

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042718\
 Data File : VX001189.D
 Acq On : 28 Apr 2018 00:08
 Operator : JC/MD
 Sample : VX0427WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Quant Time: Apr 28 03:15:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	202083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	275947	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	263035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	177087	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	139301	44.47	ug/l	0.00
Spiked Amount			Recovery	=	88.94%	
35) Dibromofluoromethane	5.51	113	112482	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	8.72	98	421008	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.14	95	159942	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	43604	20.575	ug/l	99
3) Chloromethane	1.32	50	42351	19.082	ug/l	99
4) Vinyl Chloride	1.40	62	47617	20.221	ug/l	95
5) Bromomethane	1.64	94	37288	24.756	ug/l	97
6) Chloroethane	1.73	64	29475	19.886	ug/l	99
7) Trichlorofluoromethane	1.93	101	82315	21.644	ug/l	99
8) Diethyl Ether	2.19	74	28195	19.282	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	44363	21.171	ug/l	99
10) Methyl Iodide	2.51	142	32874	20.144	ug/l	99
11) Tert butyl alcohol	3.07	59	57946	93.804	ug/l	98
12) 1,1-Dichloroethene	2.38	96	41343	20.231	ug/l	99
13) Acrolein	2.30	56	15836	67.812	ug/l	98
14) Allyl chloride	2.73	41	74712	20.041	ug/l	98
15) Acrylonitrile	3.15	53	122265	92.686	ug/l	100
16) Acetone	2.45	43	113094	87.794	ug/l	99
17) Carbon Disulfide	2.57	76	99922	19.163	ug/l	100
18) Methyl Acetate	2.78	43	63195	19.605	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	148837	19.785	ug/l	100
20) Methylene Chloride	2.86	84	46820	19.515	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	45018	19.928	ug/l	98
22) Diisopropyl ether	3.88	45	141519	18.973	ug/l	95
23) Vinyl Acetate	3.83	43	608705	96.195	ug/l	99
24) 1,1-Dichloroethane	3.70	63	78097	19.922	ug/l	99
25) 2-Butanone	4.71	43	169196	87.782	ug/l	100
26) 2,2-Dichloropropane	4.59	77	51420	16.664	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	48680	19.681	ug/l	99
28) Bromochloromethane	5.03	49	35484	20.187	ug/l	98
29) Tetrahydrofuran	5.17	42	108902	87.876	ug/l	99
30) Chloroform	5.22	83	84799	20.341	ug/l	97
31) Cyclohexane	5.58	56	67744	20.340	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	72590	20.171	ug/l	98
36) 1,1-Dichloropropene	5.81	75	60808	19.997	ug/l	99
37) Ethyl Acetate	4.87	43	66587	18.285	ug/l	100
38) Carbon Tetrachloride	5.79	117	63801	20.462	ug/l	98

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 ClientSampleId :
 VX0427WBSD02

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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	69193	20.560	ug/l	99
40) Benzene	6.15	78	182760	20.776	ug/l	99
41) Methacrylonitrile	5.07	41	37978	18.560	ug/l	99
42) 1,2-Dichloroethane	6.21	62	71927	20.291	ug/l	99
43) Isopropyl Acetate	6.48	43	106459	18.615	ug/l	99
44) Trichloroethene	7.22	130	55121	21.034	ug/l	97
45) 1,2-Dichloropropane	7.53	63	46052	19.905	ug/l	98
46) Dibromomethane	7.67	93	33095	20.657	ug/l	99
47) Bromodichloromethane	7.91	83	58321	20.035	ug/l	99
48) Methyl methacrylate	7.79	41	56594	18.617	ug/l	99
49) 1,4-Dioxane	7.76	88	22283	366.126	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	354870	94.463	ug/l	97
52) Toluene	8.79	92	119852	20.835	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	65808	19.447	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	60058	18.493	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	48456	19.910	ug/l	95
56) Ethyl methacrylate	9.19	69	68213	18.917	ug/l	98
57) 1,3-Dichloropropane	9.38	76	80229	20.377	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	159989	93.852	ug/l	99
59) 2-Hexanone	9.51	43	267171	90.768	ug/l	99
60) Dibromochloromethane	9.59	129	49191	19.491	ug/l	100
61) 1,2-Dibromoethane	9.68	107	51971	20.383	ug/l	99
64) Tetrachloroethene	9.34	164	62133	22.130	ug/l	99
65) Chlorobenzene	10.15	112	140882	20.443	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	49000	20.551	ug/l	99
67) Ethyl Benzene	10.26	91	232100	20.729	ug/l	97
68) m/p-Xylenes	10.37	106	182268	41.176	ug/l	98
69) o-Xylene	10.71	106	89713	20.895	ug/l	100
70) Styrene	10.72	104	145574	20.373	ug/l	100
71) Bromoform	10.87	173	37575	18.450	ug/l #	100
73) Isopropylbenzene	11.02	105	239714	20.768	ug/l	100
74) N-amyl acetate	6.48	43	106459	18.304	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	72870	19.028	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	77489	21.489	ug/l	89
77) Bromobenzene	11.26	156	70297	20.538	ug/l	98
78) n-propylbenzene	11.37	91	268199	20.838	ug/l	100
79) 2-Chlorotoluene	11.43	91	161252	20.211	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	204036	20.879	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	13995	16.224	ug/l	88
82) 4-Chlorotoluene	11.52	91	194979	20.561	ug/l	100
83) tert-Butylbenzene	11.77	119	196912	20.191	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	210422	20.949	ug/l	100
85) sec-Butylbenzene	11.95	105	240957	21.151	ug/l	100
86) p-Isopropyltoluene	12.07	119	219709	20.732	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	124594	20.276	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	129628	20.247	ug/l	100
89) n-Butylbenzene	12.40	91	183664	20.024	ug/l	100
90) Hexachloroethane	12.60	117	29610	19.521	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	125938	20.278	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	14805	17.518	ug/l	96

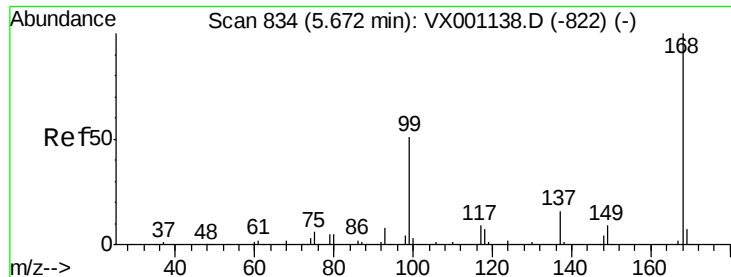
Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042718\
Data File : VX001189.D
Acq On : 28 Apr 2018 00:08
Operator : JC/MD
Sample : VX0427WBSD02
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Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Quant Time: Apr 28 03:15:54 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 27 01:51:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	96536	19.828	ug/l	100
94) Hexachlorobutadiene	13.79	225	46086	20.137	ug/l	99
95) Naphthalene	13.84	128	265705	19.587	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	97995	20.226	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

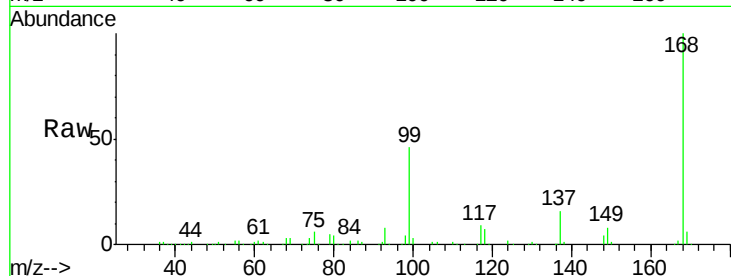
VX0427WBSD02

Tgt Ion:168 Resp: 202083

Ion Ratio Lower Upper

168 100

99 45.8 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

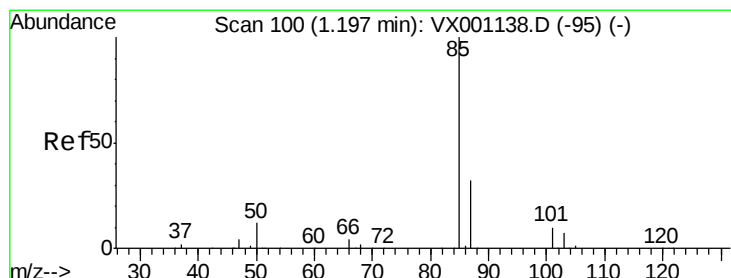
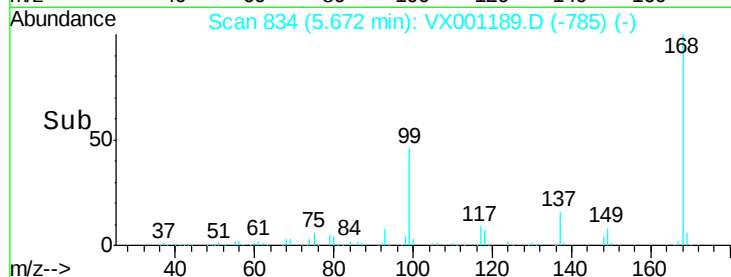
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 20.575 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001189.D

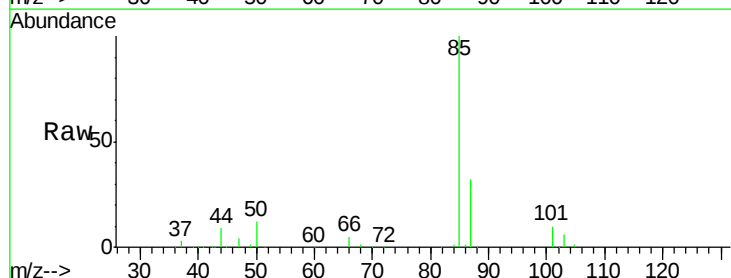
Acq: 28 Apr 2018 00:08

Tgt Ion: 85 Resp: 43604

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

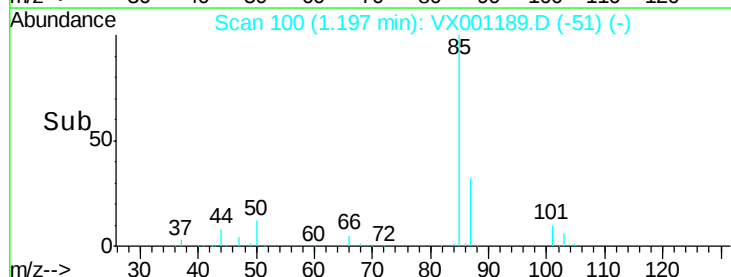
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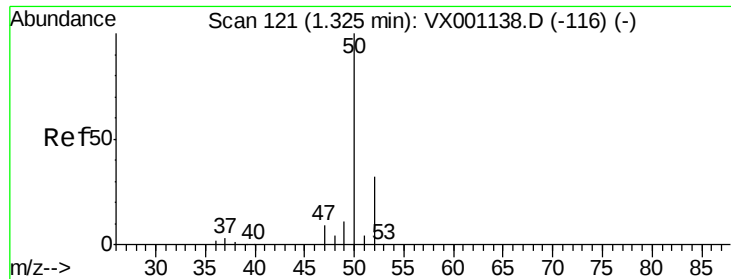
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1.15 1.20 1.25 1.30

Time-->

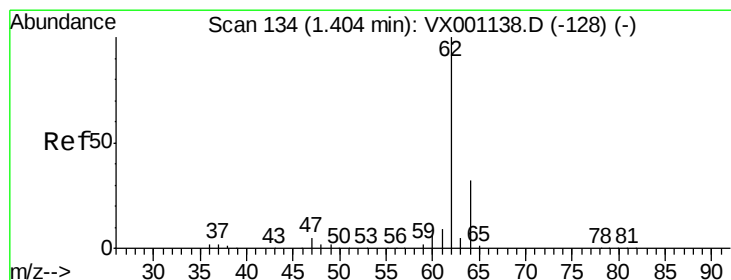
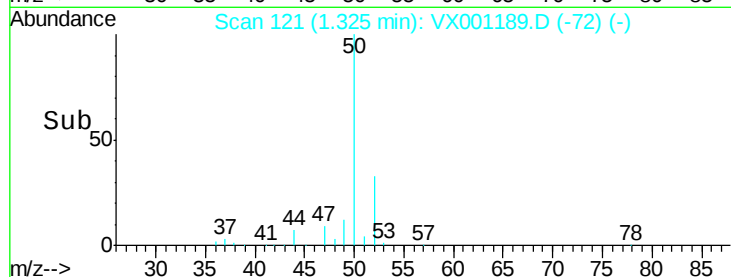
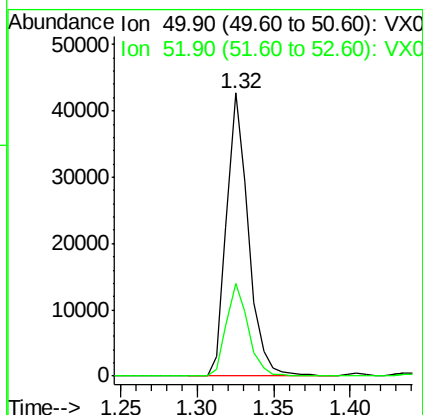
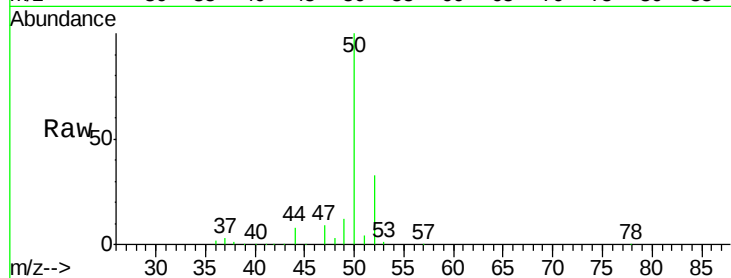




#3
Chloromethane
Concen: 19.082 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

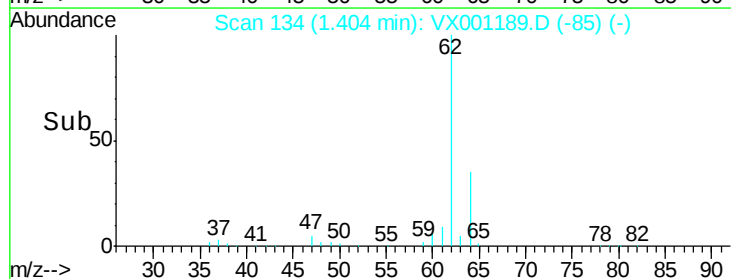
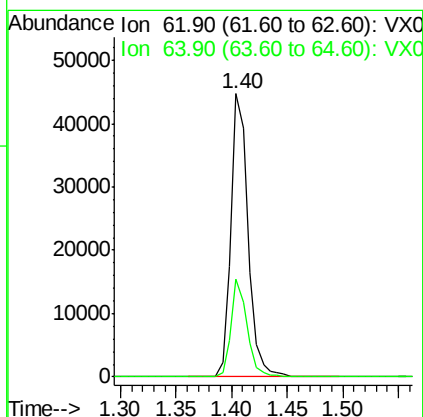
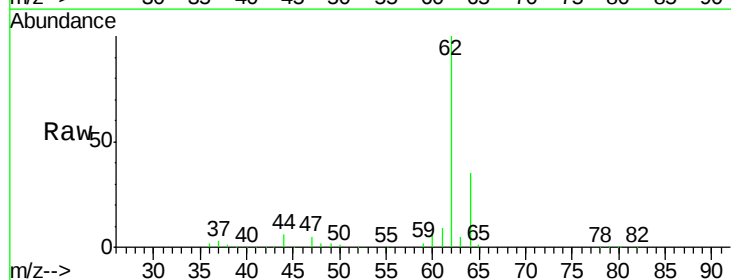
Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tgt Ion: 50 Resp: 42351
Ion Ratio Lower Upper
50 100
52 32.8 25.9 38.9



#4
Vinyl Chloride
Concen: 20.221 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion: 62 Resp: 47617
Ion Ratio Lower Upper
62 100
64 34.5 25.6 38.4





#5

Bromomethane

Concen: 24.756 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

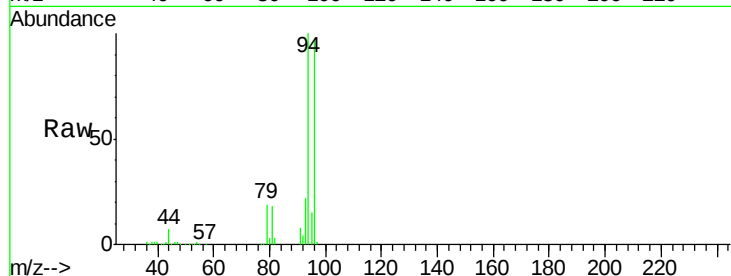
VX0427WBSD02

Tgt Ion: 94 Resp: 37288

Ion Ratio Lower Upper

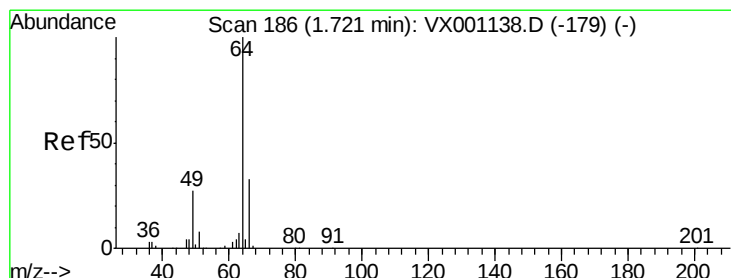
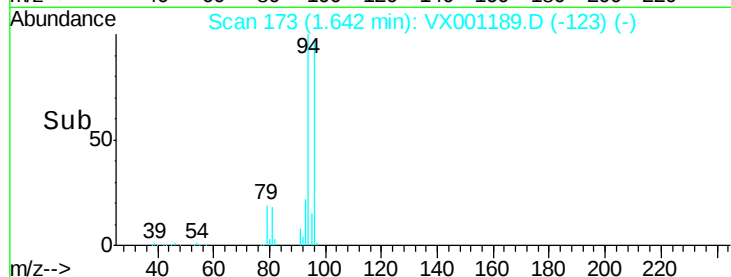
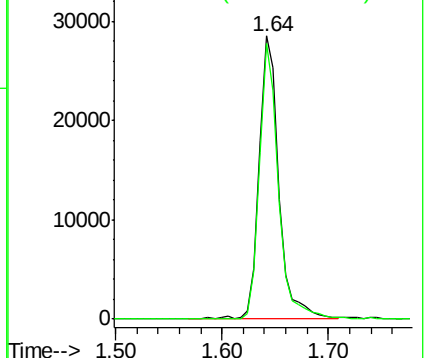
94 100

96 97.2 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.886 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001189.D

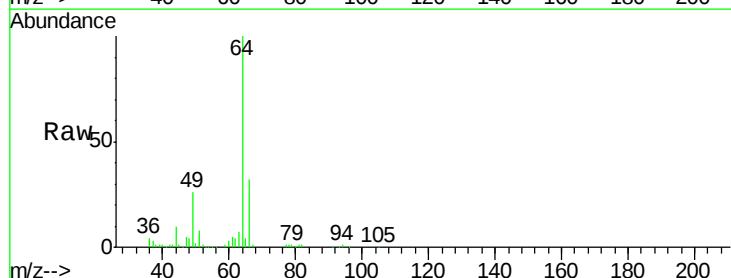
Acq: 28 Apr 2018 00:08

Tgt Ion: 64 Resp: 29475

Ion Ratio Lower Upper

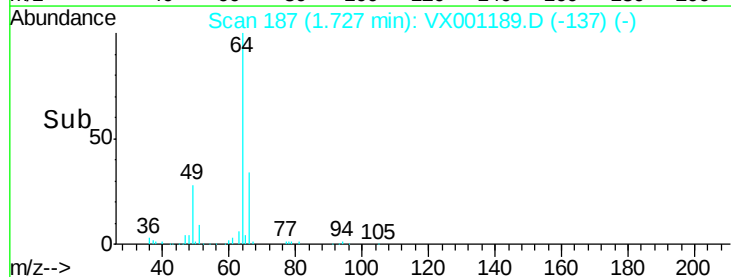
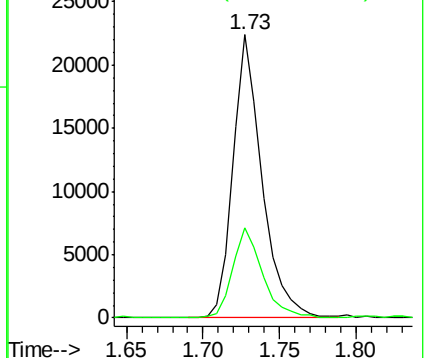
64 100

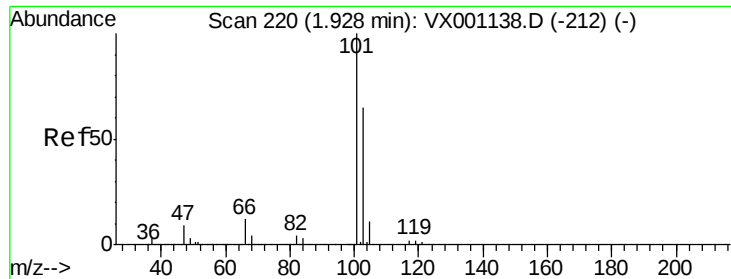
66 31.8 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



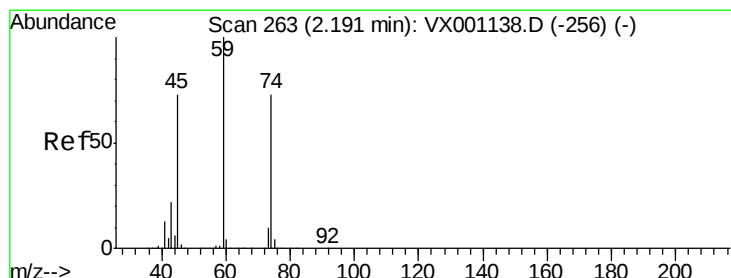
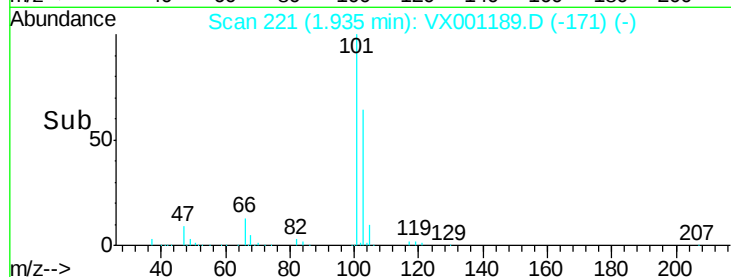
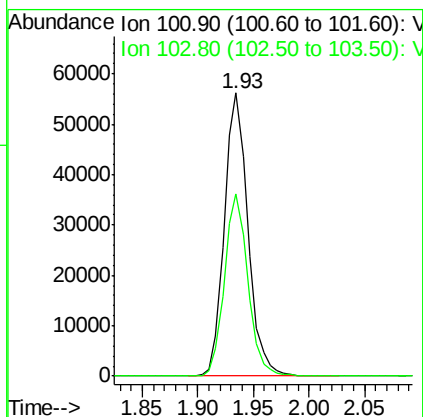
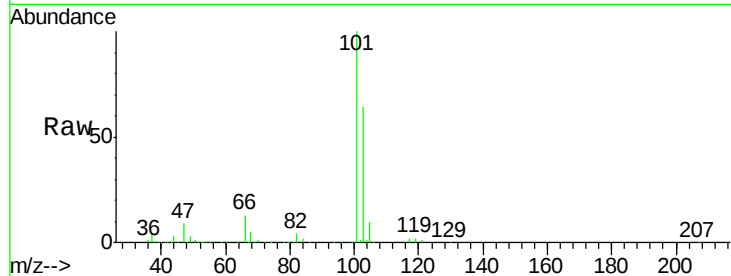


#7

Trichlorofluoromethane
Concen: 21.644 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

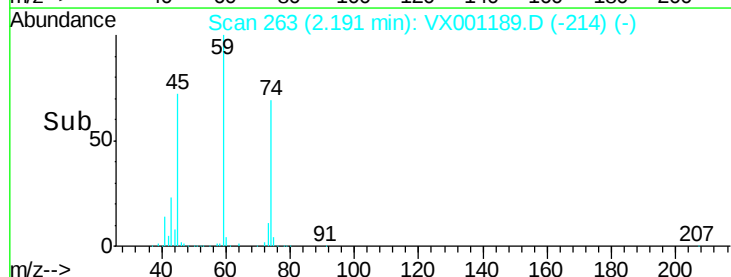
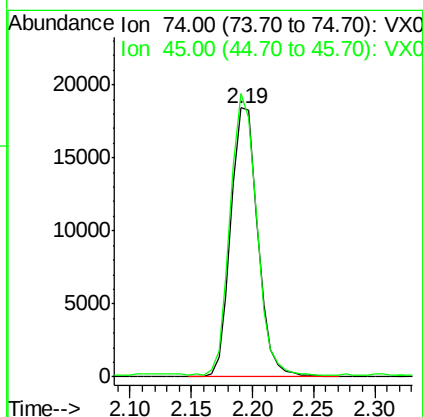
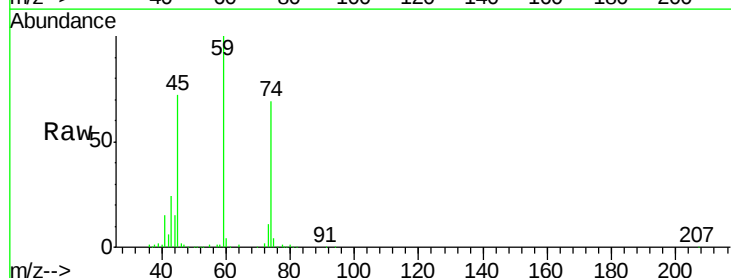
Tgt Ion:101 Resp: 82315
Ion Ratio Lower Upper
101 100
103 64.5 51.9 77.9

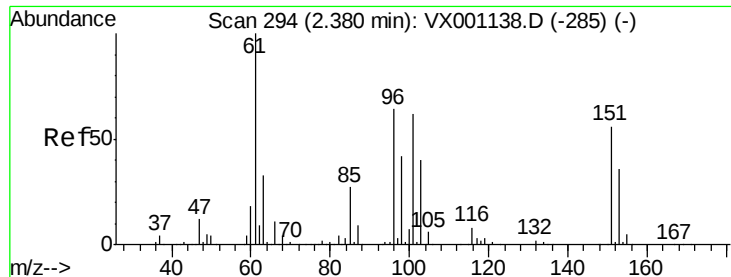


#8

Diethyl Ether
Concen: 19.282 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion: 74 Resp: 28195
Ion Ratio Lower Upper
74 100
45 101.9 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.171 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

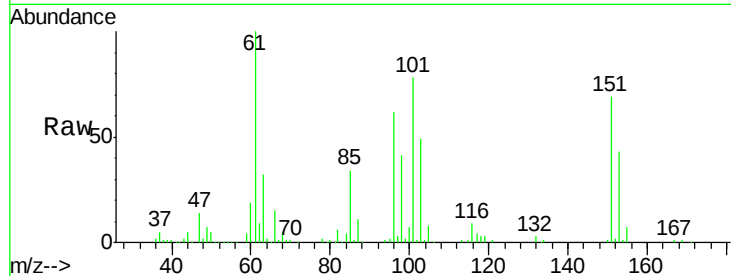
Tgt Ion:101 Resp: 44363

Ion Ratio Lower Upper

101 100

85 45.4 35.4 53.0

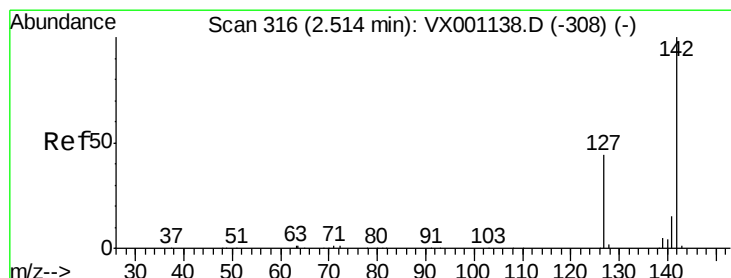
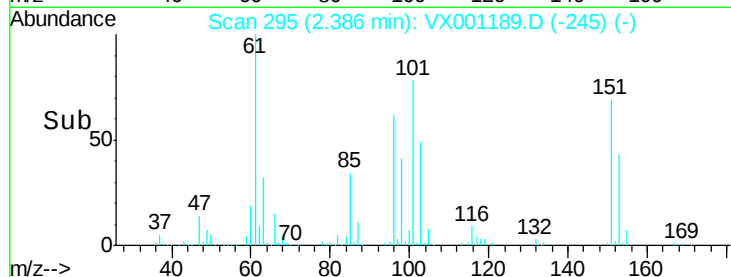
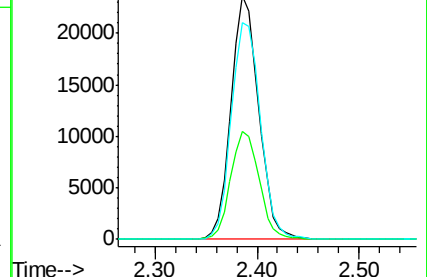
151 93.7 74.2 111.4



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: 20.144 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

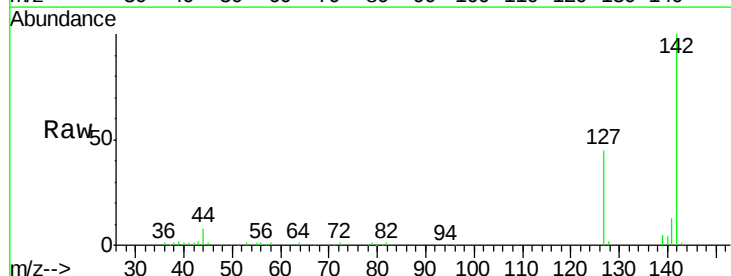
Tgt Ion:142 Resp: 32874

Ion Ratio Lower Upper

142 100

127 43.8 34.7 52.1

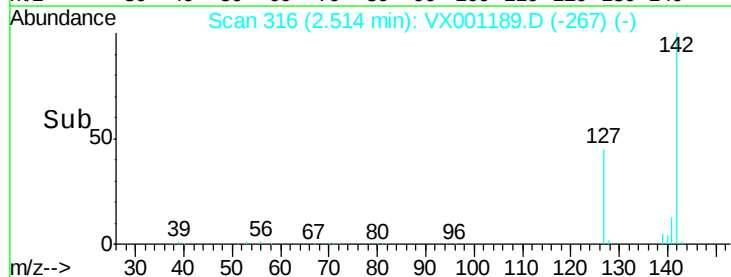
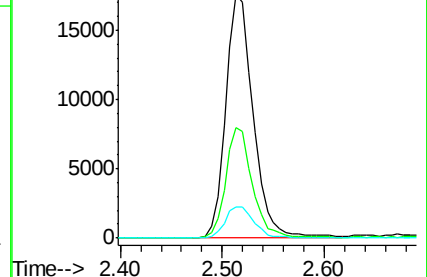
141 13.4 11.6 17.4

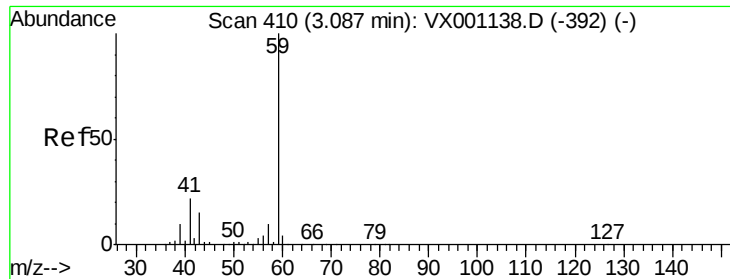


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



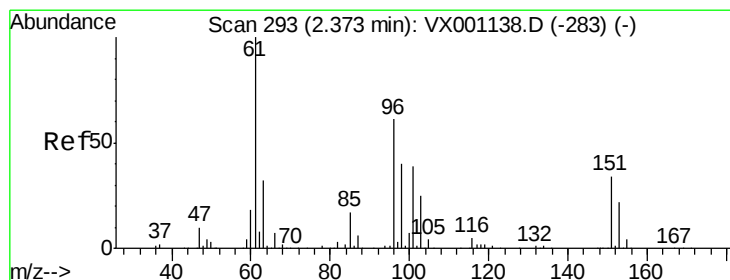
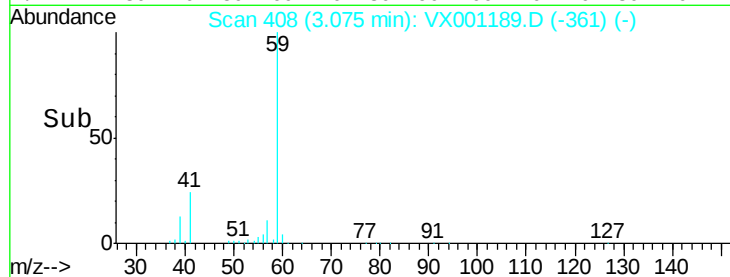
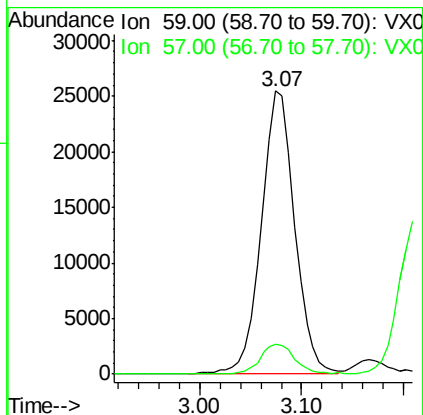
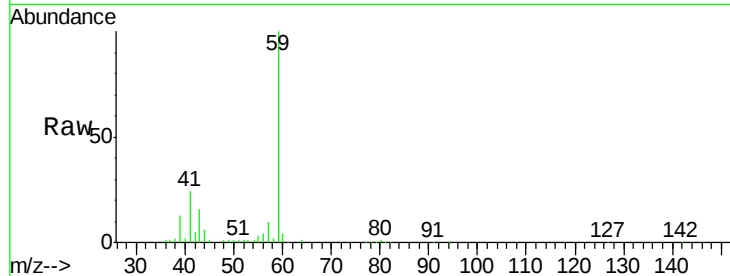


#11

Tert butyl alcohol
 Concen: 93.804 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

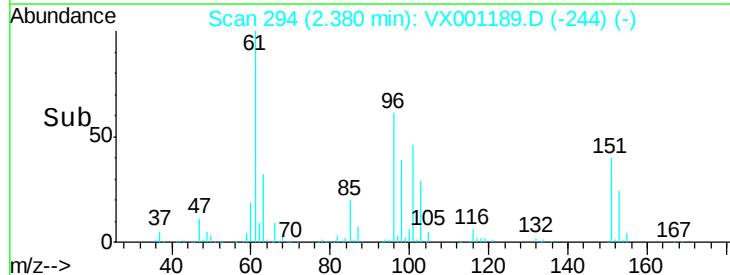
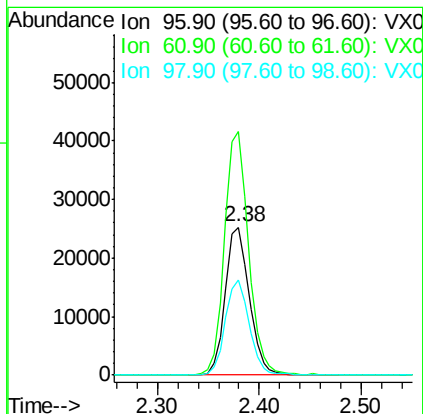
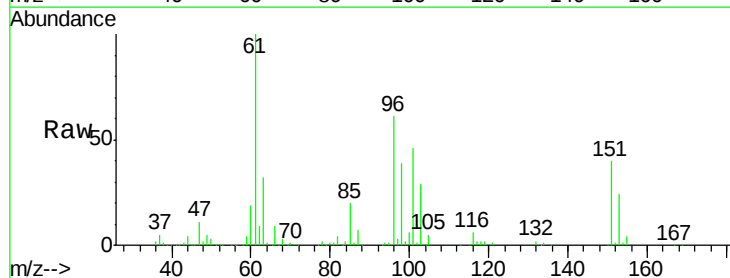
Tgt Ion: 59 Resp: 57946
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.2 12.4

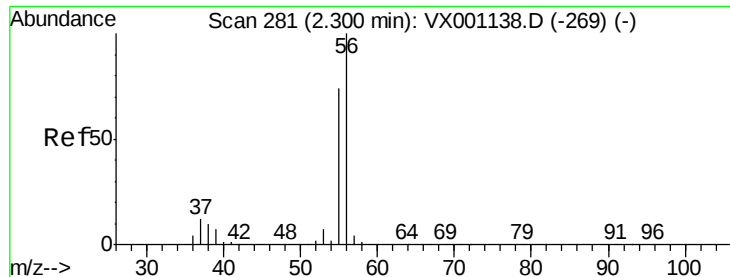


#12

1,1-Dichloroethene
 Concen: 20.231 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion: 96 Resp: 41343
 Ion Ratio Lower Upper
 96 100
 61 165.0 130.2 195.4
 98 64.1 51.5 77.3





#13

Acrolein

Concen: 67.812 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

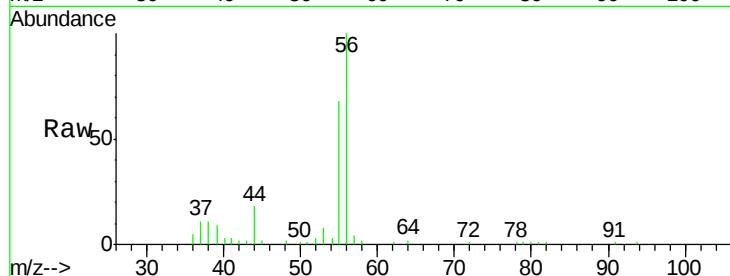
VX0427WBSD02

Tgt Ion: 56 Resp: 15836

Ion Ratio Lower Upper

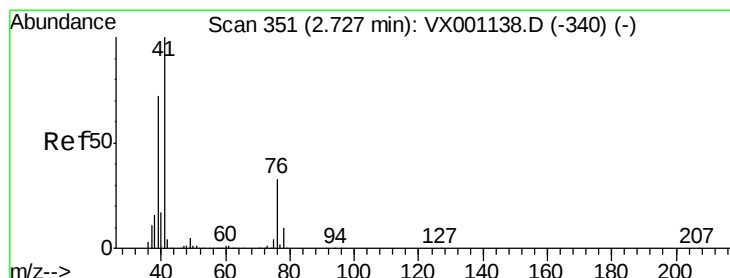
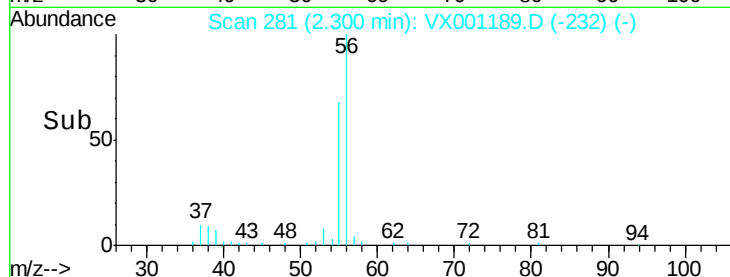
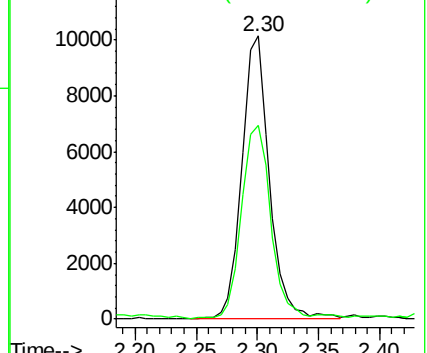
56 100

55 73.0 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.041 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

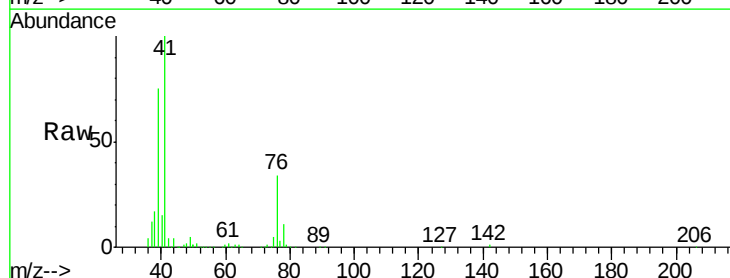
Tgt Ion: 41 Resp: 74712

Ion Ratio Lower Upper

41 100

39 71.3 55.6 83.4

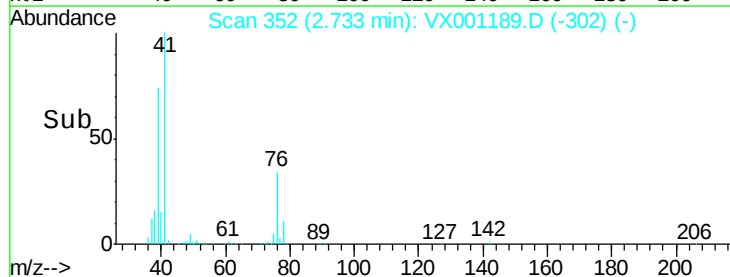
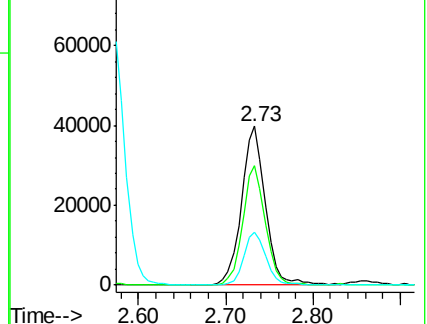
76 31.2 24.8 37.2

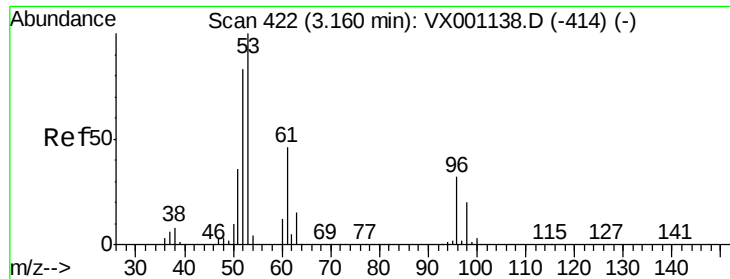


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 92.686 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

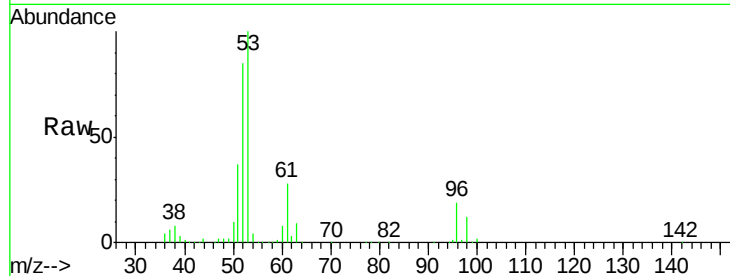
Tgt Ion: 53 Resp: 122265

Ion Ratio Lower Upper

53 100

52 83.2 66.5 99.7

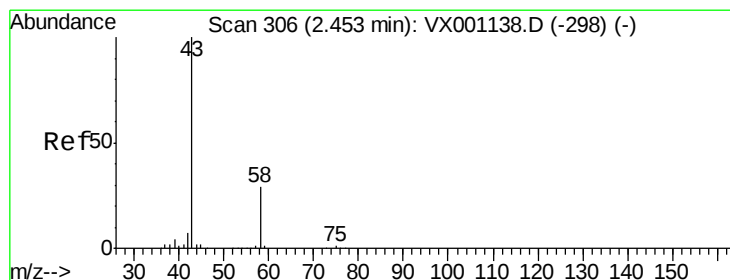
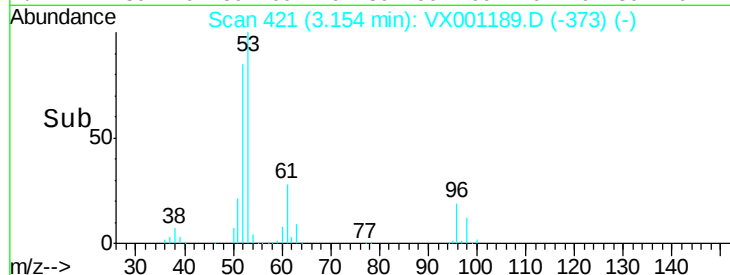
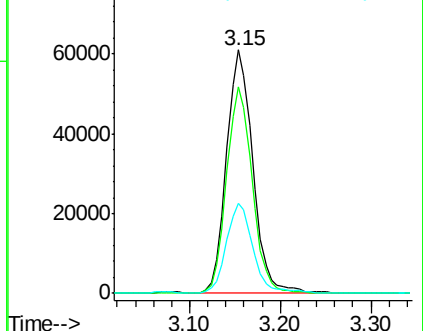
51 37.1 29.5 44.3



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: 87.794 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001189.D

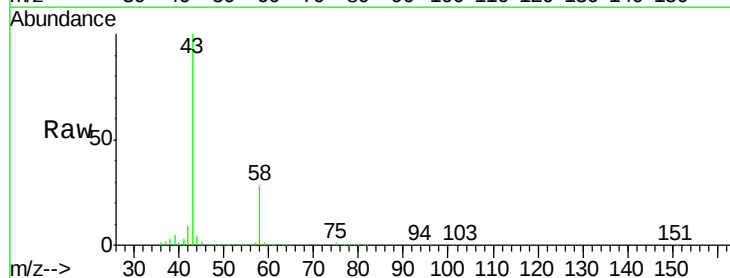
Acq: 28 Apr 2018 00:08

Tgt Ion: 43 Resp: 113094

Ion Ratio Lower Upper

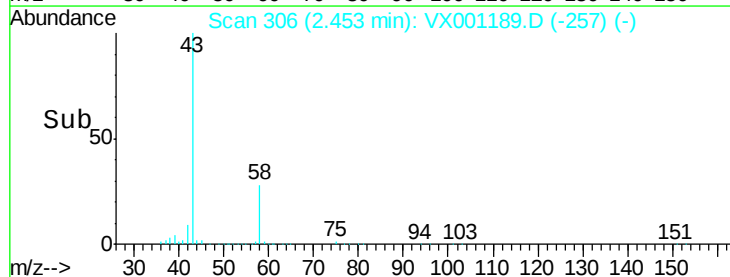
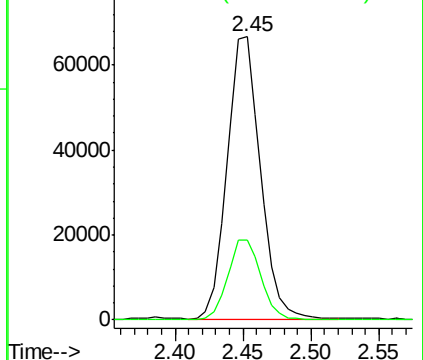
43 100

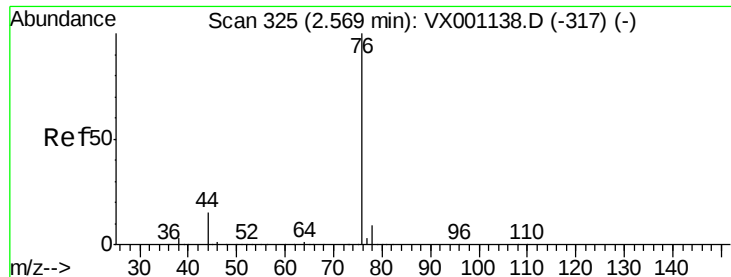
58 28.4 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

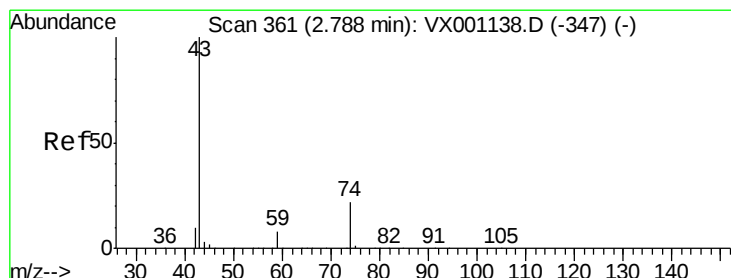
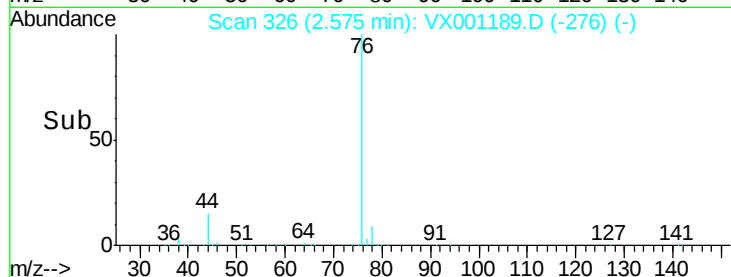
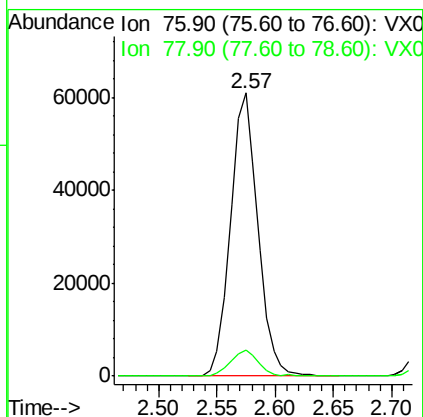
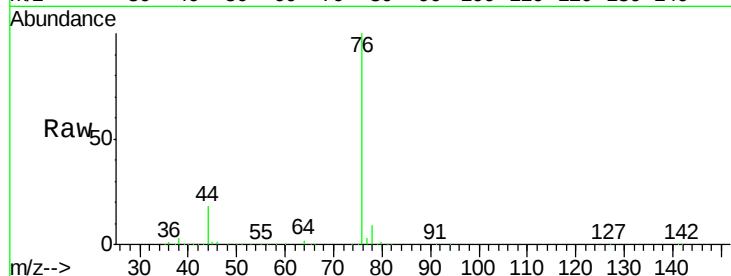




#17
Carbon Disulfide
Concen: 19.163 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

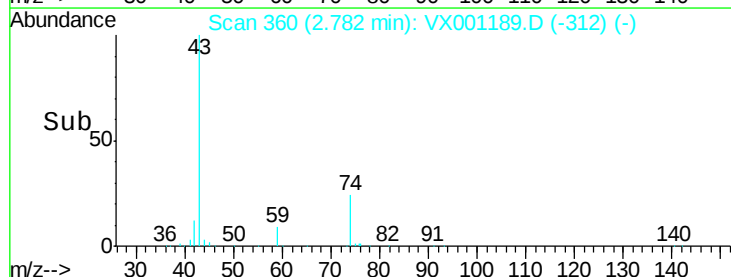
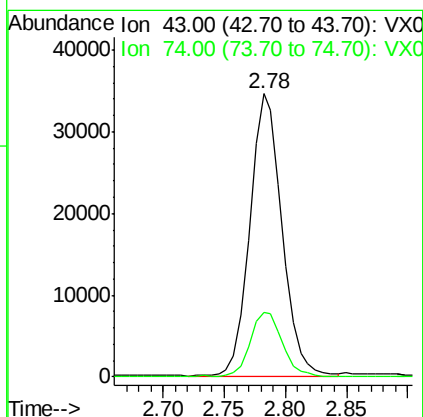
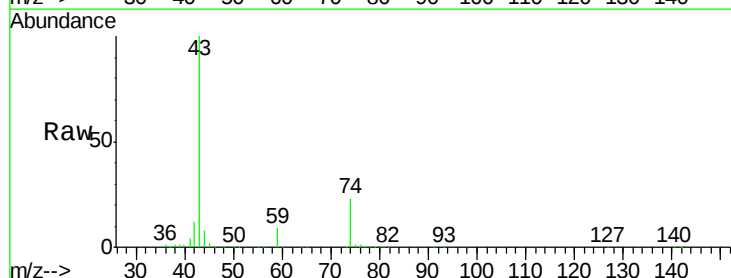
Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

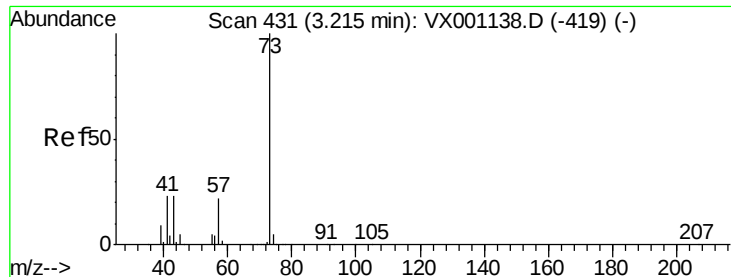
Tgt Ion: 76 Resp: 99922
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 19.605 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion: 43 Resp: 63195
Ion Ratio Lower Upper
43 100
74 23.2 18.1 27.1





#19

Methyl tert-butyl Ether

Concen: 19.785 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

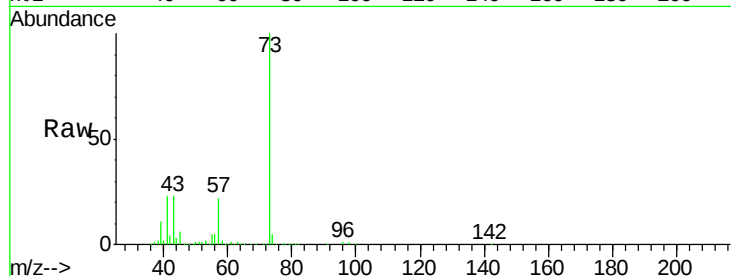
VX0427WBSD02

Tgt Ion: 73 Resp: 148837

Ion Ratio Lower Upper

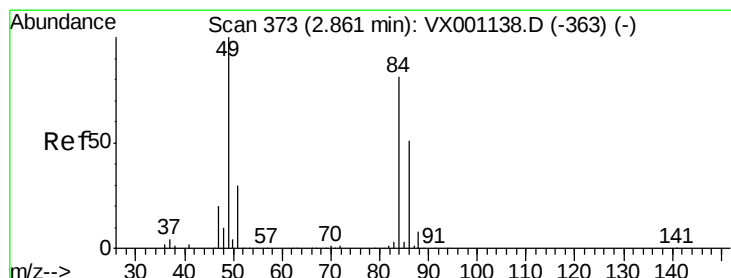
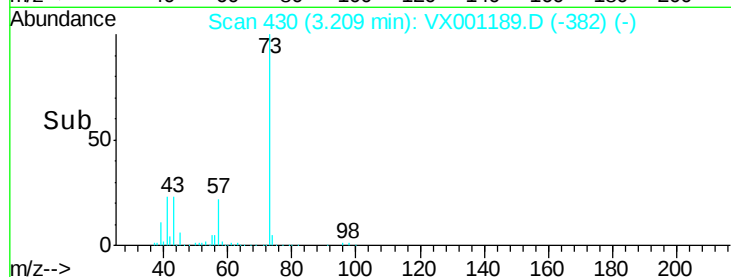
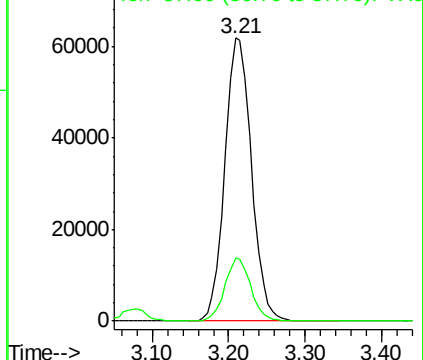
73 100

57 22.2 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 19.515 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Tgt Ion: 84 Resp: 46820

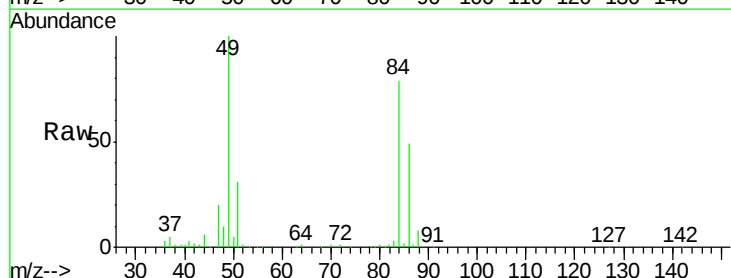
Ion Ratio Lower Upper

84 100

49 127.3 99.2 148.8

51 39.1 29.5 44.3

86 62.8 50.2 75.2

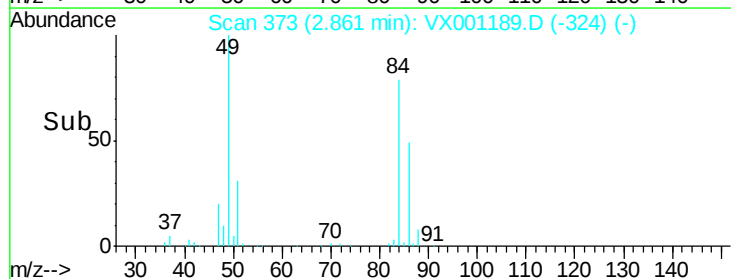
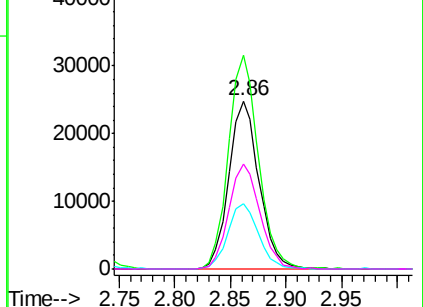


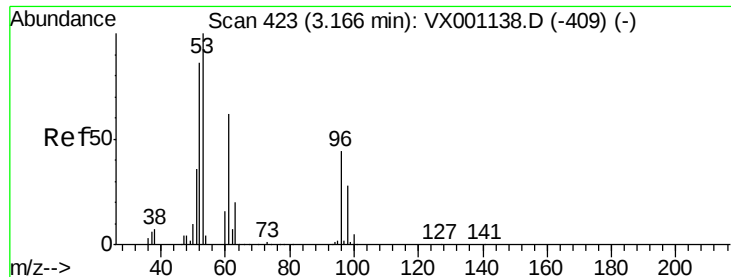
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 19.928 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

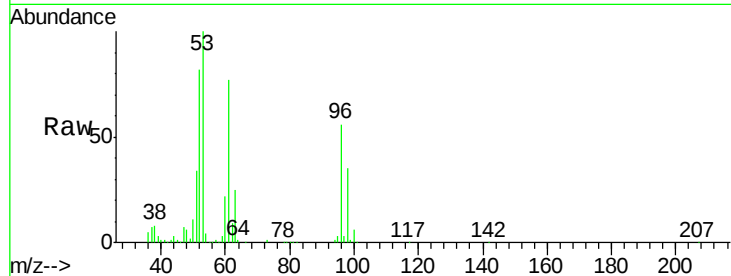
Tgt Ion: 96 Resp: 45018

Ion Ratio Lower Upper

96 100

61 137.0 111.9 167.9

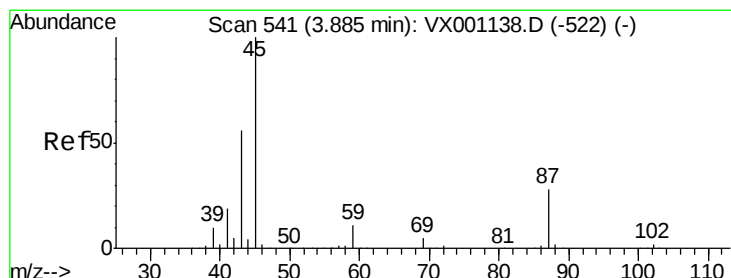
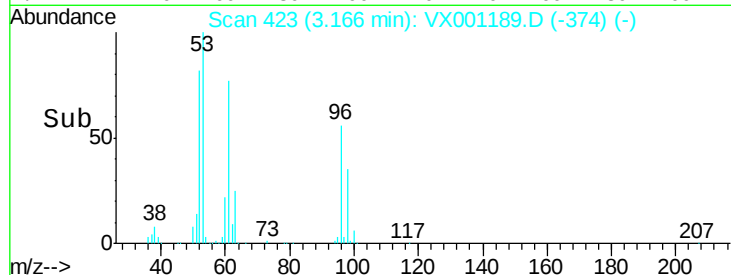
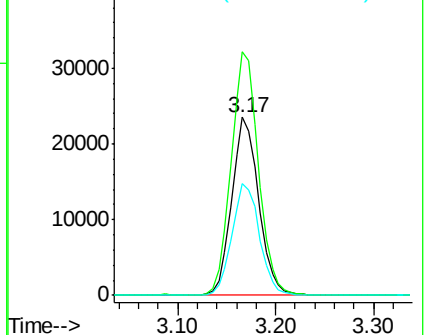
98 62.6 51.1 76.7



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: 18.973 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Tgt Ion: 45 Resp: 141519

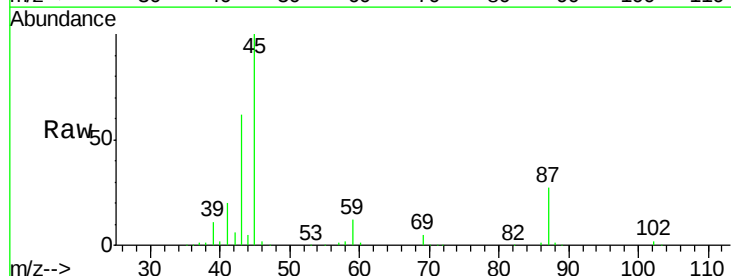
Ion Ratio Lower Upper

45 100

43 61.7 45.0 67.4

87 27.0 22.8 34.2

59 11.9 9.0 13.6

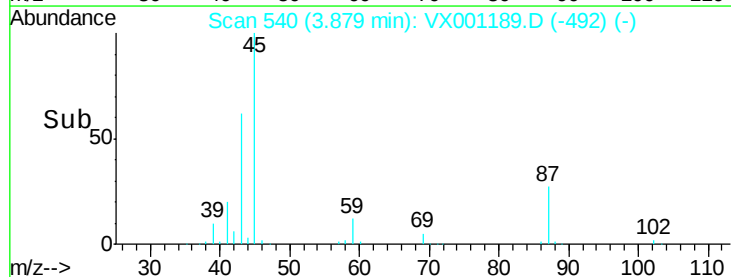
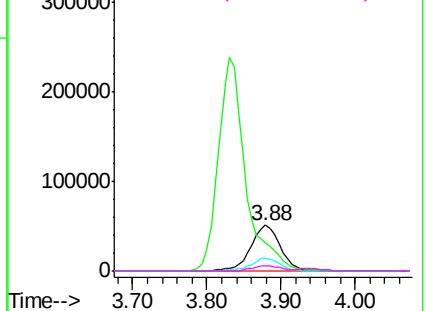


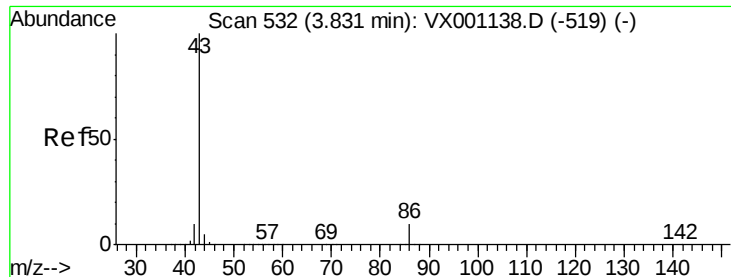
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 96.195 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

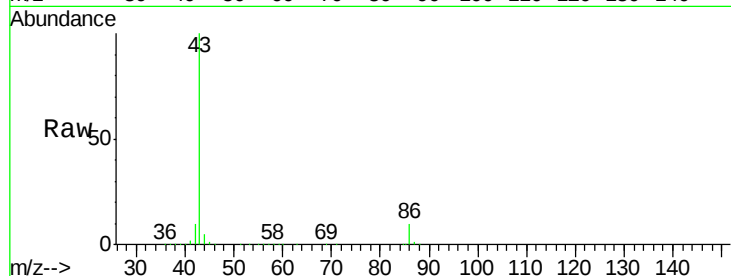
VX0427WBSD02

Tgt Ion: 43 Resp: 608705

Ion Ratio Lower Upper

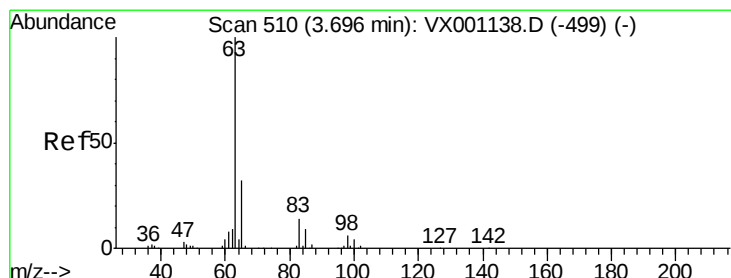
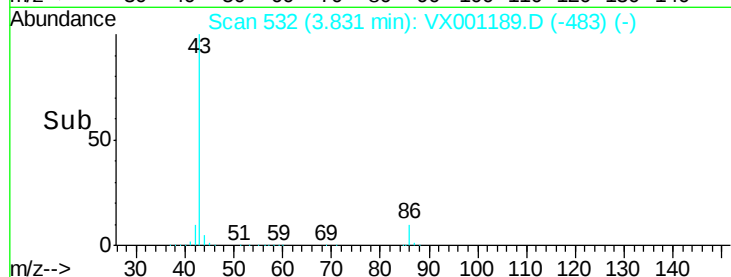
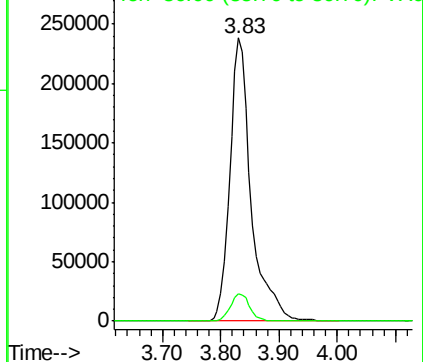
43 100

86 9.6 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.922 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

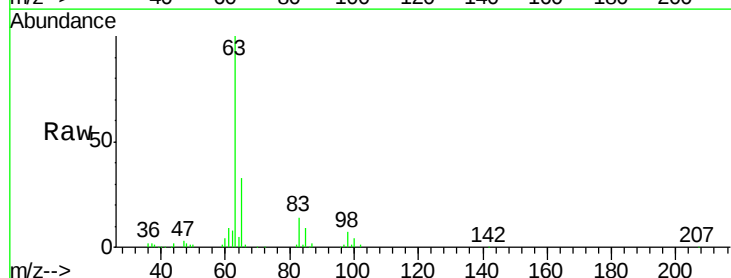
Tgt Ion: 63 Resp: 78097

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

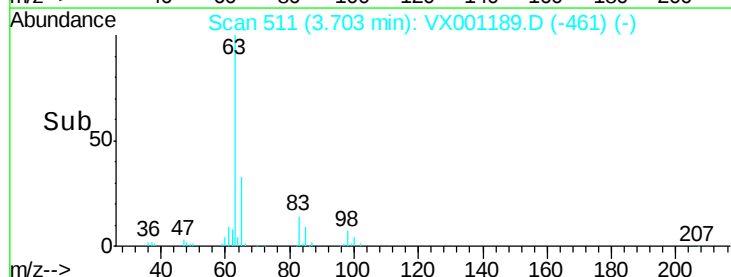
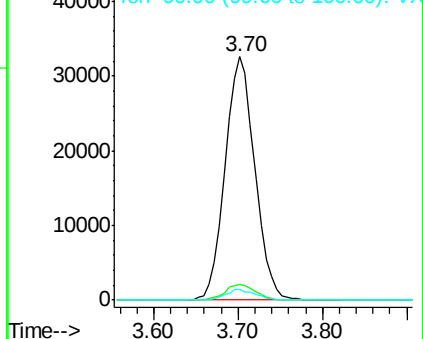
100 4.5 2.1 6.5

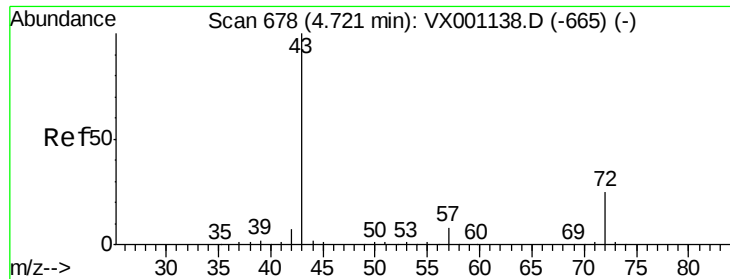


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 87.782 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

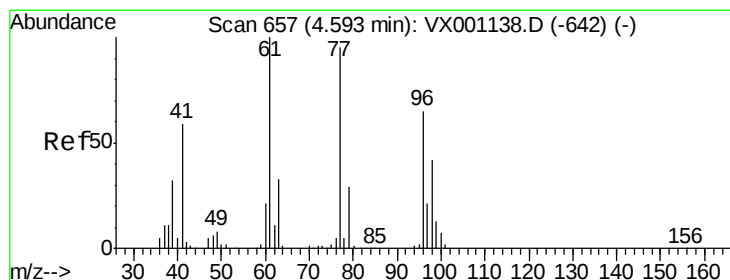
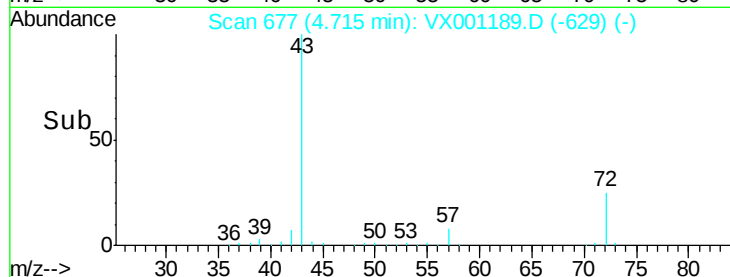
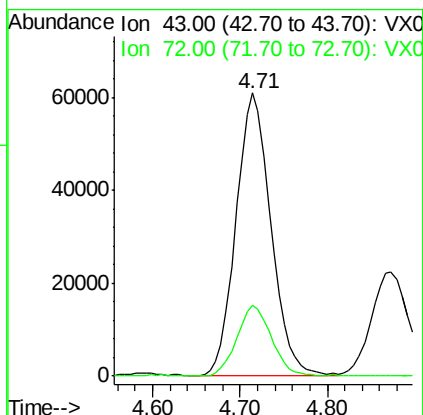
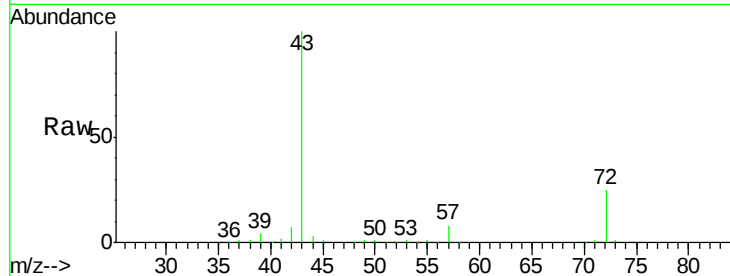
VX0427WBSD02

Tgt Ion: 43 Resp: 169196

Ion Ratio Lower Upper

43 100

72 24.9 20.0 30.0



#26

2,2-Dichloropropane

Concen: 16.664 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001189.D

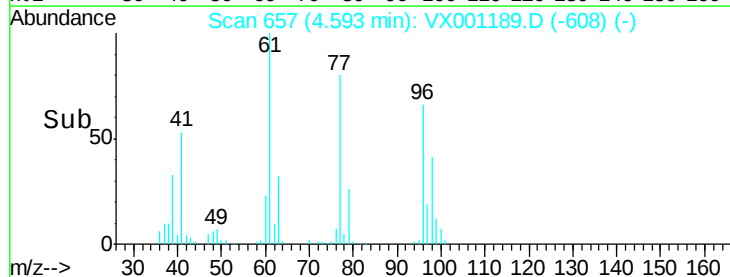
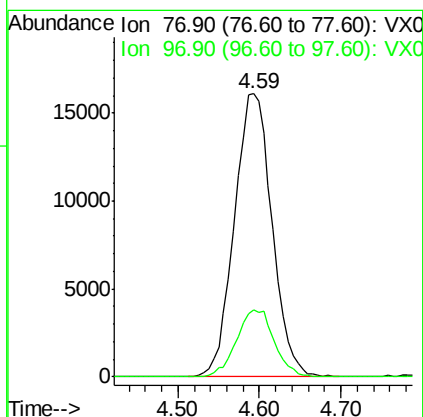
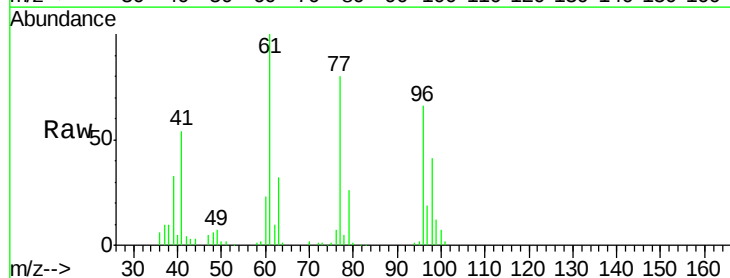
Acq: 28 Apr 2018 00:08

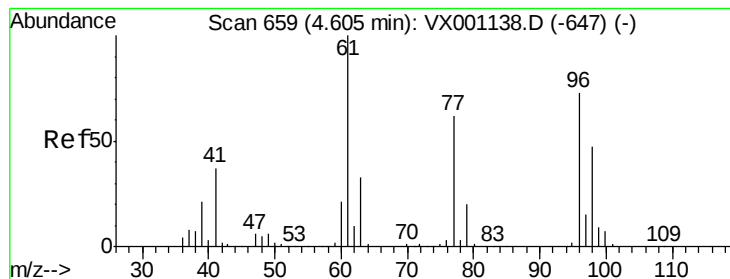
Tgt Ion: 77 Resp: 51420

Ion Ratio Lower Upper

77 100

97 23.8 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 19.681 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

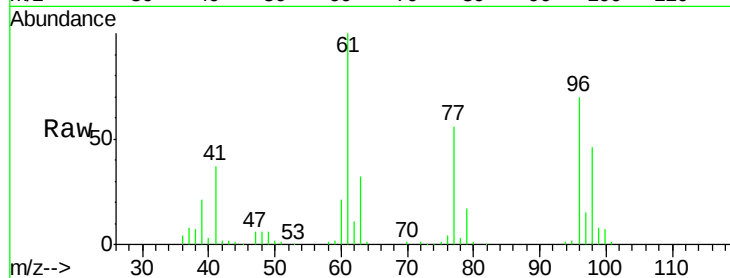
Tgt Ion: 96 Resp: 48680

Ion Ratio Lower Upper

96 100

61 144.0 0.0 289.0

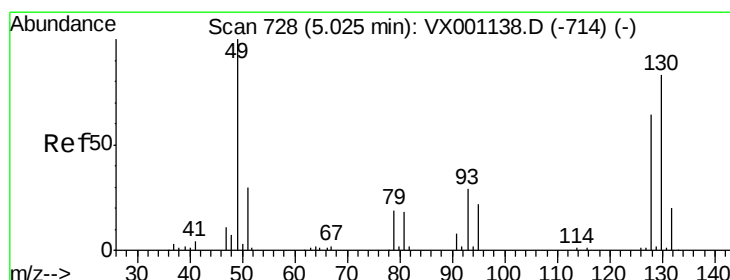
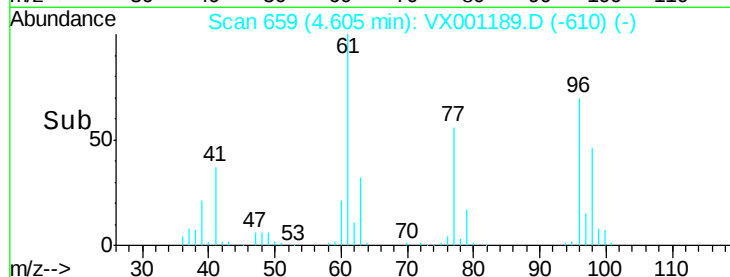
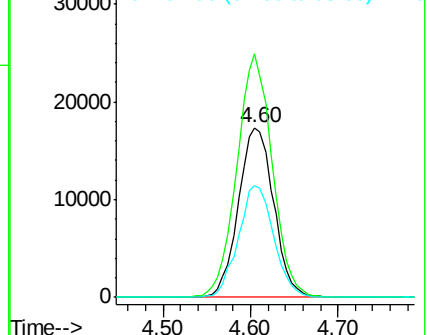
98 66.0 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 20.187 ug/l

RT: 5.03 min Scan# 729

Delta R.T. 0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

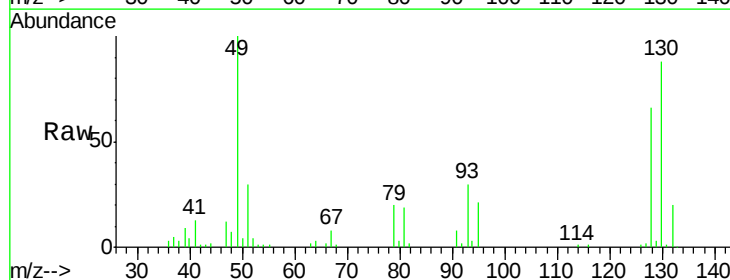
Tgt Ion: 49 Resp: 35484

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.6

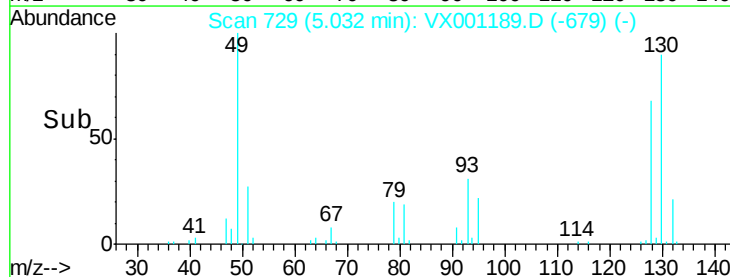
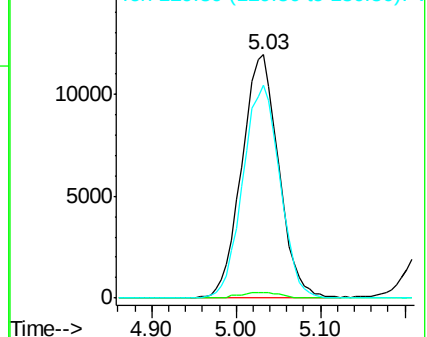
130 87.5 68.2 102.2

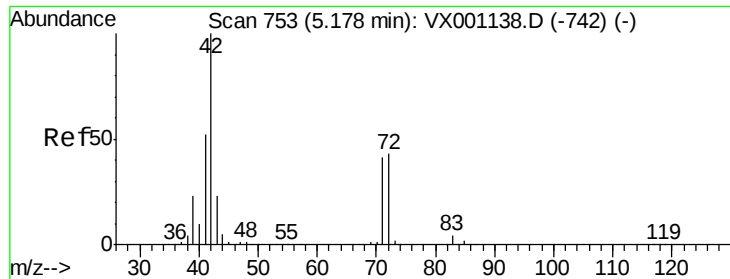


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

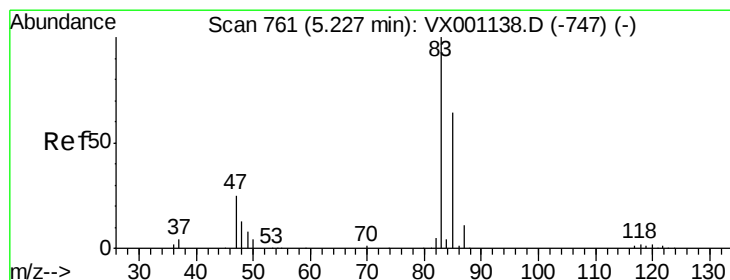
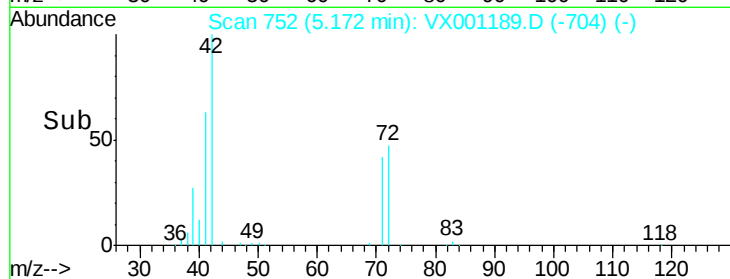
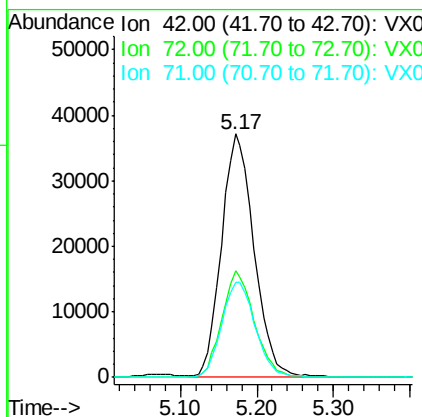
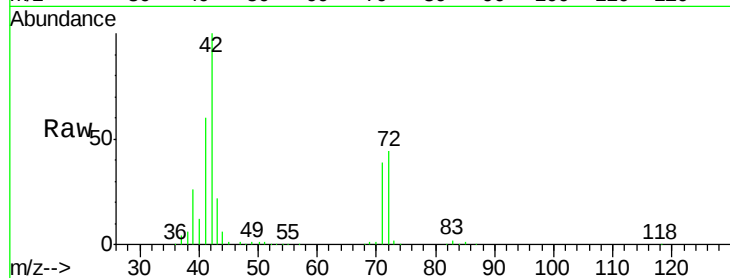




#29
Tetrahydrofuran
Concen: 87.876 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

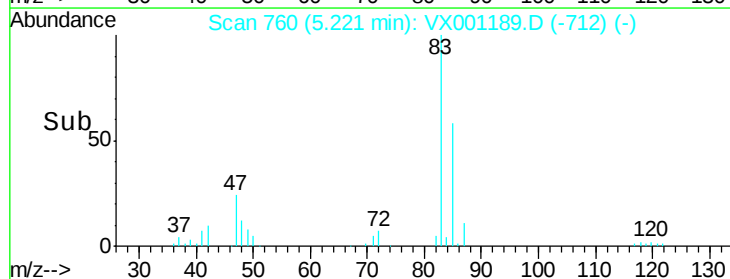
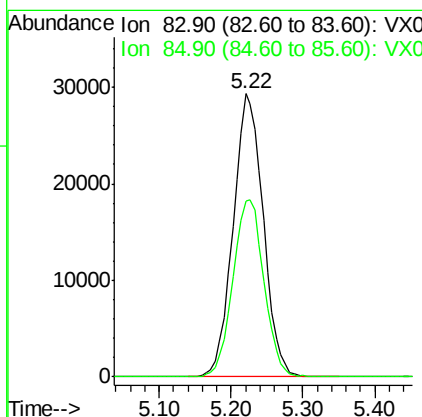
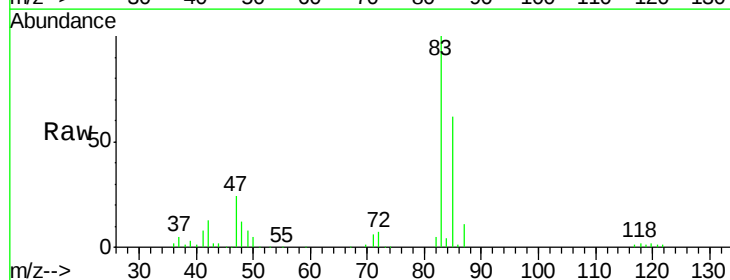
Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

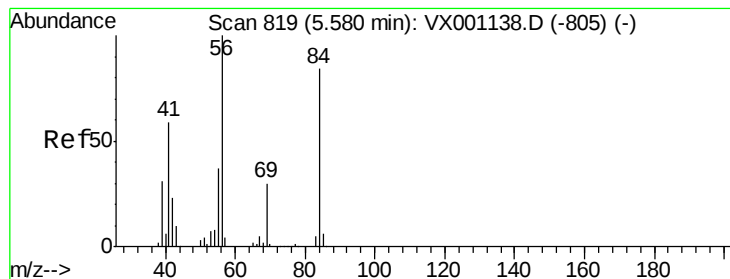
Tgt Ion: 42 Resp: 108902
Ion Ratio Lower Upper
42 100
72 43.9 34.4 51.6
71 40.6 32.1 48.1



#30
Chloroform
Concen: 20.341 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion: 83 Resp: 84799
Ion Ratio Lower Upper
83 100
85 62.2 51.4 77.0





#31

Cyclohexane

Concen: 20.340 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

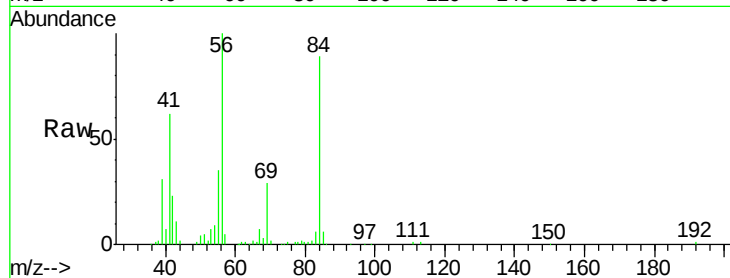
Tgt Ion: 56 Resp: 67744

Ion Ratio Lower Upper

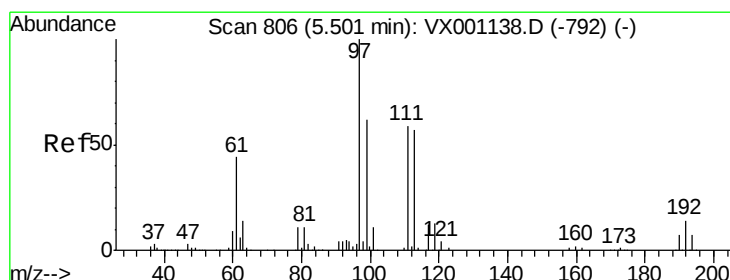
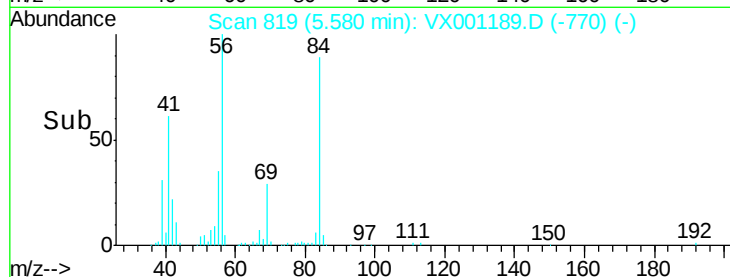
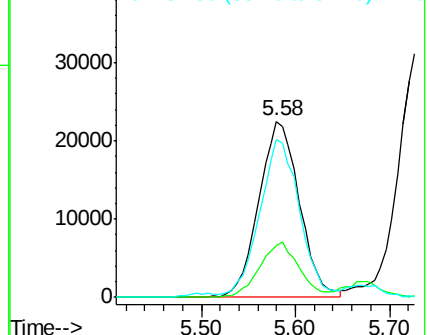
56 100

69 29.4 24.2 36.2

84 88.0 67.5 101.3



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: 20.171 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

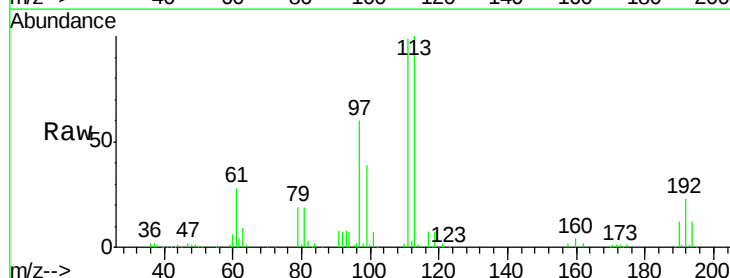
Tgt Ion: 97 Resp: 72590

Ion Ratio Lower Upper

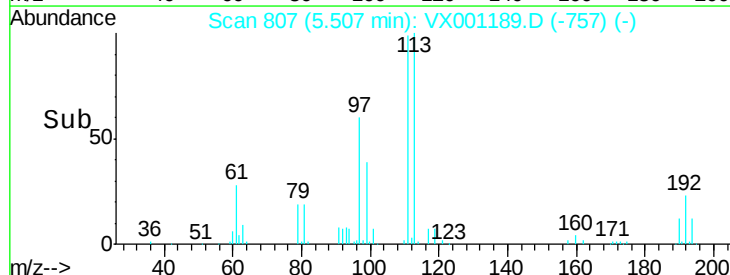
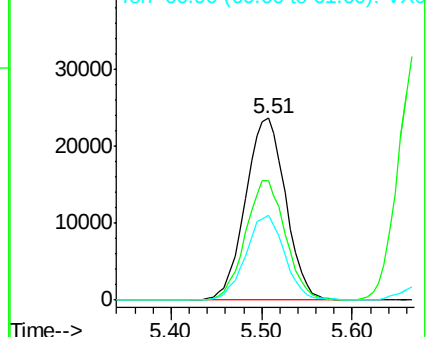
97 100

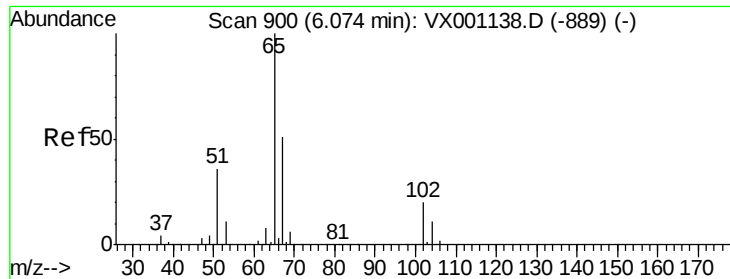
99 65.1 50.9 76.3

61 45.1 35.0 52.6



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: 44.469 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

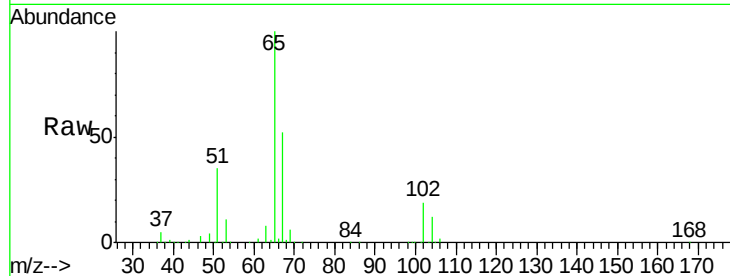
VX0427WBSD02

Tgt Ion: 65 Resp: 139301

Ion Ratio Lower Upper

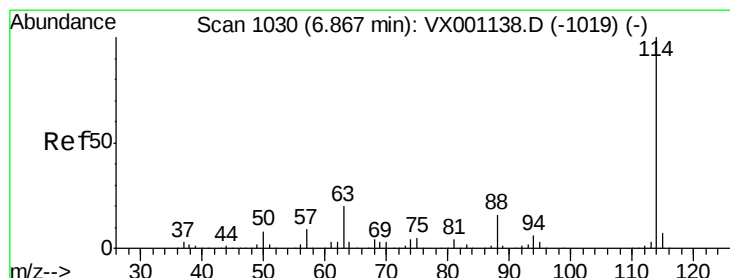
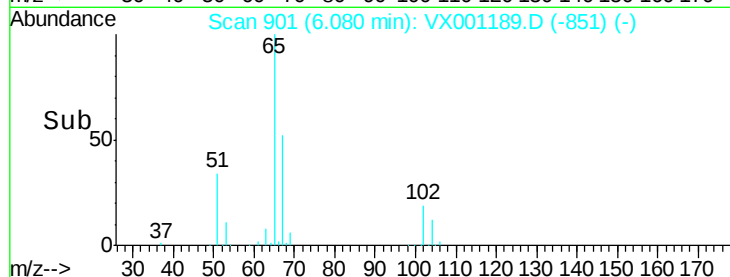
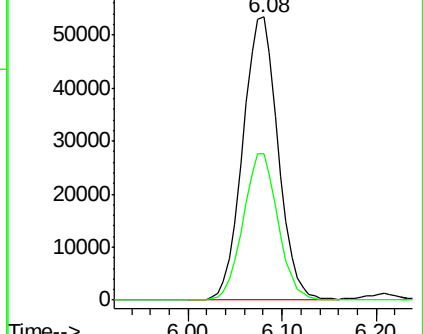
65 100

67 51.1 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

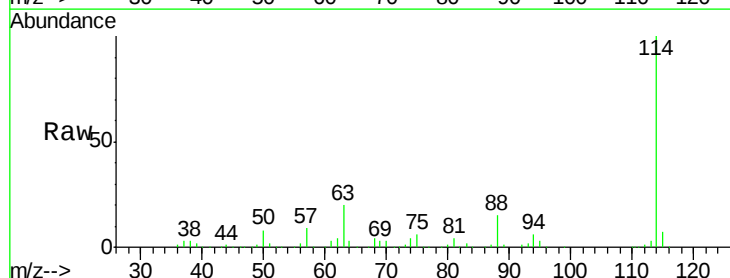
Tgt Ion: 114 Resp: 275947

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.4

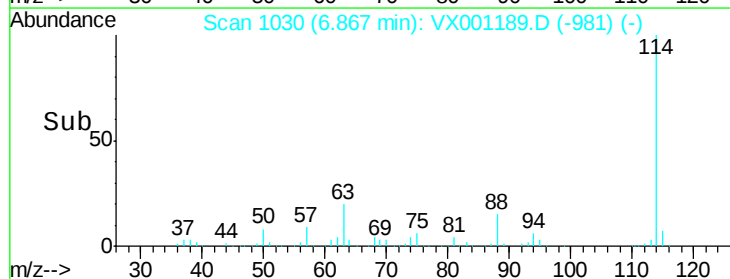
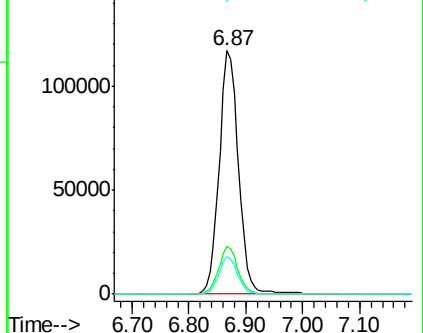
88 15.3 0.0 31.8

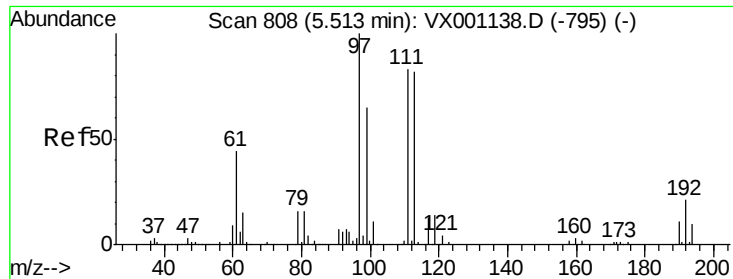


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.248 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

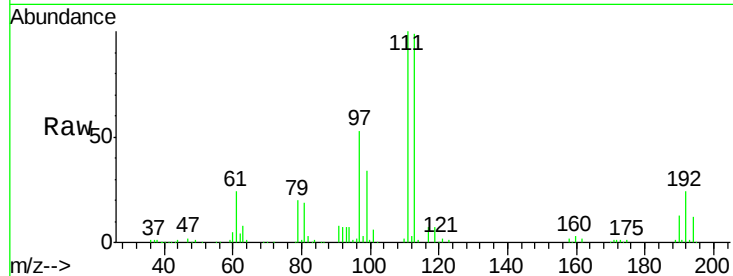
Tgt Ion:113 Resp: 112482

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

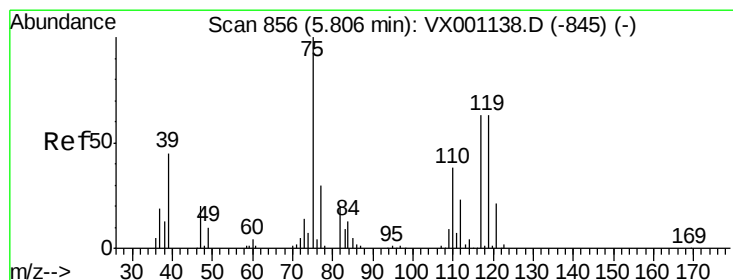
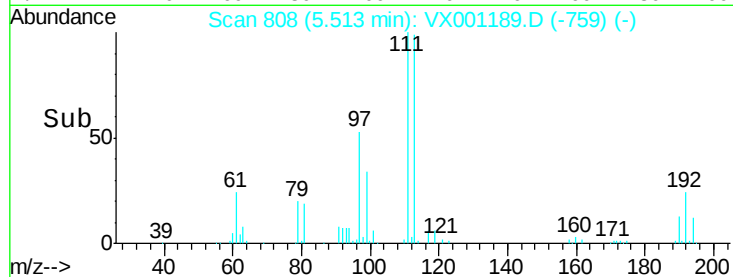
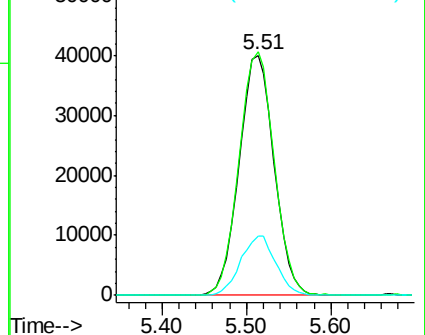
192 25.0 20.6 30.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.997 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

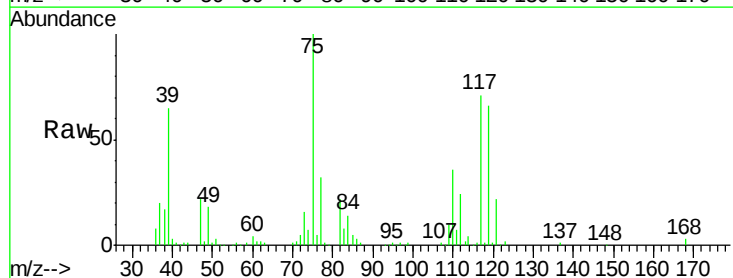
Tgt Ion: 75 Resp: 60808

Ion Ratio Lower Upper

75 100

110 38.0 19.0 57.0

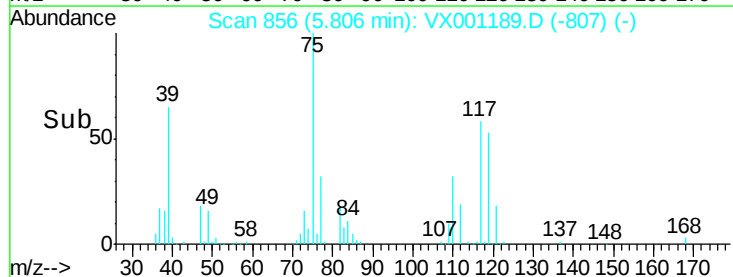
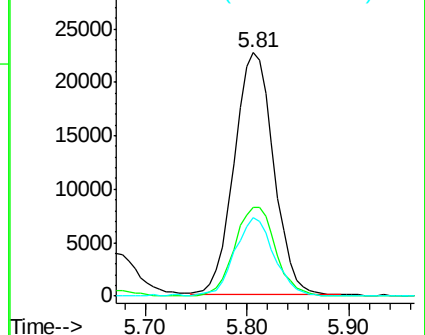
77 32.3 24.8 37.2

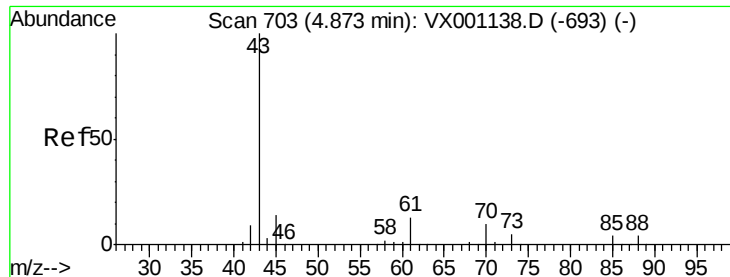


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 18.285 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

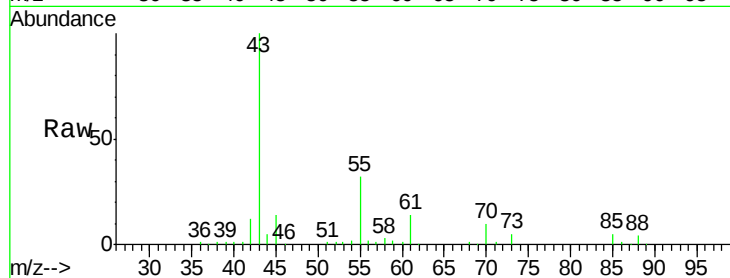
Tgt Ion: 43 Resp: 66587

Ion Ratio Lower Upper

43 100

61 13.7 11.0 16.6

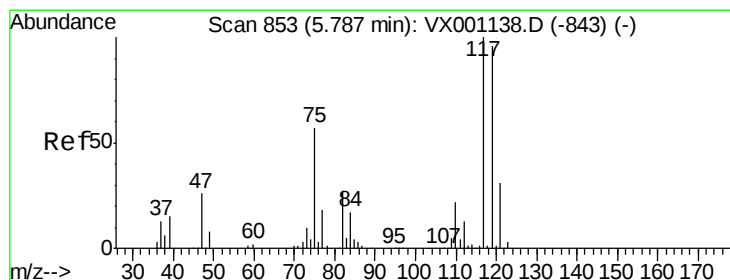
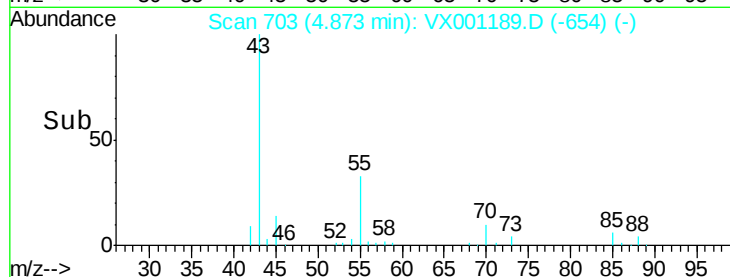
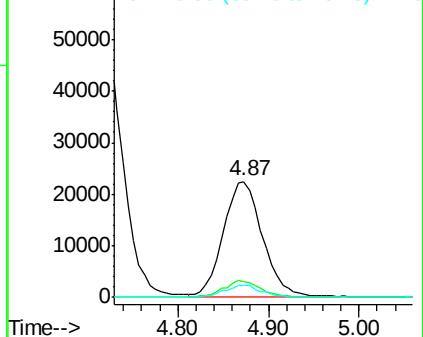
70 10.2 8.2 12.2



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: 20.462 ug/l

RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

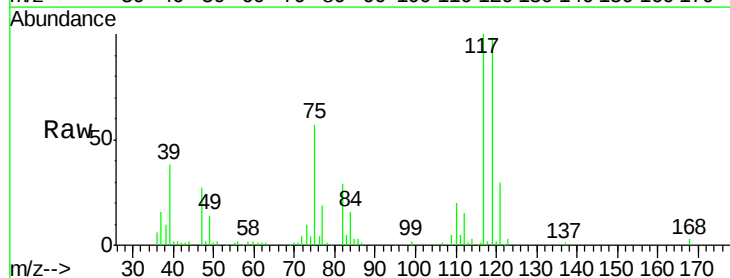
Tgt Ion: 117 Resp: 63801

Ion Ratio Lower Upper

117 100

119 97.6 76.5 114.7

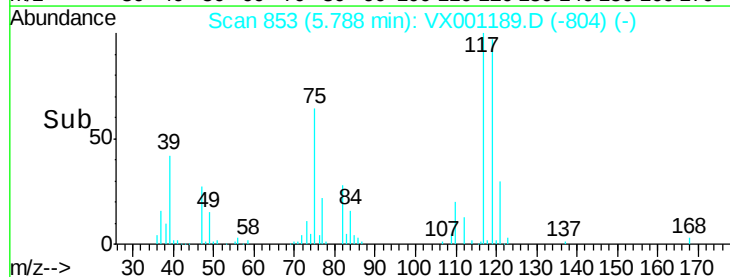
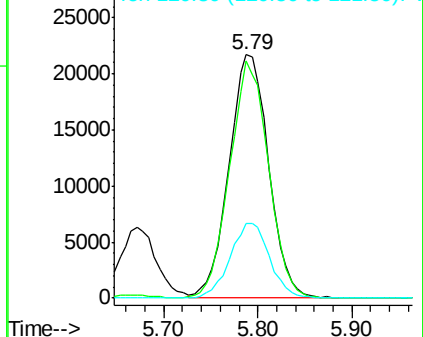
121 30.5 24.6 37.0

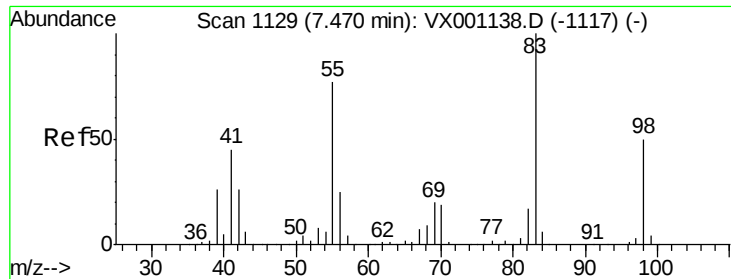


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

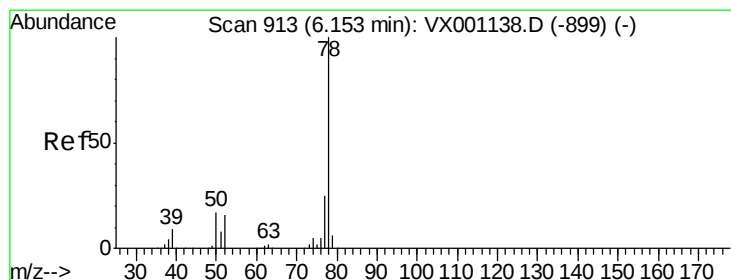
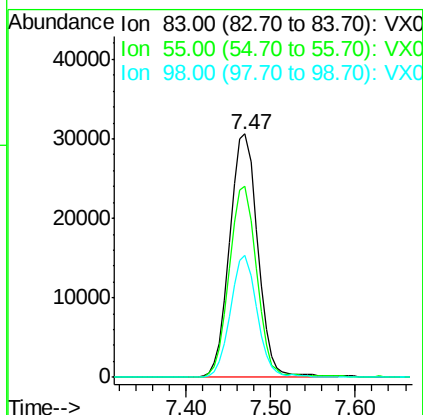
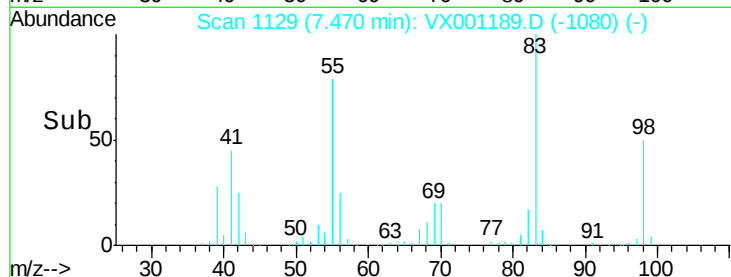
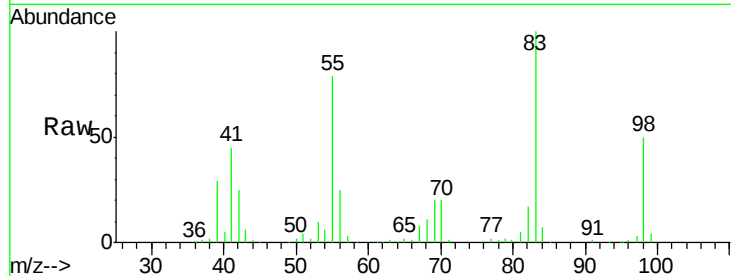




#39
Methylcyclohexane
Concen: 20.560 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

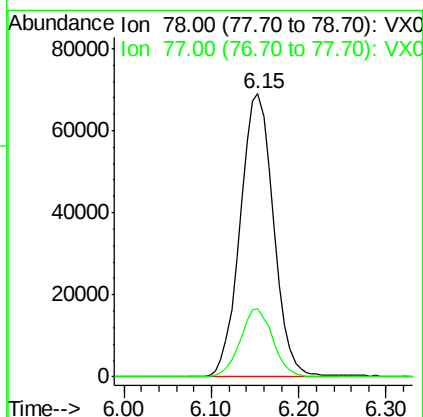
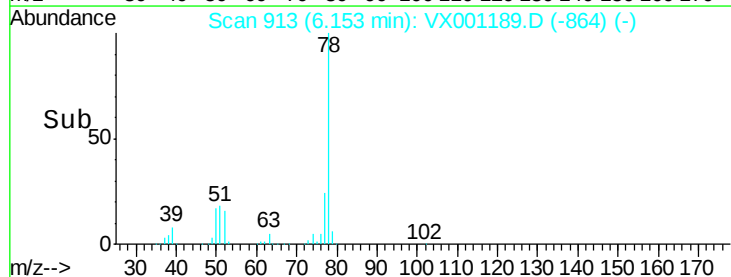
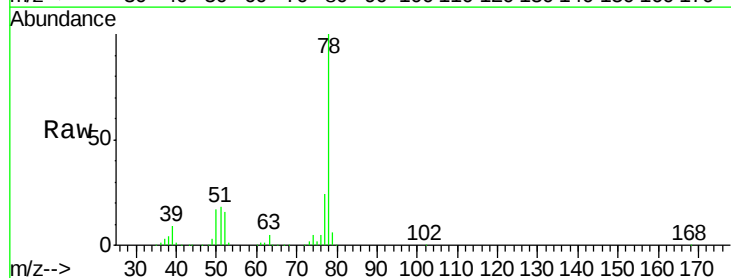
Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

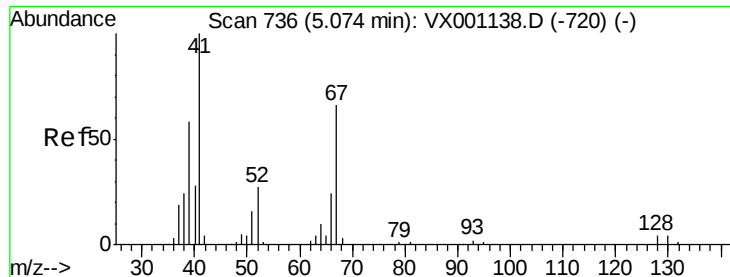
Tgt Ion: 83 Resp: 69193
Ion Ratio Lower Upper
83 100
55 78.7 61.8 92.6
98 50.3 40.0 60.0



#40
Benzene
Concen: 20.776 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion: 78 Resp: 182760
Ion Ratio Lower Upper
78 100
77 24.3 19.7 29.5

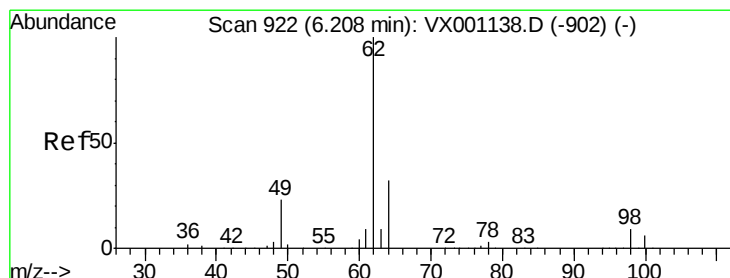
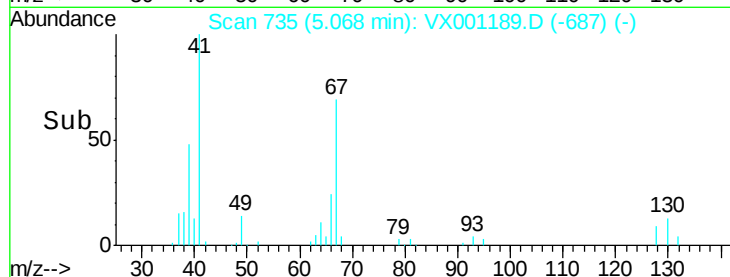
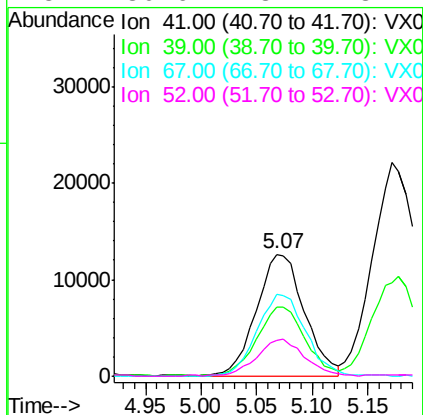
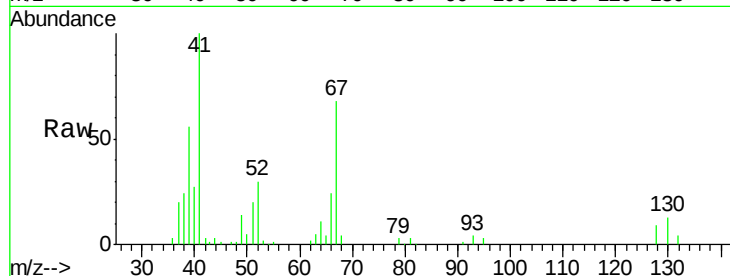




#41
Methacrylonitrile
Concen: 18.560 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

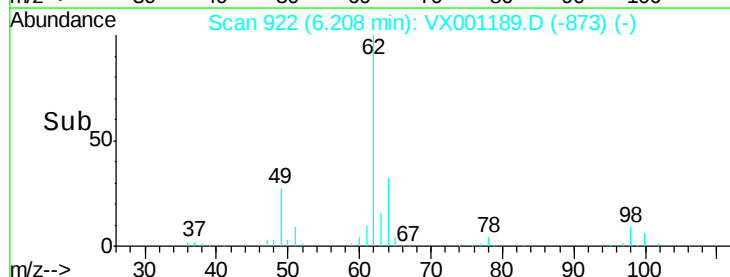
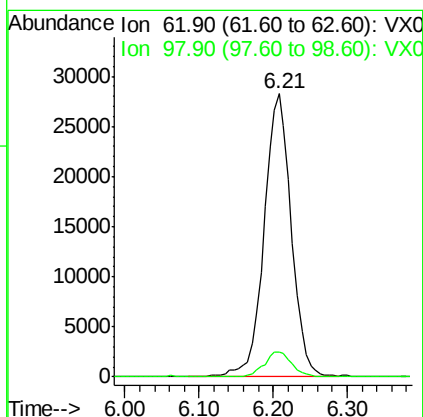
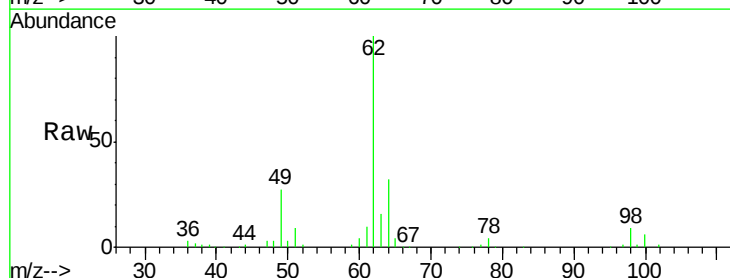
Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

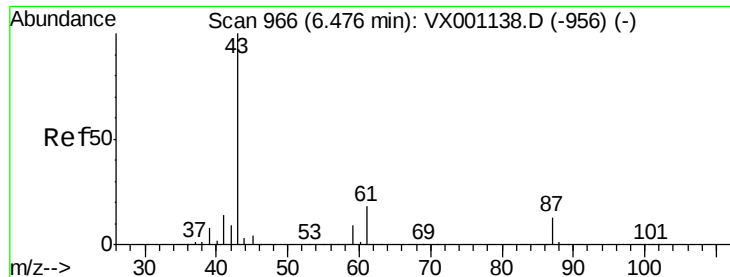
Tgt Ion:	41	Resp:	37978
Ion	Ratio	Lower	Upper
41	100		
39	57.4	45.9	68.9
67	67.9	53.2	79.8
52	30.6	23.1	34.7



#42
1,2-Dichloroethane
Concen: 20.291 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion:	62	Resp:	71927
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0





#43

Isopropyl Acetate

Concen: 18.615 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

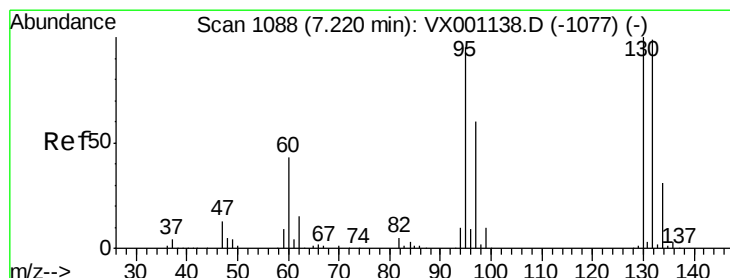
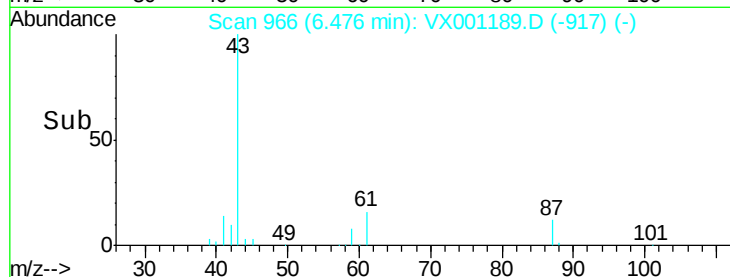
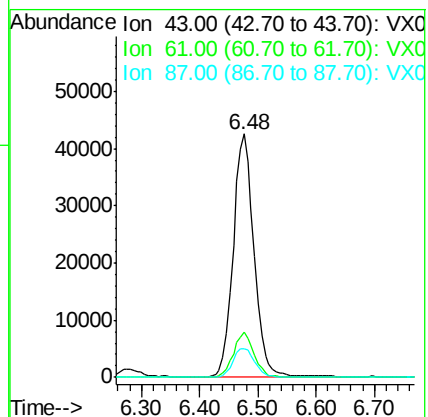
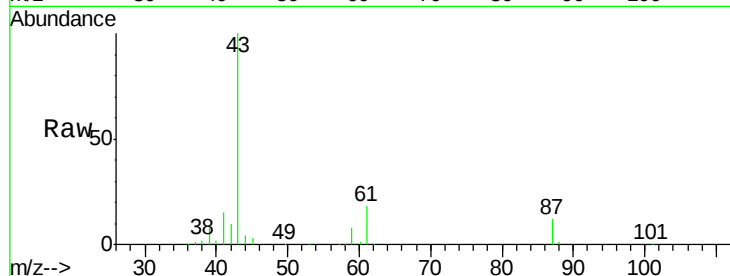
Tgt Ion: 43 Resp: 106459

Ion Ratio Lower Upper

43 100

61 18.2 15.0 22.6

87 12.6 10.3 15.5



#44

Trichloroethene

Concen: 21.034 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001189.D

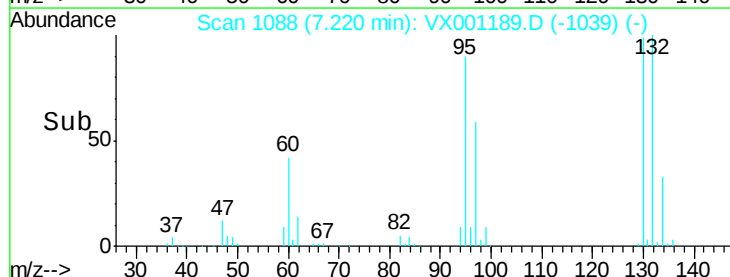
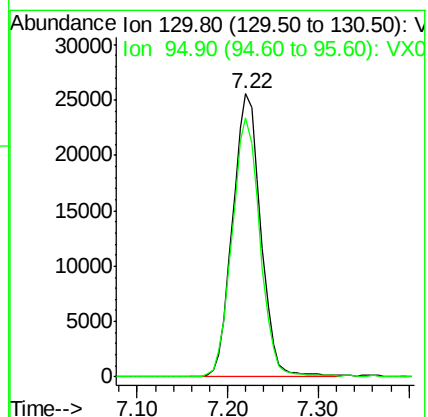
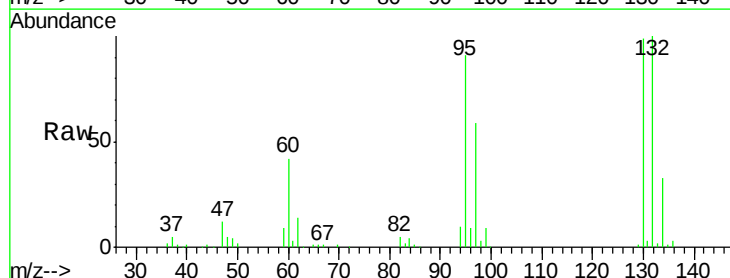
Acq: 28 Apr 2018 00:08

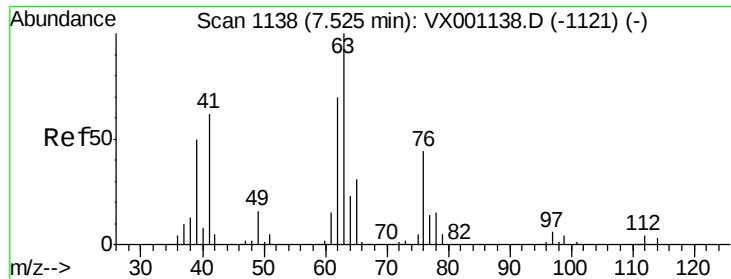
Tgt Ion: 130 Resp: 55121

Ion Ratio Lower Upper

130 100

95 91.7 0.0 189.6

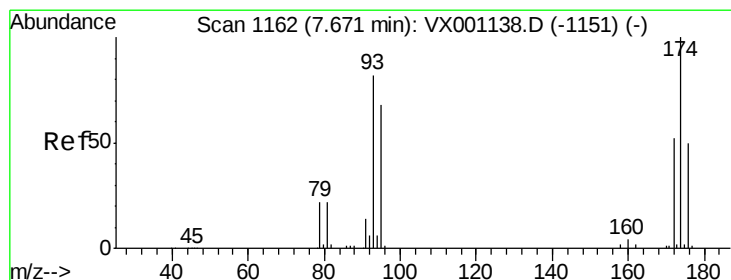
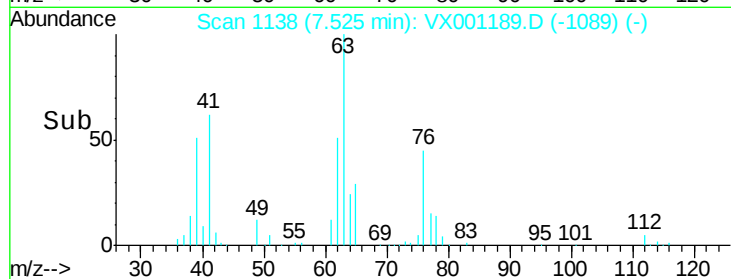
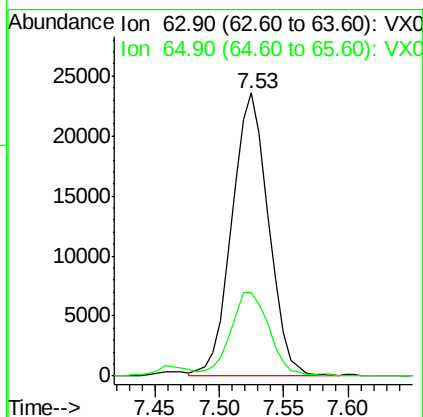
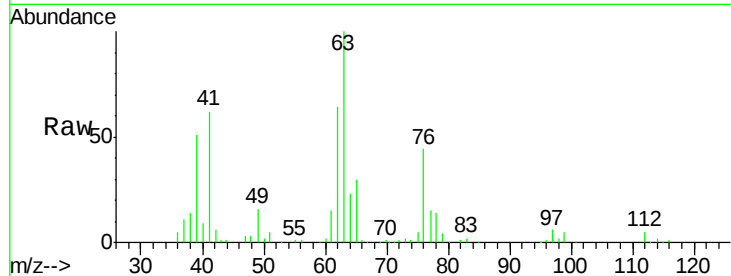




#45
 1,2-Dichloropropane
 Concen: 19.905 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

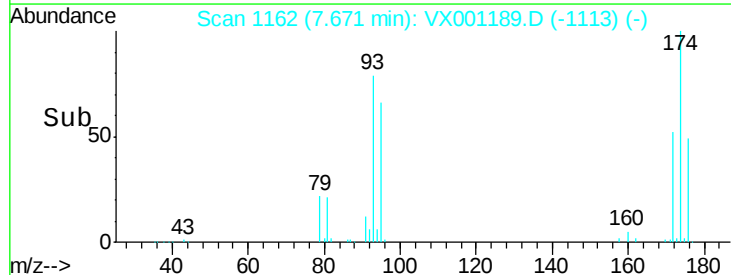
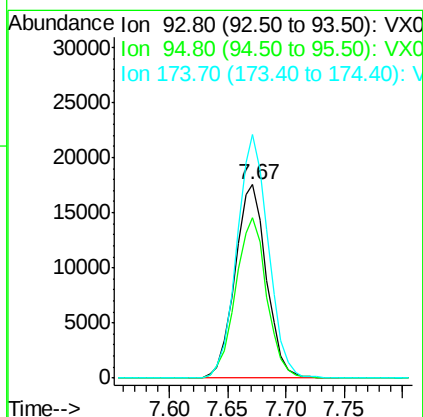
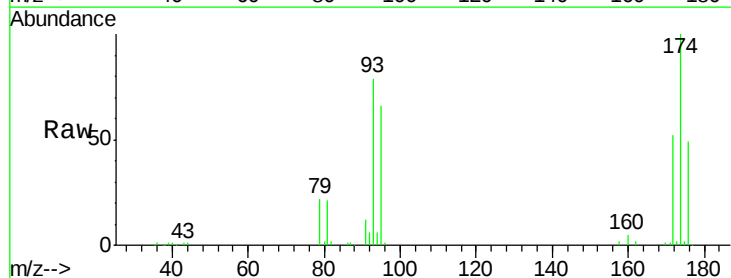
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

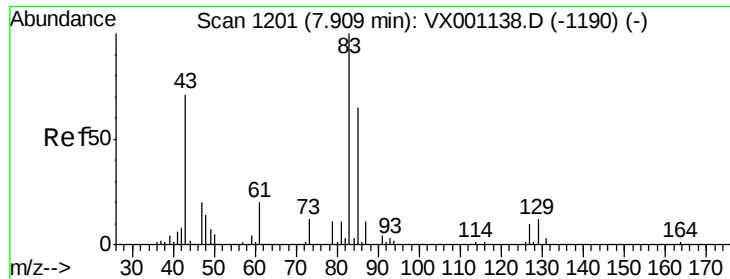
Tgt Ion: 63 Resp: 46052
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.9 37.3



#46
 Dibromomethane
 Concen: 20.657 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion: 93 Resp: 33095
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.4 99.6
 174 125.1 99.6 149.4





#47

Bromodichloromethane

Concen: 20.035 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

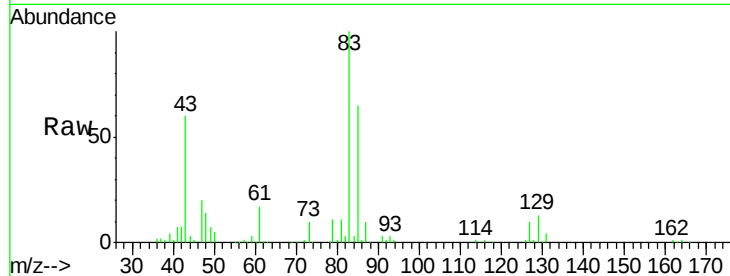
Tgt Ion: 83 Resp: 58321

Ion Ratio Lower Upper

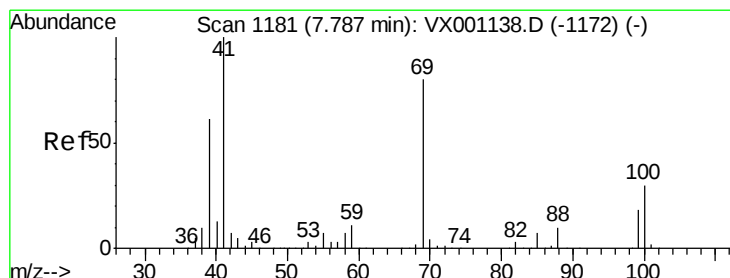
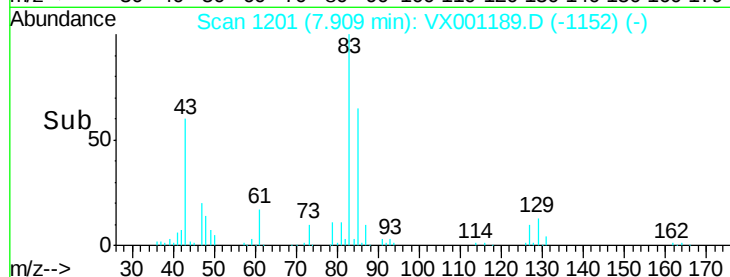
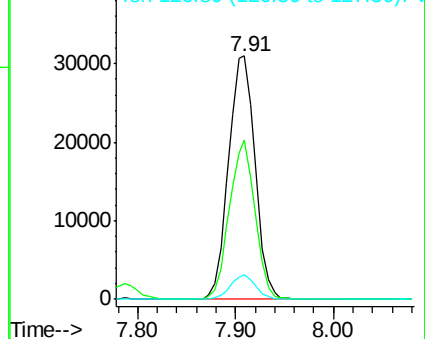
83 100

85 65.2 51.9 77.9

127 10.1 7.7 11.5



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: 18.617 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

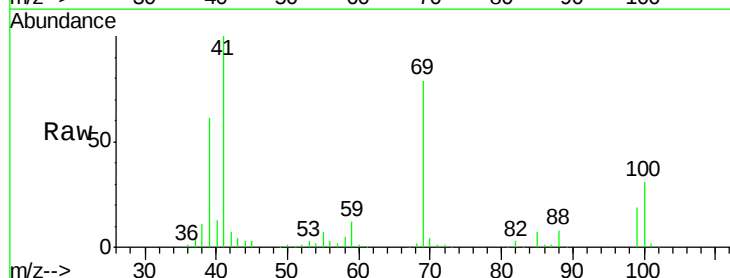
Tgt Ion: 41 Resp: 56594

Ion Ratio Lower Upper

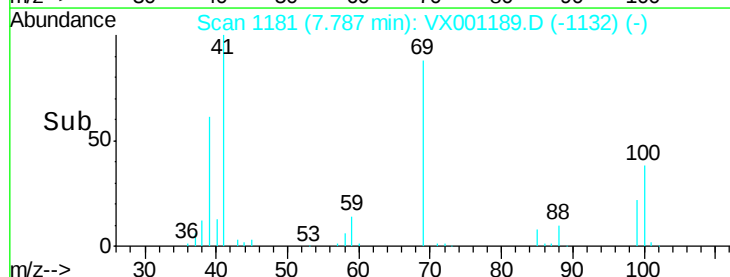
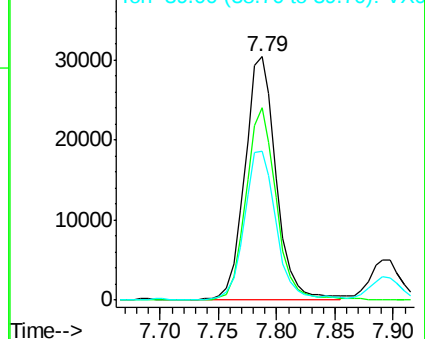
41 100

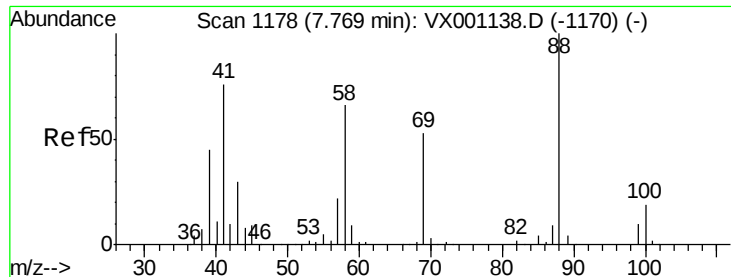
69 77.4 62.4 93.6

39 62.3 48.7 73.1



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

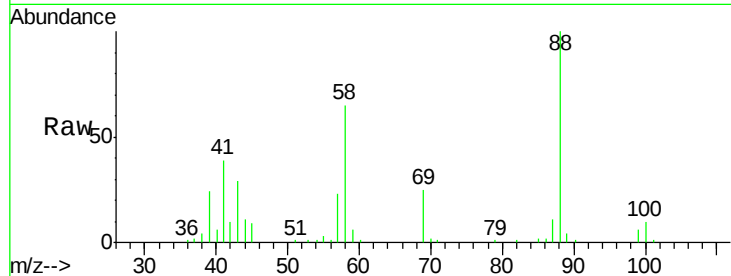




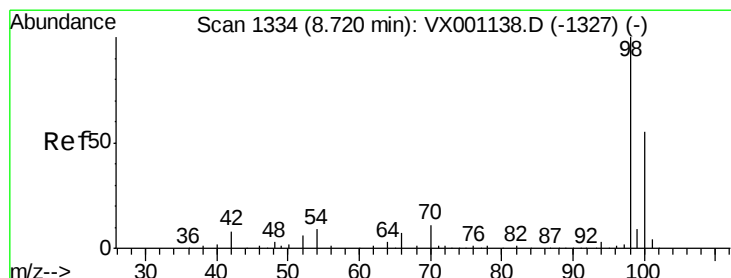
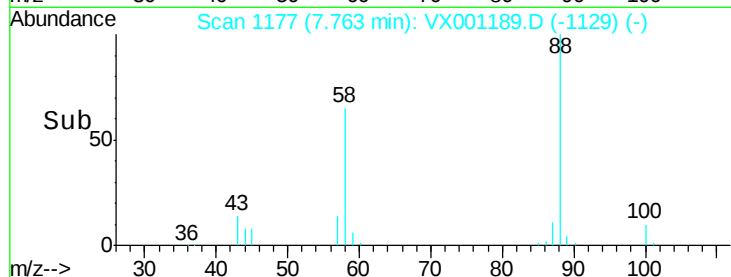
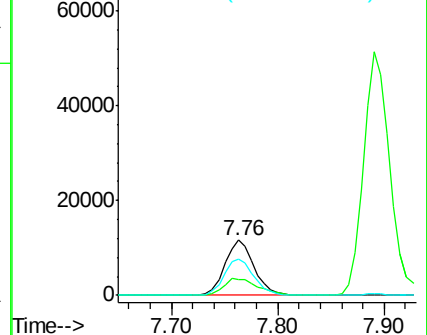
#49
 1,4-Dioxane
 Concen: 366.126 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

Tgt Ion: 88 Resp: 22283
 Ion Ratio Lower Upper
 88 100
 43 37.3 27.3 40.9
 58 67.7 54.2 81.4

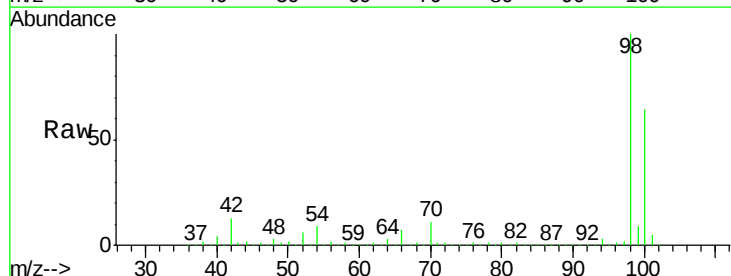


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

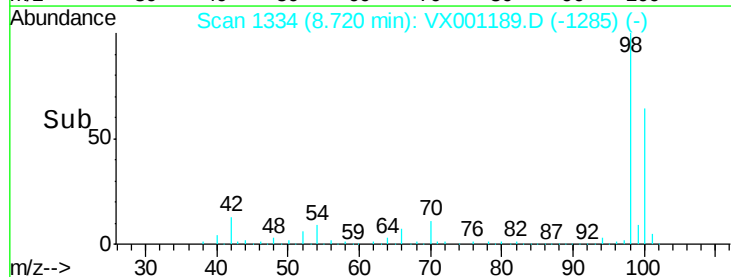
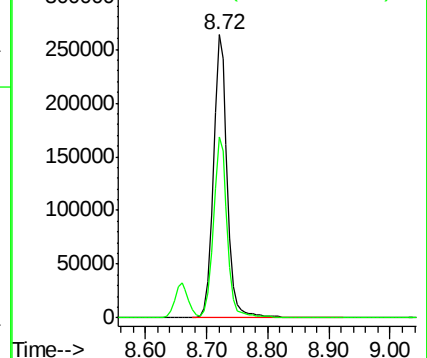


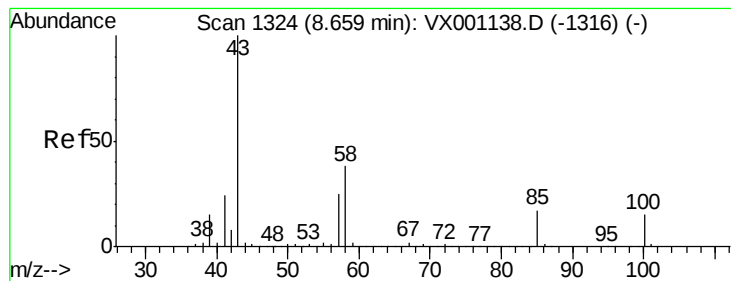
#50
 Toluene-d8
 Concen: 48.844 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion: 98 Resp: 421008
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.8 77.6



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





#51

4-Methyl-2-Pentanone

Concen: 94.463 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

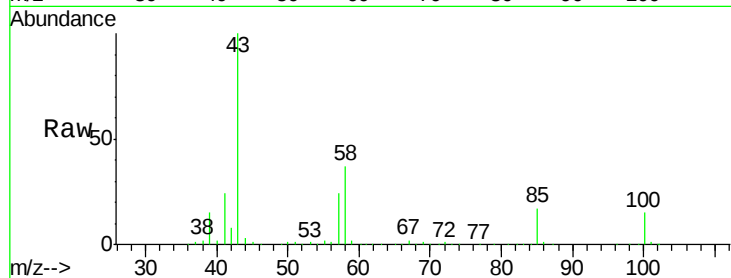
VX0427WBSD02

Tgt Ion: 43 Resp: 354870

Ion Ratio Lower Upper

43 100

58 36.1 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

200000

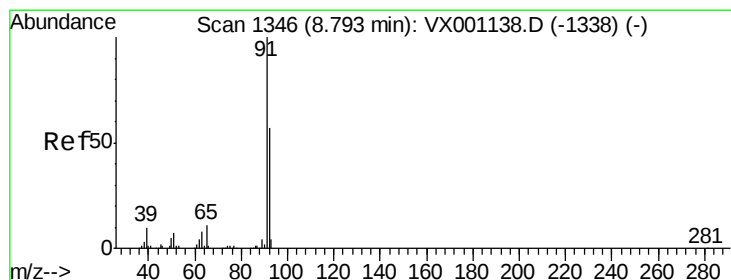
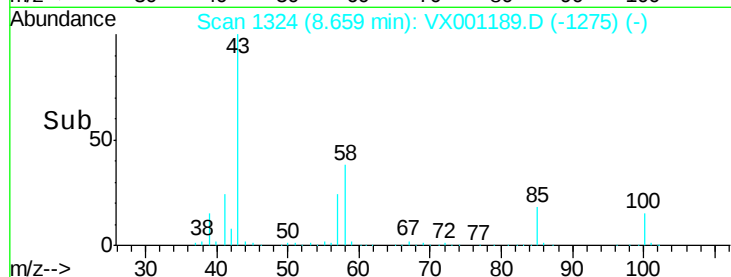
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.835 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001189.D

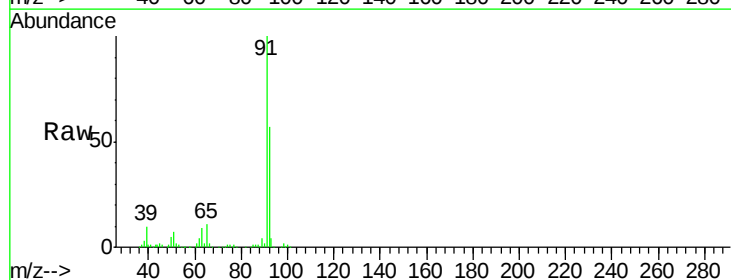
Acq: 28 Apr 2018 00:08

Tgt Ion: 92 Resp: 119852

Ion Ratio Lower Upper

92 100

91 174.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

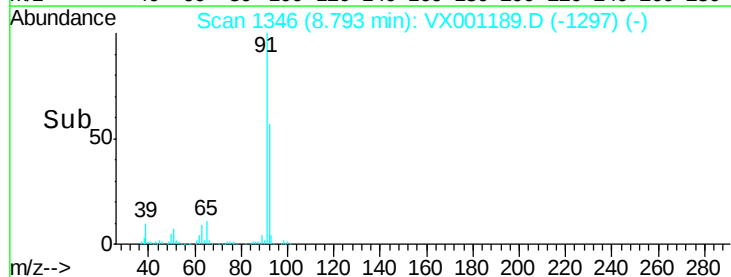
150000

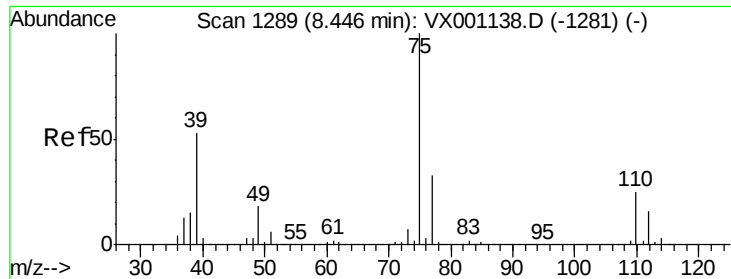
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.447 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

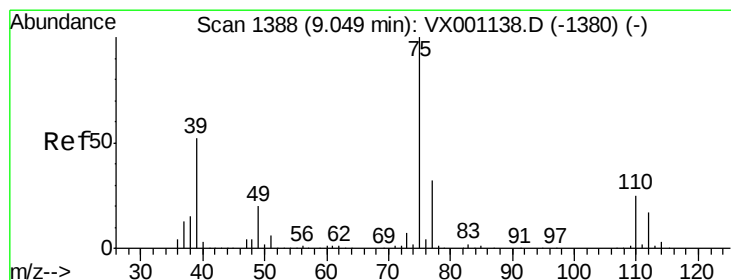
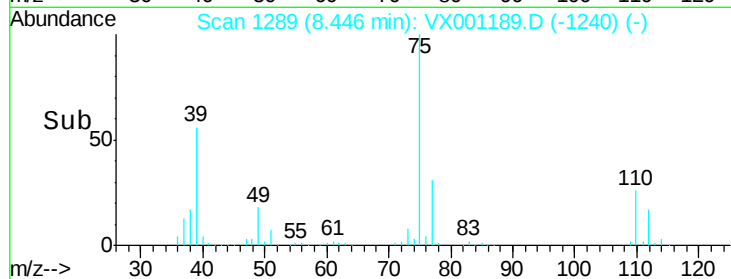
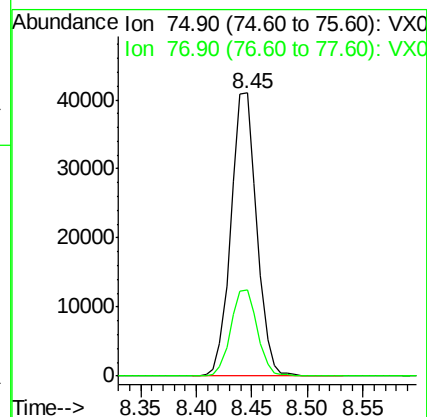
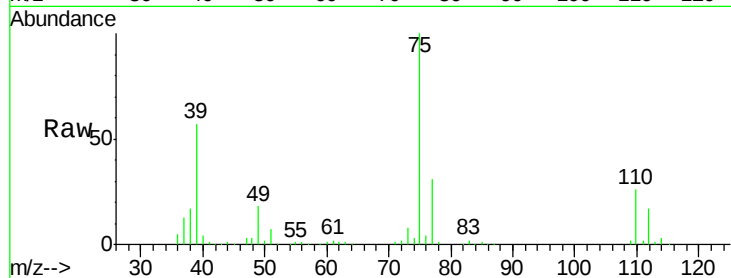
VX0427WBSD02

Tgt Ion: 75 Resp: 65808

Ion Ratio Lower Upper

75 100

77 30.5 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 18.493 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

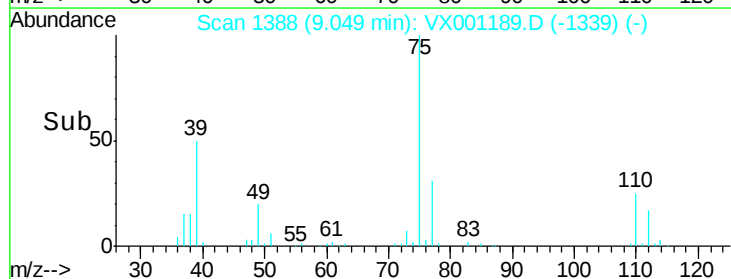
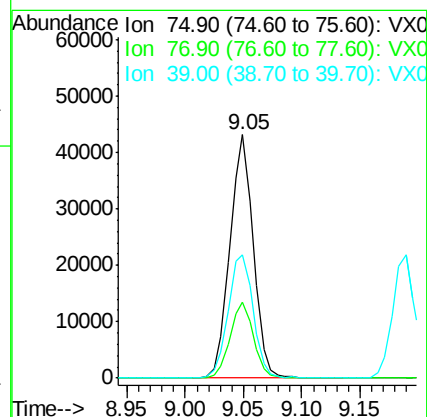
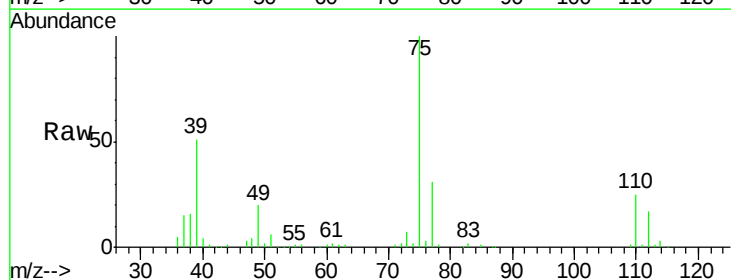
Tgt Ion: 75 Resp: 60058

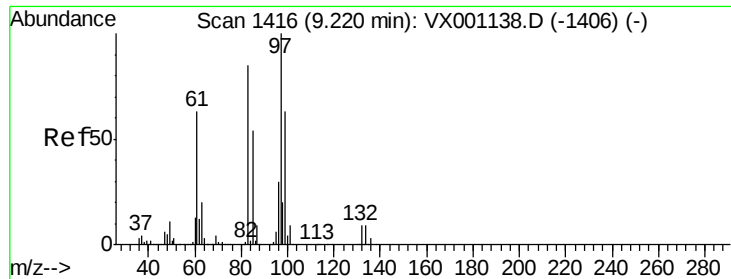
Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2

39 50.5 42.0 63.0

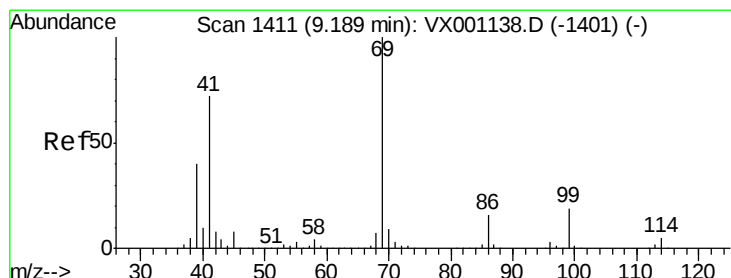
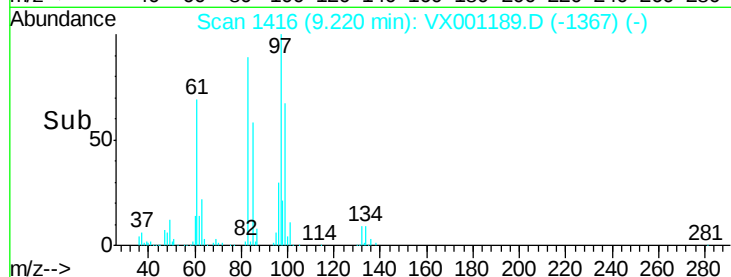
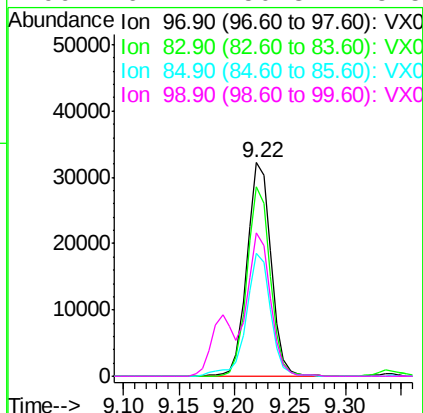
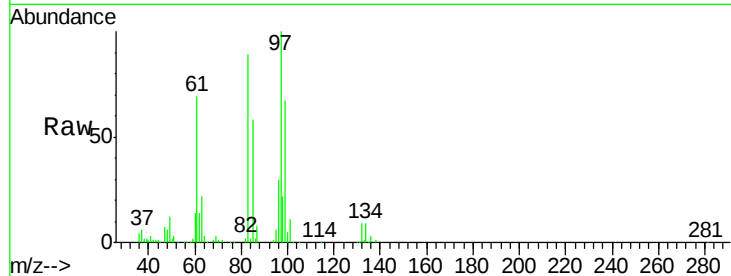




#55
 1,1,2-Trichloroethane
 Concen: 19.910 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

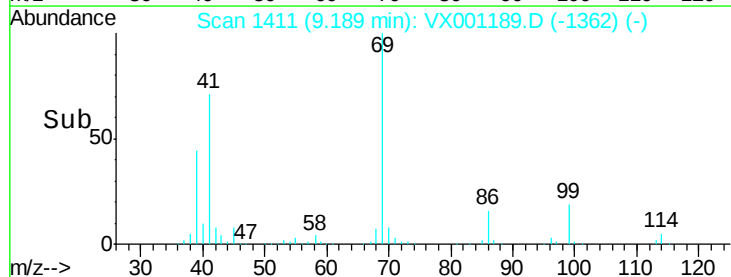
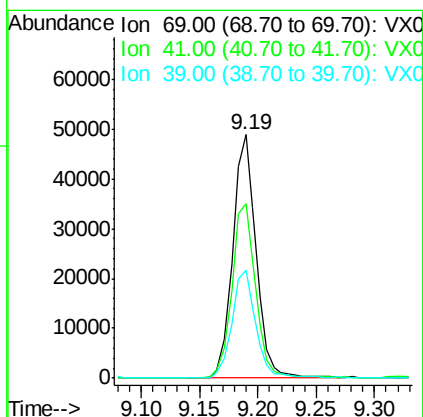
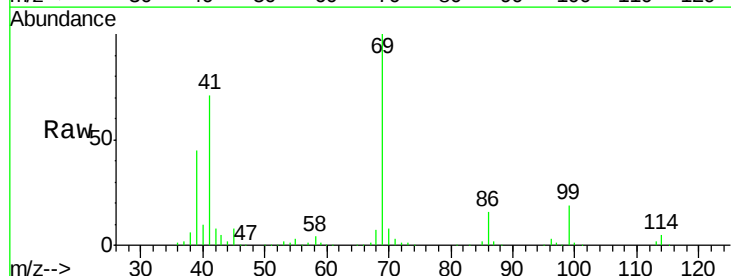
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

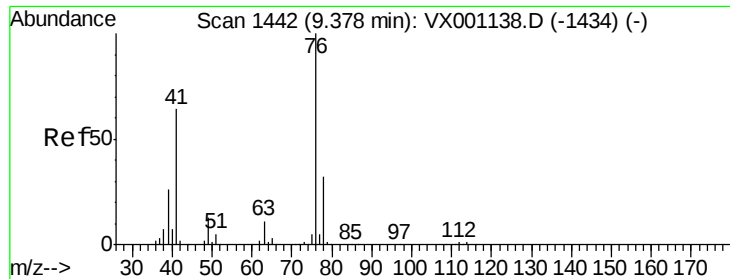
Tgt Ion:	97	Resp:	48456
Ion	Ratio	Lower	Upper
97	100		
83	88.8	68.0	102.0
85	57.5	42.9	64.3
99	67.4	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 18.917 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion:	69	Resp:	68213
Ion	Ratio	Lower	Upper
69	100		
41	72.5	57.7	86.5
39	44.6	33.3	49.9

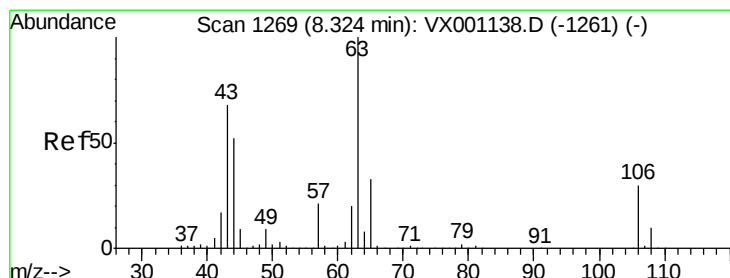
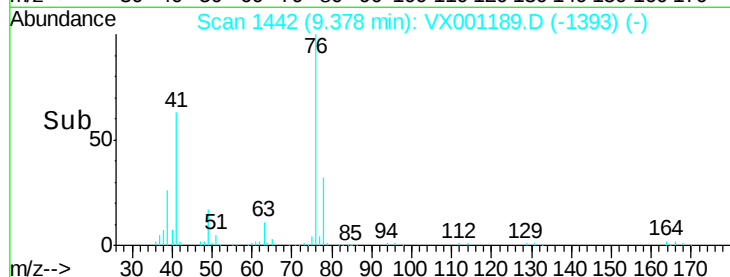
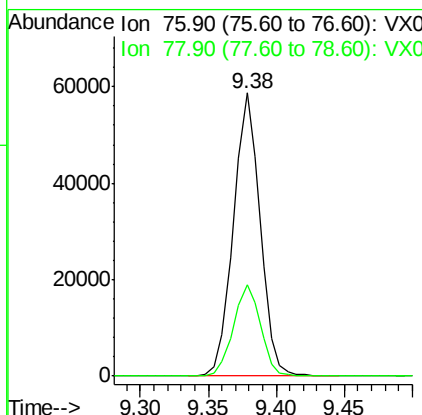
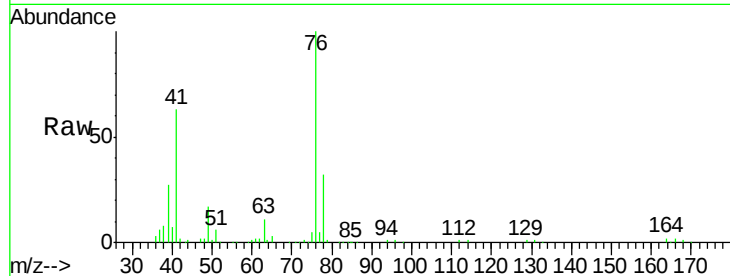




#57
 1,3-Dichloropropane
 Concen: 20.377 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

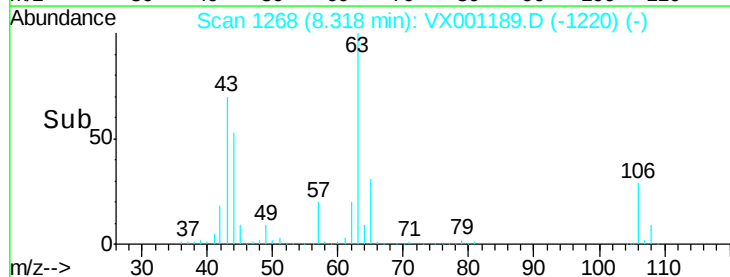
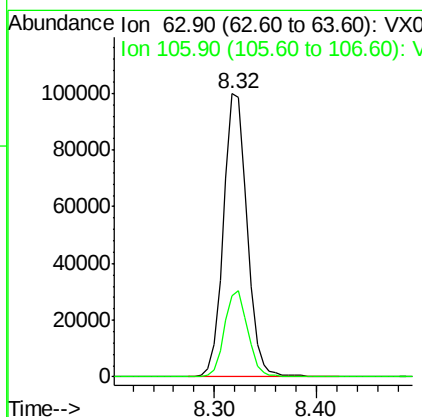
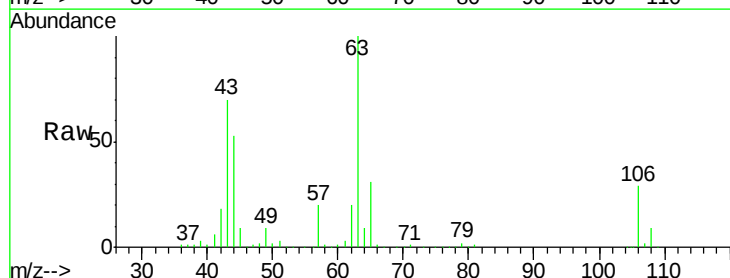
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

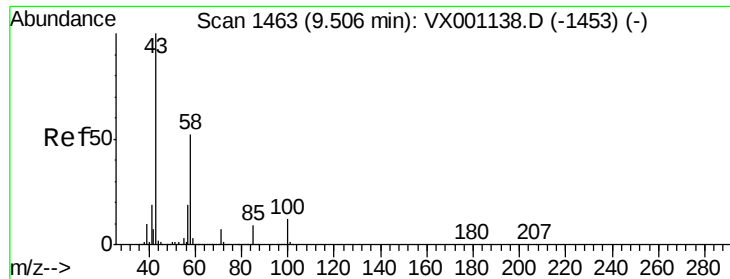
Tgt Ion: 76 Resp: 80229
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.852 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion: 63 Resp: 159989
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.7 35.5

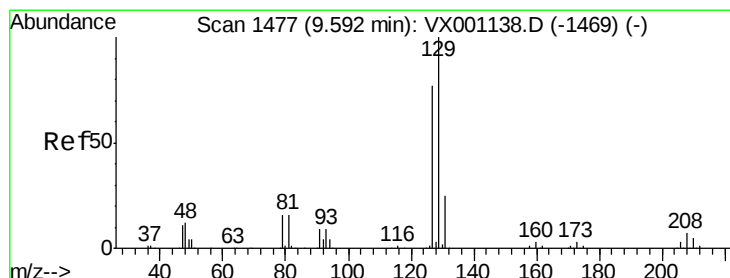
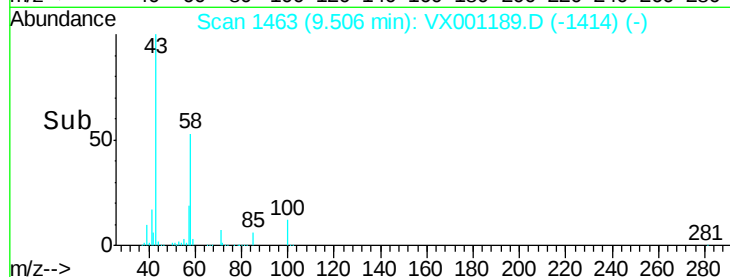
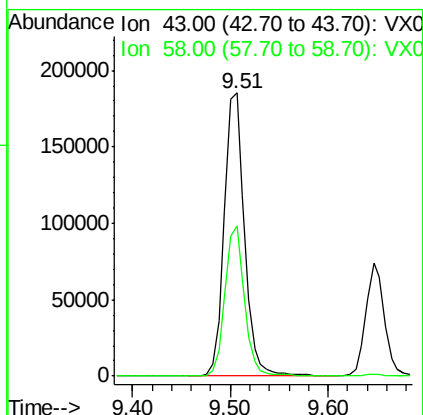
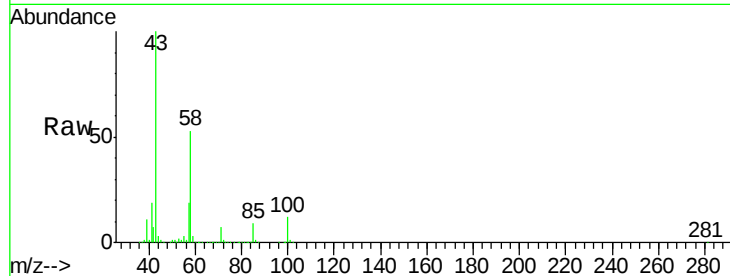




#59
2-Hexanone
Concen: 90.768 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

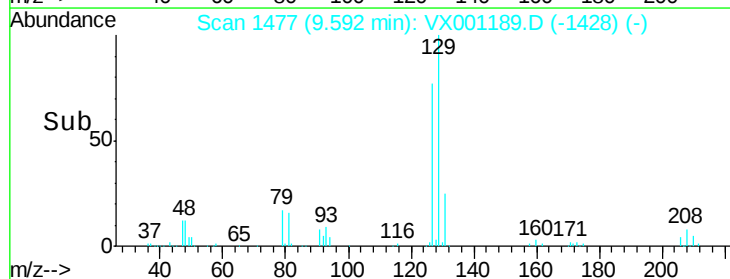
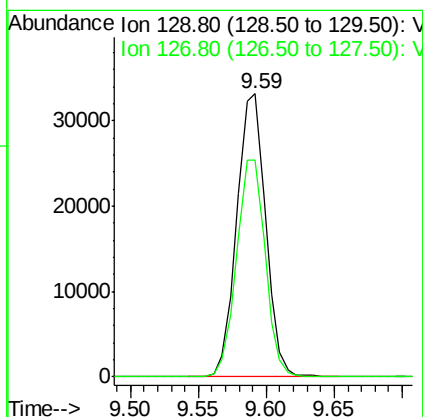
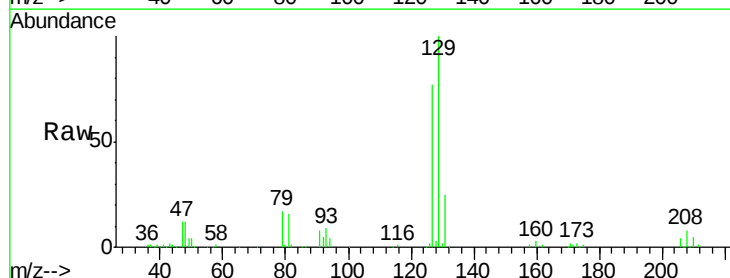
Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

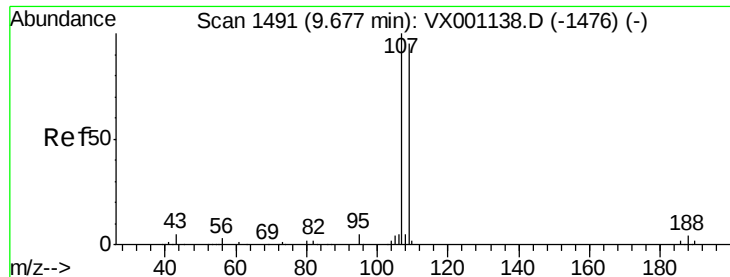
Tgt Ion: 43 Resp: 267171
Ion Ratio Lower Upper
43 100
58 51.2 25.8 77.4



#60
Dibromochloromethane
Concen: 19.491 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion: 129 Resp: 49191
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.2





#61

1,2-Dibromoethane

Concen: 20.383 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

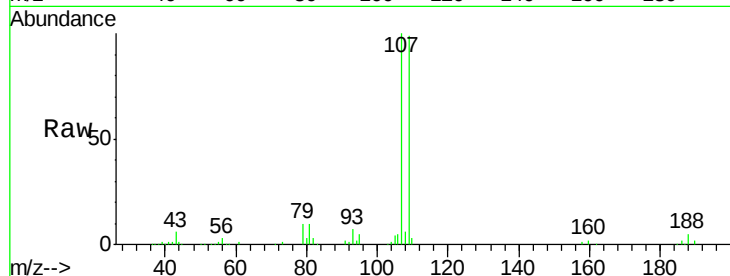
VX0427WBSD02

Tgt Ion: 107 Resp: 51971

Ion Ratio Lower Upper

107 100

109 95.4 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

40000

30000

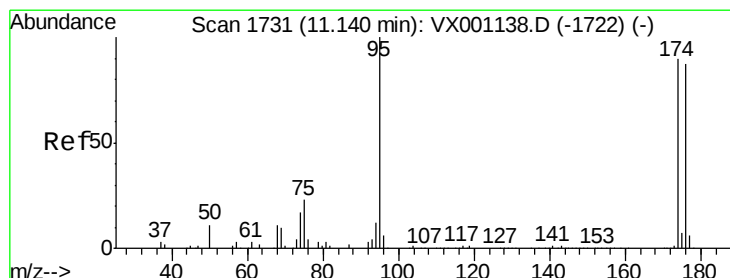
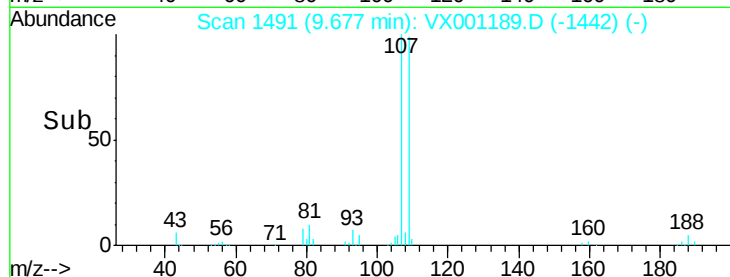
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 47.500 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

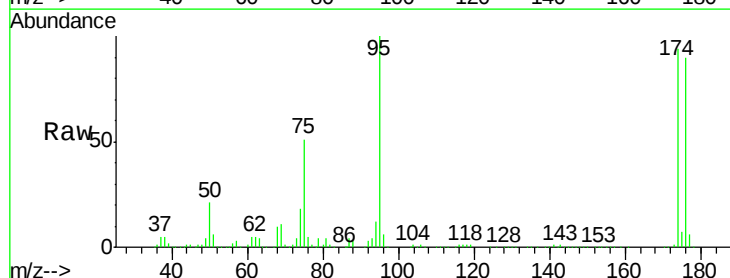
Tgt Ion: 95 Resp: 159942

Ion Ratio Lower Upper

95 100

174 102.1 0.0 194.4

176 99.2 0.0 190.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

150000

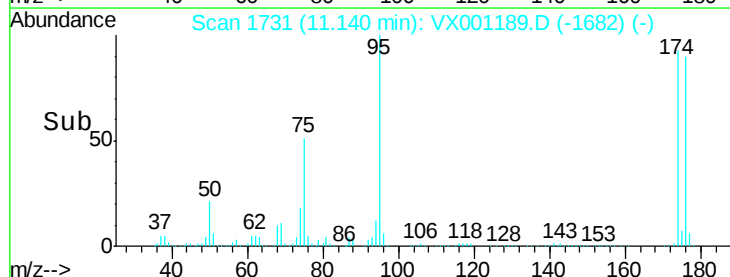
100000

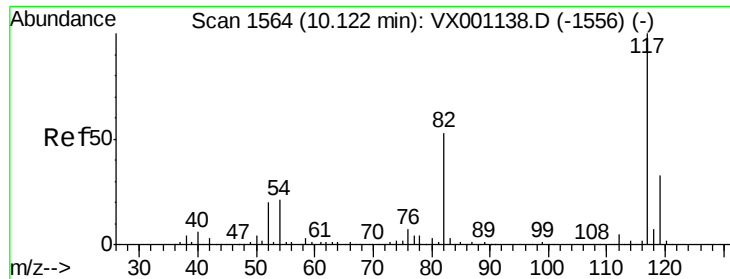
50000

0

Time-->

11.10 11.20

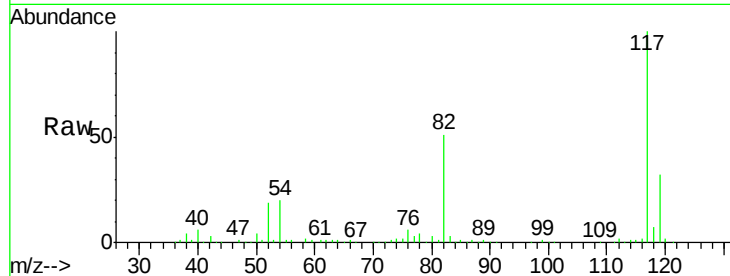




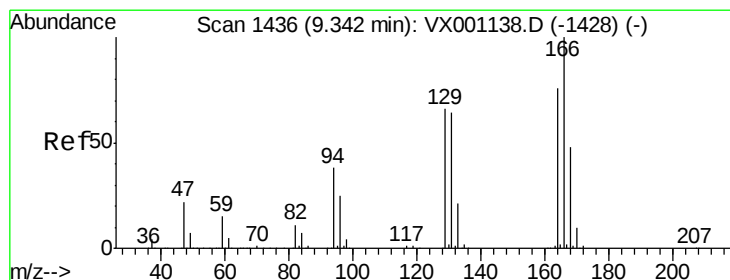
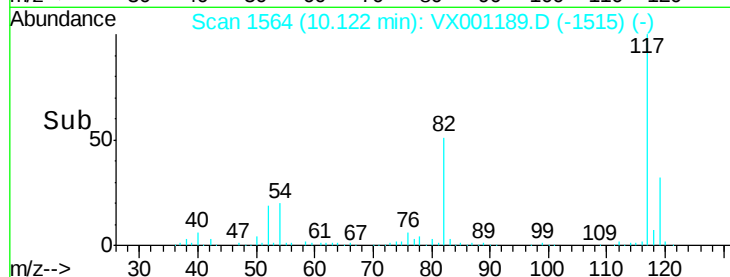
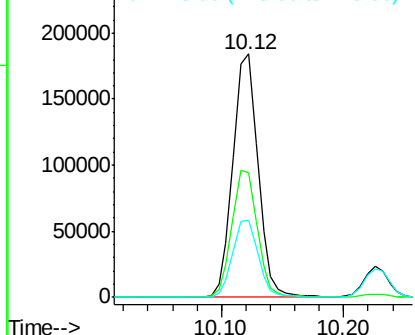
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tgt Ion:117 Resp: 263035
Ion Ratio Lower Upper
117 100
82 51.2 42.1 63.1
119 31.8 26.1 39.1



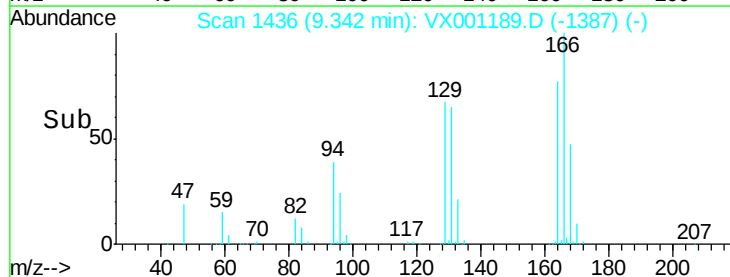
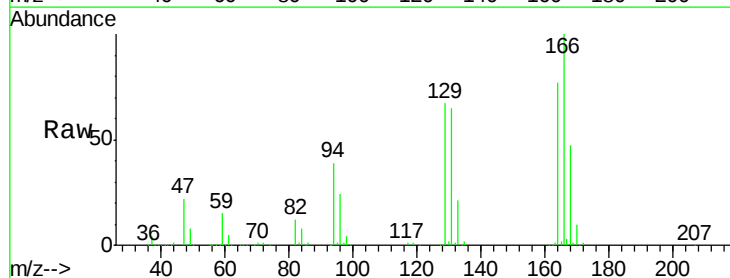
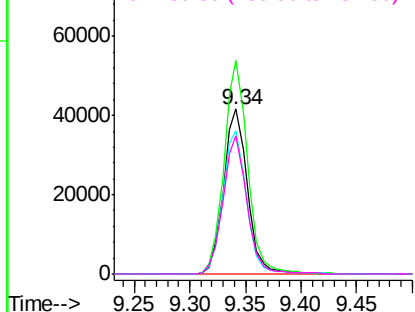
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

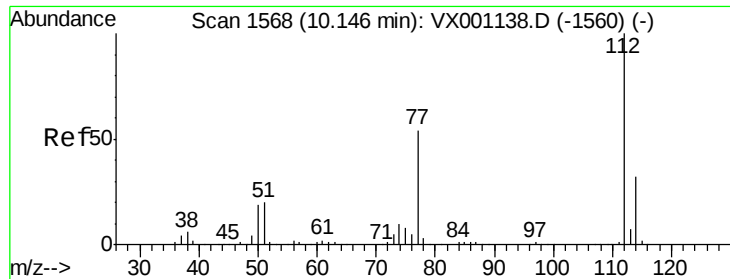


#64
Tetrachloroethene
Concen: 22.130 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion:164 Resp: 62133
Ion Ratio Lower Upper
164 100
166 129.5 105.0 157.6
129 87.1 69.4 104.2
131 84.0 67.3 100.9

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.443 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

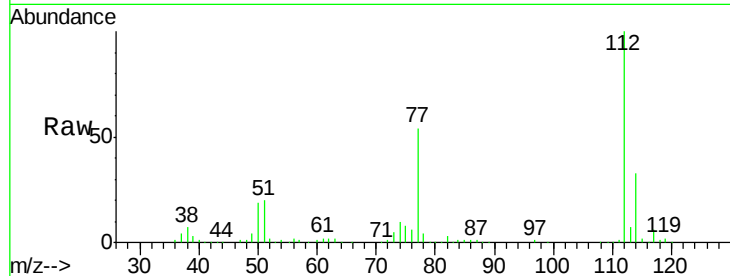
VX0427WBSD02

Tgt Ion:112 Resp: 140882

Ion Ratio Lower Upper

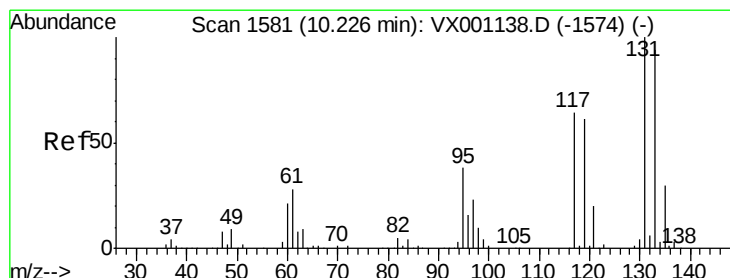
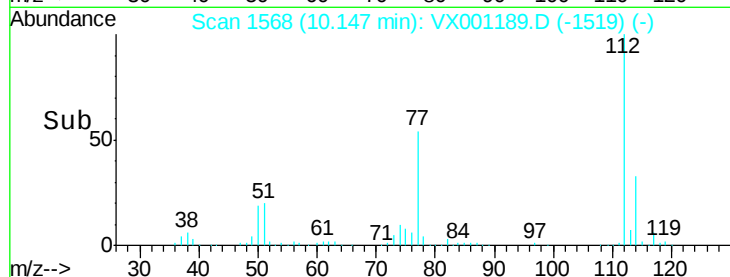
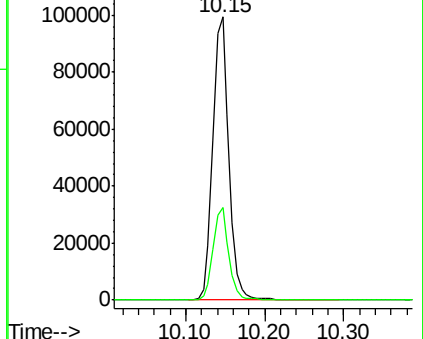
112 100

114 32.6 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.551 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

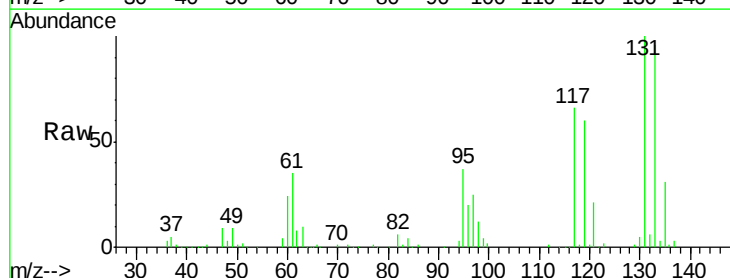
Tgt Ion:131 Resp: 49000

Ion Ratio Lower Upper

131 100

133 96.5 47.8 143.4

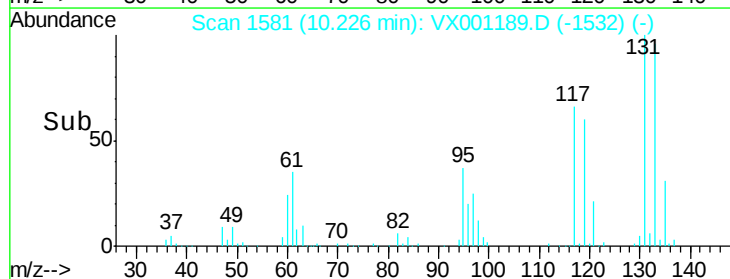
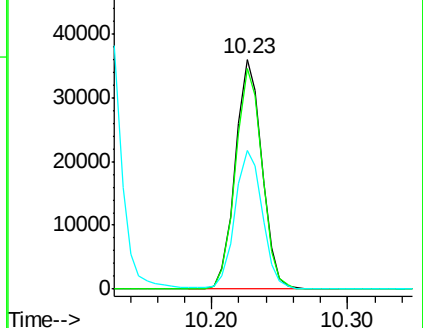
119 62.4 31.3 93.8

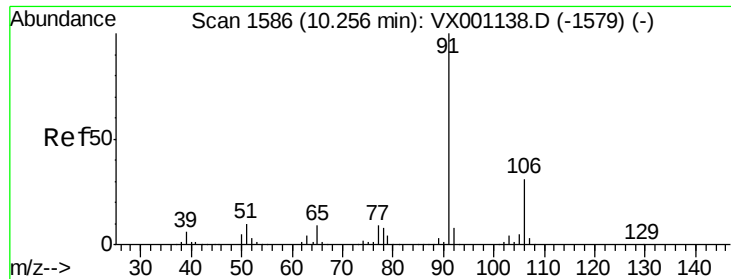


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.729 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

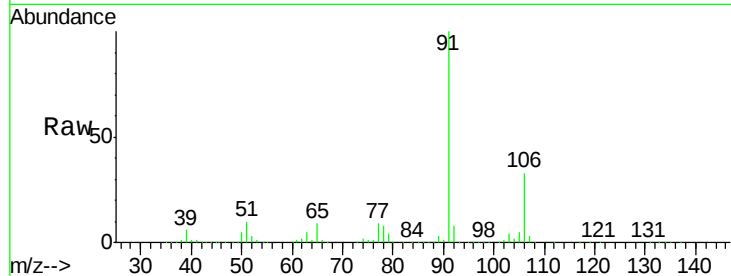
VX0427WBSD02

Tgt Ion: 91 Resp: 232100

Ion Ratio Lower Upper

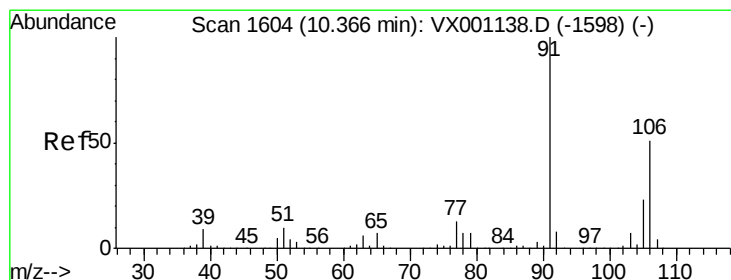
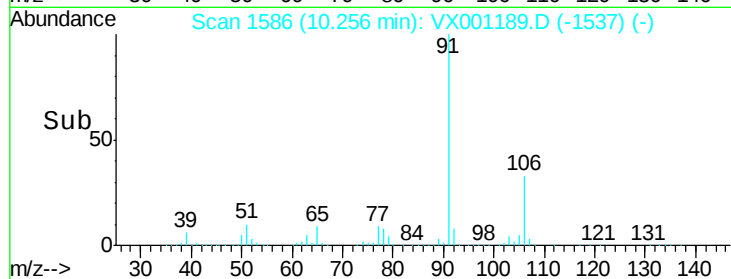
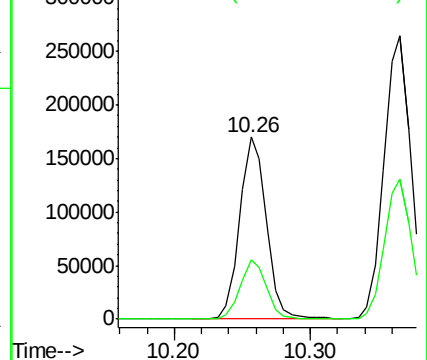
91 100

106 32.5 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.176 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001189.D

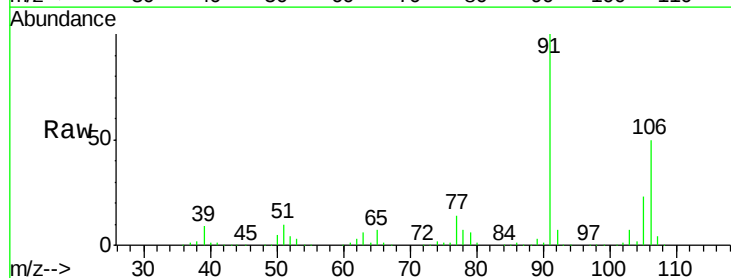
Acq: 28 Apr 2018 00:08

Tgt Ion: 106 Resp: 182268

Ion Ratio Lower Upper

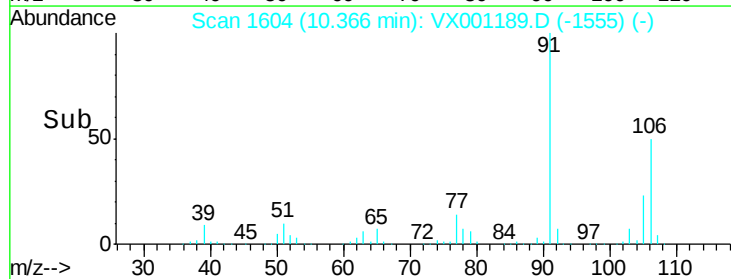
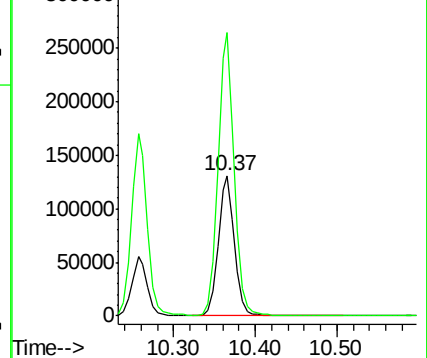
106 100

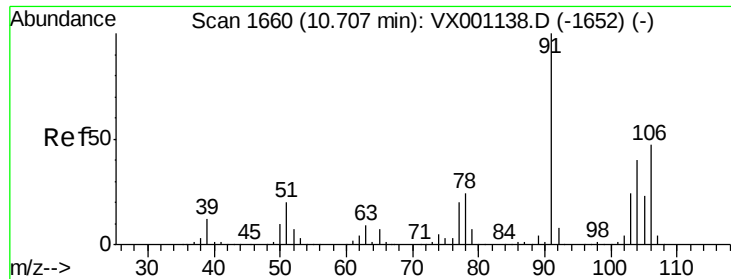
91 203.7 160.9 241.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

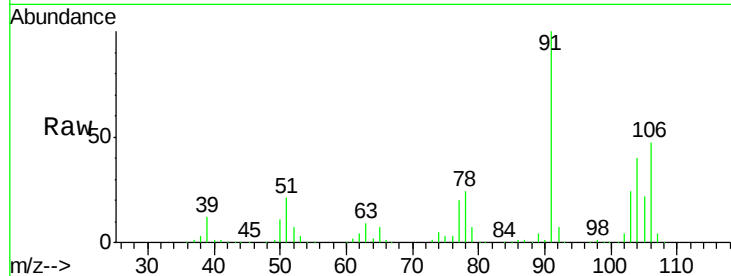




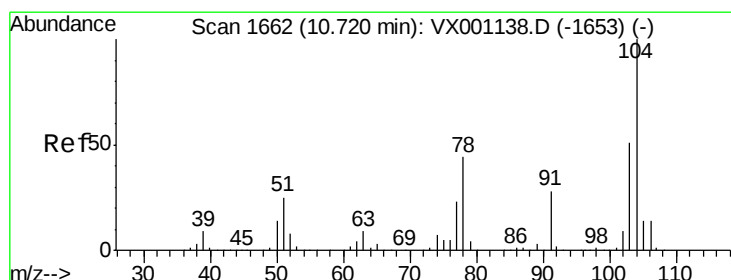
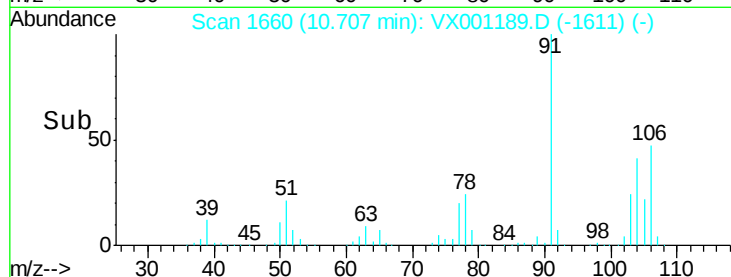
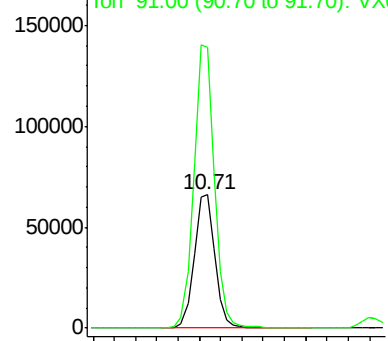
#69
o-Xylene
Concen: 20.895 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tgt Ion:106 Resp: 89713
Ion Ratio Lower Upper
106 100
91 211.7 106.2 318.5

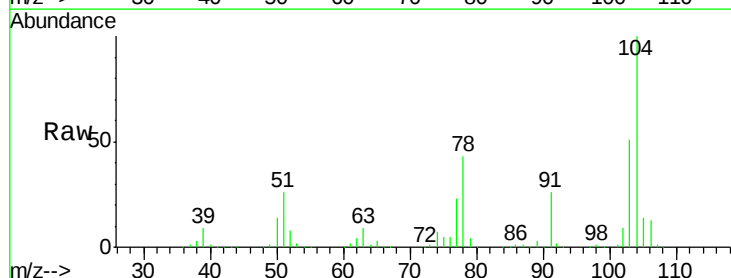


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

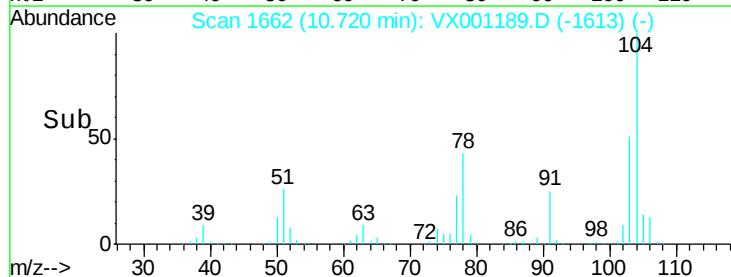
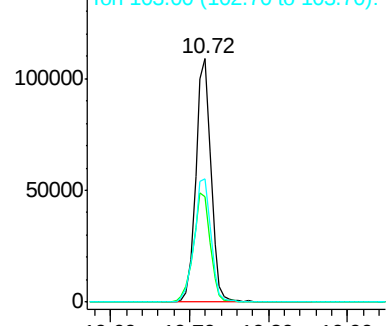


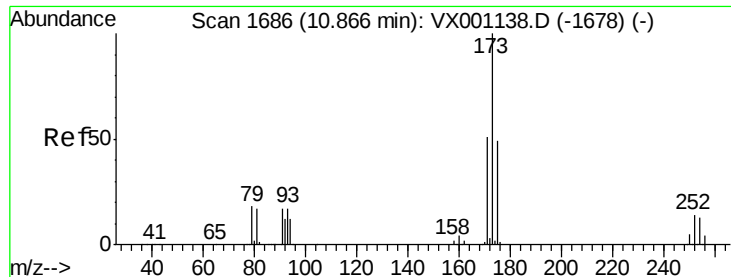
#70
Styrene
Concen: 20.373 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion:104 Resp: 145574
Ion Ratio Lower Upper
104 100
78 50.4 40.3 60.5
103 56.0 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

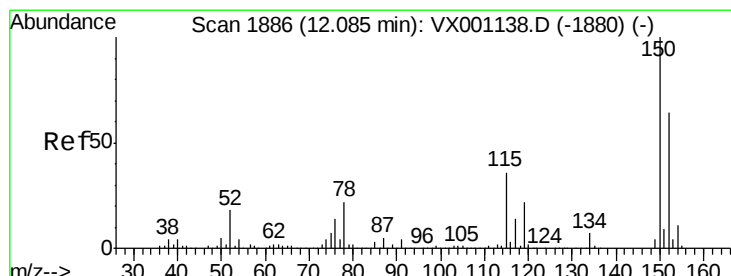
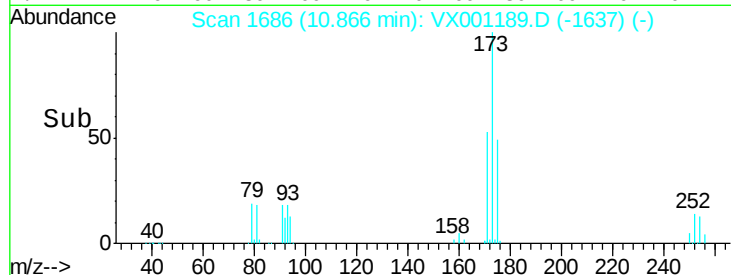
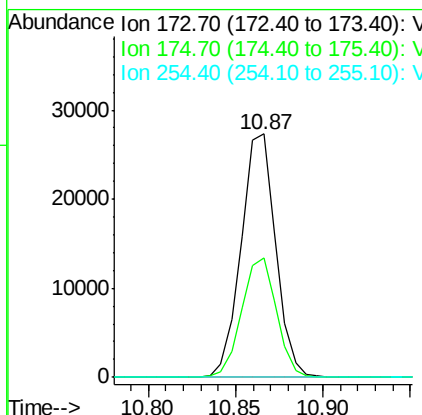
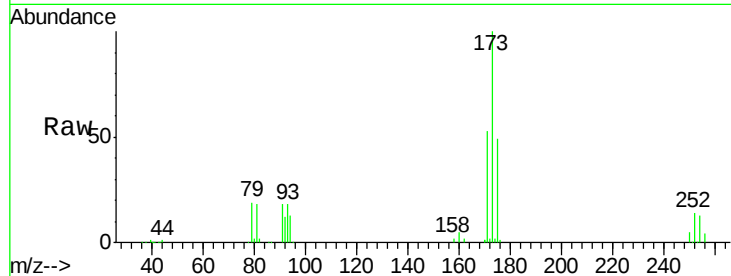




#71
Bromoform
Concen: 18.450 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

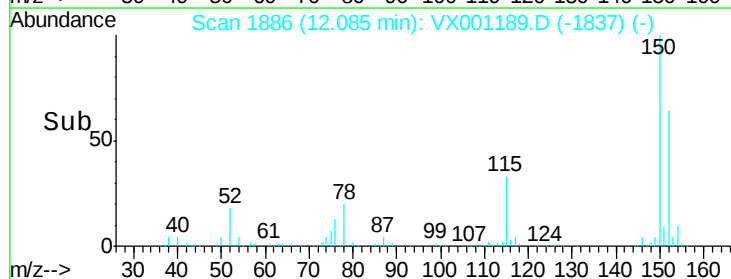
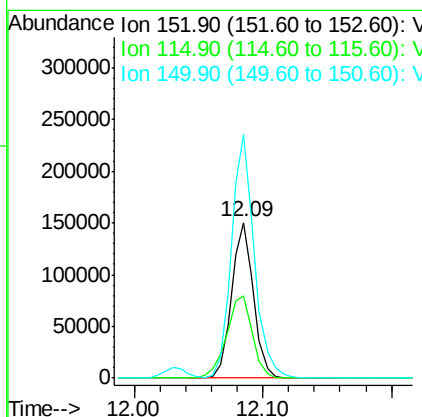
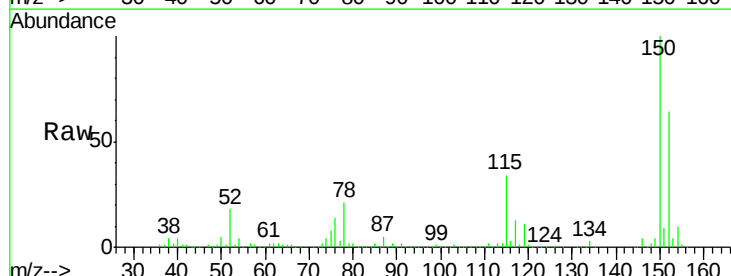
Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

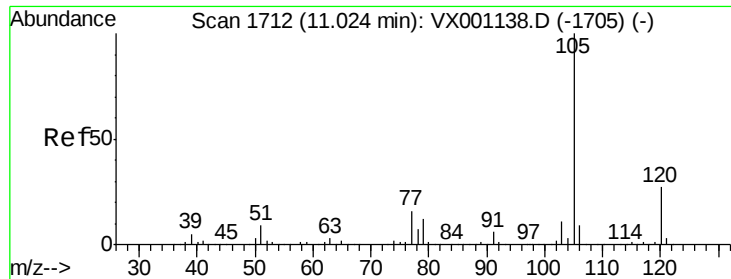
Tgt Ion:173 Resp: 37575
Ion Ratio Lower Upper
173 100
175 49.3 24.6 73.8
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion:152 Resp: 177087
Ion Ratio Lower Upper
152 100
115 63.3 38.0 114.0
150 164.0 0.0 349.6





#73

Isopropylbenzene

Concen: 20.768 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

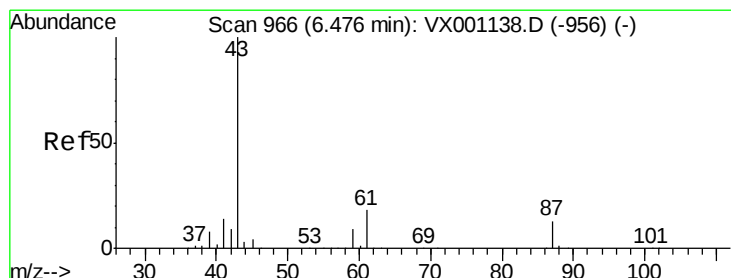
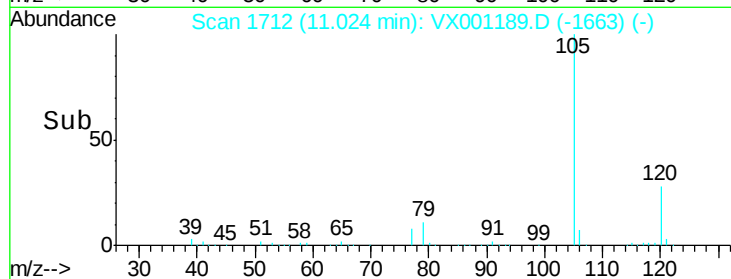
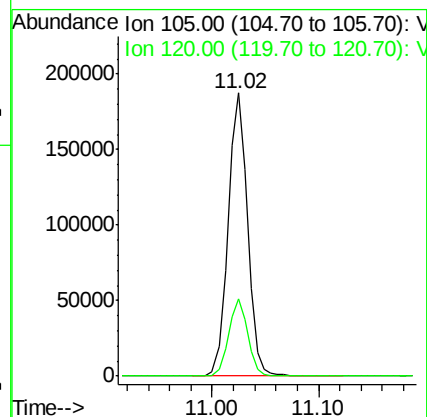
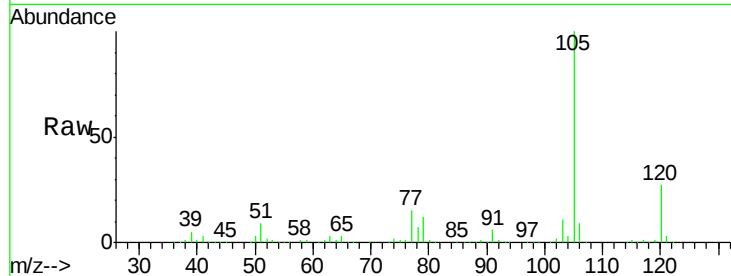
VX0427WBSD02

Tgt Ion: 105 Resp: 239714

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.8



#74

N-ethyl acetate

Concen: 18.304 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Tgt Ion: 43 Resp: 106459

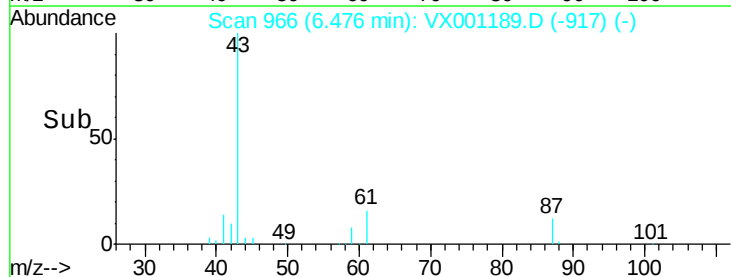
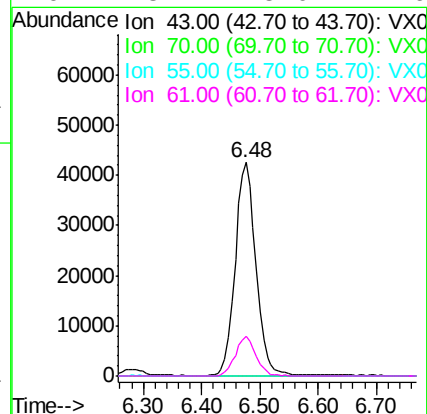
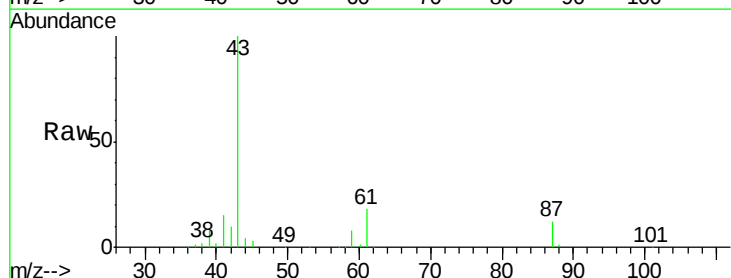
Ion Ratio Lower Upper

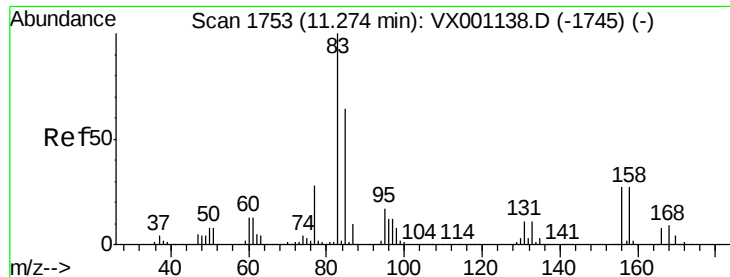
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 18.2 15.0 22.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.028 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

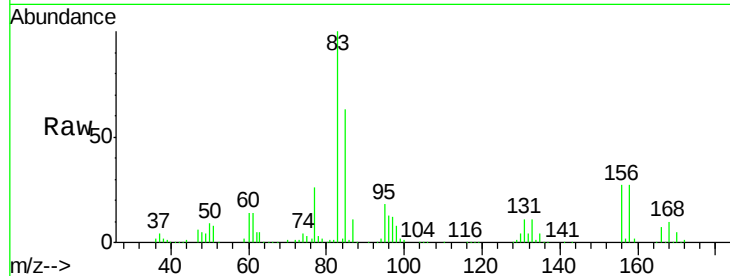
Tgt Ion: 83 Resp: 72870

Ion Ratio Lower Upper

83 100

131 11.2 5.8 17.4

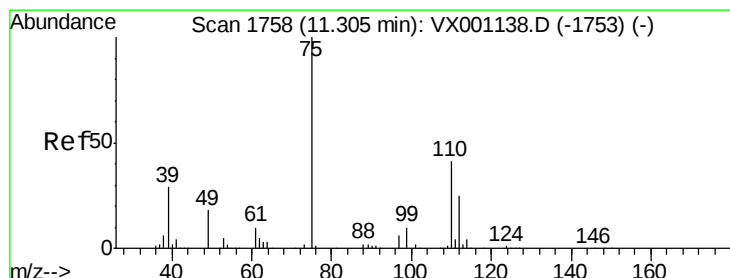
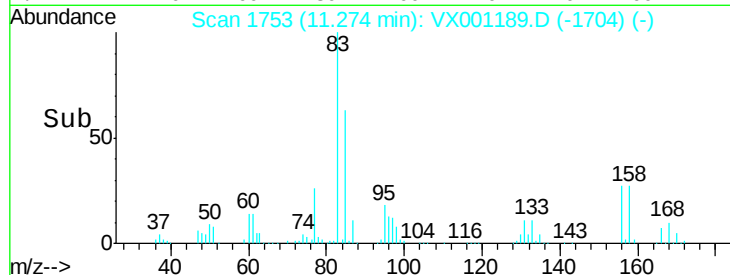
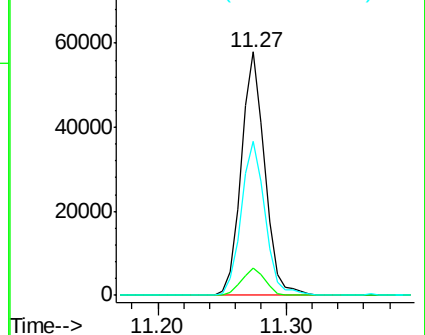
85 64.6 32.1 96.3



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: 21.489 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX001189.D

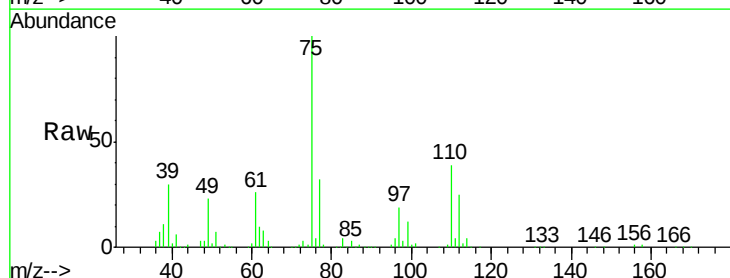
Acq: 28 Apr 2018 00:08

Tgt Ion: 75 Resp: 77489

Ion Ratio Lower Upper

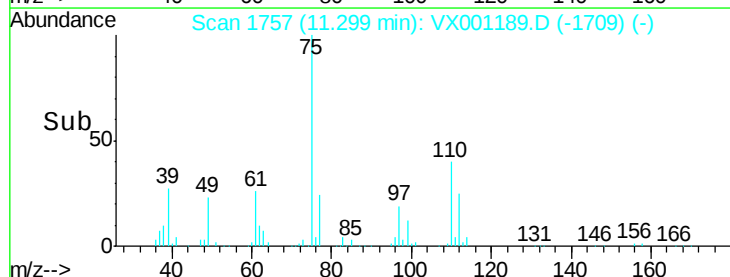
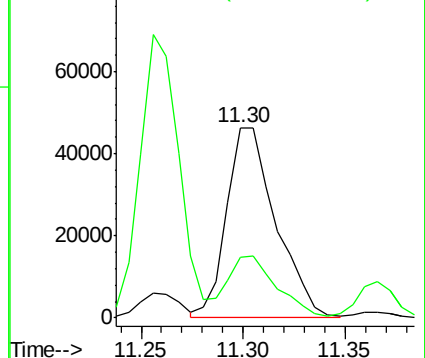
75 100

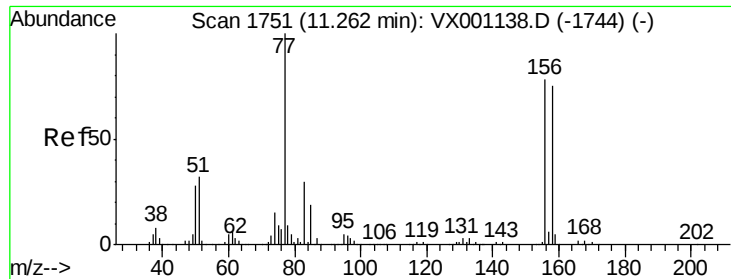
77 31.1 18.9 56.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.538 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

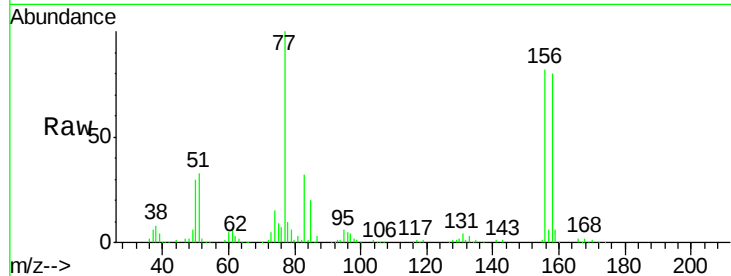
Tgt Ion:156 Resp: 70297

Ion Ratio Lower Upper

156 100

77 132.0 67.8 203.2

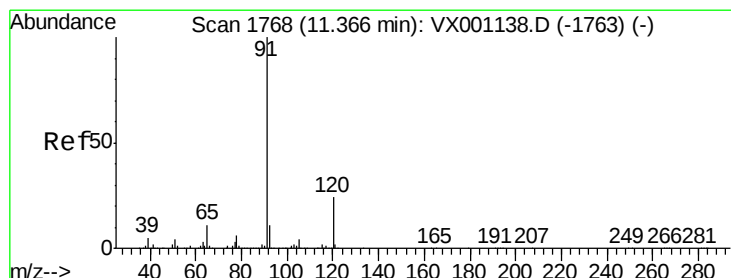
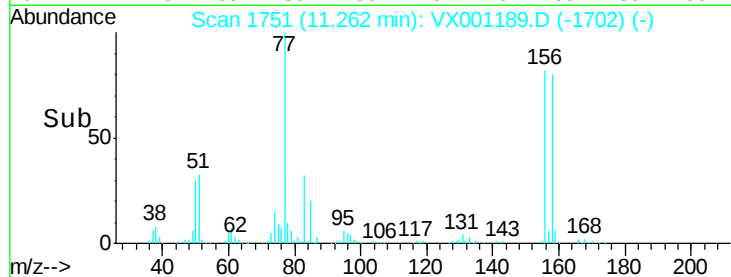
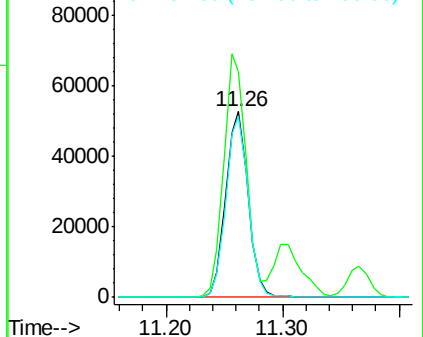
158 97.4 48.9 146.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.838 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001189.D

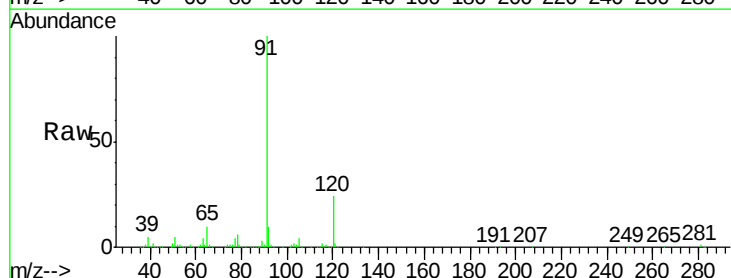
Acq: 28 Apr 2018 00:08

Tgt Ion: 91 Resp: 268199

Ion Ratio Lower Upper

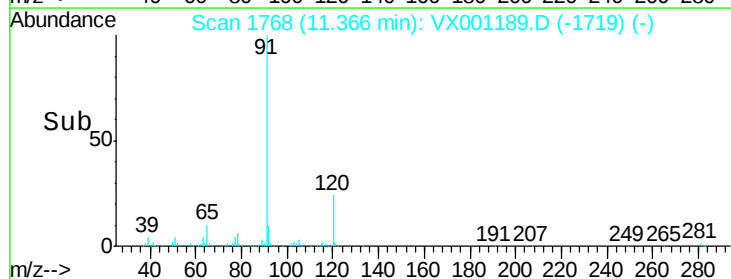
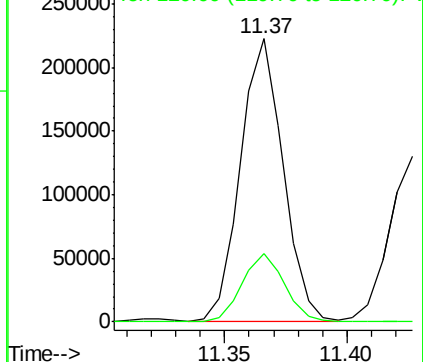
91 100

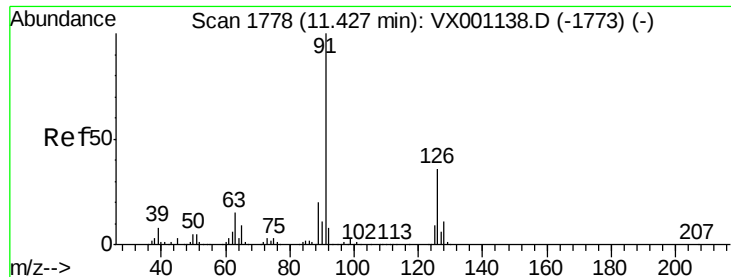
120 24.5 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.211 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

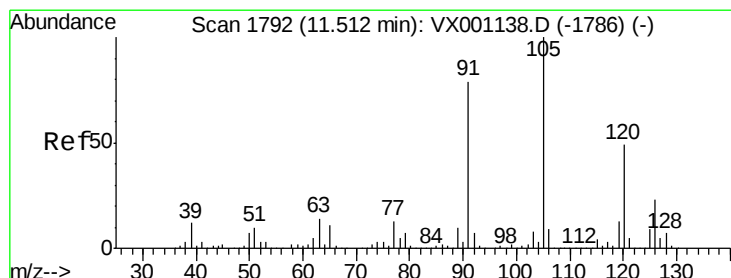
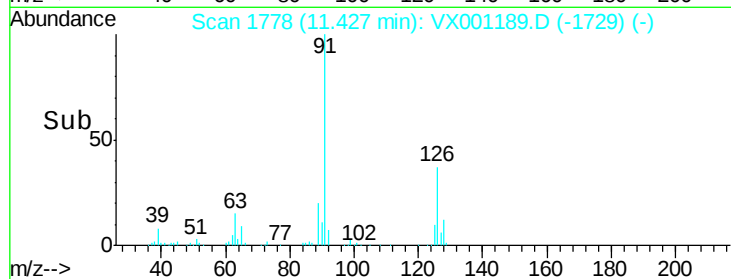
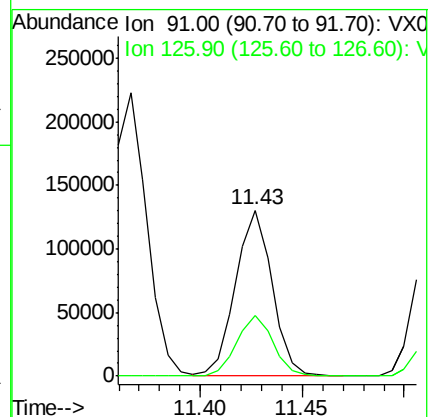
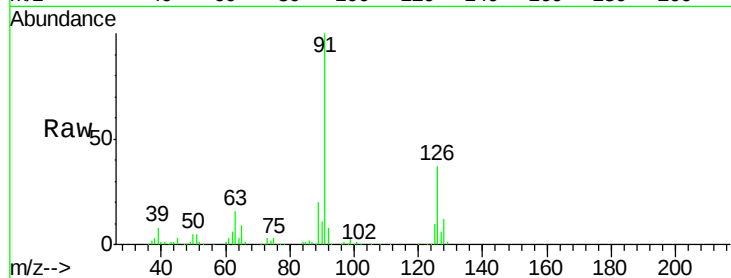
VX0427WBSD02

Tgt Ion: 91 Resp: 161252

Ion Ratio Lower Upper

91 100

126 36.7 18.2 54.6



#80

1,3,5-Trimethylbenzene

Concen: 20.879 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001189.D

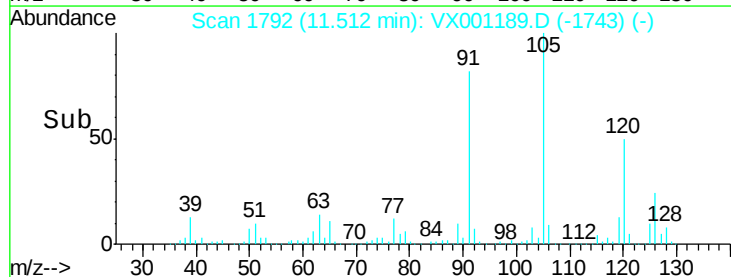
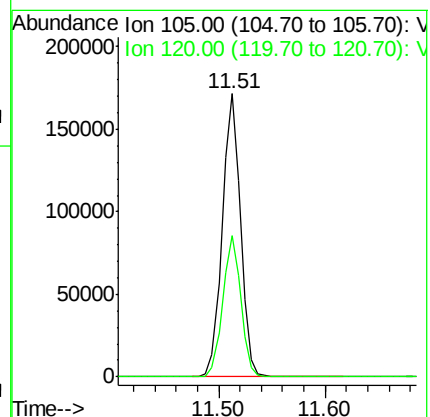
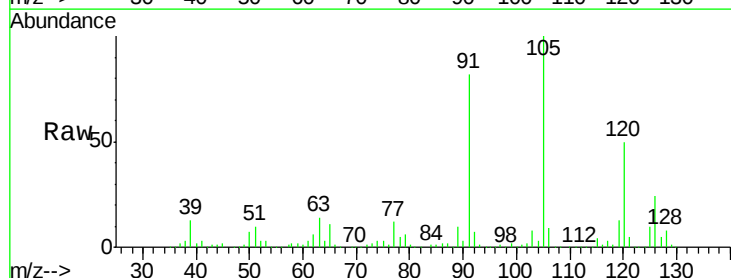
Acq: 28 Apr 2018 00:08

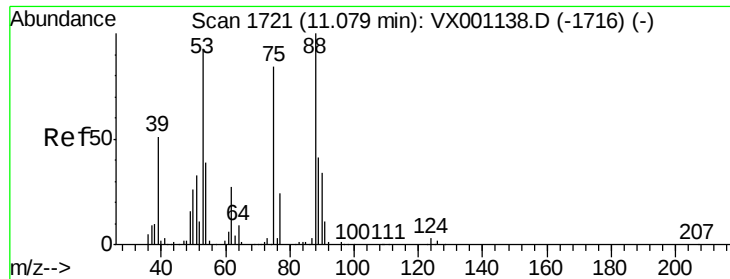
Tgt Ion: 105 Resp: 204036

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0

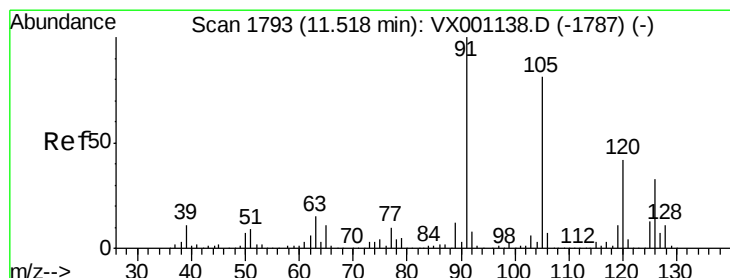
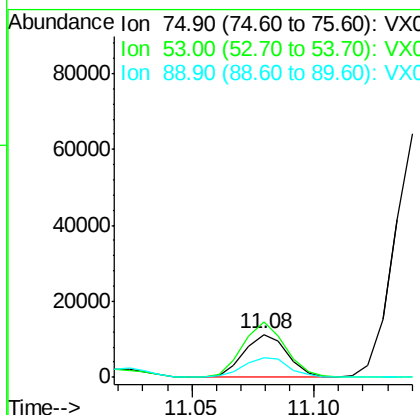
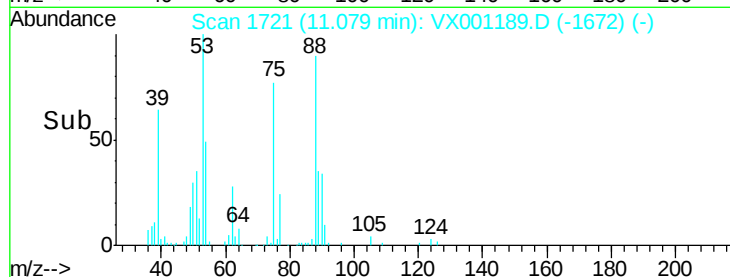
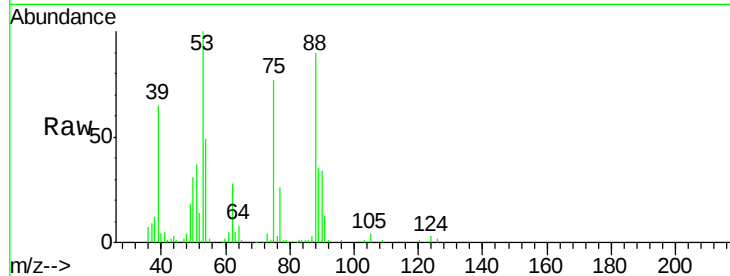




#81
trans-1,4-Dichloro-2-butene
Concen: 16.224 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

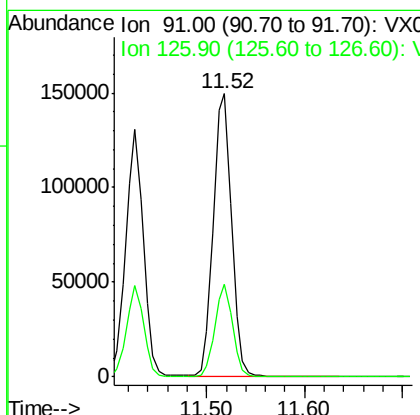
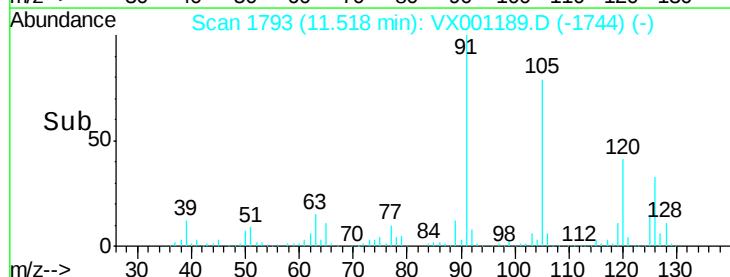
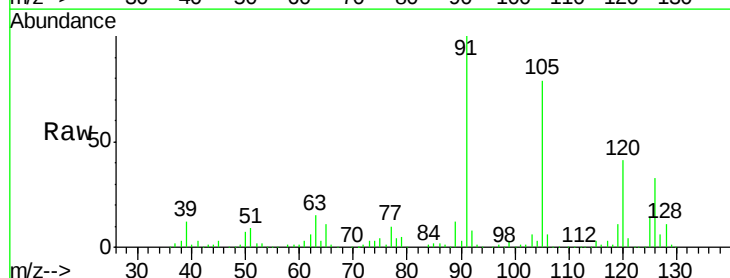
Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

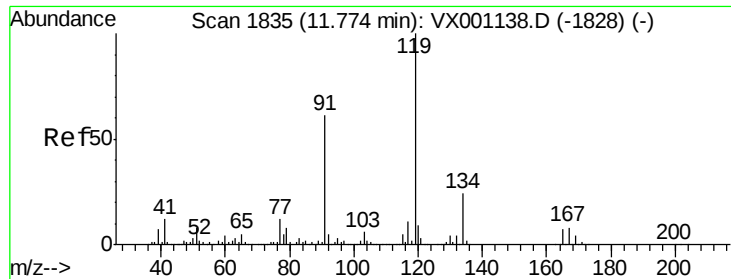
Tgt Ion: 75 Resp: 13995
Ion Ratio Lower Upper
75 100
53 128.2 87.9 131.9
89 47.4 37.7 56.5



#82
4-Chlorotoluene
Concen: 20.561 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion: 91 Resp: 194979
Ion Ratio Lower Upper
91 100
126 31.6 15.8 47.4

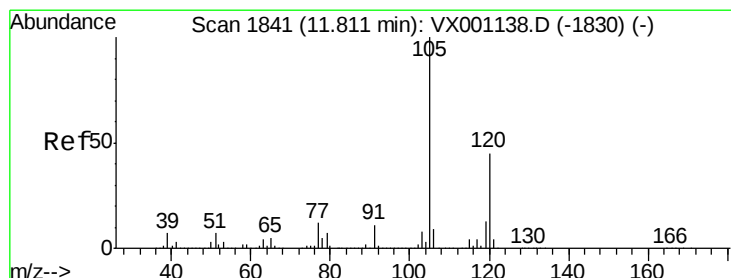
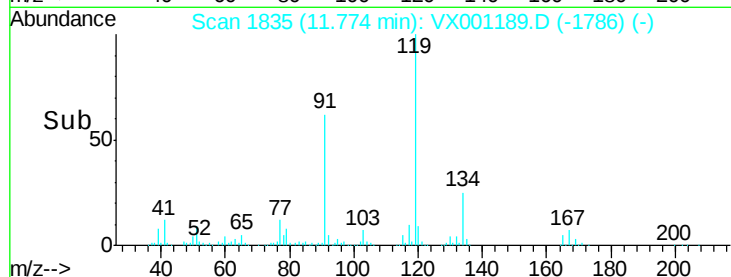
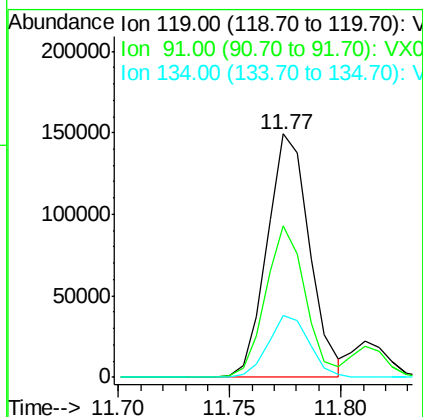
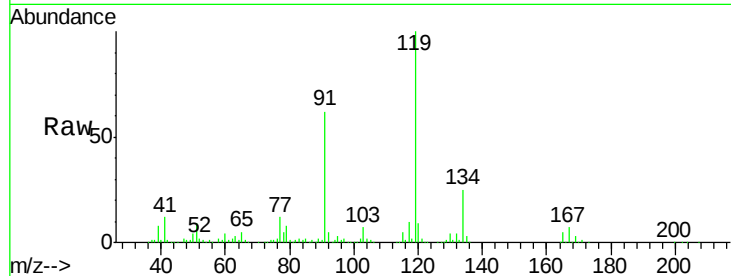




#83
 tert-Butylbenzene
 Concen: 20.191 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

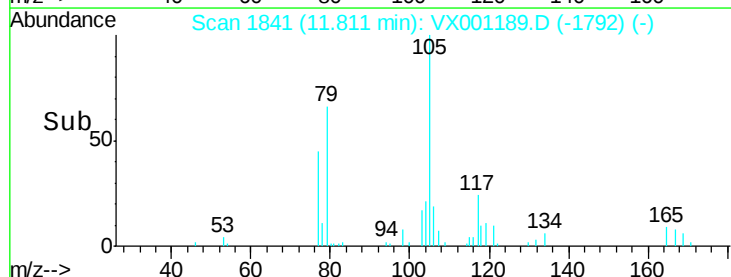
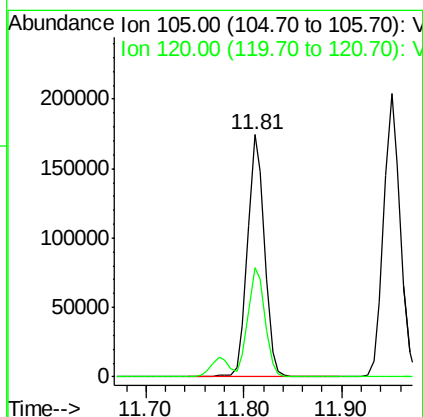
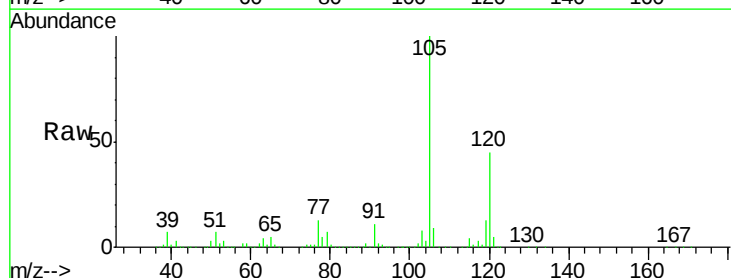
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

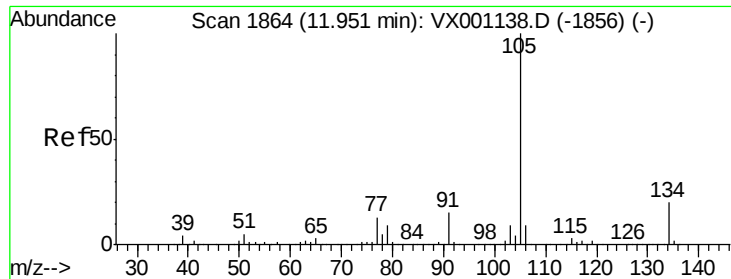
Tgt Ion:119 Resp: 196912
 Ion Ratio Lower Upper
 119 100
 91 58.4 27.6 82.8
 134 24.6 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.949 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion:105 Resp: 210422
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.4 67.3

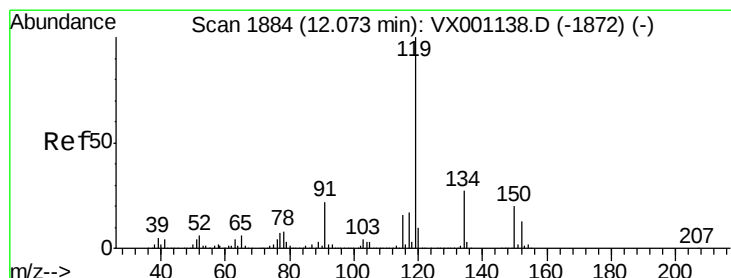
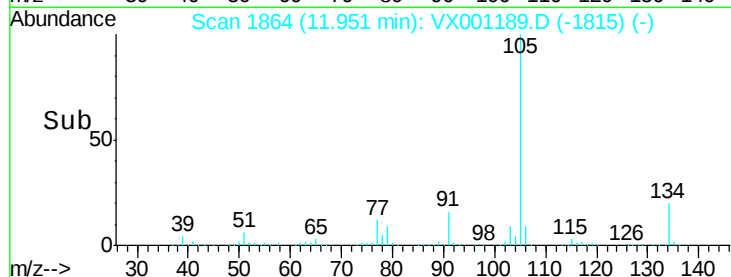
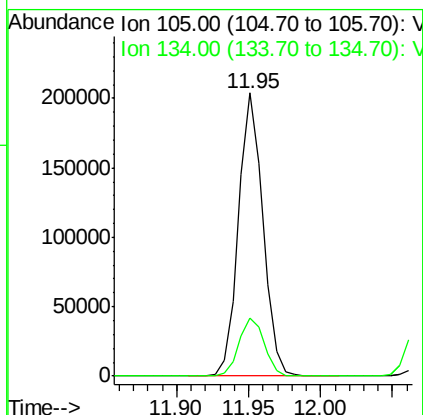
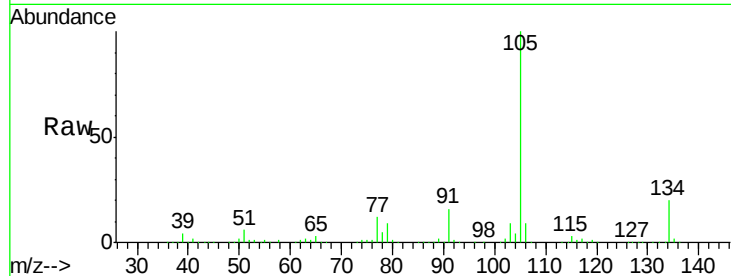




#85
 sec-Butylbenzene
 Concen: 21.151 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

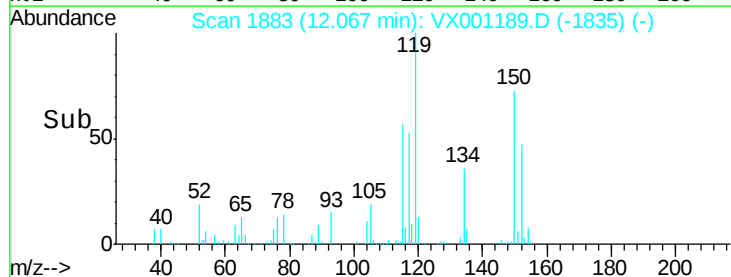
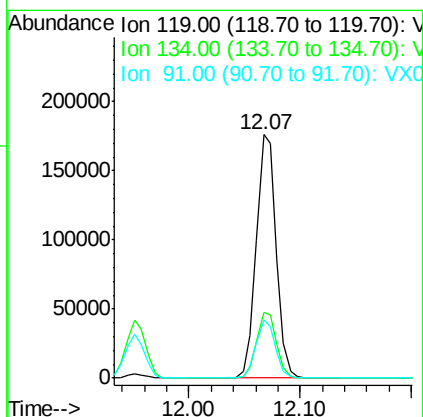
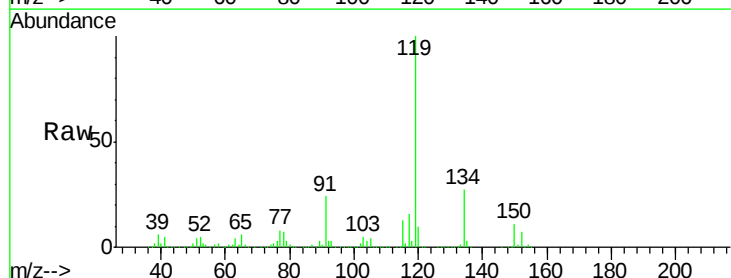
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

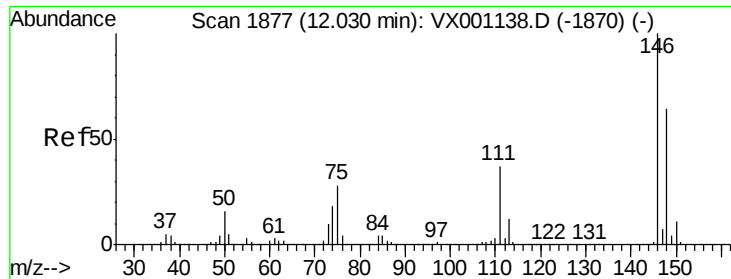
Tgt Ion:105 Resp: 240957
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 20.732 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion:119 Resp: 219709
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.4 40.1
 91 23.3 11.6 34.8

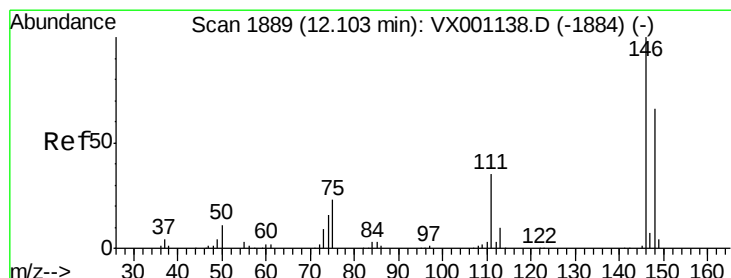
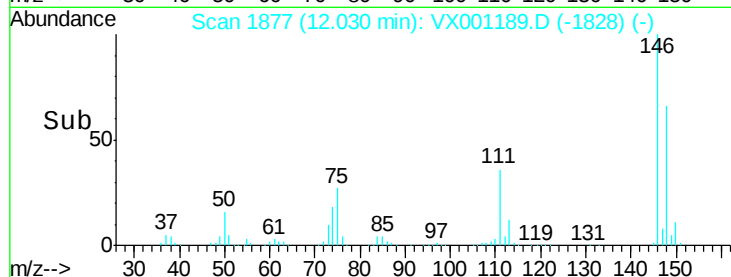
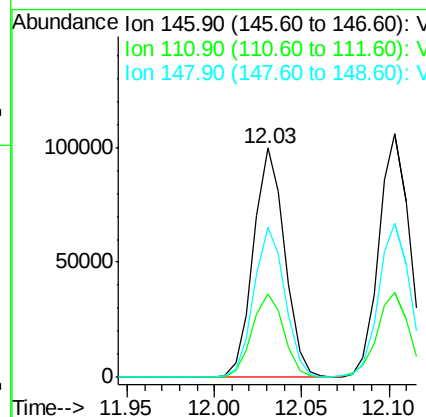
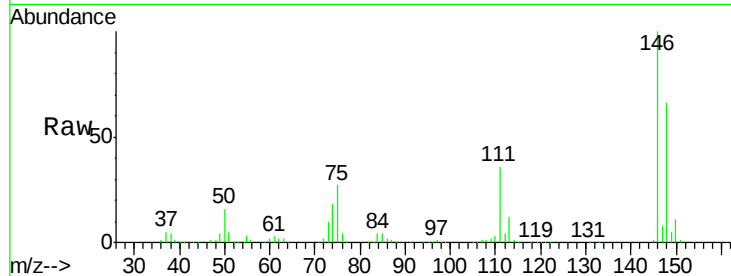




#87
 1,3-Dichlorobenzene
 Concen: 20.276 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

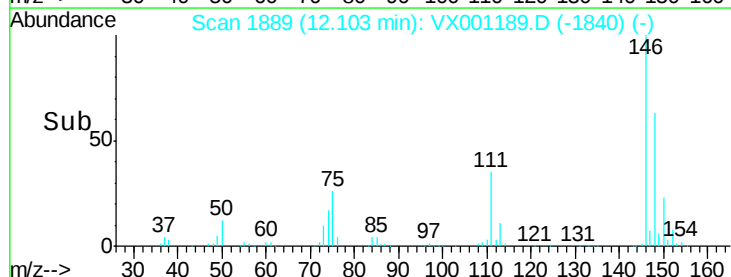
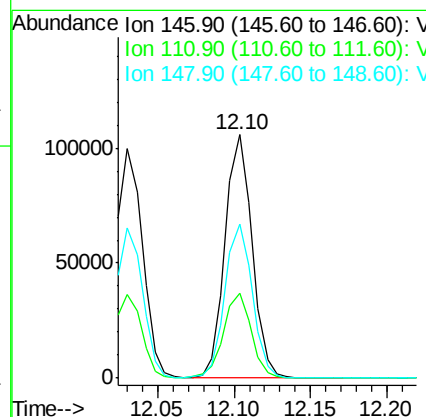
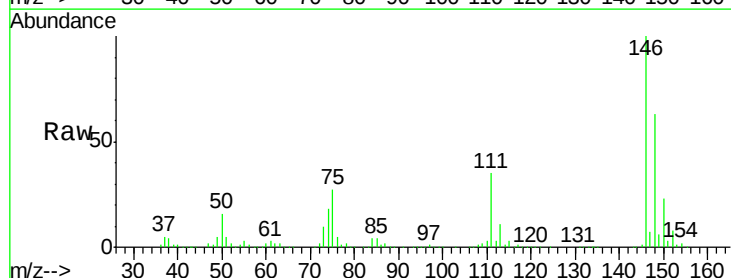
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

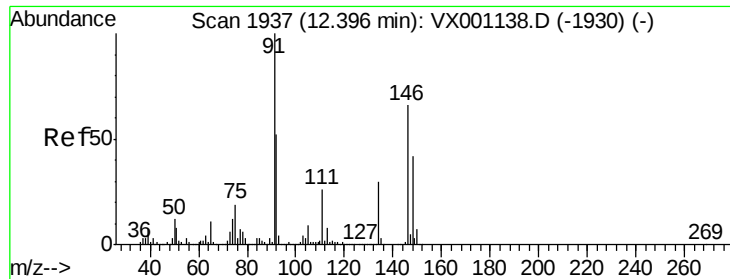
Tgt Ion:146 Resp: 124594
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.6 56.0
 148 65.1 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.247 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion:146 Resp: 129628
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.0 54.0
 148 64.8 32.5 97.5





#89

n-Butylbenzene

Concen: 20.024 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

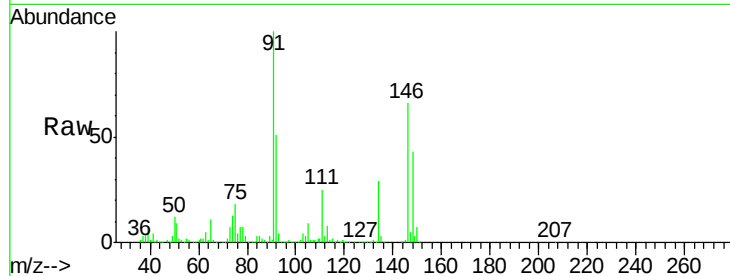
Tgt Ion: 91 Resp: 183664

Ion Ratio Lower Upper

91 100

92 52.0 26.2 78.6

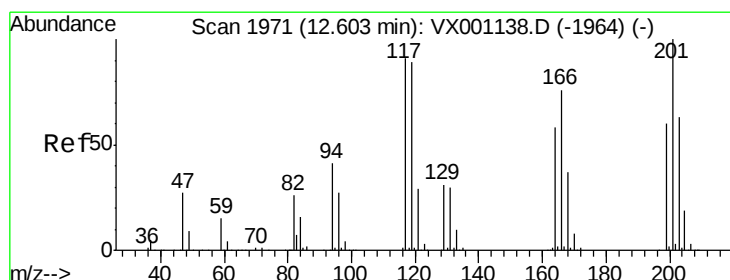
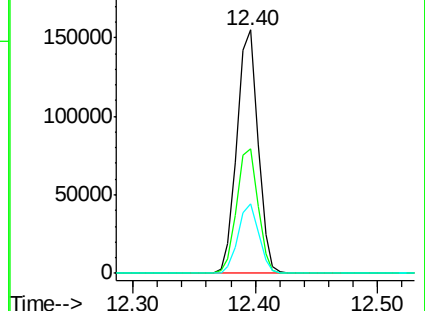
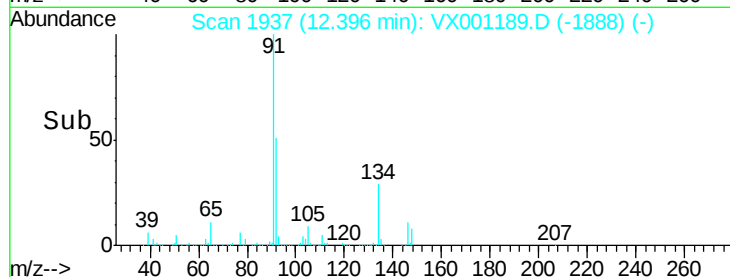
134 28.1 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.521 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX001189.D

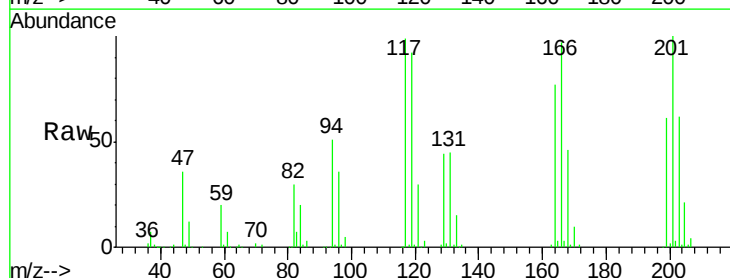
Acq: 28 Apr 2018 00:08

Tgt Ion: 117 Resp: 29610

Ion Ratio Lower Upper

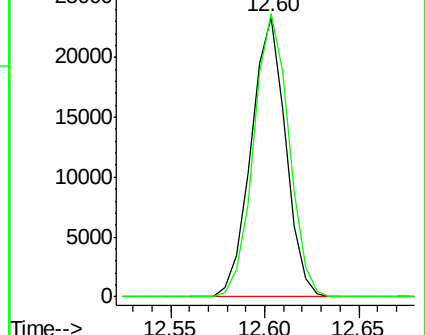
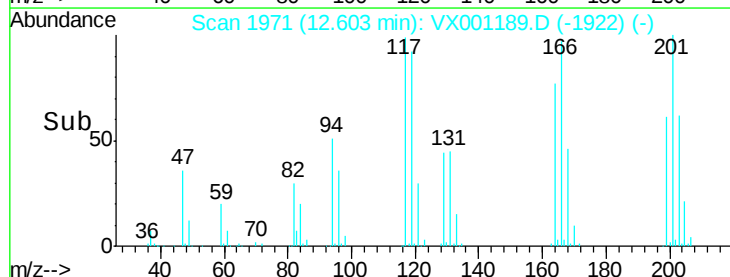
117 100

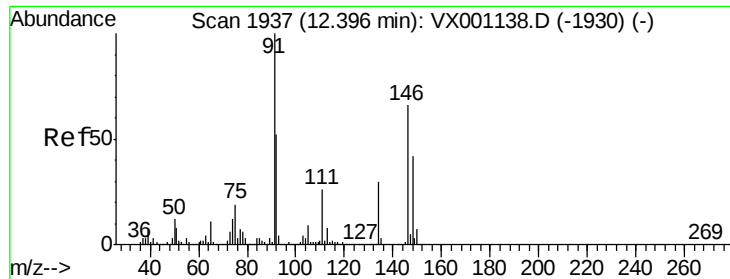
201 102.8 51.8 155.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.278 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBSD02

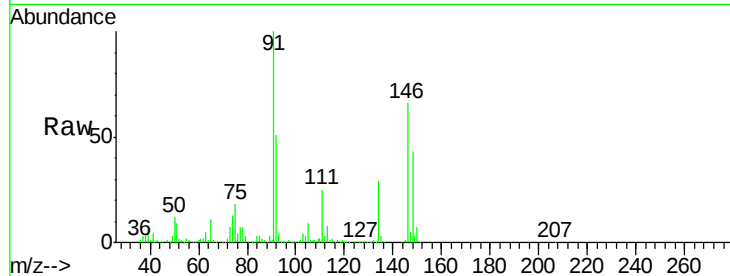
Tgt Ion:146 Resp: 125938

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.3

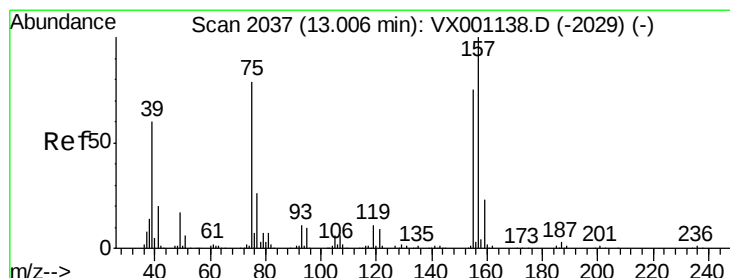
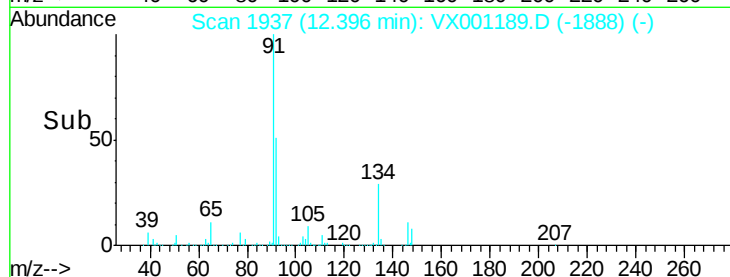
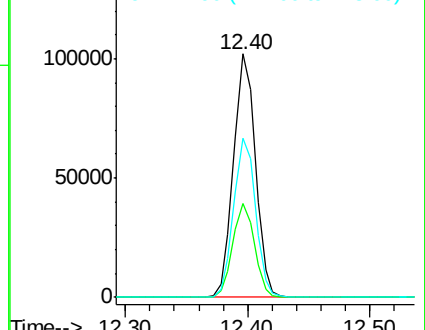
148 65.2 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.518 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX001189.D

Acq: 28 Apr 2018 00:08

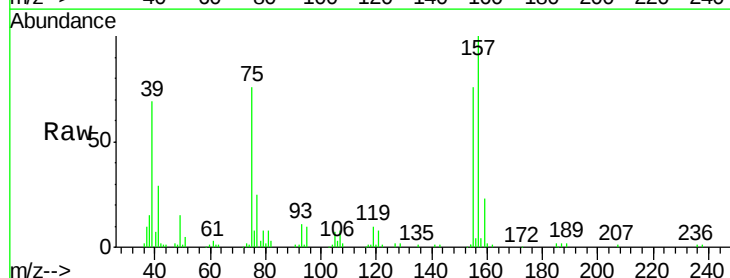
Tgt Ion: 75 Resp: 14805

Ion Ratio Lower Upper

75 100

155 98.3 48.4 145.3

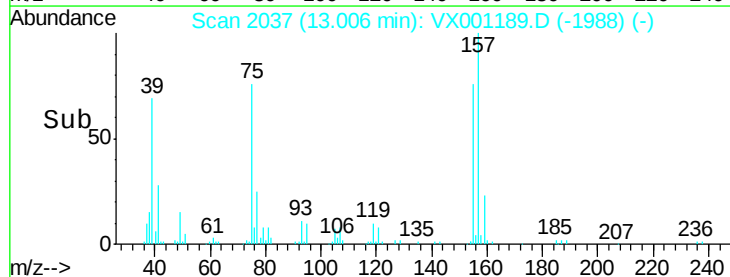
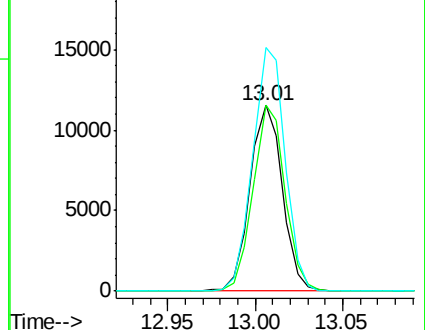
157 131.9 62.7 188.1

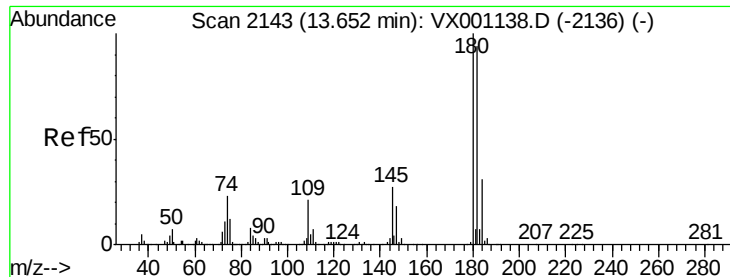


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

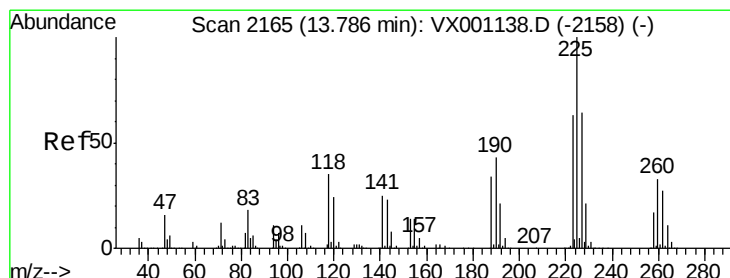
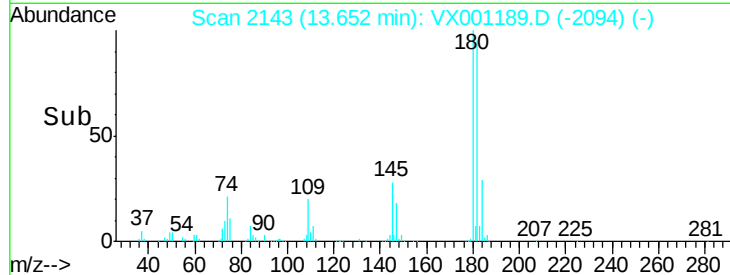
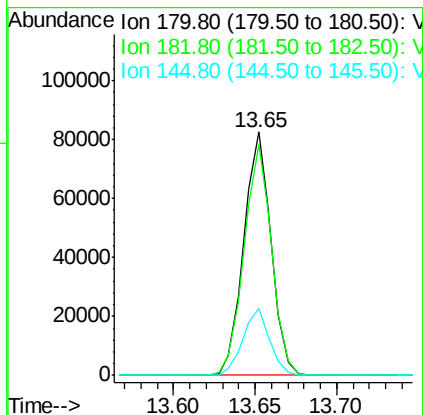
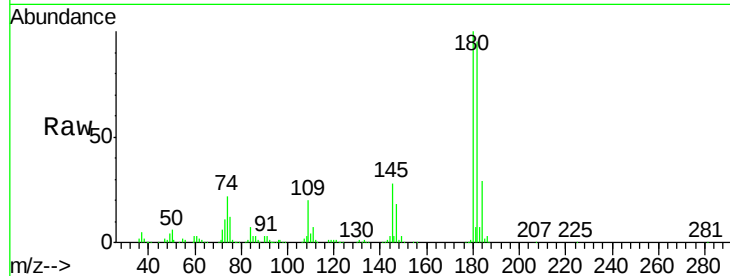




#93
 1,2,4-Trichlorobenzene
 Concen: 19.828 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

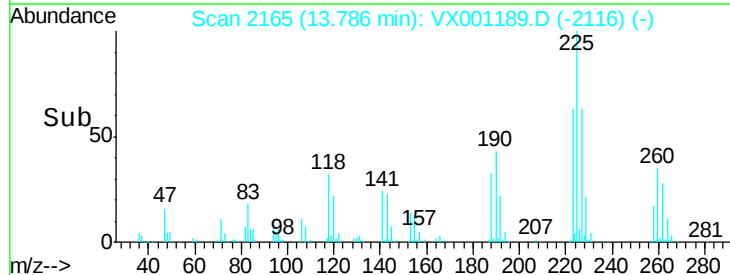
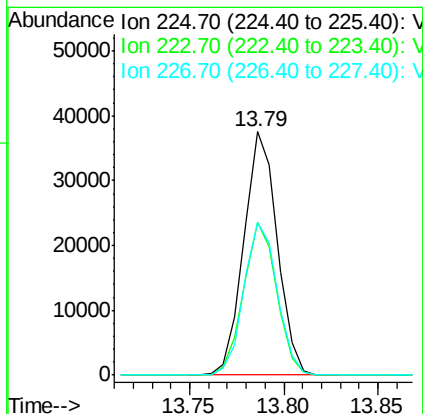
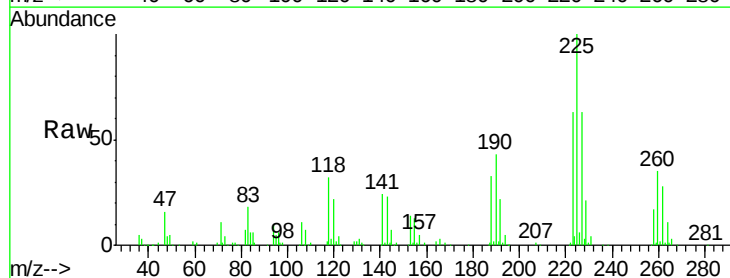
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBSD02

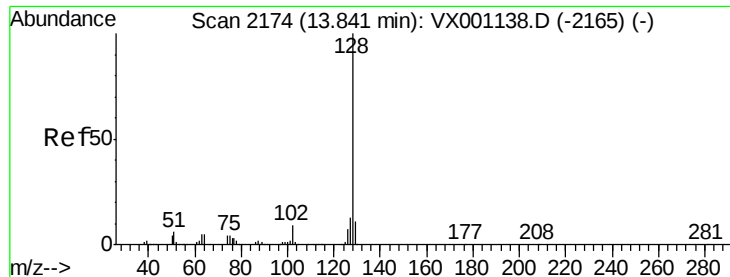
Tgt Ion:180 Resp: 96536
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.9 143.6
 145 27.1 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 20.137 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001189.D
 Acq: 28 Apr 2018 00:08

Tgt Ion:225 Resp: 46086
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.3 93.9
 227 62.8 32.2 96.6

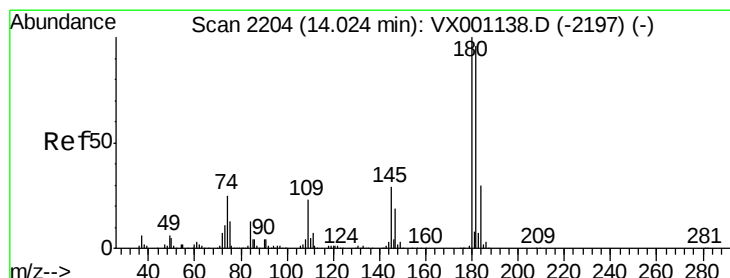
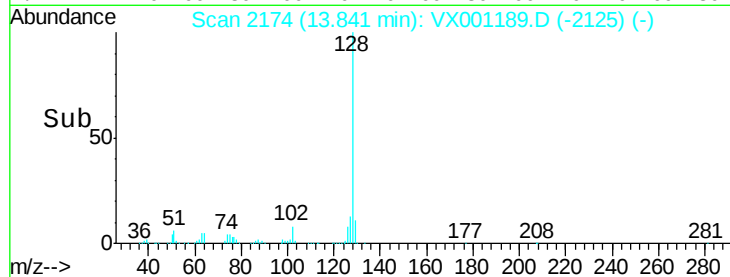
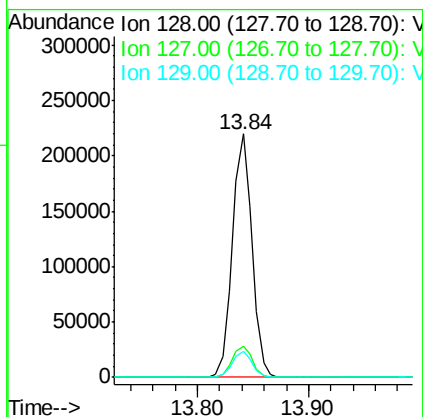
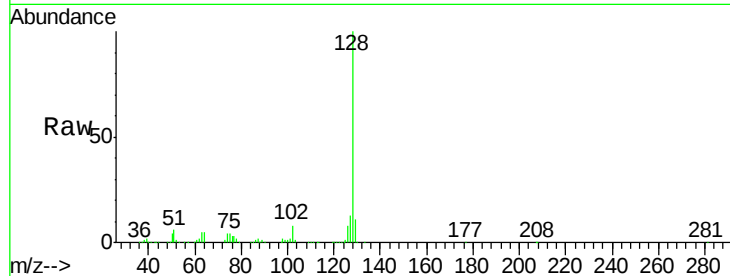




#95
Naphthalene
Concen: 19.587 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBSD02

Tgt Ion:128 Resp: 265705
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.226 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001189.D
Acq: 28 Apr 2018 00:08

Tgt Ion:180 Resp: 97995
Ion Ratio Lower Upper
180 100
182 94.9 48.2 144.6
145 28.3 14.5 43.5

