

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003091.D
 Acq On : 30 Jun 2018 20:42
 Operator : JC/MD
 Sample : J3675-11MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MSD

Quant Time: Jul 02 02:46:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	369088	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	350873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	218324	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	176903	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	5.51	113	148889	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	8.72	98	519823	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	11.14	95	203165	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	141574	59.46	ug/l	100
3) Chloromethane	1.32	50	140467	56.93	ug/l	98
4) Vinyl Chloride	1.40	62	161242	53.42	ug/l	91
5) Bromomethane	1.64	94	54056	37.69	ug/l	98
6) Chloroethane	1.72	64	97590	55.33	ug/l	100
7) Trichlorofluoromethane	1.93	101	244577	48.03	ug/l	99
8) Diethyl Ether	2.19	74	91202	49.27	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	138808	47.05	ug/l	97
10) Methyl Iodide	2.51	142	140297	47.28	ug/l	98
11) Tert butyl alcohol	3.08	59	170309	231.72	ug/l	99
12) 1,1-Dichloroethene	2.37	96	128604	48.85	ug/l	95
13) Acrolein	2.30	56	54270	135.17	ug/l	100
14) Allyl chloride	2.73	41	246818	47.56	ug/l	95
15) Acrylonitrile	3.15	53	398840	254.06	ug/l	99
16) Acetone	2.45	43	358702	234.77	ug/l	96
17) Carbon Disulfide	2.57	76	339645	48.42	ug/l	99
18) Methyl Acetate	2.78	43	177258	41.49	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	471835	49.86	ug/l	99
20) Methylene Chloride	2.86	84	143548	48.28	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	139891	48.79	ug/l	93
22) Diisopropyl ether	3.88	45	515868	52.01	ug/l	98
23) Vinyl Acetate	3.83	43	2033936	242.16	ug/l	98
24) 1,1-Dichloroethane	3.70	63	265886	49.32	ug/l	99
25) 2-Butanone	4.71	43	590026	260.20	ug/l	95
26) 2,2-Dichloropropane	4.59	77	167695	38.25	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	174144	54.17	ug/l	91
28) Bromochloromethane	5.03	49	130844	50.70	ug/l	92
29) Tetrahydrofuran	5.17	42	374703	257.68	ug/l	96
30) Chloroform	5.22	83	282205	51.01	ug/l	98
31) Cyclohexane	5.58	56	228068	49.29	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	247364	50.81	ug/l	99
36) 1,1-Dichloropropene	5.80	75	199105	49.19	ug/l	99
37) Ethyl Acetate	4.87	43	208293	47.80	ug/l	99
38) Carbon Tetrachloride	5.79	117	220815	49.71	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	220584	46.79	ug/l	96
40) Benzene	6.15	78	591465	50.29	ug/l	100
41) Methacrylonitrile	5.07	41	130016	51.81	ug/l	97
42) 1,2-Dichloroethane	6.20	62	228497	48.10	ug/l	99
43) Isopropyl Acetate	6.47	43	348580	47.69	ug/l	98
44) Trichloroethene	7.21	130	173157	49.39	ug/l	99
45) 1,2-Dichloropropane	7.52	63	155364	49.80	ug/l	99
46) Dibromomethane	7.67	93	107742	49.77	ug/l	96
47) Bromodichloromethane	7.90	83	206162	51.51	ug/l	99
48) Methyl methacrylate	7.78	41	190380	50.55	ug/l	95
49) 1,4-Dioxane	7.76	88	69006	941.81	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1183592	258.83	ug/l	98
52) Toluene	8.79	92	381830	50.68	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	225987	49.86	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	213717	49.00	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	159675	51.58	ug/l	98
56) Ethyl methacrylate	9.18	69	240428	53.14	ug/l	94
57) 1,3-Dichloropropane	9.38	76	257817	50.71	ug/l	100
59) 2-Hexanone	9.50	43	894657	257.43	ug/l	96
60) Dibromochloromethane	9.59	129	171513	52.63	ug/l	100
61) 1,2-Dibromoethane	9.68	107	168171	51.79	ug/l	99
64) Tetrachloroethene	9.34	164	166261	42.61	ug/l	99
65) Chlorobenzene	10.14	112	442425	49.64	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	167314	51.68	ug/l	99
67) Ethyl Benzene	10.26	91	754053	51.22	ug/l	100
68) m/p-Xylenes	10.36	106	577670	101.81	ug/l	98
69) o-Xylene	10.70	106	282494	51.13	ug/l	98
70) Styrene	10.71	104	470459	52.41	ug/l	99
71) Bromoform	10.86	173	136046	46.78	ug/l	99
73) Isopropylbenzene	11.02	105	765981	52.15	ug/l	100
74) N-amyl acetate	6.47	43	348580	48.51	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	245893	54.35	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	264107	66.78	ug/l	80
77) Bromobenzene	11.26	156	217696	52.05	ug/l	95
78) n-propylbenzene	11.37	91	851891	50.96	ug/l	99
79) 2-Chlorotoluene	11.43	91	510644	50.45	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	630652	50.98	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	56520	42.04	ug/l	99
82) 4-Chlorotoluene	11.51	91	602911	50.32	ug/l	99
83) tert-Butylbenzene	11.77	119	645476	52.95	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	654978	51.10	ug/l	98
85) sec-Butylbenzene	11.95	105	739223	49.98	ug/l	99
86) p-Isopropyltoluene	12.07	119	667963	50.24	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	383740	50.23	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	387483	49.29	ug/l	99
89) n-Butylbenzene	12.39	91	547454	47.30	ug/l	99
90) Hexachloroethane	12.60	117	98151	49.63	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	389174	50.48	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	54079	53.17	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	280684	50.02	ug/l	100

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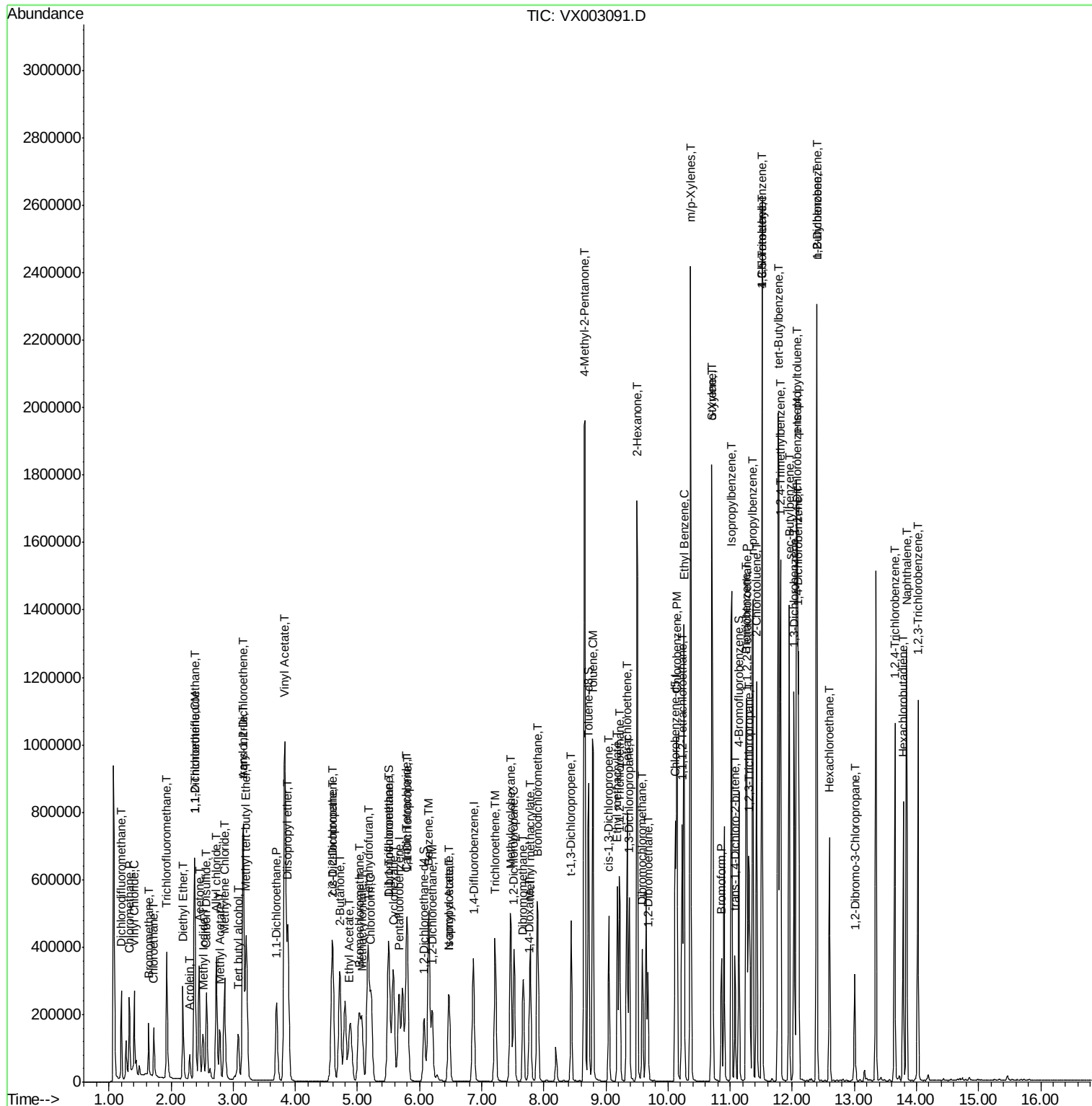
Instrument :
MSVOA_X
ClientSampleId :
S73-0217MSD

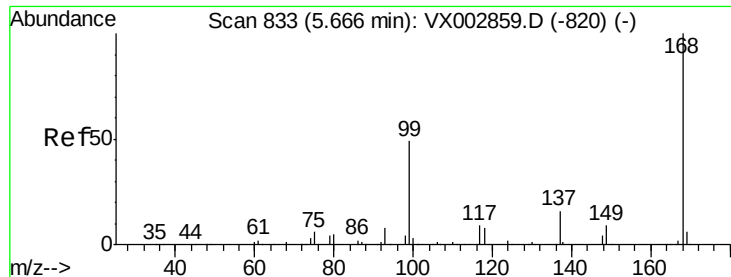
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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	129648	46.33	ug/l	99
95) Naphthalene	13.84	128	823774	55.12	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	287005	51.21	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

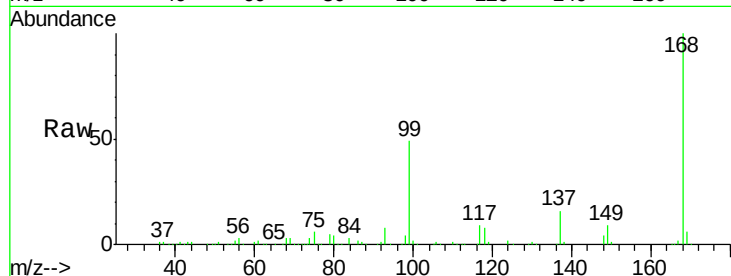
S73-0217MSD

Tot Ion:168 Resp: 266924

Ion Ratio Lower Upper

168 100

99 49.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

40000

20000

0

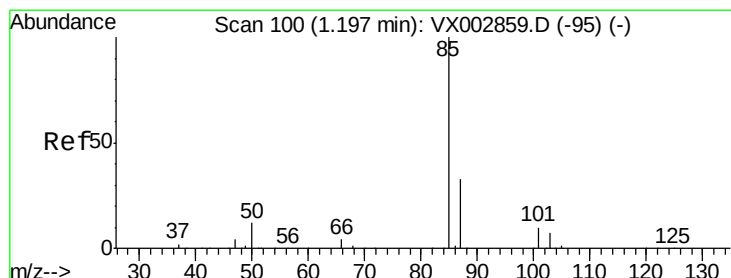
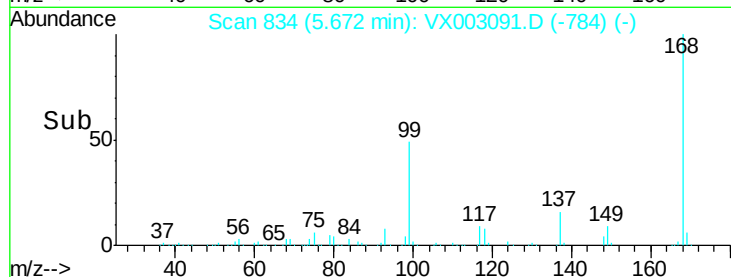
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 59.46 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003091.D

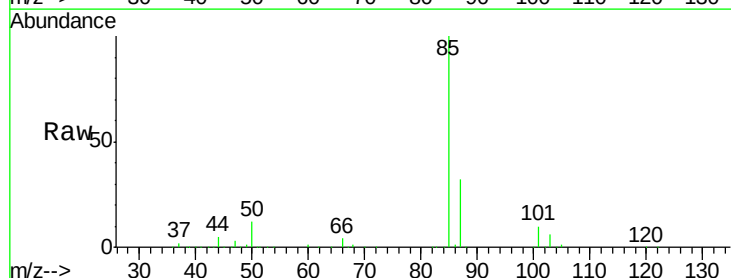
Acq: 30 Jun 2018 20:42

Tgt Ion: 85 Resp: 141574

Ion Ratio Lower Upper

85 100

87 32.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

100000

50000

0

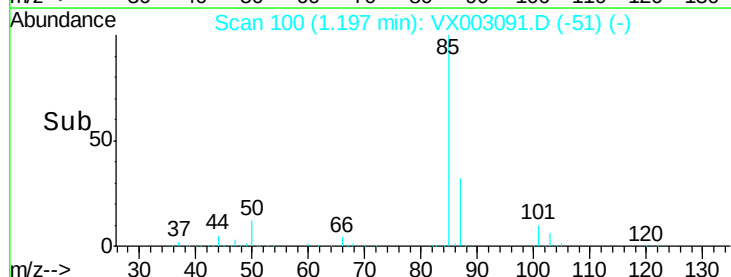
Time-->

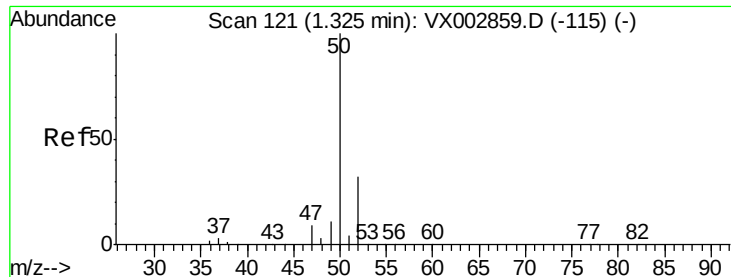
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 56.93 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampled :

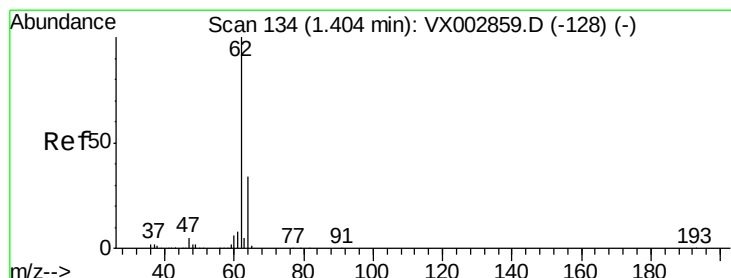
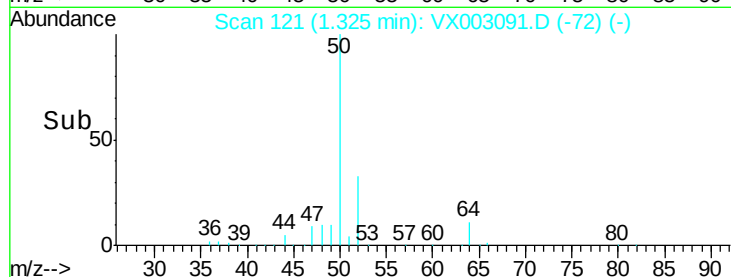
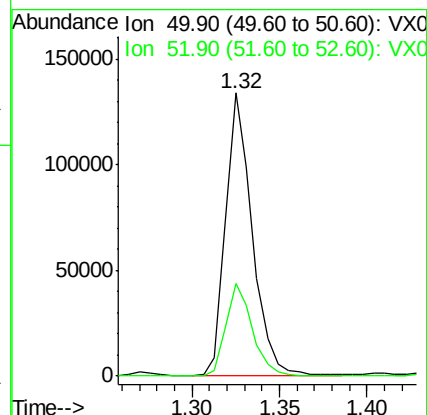
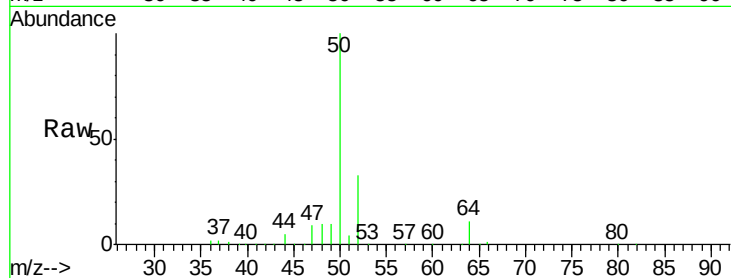
S73-0217MSD

Tot Ion: 50 Resp: 140467

Ion Ratio Lower Upper

50 100

52 33.0 25.7 38.5



#4

Vinyl Chloride

Concen: 53.42 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003091.D

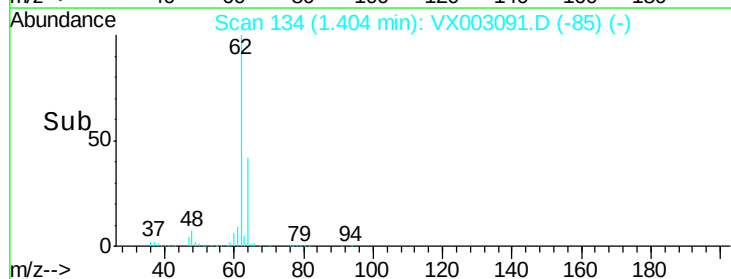
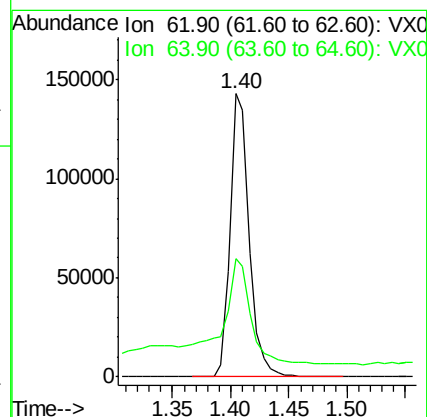
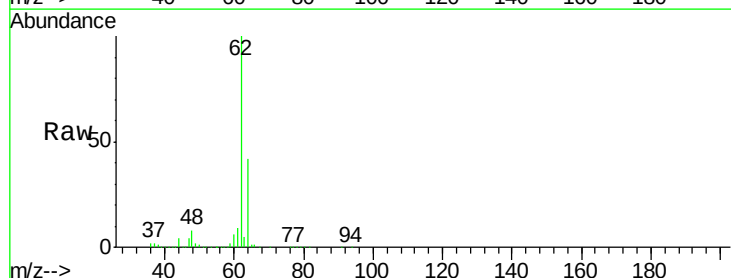
Acq: 30 Jun 2018 20:42

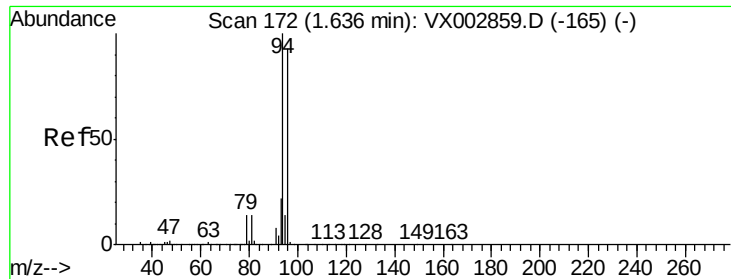
Tgt Ion: 62 Resp: 161242

Ion Ratio Lower Upper

62 100

64 37.1 25.4 38.2





#5

Bromomethane

Concen: 37.69 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

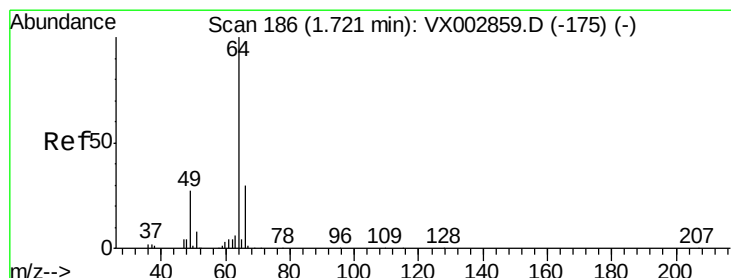
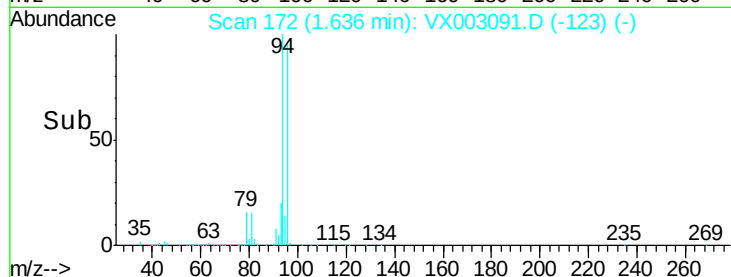
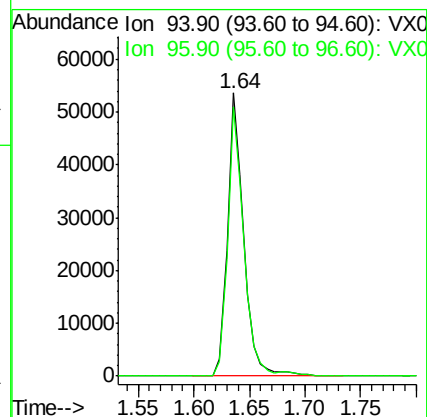
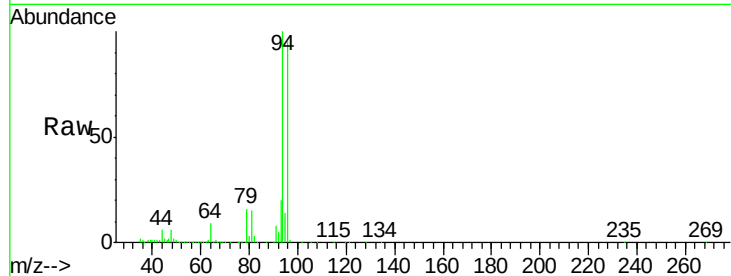
S73-0217MSD

Tot Ion: 94 Resp: 54056

Ion Ratio Lower Upper

94 100

96 95.3 74.9 112.3



#6

Chloroethane

Concen: 55.33 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003091.D

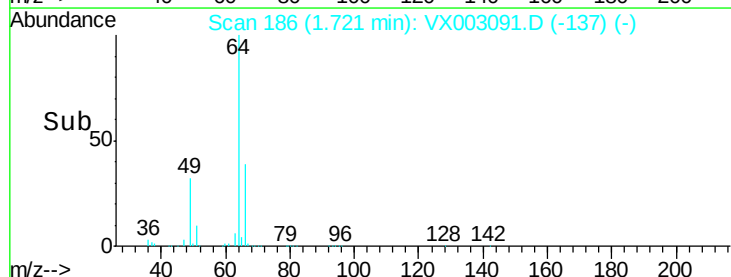
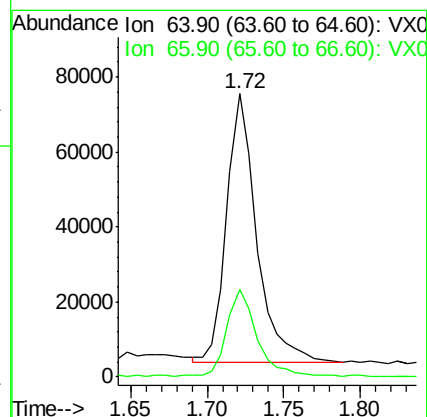
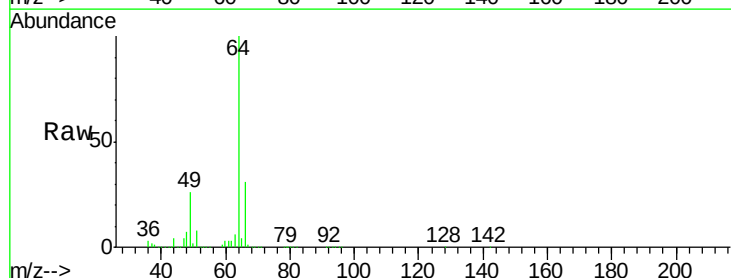
Acq: 30 Jun 2018 20:42

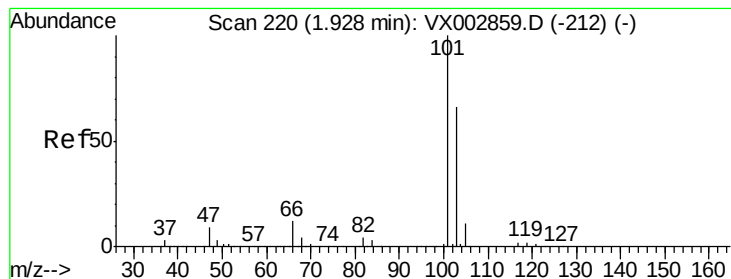
Tgt Ion: 64 Resp: 97590

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



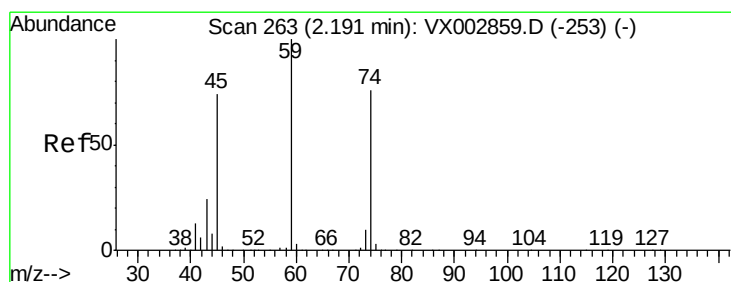
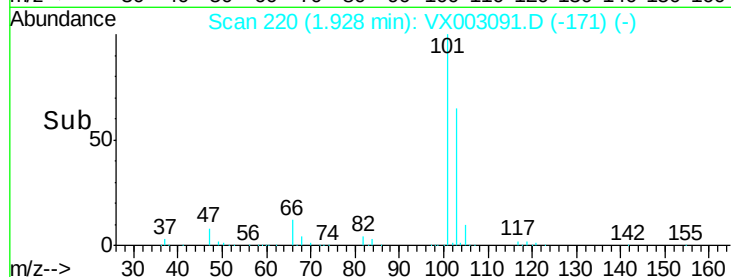
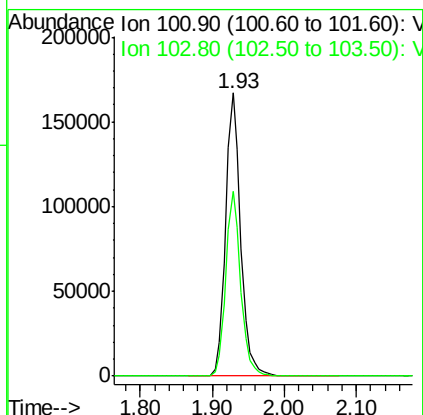
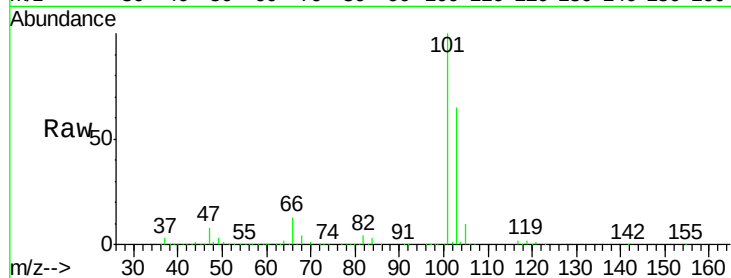


#7

Trichlorofluoromethane
 Concen: 48.03 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MSD

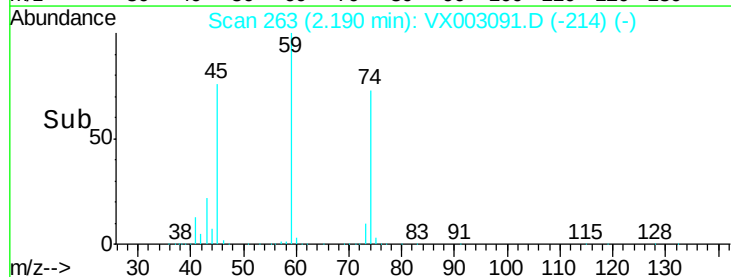
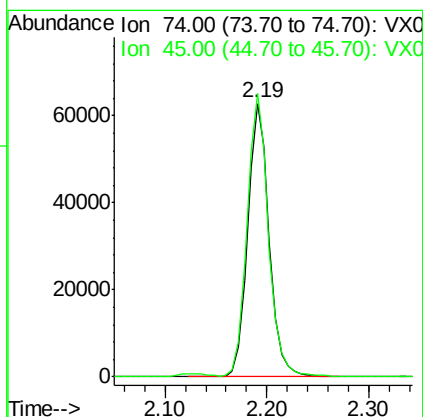
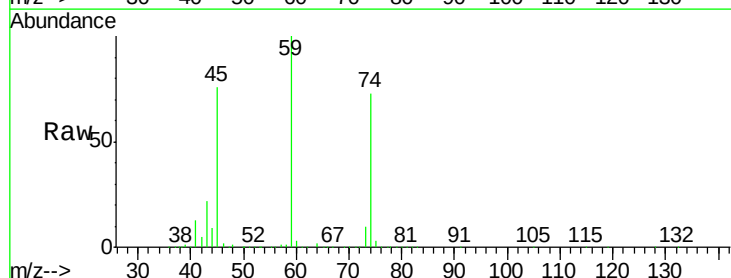
Tot Ion:101 Resp: 244577
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.8 79.2

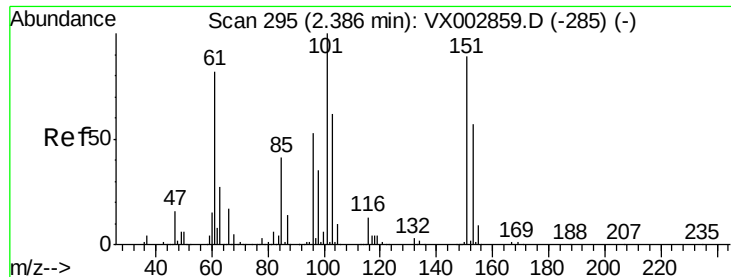


#8

Diethyl Ether
 Concen: 49.27 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

Tgt Ion: 74 Resp: 91202
 Ion Ratio Lower Upper
 74 100
 45 102.7 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.05 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MSD

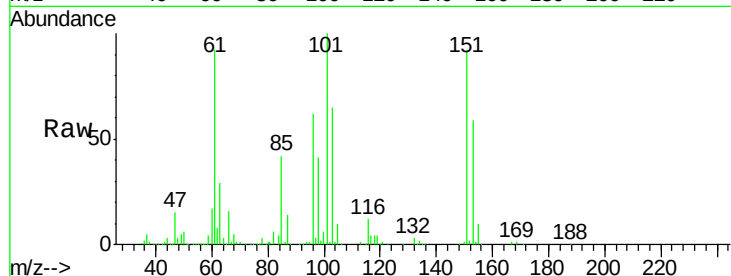
Tot Ion:101 Resp: 138808

Ion Ratio Lower Upper

101 100

85 43.5 36.0 54.0

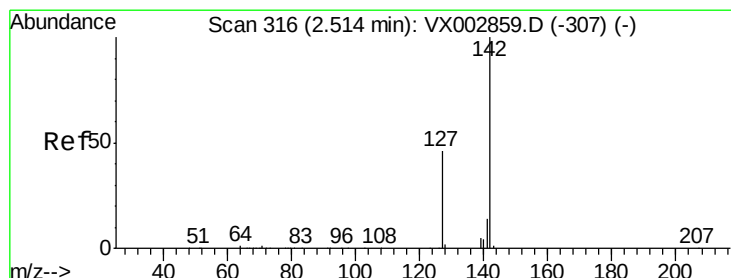
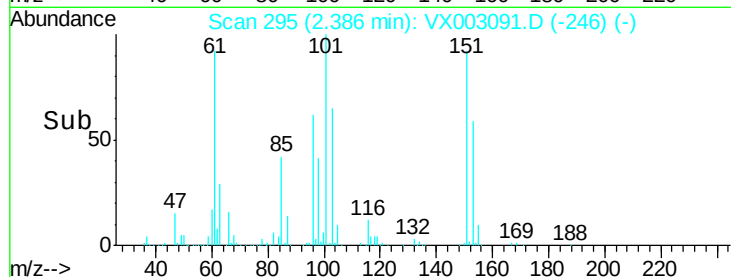
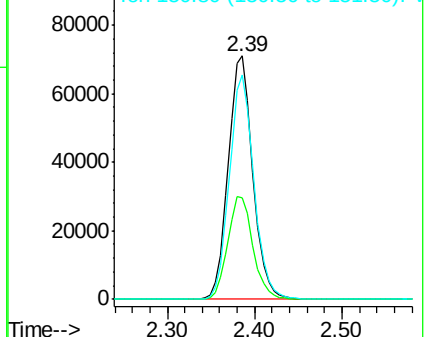
151 92.0 70.9 106.3



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: 47.28 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

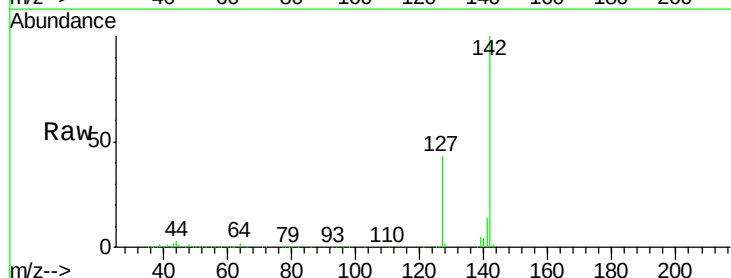
Tgt Ion:142 Resp: 140297

Ion Ratio Lower Upper

142 100

127 43.9 36.6 55.0

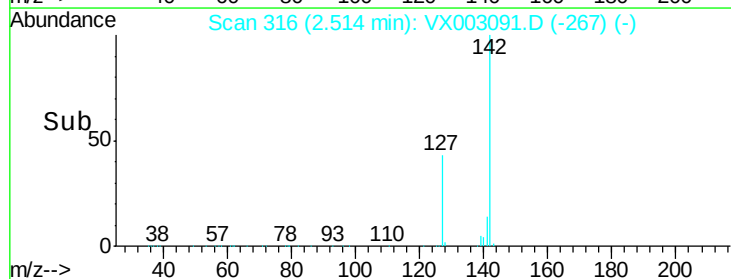
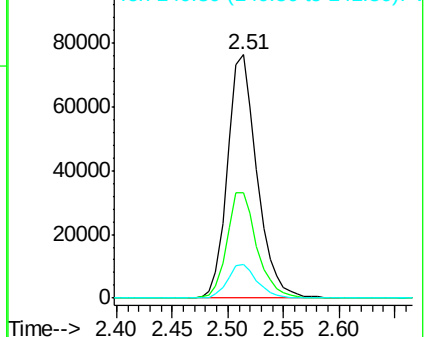
141 14.1 11.3 16.9

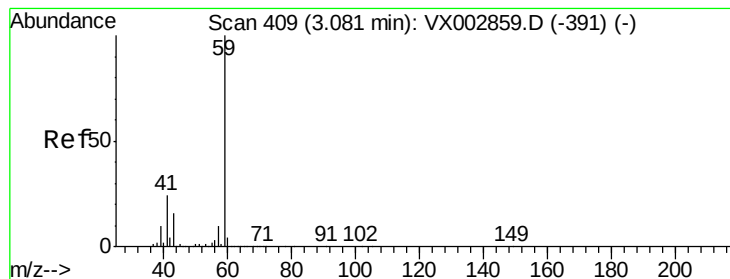


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 231.72 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

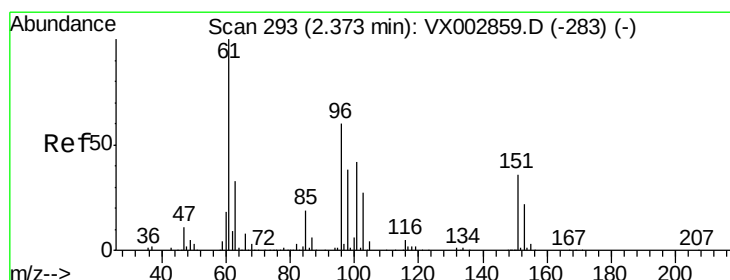
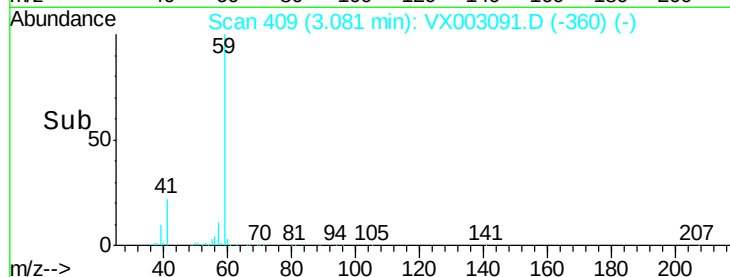
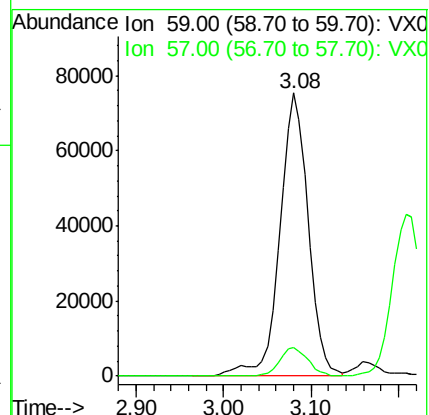
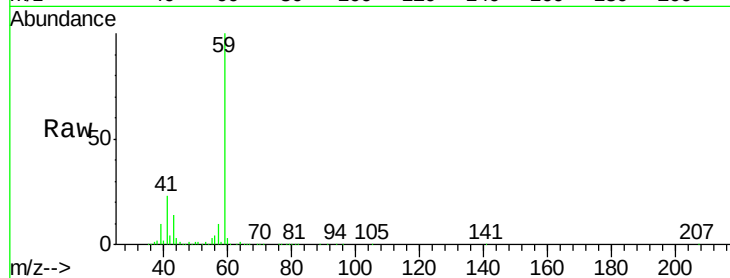
S73-0217MSD

Tot Ion: 59 Resp: 170309

Ion Ratio Lower Upper

59 100

57 9.9 8.2 12.2



#12

1,1-Dichloroethene

Concen: 48.85 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

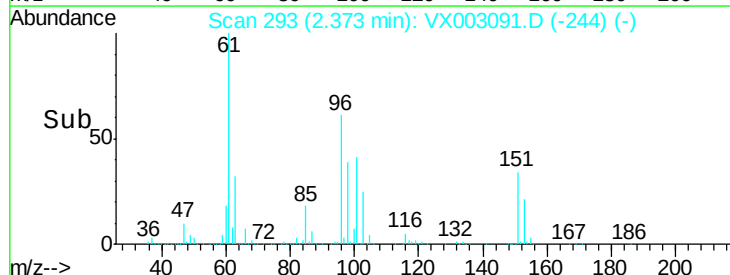
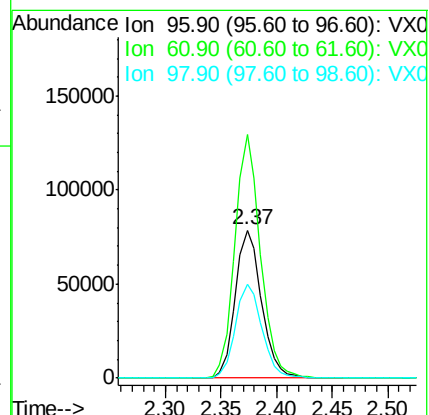
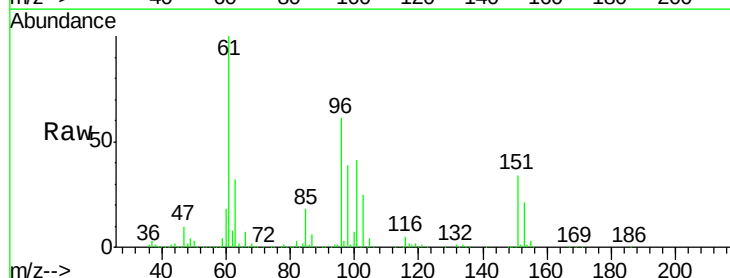
Tgt Ion: 96 Resp: 128604

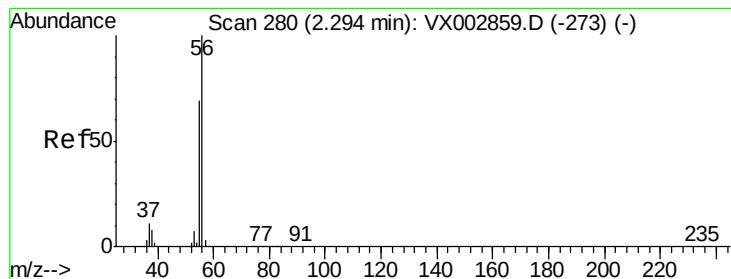
Ion Ratio Lower Upper

96 100

61 164.3 137.9 206.9

98 63.3 51.6 77.4





#13

Acrolein

Concen: 135.17 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

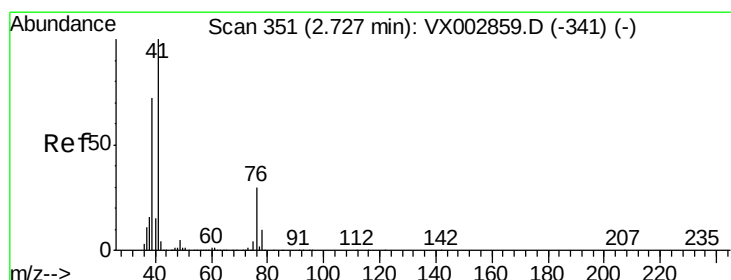
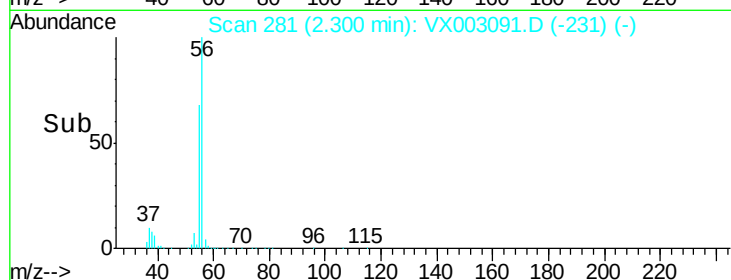
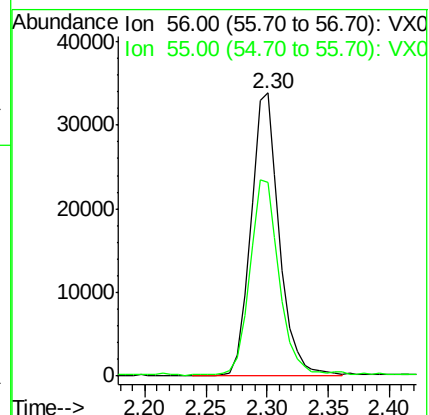
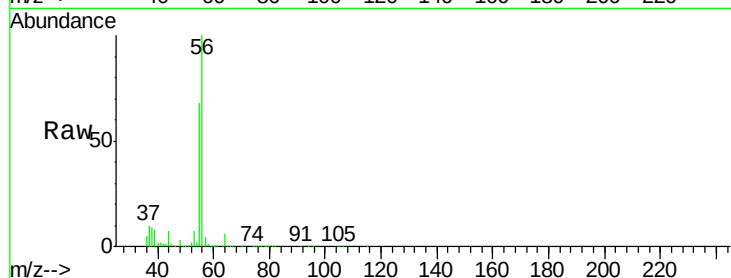
S73-0217MSD

Tot Ion: 56 Resp: 54270

Ion Ratio Lower Upper

56 100

55 71.1 57.0 85.4



#14

Allyl chloride

Concen: 47.56 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

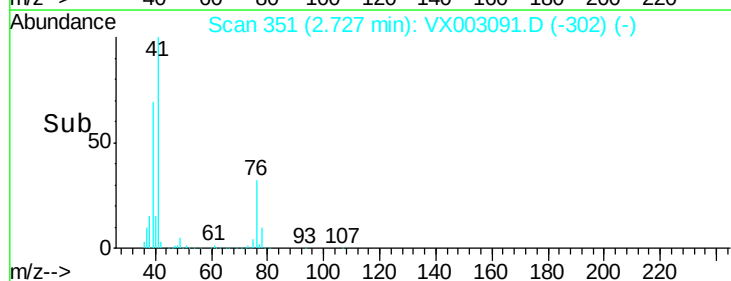
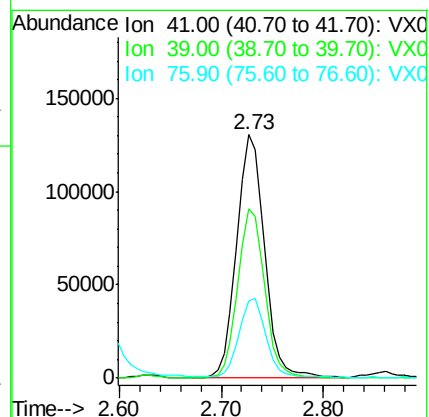
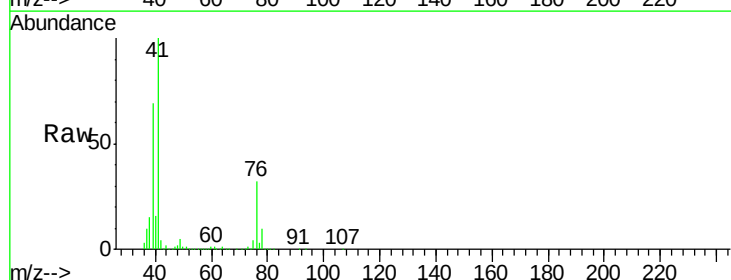
Tgt Ion: 41 Resp: 246818

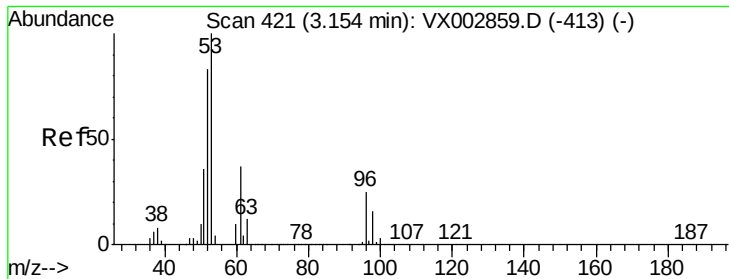
Ion Ratio Lower Upper

41 100

39 66.5 56.8 85.2

76 31.3 23.8 35.8





#15

Acrylonitrile

Concen: 254.06 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampled :

S73-0217MSD

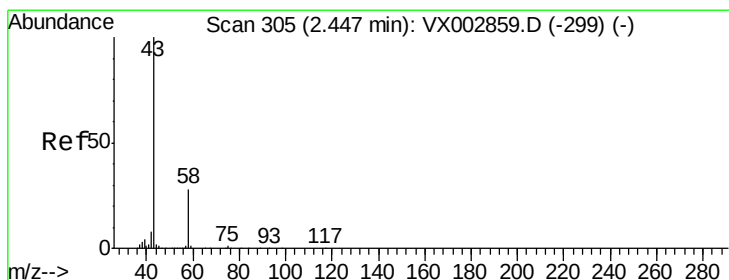
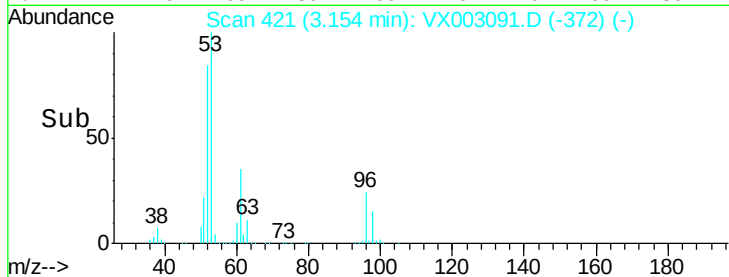
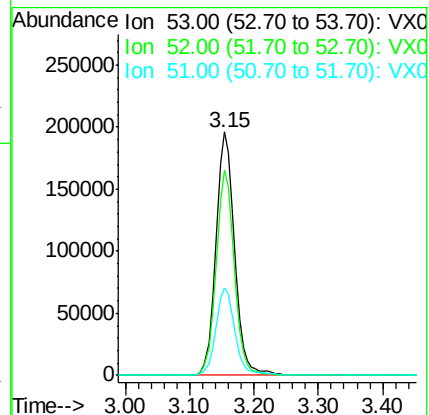
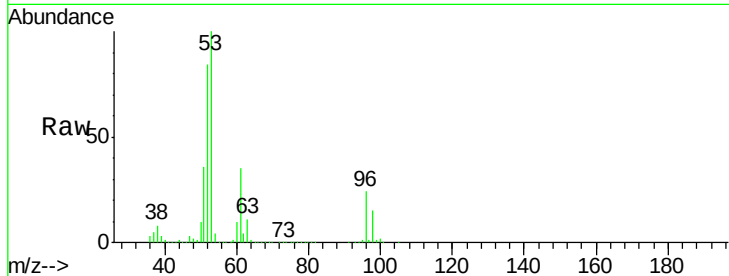
Tot Ion: 53 Resp: 398840

Ion Ratio Lower Upper

53 100

52 82.1 66.7 100.1

51 36.7 29.9 44.9



#16

Acetone

Concen: 234.77 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003091.D

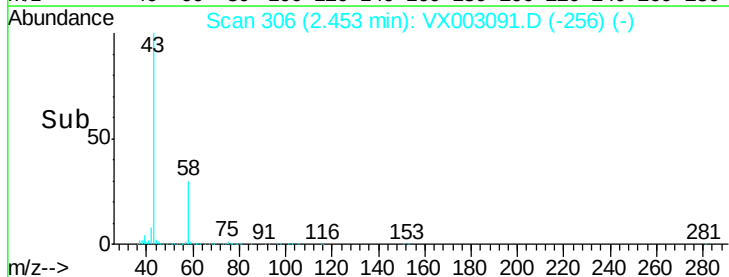
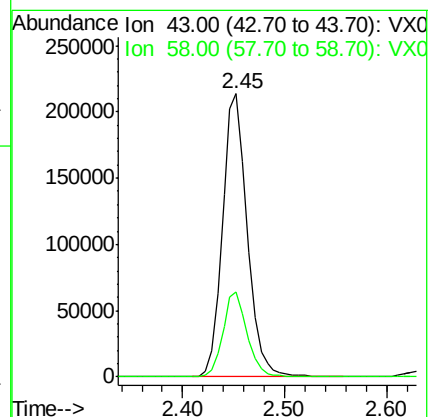
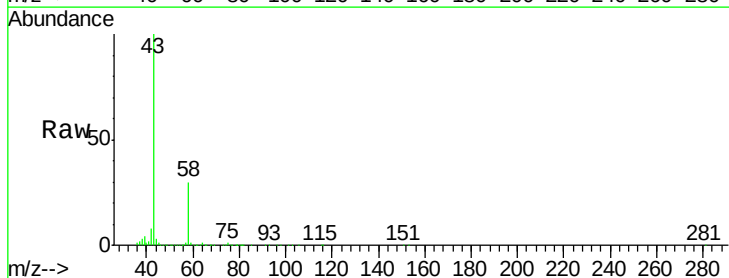
Acq: 30 Jun 2018 20:42

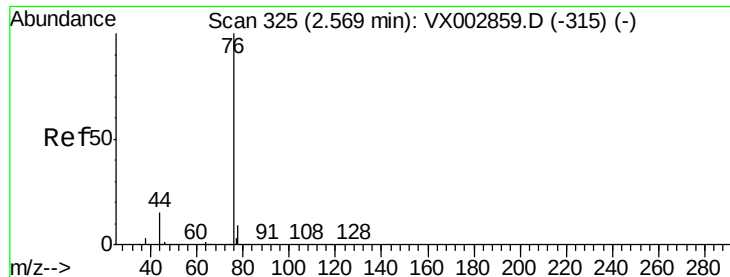
Tgt Ion: 43 Resp: 358702

Ion Ratio Lower Upper

43 100

58 29.8 22.1 33.1

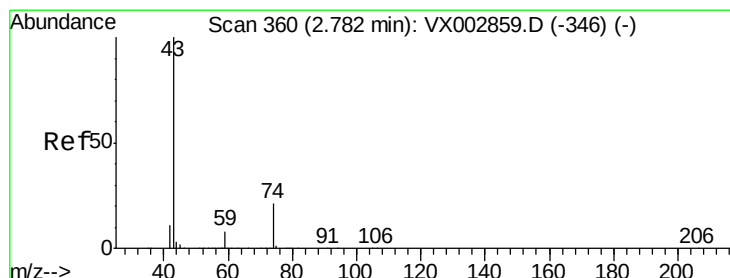
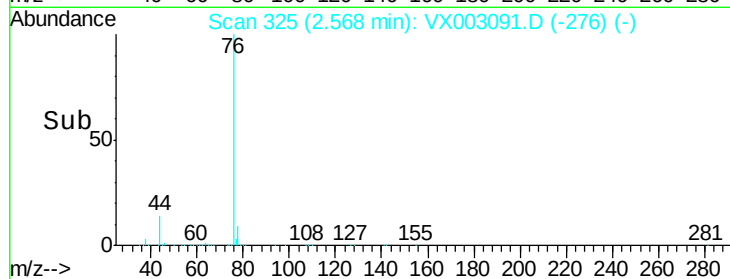
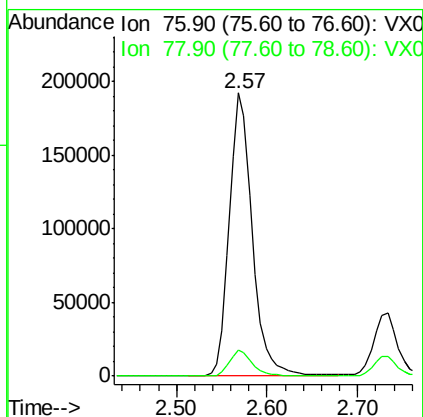
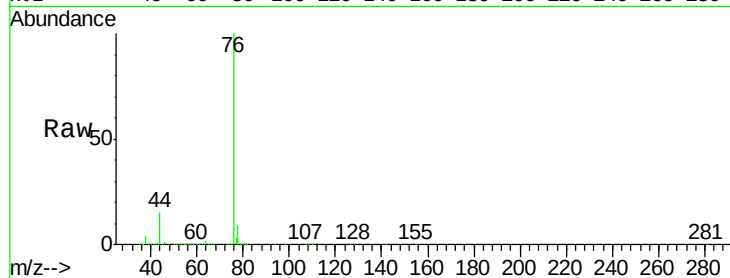




#17
Carbon Disulfide
Concen: 48.42 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

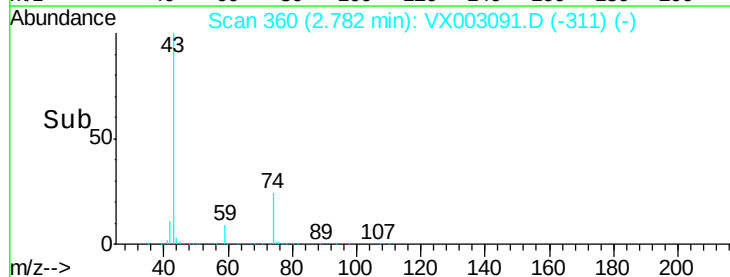
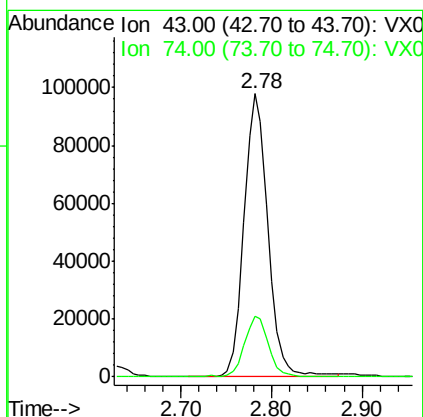
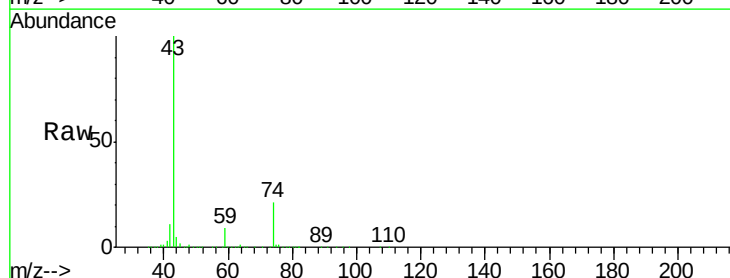
Instrument :
MSVOA_X
ClientSampleId :
S73-0217MSD

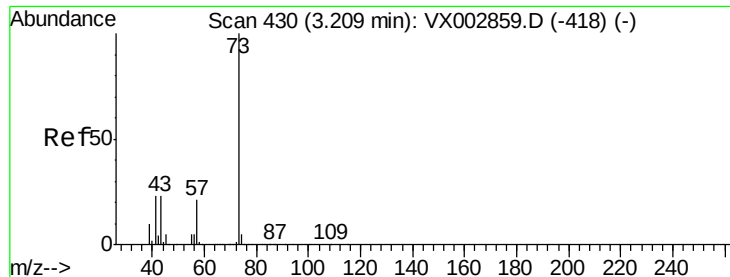
Tot Ion: 76 Resp: 339645
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#18
Methyl Acetate
Concen: 41.49 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

Tgt Ion: 43 Resp: 177258
Ion Ratio Lower Upper
43 100
74 21.1 16.7 25.1



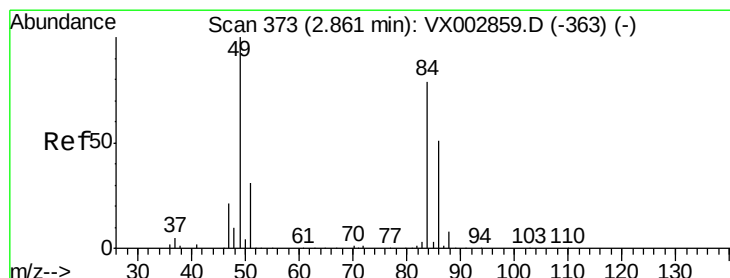
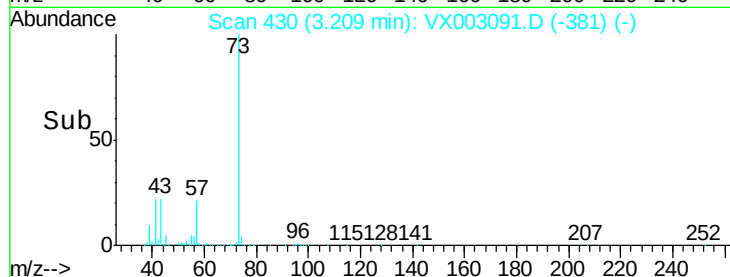
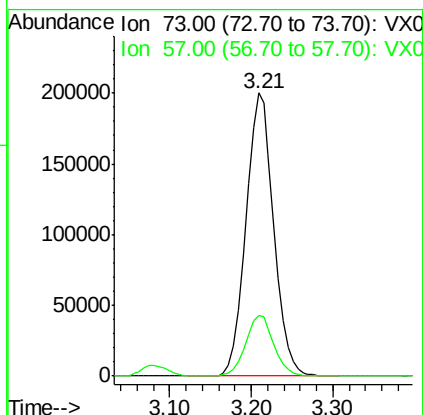
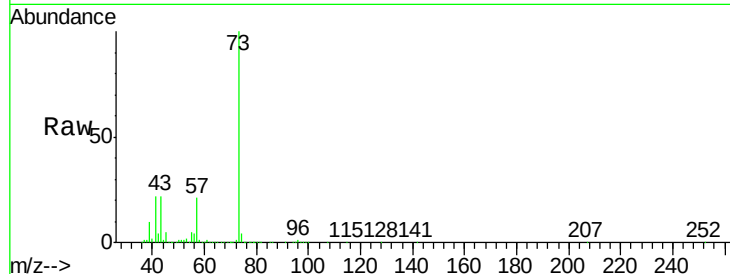


#19

Methyl tert-butyl Ether
 Concen: 49.86 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MSD

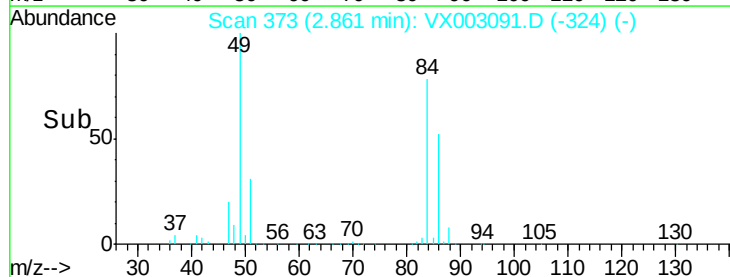
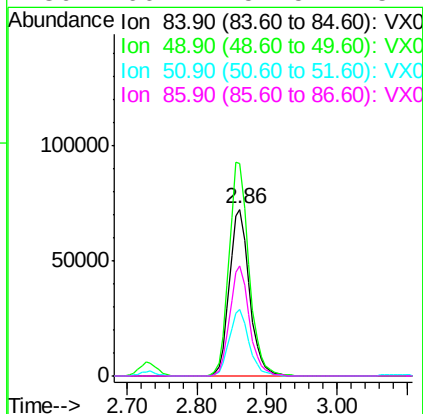
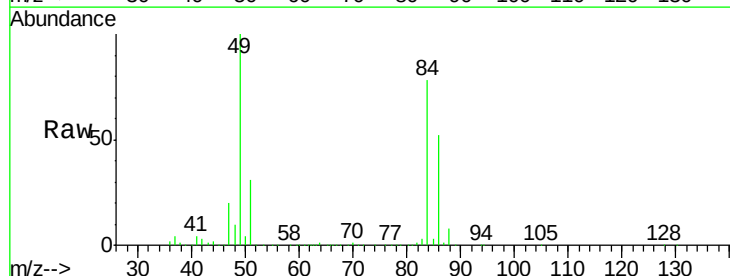
Tot Ion: 73 Resp: 471835
 Ion Ratio Lower Upper
 73 100
 57 21.4 17.7 26.5

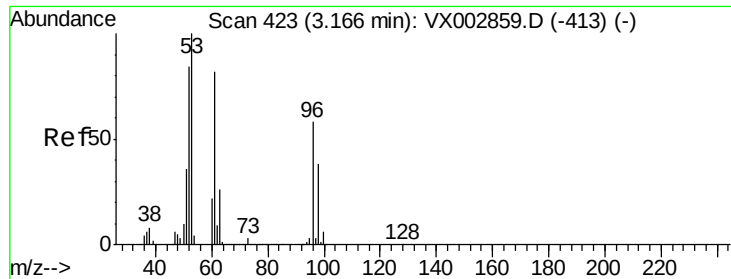


#20

Methylene Chloride
 Concen: 48.28 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

Tgt Ion: 84 Resp: 143548
 Ion Ratio Lower Upper
 84 100
 49 127.8 107.8 161.6
 51 39.6 32.8 49.2
 86 66.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 48.79 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampled :

S73-0217MSD

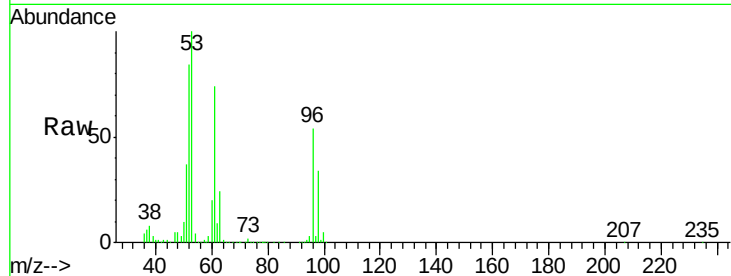
Tot Ion: 96 Resp: 139891

Ion Ratio Lower Upper

96 100

61 136.2 117.0 175.4

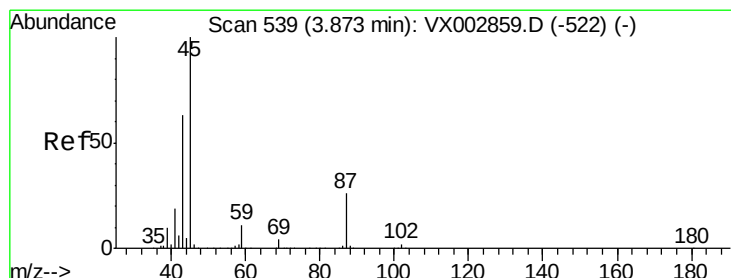
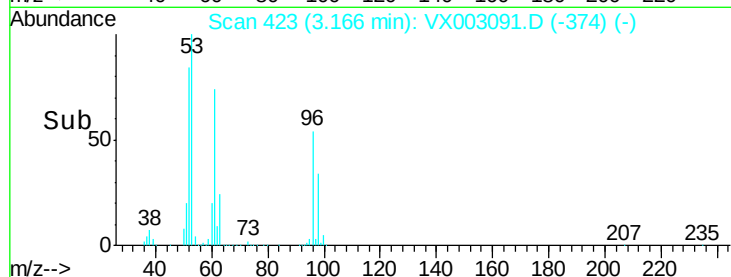
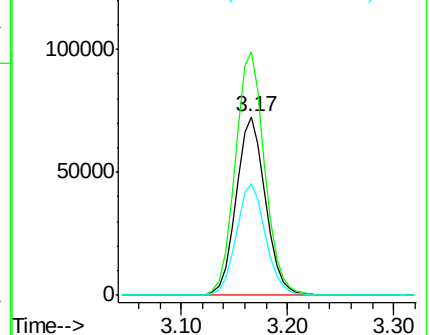
98 62.8 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 52.01 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Tgt Ion: 45 Resp: 515868

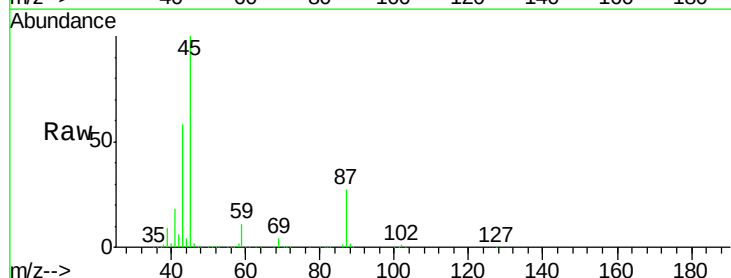
Ion Ratio Lower Upper

45 100

43 57.7 46.8 70.2

87 27.5 20.2 30.4

59 11.1 8.7 13.1

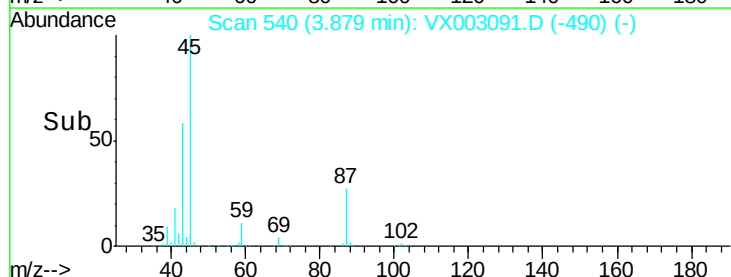
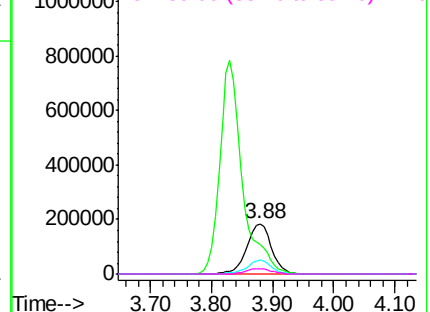


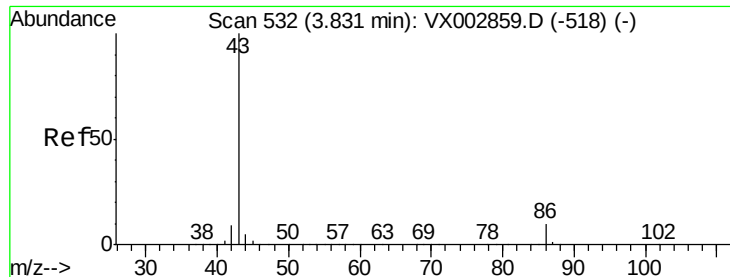
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 242.16 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

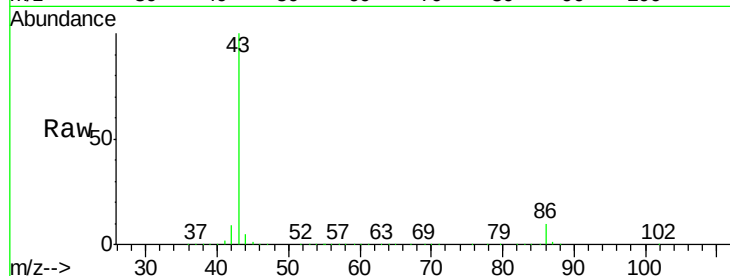
S73-0217MSD

Tot Ion: 43 Resp: 2033936

Ion Ratio Lower Upper

43 100

86 9.9 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

800000

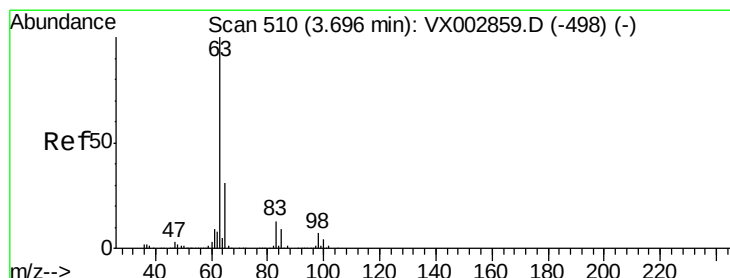
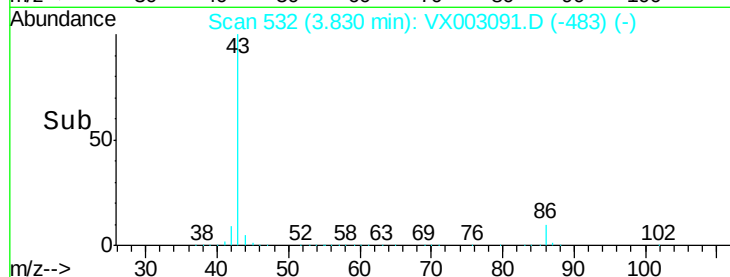
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.32 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

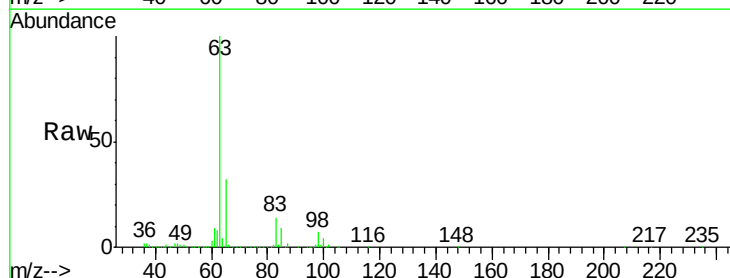
Tgt Ion: 63 Resp: 265886

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.1 2.0 6.0



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

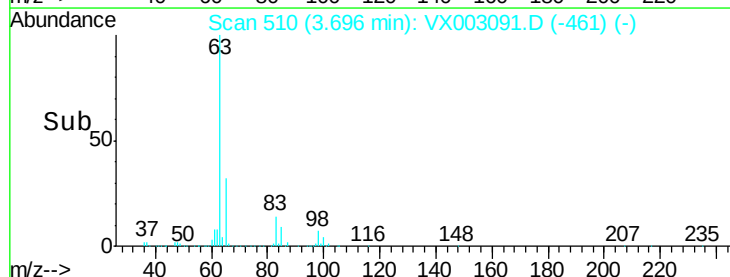
150000

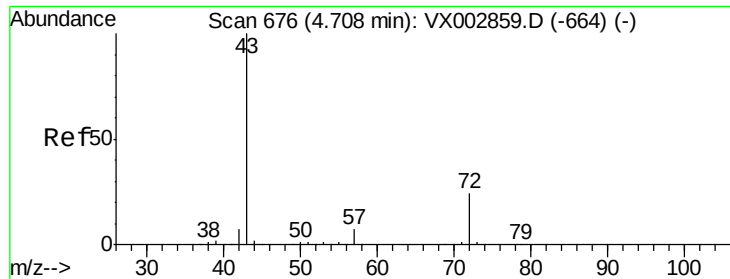
100000

50000

0

Time-->

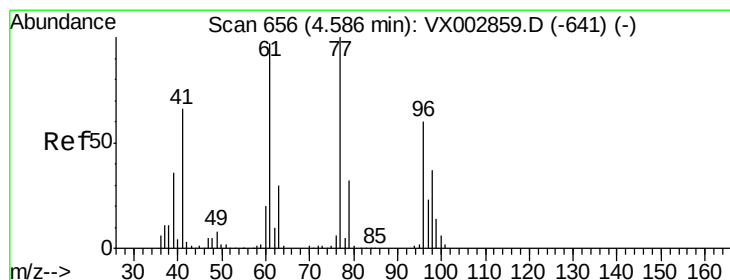
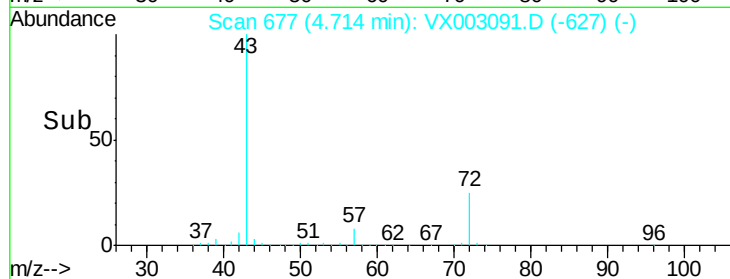
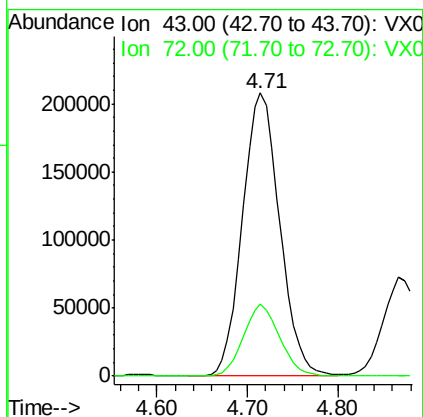
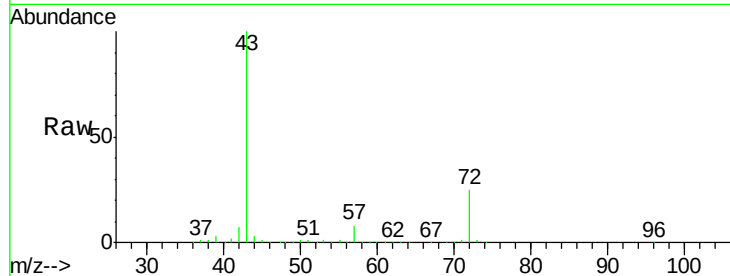




#25
2-Butanone
Concen: 260.20 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

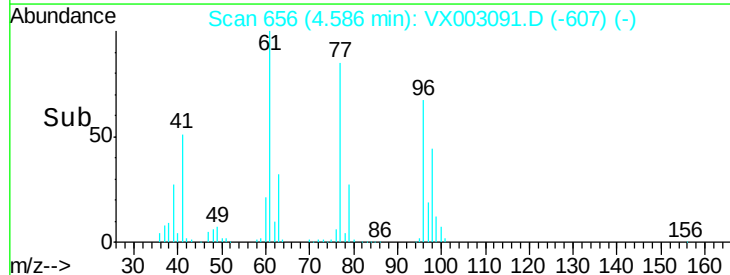
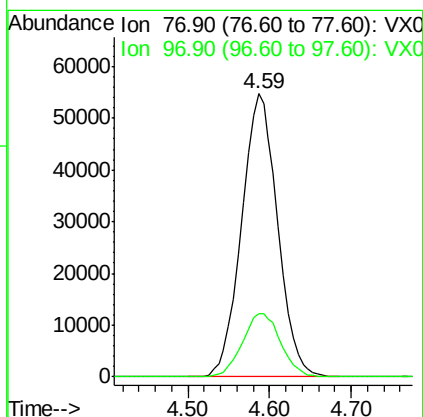
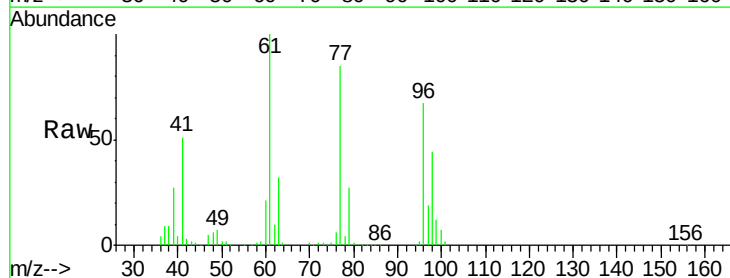
Instrument :
MSVOA_X
ClientSampleId :
S73-0217MSD

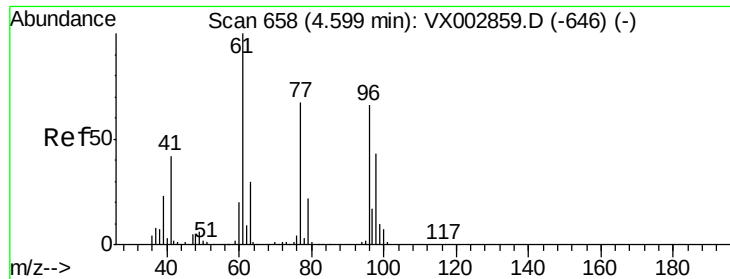
Tot Ion: 43 Resp: 590026
Ion Ratio Lower Upper
43 100
72 25.3 18.5 27.7



#26
2,2-Dichloropropane
Concen: 38.25 ug/l
RT: 4.59 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

Tgt Ion: 77 Resp: 167695
Ion Ratio Lower Upper
77 100
97 24.0 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 54.17 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MSD

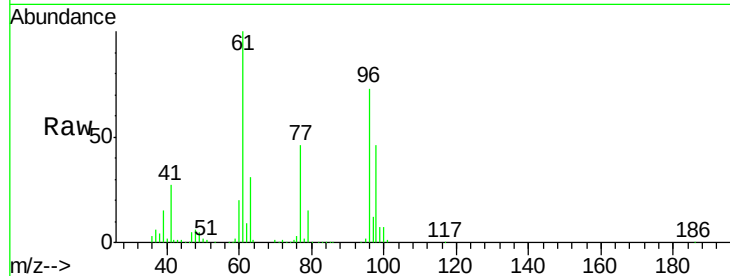
Tot Ion: 96 Resp: 174144

Ion Ratio Lower Upper

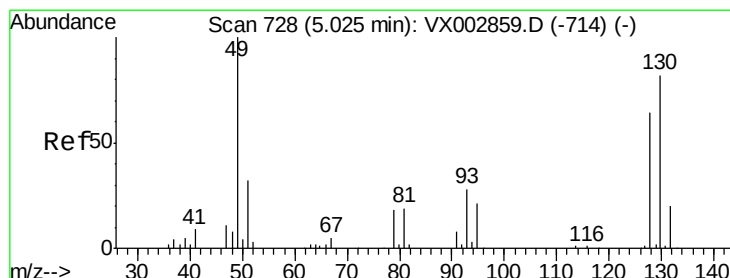
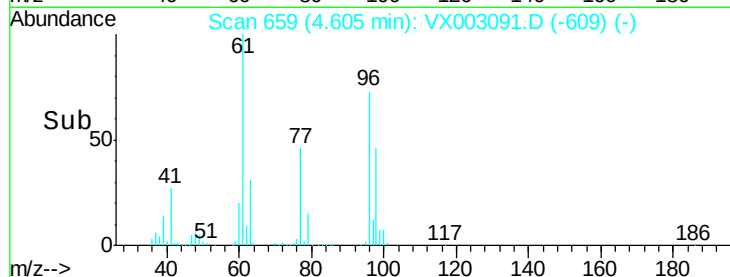
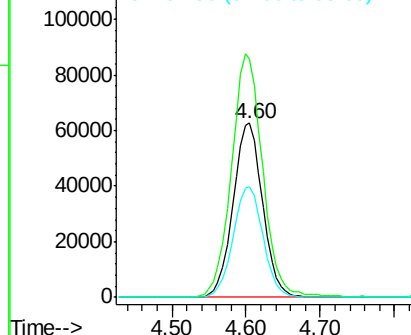
96 100

61 148.0 0.0 330.2

98 64.4 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: 50.70 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

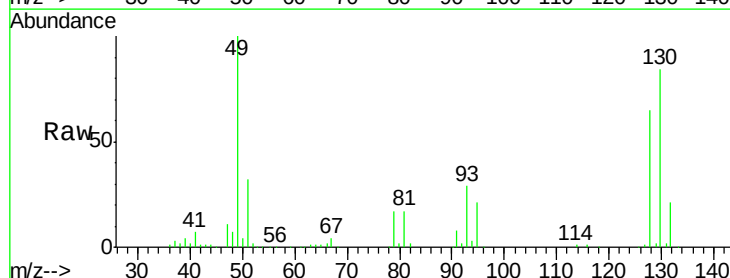
Tgt Ion: 49 Resp: 130844

Ion Ratio Lower Upper

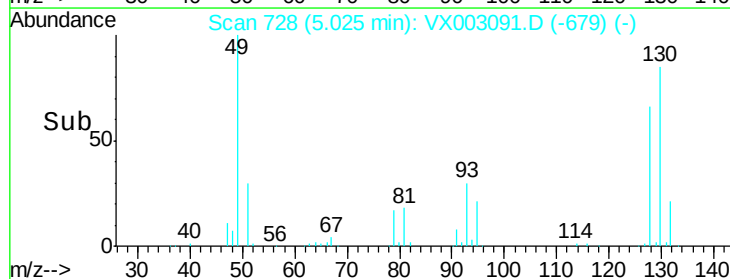
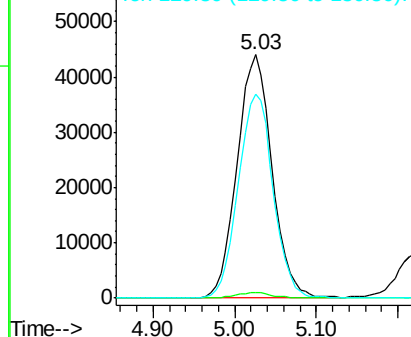
49 100

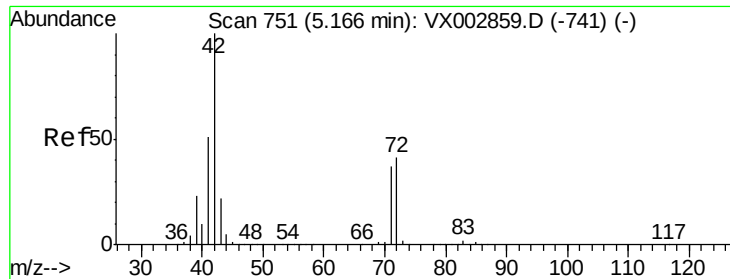
129 2.3 0.0 4.2

130 83.9 61.2 91.8



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

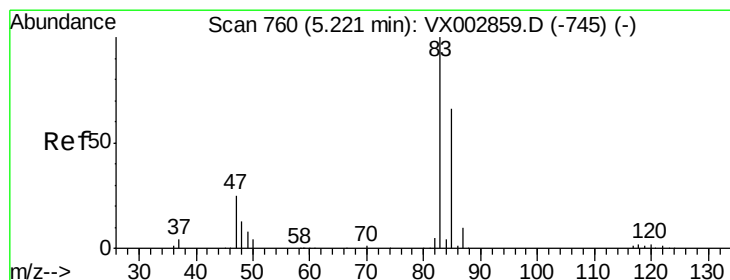
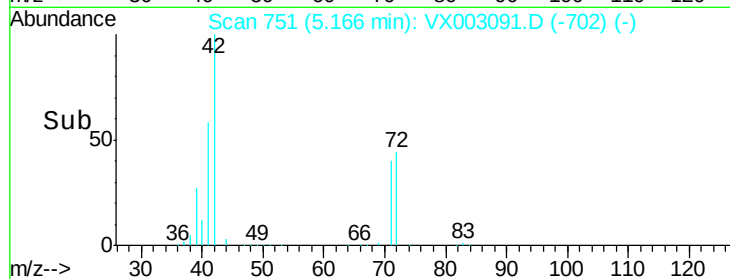
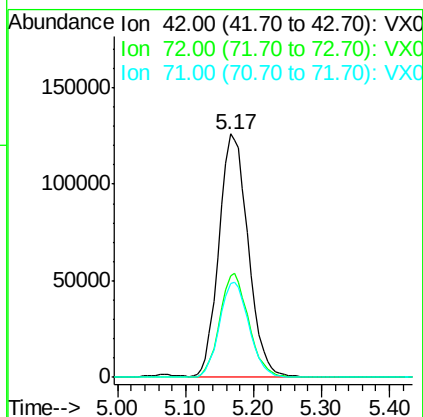
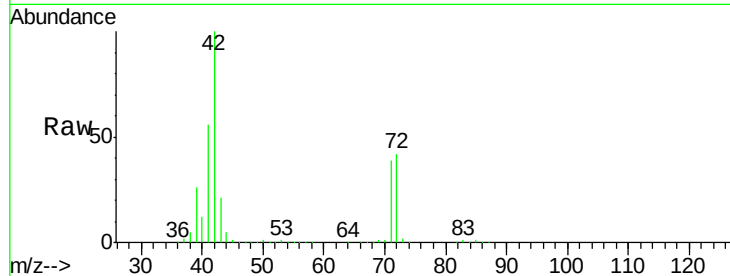




#29
Tetrahydrofuran
Concen: 257.68 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

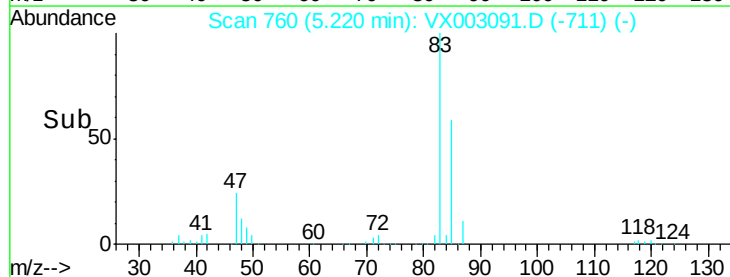
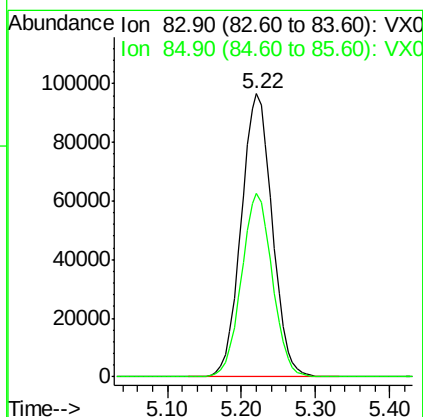
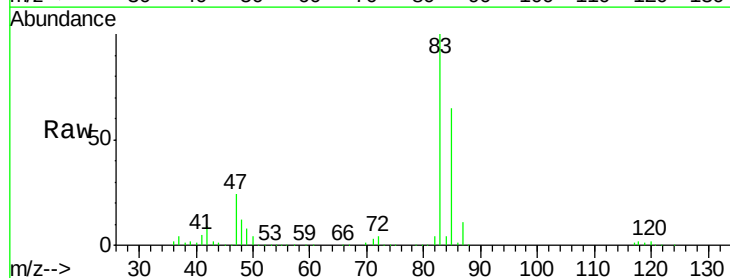
Instrument :
MSVOA_X
ClientSampleId :
S73-0217MSD

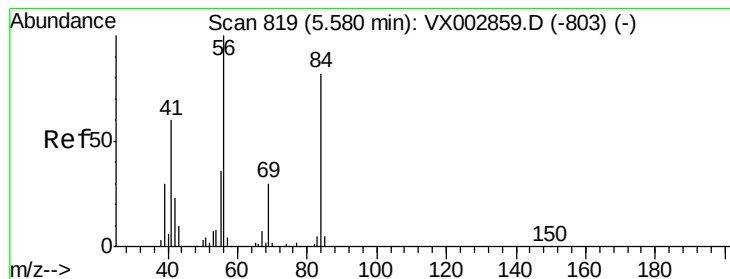
Tot Ion: 42 Resp: 374703
Ion Ratio Lower Upper
42 100
72 42.5 32.0 48.0
71 39.6 30.1 45.1



#30
Chloroform
Concen: 51.01 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

Tgt Ion: 83 Resp: 282205
Ion Ratio Lower Upper
83 100
85 64.6 50.4 75.6





#31

Cyclohexane

Concen: 49.29 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampled :

S73-0217MSD

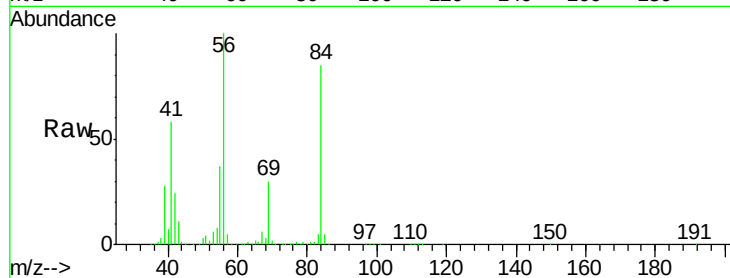
Tot Ion: 56 Resp: 228068

Ion Ratio Lower Upper

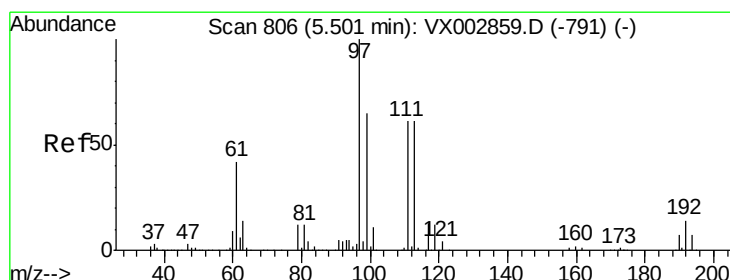
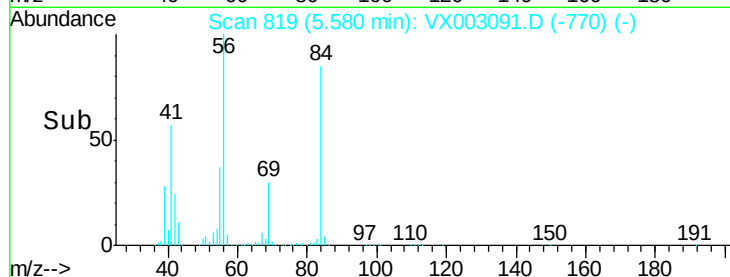
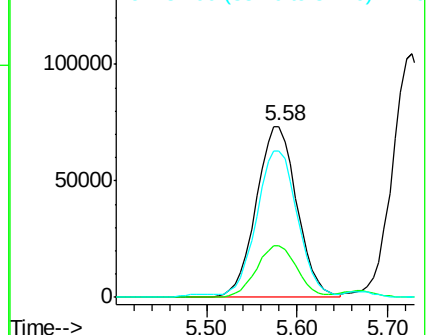
56 100

69 30.0 23.7 35.5

84 84.0 64.1 96.1



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: 50.81 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

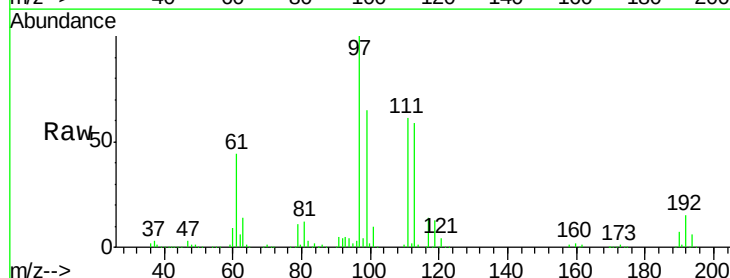
Tgt Ion: 97 Resp: 247364

Ion Ratio Lower Upper

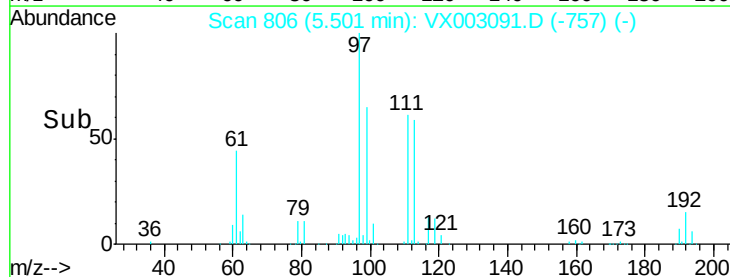
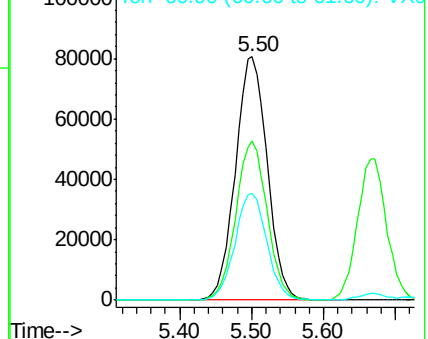
97 100

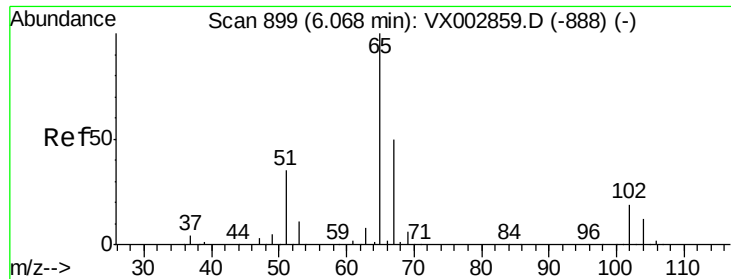
99 64.3 51.6 77.4

61 44.0 36.4 54.6



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

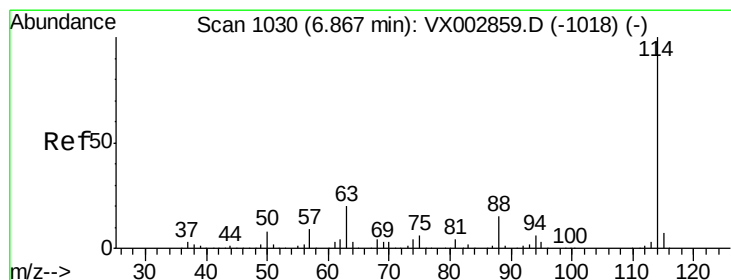
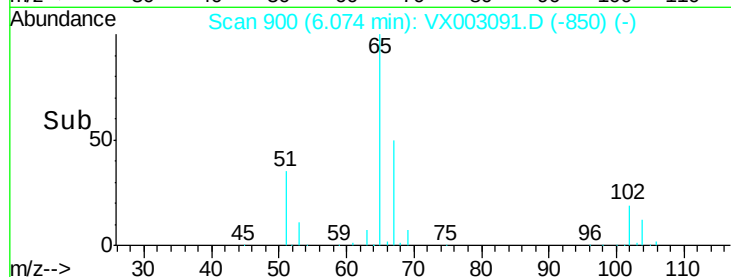
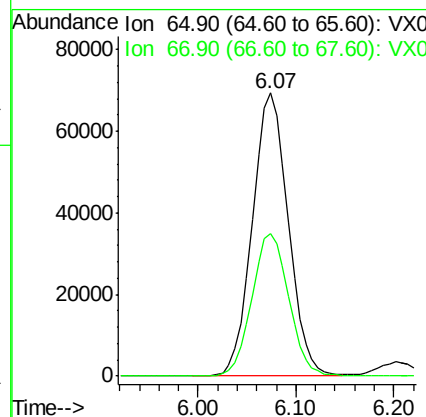
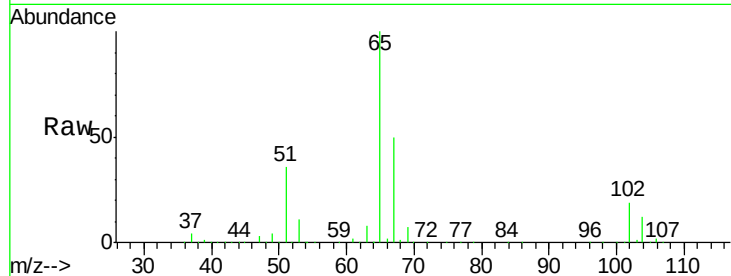




#33
 1,2-Dichloroethane-d4
 Concen: 47.95 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

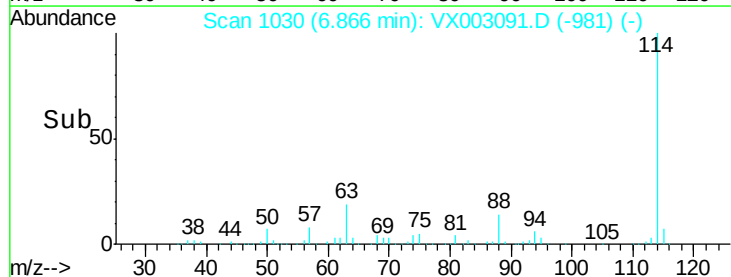
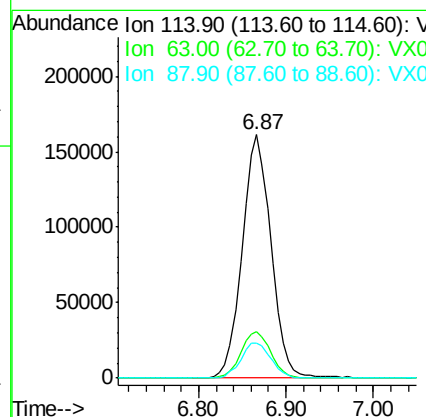
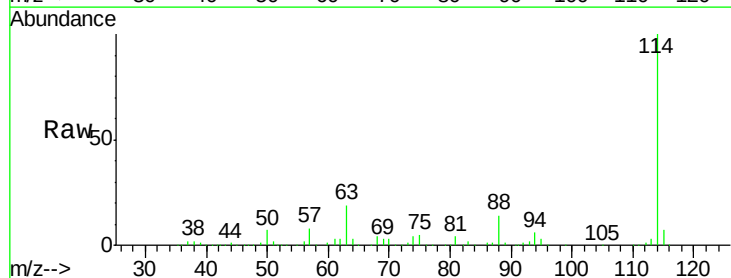
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MSD

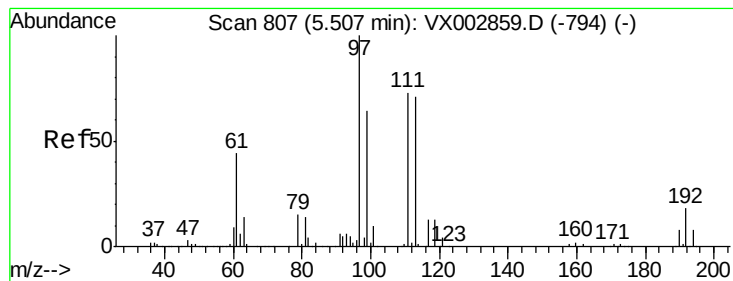
Tot Ion: 65 Resp: 176903
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

Tgt Ion: 114 Resp: 369088
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 14.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.94 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MSD

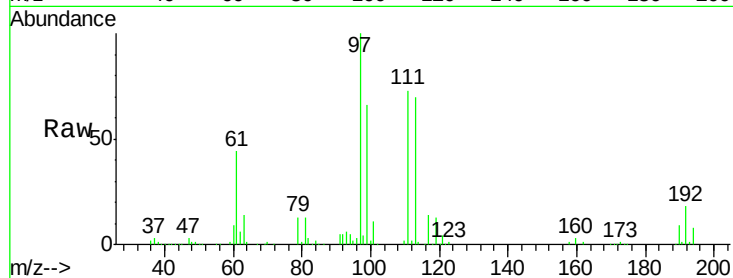
Tot Ion:113 Resp: 148889

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

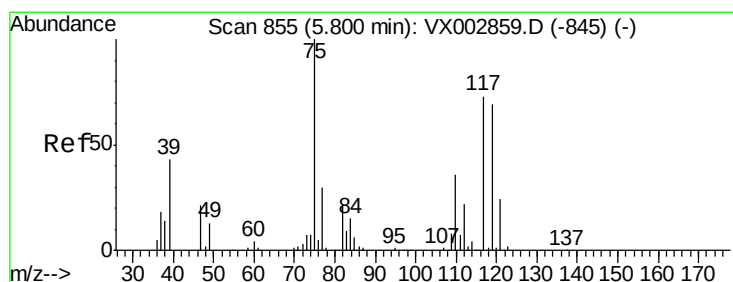
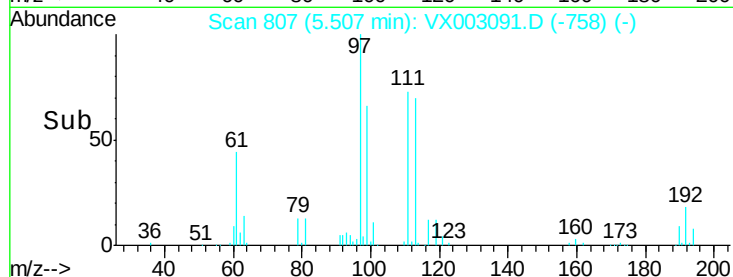
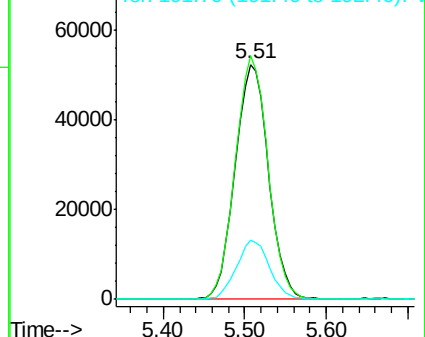
192 24.8 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.19 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

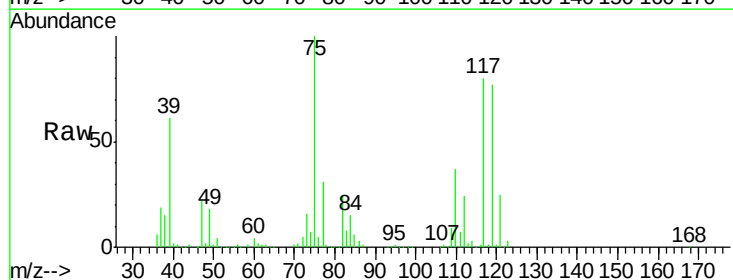
Tgt Ion: 75 Resp: 199105

Ion Ratio Lower Upper

75 100

110 37.3 18.1 54.4

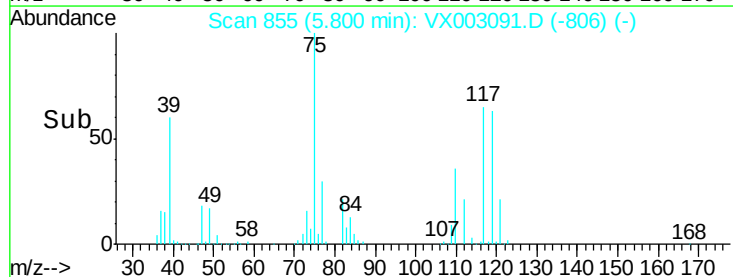
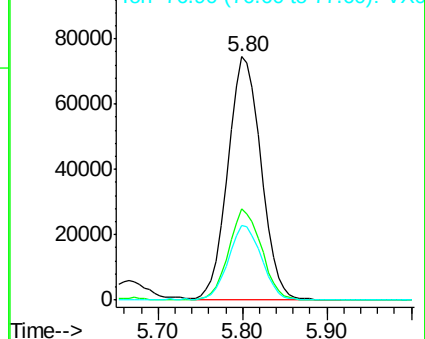
77 30.4 24.3 36.5

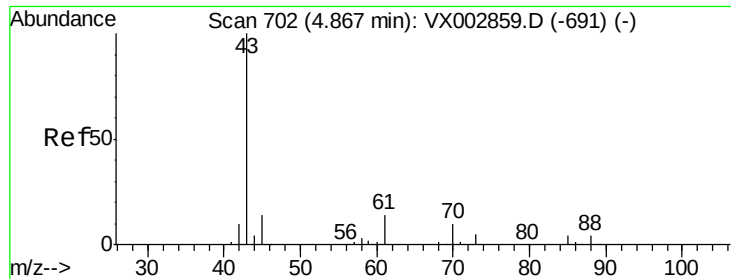


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

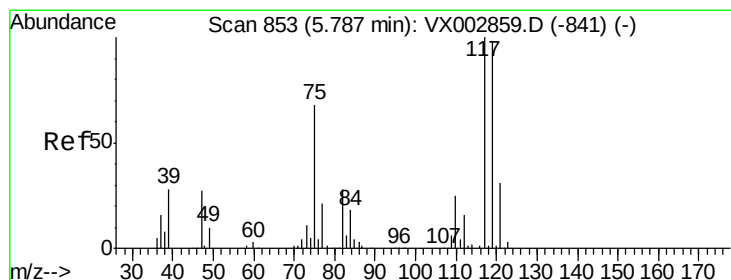
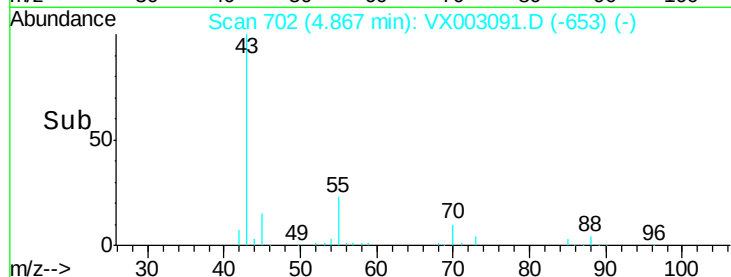
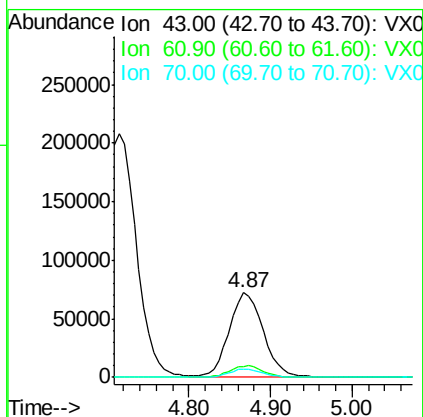
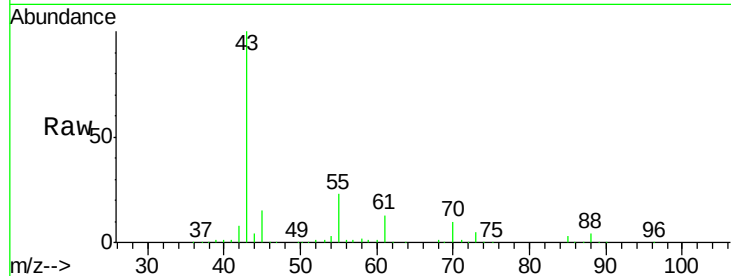




#37
Ethyl Acetate
Concen: 47.80 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

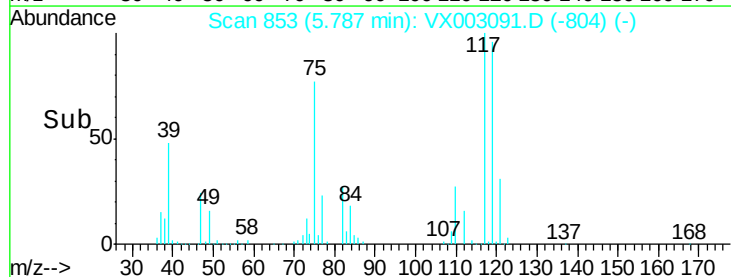
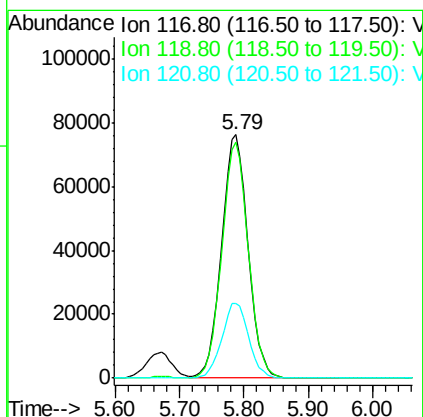
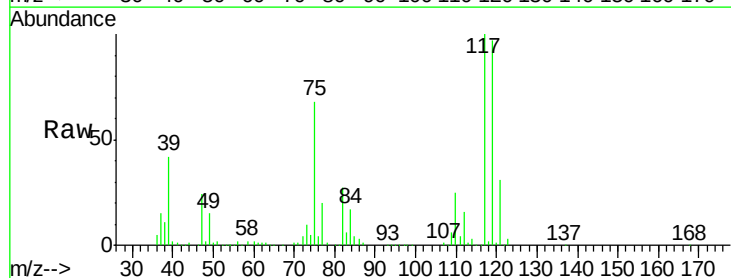
Instrument :
MSVOA_X
ClientSampled :
S73-0217MSD

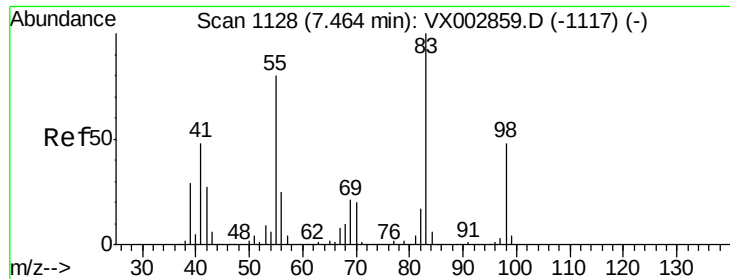
Tot Ion: 43 Resp: 208293
Ion Ratio Lower Upper
43 100
61 13.4 10.4 15.6
70 9.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.71 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

Tgt Ion: 117 Resp: 220815
Ion Ratio Lower Upper
117 100
119 96.7 77.4 116.0
121 30.9 24.4 36.6

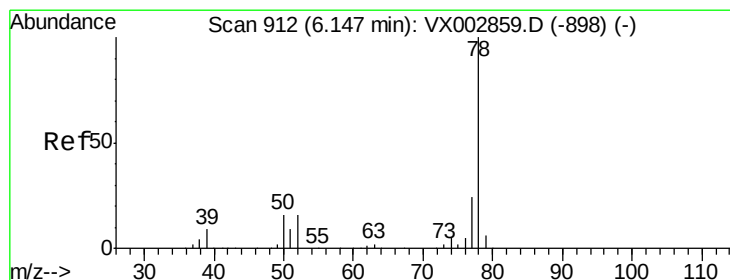
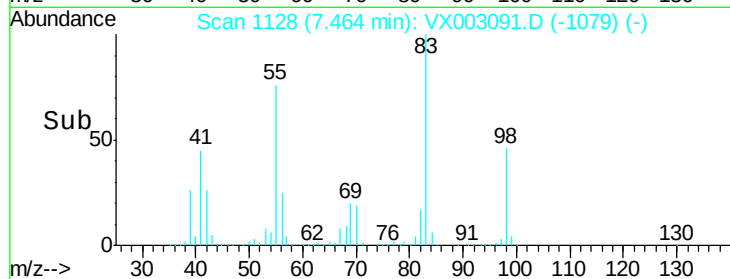
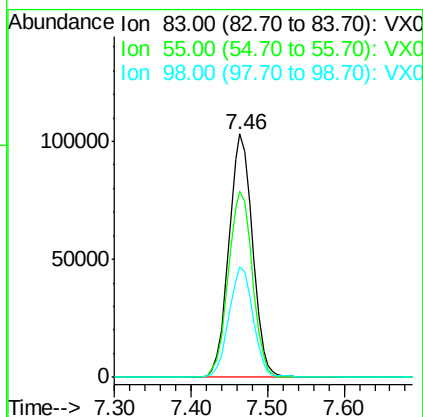
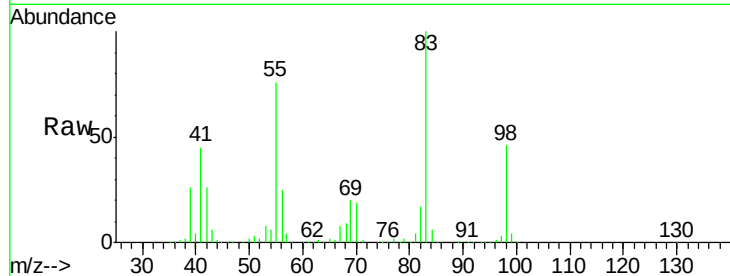




#39
Methylvlcyclohexane
Concen: 46.79 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

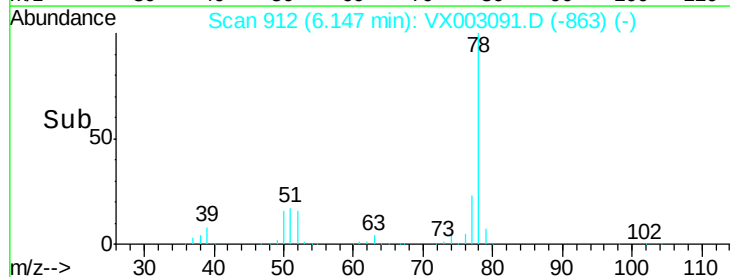
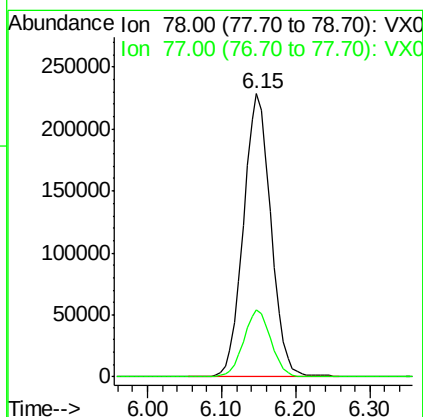
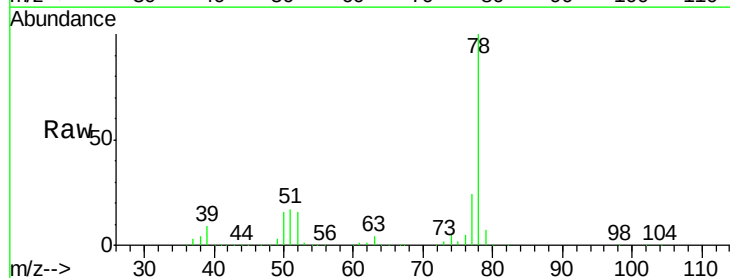
Instrument :
MSVOA_X
ClientSampled :
S73-0217MSD

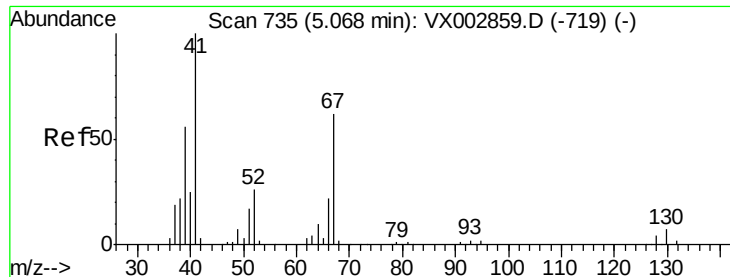
Tot Ion: 83 Resp: 220584
Ion Ratio Lower Upper
83 100
55 76.4 65.4 98.0
98 45.6 37.4 56.0



#40
Benzene
Concen: 50.29 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

Tgt Ion: 78 Resp: 591465
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7

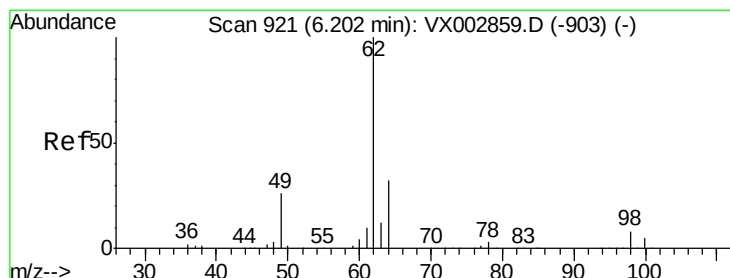
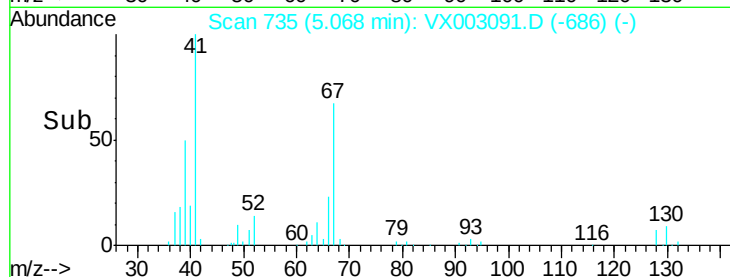
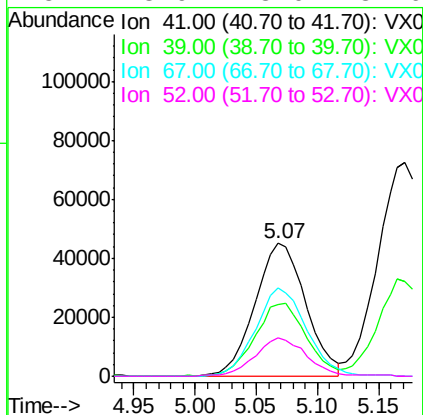
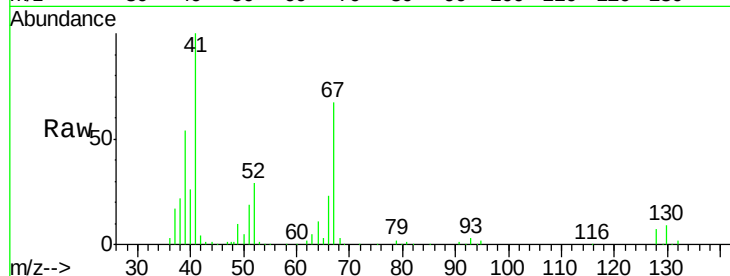




#41
Methacrylonitrile
Concen: 51.81 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

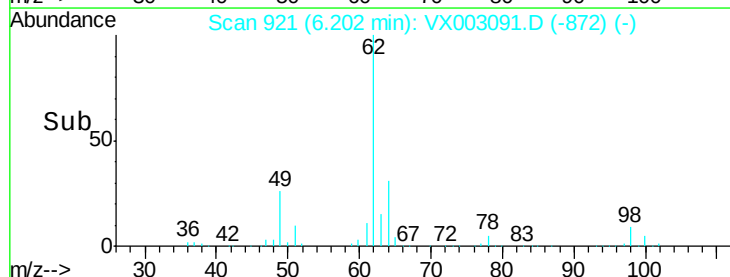
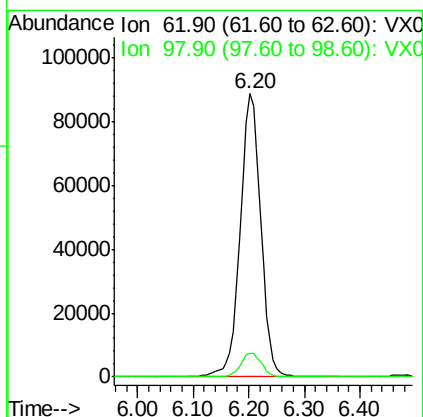
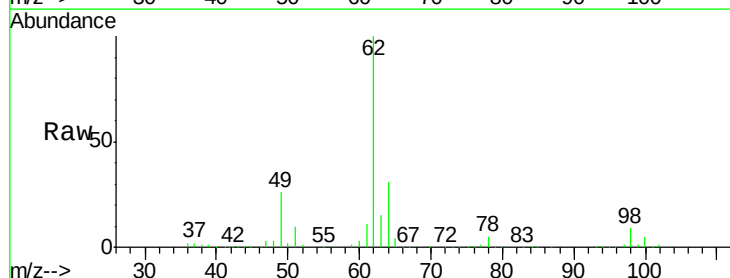
Instrument :
MSVOA_X
ClientSampled :
S73-0217MSD

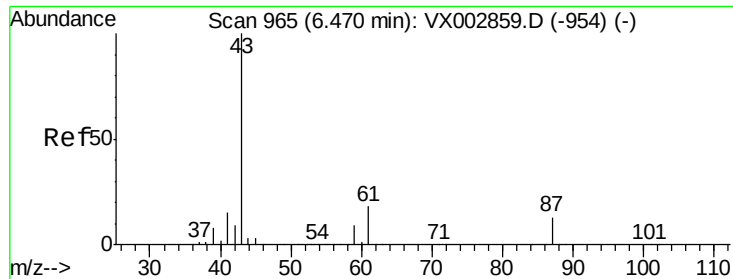
Tot Ion:	41	Resp:	130016
Ion	Ratio	Lower	Upper
41	100		
39	55.2	45.8	68.6
67	67.1	51.3	76.9
52	28.9	23.0	34.6



#42
1,2-Dichloroethane
Concen: 48.10 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

Tgt Ion:	62	Resp:	228497
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6



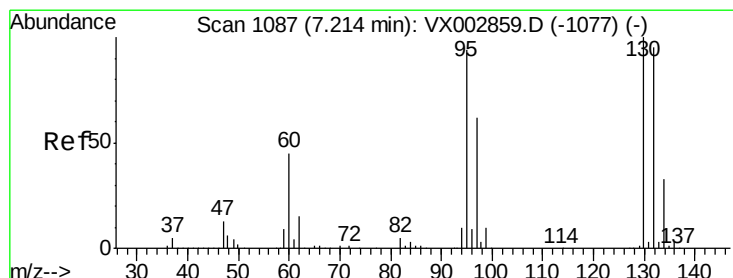
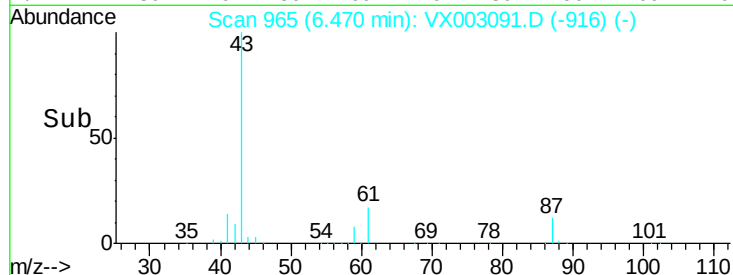
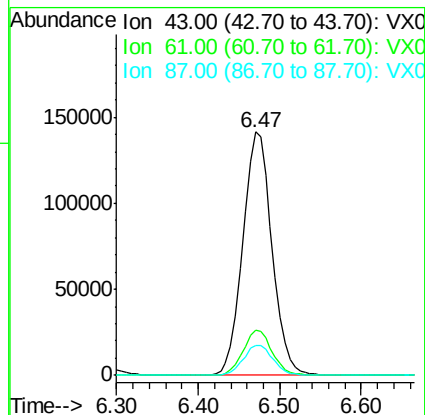
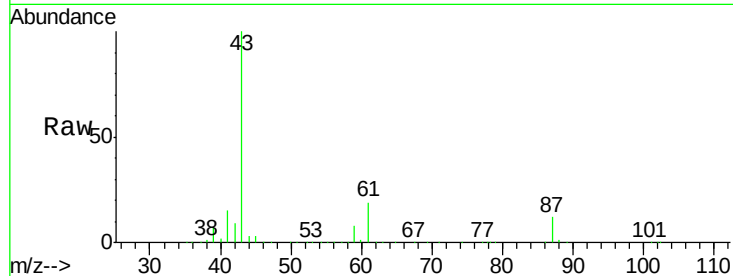


#43

Isopropyl Acetate
 Concen: 47.69 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MSD

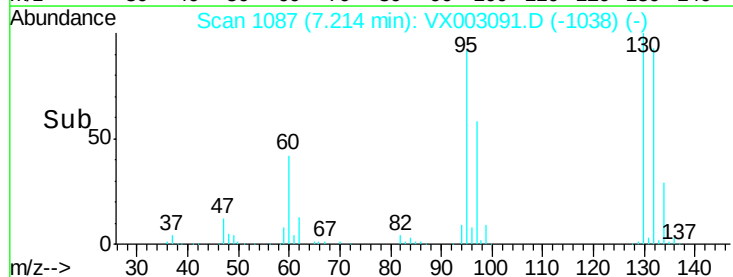
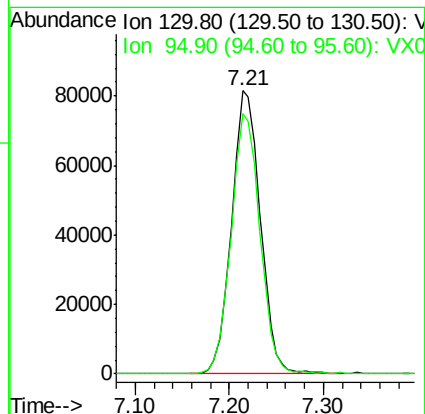
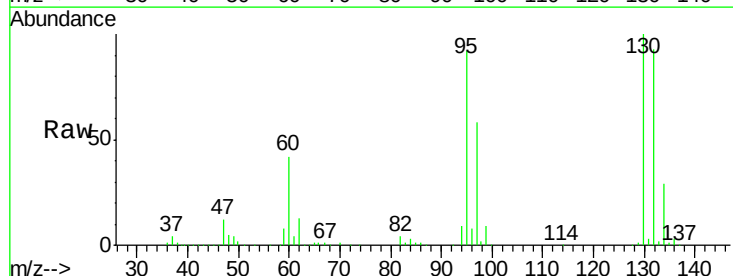
Tot Ion: 43 Resp: 348580
 Ion Ratio Lower Upper
 43 100
 61 18.7 14.4 21.6
 87 12.7 9.5 14.3

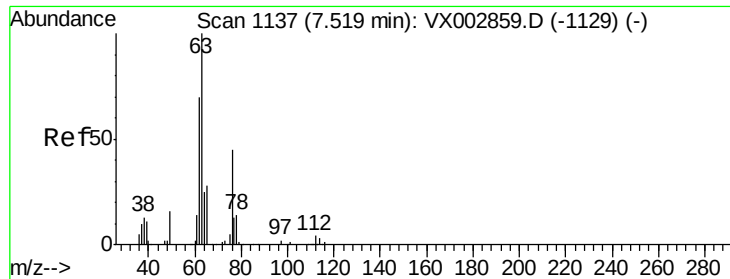


#44

Trichloroethene
 Concen: 49.39 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

Tgt Ion:130 Resp: 173157
 Ion Ratio Lower Upper
 130 100
 95 91.9 0.0 185.4





#45

1,2-Dichloropropane

Concen: 49.80 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

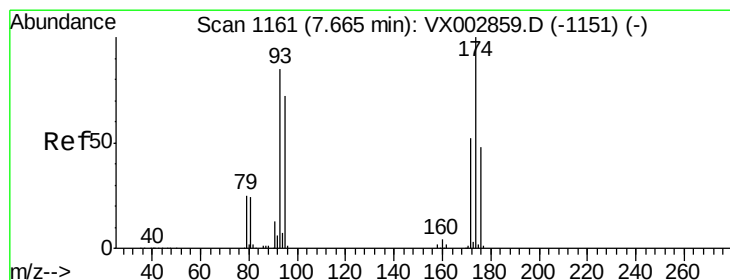
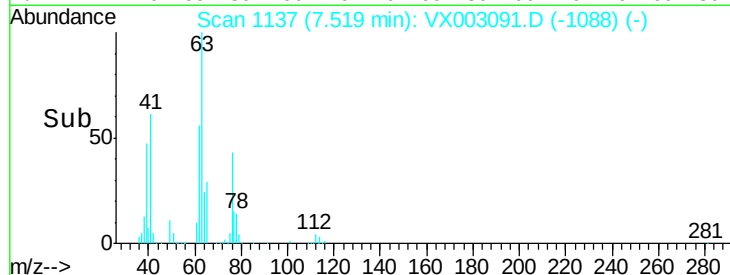
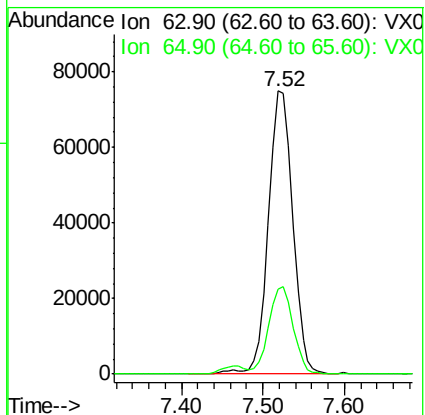
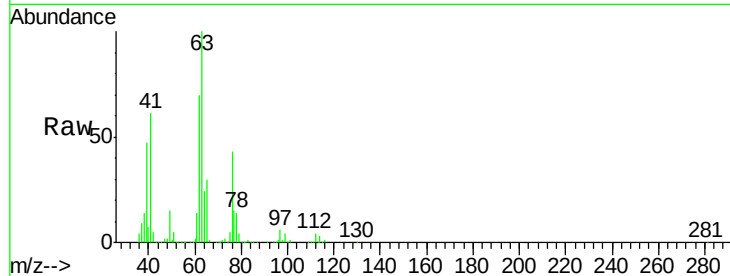
S73-0217MSD

Tot Ion: 63 Resp: 155364

Ion Ratio Lower Upper

63 100

65 30.2 24.7 37.1



#46

Dibromomethane

Concen: 49.77 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

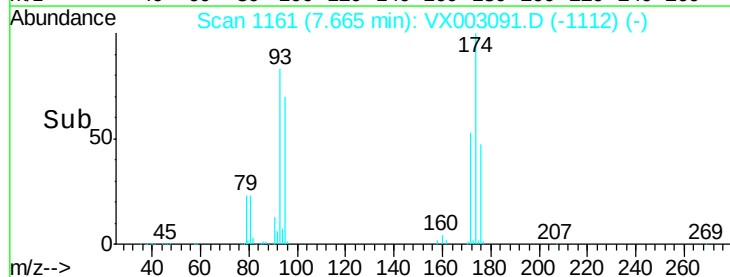
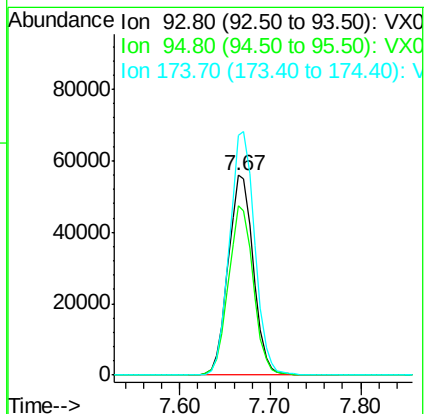
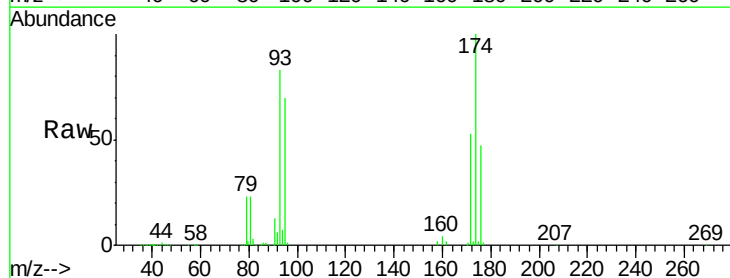
Tgt Ion: 93 Resp: 107742

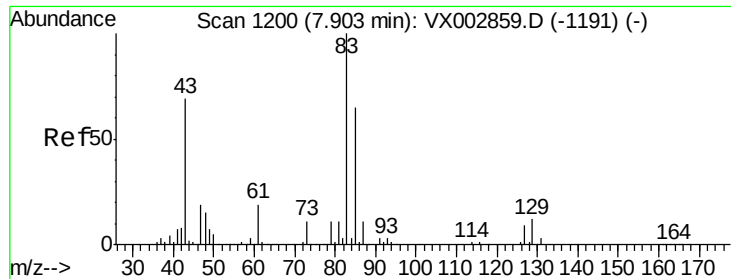
Ion Ratio Lower Upper

93 100

95 83.5 65.9 98.9

174 122.0 92.4 138.6





#47

Bromodichloromethane

Concen: 51.51 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MSD

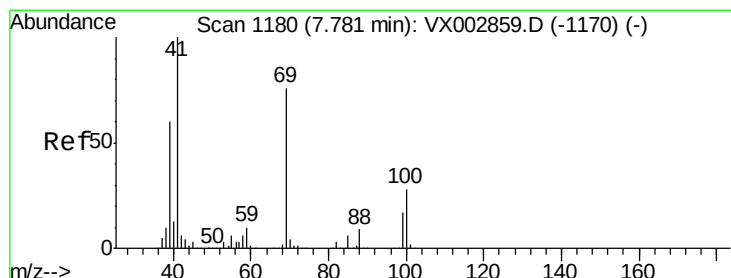
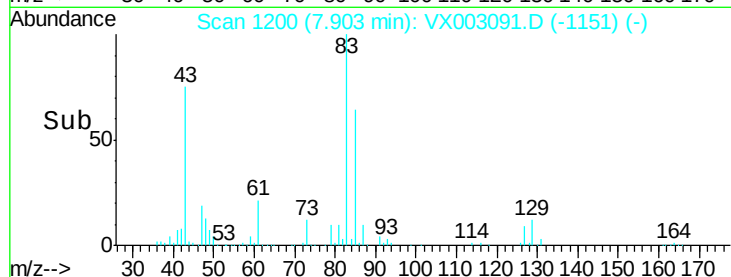
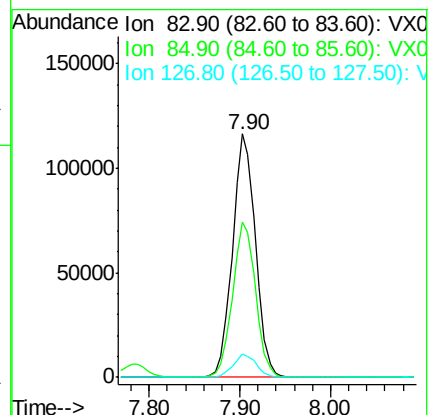
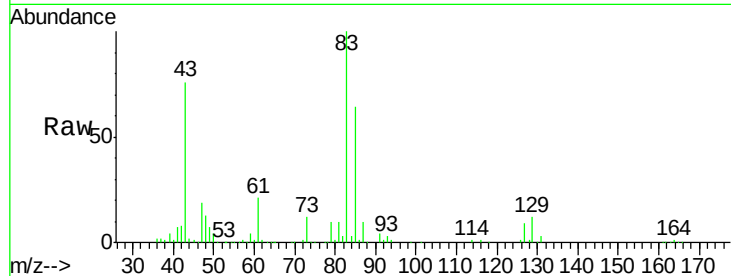
Tot Ion: 83 Resp: 206162

Ion Ratio Lower Upper

83 100

85 63.6 50.3 75.5

127 9.5 7.0 10.4



#48

Methyl methacrylate

Concen: 50.55 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

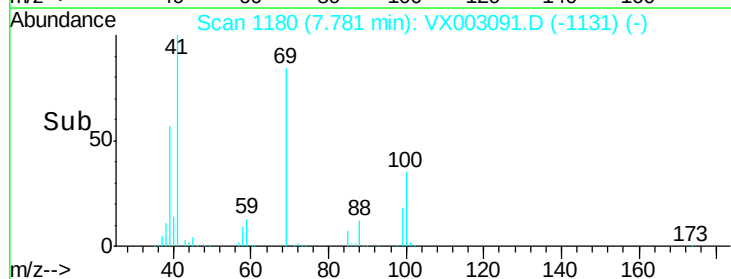
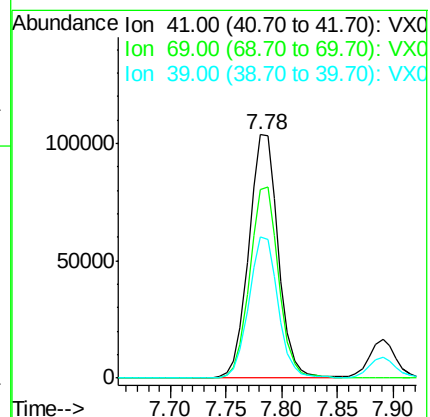
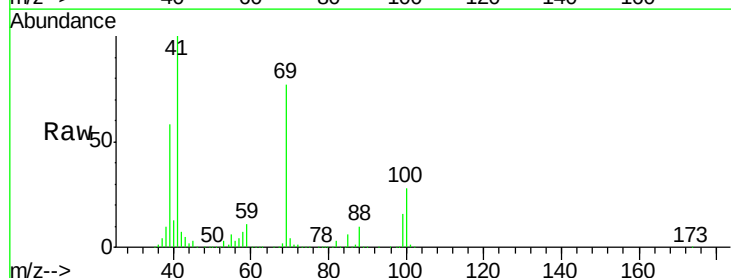
Tgt Ion: 41 Resp: 190380

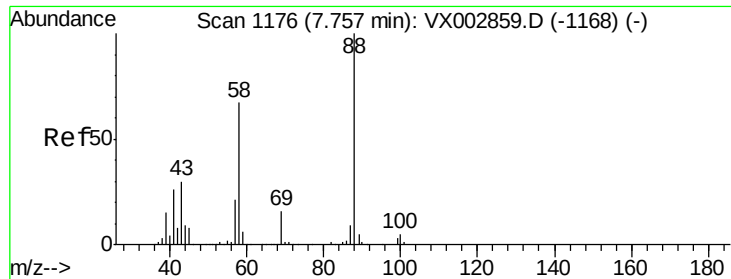
Ion Ratio Lower Upper

41 100

69 77.7 59.1 88.7

39 57.3 48.9 73.3

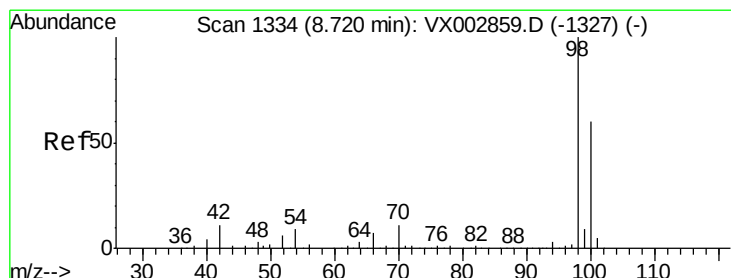
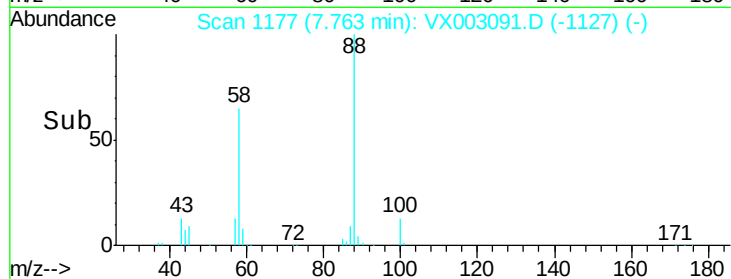
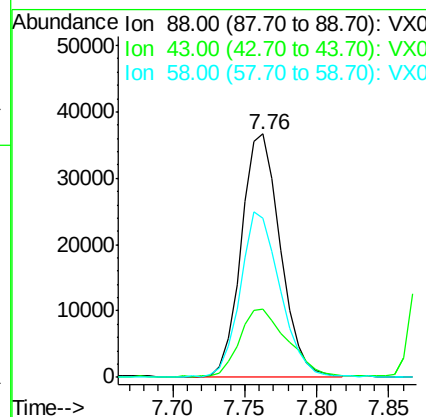
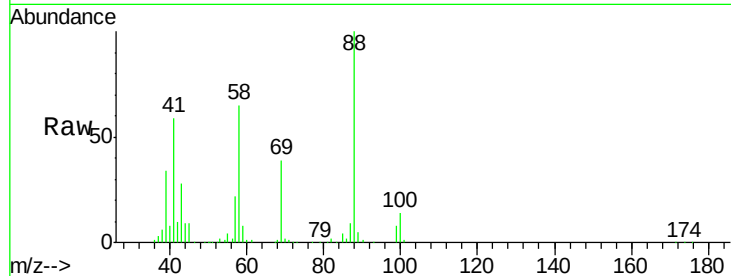




#49
1,4-Dioxane
Concen: 941.81 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

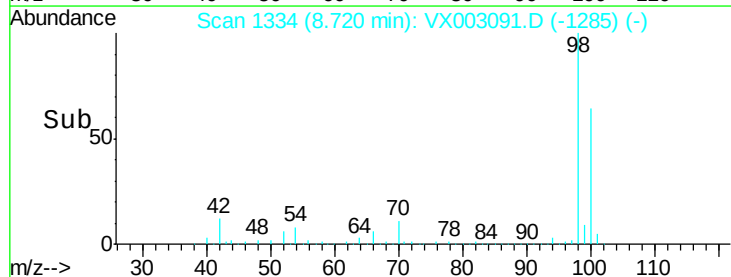
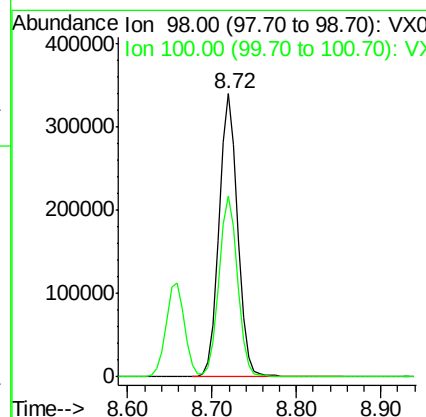
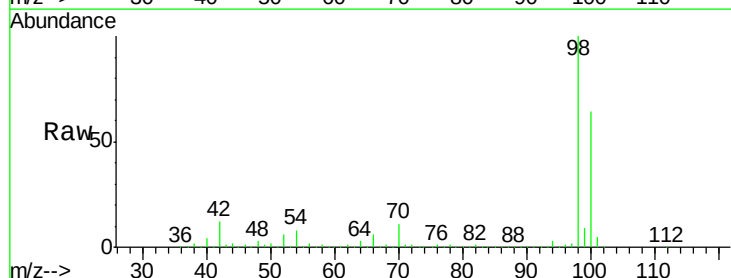
Instrument :
MSVOA_X
ClientSampleId :
S73-0217MSD

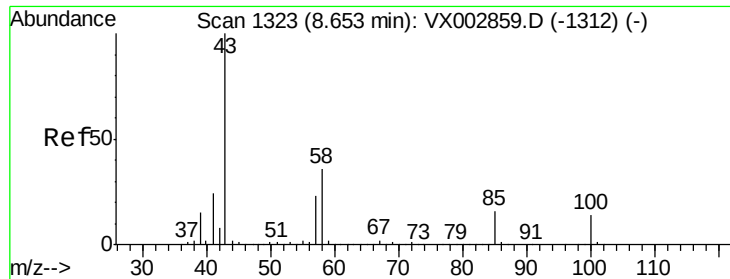
Tot Ion	88	Resp	69006
Ion	Ratio	Lower	Upper
88	100		
43	33.8	29.8	44.6
58	69.3	57.1	85.7



#50
Toluene-d8
Concen: 48.70 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

Tgt Ion	98	Resp	519823
Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.9	76.3

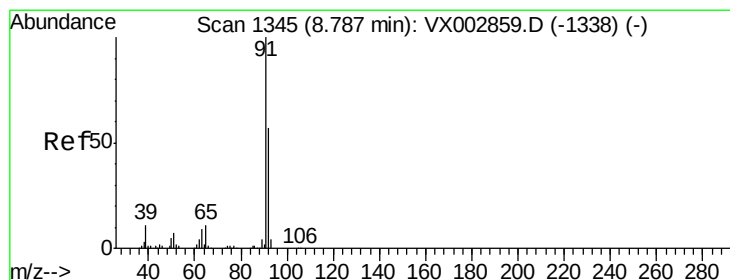
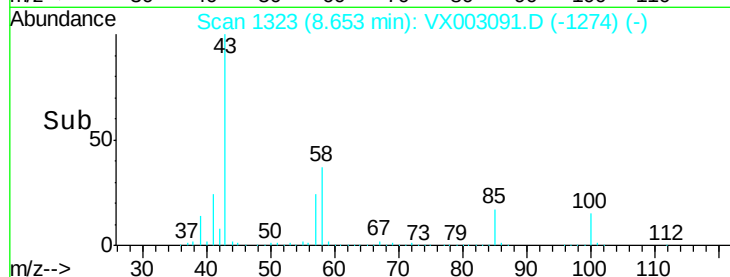
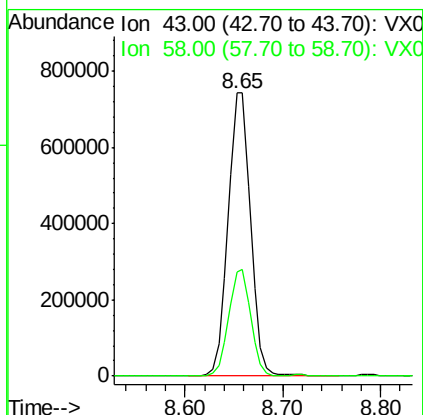
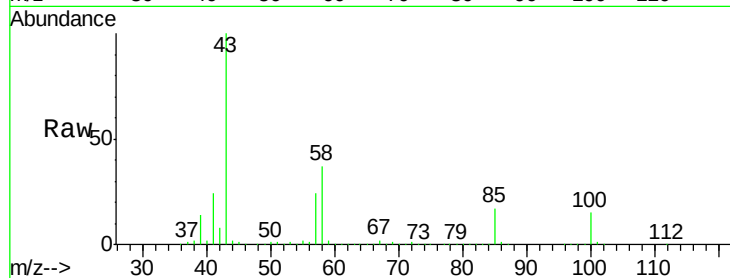




#51
 4-Methyl-2-Pentanone
 Concen: 258.83 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

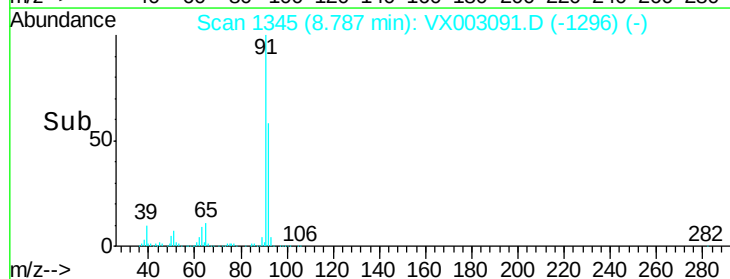
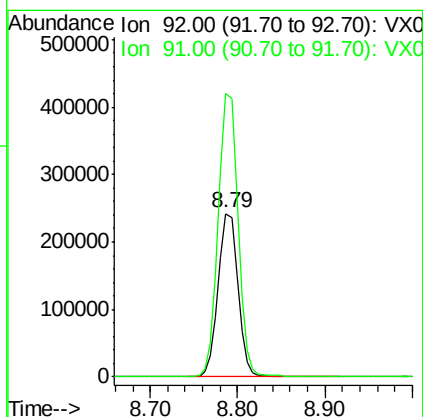
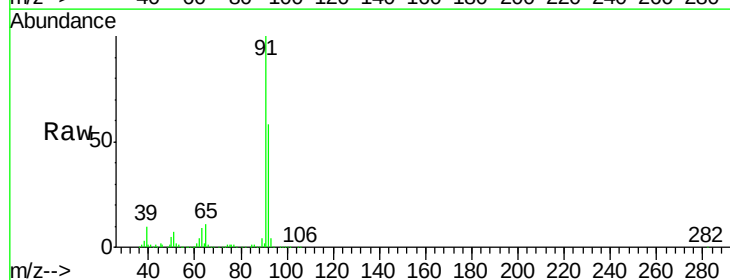
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MSD

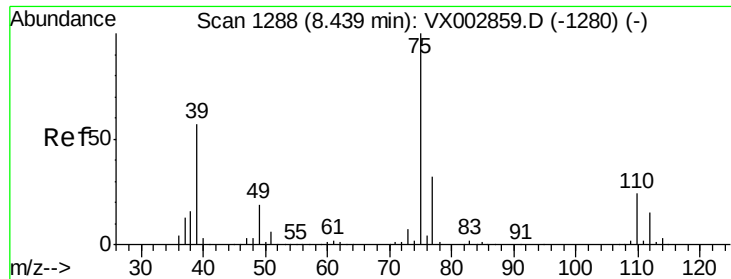
Tot Ion: 43 Resp: 1183592
 Ion Ratio Lower Upper
 43 100
 58 37.1 28.6 42.8



#52
 Toluene
 Concen: 50.68 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

Tgt Ion: 92 Resp: 381830
 Ion Ratio Lower Upper
 92 100
 91 173.3 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 49.86 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

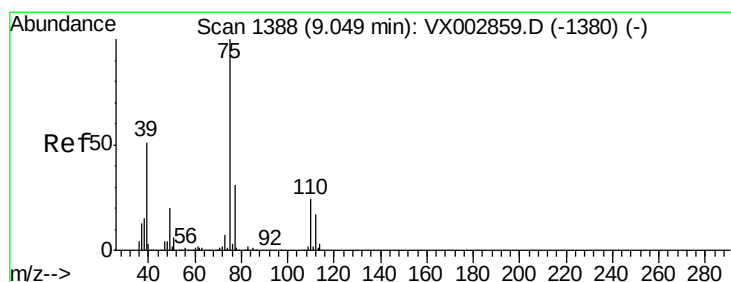
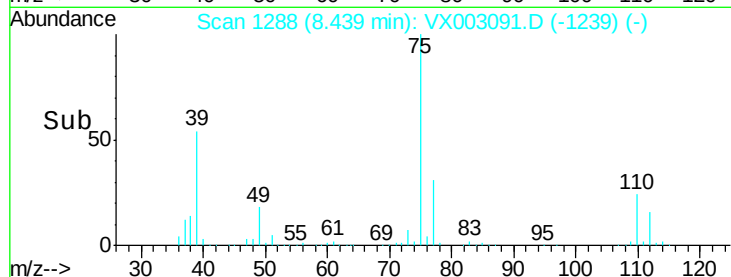
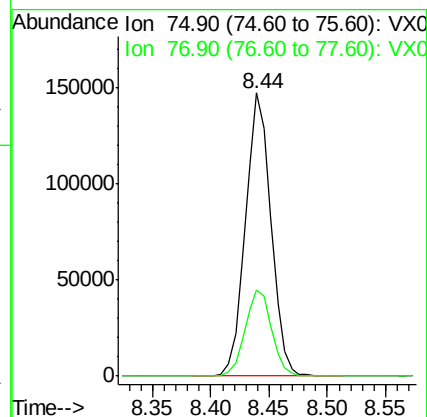
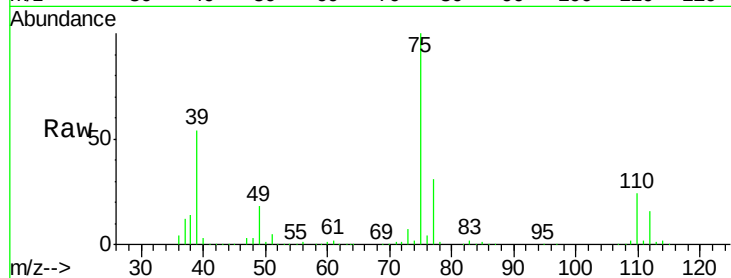
S73-0217MSD

Tot Ion: 75 Resp: 225987

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 49.00 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

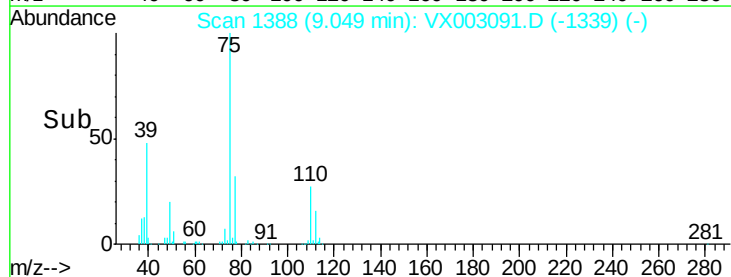
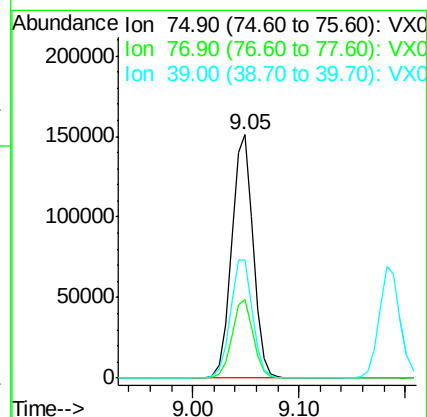
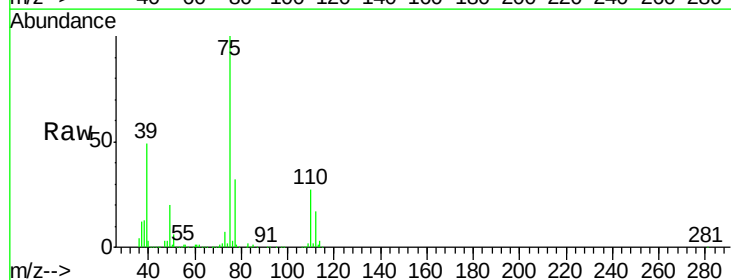
Tgt Ion: 75 Resp: 213717

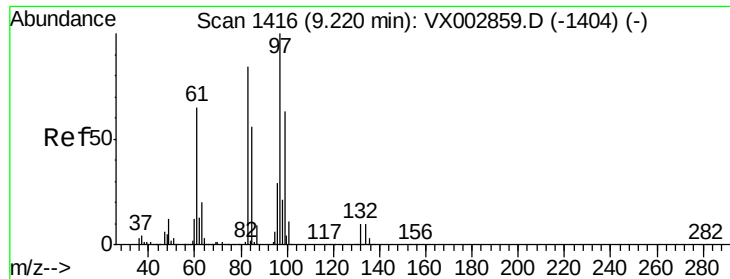
Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

39 48.5 42.4 63.6

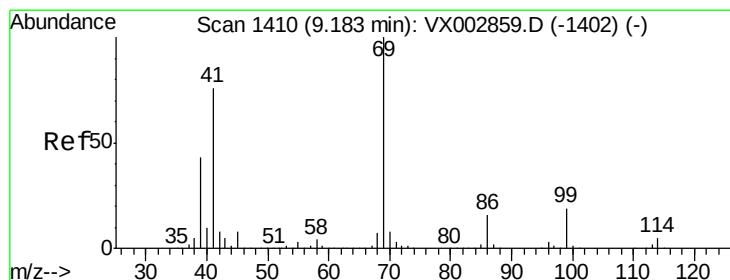
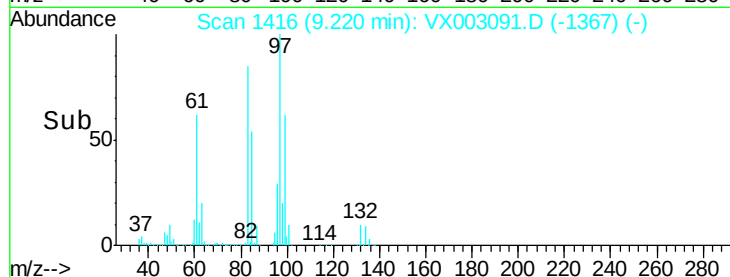
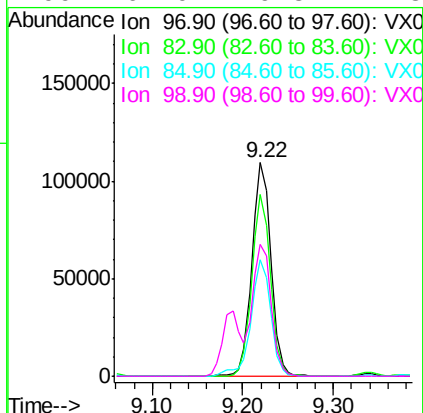
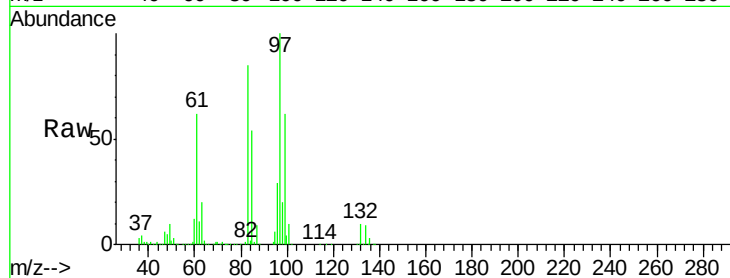




#55
 1,1,2-Trichloroethane
 Concen: 51.58 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

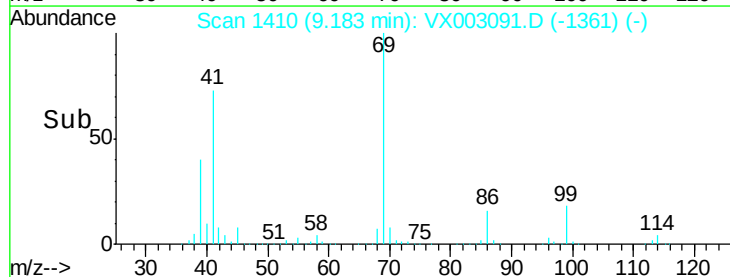
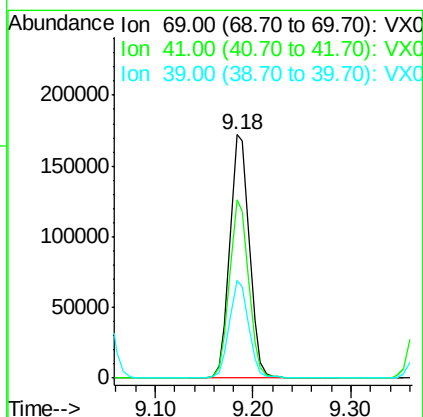
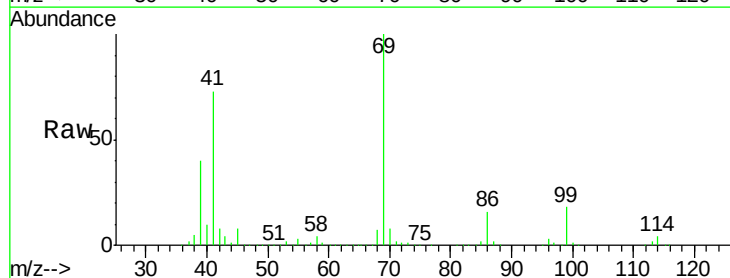
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MSD

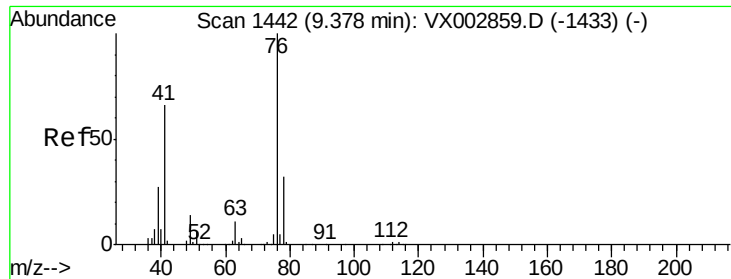
Tot Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.2	105.2
85	54.5	44.9	67.3
99	62.0	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 53.14 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.7	60.3	90.5
39	39.3	35.8	53.8

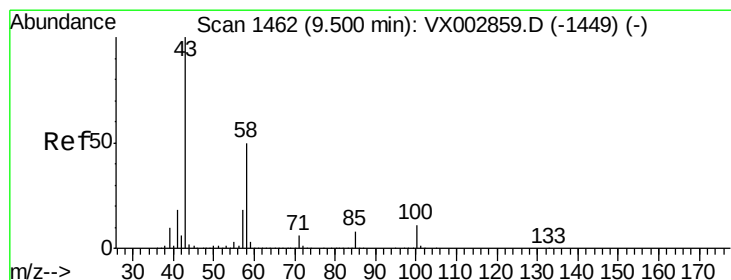
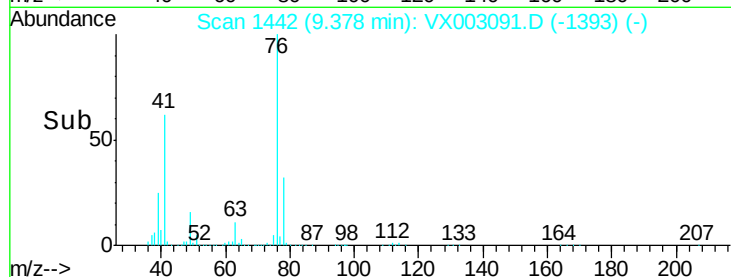
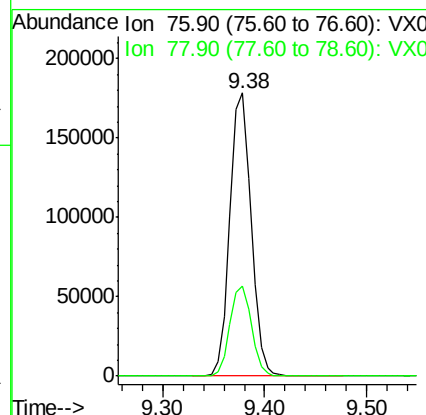
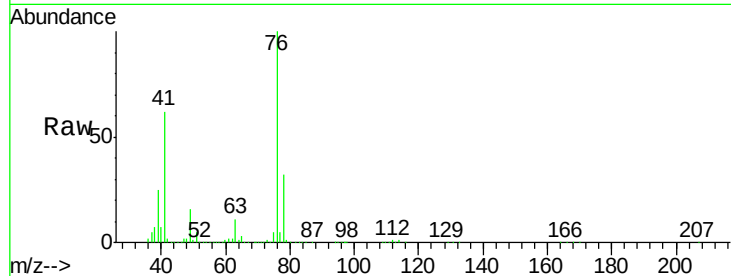




#57
 1,3-Dichloropropane
 Concen: 50.71 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

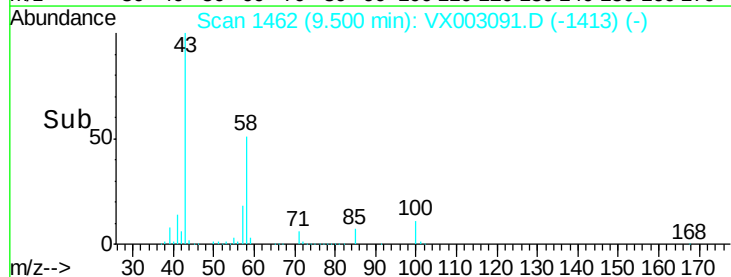
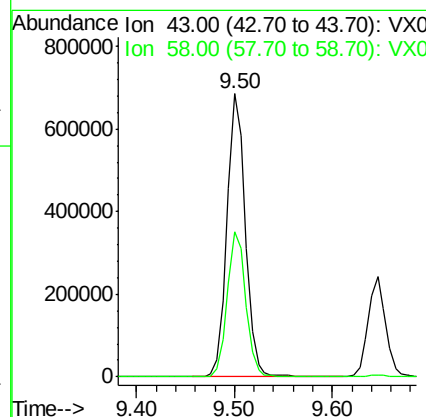
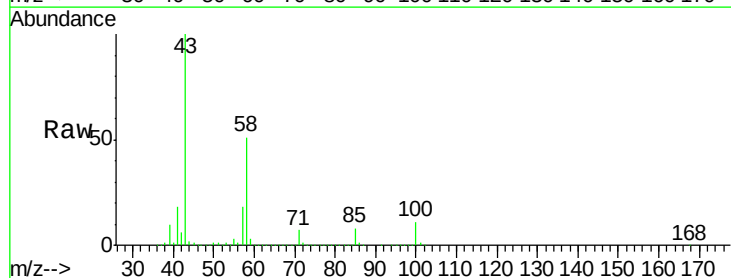
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MSD

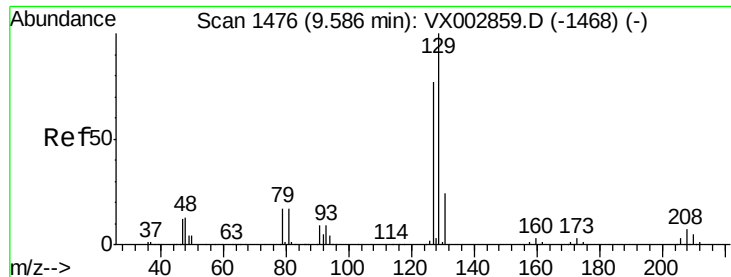
Tot Ion: 76 Resp: 257817
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#59
 2-Hexanone
 Concen: 257.43 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

Tgt Ion: 43 Resp: 894657
 Ion Ratio Lower Upper
 43 100
 58 51.7 24.6 73.6





#60

Dibromochloromethane

Concen: 52.63 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

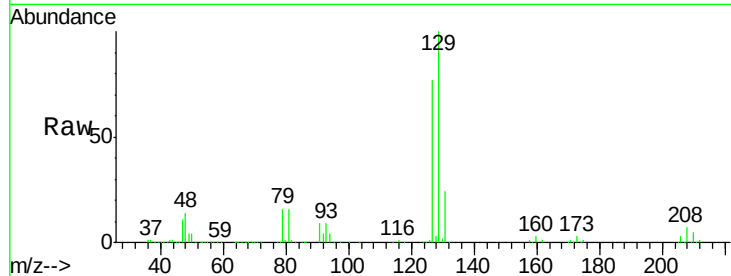
S73-0217MSD

Tot Ion:129 Resp: 171513

Ion Ratio Lower Upper

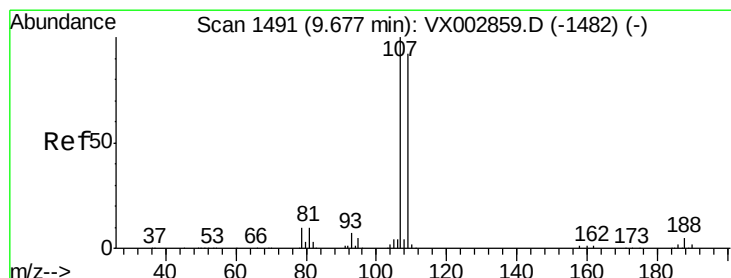
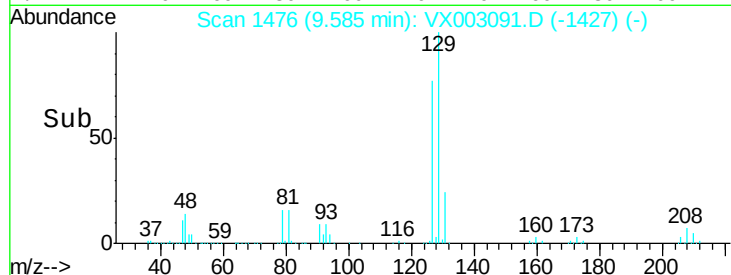
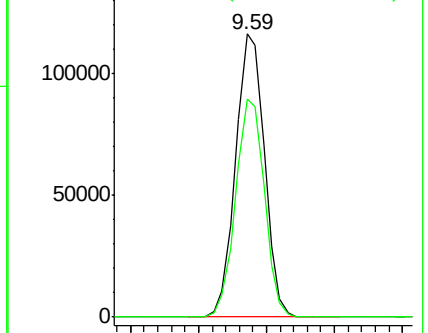
129 100

127 76.9 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 51.79 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003091.D

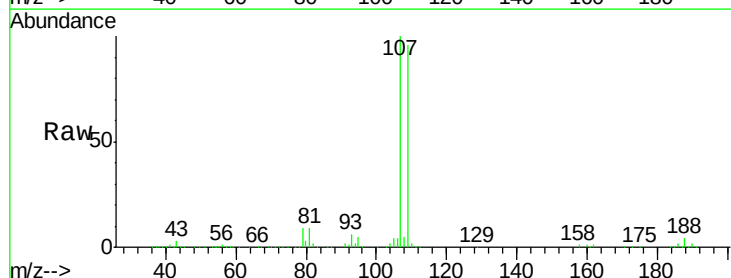
Acq: 30 Jun 2018 20:42

Tgt Ion:107 Resp: 168171

Ion Ratio Lower Upper

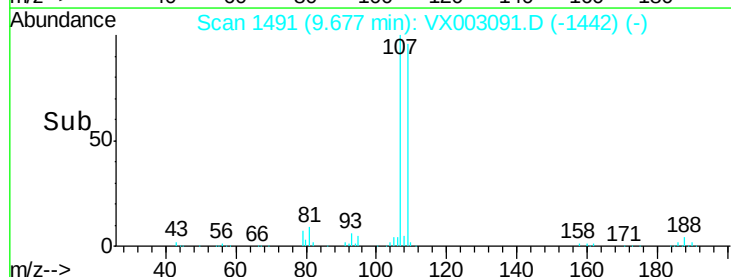
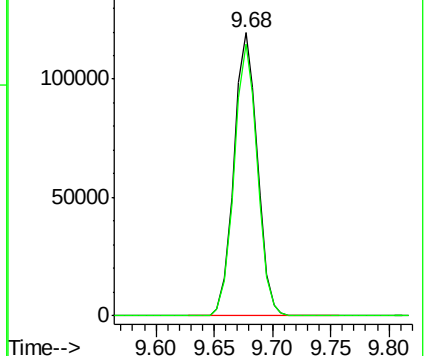
107 100

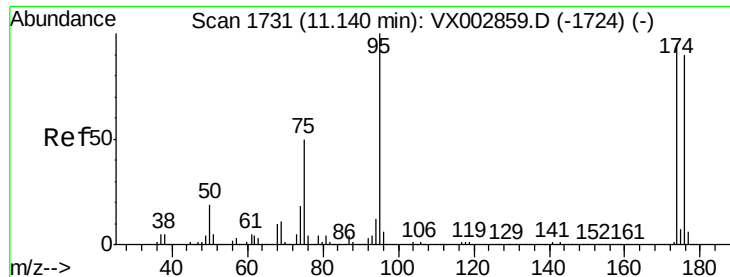
109 95.4 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

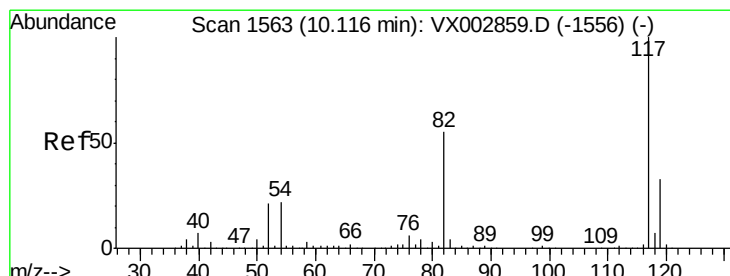
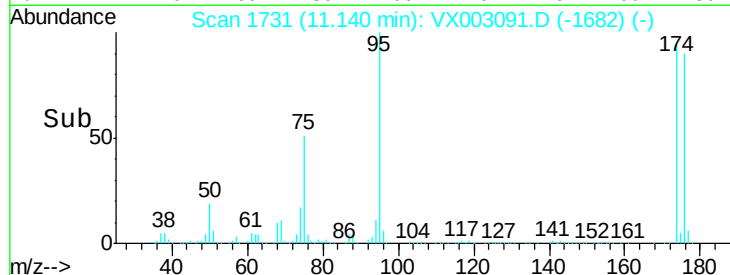
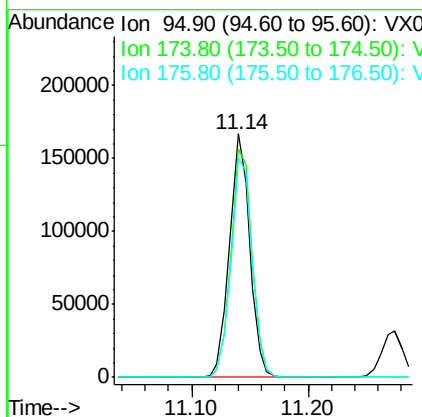
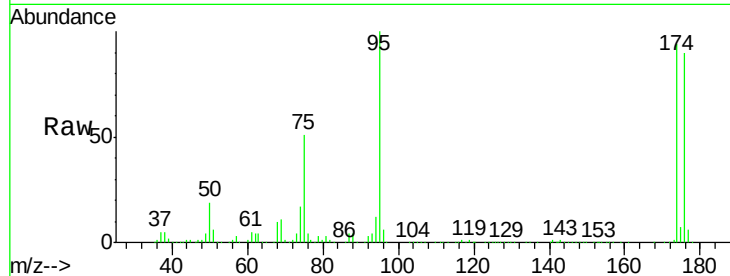




#62
4-Bromofluorobenzene
Concen: 49.36 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

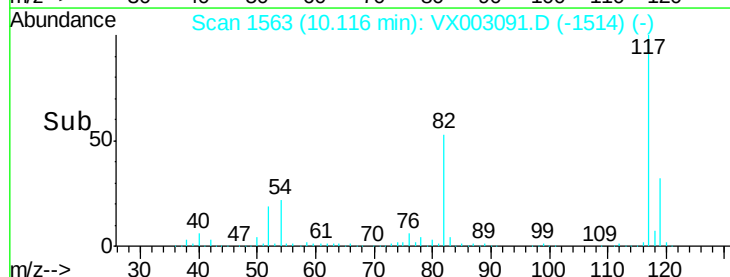
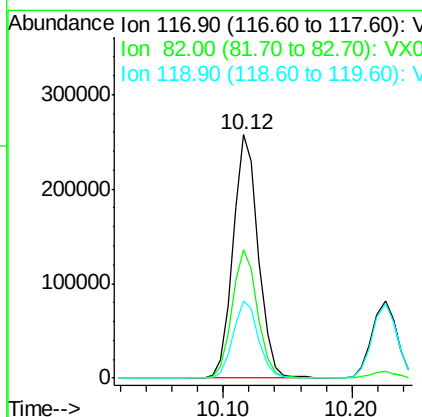
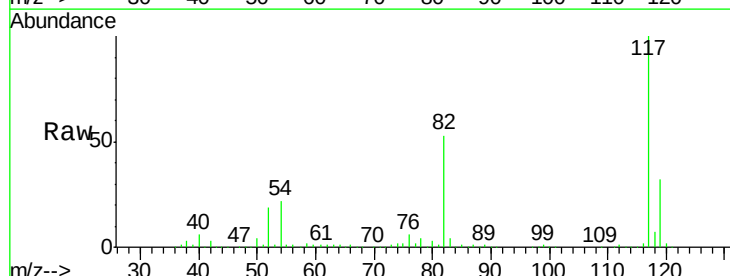
Instrument :
MSVOA_X
ClientSampleId :
S73-0217MSD

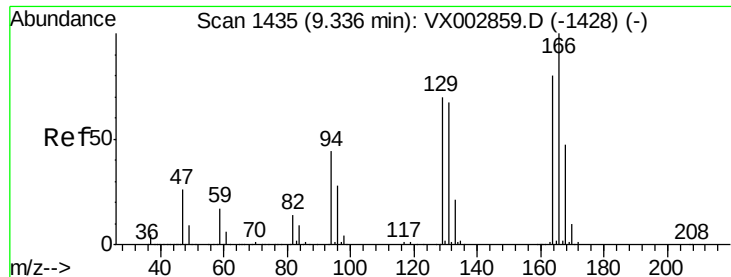
Tot Ion: 95 Resp: 203165
Ion Ratio Lower Upper
95 100
174 98.2 0.0 187.4
176 94.0 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

Tgt Ion: 117 Resp: 350873
Ion Ratio Lower Upper
117 100
82 52.6 45.0 67.4
119 32.0 25.8 38.6

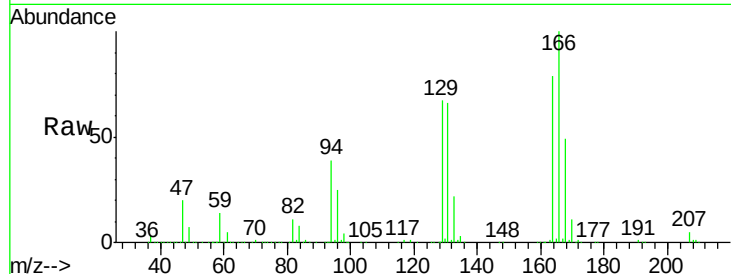




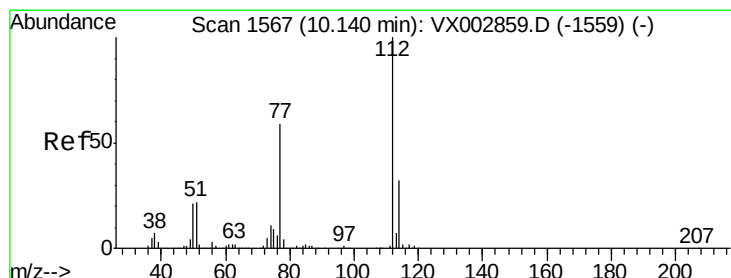
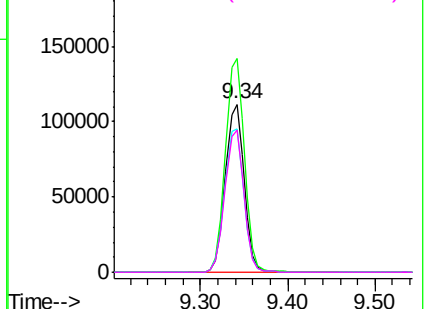
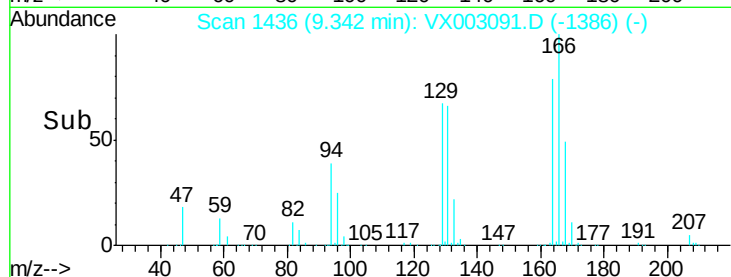
#64
Tetrachloroethene
Concen: 42.61 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
S73-0217MSD

Tot Ion:	164	Resp:	166261
Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.9	154.3
129	85.1	68.6	102.8
131	84.5	66.8	100.2

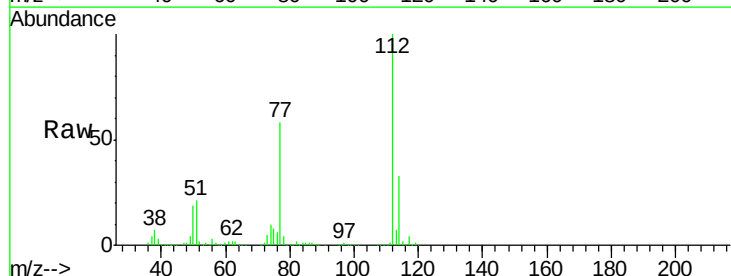


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

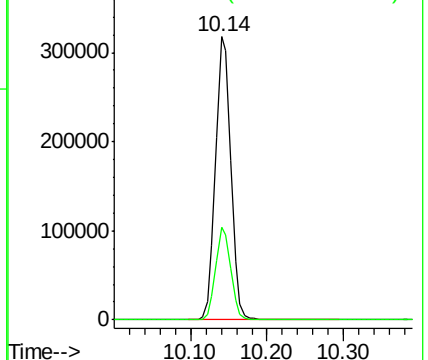
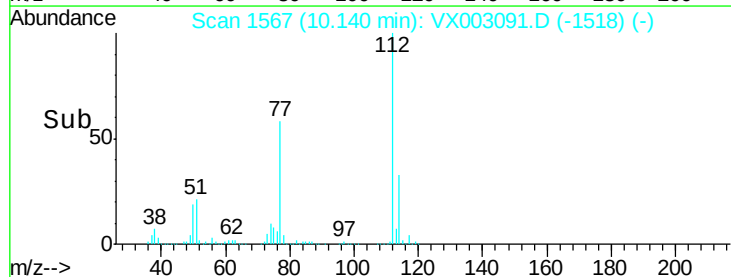


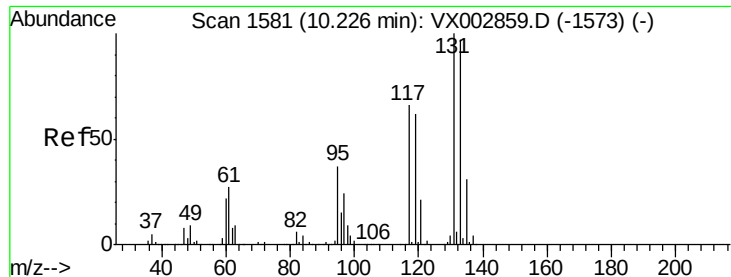
#65
Chlorobenzene
Concen: 49.64 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

Tgt Ion:	112	Resp:	442425
Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.3	37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

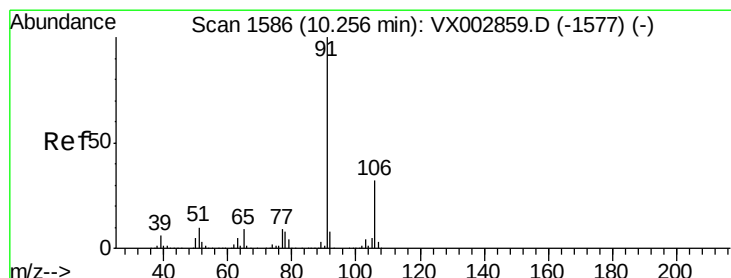
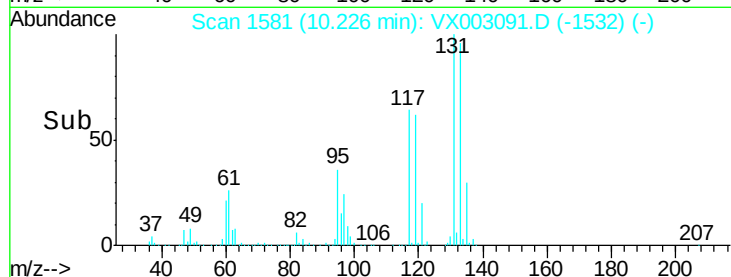
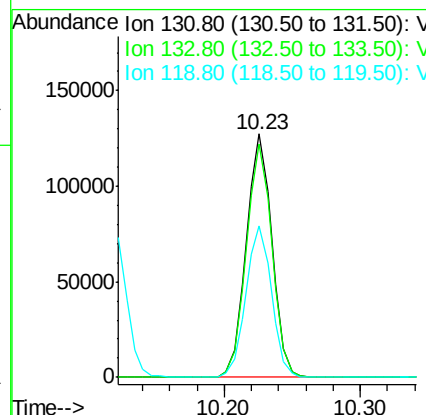
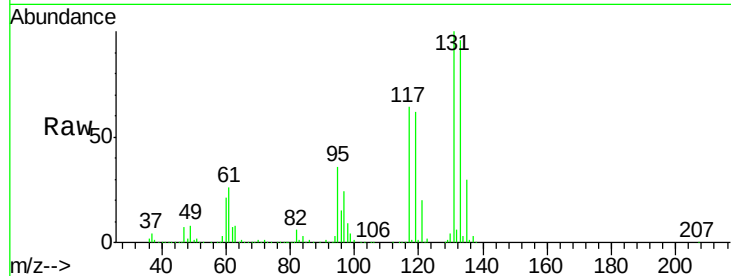




#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.68 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

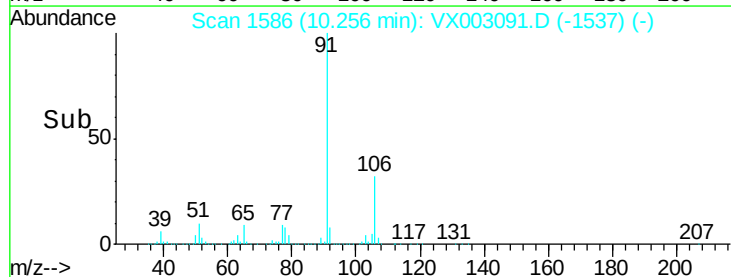
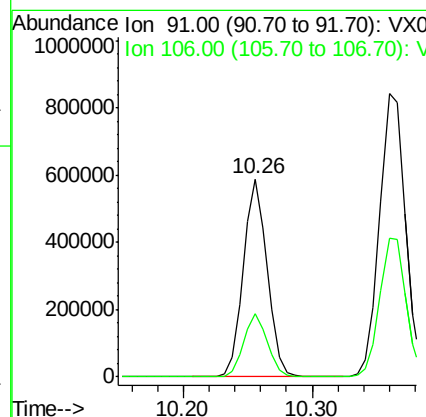
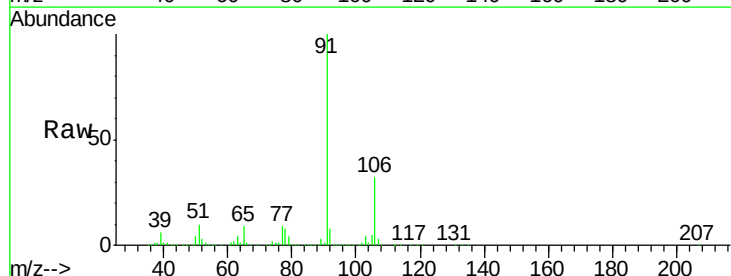
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MSD

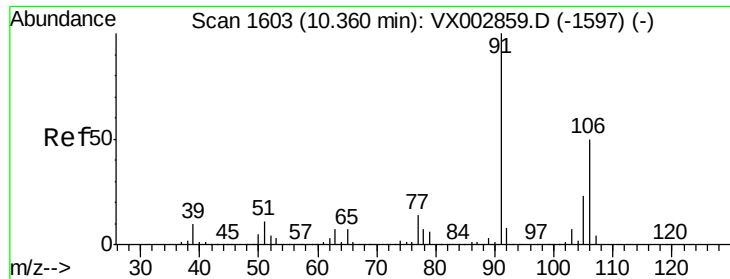
Tot Ion:131 Resp: 167314
 Ion Ratio Lower Upper
 131 100
 133 96.0 47.9 143.6
 119 62.6 31.8 95.3



#67
 Ethyl Benzene
 Concen: 51.22 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

Tgt Ion: 91 Resp: 754053
 Ion Ratio Lower Upper
 91 100
 106 32.0 25.5 38.3

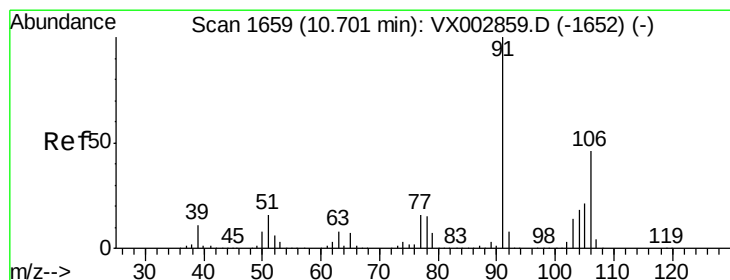
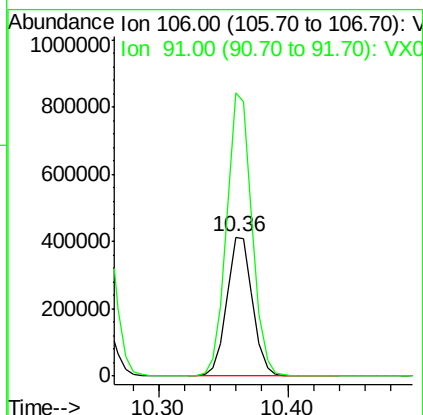
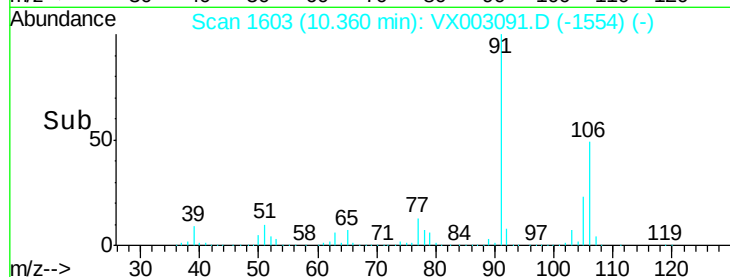
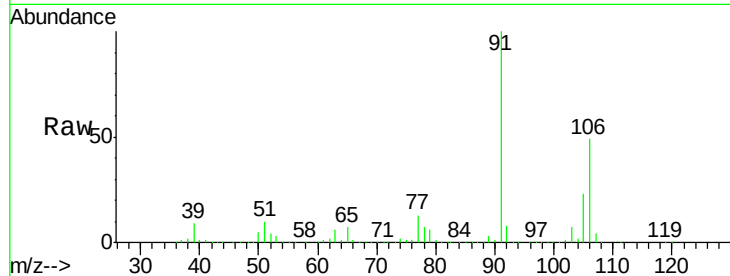




#68
m/p-Xylenes
Concen: 101.81 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

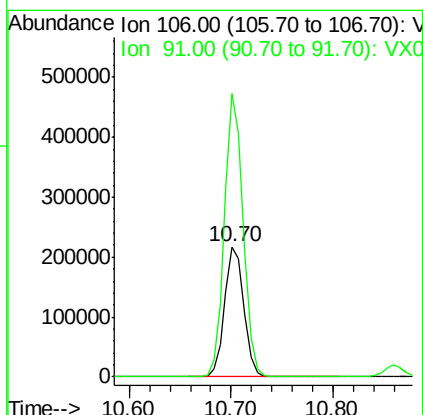
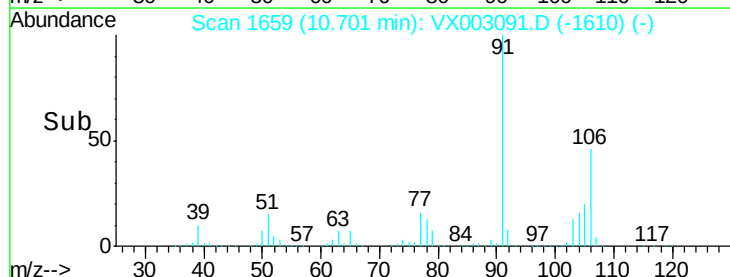
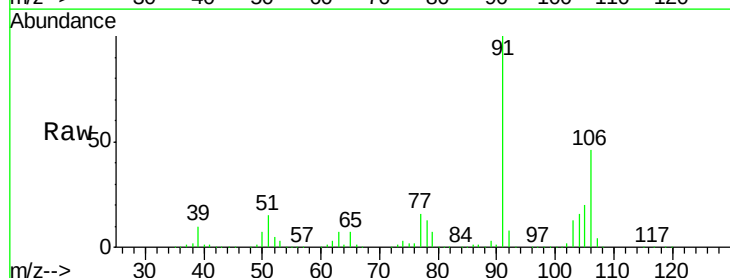
Instrument :
MSVOA_X
ClientSampleId :
S73-0217MSD

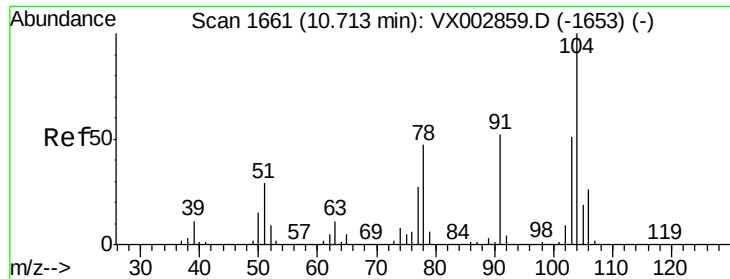
Tot Ion:106 Resp: 577670
Ion Ratio Lower Upper
106 100
91 202.0 163.4 245.2



#69
o-Xylene
Concen: 51.13 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

Tgt Ion:106 Resp: 282494
Ion Ratio Lower Upper
106 100
91 212.5 108.2 324.6





#70

Stvrene

Concen: 52.41 ug/l

RT: 10.71 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MSD

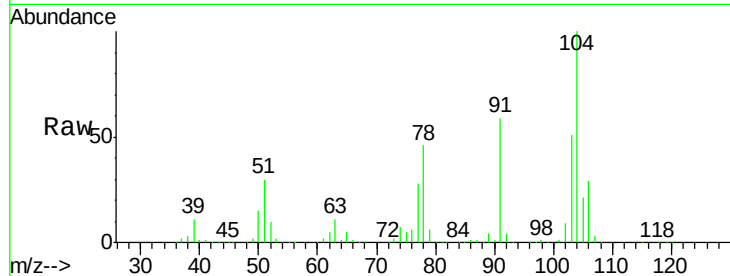
Tot Ion:104 Resp: 470459

Ion Ratio Lower Upper

104 100

78 49.5 41.0 61.6

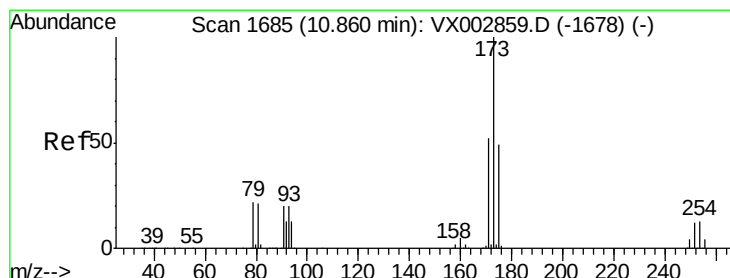
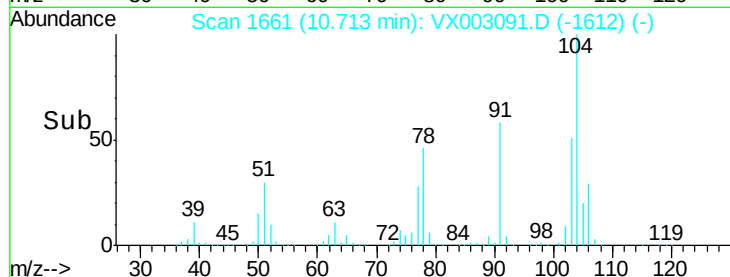
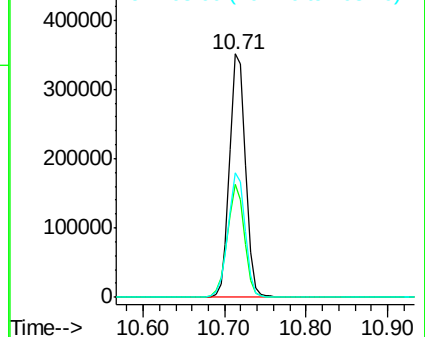
103 55.0 44.2 66.4



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: 46.78 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

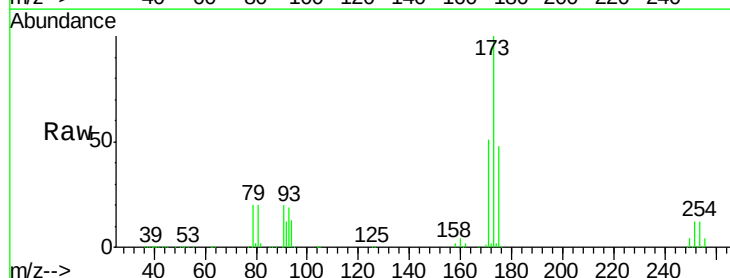
Tgt Ion:173 Resp: 136046

Ion Ratio Lower Upper

173 100

175 48.5 24.7 74.1

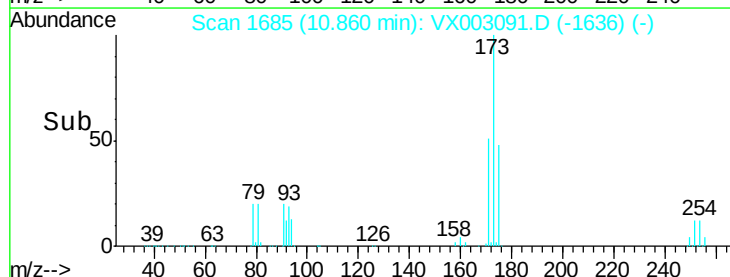
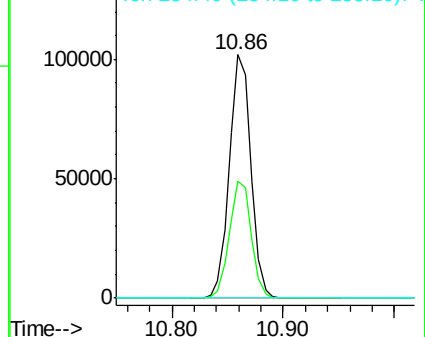
254 0.2 0.2 0.2

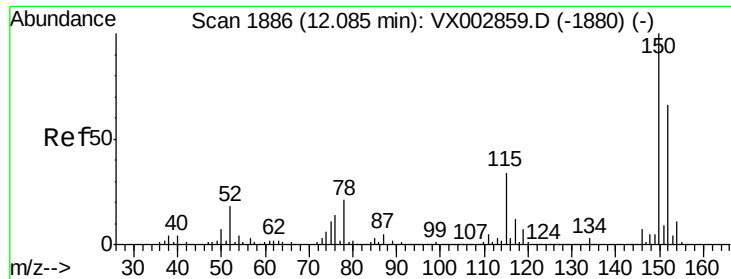


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MSD

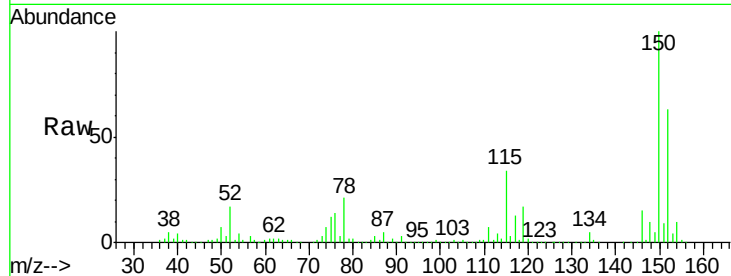
Tot Ion:152 Resp: 218324

Ion Ratio Lower Upper

152 100

115 77.7 40.1 120.2

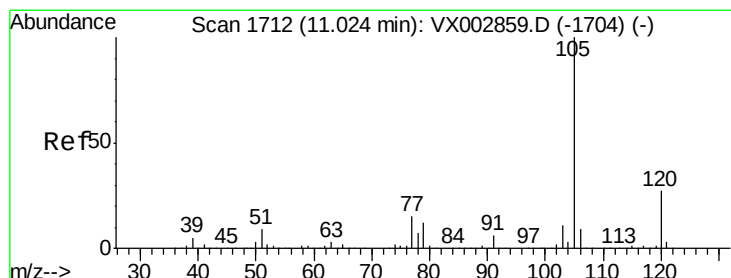
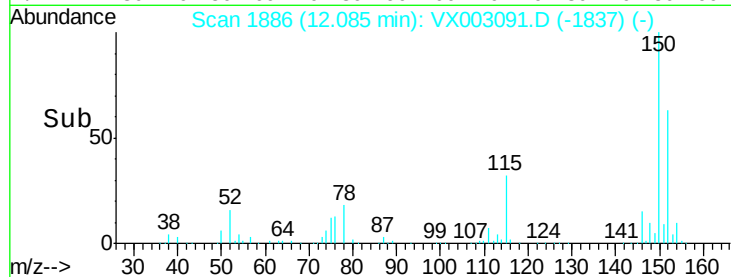
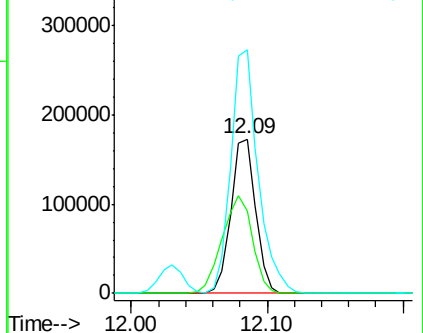
150 174.5 0.0 347.2



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: 52.15 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003091.D

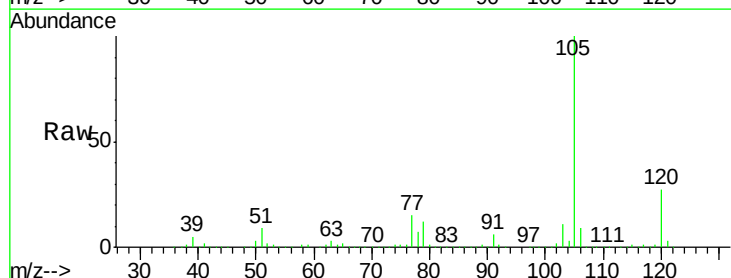
Acq: 30 Jun 2018 20:42

Tgt Ion:105 Resp: 765981

Ion Ratio Lower Upper

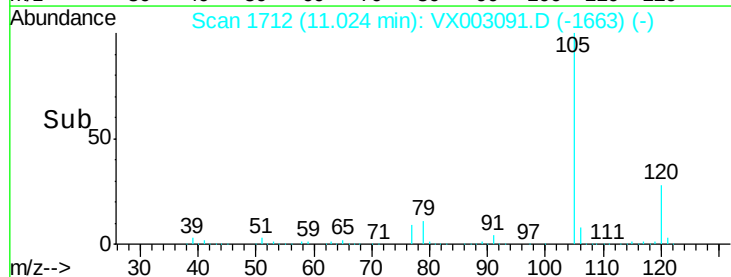
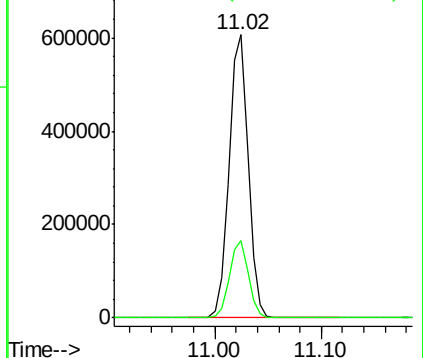
105 100

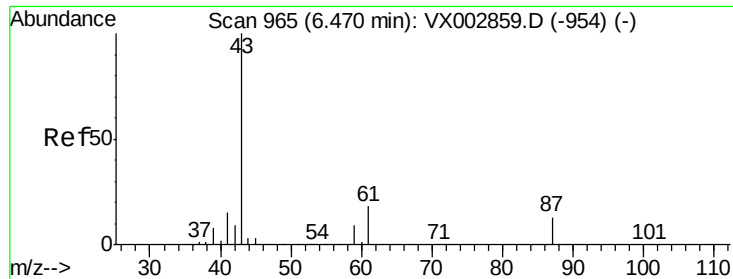
120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 48.51 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MSD

Tot Ion: 43 Resp: 348580

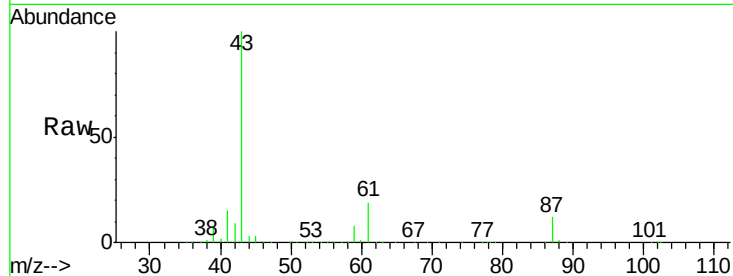
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 18.7 14.4 21.6

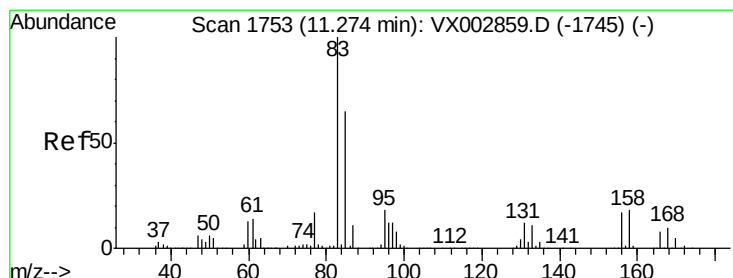
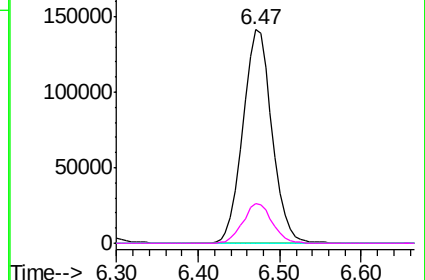
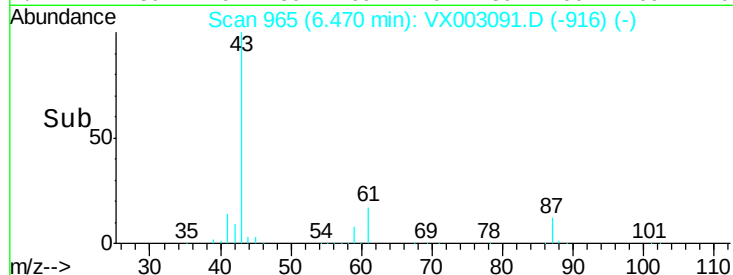


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 54.35 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

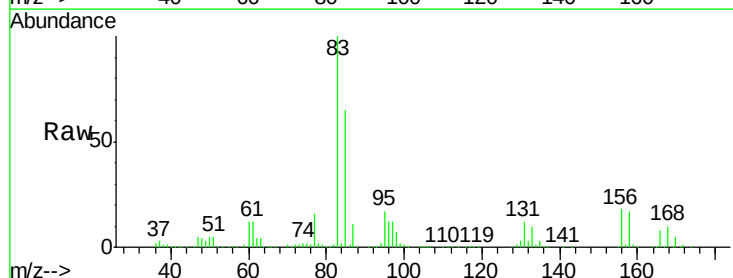
Tgt Ion: 83 Resp: 245893

Ion Ratio Lower Upper

83 100

131 11.3 5.6 16.8

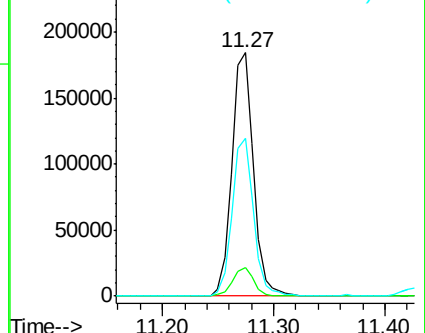
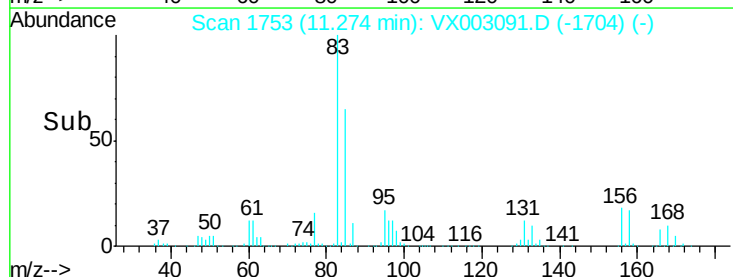
85 64.7 32.4 97.2

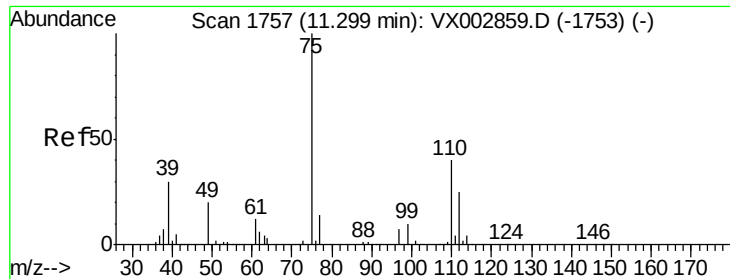


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

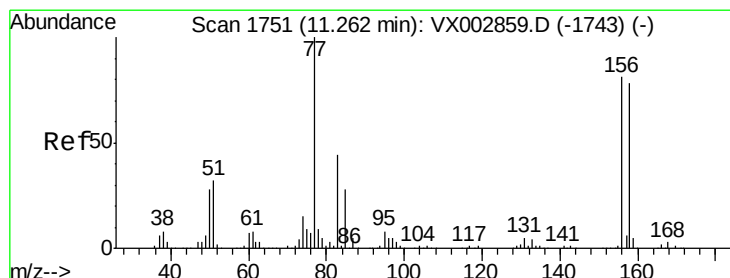
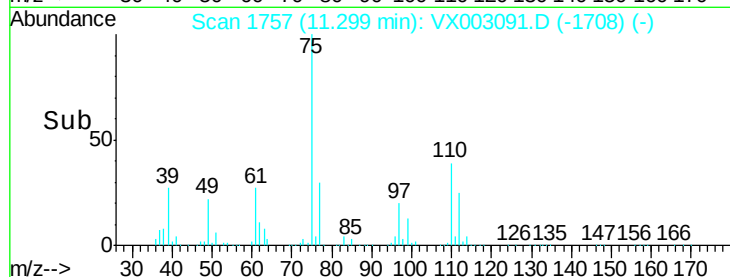
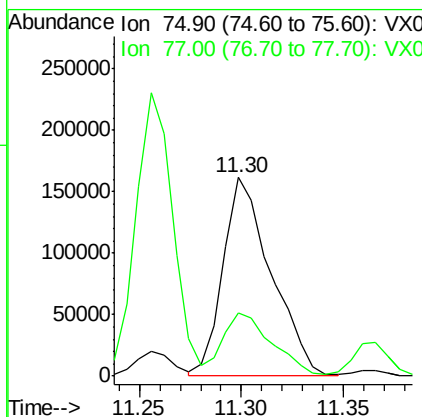
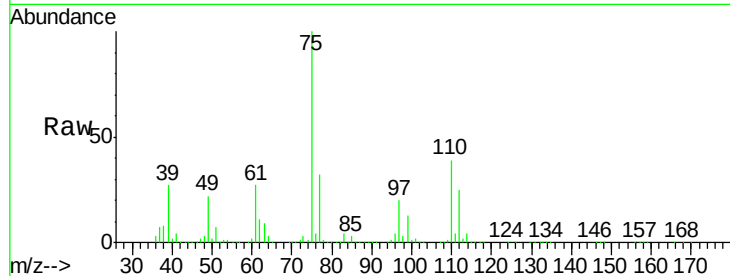




#76
 1,2,3-Trichloropropane
 Concen: 66.78 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

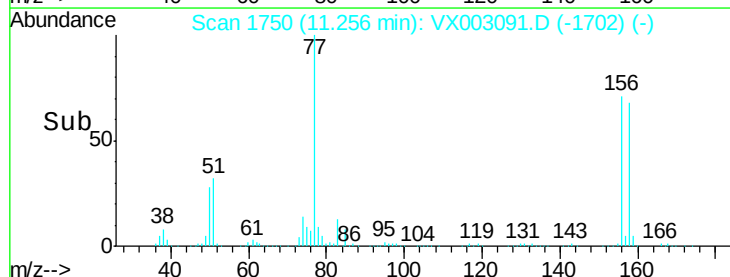
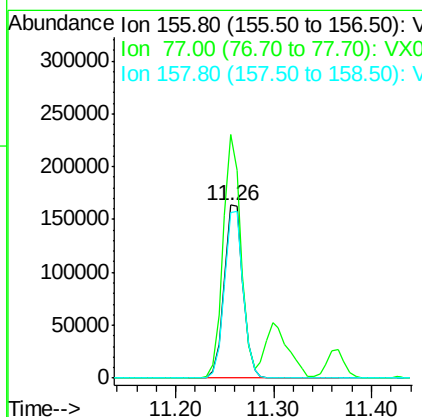
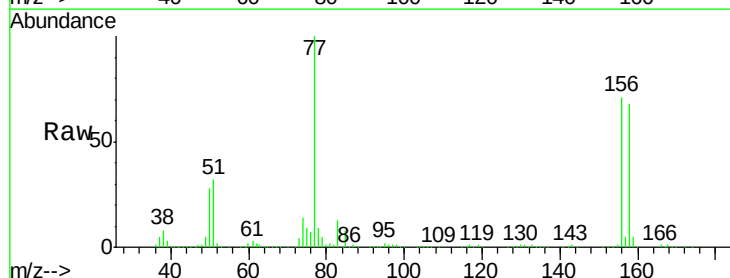
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MSD

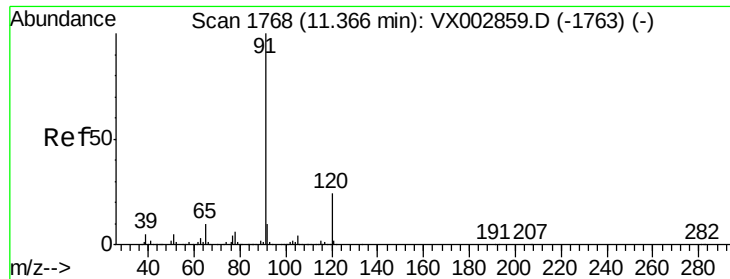
Tot Ion: 75 Resp: 264107
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.8 68.3



#77
 Bromobenzene
 Concen: 52.05 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

Tgt Ion: 156 Resp: 217696
 Ion Ratio Lower Upper
 156 100
 77 133.3 71.4 214.2
 158 96.4 48.9 146.6





#78

n-propylbenzene

Concen: 50.96 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

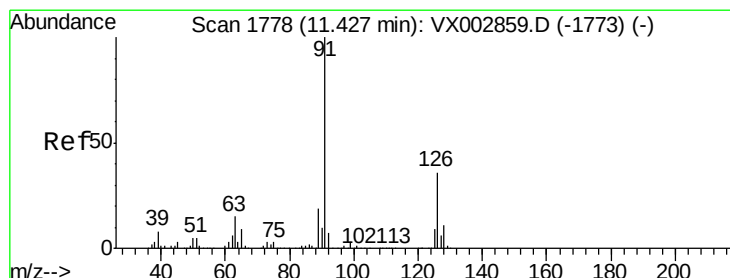
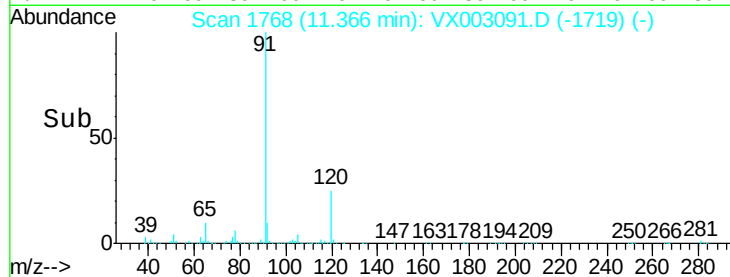
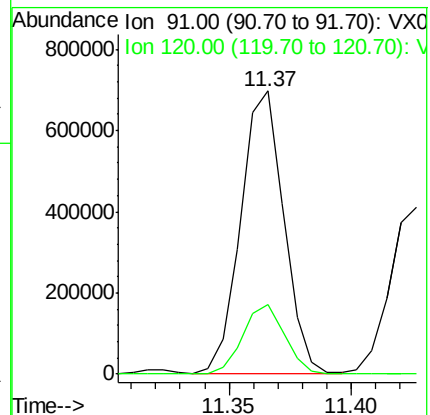
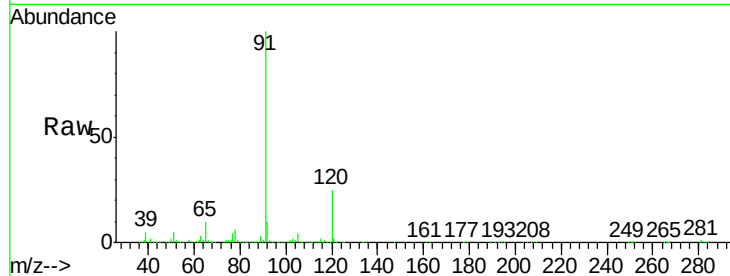
S73-0217MSD

Tot Ion: 91 Resp: 851891

Ion Ratio Lower Upper

91 100

120 24.3 11.8 35.4



#79

2-Chlorotoluene

Concen: 50.45 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003091.D

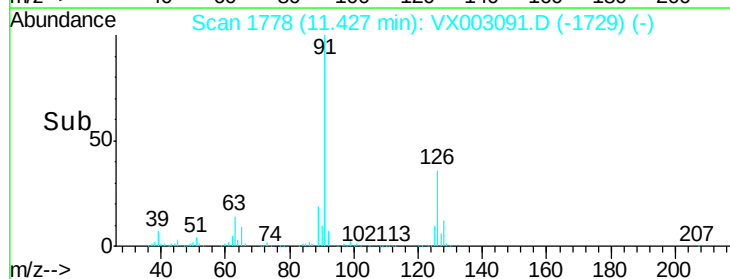
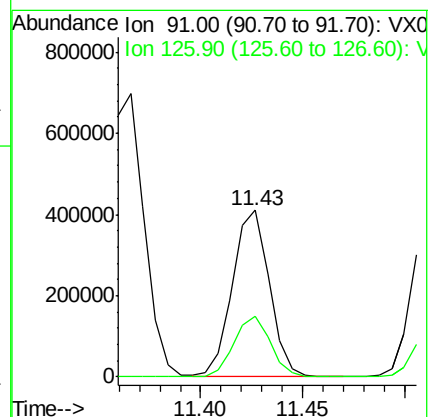
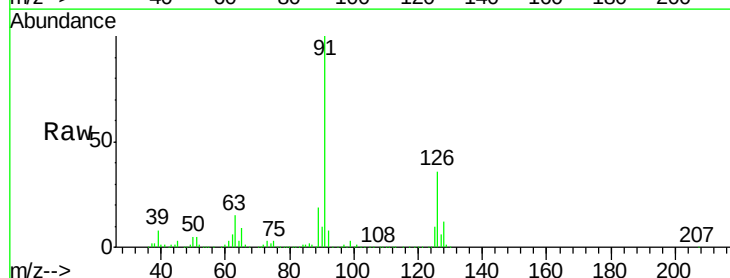
Acq: 30 Jun 2018 20:42

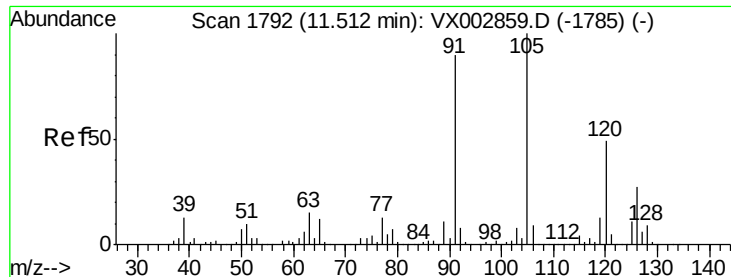
Tgt Ion: 91 Resp: 510644

Ion Ratio Lower Upper

91 100

126 36.2 17.7 53.1

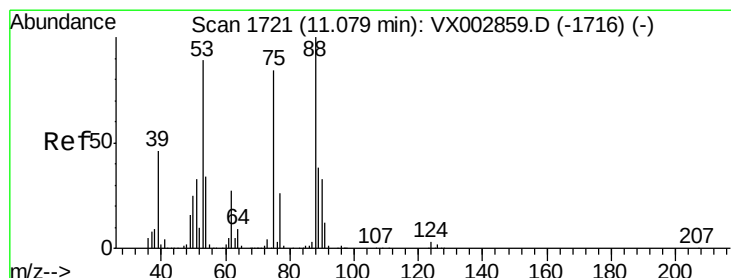
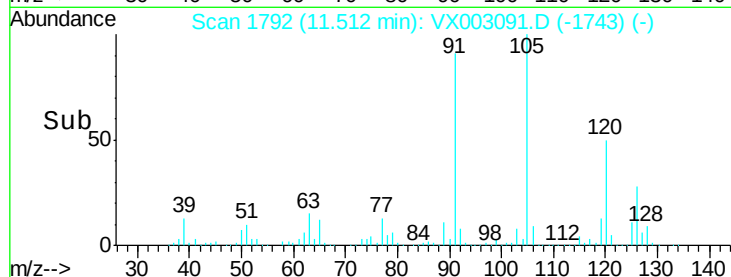
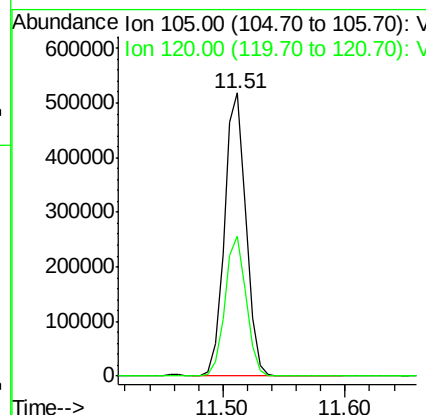
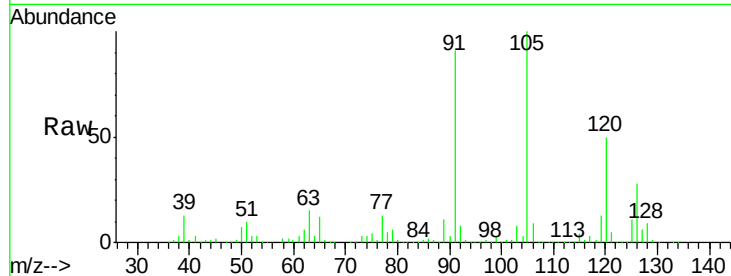




#80
 1,3,5-Trimethylbenzene
 Concen: 50.98 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

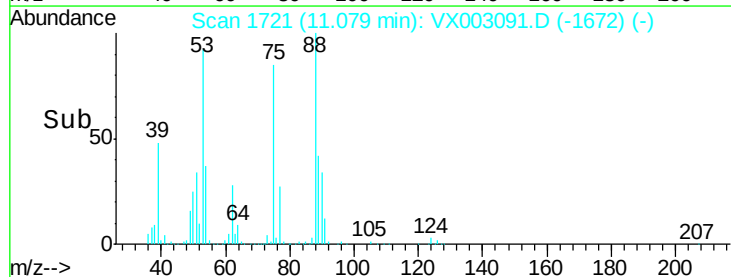
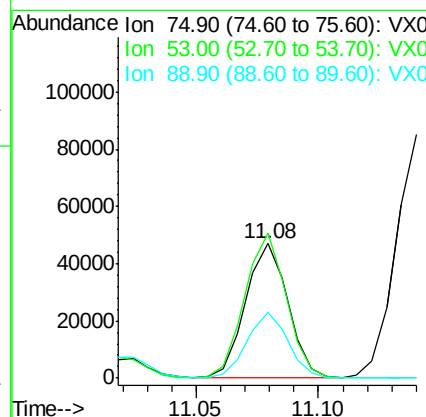
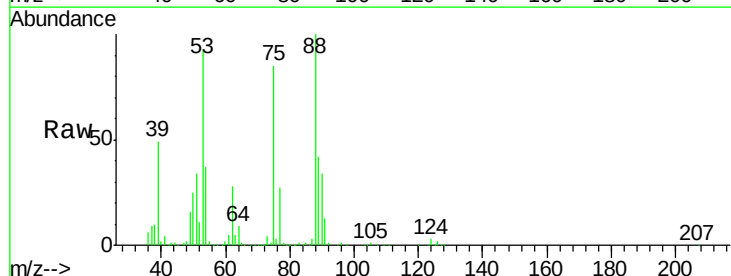
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MSD

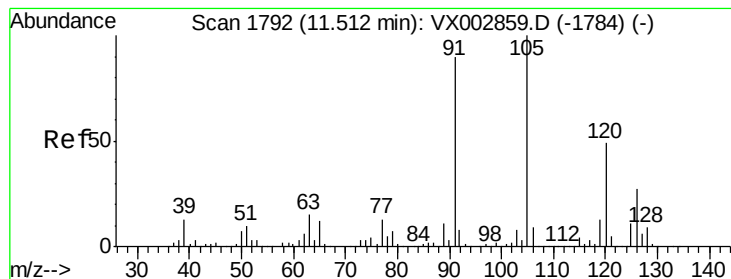
Tot Ion:105 Resp: 630652
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 42.04 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

Tgt Ion: 75 Resp: 56520
 Ion Ratio Lower Upper
 75 100
 53 106.9 86.8 130.2
 89 47.9 38.2 57.2





#82

4-Chlorotoluene

Concen: 50.32 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampled :

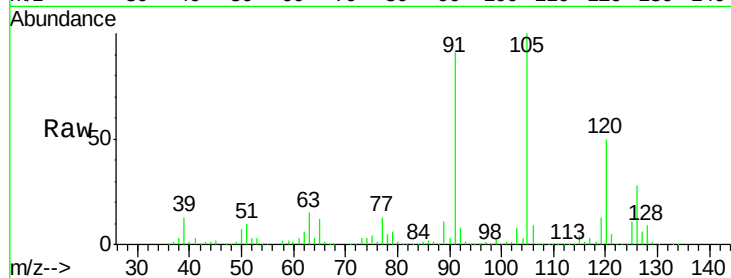
S73-0217MSD

Tot Ion: 91 Resp: 602911

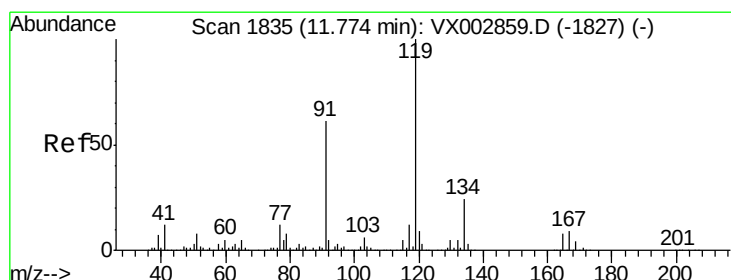
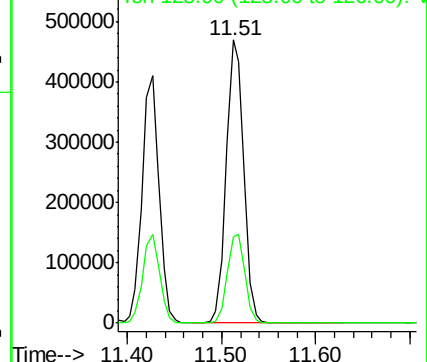
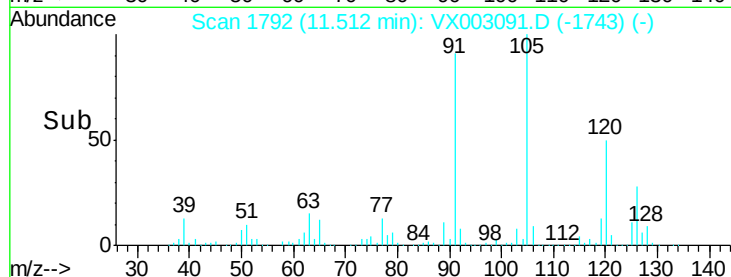
Ion Ratio Lower Upper

91 100

126 31.6 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX003091.D (-1743) (-)



#83

tert-Butylbenzene

Concen: 52.95 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

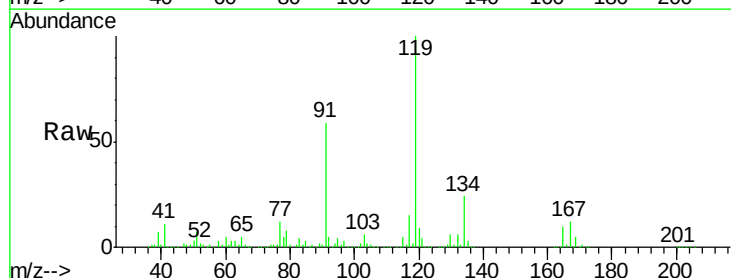
Tgt Ion: 119 Resp: 645476

Ion Ratio Lower Upper

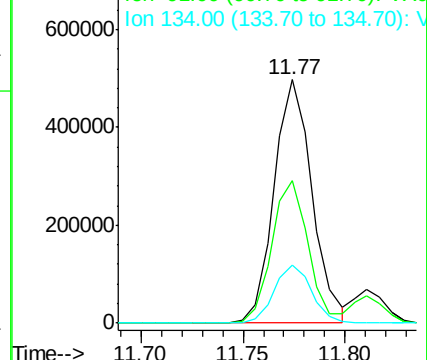
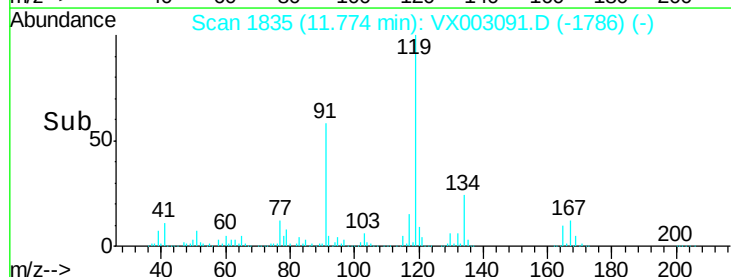
119 100

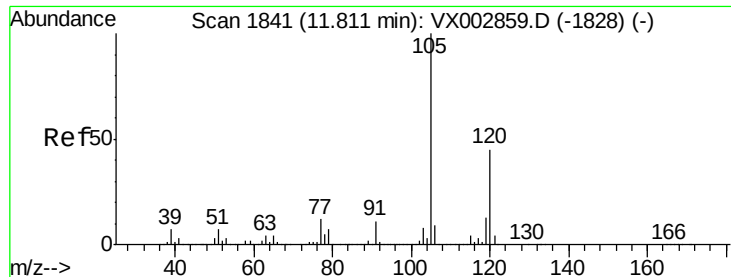
91 56.5 30.3 90.9

134 23.5 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): VX003091.D (-1786) (-)

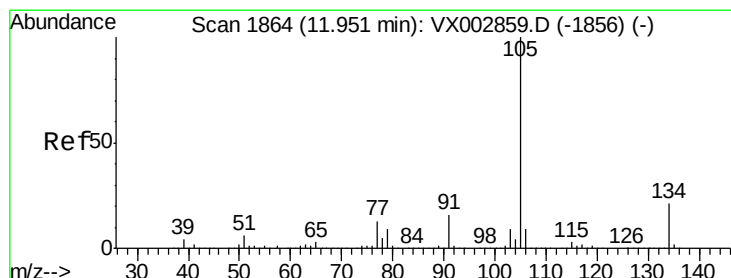
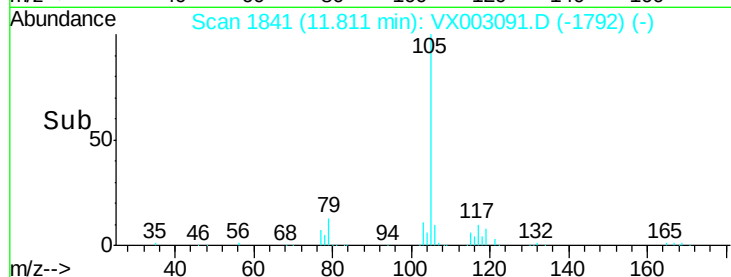
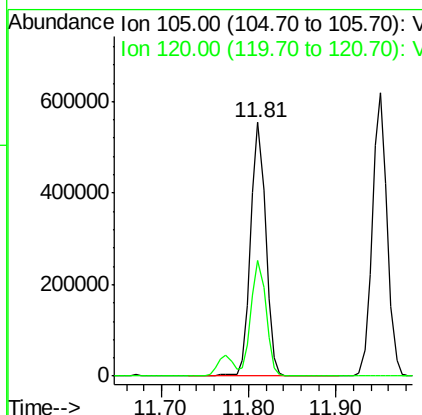
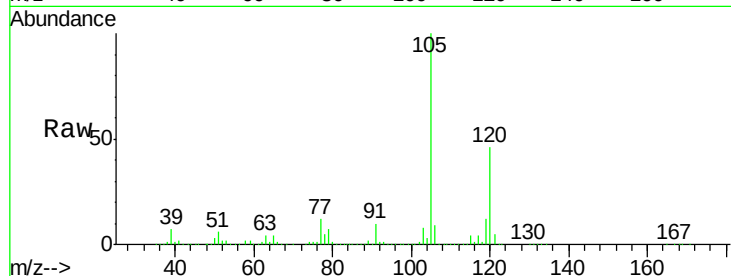




#84
1,2,4-Trimethylbenzene
Concen: 51.10 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

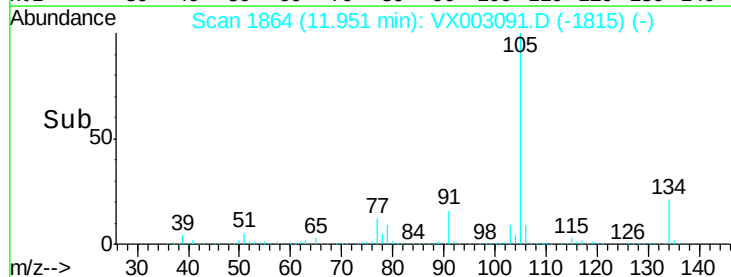
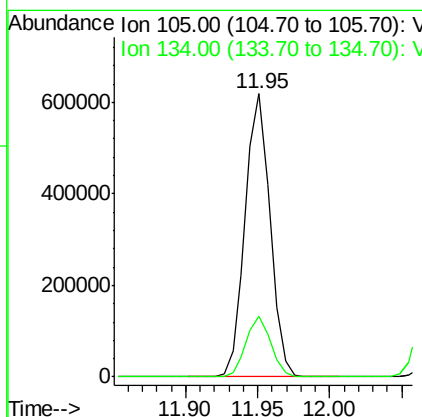
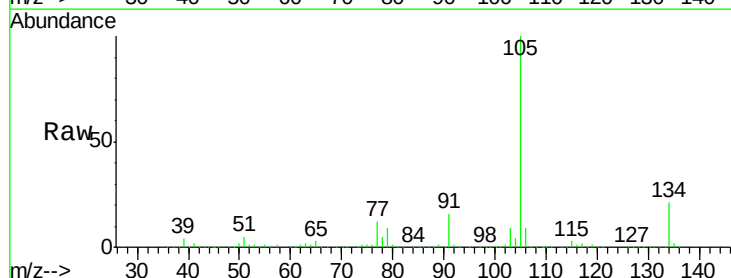
Instrument :
MSVOA_X
ClientSampleId :
S73-0217MSD

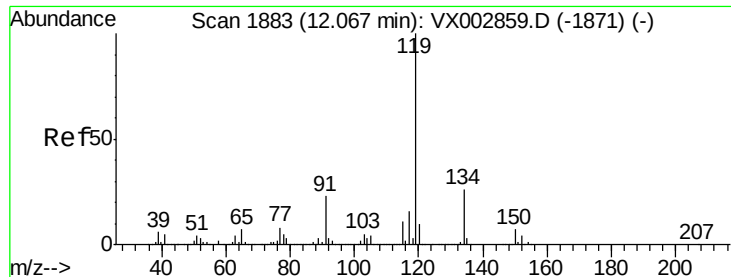
Tot Ion:105 Resp: 654978
Ion Ratio Lower Upper
105 100
120 45.6 22.3 66.8



#85
sec-Butylbenzene
Concen: 49.98 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VX003091.D
Acq: 30 Jun 2018 20:42

Tgt Ion:105 Resp: 739223
Ion Ratio Lower Upper
105 100
134 21.2 10.4 31.1

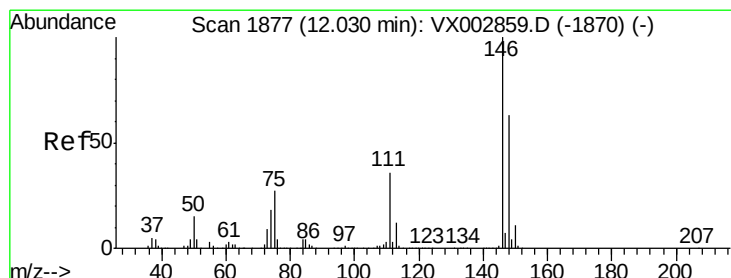
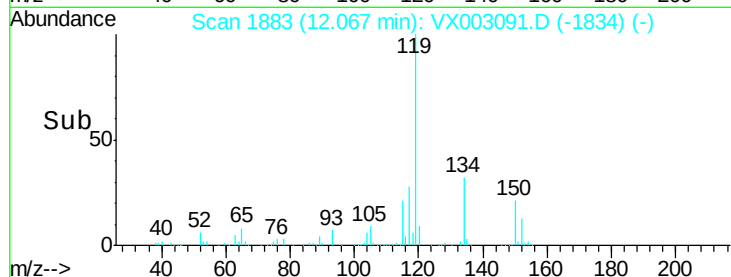
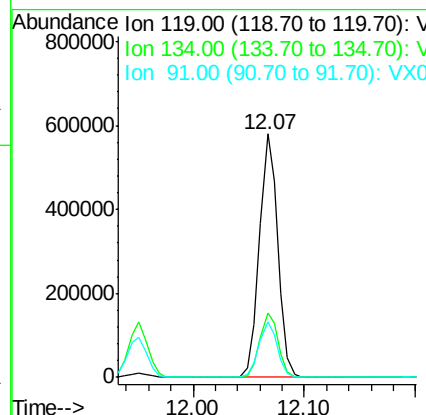
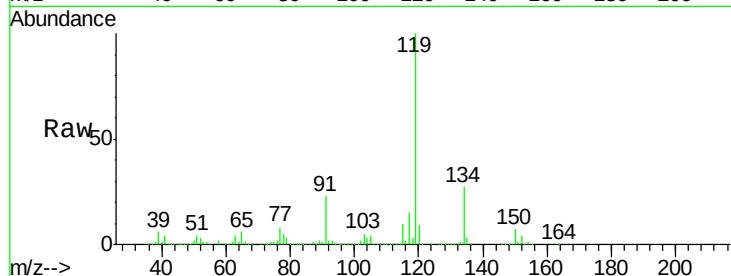




#86
 p-Isopropyltoluene
 Concen: 50.24 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

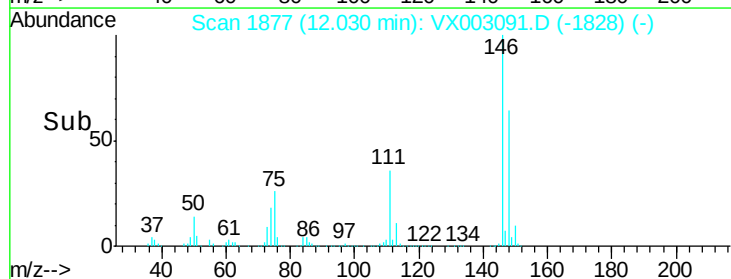
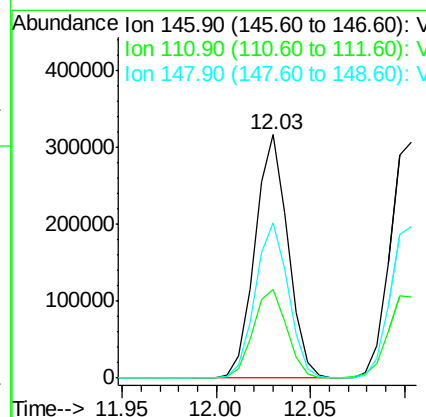
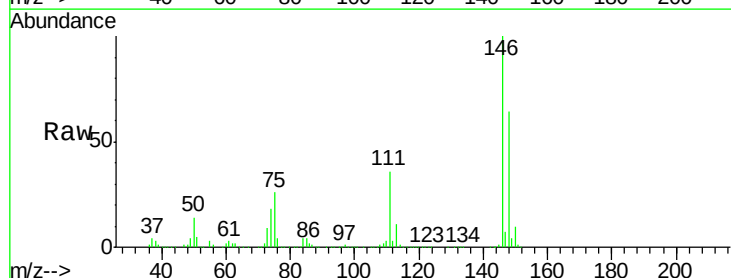
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MSD

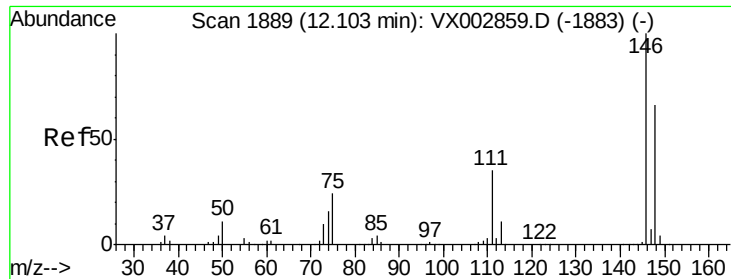
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.1
91	22.8	11.9	35.7



#87
 1,3-Dichlorobenzene
 Concen: 50.23 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003091.D
 Acq: 30 Jun 2018 20:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.7
148	64.3	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 49.29 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampled :

S73-0217MSD

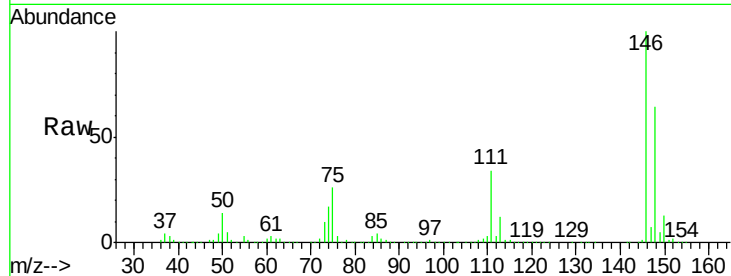
Tot Ion:146 Resp: 387483

Ion Ratio Lower Upper

146 100

111 36.3 18.7 56.1

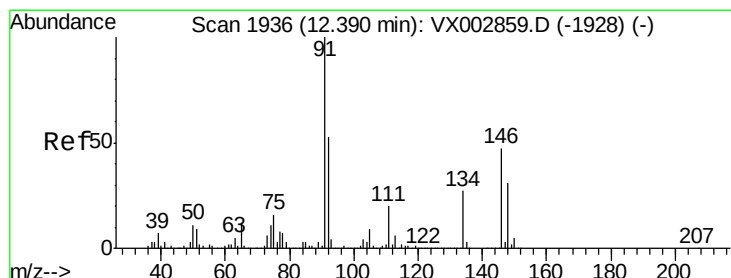
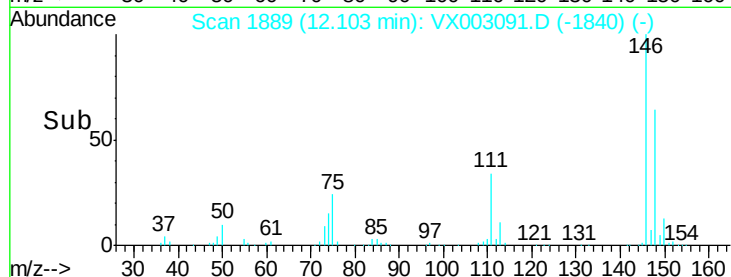
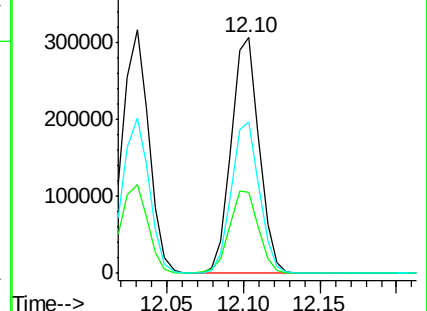
148 64.9 32.4 97.0



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: 47.30 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

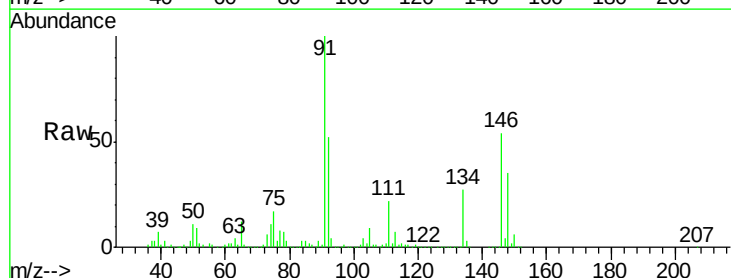
Tgt Ion: 91 Resp: 547454

Ion Ratio Lower Upper

91 100

92 52.5 26.0 78.0

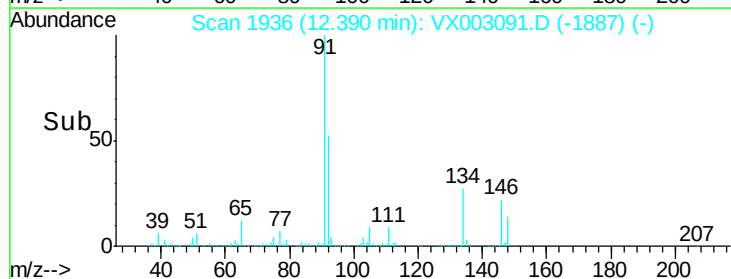
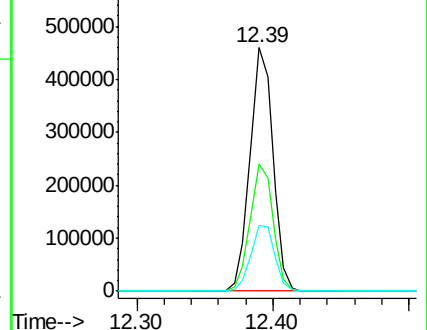
134 28.2 13.5 40.5

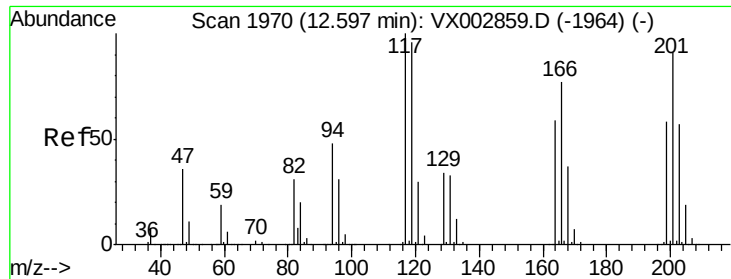


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 49.63 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

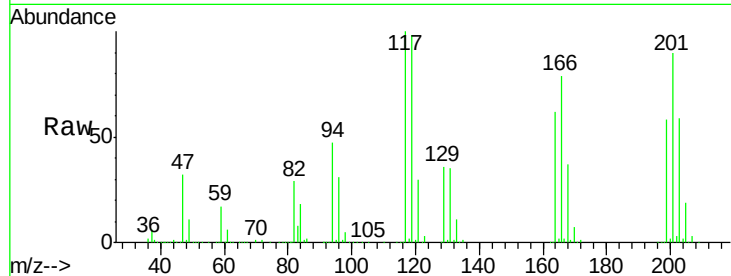
S73-0217MSD

Tot Ion:117 Resp: 98151

Ion Ratio Lower Upper

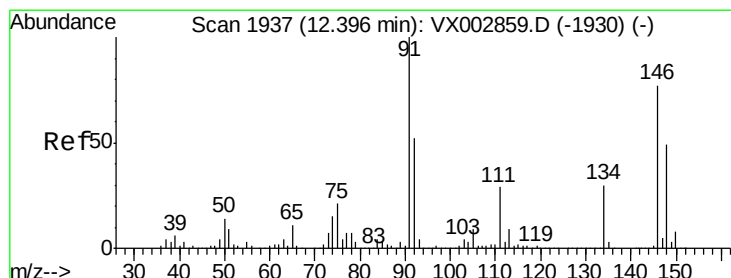
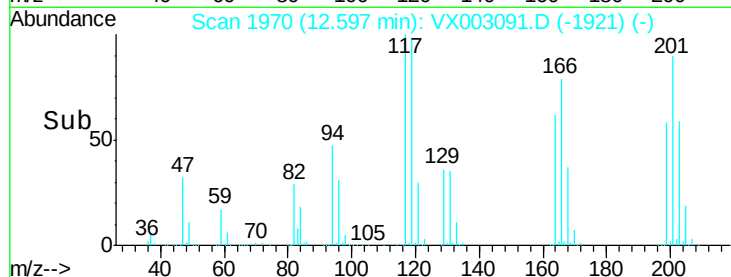
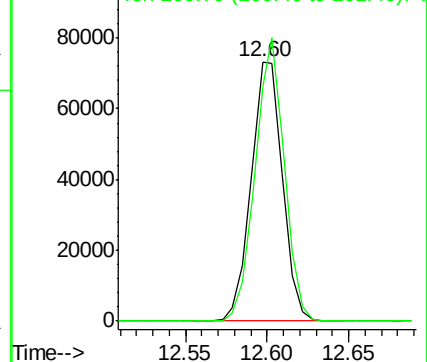
117 100

201 101.1 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 50.48 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

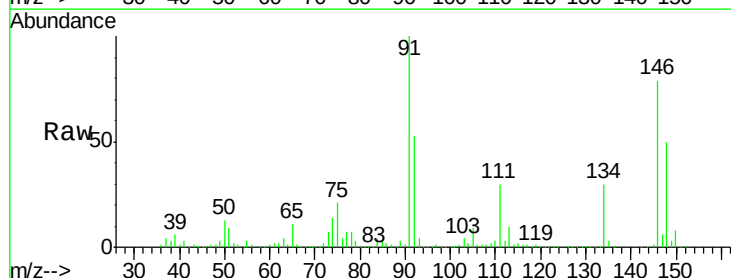
Tgt Ion:146 Resp: 389174

Ion Ratio Lower Upper

146 100

111 38.7 19.4 58.1

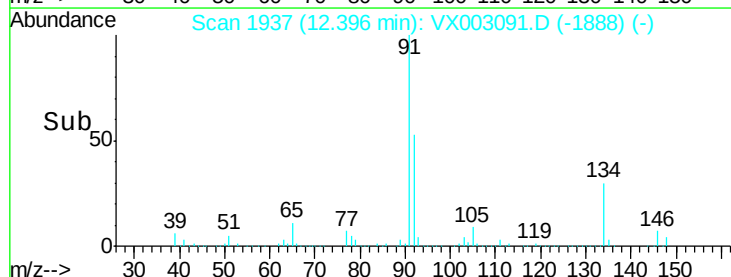
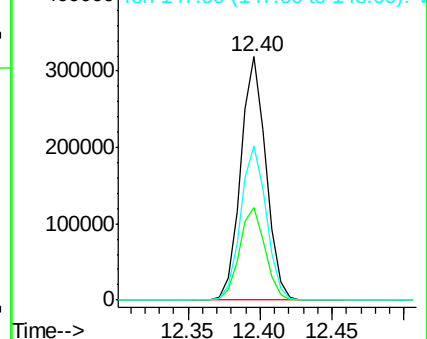
148 64.4 31.7 95.1

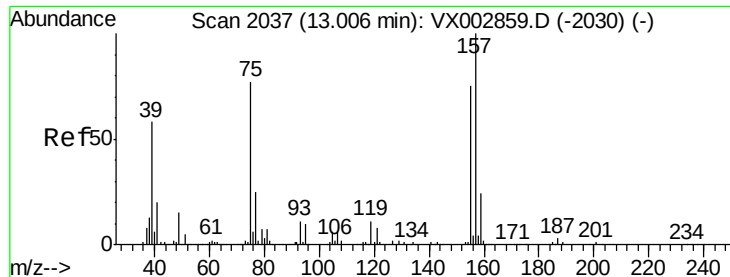


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.17 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MSD

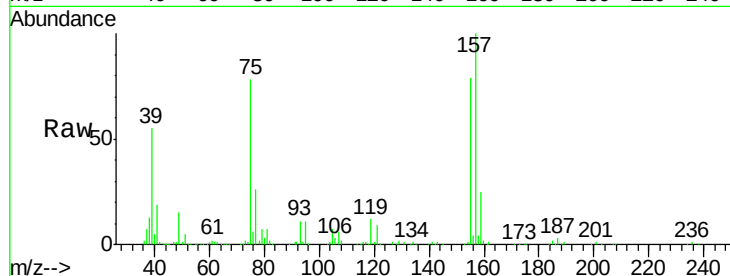
Tot Ion: 75 Resp: 54079

Ion Ratio Lower Upper

75 100

155 97.8 45.8 137.4

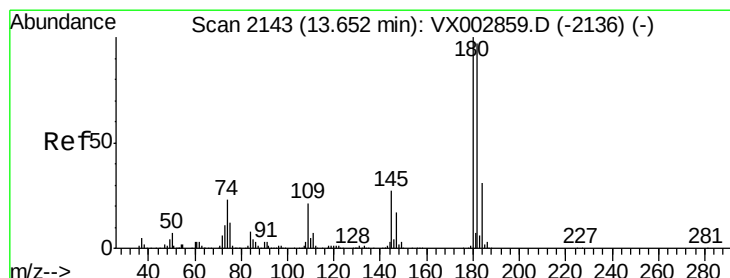
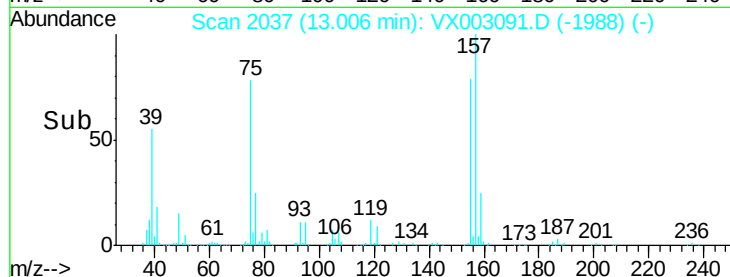
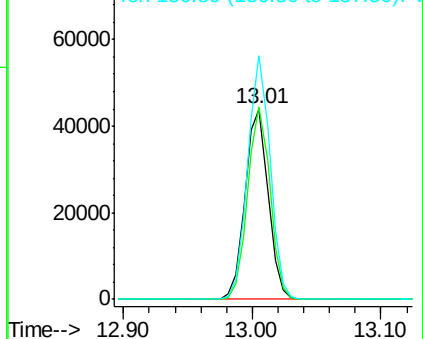
157 123.3 60.1 180.3



Abundance Ion 74.90 (74.60 to 75.60): VX

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 50.02 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

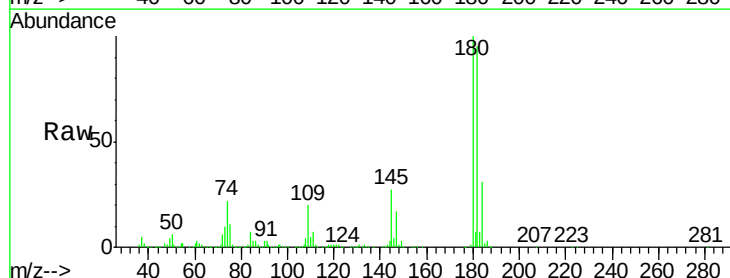
Tgt Ion:180 Resp: 280684

Ion Ratio Lower Upper

180 100

182 95.4 47.7 143.1

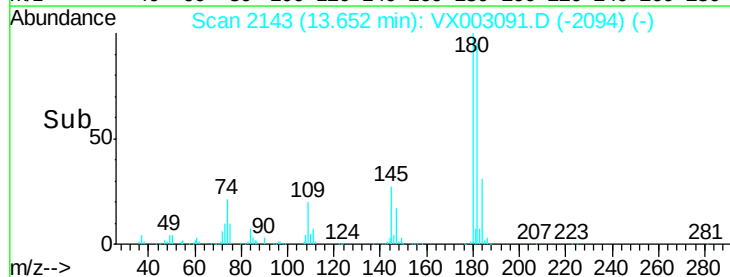
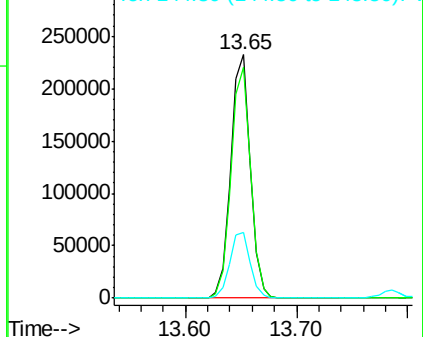
145 28.4 14.1 42.4

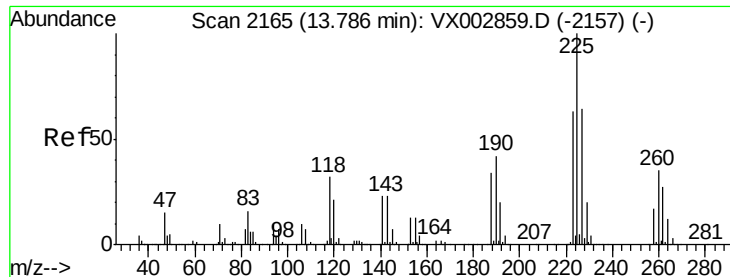


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 46.33 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MSD

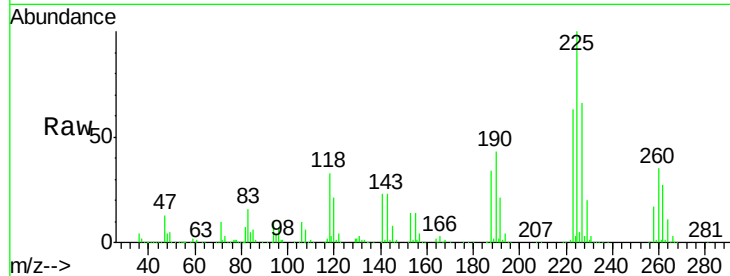
Tot Ion:225 Resp: 129648

Ion Ratio Lower Upper

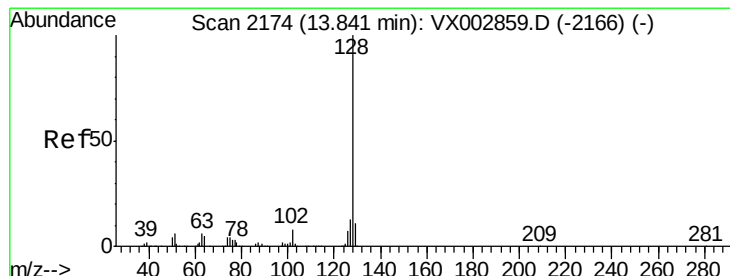
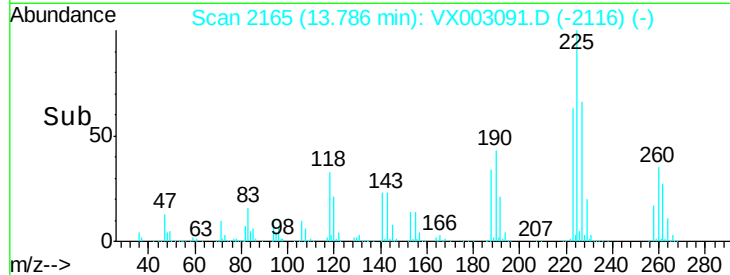
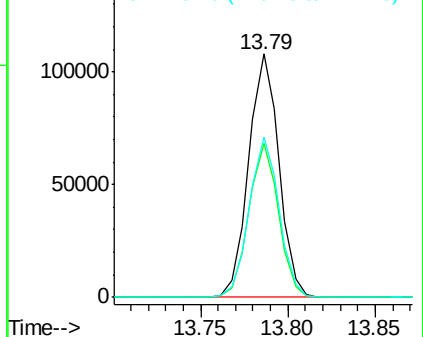
225 100

223 62.0 31.6 95.0

227 64.6 32.4 97.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 55.12 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

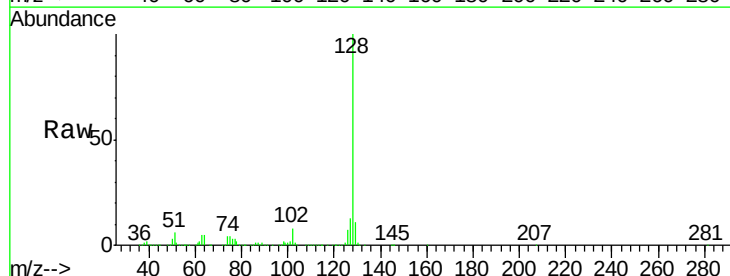
Tgt Ion:128 Resp: 823774

Ion Ratio Lower Upper

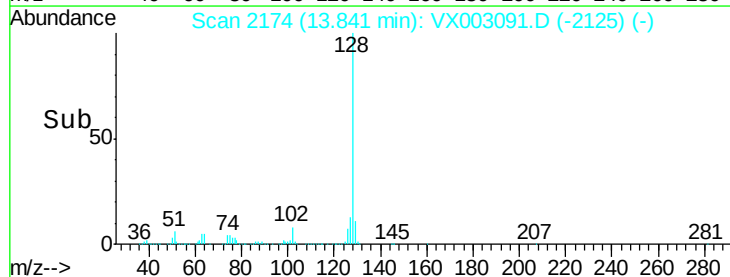
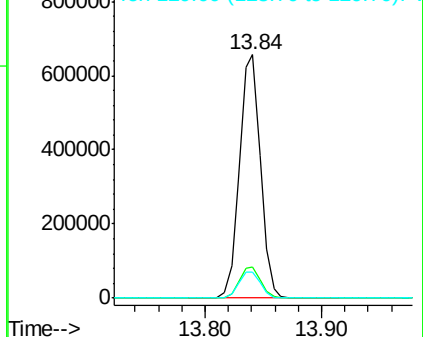
128 100

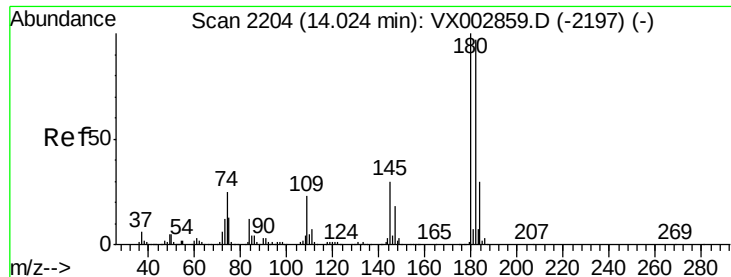
127 13.1 10.4 15.6

129 11.1 8.6 13.0



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: 51.21 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003091.D

Acq: 30 Jun 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MSD

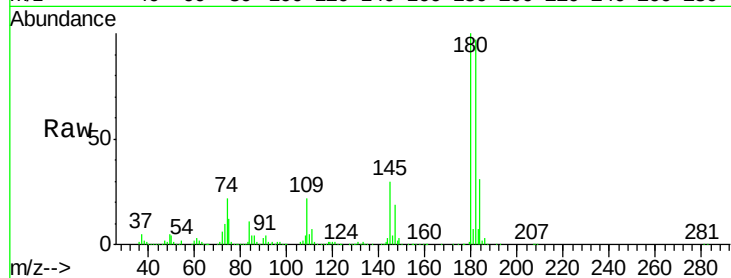
Tot Ion:180 Resp: 287005

Ion Ratio Lower Upper

180 100

182 95.9 48.0 144.0

145 30.4 14.8 44.3



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

