

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041418\
 Data File : VX000869.D
 Acq On : 14 Apr 2018 12:34
 Operator : JC/MD
 Sample : VX0414WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBS01

Quant Time: Apr 16 05:49:04 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	257514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	337419	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	322039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	220964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	153938	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	5.51	113	127636	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	8.72	98	477363	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	11.15	95	194326	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60264	20.73	ug/l	100
3) Chloromethane	1.32	50	48836	19.59	ug/l	100
4) Vinyl Chloride	1.40	62	57792	20.61	ug/l	98
5) Bromomethane	1.64	94	30216	25.36	ug/l	98
6) Chloroethane	1.73	64	33724	19.85	ug/l	100
7) Trichlorofluoromethane	1.93	101	86441	20.44	ug/l	99
8) Diethyl Ether	2.19	74	32951	20.85	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53488	21.45	ug/l	99
10) Methyl Iodide	2.51	142	22711	18.01	ug/l	99
11) Tert butyl alcohol	3.09	59	62264	108.01	ug/l	99
12) 1,1-Dichloroethene	2.37	96	47446	20.07	ug/l	96
13) Acrolein	2.30	56	13279	47.43	ug/l	98
14) Allyl chloride	2.73	41	88441	20.24	ug/l	97
15) Acrylonitrile	3.16	53	140711	114.49	ug/l	100
16) Acetone	2.45	43	128968	115.18	ug/l	99
17) Carbon Disulfide	2.57	76	122421	17.11	ug/l	99
18) Methyl Acetate	2.78	43	69713	24.06	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	163938	20.82	ug/l	99
20) Methylene Chloride	2.86	84	53556	20.56	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	52266	20.05	ug/l	99
22) Diisopropyl ether	3.89	45	172902	21.53	ug/l	98
23) Vinyl Acetate	3.83	43	756887	107.34	ug/l	98
24) 1,1-Dichloroethane	3.70	63	97309	21.59	ug/l	99
25) 2-Butanone	4.72	43	211497	114.38	ug/l	98
26) 2,2-Dichloropropane	4.59	77	85745	19.17	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	61981	20.96	ug/l	99
28) Bromochloromethane	5.03	49	35866	19.76	ug/l	98
29) Tetrahydrofuran	5.18	42	131435	111.95	ug/l	100
30) Chloroform	5.23	83	101457	21.26	ug/l	99
31) Cyclohexane	5.58	56	85892	20.07	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	91751	20.18	ug/l	100
36) 1,1-Dichloropropene	5.81	75	76652	20.63	ug/l	99
37) Ethyl Acetate	4.87	43	80594	22.22	ug/l	100
38) Carbon Tetrachloride	5.79	117	80614	19.38	ug/l	98

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Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBS01

Quant Time: Apr 16 05:49:04 2018
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	93858	21.03	ug/l	99
40) Benzene	6.15	78	220879	21.39	ug/l	98
41) Methacrylonitrile	5.07	41	47007	22.43	ug/l	99
42) 1,2-Dichloroethane	6.21	62	82325	21.35	ug/l	99
43) Isopropyl Acetate	6.48	43	130739	21.02	ug/l	99
44) Trichloroethene	7.22	130	68288	21.27	ug/l	97
45) 1,2-Dichloropropane	7.52	63	56383	21.44	ug/l	99
46) Dibromomethane	7.67	93	38788	21.16	ug/l	97
47) Bromodichloromethane	7.91	83	73692	19.92	ug/l	98
48) Methyl methacrylate	7.79	41	68804	21.34	ug/l	99
49) 1,4-Dioxane	7.77	88	28565	440.90	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	418127	114.45	ug/l	99
52) Toluene	8.79	92	145032	21.17	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	88297	19.90	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	83906	19.42	ug/l	97
55) 1,1,2-Trichloroethane	9.23	97	58225	21.41	ug/l	98
56) Ethyl methacrylate	9.19	69	88391	21.07	ug/l	99
57) 1,3-Dichloropropane	9.38	76	95306	22.04	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	217606	111.02	ug/l	99
59) 2-Hexanone	9.51	43	323612	114.74	ug/l	100
60) Dibromochloromethane	9.59	129	62530	19.22	ug/l	100
61) 1,2-Dibromoethane	9.68	107	61581	21.35	ug/l	100
64) Tetrachloroethene	9.34	164	69418	22.05	ug/l	99
65) Chlorobenzene	10.15	112	171286	21.14	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	60575	19.87	ug/l	98
67) Ethyl Benzene	10.26	91	285765	21.16	ug/l	100
68) m/p-Xylenes	10.37	106	224091	42.03	ug/l	100
69) o-Xylene	10.71	106	108096	21.04	ug/l	100
70) Styrene	10.72	104	181244	20.92	ug/l	100
71) Bromoform	10.87	173	50528	17.90	ug/l	100
73) Isopropylbenzene	11.02	105	296267	21.13	ug/l	100
74) N-amyl acetate	6.48	43	130739	20.71	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	85760	21.08	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	100550	26.39	ug/l	85
77) Bromobenzene	11.26	156	84910	20.67	ug/l	100
78) n-propylbenzene	11.37	91	339155	21.15	ug/l	99
79) 2-Chlorotoluene	11.43	91	199478	21.05	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	252277	20.93	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	23755	17.15	ug/l	92
82) 4-Chlorotoluene	11.52	91	239173	20.91	ug/l	100
83) tert-Butylbenzene	11.77	119	256915	20.83	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	258647	20.78	ug/l	100
85) sec-Butylbenzene	11.95	105	311118	21.38	ug/l	100
86) p-Isopropyltoluene	12.07	119	288800	21.29	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	160491	21.11	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	160978	20.66	ug/l	99
89) n-Butylbenzene	12.40	91	258906	21.62	ug/l	100
90) Hexachloroethane	12.60	117	40178	17.50	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	154559	21.06	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19383	19.02	ug/l	98

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ClientSampleId :
VX0414WBS01

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Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
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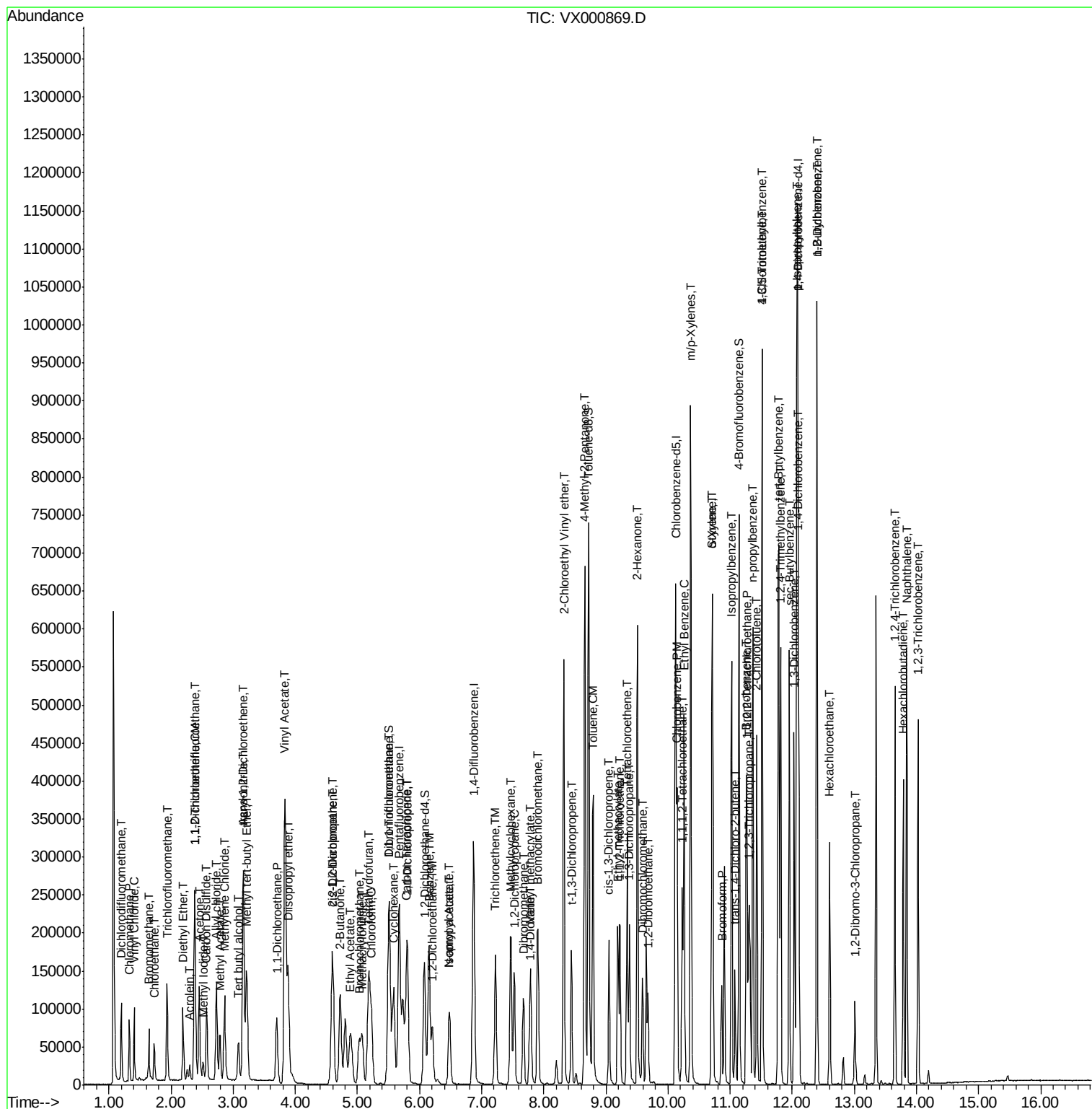
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	132864	21.21	ug/l	100
94) Hexachlorobutadiene	13.79	225	67852	22.03	ug/l	100
95) Naphthalene	13.84	128	343595	21.37	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	128331	21.09	ug/l	100

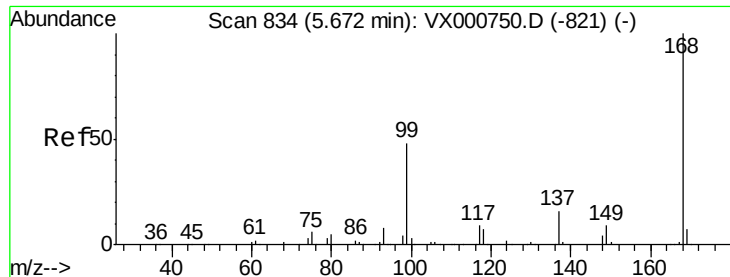
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
VX0414WBS01

Quant Time: Apr 16 05:49:04 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: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

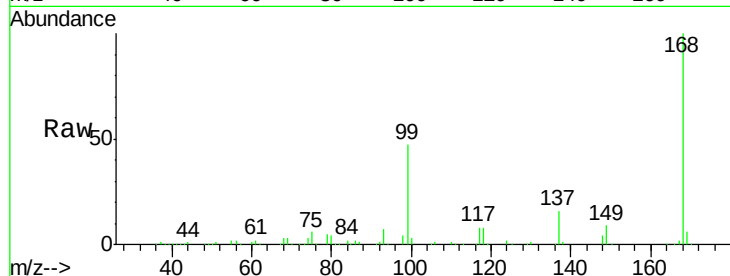
VX0414WBS01

Tgt Ion:168 Resp: 257514

Ion Ratio Lower Upper

168 100

99 47.2 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

100000

80000

60000

40000

20000

0

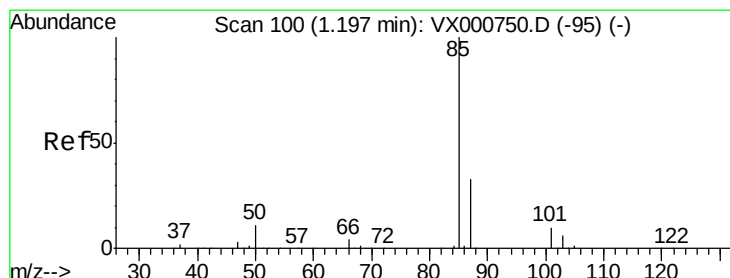
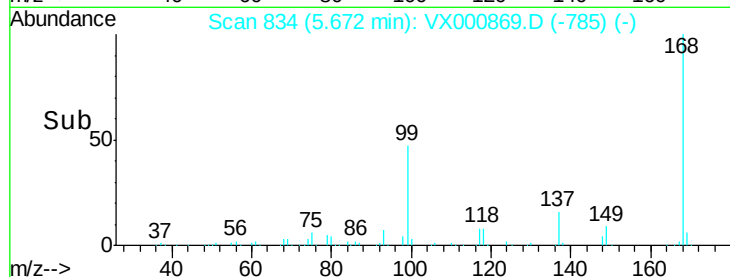
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 20.73 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000869.D

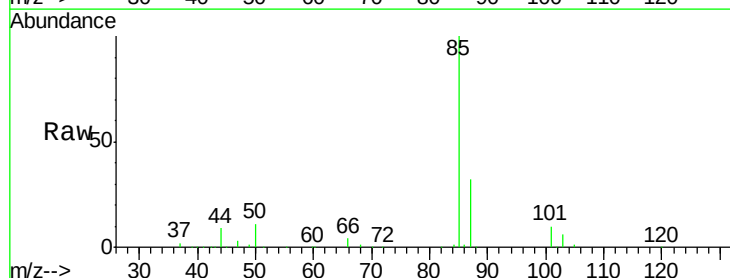
Acq: 14 Apr 2018 12:34

Tgt Ion: 85 Resp: 60264

Ion Ratio Lower Upper

85 100

87 32.3 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

60000

40000

20000

0

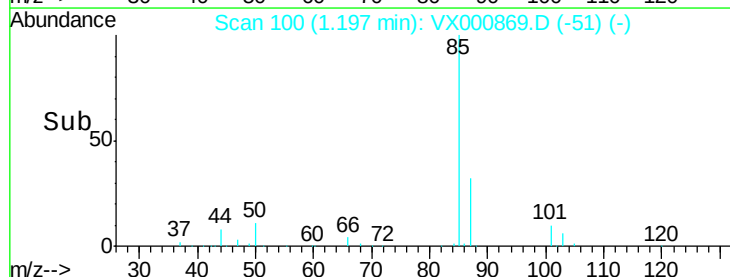
Time-->

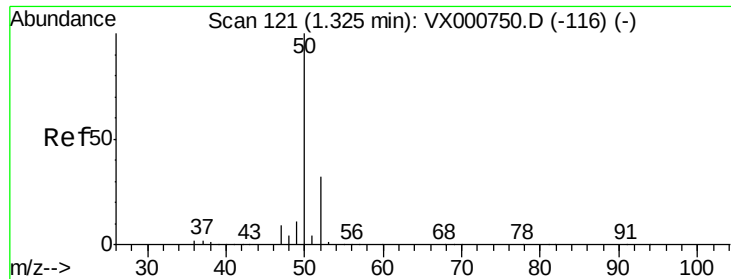
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 19.59 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

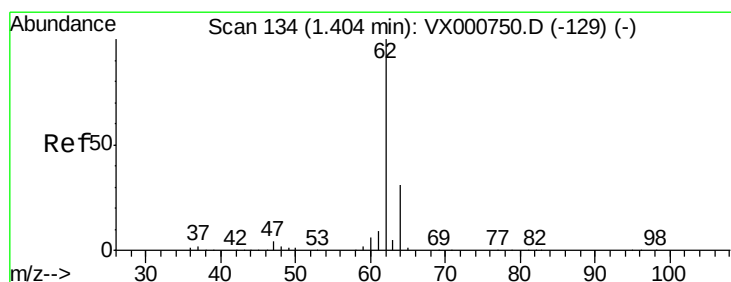
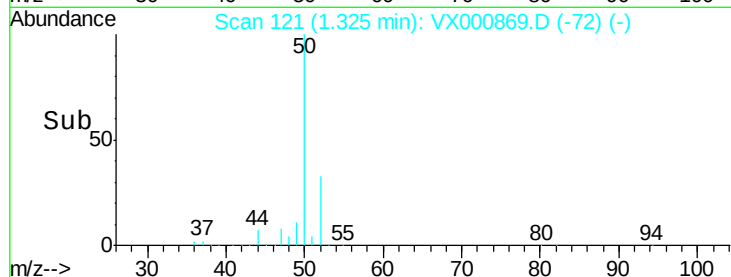
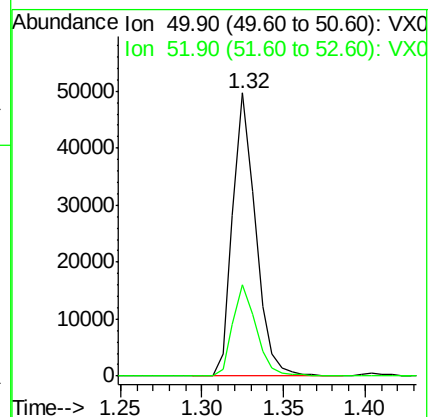
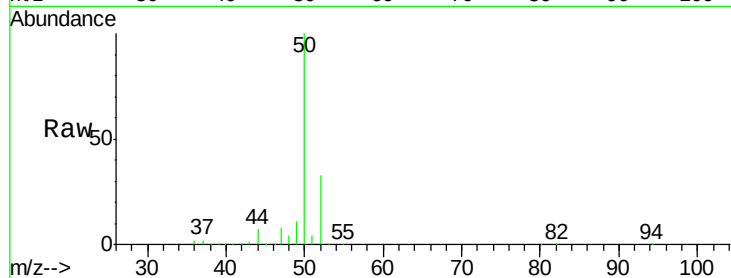
VX0414WBS01

Tgt Ion: 50 Resp: 48836

Ion Ratio Lower Upper

50 100

52 32.5 25.8 38.8



#4

Vinyl Chloride

Concen: 20.61 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000869.D

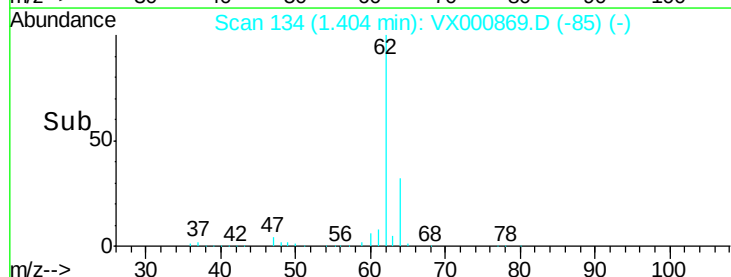
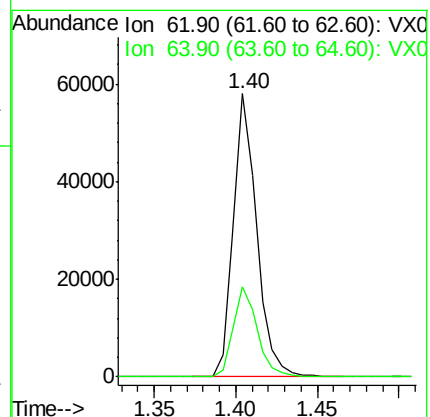
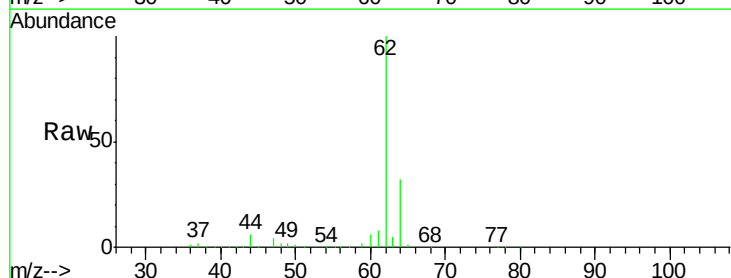
Acq: 14 Apr 2018 12:34

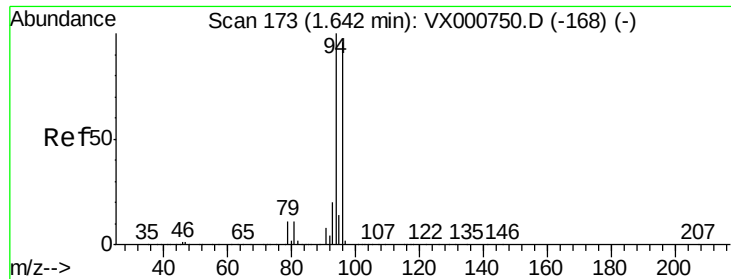
Tgt Ion: 62 Resp: 57792

Ion Ratio Lower Upper

62 100

64 31.8 24.6 36.8





#5

Bromomethane

Concen: 25.36 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

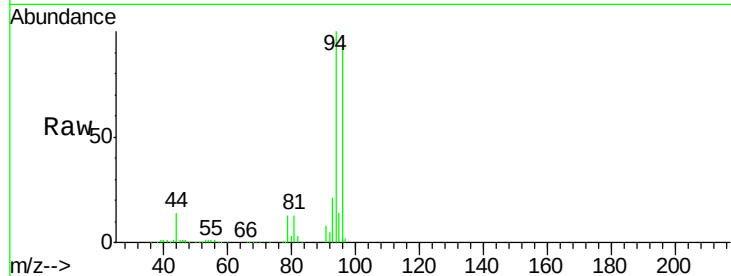
VX0414WBS01

Tgt Ion: 94 Resp: 30216

Ion Ratio Lower Upper

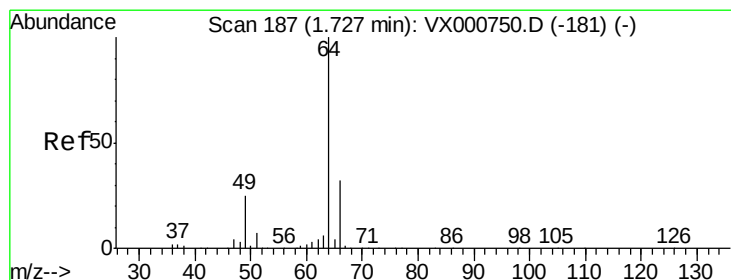
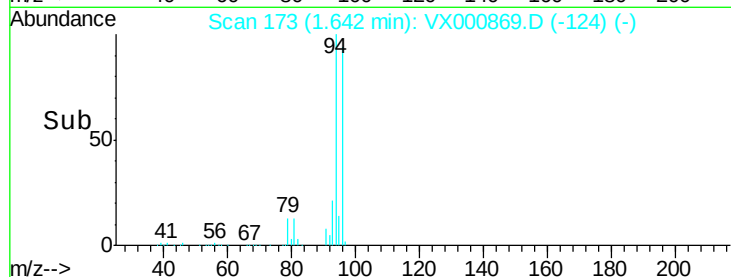
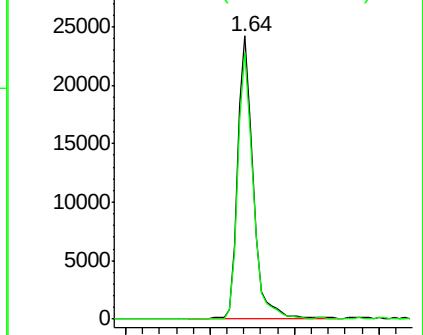
94 100

96 94.3 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.85 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000869.D

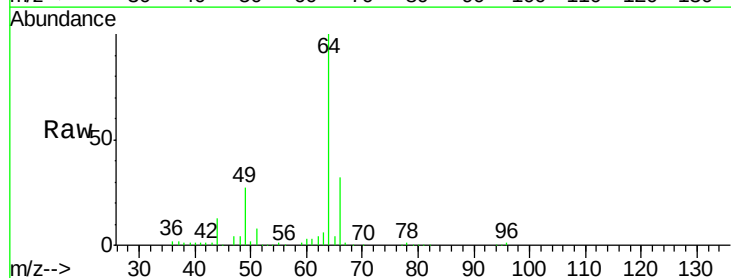
Acq: 14 Apr 2018 12:34

Tgt Ion: 64 Resp: 33724

Ion Ratio Lower Upper

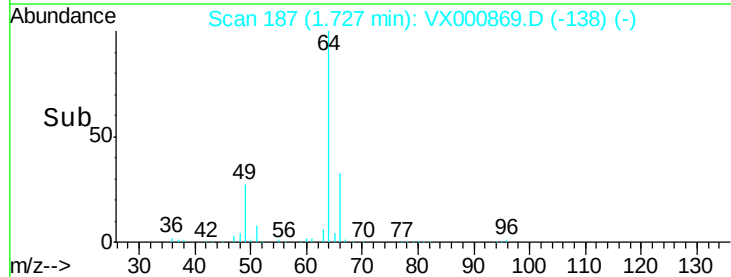
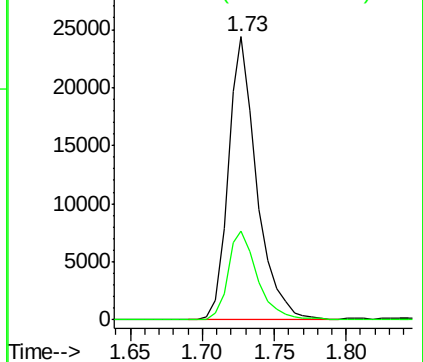
64 100

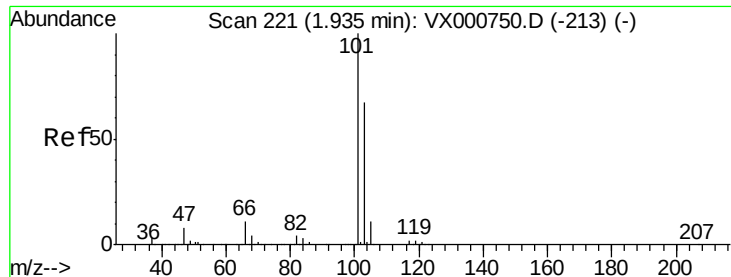
66 31.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



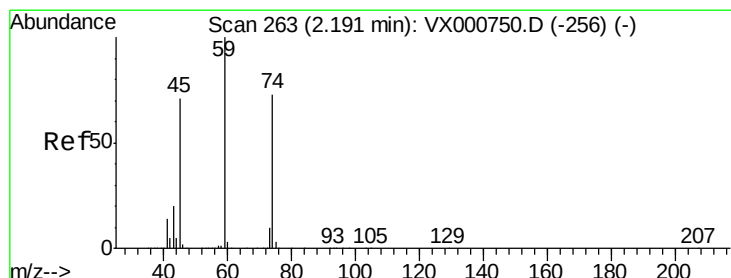
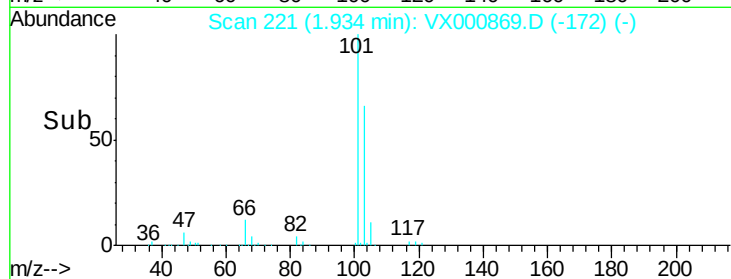
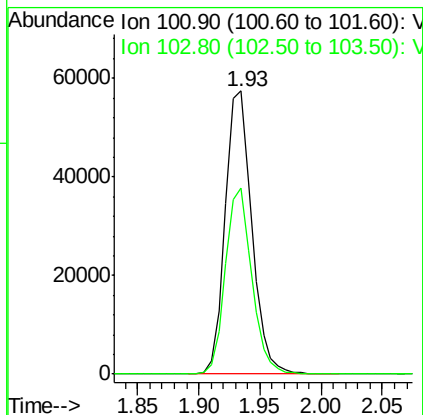
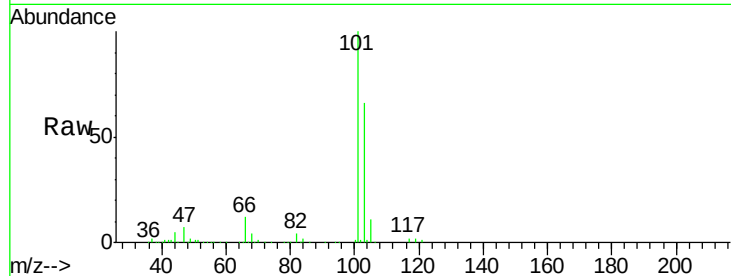


#7

Trichlorofluoromethane
 Concen: 20.44 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX000869.D
 Acq: 14 Apr 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBS01

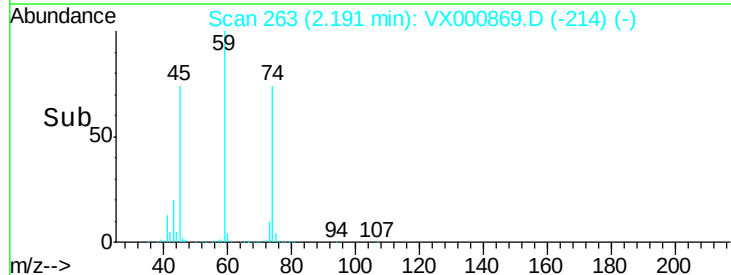
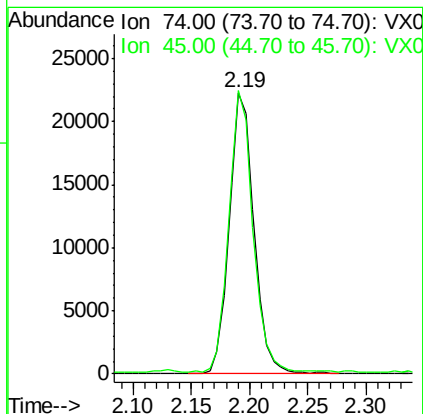
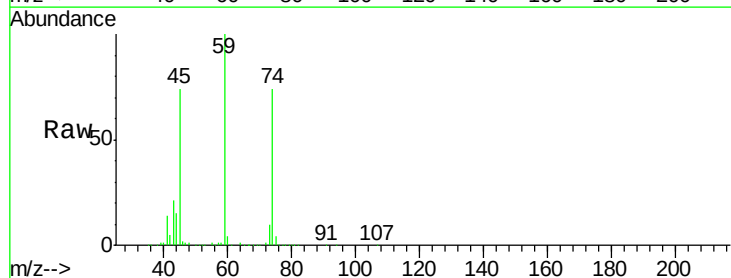
Tgt Ion: 101 Resp: 86441
 Ion Ratio Lower Upper
 101 100
 103 66.0 53.2 79.8

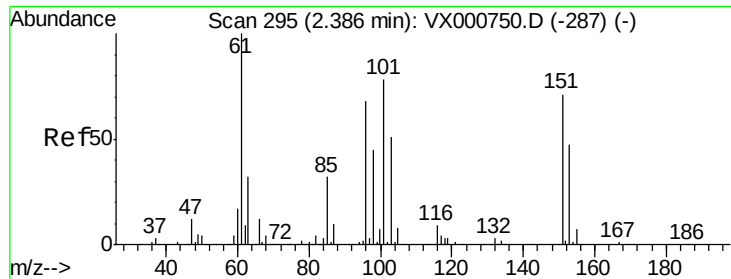


#8

Diethyl Ether
 Concen: 20.85 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX000869.D
 Acq: 14 Apr 2018 12:34

Tgt Ion: 74 Resp: 32951
 Ion Ratio Lower Upper
 74 100
 45 97.2 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.45 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBS01

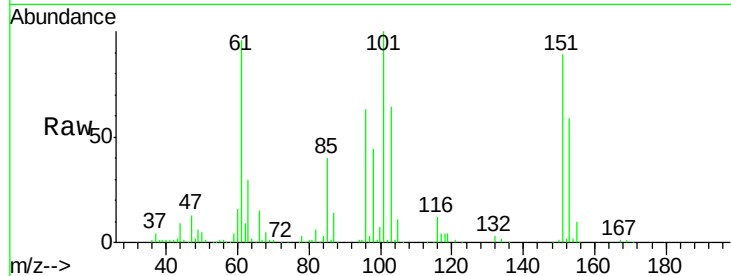
Tgt Ion:101 Resp: 53488

Ion Ratio Lower Upper

101 100

85 42.1 34.0 51.0

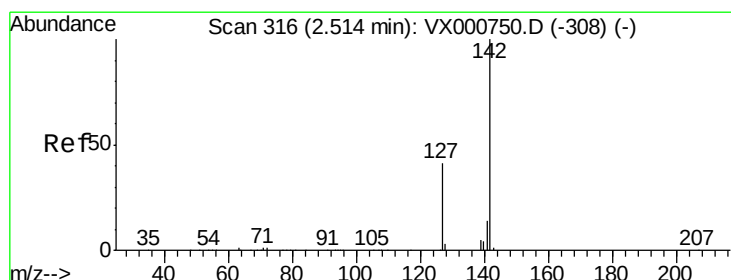
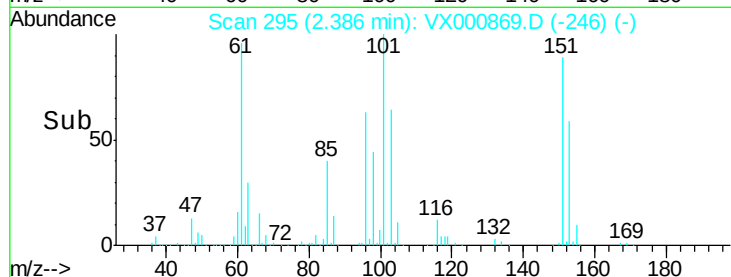
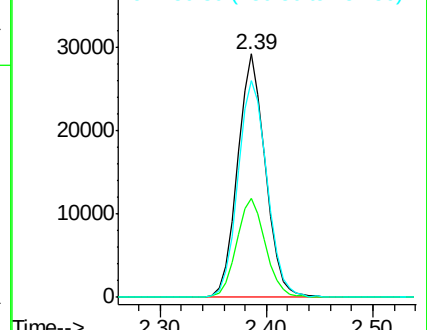
151 93.4 75.8 113.8



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: 18.01 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

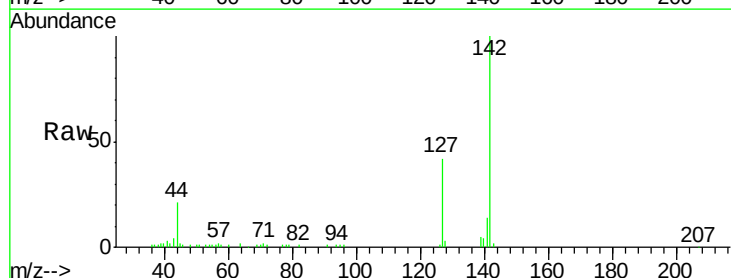
Tgt Ion:142 Resp: 22711

Ion Ratio Lower Upper

142 100

127 41.3 32.6 49.0

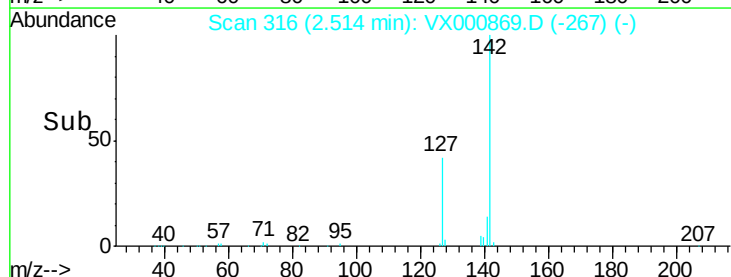
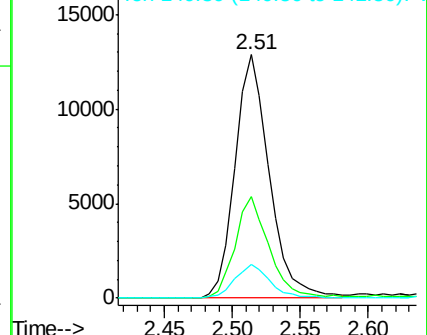
141 14.2 11.5 17.3

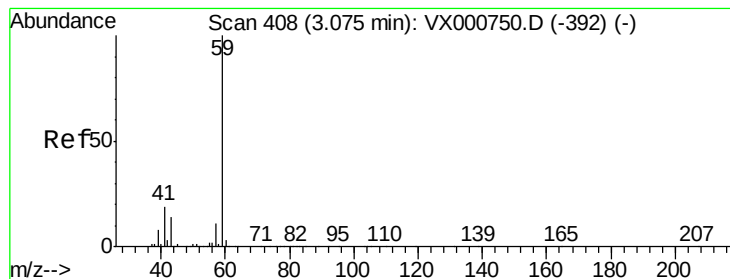


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 108.01 ug/l

RT: 3.09 min Scan# 410

Delta R.T. 0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

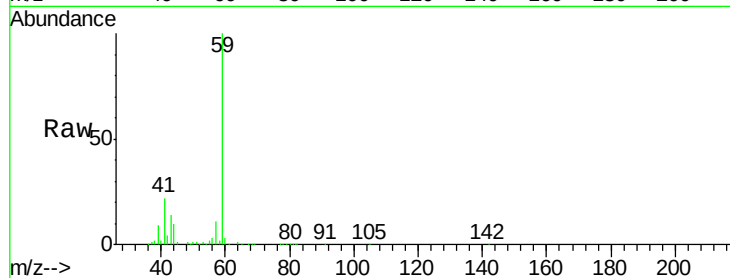
VX0414WBS01

Tgt Ion: 59 Resp: 62264

Ion Ratio Lower Upper

59 100

57 10.7 8.4 12.6

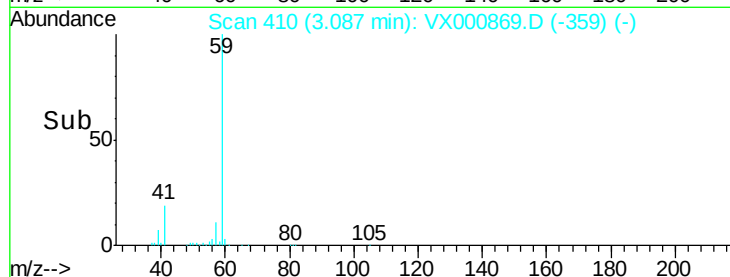


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.09

Time-->



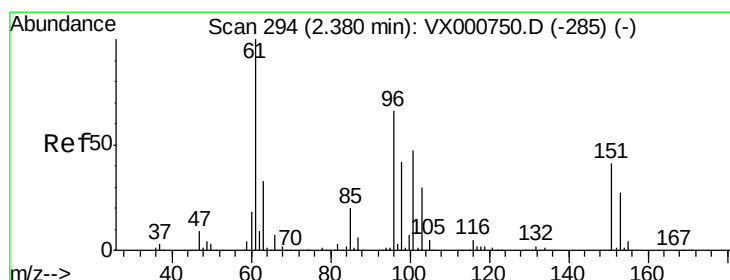
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

2.37

Time-->



#12

1,1-Dichloroethene

Concen: 20.07 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

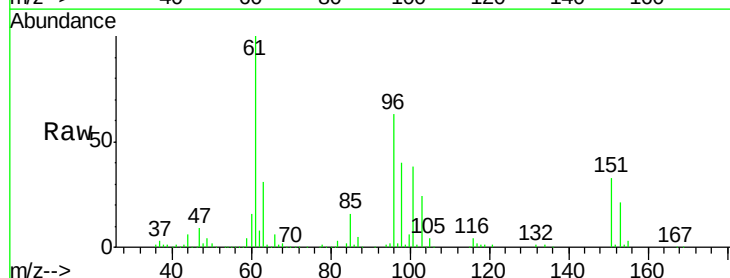
Tgt Ion: 96 Resp: 47446

Ion Ratio Lower Upper

96 100

61 158.2 120.5 180.7

98 63.6 50.9 76.3



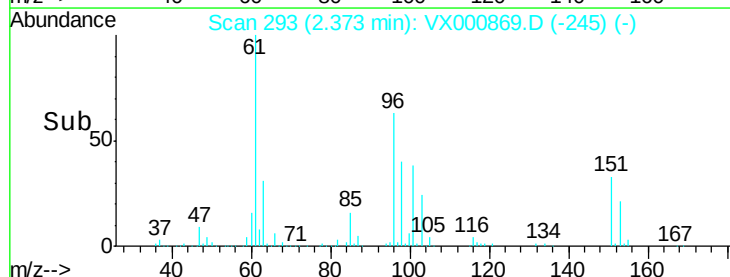
Abundance Ion 95.90 (95.60 to 96.60): VX0

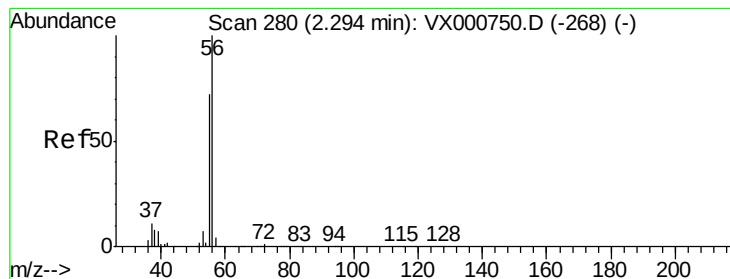
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

2.37

Time-->





#13

Acrolein

Concen: 47.43 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

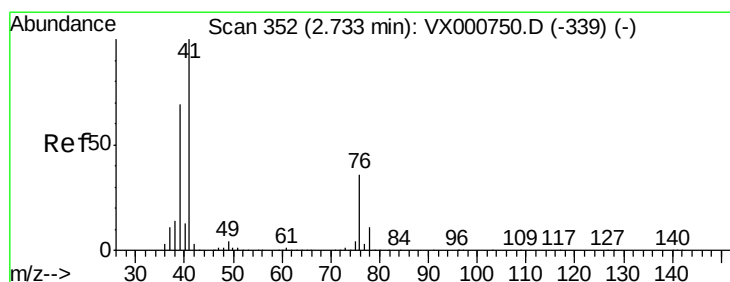
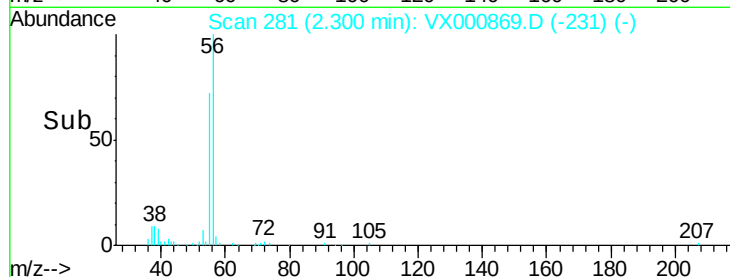
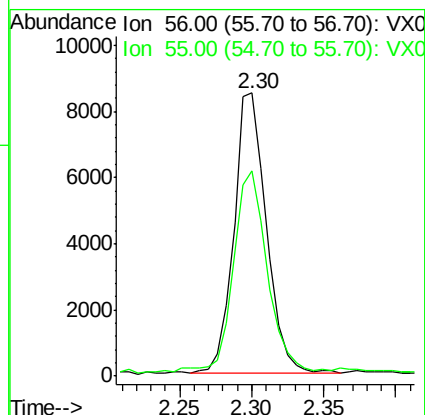
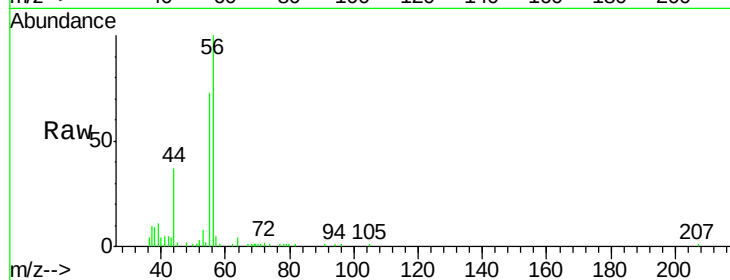
VX0414WBS01

Tgt Ion: 56 Resp: 13279

Ion Ratio Lower Upper

56 100

55 75.3 58.7 88.1



#14

Allyl chloride

Concen: 20.24 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

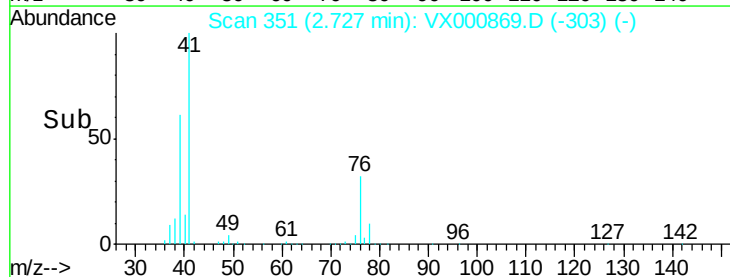
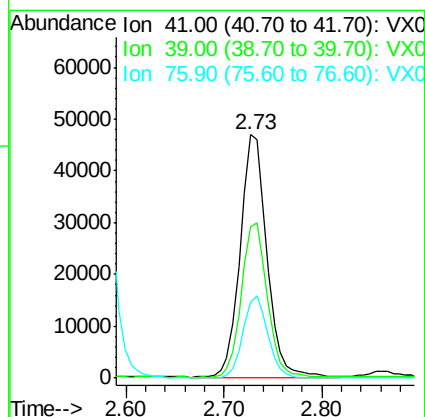
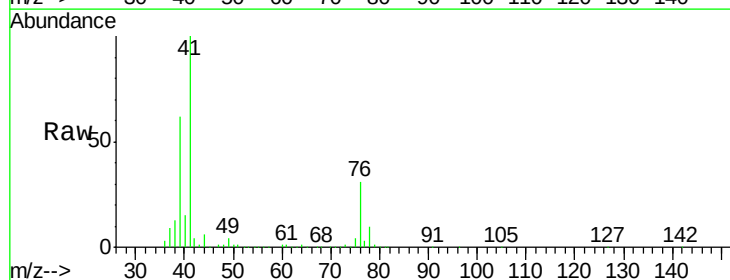
Tgt Ion: 41 Resp: 88441

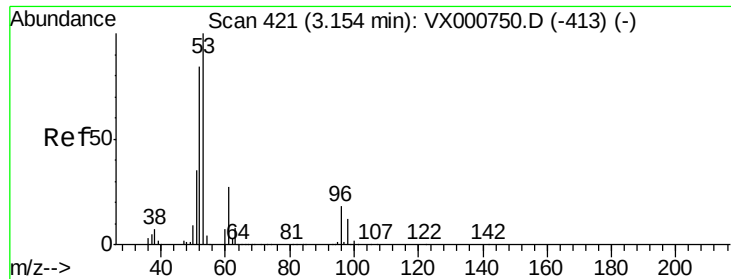
Ion Ratio Lower Upper

41 100

39 61.9 51.5 77.3

76 31.8 26.5 39.7





#15

Acrylonitrile

Concen: 114.49 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBS01

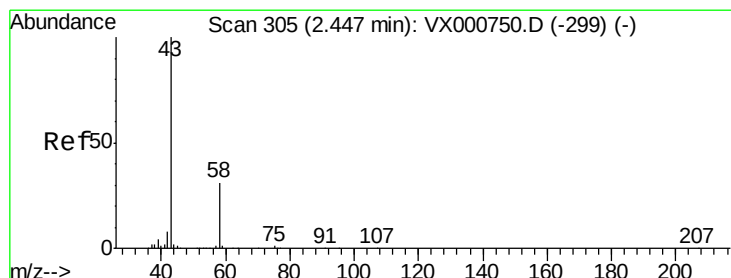
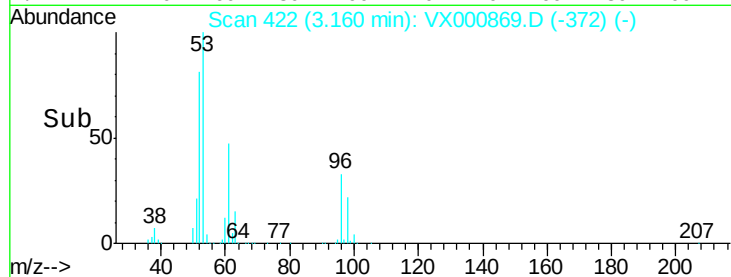
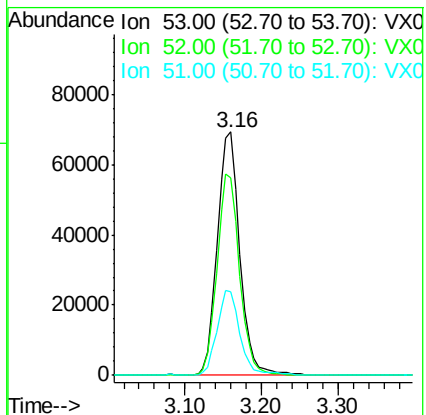
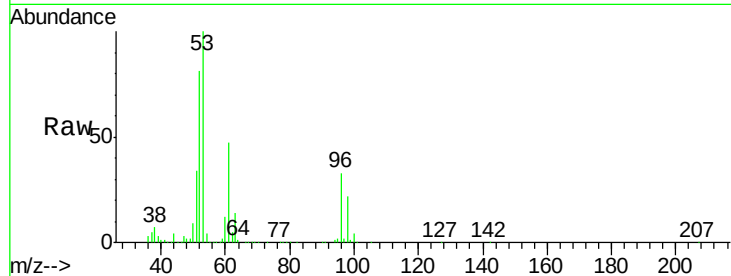
Tgt Ion: 53 Resp: 140711

Ion Ratio Lower Upper

53 100

52 83.1 66.5 99.7

51 35.4 28.8 43.2



#16

Acetone

Concen: 115.18 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000869.D

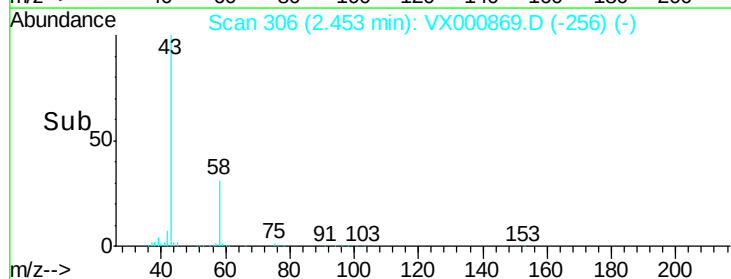
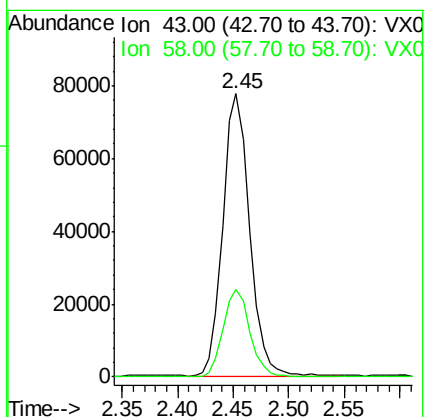
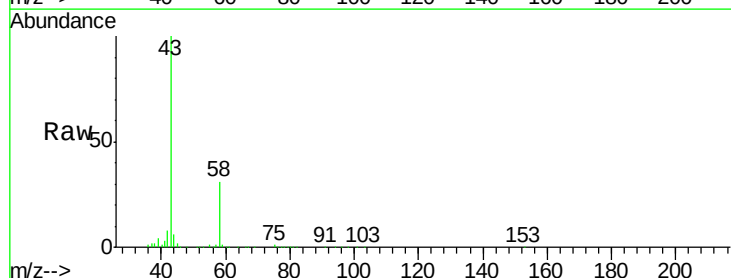
Acq: 14 Apr 2018 12:34

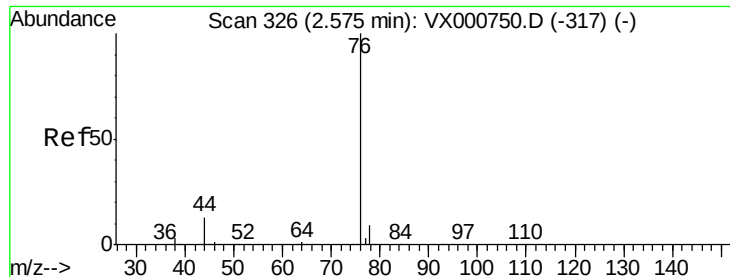
Tgt Ion: 43 Resp: 128968

Ion Ratio Lower Upper

43 100

58 31.1 24.6 37.0





#17

Carbon Disulfide

Concen: 17.11 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

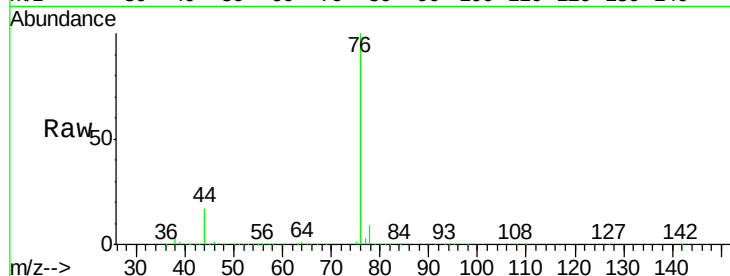
VX0414WBS01

Tgt Ion: 76 Resp: 122421

Ion Ratio Lower Upper

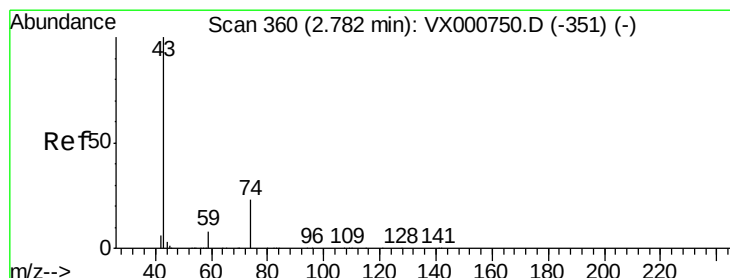
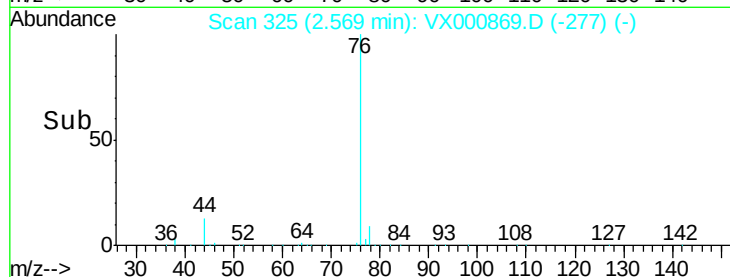
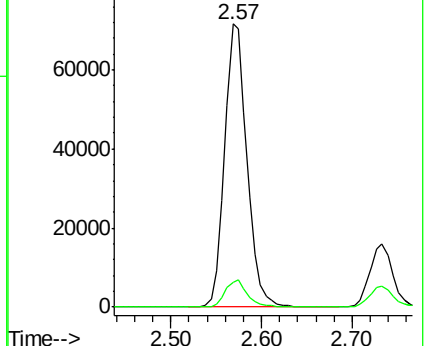
76 100

78 8.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 24.06 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX000869.D

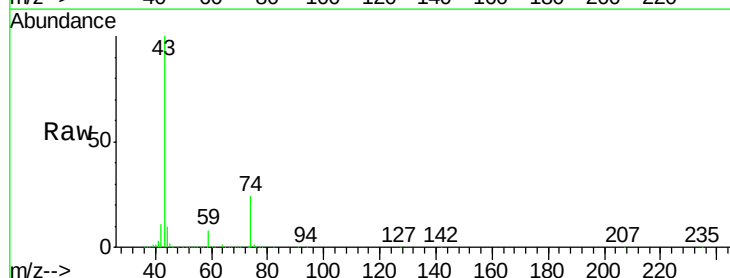
Acq: 14 Apr 2018 12:34

Tgt Ion: 43 Resp: 69713

Ion Ratio Lower Upper

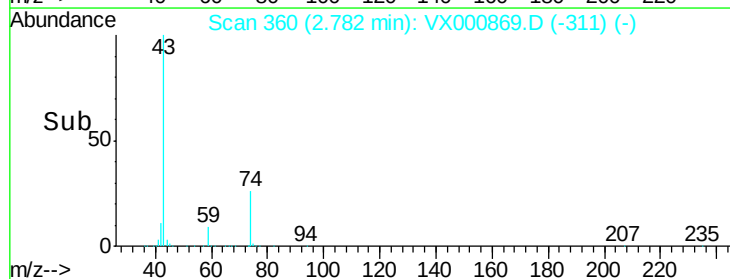
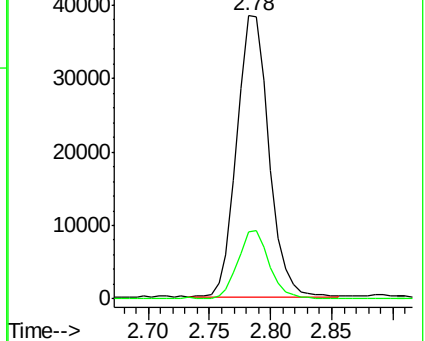
43 100

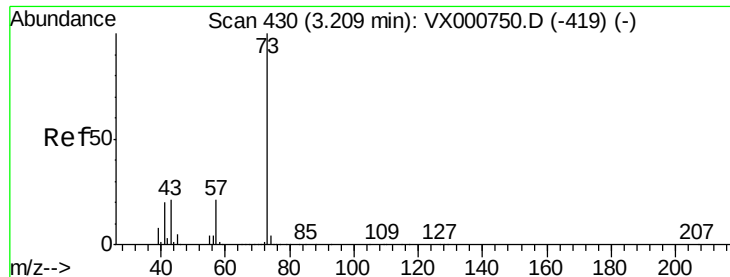
74 23.9 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

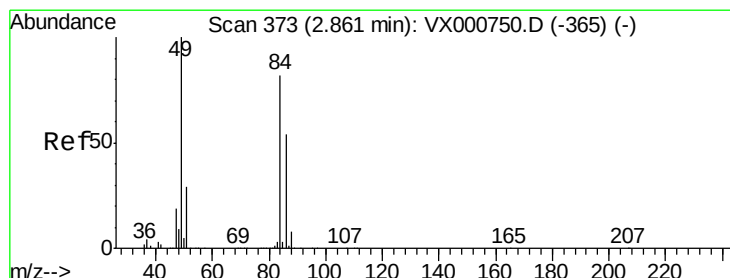
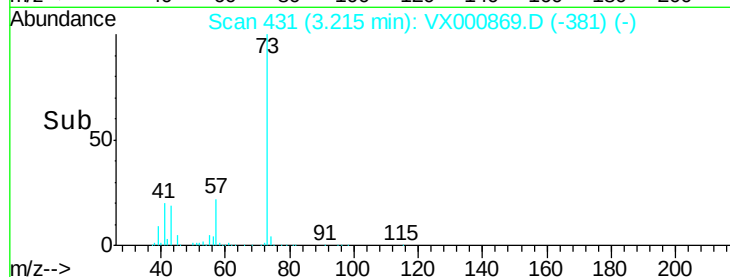
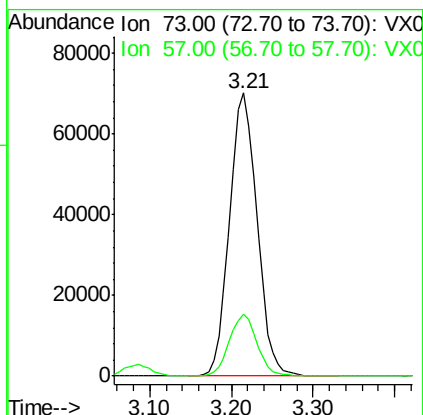
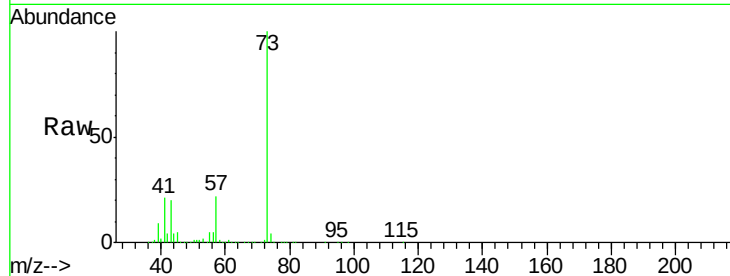




#19
Methyl tert-butyl Ether
Concen: 20.82 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

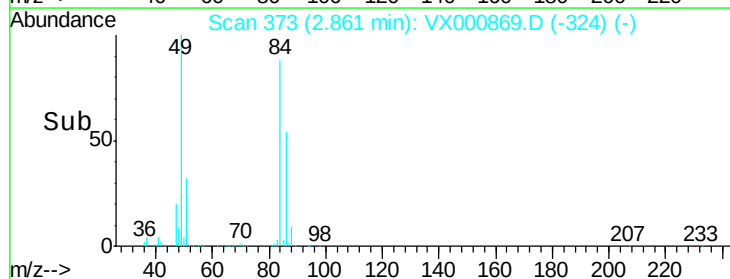
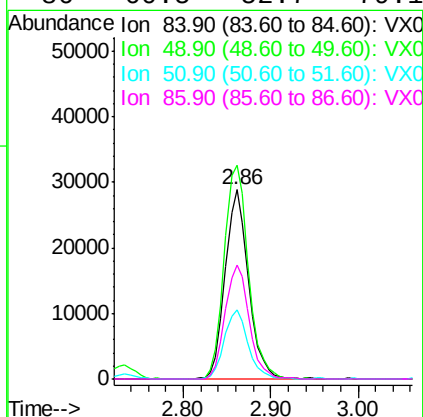
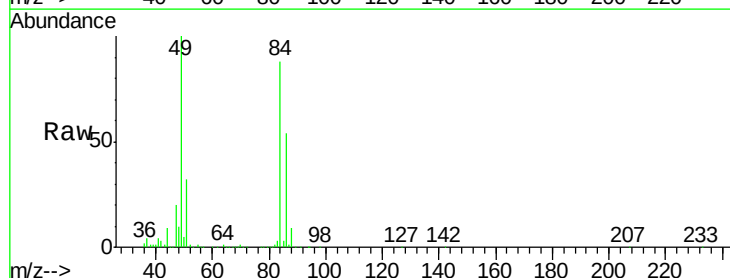
Instrument :
MSVOA_X
ClientSampleId :
VX0414WBS01

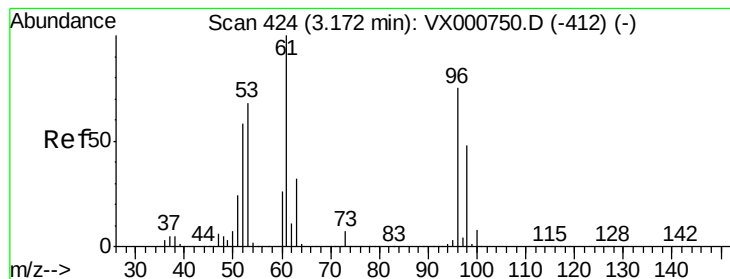
Tgt Ion: 73 Resp: 163938
Ion Ratio Lower Upper
73 100
57 21.8 16.9 25.3



#20
Methylene Chloride
Concen: 20.56 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

Tgt Ion: 84 Resp: 53556
Ion Ratio Lower Upper
84 100
49 113.1 98.1 147.1
51 36.0 28.9 43.3
86 60.5 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 20.05 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBS01

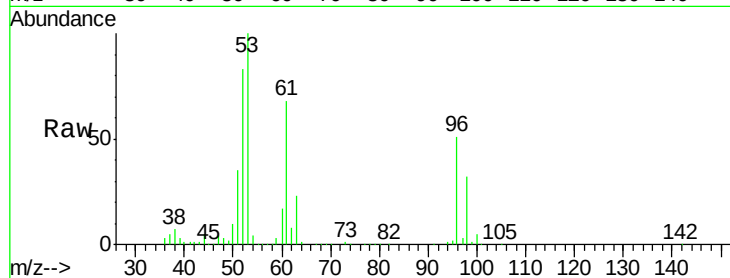
Tgt Ion: 96 Resp: 52266

Ion Ratio Lower Upper

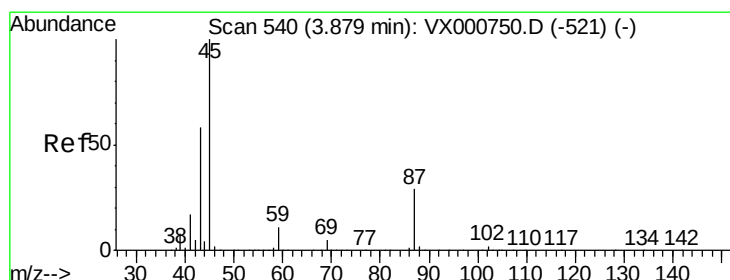
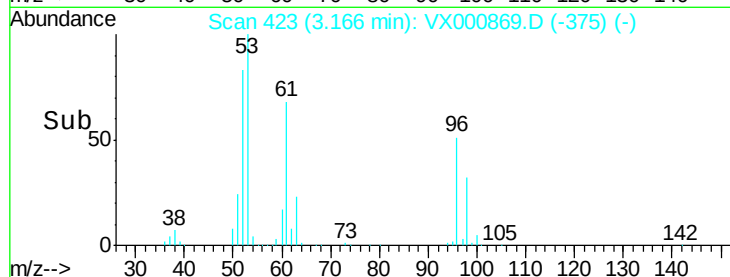
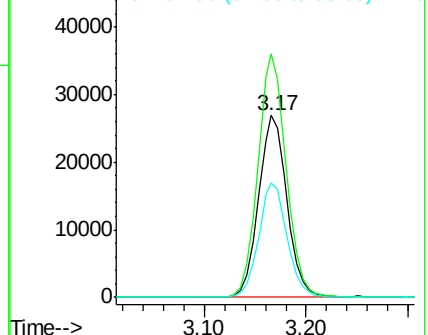
96 100

61 133.5 106.2 159.2

98 62.6 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: 21.53 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Tgt Ion: 45 Resp: 172902

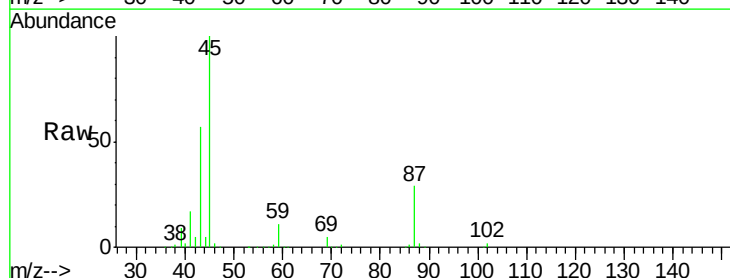
Ion Ratio Lower Upper

45 100

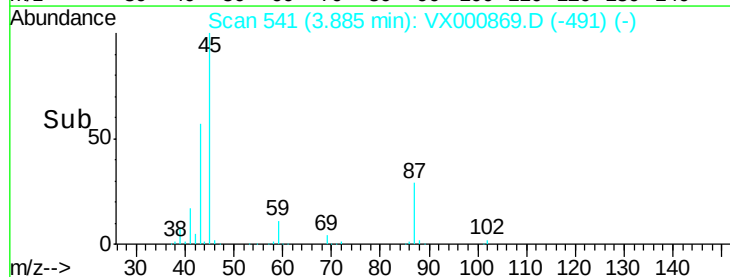
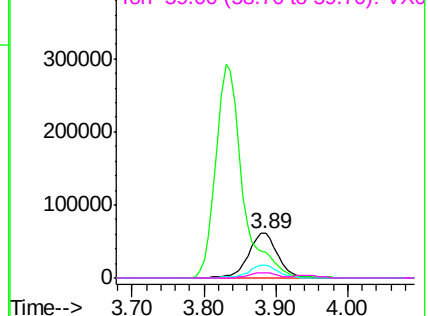
43 56.0 46.6 69.8

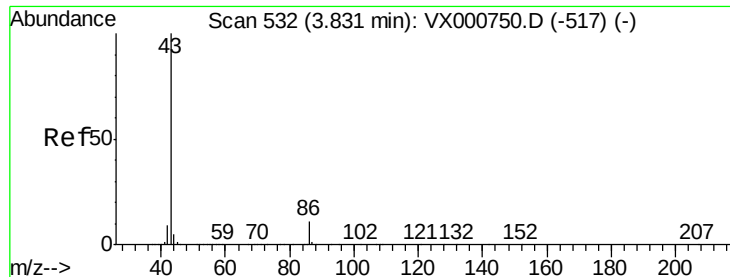
87 29.1 22.9 34.3

59 11.0 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: 107.34 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

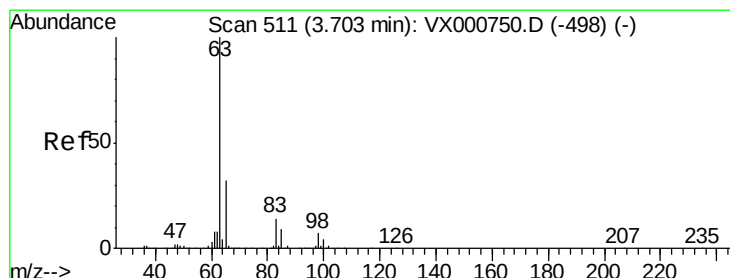
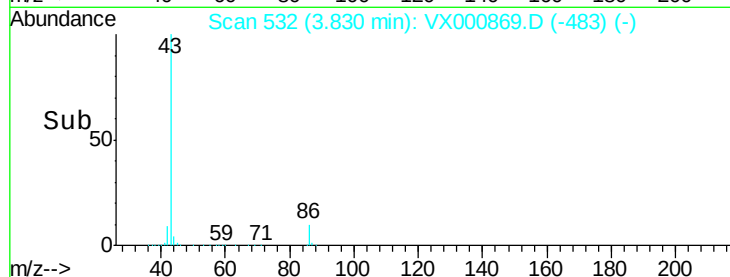
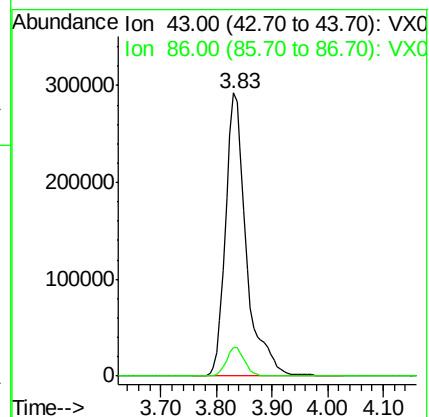
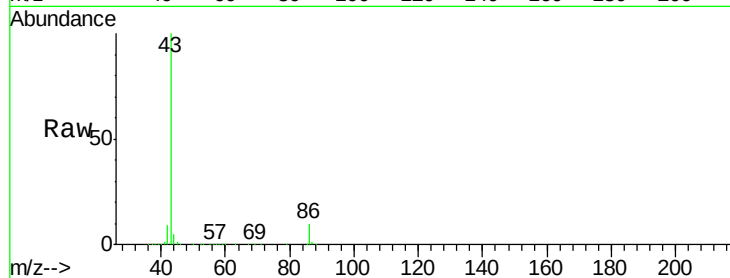
VX0414WBS01

Tgt Ion: 43 Resp: 756887

Ion Ratio Lower Upper

43 100

86 10.1 8.6 12.8



#24

1,1-Dichloroethane

Concen: 21.59 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

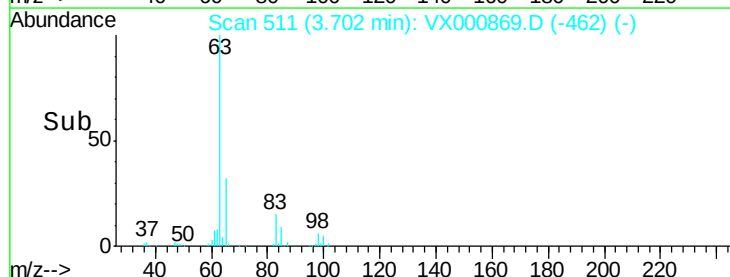
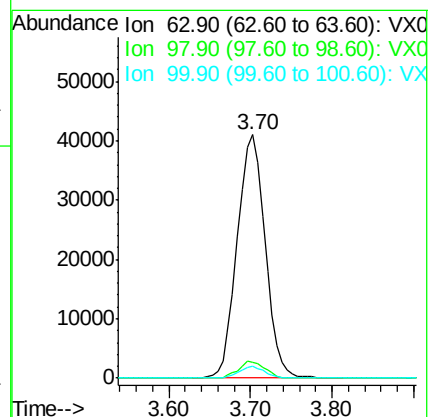
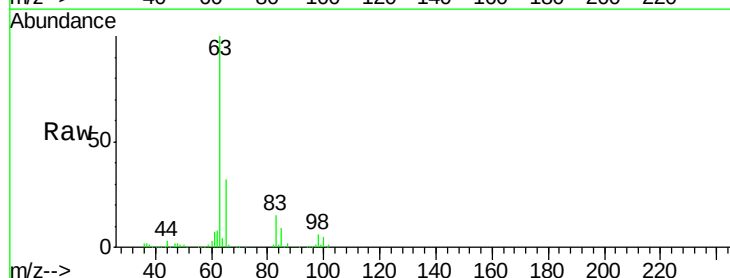
Tgt Ion: 63 Resp: 97309

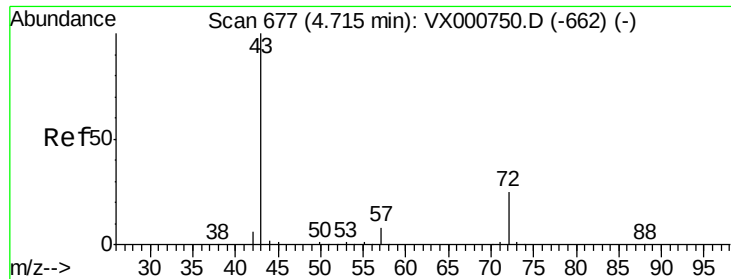
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 4.6 2.1 6.3





#25

2-Butanone

Concen: 114.38 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

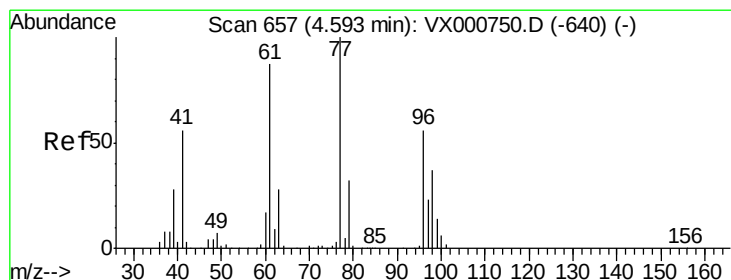
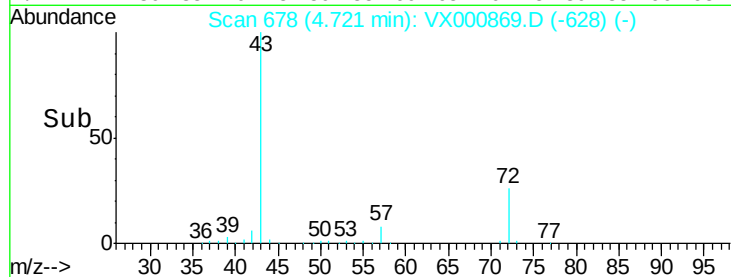
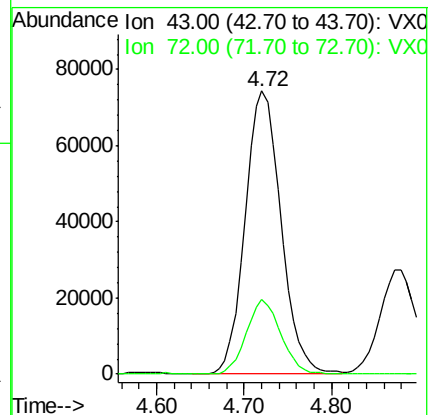
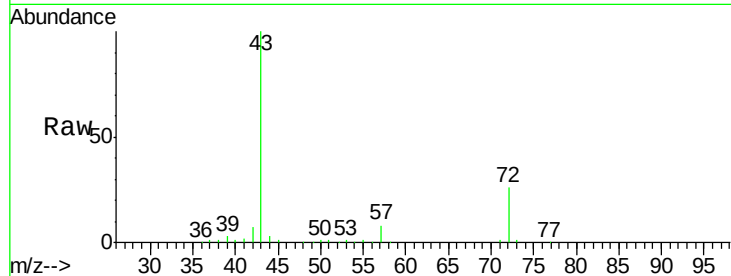
VX0414WBS01

Tgt Ion: 43 Resp: 211497

Ion Ratio Lower Upper

43 100

72 26.4 20.3 30.5



#26

2,2-Dichloropropane

Concen: 19.17 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000869.D

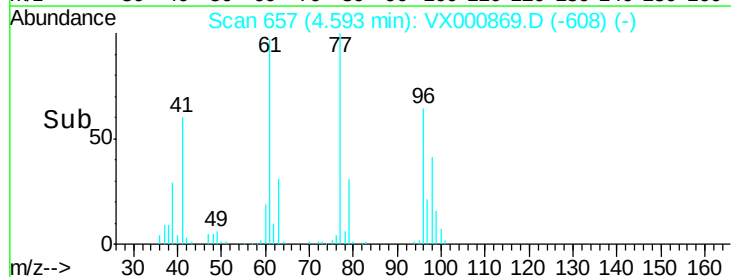
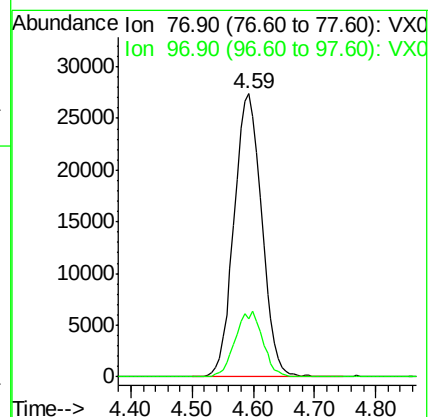
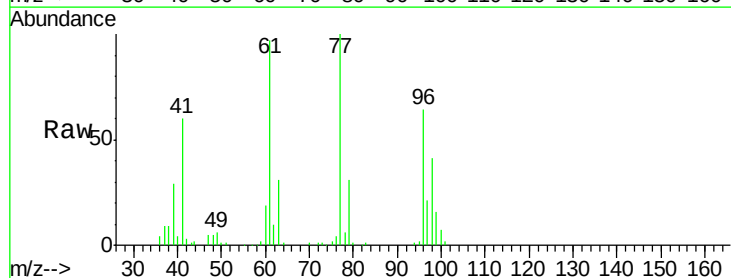
Acq: 14 Apr 2018 12:34

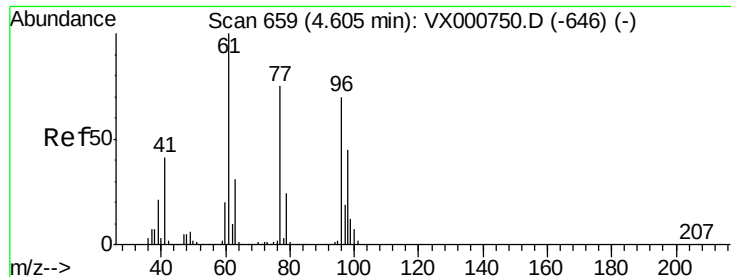
Tgt Ion: 77 Resp: 85745

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 20.96 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

VX0414WBS01

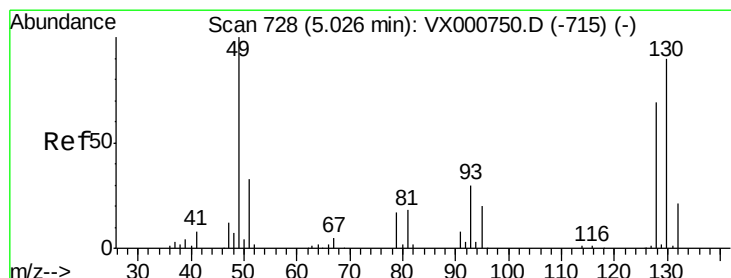
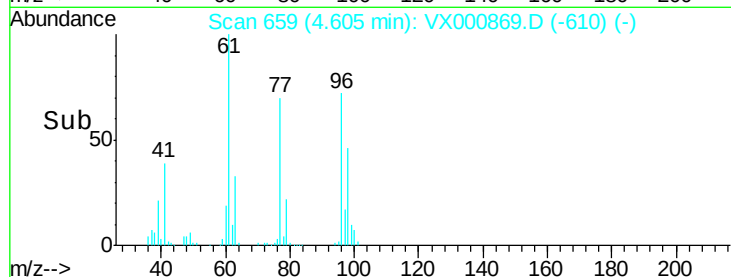
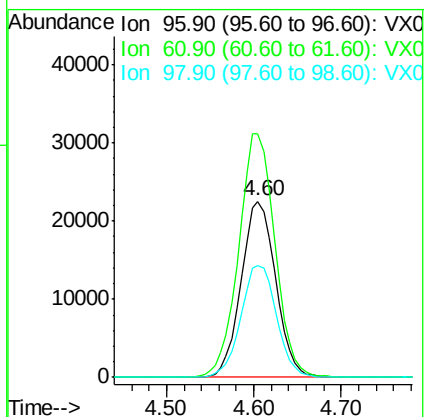
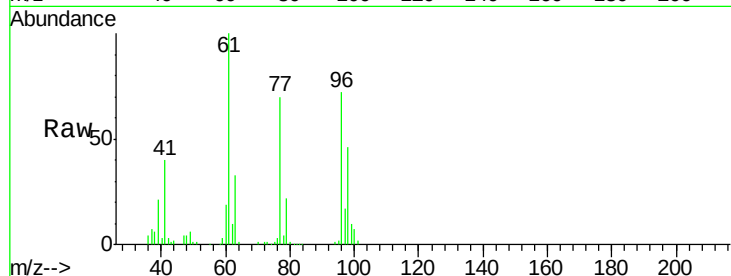
Tgt Ion: 96 Resp: 61981

Ion Ratio Lower Upper

96 100

61 145.1 0.0 292.4

98 65.6 0.0 130.2



#28

Bromochloromethane

Concen: 19.76 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

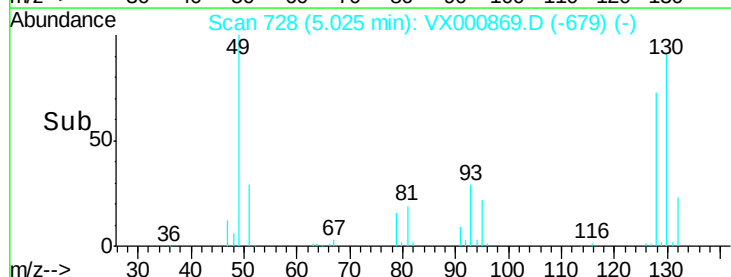
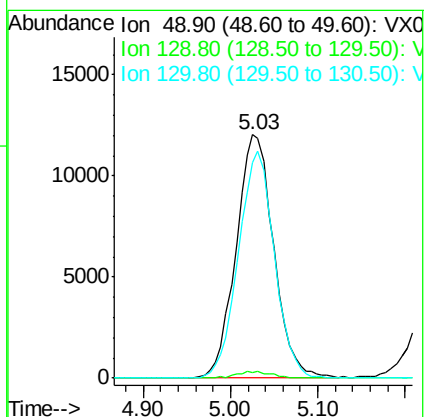
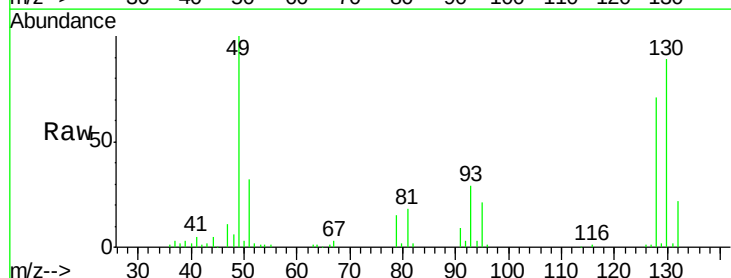
Tgt Ion: 49 Resp: 35866

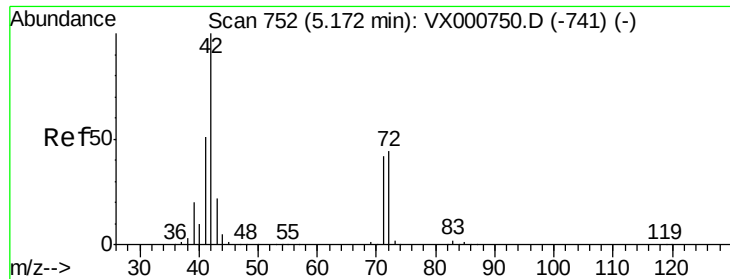
Ion Ratio Lower Upper

49 100

129 2.4 0.0 5.2

130 89.3 72.6 109.0





#29

Tetrahydrofuran

Concen: 111.95 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBS01

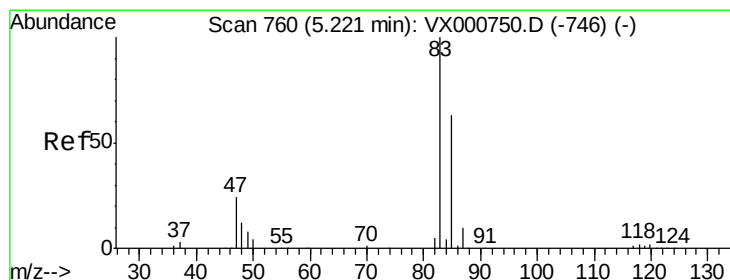
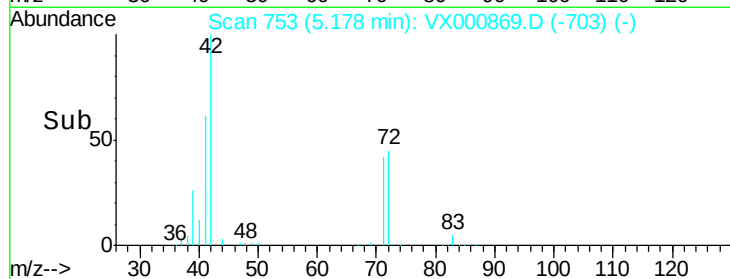
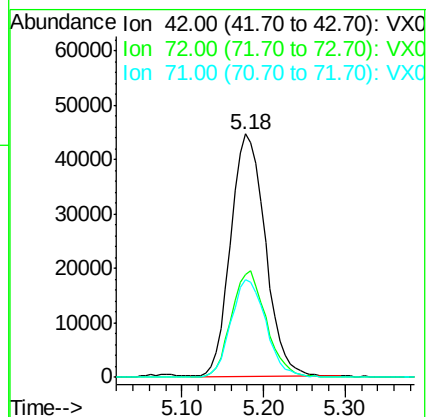
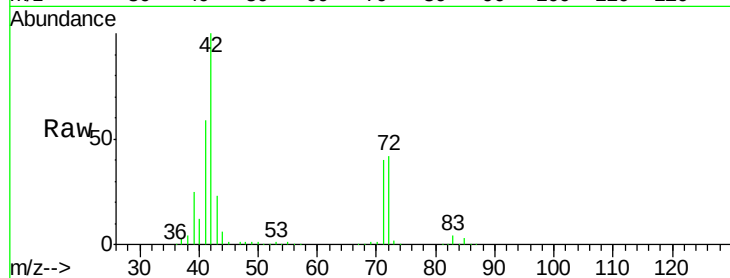
Tgt Ion: 42 Resp: 131435

Ion Ratio Lower Upper

42 100

72 44.0 35.1 52.7

71 40.8 32.8 49.2



#30

Chloroform

Concen: 21.26 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VX000869.D

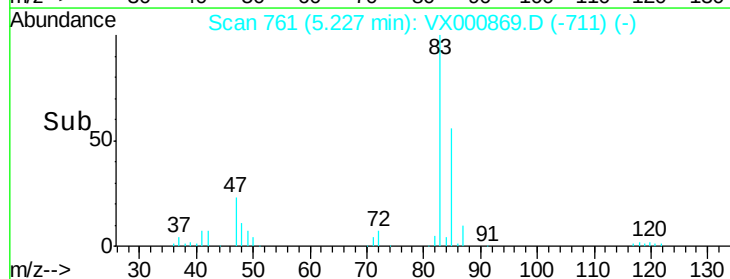
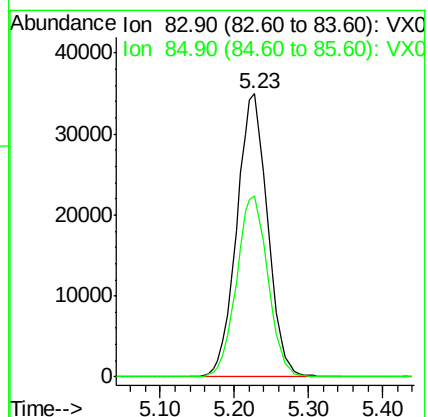
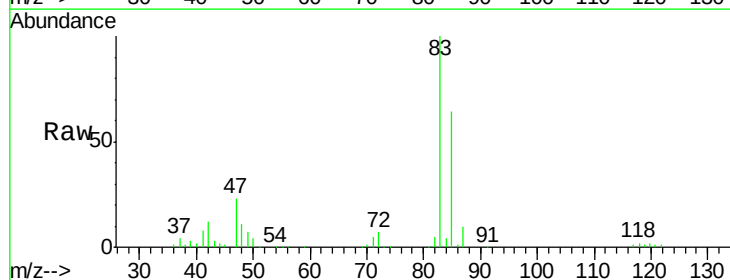
Acq: 14 Apr 2018 12:34

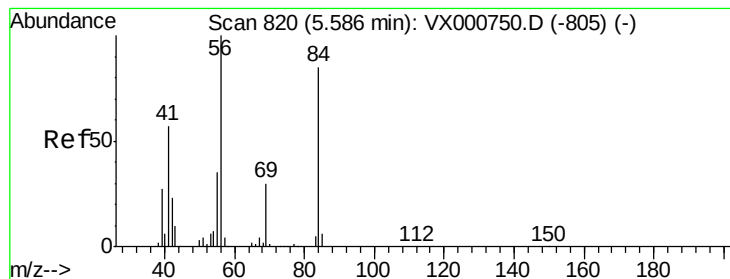
Tgt Ion: 83 Resp: 101457

Ion Ratio Lower Upper

83 100

85 63.9 50.7 76.1





#31

Cyclohexane

Concen: 20.07 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBS01

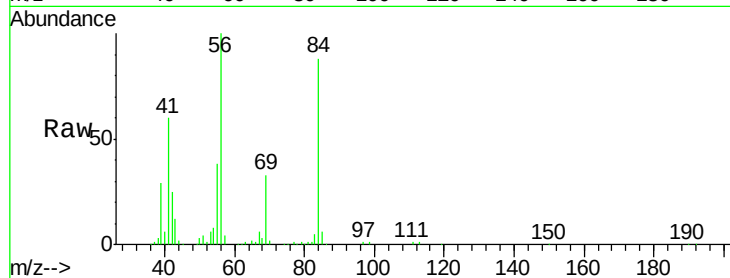
Tgt Ion: 56 Resp: 85892

Ion Ratio Lower Upper

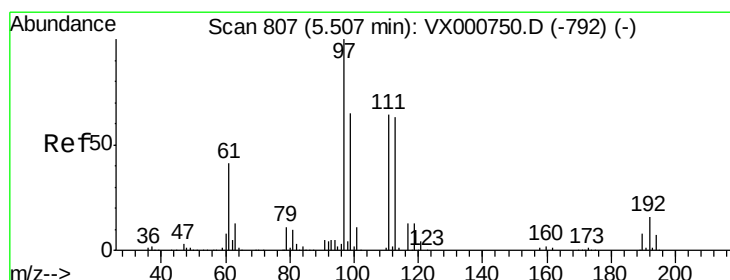
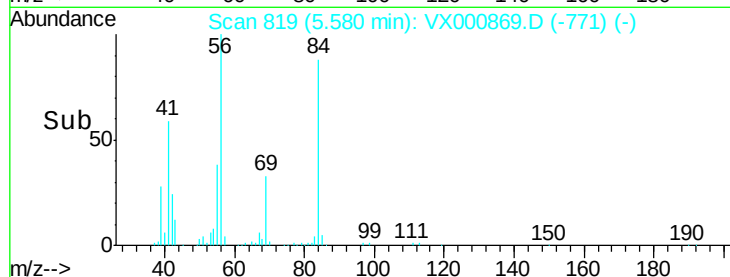
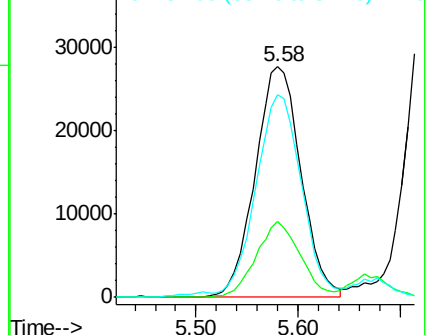
56 100

69 33.0 24.2 36.4

84 86.4 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: 20.18 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

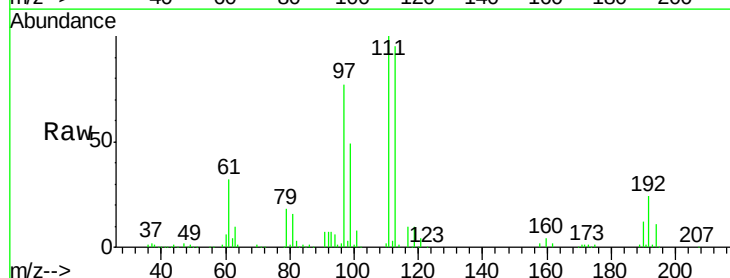
Tgt Ion: 97 Resp: 91751

Ion Ratio Lower Upper

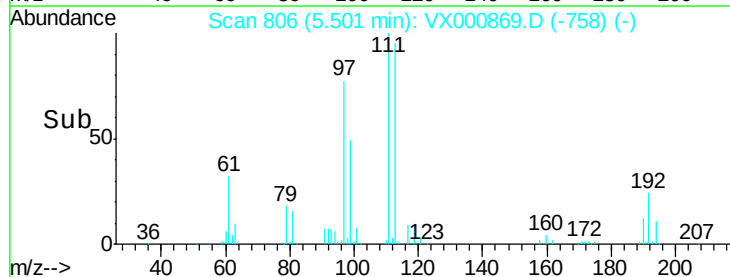
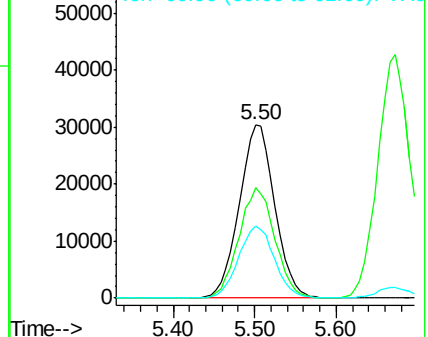
97 100

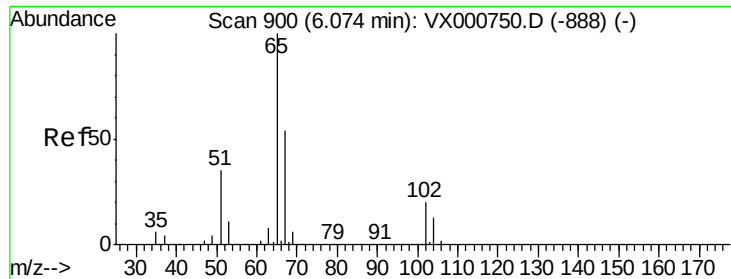
99 64.3 51.4 77.0

61 42.0 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: 47.41 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

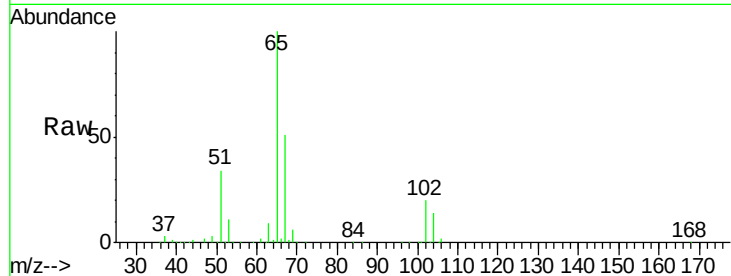
VX0414WBS01

Tgt Ion: 65 Resp: 153938

Ion Ratio Lower Upper

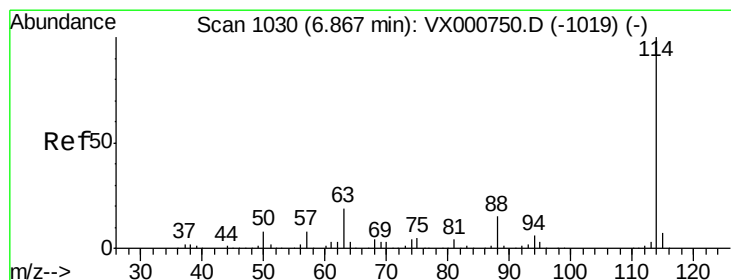
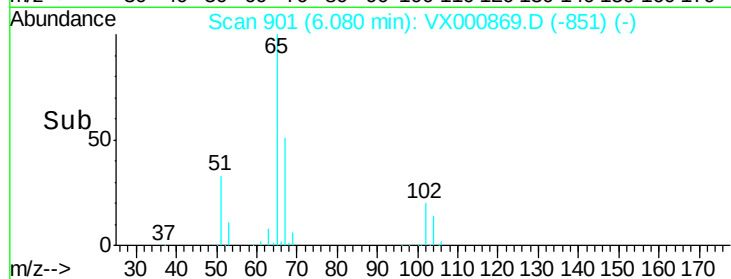
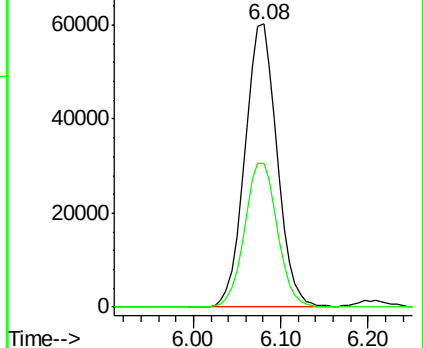
65 100

67 51.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

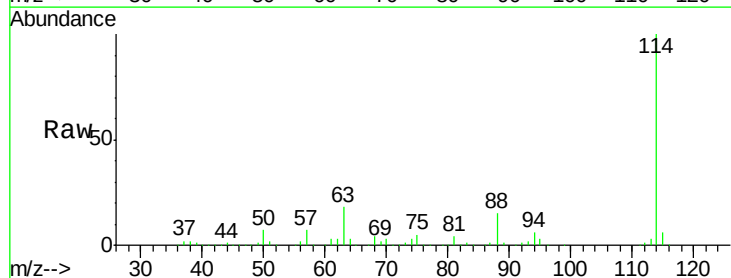
Tgt Ion: 114 Resp: 337419

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

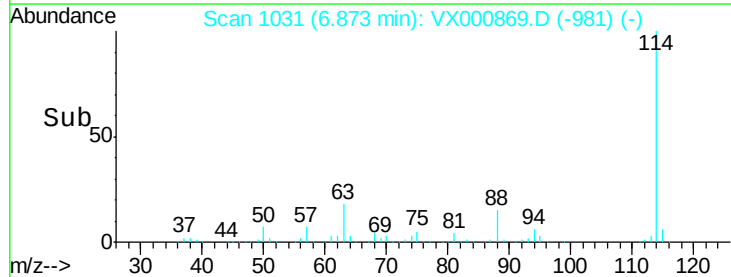
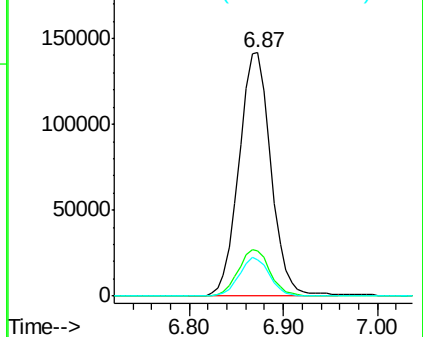
88 15.0 0.0 31.0

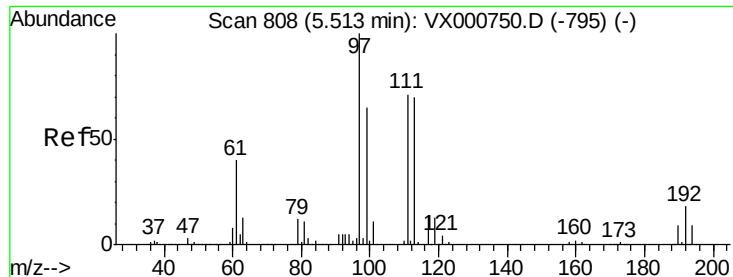


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

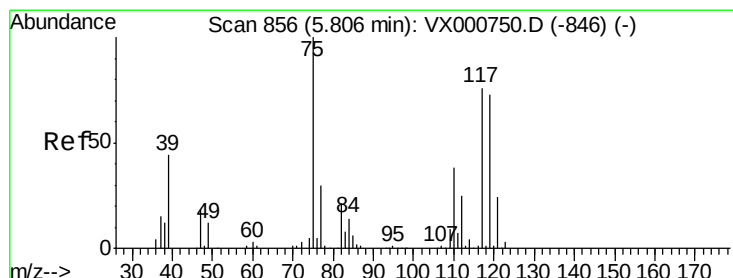
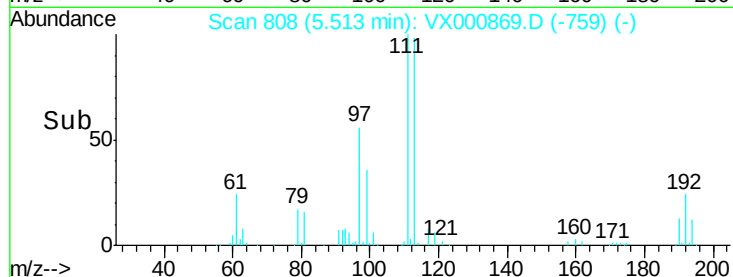
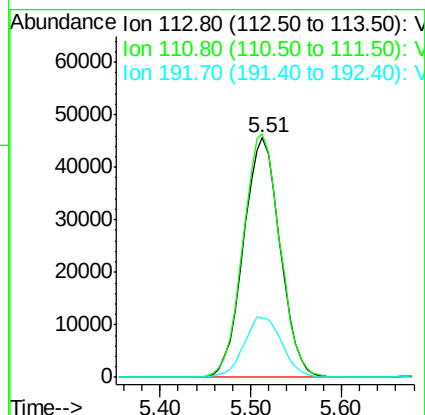
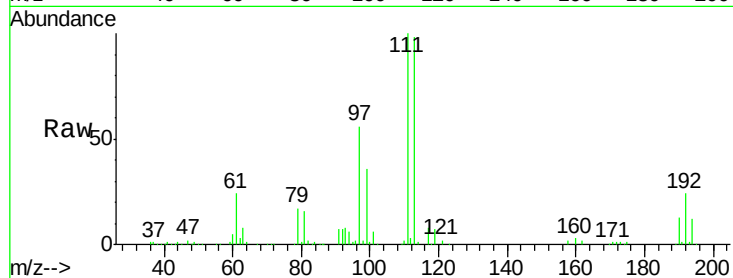




#35
 Dibromofluoromethane
 Concen: 49.10 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000869.D
 Acq: 14 Apr 2018 12:34

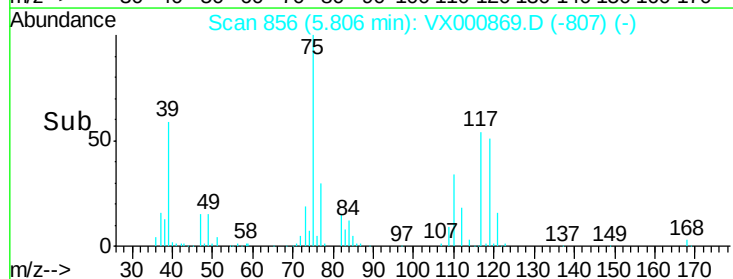
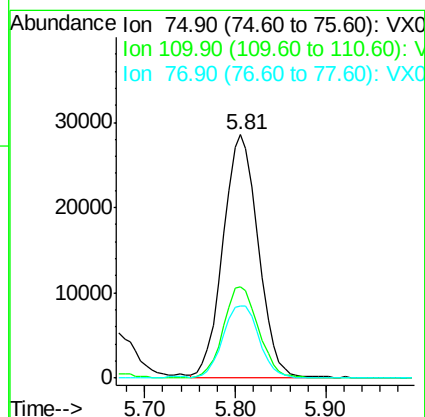
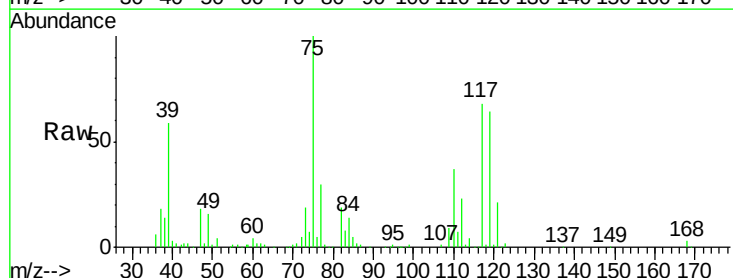
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBS01

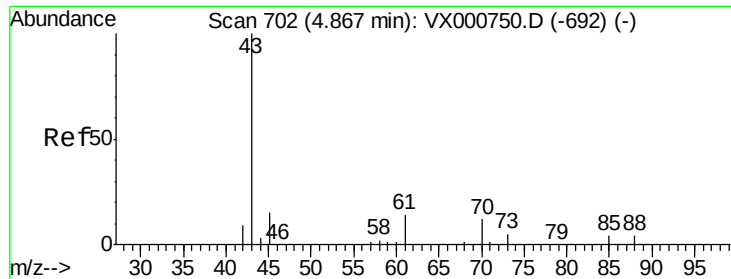
Tgt Ion:113 Resp: 127636
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.5 122.3
 192 26.2 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 20.63 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX000869.D
 Acq: 14 Apr 2018 12:34

Tgt Ion: 75 Resp: 76652
 Ion Ratio Lower Upper
 75 100
 110 37.8 19.2 57.6
 77 31.1 25.4 38.2





#37

Ethyl Acetate

Concen: 22.22 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBS01

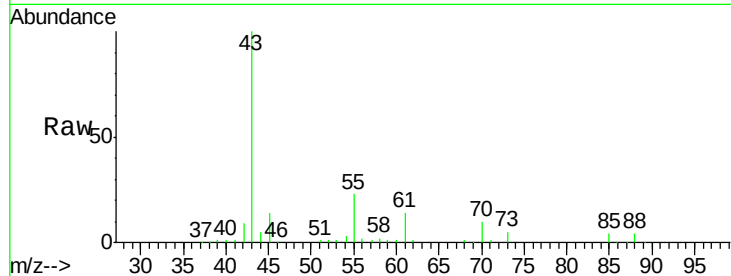
Tgt Ion: 43 Resp: 80594

Ion Ratio Lower Upper

43 100

61 13.8 11.0 16.4

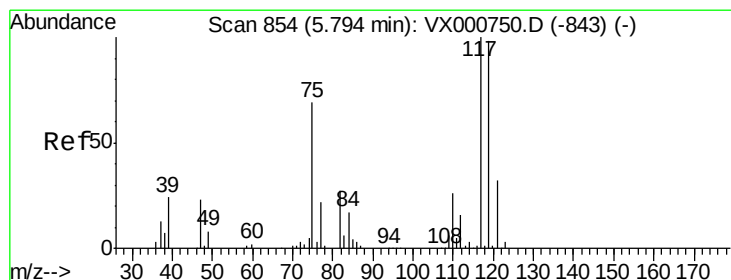
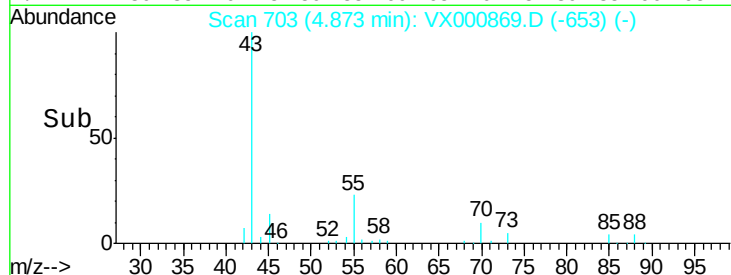
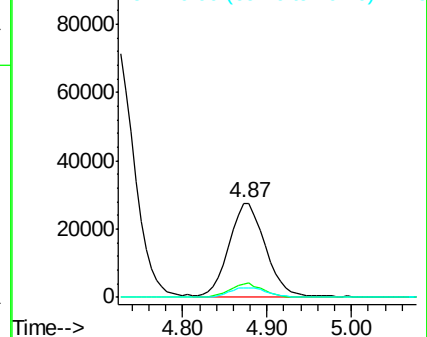
70 10.8 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 19.38 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.01 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

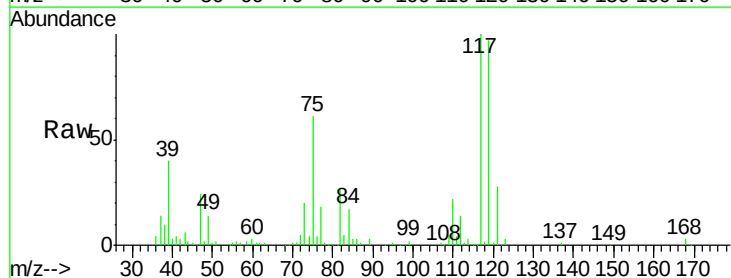
Tgt Ion: 117 Resp: 80614

Ion Ratio Lower Upper

117 100

119 96.9 78.4 117.6

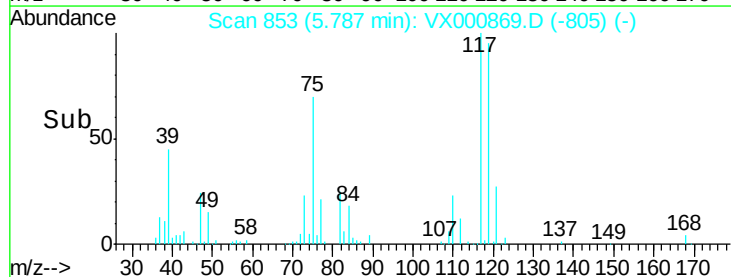
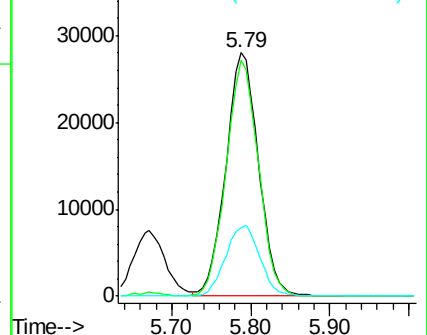
121 28.0 25.4 38.0

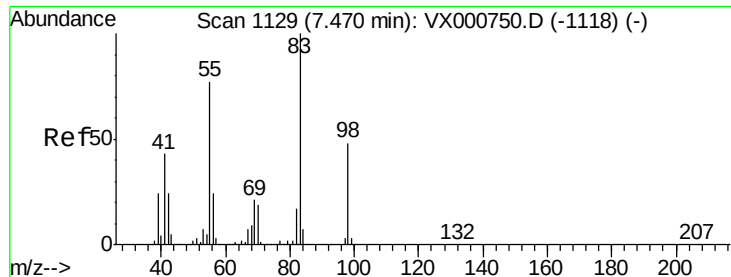


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

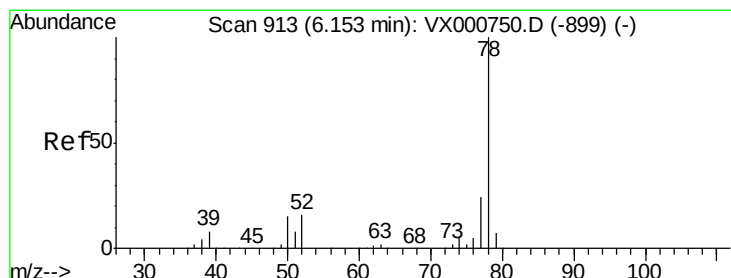
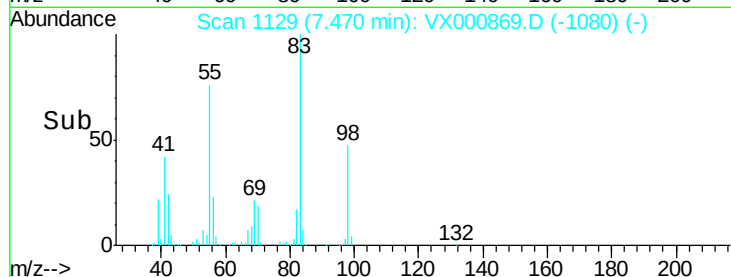
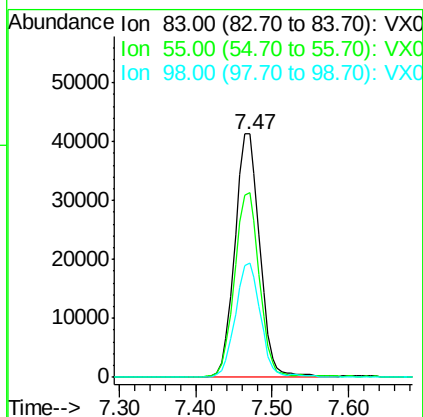
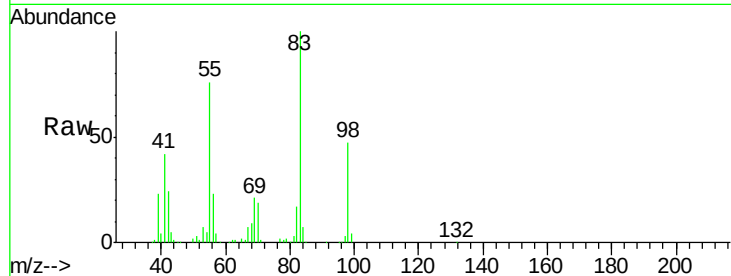




#39
Methylcyclohexane
Concen: 21.03 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

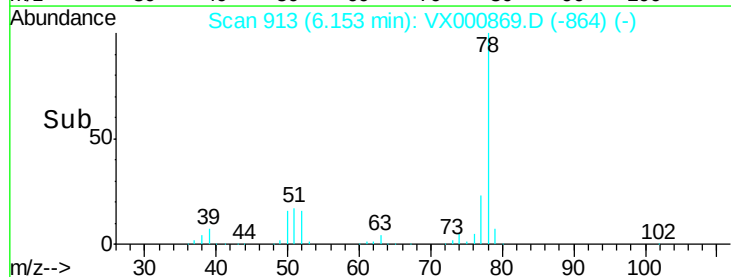
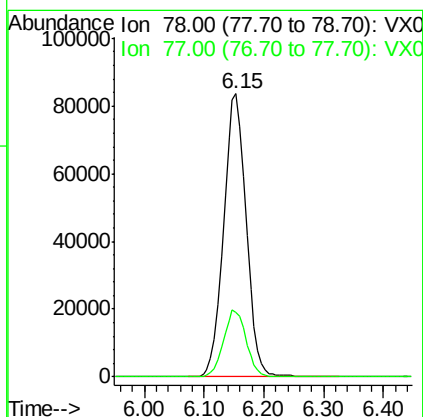
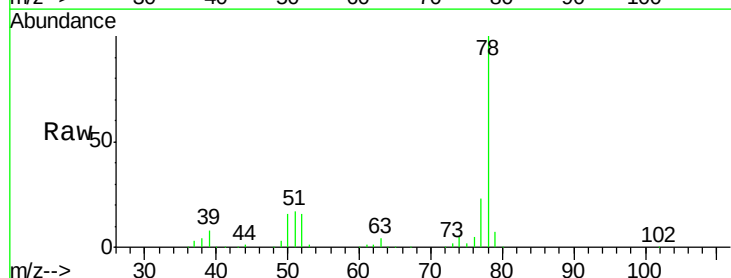
Instrument :
MSVOA_X
ClientSampleId :
VX0414WBS01

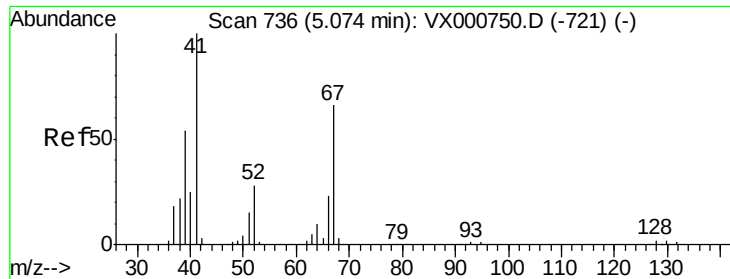
Tgt Ion: 83 Resp: 93858
Ion Ratio Lower Upper
83 100
55 76.0 61.5 92.3
98 47.1 38.1 57.1



#40
Benzene
Concen: 21.39 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

Tgt Ion: 78 Resp: 220879
Ion Ratio Lower Upper
78 100
77 22.9 19.0 28.6

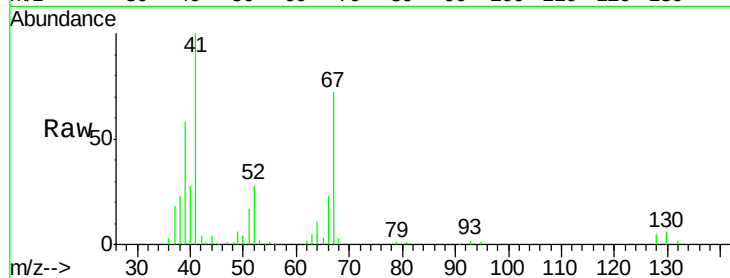




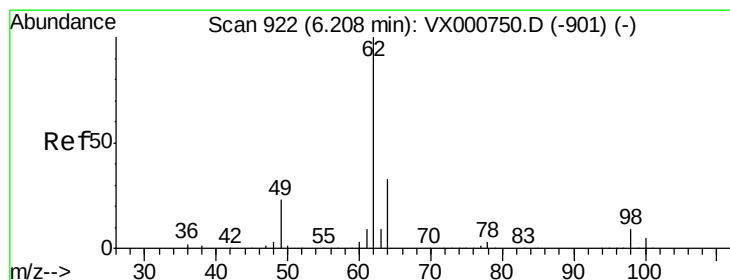
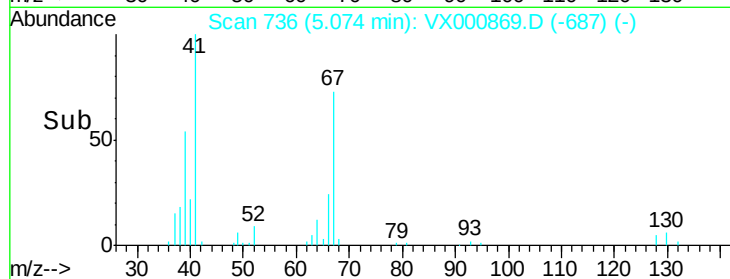
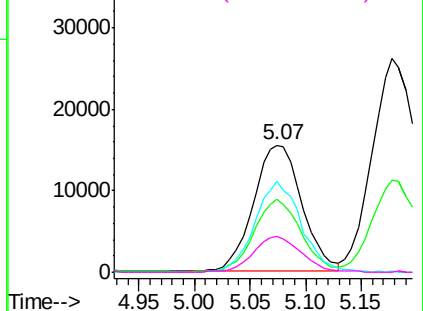
#41
Methacrylonitrile
Concen: 22.43 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBS01

Tgt Ion:	41	Resp:	47007
Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.9	67.3
67	68.9	54.7	82.1
52	28.1	23.0	34.6

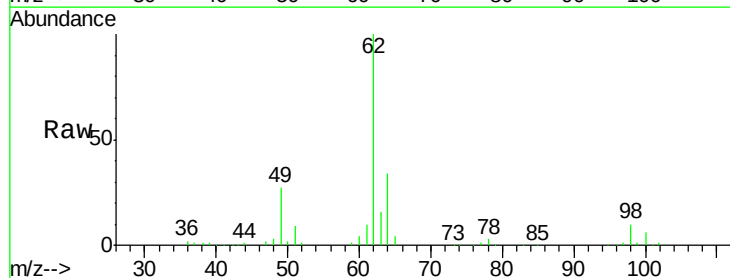


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

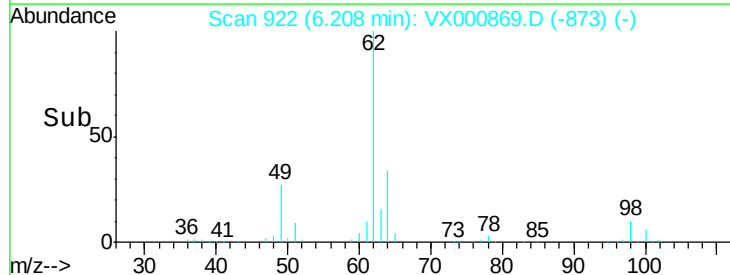
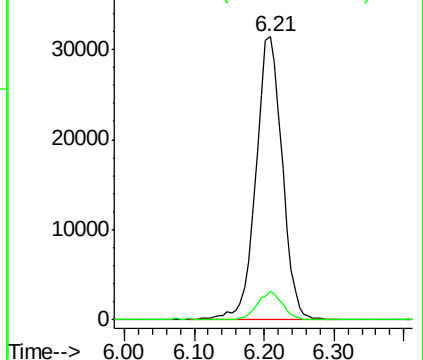


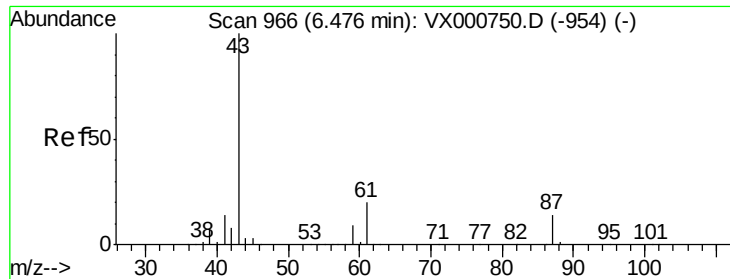
#42
1,2-Dichloroethane
Concen: 21.35 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

Tgt Ion:	62	Resp:	82325
Ion	Ratio	Lower	Upper
62	100		
98	9.6	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: 21.02 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBS01

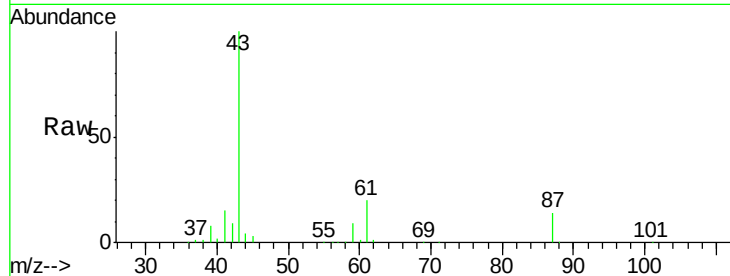
Tgt Ion: 43 Resp: 130739

Ion Ratio Lower Upper

43 100

61 19.9 15.6 23.4

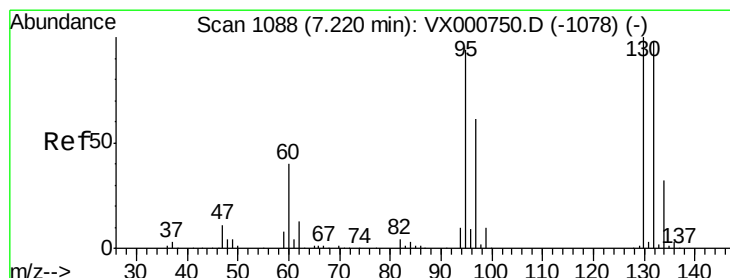
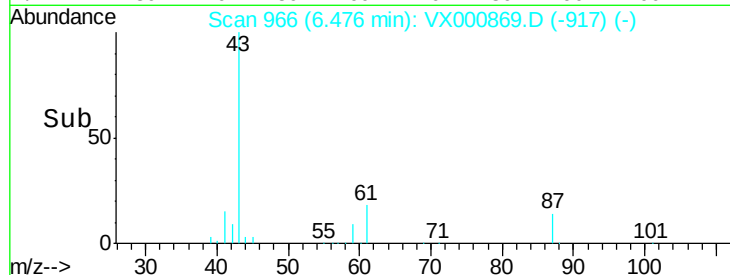
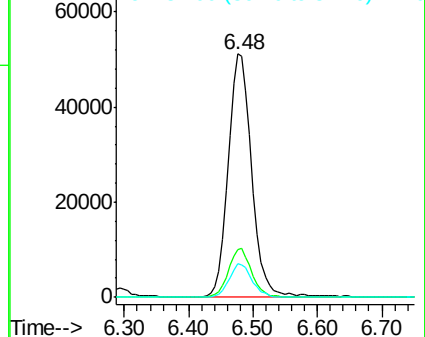
87 13.4 10.7 16.1



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: 21.27 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX000869.D

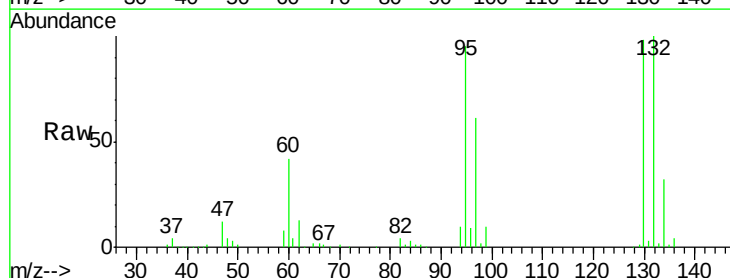
Acq: 14 Apr 2018 12:34

Tgt Ion: 130 Resp: 68288

Ion Ratio Lower Upper

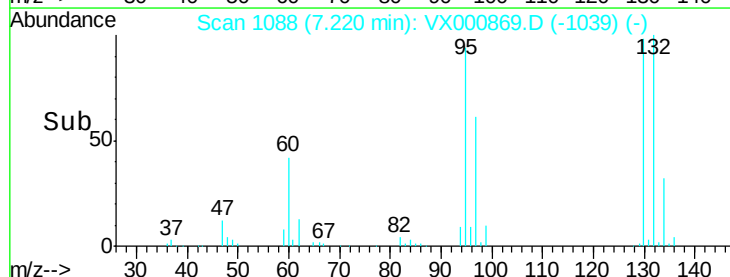
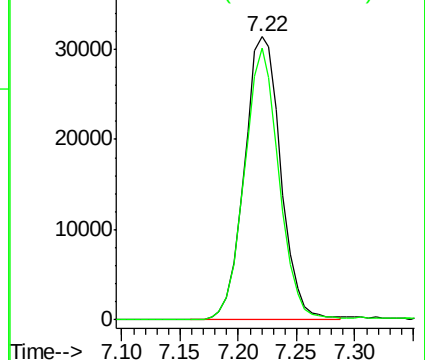
130 100

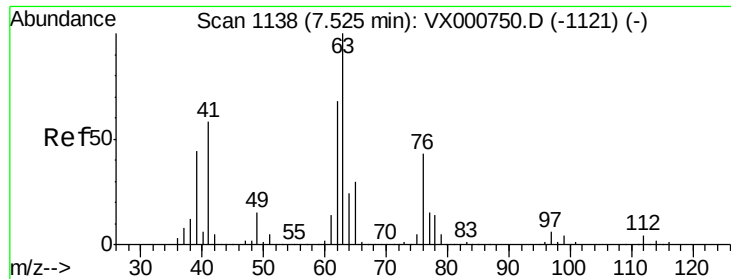
95 96.1 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

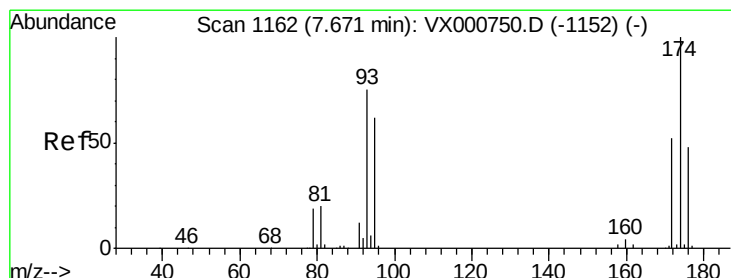
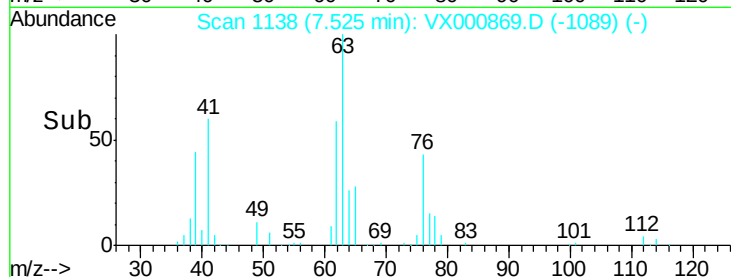
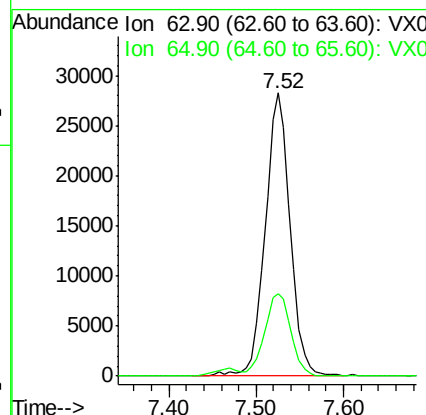
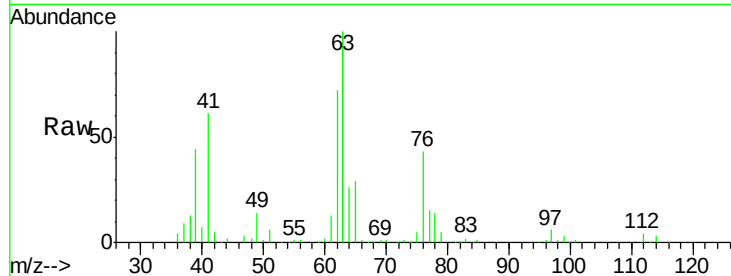




#45
 1,2-Dichloropropane
 Concen: 21.44 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000869.D
 Acq: 14 Apr 2018 12:34

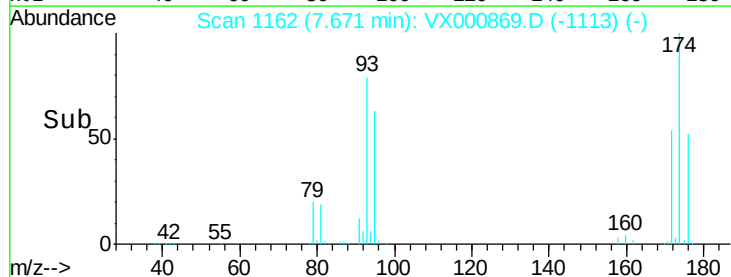
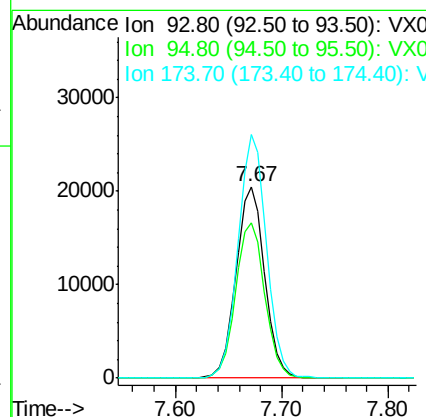
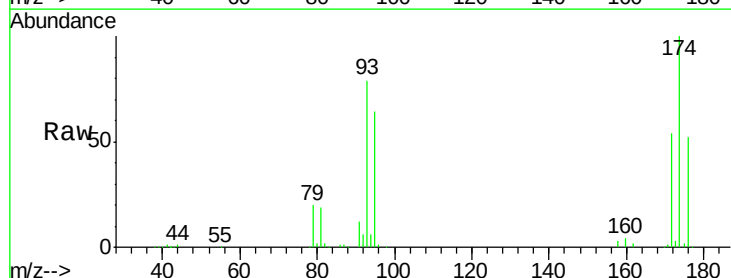
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBS01

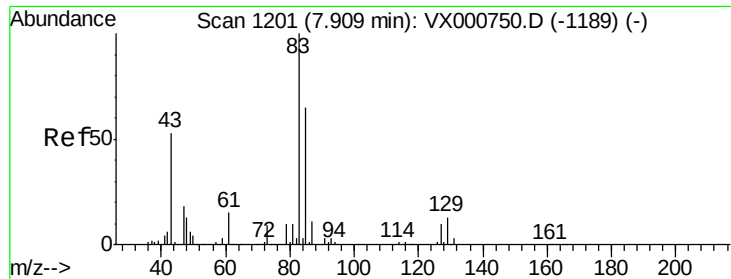
Tgt Ion: 63 Resp: 56383
 Ion Ratio Lower Upper
 63 100
 65 29.1 23.7 35.5



#46
 Dibromomethane
 Concen: 21.16 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000869.D
 Acq: 14 Apr 2018 12:34

Tgt Ion: 93 Resp: 38788
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.6 100.0
 174 126.0 104.5 156.7





#47

Bromodichloromethane

Concen: 19.92 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBS01

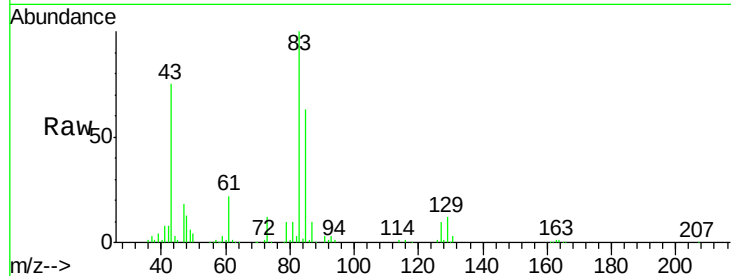
Tgt Ion: 83 Resp: 73692

Ion Ratio Lower Upper

83 100

85 63.5 52.2 78.4

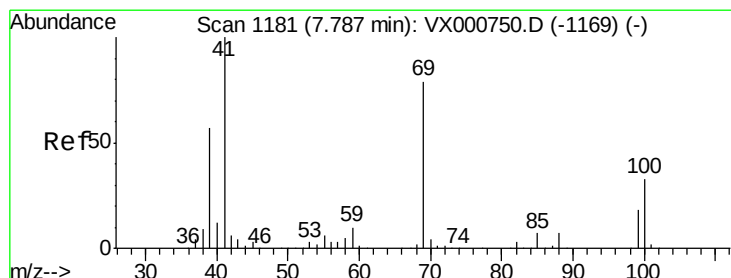
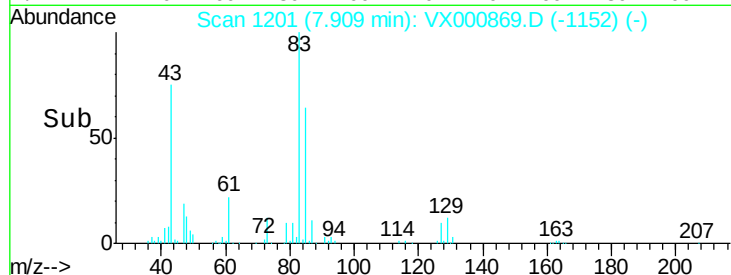
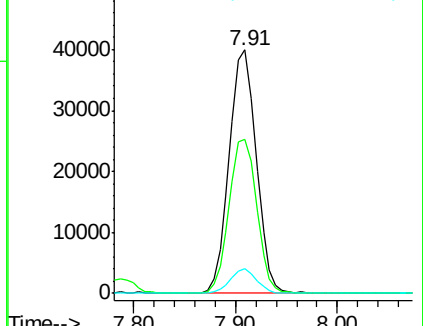
127 10.2 7.8 11.8



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: 21.34 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

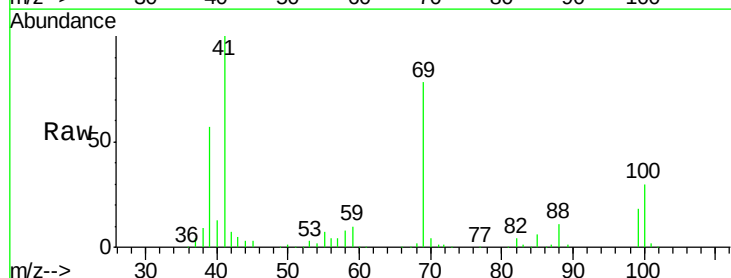
Tgt Ion: 41 Resp: 68804

Ion Ratio Lower Upper

41 100

69 81.1 63.9 95.9

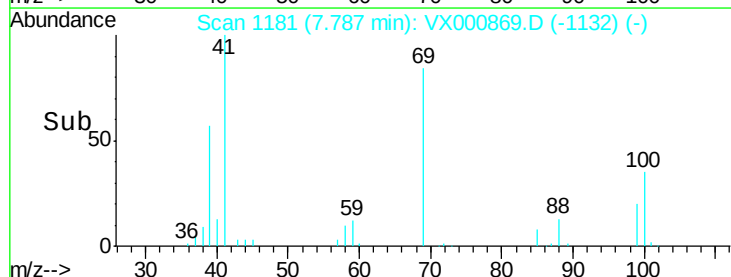
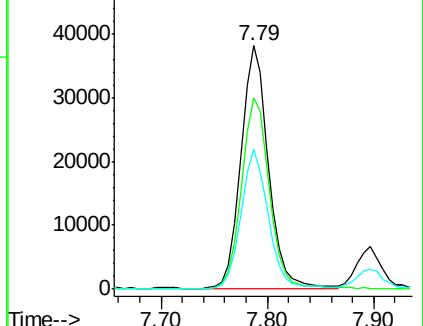
39 57.0 45.9 68.9

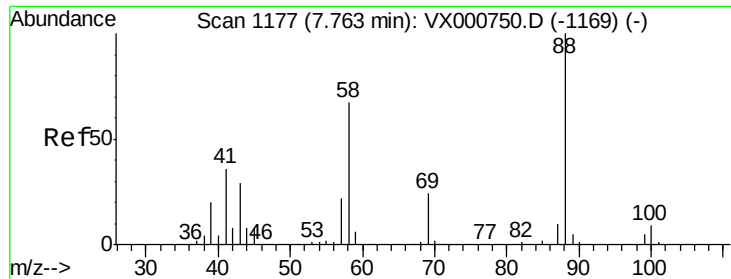


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

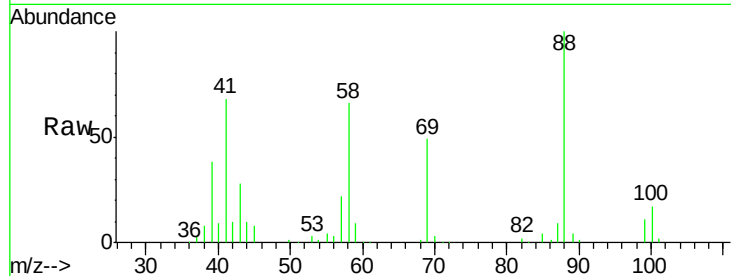




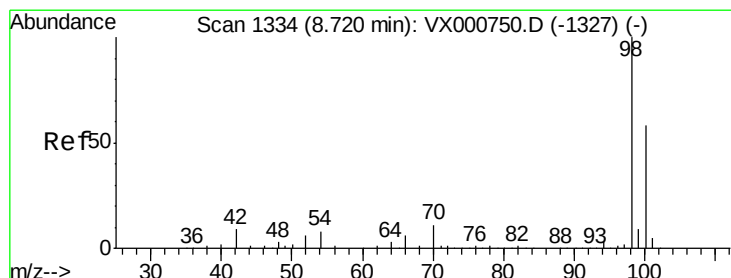
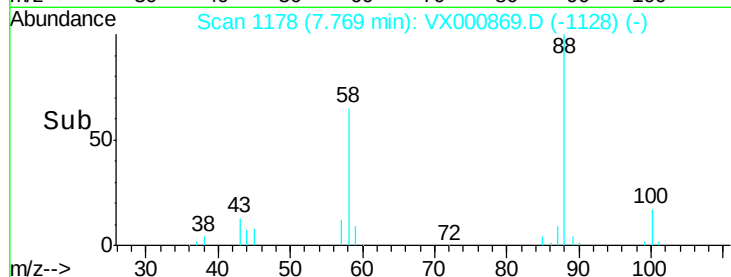
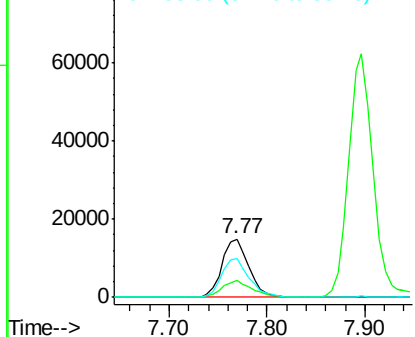
#49
1,4-Dioxane
Concen: 440.90 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBS01

Tgt Ion: 88 Resp: 28565
Ion Ratio Lower Upper
88 100
43 32.7 25.8 38.8
58 67.6 54.4 81.6

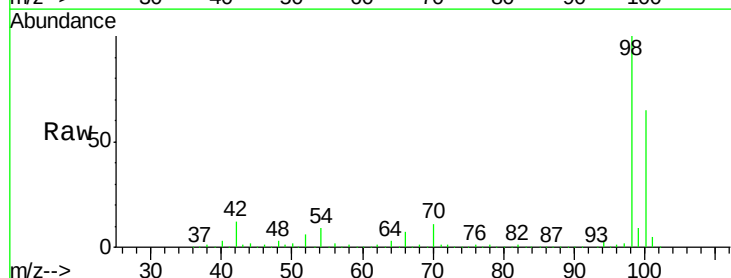


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

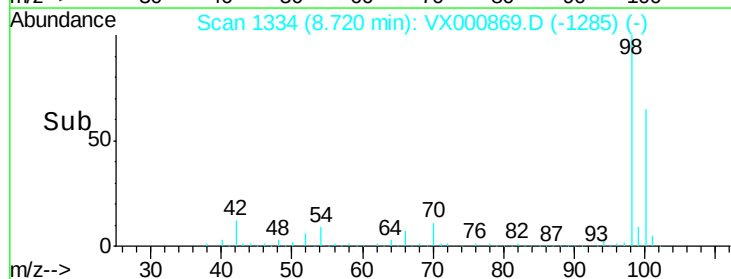
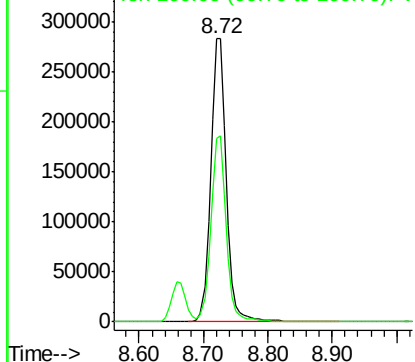


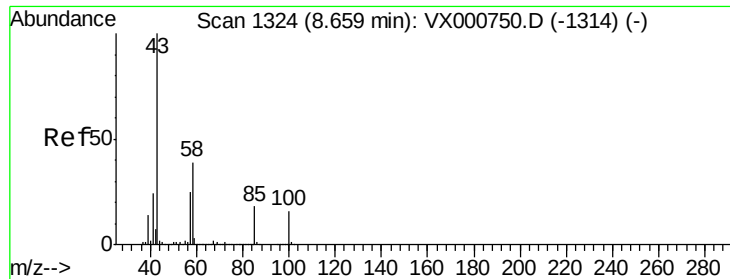
#50
Toluene-d8
Concen: 49.32 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

Tgt Ion: 98 Resp: 477363
Ion Ratio Lower Upper
98 100
100 65.0 52.6 79.0



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





#51

4-Methyl-2-Pentanone

Concen: 114.45 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

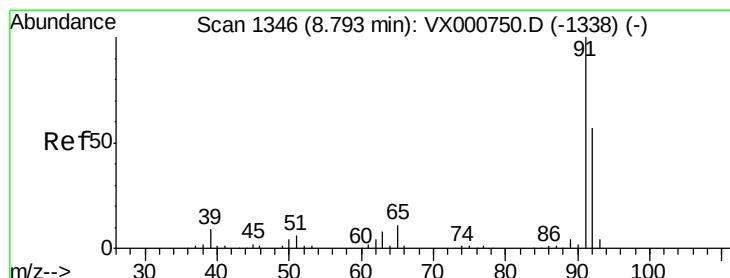
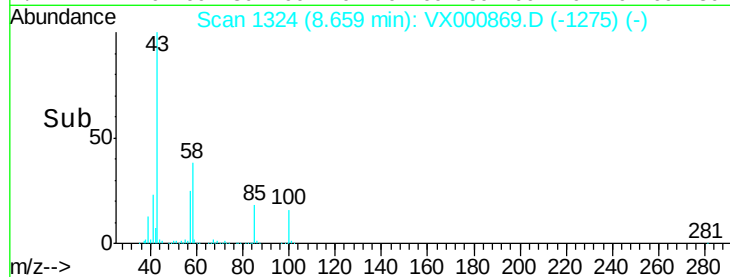
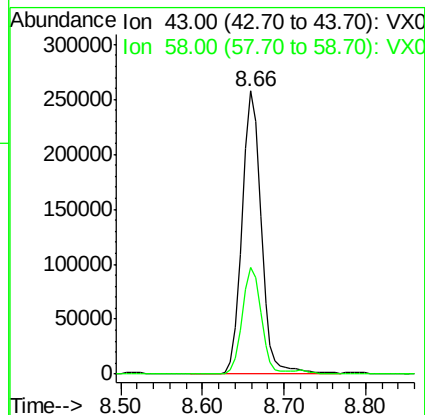
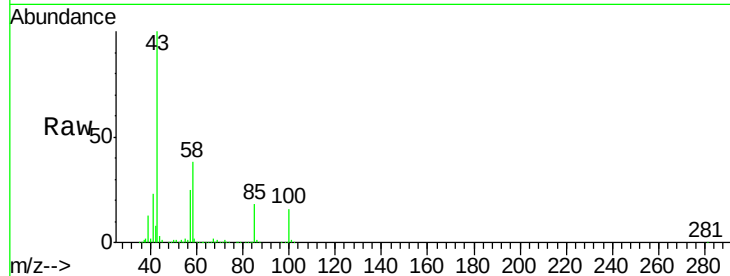
VX0414WBS01

Tgt Ion: 43 Resp: 418127

Ion Ratio Lower Upper

43 100

58 37.4 30.3 45.5



#52

Toluene

Concen: 21.17 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000869.D

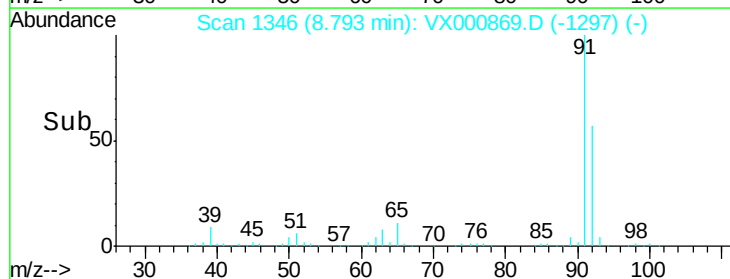
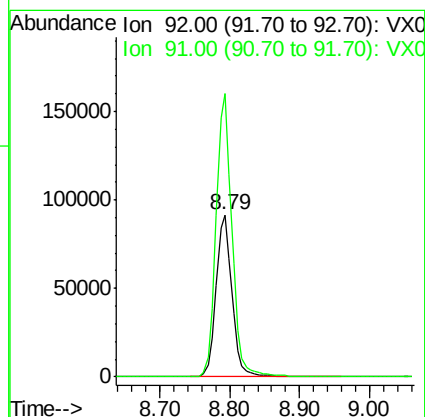
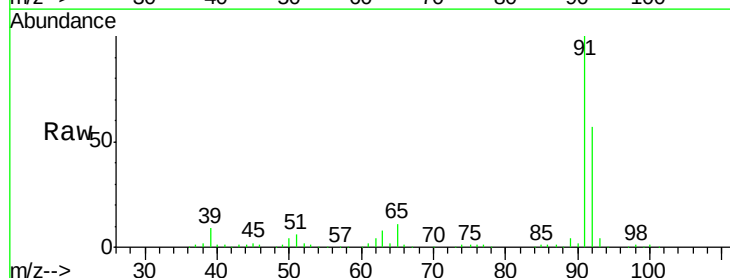
Acq: 14 Apr 2018 12:34

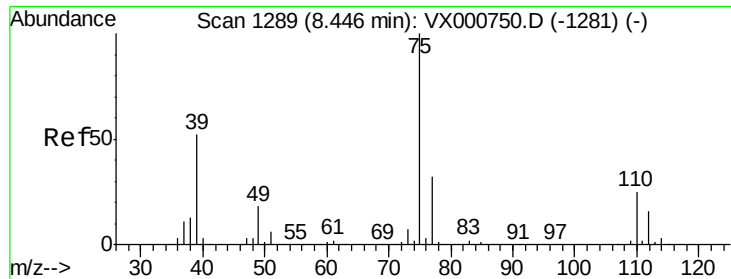
Tgt Ion: 92 Resp: 145032

Ion Ratio Lower Upper

92 100

91 174.5 139.0 208.4





#53

t-1,3-Dichloropropene

Concen: 19.90 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

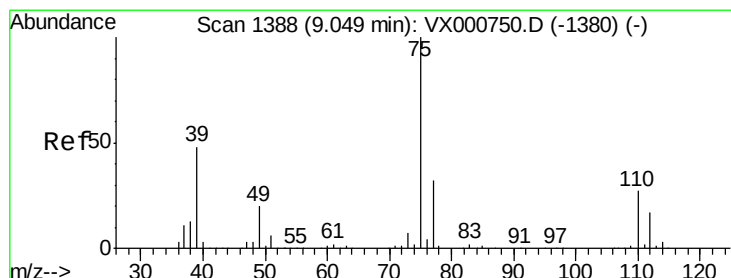
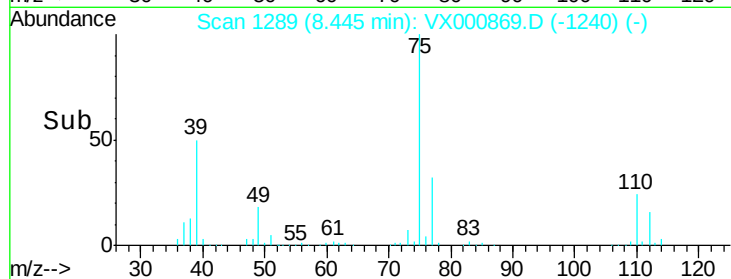
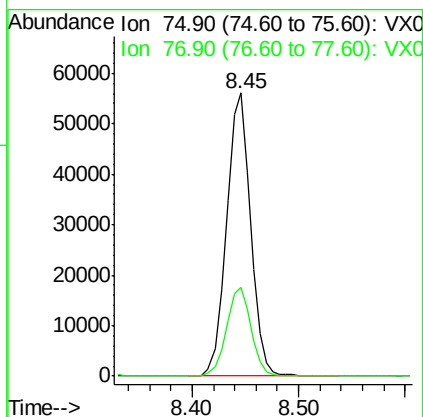
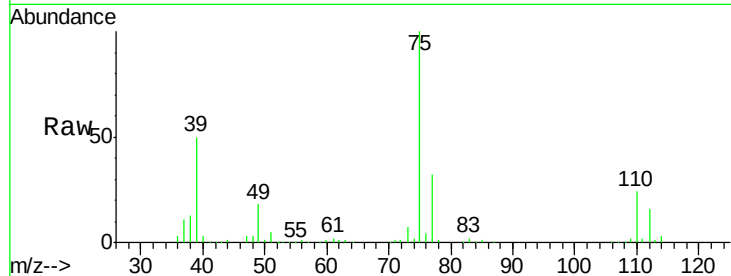
VX0414WBS01

Tgt Ion: 75 Resp: 88297

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.42 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

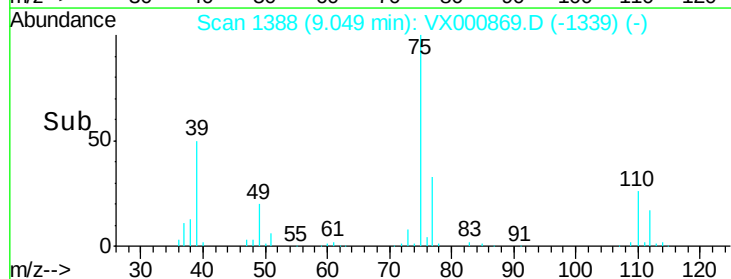
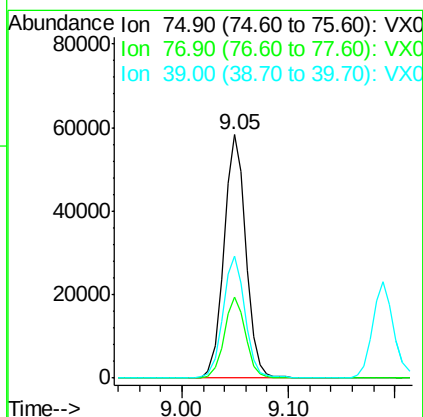
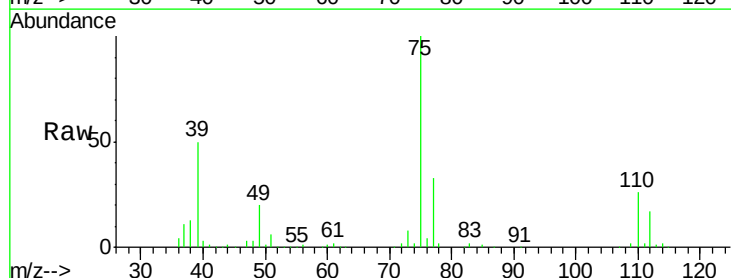
Tgt Ion: 75 Resp: 83906

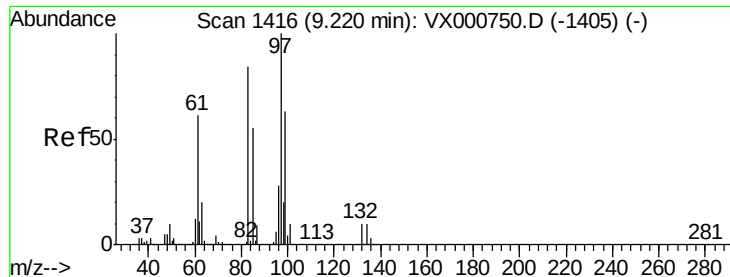
Ion Ratio Lower Upper

75 100

77 33.3 25.4 38.2

39 50.1 38.6 58.0

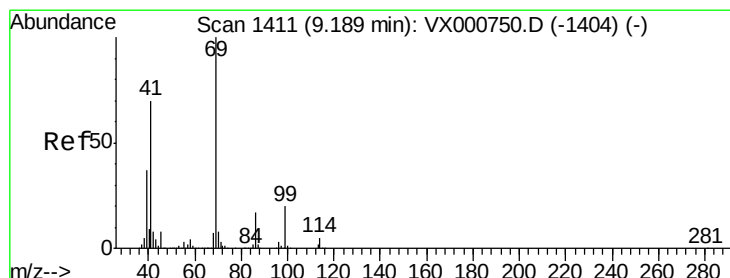
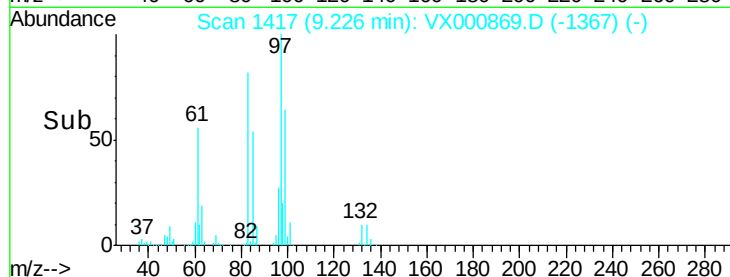
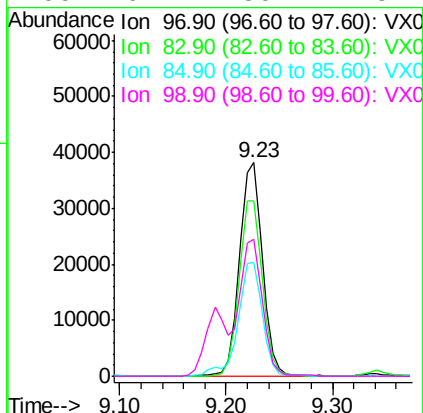
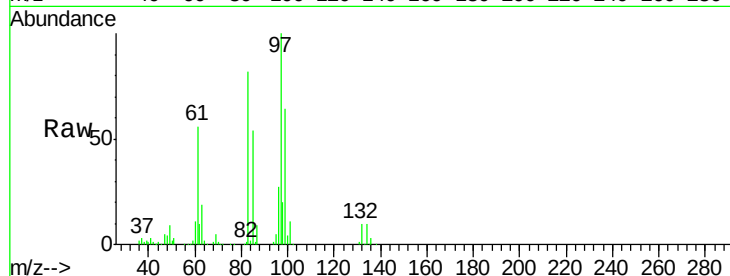




#55
 1,1,2-Trichloroethane
 Concen: 21.41 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX000869.D
 Acq: 14 Apr 2018 12:34

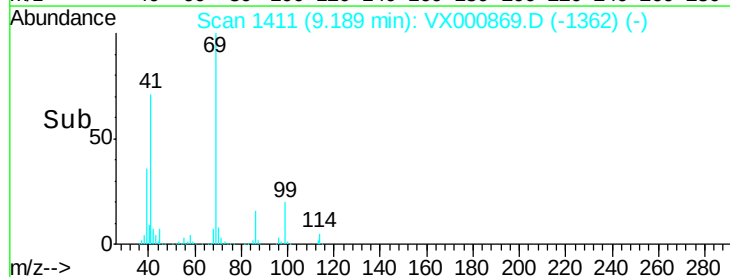
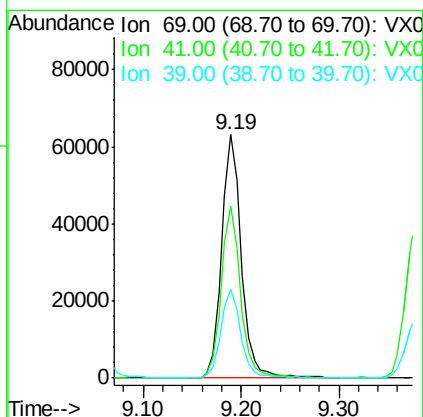
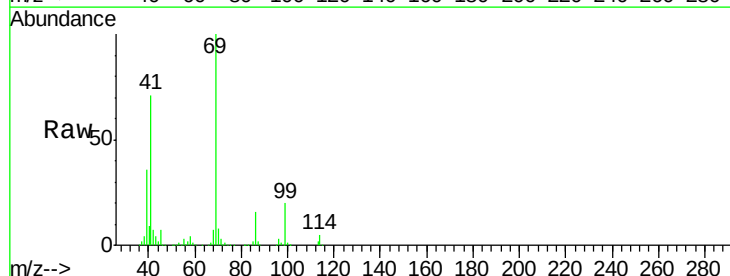
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBS01

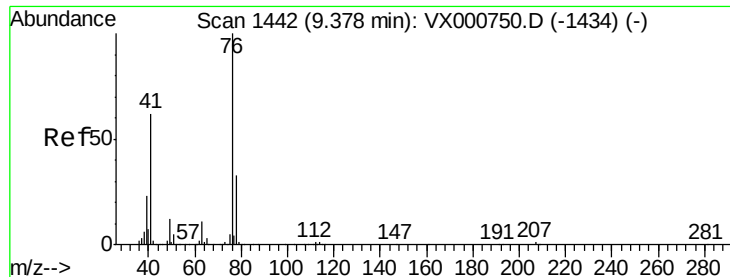
Tgt Ion:	97	Resp:	58225
Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.6	101.4
85	53.6	43.8	65.6
99	64.1	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 21.07 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000869.D
 Acq: 14 Apr 2018 12:34

Tgt Ion:	69	Resp:	88391
Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.6	83.4
39	36.8	30.3	45.5

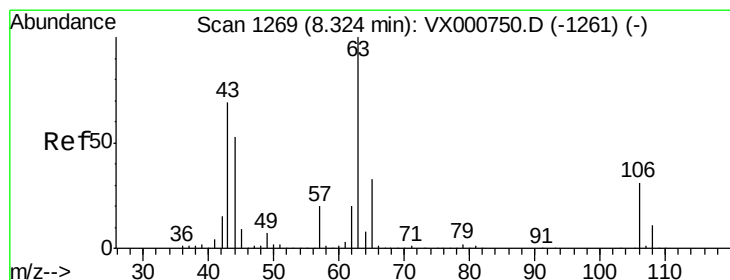
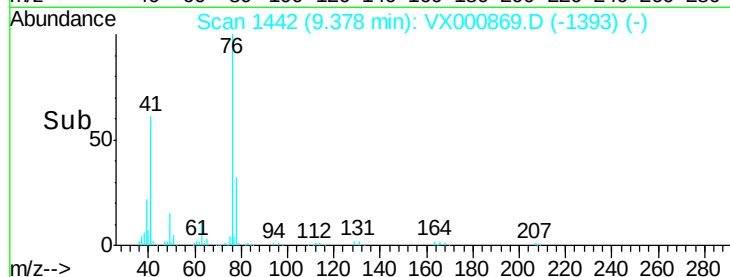
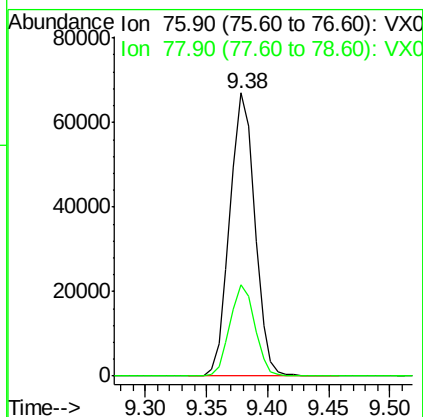
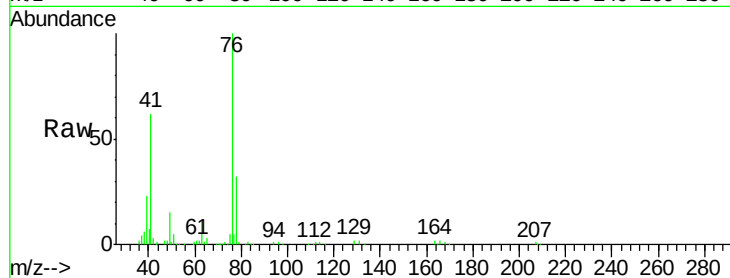




#57
 1,3-Dichloropropane
 Concen: 22.04 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000869.D
 Acq: 14 Apr 2018 12:34

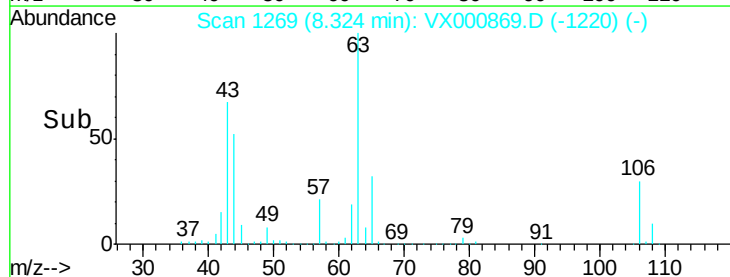
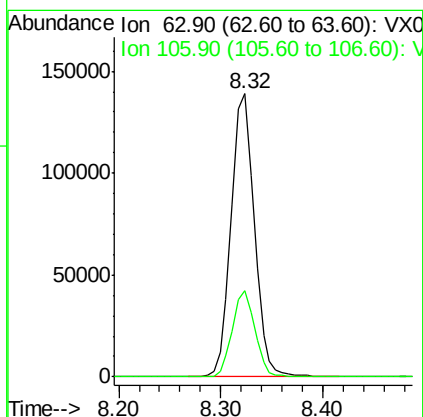
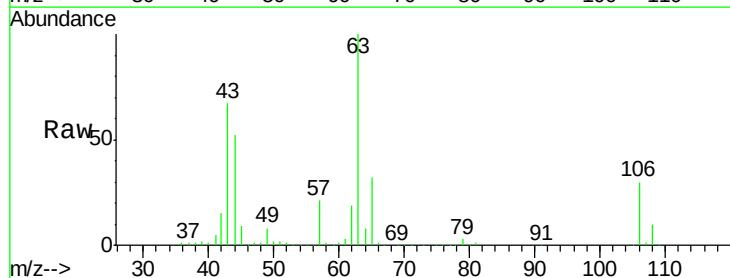
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBS01

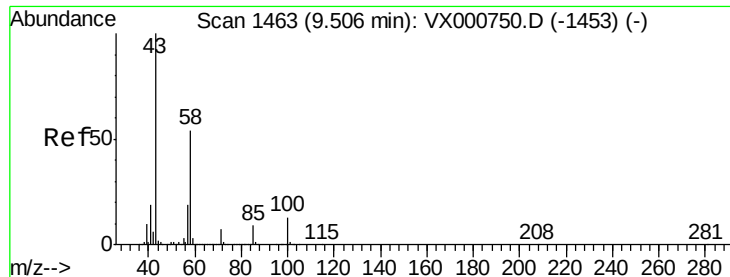
Tgt Ion: 76 Resp: 95306
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.02 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000869.D
 Acq: 14 Apr 2018 12:34

Tgt Ion: 63 Resp: 217606
 Ion Ratio Lower Upper
 63 100
 106 30.0 24.3 36.5

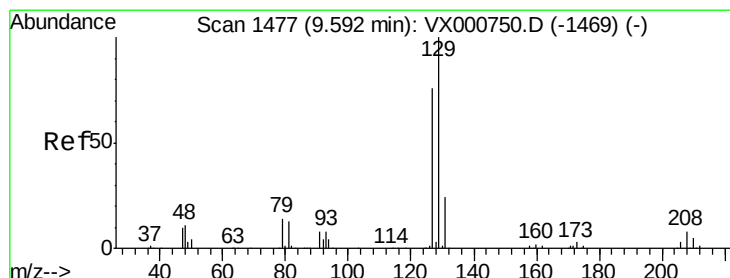
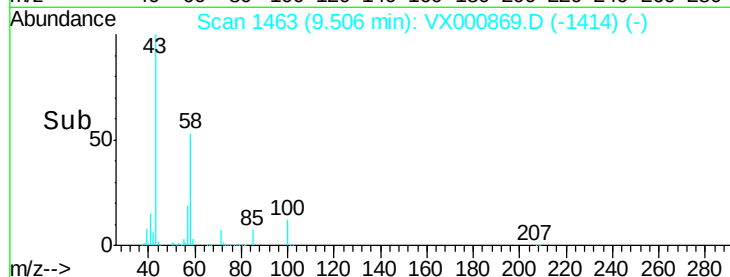
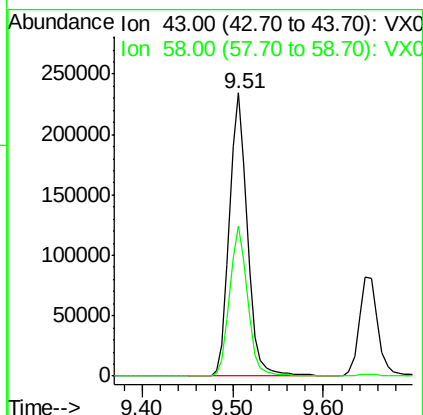
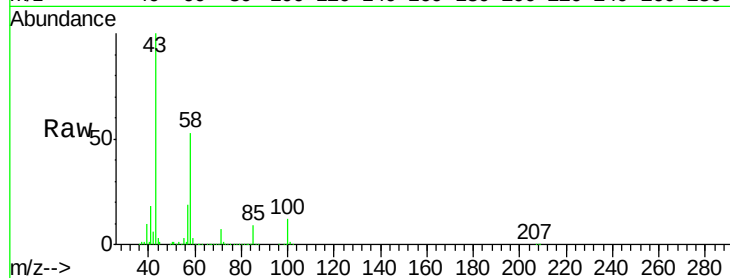




#59
2-Hexanone
Concen: 114.74 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

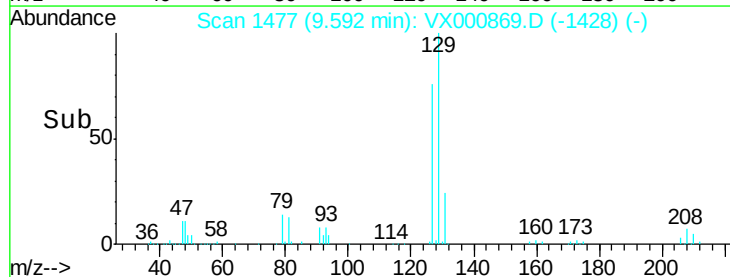
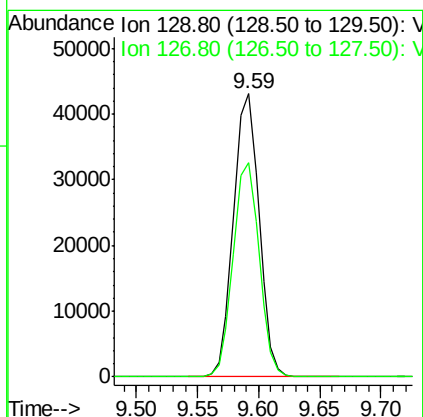
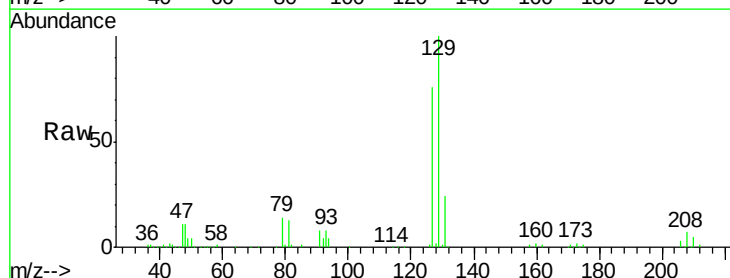
Instrument :
MSVOA_X
ClientSampled :
VX0414WBS01

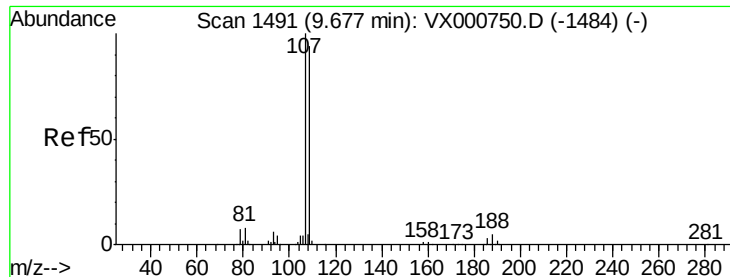
Tgt Ion: 43 Resp: 323612
Ion Ratio Lower Upper
43 100
58 53.0 26.5 79.5



#60
Dibromochloromethane
Concen: 19.22 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

Tgt Ion: 129 Resp: 62530
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.35 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

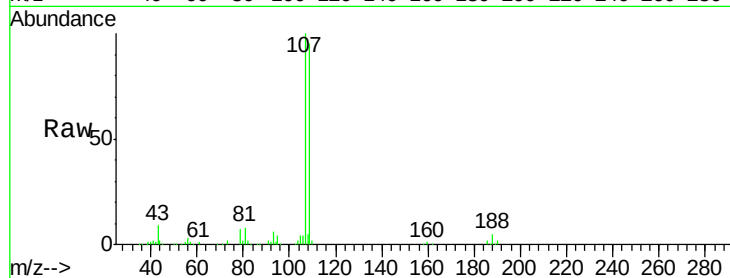
VX0414WBS01

Tgt Ion: 107 Resp: 61581

Ion Ratio Lower Upper

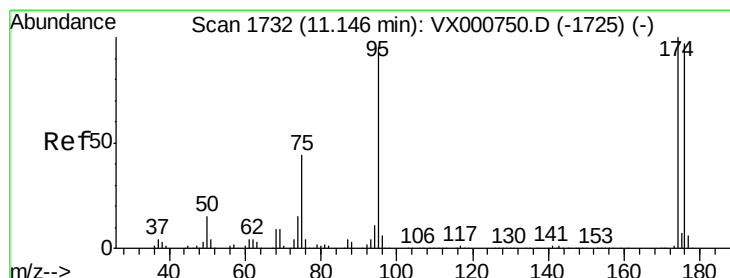
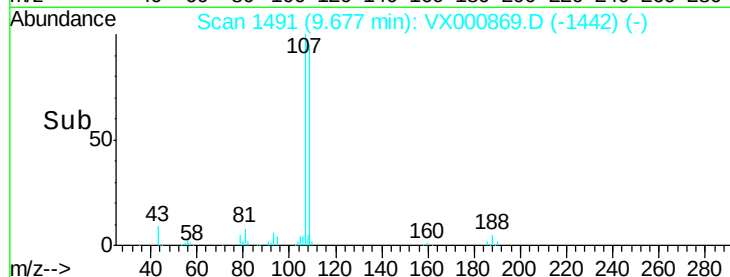
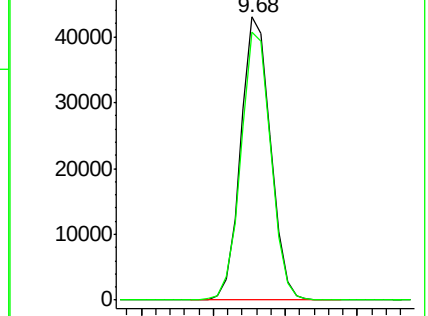
107 100

109 95.5 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: 48.53 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

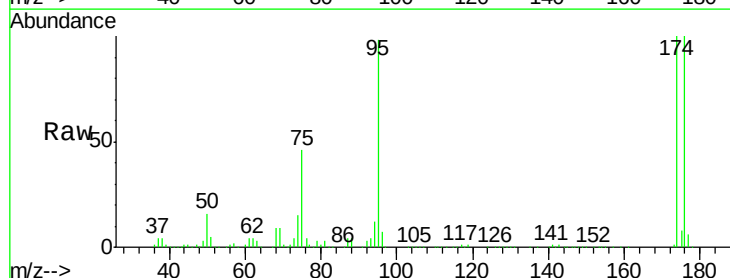
Tgt Ion: 95 Resp: 194326

Ion Ratio Lower Upper

95 100

174 97.9 0.0 198.4

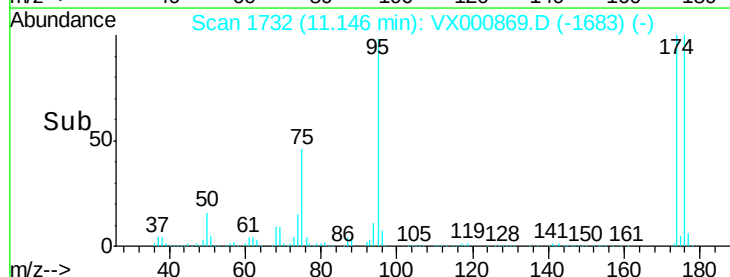
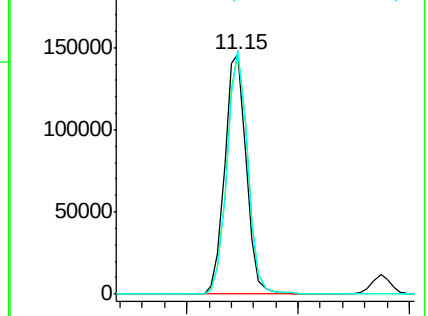
176 96.9 0.0 194.4

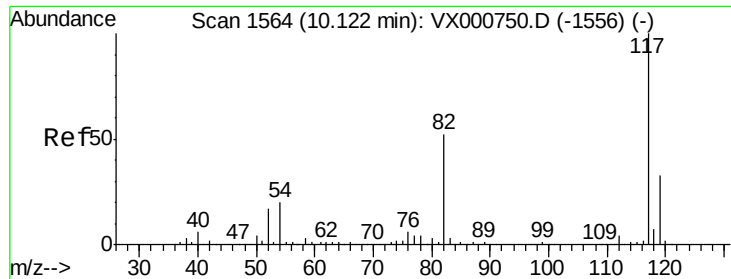


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

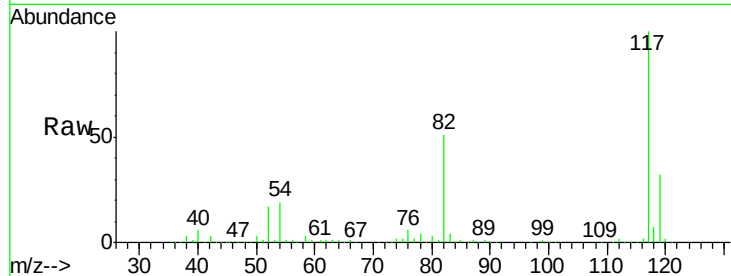




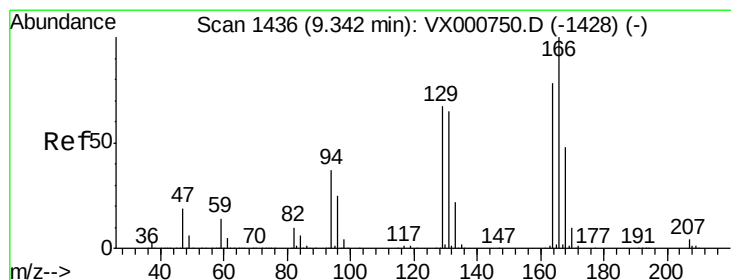
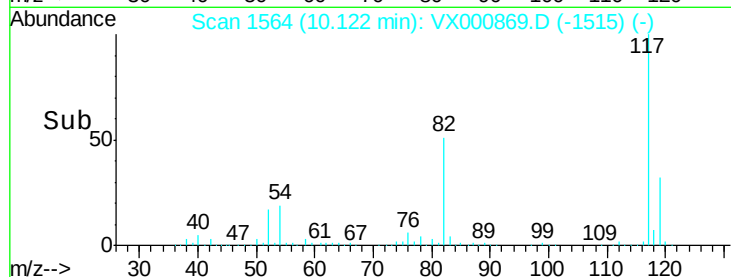
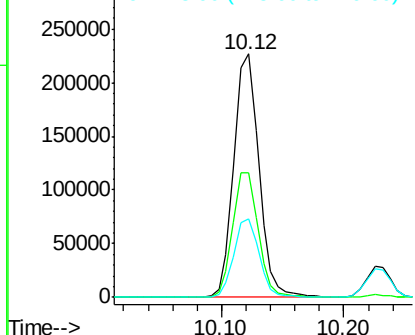
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBS01

Tgt Ion:117 Resp: 322039
Ion Ratio Lower Upper
117 100
82 51.1 41.9 62.9
119 32.4 26.0 39.0

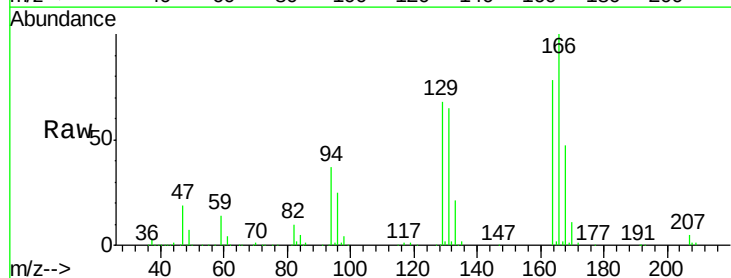


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

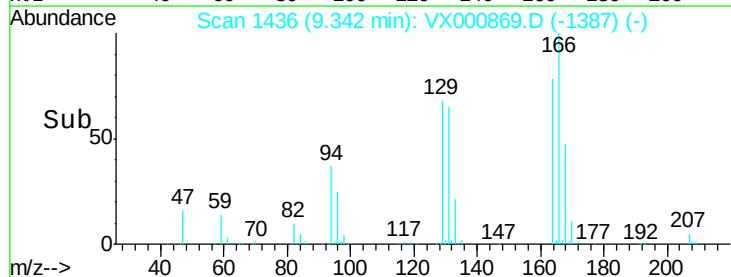
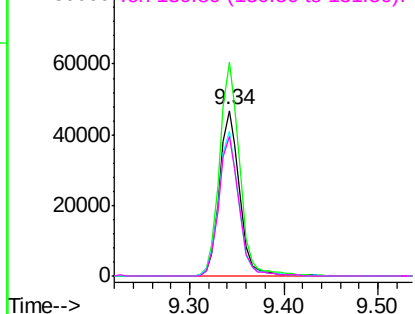


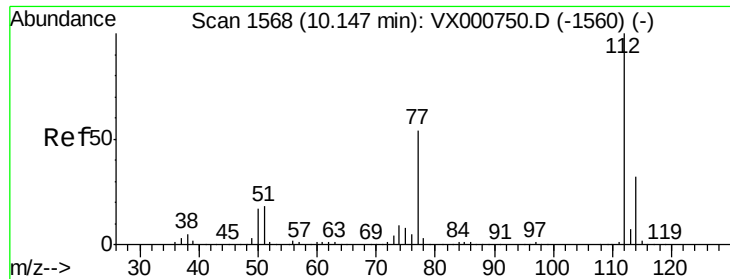
#64
Tetrachloroethene
Concen: 22.05 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

Tgt Ion:164 Resp: 69418
Ion Ratio Lower Upper
164 100
166 128.9 102.8 154.2
129 87.1 68.5 102.7
131 84.2 66.6 100.0



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





#65

Chlorobenzene

Concen: 21.14 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

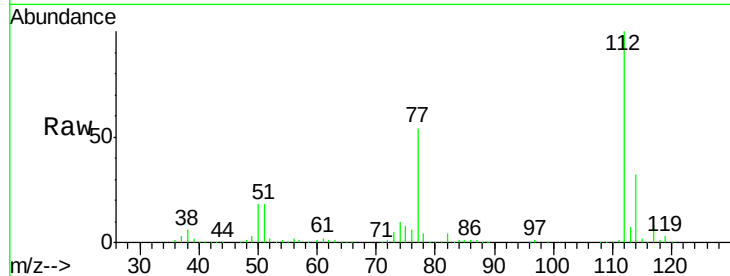
VX0414WBS01

Tgt Ion:112 Resp: 171286

Ion Ratio Lower Upper

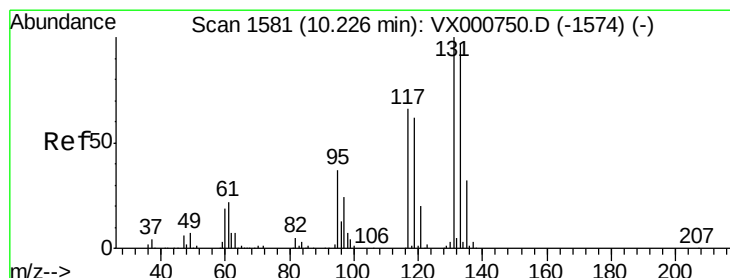
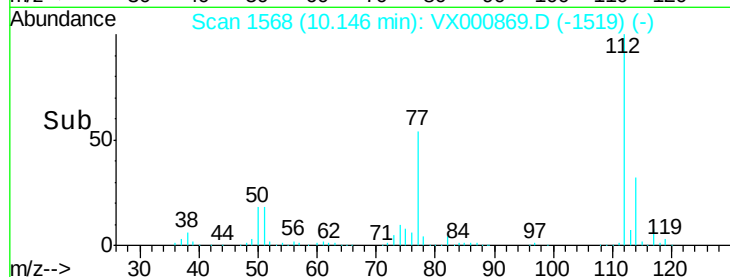
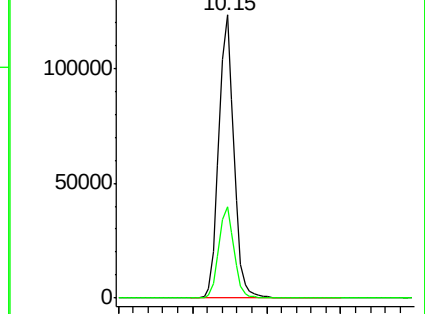
112 100

114 32.1 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.87 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

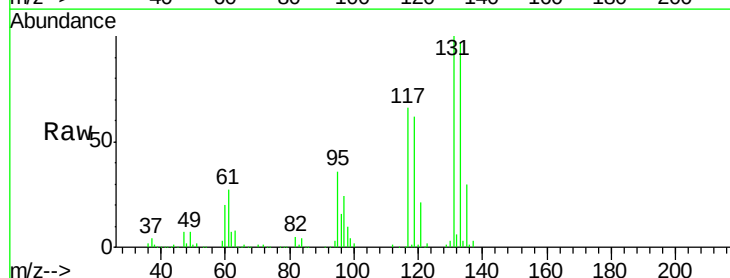
Tgt Ion:131 Resp: 60575

Ion Ratio Lower Upper

131 100

133 98.4 48.3 144.9

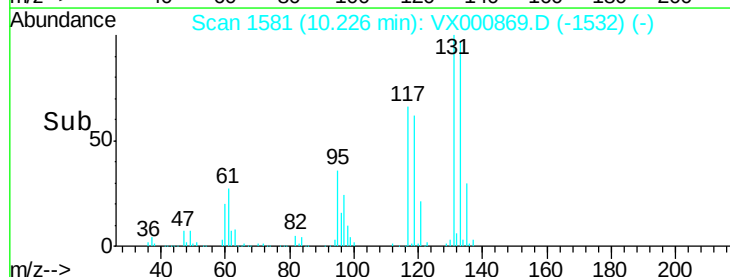
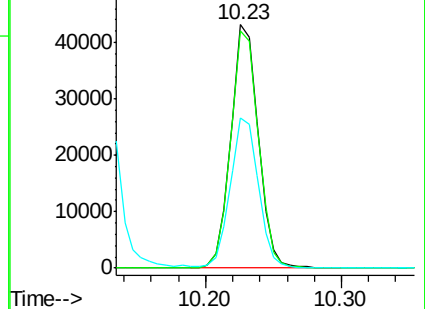
119 63.6 31.4 94.0

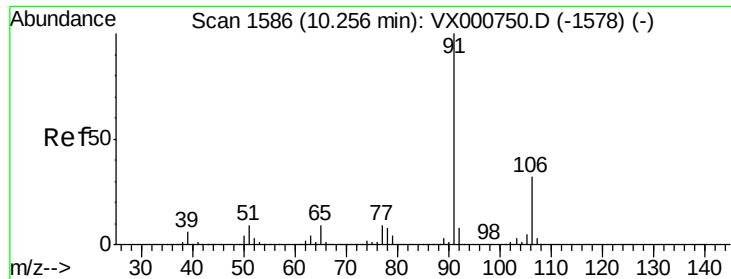


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

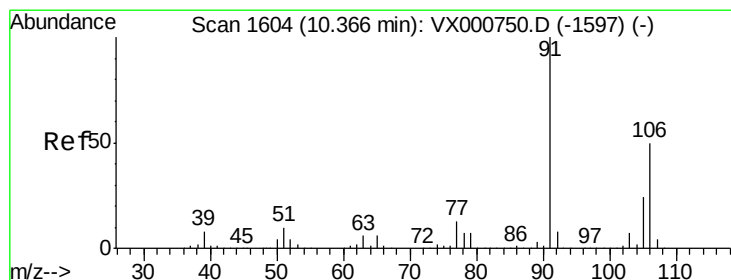
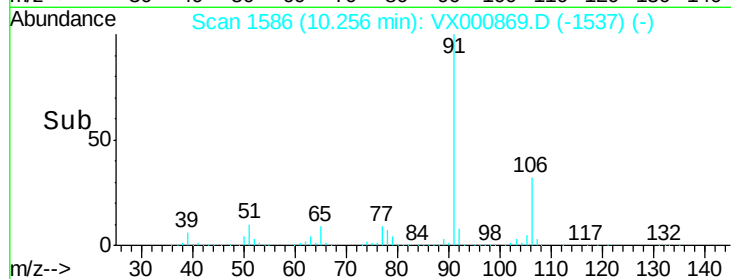
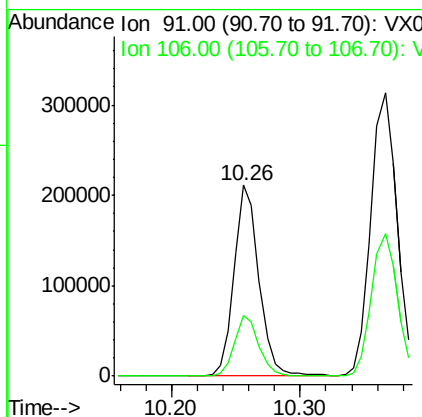
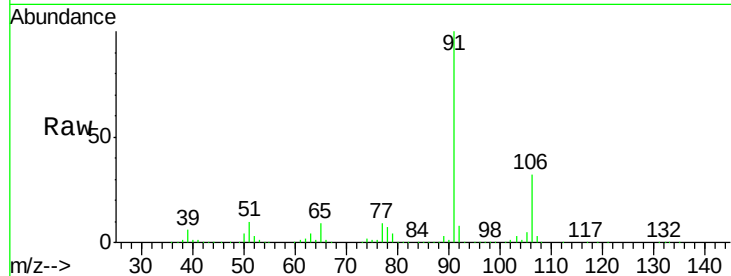




#67
Ethyl Benzene
Concen: 21.16 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

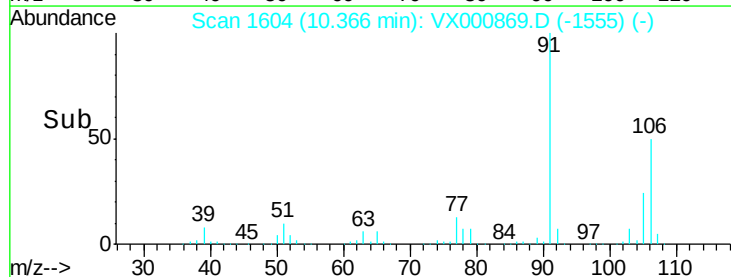
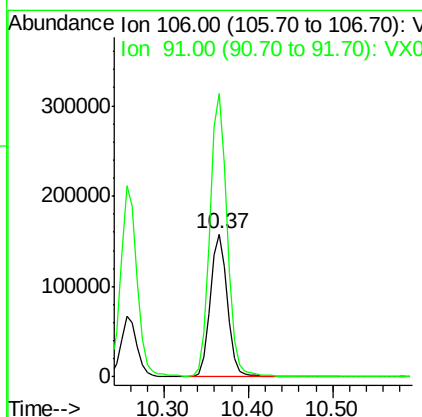
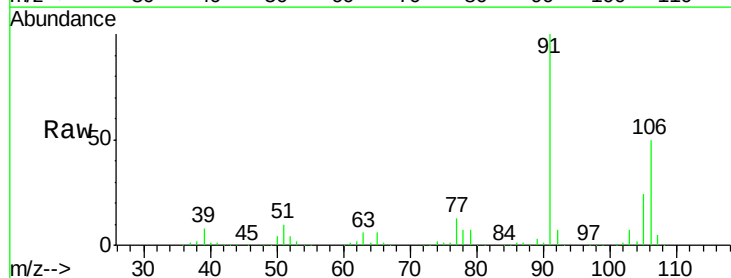
Instrument :
MSVOA_X
ClientSampleId :
VX0414WBS01

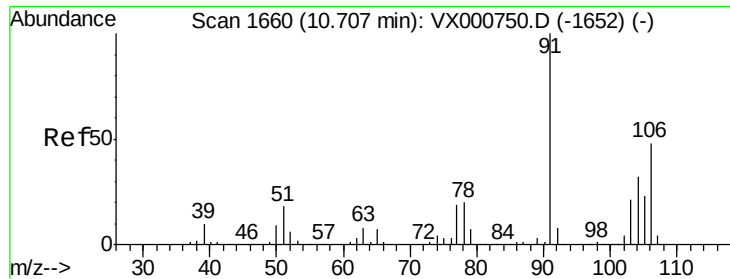
Tgt Ion: 91 Resp: 285765
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0



#68
m/p-Xylenes
Concen: 42.03 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

Tgt Ion: 106 Resp: 224091
Ion Ratio Lower Upper
106 100
91 199.8 159.3 238.9

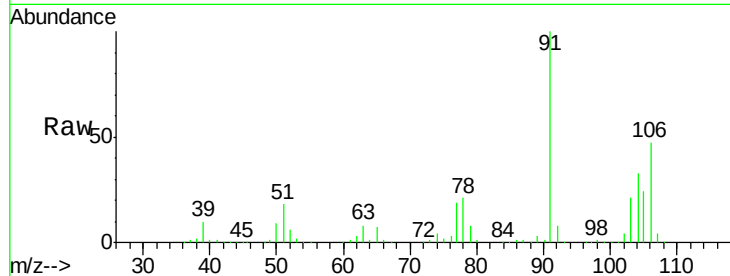




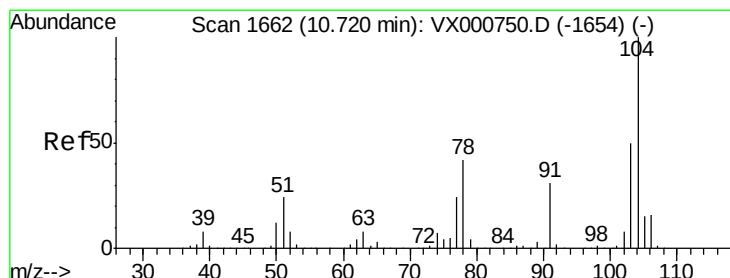
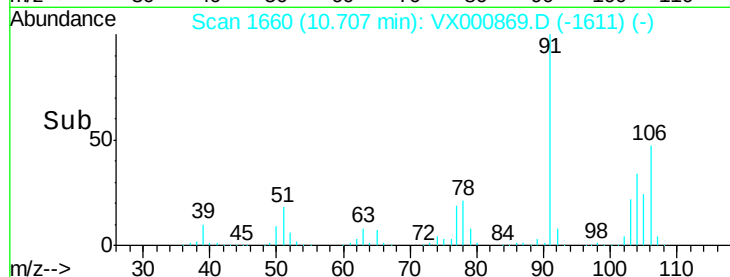
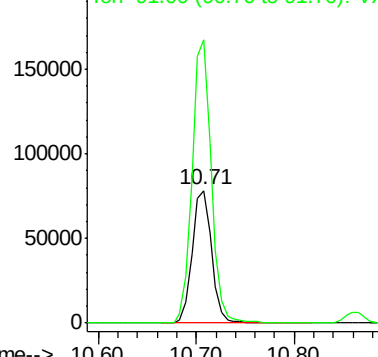
#69
o-Xylene
Concen: 21.04 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBS01

Tgt Ion:106 Resp: 108096
Ion Ratio Lower Upper
106 100
91 210.1 105.0 315.0

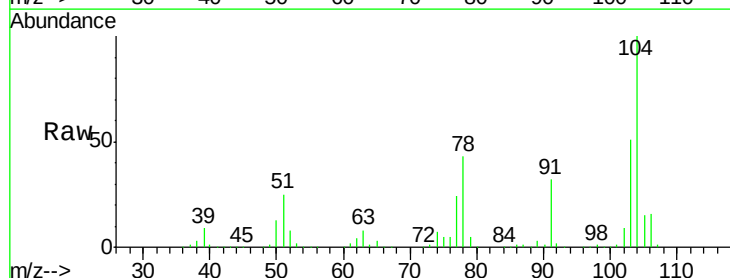


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

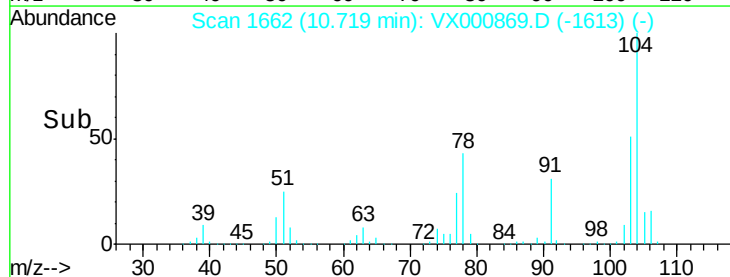
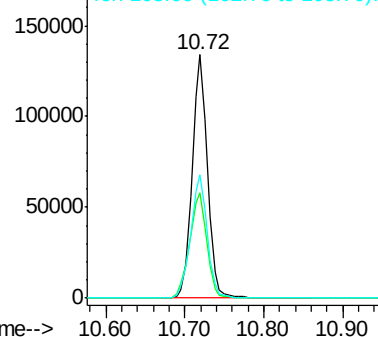


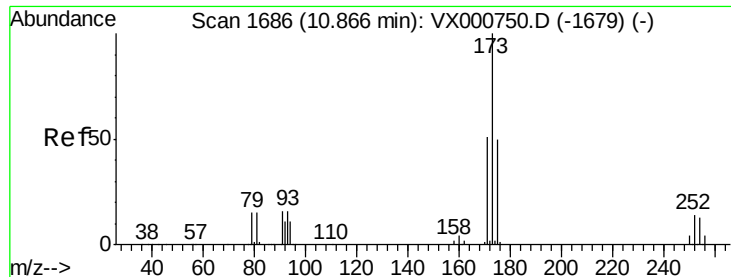
#70
Styrene
Concen: 20.92 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

Tgt Ion:104 Resp: 181244
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.6
103 55.2 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: 17.90 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

VX0414WBS01

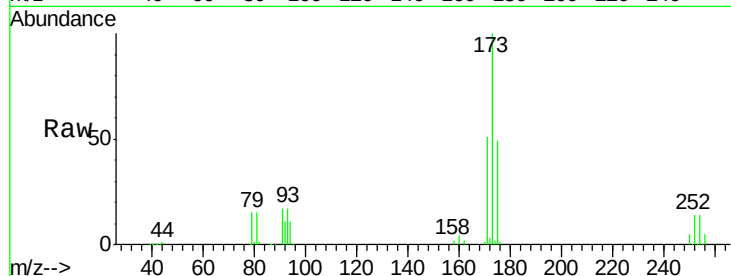
Tgt Ion:173 Resp: 50528

Ion Ratio Lower Upper

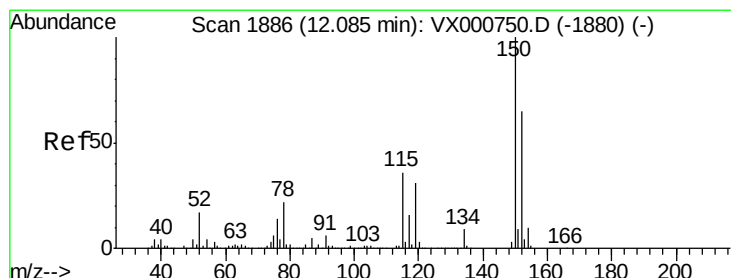
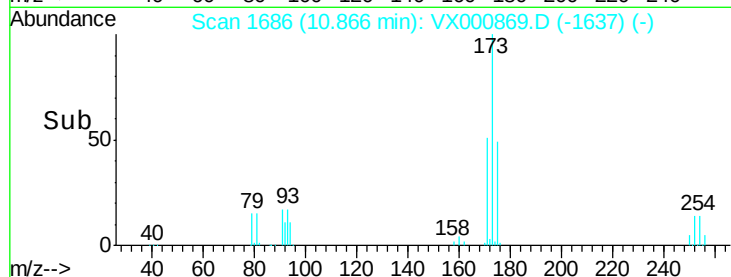
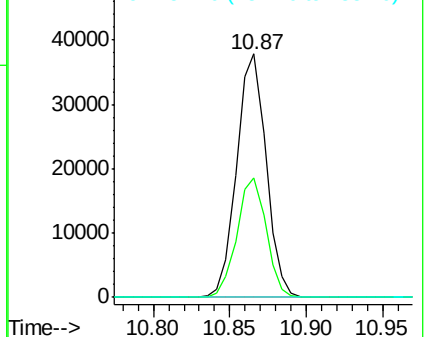
173 100

175 49.1 24.5 73.5

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

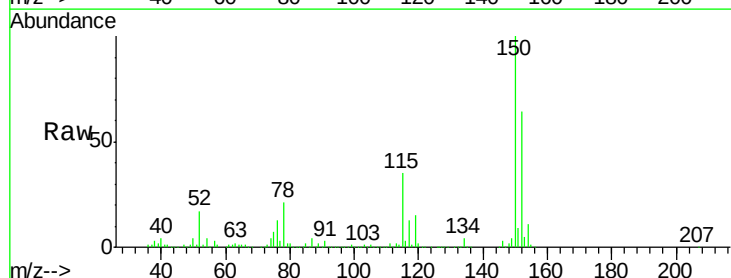
Tgt Ion:152 Resp: 220964

Ion Ratio Lower Upper

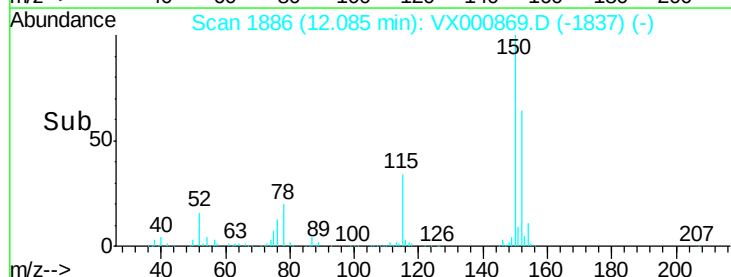
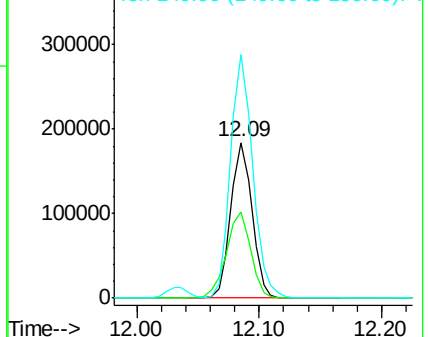
152 100

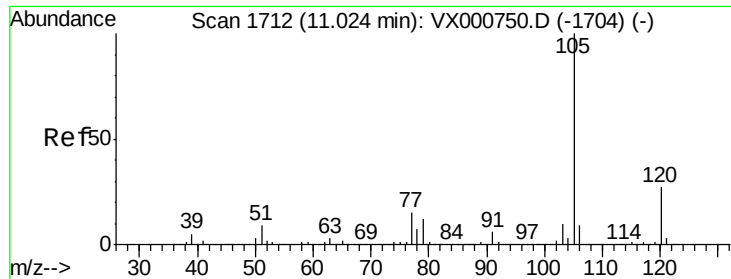
115 63.4 37.9 113.7

150 163.9 0.0 348.0



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





#73

Isopropylbenzene

Concen: 21.13 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

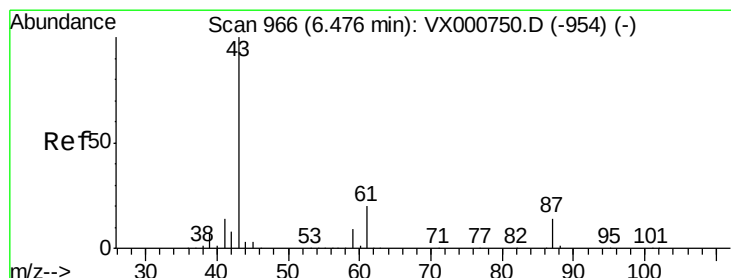
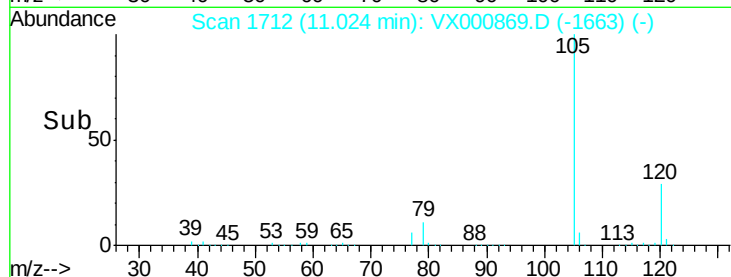
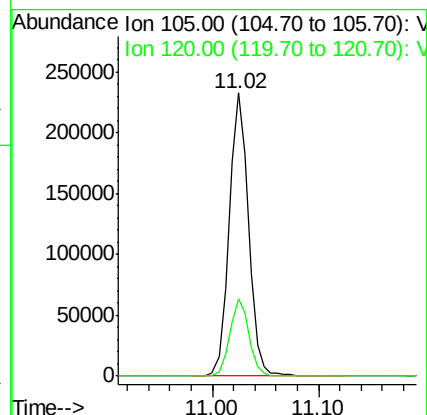
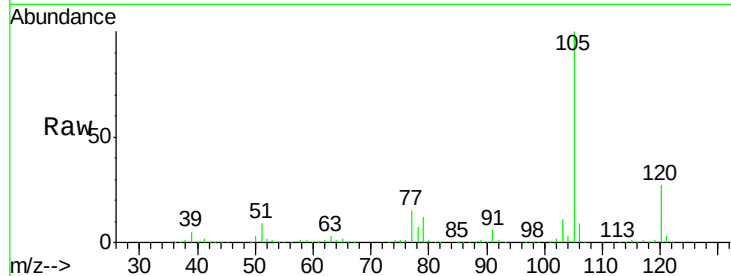
VX0414WBS01

Tgt Ion:105 Resp: 296267

Ion Ratio Lower Upper

105 100

120 27.2 13.7 41.0



#74

N-ethyl acetate

Concen: 20.71 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Tgt Ion: 43 Resp: 130739

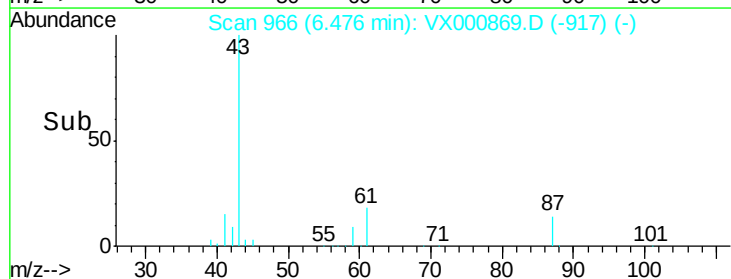
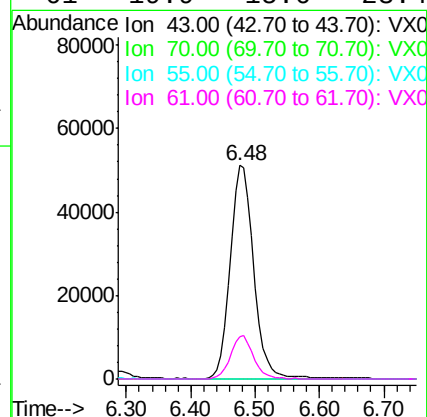
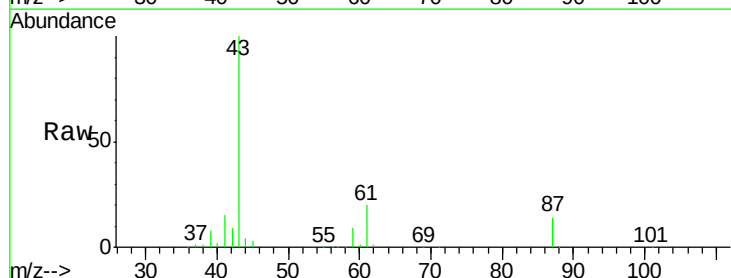
Ion Ratio Lower Upper

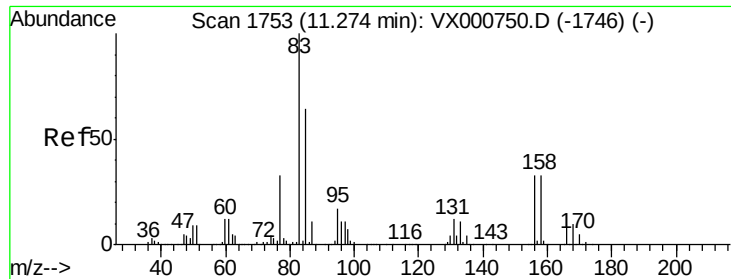
43 100

70 0.0 0.0 0.0

55 0.2 0.0 0.0#

61 19.9 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.08 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBS01

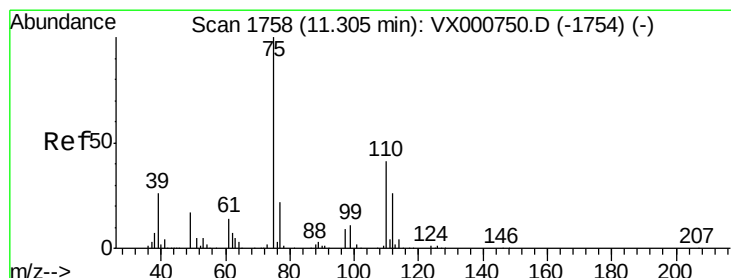
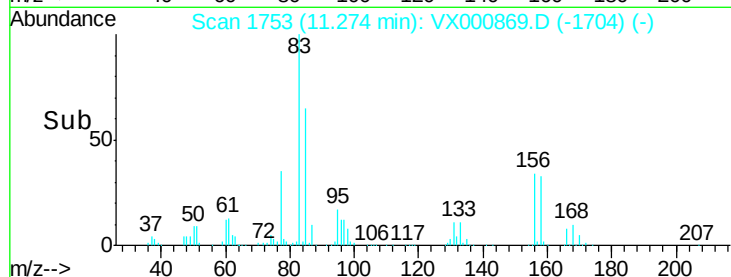
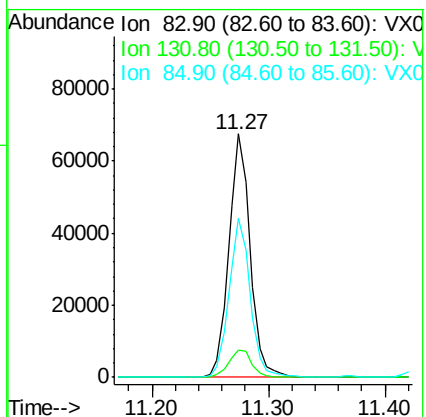
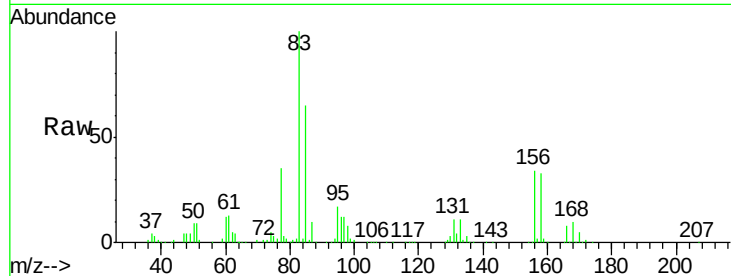
Tgt Ion: 83 Resp: 85760

Ion Ratio Lower Upper

83 100

131 11.9 6.0 18.0

85 65.2 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 26.39 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000869.D

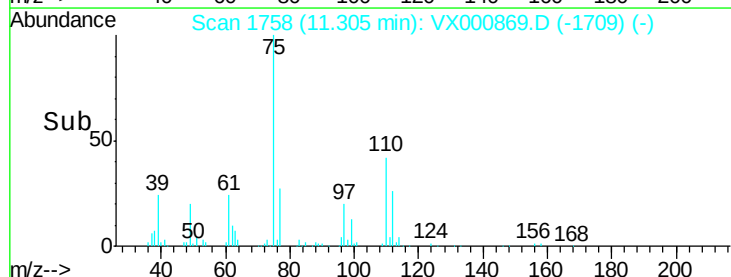
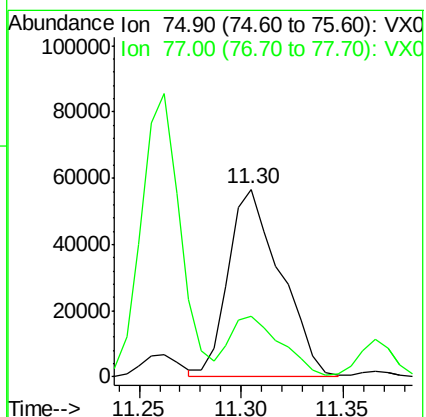
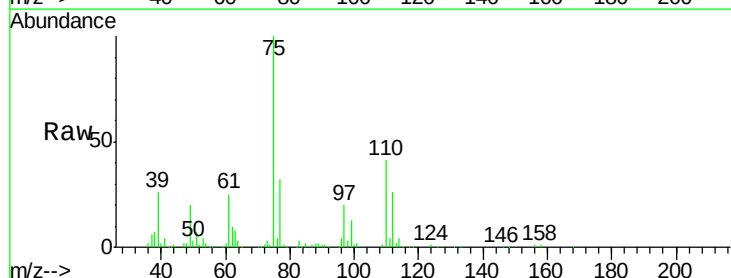
Acq: 14 Apr 2018 12:34

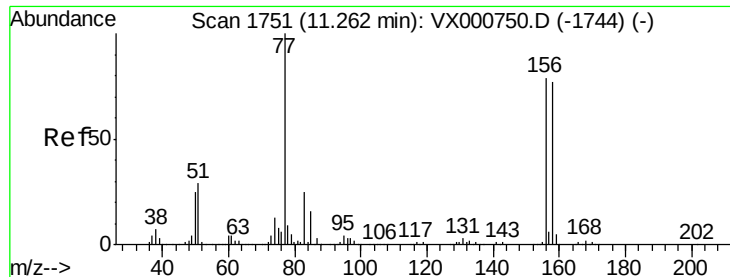
Tgt Ion: 75 Resp: 100550

Ion Ratio Lower Upper

75 100

77 31.9 20.5 61.5





#77

Bromobenzene

Concen: 20.67 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

VX0414WBS01

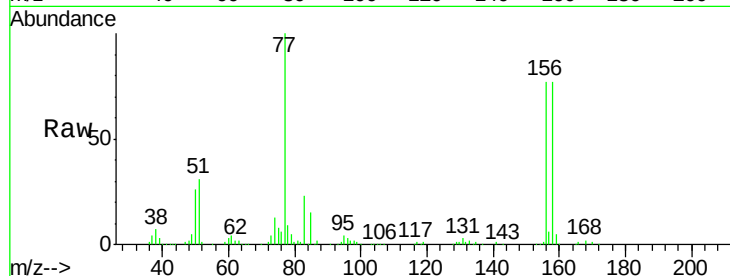
Tgt Ion:156 Resp: 84910

Ion Ratio Lower Upper

156 100

77 132.8 66.0 198.2

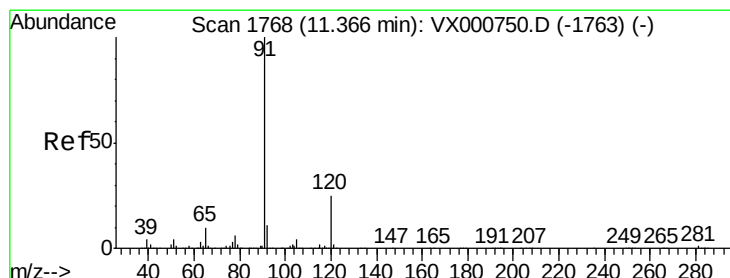
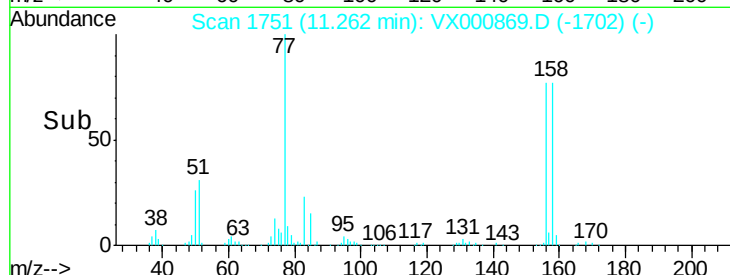
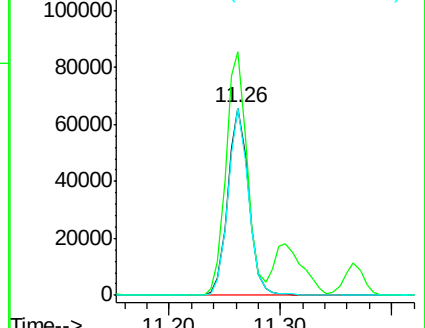
158 97.9 48.8 146.4



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: 21.15 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000869.D

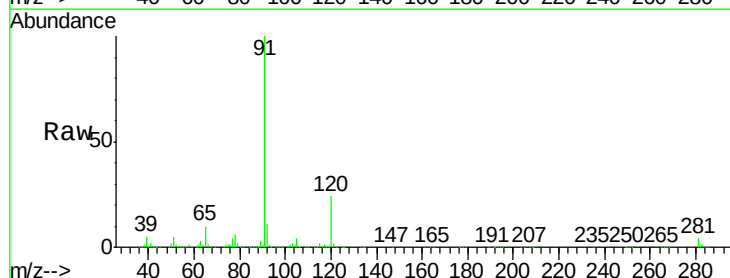
Acq: 14 Apr 2018 12:34

Tgt Ion: 91 Resp: 339155

Ion Ratio Lower Upper

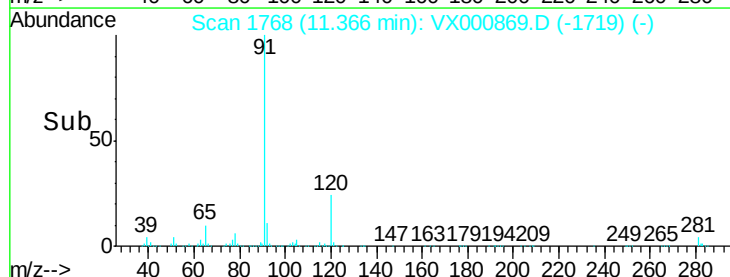
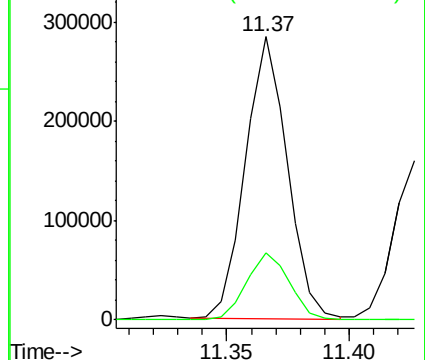
91 100

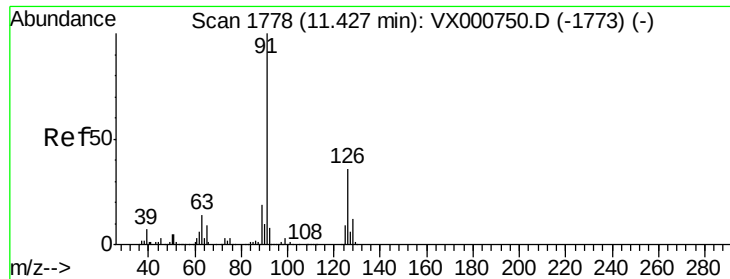
120 24.8 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.05 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

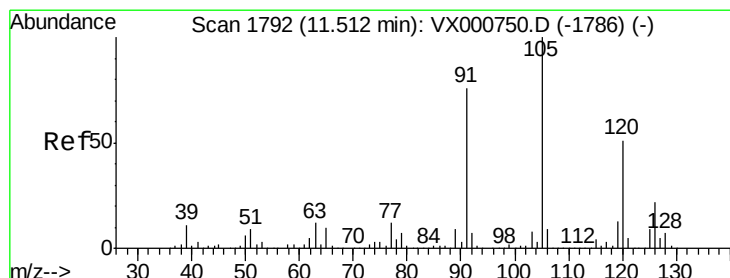
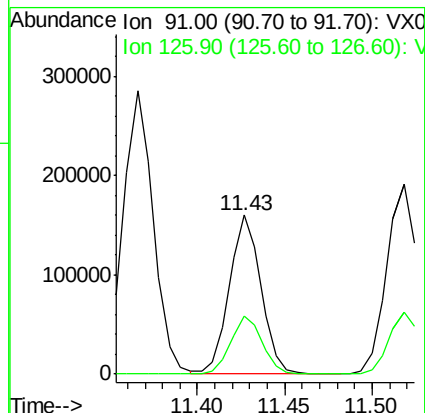
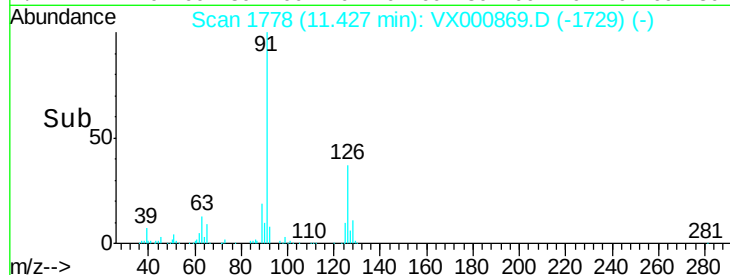
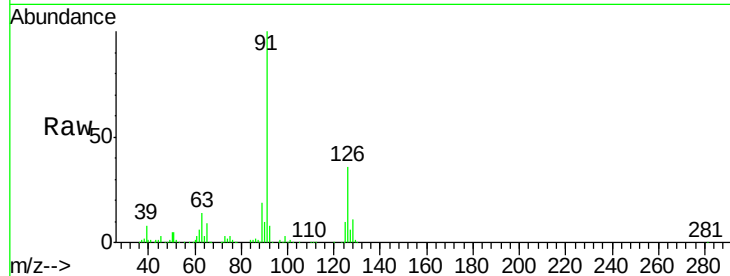
VX0414WBS01

Tgt Ion: 91 Resp: 199478

Ion Ratio Lower Upper

91 100

126 36.6 18.3 54.9



#80

1,3,5-Trimethylbenzene

Concen: 20.93 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000869.D

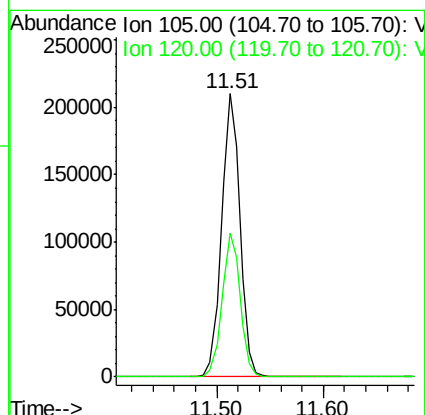
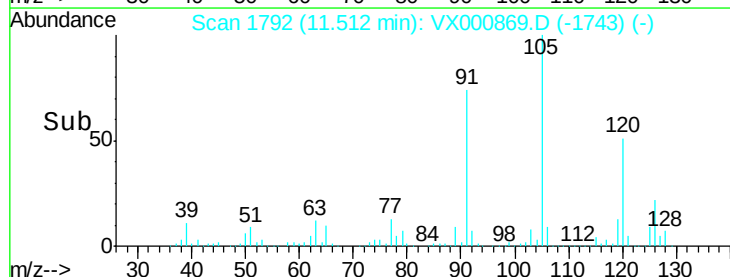
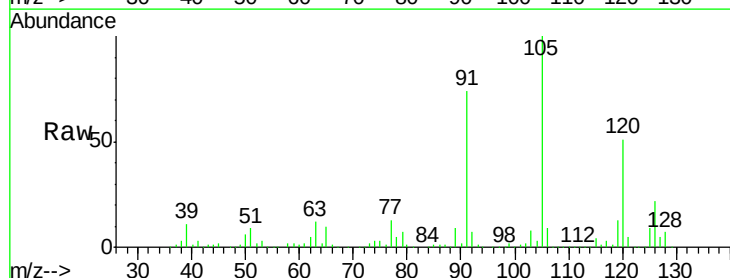
Acq: 14 Apr 2018 12:34

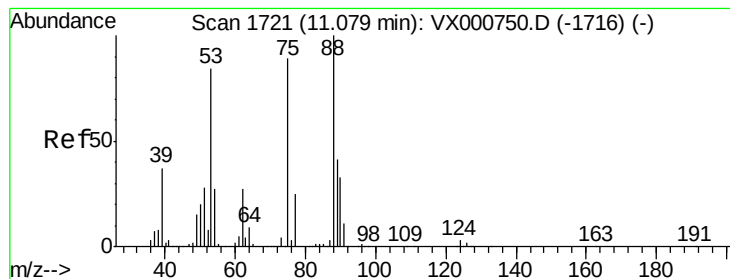
Tgt Ion: 105 Resp: 252277

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.15 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBS01

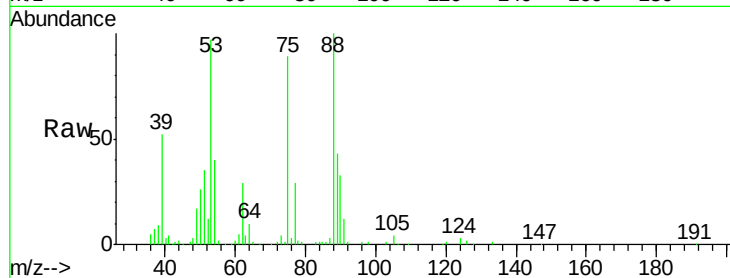
Tgt Ion: 75 Resp: 23755

Ion Ratio Lower Upper

75 100

53 105.3 75.4 113.0

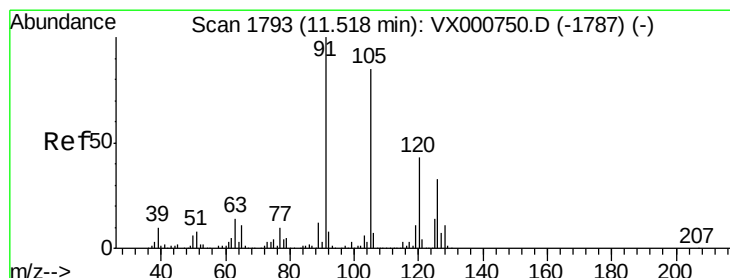
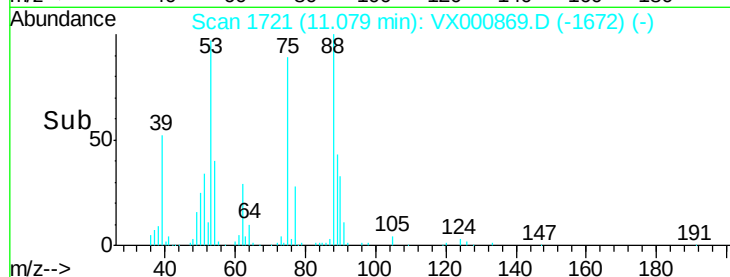
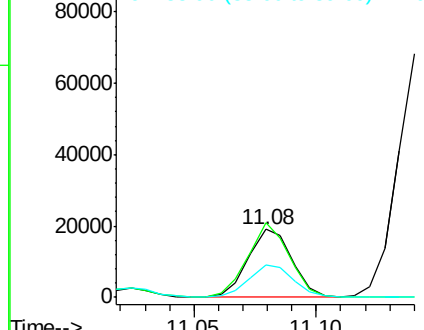
89 49.6 40.9 61.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.91 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX000869.D

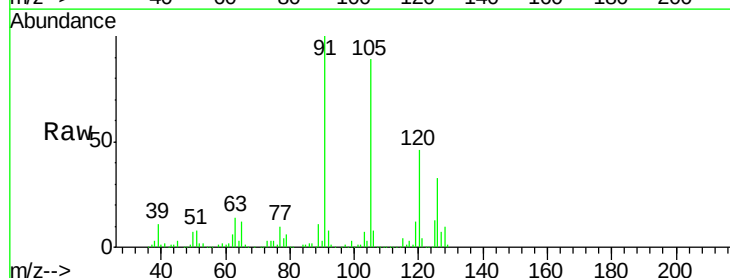
Acq: 14 Apr 2018 12:34

Tgt Ion: 91 Resp: 239173

Ion Ratio Lower Upper

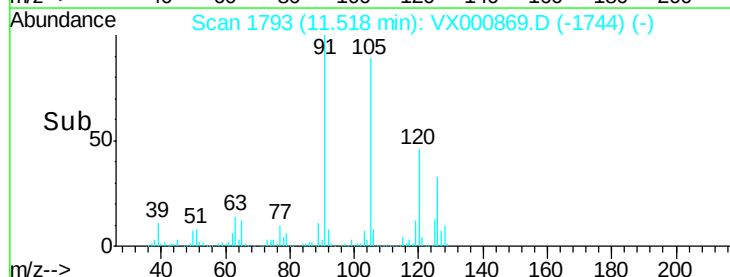
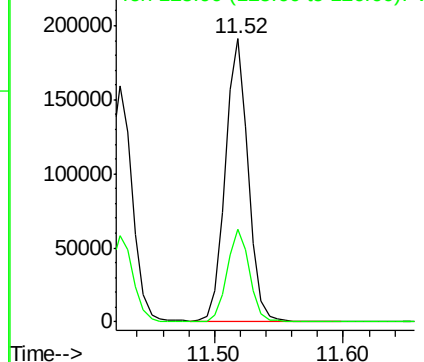
91 100

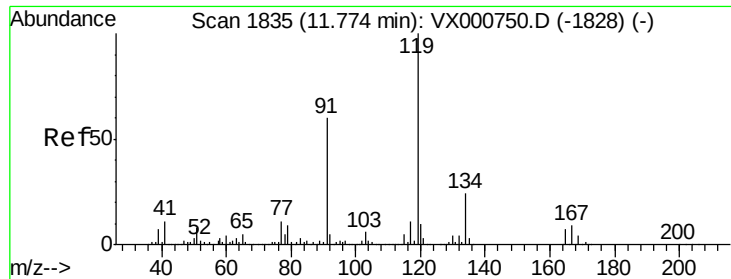
126 32.2 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

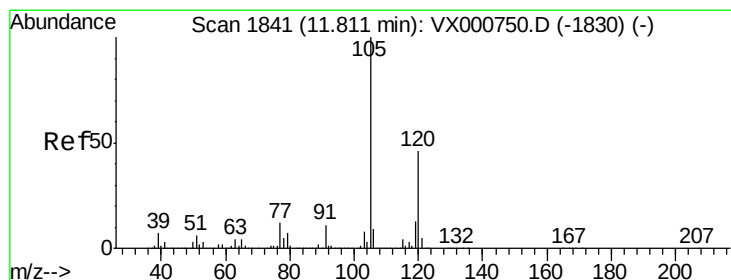
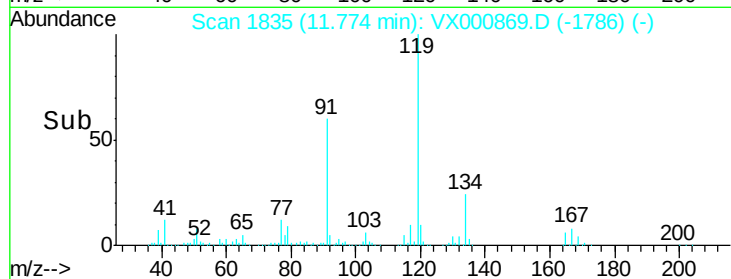
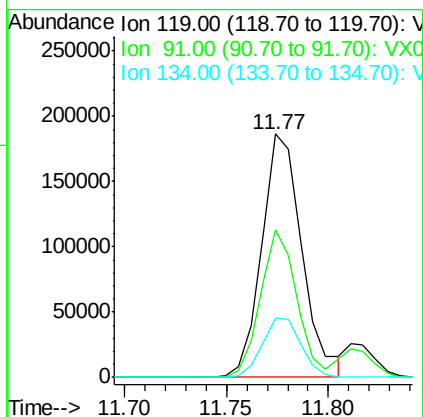
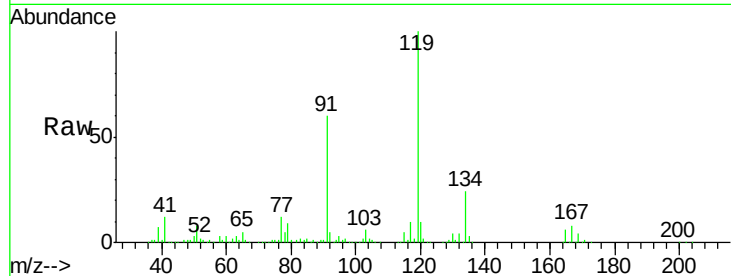




#83
 tert-Butylbenzene
 Concen: 20.83 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX000869.D
 Acq: 14 Apr 2018 12:34

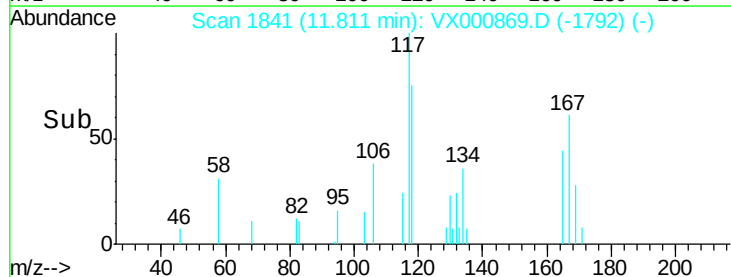
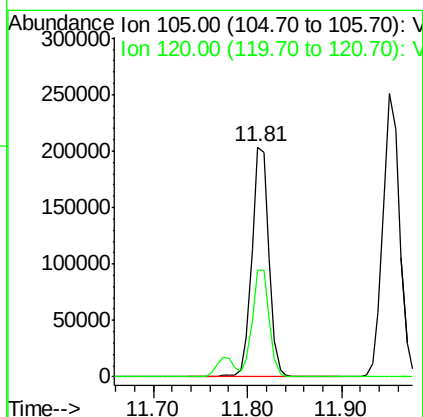
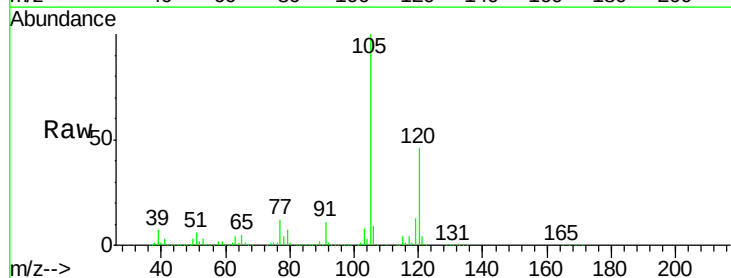
Instrument :
 MSVOA_X
 ClientSampled :
 VX0414WBS01

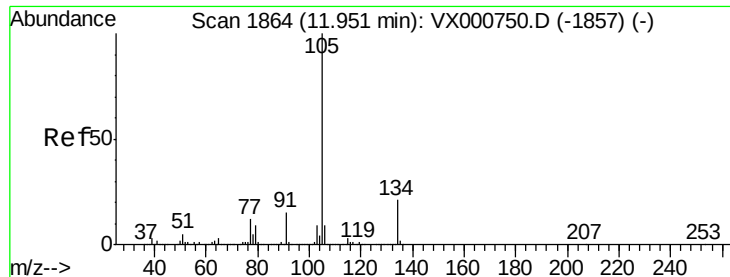
Tgt Ion:119 Resp: 256915
 Ion Ratio Lower Upper
 119 100
 91 54.5 26.8 80.3
 134 23.7 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.78 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX000869.D
 Acq: 14 Apr 2018 12:34

Tgt Ion:105 Resp: 258647
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.1 69.3





#85

sec-Butylbenzene

Concen: 21.38 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

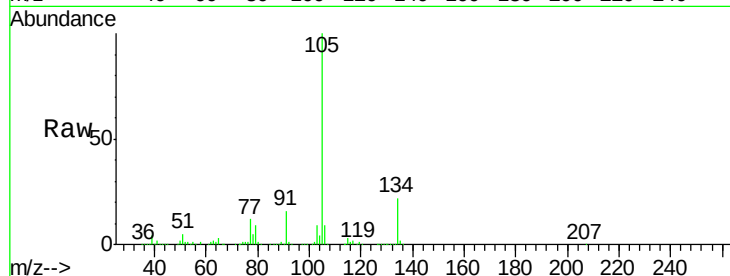
VX0414WBS01

Tgt Ion:105 Resp: 311118

Ion Ratio Lower Upper

105 100

134 21.5 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

250000

200000

150000

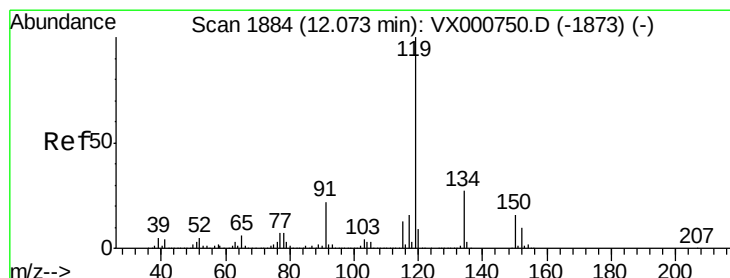
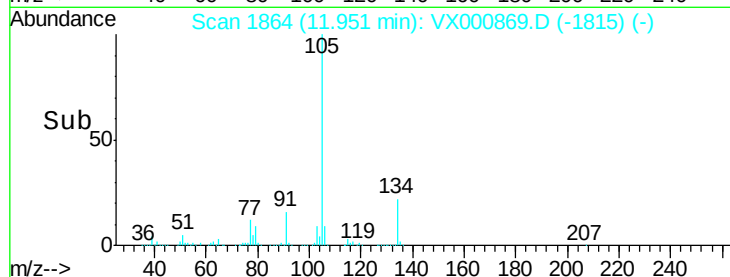
100000

50000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 21.29 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

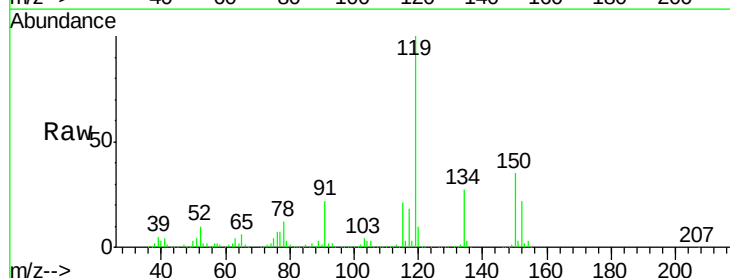
Tgt Ion:119 Resp: 288800

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

91 22.6 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): V

12.07

300000

250000

200000

150000

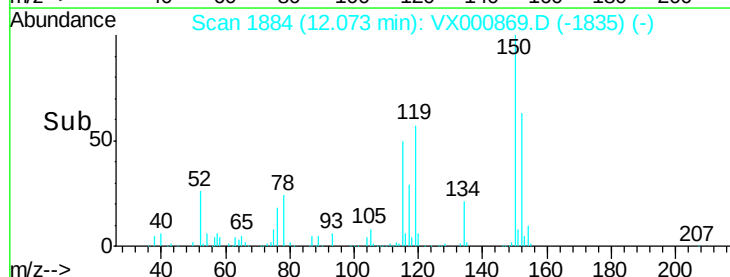
100000

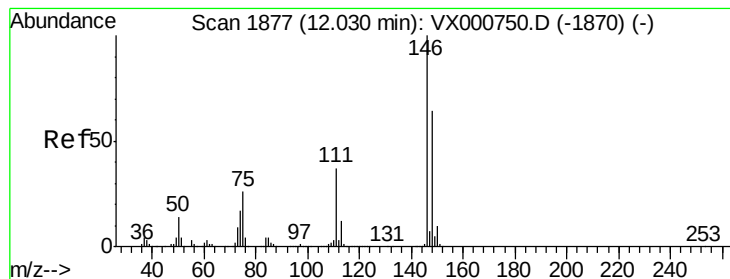
50000

0

Time-->

12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 21.11 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

VX0414WBS01

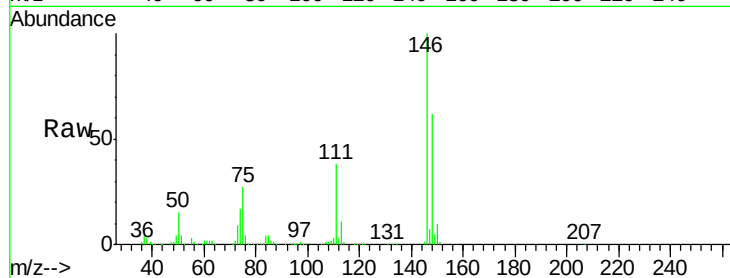
Tgt Ion:146 Resp: 160491

Ion Ratio Lower Upper

146 100

111 36.6 18.3 54.8

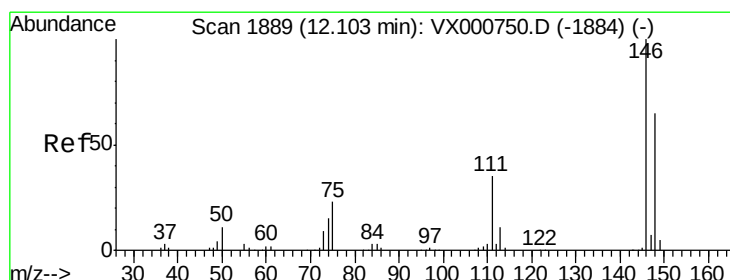
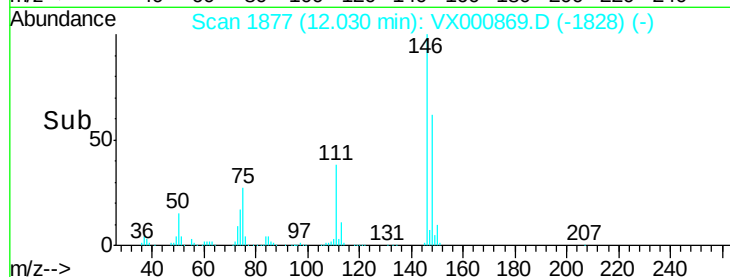
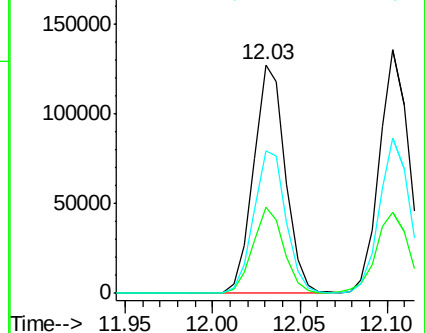
148 63.1 32.2 96.6



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: 20.66 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

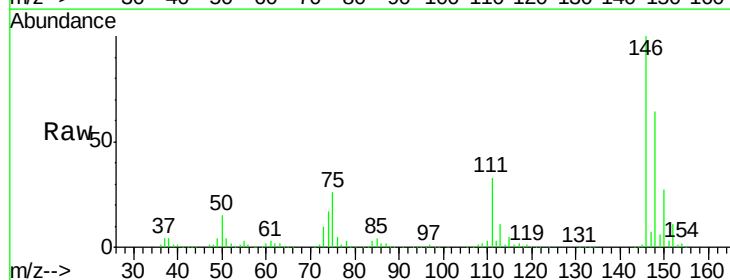
Tgt Ion:146 Resp: 160978

Ion Ratio Lower Upper

146 100

111 36.6 17.9 53.8

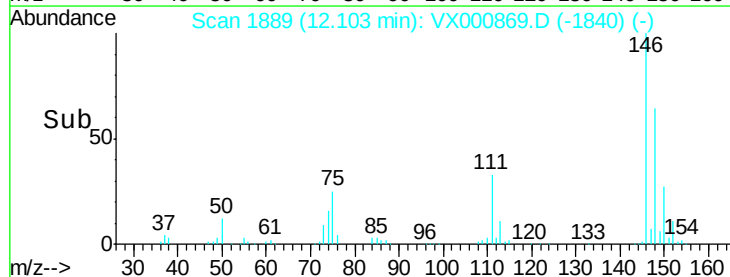
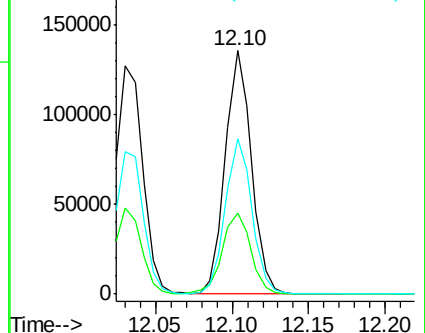
148 65.0 32.6 97.7

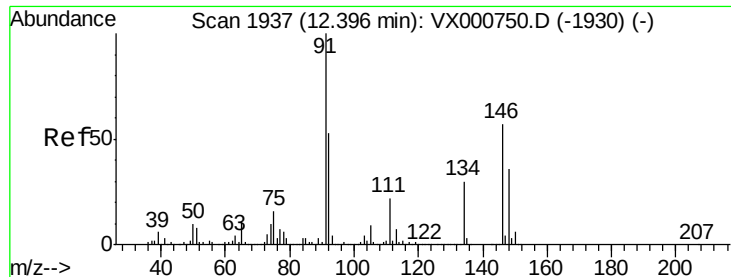


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.62 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBS01

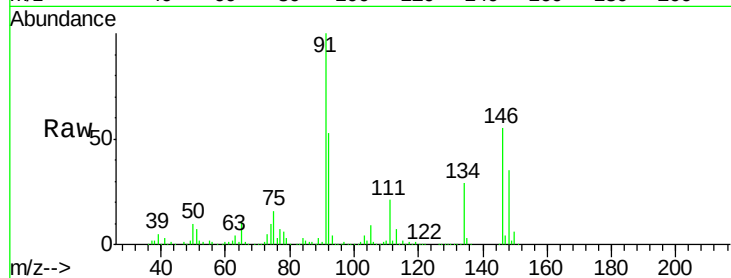
Tgt Ion: 91 Resp: 258906

Ion Ratio Lower Upper

91 100

92 53.1 26.5 79.5

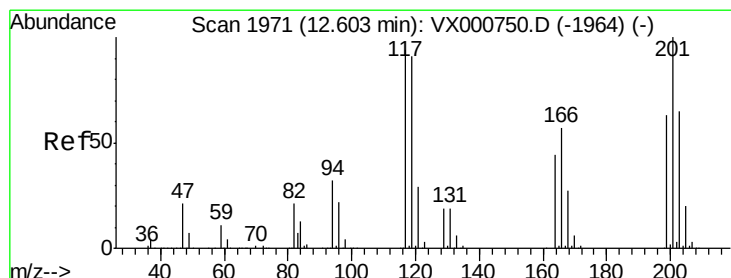
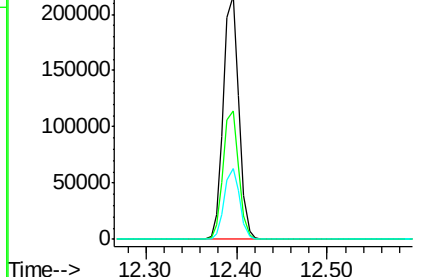
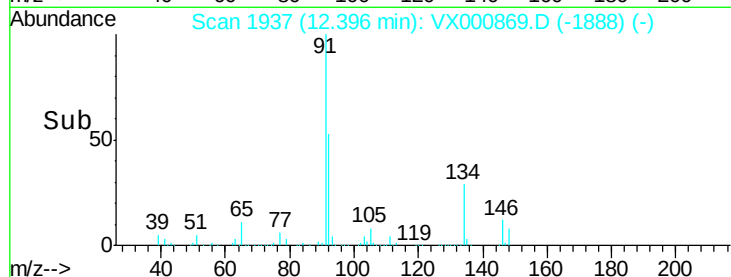
134 28.9 14.5 43.5



Abundance Ion 91.00 (90.70 to 91.70): VX000869.D (-1930) (-)

Ion 92.00 (91.70 to 92.70): VX000869.D (-1930) (-)

Ion 134.00 (133.70 to 134.70): VX000869.D (-1930) (-)



#90

Hexachloroethane

Concen: 17.50 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX000869.D

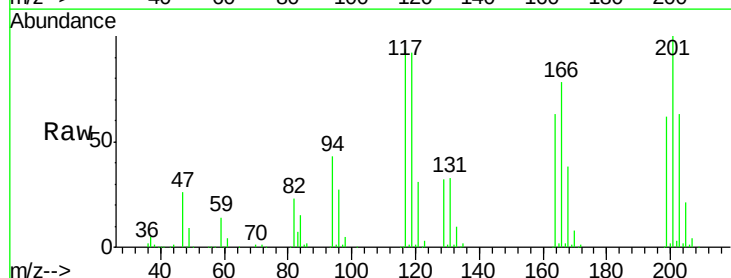
Acq: 14 Apr 2018 12:34

Tgt Ion: 117 Resp: 40178

Ion Ratio Lower Upper

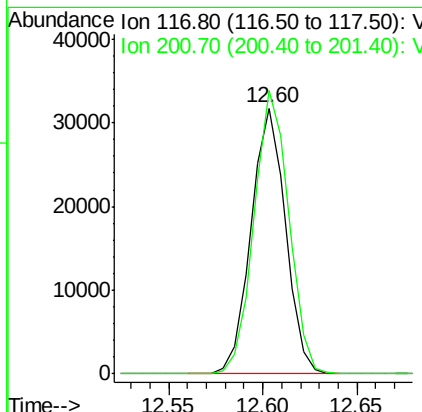
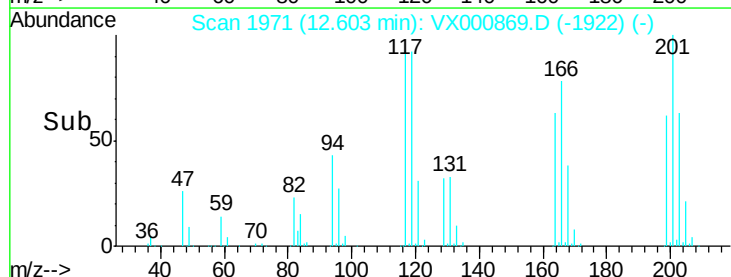
117 100

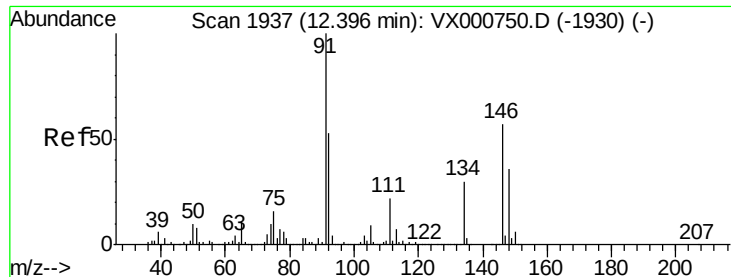
201 107.4 52.9 158.7



Abundance Ion 116.80 (116.50 to 117.50): VX000869.D (-1964) (-)

Ion 200.70 (200.40 to 201.40): VX000869.D (-1964) (-)

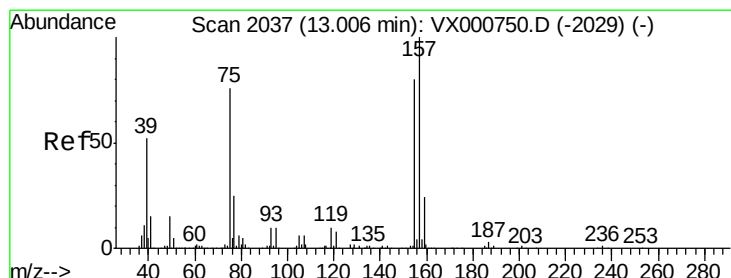
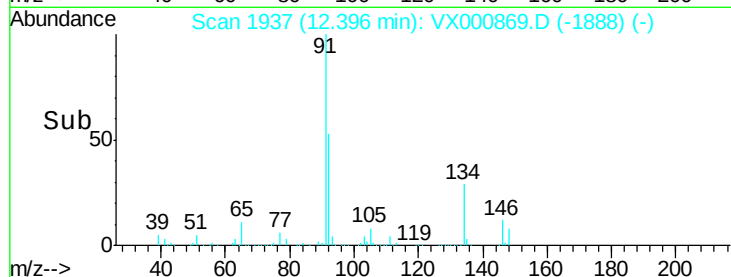
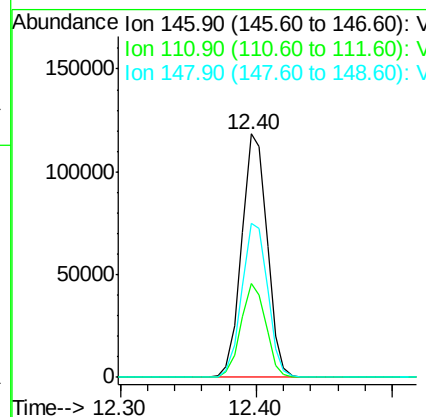
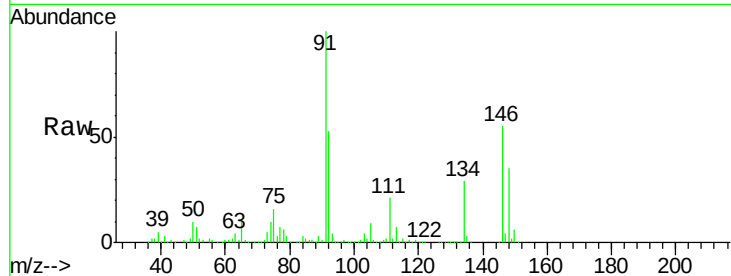




#91
 1,2-Dichlorobenzene
 Concen: 21.06 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000869.D
 Acq: 14 Apr 2018 12:34

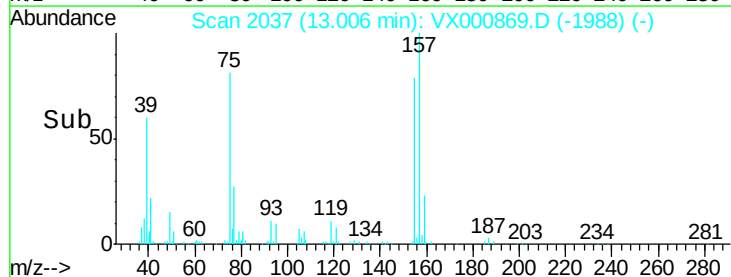
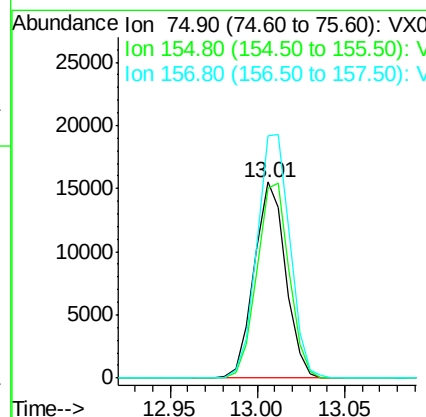
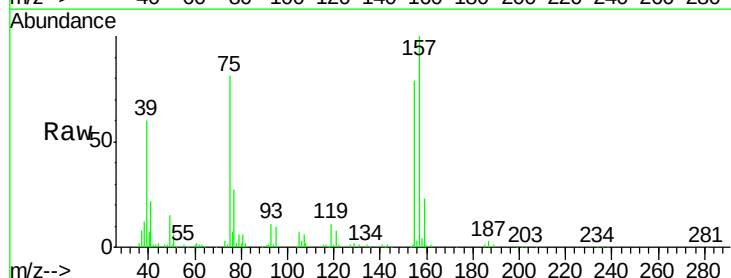
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBS01

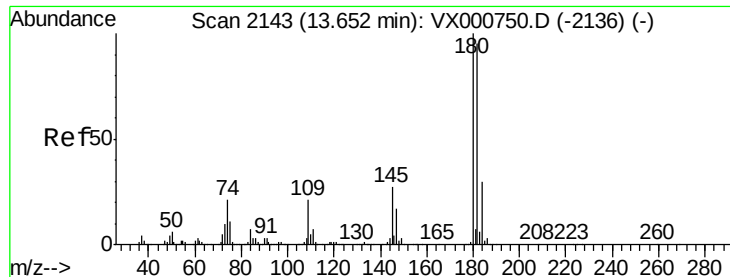
Tgt Ion:146 Resp: 154559
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.7
 148 64.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.02 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000869.D
 Acq: 14 Apr 2018 12:34

Tgt Ion: 75 Resp: 19383
 Ion Ratio Lower Upper
 75 100
 155 102.0 51.9 155.8
 157 129.8 66.6 199.8





#93

1,2,4-Trichlorobenzene

Concen: 21.21 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBS01

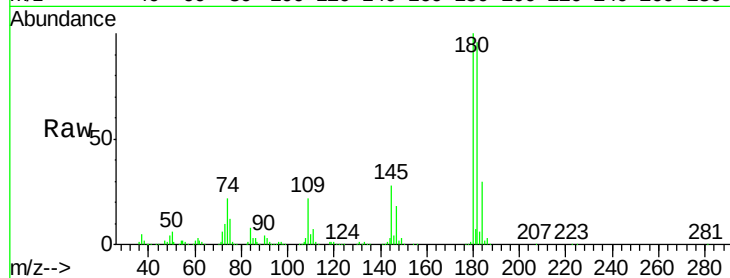
Tgt Ion:180 Resp: 132864

Ion Ratio Lower Upper

180 100

182 95.5 47.5 142.5

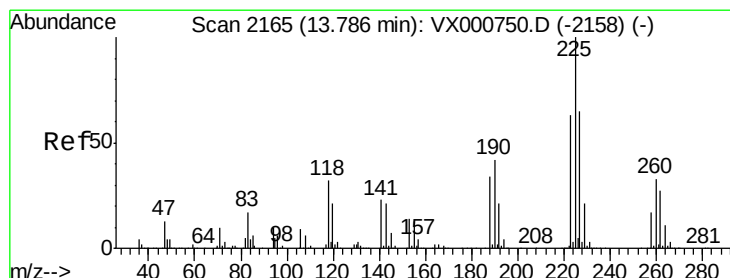
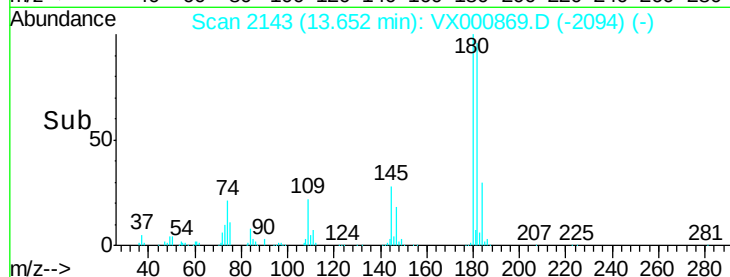
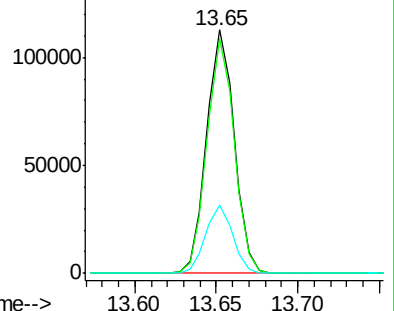
145 27.7 13.8 41.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 22.03 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX000869.D

Acq: 14 Apr 2018 12:34

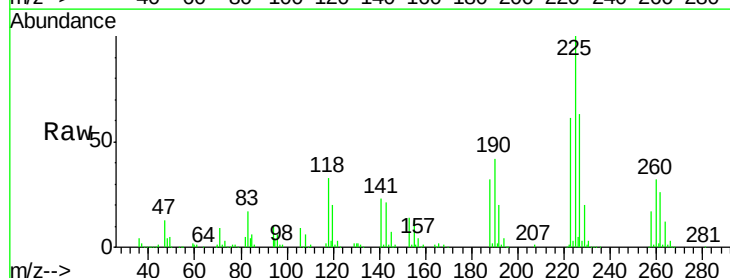
Tgt Ion:225 Resp: 67852

Ion Ratio Lower Upper

225 100

223 62.3 31.2 93.6

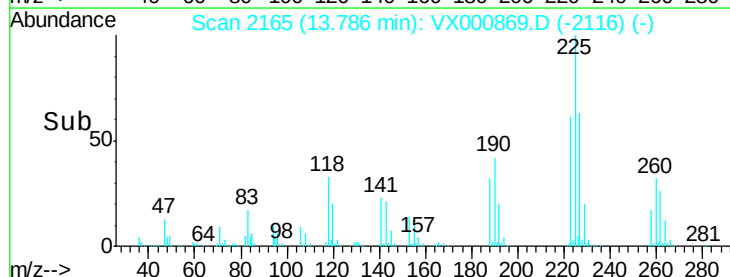
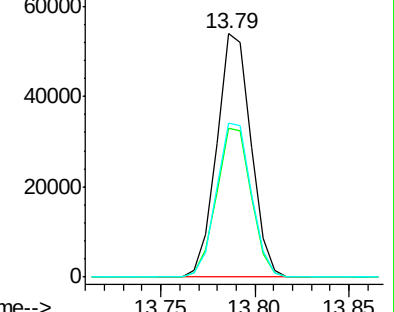
227 64.4 32.3 96.9

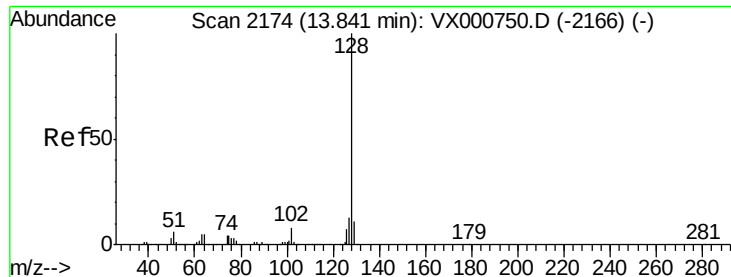


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

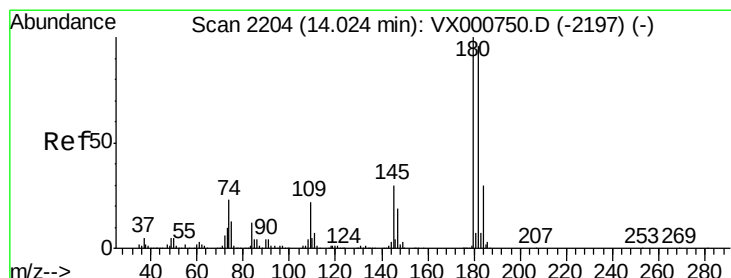
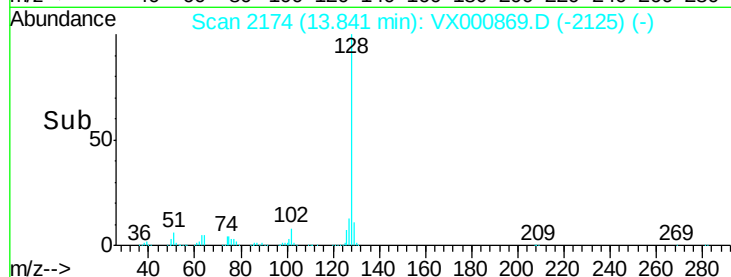
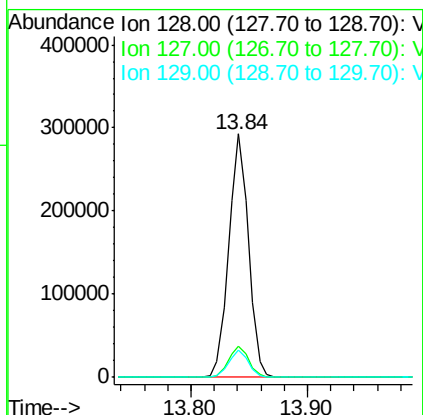
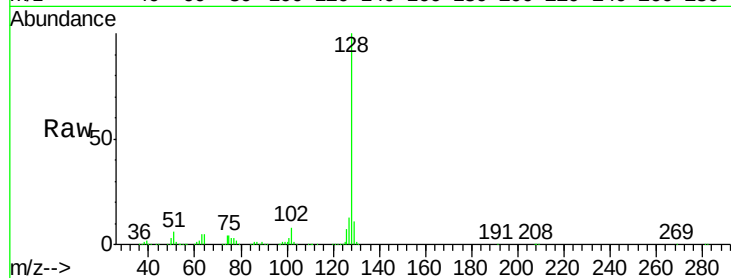




#95
Naphthalene
Concen: 21.37 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBS01

Tgt Ion:128 Resp: 343595
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.09 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX000869.D
Acq: 14 Apr 2018 12:34

Tgt Ion:180 Resp: 128331
Ion Ratio Lower Upper
180 100
182 96.9 48.4 145.2
145 29.5 14.6 43.8

