

Data Path : W:\HPCHEM1\MSVOA X\Data\VX041718\
 Data File : VX000982.D
 Acq On : 17 Apr 2018 22:47
 Operator : JC/MD
 Sample : VX0417WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Quant Time: Apr 18 06:40:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	245790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	339368	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	321048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	216579	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	140721	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	
35) Dibromofluoromethane	5.51	113	114148	43.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.32%	
50) Toluene-d8	8.72	98	421597	43.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.62%	
62) 4-Bromofluorobenzene	11.14	95	170802	42.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	48159	17.36	ug/l	98
3) Chloromethane	1.32	50	43775	18.40	ug/l	99
4) Vinyl Chloride	1.41	62	48250	18.03	ug/l	98
5) Bromomethane	1.65	94	34480	30.60	ug/l	98
6) Chloroethane	1.73	64	31324	19.31	ug/l	99
7) Trichlorofluoromethane	1.93	101	78347	19.41	ug/l	98
8) Diethyl Ether	2.19	74	29716	19.70	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	45330	19.04	ug/l	99
10) Methyl Iodide	2.52	142	29027	21.32	ug/l	99
11) Tert butyl alcohol	3.07	59	44226	80.38	ug/l	99
12) 1,1-Dichloroethene	2.38	96	40925	18.14	ug/l	93
13) Acrolein	2.30	56	8963	33.54	ug/l	97
14) Allyl chloride	2.73	41	77175	18.50	ug/l	99
15) Acrylonitrile	3.15	53	119044	101.48	ug/l	99
16) Acetone	2.45	43	102982	96.36	ug/l	96
17) Carbon Disulfide	2.57	76	94425	13.82	ug/l	99
18) Methyl Acetate	2.78	43	62276	22.52	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	154317	20.54	ug/l	100
20) Methylene Chloride	2.86	84	48698	19.59	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	45610	18.33	ug/l	98
22) Diisopropyl ether	3.88	45	159946	20.86	ug/l	99
23) Vinyl Acetate	3.83	43	662699	98.46	ug/l	98
24) 1,1-Dichloroethane	3.70	63	86402	20.09	ug/l	99
25) 2-Butanone	4.71	43	169994	96.32	ug/l	98
26) 2,2-Dichloropropane	4.59	77	67296	15.76	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	53883	19.09	ug/l	99
28) Bromochloromethane	5.03	49	25606	14.78	ug/l	96
29) Tetrahydrofuran	5.17	42	108029	96.40	ug/l	99
30) Chloroform	5.22	83	91806	20.16	ug/l	97
31) Cyclohexane	5.58	56	72404	17.72	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	80128	18.47	ug/l	99
36) 1,1-Dichloropropene	5.81	75	66175	17.71	ug/l	98
37) Ethyl Acetate	4.87	43	67451	18.49	ug/l	100
38) Carbon Tetrachloride	5.79	117	67826	16.21	ug/l	96

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 Sample : VX0417WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

Quant Time: Apr 18 06:40:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	73000	16.26	ug/l	98
40) Benzene	6.15	78	194335	18.71	ug/l	99
41) Methacrylonitrile	5.07	41	40960	19.43	ug/l	98
42) 1,2-Dichloroethane	6.21	62	76665	19.77	ug/l	99
43) Isopropyl Acetate	6.47	43	113838	18.20	ug/l	98
44) Trichloroethene	7.22	130	59436	18.40	ug/l	99
45) 1,2-Dichloropropane	7.53	63	50442	19.07	ug/l	95
46) Dibromomethane	7.67	93	34743	18.84	ug/l	99
47) Bromodichloromethane	7.90	83	65026	17.48	ug/l	95
48) Methyl methacrylate	7.78	41	59946	18.49	ug/l	100
49) 1,4-Dioxane	7.76	88	16605	254.83	ug/l	93
51) 4-Methyl-2-Pentanone	8.66	43	354898	96.58	ug/l	99
52) Toluene	8.79	92	128035	18.58	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	76536	17.15	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	71181	16.38	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	54005	19.75	ug/l	99
56) Ethyl methacrylate	9.19	69	76913	18.23	ug/l	99
57) 1,3-Dichloropropane	9.38	76	86885	19.98	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	186296	94.50	ug/l	98
59) 2-Hexanone	9.50	43	261330	92.12	ug/l	99
60) Dibromochloromethane	9.59	129	52941	16.18	ug/l	98
61) 1,2-Dibromoethane	9.68	107	55524	19.14	ug/l	99
64) Tetrachloroethene	9.34	164	60739	19.35	ug/l	99
65) Chlorobenzene	10.15	112	152581	18.89	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	54304	17.86	ug/l	98
67) Ethyl Benzene	10.26	91	252153	18.73	ug/l	100
68) m/p-Xylenes	10.37	106	197374	37.14	ug/l	99
69) o-Xylene	10.71	106	95421	18.63	ug/l	98
70) Styrene	10.72	104	161621	18.72	ug/l	100
71) Bromoform	10.87	173	41959	14.91	ug/l #	100
73) Isopropylbenzene	11.02	105	261295	19.02	ug/l	100
74) N-amyl acetate	6.47	43	113838	18.40	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	76973	19.30	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	71464m	19.13	ug/l	
77) Bromobenzene	11.26	156	76245	18.94	ug/l	99
78) n-propylbenzene	11.37	91	295518	18.80	ug/l	100
79) 2-Chlorotoluene	11.43	91	177145	19.07	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	221138	18.71	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	17061	12.56	ug/l #	83
82) 4-Chlorotoluene	11.52	91	211877	18.90	ug/l	99
83) tert-Butylbenzene	11.77	119	224286	18.55	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	225621	18.50	ug/l	100
85) sec-Butylbenzene	11.95	105	264211	18.53	ug/l	99
86) p-Isopropyltoluene	12.07	119	243445	18.31	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	140274	18.82	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	144018	18.86	ug/l	98
89) n-Butylbenzene	12.40	91	211397	18.01	ug/l	99
90) Hexachloroethane	12.60	117	33213	14.76	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	137444	19.10	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15938	15.95	ug/l	92

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Quant Time: Apr 18 06:40:39 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration

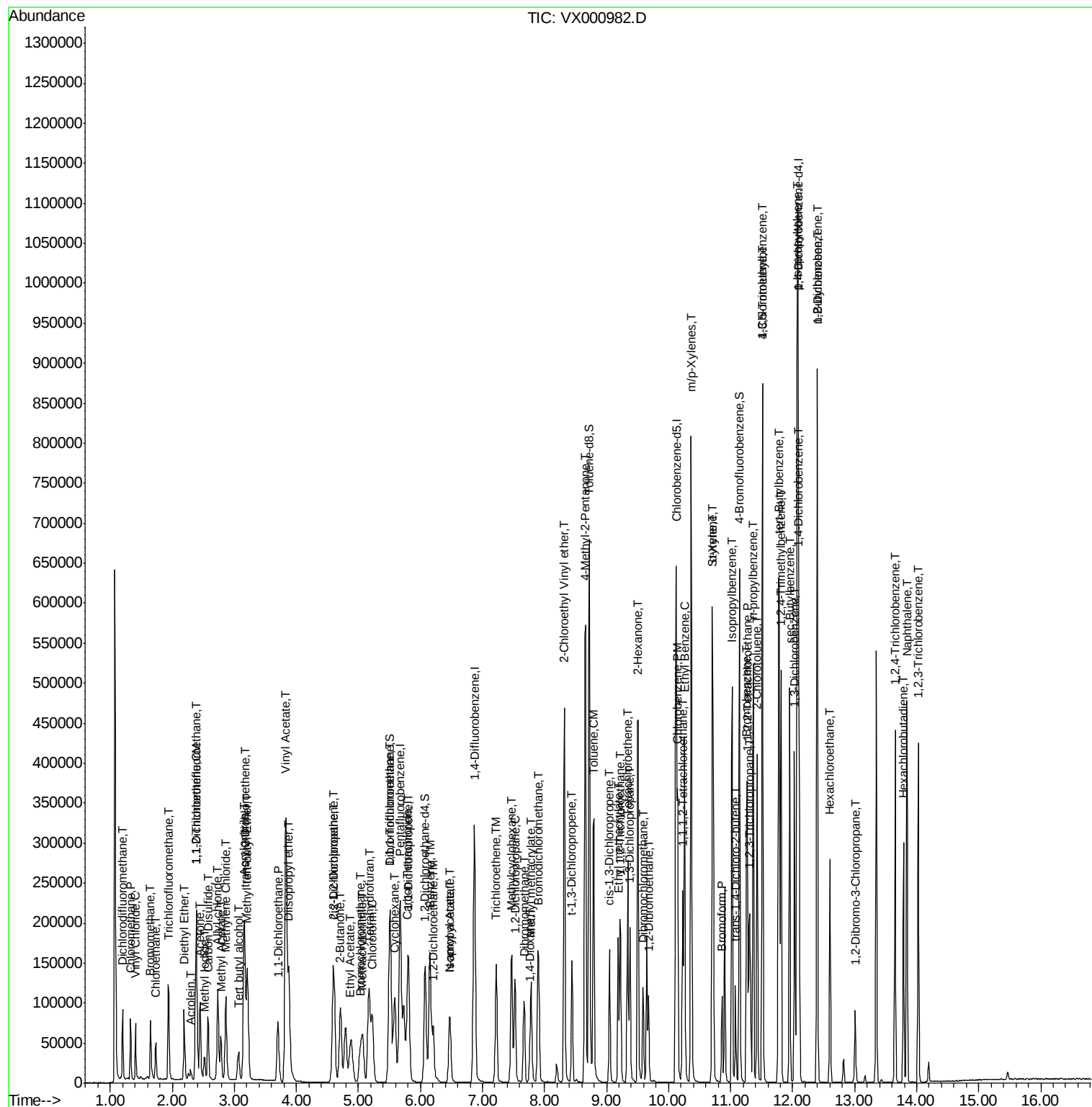
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	112160	18.27	ug/l	99
94) Hexachlorobutadiene	13.79	225	48786	16.16	ug/l	99
95) Naphthalene	13.84	128	292144	18.54	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	111109	18.63	ug/l	98

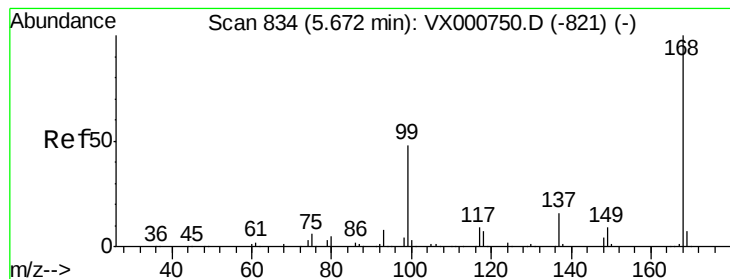
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA X\Data\VX041718\
Data File : VX000982.D
Acq On : 17 Apr 2018 22:47
Operator : JC/MD
Sample : VX0417WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Quant Time: Apr 18 06:40:39 2018
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Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

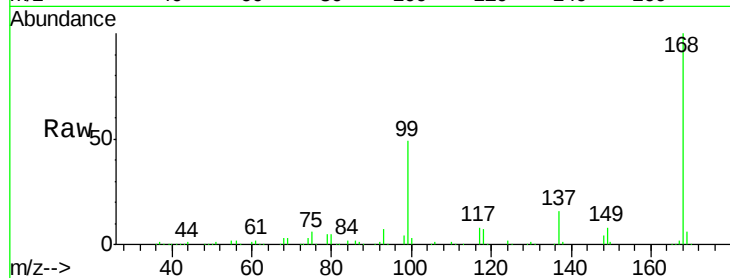
VX0417WBSD01

Tot Ion:168 Resp: 245790

Ion Ratio Lower Upper

168 100

99 49.2 38.3 57.5

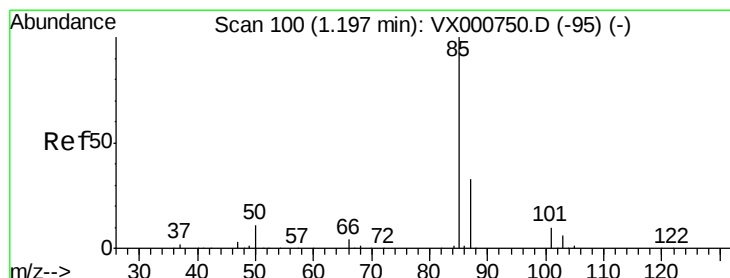
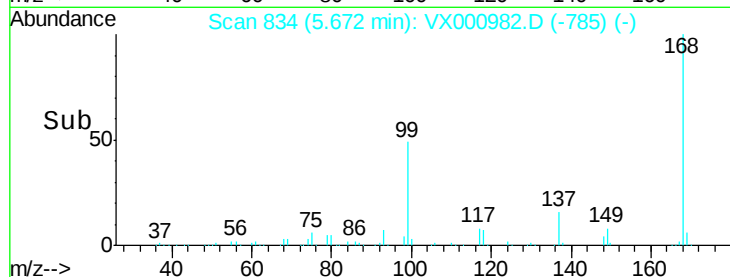


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 17.36 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000982.D

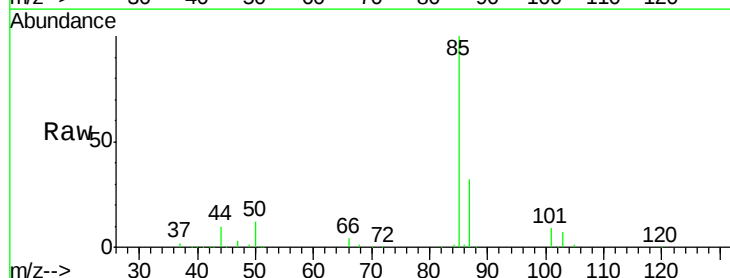
Acq: 17 Apr 2018 22:47

Tgt Ion: 85 Resp: 48159

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.8

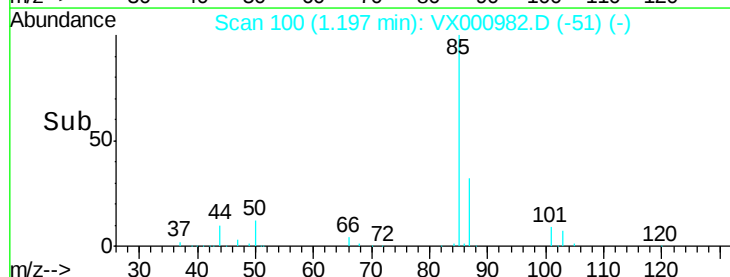


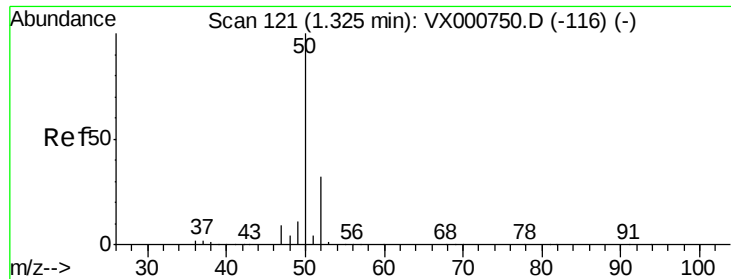
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 18.40 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

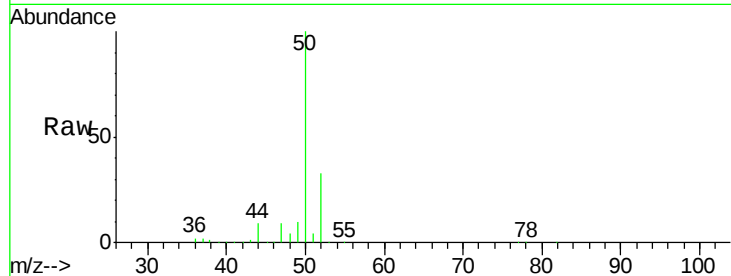
VX0417WBSD01

Tot Ion: 50 Resp: 43775

Ion Ratio Lower Upper

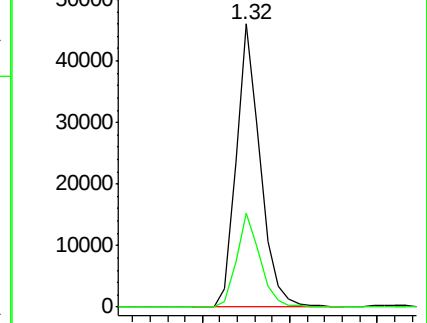
50 100

52 33.0 25.8 38.8

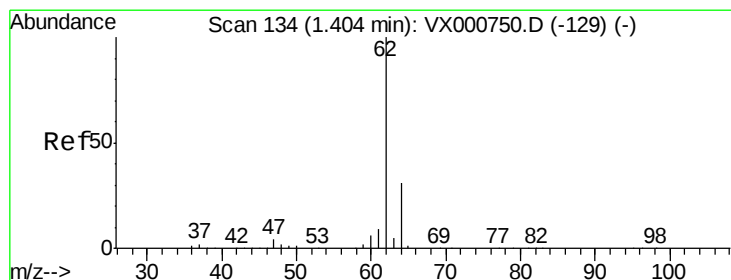
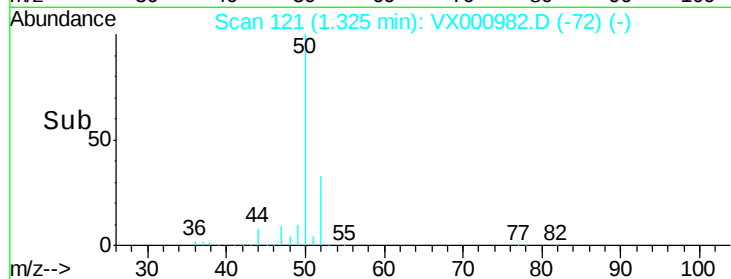


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 18.03 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX000982.D

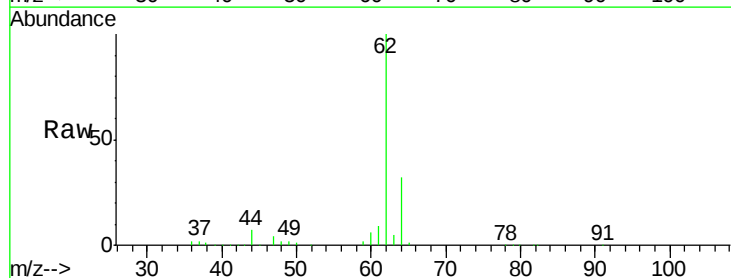
Acq: 17 Apr 2018 22:47

Tgt Ion: 62 Resp: 48250

Ion Ratio Lower Upper

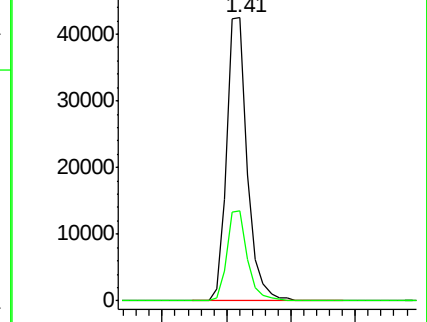
62 100

64 32.0 24.6 36.8

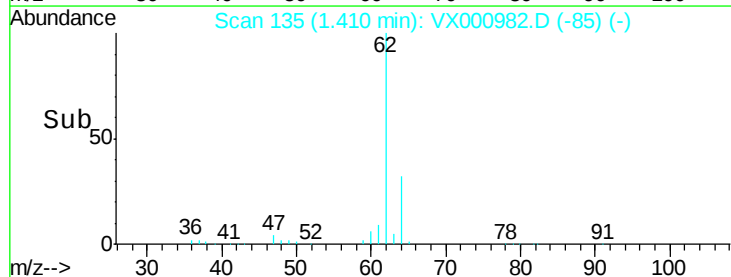


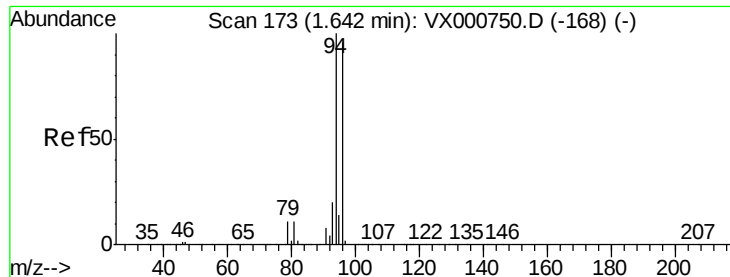
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 30.60 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

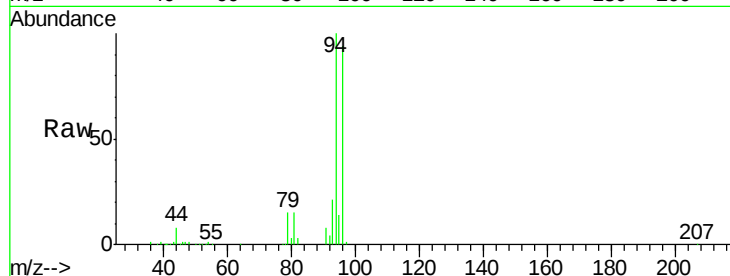
VX0417WBSD01

Tot Ion: 94 Resp: 34480

Ion Ratio Lower Upper

94 100

96 94.4 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

25000

20000

15000

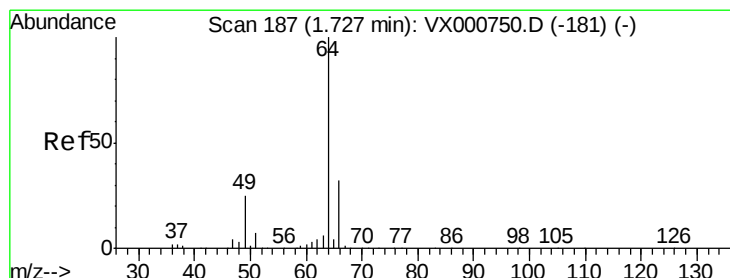
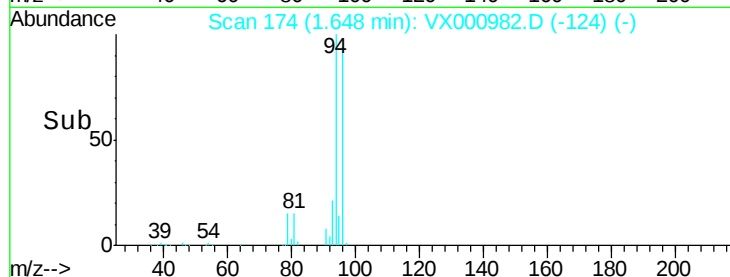
10000

5000

0

Time-->

1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 19.31 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000982.D

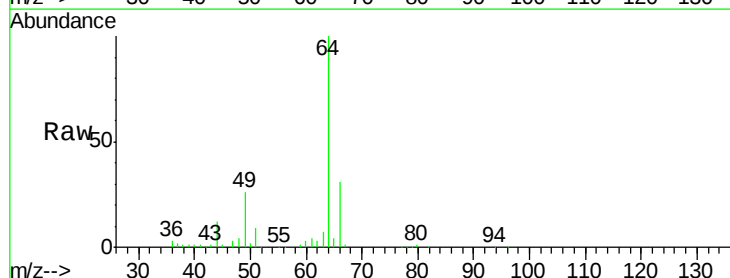
Acq: 17 Apr 2018 22:47

Tgt Ion: 64 Resp: 31324

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

25000

20000

15000

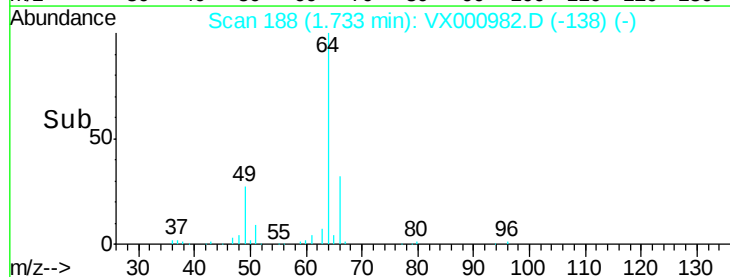
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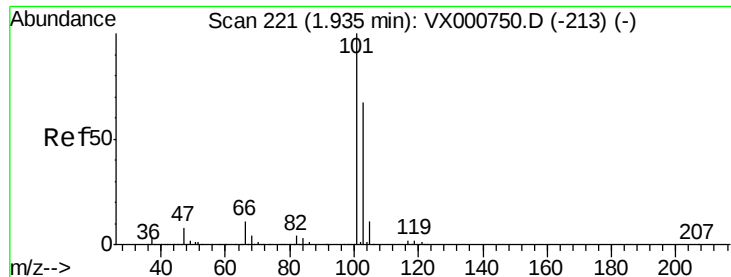
5000

0

Time-->

1.60 1.65 1.70 1.75 1.80



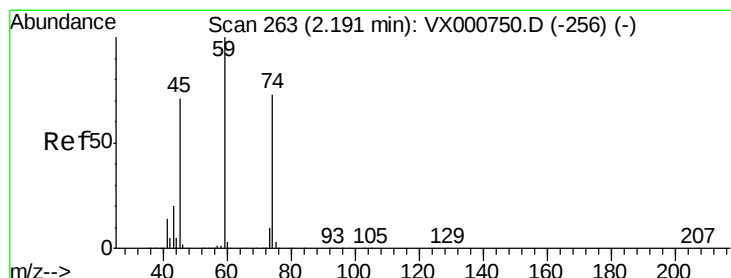
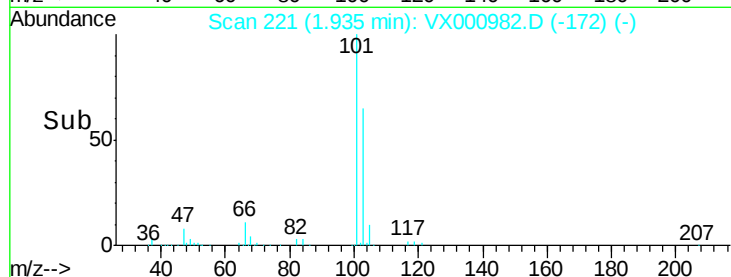
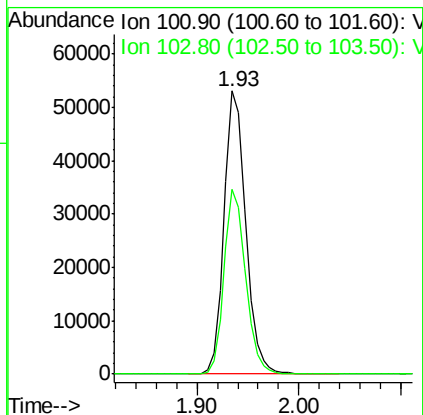
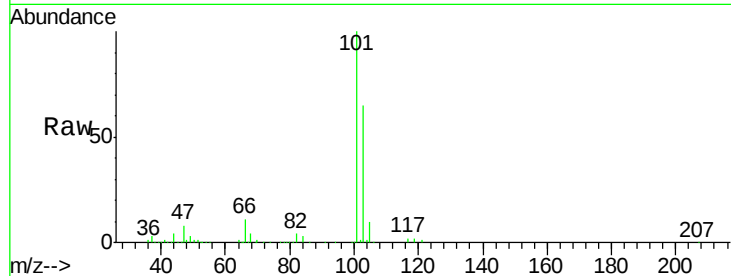


#7

Trichlorofluoromethane
Concen: 19.41 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

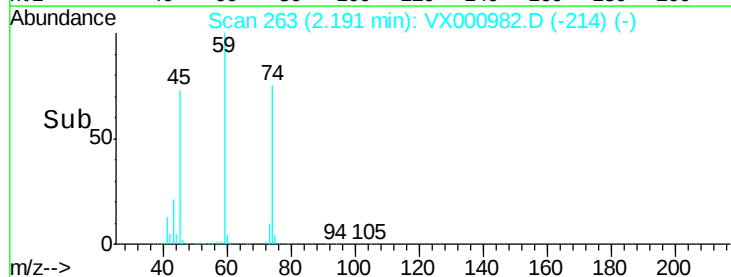
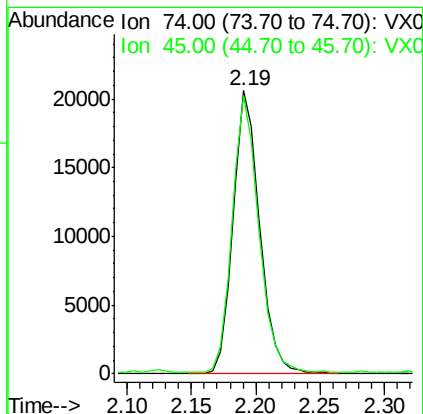
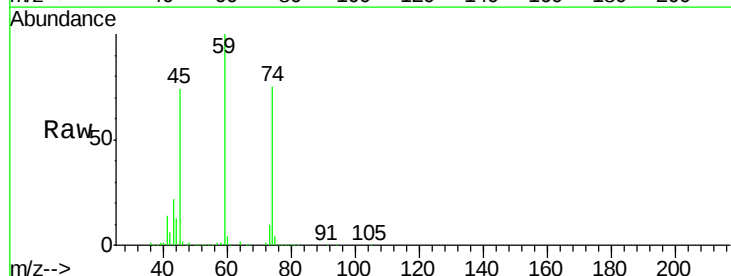
Tot Ion:101 Resp: 78347
Ion Ratio Lower Upper
101 100
103 65.1 53.2 79.8

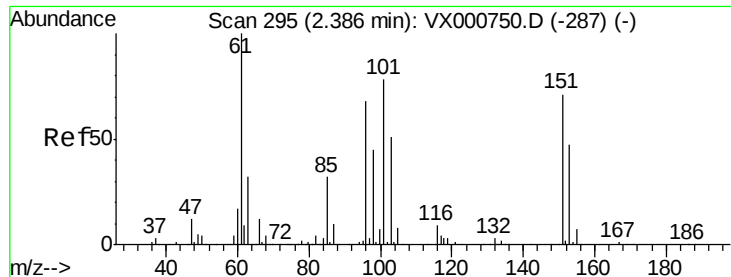


#8

Diethyl Ether
Concen: 19.70 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Tgt Ion: 74 Resp: 29716
Ion Ratio Lower Upper
74 100
45 98.1 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.04 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

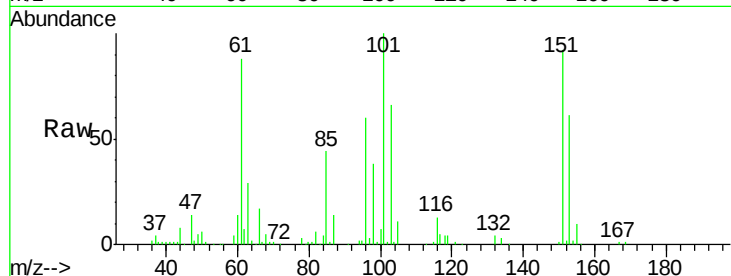
Tot Ion:101 Resp: 45330

Ion Ratio Lower Upper

101 100

85 42.8 34.0 51.0

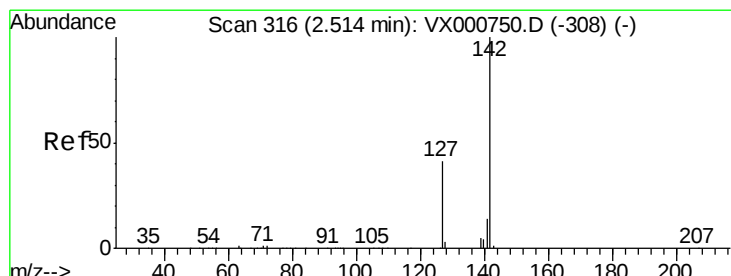
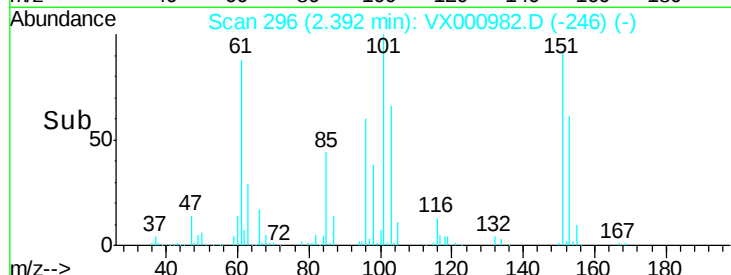
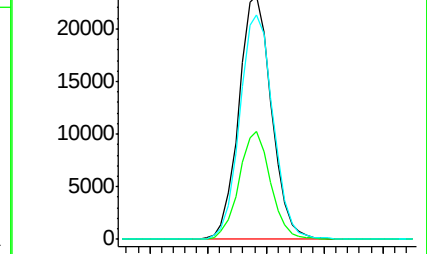
151 93.8 75.8 113.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.32 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

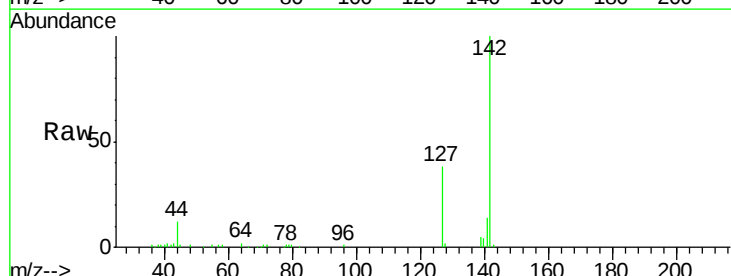
Tgt Ion:142 Resp: 29027

Ion Ratio Lower Upper

142 100

127 41.5 32.6 49.0

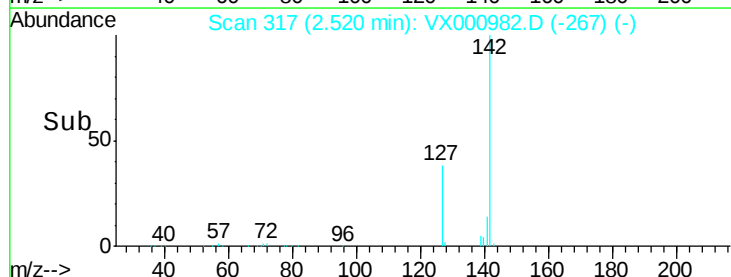
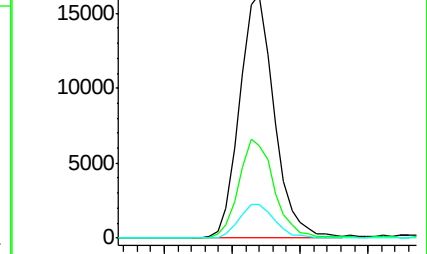
141 14.3 11.5 17.3

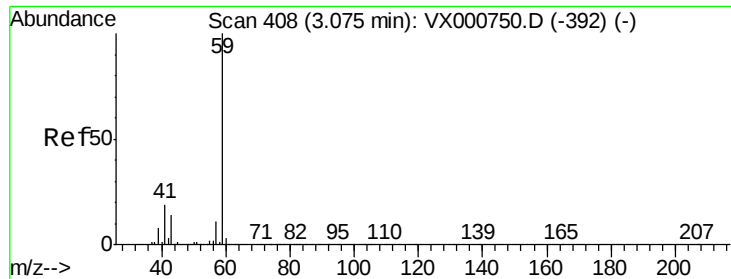


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



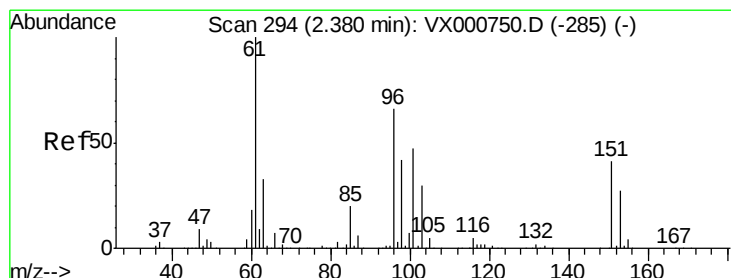
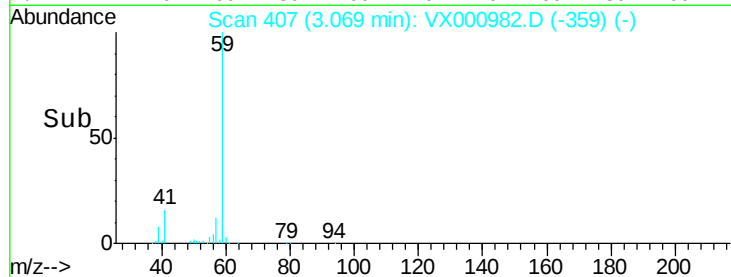
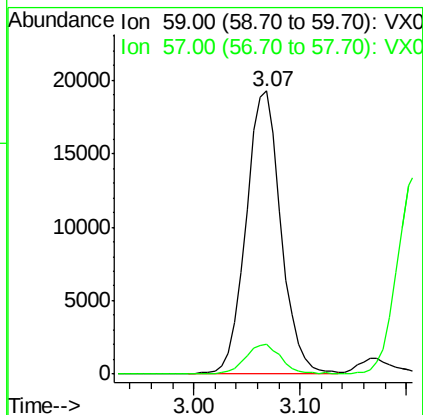
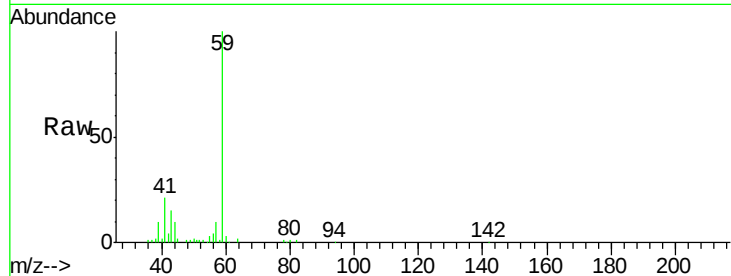


#11

Tert butyl alcohol
 Concen: 80.38 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX000982.D
 Acq: 17 Apr 2018 22:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

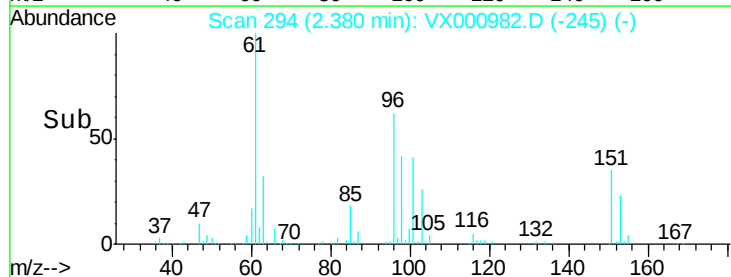
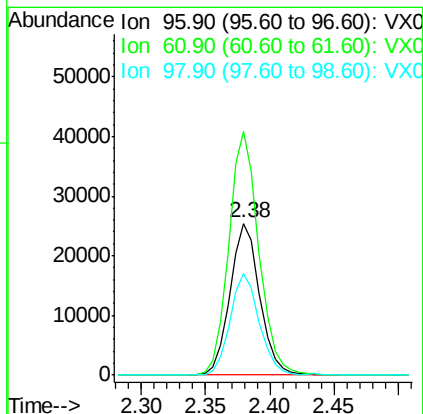
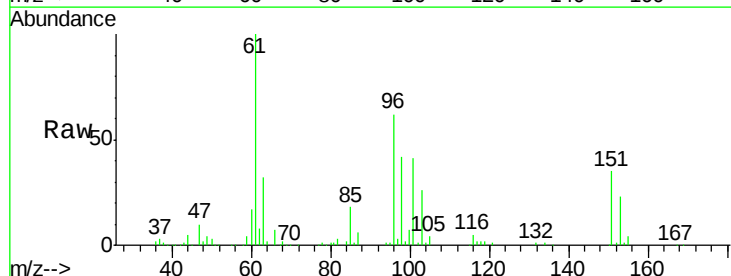
Tot Ion: 59 Resp: 44226
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.4 12.6

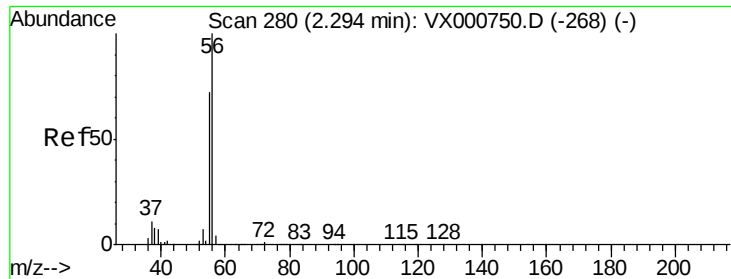


#12

1,1-Dichloroethene
 Concen: 18.14 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VX000982.D
 Acq: 17 Apr 2018 22:47

Tgt Ion: 96 Resp: 40925
 Ion Ratio Lower Upper
 96 100
 61 160.5 120.5 180.7
 98 66.9 50.9 76.3





#13

Acrolein

Concen: 33.54 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

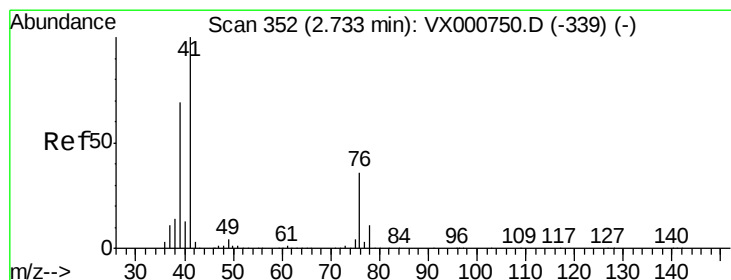
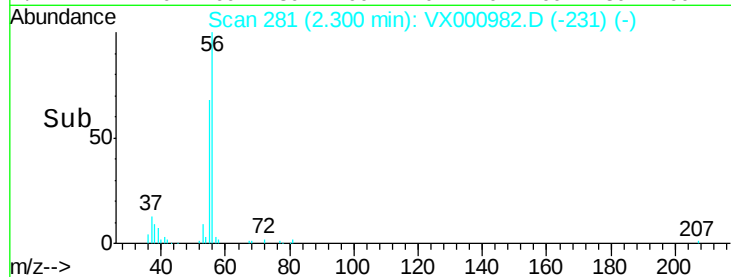
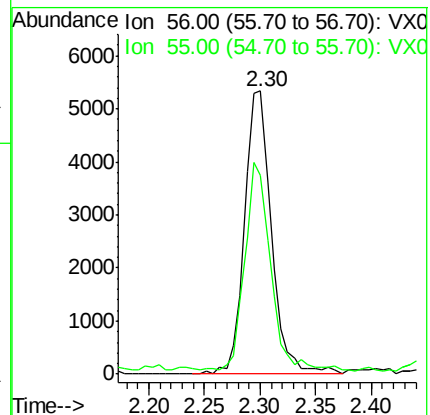
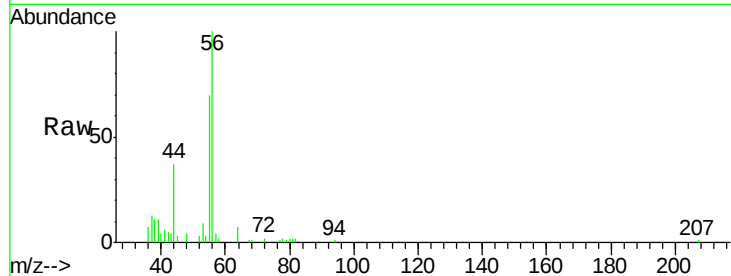
VX0417WBSD01

Tot Ion: 56 Resp: 8963

Ion Ratio Lower Upper

56 100

55 70.9 58.7 88.1



#14

Allyl chloride

Concen: 18.50 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

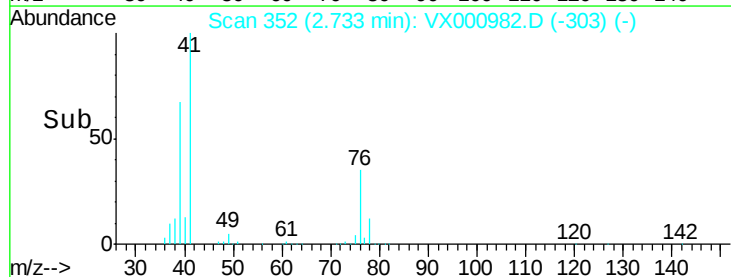
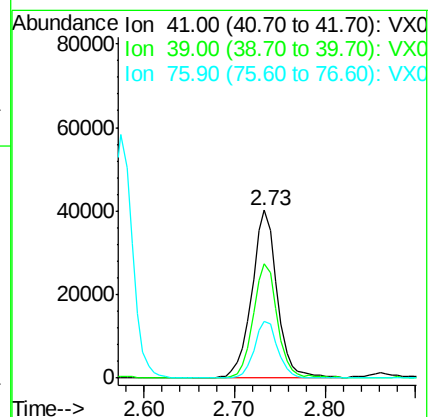
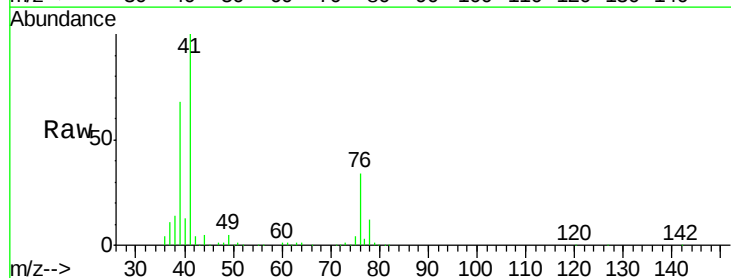
Tgt Ion: 41 Resp: 77175

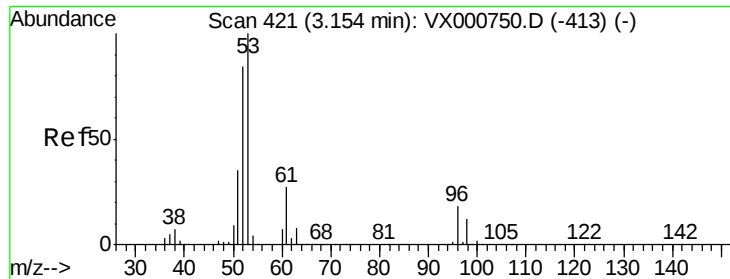
Ion Ratio Lower Upper

41 100

39 65.0 51.5 77.3

76 31.6 26.5 39.7





#15

Acrylonitrile

Concen: 101.48 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

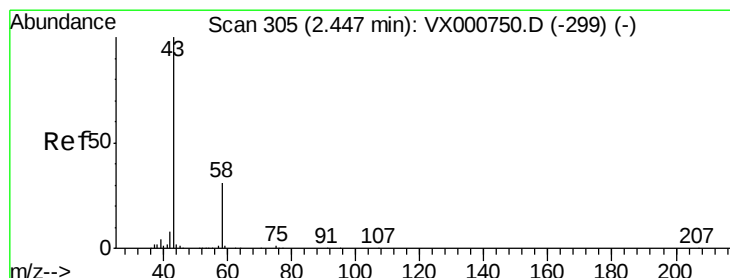
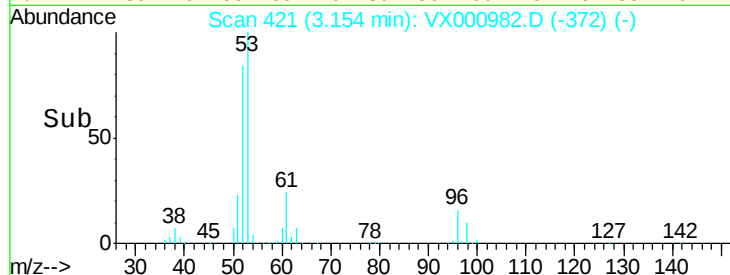
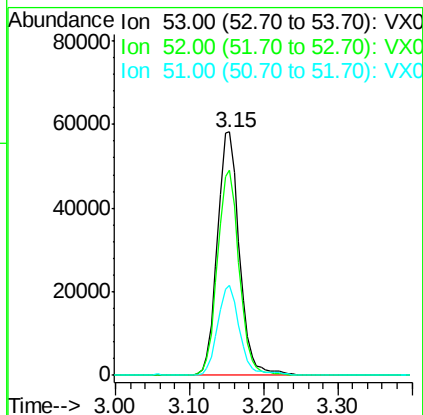
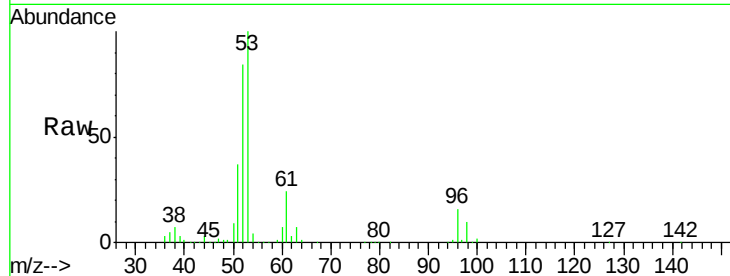
Tot Ion: 53 Resp: 119044

Ion Ratio Lower Upper

53 100

52 83.3 66.5 99.7

51 37.0 28.8 43.2



#16

Acetone

Concen: 96.36 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX000982.D

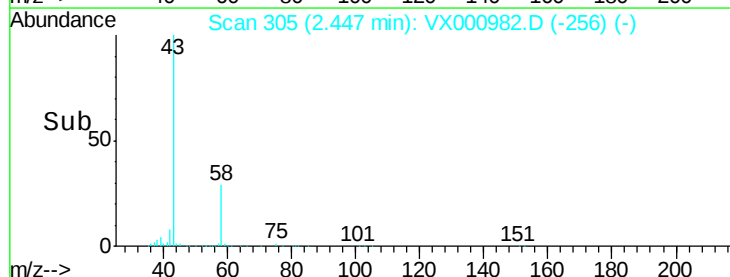
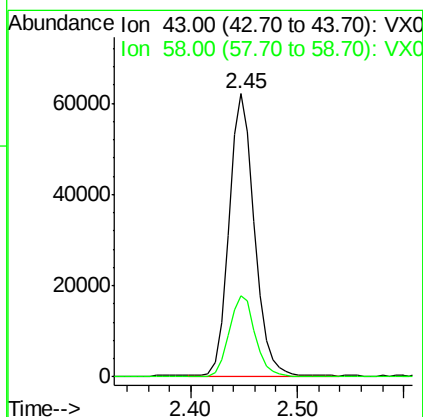
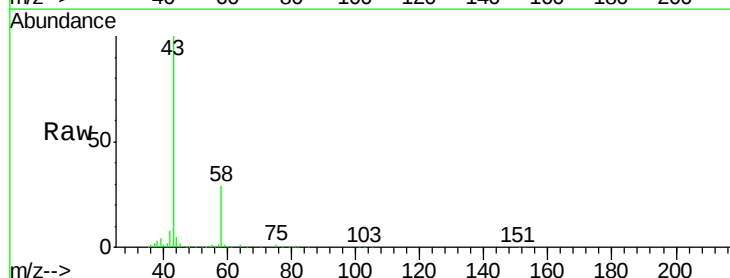
Acq: 17 Apr 2018 22:47

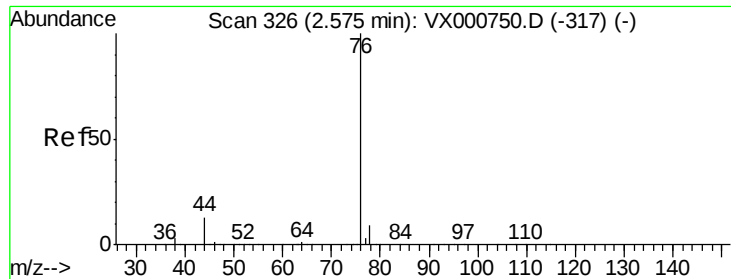
Tgt Ion: 43 Resp: 102982

Ion Ratio Lower Upper

43 100

58 28.8 24.6 37.0

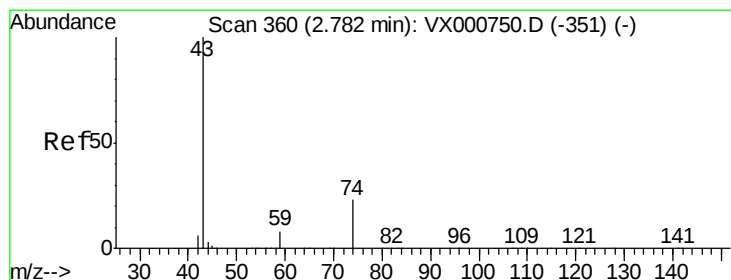
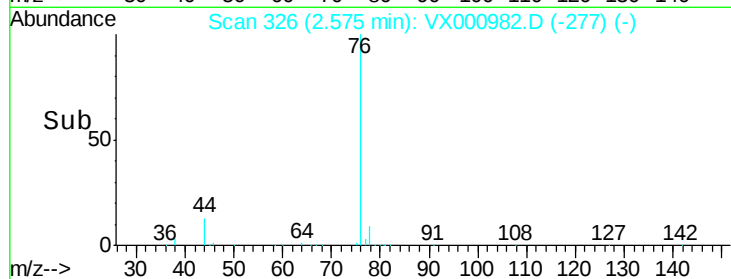
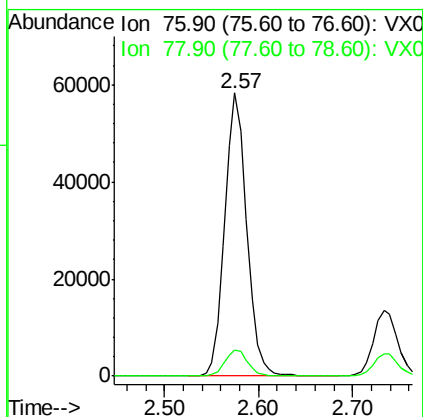
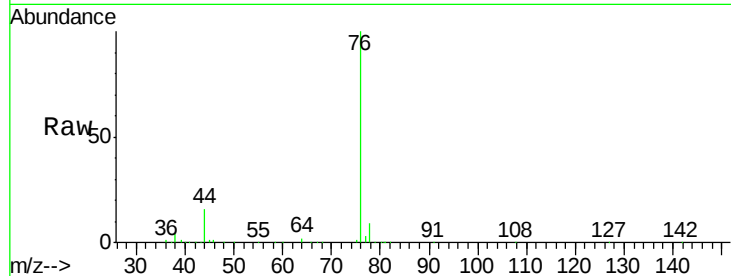




#17
Carbon Disulfide
Concen: 13.82 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

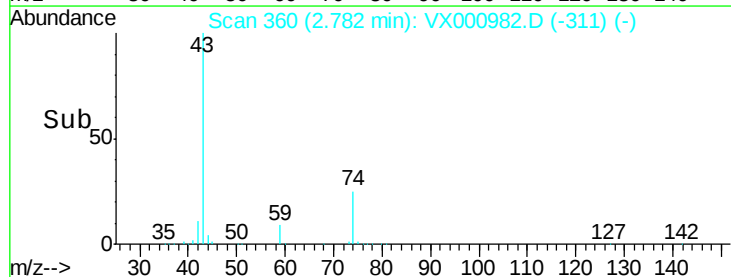
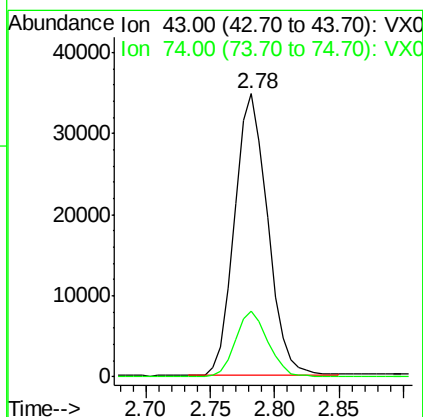
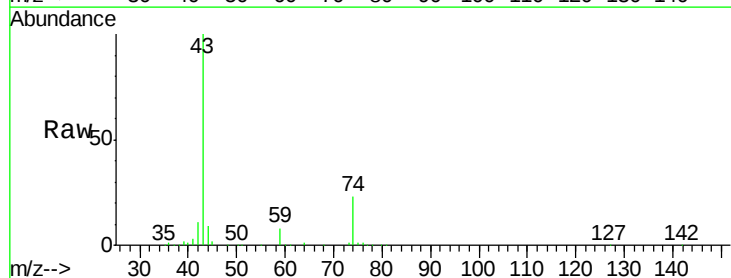
Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

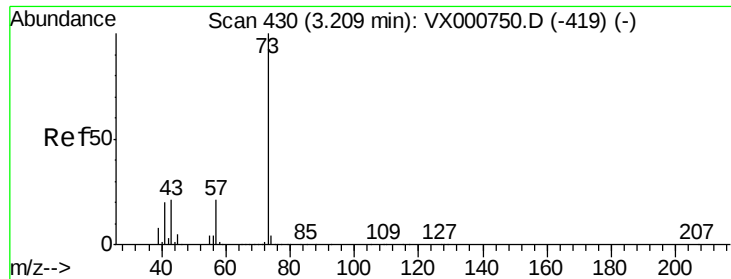
Tot Ion: 76 Resp: 94425
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 22.52 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Tgt Ion: 43 Resp: 62276
Ion Ratio Lower Upper
43 100
74 23.5 19.1 28.7

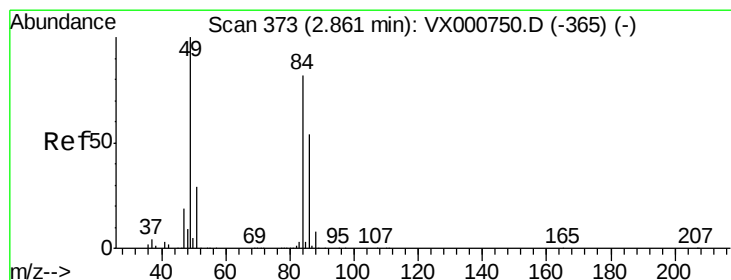
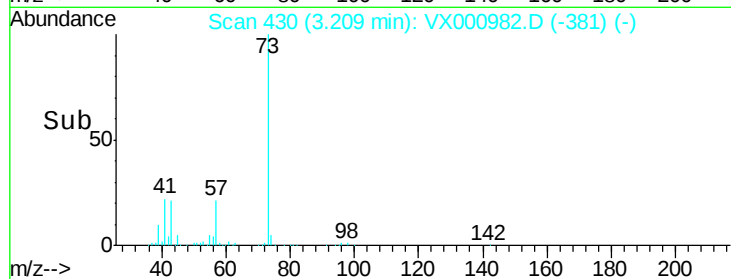
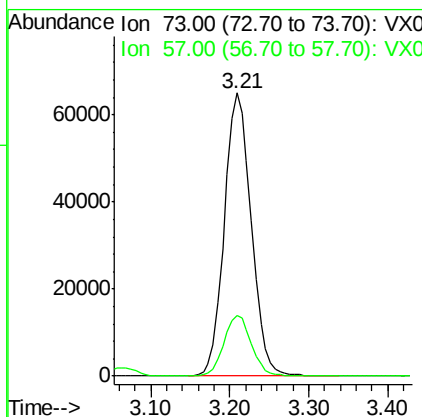
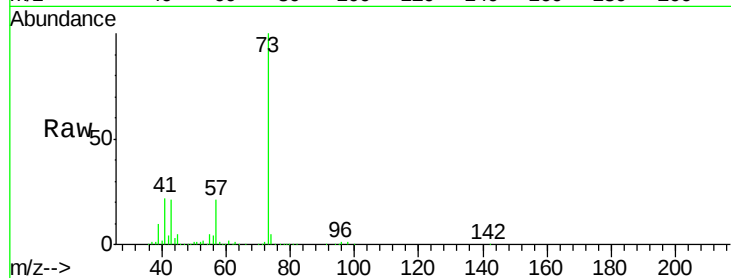




#19
Methvl tert-butvl Ether
Concen: 20.54 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

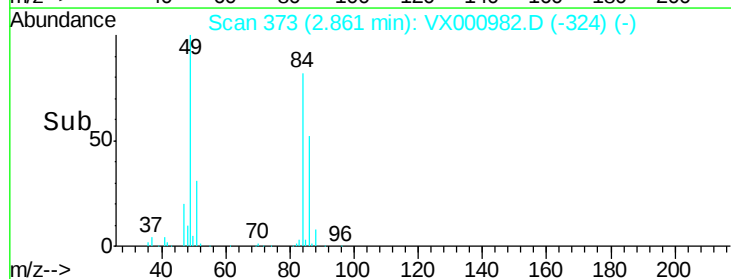
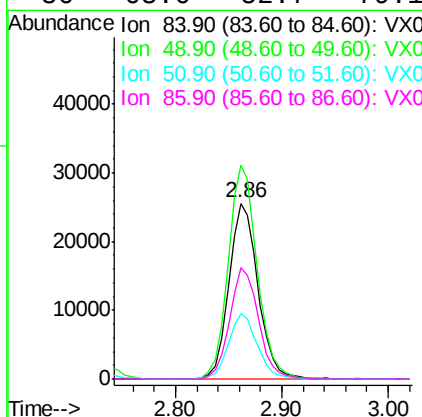
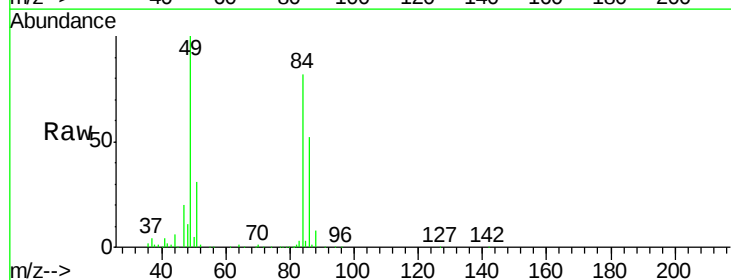
Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

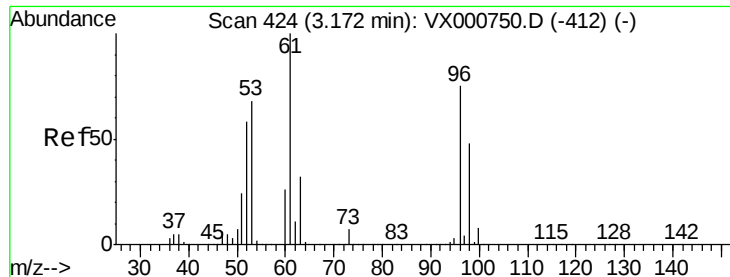
Tot Ion: 73 Resp: 154317
Ion Ratio Lower Upper
73 100
57 21.3 16.9 25.3



#20
Methylene Chloride
Concen: 19.59 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Tgt Ion: 84 Resp: 48698
Ion Ratio Lower Upper
84 100
49 121.8 98.1 147.1
51 37.4 28.9 43.3
86 63.6 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 18.33 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

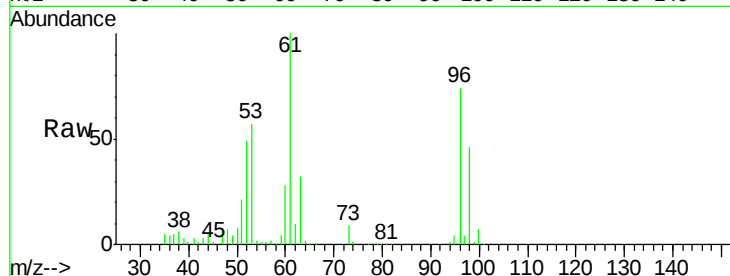
Tot Ion: 96 Resp: 45610

Ion Ratio Lower Upper

96 100

61 135.2 106.2 159.2

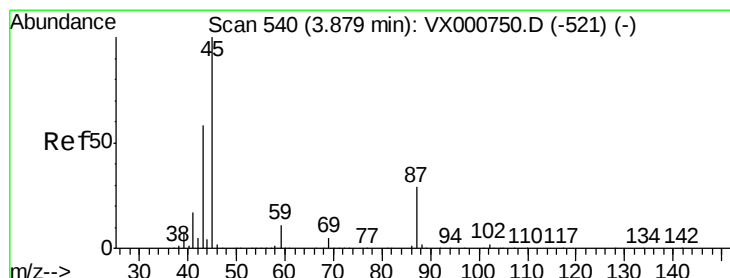
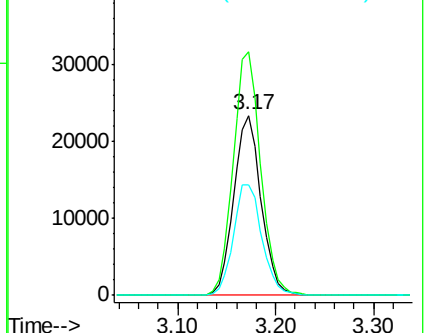
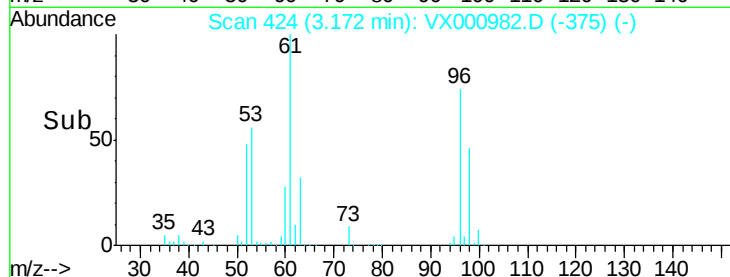
98 61.6 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.86 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Tgt Ion: 45 Resp: 159946

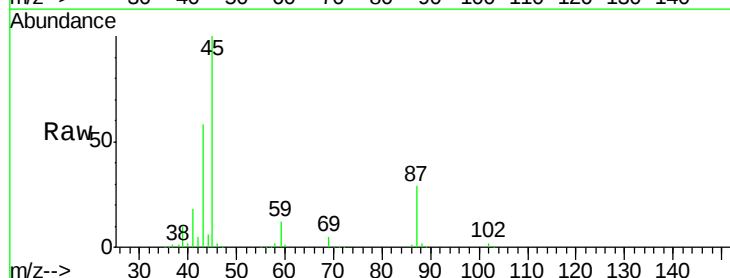
Ion Ratio Lower Upper

45 100

43 57.9 46.6 69.8

87 29.2 22.9 34.3

59 11.7 9.2 13.8

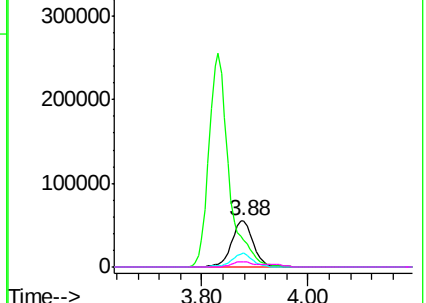
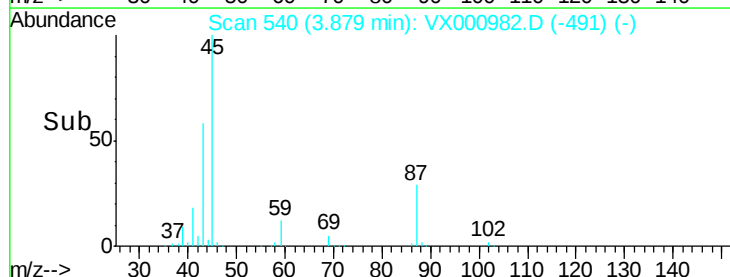


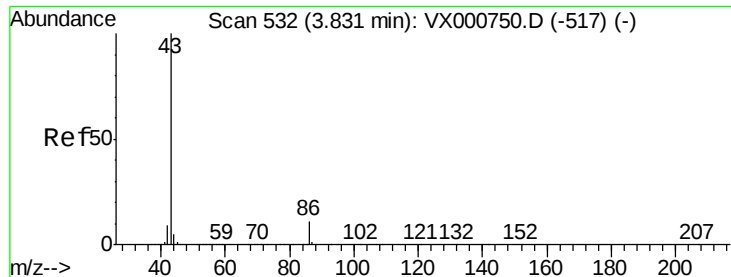
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 98.46 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

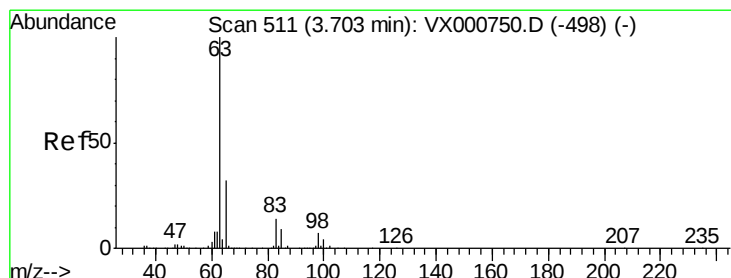
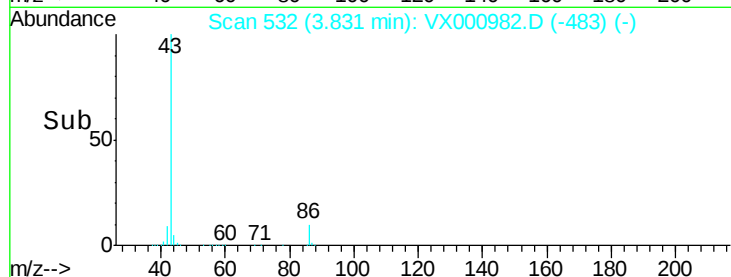
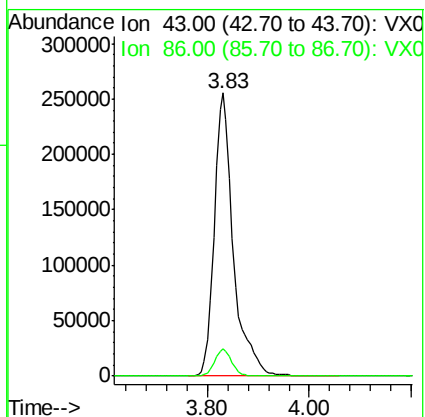
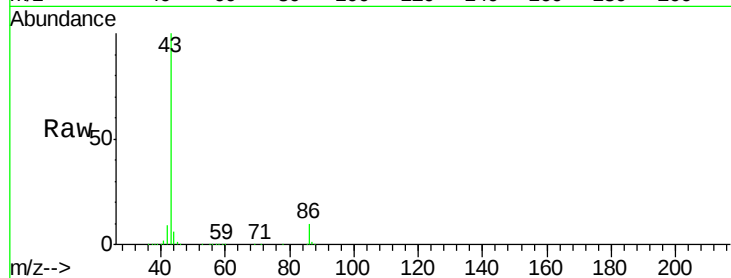
VX0417WBSD01

Tot Ion: 43 Resp: 662699

Ion Ratio Lower Upper

43 100

86 9.8 8.6 12.8



#24

1,1-Dichloroethane

Concen: 20.09 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

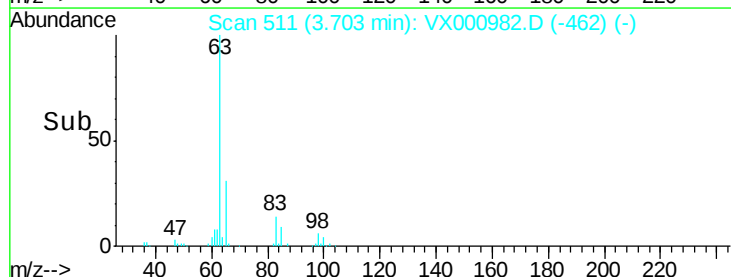
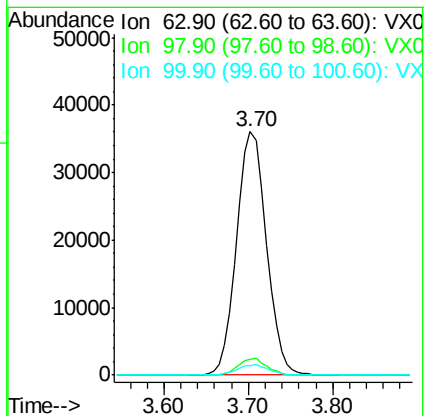
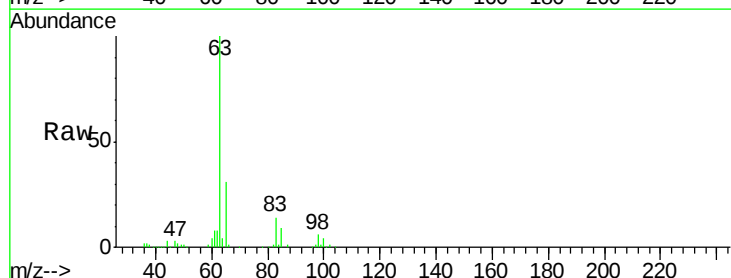
Tgt Ion: 63 Resp: 86402

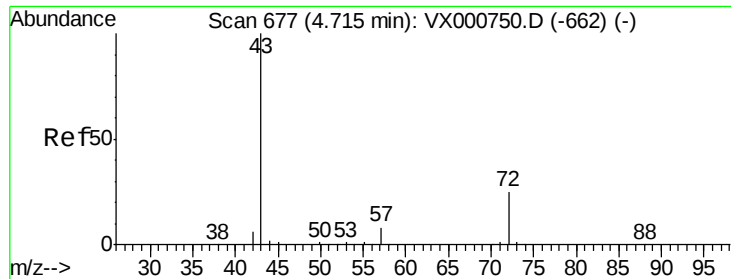
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 3.8 2.1 6.3





#25

2-Butanone

Concen: 96.32 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

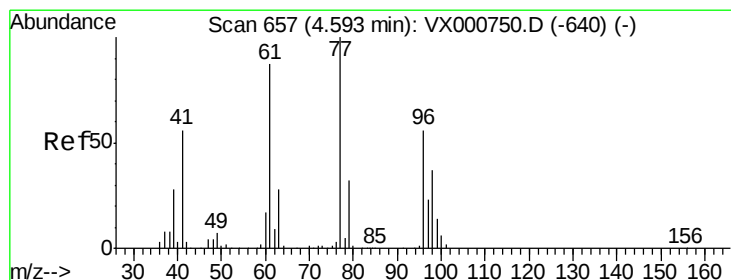
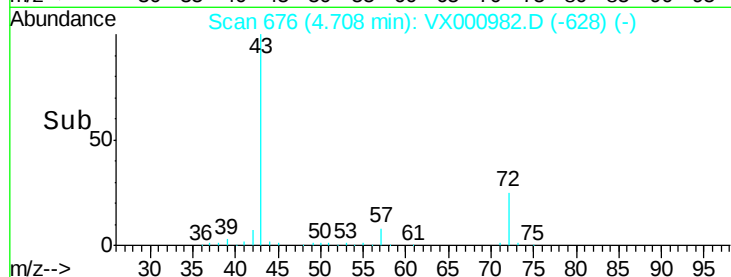
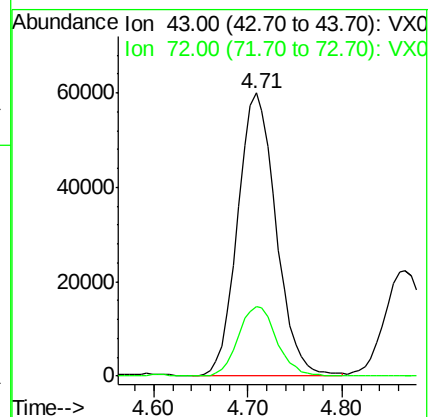
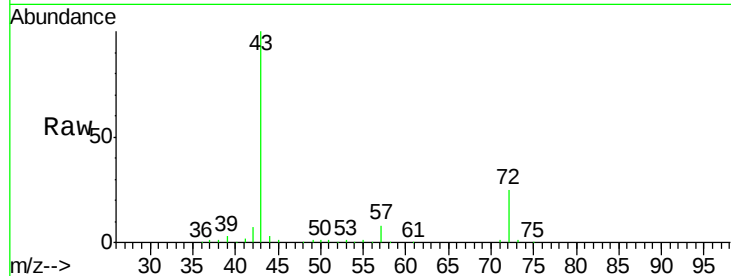
VX0417WBSD01

Tot Ion: 43 Resp: 169994

Ion Ratio Lower Upper

43 100

72 24.6 20.3 30.5



#26

2,2-Dichloropropane

Concen: 15.76 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX000982.D

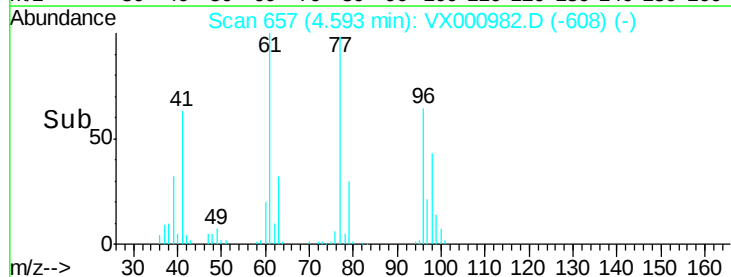
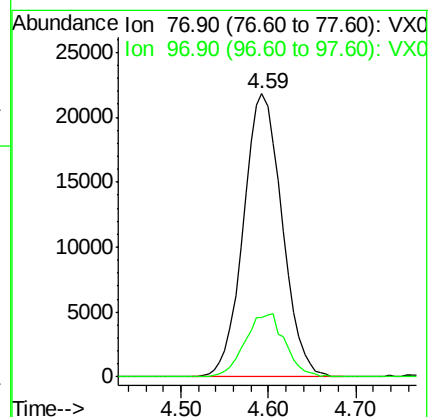
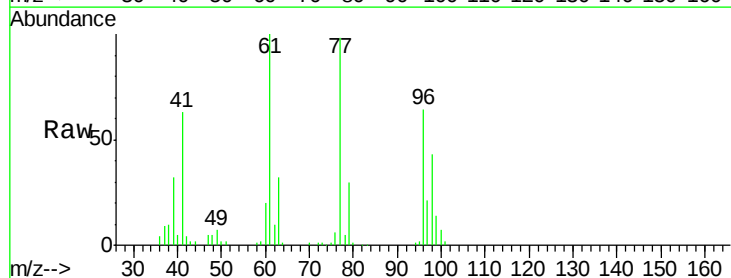
Acq: 17 Apr 2018 22:47

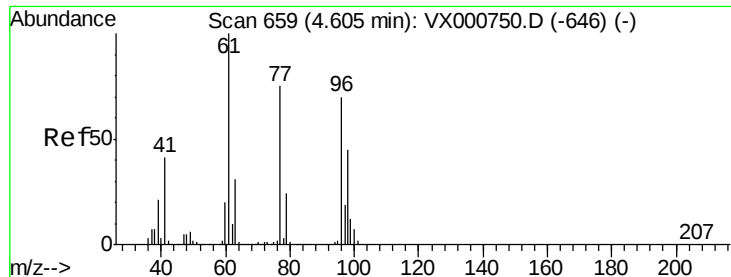
Tgt Ion: 77 Resp: 67296

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 19.09 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

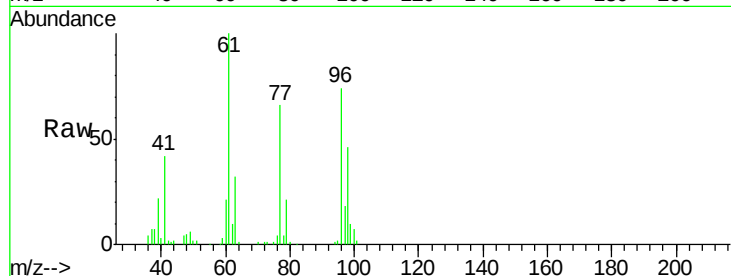
Tot Ion: 96 Resp: 53883

Ion Ratio Lower Upper

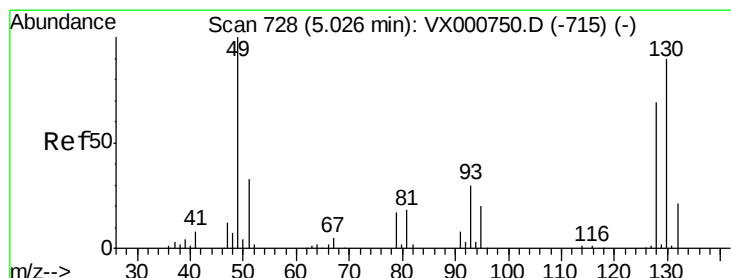
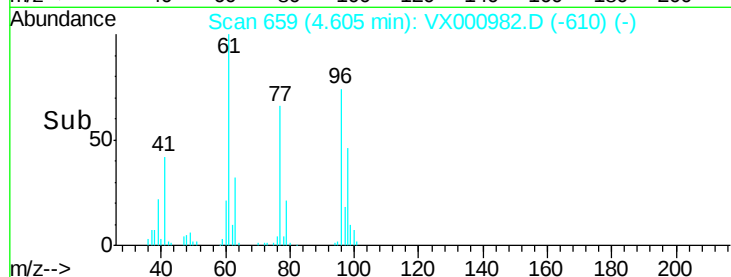
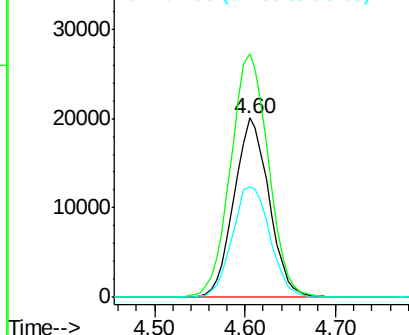
96 100

61 146.2 0.0 292.4

98 66.3 0.0 130.2



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: 14.78 ug/l

RT: 5.03 min Scan# 729

Delta R.T. 0.01 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

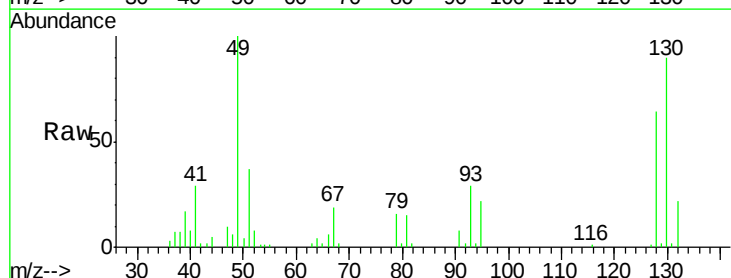
Tgt Ion: 49 Resp: 25606

Ion Ratio Lower Upper

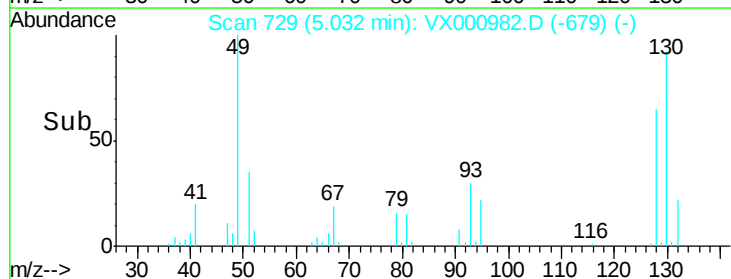
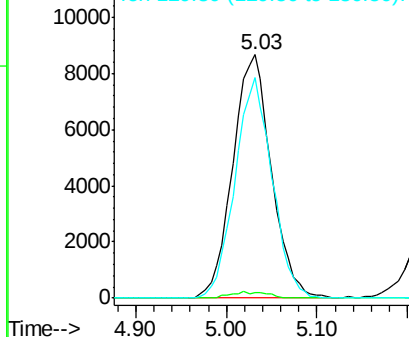
49 100

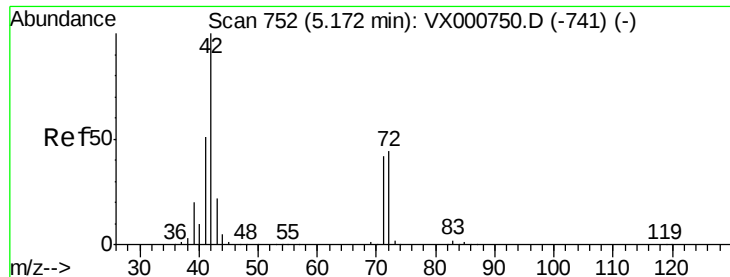
129 2.3 0.0 5.2

130 86.8 72.6 109.0



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: 96.40 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

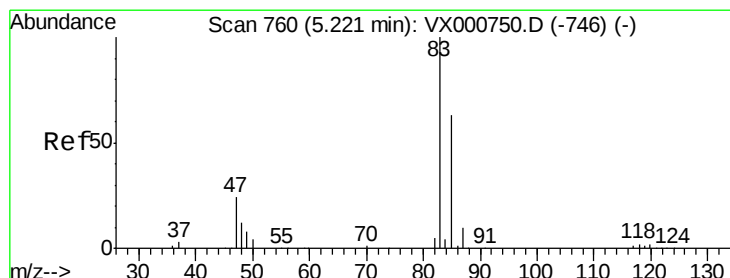
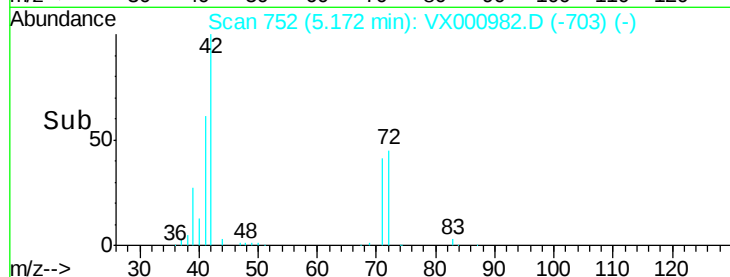
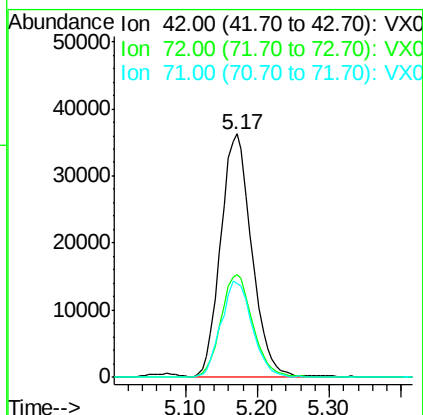
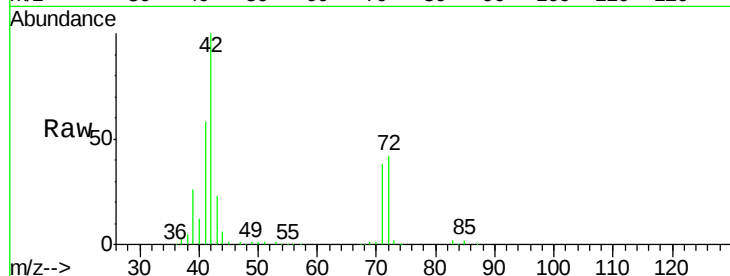
Tot Ion: 42 Resp: 108029

Ion Ratio Lower Upper

42 100

72 43.6 35.1 52.7

71 40.1 32.8 49.2



#30

Chloroform

Concen: 20.16 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX000982.D

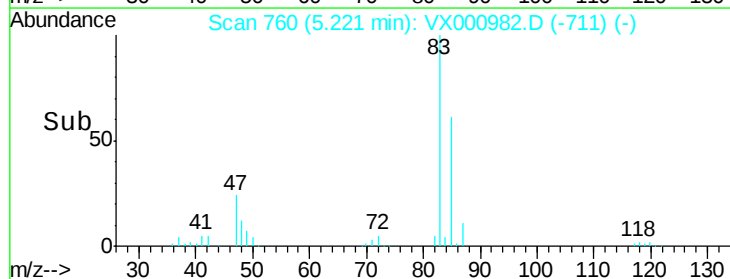
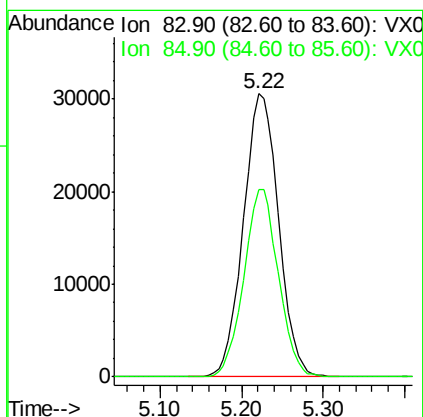
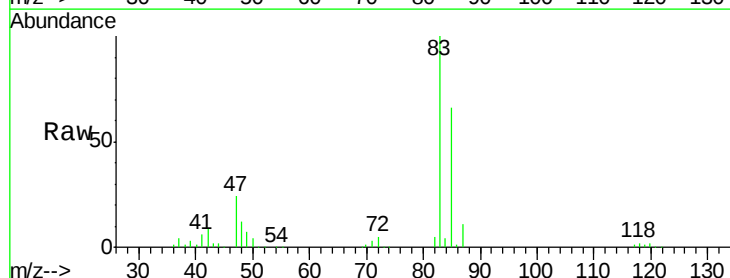
Acq: 17 Apr 2018 22:47

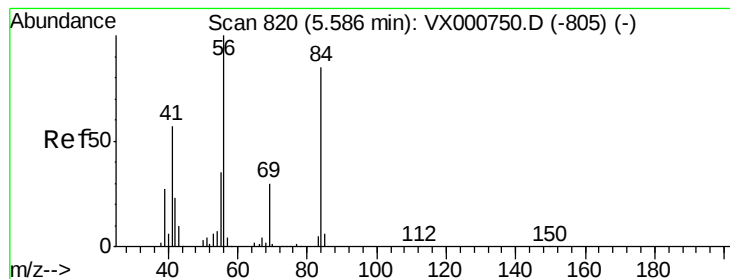
Tgt Ion: 83 Resp: 91806

Ion Ratio Lower Upper

83 100

85 66.0 50.7 76.1





#31

Cyclohexane

Concen: 17.72 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

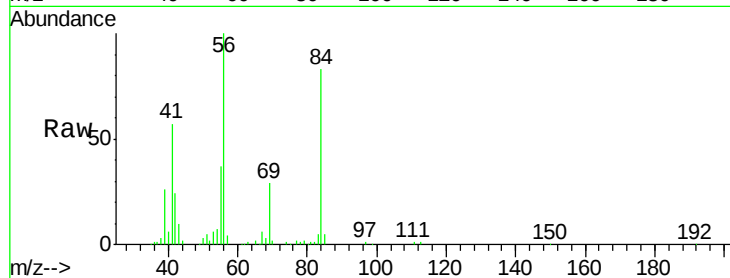
Tot Ion: 56 Resp: 72404

Ion Ratio Lower Upper

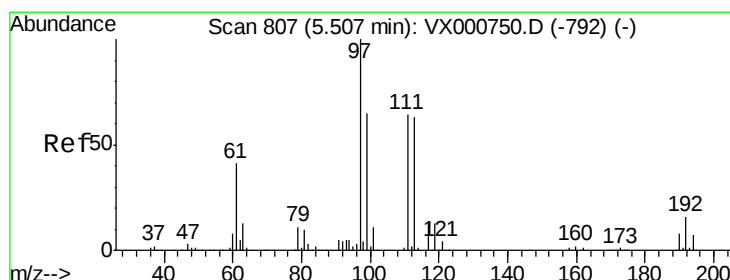
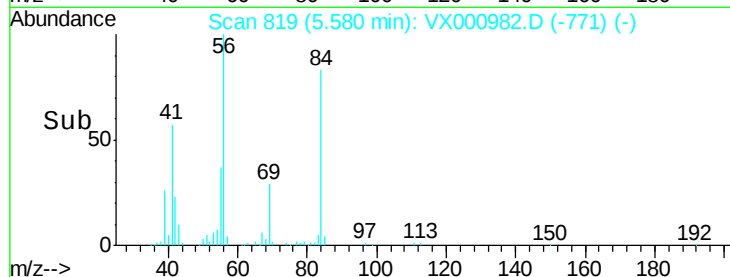
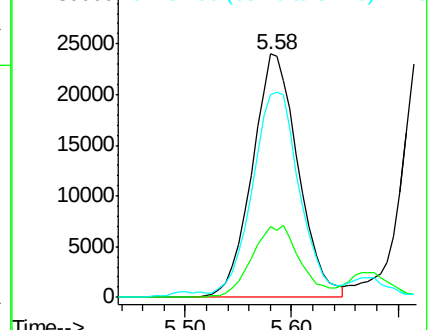
56 100

69 29.1 24.2 36.4

84 81.6 67.6 101.4



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: 18.47 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

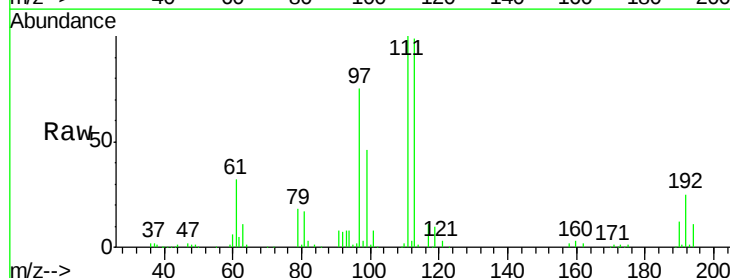
Tgt Ion: 97 Resp: 80128

Ion Ratio Lower Upper

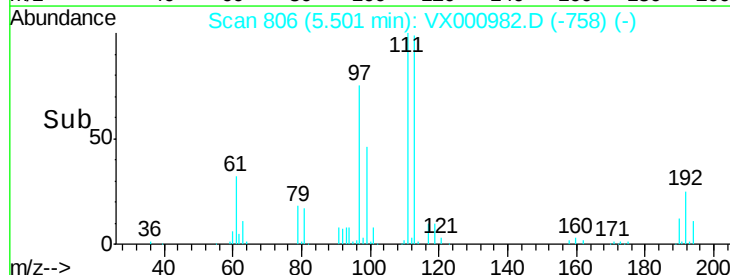
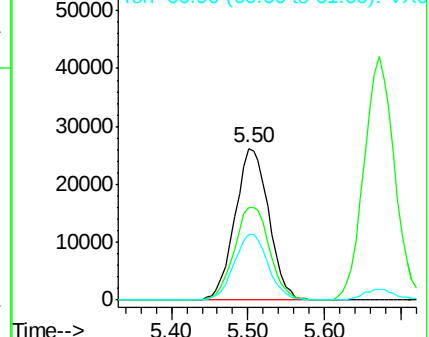
97 100

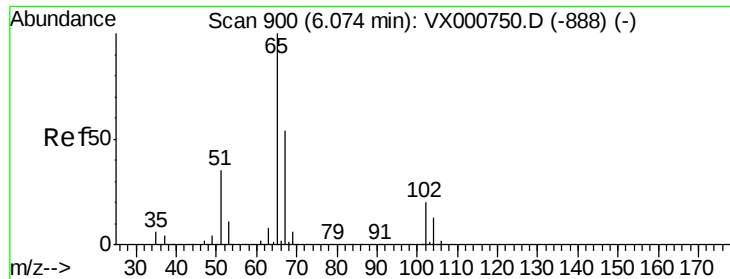
99 63.9 51.4 77.0

61 43.7 33.7 50.5



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

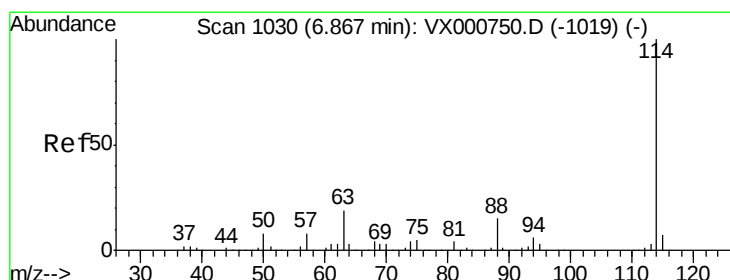
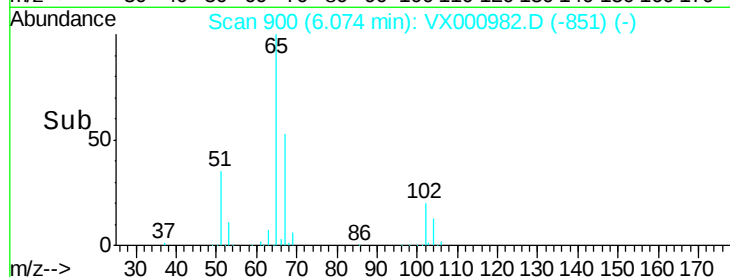
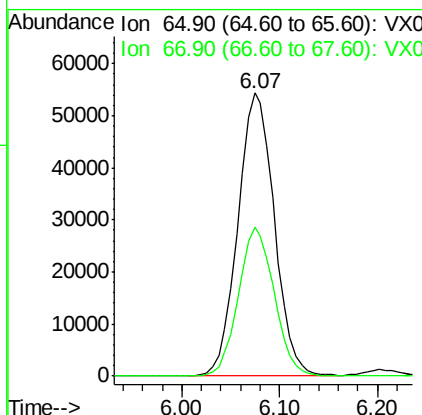
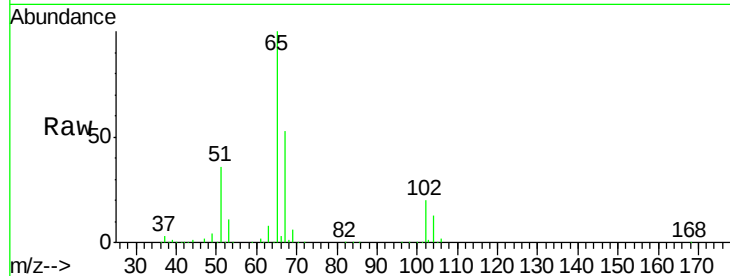




#33
 1,2-Dichloroethane-d4
 Concen: 45.41 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX000982.D
 Acq: 17 Apr 2018 22:47

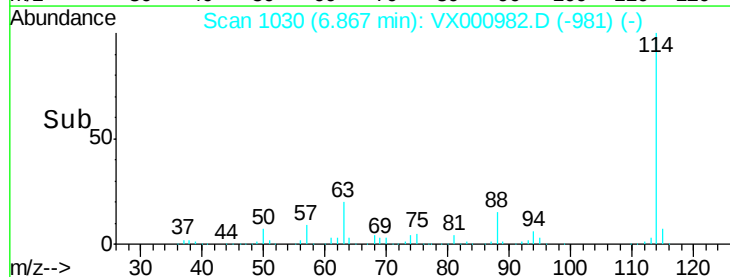
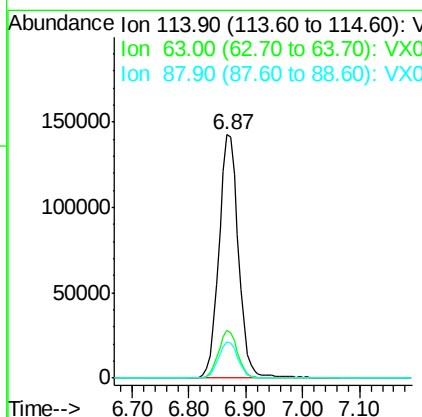
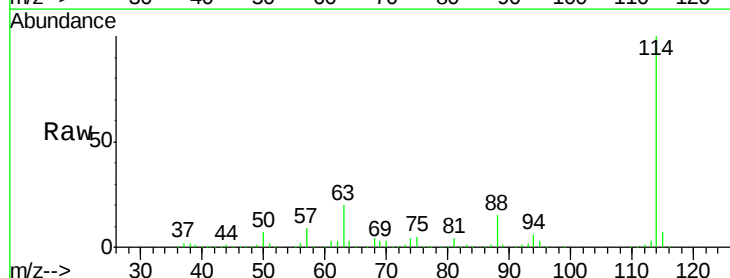
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

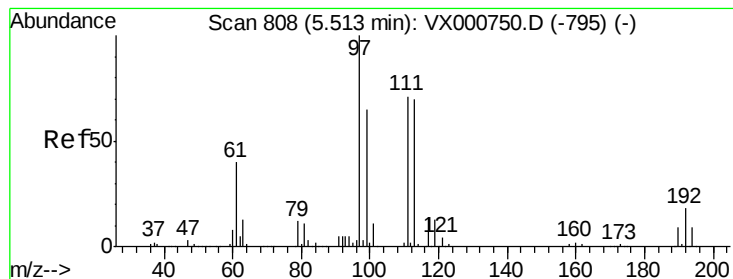
Tot Ion: 65 Resp: 140721
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX000982.D
 Acq: 17 Apr 2018 22:47

Tgt Ion: 114 Resp: 339368
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.4
 88 15.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 43.66 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

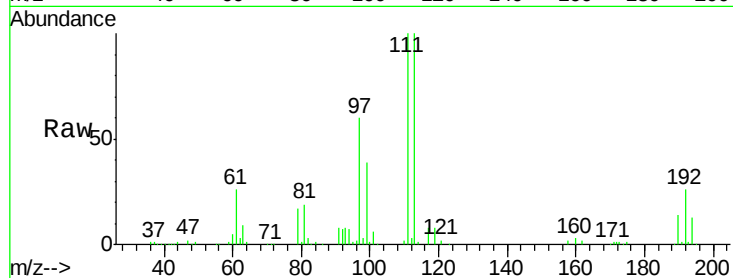
Tot Ion:113 Resp: 114148

Ion Ratio Lower Upper

113 100

111 101.4 81.5 122.3

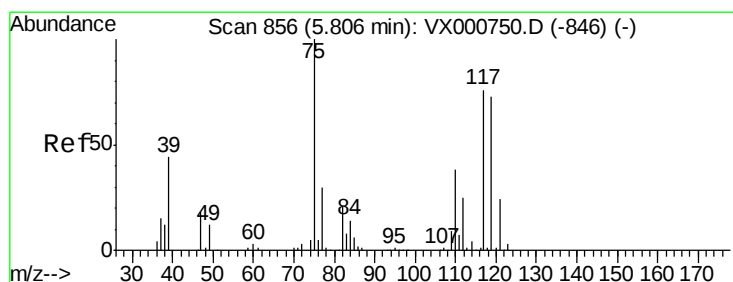
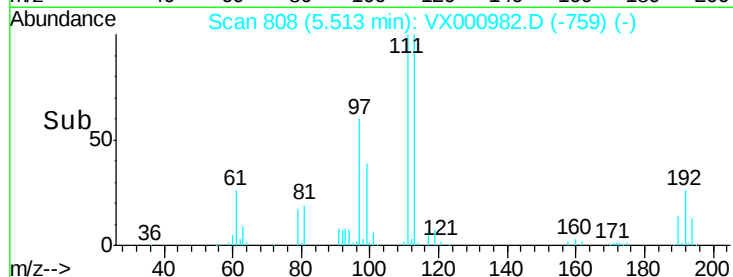
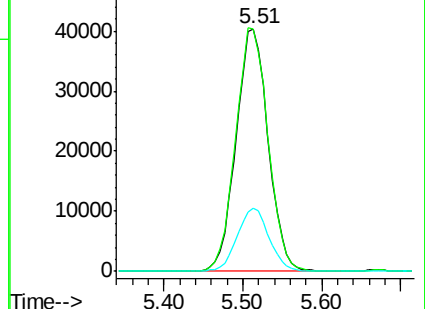
192 25.7 20.4 30.6



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: 17.71 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

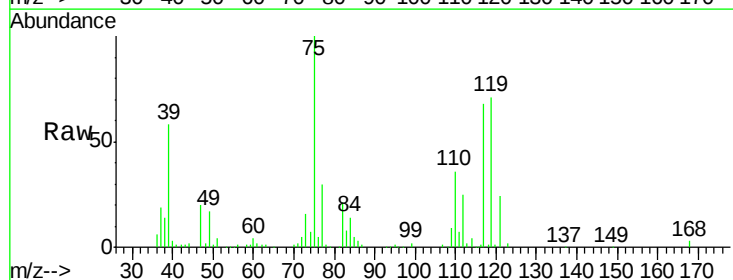
Tgt Ion: 75 Resp: 66175

Ion Ratio Lower Upper

75 100

110 37.2 19.2 57.6

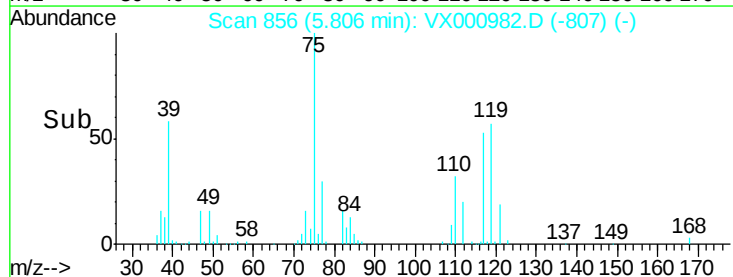
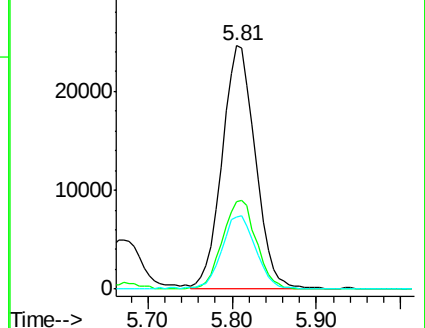
77 31.0 25.4 38.2

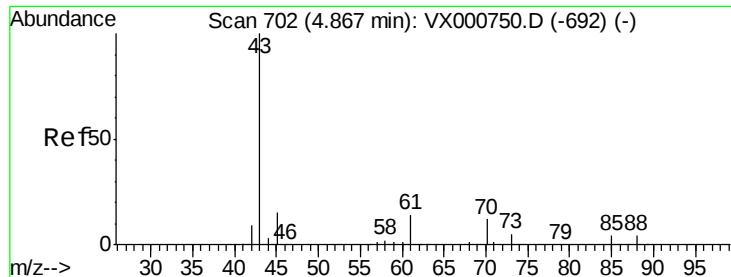


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

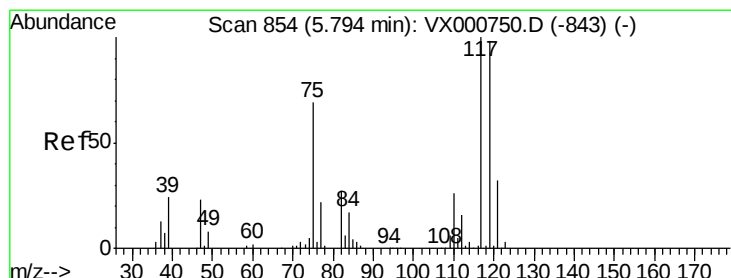
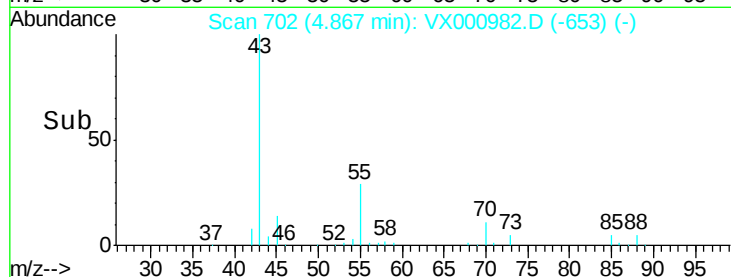
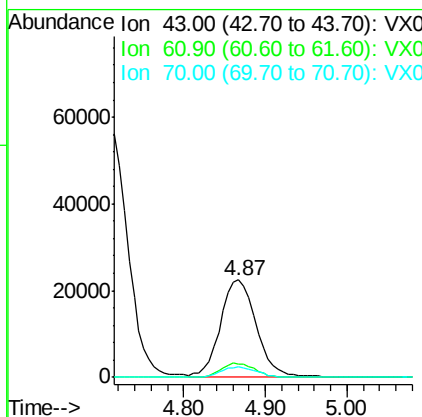
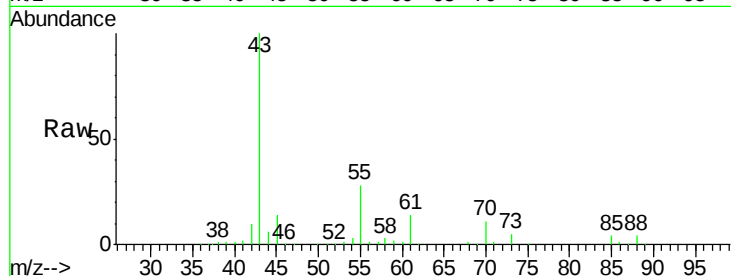




#37
Ethyl Acetate
Concen: 18.49 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

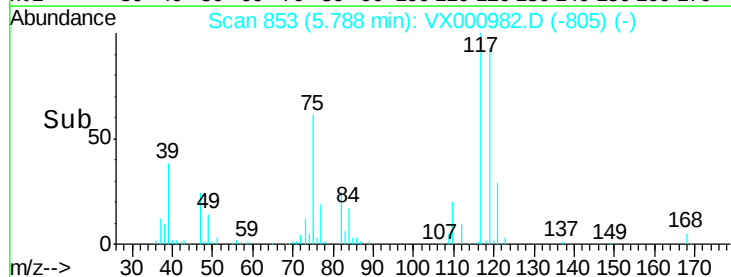
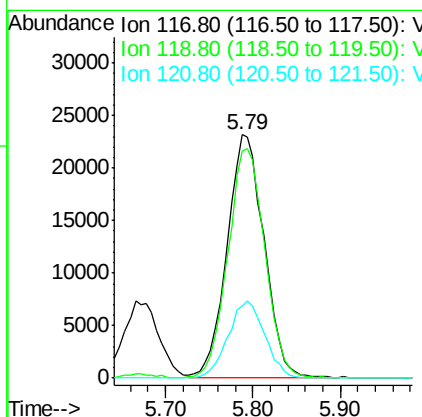
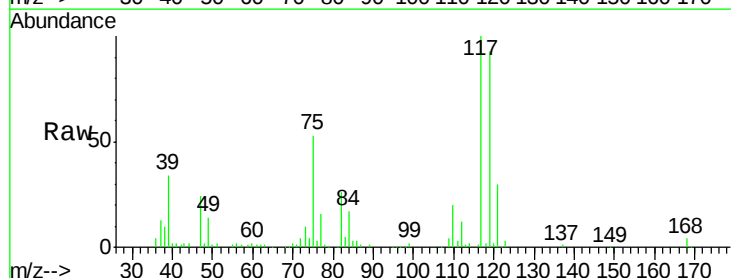
Instrument :
MSVOA_X
ClientSampled :
VX0417WBSD01

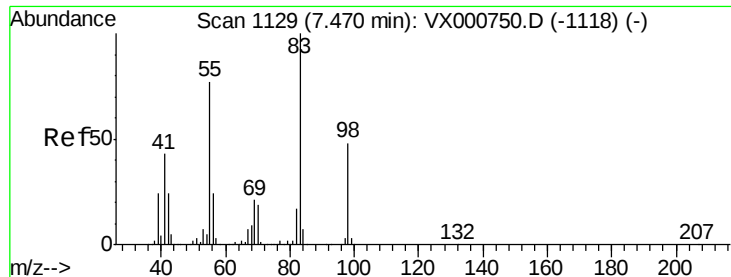
Tot Ion: 43 Resp: 67451
Ion Ratio Lower Upper
43 100
61 14.0 11.0 16.4
70 10.9 8.7 13.1



#38
Carbon Tetrachloride
Concen: 16.21 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Tgt Ion: 117 Resp: 67826
Ion Ratio Lower Upper
117 100
119 93.5 78.4 117.6
121 29.9 25.4 38.0

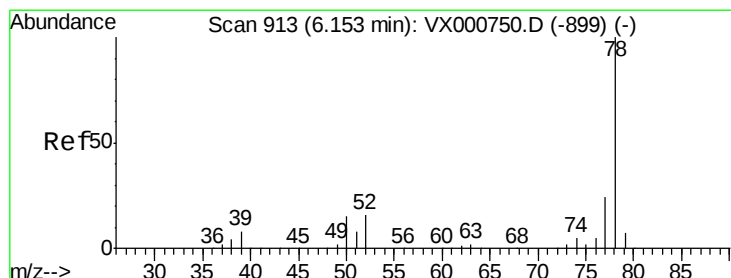
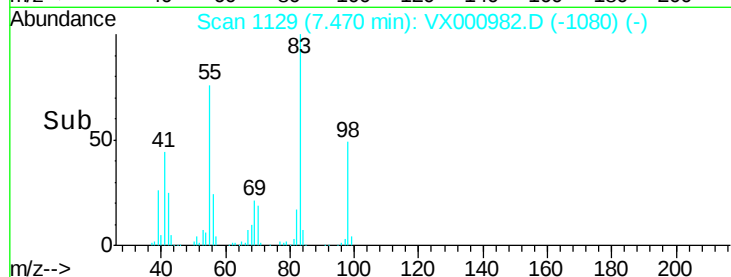
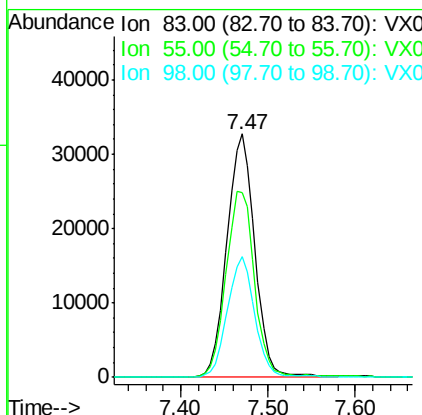
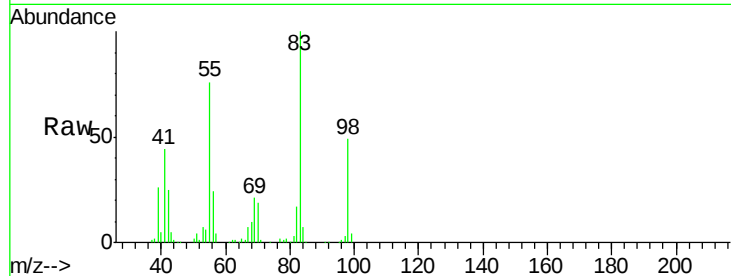




#39
Methvlcvclohexane
Concen: 16.26 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

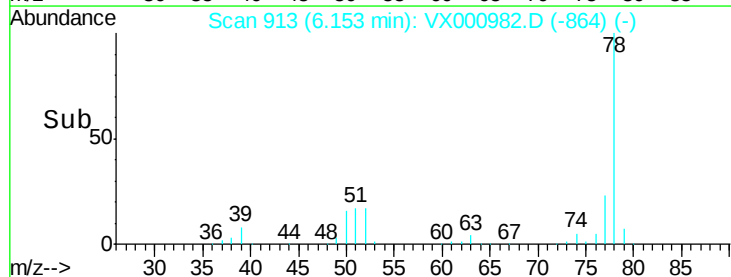
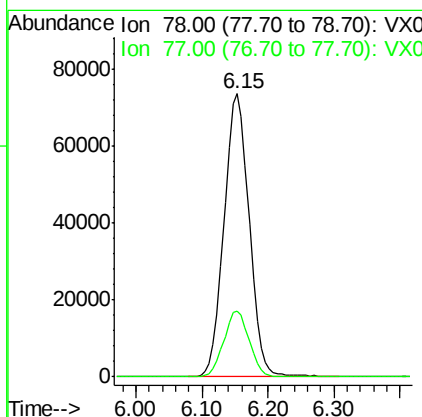
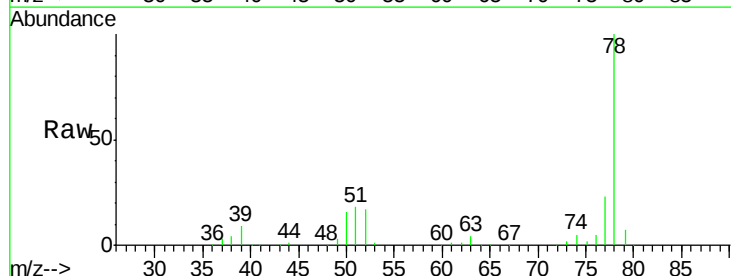
Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

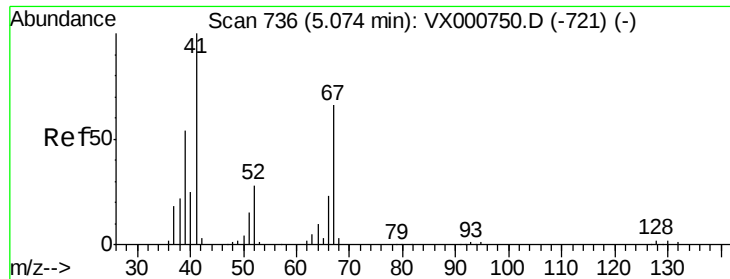
Tot Ion: 83 Resp: 73000
Ion Ratio Lower Upper
83 100
55 75.9 61.5 92.3
98 49.5 38.1 57.1



#40
Benzene
Concen: 18.71 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Tgt Ion: 78 Resp: 194335
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6

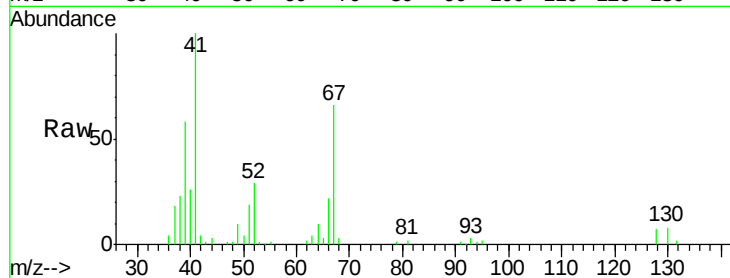




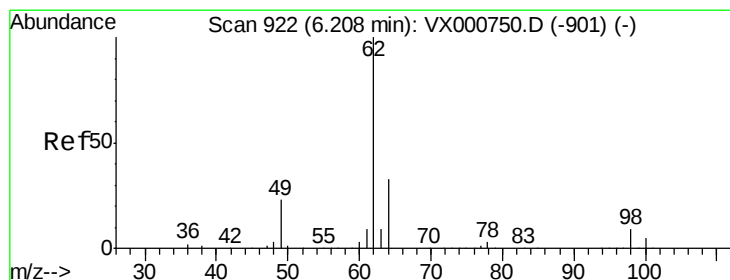
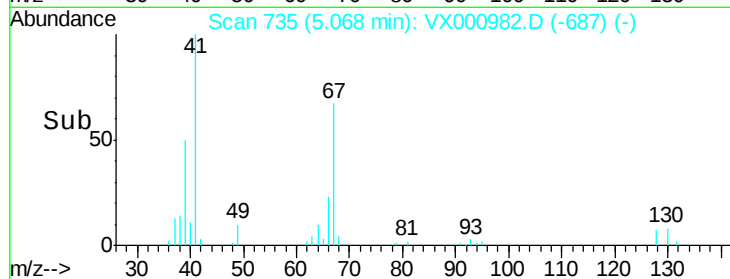
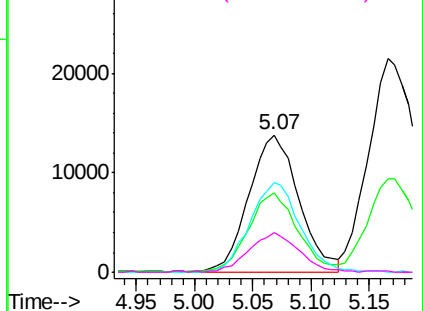
#41
Methacrylonitrile
Concen: 19.43 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion:	41	Resp:	40960
Ion	Ratio	Lower	Upper
41	100		
39	57.4	44.9	67.3
67	66.2	54.7	82.1
52	28.8	23.0	34.6

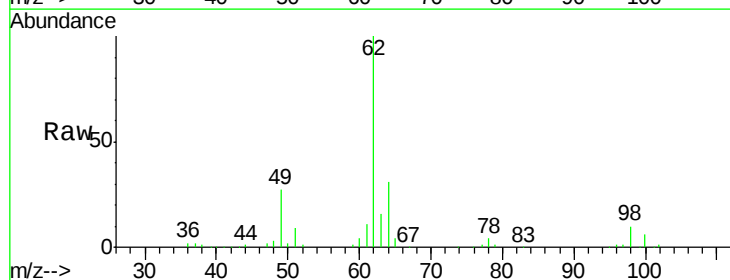


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

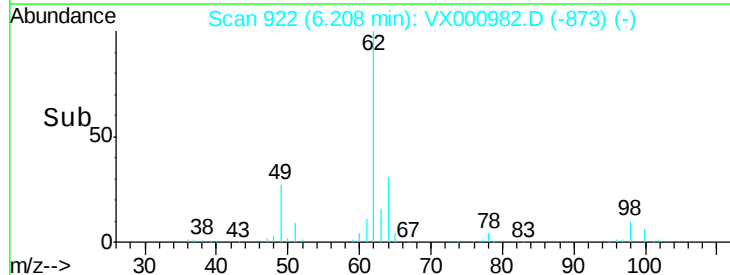
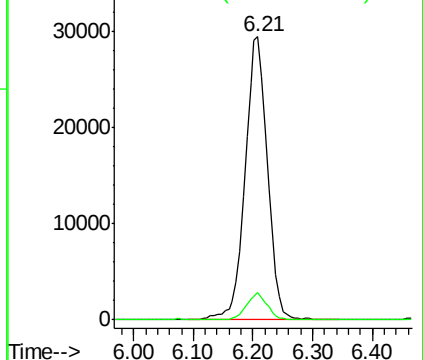


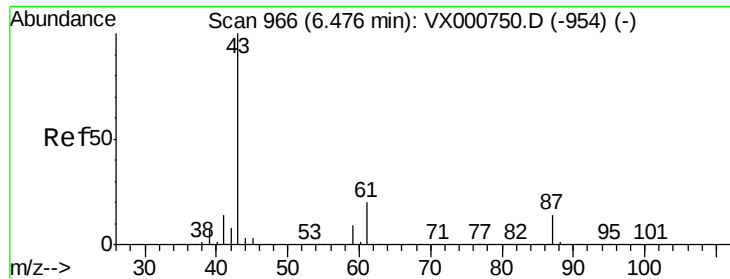
#42
1,2-Dichloroethane
Concen: 19.77 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Tgt Ion:	62	Resp:	76665
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 18.20 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

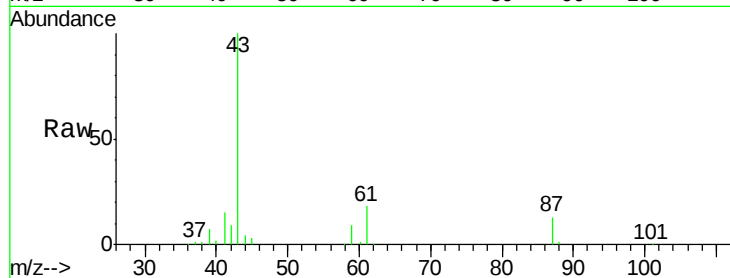
Tot Ion: 43 Resp: 113838

Ion Ratio Lower Upper

43 100

61 19.0 15.6 23.4

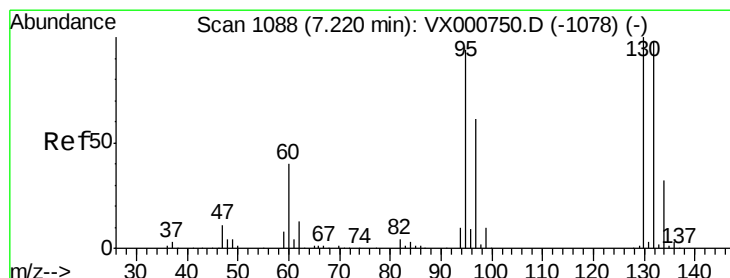
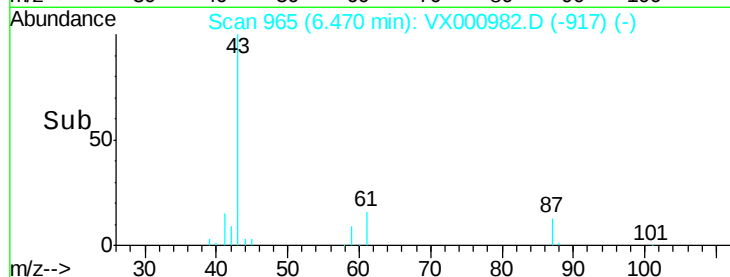
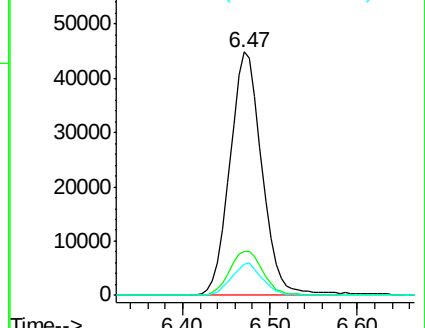
87 12.6 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 18.40 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX000982.D

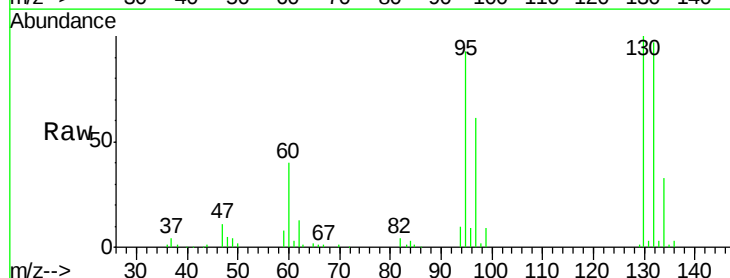
Acq: 17 Apr 2018 22:47

Tgt Ion:130 Resp: 59436

Ion Ratio Lower Upper

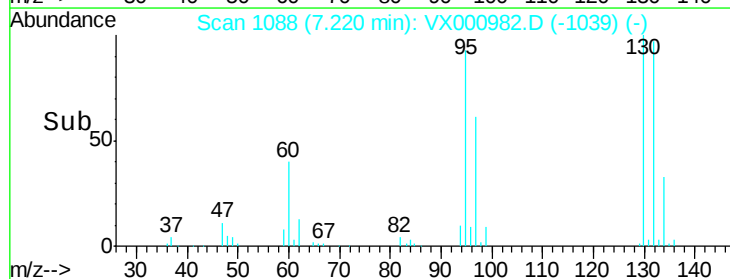
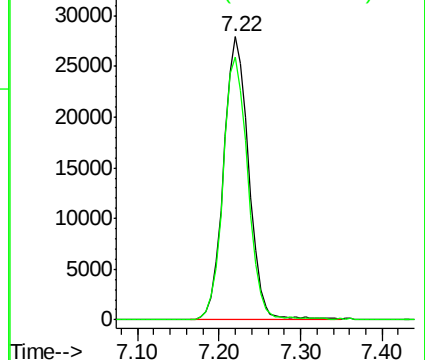
130 100

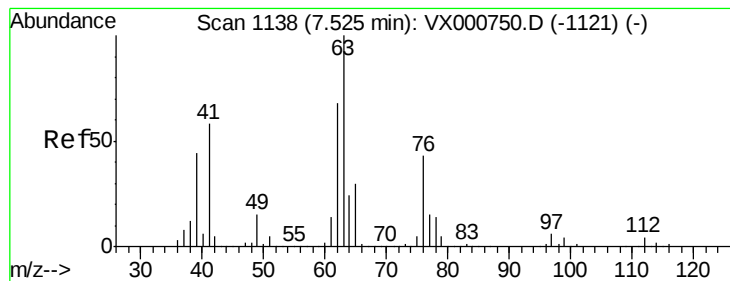
95 92.9 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.07 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

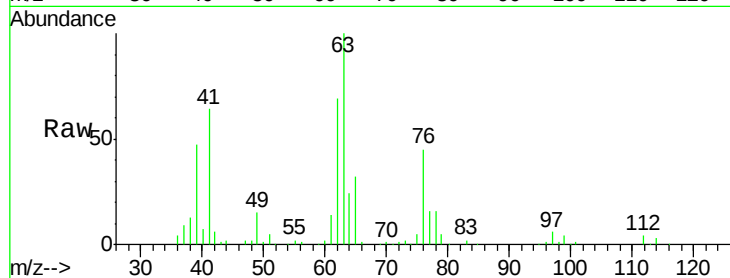
VX0417WBSD01

Tot Ion: 63 Resp: 50442

Ion Ratio Lower Upper

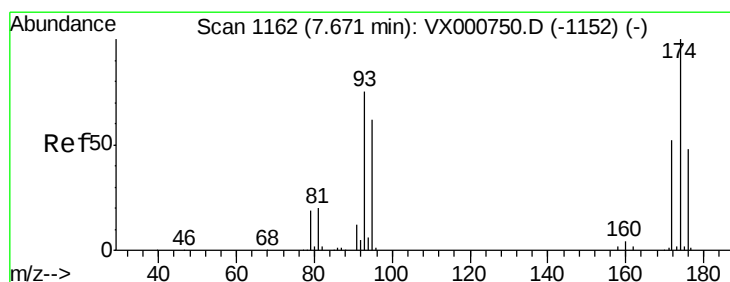
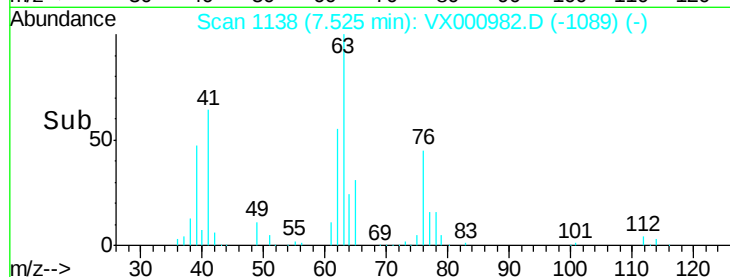
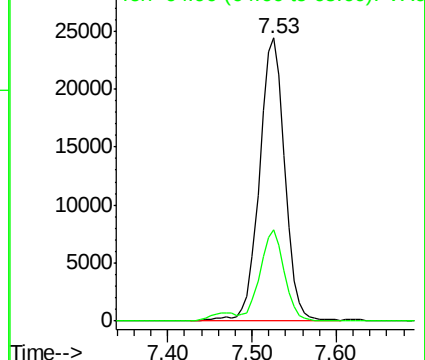
63 100

65 32.2 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.84 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

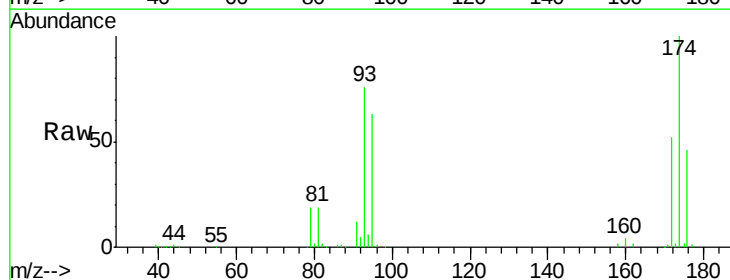
Tgt Ion: 93 Resp: 34743

Ion Ratio Lower Upper

93 100

95 83.4 66.6 100.0

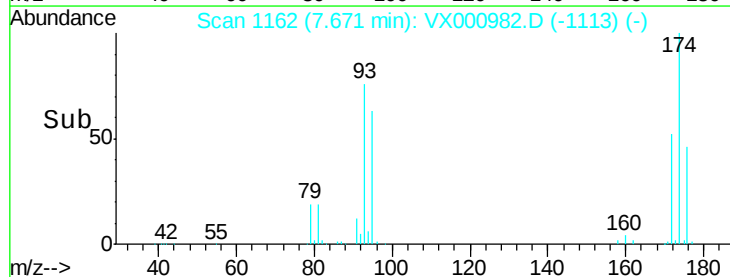
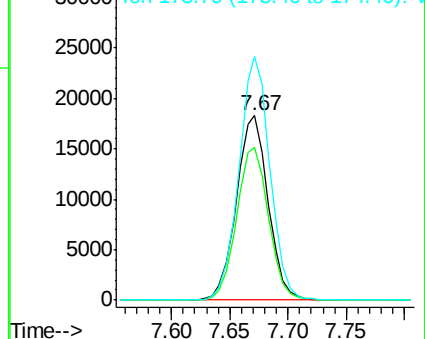
174 128.5 104.5 156.7

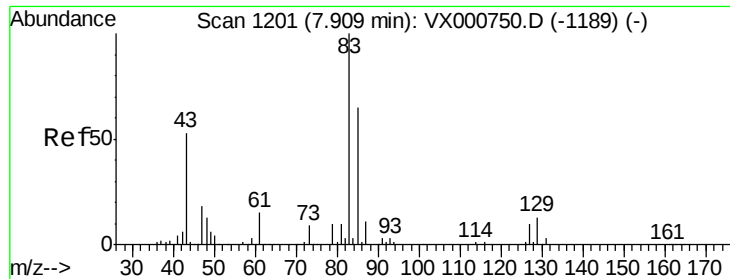


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.48 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

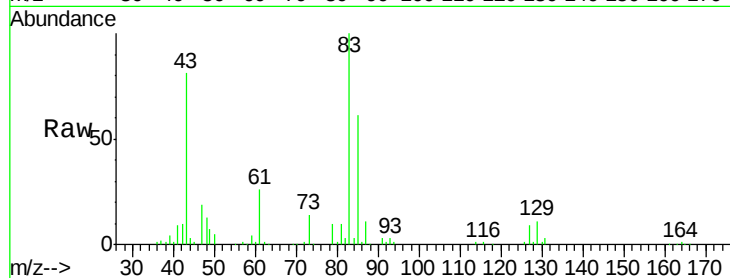
Tot Ion: 83 Resp: 65026

Ion Ratio Lower Upper

83 100

85 60.8 52.2 78.4

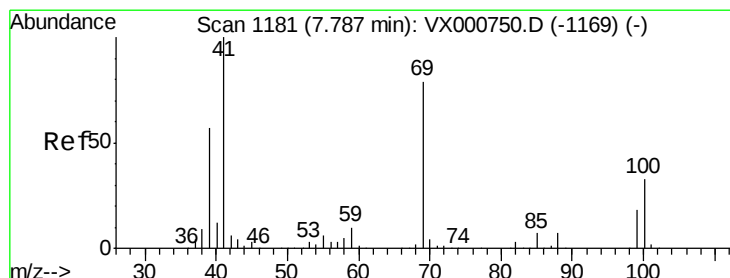
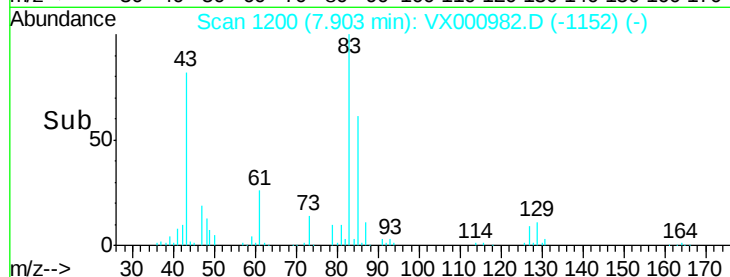
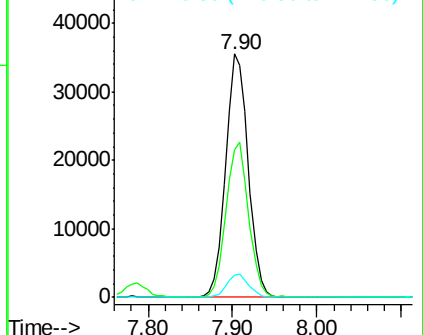
127 8.9 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.49 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

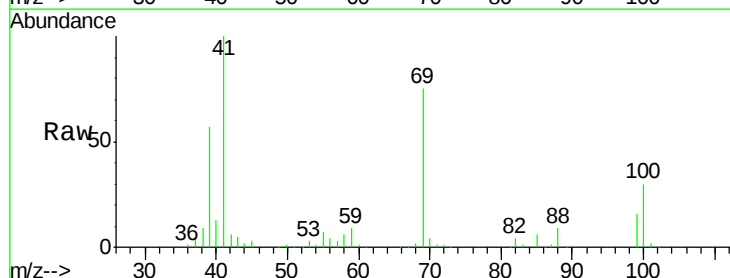
Tgt Ion: 41 Resp: 59946

Ion Ratio Lower Upper

41 100

69 79.8 63.9 95.9

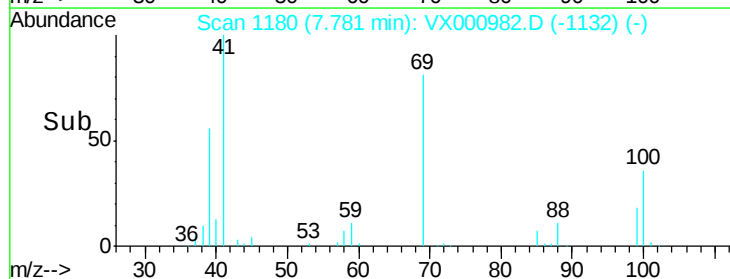
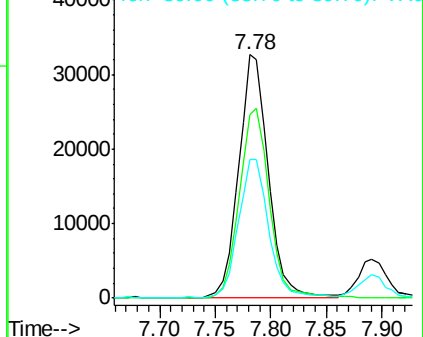
39 58.0 45.9 68.9

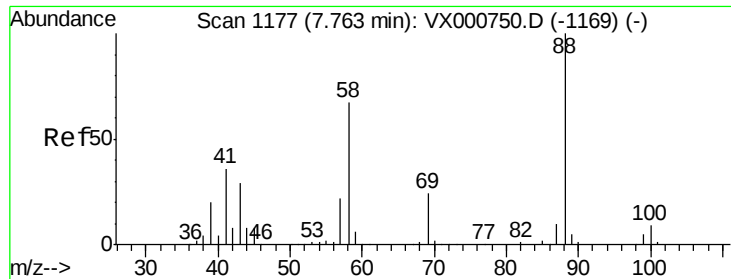


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

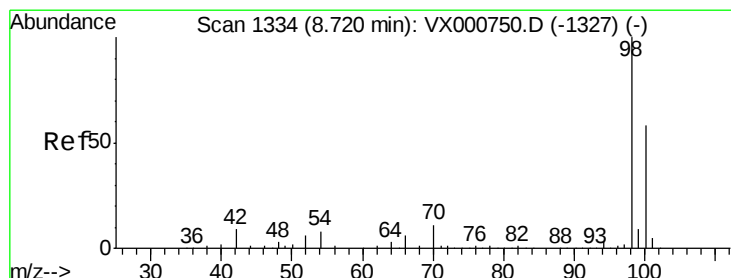
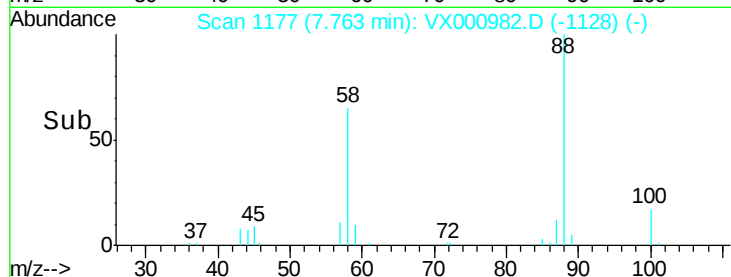
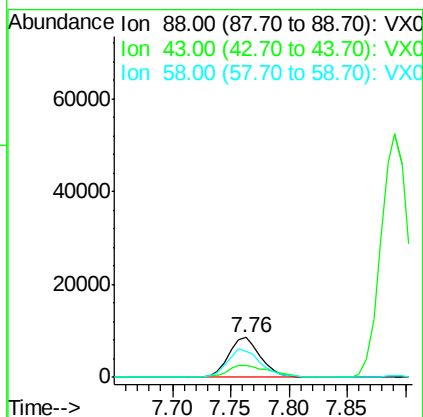
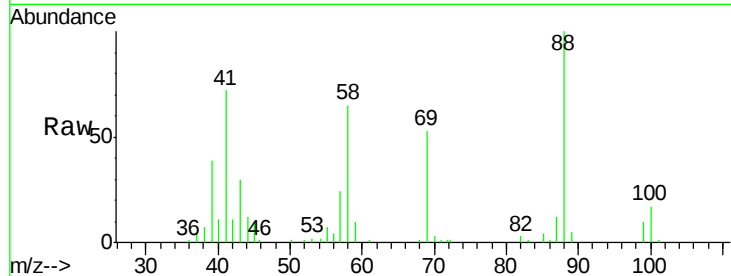




#49
1,4-Dioxane
Concen: 254.83 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

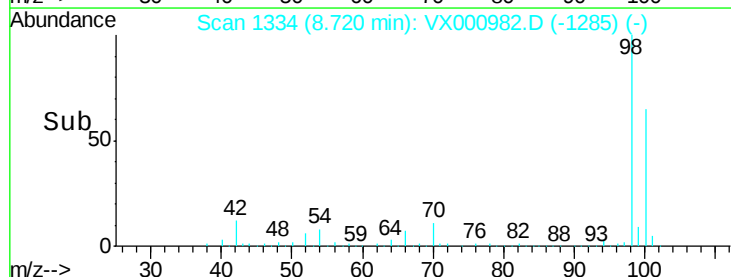
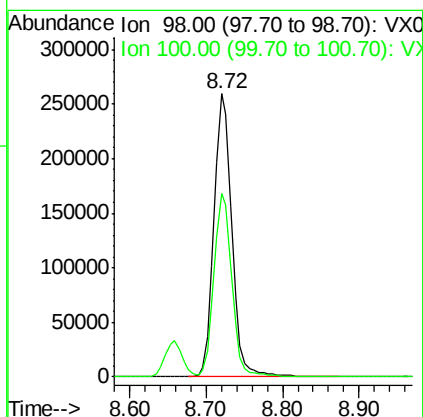
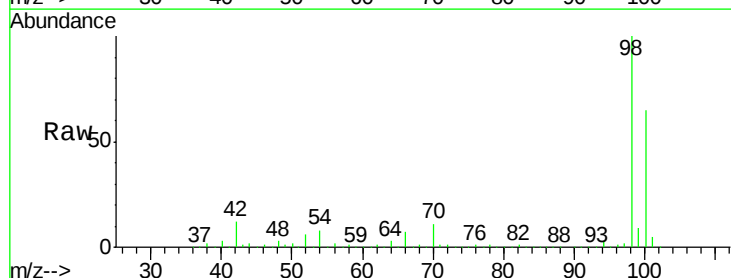
Instrument :
MSVOA_X
ClientSampled :
VX0417WBSD01

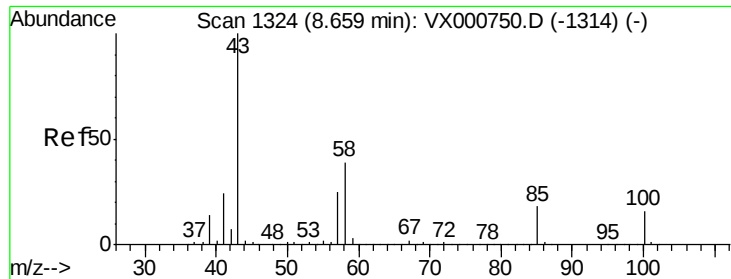
Tot Ion: 88 Resp: 16605
Ion Ratio Lower Upper
88 100
43 37.4 25.8 38.8
58 73.2 54.4 81.6



#50
Toluene-d8
Concen: 43.31 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Tgt Ion: 98 Resp: 421597
Ion Ratio Lower Upper
98 100
100 64.9 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 96.58 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

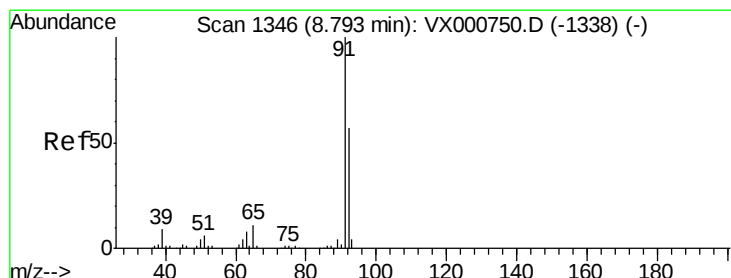
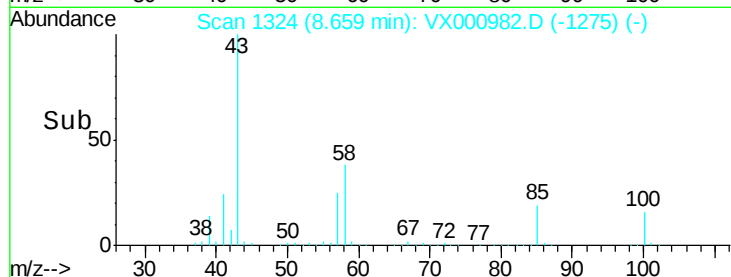
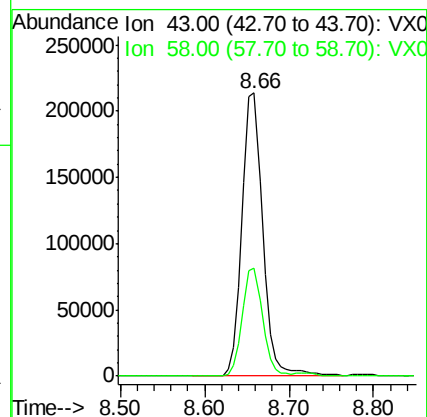
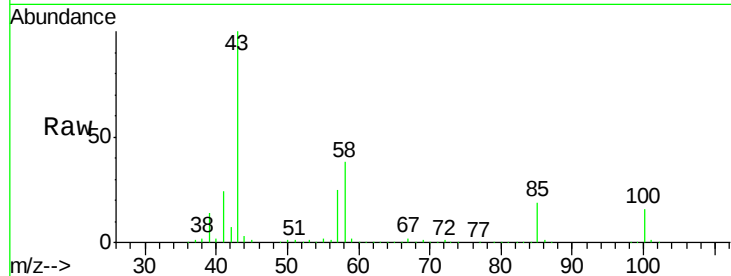
VX0417WBSD01

Tot Ion: 43 Resp: 354898

Ion Ratio Lower Upper

43 100

58 37.2 30.3 45.5



#52

Toluene

Concen: 18.58 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000982.D

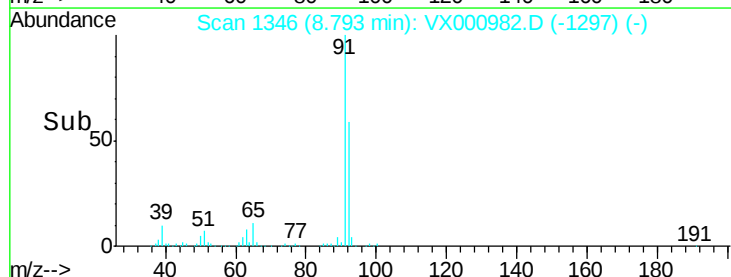
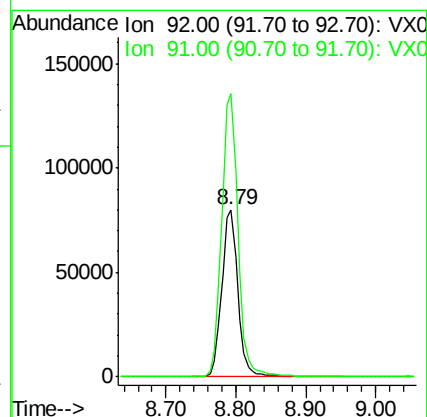
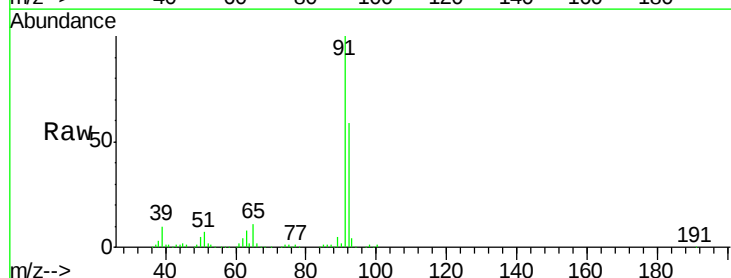
Acq: 17 Apr 2018 22:47

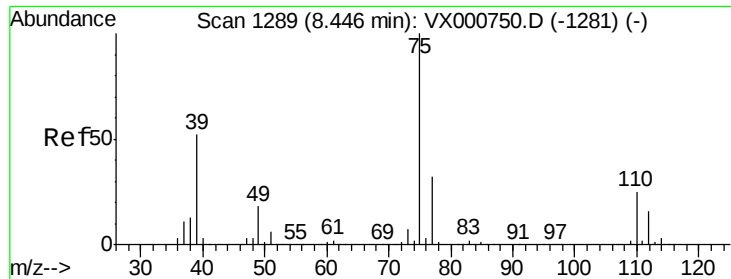
Tgt Ion: 92 Resp: 128035

Ion Ratio Lower Upper

92 100

91 172.6 139.0 208.4

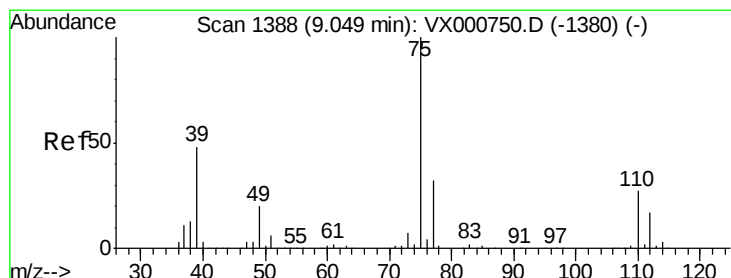
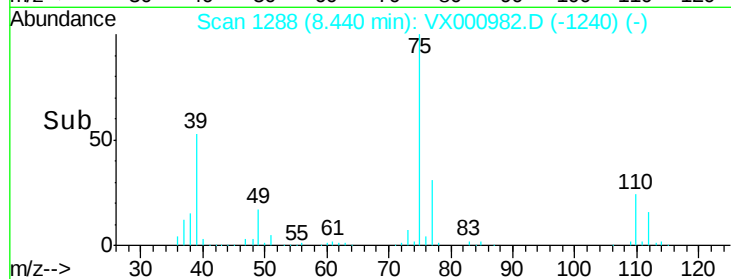
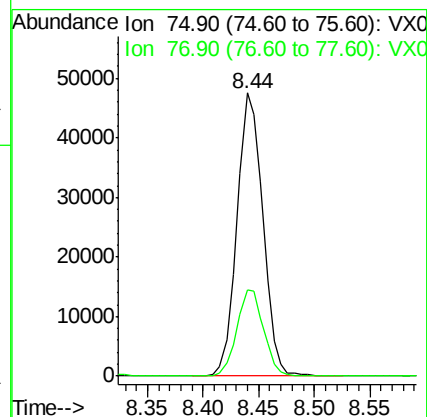
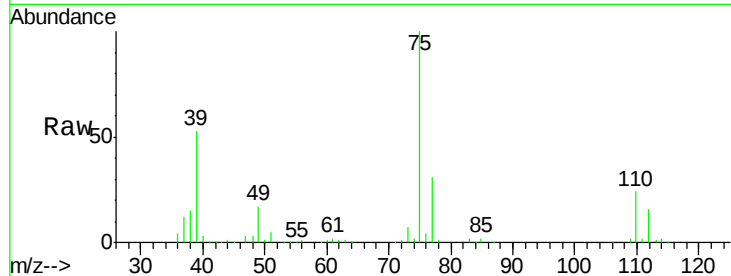




#53
t-1,3-Dichloropropene
Concen: 17.15 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

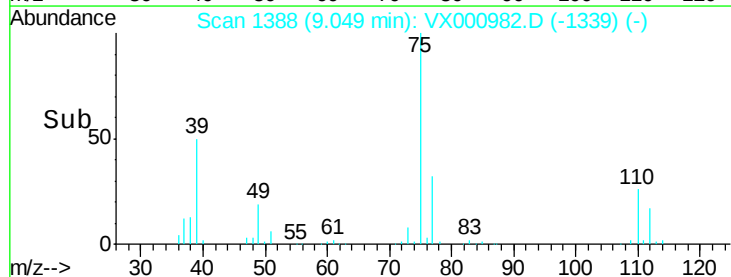
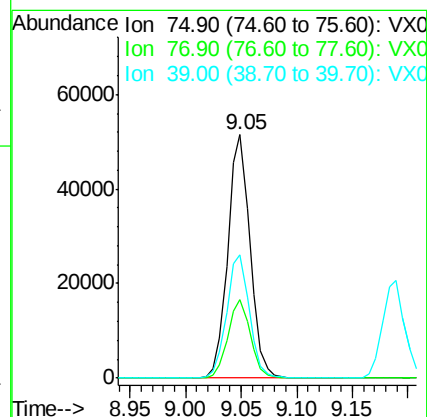
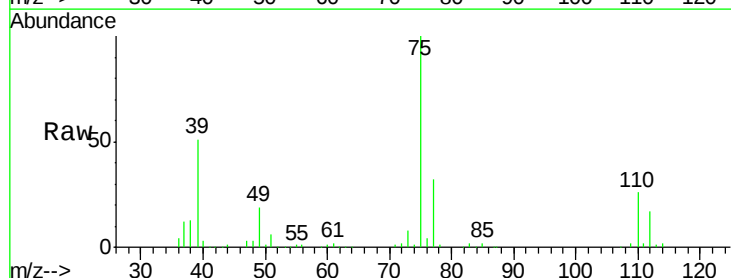
Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

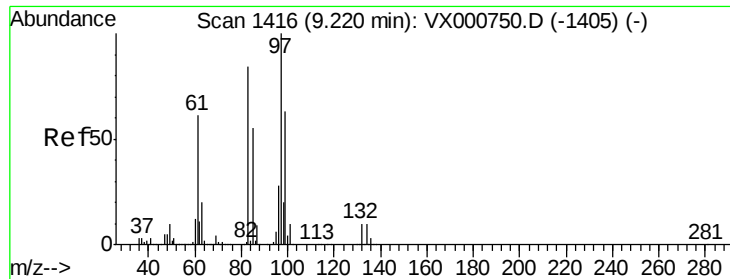
Tot Ion: 75 Resp: 76536
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 16.38 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Tgt Ion: 75 Resp: 71181
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2
39 50.4 38.6 58.0

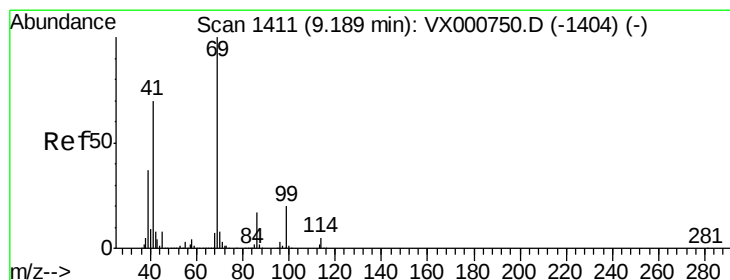
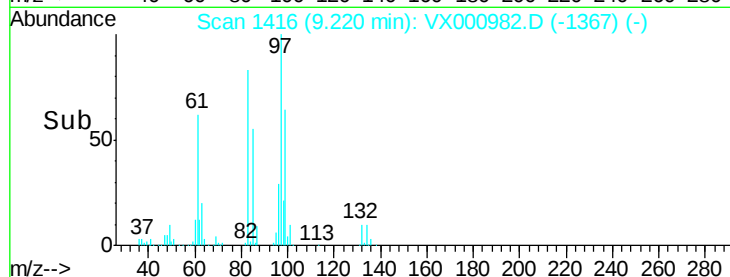
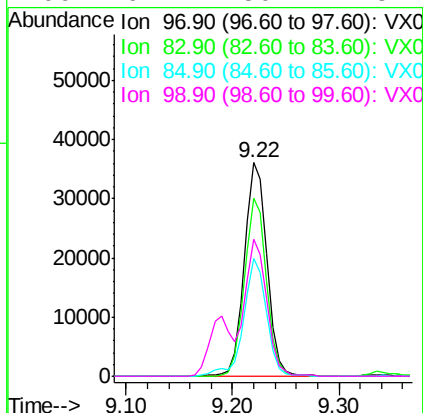
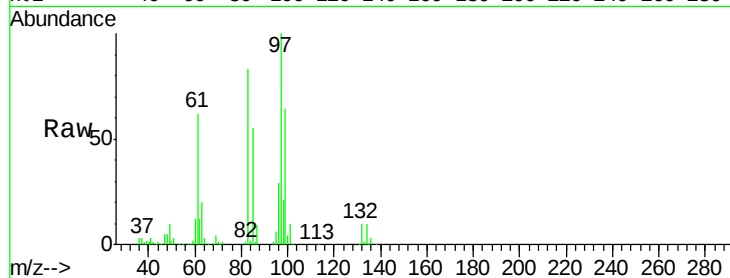




#55
 1,1,2-Trichloroethane
 Concen: 19.75 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX000982.D
 Acq: 17 Apr 2018 22:47

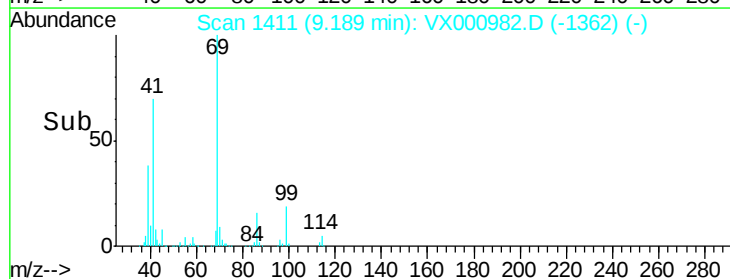
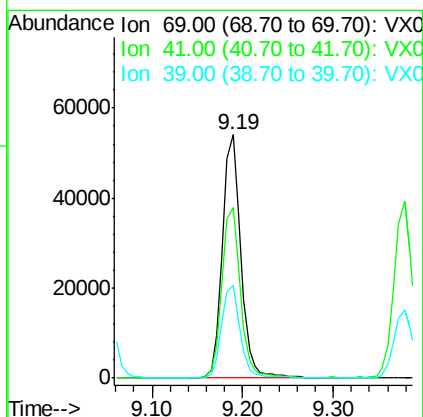
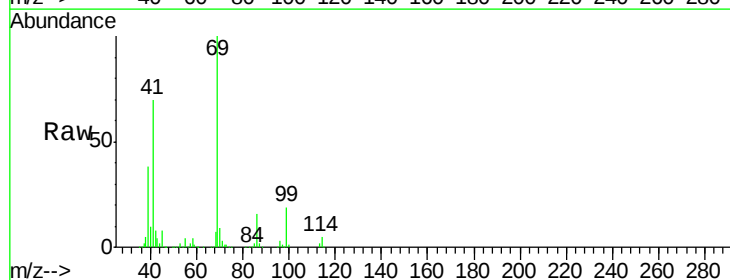
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

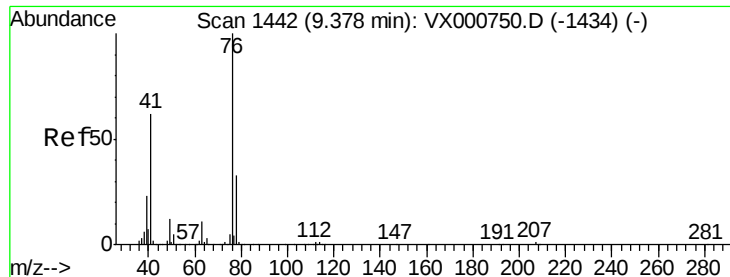
Tot Ion:	97	Resp:	54005
Ion	Ratio	Lower	Upper
97	100		
83	83.1	67.6	101.4
85	55.3	43.8	65.6
99	64.2	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 18.23 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000982.D
 Acq: 17 Apr 2018 22:47

Tgt Ion:	69	Resp:	76913
Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.6	83.4
39	38.4	30.3	45.5





#57

1,3-Dichloropropane

Concen: 19.98 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

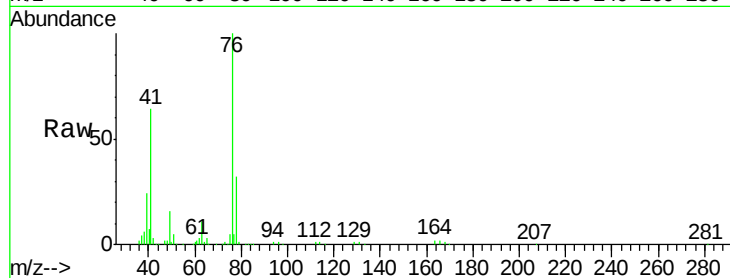
VX0417WBSD01

Tot Ion: 76 Resp: 86885

Ion Ratio Lower Upper

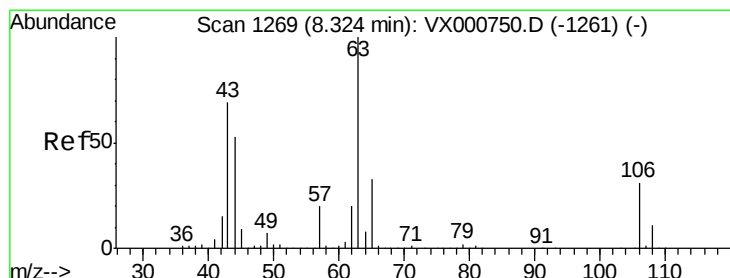
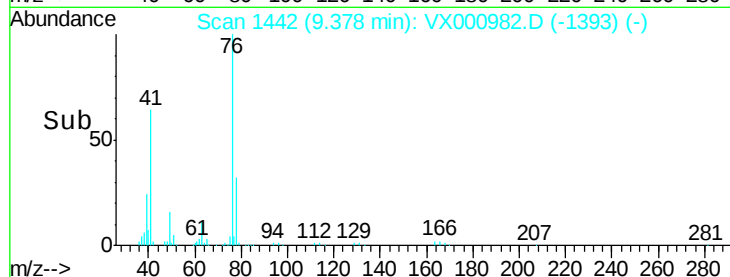
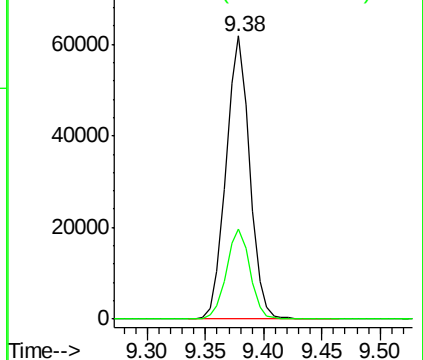
76 100

78 32.0 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 94.50 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX000982.D

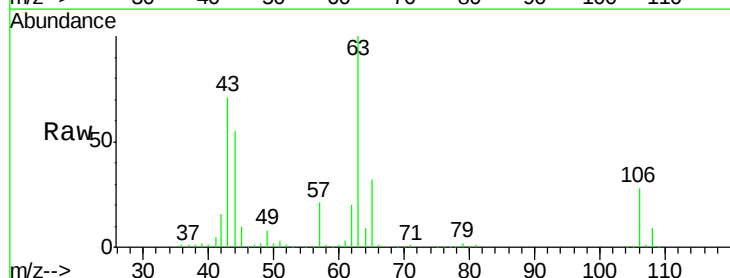
Acq: 17 Apr 2018 22:47

Tgt Ion: 63 Resp: 186296

Ion Ratio Lower Upper

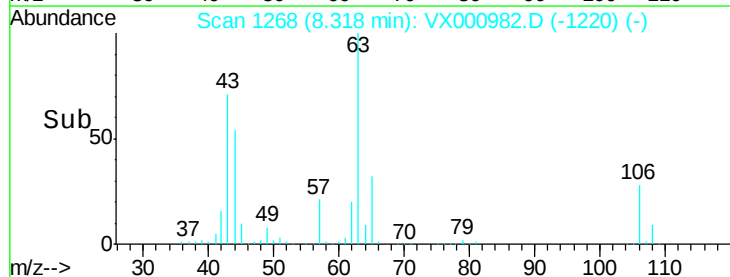
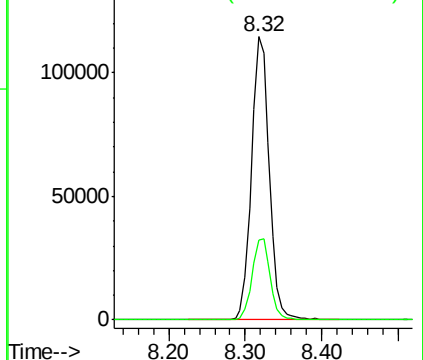
63 100

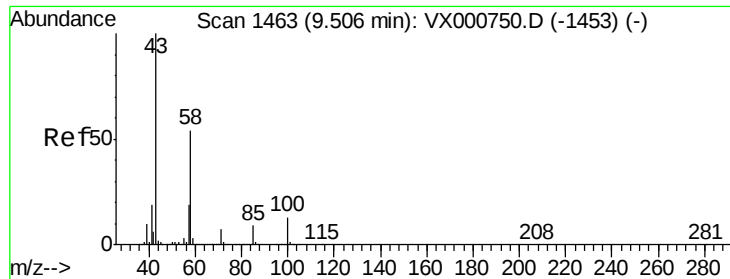
106 29.0 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

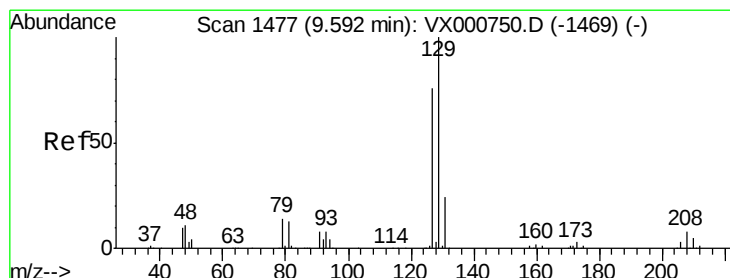
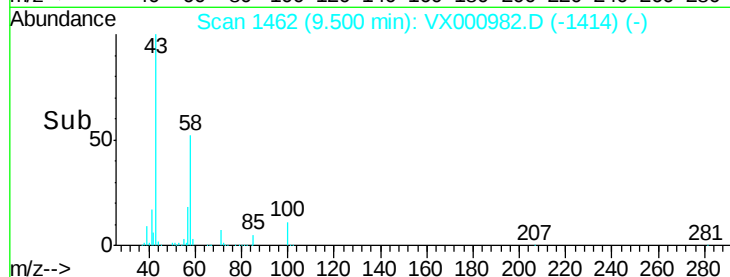
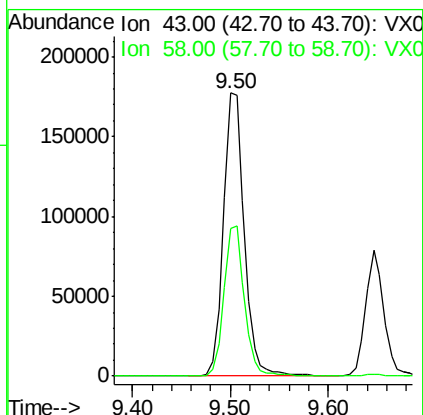
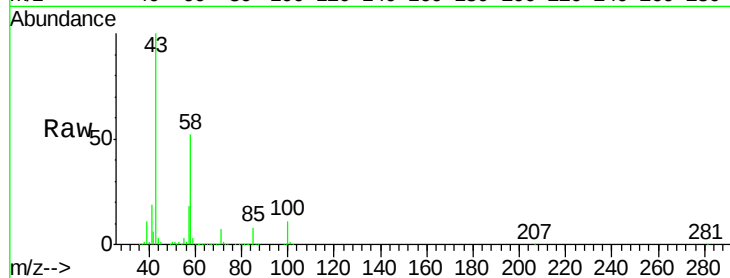




#59
2-Hexanone
Concen: 92.12 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

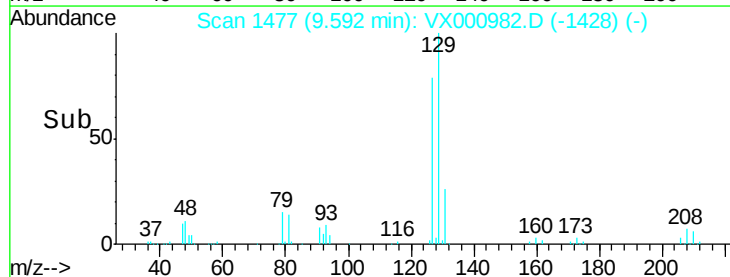
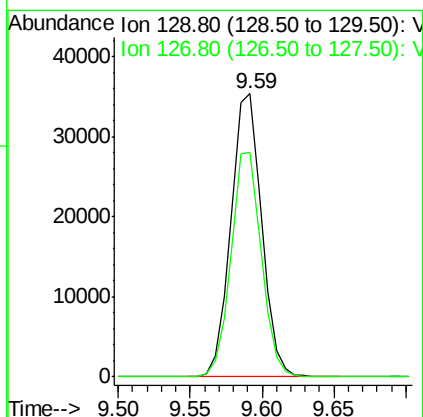
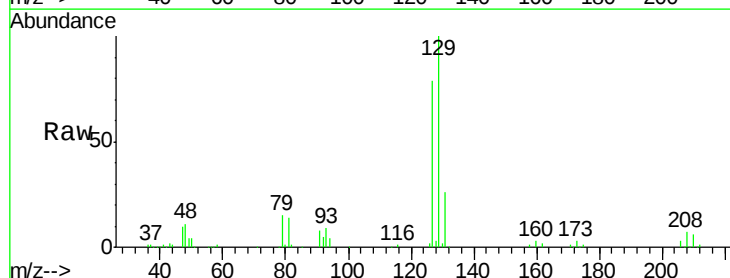
Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

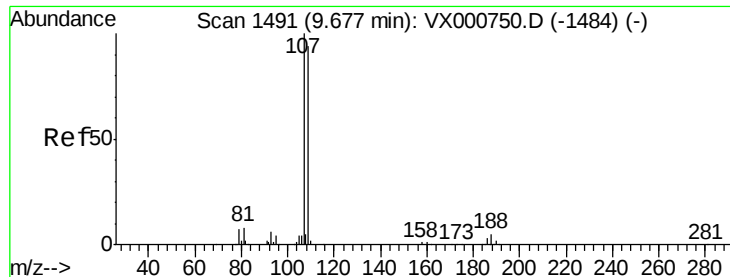
Tot Ion: 43 Resp: 261330
Ion Ratio Lower Upper
43 100
58 52.4 26.5 79.5



#60
Dibromochloromethane
Concen: 16.18 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Tgt Ion: 129 Resp: 52941
Ion Ratio Lower Upper
129 100
127 78.5 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.14 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

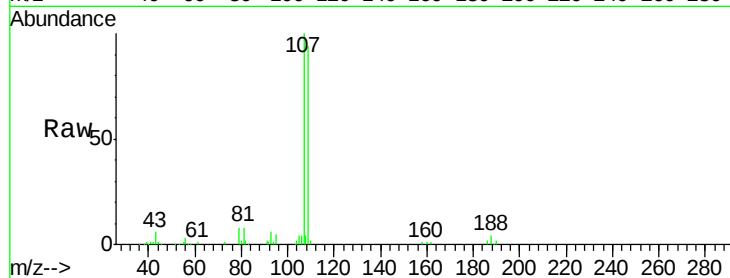
VX0417WBSD01

Tot Ion:107 Resp: 55524

Ion Ratio Lower Upper

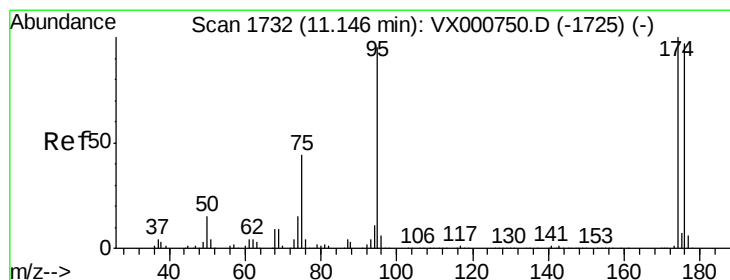
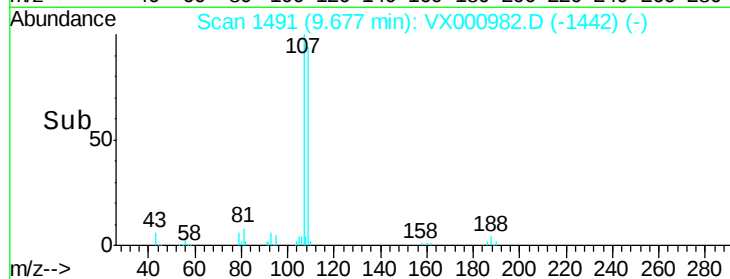
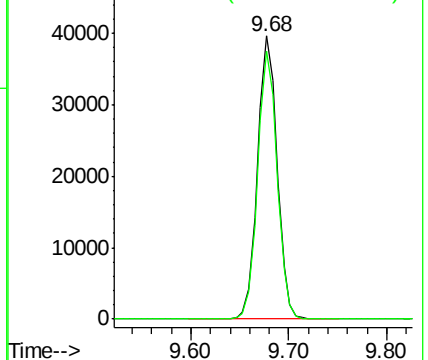
107 100

109 94.1 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.41 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

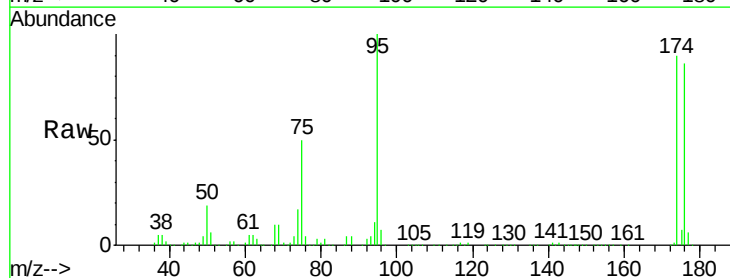
Tgt Ion: 95 Resp: 170802

Ion Ratio Lower Upper

95 100

174 98.5 0.0 198.4

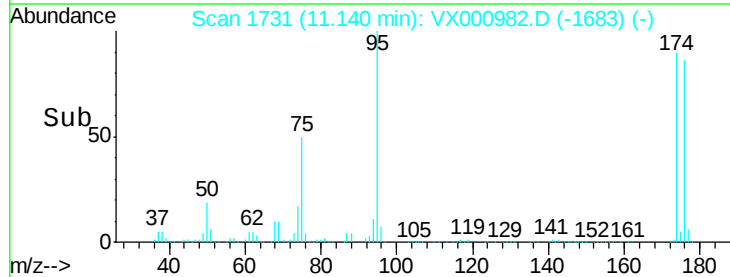
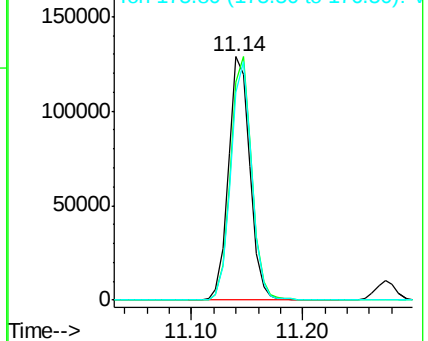
176 95.9 0.0 194.4

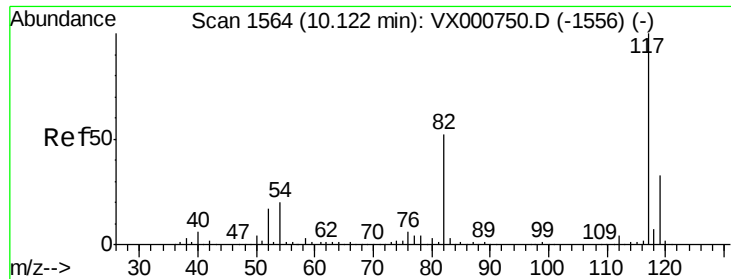


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

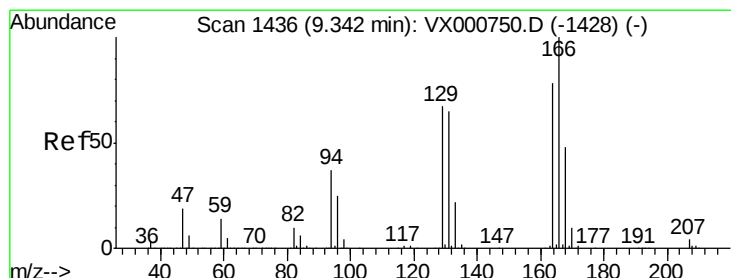
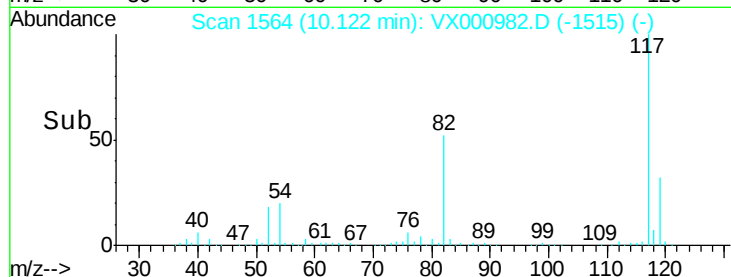
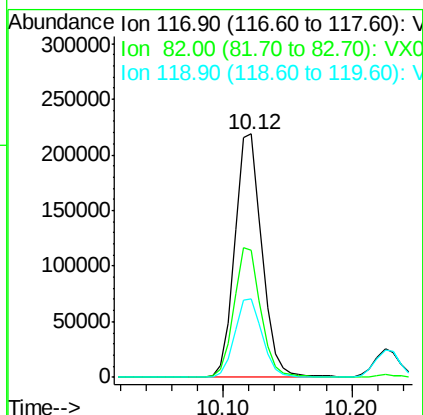
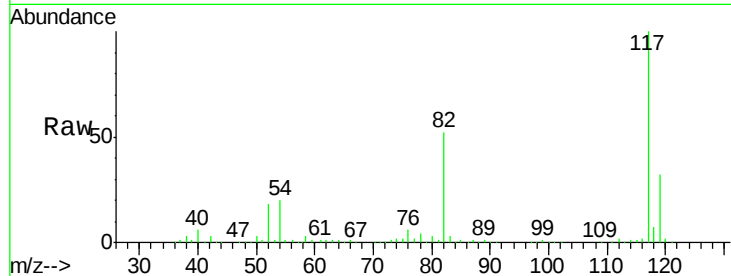




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

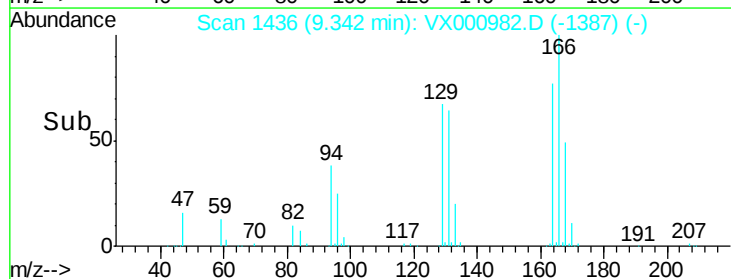
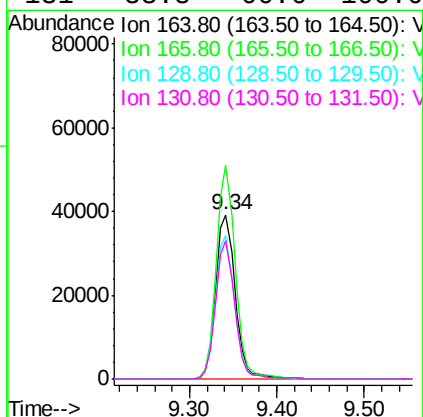
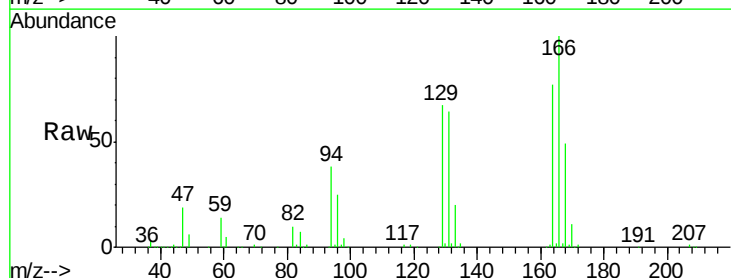
Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

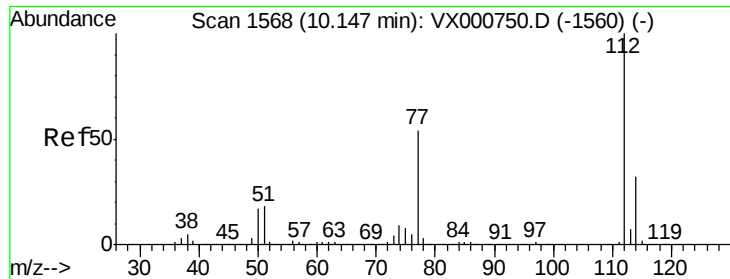
Tot Ion:117 Resp: 321048
Ion Ratio Lower Upper
117 100
82 52.1 41.9 62.9
119 32.4 26.0 39.0



#64
Tetrachloroethene
Concen: 19.35 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Tgt Ion:164 Resp: 60739
Ion Ratio Lower Upper
164 100
166 130.0 102.8 154.2
129 87.6 68.5 102.7
131 83.8 66.6 100.0

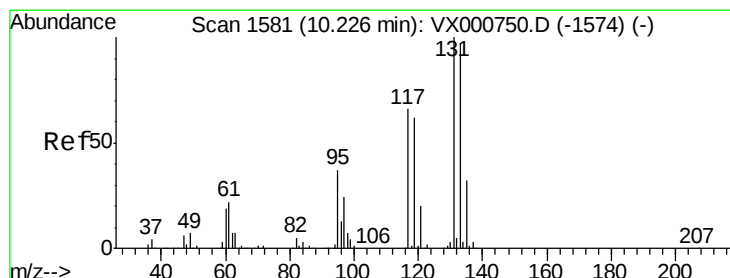
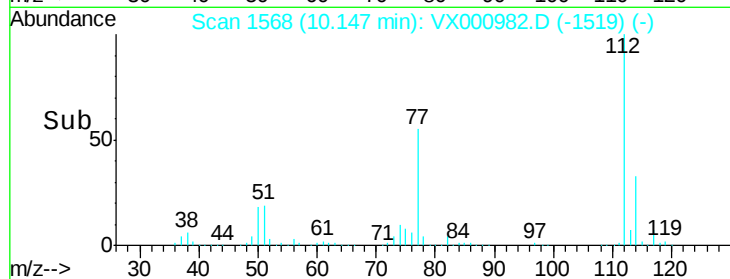
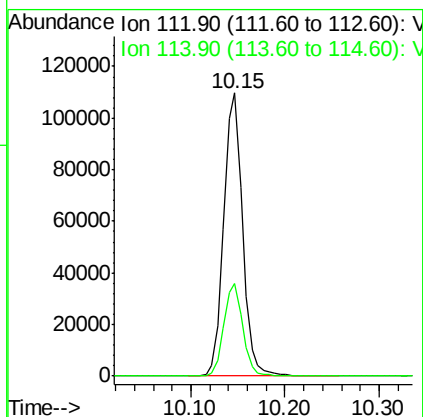
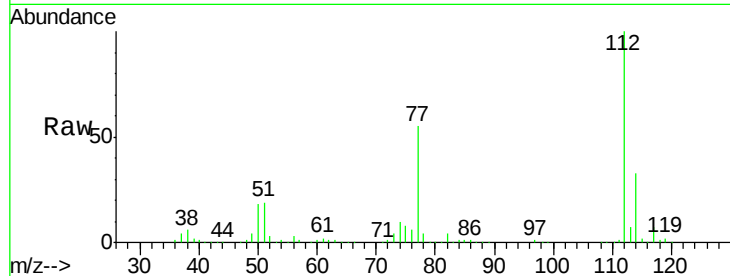




#65
Chlorobenzene
Concen: 18.89 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

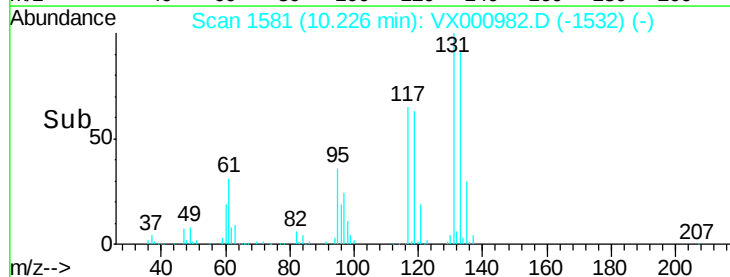
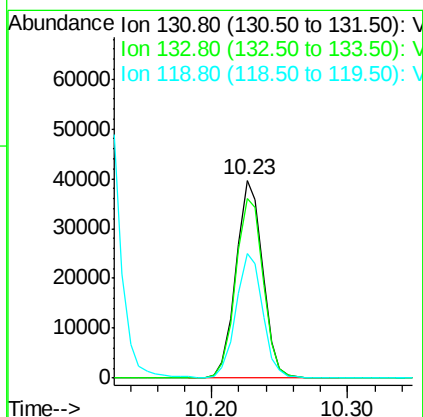
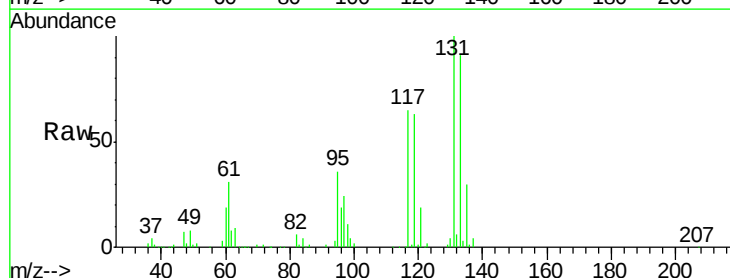
Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

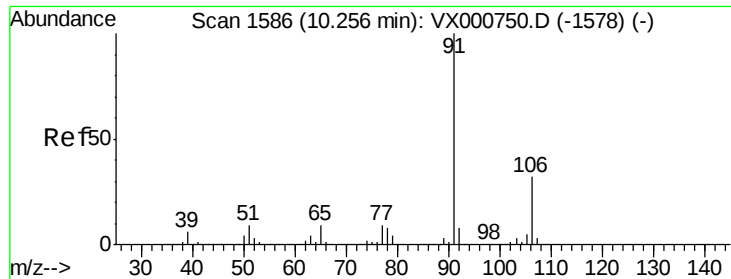
Tot Ion:112 Resp: 152581
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 17.86 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Tgt Ion:131 Resp: 54304
Ion Ratio Lower Upper
131 100
133 93.8 48.3 144.9
119 63.2 31.4 94.0

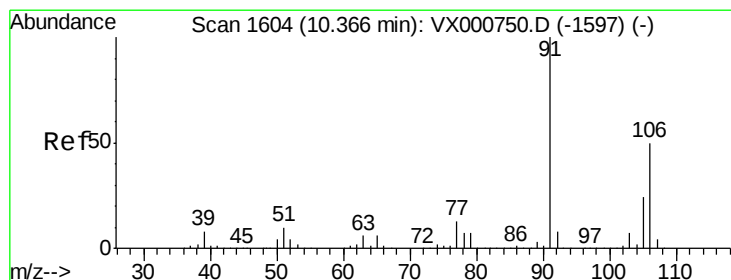
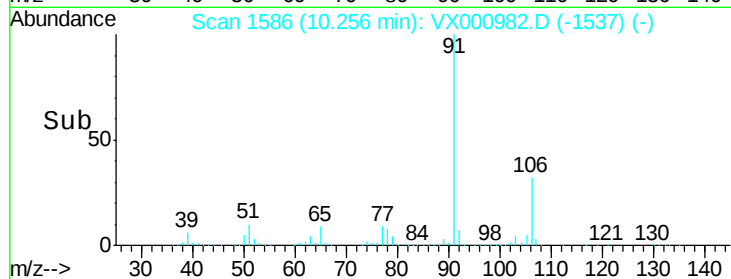
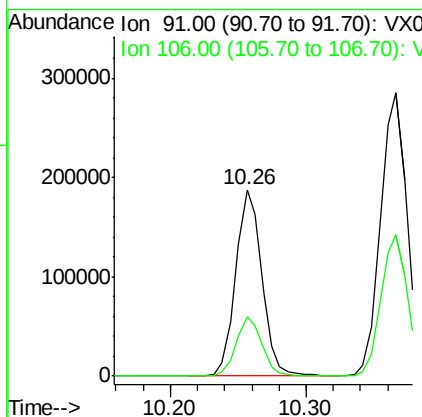
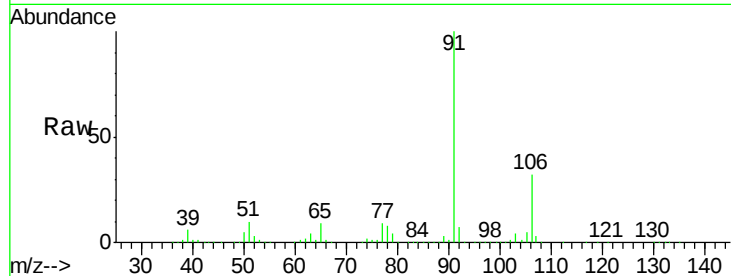




#67
Ethyl Benzene
Concen: 18.73 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

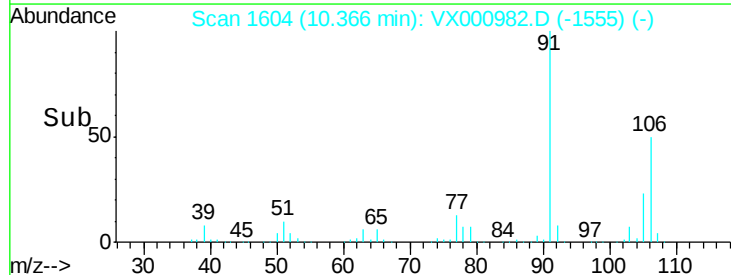
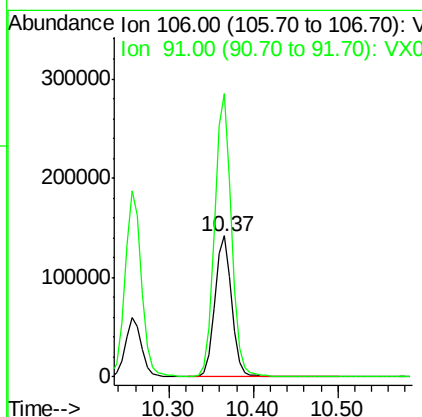
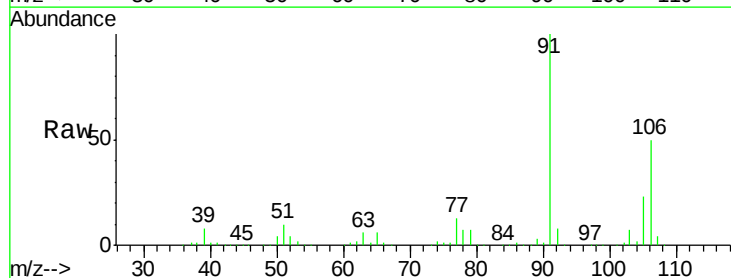
Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

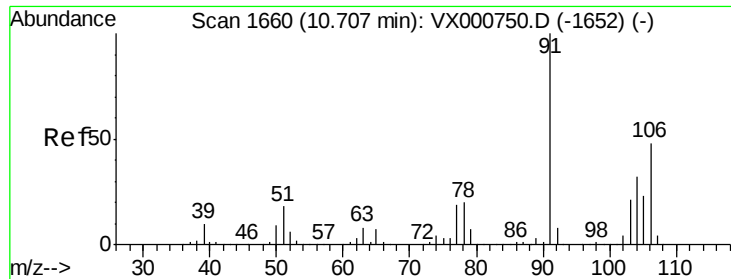
Tot Ion: 91 Resp: 252153
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.0



#68
m/p-Xylenes
Concen: 37.14 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Tgt Ion: 106 Resp: 197374
Ion Ratio Lower Upper
106 100
91 200.7 159.3 238.9

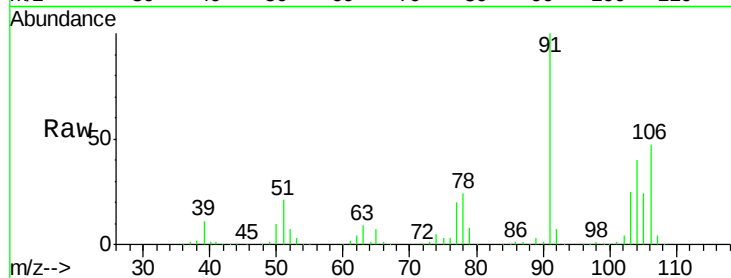




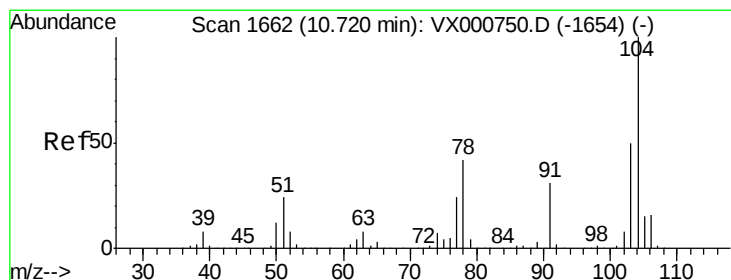
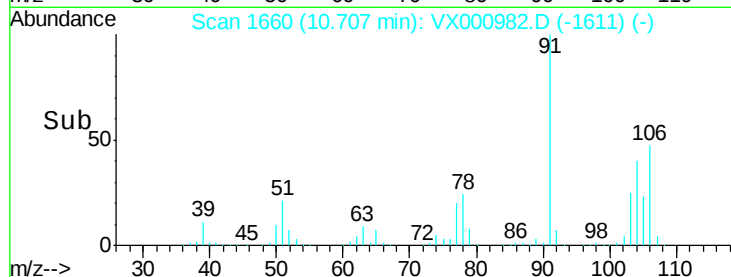
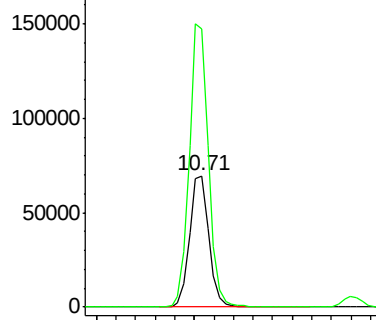
#69
o-Xylene
Concen: 18.63 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

Tot Ion:106 Resp: 95421
Ion Ratio Lower Upper
106 100
91 212.8 105.0 315.0

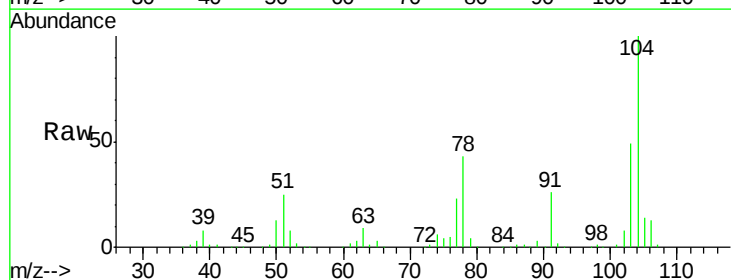


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

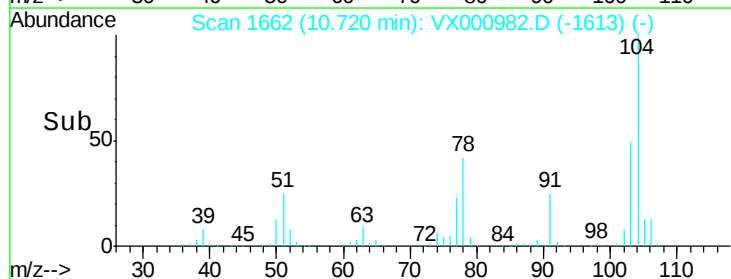
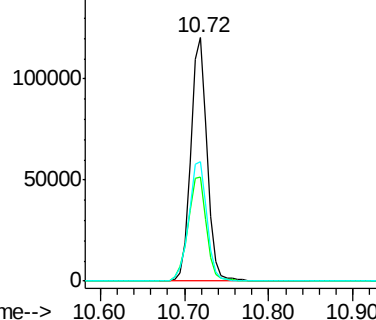


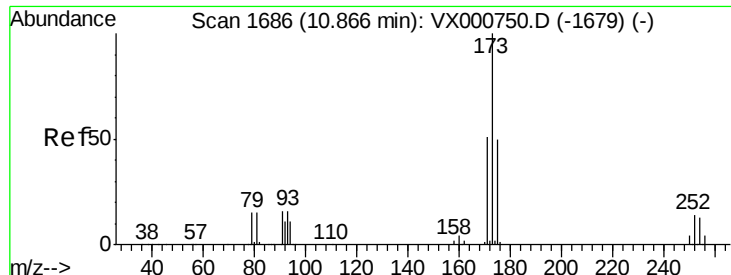
#70
Styrene
Concen: 18.72 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Tgt Ion:104 Resp: 161621
Ion Ratio Lower Upper
104 100
78 48.5 39.0 58.6
103 54.9 44.1 66.1



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

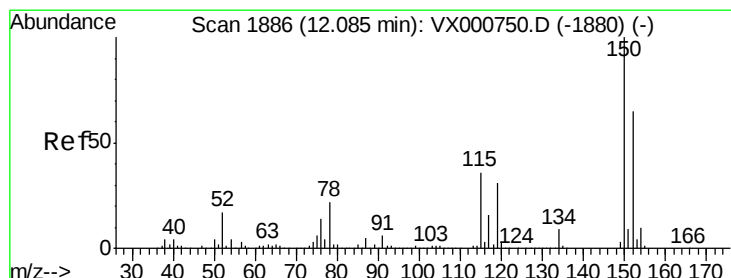
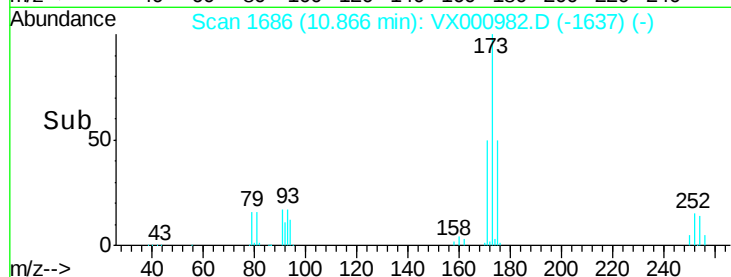
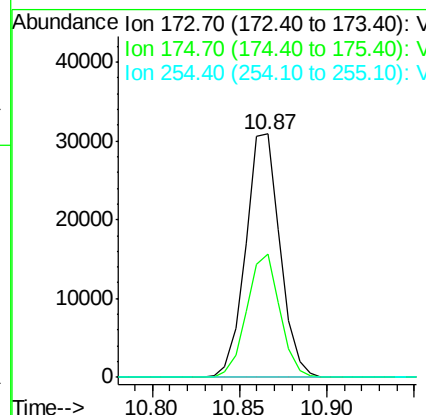
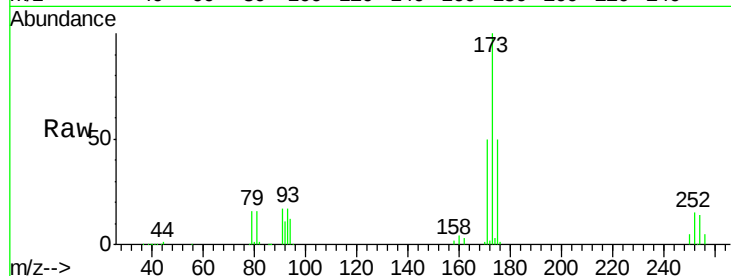




#71
Bromoform
Concen: 14.91 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

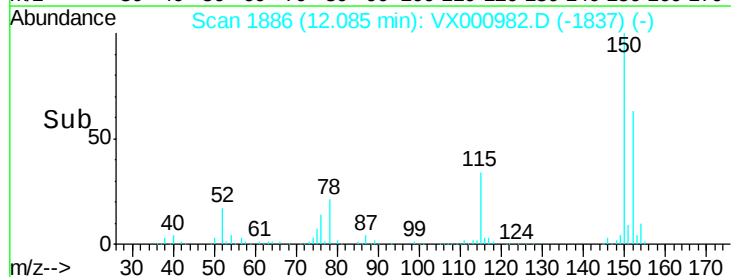
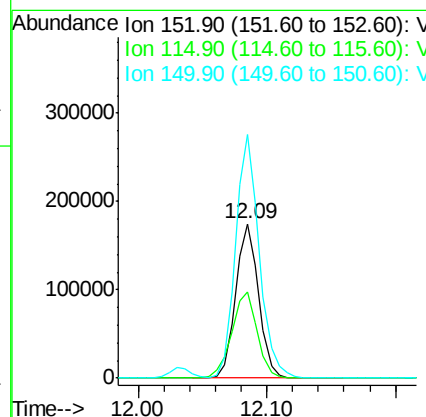
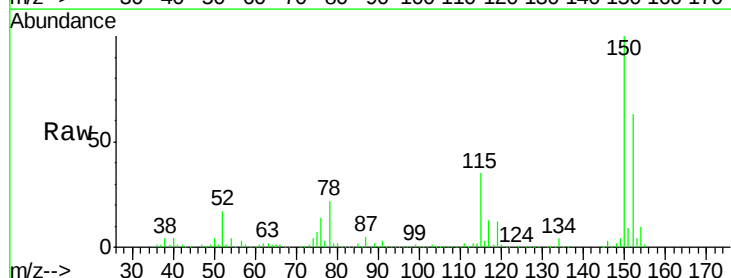
Instrument :
MSVOA_X
ClientSampleId :
VX0417WBSD01

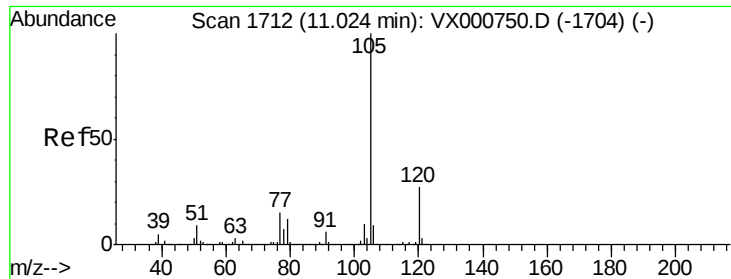
Tot Ion:173 Resp: 41959
Ion Ratio Lower Upper
173 100
175 49.1 24.5 73.5
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000982.D
Acq: 17 Apr 2018 22:47

Tgt Ion:152 Resp: 216579
Ion Ratio Lower Upper
152 100
115 62.3 37.9 113.7
150 163.4 0.0 348.0





#73

Isopropylbenzene

Concen: 19.02 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

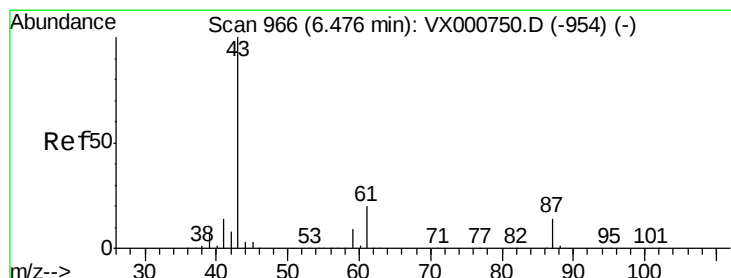
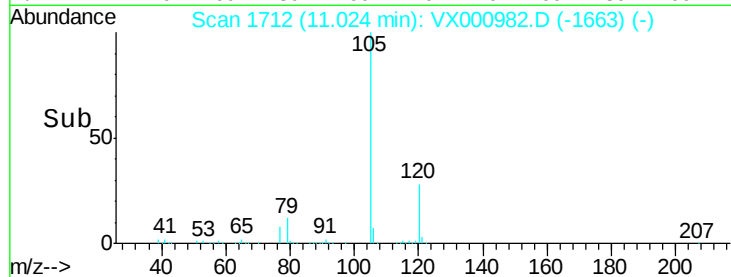
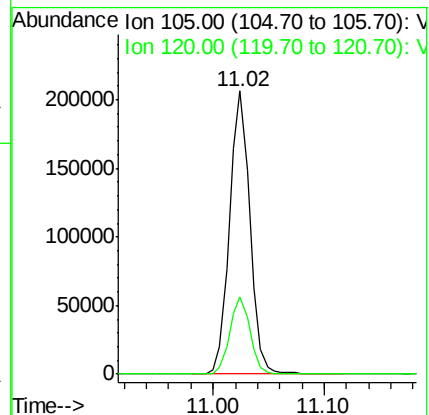
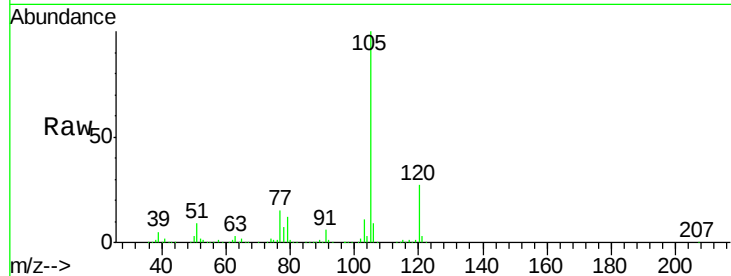
VX0417WBSD01

Tot Ion:105 Resp: 261295

Ion Ratio Lower Upper

105 100

120 27.2 13.7 41.0



#74

N-ethyl acetate

Concen: 18.40 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Tgt Ion: 43 Resp: 113838

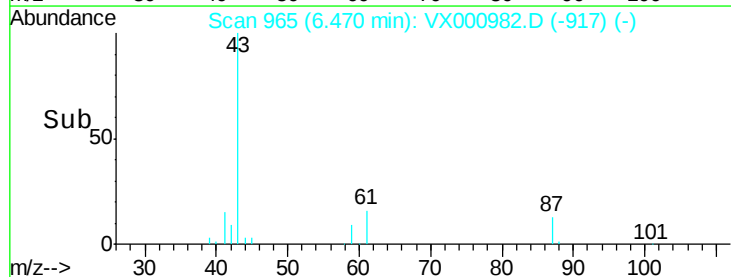
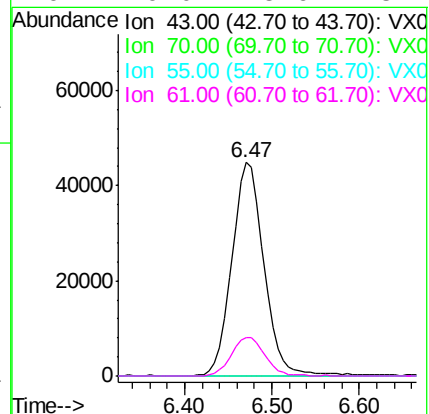
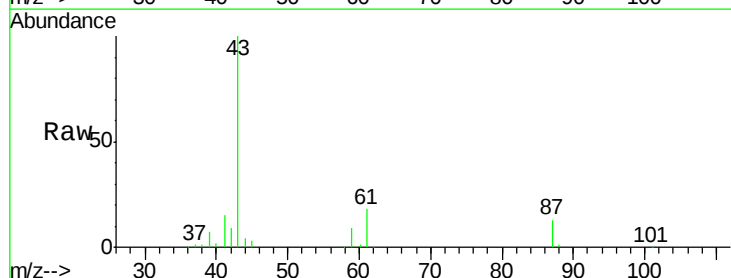
Ion Ratio Lower Upper

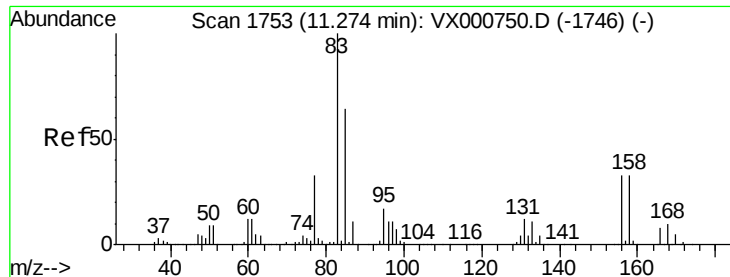
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.0 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.30 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

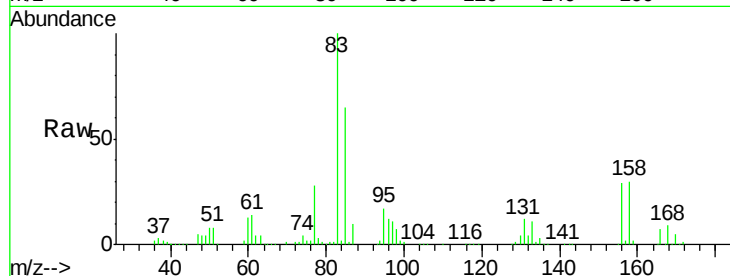
Tot Ion: 83 Resp: 76973

Ion Ratio Lower Upper

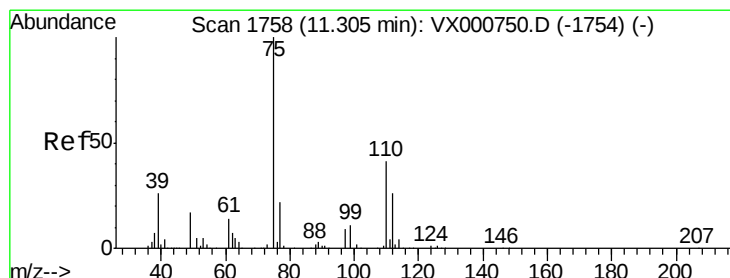
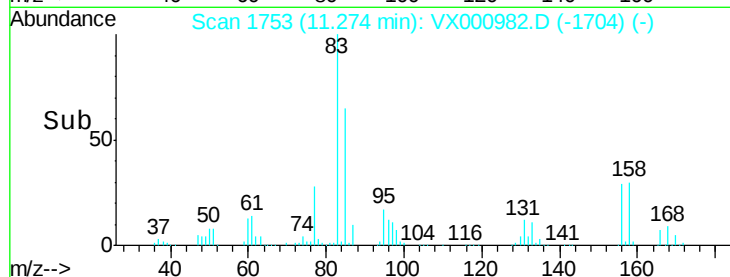
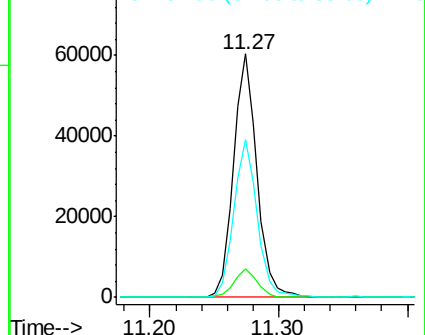
83 100

131 11.4 6.0 18.0

85 64.7 32.3 96.8



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: 19.13 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000982.D

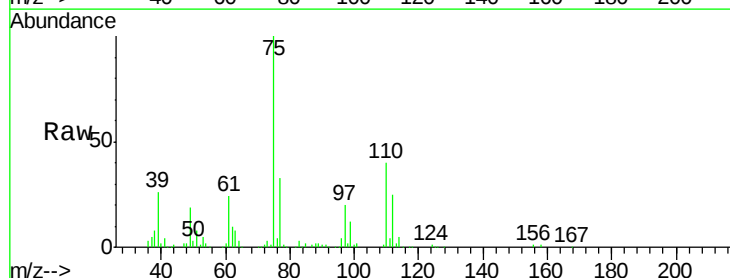
Acq: 17 Apr 2018 22:47

Tgt Ion: 75 Resp: 71464

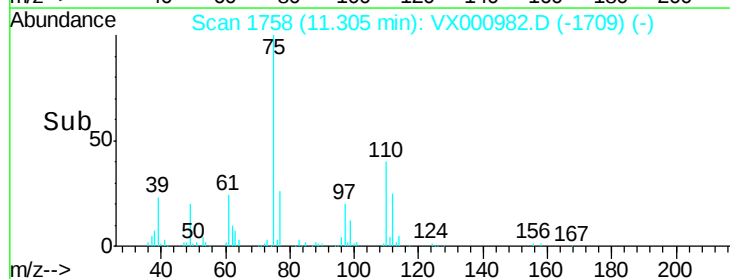
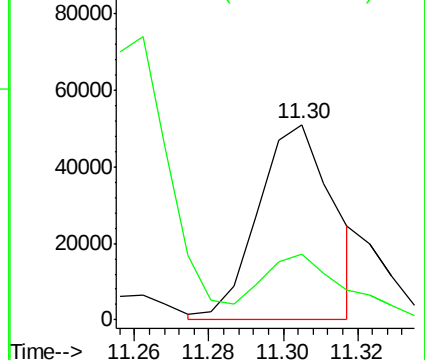
Ion Ratio Lower Upper

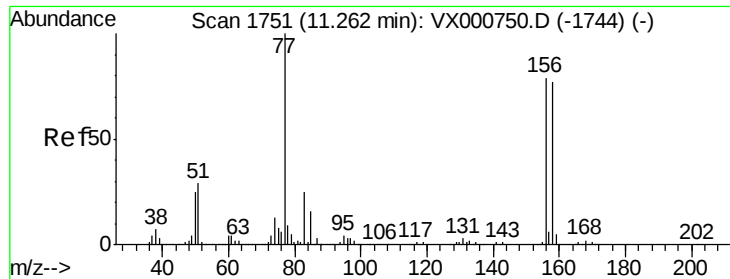
75 100

77 37.6 20.5 61.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.94 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

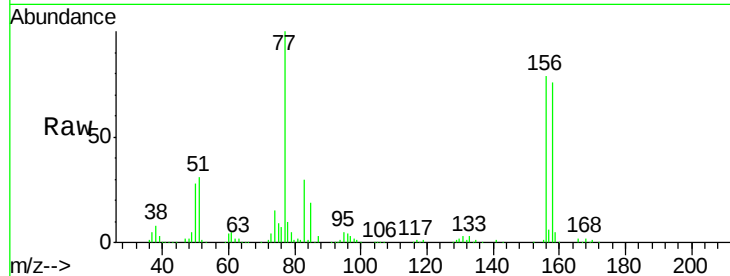
Tot Ion:156 Resp: 76245

Ion Ratio Lower Upper

156 100

77 131.3 66.0 198.2

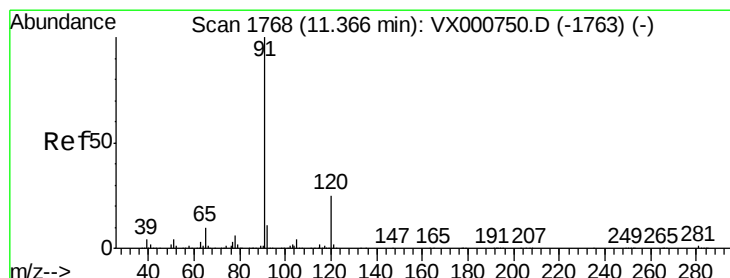
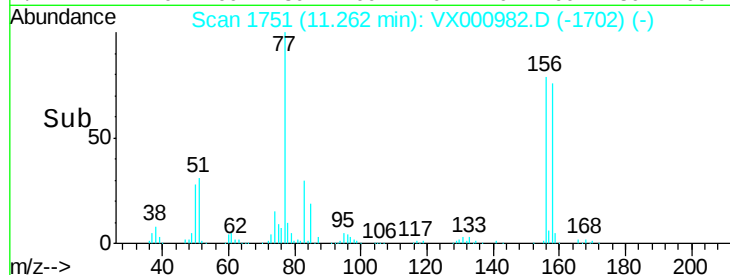
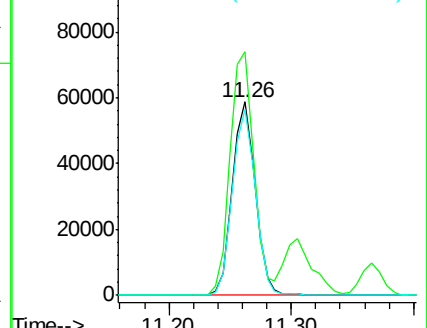
158 96.7 48.8 146.4



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: 18.80 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000982.D

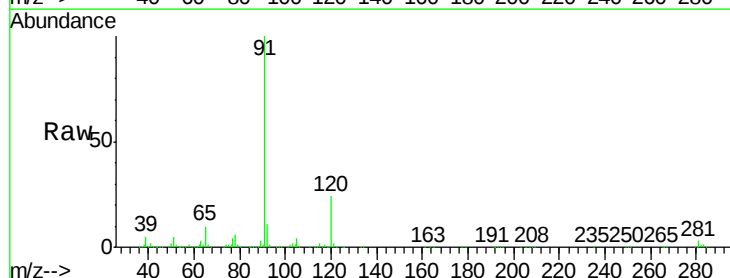
Acq: 17 Apr 2018 22:47

Tgt Ion: 91 Resp: 295518

Ion Ratio Lower Upper

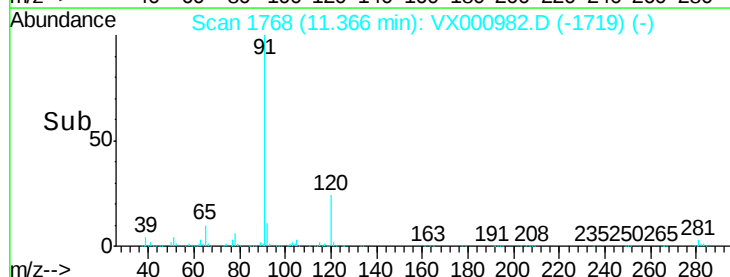
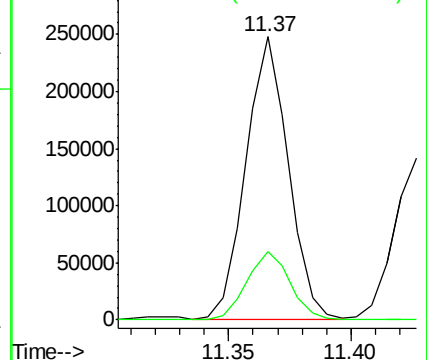
91 100

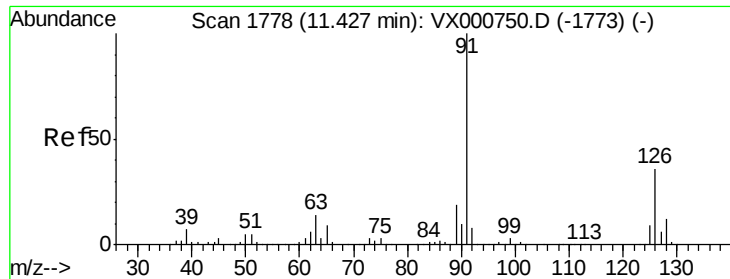
120 25.0 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

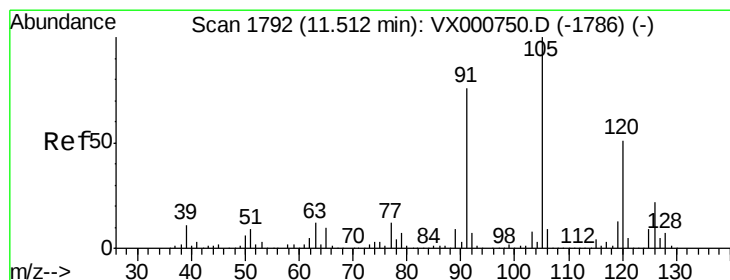
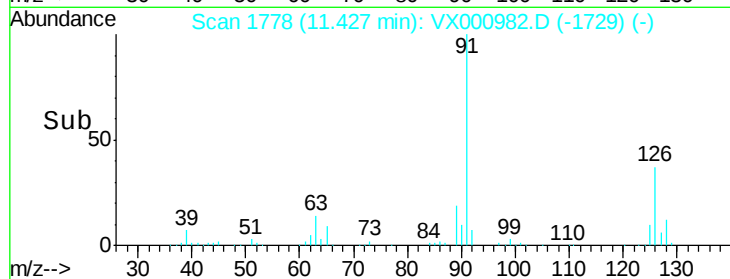
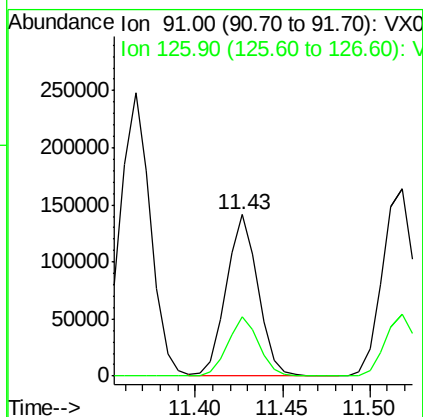
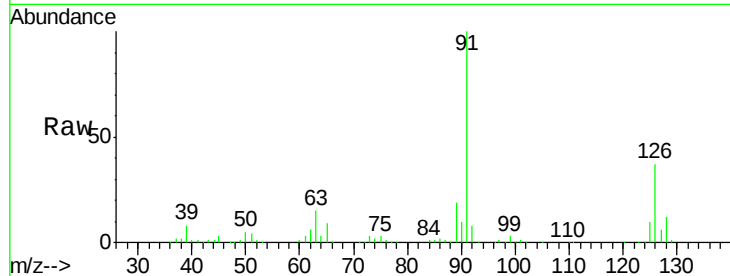




#79
 2-Chlorotoluene
 Concen: 19.07 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX000982.D
 Acq: 17 Apr 2018 22:47

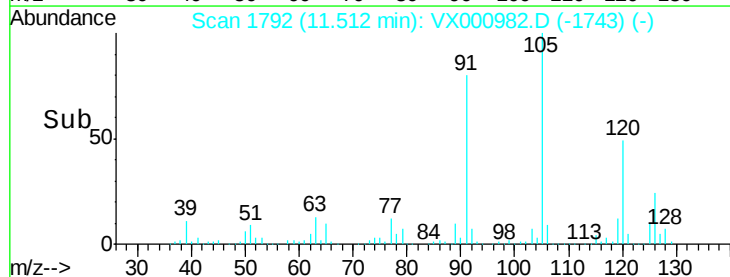
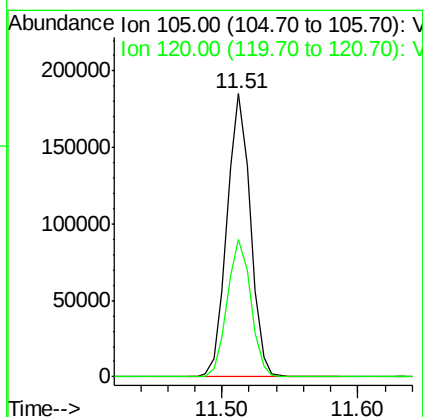
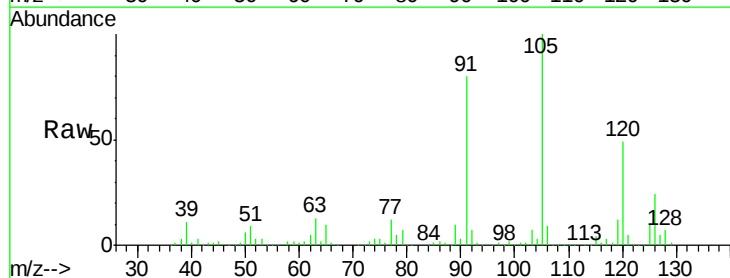
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0417WBSD01

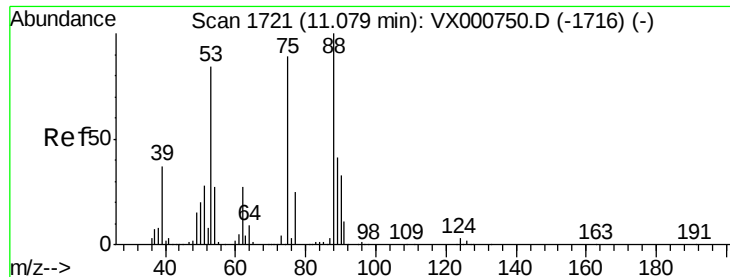
Tot Ion: 91 Resp: 177145
 Ion Ratio Lower Upper
 91 100
 126 36.3 18.3 54.9



#80
 1,3,5-Trimethylbenzene
 Concen: 18.71 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX000982.D
 Acq: 17 Apr 2018 22:47

Tgt Ion: 105 Resp: 221138
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 12.56 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

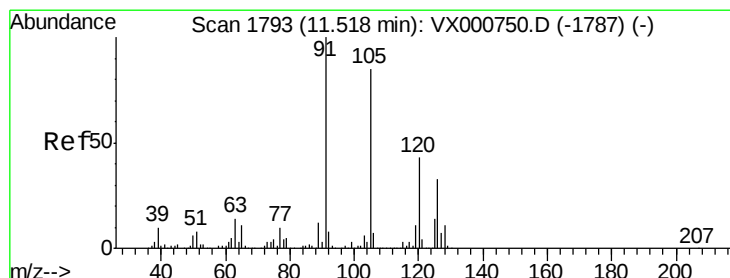
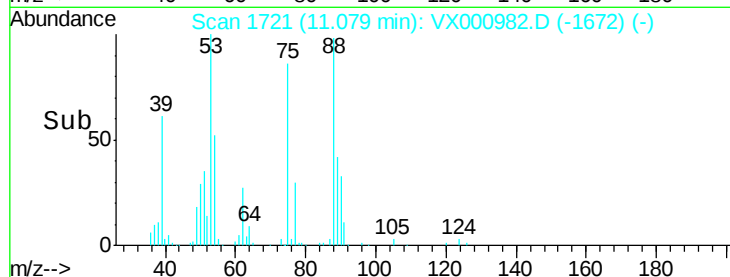
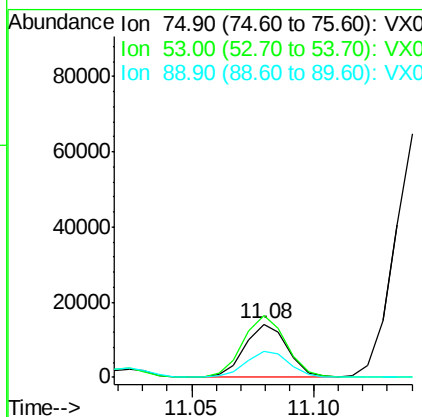
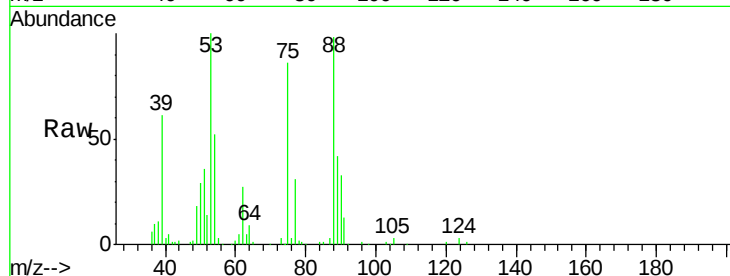
Tot Ion: 75 Resp: 17061

Ion Ratio Lower Upper

75 100

53 118.9 75.4 113.0#

89 50.3 40.9 61.3



#82

4-Chlorotoluene

Concen: 18.90 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX000982.D

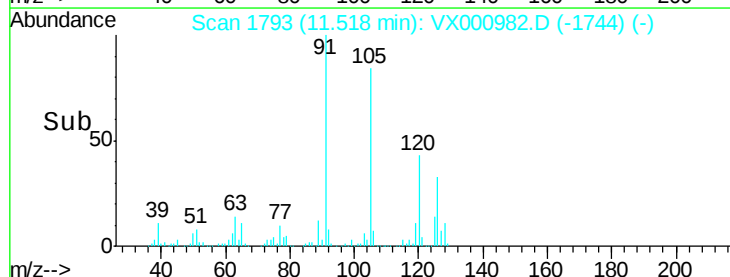
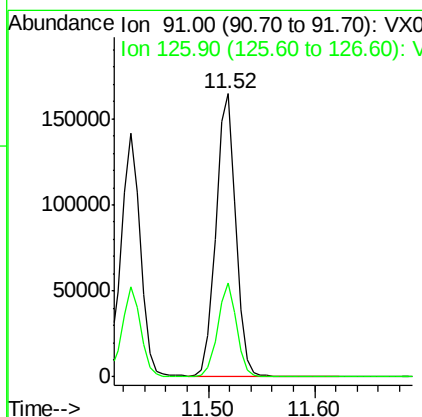
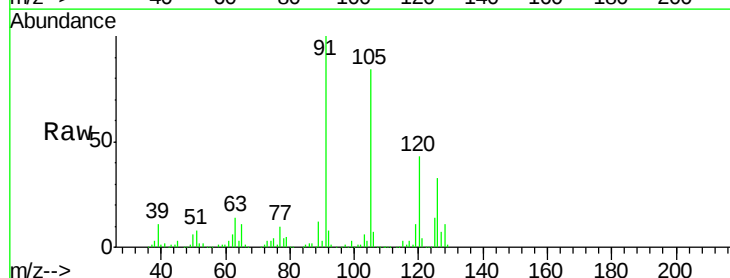
Acq: 17 Apr 2018 22:47

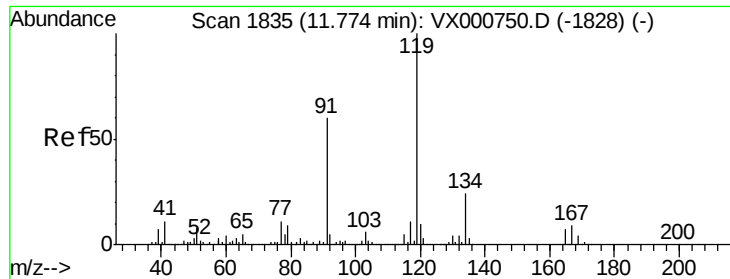
Tgt Ion: 91 Resp: 211877

Ion Ratio Lower Upper

91 100

126 31.7 16.2 48.6

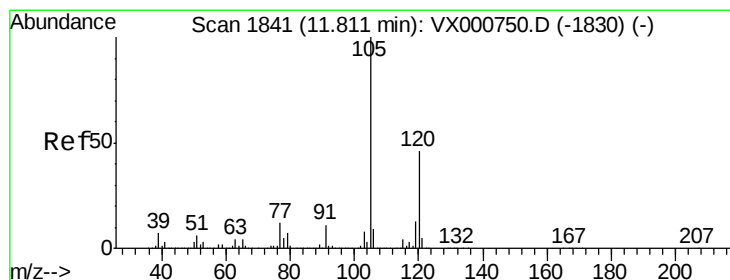
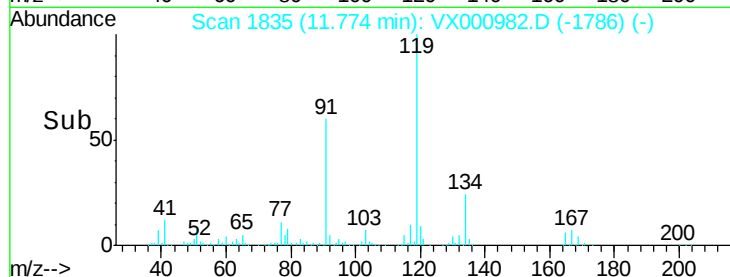
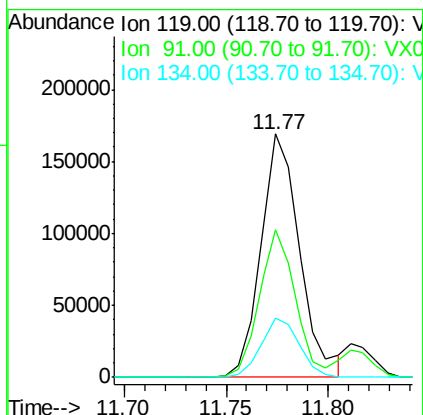
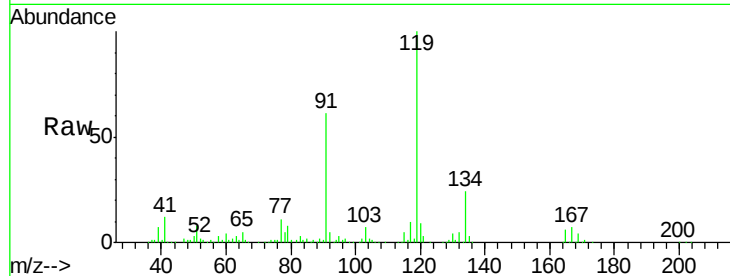




#83
 tert-Butylbenzene
 Concen: 18.55 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX000982.D
 Acq: 17 Apr 2018 22:47

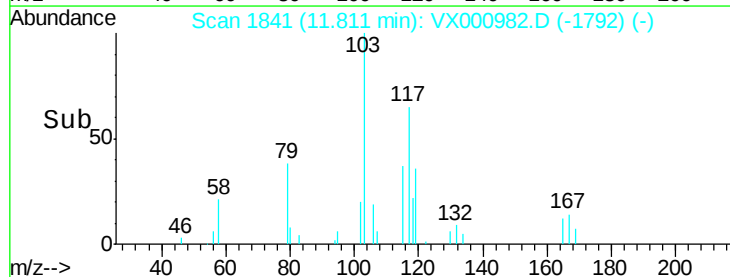
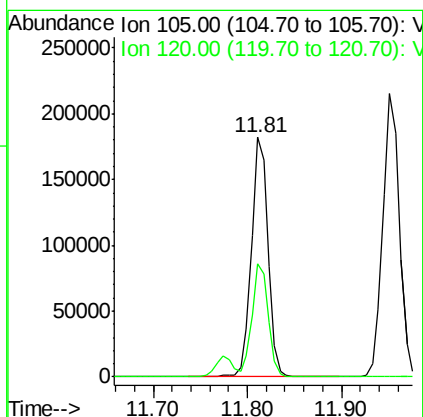
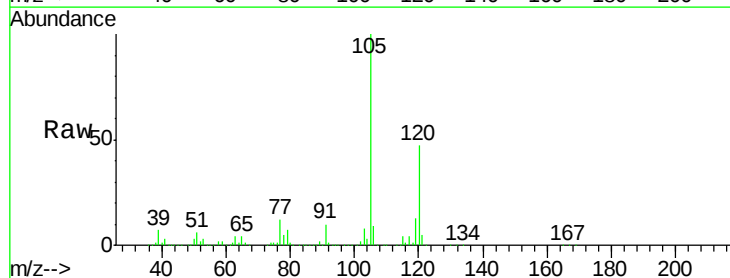
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0417WBSD01

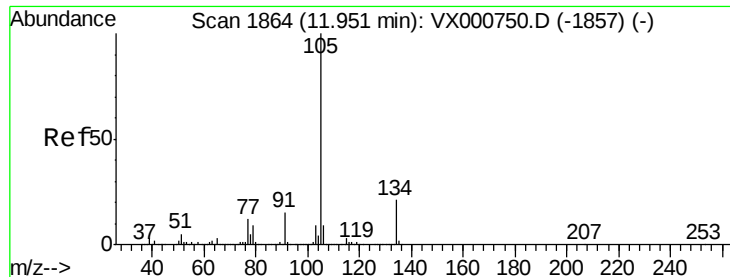
Tot Ion:119 Resp: 224286
 Ion Ratio Lower Upper
 119 100
 91 56.1 26.8 80.3
 134 23.9 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 18.50 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX000982.D
 Acq: 17 Apr 2018 22:47

Tgt Ion:105 Resp: 225621
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.1 69.3





#85

sec-Butylbenzene

Concen: 18.53 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

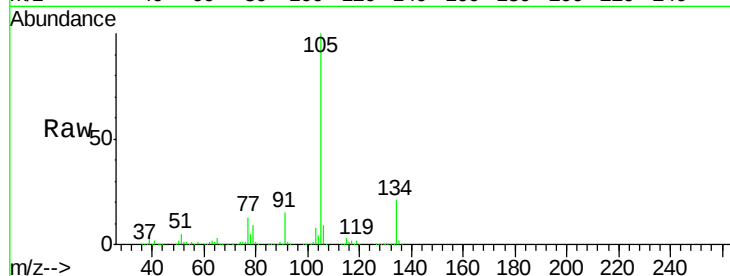
VX0417WBSD01

Tot Ion:105 Resp: 264211

Ion Ratio Lower Upper

105 100

134 21.2 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

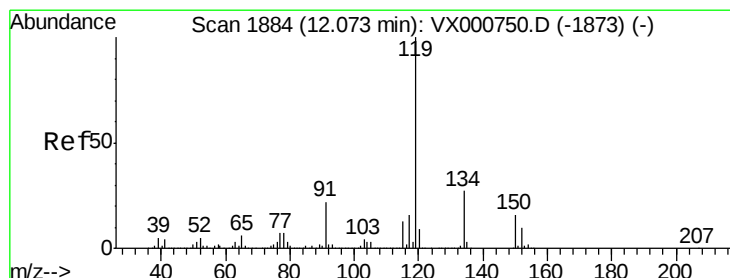
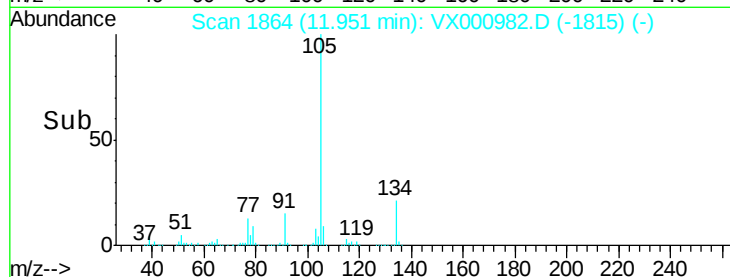
100000

50000

0

11.90 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 18.31 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

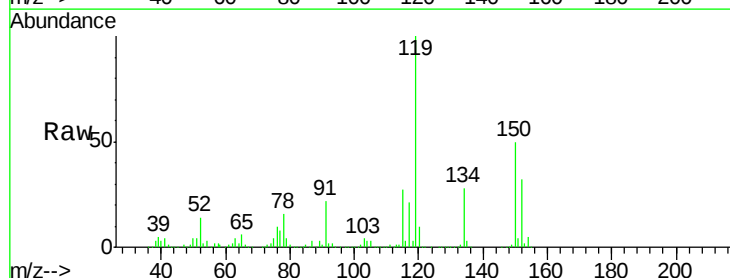
Tgt Ion:119 Resp: 243445

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 22.7 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

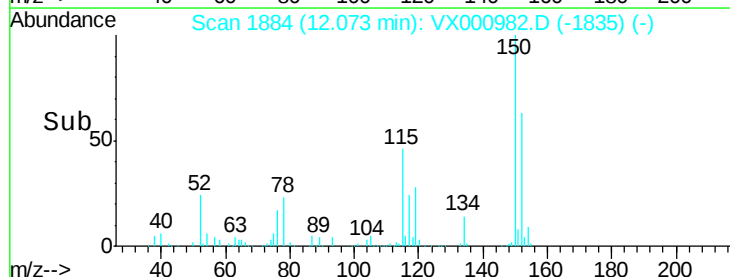
100000

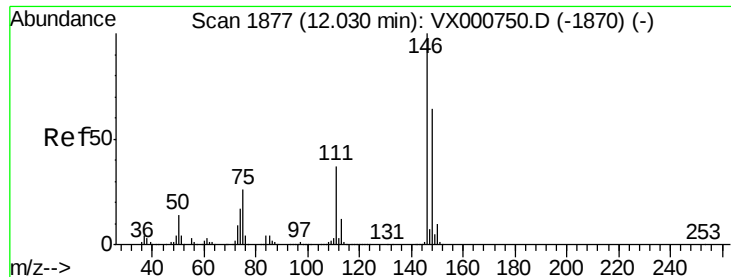
50000

0

12.00 12.10

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.82 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

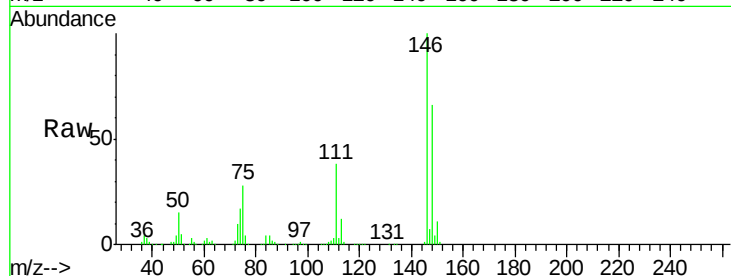
Tot Ion:146 Resp: 140274

Ion Ratio Lower Upper

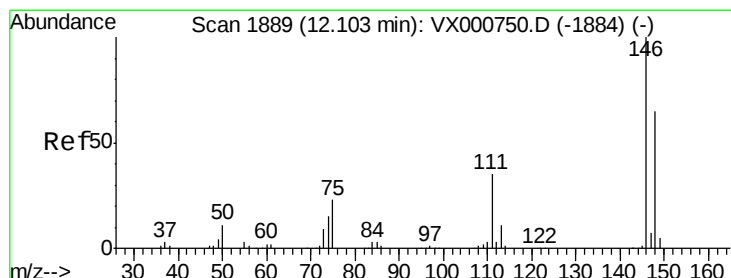
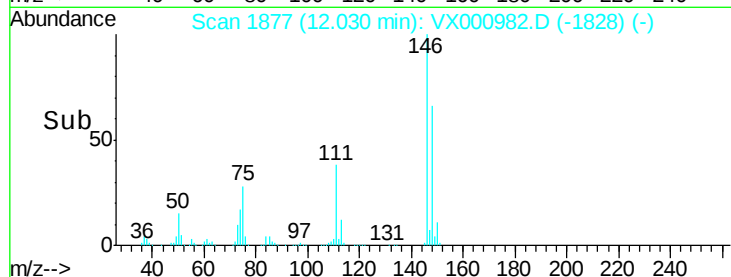
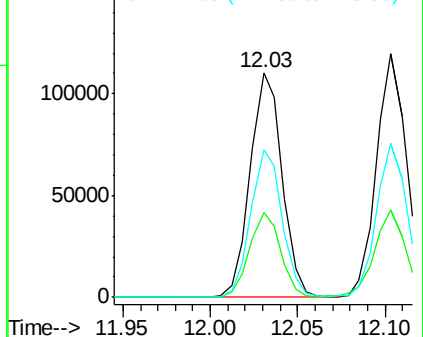
146 100

111 36.9 18.3 54.8

148 64.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.86 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

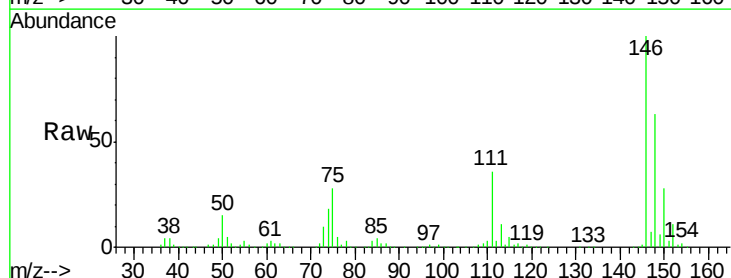
Tgt Ion:146 Resp: 144018

Ion Ratio Lower Upper

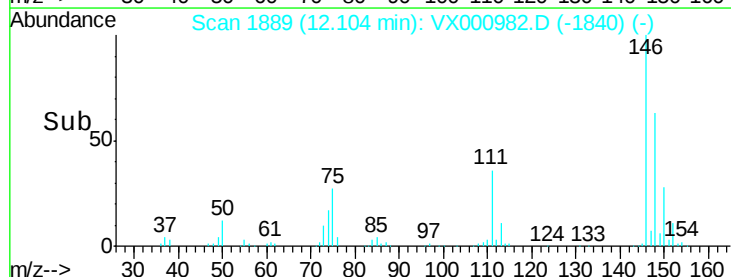
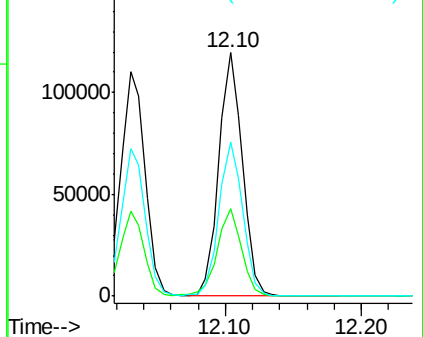
146 100

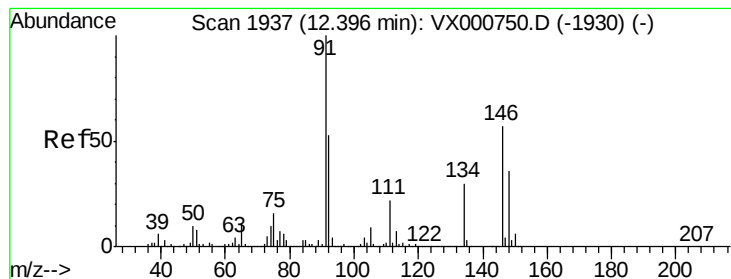
111 37.2 17.9 53.8

148 64.0 32.6 97.7



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





#89

n-Butylbenzene

Concen: 18.01 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

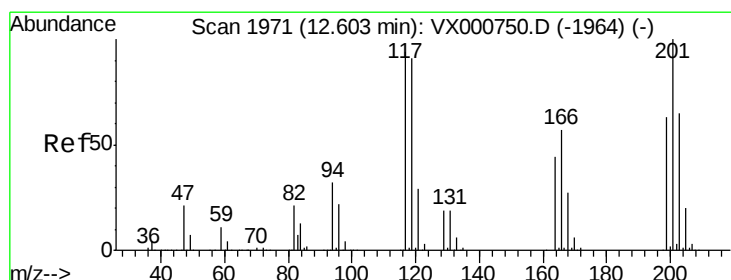
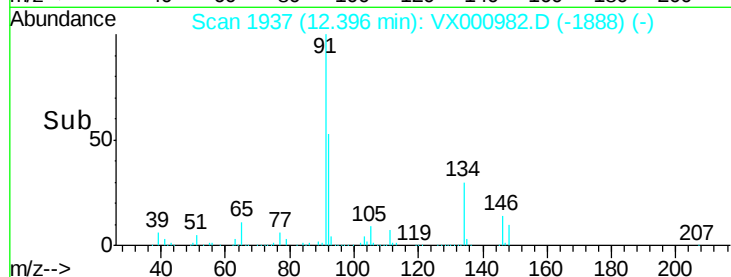
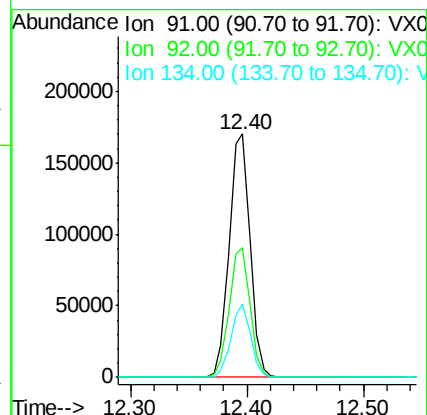
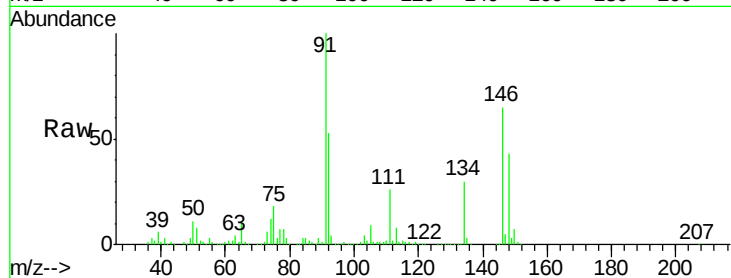
Tot Ion: 91 Resp: 211397

Ion Ratio Lower Upper

91 100

92 52.6 26.5 79.5

134 28.3 14.5 43.5



#90

Hexachloroethane

Concen: 14.76 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX000982.D

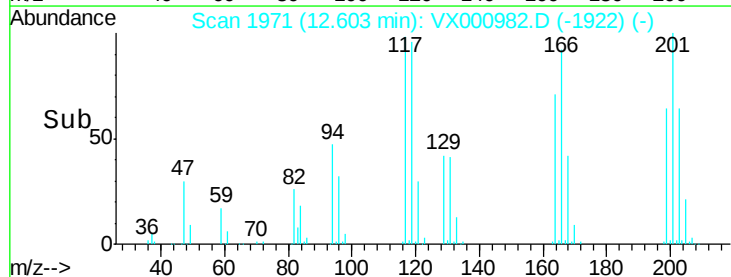
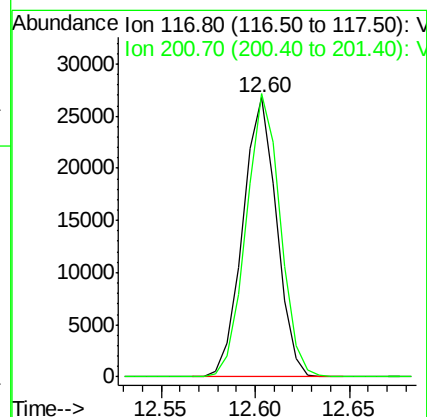
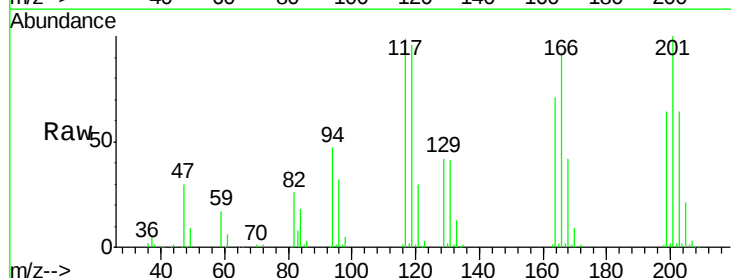
Acq: 17 Apr 2018 22:47

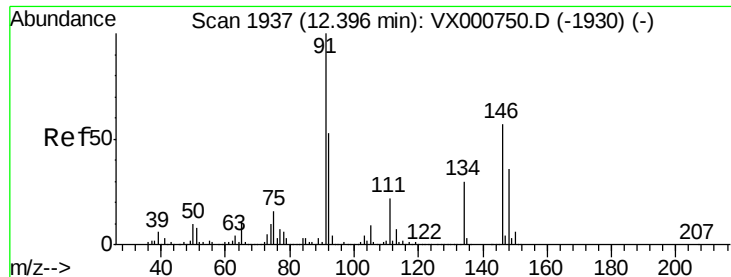
Tgt Ion: 117 Resp: 33213

Ion Ratio Lower Upper

117 100

201 102.2 52.9 158.7





#91

1,2-Dichlorobenzene

Concen: 19.10 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

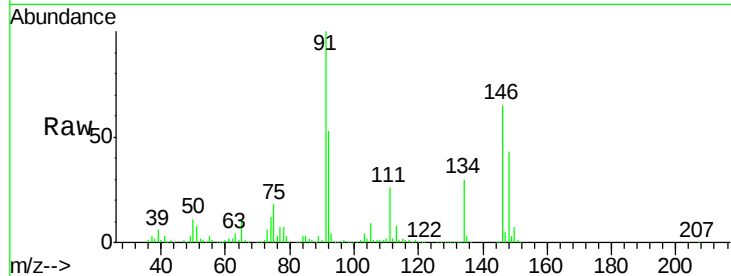
Tot Ion:146 Resp: 137444

Ion Ratio Lower Upper

146 100

111 38.3 18.9 56.7

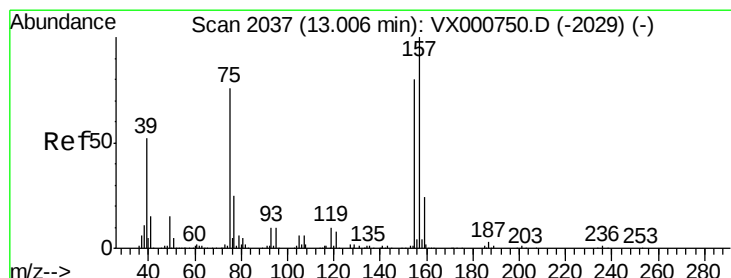
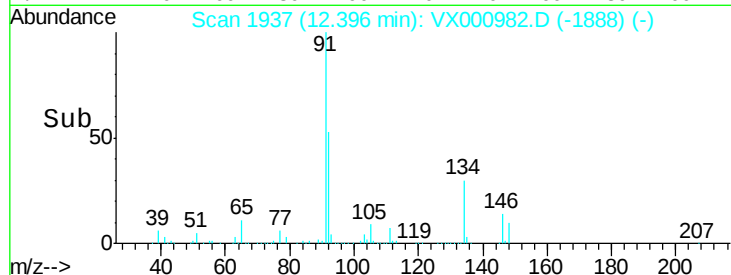
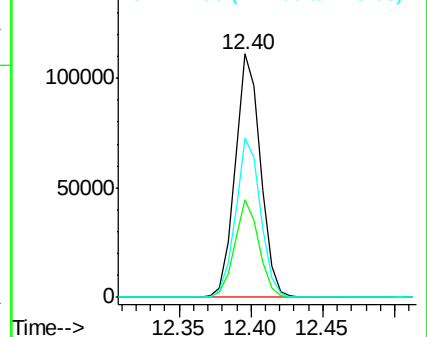
148 64.5 32.0 96.2



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: 15.95 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

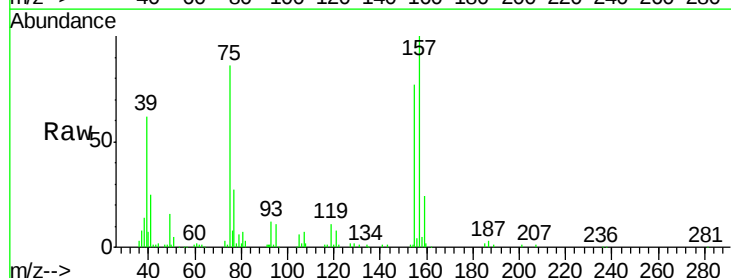
Tgt Ion: 75 Resp: 15938

Ion Ratio Lower Upper

75 100

155 94.5 51.9 155.8

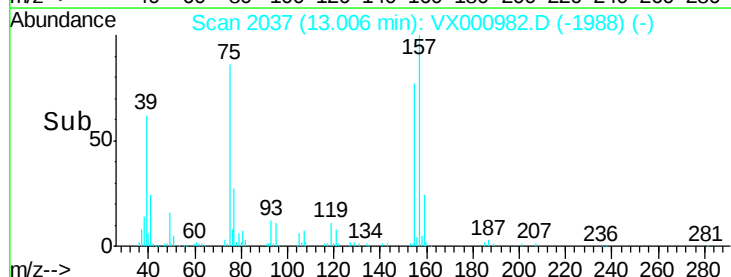
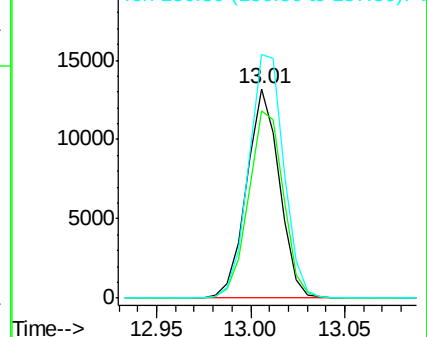
157 124.1 66.6 199.8

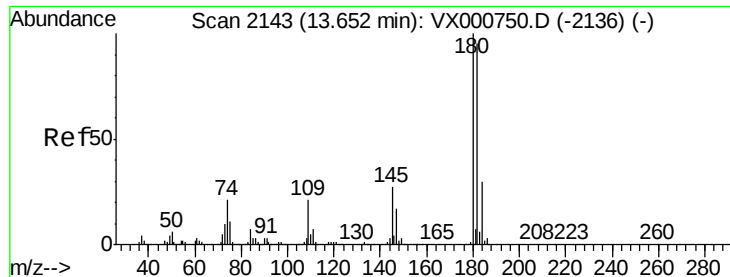


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

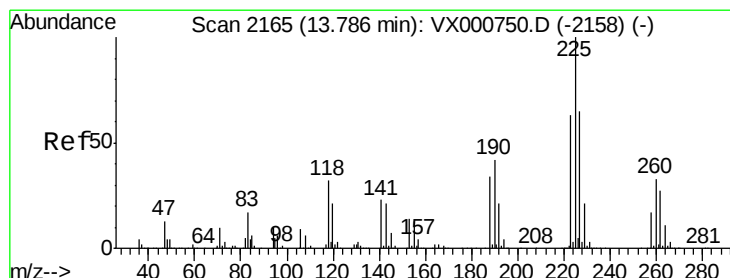
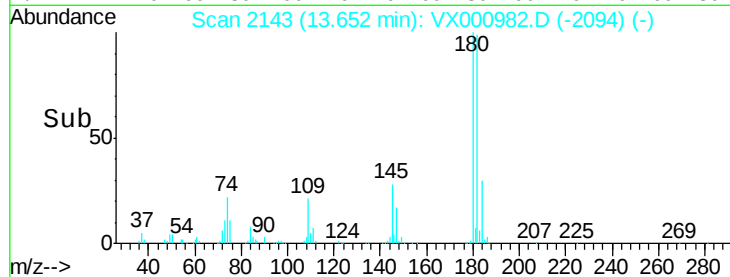
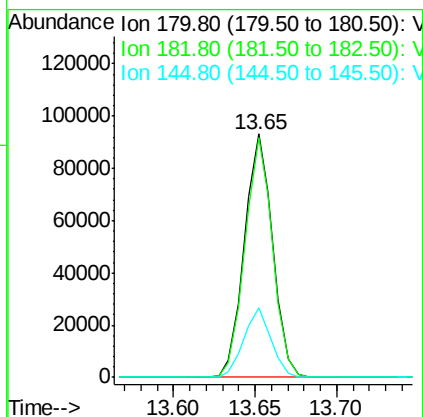
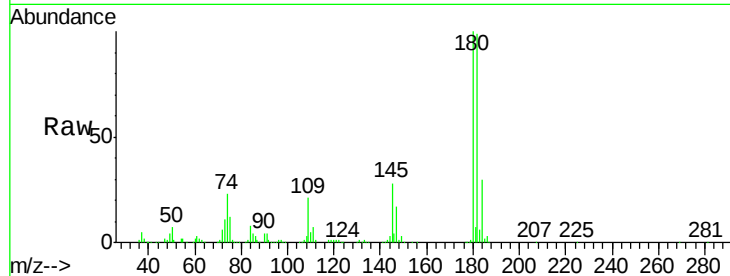




#93
 1,2,4-Trichlorobenzene
 Concen: 18.27 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000982.D
 Acq: 17 Apr 2018 22:47

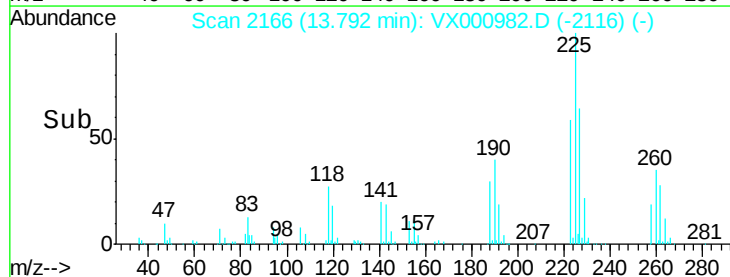
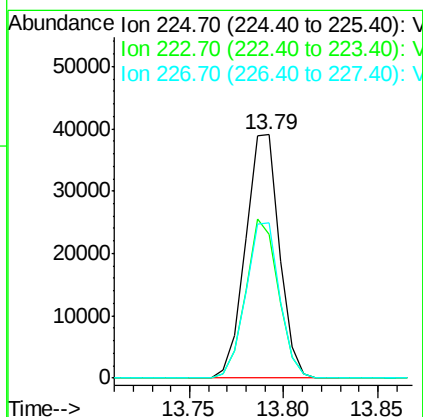
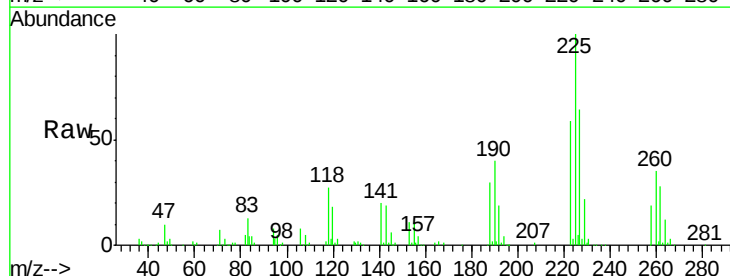
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBSD01

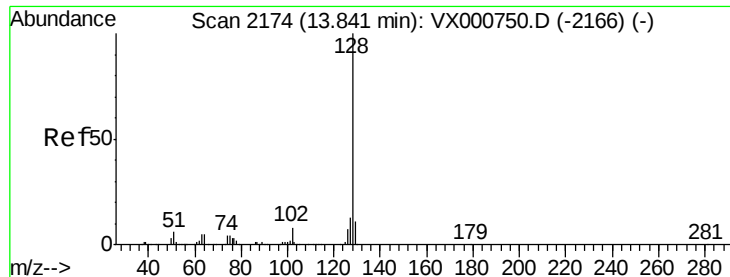
Tot Ion:180 Resp: 112160
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.5 142.5
 145 27.6 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 16.16 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VX000982.D
 Acq: 17 Apr 2018 22:47

Tgt Ion:225 Resp: 48786
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.2 93.6
 227 63.7 32.3 96.9





#95

Naphthalene

Concen: 18.54 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBSD01

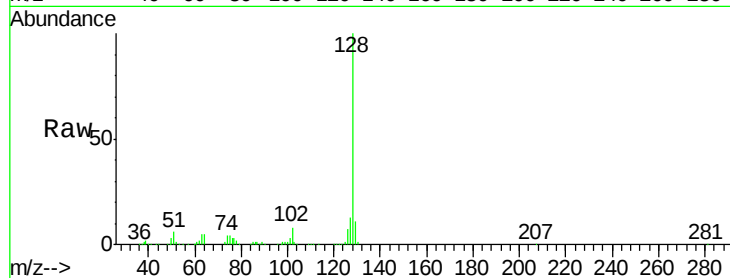
Tot Ion:128 Resp: 292144

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

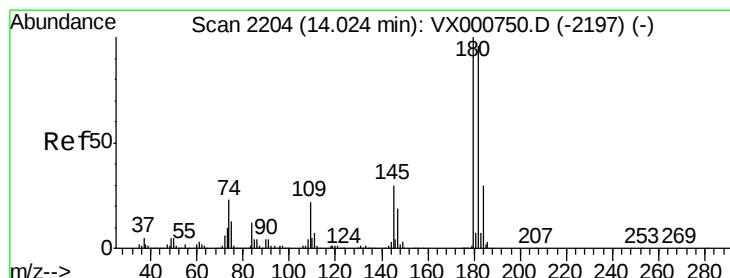
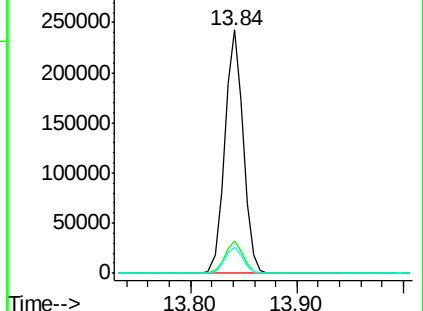
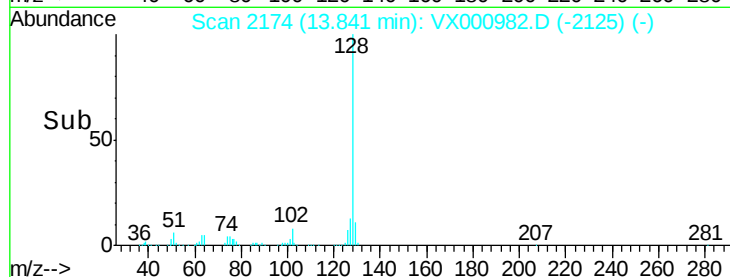
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.63 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX000982.D

Acq: 17 Apr 2018 22:47

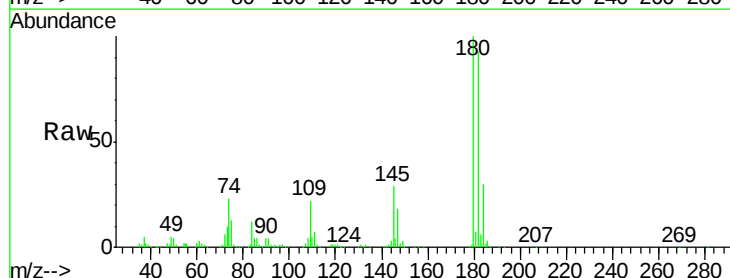
Tgt Ion:180 Resp: 111109

Ion Ratio Lower Upper

180 100

182 94.5 48.4 145.2

145 28.6 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

