

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050418\
 Data File : VX001404.D
 Acq On : 04 May 2018 18:32
 Operator : JC/MD
 Sample : VX0504WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

Quant Time: May 05 05:44:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	295747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	390603	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	362068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	227499	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	186604	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
35) Dibromofluoromethane	5.51	113	160001	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
50) Toluene-d8	8.72	98	589800	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.15	95	207896	43.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	32701	10.00	ug/l	99
3) Chloromethane	1.32	50	31961	9.95	ug/l	100
4) Vinyl Chloride	1.40	62	34789	10.29	ug/l	99
5) Bromomethane	1.64	94	28589	10.06	ug/l	99
6) Chloroethane	1.72	64	24519	11.47	ug/l	99
7) Trichlorofluoromethane	1.93	101	62140	10.89	ug/l	99
8) Diethyl Ether	2.19	74	22761	11.62	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34893	10.61	ug/l	98
10) Methyl Iodide	2.51	142	47279	16.37	ug/l	100
11) Tert butyl alcohol	3.09	59	52489	74.52	ug/l	98
12) 1,1-Dichloroethene	2.37	96	31272	10.54	ug/l	97
13) Acrolein	2.29	56	12776	31.50	ug/l	95
14) Allyl chloride	2.73	41	58920	11.35	ug/l	100
15) Acrylonitrile	3.15	53	108921	66.72	ug/l	99
16) Acetone	2.45	43	106984	61.22	ug/l	100
17) Carbon Disulfide	2.57	76	65069	8.42	ug/l	99
18) Methyl Acetate	2.78	43	62392	15.12	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	118449	11.72	ug/l	99
20) Methylene Chloride	2.86	84	37573	10.66	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	33354	10.33	ug/l	100
22) Diisopropyl ether	3.89	45	117740	11.78	ug/l	98
23) Vinyl Acetate	3.83	43	515362	60.84	ug/l	99
24) 1,1-Dichloroethane	3.70	63	66769	11.99	ug/l	99
25) 2-Butanone	4.73	43	147388	62.38	ug/l	99
26) 2,2-Dichloropropane	4.59	77	42204	9.31	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	36479	10.28	ug/l	95
28) Bromochloromethane	5.03	49	30937	12.36	ug/l	99
29) Tetrahydrofuran	5.18	42	91998	63.31	ug/l	98
30) Chloroform	5.22	83	63447	10.78	ug/l	98
31) Cyclohexane	5.58	56	44913	8.93	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	52571	10.22	ug/l	99
36) 1,1-Dichloropropene	5.81	75	42504	9.43	ug/l	99
37) Ethyl Acetate	4.89	43	53066	11.66	ug/l	98
38) Carbon Tetrachloride	5.79	117	47586	10.08	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	47492	8.91	ug/l	98
40) Benzene	6.15	78	133325	10.28	ug/l	99
41) Methacrylonitrile	5.08	41	29564	11.15	ug/l	97
42) 1,2-Dichloroethane	6.21	62	51311	10.22	ug/l	99
43) Isopropyl Acetate	6.48	43	81624	11.08	ug/l	99
44) Trichloroethene	7.22	130	42205	10.63	ug/l	96
45) 1,2-Dichloropropane	7.52	63	35806	10.75	ug/l	100
46) Dibromomethane	7.67	93	24668	10.57	ug/l	98
47) Bromodichloromethane	7.91	83	43041	10.31	ug/l	98
48) Methyl methacrylate	7.79	41	43457	11.09	ug/l	99
49) 1,4-Dioxane	7.77	88	19985	270.32	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	296619	62.43	ug/l	99
52) Toluene	8.79	92	88019	10.38	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	47873	9.64	ug/l	93
54) cis-1,3-Dichloropropene	9.05	75	44056	9.65	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	37897	11.07	ug/l	97
56) Ethyl methacrylate	9.19	69	52695	11.11	ug/l	96
57) 1,3-Dichloropropane	9.38	76	59438	10.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	131068	57.26	ug/l	99
59) 2-Hexanone	9.51	43	229655	61.84	ug/l	99
60) Dibromochloromethane	9.59	129	37240	10.43	ug/l	97
61) 1,2-Dibromoethane	9.68	107	39631	10.92	ug/l	100
64) Tetrachloroethene	9.34	164	52735	12.29	ug/l	97
65) Chlorobenzene	10.15	112	103598	10.52	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	37678	11.02	ug/l	97
67) Ethyl Benzene	10.26	91	164986	10.17	ug/l	99
68) m/p-Xylenes	10.37	106	129450	20.27	ug/l	98
69) o-Xylene	10.71	106	64568	10.43	ug/l	98
70) Styrene	10.72	104	104436	10.31	ug/l	99
71) Bromoform	10.87	173	29609	12.19	ug/l #	99
73) Isopropylbenzene	11.02	105	171191	11.25	ug/l	100
74) N-amyl acetate	6.48	43	81624	12.50	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	54324	11.91	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	61708	14.67	ug/l	91
77) Bromobenzene	11.26	156	51718	11.78	ug/l	97
78) n-propylbenzene	11.37	91	188871	11.17	ug/l	100
79) 2-Chlorotoluene	11.43	91	116373	11.40	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	144674	11.32	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	12074	12.82	ug/l	92
82) 4-Chlorotoluene	11.52	91	136140	11.09	ug/l	100
83) tert-Butylbenzene	11.78	119	143369	11.25	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	151026	11.53	ug/l	99
85) sec-Butylbenzene	11.95	105	173588	11.38	ug/l	100
86) p-Isopropyltoluene	12.07	119	159629	11.41	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	89868	10.96	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	91146	10.79	ug/l	98
89) n-Butylbenzene	12.40	91	127060	10.41	ug/l	100
90) Hexachloroethane	12.60	117	22023	10.87	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	94184	11.55	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	12111	13.14	ug/l	94

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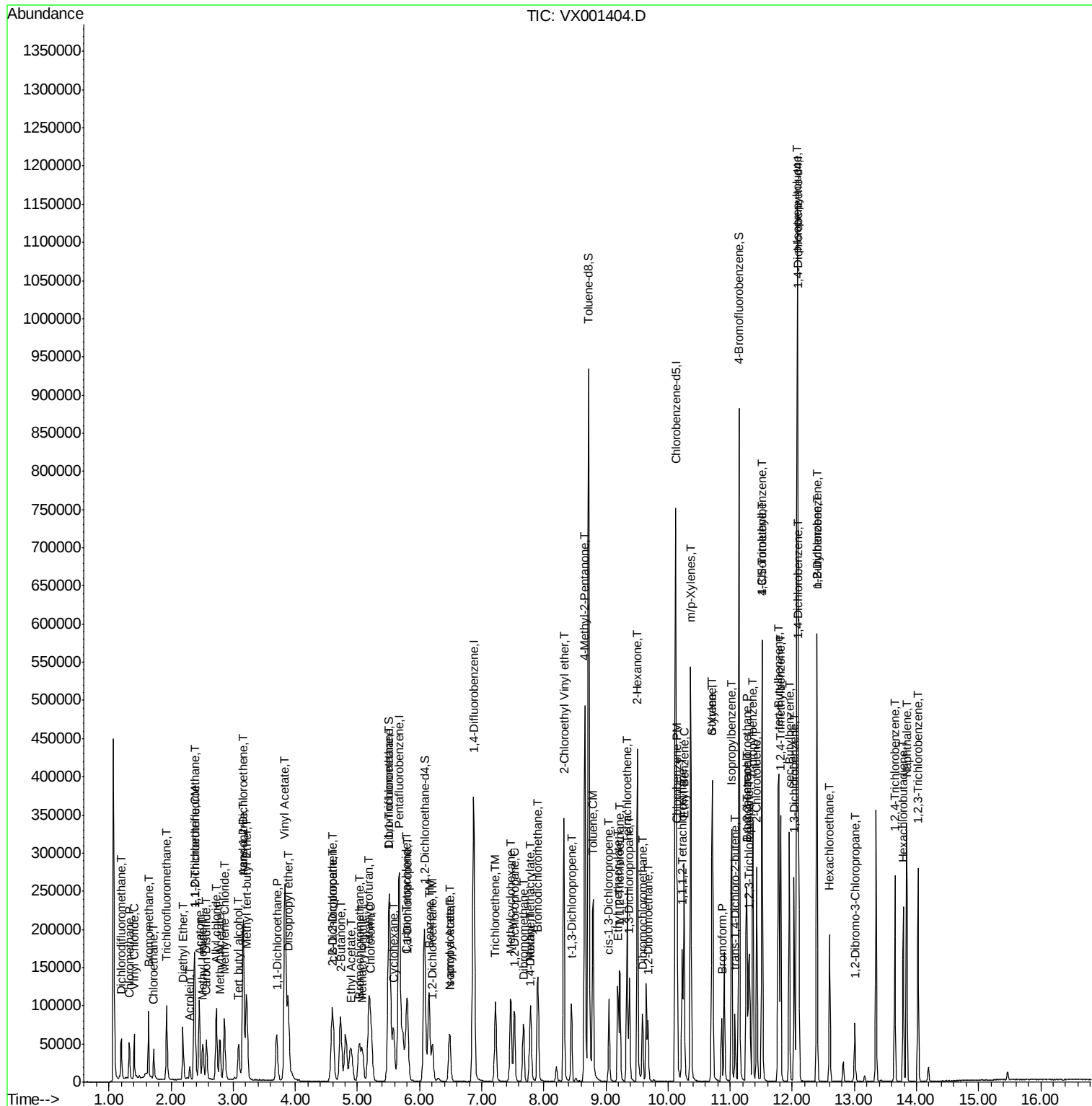
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	67867	10.34	ug/l	99
94) Hexachlorobutadiene	13.79	225	37151	10.82	ug/l	99
95) Naphthalene	13.84	128	202024	12.13	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	72221	11.21	ug/l	99

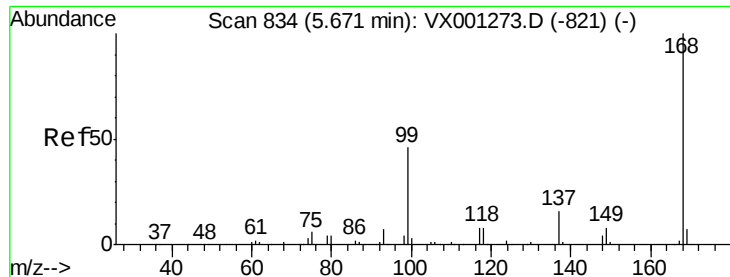
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

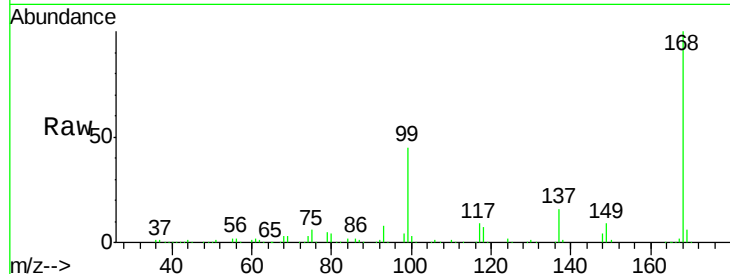
VX0504WBSD01

Tgt Ion:168 Resp: 295747

Ion Ratio Lower Upper

168 100

99 45.3 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

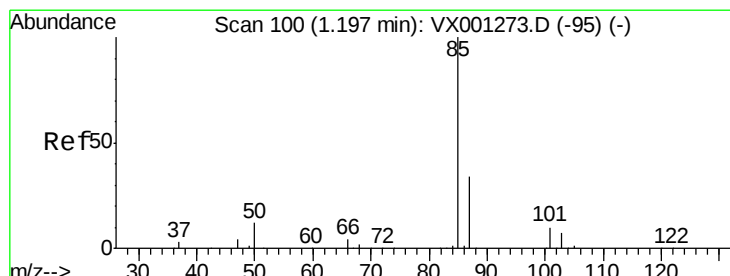
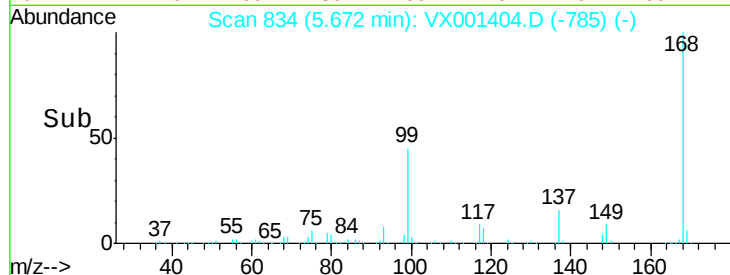
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 10.00 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001404.D

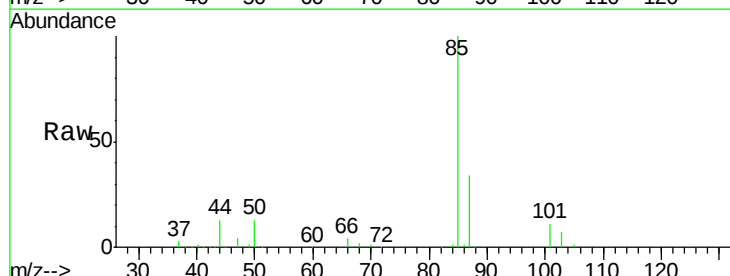
Acq: 04 May 2018 18:32

Tgt Ion: 85 Resp: 32701

Ion Ratio Lower Upper

85 100

87 34.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

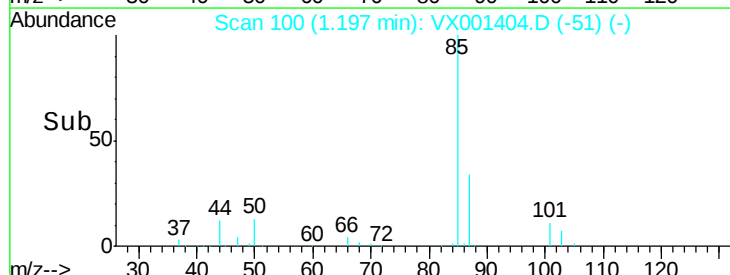
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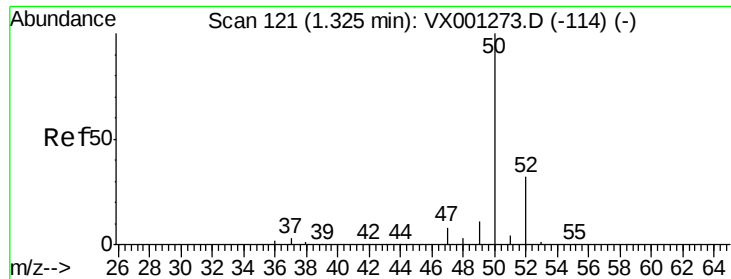
20000

10000

0

Time-->





#3

Chloromethane

Concen: 9.95 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

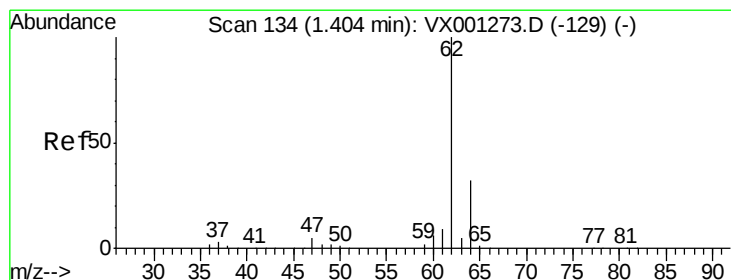
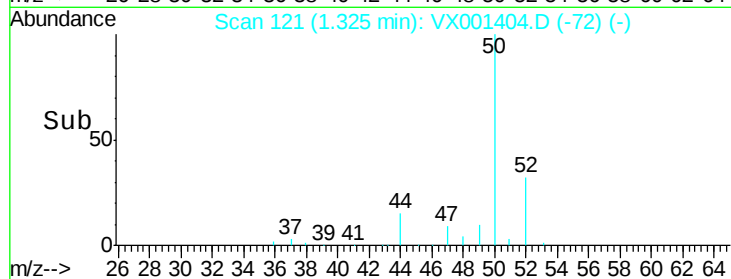
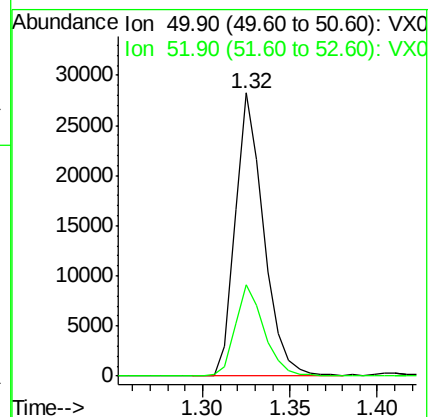
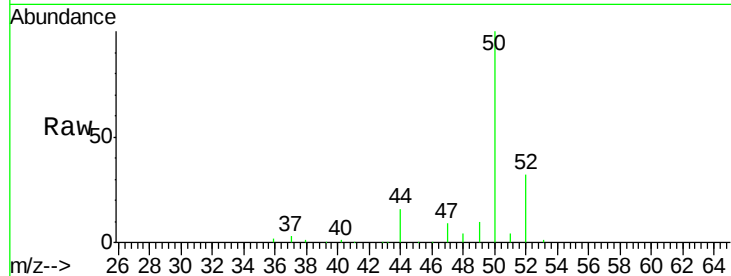
VX0504WBSD01

Tgt Ion: 50 Resp: 31961

Ion Ratio Lower Upper

50 100

52 32.3 25.7 38.5



#4

Vinyl Chloride

Concen: 10.29 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001404.D

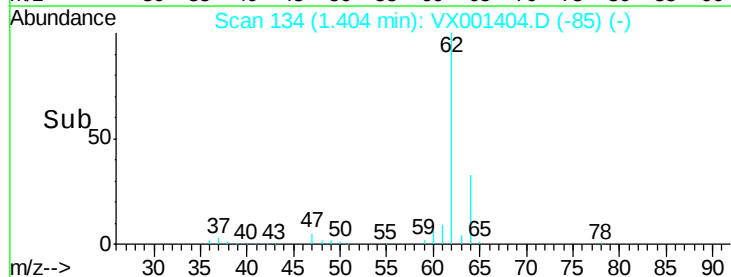
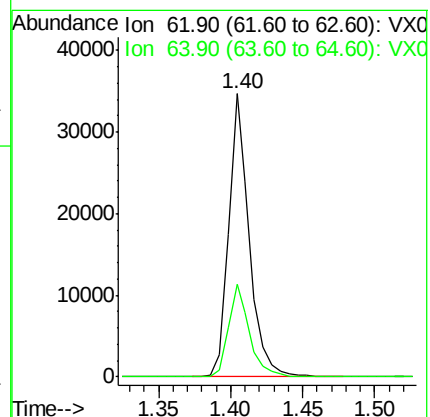
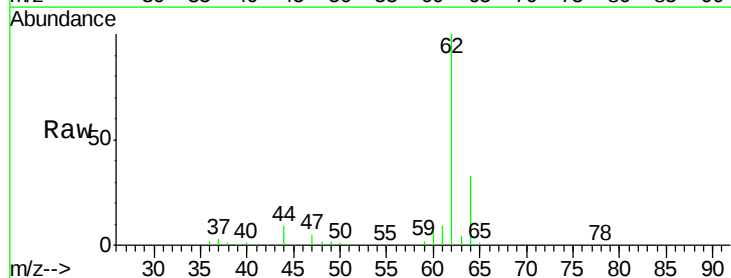
Acq: 04 May 2018 18:32

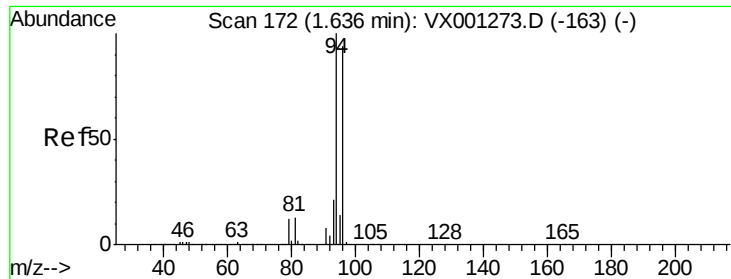
Tgt Ion: 62 Resp: 34789

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2





#5

Bromomethane

Concen: 10.06 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

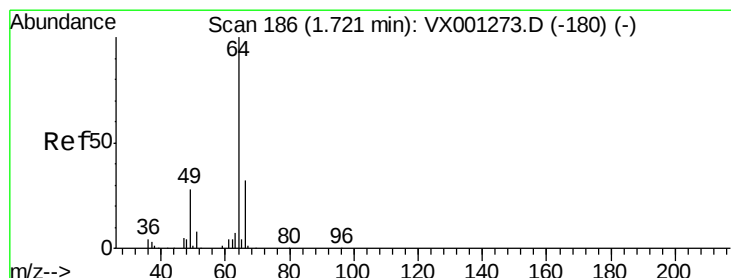
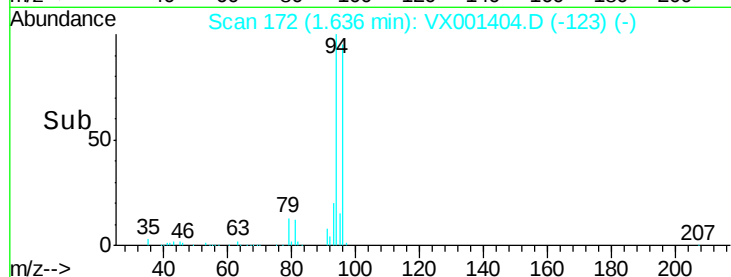
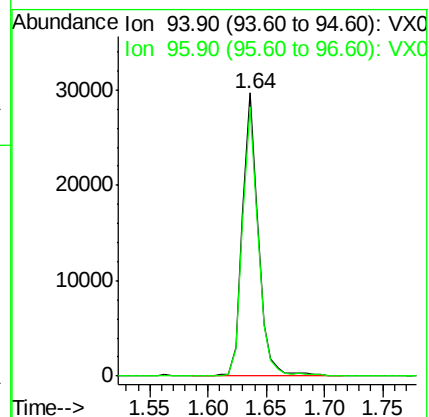
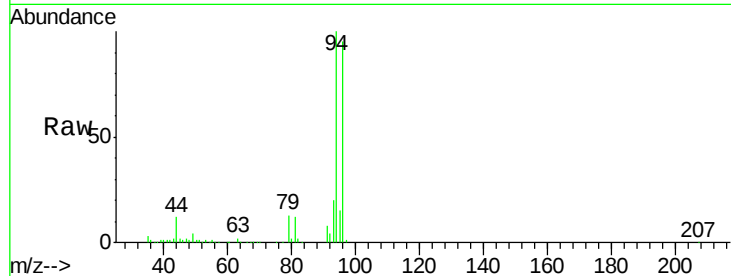
VX0504WBSD01

Tgt Ion: 94 Resp: 28589

Ion Ratio Lower Upper

94 100

96 95.0 75.6 113.4



#6

Chloroethane

Concen: 11.47 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001404.D

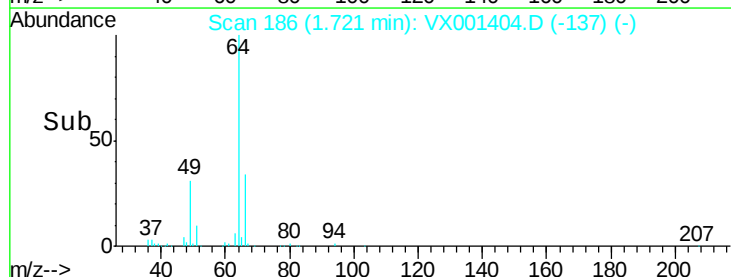
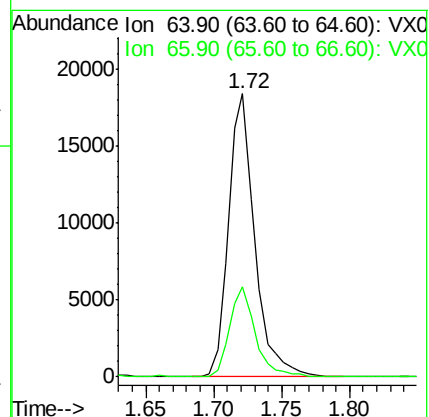
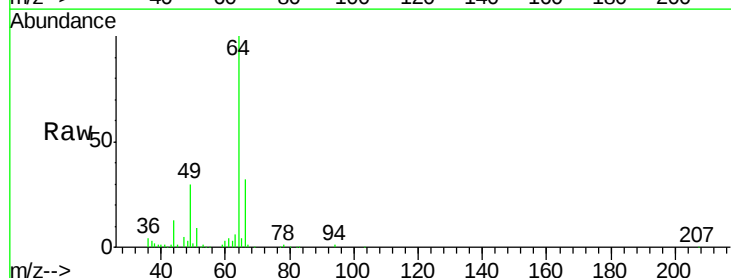
Acq: 04 May 2018 18:32

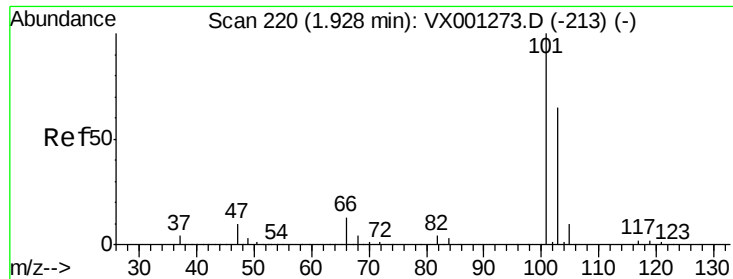
Tgt Ion: 64 Resp: 24519

Ion Ratio Lower Upper

64 100

66 31.7 25.7 38.5





#7

Trichlorofluoromethane

Concen: 10.89 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

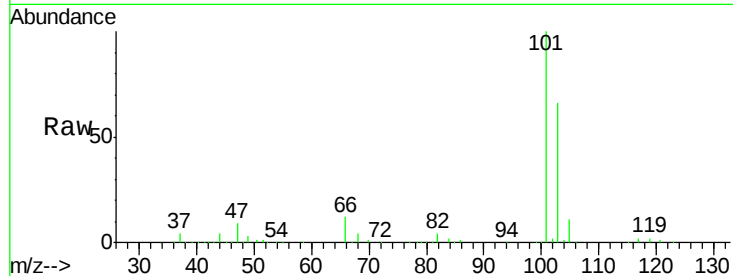
VX0504WBSD01

Tgt Ion:101 Resp: 62140

Ion Ratio Lower Upper

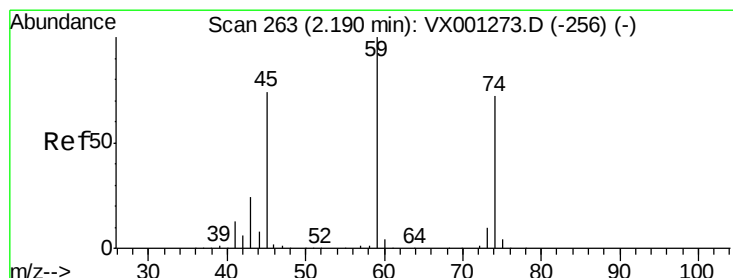
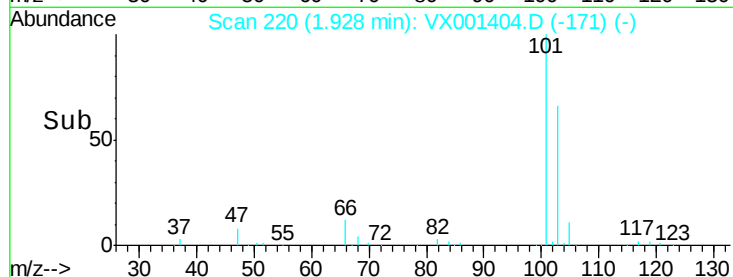
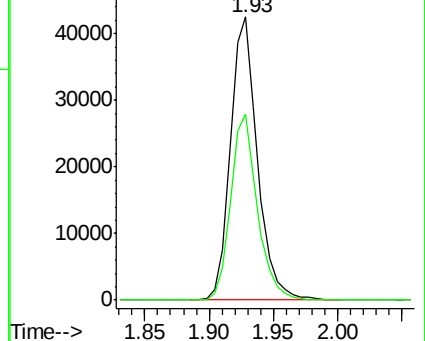
101 100

103 65.8 51.8 77.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 11.62 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001404.D

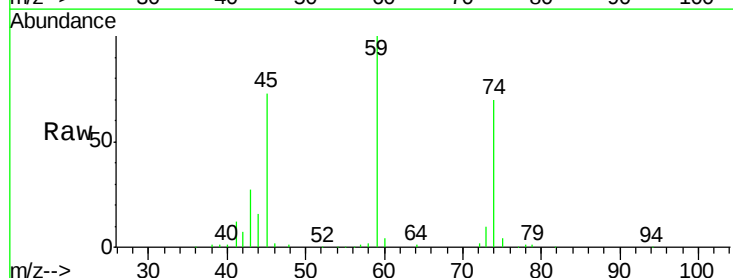
Acq: 04 May 2018 18:32

Tgt Ion: 74 Resp: 22761

Ion Ratio Lower Upper

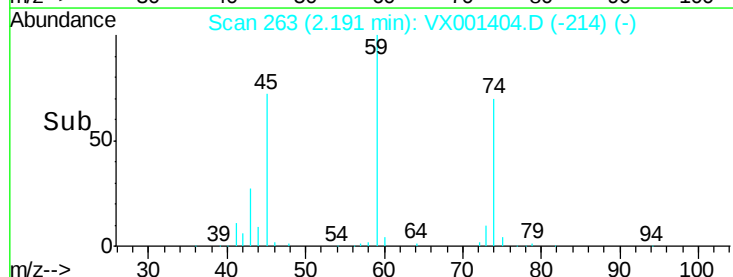
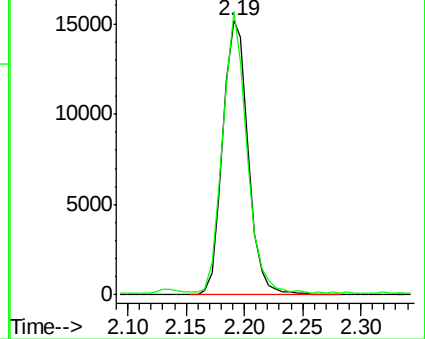
74 100

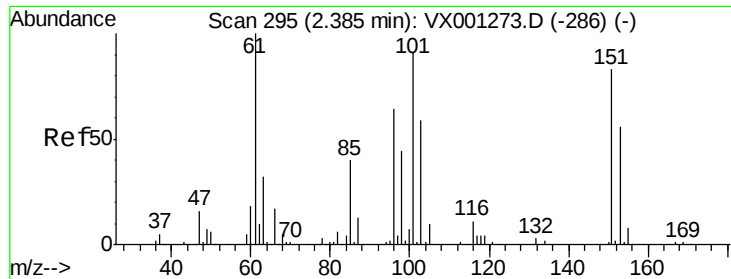
45 98.0 49.3 147.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.61 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

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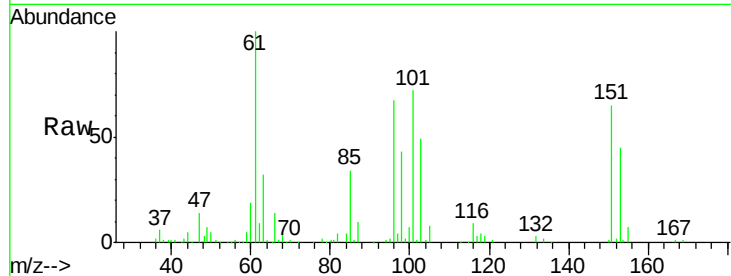
Tgt Ion:101 Resp: 34893

Ion Ratio Lower Upper

101 100

85 44.3 35.6 53.4

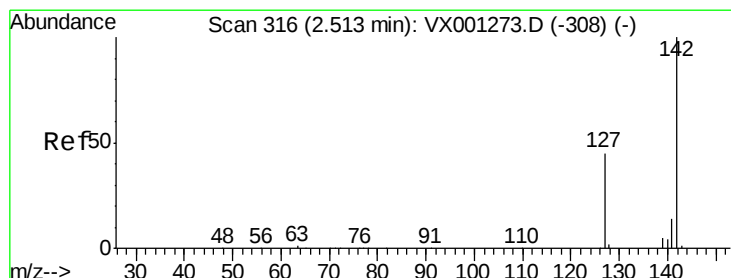
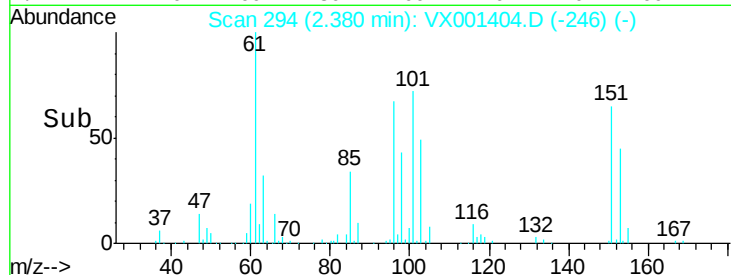
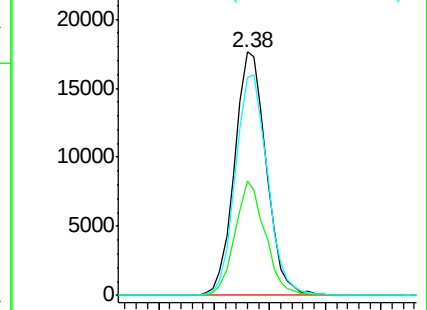
151 91.4 74.8 112.2



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: 16.37 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

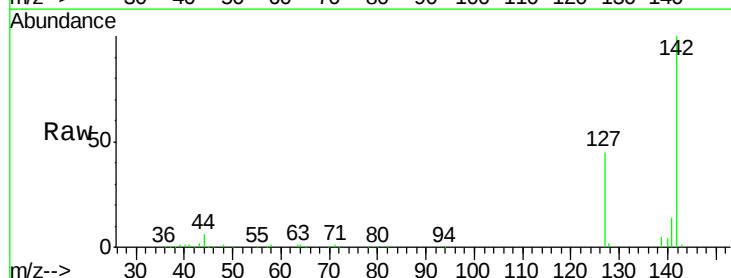
Tgt Ion:142 Resp: 47279

Ion Ratio Lower Upper

142 100

127 44.6 35.7 53.5

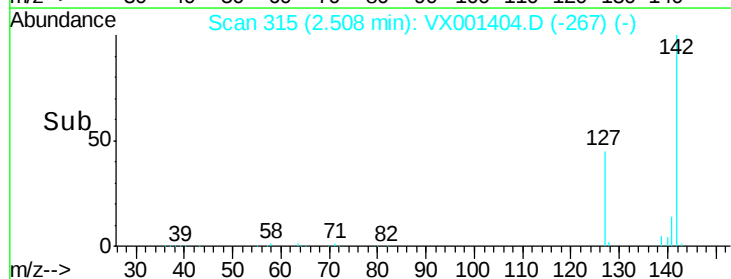
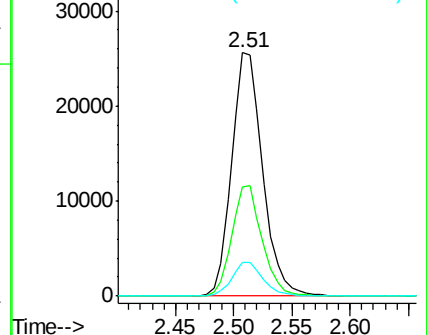
141 13.9 11.4 17.0

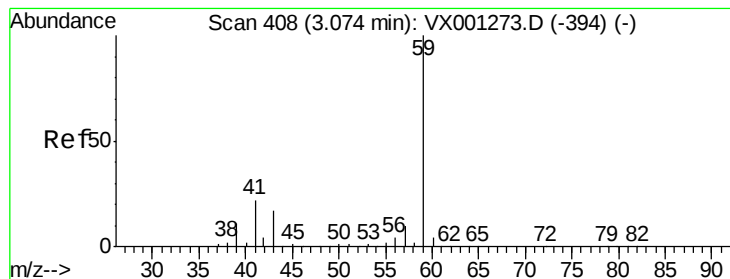


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 74.52 ug/l

RT: 3.09 min Scan# 410

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

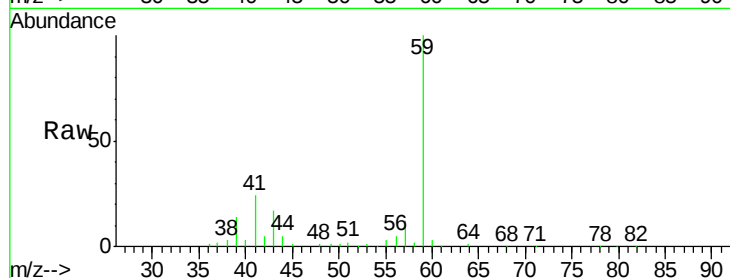
VX0504WBSD01

Tgt Ion: 59 Resp: 52489

Ion Ratio Lower Upper

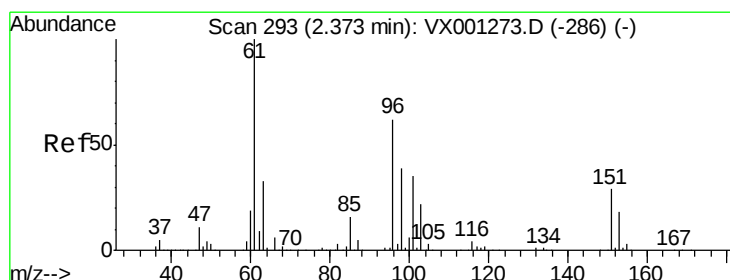
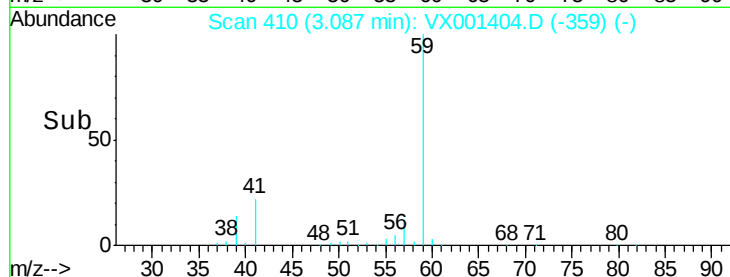
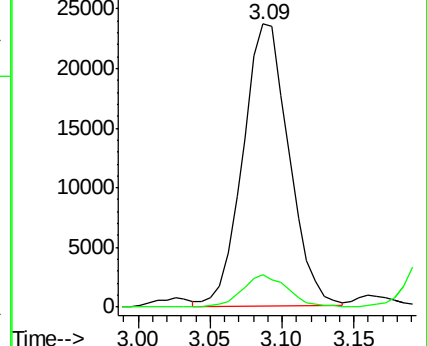
59 100

57 11.5 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#12

1,1-Dichloroethene

Concen: 10.54 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

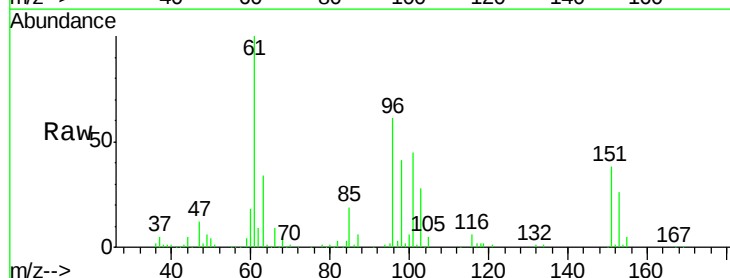
Tgt Ion: 96 Resp: 31272

Ion Ratio Lower Upper

96 100

61 165.2 130.1 195.1

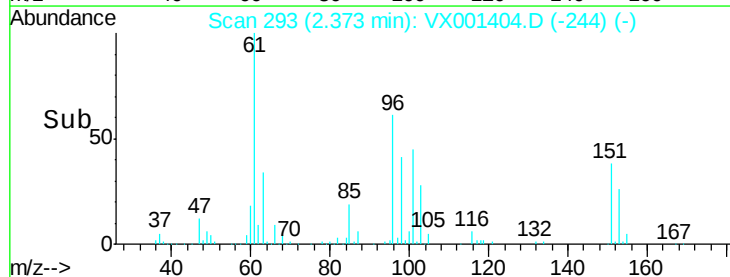
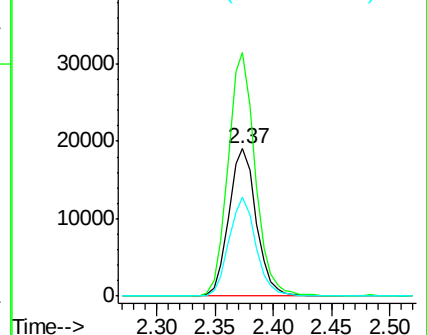
98 67.2 50.3 75.5

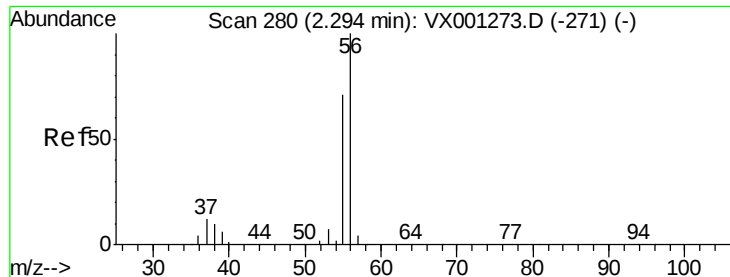


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 31.50 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

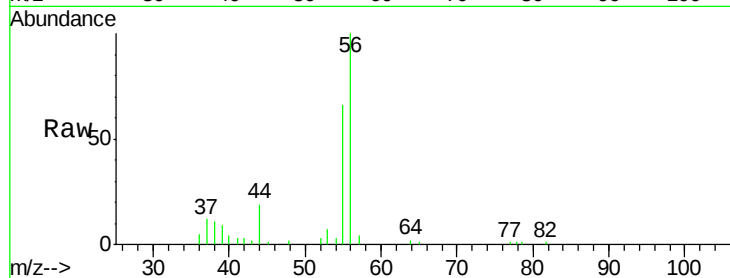
VX0504WBSD01

Tgt Ion: 56 Resp: 12776

Ion Ratio Lower Upper

56 100

55 67.4 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

8000

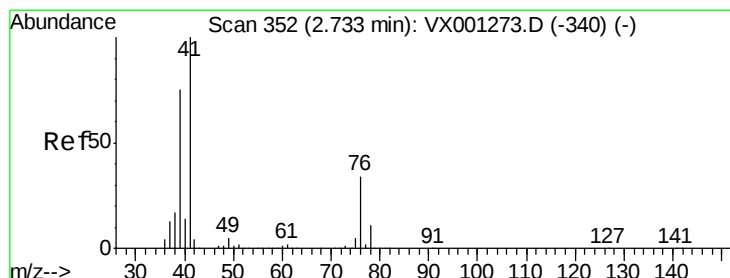
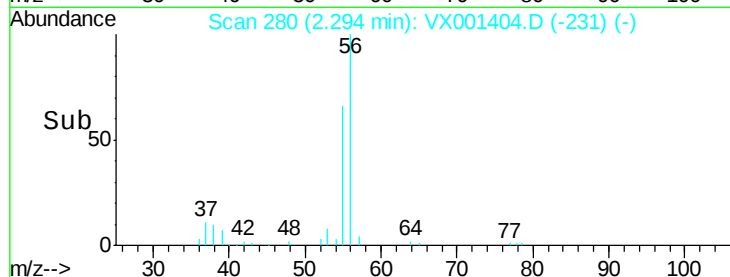
6000

4000

2000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 11.35 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

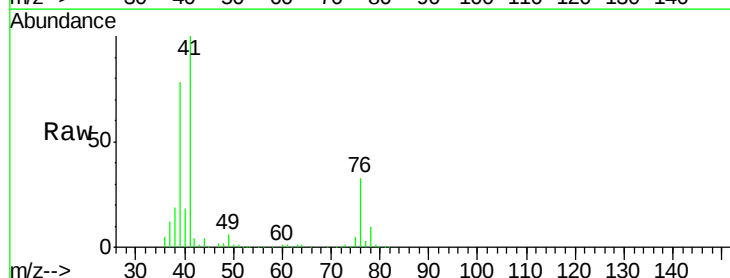
Tgt Ion: 41 Resp: 58920

Ion Ratio Lower Upper

41 100

39 72.3 58.1 87.1

76 31.0 25.1 37.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

40000

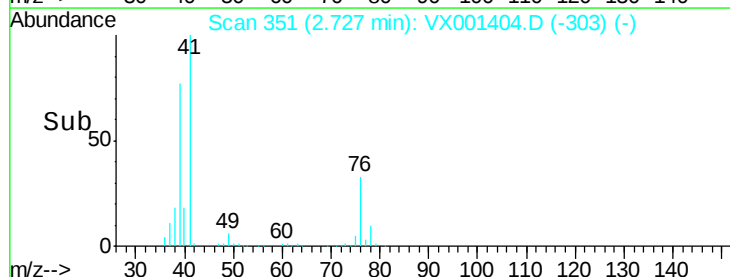
30000

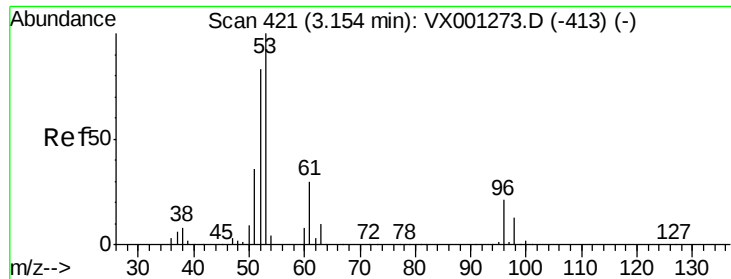
20000

10000

0

Time--> 2.70 2.80





#15

Acrylonitrile

Concen: 66.72 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampled :

VX0504WBSD01

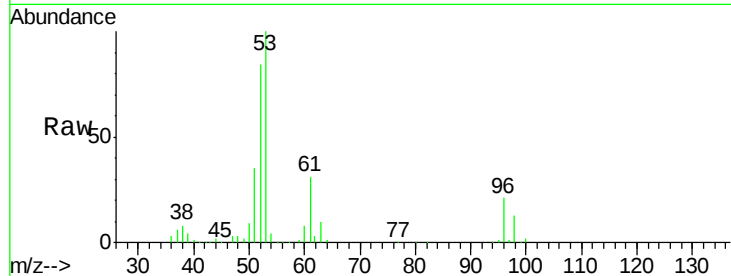
Tgt Ion: 53 Resp: 108921

Ion Ratio Lower Upper

53 100

52 85.0 67.0 100.4

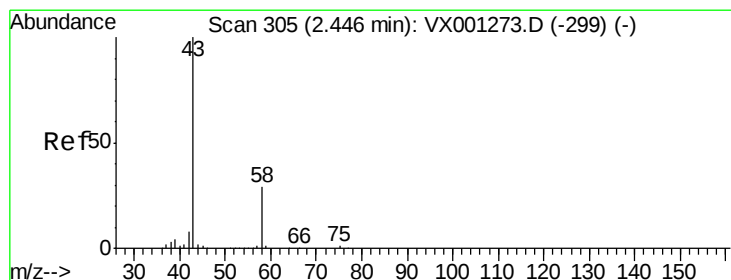
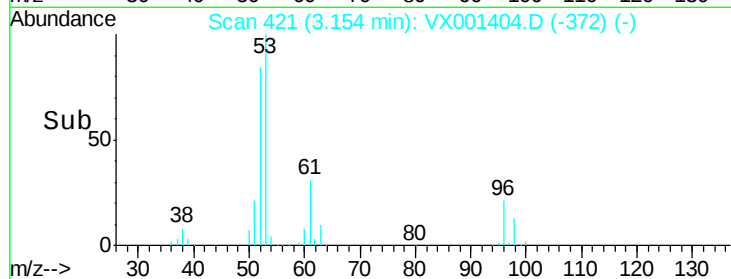
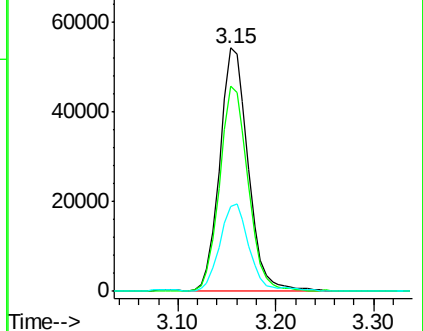
51 37.5 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 61.22 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001404.D

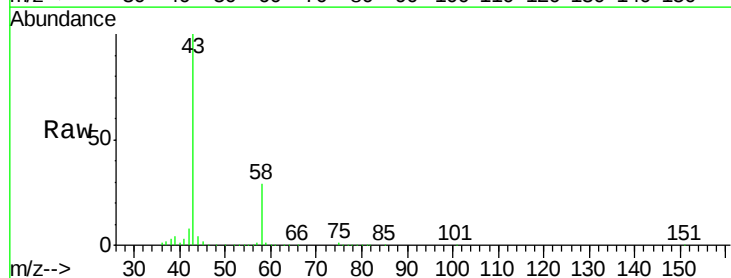
Acq: 04 May 2018 18:32

Tgt Ion: 43 Resp: 106984

Ion Ratio Lower Upper

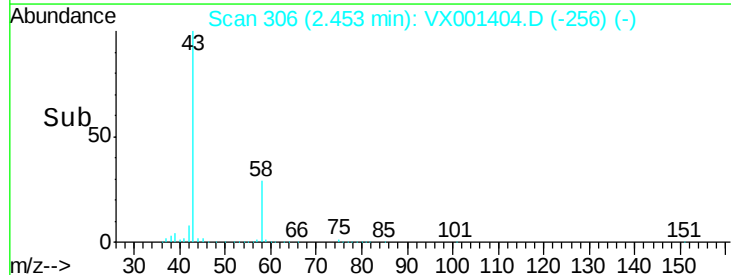
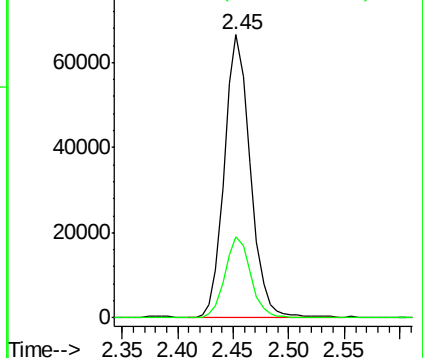
43 100

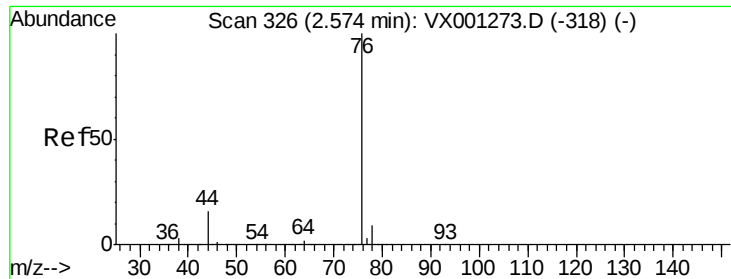
58 28.7 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

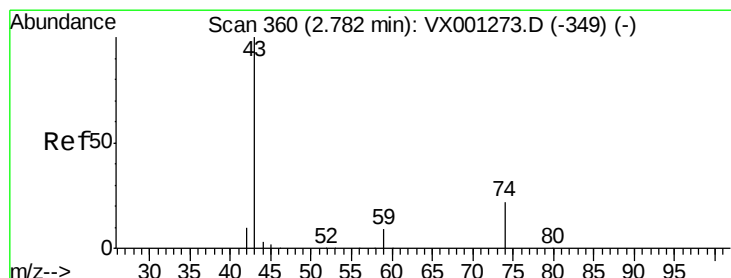
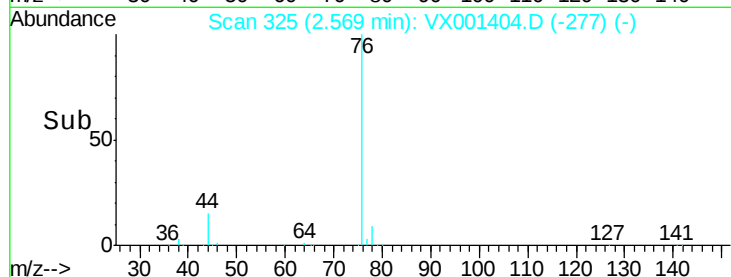
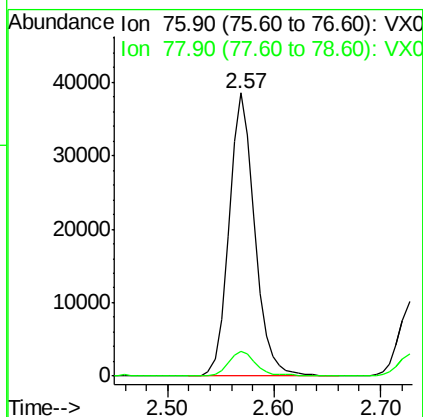
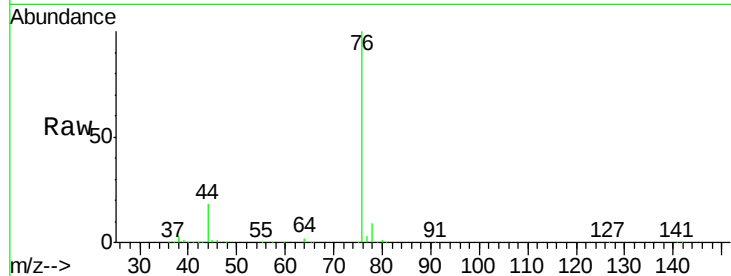




#17
Carbon Disulfide
Concen: 8.42 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

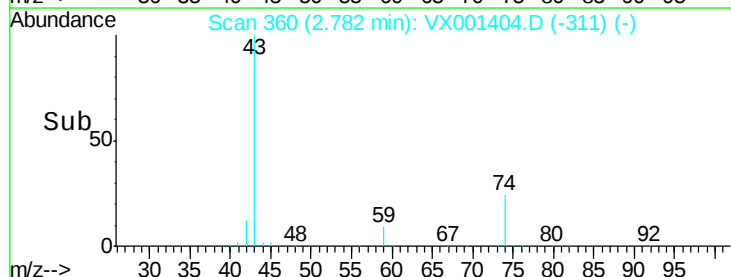
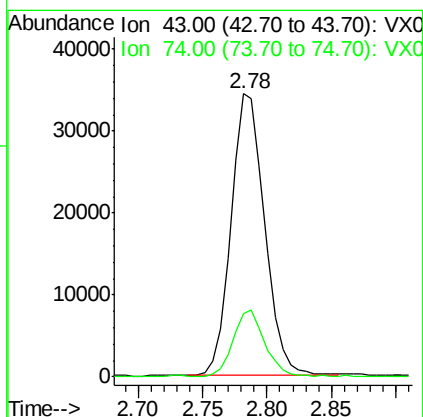
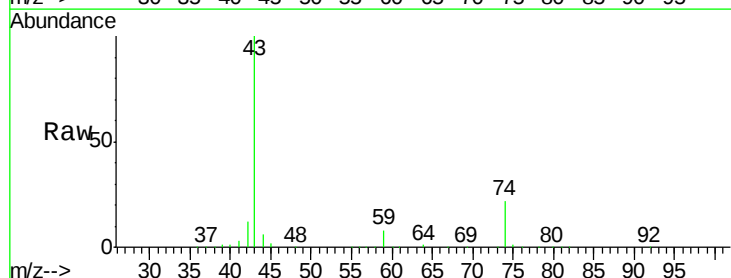
Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

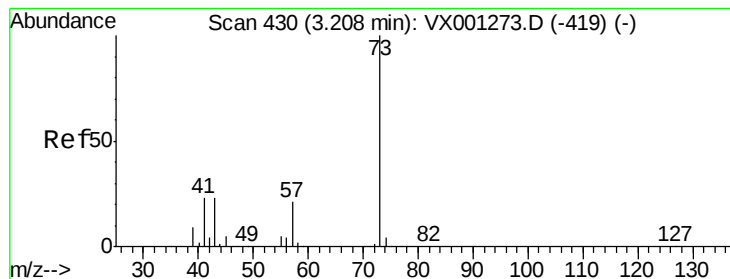
Tgt Ion: 76 Resp: 65069
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4



#18
Methyl Acetate
Concen: 15.12 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion: 43 Resp: 62392
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.6





#19

Methyl tert-butyl Ether

Concen: 11.72 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

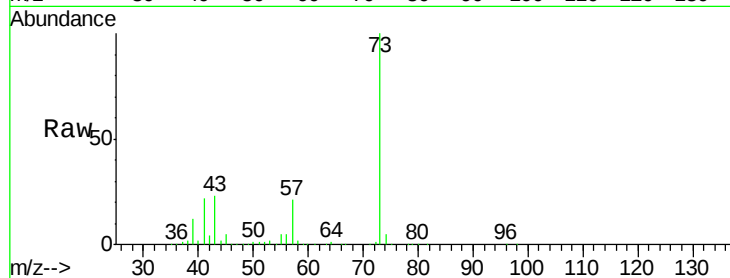
VX0504WBSD01

Tgt Ion: 73 Resp: 118449

Ion Ratio Lower Upper

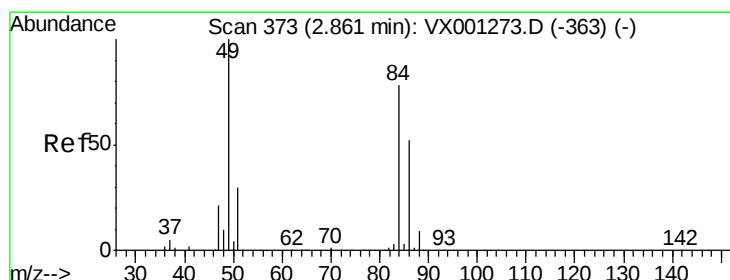
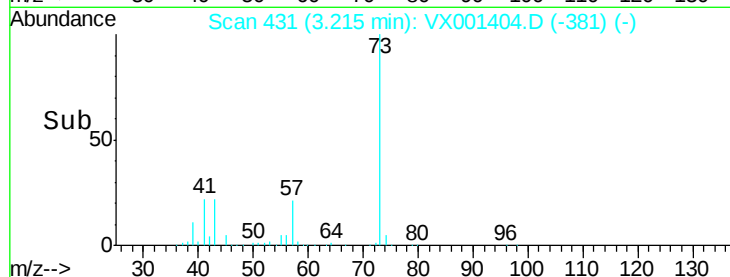
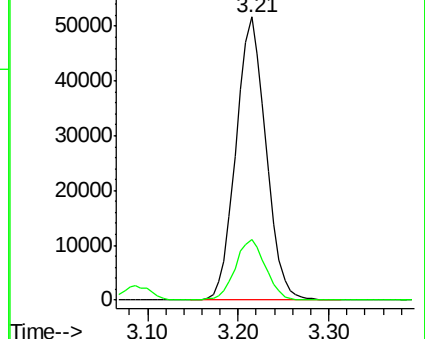
73 100

57 21.4 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 10.66 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Tgt Ion: 84 Resp: 37573

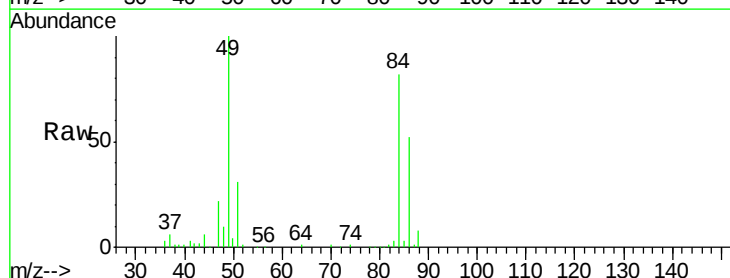
Ion Ratio Lower Upper

84 100

49 122.2 102.8 154.2

51 37.7 30.9 46.3

86 63.2 53.0 79.4

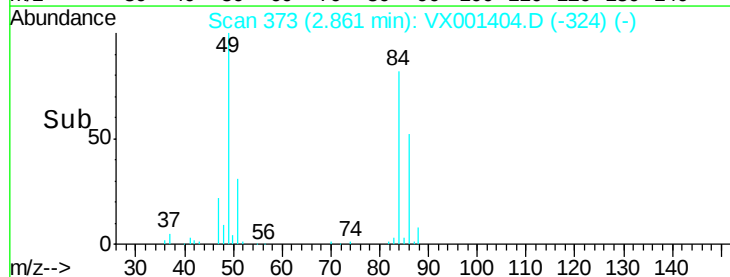
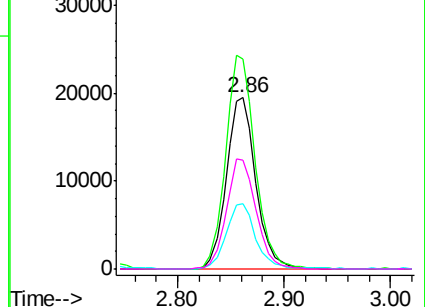


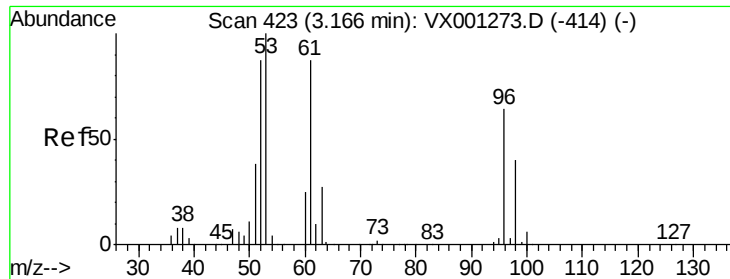
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 10.33 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

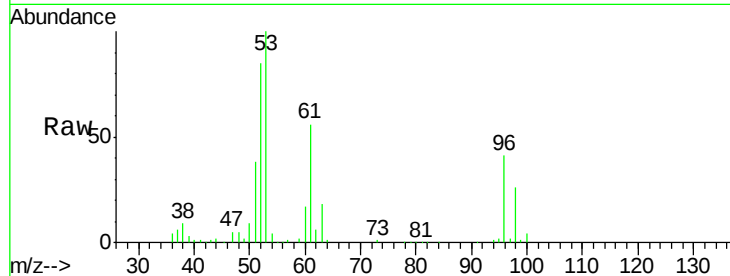
Tgt Ion: 96 Resp: 33354

Ion Ratio Lower Upper

96 100

61 135.8 108.6 162.8

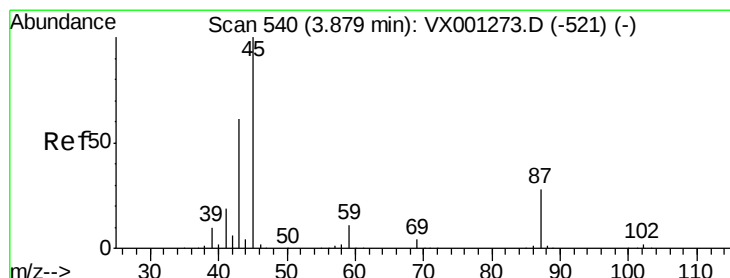
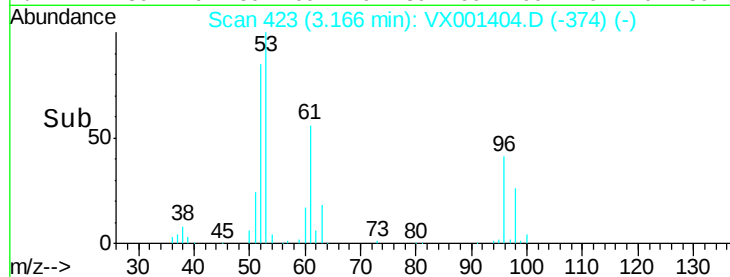
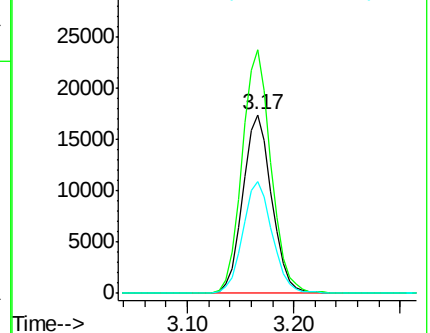
98 62.5 49.7 74.5



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 11.78 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Tgt Ion: 45 Resp: 117740

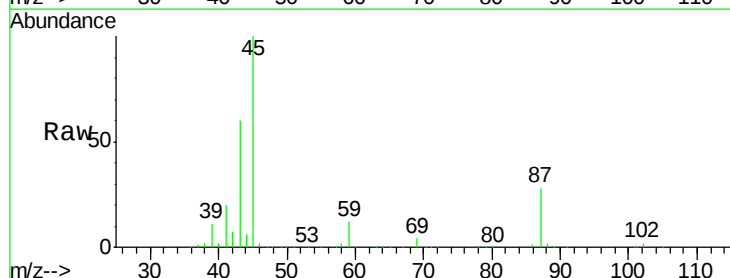
Ion Ratio Lower Upper

45 100

43 59.5 48.7 73.1

87 28.3 22.2 33.4

59 12.1 9.1 13.7

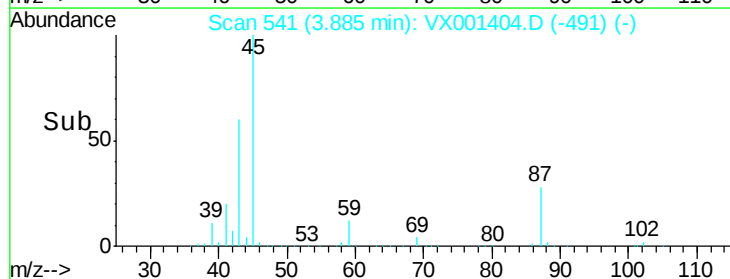
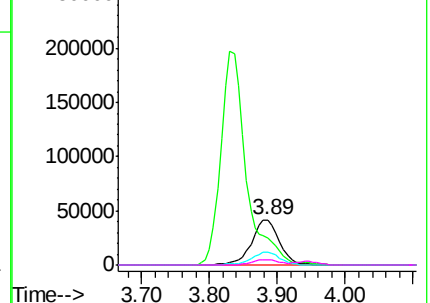


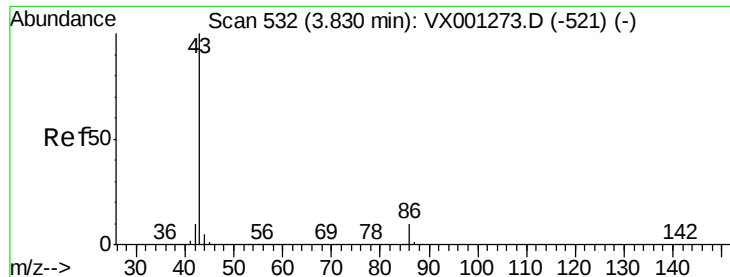
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 60.84 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

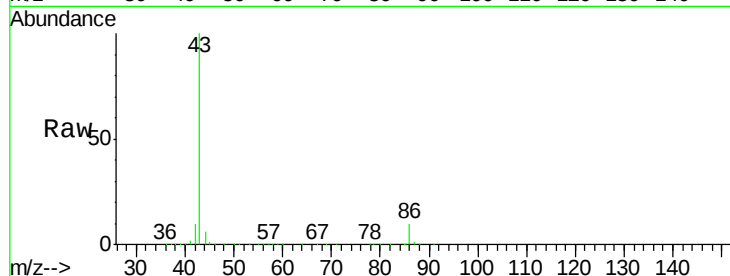
VX0504WBSD01

Tgt Ion: 43 Resp: 515362

Ion Ratio Lower Upper

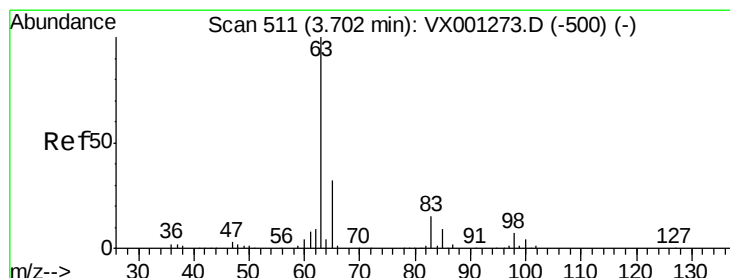
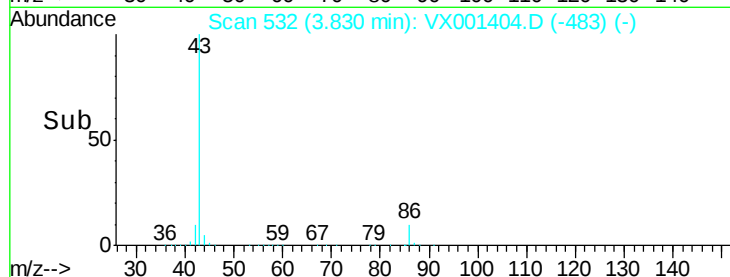
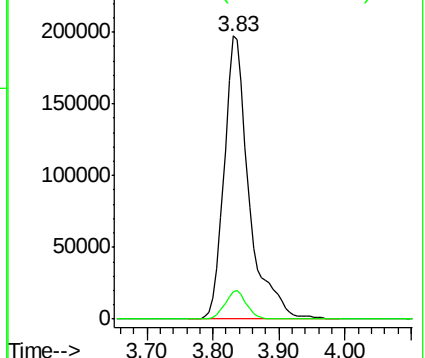
43 100

86 9.8 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 11.99 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

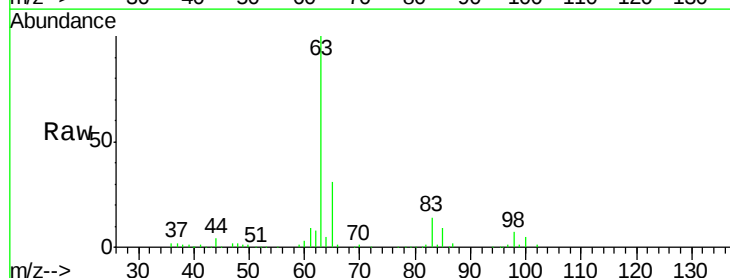
Tgt Ion: 63 Resp: 66769

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

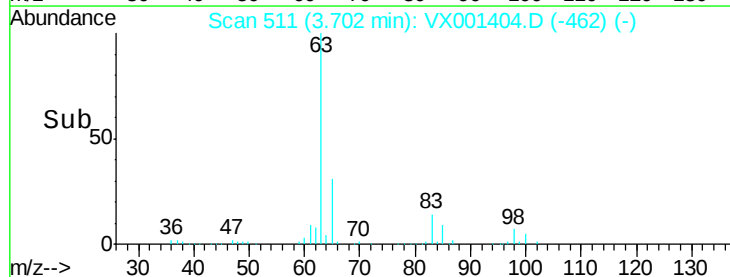
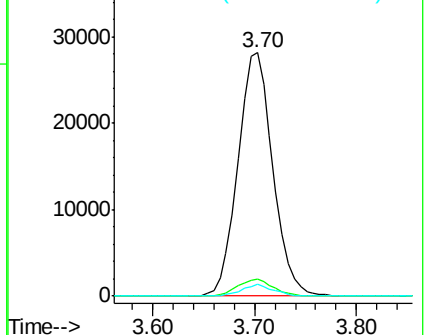
100 4.9 2.3 6.8

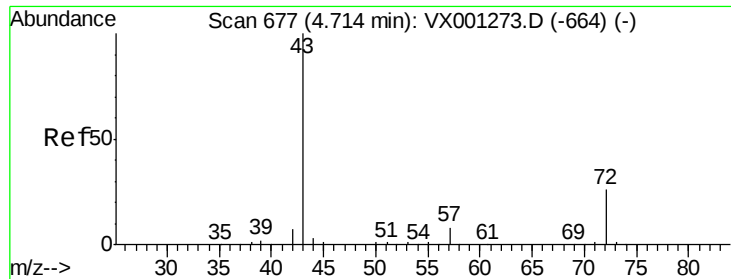


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 62.38 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

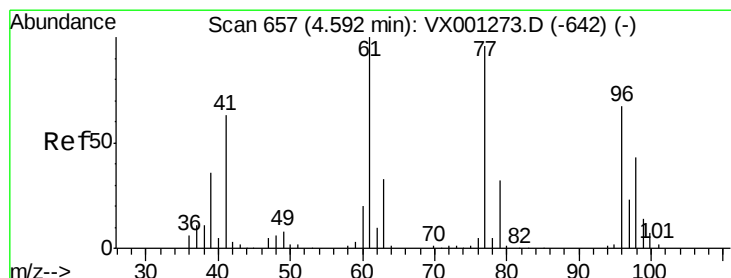
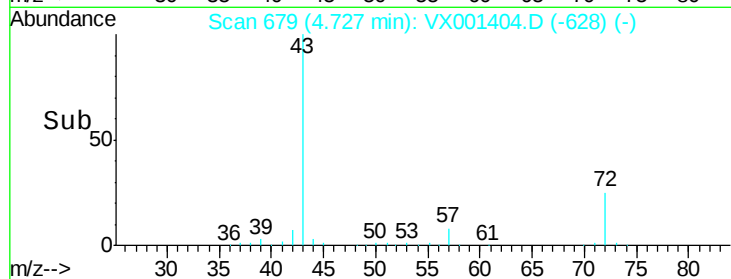
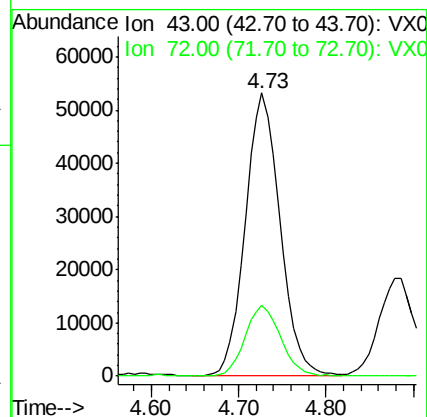
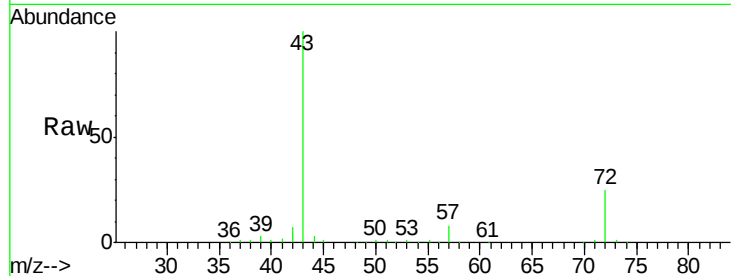
VX0504WBSD01

Tgt Ion: 43 Resp: 147388

Ion Ratio Lower Upper

43 100

72 25.2 20.5 30.7



#26

2,2-Dichloropropane

Concen: 9.31 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001404.D

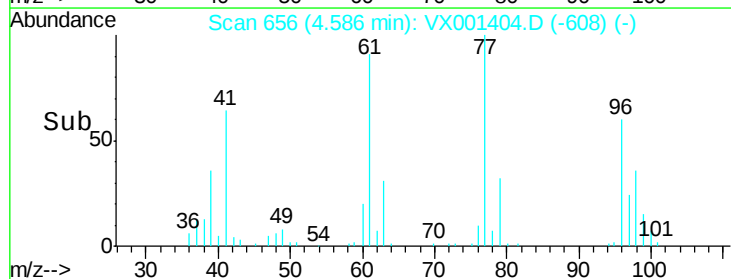
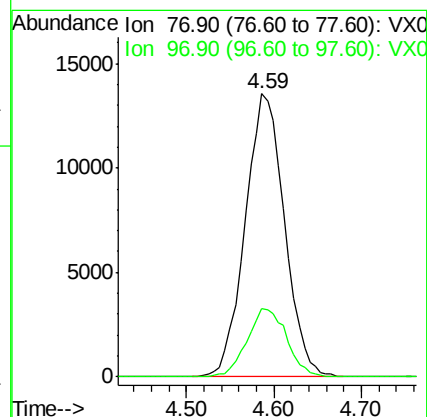
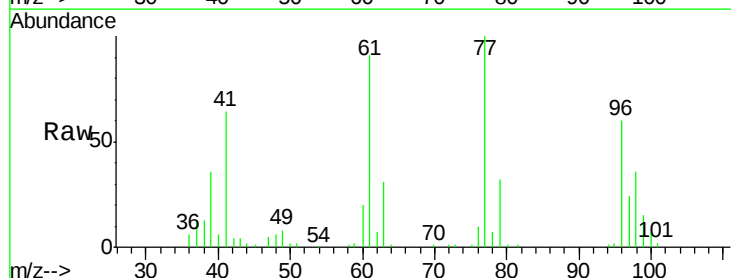
Acq: 04 May 2018 18:32

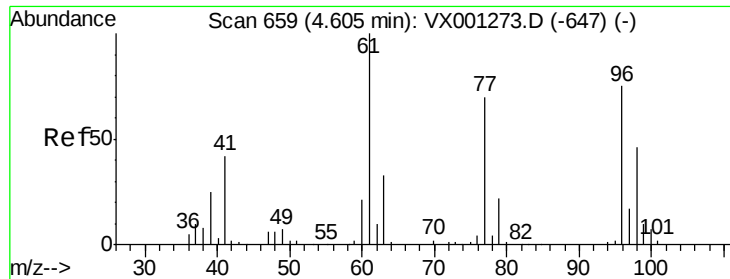
Tgt Ion: 77 Resp: 42204

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 10.28 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

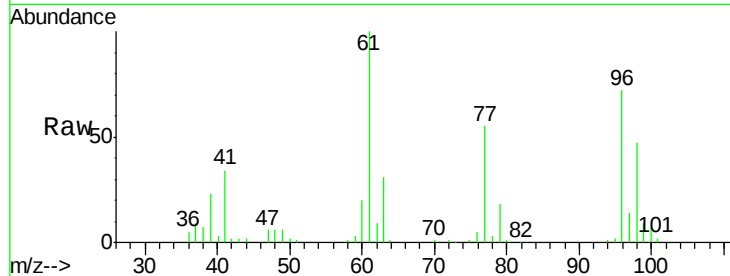
Tgt Ion: 96 Resp: 36479

Ion Ratio Lower Upper

96 100

61 151.7 0.0 288.0

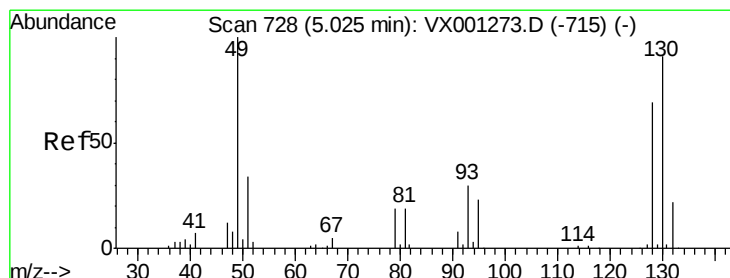
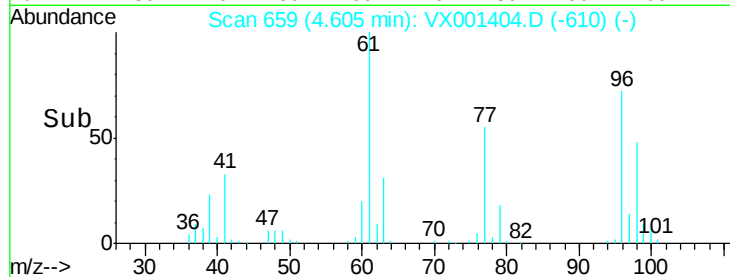
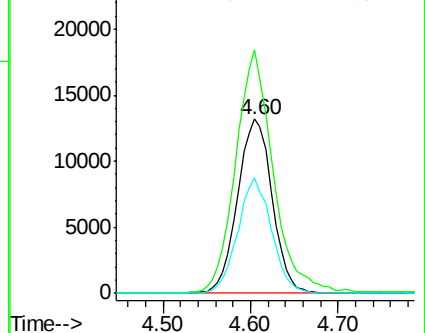
98 64.1 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 12.36 ug/l

RT: 5.03 min Scan# 729

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

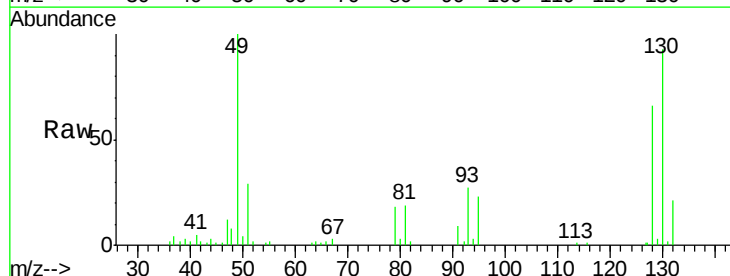
Tgt Ion: 49 Resp: 30937

Ion Ratio Lower Upper

49 100

129 2.8 0.0 4.8

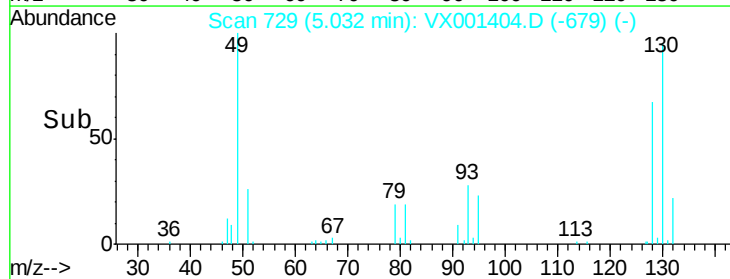
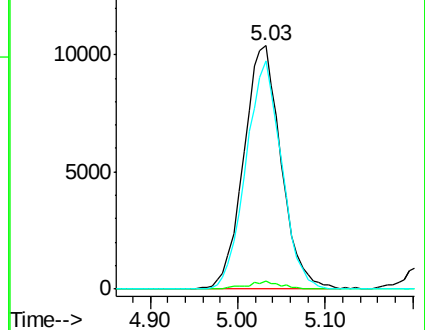
130 89.0 70.4 105.6

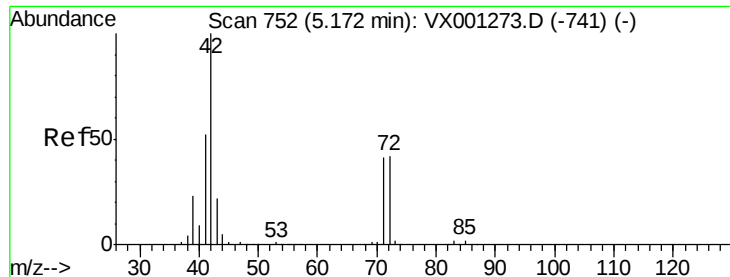


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 63.31 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

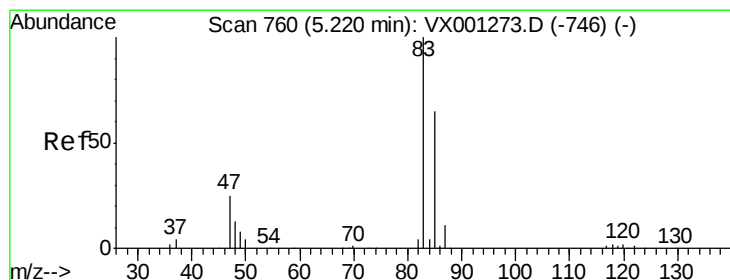
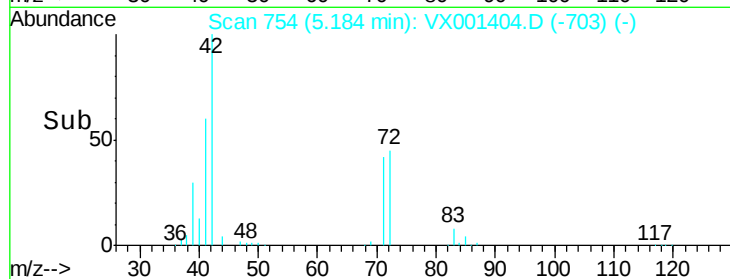
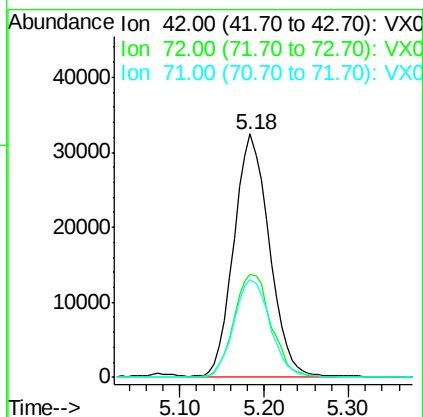
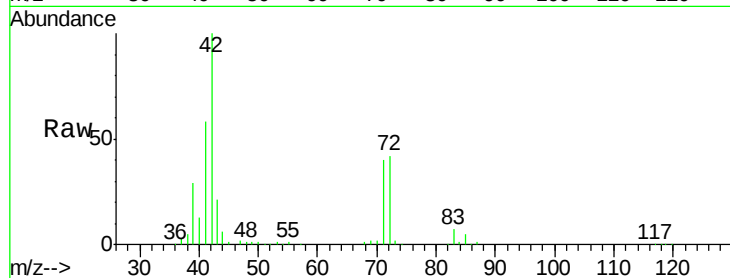
Tgt Ion: 42 Resp: 91998

Ion Ratio Lower Upper

42 100

72 44.9 34.6 52.0

71 41.6 32.7 49.1



#30

Chloroform

Concen: 10.78 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX001404.D

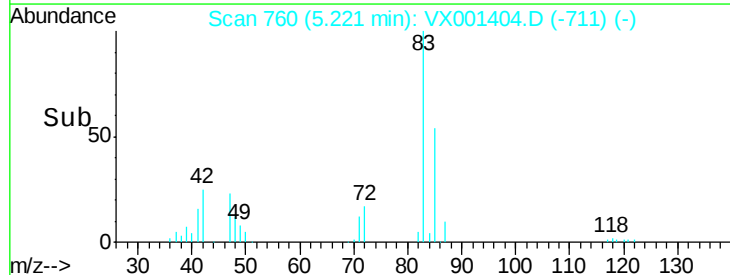
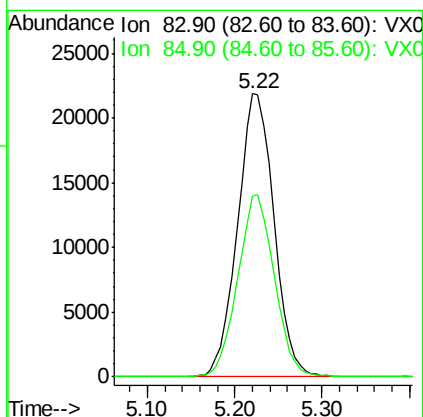
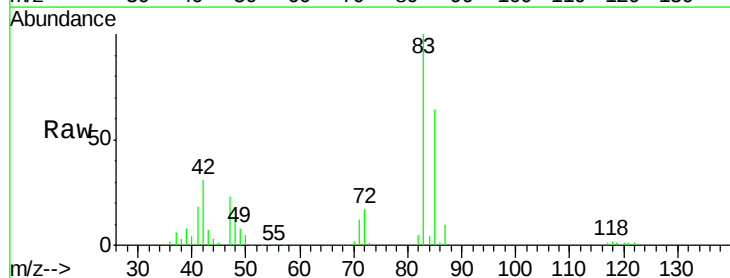
Acq: 04 May 2018 18:32

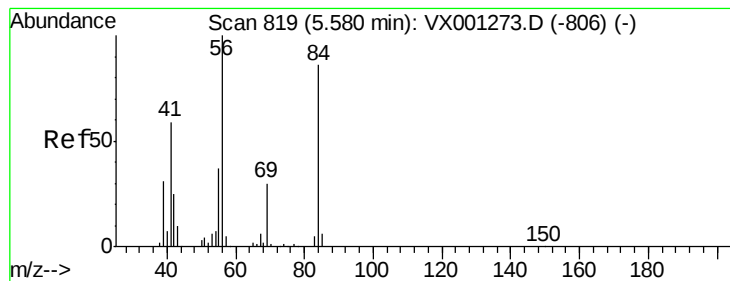
Tgt Ion: 83 Resp: 63447

Ion Ratio Lower Upper

83 100

85 63.9 52.2 78.2





#31

Cyclohexane

Concen: 8.93 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

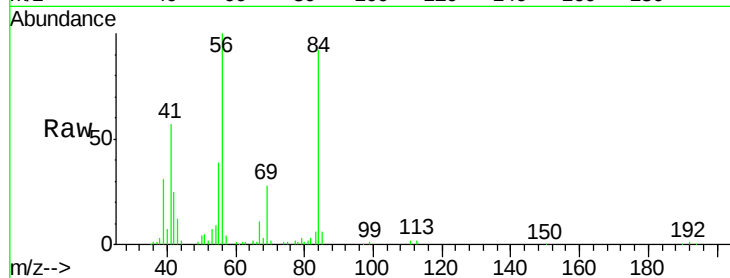
Tgt Ion: 56 Resp: 44913

Ion Ratio Lower Upper

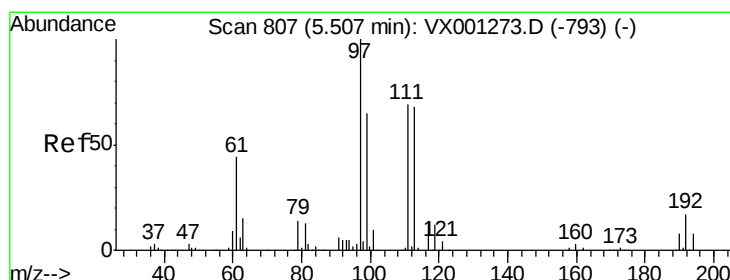
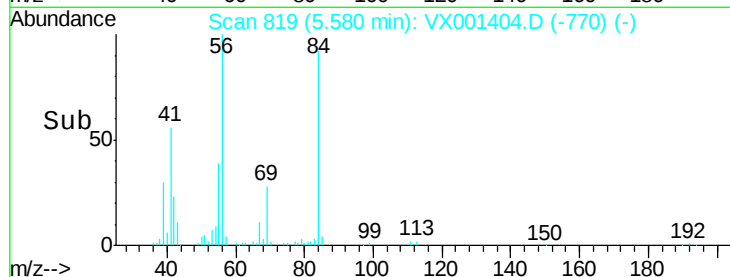
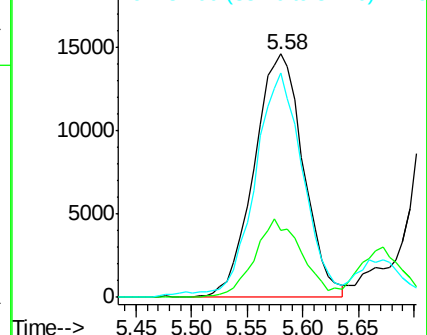
56 100

69 27.5 24.0 36.0

84 90.4 69.0 103.4



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: 10.22 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

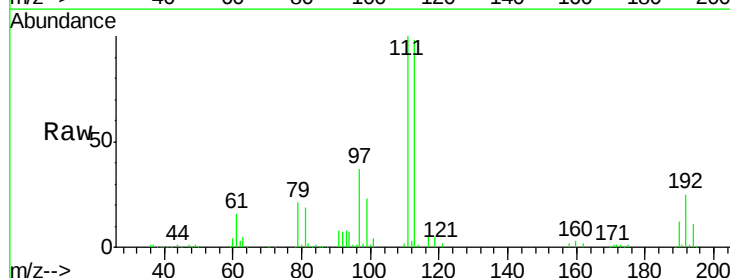
Tgt Ion: 97 Resp: 52571

Ion Ratio Lower Upper

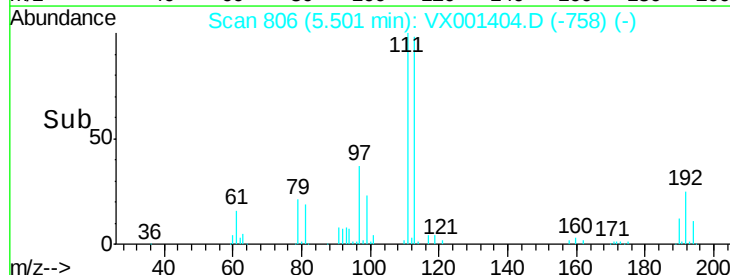
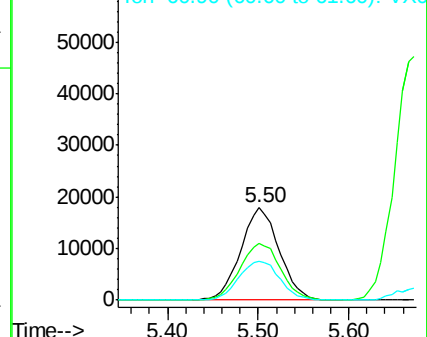
97 100

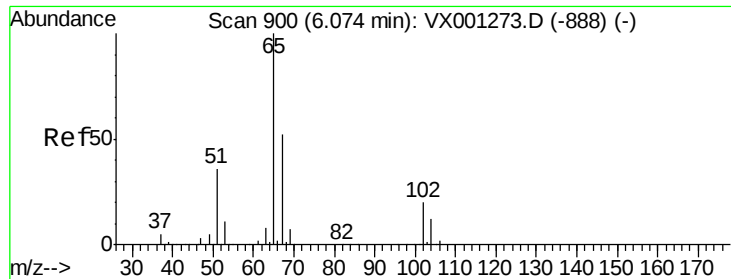
99 64.9 51.8 77.6

61 45.0 35.4 53.2



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.58 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

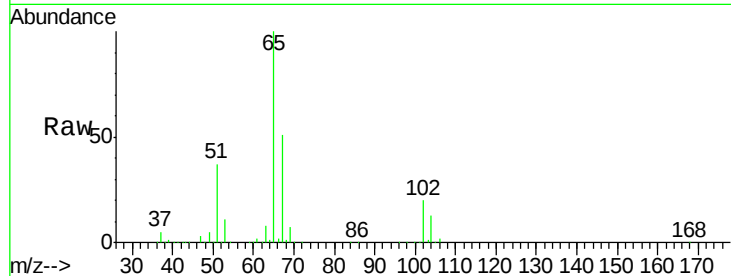
VX0504WBSD01

Tgt Ion: 65 Resp: 186604

Ion Ratio Lower Upper

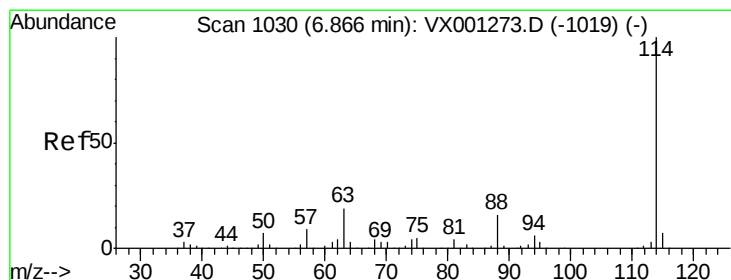
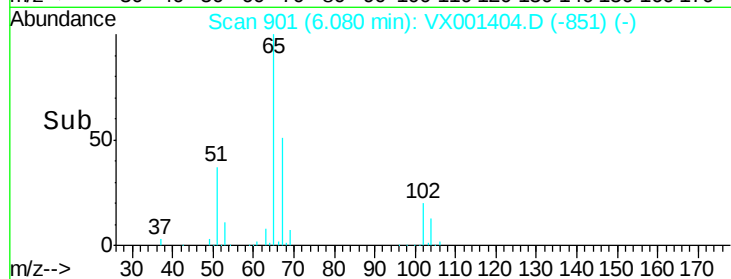
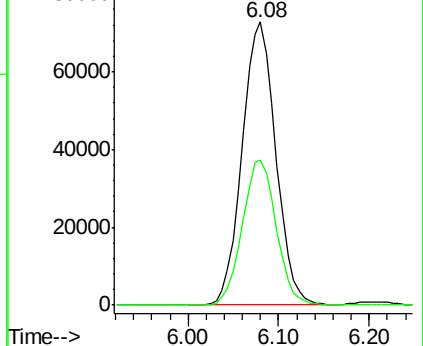
65 100

67 51.7 0.0 102.8



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: VX001404.D

Acq: 04 May 2018 18:32

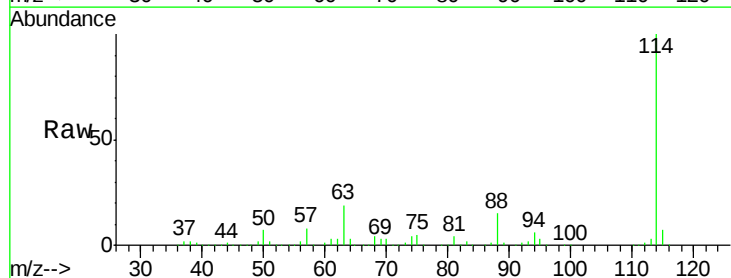
Tgt Ion: 114 Resp: 390603

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.8

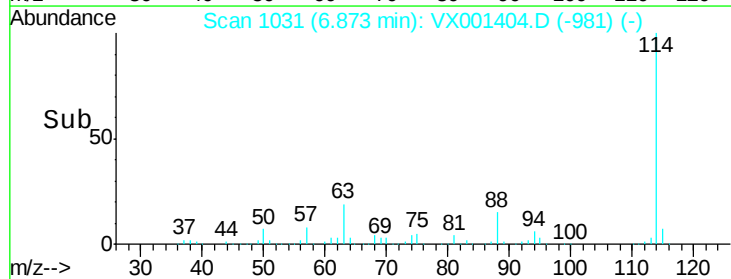
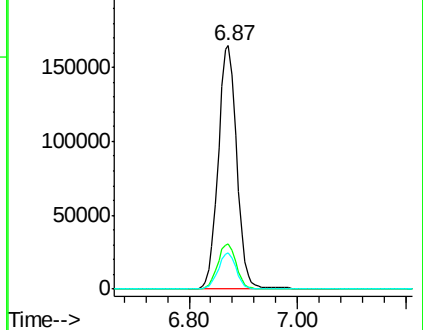
88 14.8 0.0 32.2

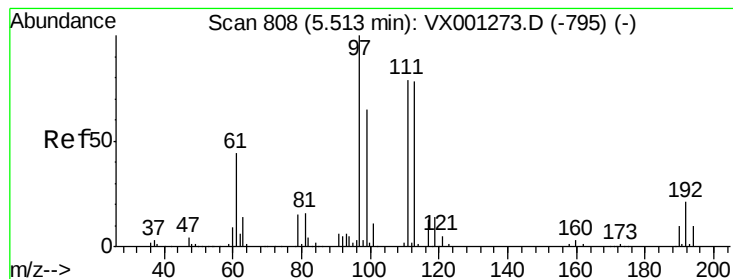


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.55 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

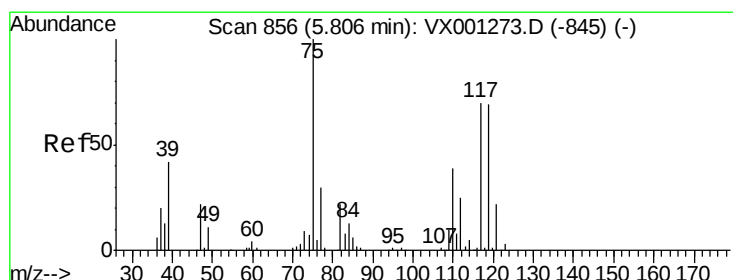
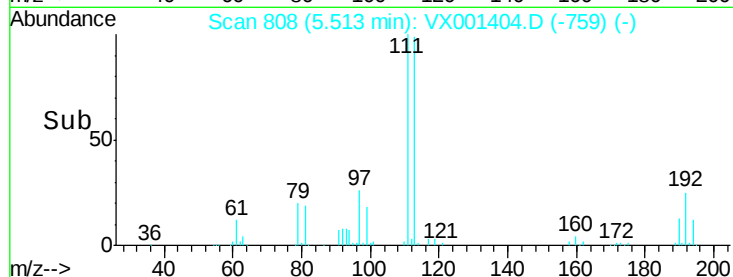
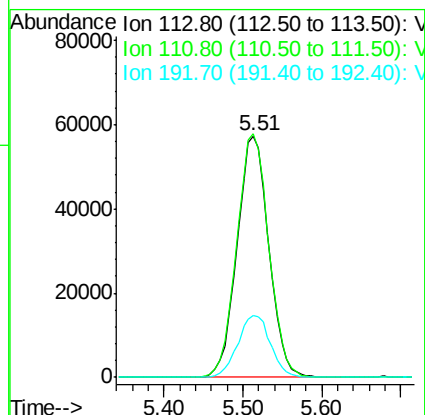
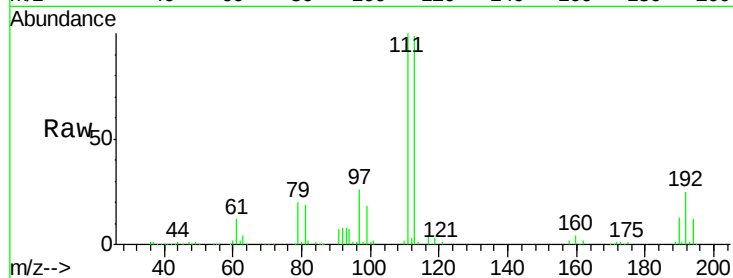
Tgt Ion:113 Resp: 160001

Ion Ratio Lower Upper

113 100

111 101.8 81.2 121.8

192 26.4 20.7 31.1



#36

1,1-Dichloropropene

Concen: 9.43 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

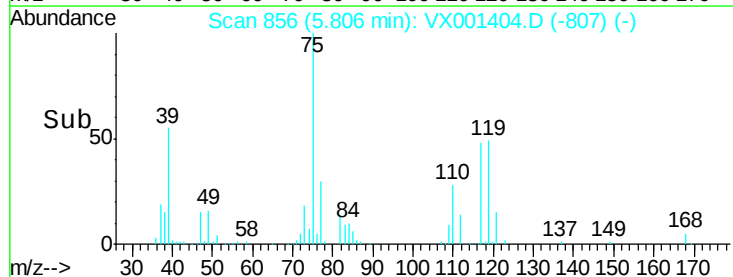
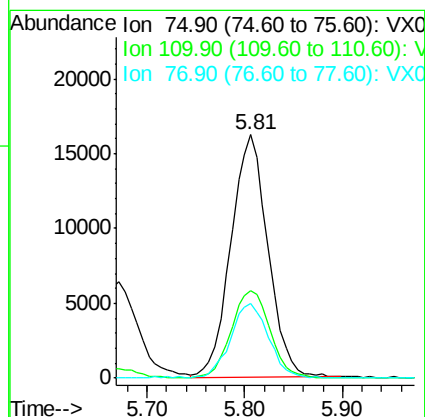
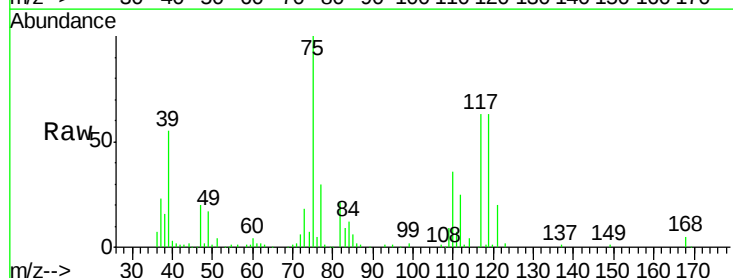
Tgt Ion: 75 Resp: 42504

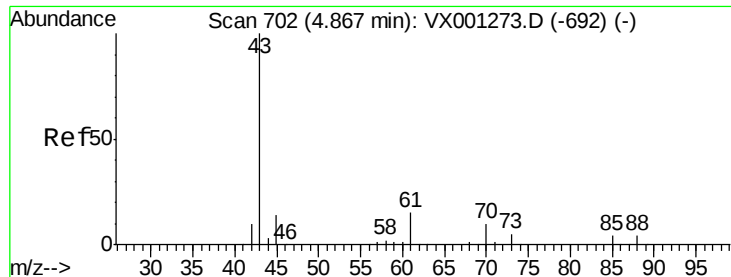
Ion Ratio Lower Upper

75 100

110 37.9 18.9 56.9

77 31.6 24.2 36.2

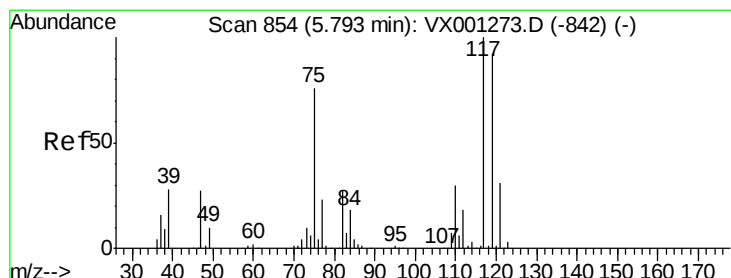
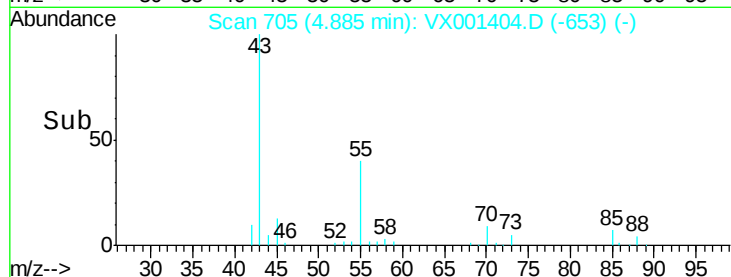
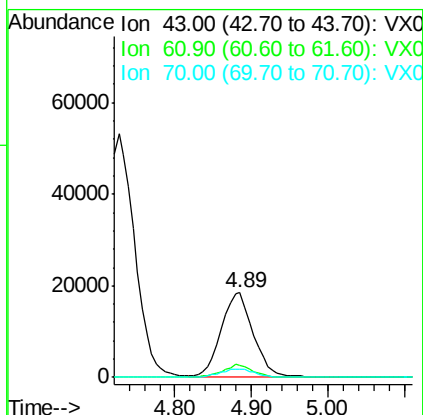
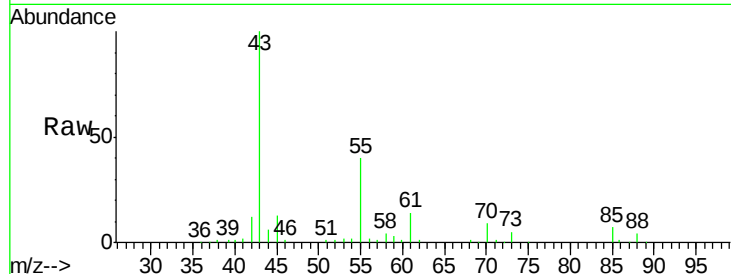




#37
Ethyl Acetate
Concen: 11.66 ug/l
RT: 4.89 min Scan# 705
Delta R.T. 0.02 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

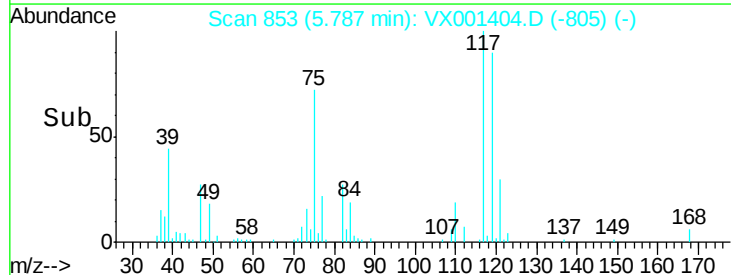
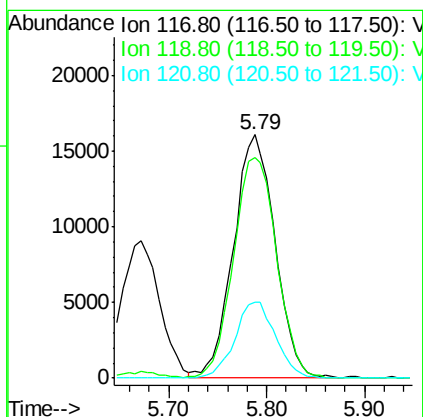
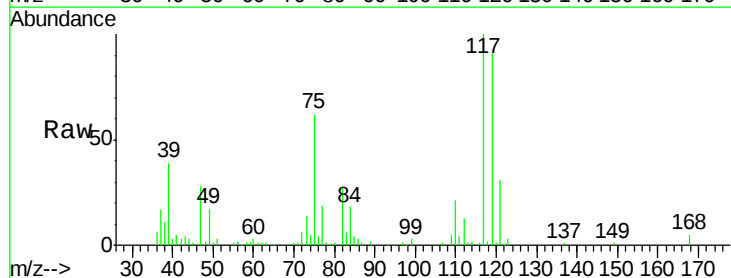
Instrument :
MSVOA_X
ClientSampled :
VX0504WBSD01

Tgt Ion: 43 Resp: 53066
Ion Ratio Lower Upper
43 100
61 14.0 10.7 16.1
70 10.7 8.0 12.0



#38
Carbon Tetrachloride
Concen: 10.08 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion: 117 Resp: 47586
Ion Ratio Lower Upper
117 100
119 90.8 73.4 110.2
121 31.2 25.0 37.4

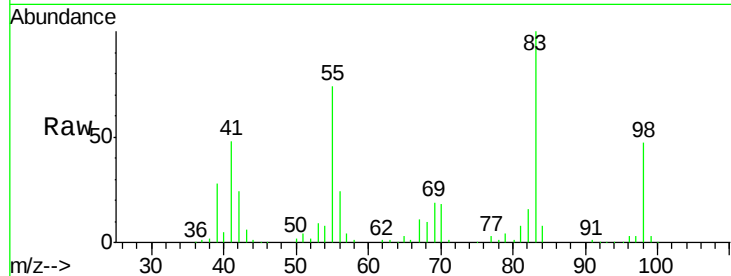




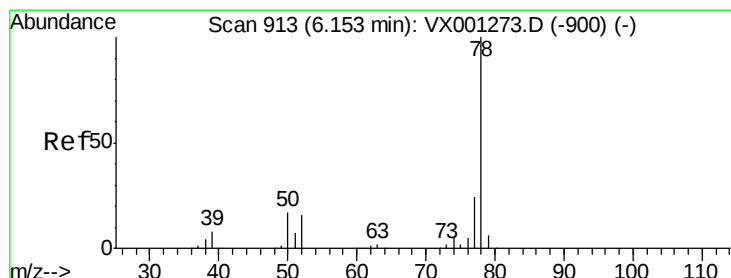
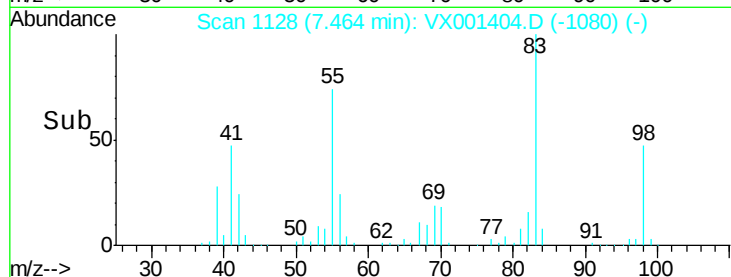
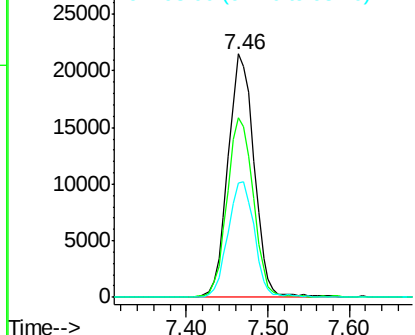
#39
Methylcyclohexane
Concen: 8.91 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tgt Ion: 83 Resp: 47492
Ion Ratio Lower Upper
83 100
55 73.5 60.4 90.6
98 47.0 37.0 55.6

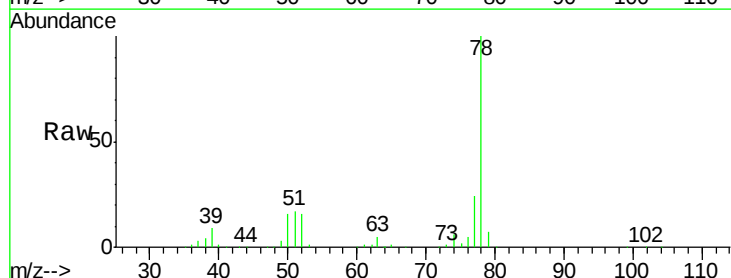


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

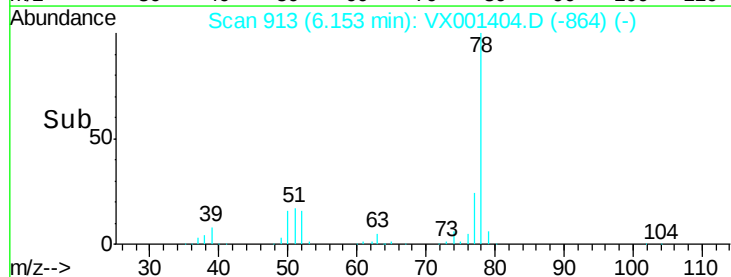
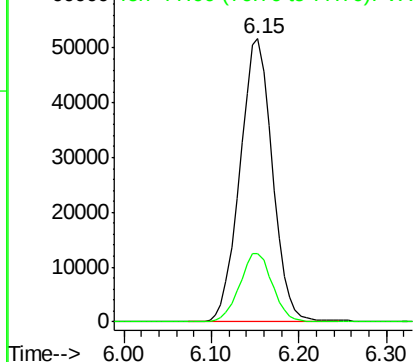


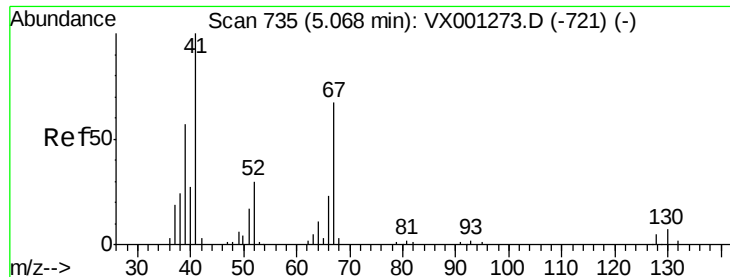
#40
Benzene
Concen: 10.28 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion: 78 Resp: 133325
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4



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





#41

Methacrylonitrile

Concen: 11.15 ug/l

RT: 5.08 min Scan# 737

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tgt Ion: 41 Resp: 29564

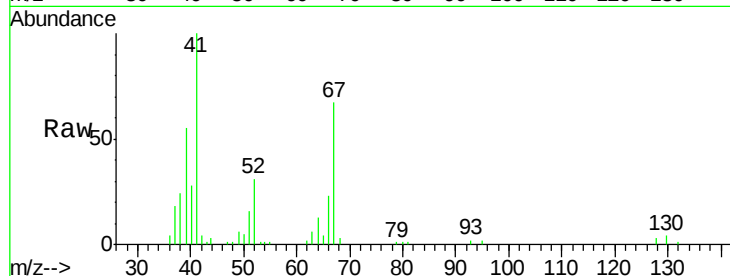
Ion Ratio Lower Upper

41 100

39 56.6 45.8 68.8

67 72.5 54.8 82.2

52 32.8 24.6 37.0

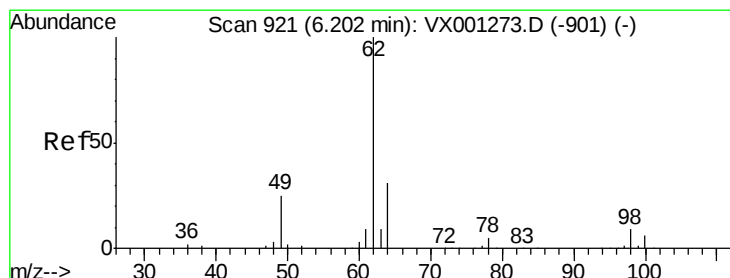
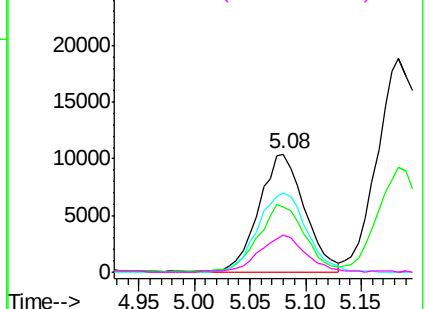
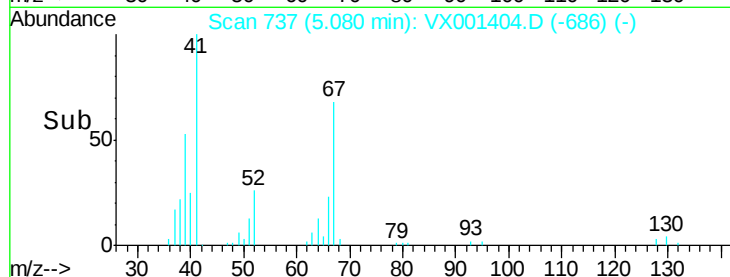


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 10.22 ug/l

RT: 6.21 min Scan# 922

Delta R.T. 0.01 min

Lab File: VX001404.D

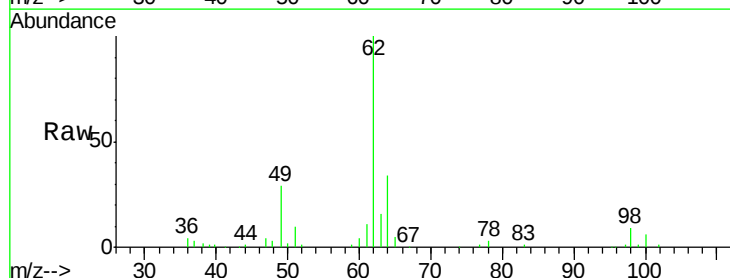
Acq: 04 May 2018 18:32

Tgt Ion: 62 Resp: 51311

Ion Ratio Lower Upper

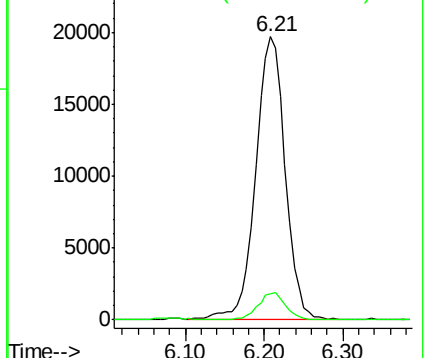
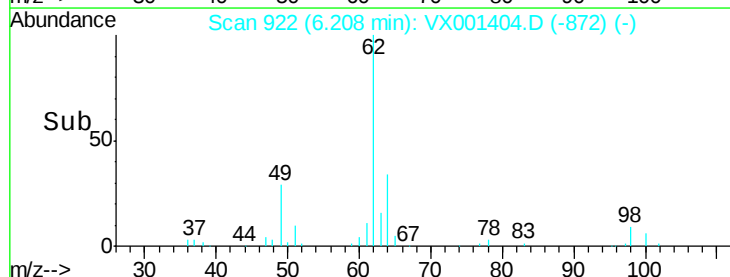
62 100

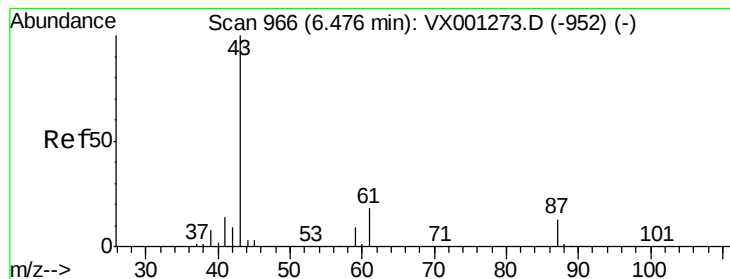
98 9.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 11.08 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

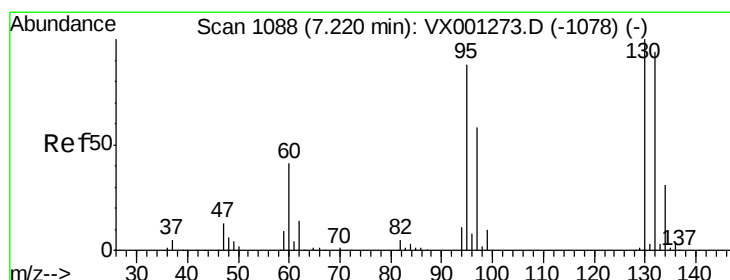
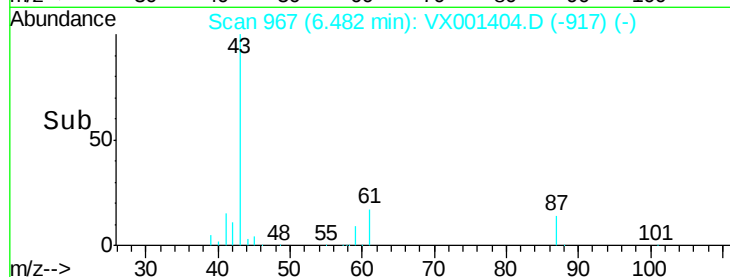
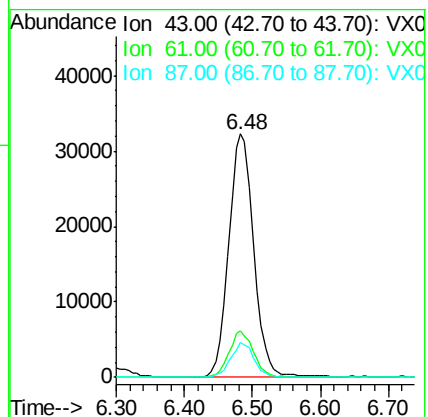
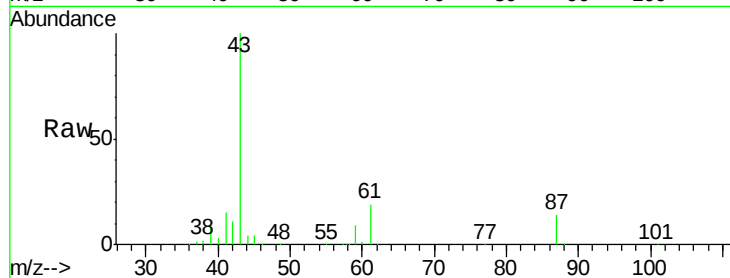
Tgt Ion: 43 Resp: 81624

Ion Ratio Lower Upper

43 100

61 18.8 15.0 22.4

87 13.4 10.2 15.4



#44

Trichloroethene

Concen: 10.63 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001404.D

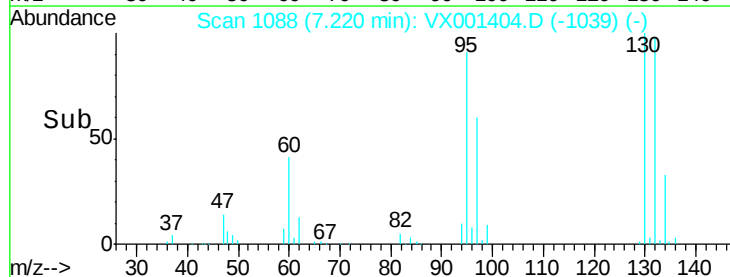
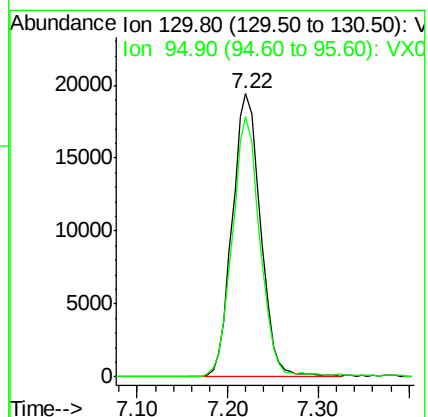
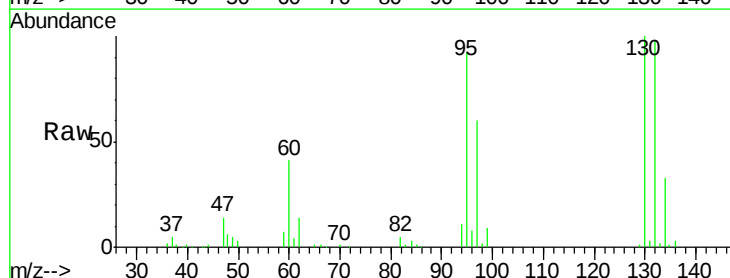
Acq: 04 May 2018 18:32

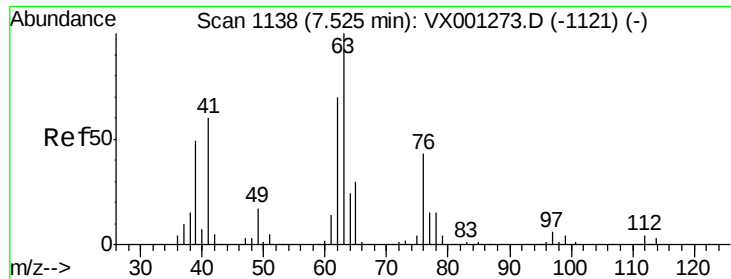
Tgt Ion: 130 Resp: 42205

Ion Ratio Lower Upper

130 100

95 92.0 0.0 176.0





#45

1,2-Dichloropropane

Concen: 10.75 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

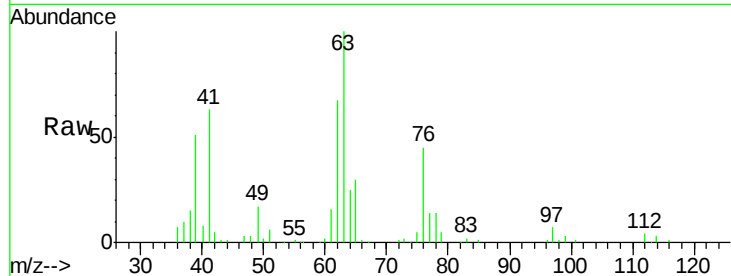
VX0504WBSD01

Tgt Ion: 63 Resp: 35806

Ion Ratio Lower Upper

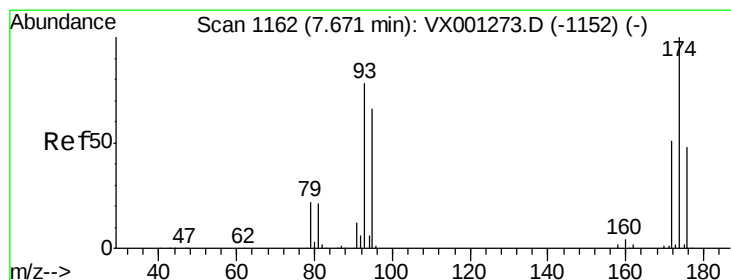
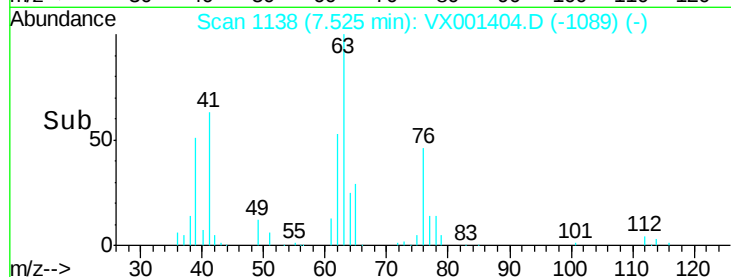
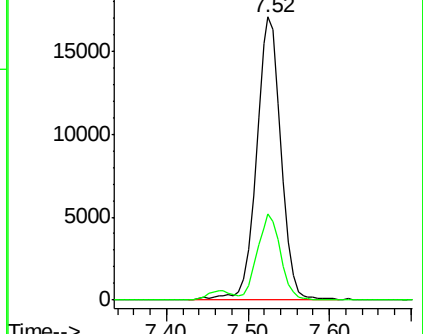
63 100

65 30.3 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 10.57 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

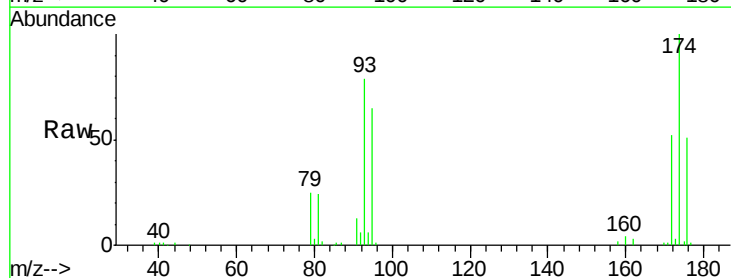
Tgt Ion: 93 Resp: 24668

Ion Ratio Lower Upper

93 100

95 83.0 67.0 100.6

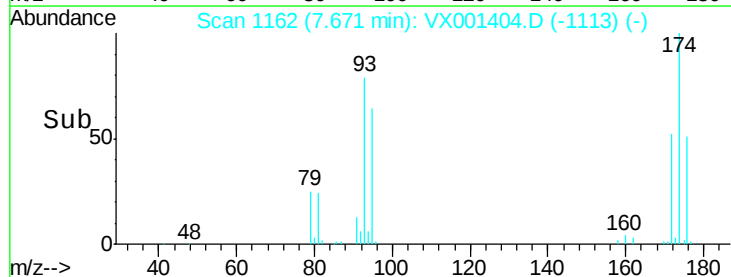
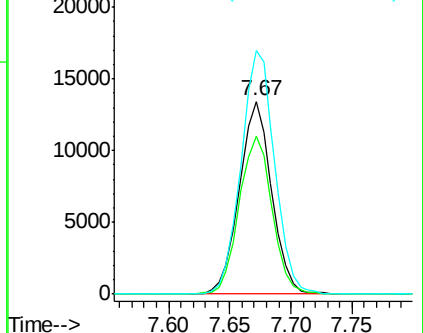
174 131.2 102.3 153.5

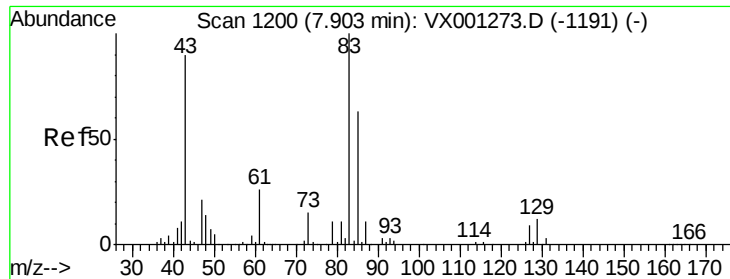


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 10.31 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

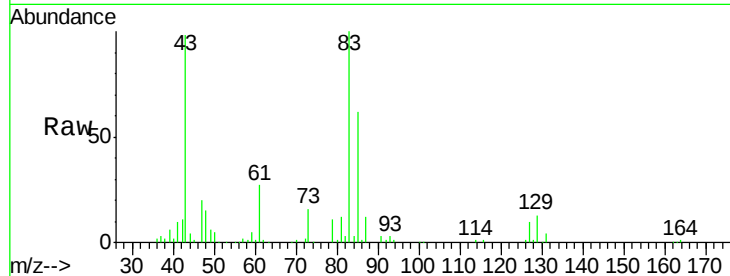
Tgt Ion: 83 Resp: 43041

Ion Ratio Lower Upper

83 100

85 61.5 50.3 75.5

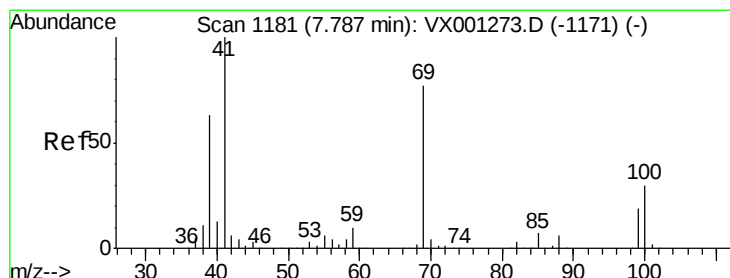
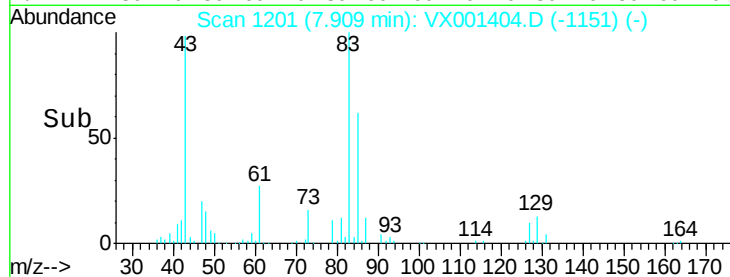
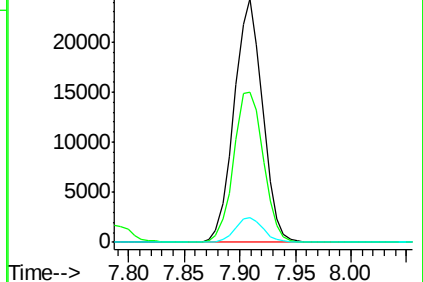
127 10.2 7.4 11.2



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: 11.09 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

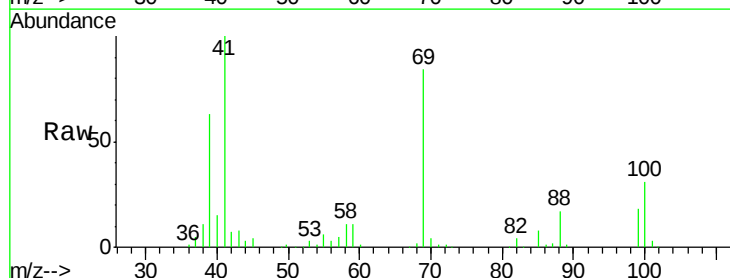
Tgt Ion: 41 Resp: 43457

Ion Ratio Lower Upper

41 100

69 80.7 63.0 94.6

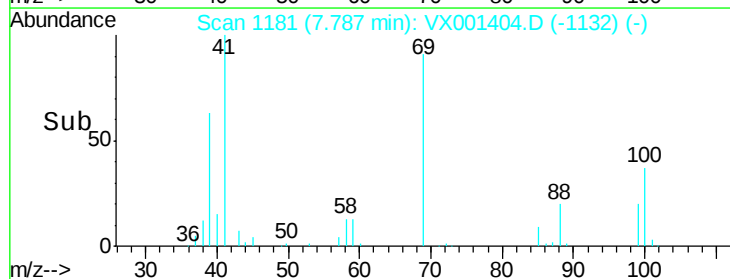
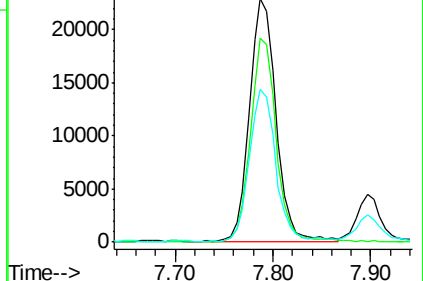
39 63.0 50.2 75.4

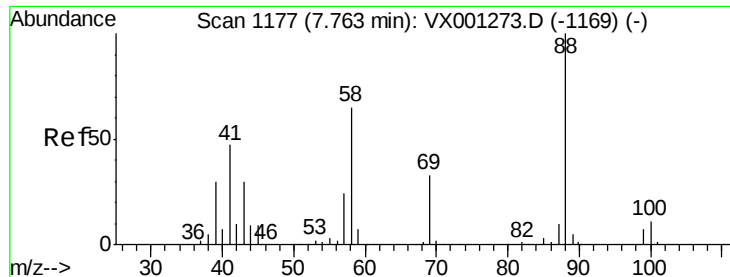


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

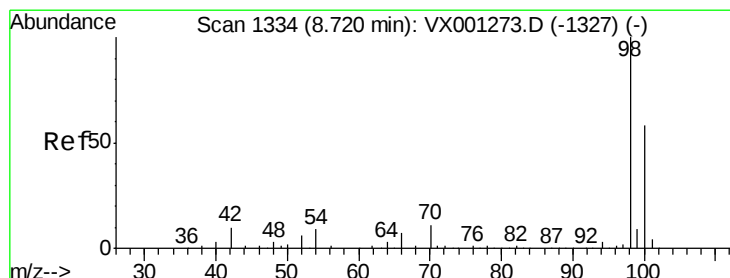
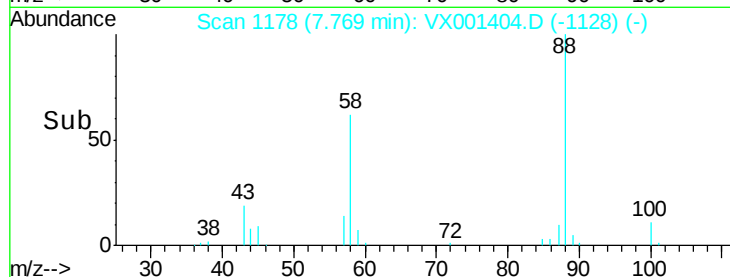
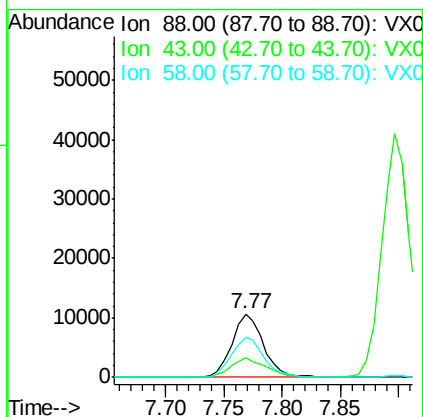
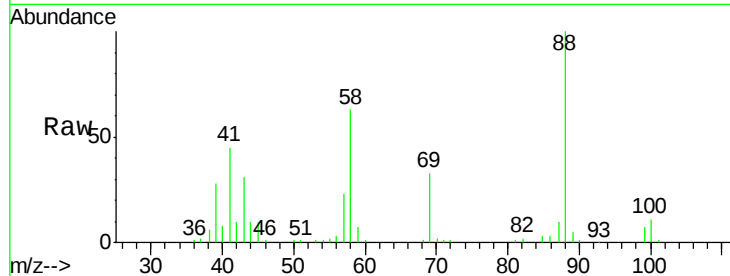




#49
1,4-Dioxane
Concen: 270.32 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

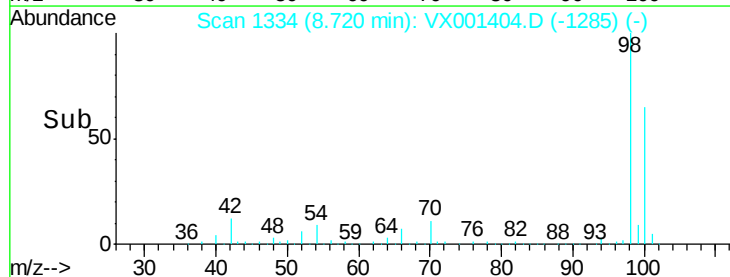
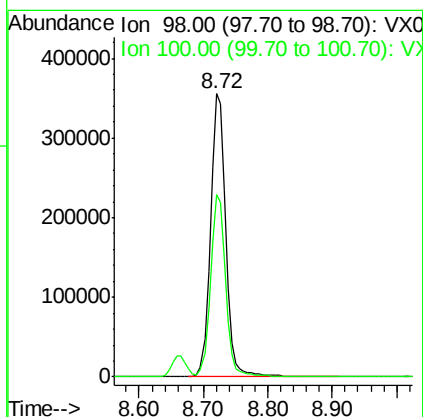
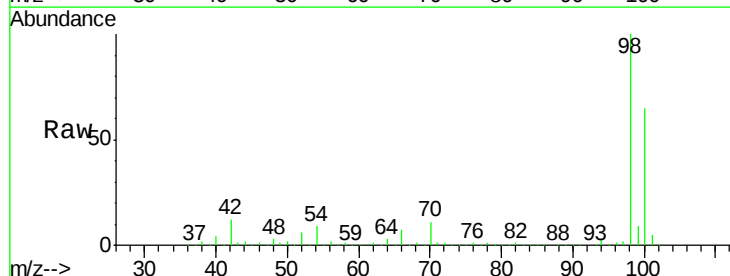
Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

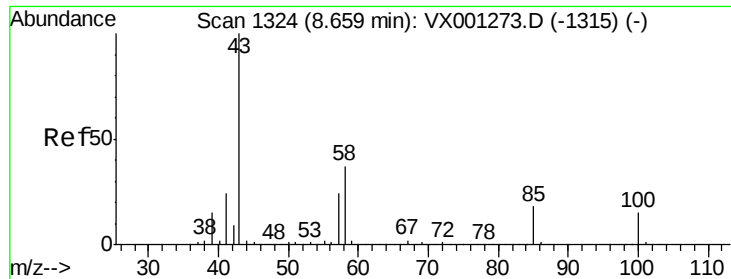
Tgt Ion: 88 Resp: 19985
Ion Ratio Lower Upper
88 100
43 36.1 27.9 41.9
58 66.2 54.2 81.2



#50
Toluene-d8
Concen: 49.06 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion: 98 Resp: 589800
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.4





#51

4-Methyl-2-Pentanone

Concen: 62.43 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

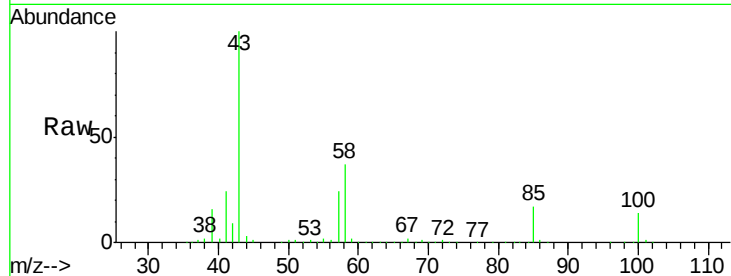
VX0504WBSD01

Tgt Ion: 43 Resp: 296619

Ion Ratio Lower Upper

43 100

58 36.0 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

200000

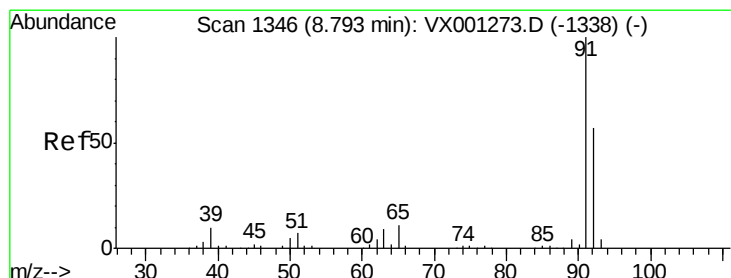
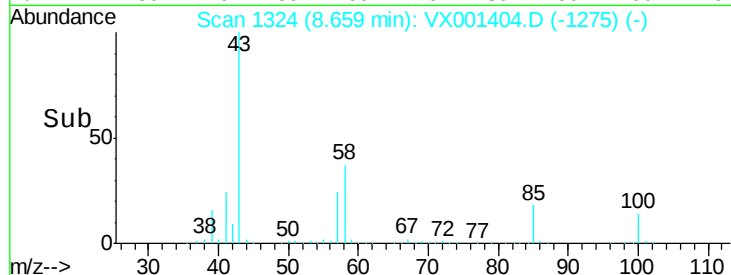
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 10.38 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001404.D

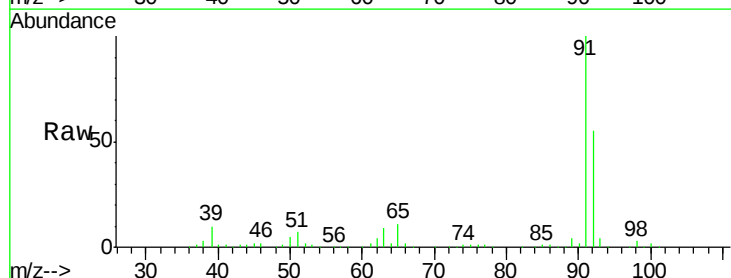
Acq: 04 May 2018 18:32

Tgt Ion: 92 Resp: 88019

Ion Ratio Lower Upper

92 100

91 173.7 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

100000

80000

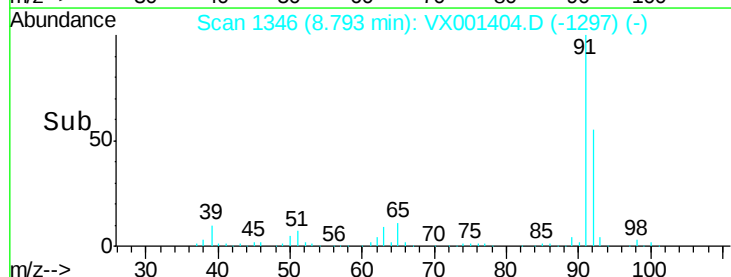
60000

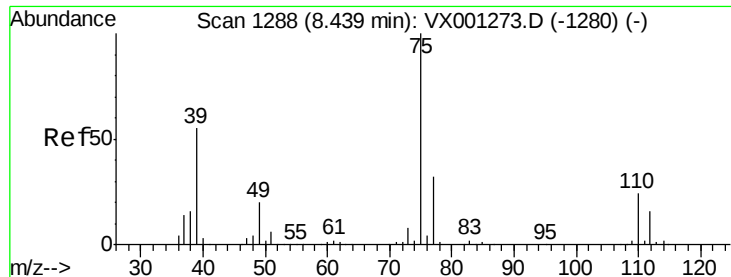
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 9.64 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

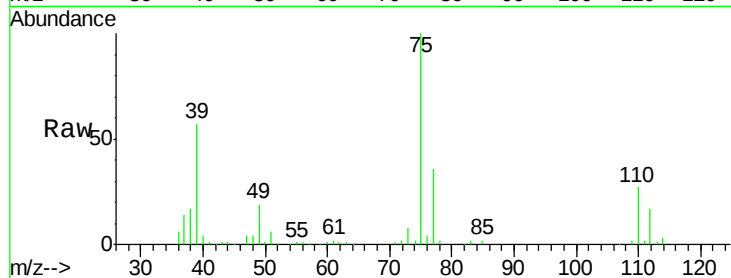
VX0504WBSD01

Tgt Ion: 75 Resp: 47873

Ion Ratio Lower Upper

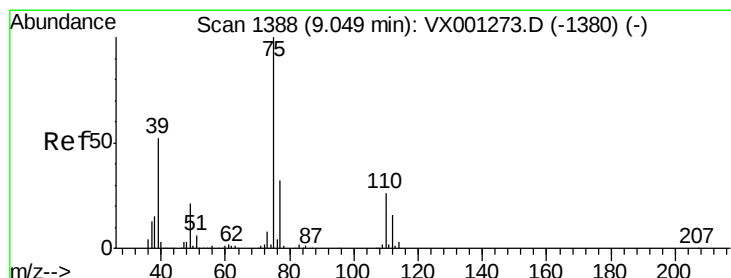
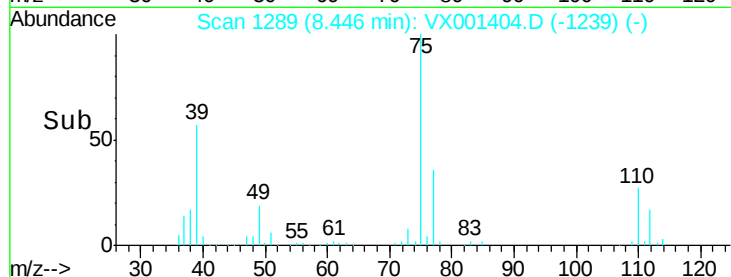
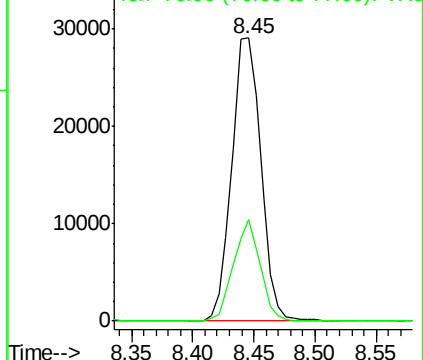
75 100

77 35.9 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 9.65 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

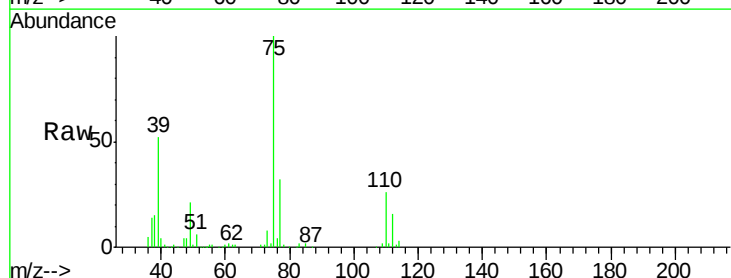
Tgt Ion: 75 Resp: 44056

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

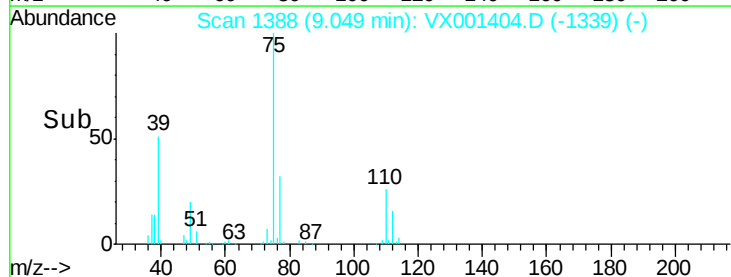
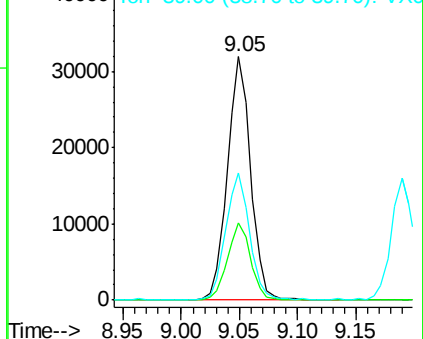
39 52.1 41.9 62.9

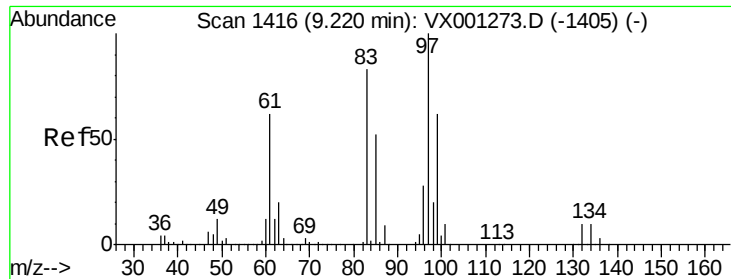


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

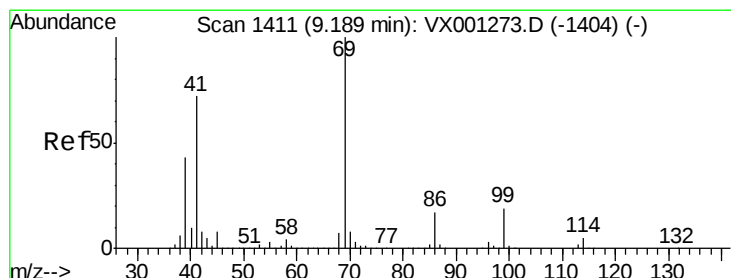
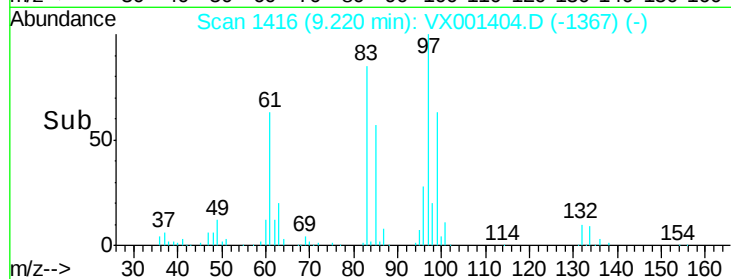
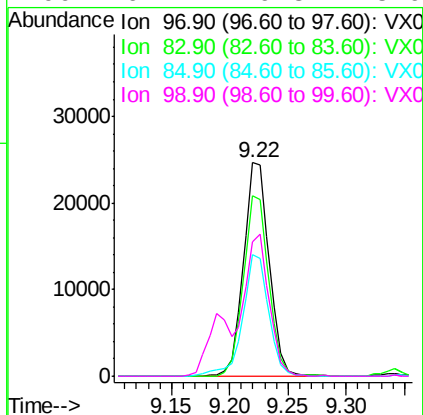
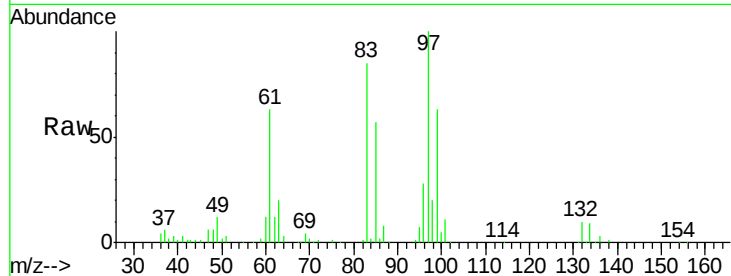




#55
 1,1,2-Trichloroethane
 Concen: 11.07 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

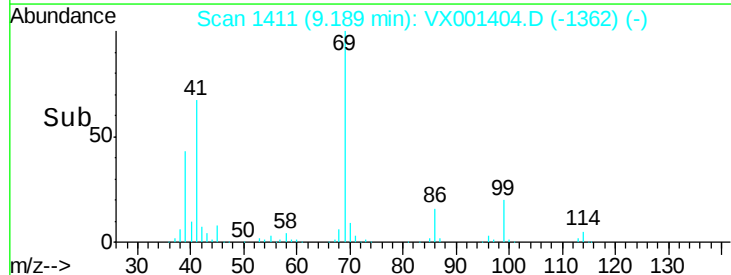
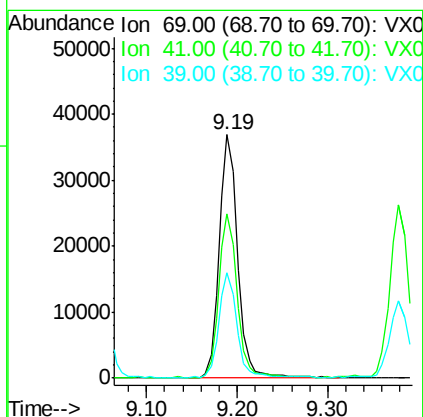
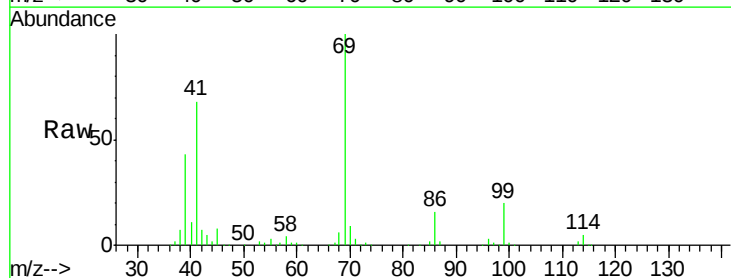
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

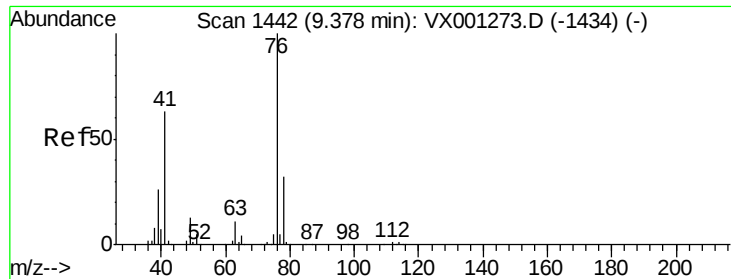
Tgt Ion:	97	Resp:	37897
Ion	Ratio	Lower	Upper
97	100		
83	84.5	66.4	99.6
85	57.2	41.6	62.4
99	62.4	49.3	73.9



#56
 Ethyl methacrylate
 Concen: 11.11 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Tgt Ion:	69	Resp:	52695
Ion	Ratio	Lower	Upper
69	100		
41	66.5	57.2	85.8
39	41.6	34.3	51.5





#57

1,3-Dichloropropane

Concen: 10.79 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

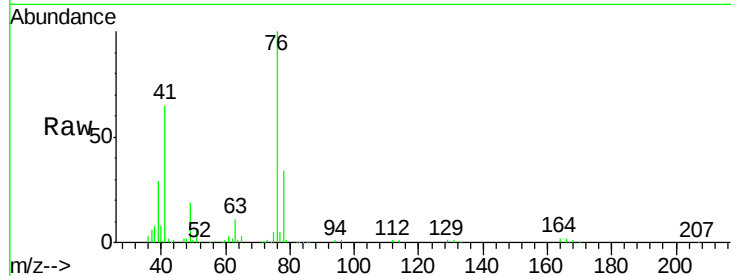
VX0504WBSD01

Tgt Ion: 76 Resp: 59438

Ion Ratio Lower Upper

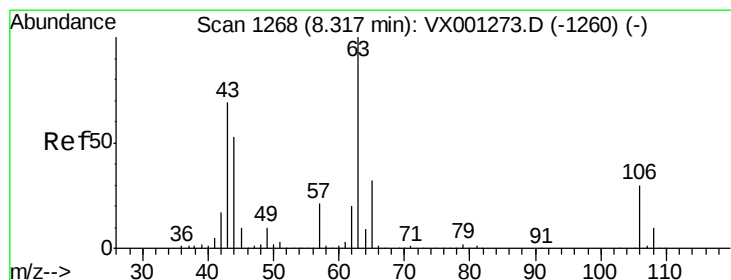
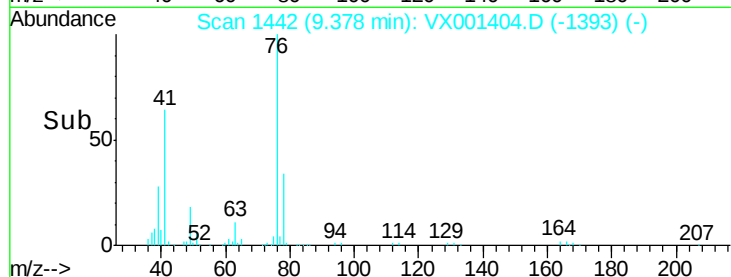
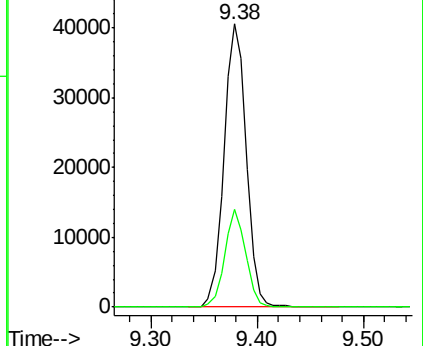
76 100

78 32.7 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 57.26 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VX001404.D

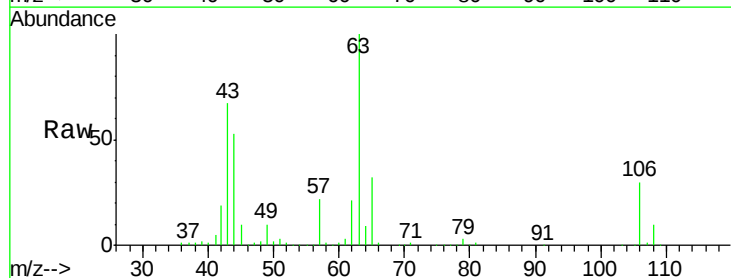
Acq: 04 May 2018 18:32

Tgt Ion: 63 Resp: 131068

Ion Ratio Lower Upper

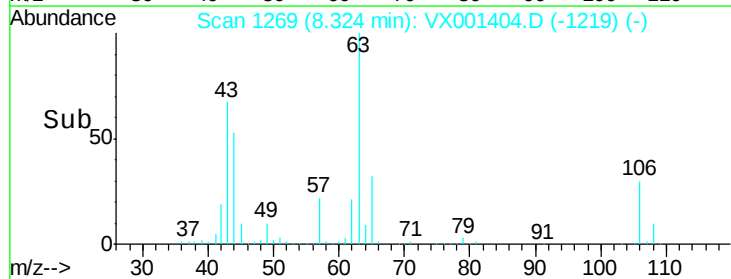
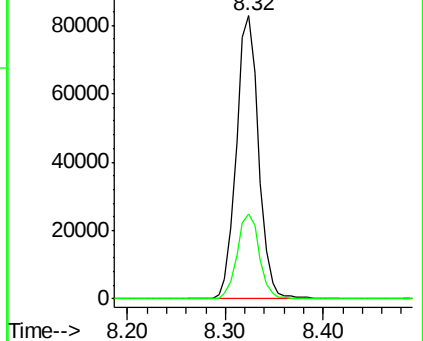
63 100

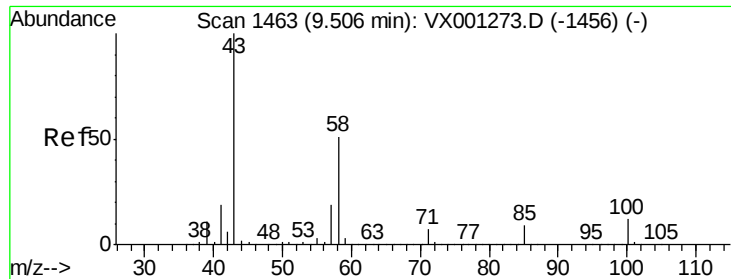
106 30.1 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

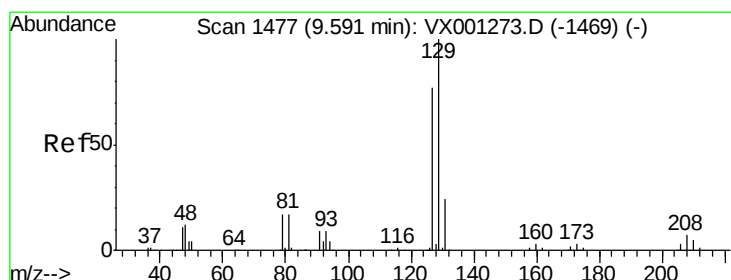
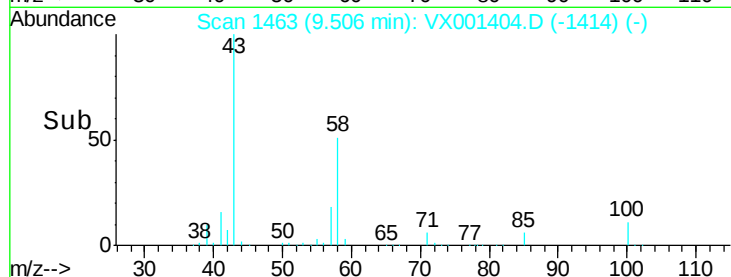
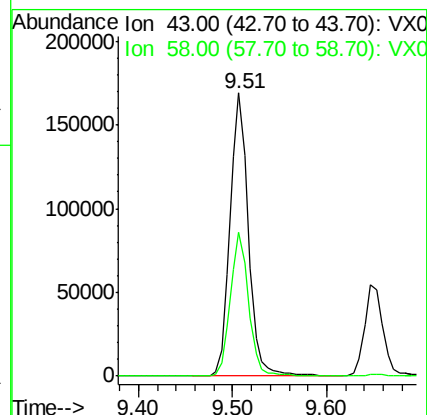
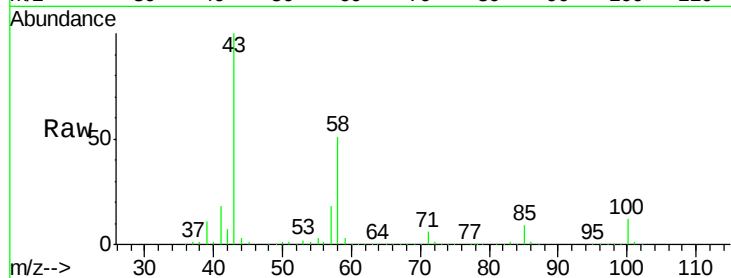




#59
 2-Hexanone
 Concen: 61.84 ug/l
 RT: 9.51 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

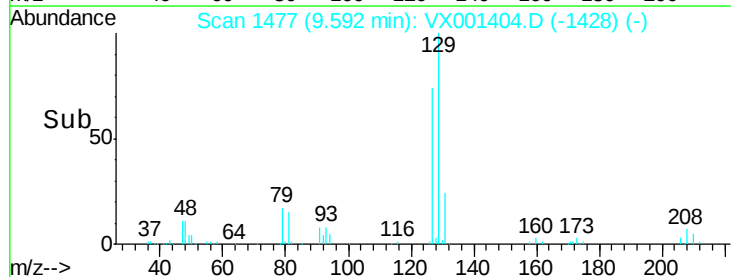
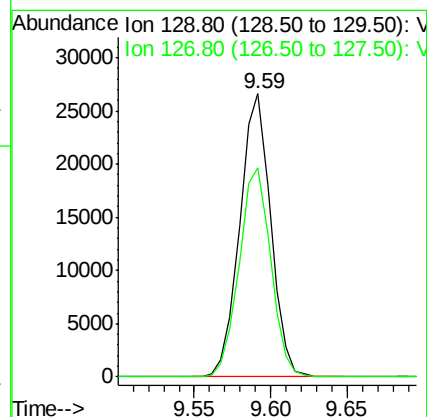
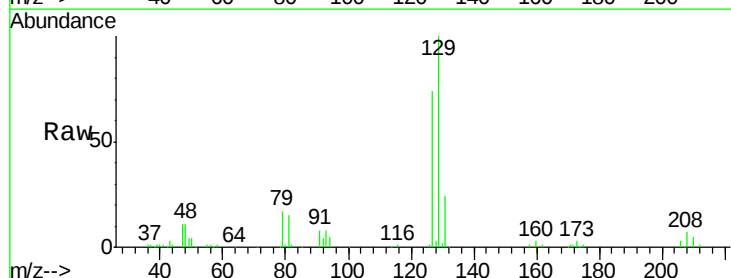
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

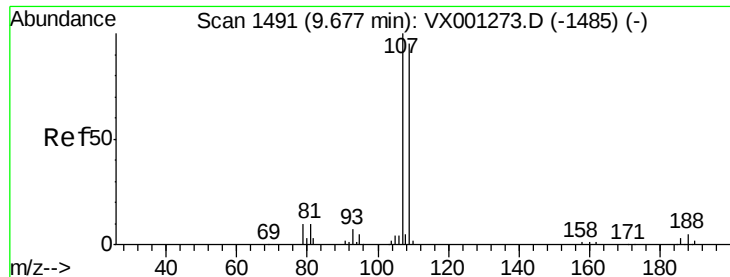
Tgt Ion: 43 Resp: 229655
 Ion Ratio Lower Upper
 43 100
 58 50.9 25.7 77.0



#60
 Dibromochloromethane
 Concen: 10.43 ug/l
 RT: 9.59 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Tgt Ion: 129 Resp: 37240
 Ion Ratio Lower Upper
 129 100
 127 75.3 39.1 117.3





#61

1,2-Dibromoethane

Concen: 10.92 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

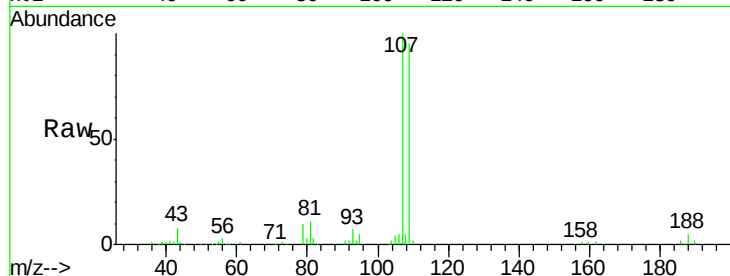
VX0504WBSD01

Tgt Ion: 107 Resp: 39631

Ion Ratio Lower Upper

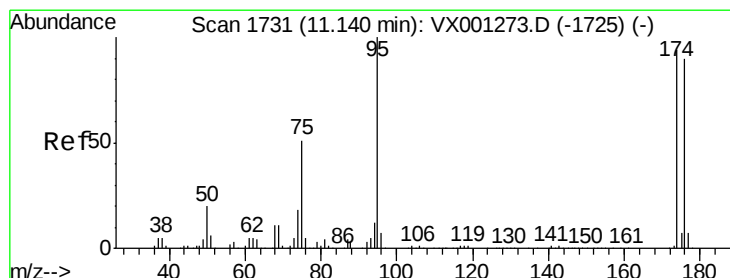
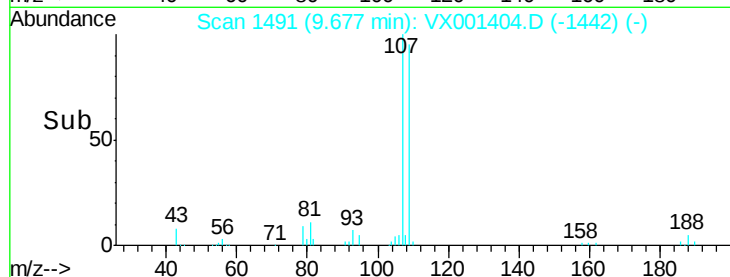
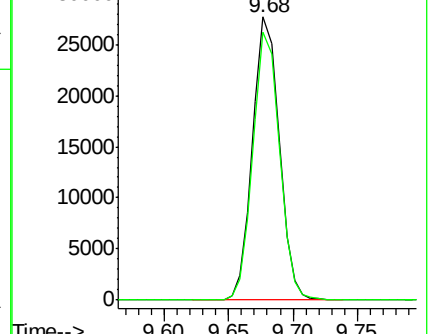
107 100

109 94.2 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.24 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

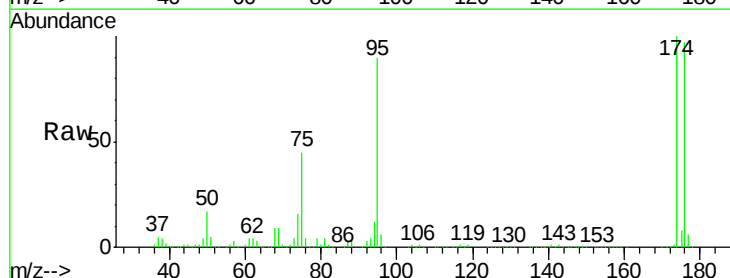
Tgt Ion: 95 Resp: 207896

Ion Ratio Lower Upper

95 100

174 105.7 0.0 201.8

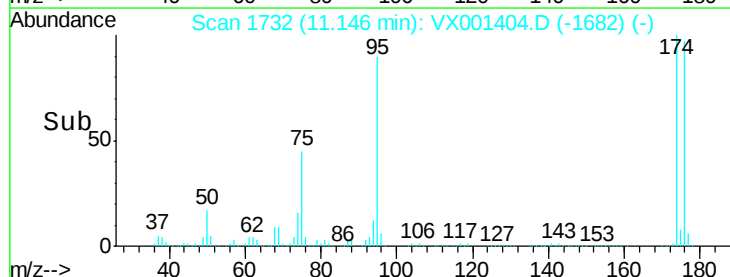
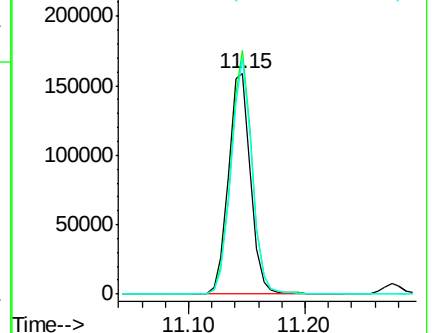
176 101.8 0.0 197.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

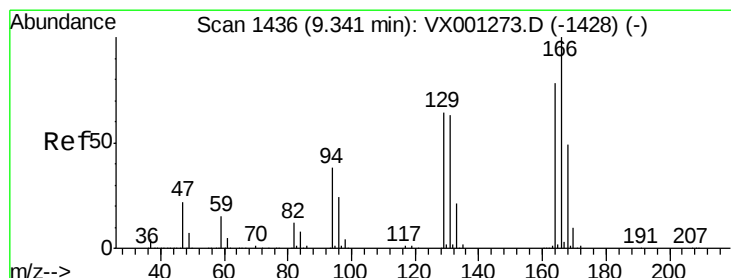
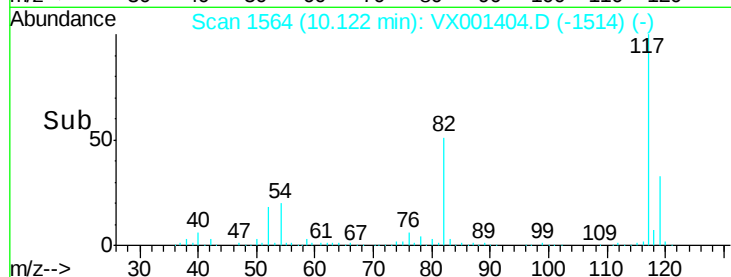
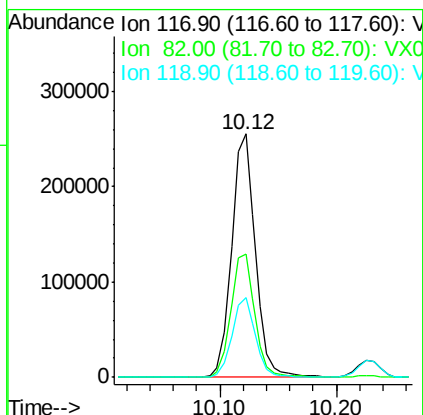
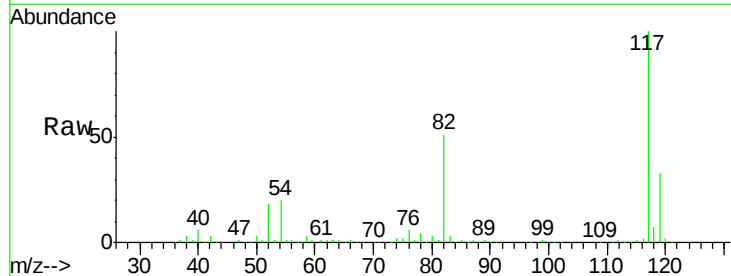




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

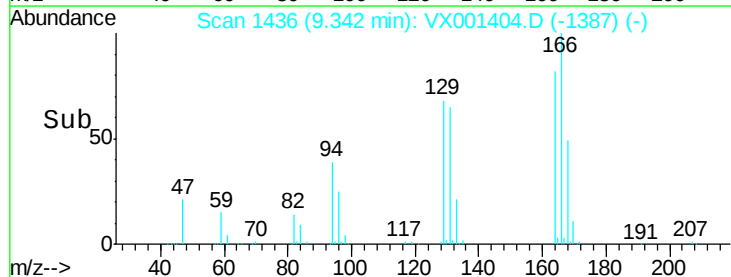
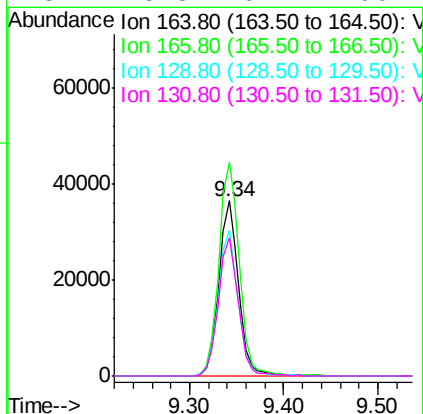
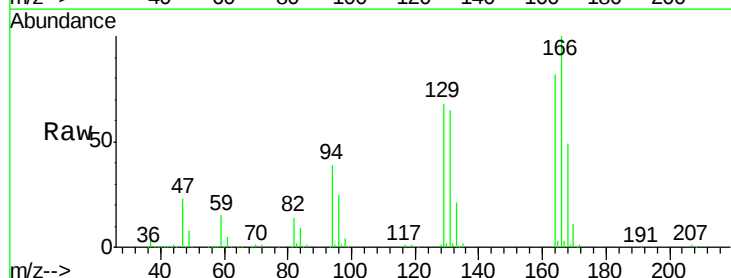
Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

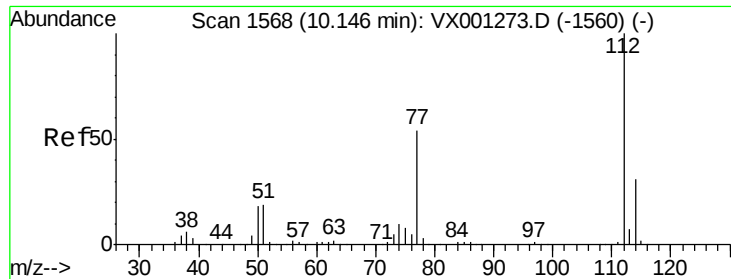
Tgt Ion:117 Resp: 362068
Ion Ratio Lower Upper
117 100
82 50.8 41.4 62.0
119 32.8 25.5 38.3



#64
Tetrachloroethene
Concen: 12.29 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion:164 Resp: 52735
Ion Ratio Lower Upper
164 100
166 122.0 102.3 153.5
129 83.5 65.1 97.7
131 78.8 64.2 96.4





#65

Chlorobenzene

Concen: 10.52 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

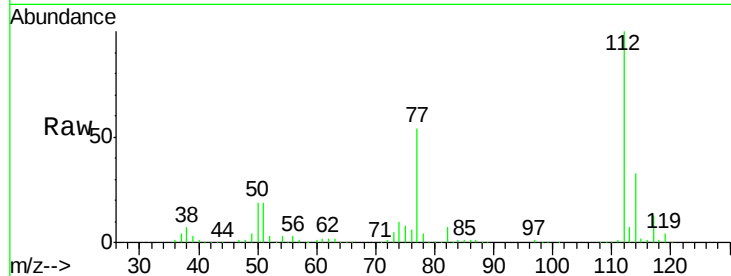
VX0504WBSD01

Tgt Ion:112 Resp: 103598

Ion Ratio Lower Upper

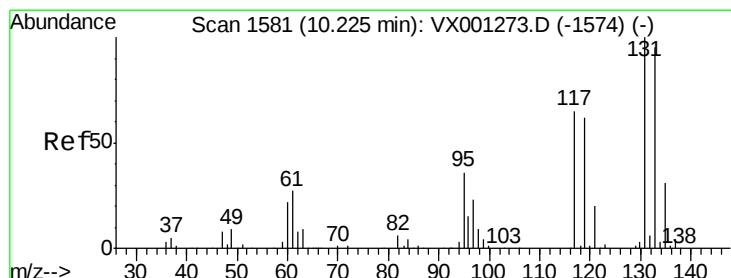
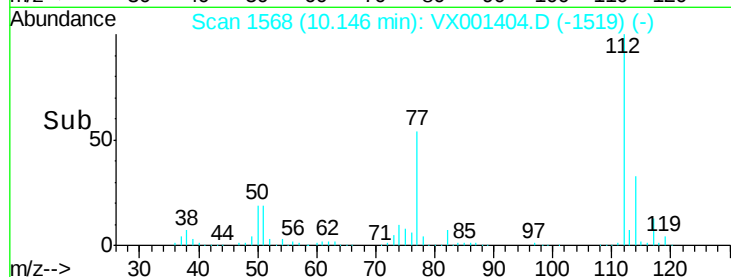
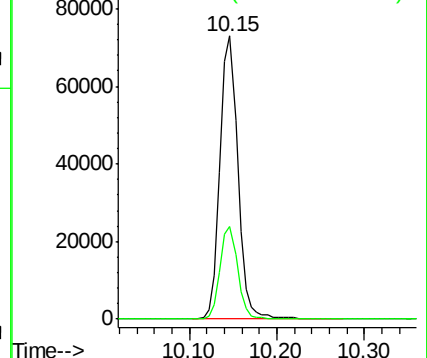
112 100

114 32.5 24.8 37.2



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: 11.02 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

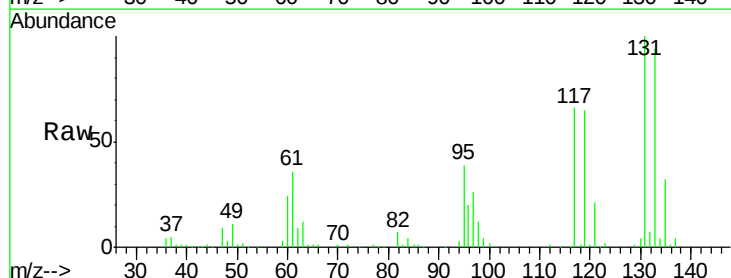
Tgt Ion:131 Resp: 37678

Ion Ratio Lower Upper

131 100

133 94.5 48.3 144.9

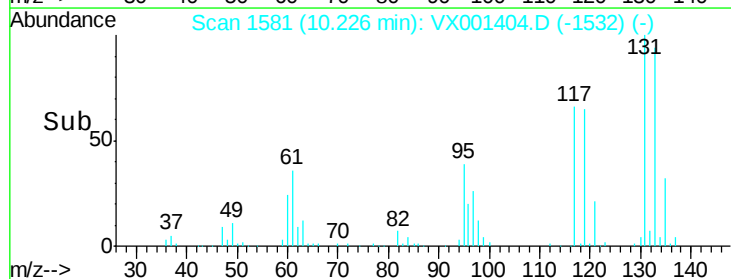
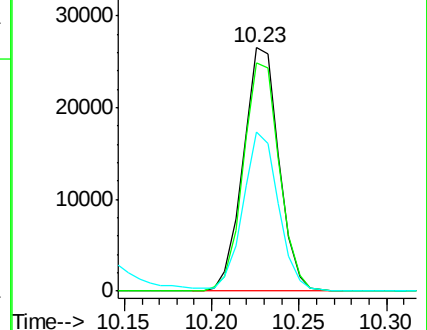
119 64.8 31.2 93.6

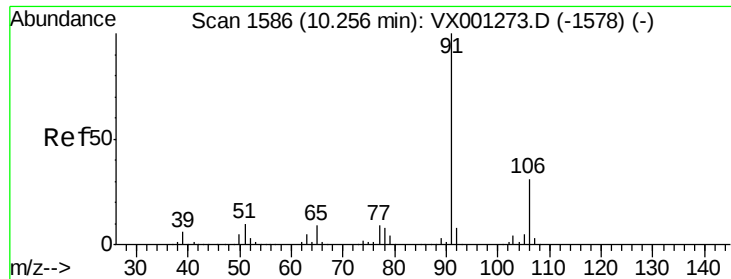


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 10.17 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampled :

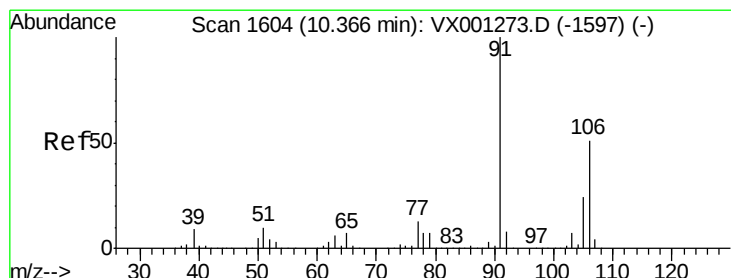
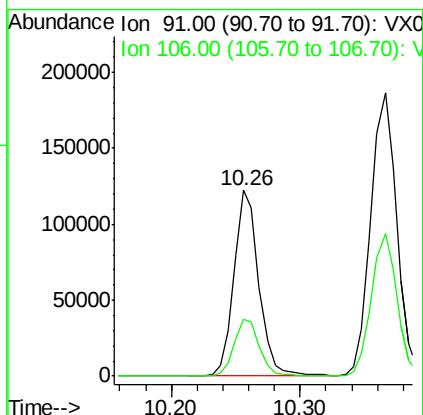
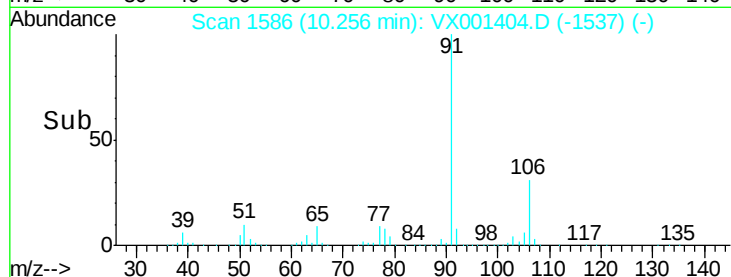
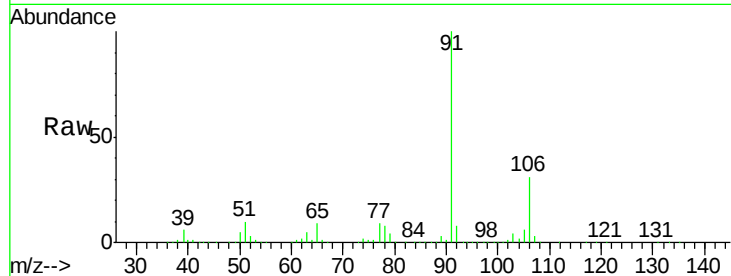
VX0504WBSD01

Tgt Ion: 91 Resp: 164986

Ion Ratio Lower Upper

91 100

106 30.5 24.9 37.3



#68

m/p-Xylenes

Concen: 20.27 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001404.D

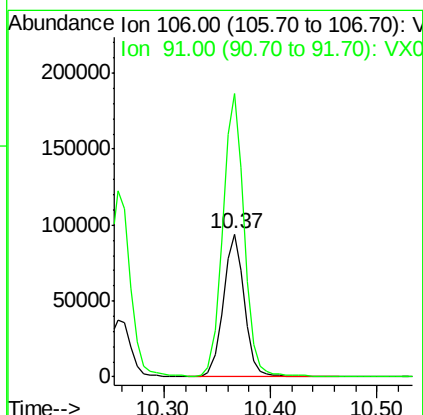
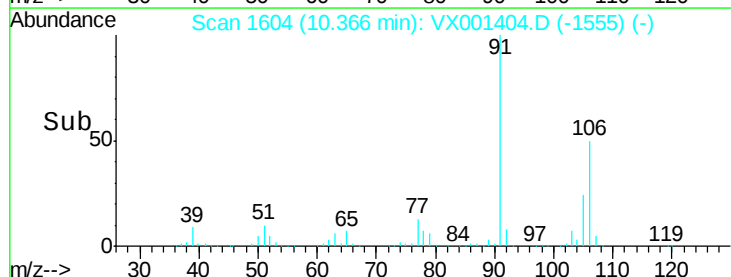
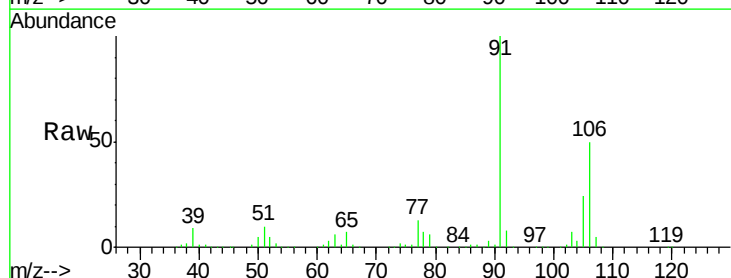
Acq: 04 May 2018 18:32

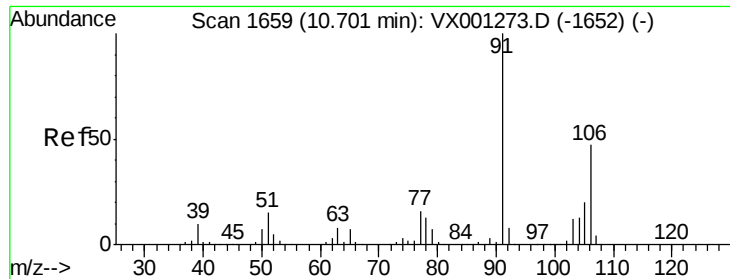
Tgt Ion: 106 Resp: 129450

Ion Ratio Lower Upper

106 100

91 202.2 159.4 239.2

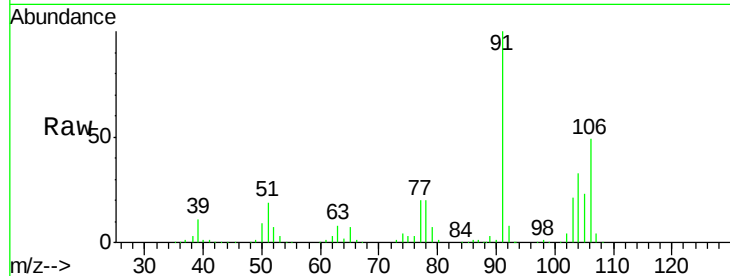




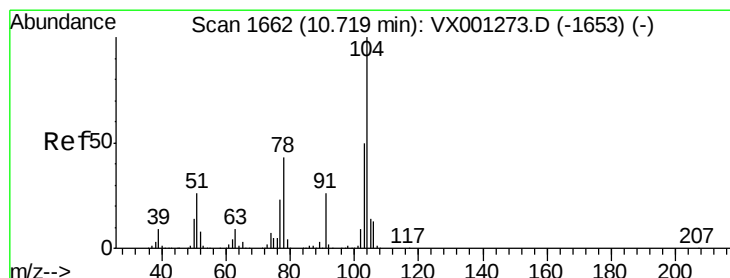
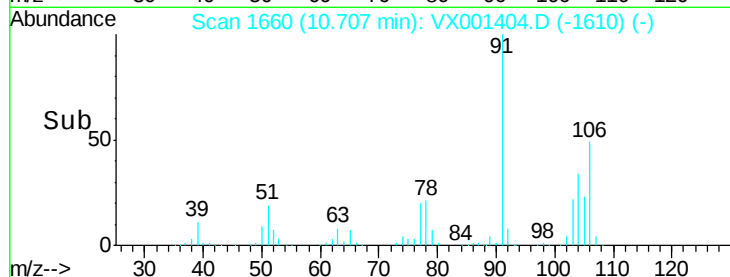
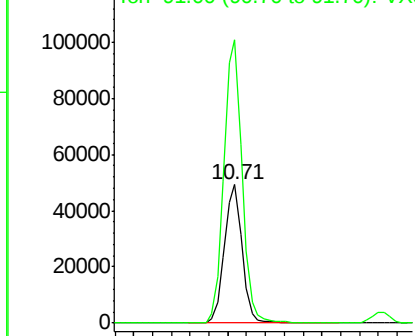
#69
o-Xylene
Concen: 10.43 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tgt Ion:106 Resp: 64568
Ion Ratio Lower Upper
106 100
91 209.6 106.3 319.0

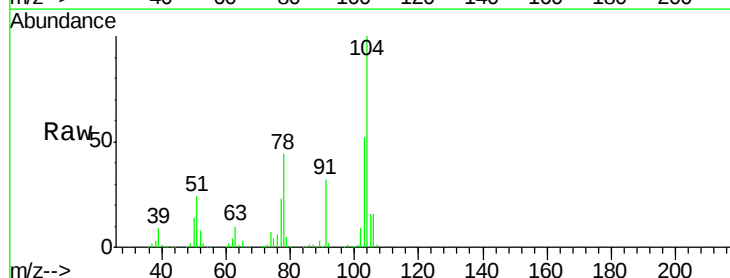


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

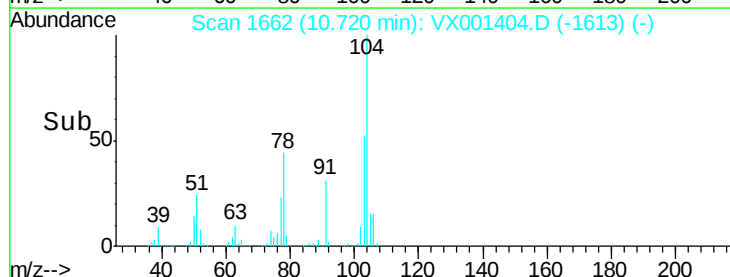
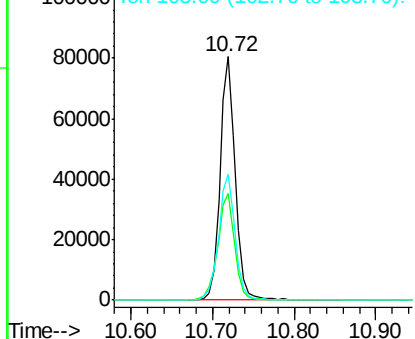


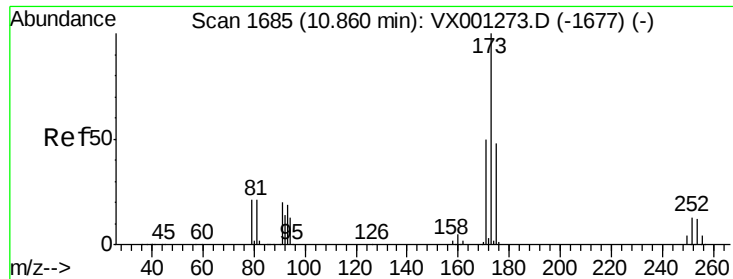
#70
Styrene
Concen: 10.31 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001404.D
Acq: 04 May 2018 18:32

Tgt Ion:104 Resp: 104436
Ion Ratio Lower Upper
104 100
78 49.7 40.1 60.1
103 56.4 44.5 66.7



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: 12.19 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

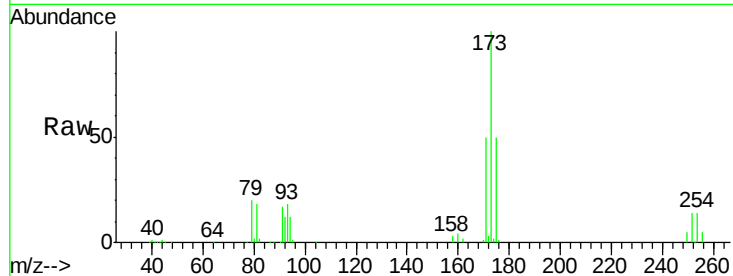
Tgt Ion:173 Resp: 29609

Ion Ratio Lower Upper

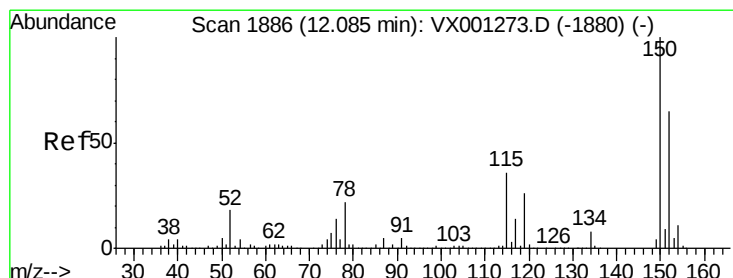
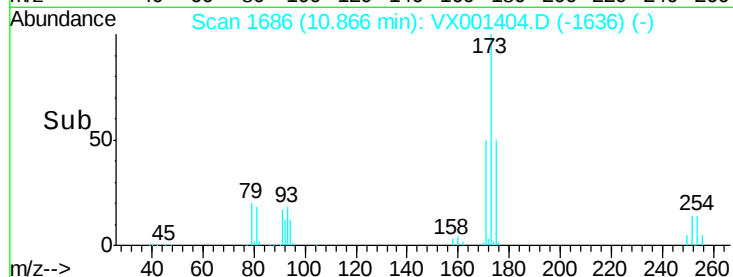
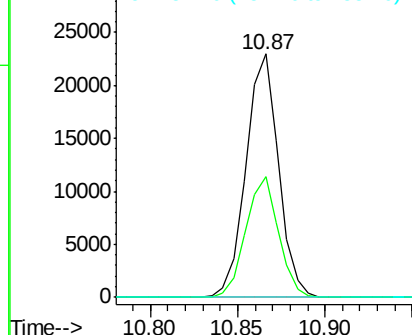
173 100

175 49.7 24.6 74.0

254 0.0 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: VX001404.D

Acq: 04 May 2018 18:32

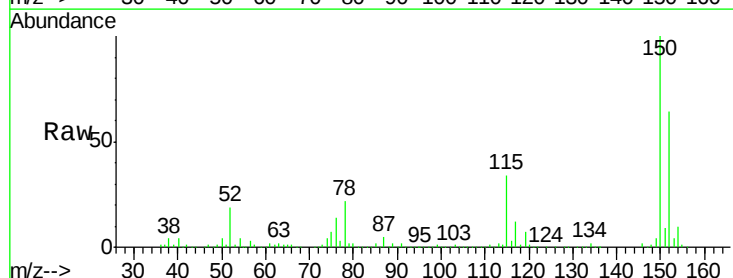
Tgt Ion:152 Resp: 227499

Ion Ratio Lower Upper

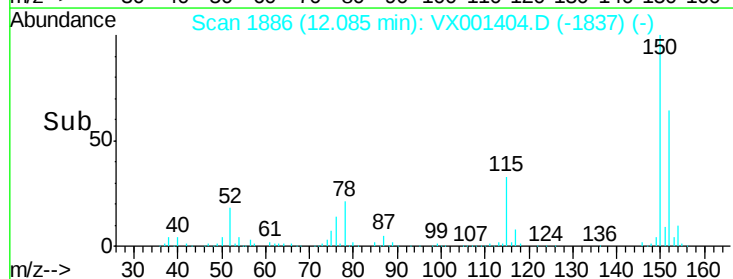
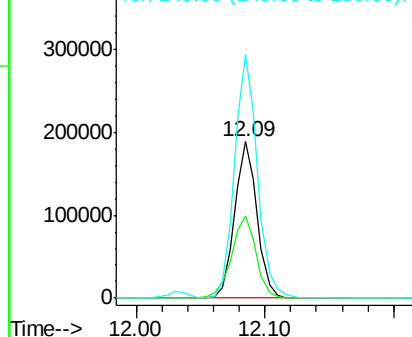
152 100

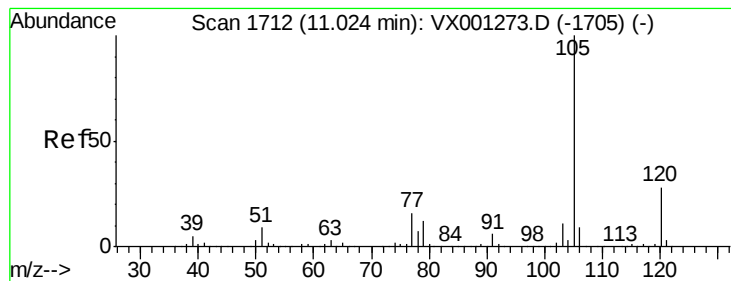
115 58.0 38.6 115.7

150 160.0 0.0 349.2



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





#73

Isopropylbenzene

Concen: 11.25 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

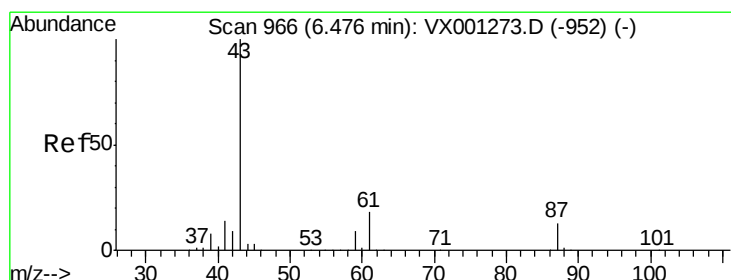
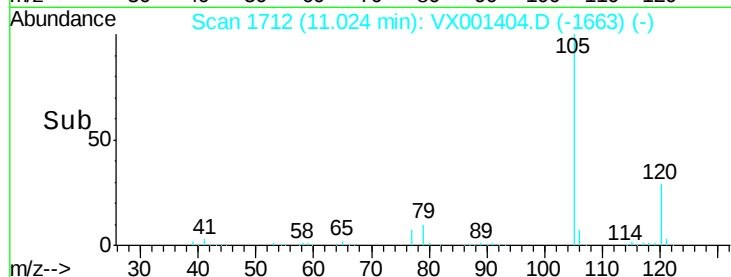
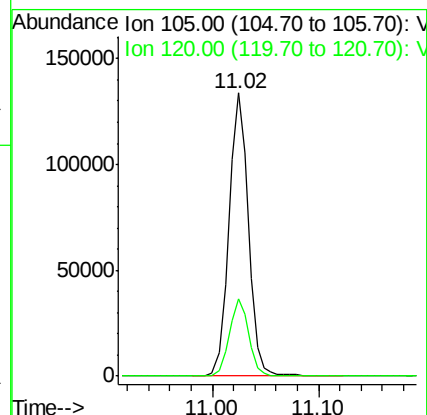
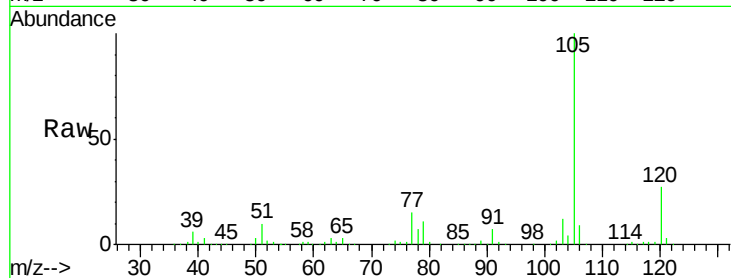
VX0504WBSD01

Tgt Ion:105 Resp: 171191

Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.1



#74

N-ethyl acetate

Concen: 12.50 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Tgt Ion: 43 Resp: 81624

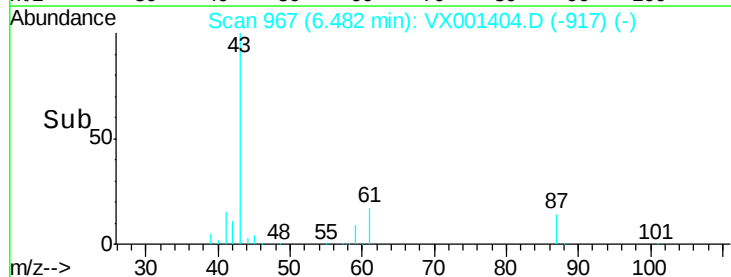
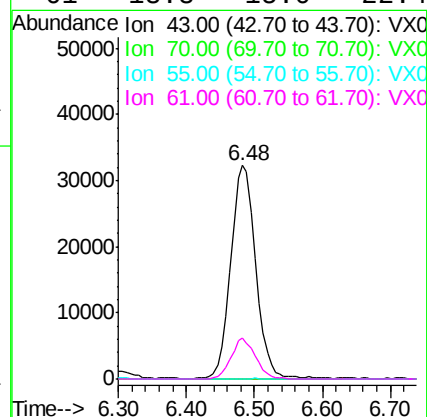
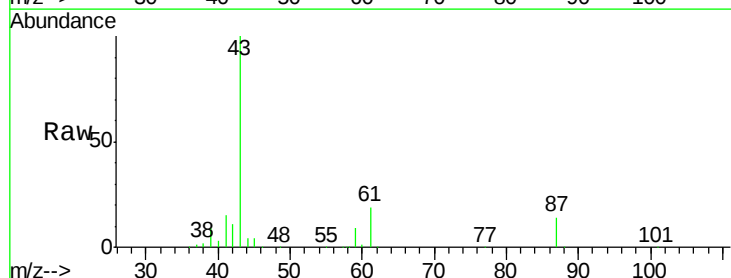
Ion Ratio Lower Upper

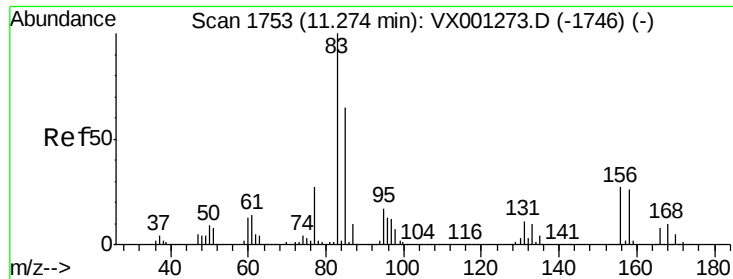
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 18.8 15.0 22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 11.91 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

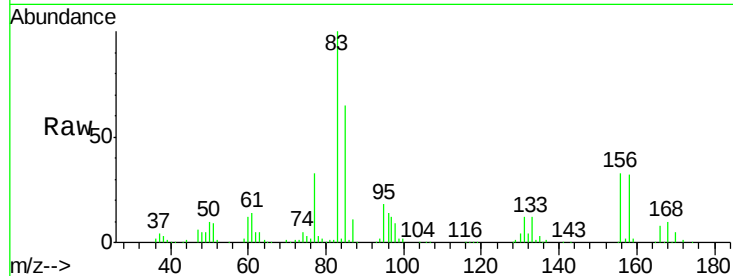
Tgt Ion: 83 Resp: 54324

Ion Ratio Lower Upper

83 100

131 12.0 5.8 17.3

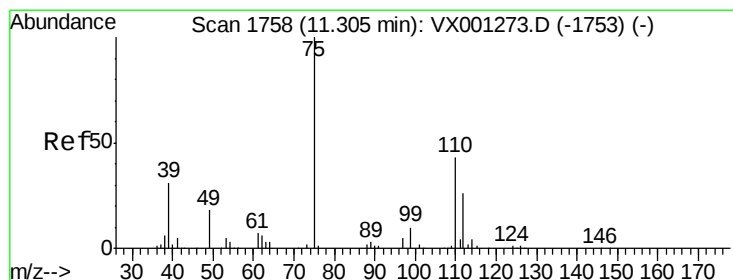
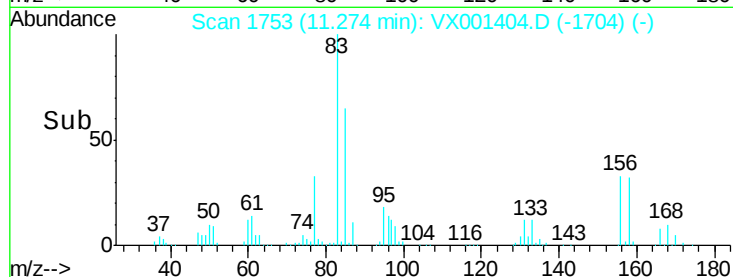
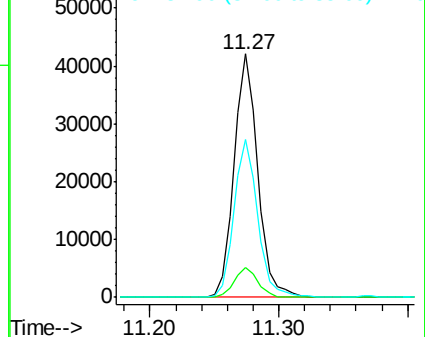
85 64.8 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 14.67 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001404.D

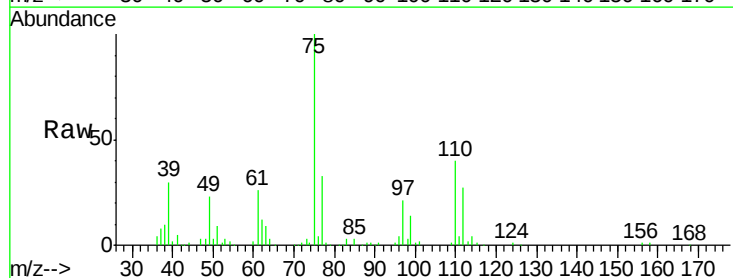
Acq: 04 May 2018 18:32

Tgt Ion: 75 Resp: 61708

Ion Ratio Lower Upper

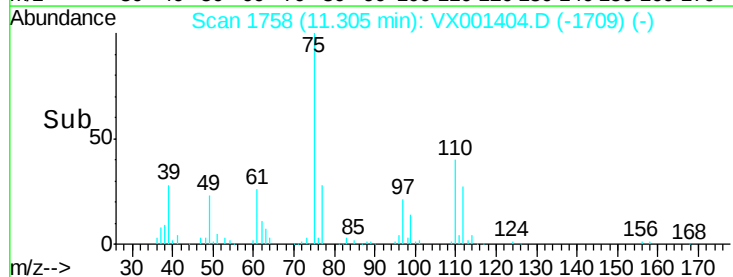
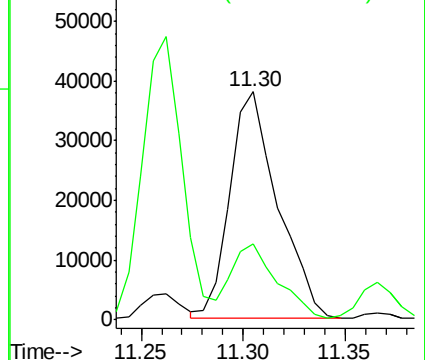
75 100

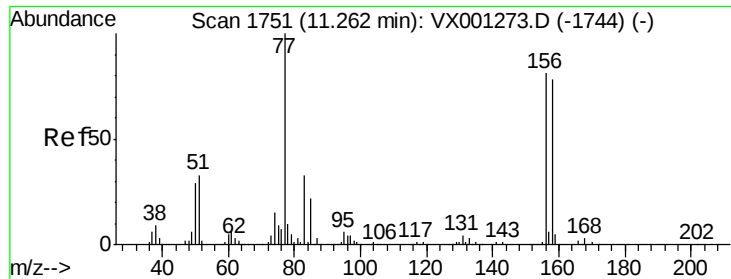
77 32.4 18.9 56.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 11.78 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

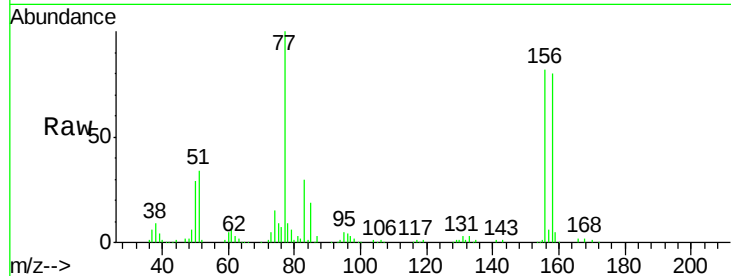
Tgt Ion:156 Resp: 51718

Ion Ratio Lower Upper

156 100

77 124.7 65.3 195.8

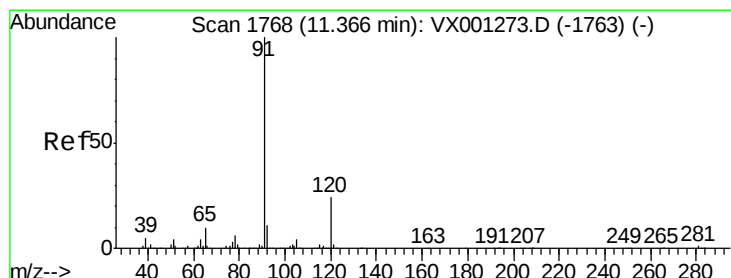
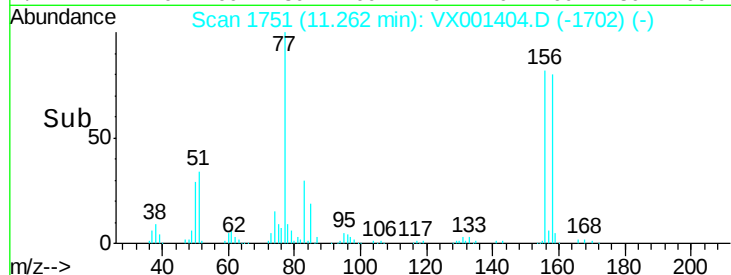
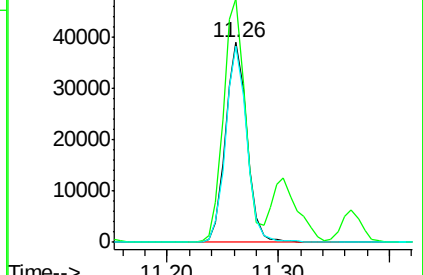
158 96.8 48.5 145.5



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: 11.17 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001404.D

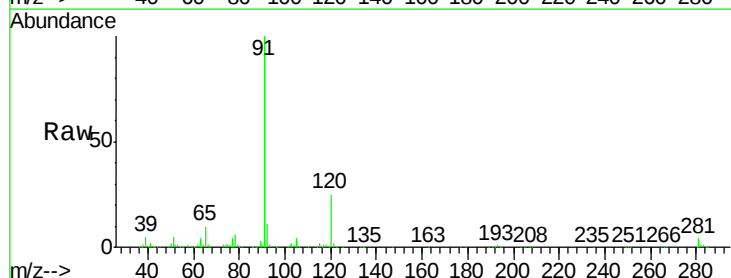
Acq: 04 May 2018 18:32

Tgt Ion: 91 Resp: 188871

Ion Ratio Lower Upper

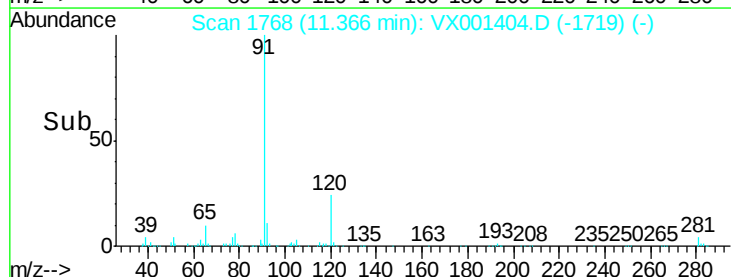
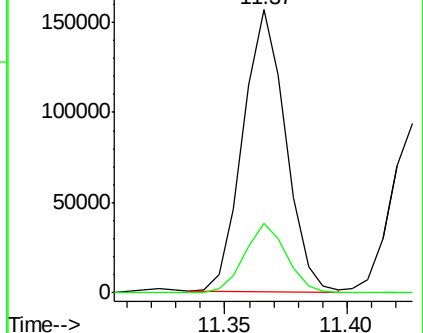
91 100

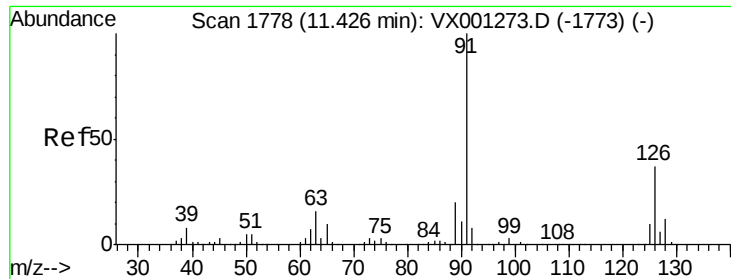
120 24.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

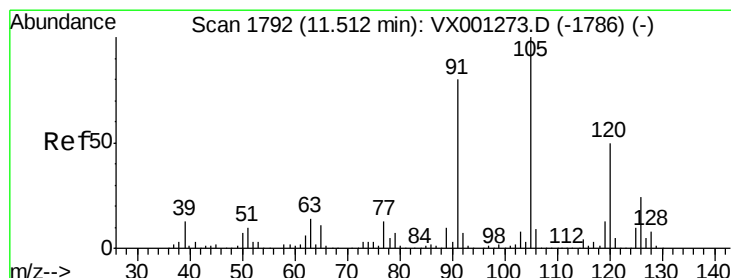
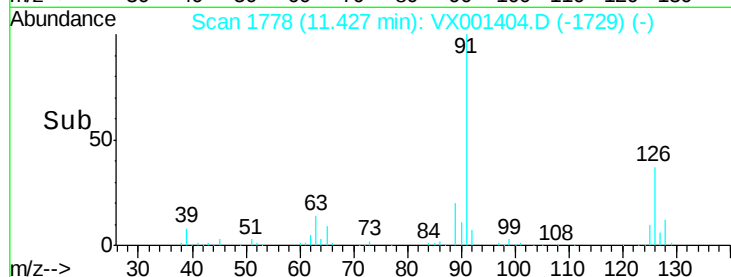
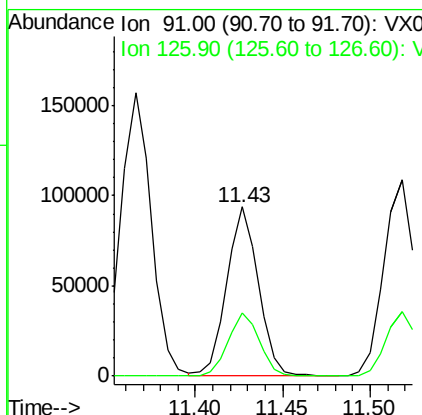
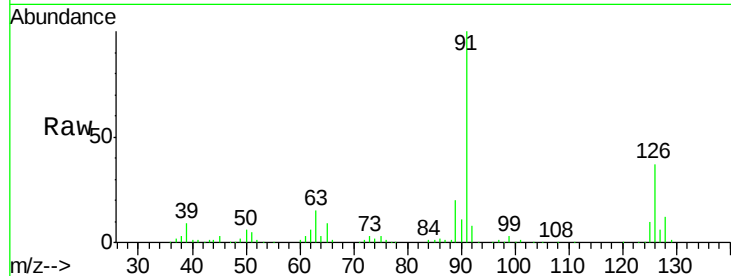




#79
 2-Chlorotoluene
 Concen: 11.40 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

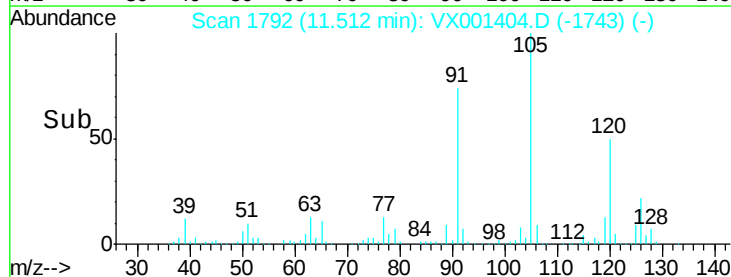
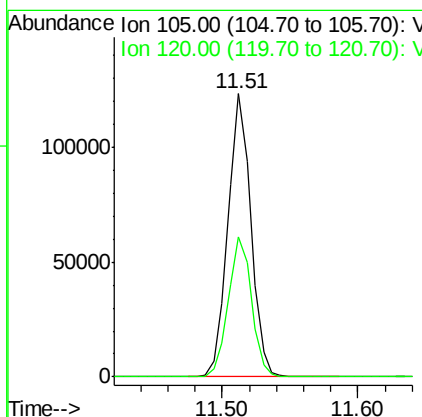
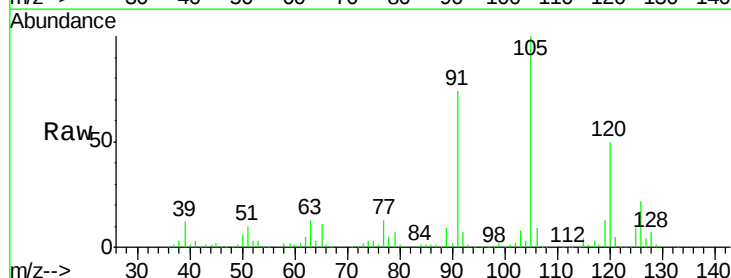
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

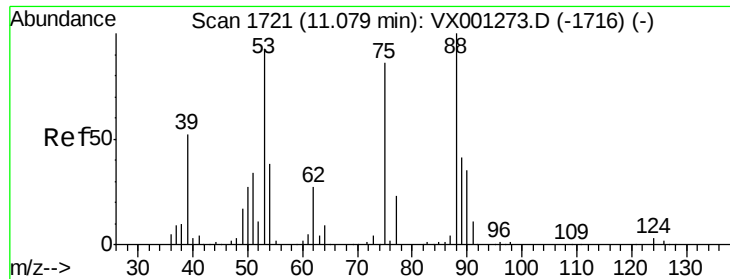
Tgt Ion: 91 Resp: 116373
 Ion Ratio Lower Upper
 91 100
 126 38.0 18.4 55.4



#80
 1,3,5-Trimethylbenzene
 Concen: 11.32 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Tgt Ion: 105 Resp: 144674
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 12.82 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

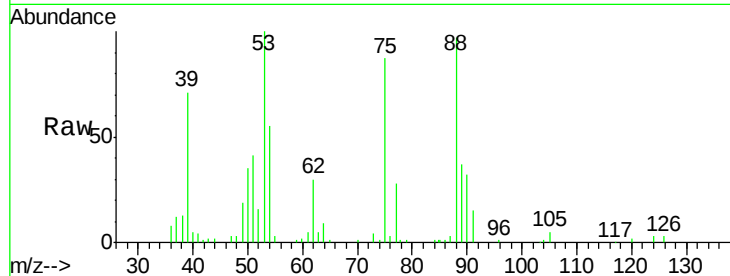
Tgt Ion: 75 Resp: 12074

Ion Ratio Lower Upper

75 100

53 119.7 87.1 130.7

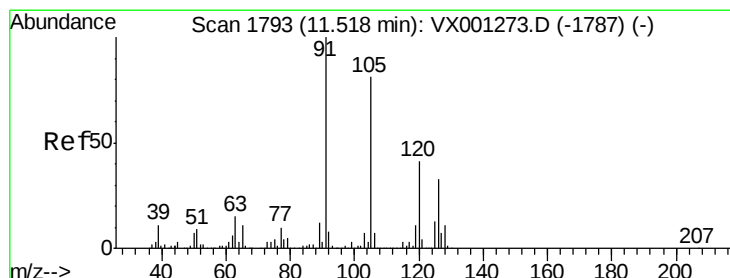
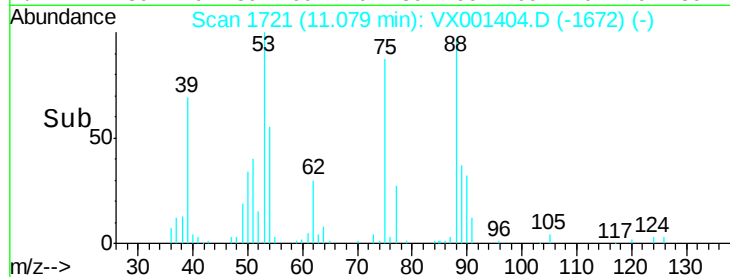
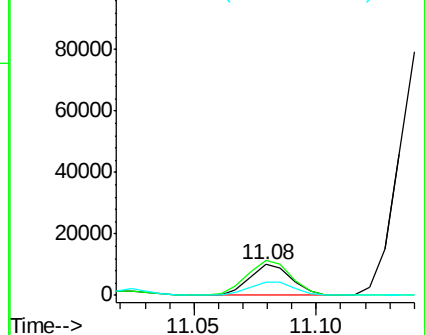
89 47.3 38.9 58.3



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: 11.09 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001404.D

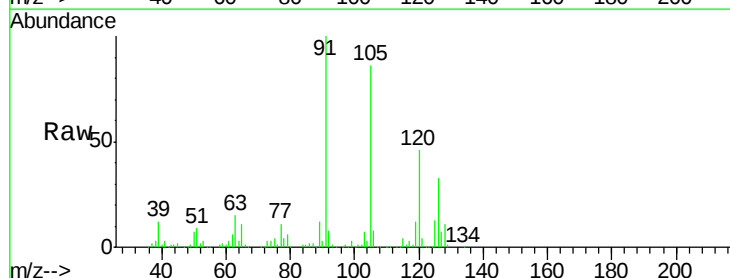
Acq: 04 May 2018 18:32

Tgt Ion: 91 Resp: 136140

Ion Ratio Lower Upper

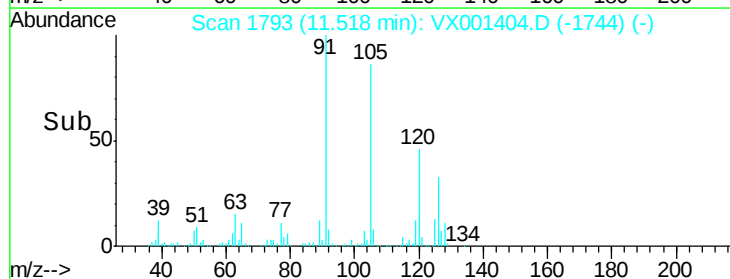
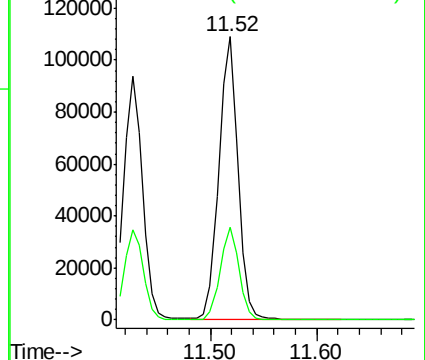
91 100

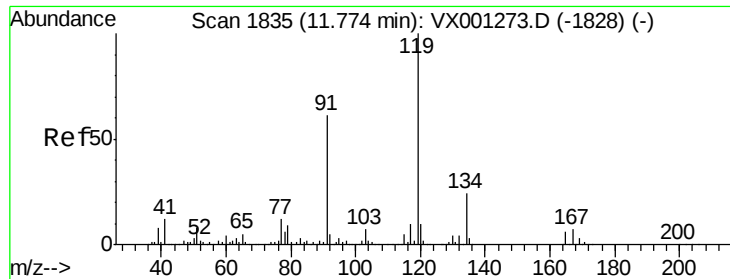
126 32.4 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

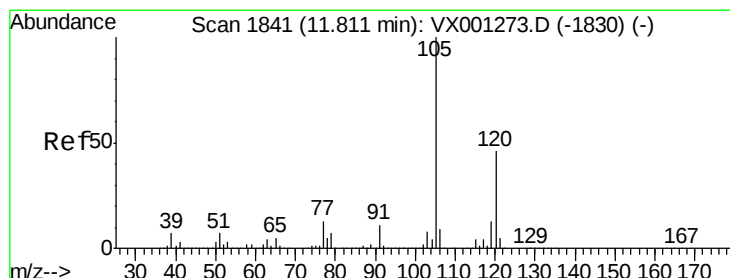
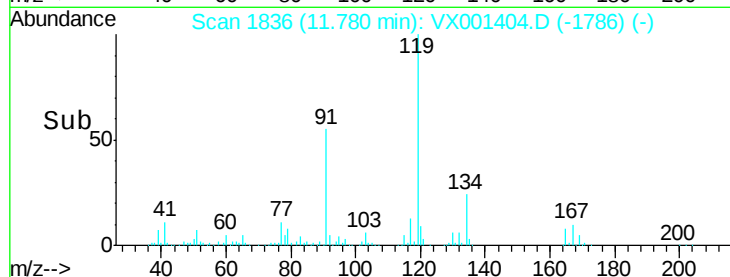
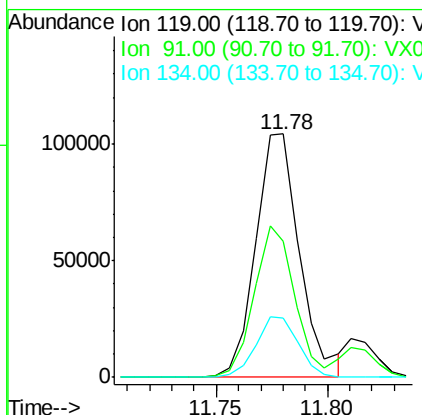
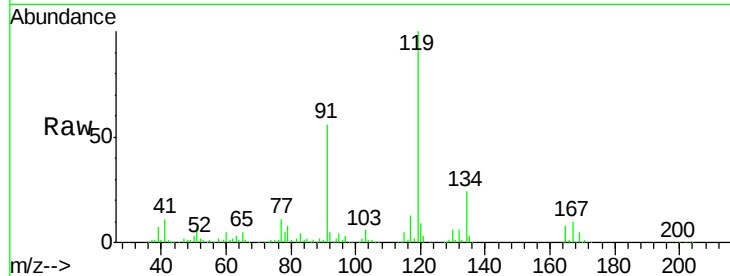




#83
 tert-Butylbenzene
 Concen: 11.25 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.01 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

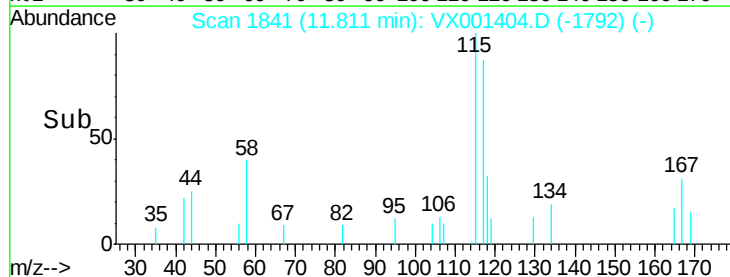
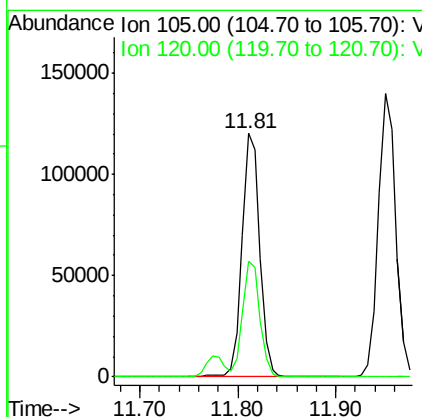
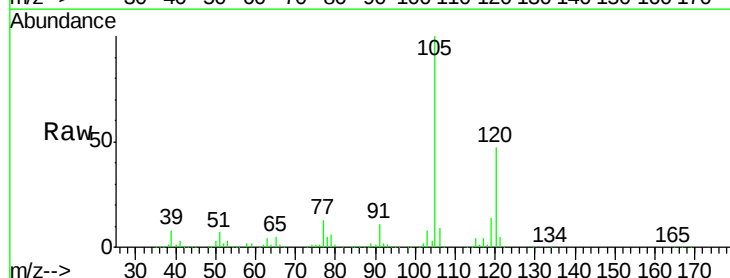
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0504WBSD01

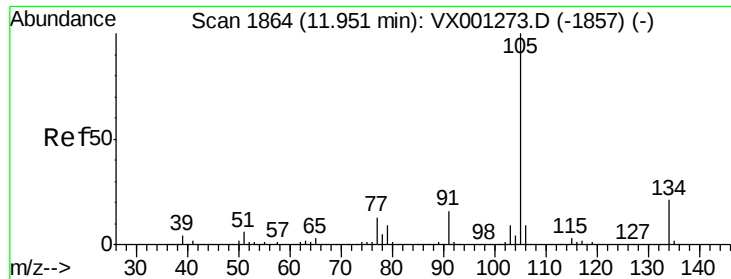
Tgt Ion:119 Resp: 143369
 Ion Ratio Lower Upper
 119 100
 91 57.3 28.1 84.3
 134 24.1 11.8 35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 11.53 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Tgt Ion:105 Resp: 151026
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.7 68.1





#85

sec-Butylbenzene

Concen: 11.38 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

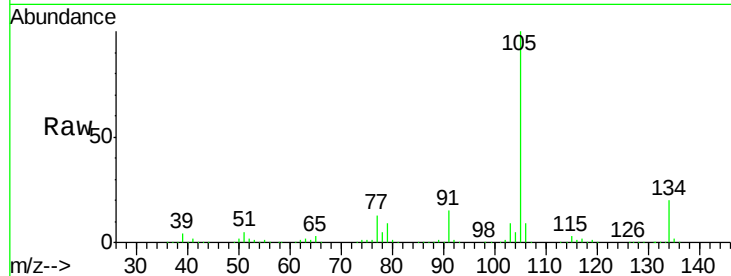
VX0504WBSD01

Tgt Ion:105 Resp: 173588

Ion Ratio Lower Upper

105 100

134 21.5 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

150000

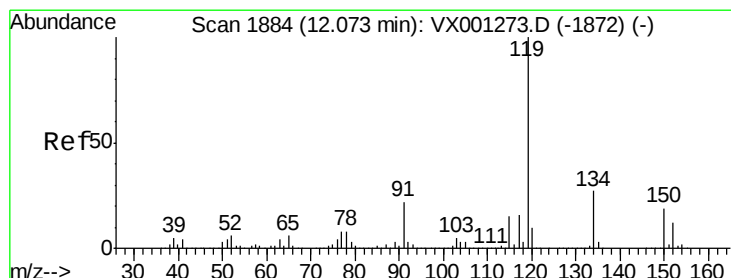
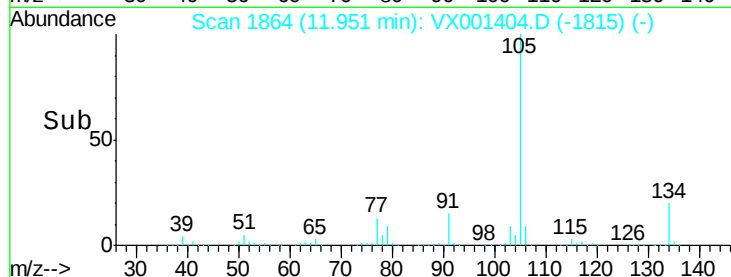
100000

50000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 11.41 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

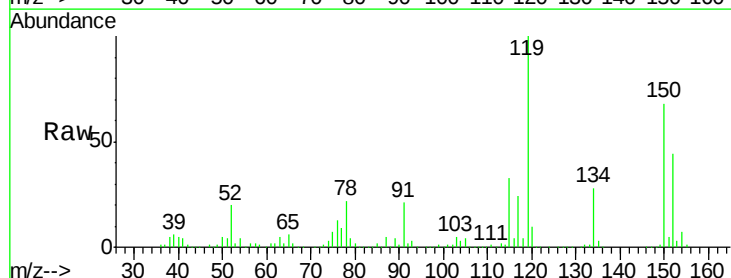
Tgt Ion:119 Resp: 159629

Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.7

91 23.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

150000

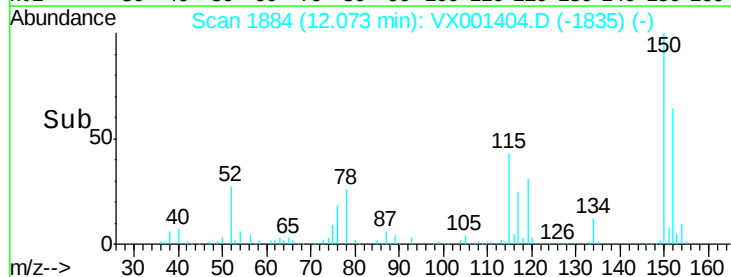
100000

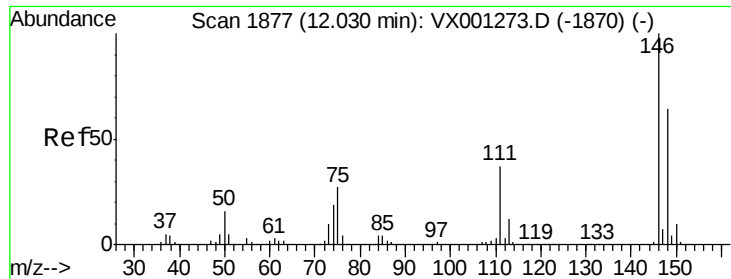
50000

0

Time-->

12.00 12.10 12.20





#87

1,3-Dichlorobenzene

Concen: 10.96 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

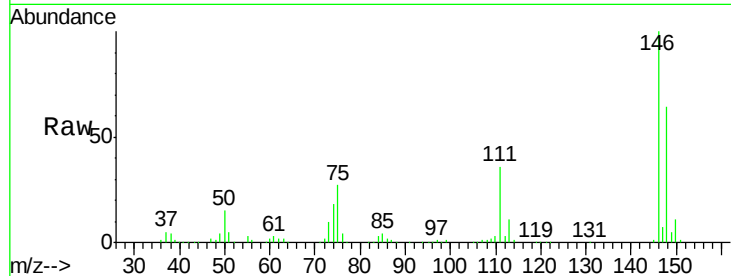
Tgt Ion:146 Resp: 89868

Ion Ratio Lower Upper

146 100

111 35.4 18.4 55.2

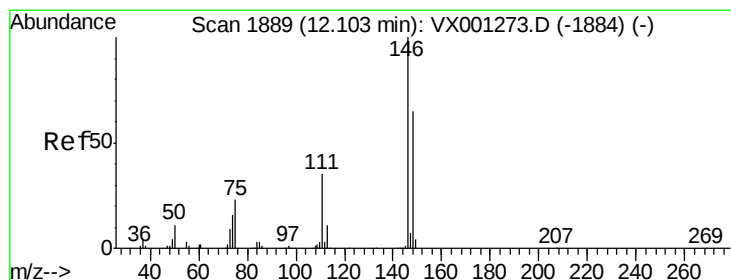
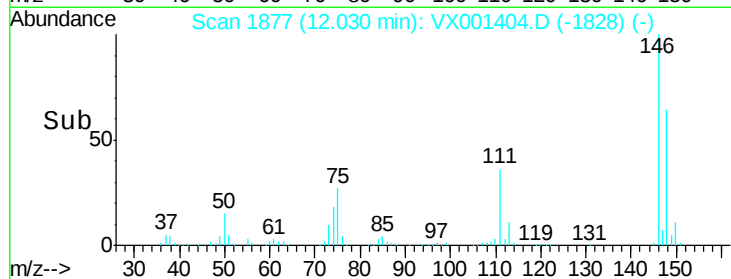
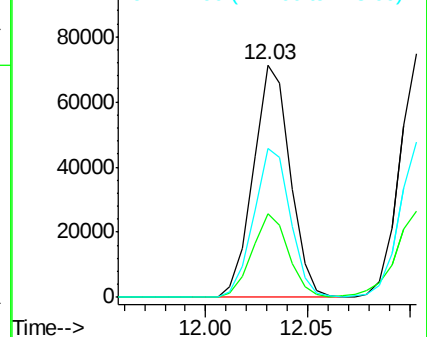
148 64.1 32.2 96.6



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: 10.79 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

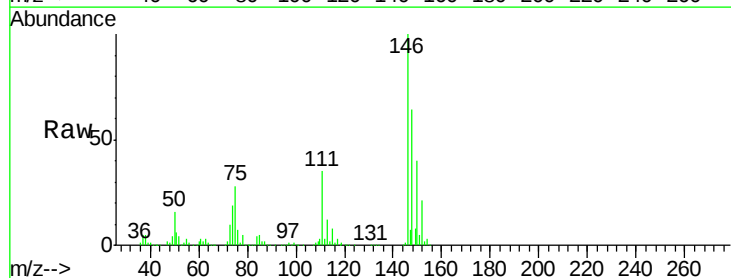
Tgt Ion:146 Resp: 91146

Ion Ratio Lower Upper

146 100

111 38.0 17.9 53.7

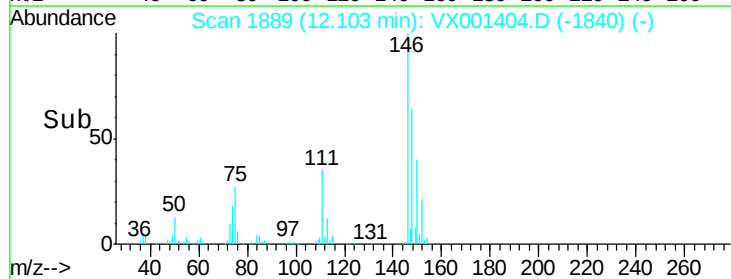
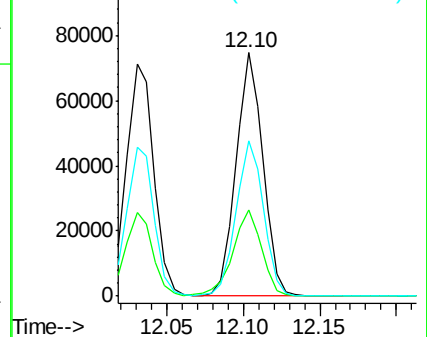
148 65.2 32.3 96.8

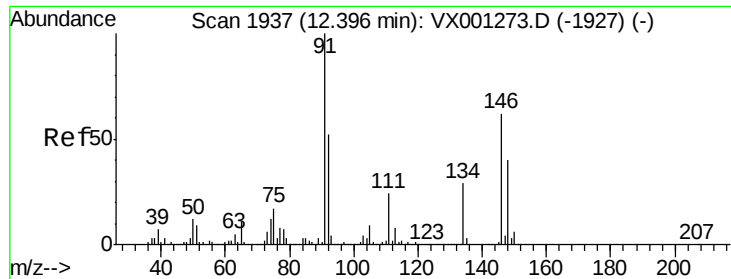


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 10.41 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

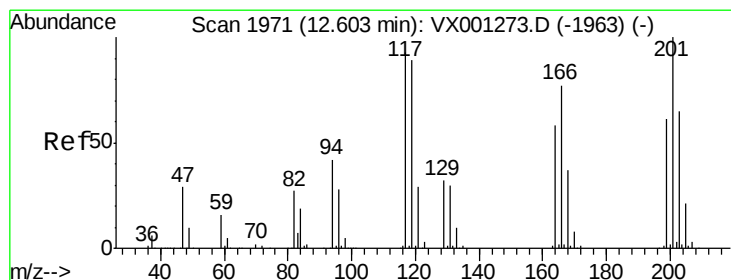
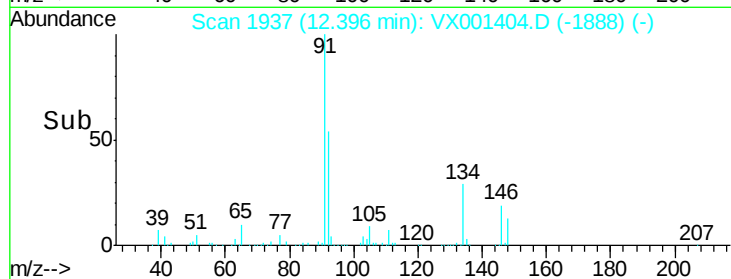
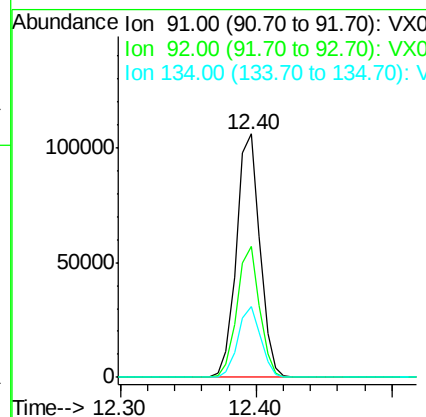
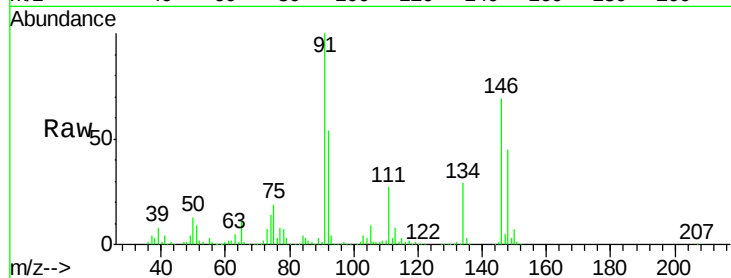
Tgt Ion: 91 Resp: 127060

Ion Ratio Lower Upper

91 100

92 52.0 26.2 78.5

134 28.2 14.0 42.0



#90

Hexachloroethane

Concen: 10.87 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX001404.D

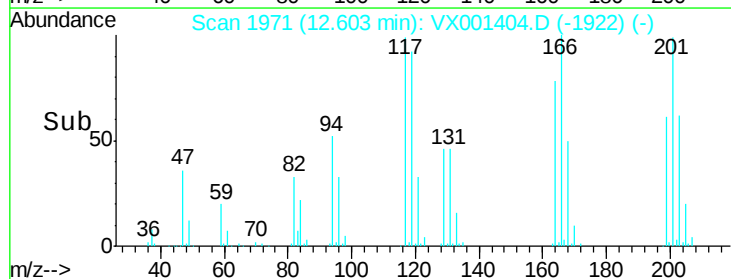
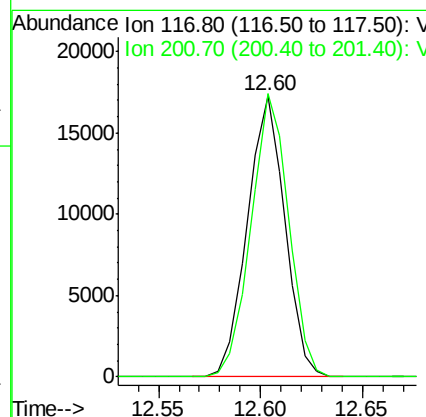
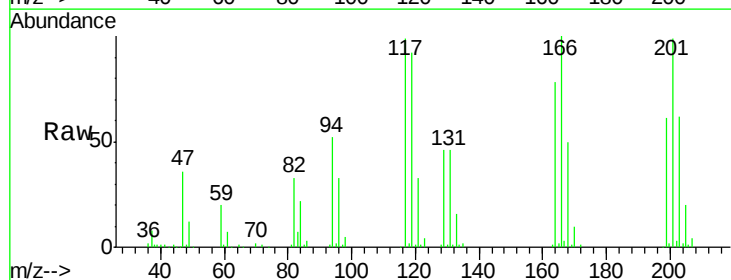
Acq: 04 May 2018 18:32

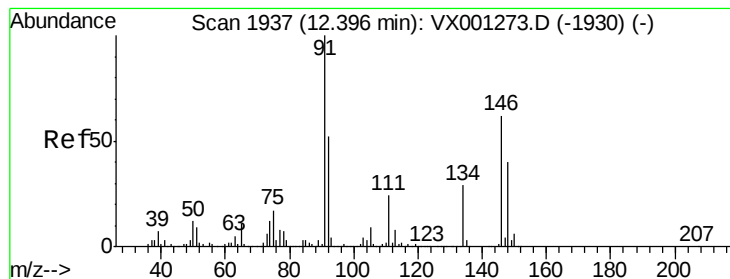
Tgt Ion: 117 Resp: 22023

Ion Ratio Lower Upper

117 100

201 101.5 51.6 154.8





#91

1,2-Dichlorobenzene

Concen: 11.55 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

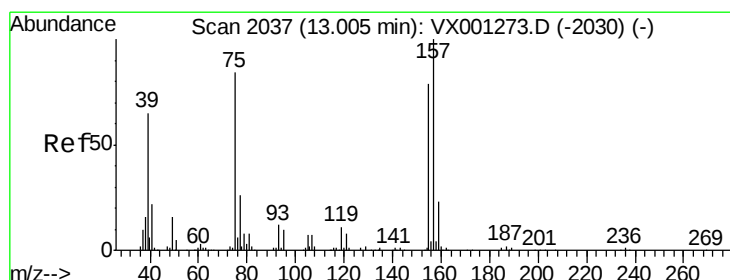
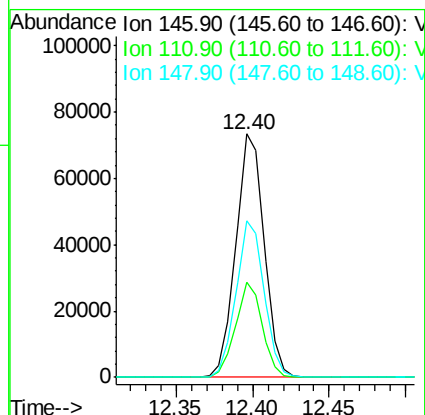
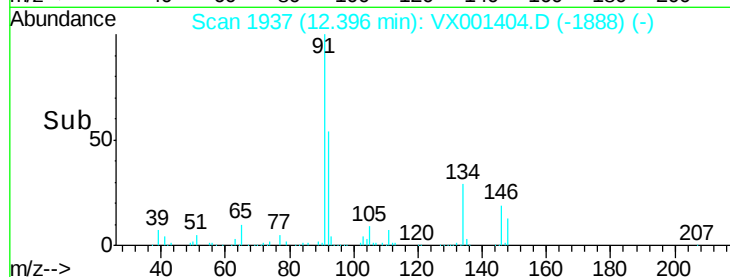
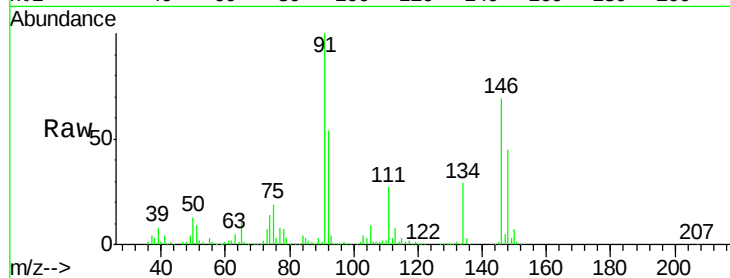
Tgt Ion:146 Resp: 94184

Ion Ratio Lower Upper

146 100

111 36.9 18.9 56.5

148 63.7 32.4 97.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 13.14 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

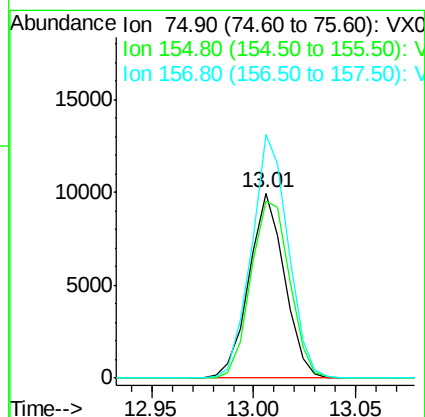
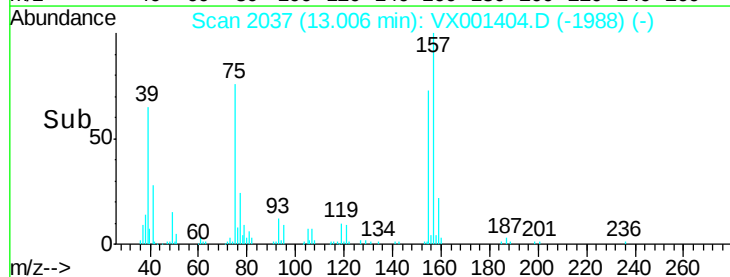
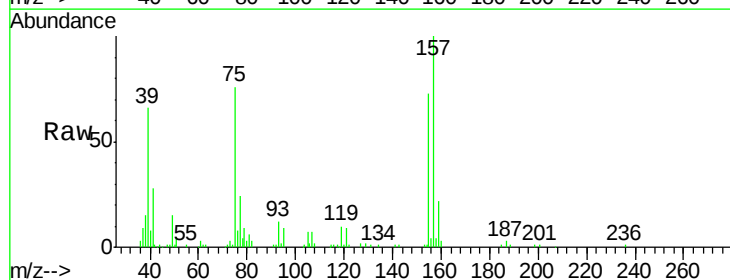
Tgt Ion: 75 Resp: 12111

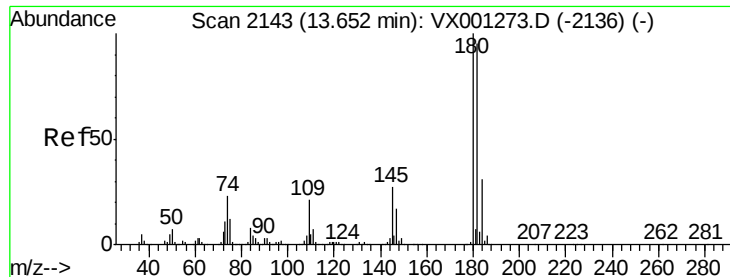
Ion Ratio Lower Upper

75 100

155 104.4 49.9 149.7

157 135.6 63.7 191.1

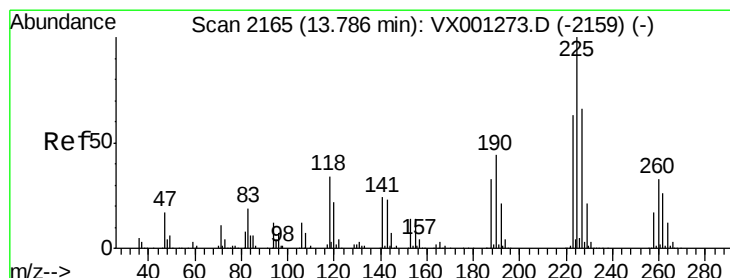
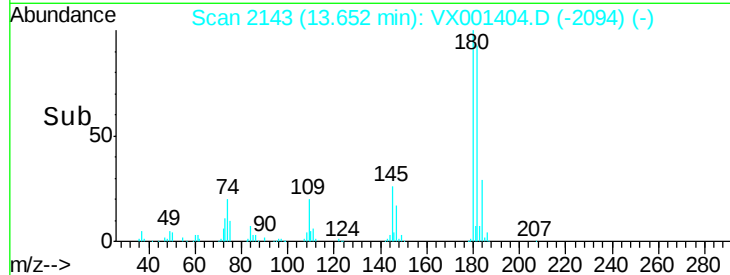
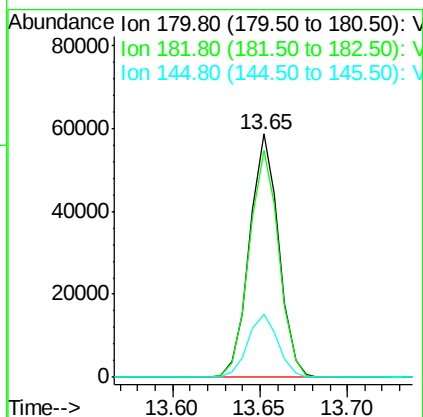
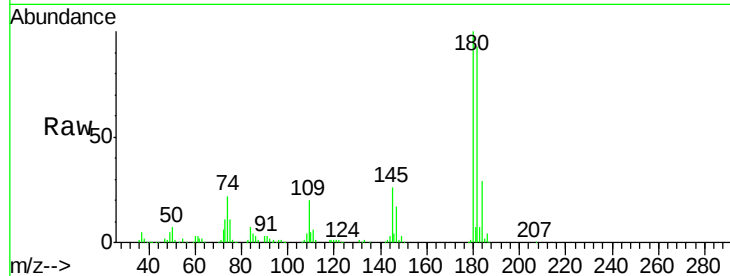




#93
 1,2,4-Trichlorobenzene
 Concen: 10.34 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

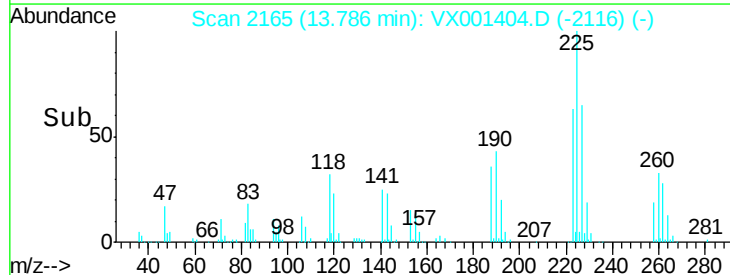
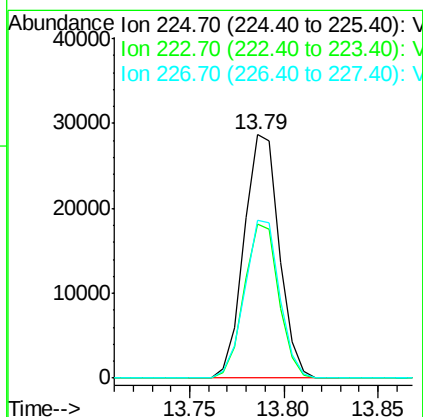
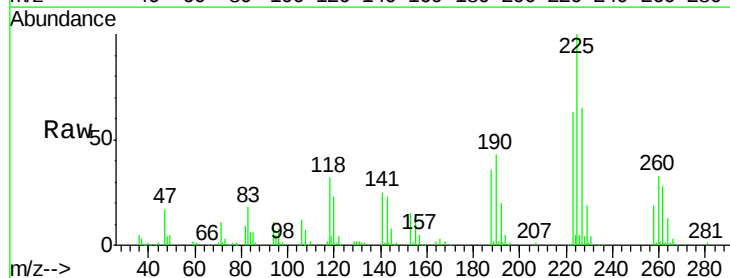
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

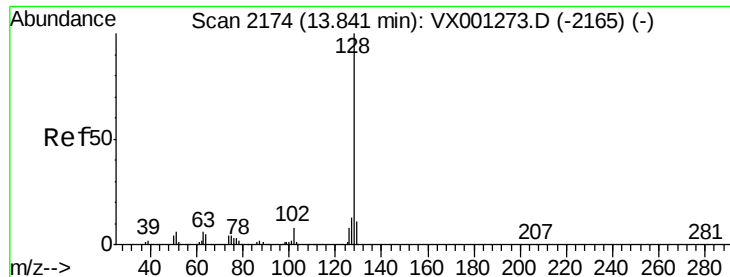
Tgt Ion:180 Resp: 67867
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.3 141.9
 145 26.8 13.5 40.4



#94
 Hexachlorobutadiene
 Concen: 10.82 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001404.D
 Acq: 04 May 2018 18:32

Tgt Ion:225 Resp: 37151
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.4 94.0
 227 64.2 32.5 97.5





#95

Naphthalene

Concen: 12.13 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

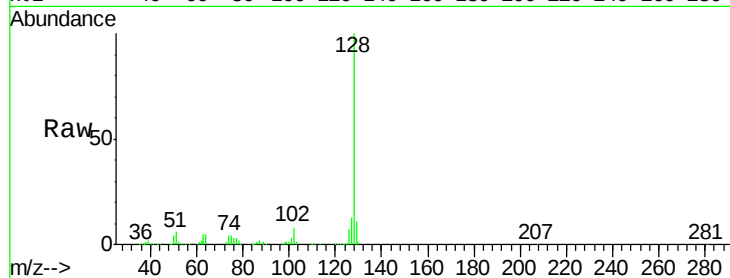
Tgt Ion:128 Resp: 202024

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

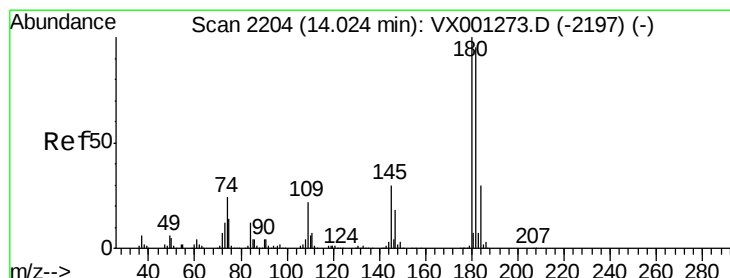
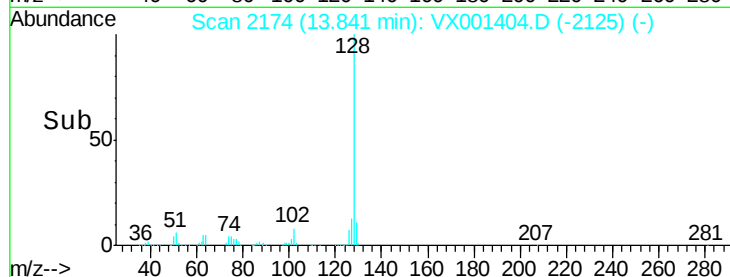
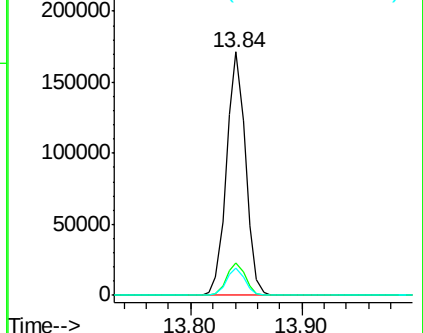
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 11.21 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001404.D

Acq: 04 May 2018 18:32

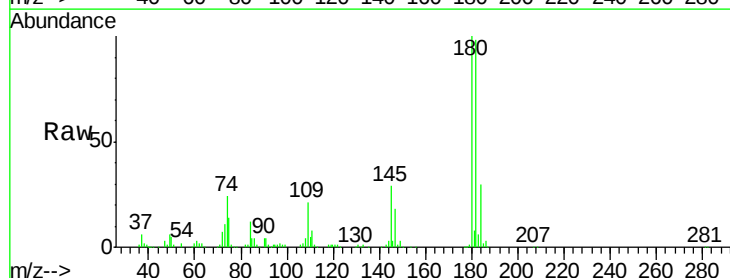
Tgt Ion:180 Resp: 72221

Ion Ratio Lower Upper

180 100

182 95.2 48.1 144.3

145 28.1 14.4 43.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

