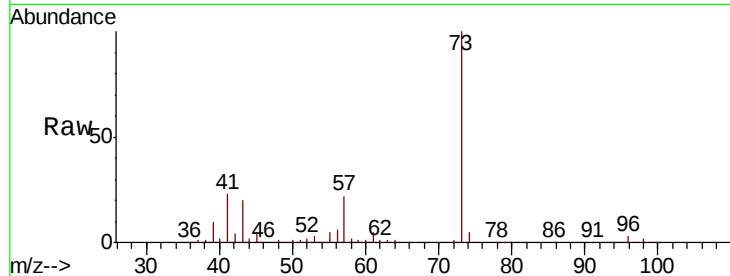


#19

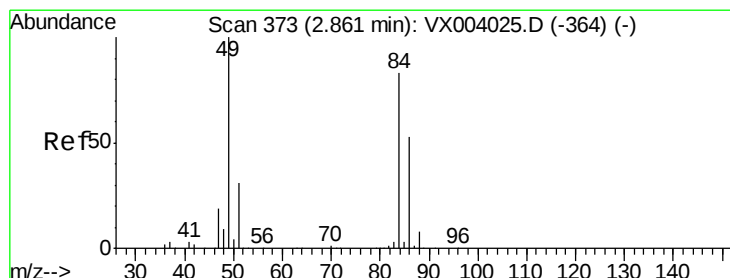
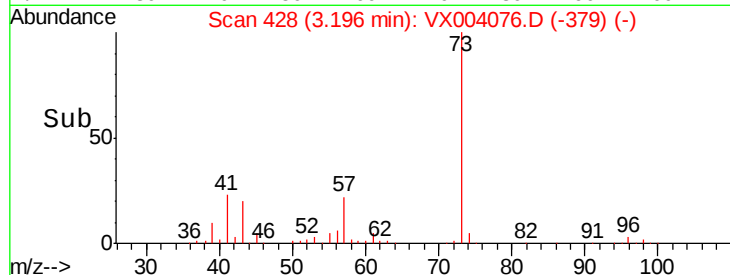
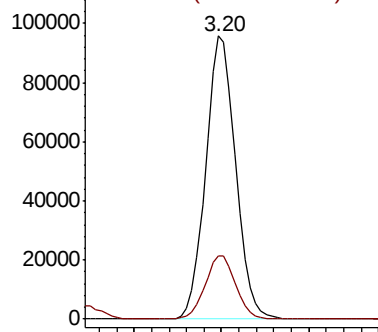
Methyl tert-butyl Ether
 Concen: 19.96 ug/l
 RT: 3.20 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0815WBSD01

Tot Ion: 73 Resp: 227359
 Ion Ratio Lower Upper
 73 100
 57 22.2 18.0 27.0



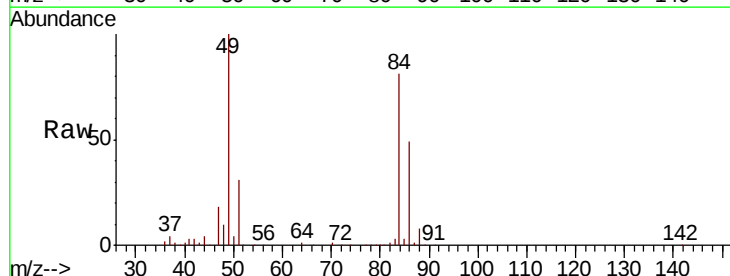
Abundance Ion 73.00 (72.70 to 73.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



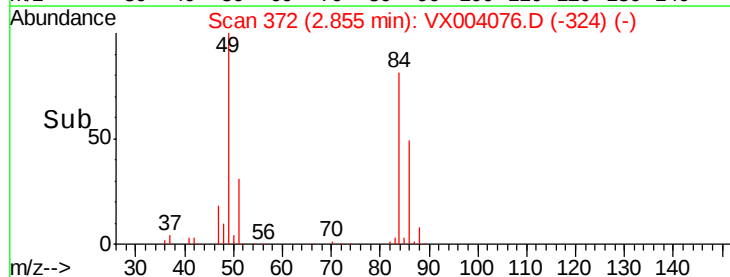
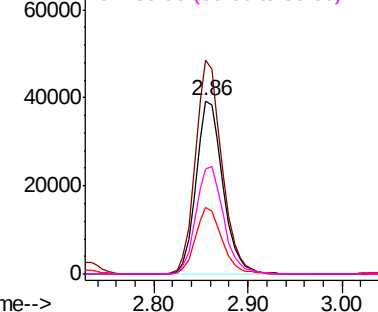
#20

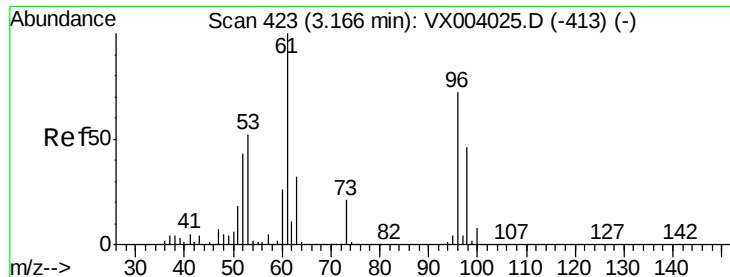
Methylene Chloride
 Concen: 20.67 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion: 84 Resp: 77362
 Ion Ratio Lower Upper
 84 100
 49 123.2 98.9 148.3
 51 38.6 29.9 44.9
 86 60.2 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VX0
 Ion 48.90 (48.60 to 49.60): VX0
 Ion 50.90 (50.60 to 51.60): VX0
 Ion 85.90 (85.60 to 86.60): VX0

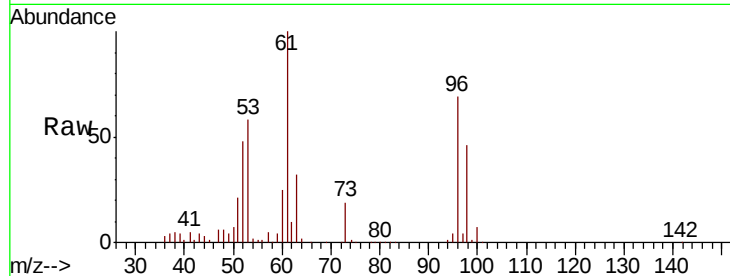




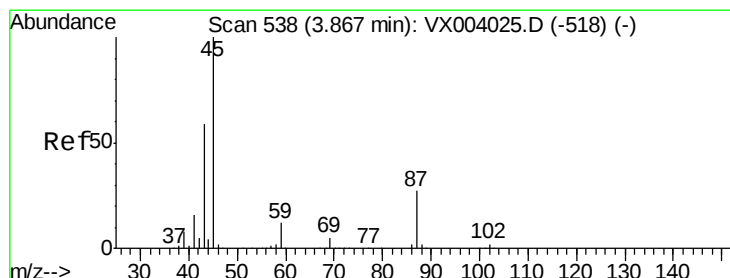
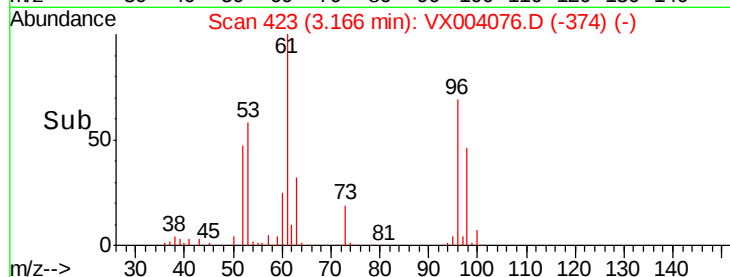
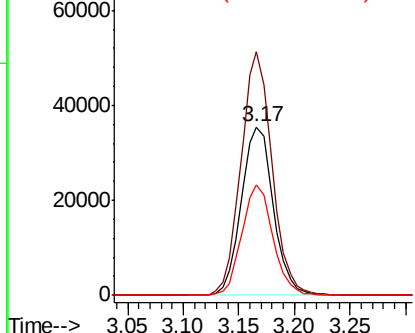
#21
trans-1,2-Dichloroethene
Concen: 19.36 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion: 96 Resp: 71081
Ion Ratio Lower Upper
96 100
61 144.5 111.8 167.6
98 65.8 51.8 77.6

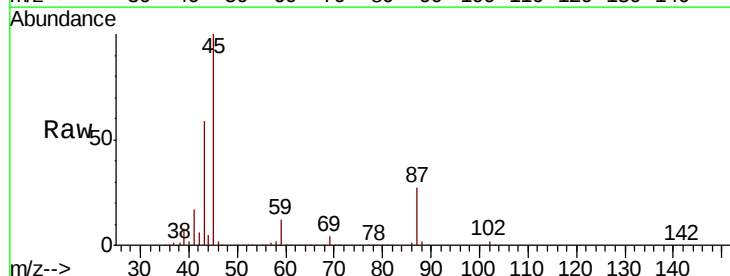


Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

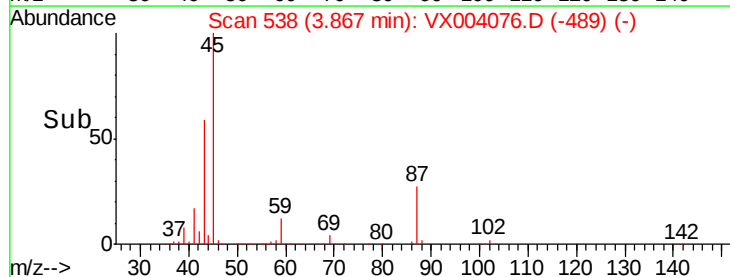
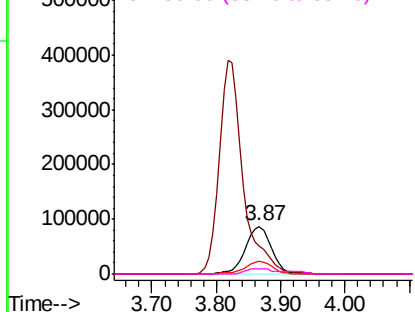


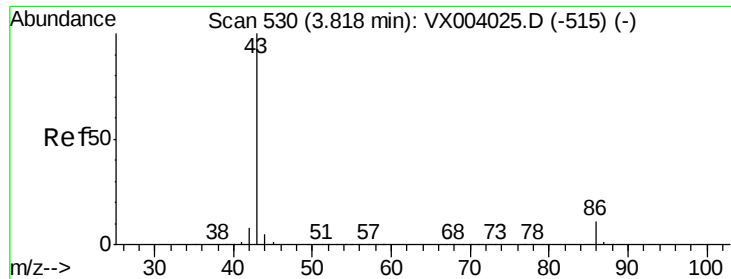
#22
Diisopropyl ether
Concen: 19.91 ug/l
RT: 3.87 min Scan# 538
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion: 45 Resp: 240047
Ion Ratio Lower Upper
45 100
43 58.5 45.3 67.9
87 27.0 22.7 34.1
59 11.8 9.6 14.4



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: 102.77 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

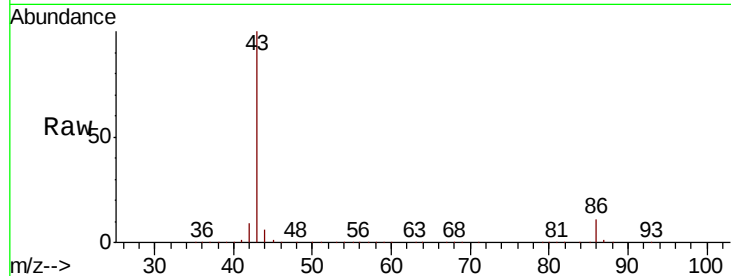
VX0815WBSD01

Tot Ion: 43 Resp: 1017440

Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

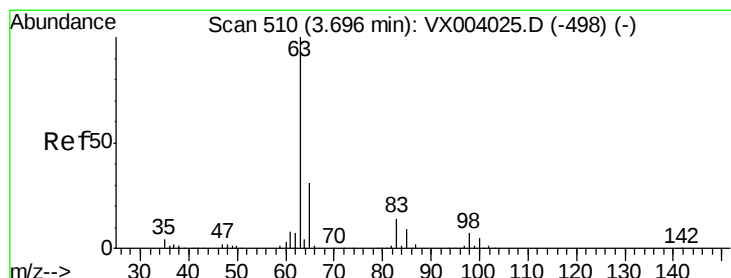
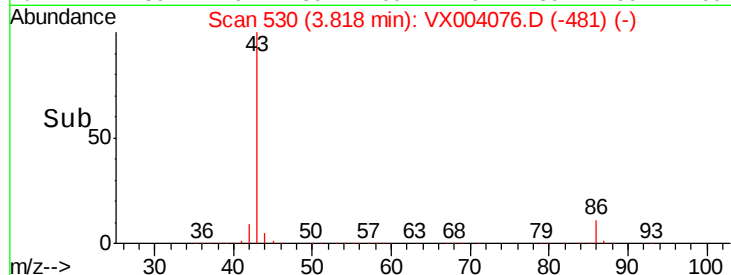
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.02 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

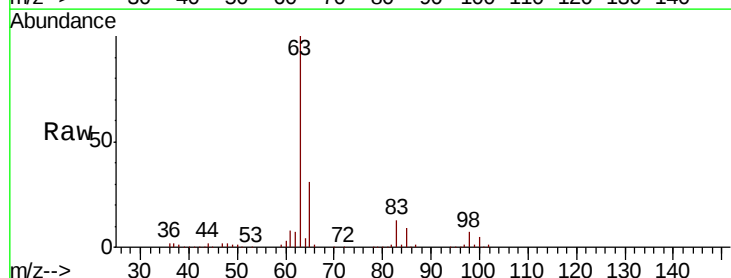
Tgt Ion: 63 Resp: 136671

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.5 2.3 6.8



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

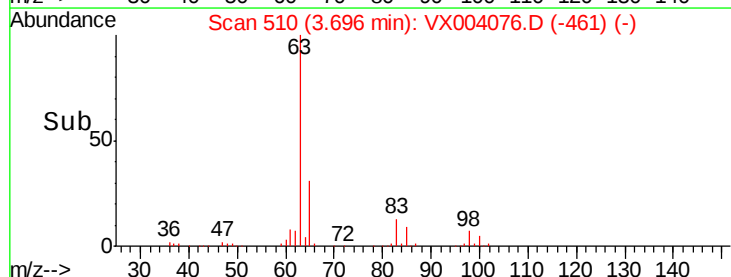
60000

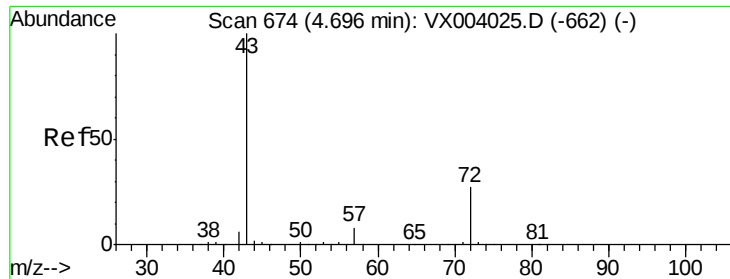
40000

20000

0

Time-->





#25

2-Butanone

Concen: 106.59 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

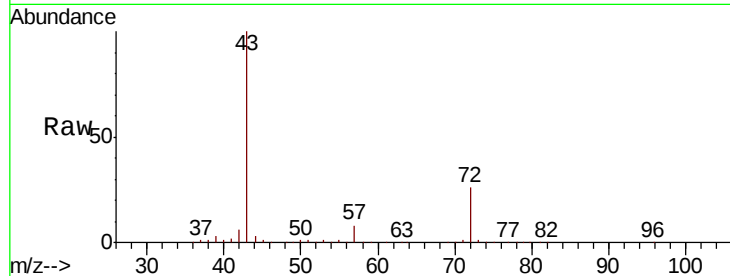
VX0815WBSD01

Tot Ion: 43 Resp: 390447

Ion Ratio Lower Upper

43 100

72 26.2 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

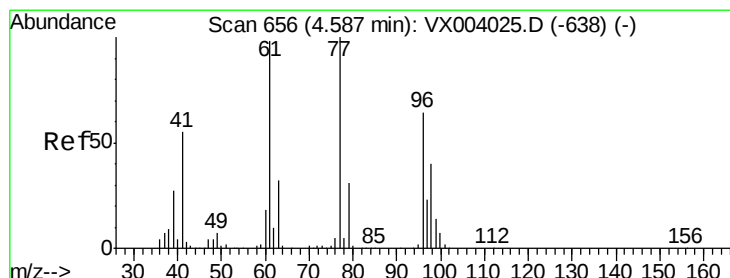
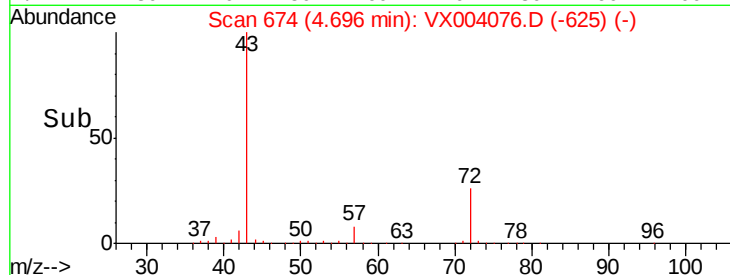
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 18.83 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004076.D

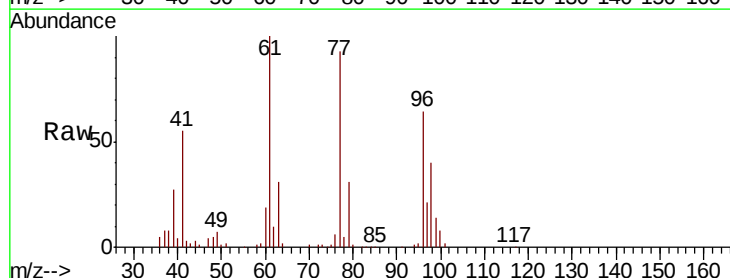
Acq: 15 Aug 2018 16:54

Tgt Ion: 77 Resp: 102192

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

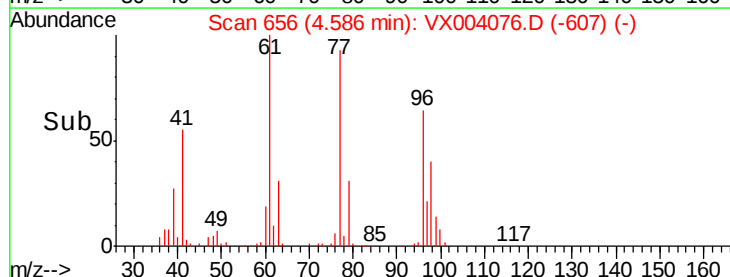
20000

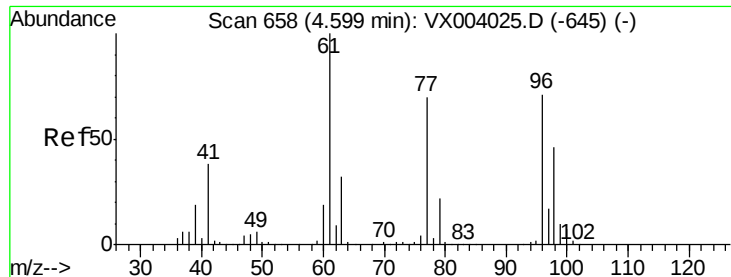
10000

0

4.40 4.50 4.60 4.70

Time-->



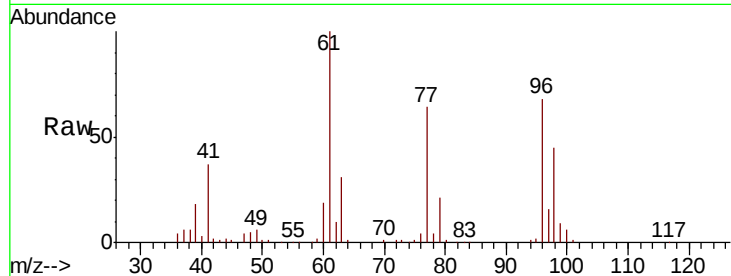


#27

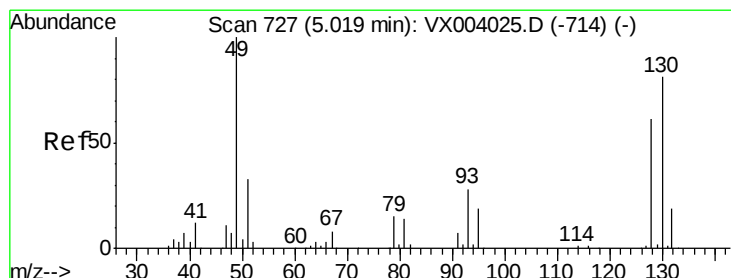
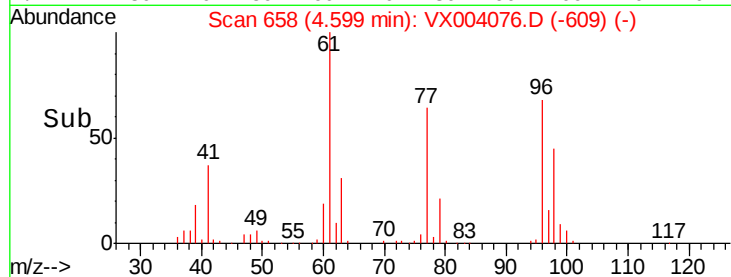
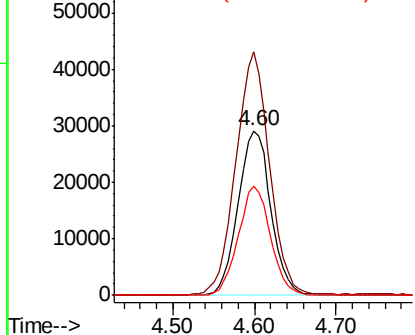
cis-1,2-Dichloroethene
 Concen: 19.66 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Tot Ion: 96 Resp: 81176
 Ion Ratio Lower Upper
 96 100
 61 152.3 0.0 293.0
 98 65.1 0.0 131.8



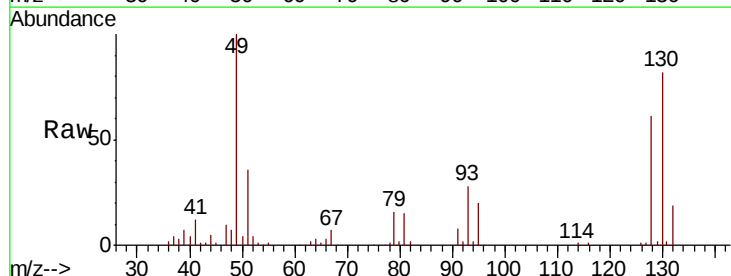
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



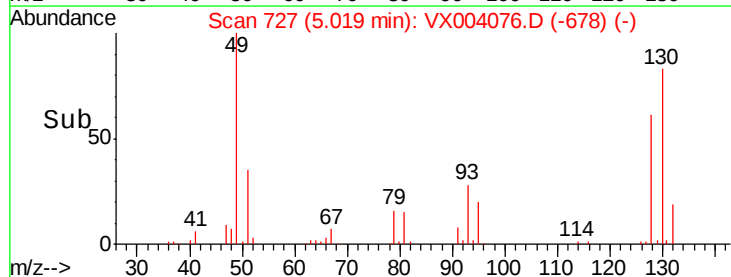
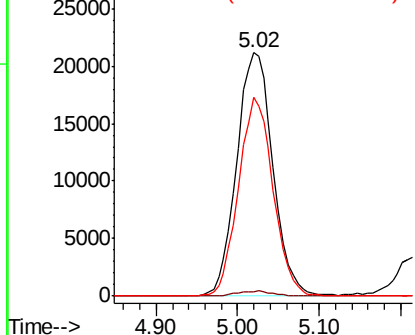
#28

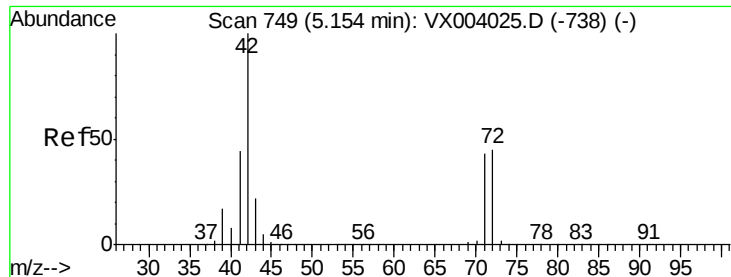
Bromochloromethane
 Concen: 20.83 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion: 49 Resp: 65246
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.2
 130 77.9 66.5 99.7



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





#29

Tetrahydrofuran

Concen: 103.83 ug/l

RT: 5.16 min Scan# 750

Delta R.T. 0.01 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

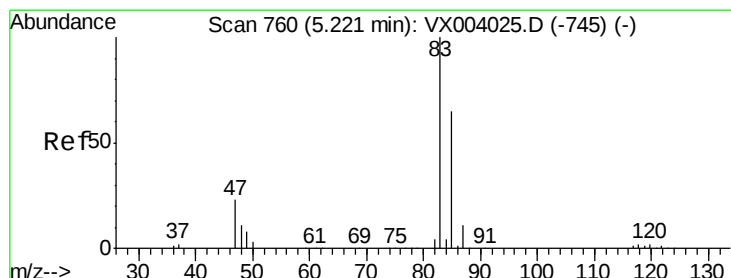
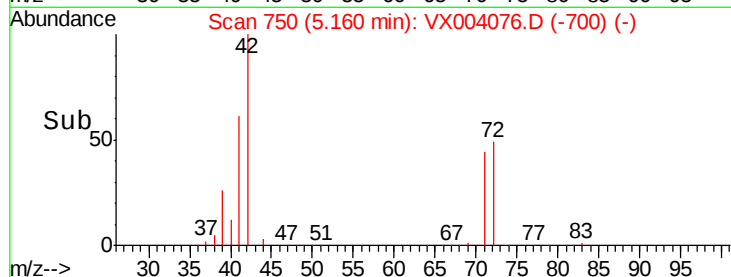
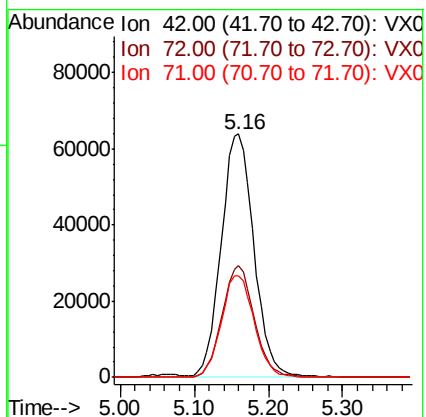
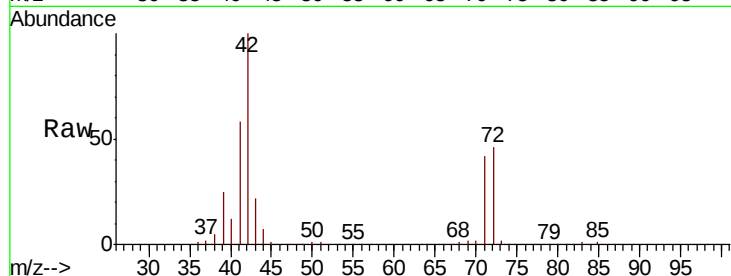
Tot Ion: 42 Resp: 194306

Ion Ratio Lower Upper

42 100

72 45.6 37.7 56.5

71 42.5 35.0 52.6



#30

Chloroform

Concen: 19.83 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX004076.D

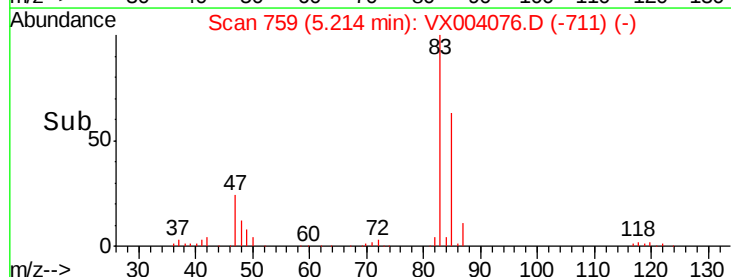
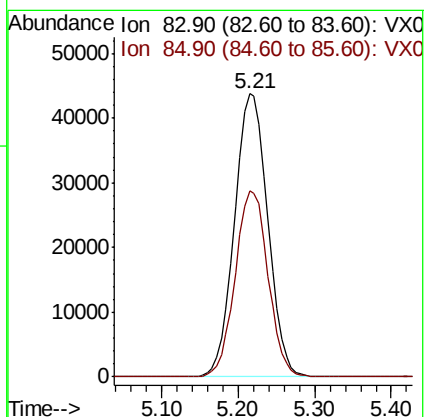
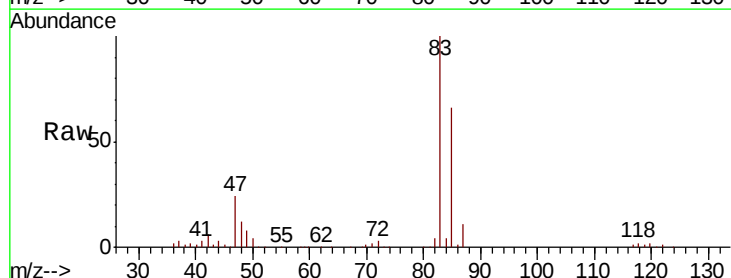
Acq: 15 Aug 2018 16:54

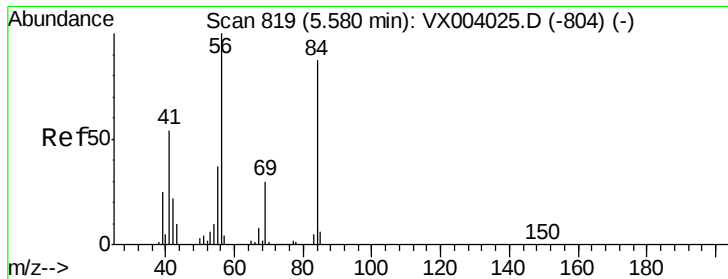
Tgt Ion: 83 Resp: 132105

Ion Ratio Lower Upper

83 100

85 65.8 50.7 76.1





#31

Cyclohexane

Concen: 19.17 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampled :

VX0815WBSD01

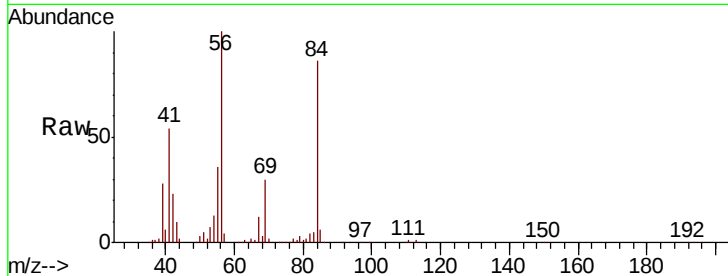
Tot Ion: 56 Resp: 114717

Ion Ratio Lower Upper

56 100

69 30.0 24.9 37.3

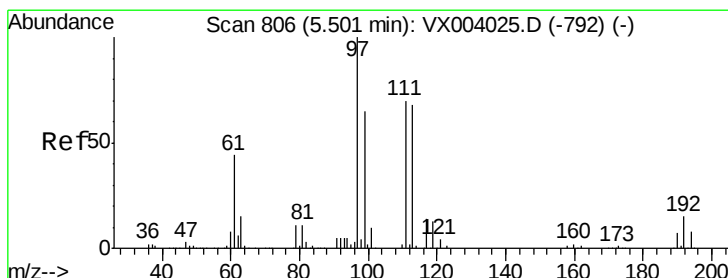
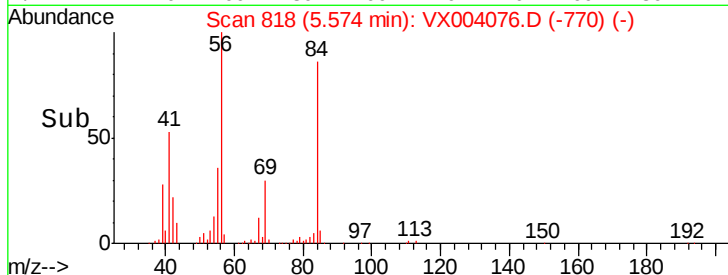
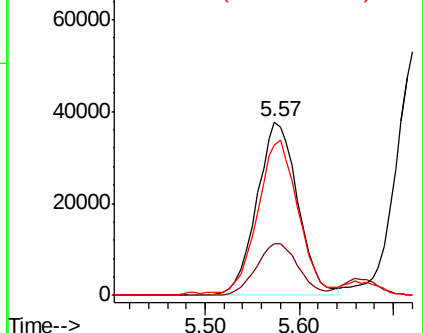
84 85.0 71.7 107.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.18 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

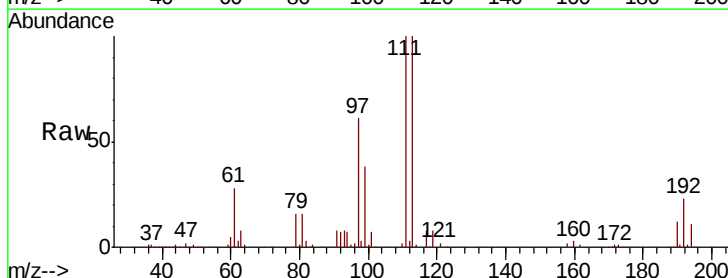
Tgt Ion: 97 Resp: 112353

Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.8

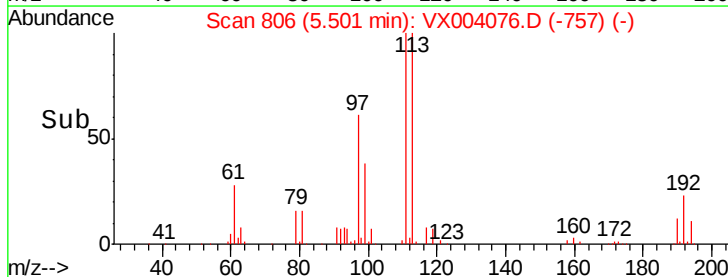
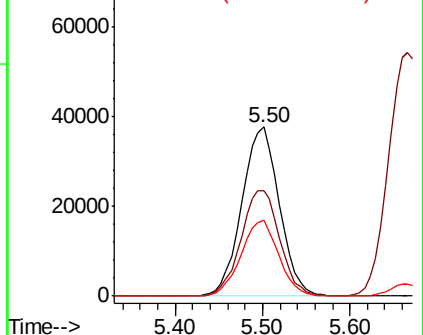
61 45.1 34.4 51.6

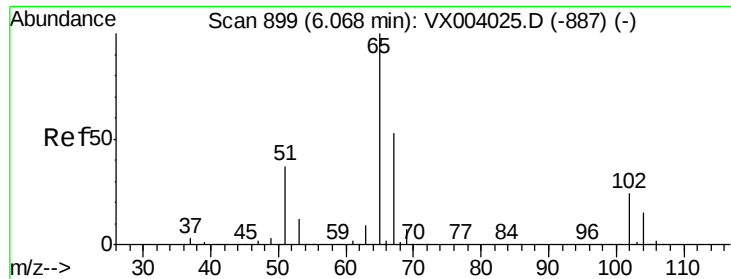


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

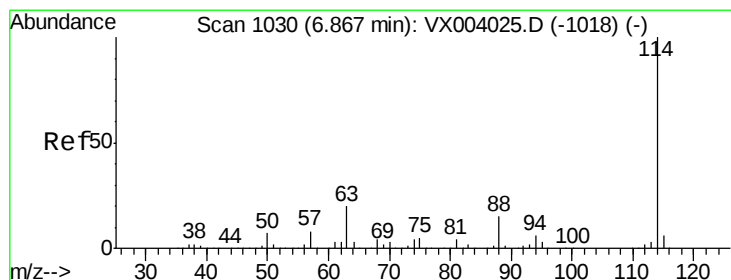
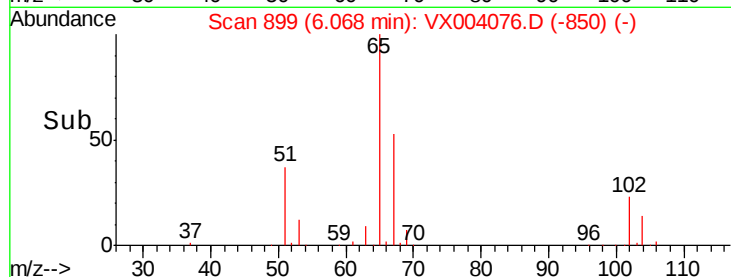
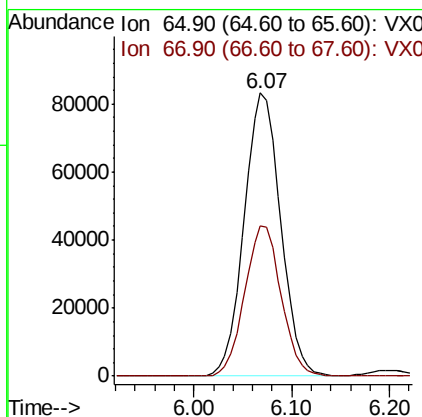
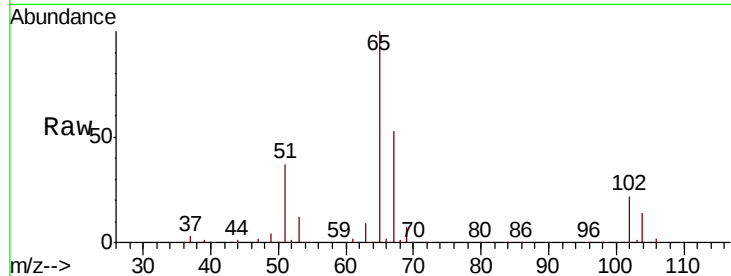




#33
 1,2-Dichloroethane-d4
 Concen: 49.79 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

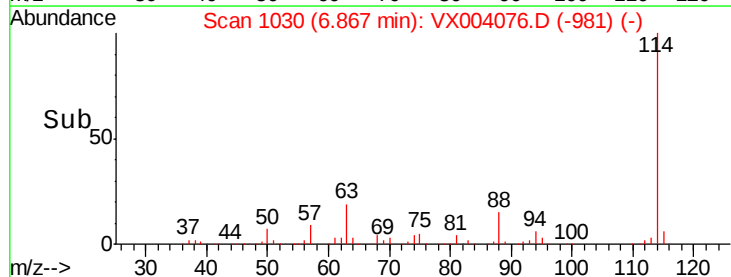
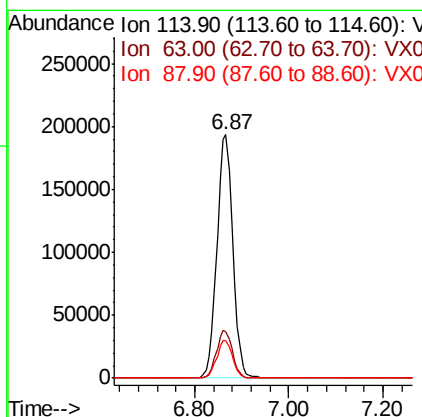
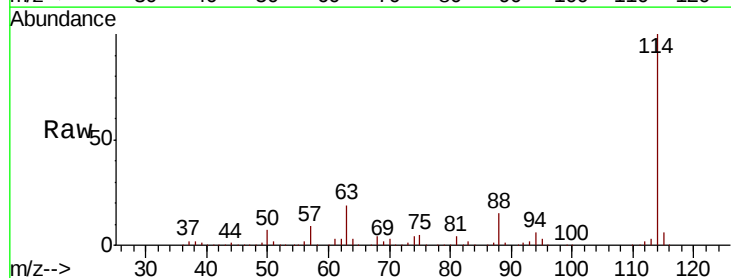
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

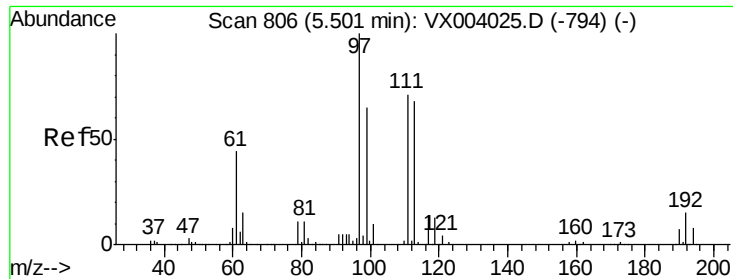
Tot Ion: 65 Resp: 215579
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion: 114 Resp: 452373
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.3 0.0 32.0

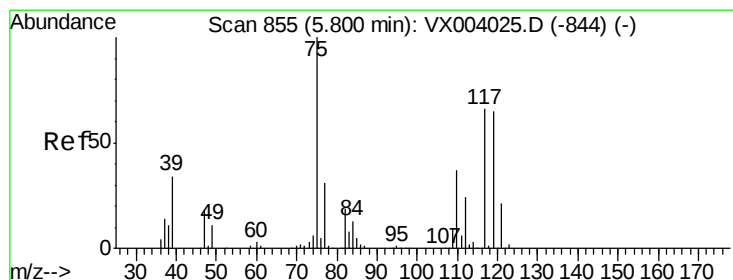
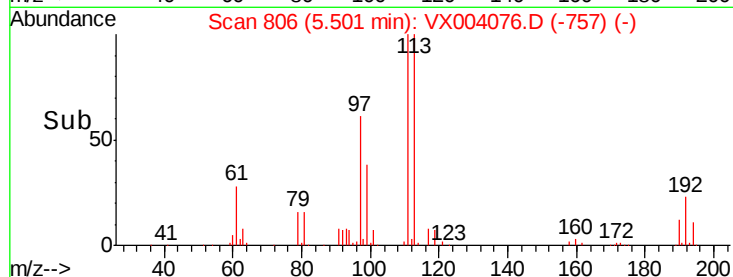
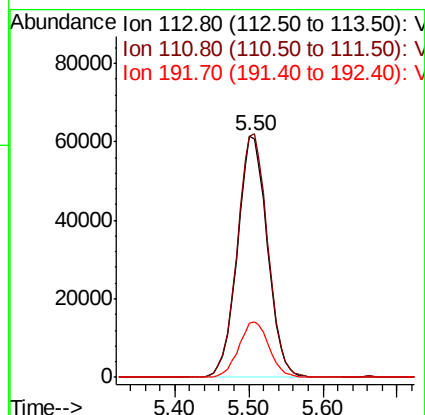
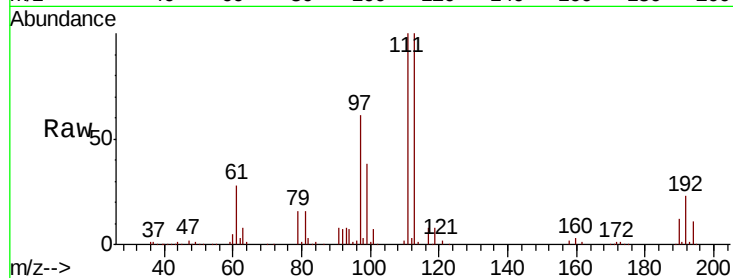




#35
 Dibromofluoromethane
 Concen: 51.06 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

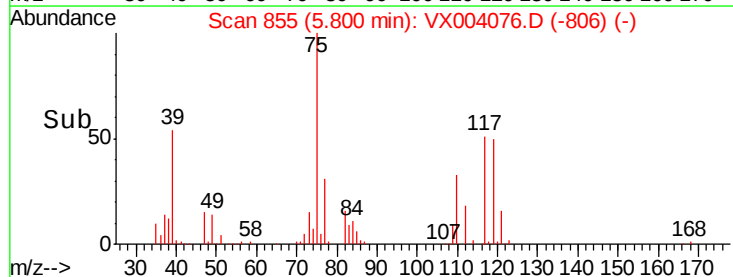
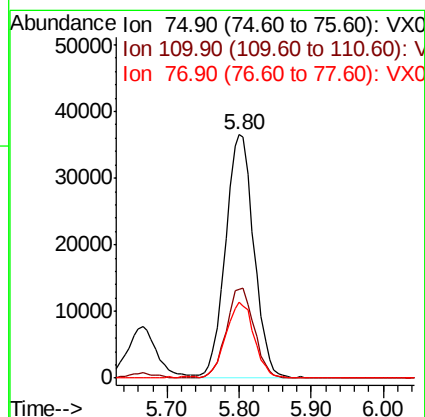
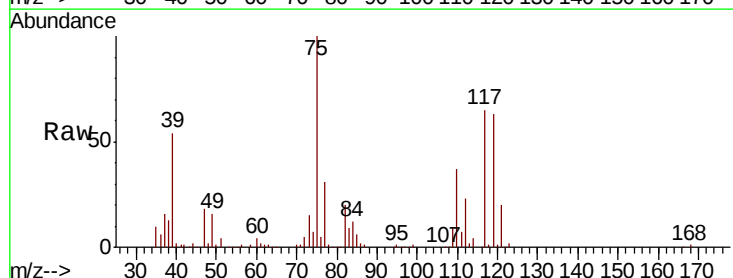
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

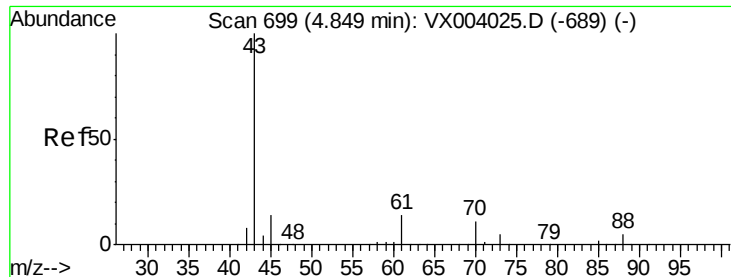
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	23.3	19.0	28.4



#36
 1,1-Dichloropropene
 Concen: 19.51 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.2	54.6
77	30.8	25.0	37.4





#37

Ethyl Acetate

Concen: 20.77 ug/l

RT: 4.85 min Scan# 700

Delta R.T. 0.01 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampled :

VX0815WBSD01

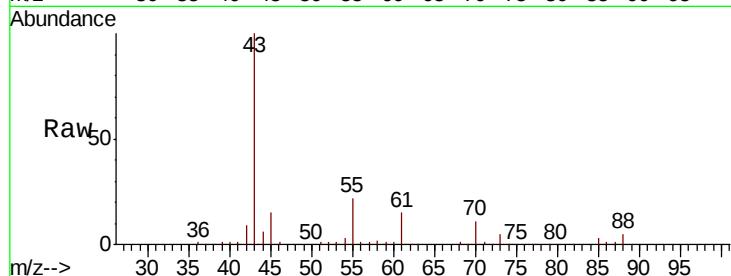
Tot Ion: 43 Resp: 116434

Ion Ratio Lower Upper

43 100

61 13.7 11.5 17.3

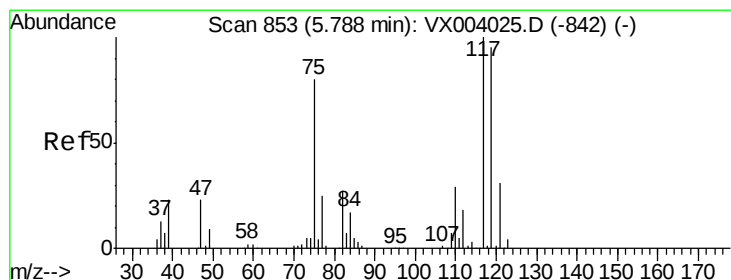
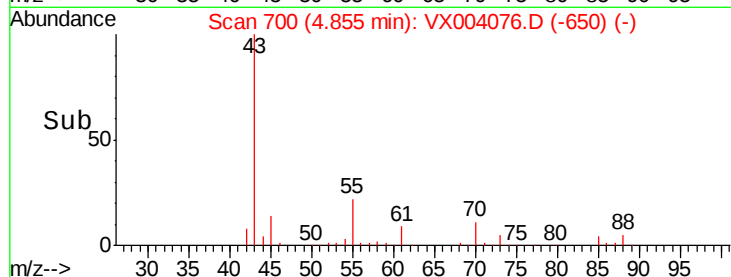
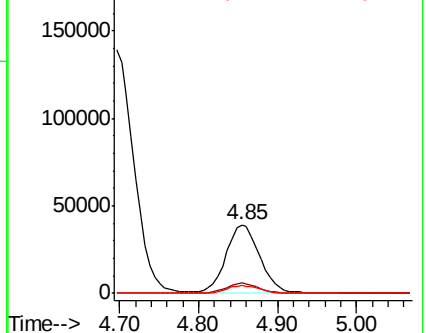
70 11.2 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 19.41 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

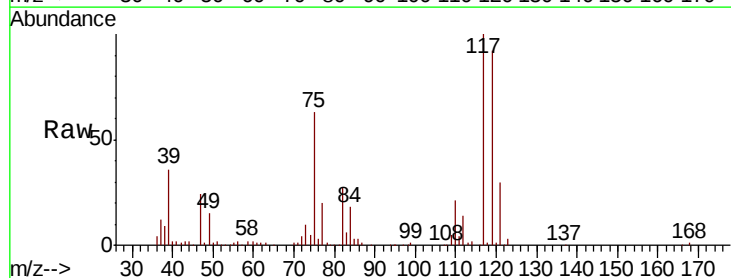
Tgt Ion: 117 Resp: 97070

Ion Ratio Lower Upper

117 100

119 92.1 79.5 119.3

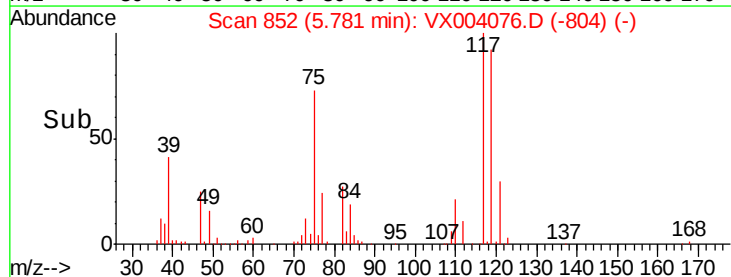
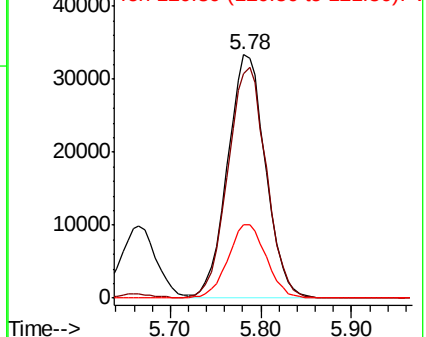
121 30.1 25.0 37.4

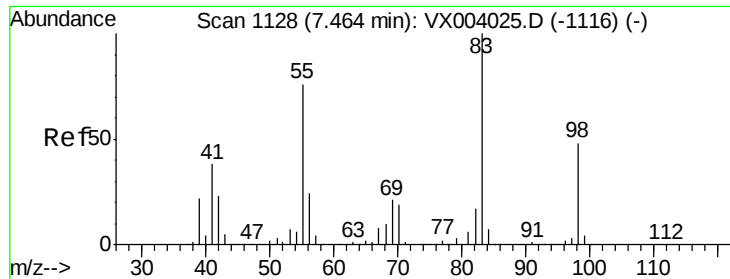


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

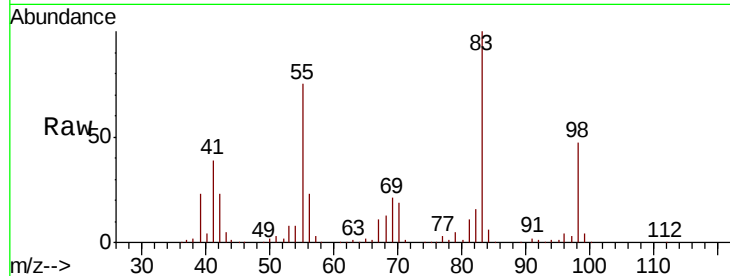




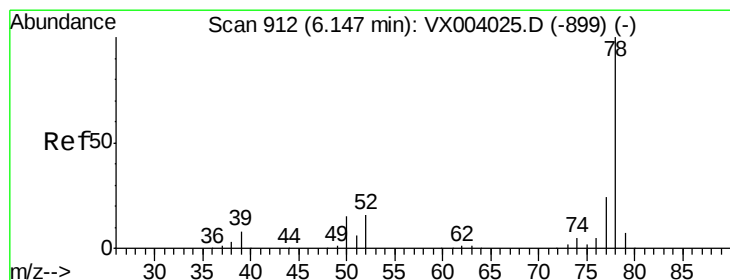
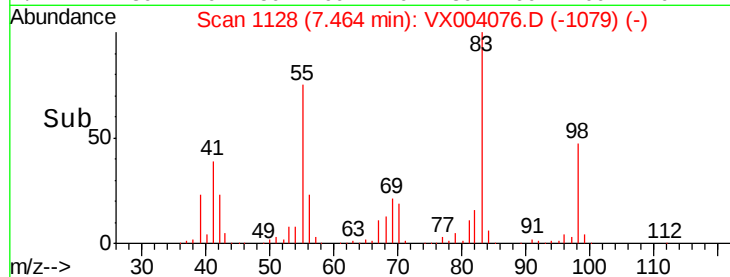
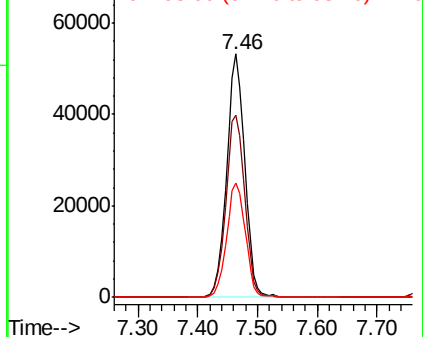
#39
Methvlcvclohexane
Concen: 19.31 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion: 83 Resp: 112774
Ion Ratio Lower Upper
83 100
55 74.7 61.0 91.6
98 47.2 38.6 57.8

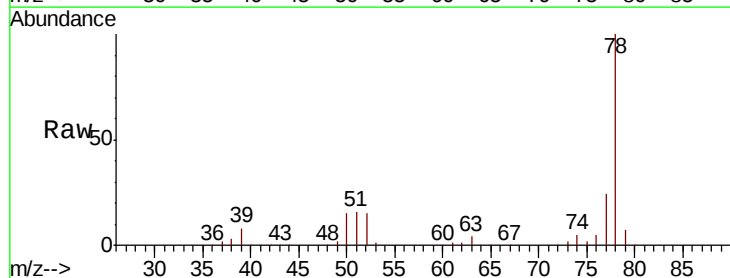


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

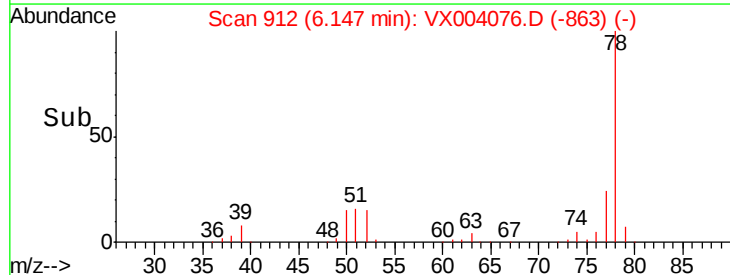
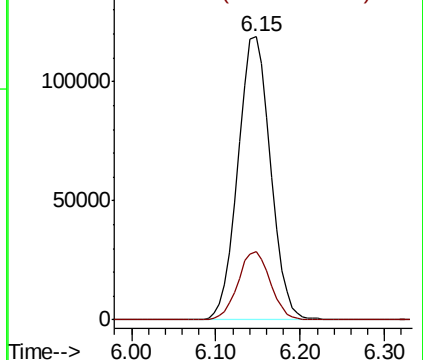


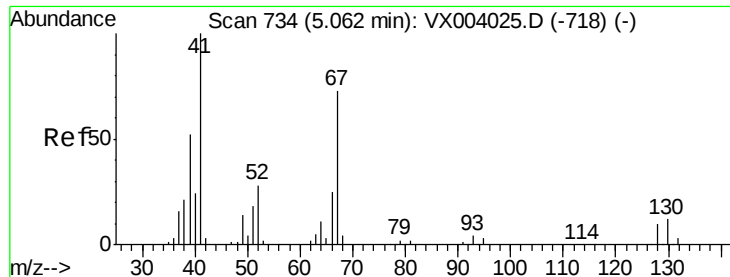
#40
Benzene
Concen: 20.09 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion: 78 Resp: 310590
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4



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





#41

Methacrylonitrile

Concen: 19.99 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

Tot Ion: 41 Resp: 62774

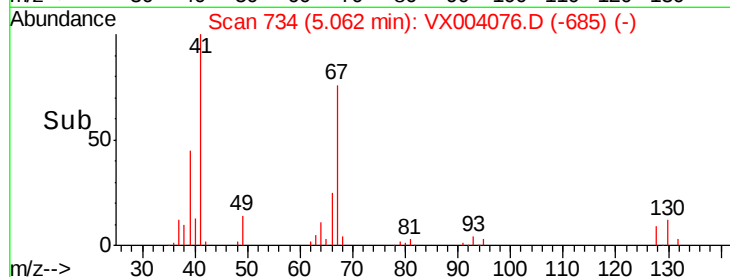
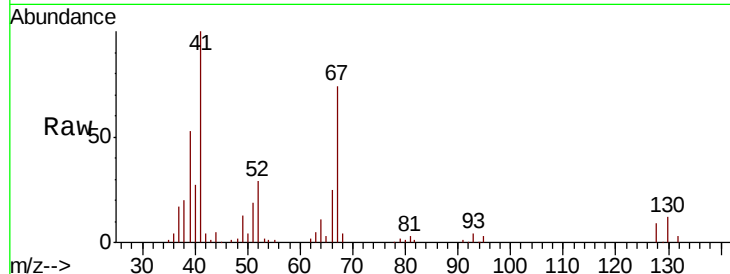
Ion Ratio Lower Upper

41 100

39 52.5 42.7 64.1

67 73.8 58.9 88.3

52 29.2 22.6 33.8

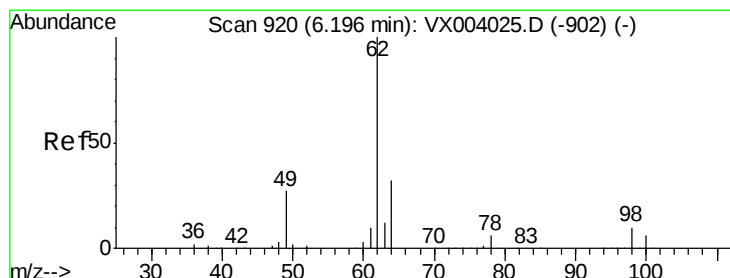
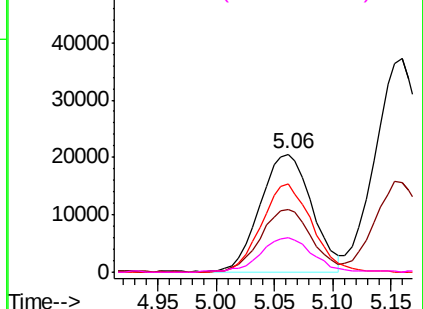


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.08 ug/l

RT: 6.20 min Scan# 921

Delta R.T. 0.01 min

Lab File: VX004076.D

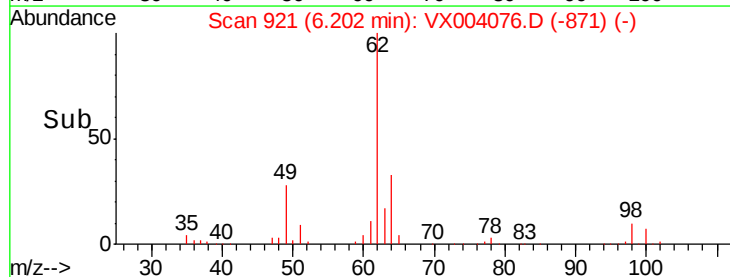
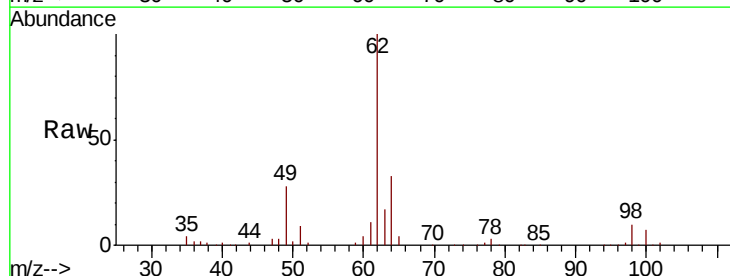
Acq: 15 Aug 2018 16:54

Tgt Ion: 62 Resp: 108655

Ion Ratio Lower Upper

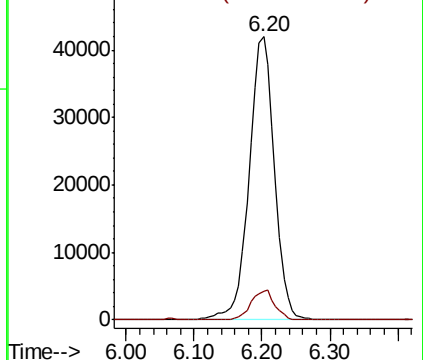
62 100

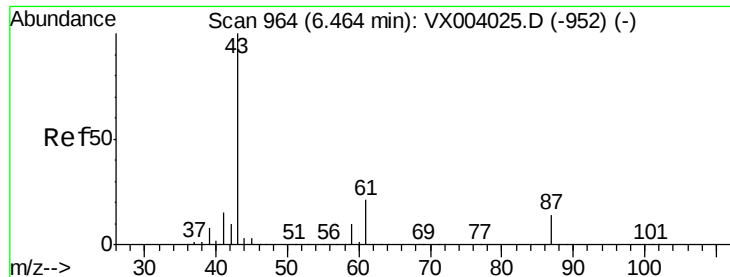
98 10.0 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.03 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

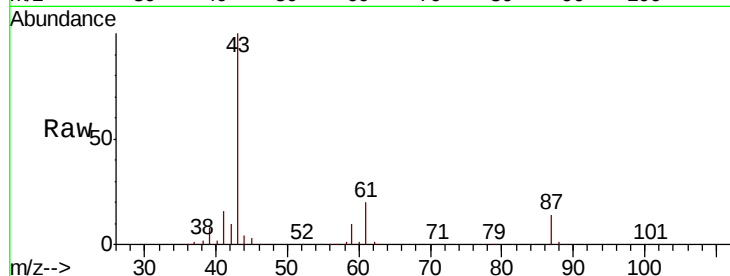
Tot Ion: 43 Resp: 165472

Ion Ratio Lower Upper

43 100

61 20.8 16.9 25.3

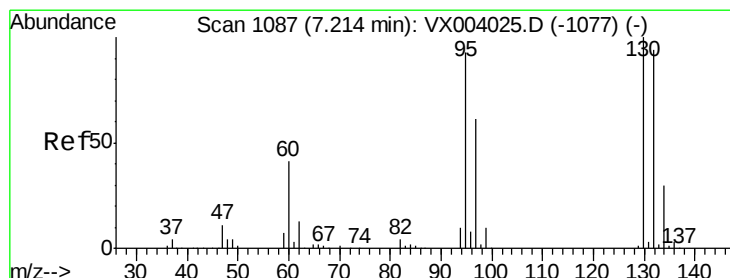
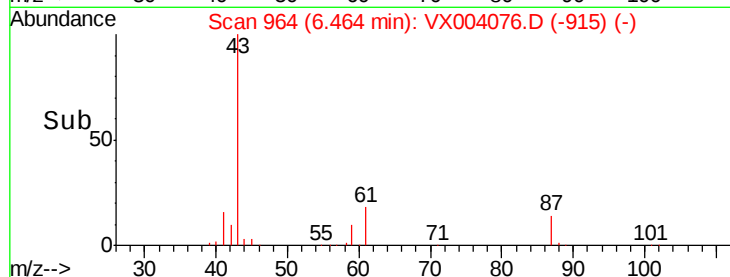
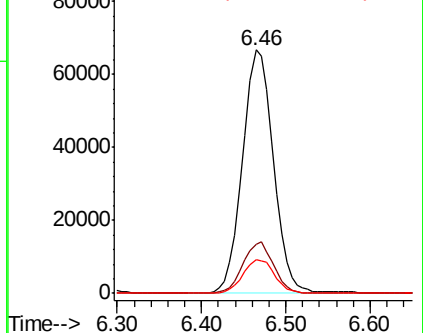
87 14.0 11.3 16.9



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: 19.54 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004076.D

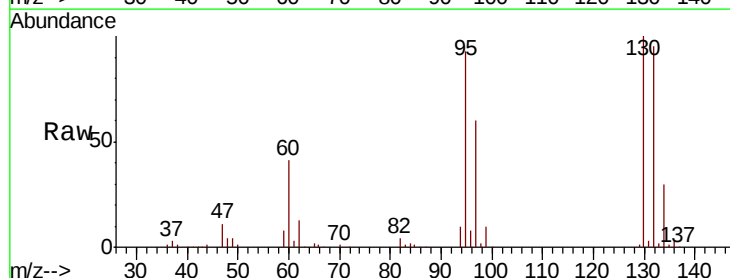
Acq: 15 Aug 2018 16:54

Tgt Ion:130 Resp: 82003

Ion Ratio Lower Upper

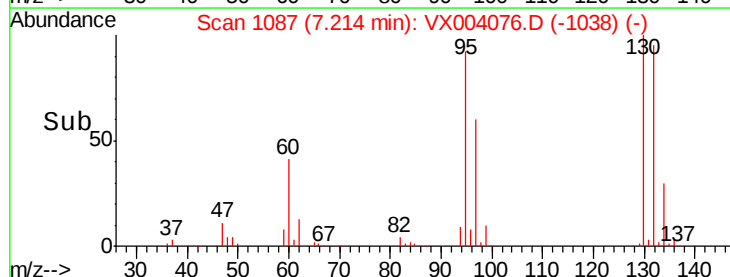
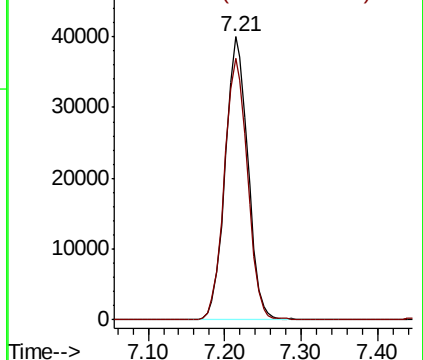
130 100

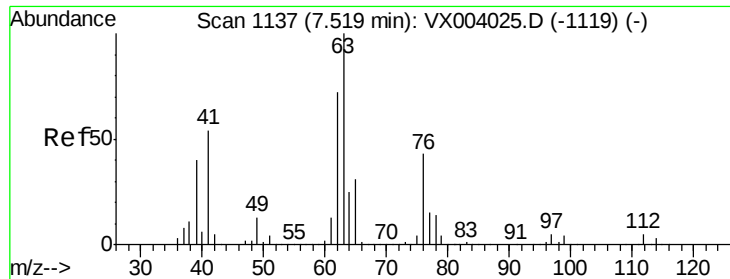
95 92.6 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 20.05 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

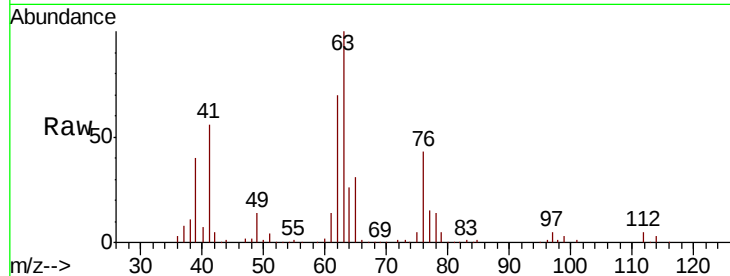
VX0815WBSD01

Tot Ion: 63 Resp: 79326

Ion Ratio Lower Upper

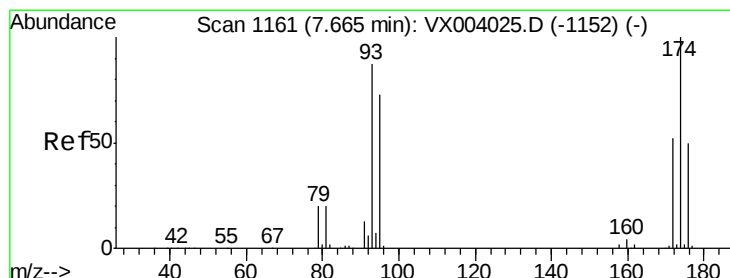
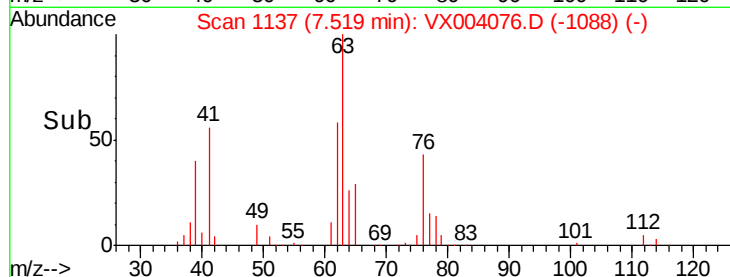
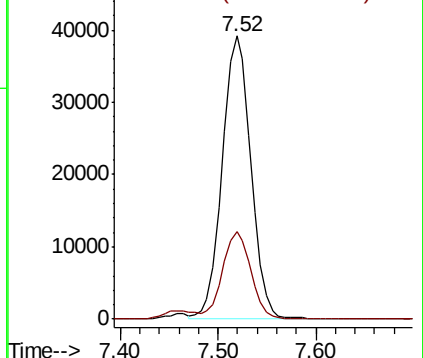
63 100

65 30.8 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.98 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

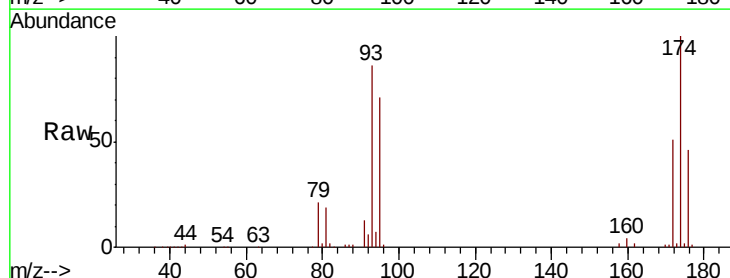
Tgt Ion: 93 Resp: 51675

Ion Ratio Lower Upper

93 100

95 83.7 66.4 99.6

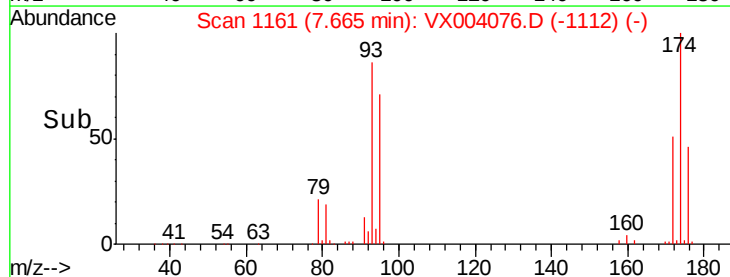
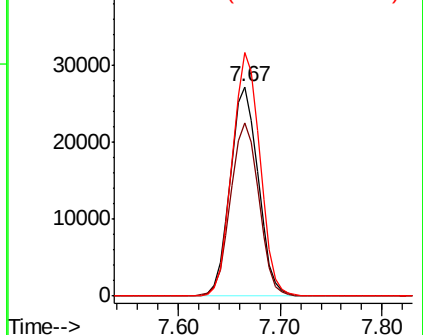
174 115.7 94.3 141.5

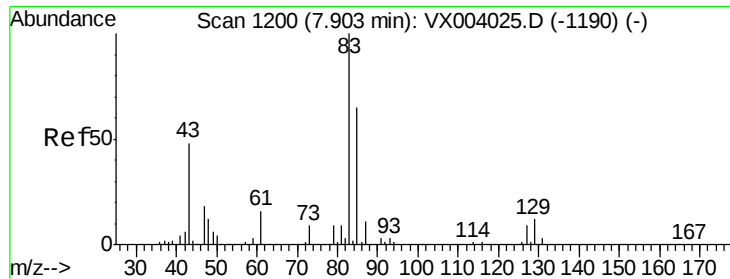


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.47 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

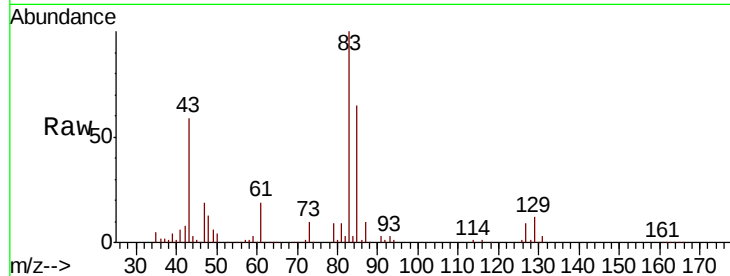
Tot Ion: 83 Resp: 95346

Ion Ratio Lower Upper

83 100

85 64.6 51.2 76.8

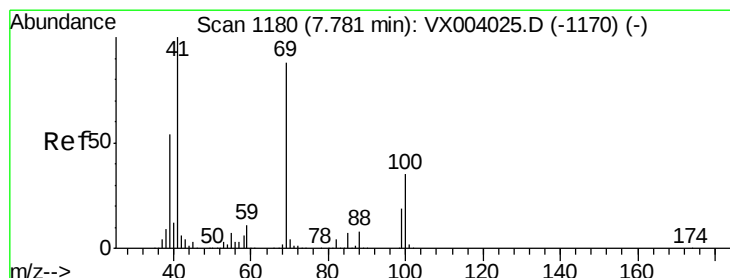
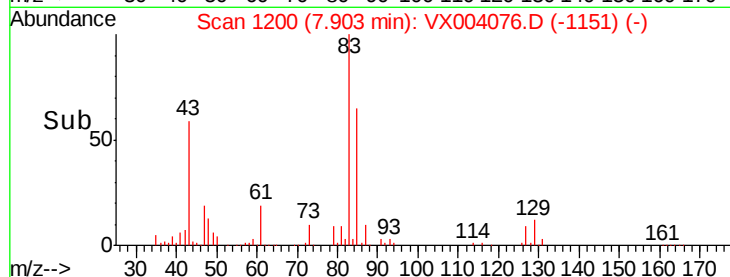
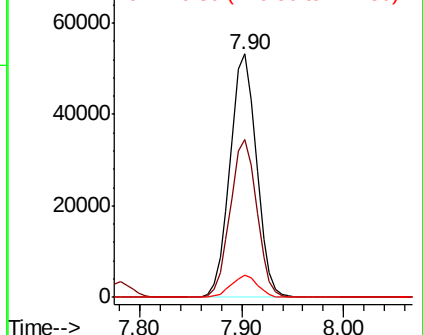
127 9.1 7.2 10.8



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: 20.59 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

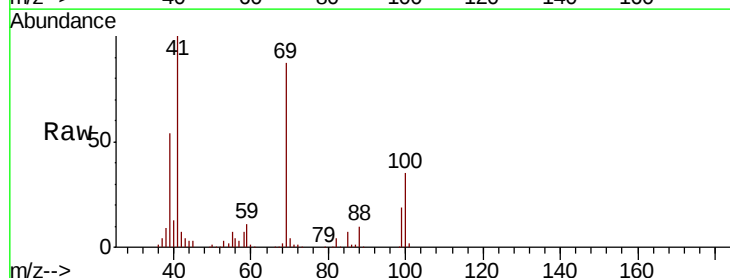
Tgt Ion: 41 Resp: 85660

Ion Ratio Lower Upper

41 100

69 86.2 68.8 103.2

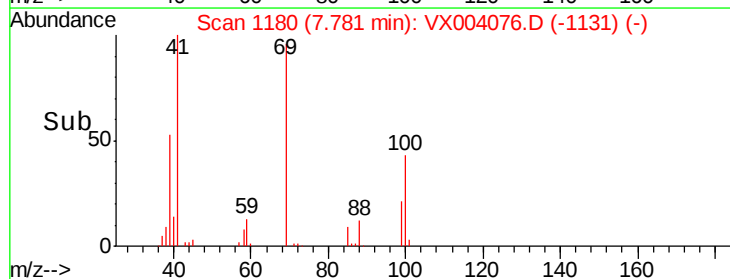
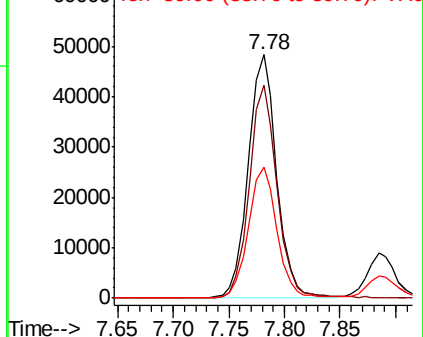
39 54.0 42.3 63.5

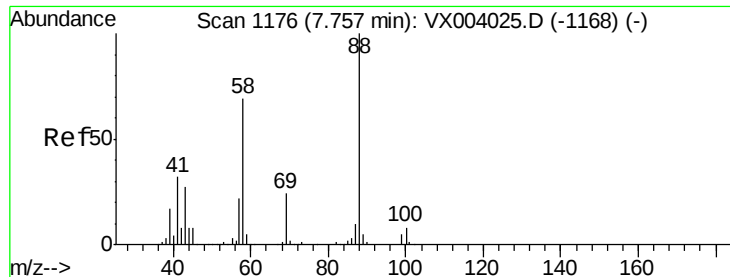


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

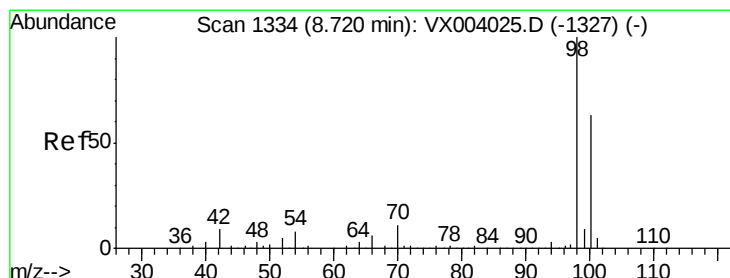
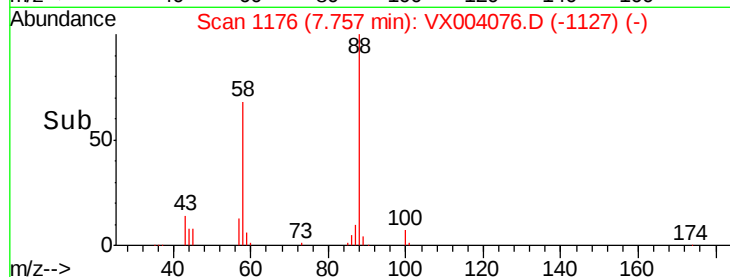
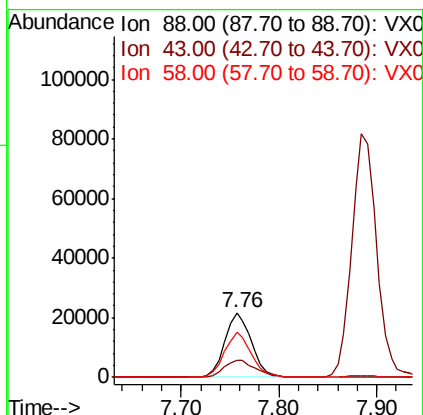
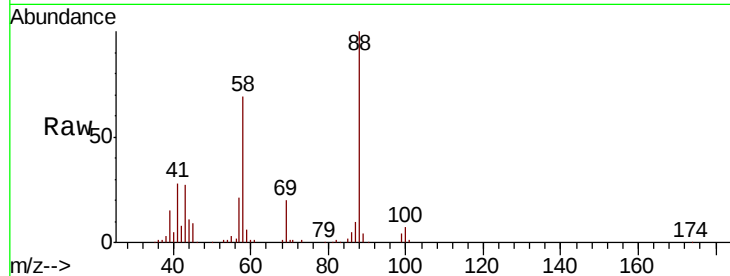




#49
 1,4-Dioxane
 Concen: 438.01 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

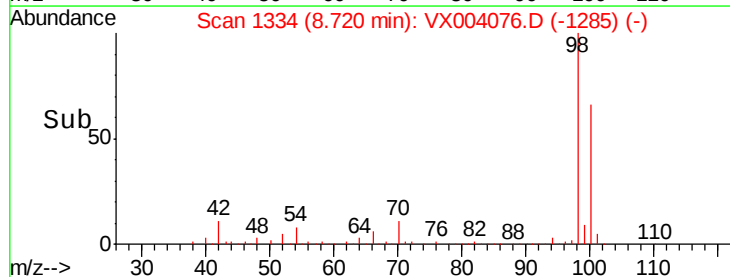
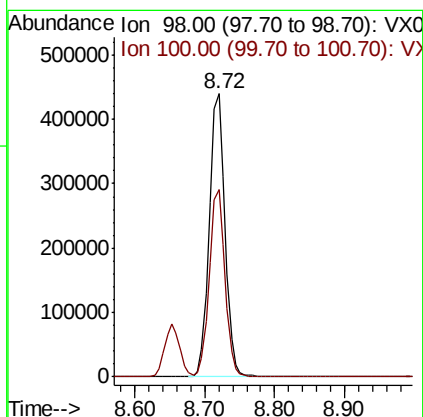
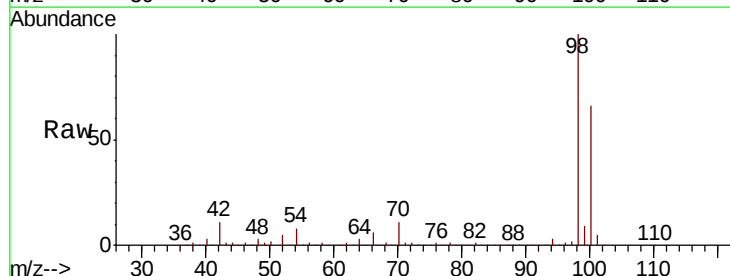
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

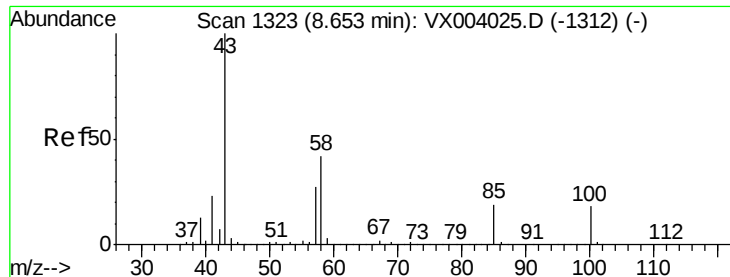
Tot Ion: 88 Resp: 41018
 Ion Ratio Lower Upper
 88 100
 43 31.9 23.8 35.8
 58 70.7 55.4 83.0



#50
 Toluene-d8
 Concen: 50.00 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion: 98 Resp: 686356
 Ion Ratio Lower Upper
 98 100
 100 66.2 53.3 79.9

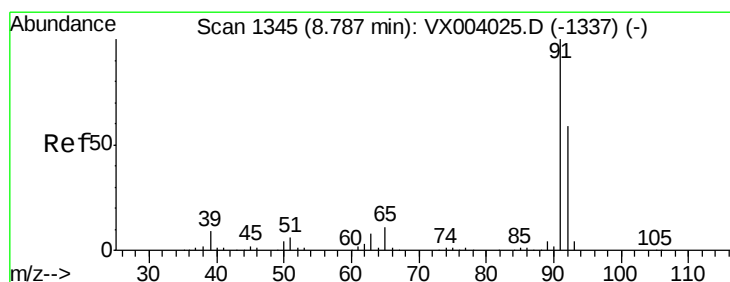
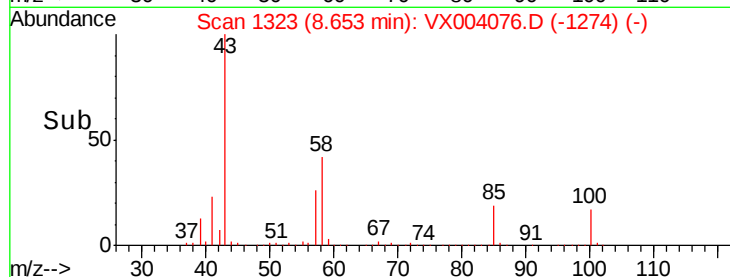
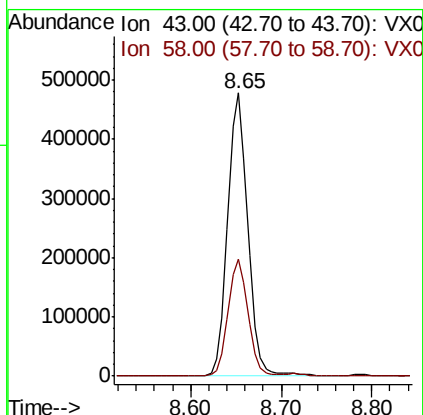
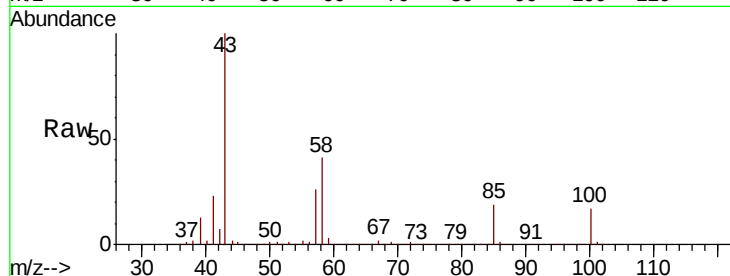




#51
4-Methyl-2-Pentanone
Concen: 108.77 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

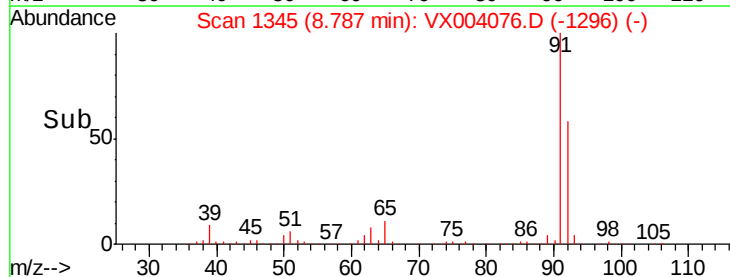
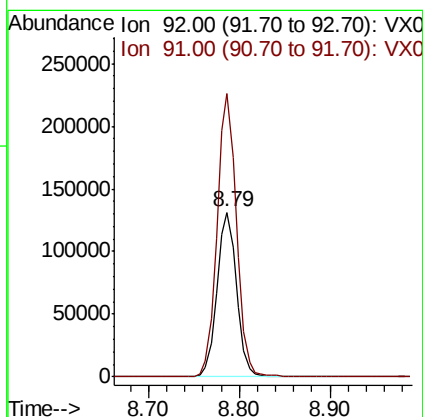
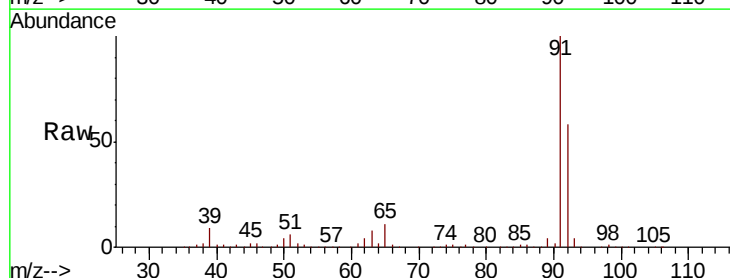
Instrument :
MSVOA_X
ClientSampleID :
VX0815WBSD01

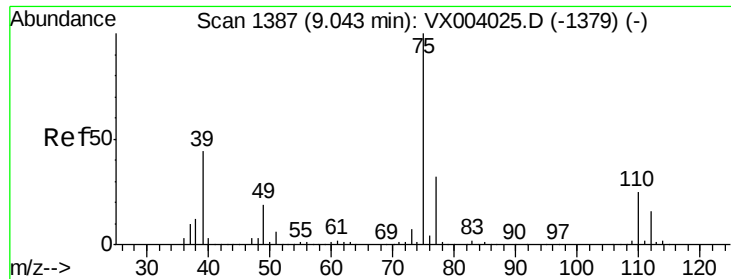
Tot Ion: 43 Resp: 736923
Ion Ratio Lower Upper
43 100
58 40.7 33.0 49.6



#52
Toluene
Concen: 20.36 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion: 92 Resp: 199061
Ion Ratio Lower Upper
92 100
91 170.4 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 19.73 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

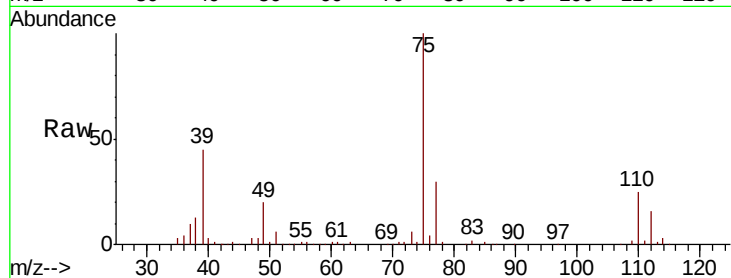
VX0815WBSD01

Tot Ion: 75 Resp: 104374

Ion Ratio Lower Upper

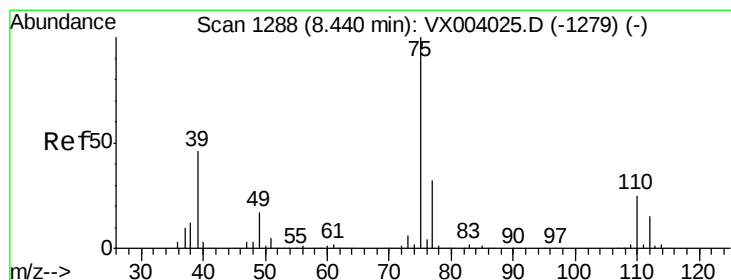
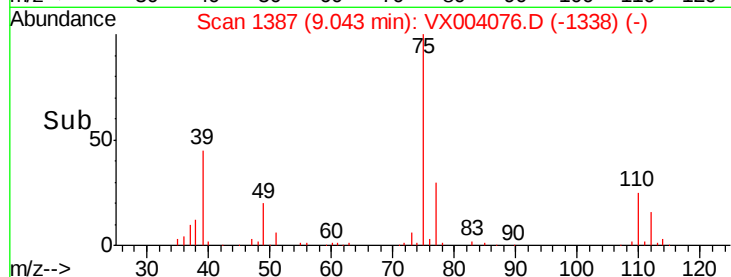
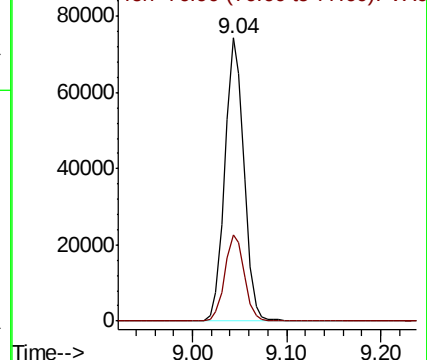
75 100

77 30.3 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.96 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

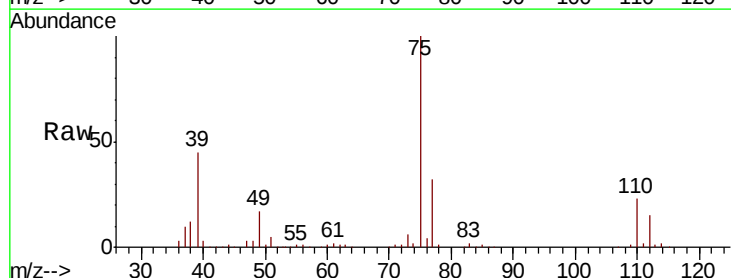
Tgt Ion: 75 Resp: 116965

Ion Ratio Lower Upper

75 100

77 32.4 25.3 37.9

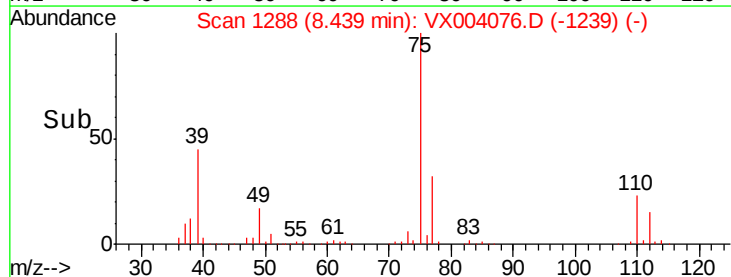
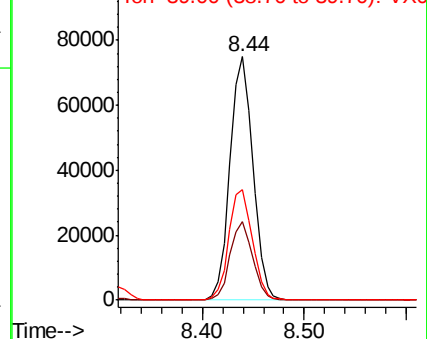
39 45.1 36.2 54.2

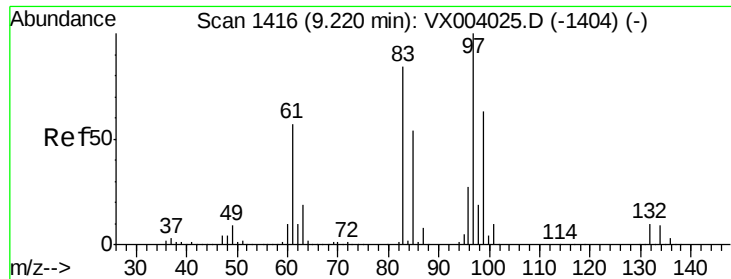


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

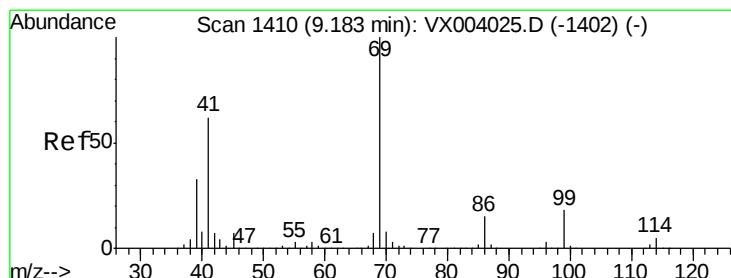
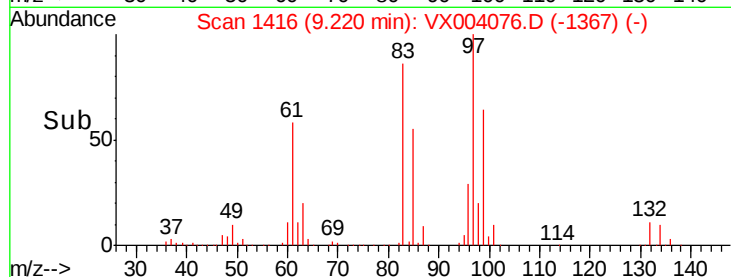
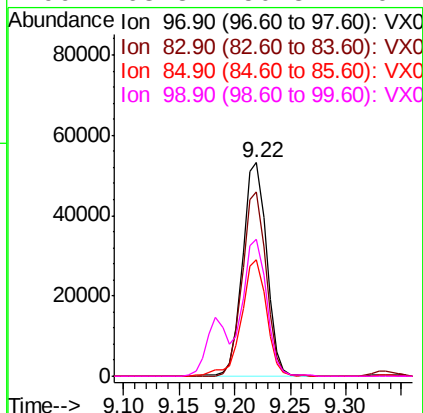
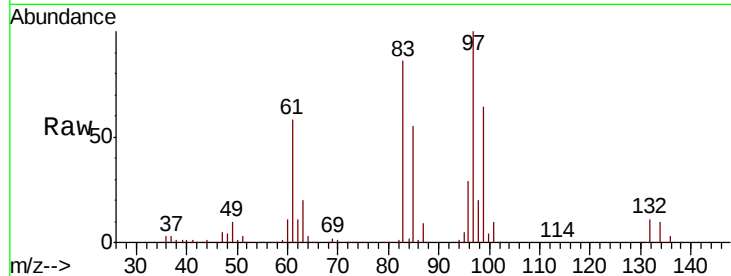




#55
 1,1,2-Trichloroethane
 Concen: 19.91 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

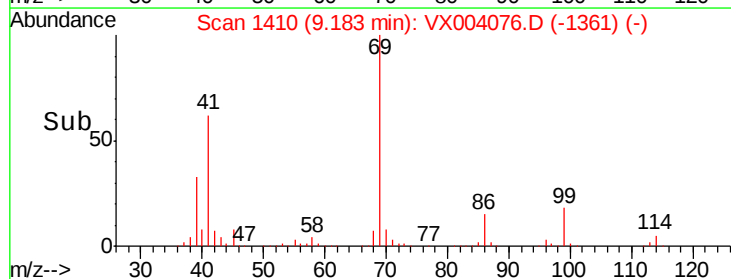
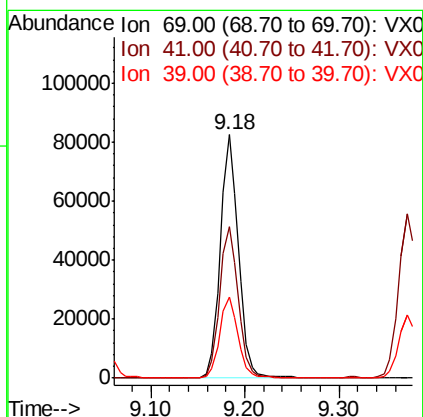
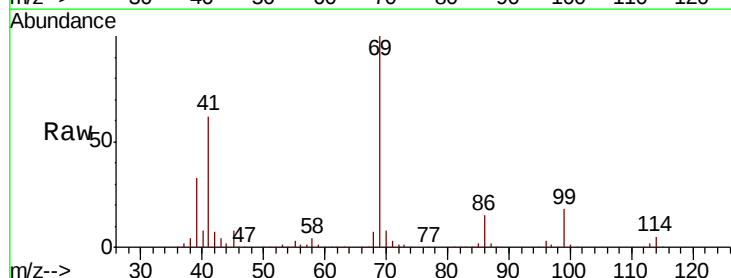
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

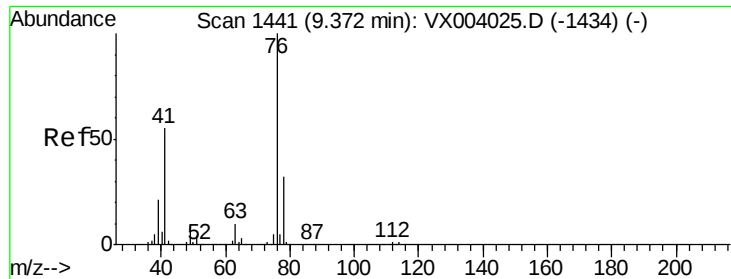
Tot Ion:	97	Resp:	80385
Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.8	101.6
85	54.7	44.2	66.2
99	63.8	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.06 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion:	69	Resp:	110115
Ion	Ratio	Lower	Upper
69	100		
41	63.7	50.6	76.0
39	33.5	25.8	38.6





#57

1,3-Dichloropropane

Concen: 20.31 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

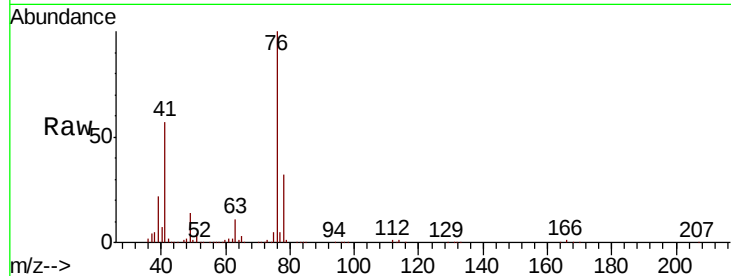
VX0815WBSD01

Tot Ion: 76 Resp: 136008

Ion Ratio Lower Upper

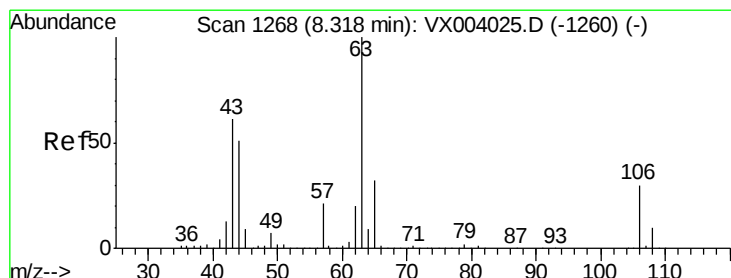
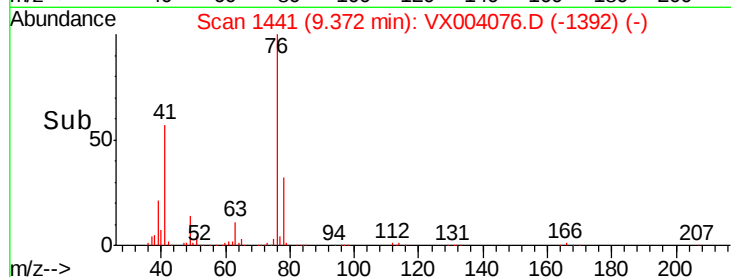
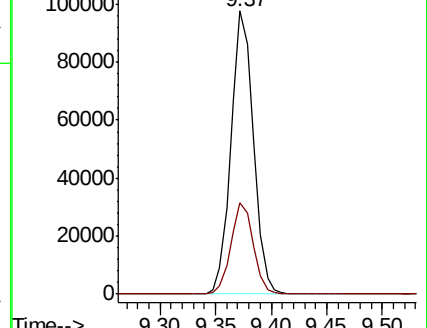
76 100

78 32.3 25.9 38.9



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: 109.03 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004076.D

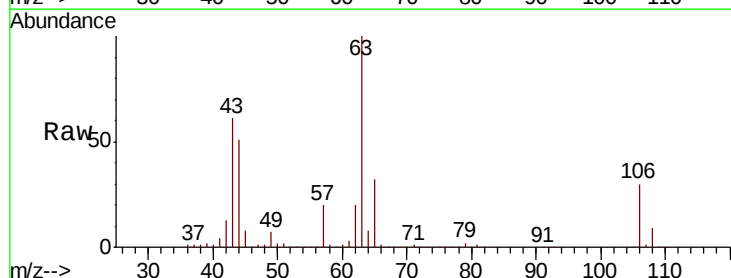
Acq: 15 Aug 2018 16:54

Tgt Ion: 63 Resp: 304769

Ion Ratio Lower Upper

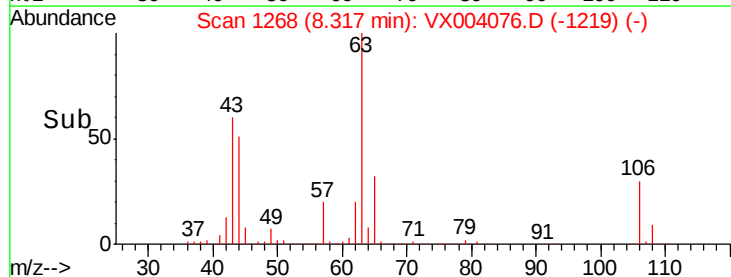
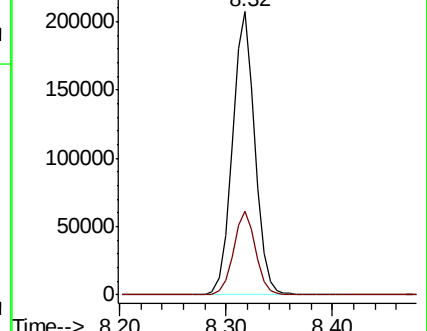
63 100

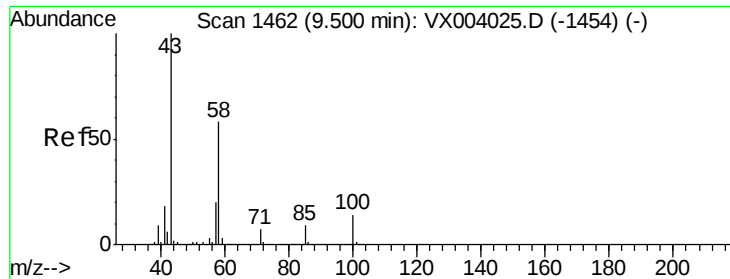
106 29.3 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

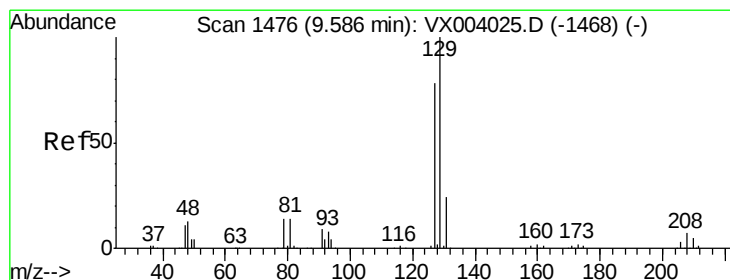
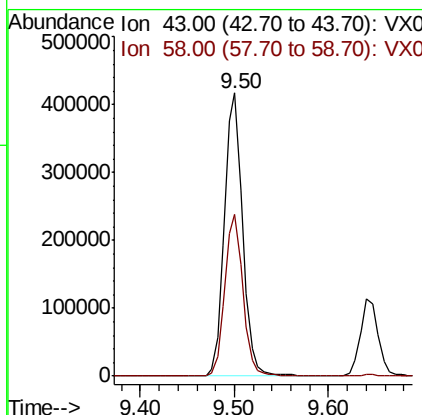
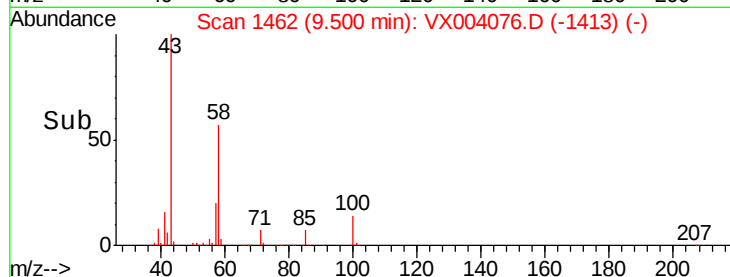
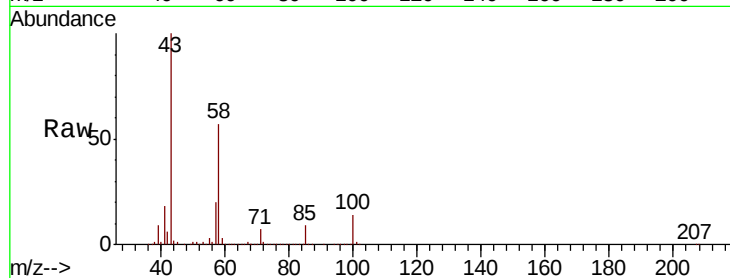




#59
2-Hexanone
Concen: 109.82 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

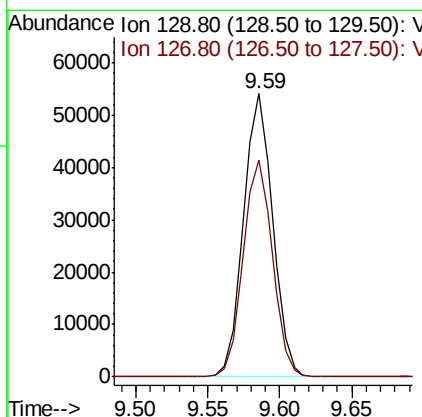
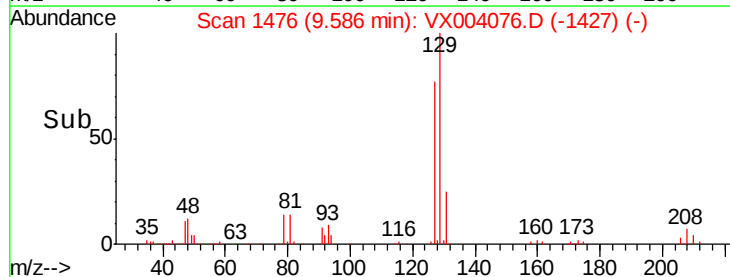
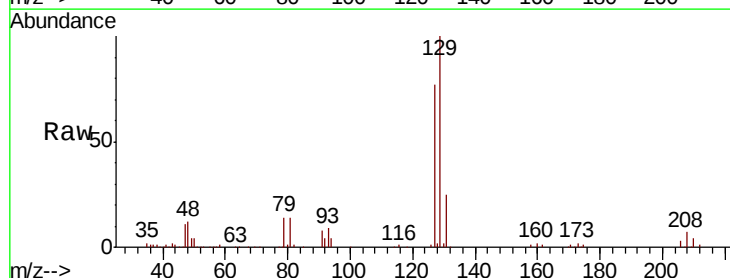
Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

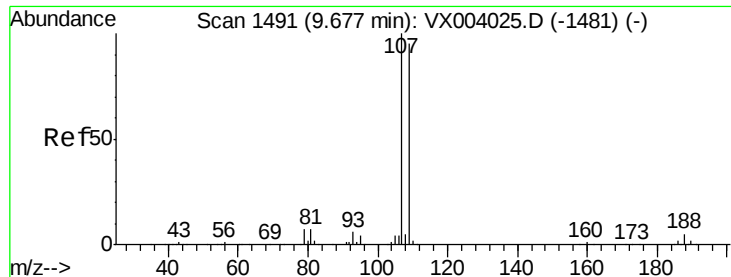
Tot Ion: 43 Resp: 559975
Ion Ratio Lower Upper
43 100
58 57.0 29.0 87.0



#60
Dibromochloromethane
Concen: 19.52 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion: 129 Resp: 75822
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 20.30 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

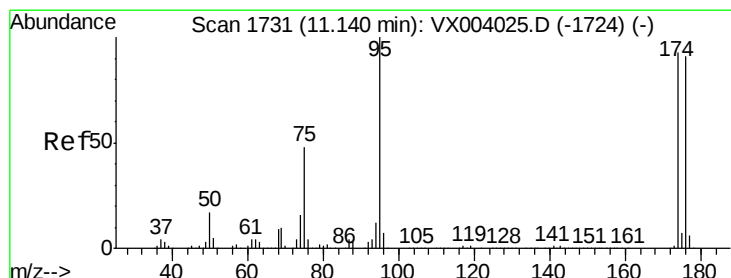
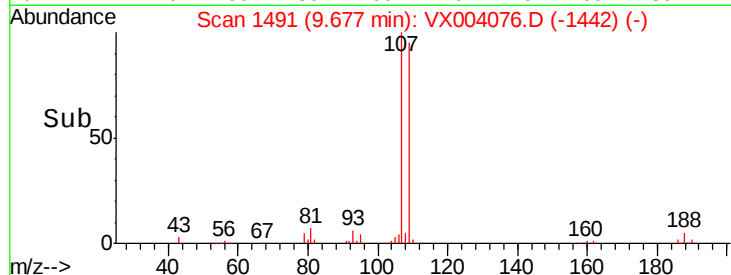
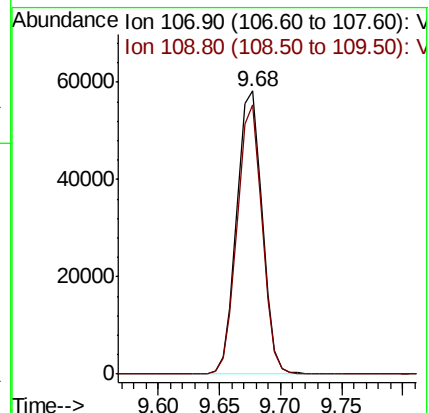
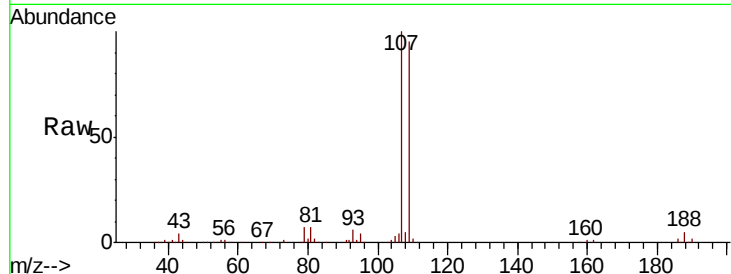
VX0815WBSD01

Tot Ion: 107 Resp: 83545

Ion Ratio Lower Upper

107 100

109 93.2 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 49.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

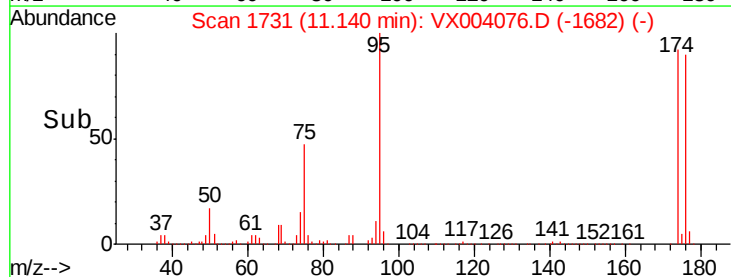
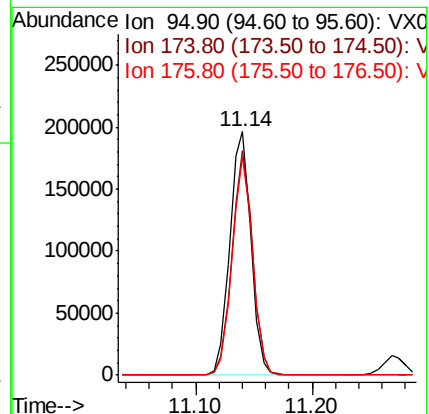
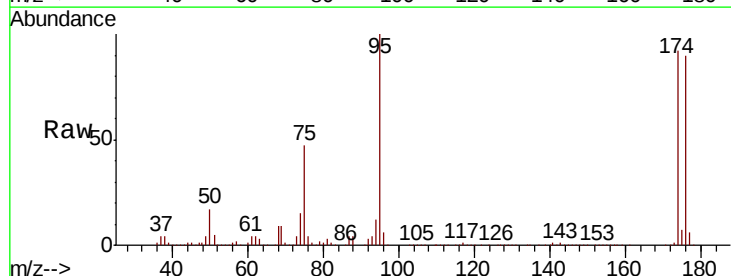
Tgt Ion: 95 Resp: 246214

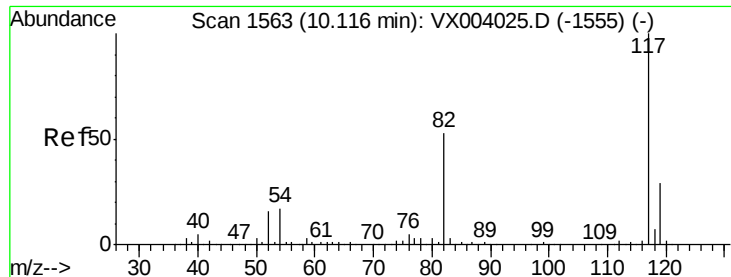
Ion Ratio Lower Upper

95 100

174 89.7 0.0 182.8

176 87.0 0.0 179.0

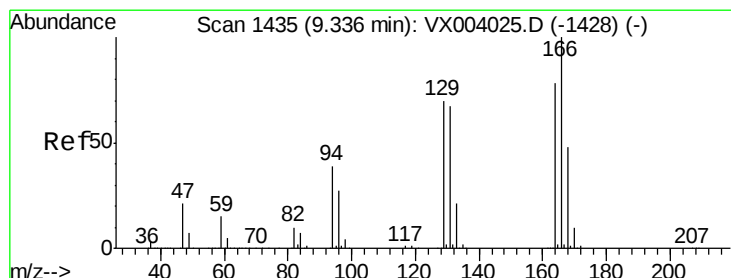
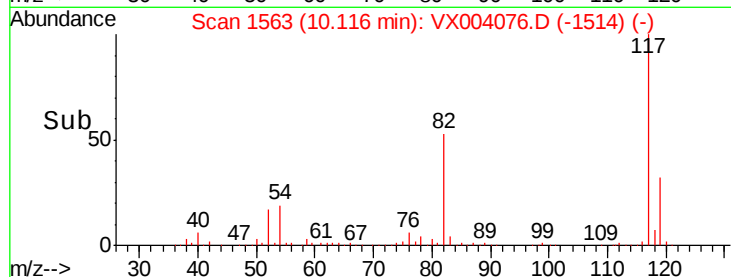
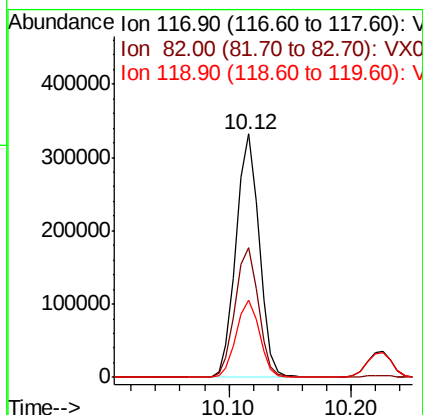
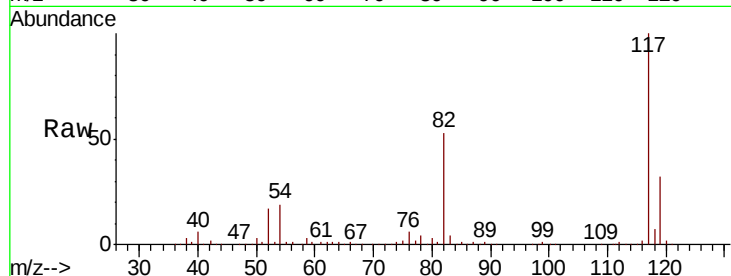




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

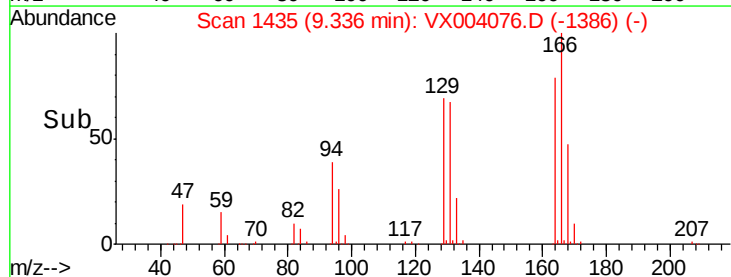
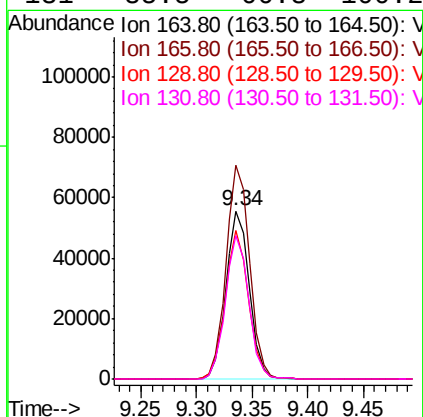
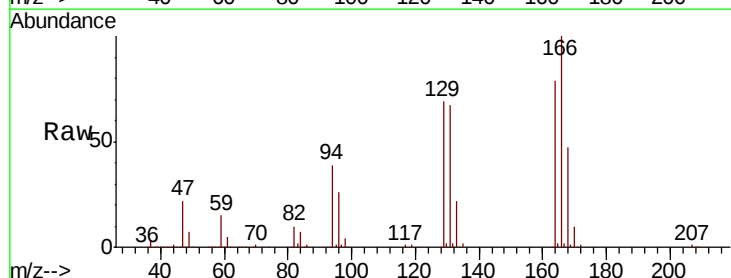
Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

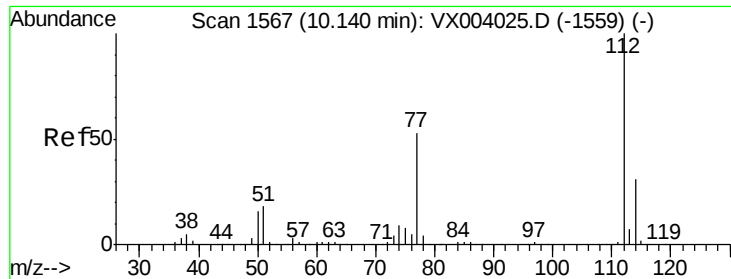
Tot Ion:117 Resp: 434733
Ion Ratio Lower Upper
117 100
82 53.2 45.4 68.0
119 31.6 26.6 40.0



#64
Tetrachloroethene
Concen: 19.55 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion:164 Resp: 80572
Ion Ratio Lower Upper
164 100
166 127.3 98.0 147.0
129 88.3 64.3 96.5
131 85.5 66.8 100.2

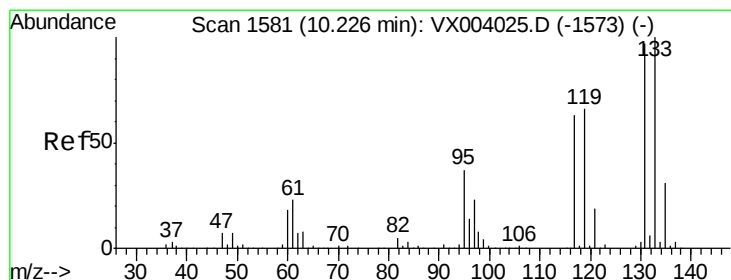
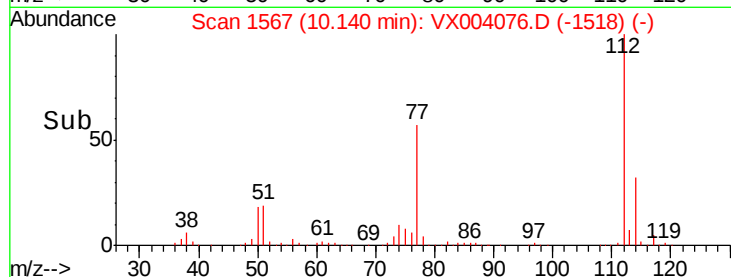
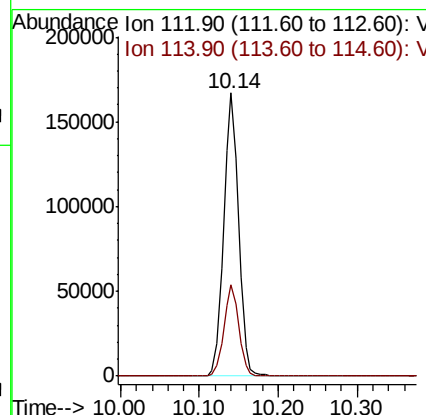
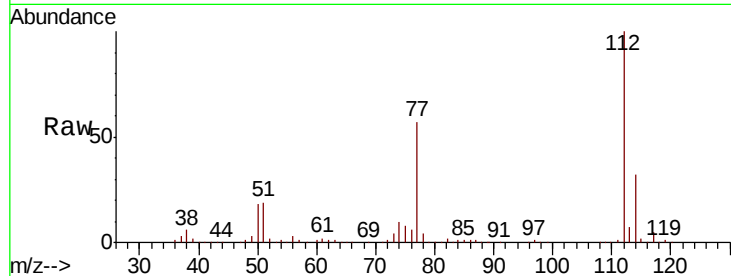




#65
Chlorobenzene
Concen: 19.59 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

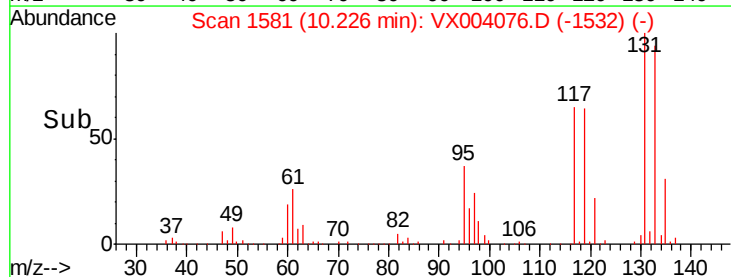
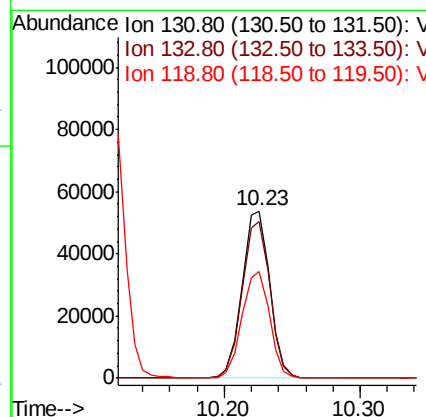
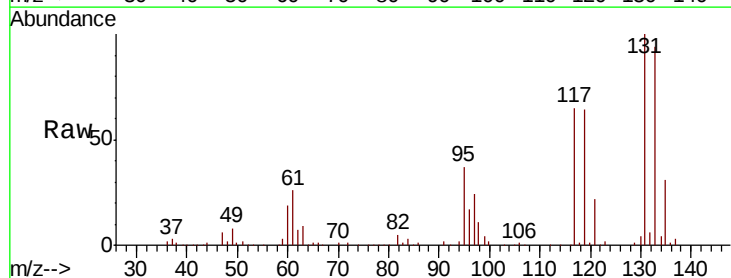
Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

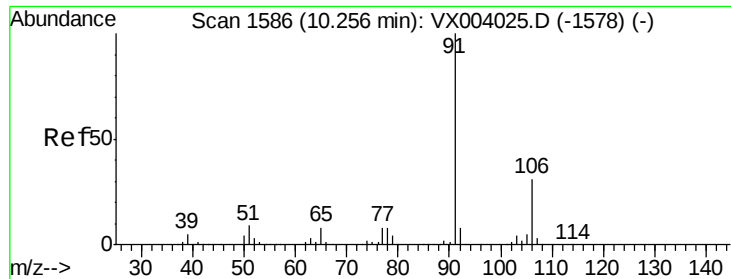
Tot Ion:112 Resp: 220034
Ion Ratio Lower Upper
112 100
114 32.3 23.6 35.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.79 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion:131 Resp: 75789
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.8
119 64.2 31.6 94.8

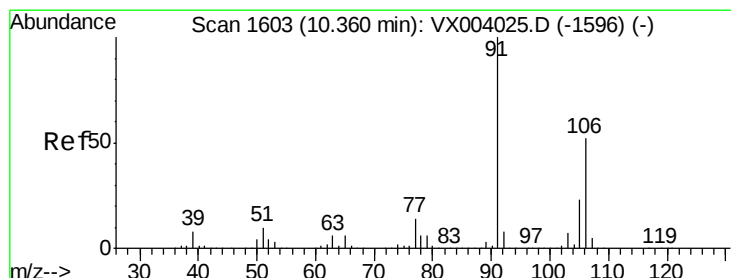
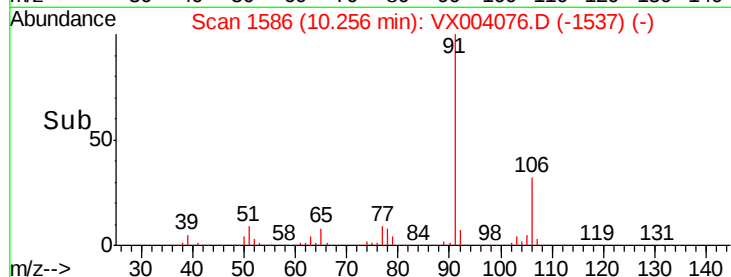
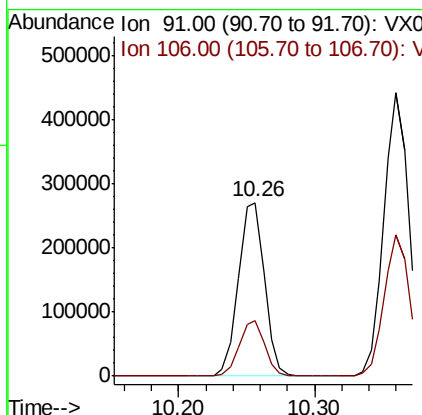
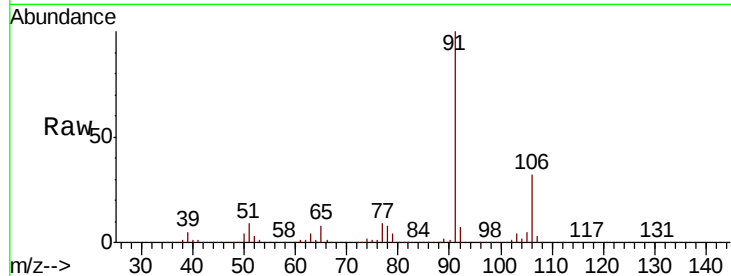




#67
Ethyl Benzene
Concen: 20.41 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

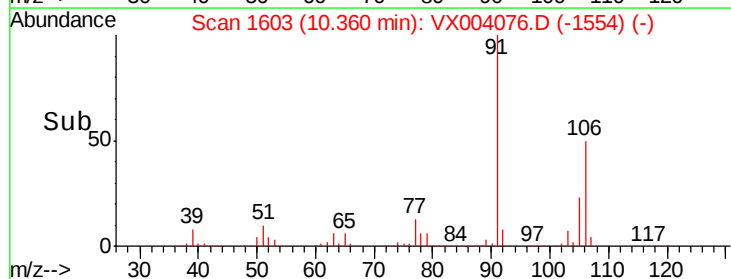
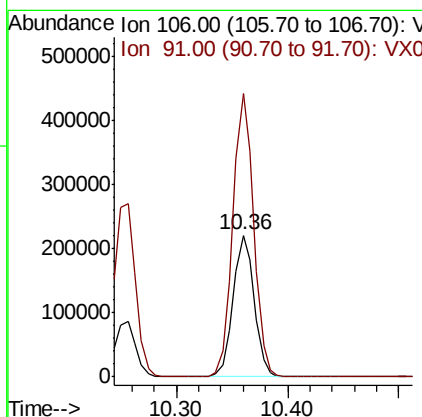
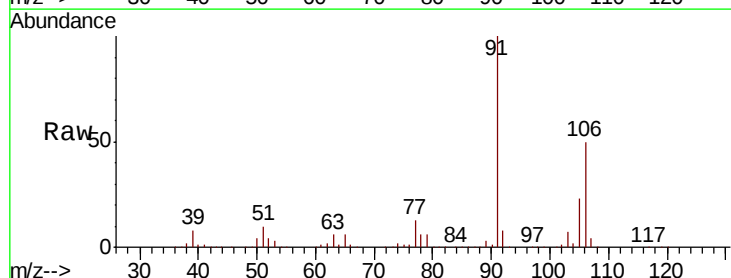
Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

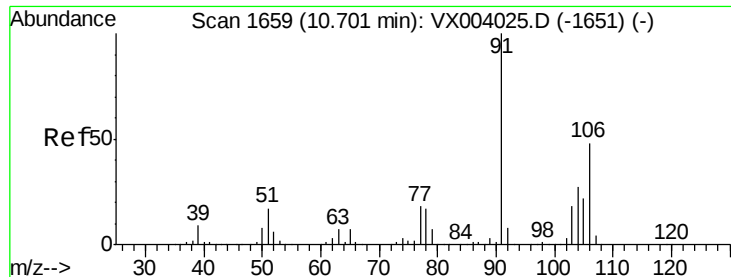
Tot Ion: 91 Resp: 362922
Ion Ratio Lower Upper
91 100
106 31.8 25.9 38.9



#68
m/p-Xylenes
Concen: 41.27 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion: 106 Resp: 287413
Ion Ratio Lower Upper
106 100
91 198.8 162.3 243.5

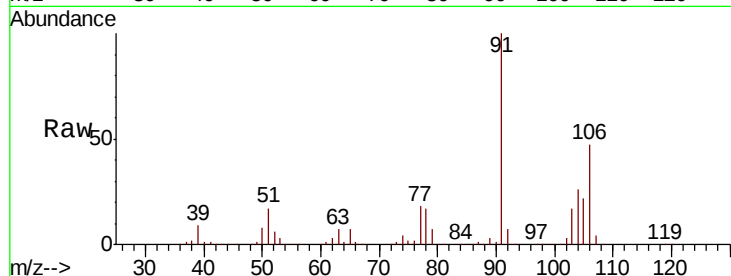




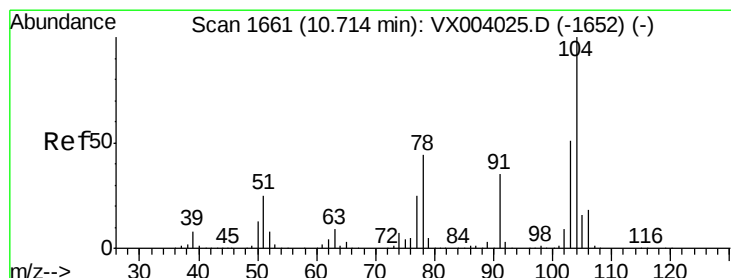
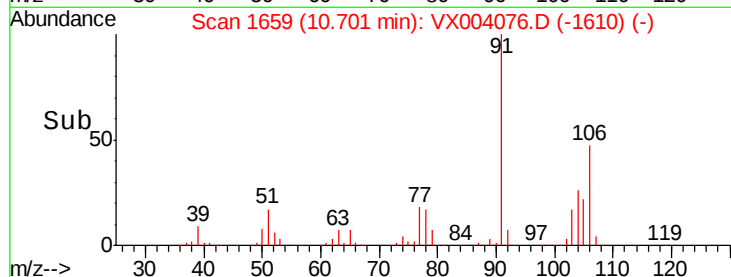
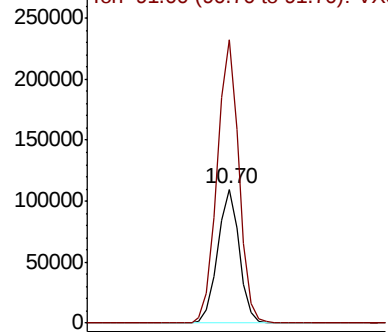
#69
o-Xylene
Concen: 20.18 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampled :
VX0815WBSD01

Tot Ion:106 Resp: 134283
Ion Ratio Lower Upper
106 100
91 212.8 101.9 305.7

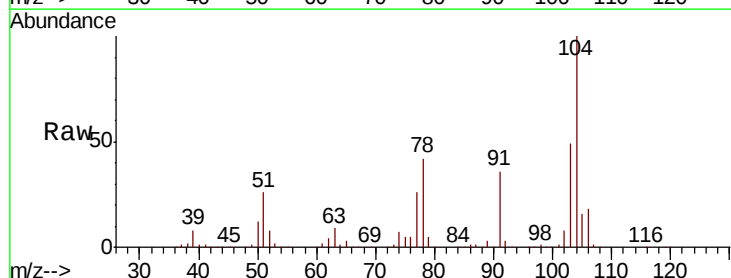


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

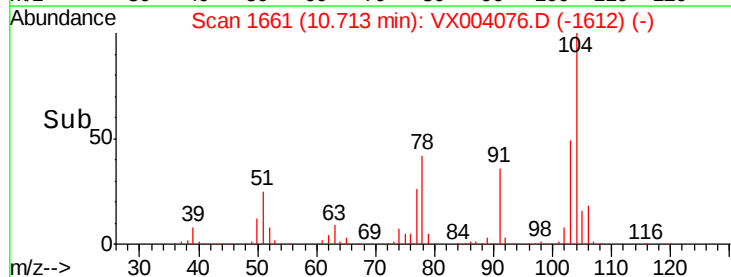
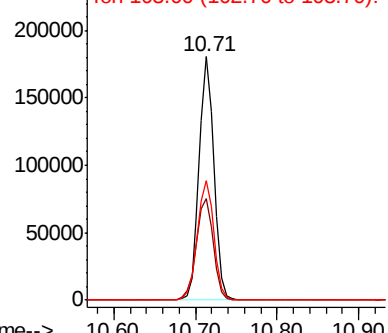


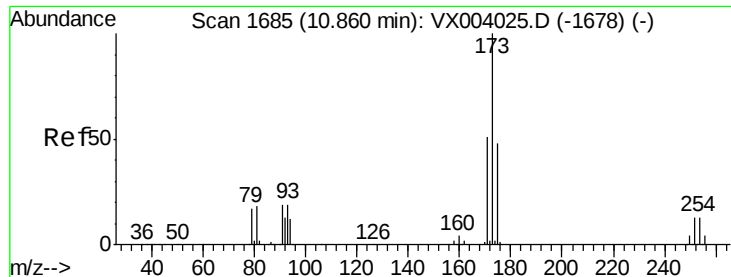
#70
Styrene
Concen: 20.37 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion:104 Resp: 228114
Ion Ratio Lower Upper
104 100
78 47.8 39.8 59.6
103 54.7 44.3 66.5



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

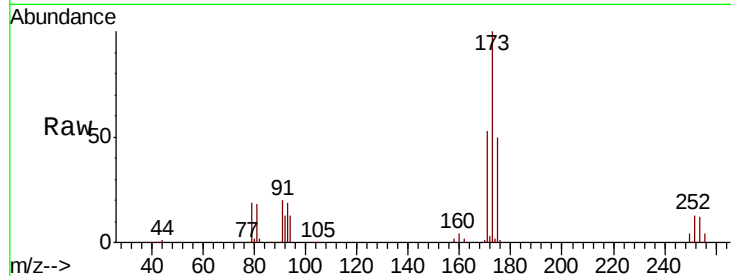




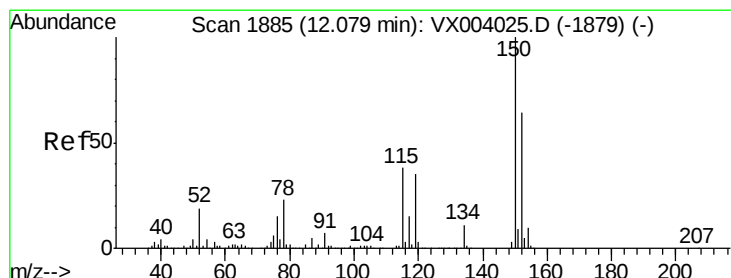
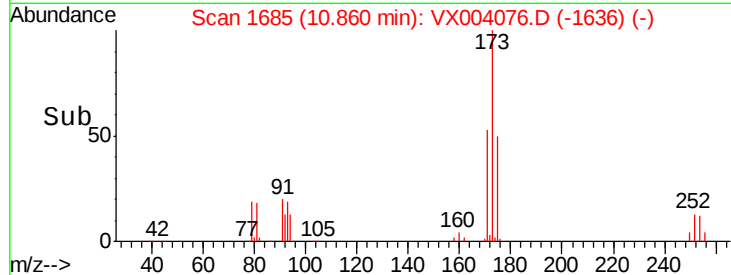
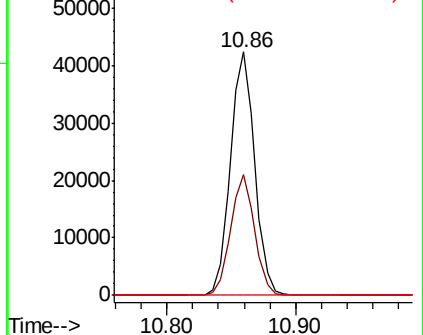
#71
Bromoform
Concen: 18.42 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion:173 Resp: 55934
Ion Ratio Lower Upper
173 100
175 48.8 24.9 74.7
254 0.2 0.2 0.2

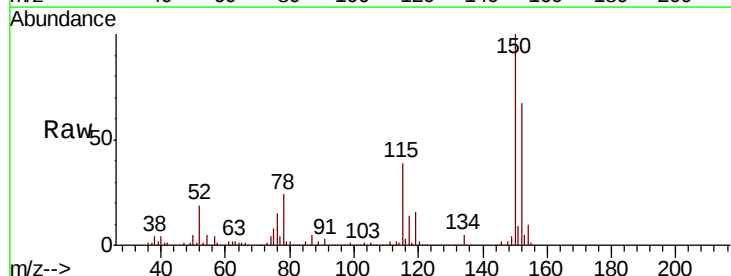


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

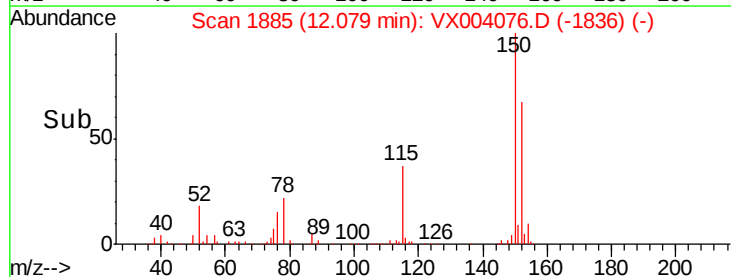
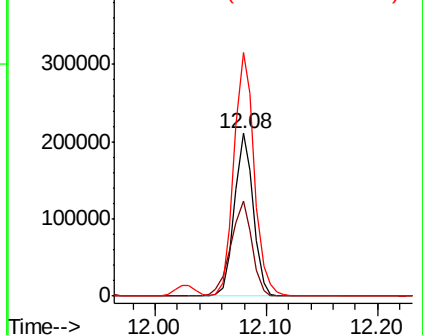


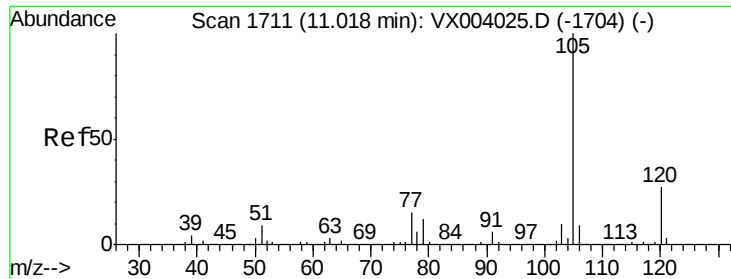
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion:152 Resp: 245503
Ion Ratio Lower Upper
152 100
115 65.9 39.1 117.3
150 162.1 0.0 349.2



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





#73

Isopropylbenzene

Concen: 21.95 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

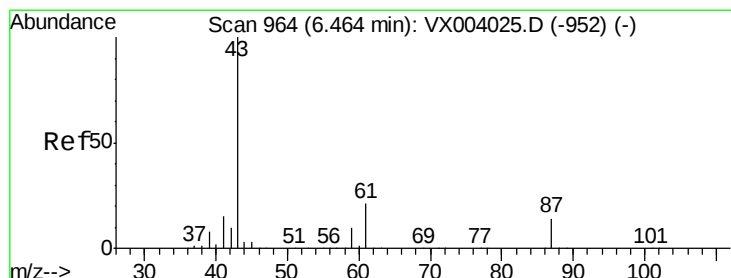
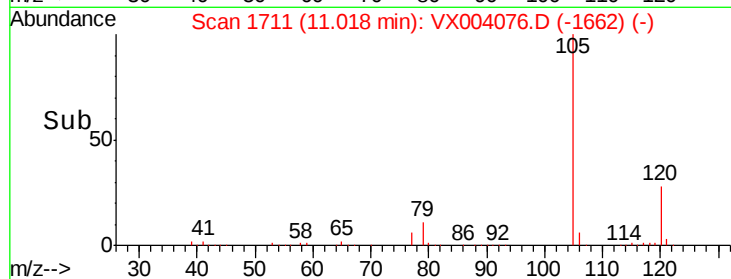
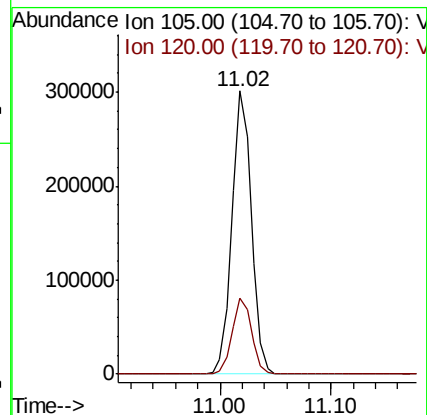
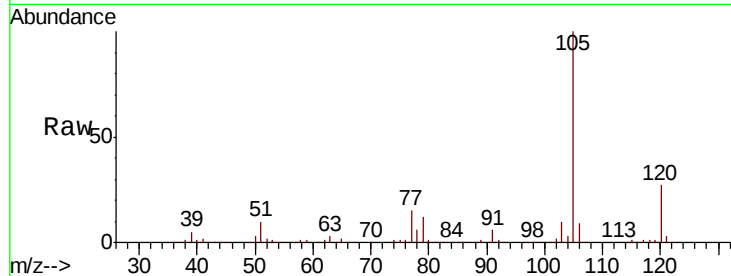
VX0815WBSD01

Tot Ion:105 Resp: 364693

Ion Ratio Lower Upper

105 100

120 27.0 12.6 37.8



#74

N-ethyl acetate

Concen: 21.18 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Tgt Ion: 43 Resp: 165472

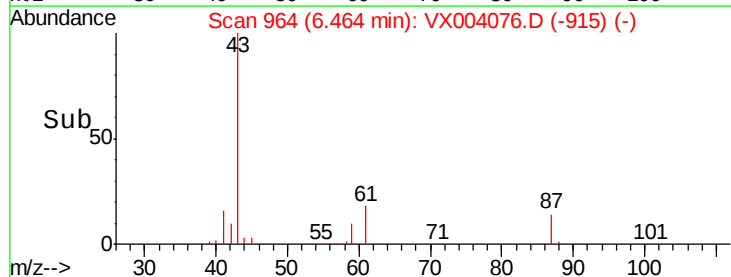
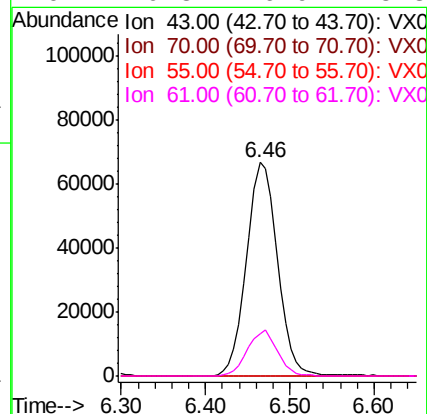
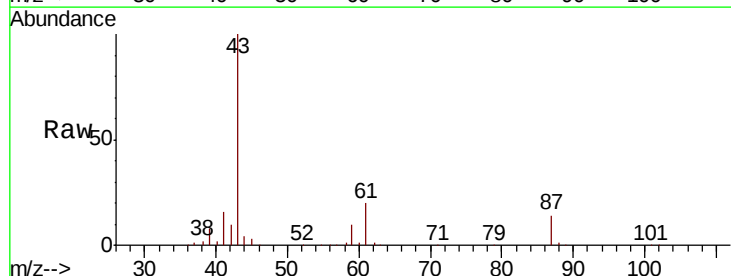
Ion Ratio Lower Upper

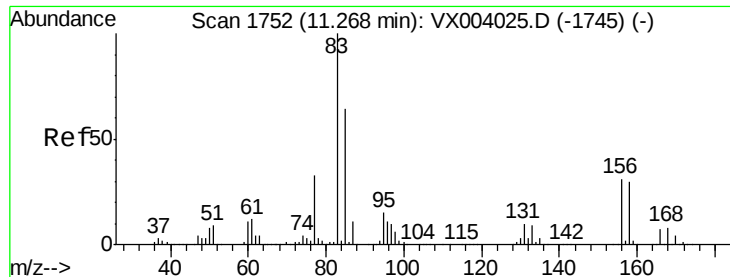
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 20.8 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.65 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

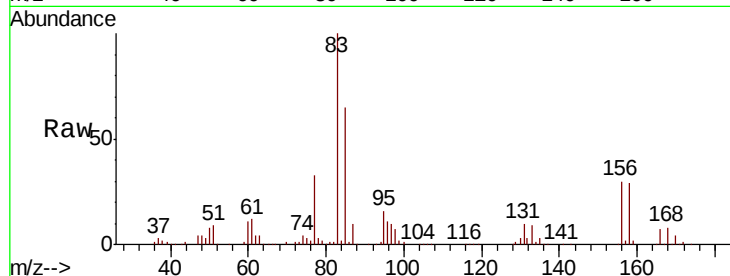
Tot Ion: 83 Resp: 125612

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

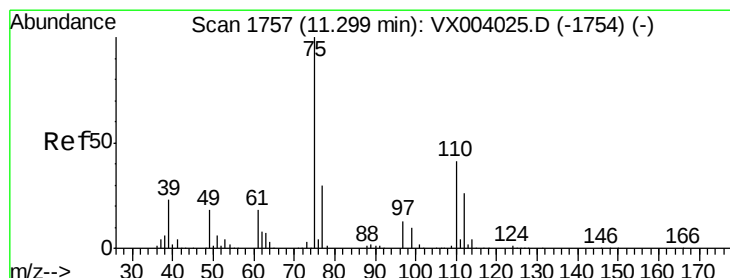
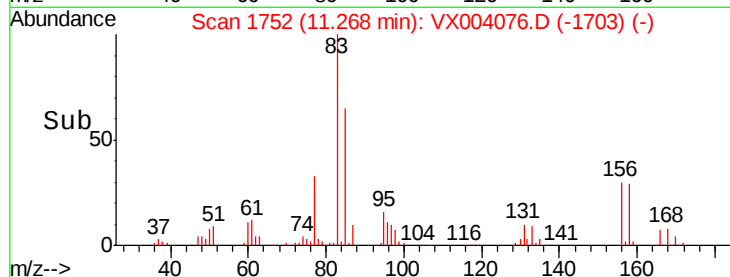
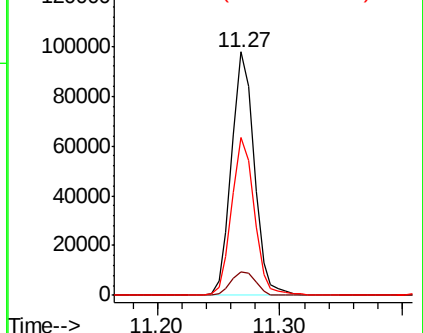
85 64.6 32.2 96.6



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: 28.07 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004076.D

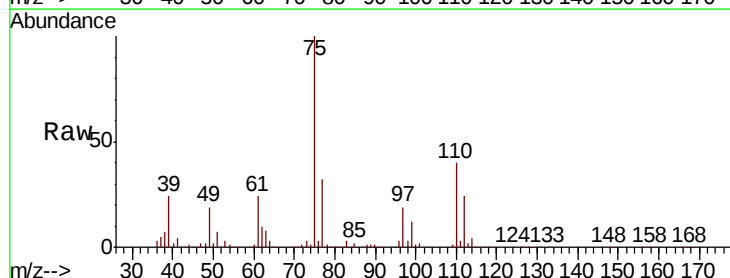
Acq: 15 Aug 2018 16:54

Tgt Ion: 75 Resp: 138211

Ion Ratio Lower Upper

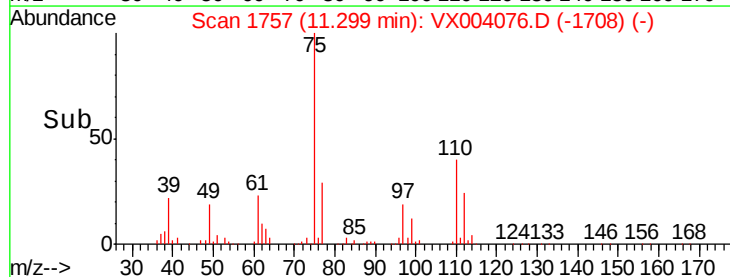
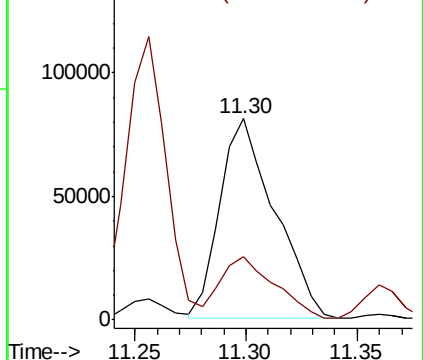
75 100

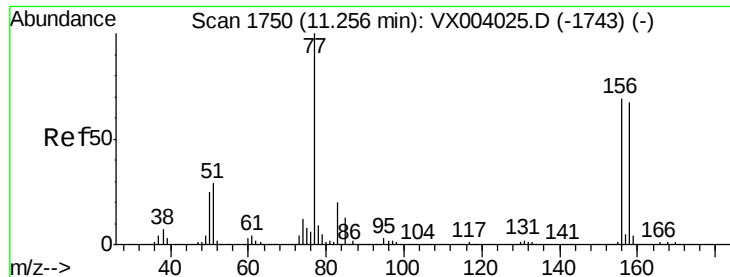
77 31.7 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.33 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

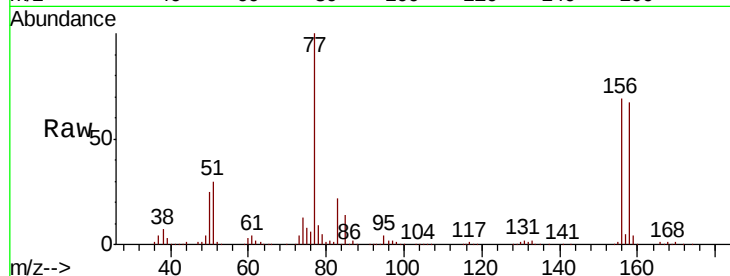
Tot Ion:156 Resp: 97705

Ion Ratio Lower Upper

156 100

77 149.2 74.1 222.2

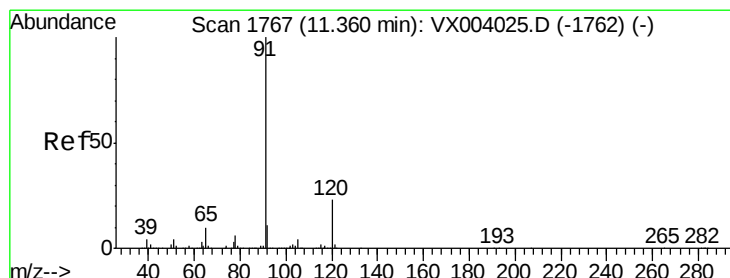
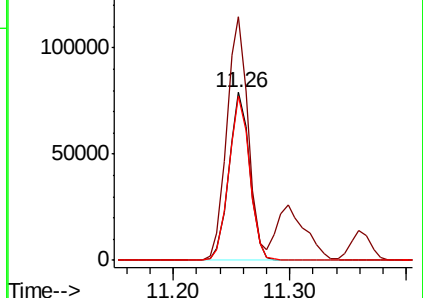
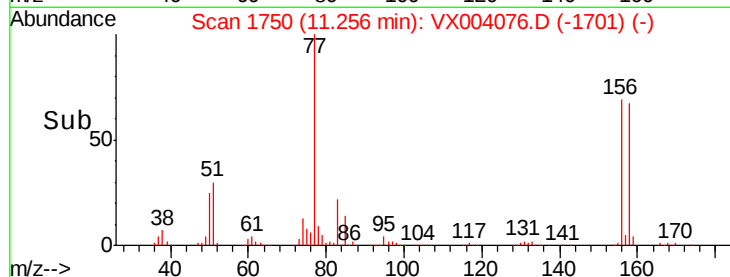
158 98.2 48.6 145.9



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: 22.83 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004076.D

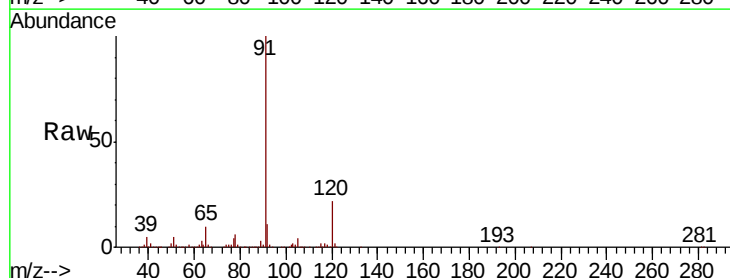
Acq: 15 Aug 2018 16:54

Tgt Ion: 91 Resp: 424423

Ion Ratio Lower Upper

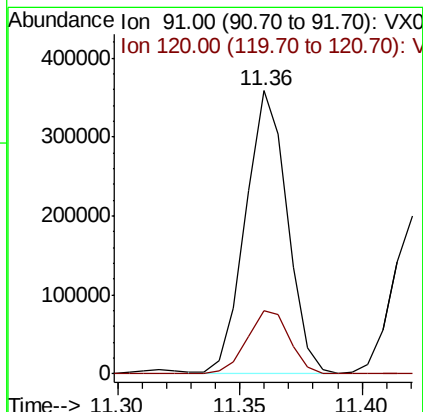
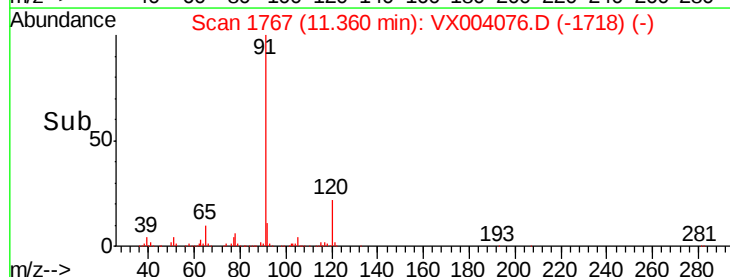
91 100

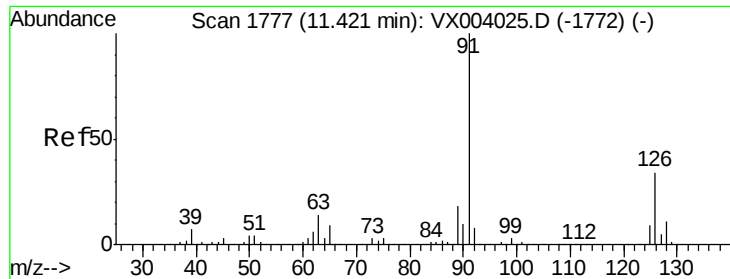
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

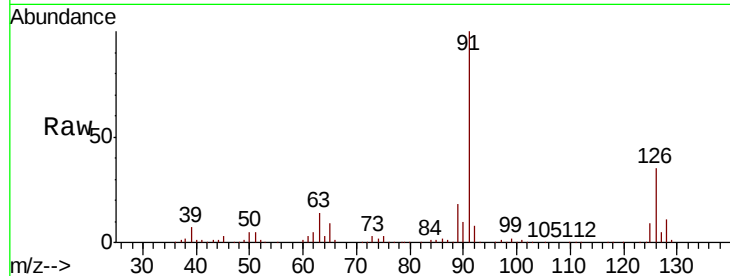




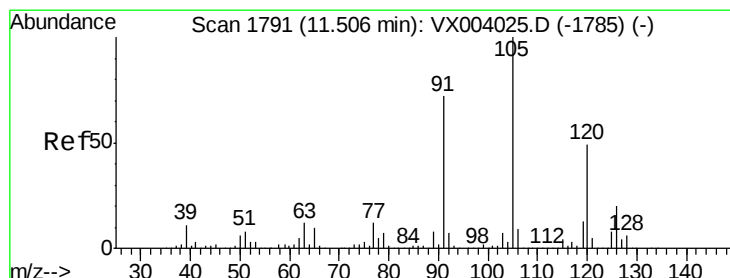
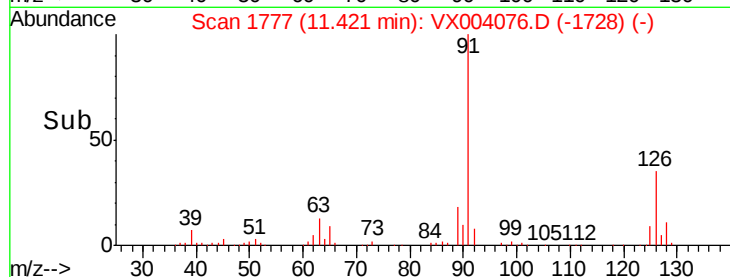
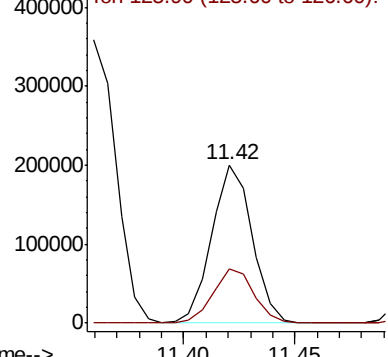
#79
 2-Chlorotoluene
 Concen: 22.28 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Tot Ion: 91 Resp: 252408
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.4 52.3

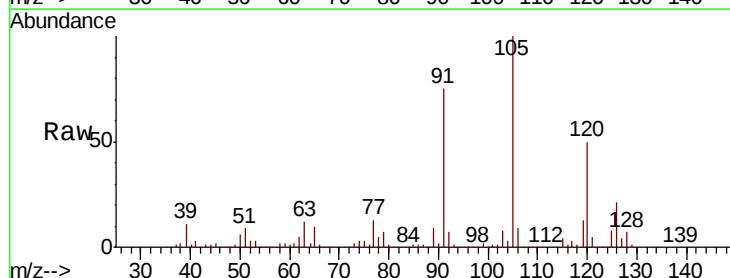


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

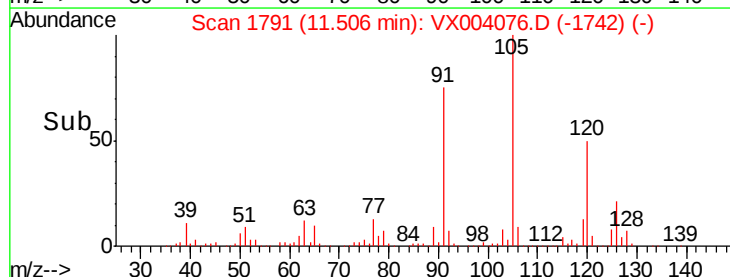
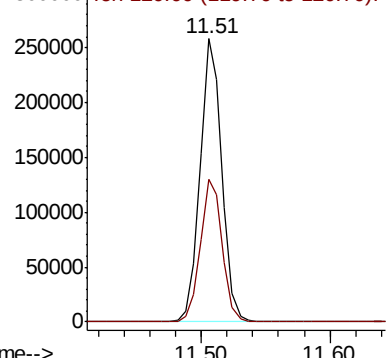


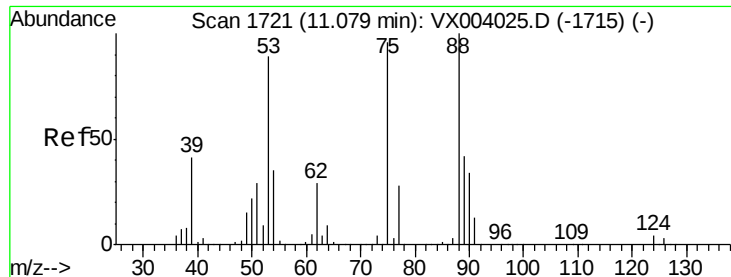
#80
 1,3,5-Trimethylbenzene
 Concen: 22.42 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion: 105 Resp: 304985
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.41 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

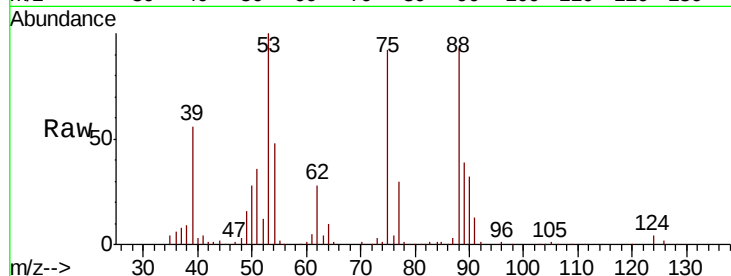
Tot Ion: 75 Resp: 32457

Ion Ratio Lower Upper

75 100

53 106.8 80.3 120.5

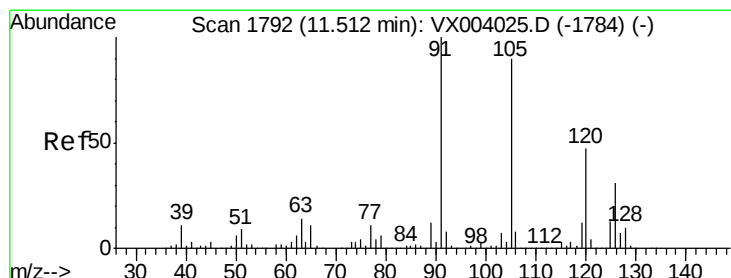
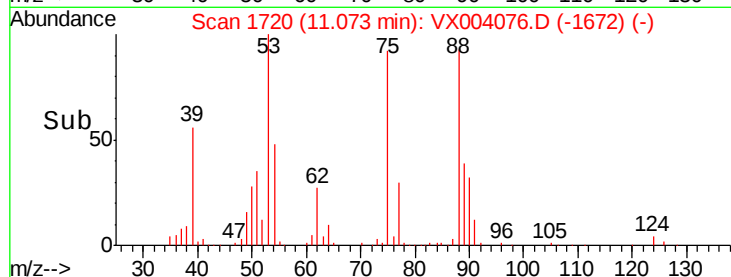
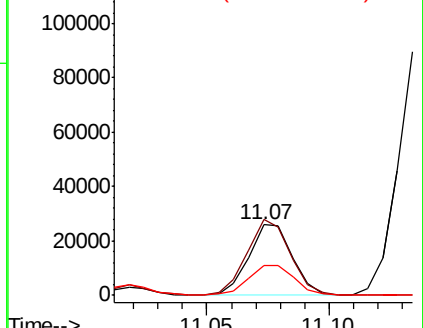
89 45.4 37.8 56.8



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: 22.15 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004076.D

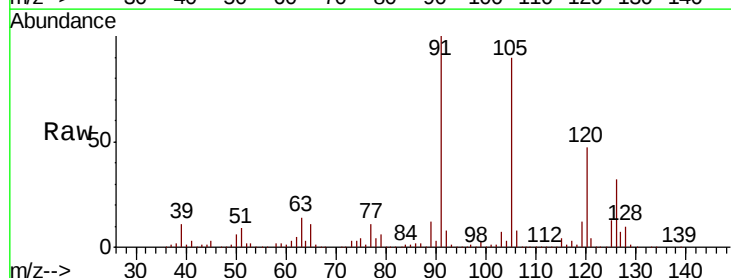
Acq: 15 Aug 2018 16:54

Tgt Ion: 91 Resp: 296649

Ion Ratio Lower Upper

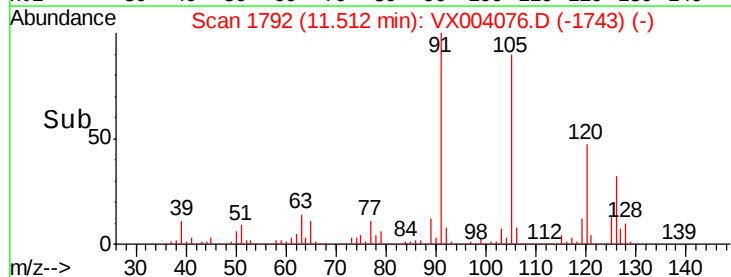
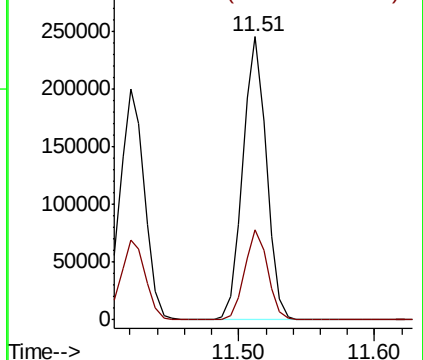
91 100

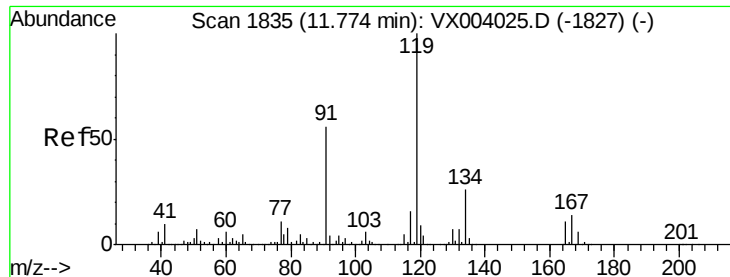
126 31.1 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

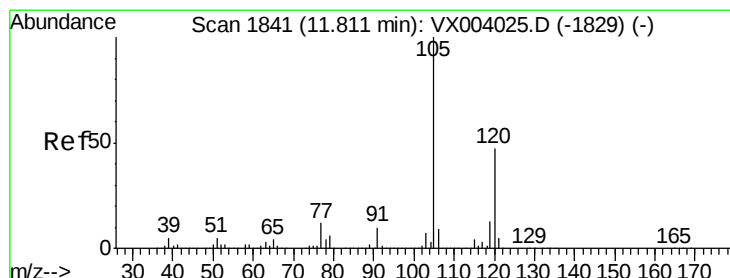
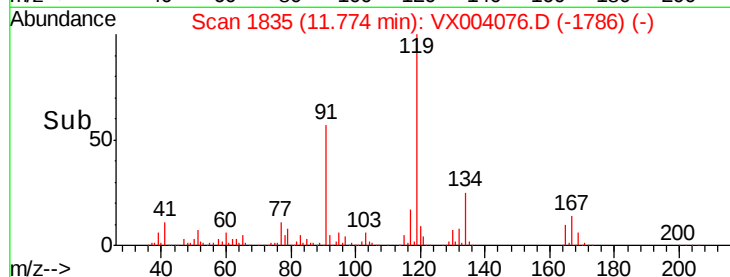
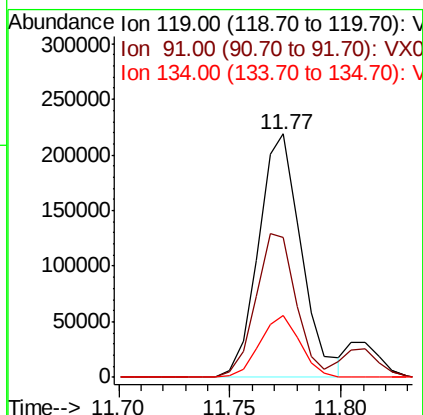
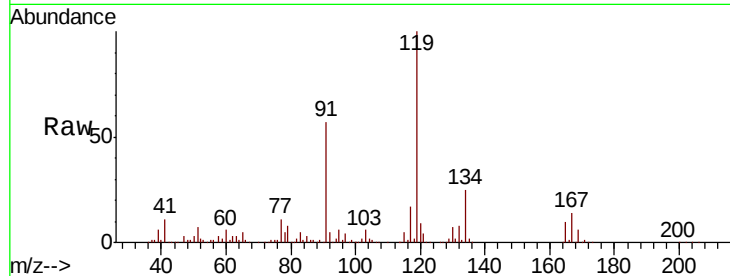




#83
tert-Butylbenzene
Concen: 21.29 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

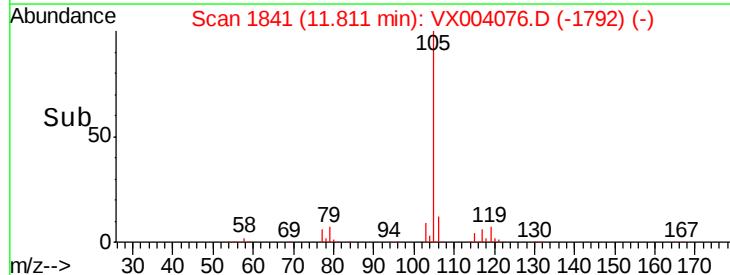
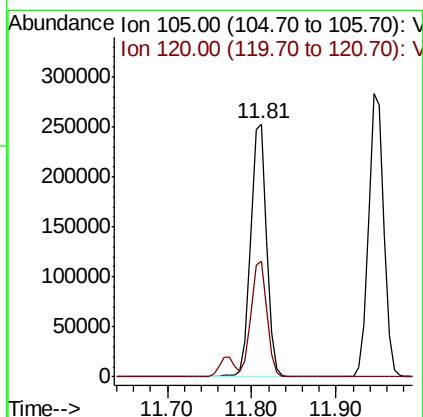
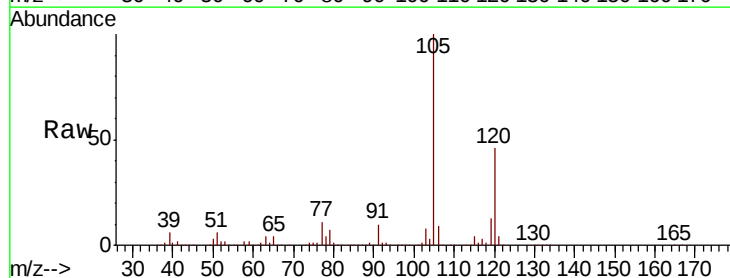
Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

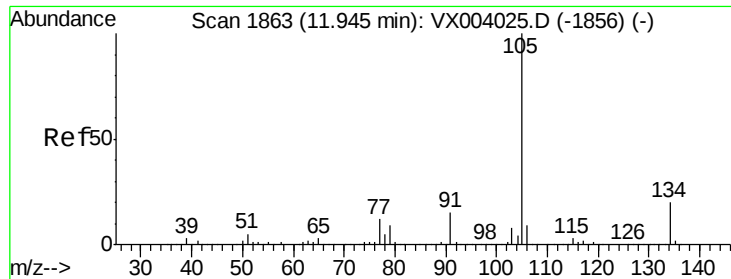
Tot Ion:119 Resp: 292044
Ion Ratio Lower Upper
119 100
91 56.1 26.9 80.7
134 24.0 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 22.47 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion:105 Resp: 316549
Ion Ratio Lower Upper
105 100
120 45.6 23.1 69.2

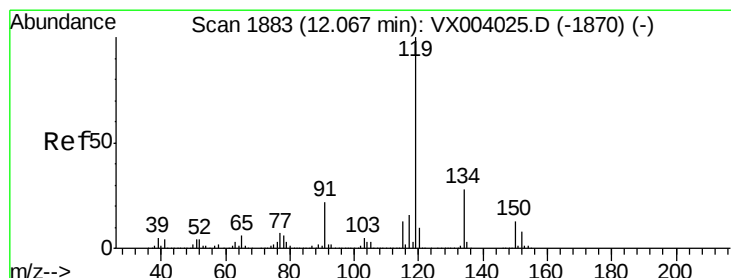
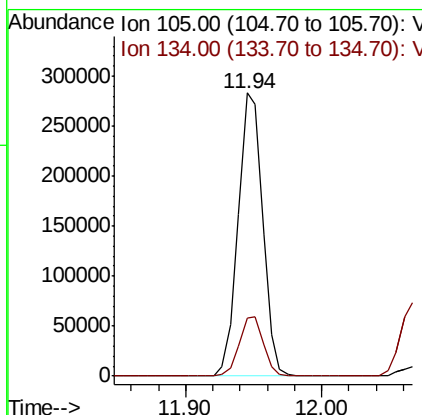
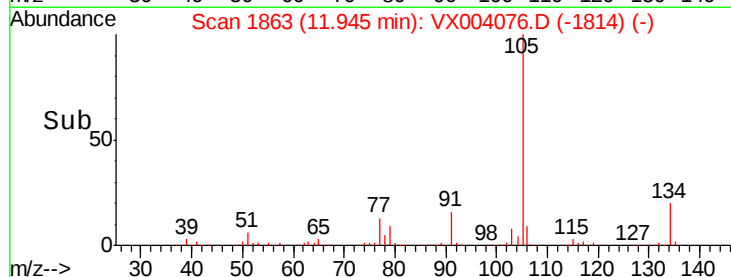
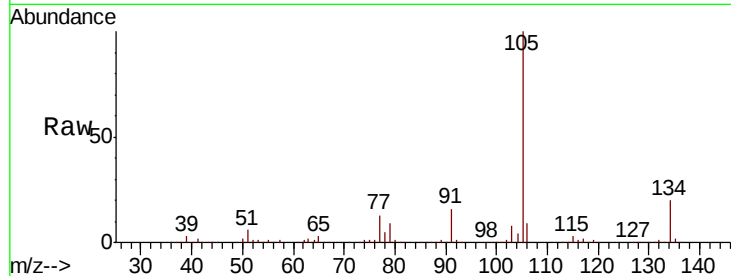




#85
 sec-Butylbenzene
 Concen: 22.14 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

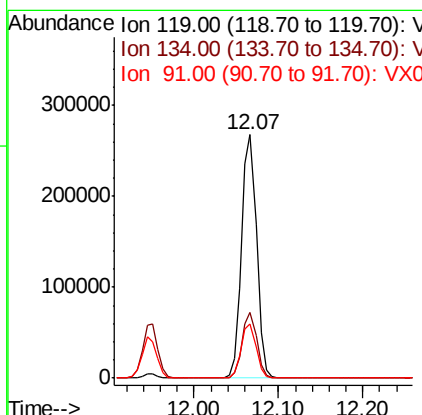
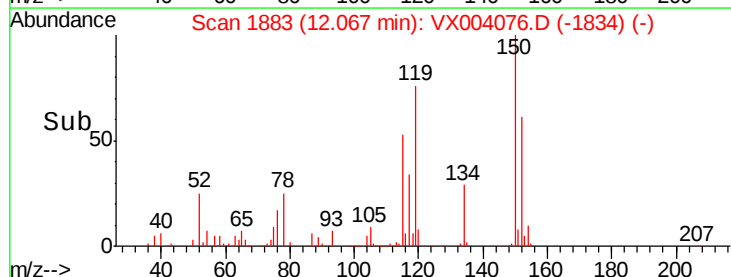
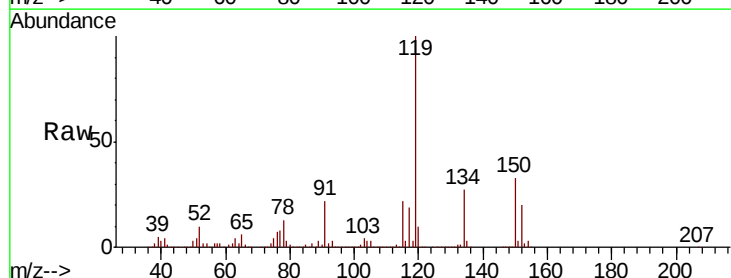
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

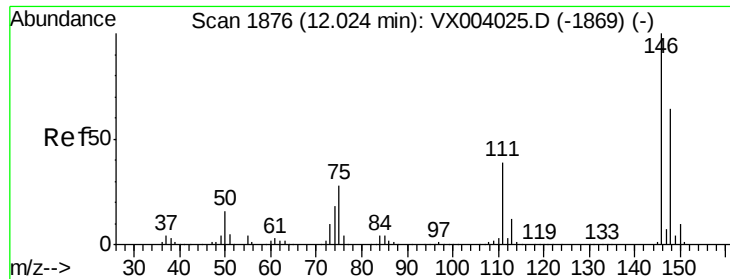
Tot Ion:105 Resp: 355374
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 21.72 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion:119 Resp: 315590
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 22.4 10.9 32.7

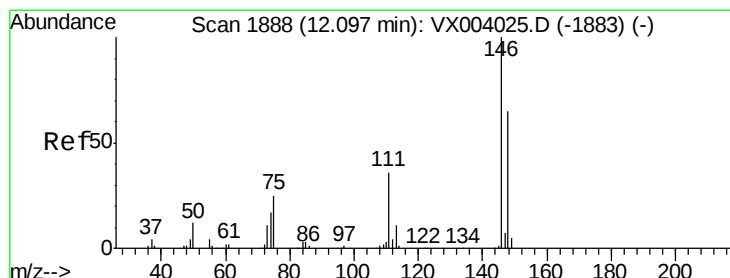
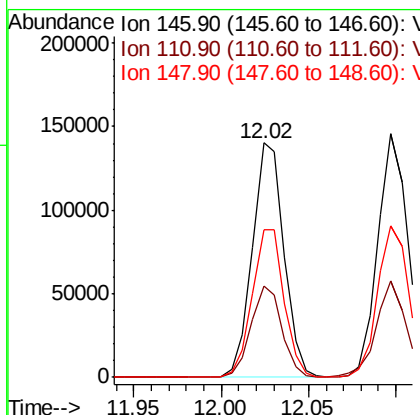
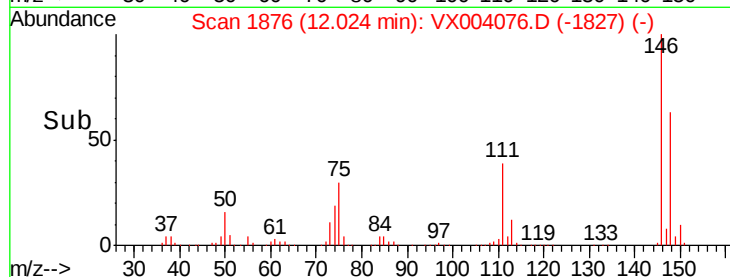
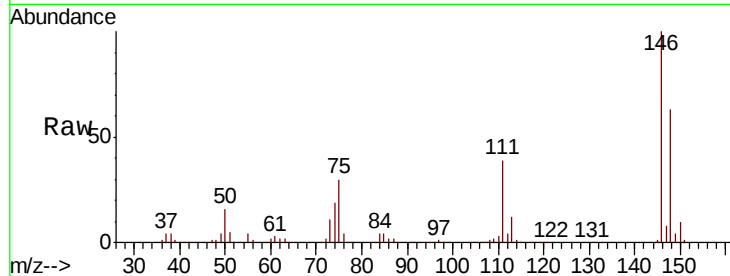




#87
 1,3-Dichlorobenzene
 Concen: 20.20 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

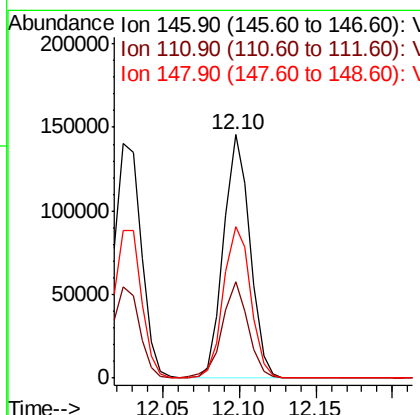
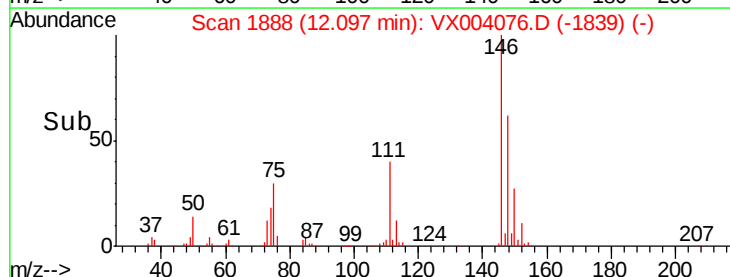
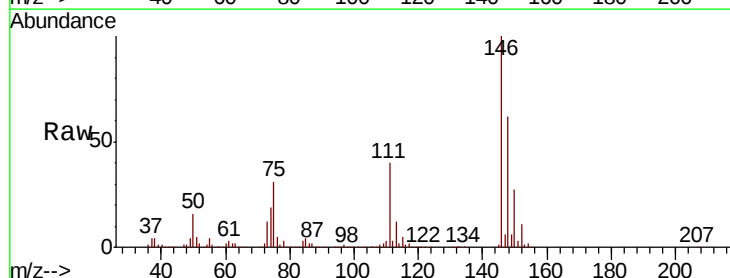
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

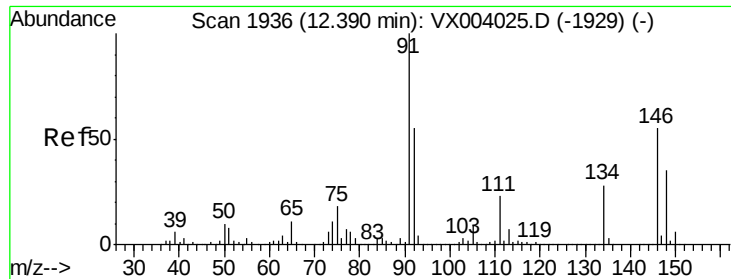
Tot Ion:146 Resp: 176402
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.8 56.4
 148 63.6 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.36 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion:146 Resp: 174061
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.4 55.0
 148 64.2 32.3 96.8

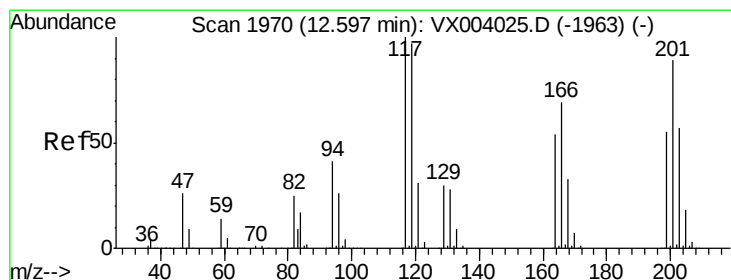
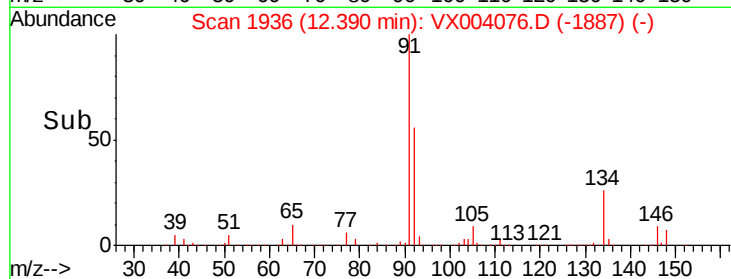
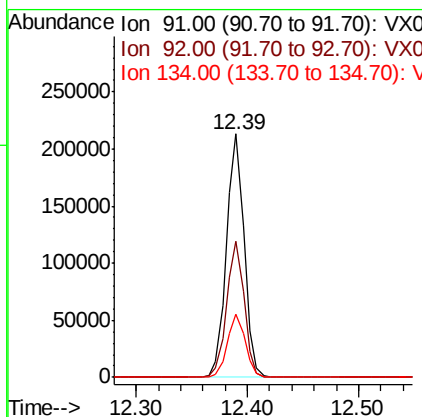
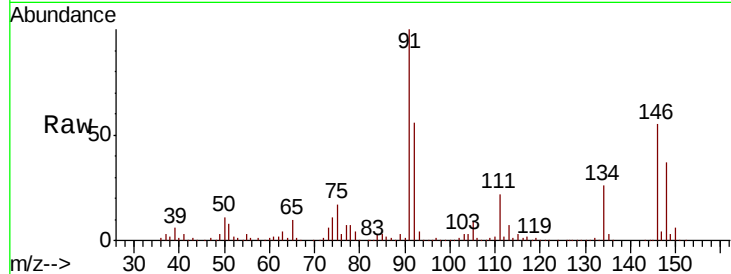




#89
n-Butylbenzene
Concen: 20.43 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

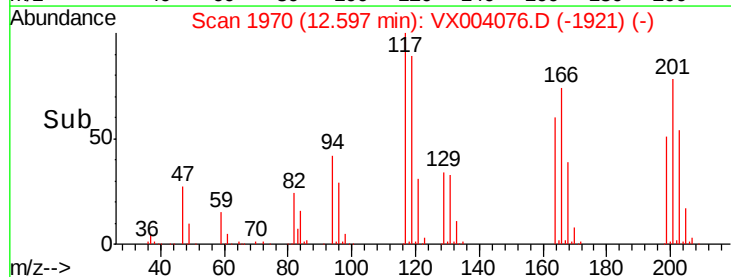
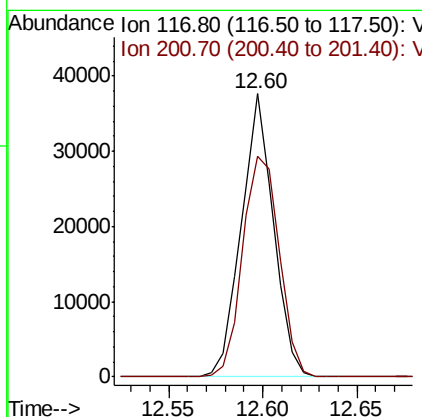
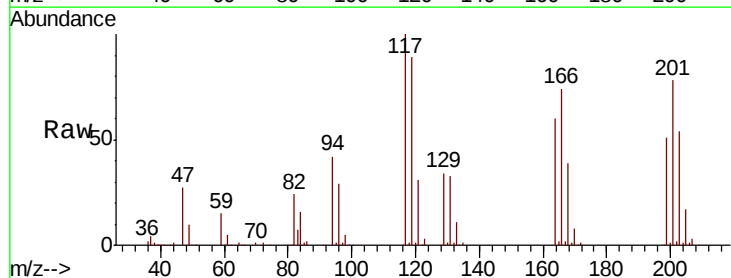
Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

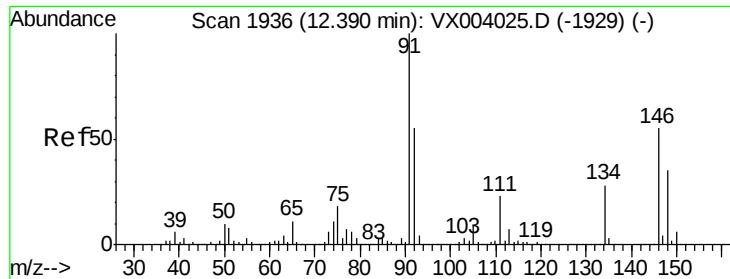
Tot Ion: 91 Resp: 233983
Ion Ratio Lower Upper
91 100
92 55.5 27.1 81.3
134 26.2 13.6 40.7



#90
Hexachloroethane
Concen: 20.48 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion: 117 Resp: 44541
Ion Ratio Lower Upper
117 100
201 89.2 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 19.97 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBSD01

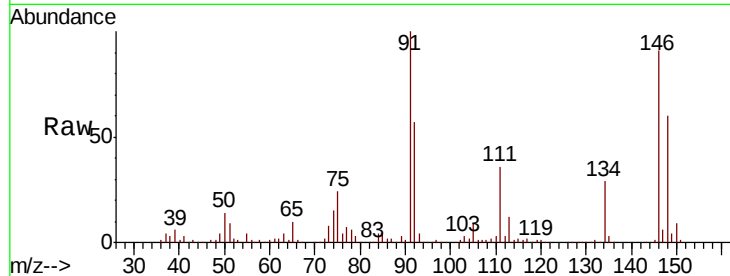
Tot Ion:146 Resp: 157295

Ion Ratio Lower Upper

146 100

111 39.6 19.7 59.0

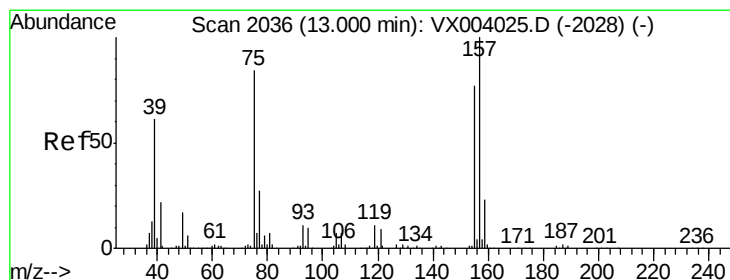
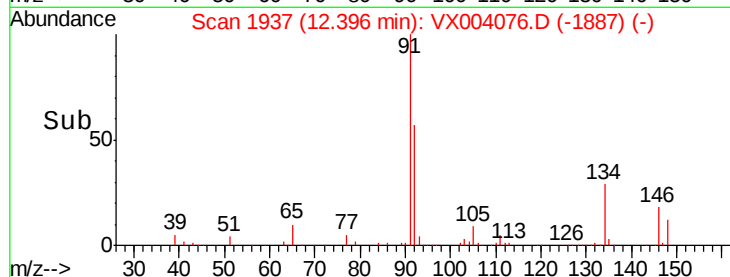
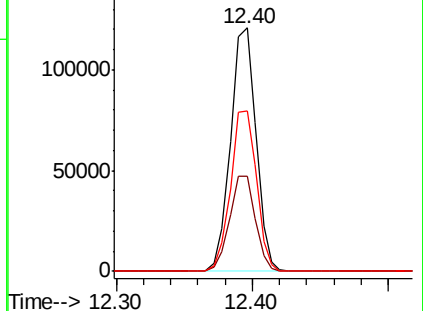
148 67.1 31.9 95.5



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: 20.78 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004076.D

Acq: 15 Aug 2018 16:54

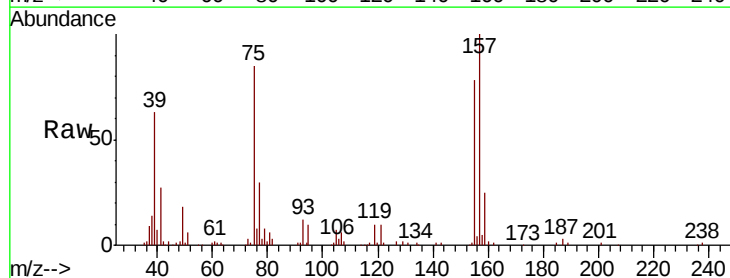
Tgt Ion: 75 Resp: 21186

Ion Ratio Lower Upper

75 100

155 96.1 48.7 146.1

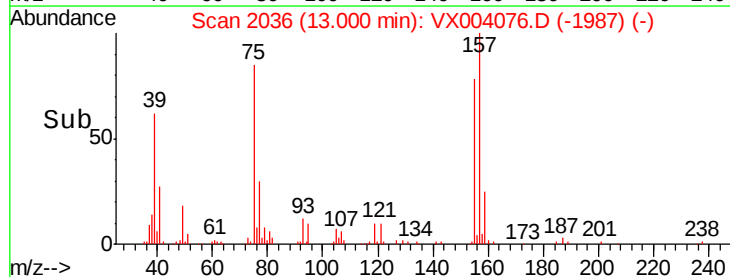
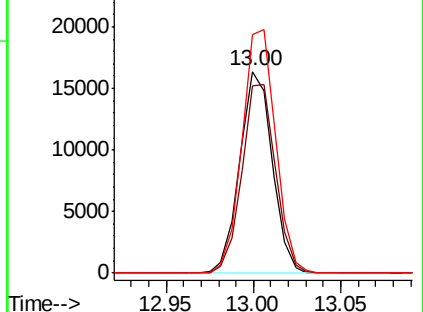
157 124.2 62.6 187.8

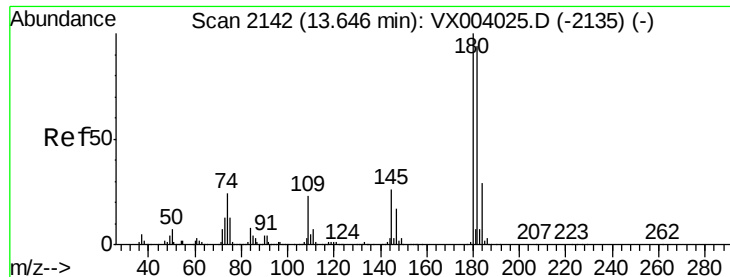


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

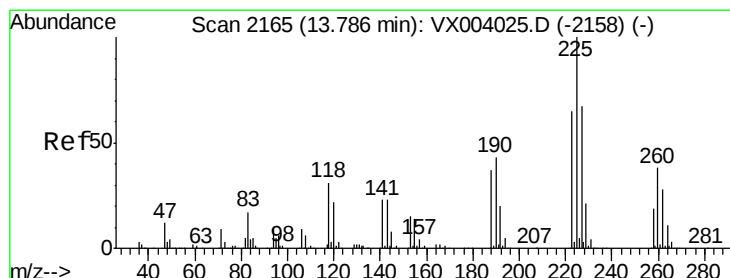
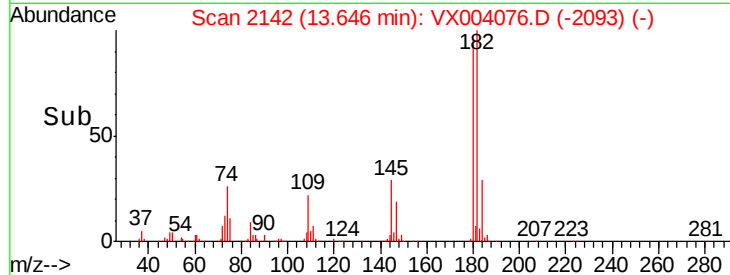
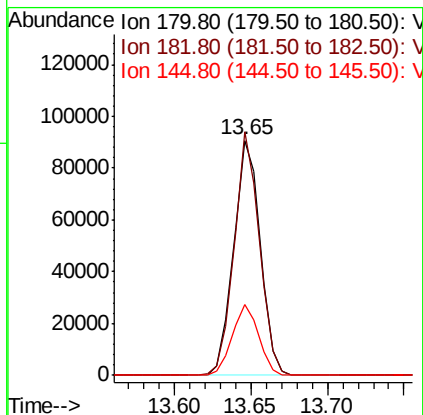
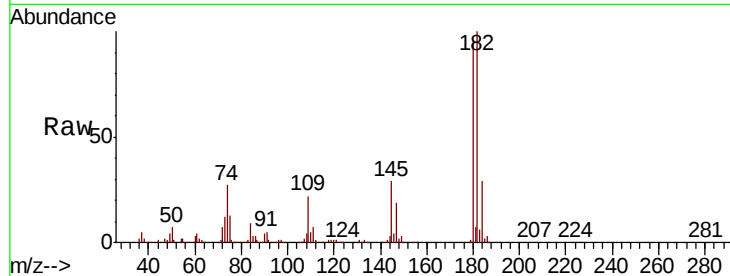




#93
 1,2,4-Trichlorobenzene
 Concen: 20.30 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

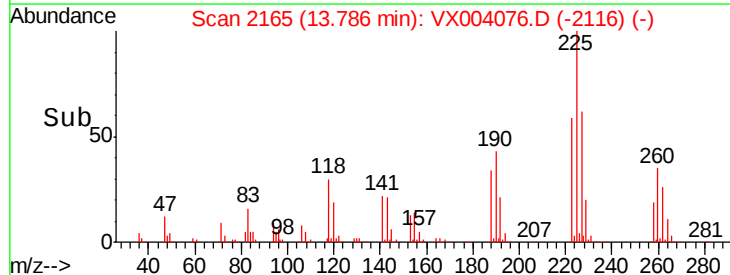
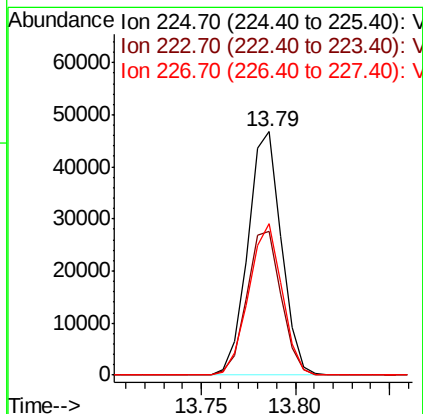
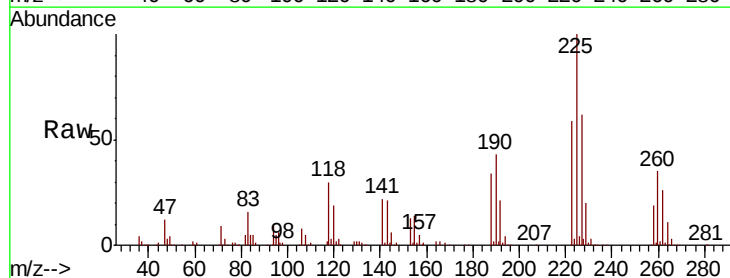
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

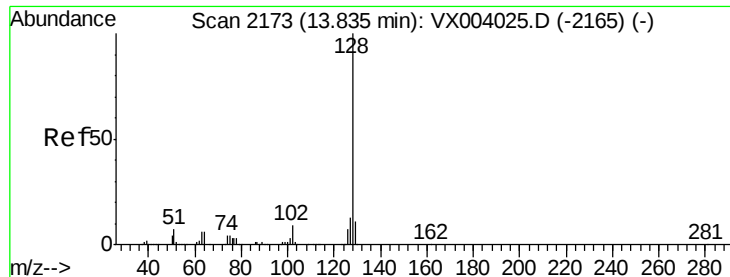
Tot Ion:180 Resp: 109335
 Ion Ratio Lower Upper
 180 100
 182 98.2 47.7 143.1
 145 29.7 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 21.29 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004076.D
 Acq: 15 Aug 2018 16:54

Tgt Ion:225 Resp: 57470
 Ion Ratio Lower Upper
 225 100
 223 60.7 31.4 94.0
 227 62.1 32.1 96.5

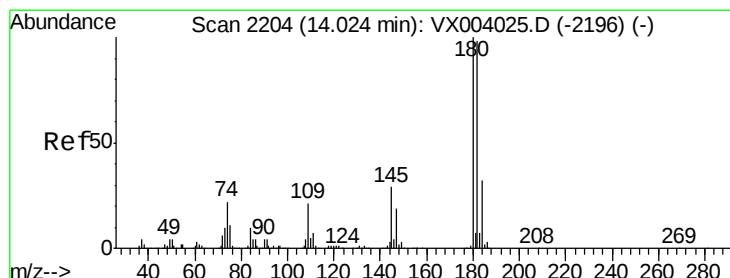
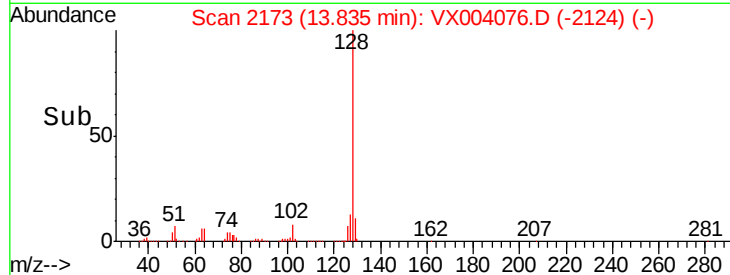
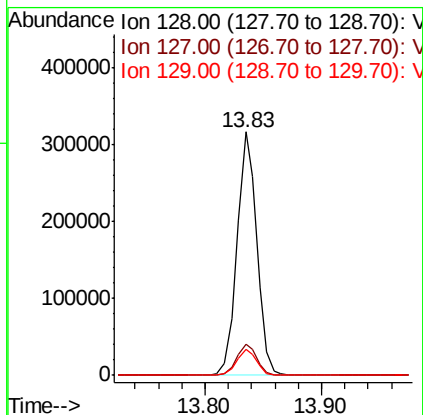
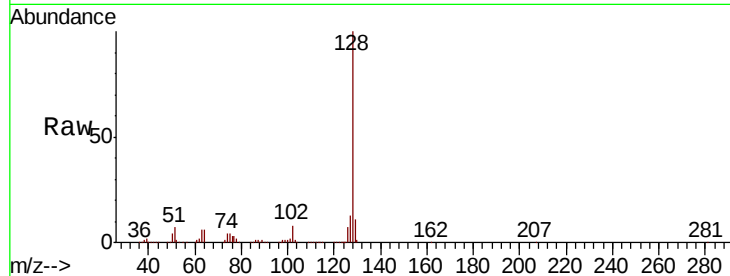




#95
Naphthalene
Concen: 22.42 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Tot Ion:128 Resp: 373845
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.48 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004076.D
Acq: 15 Aug 2018 16:54

Tgt Ion:180 Resp: 126133
Ion Ratio Lower Upper
180 100
182 96.7 48.1 144.4
145 30.0 14.9 44.7

