

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003090.D
 Acq On : 30 Jun 2018 20:16
 Operator : JC/MD
 Sample : J3675-10MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MS

Quant Time: Jul 02 02:46:04 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	268582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	374899	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	354597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220321	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	180090	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
35) Dibromofluoromethane	5.51	113	149253	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
50) Toluene-d8	8.72	98	524817	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	11.14	95	204982	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	144734	60.42	ug/l	99
3) Chloromethane	1.32	50	141798	57.12	ug/l	99
4) Vinyl Chloride	1.40	62	163288	53.76	ug/l	# 88
5) Bromomethane	1.64	94	53254	36.84	ug/l	100
6) Chloroethane	1.72	64	97822	55.11	ug/l	99
7) Trichlorofluoromethane	1.93	101	248946	48.59	ug/l	97
8) Diethyl Ether	2.19	74	93634	50.27	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	140660	47.38	ug/l	98
10) Methyl Iodide	2.51	142	124908	42.55	ug/l	98
11) Tert butyl alcohol	3.08	59	172900	233.80	ug/l	99
12) 1,1-Dichloroethene	2.37	96	130053	49.10	ug/l	94
13) Acrolein	2.29	56	65972	162.42	ug/l	100
14) Allyl chloride	2.73	41	253048	48.46	ug/l	95
15) Acrylonitrile	3.15	53	409922	259.51	ug/l	99
16) Acetone	2.45	43	366670	238.50	ug/l	96
17) Carbon Disulfide	2.57	76	335370	47.52	ug/l	99
18) Methyl Acetate	2.78	43	182519	42.46	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	477144	50.11	ug/l	100
20) Methylene Chloride	2.86	84	144079	48.16	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	140365	48.65	ug/l	92
22) Diisopropyl ether	3.88	45	510094	51.11	ug/l	99
23) Vinyl Acetate	3.83	43	2045301	242.01	ug/l	99
24) 1,1-Dichloroethane	3.70	63	268453	49.49	ug/l	100
25) 2-Butanone	4.71	43	604077	264.76	ug/l	98
26) 2,2-Dichloropropane	4.59	77	170129	38.57	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	171471	53.01	ug/l	92
28) Bromochloromethane	5.02	49	127914	49.26	ug/l	92
29) Tetrahydrofuran	5.17	42	387517	264.85	ug/l	97
30) Chloroform	5.22	83	286065	51.38	ug/l	98
31) Cyclohexane	5.57	56	232330	49.90	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	253129	51.68	ug/l	98
36) 1,1-Dichloropropene	5.80	75	201016	48.89	ug/l	98
37) Ethyl Acetate	4.87	43	214928	48.55	ug/l	99
38) Carbon Tetrachloride	5.78	117	224394	49.74	ug/l	98

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Quant Time: Jul 02 02:46:04 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)
39) Methylcyclohexane	7.46	83	226018	47.20	ug/l	96
40) Benzene	6.15	78	605005	50.65	ug/l	100
41) Methacrylonitrile	5.07	41	132958	52.16	ug/l	98
42) 1,2-Dichloroethane	6.20	62	231827	48.04	ug/l	98
43) Isopropyl Acetate	6.47	43	359296	48.40	ug/l	98
44) Trichloroethene	7.22	130	174311	48.94	ug/l	100
45) 1,2-Dichloropropane	7.52	63	159895	50.46	ug/l	99
46) Dibromomethane	7.66	93	108531	49.35	ug/l	95
47) Bromodichloromethane	7.90	83	208650	51.32	ug/l	99
48) Methyl methacrylate	7.78	41	194751	50.91	ug/l	95
49) 1,4-Dioxane	7.76	88	70881	952.41	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1215750	261.74	ug/l	97
52) Toluene	8.79	92	388131	50.72	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	230984	50.17	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	217008	48.99	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	161497	51.36	ug/l	98
56) Ethyl methacrylate	9.18	69	247106	53.77	ug/l	94
57) 1,3-Dichloropropane	9.38	76	265434	51.39	ug/l	99
59) 2-Hexanone	9.50	43	926000	262.31	ug/l	96
60) Dibromochloromethane	9.59	129	174739	52.79	ug/l	99
61) 1,2-Dibromoethane	9.68	107	172107	52.18	ug/l	100
64) Tetrachloroethene	9.34	164	170229	43.17	ug/l	99
65) Chlorobenzene	10.14	112	449219	49.88	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	169871	51.92	ug/l	100
67) Ethyl Benzene	10.26	91	787593	52.94	ug/l	99
68) m/p-Xylenes	10.36	106	598849	104.44	ug/l	98
69) o-Xylene	10.70	106	287001	51.40	ug/l	99
70) Styrene	10.71	104	483115	53.25	ug/l	99
71) Bromoform	10.86	173	139155	47.30	ug/l	99
73) Isopropylbenzene	11.02	105	787353	53.12	ug/l	100
74) N-amyl acetate	6.47	43	359296	49.54	ug/l	# 98
75) 1,1,2,2-Tetrachloroethane	11.27	83	251577	55.10	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	267912	67.13	ug/l	80
77) Bromobenzene	11.26	156	220994	52.36	ug/l	96
78) n-propylbenzene	11.37	91	875622	51.90	ug/l	99
79) 2-Chlorotoluene	11.43	91	520206	50.93	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	647058	51.83	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	57323	42.23	ug/l	99
82) 4-Chlorotoluene	11.51	91	613694	50.75	ug/l	99
83) tert-Butylbenzene	11.77	119	658496	53.52	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	674906	52.18	ug/l	98
85) sec-Butylbenzene	11.95	105	757985	50.79	ug/l	99
86) p-Isopropyltoluene	12.07	119	681265	50.77	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	390293	50.63	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	394989	49.79	ug/l	99
89) n-Butylbenzene	12.39	91	563048	48.21	ug/l	99
90) Hexachloroethane	12.60	117	99070	49.64	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	397626	51.10	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	55850	54.41	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	286160	50.53	ug/l	100

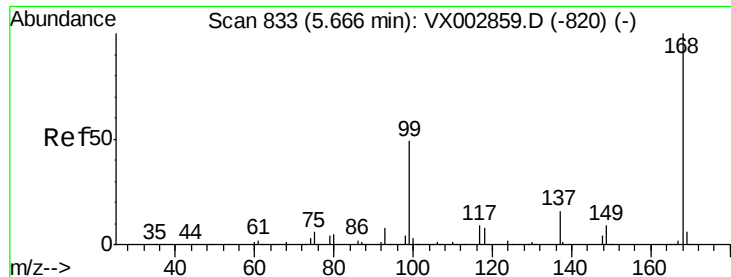
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	135838	48.10	ug/l	98
95) Naphthalene	13.84	128	852574	56.53	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	292722	51.75	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

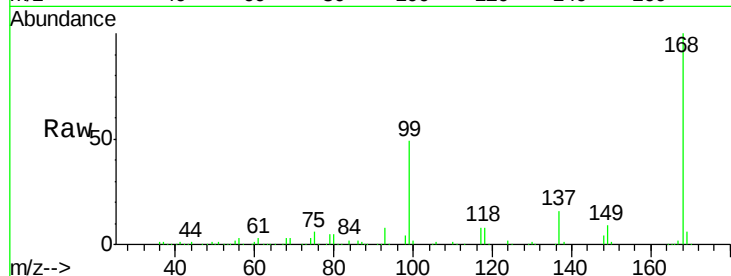
S73-0217MS

Tot Ion:168 Resp: 268582

Ion Ratio Lower Upper

168 100

99 48.5 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

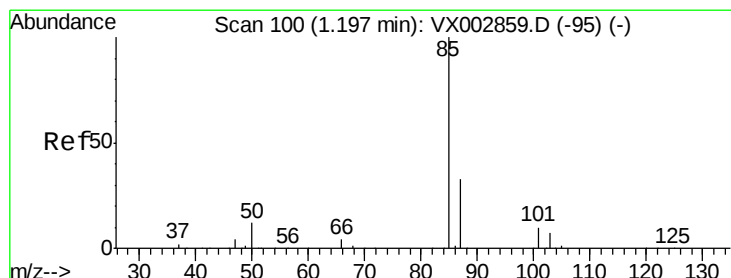
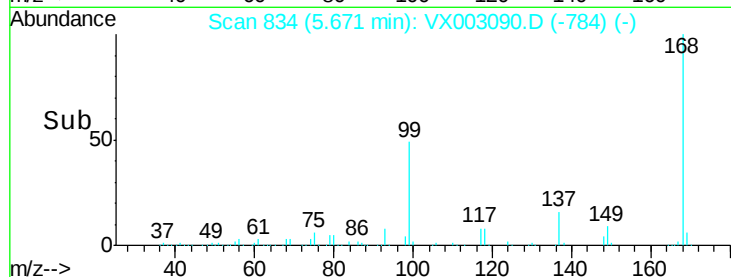
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 60.42 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003090.D

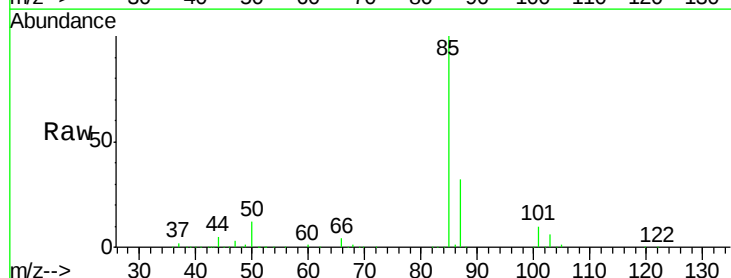
Acq: 30 Jun 2018 20:16

Tgt Ion: 85 Resp: 144734

Ion Ratio Lower Upper

85 100

87 32.2 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

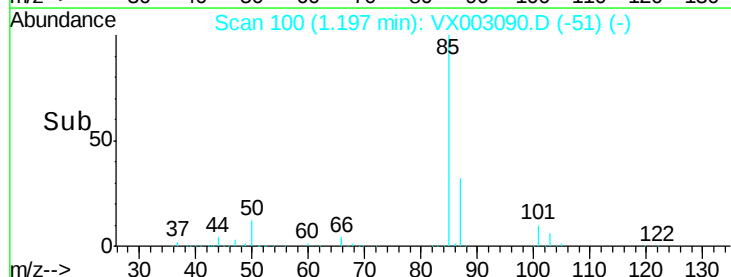
Time-->

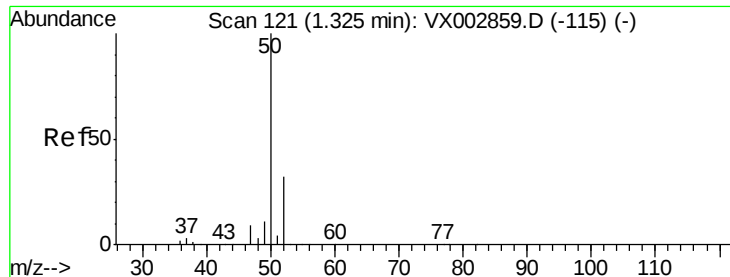
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 57.12 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

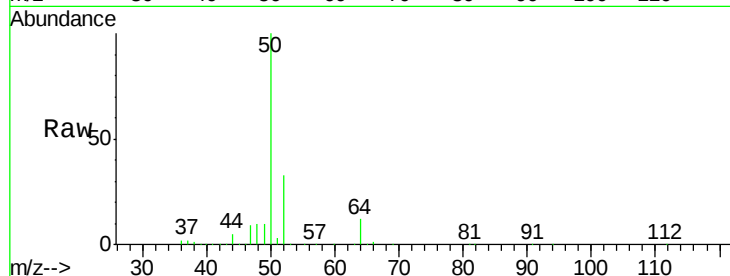
S73-0217MS

Tot Ion: 50 Resp: 141798

Ion Ratio Lower Upper

50 100

52 32.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

150000

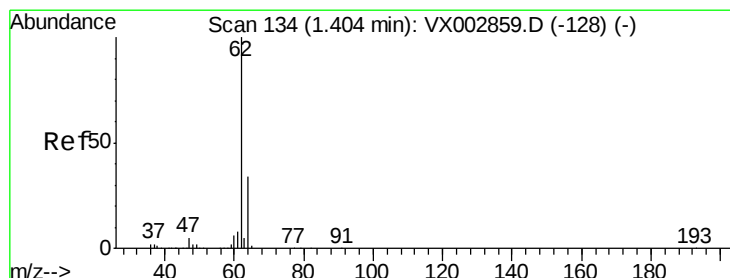
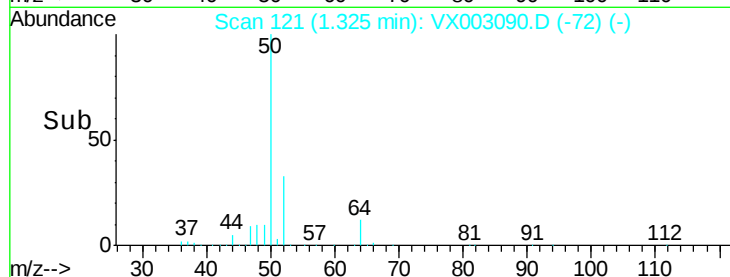
100000

50000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 53.76 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003090.D

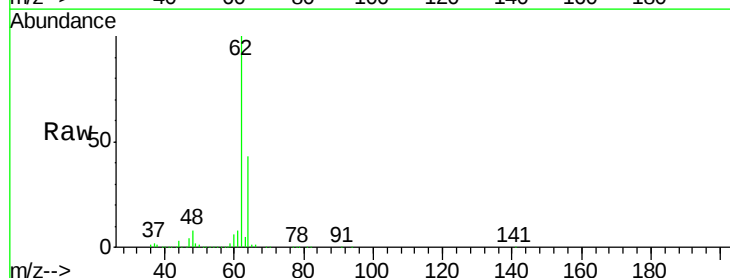
Acq: 30 Jun 2018 20:16

Tgt Ion: 62 Resp: 163288

Ion Ratio Lower Upper

62 100

64 38.4 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

150000

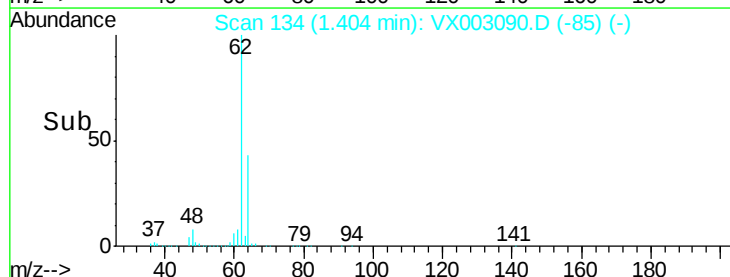
100000

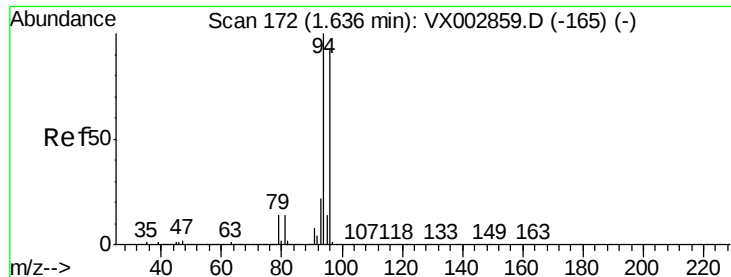
50000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 36.84 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampled :

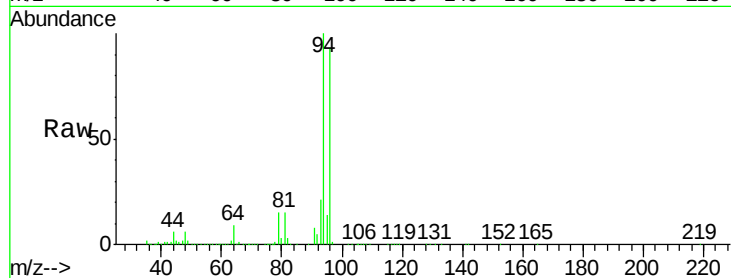
S73-0217MS

Tot Ion: 94 Resp: 53254

Ion Ratio Lower Upper

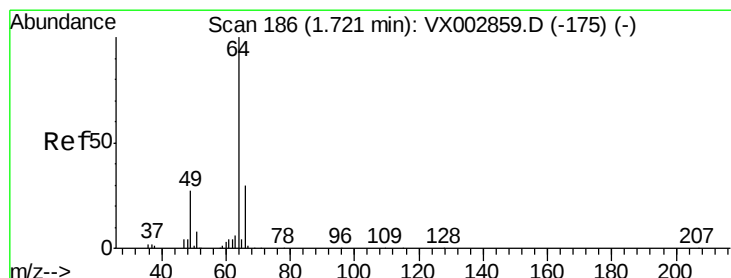
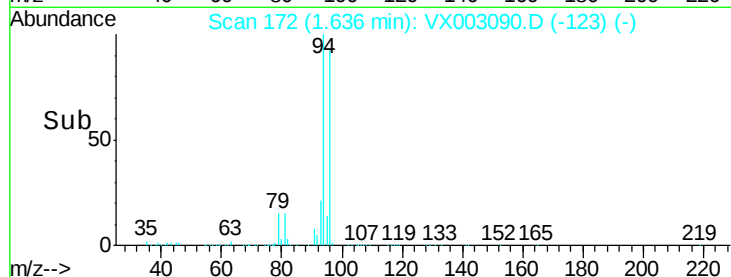
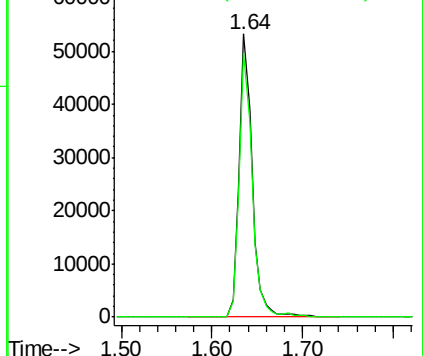
94 100

96 93.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 55.11 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX003090.D

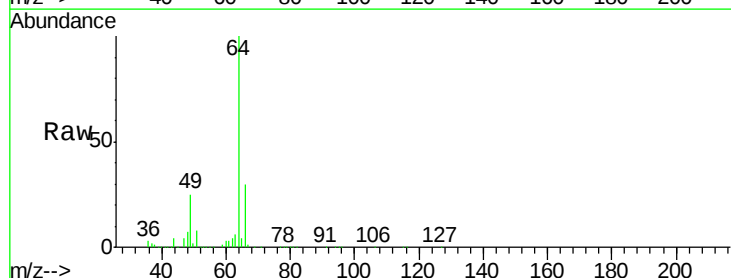
Acq: 30 Jun 2018 20:16

Tgt Ion: 64 Resp: 97822

Ion Ratio Lower Upper

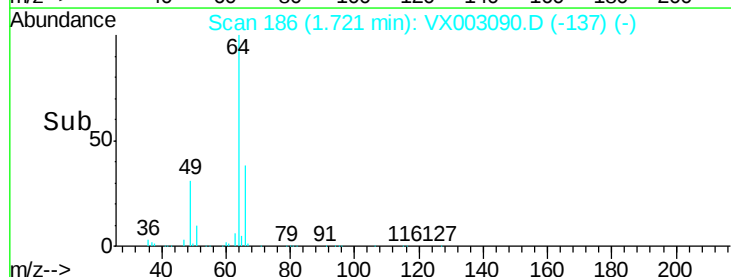
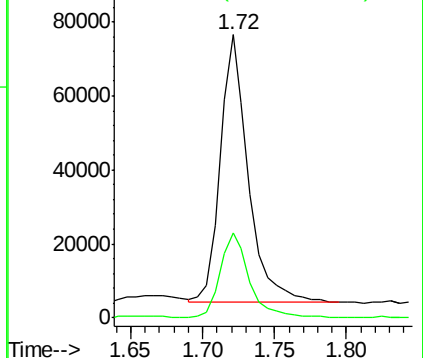
64 100

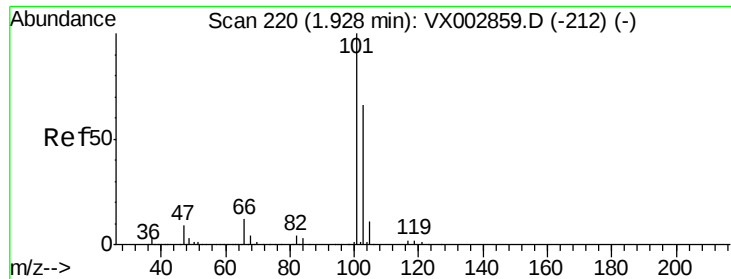
66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 48.59 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

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ClientSampleId :

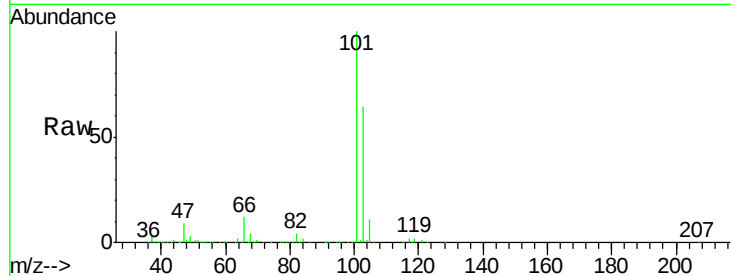
S73-0217MS

Tot Ion:101 Resp: 248946

Ion Ratio Lower Upper

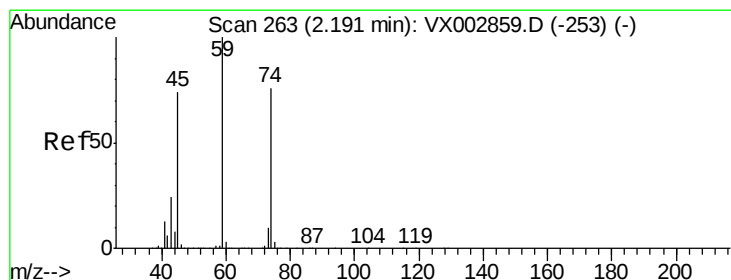
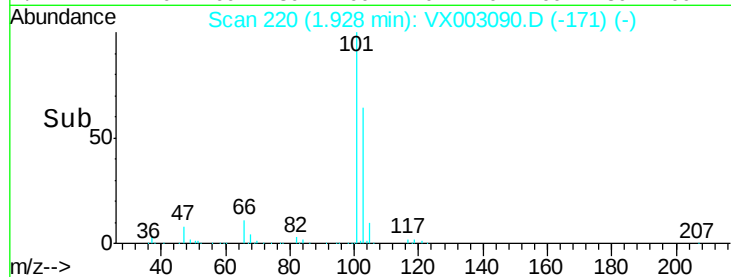
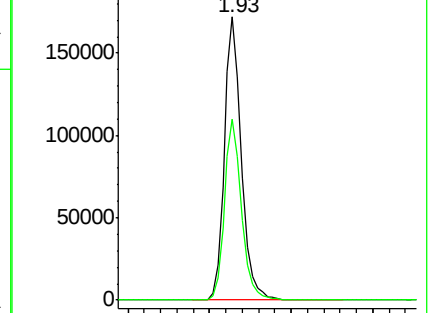
101 100

103 63.8 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 50.27 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003090.D

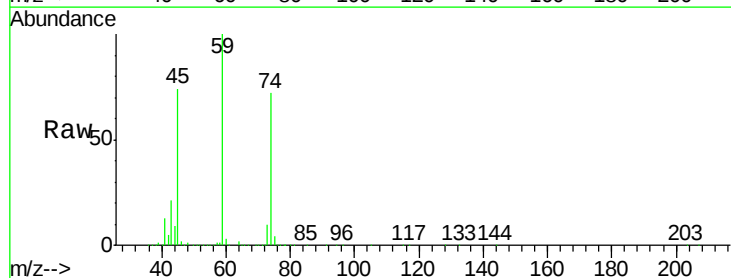
Acq: 30 Jun 2018 20:16

Tgt Ion: 74 Resp: 93634

Ion Ratio Lower Upper

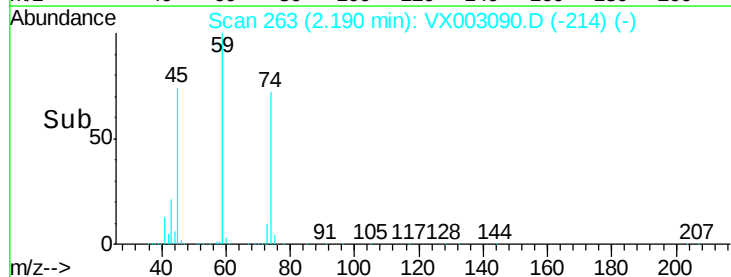
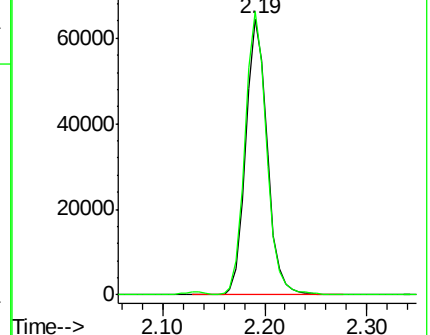
74 100

45 102.3 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.38 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MS

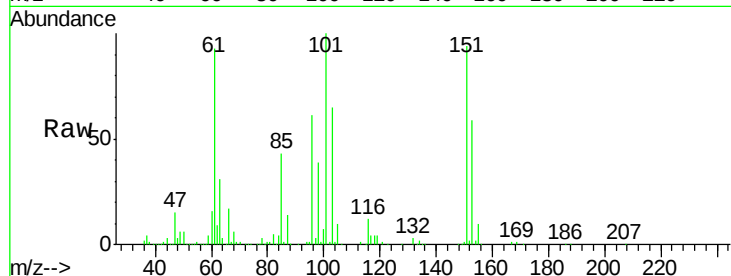
Tot Ion:101 Resp: 140660

Ion Ratio Lower Upper

101 100

85 44.1 36.0 54.0

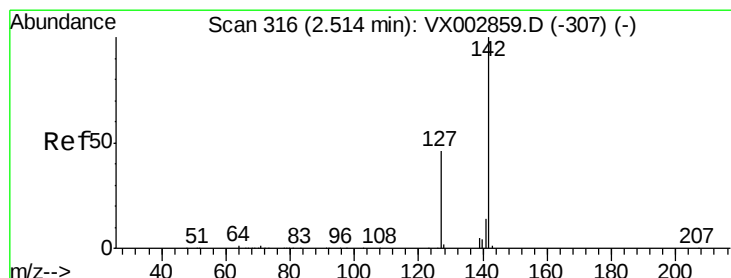
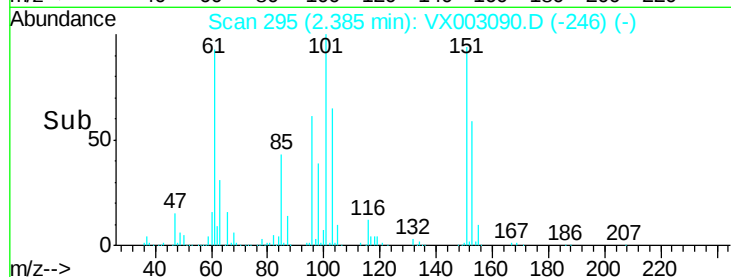
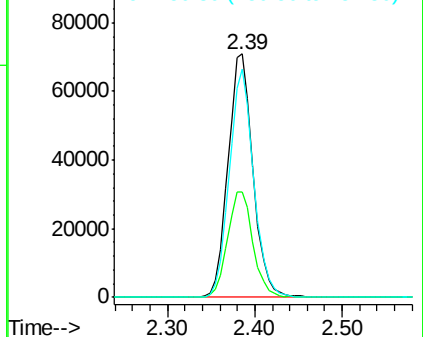
151 91.4 70.9 106.3



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: 42.55 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

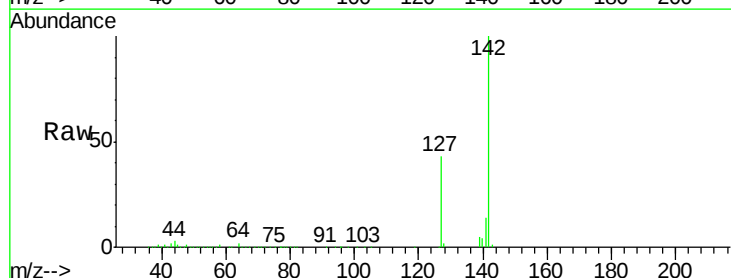
Tgt Ion:142 Resp: 124908

Ion Ratio Lower Upper

142 100

127 44.1 36.6 55.0

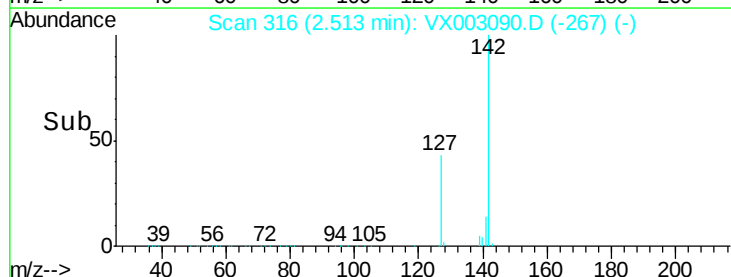
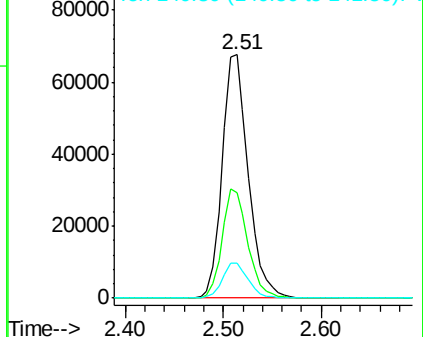
141 14.3 11.3 16.9

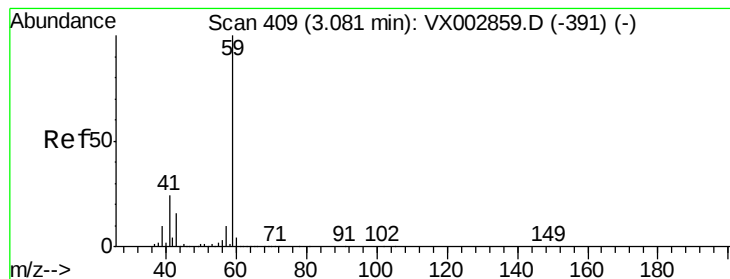


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 233.80 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

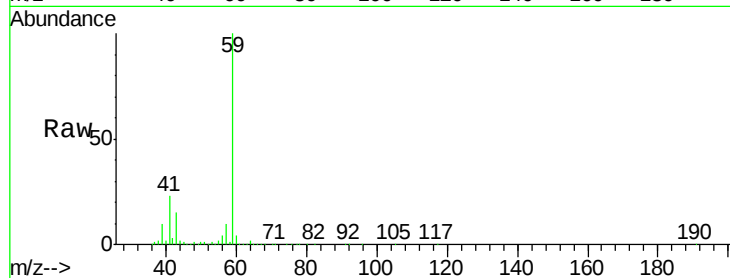
S73-0217MS

Tot Ion: 59 Resp: 172900

Ion Ratio Lower Upper

59 100

57 10.5 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.08

80000

60000

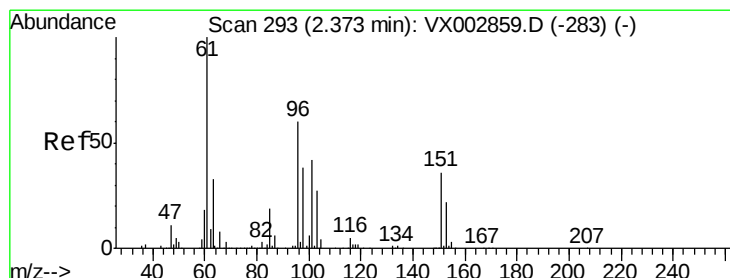
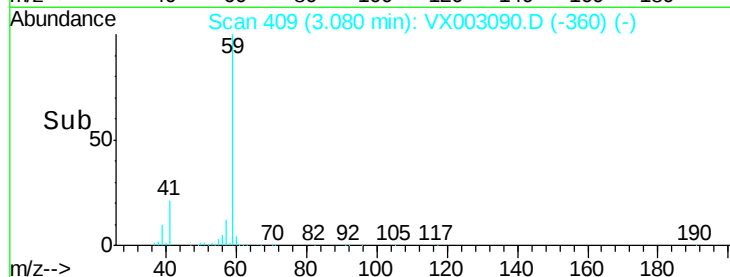
40000

20000

0

Time-->

2.90 3.00 3.10



#12

1,1-Dichloroethene

Concen: 49.10 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

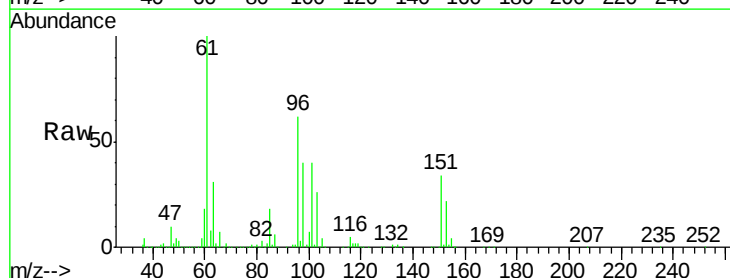
Tgt Ion: 96 Resp: 130053

Ion Ratio Lower Upper

96 100

61 161.1 137.9 206.9

98 65.1 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

2.37

150000

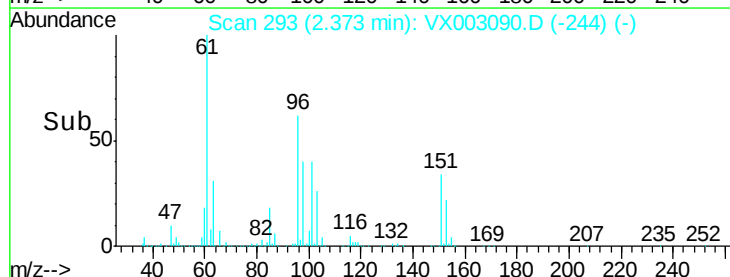
100000

50000

0

Time-->

2.30 2.40 2.50





#13

Acrolein

Concen: 162.42 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

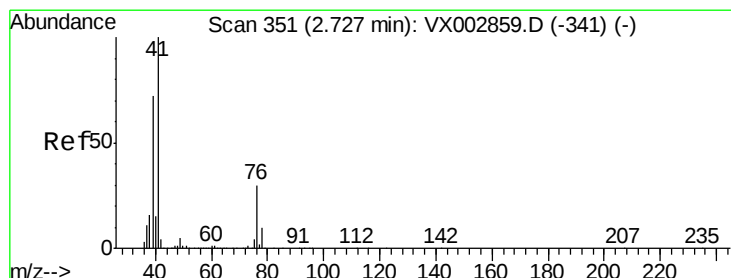
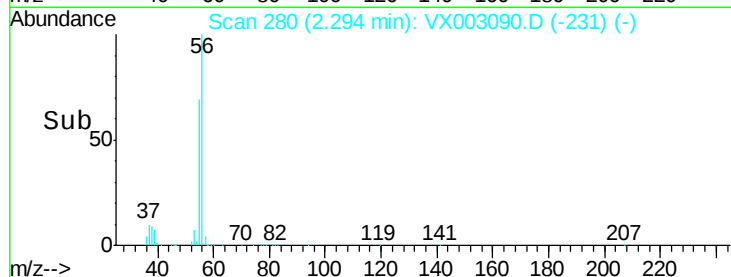
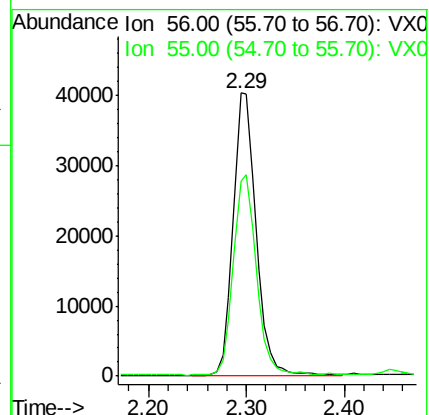
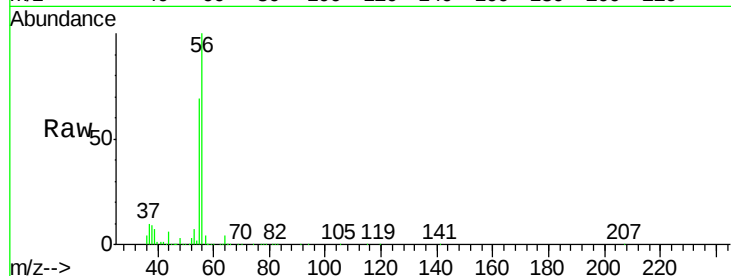
S73-0217MS

Tot Ion: 56 Resp: 65972

Ion Ratio Lower Upper

56 100

55 70.9 57.0 85.4



#14

Allyl chloride

Concen: 48.46 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

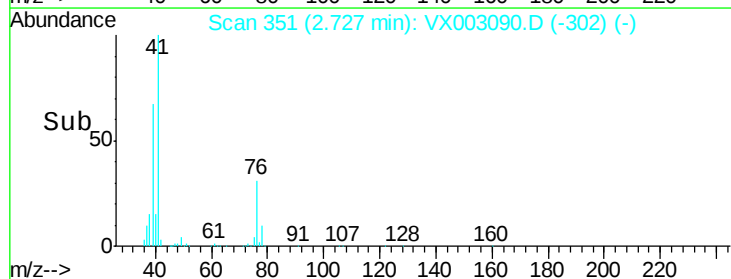
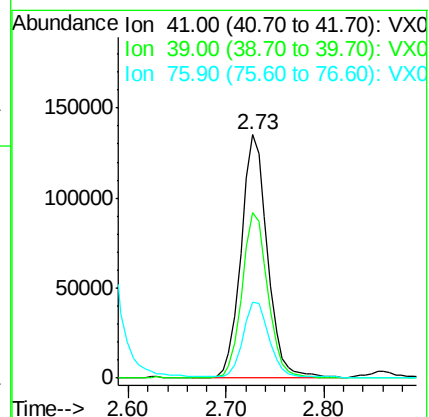
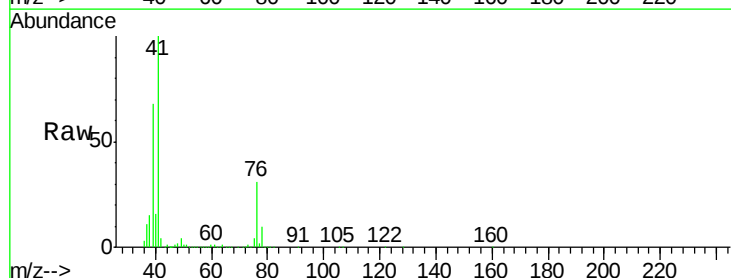
Tgt Ion: 41 Resp: 253048

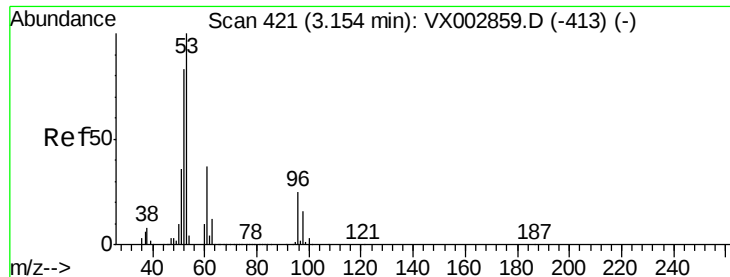
Ion Ratio Lower Upper

41 100

39 66.3 56.8 85.2

76 30.8 23.8 35.8





#15

Acrylonitrile

Concen: 259.51 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampled :

S73-0217MS

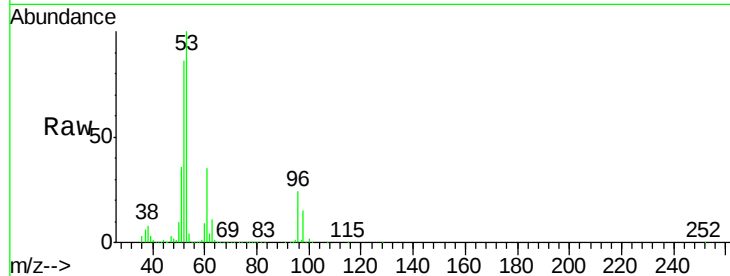
Tot Ion: 53 Resp: 409922

Ion Ratio Lower Upper

53 100

52 83.6 66.7 100.1

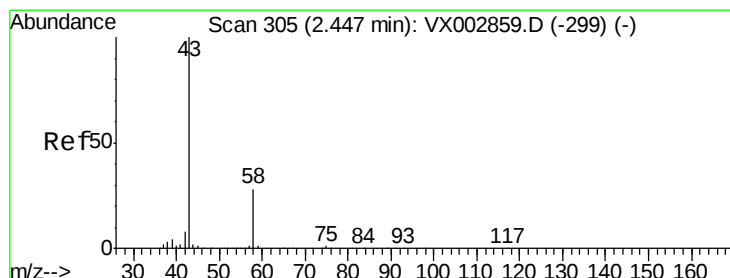
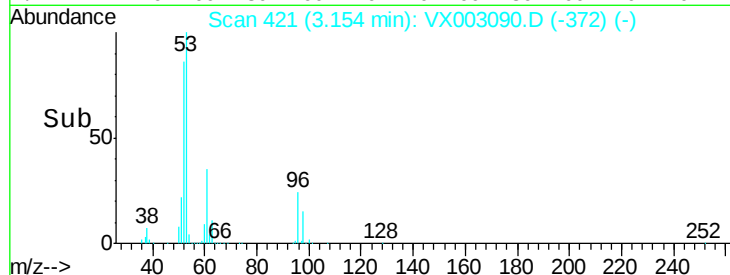
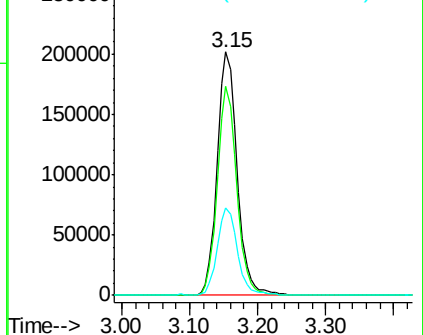
51 36.5 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 238.50 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003090.D

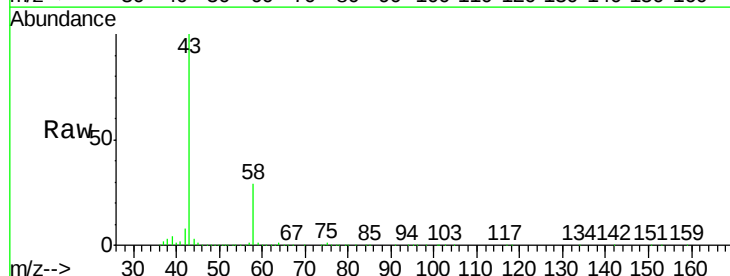
Acq: 30 Jun 2018 20:16

Tgt Ion: 43 Resp: 366670

Ion Ratio Lower Upper

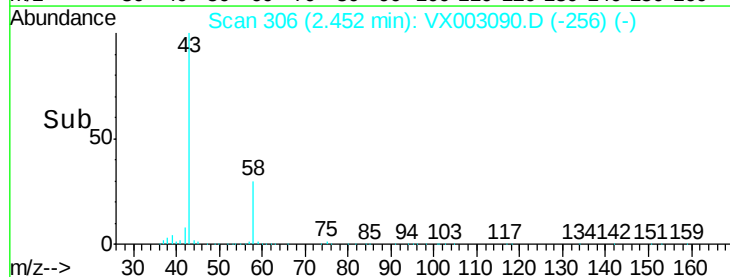
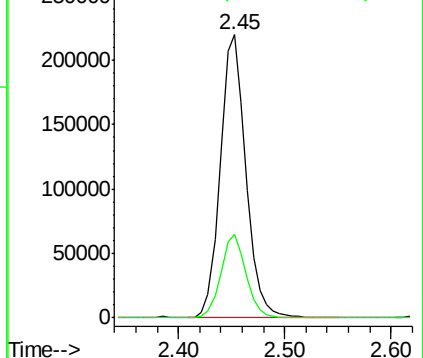
43 100

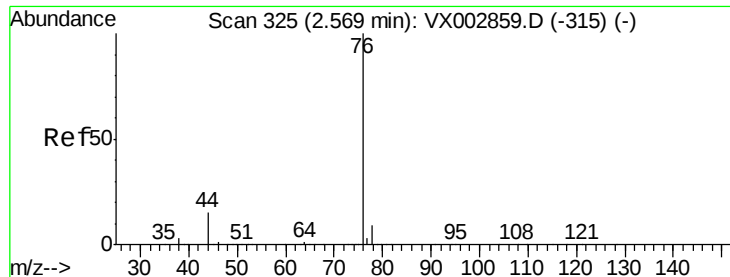
58 29.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

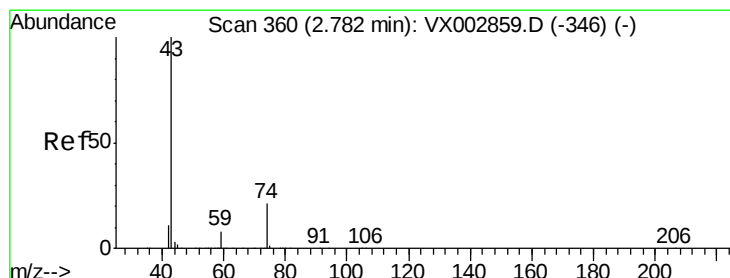
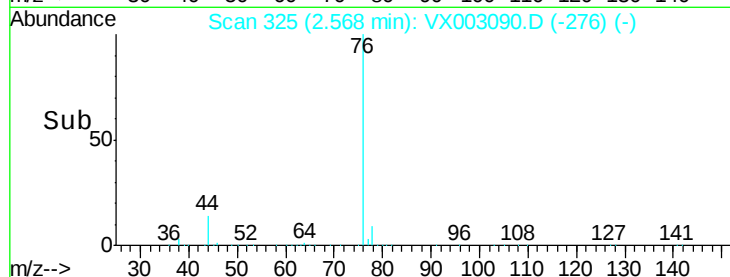
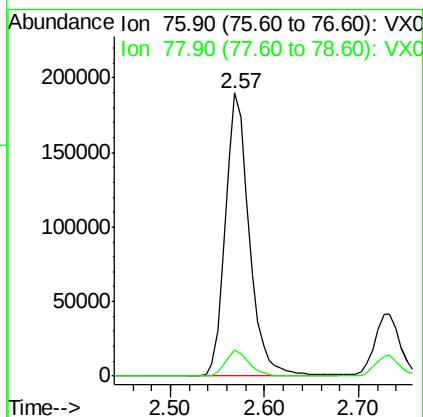
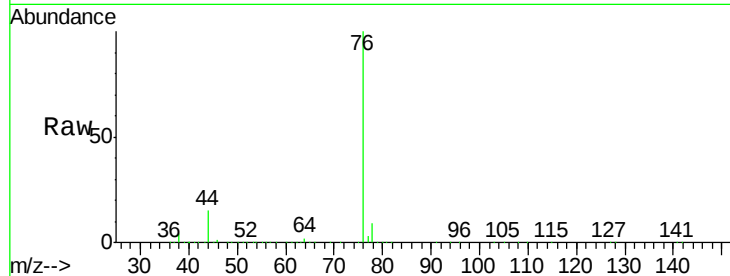




#17
Carbon Disulfide
Concen: 47.52 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

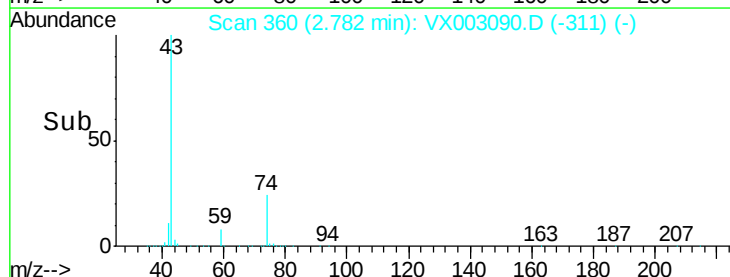
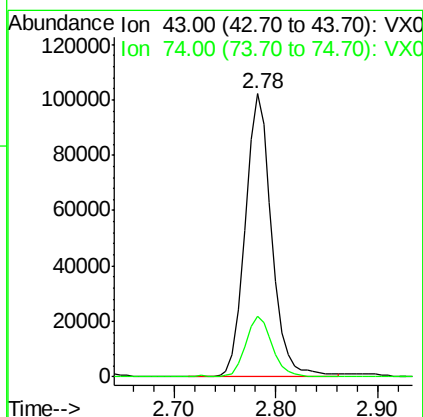
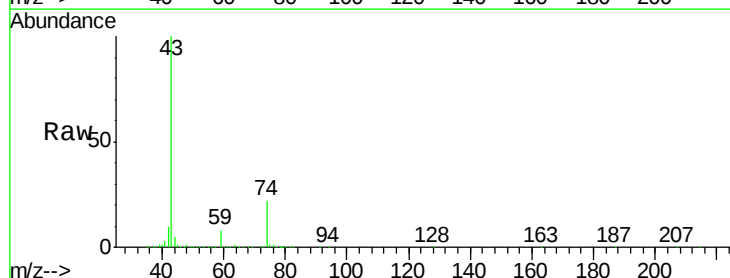
Instrument :
MSVOA_X
ClientSampleId :
S73-0217MS

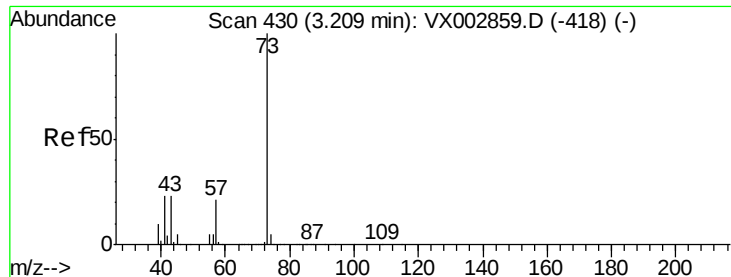
Tot Ion: 76 Resp: 335370
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#18
Methyl Acetate
Concen: 42.46 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

Tgt Ion: 43 Resp: 182519
Ion Ratio Lower Upper
43 100
74 21.3 16.7 25.1



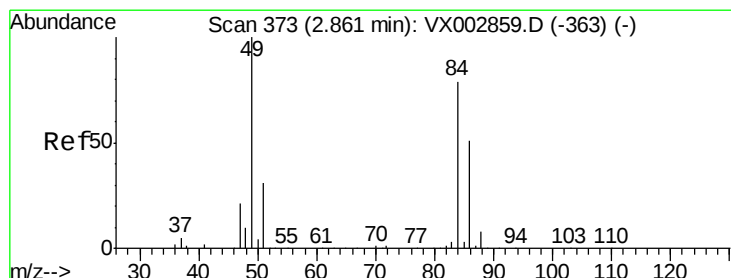
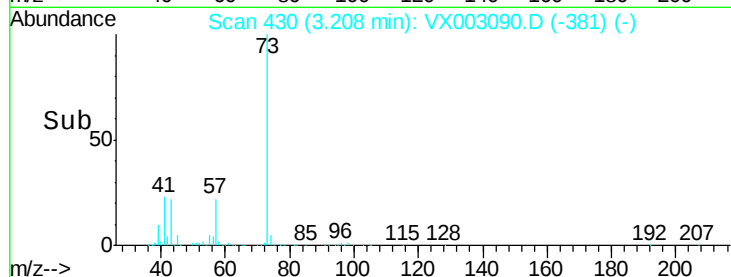
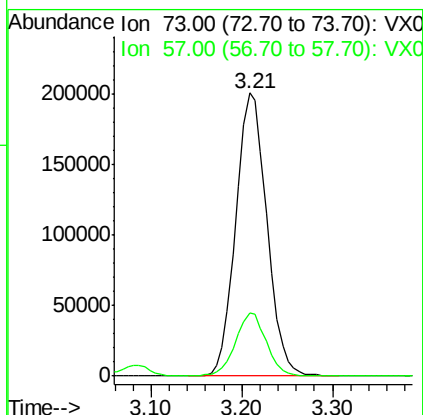
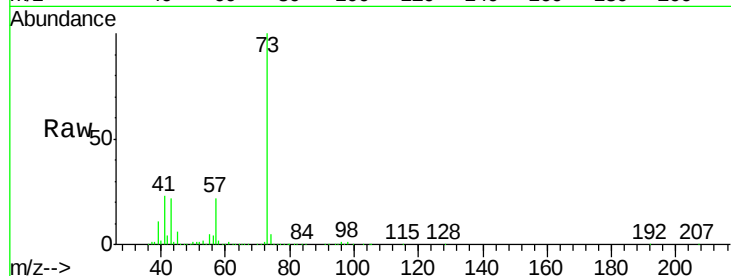


#19

Methyl tert-butyl Ether
 Concen: 50.11 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MS

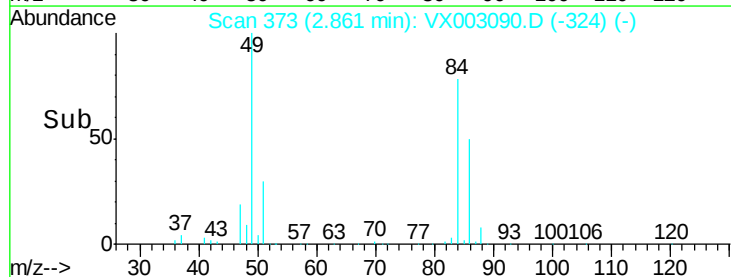
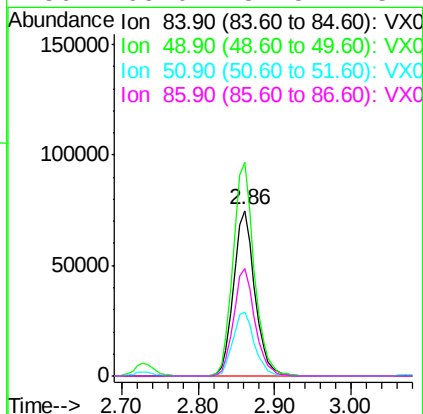
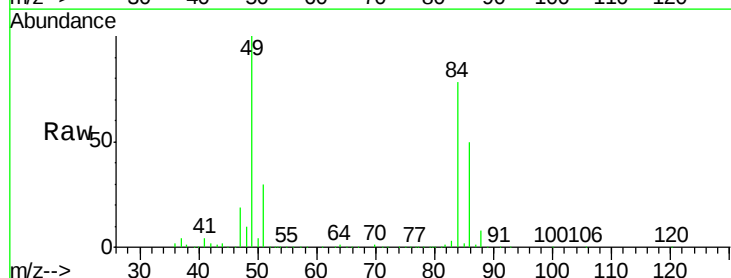
Tot Ion: 73 Resp: 477144
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.7 26.5

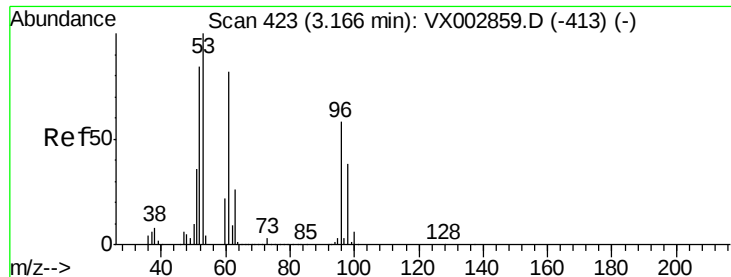


#20

Methylene Chloride
 Concen: 48.16 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

Tgt Ion: 84 Resp: 144079
 Ion Ratio Lower Upper
 84 100
 49 128.9 107.8 161.6
 51 38.8 32.8 49.2
 86 65.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 48.65 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampled :

S73-0217MS

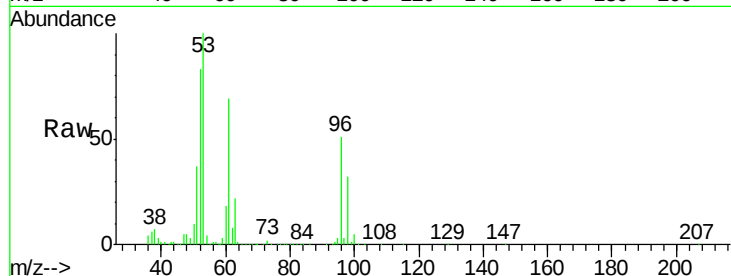
Tot Ion: 96 Resp: 140365

Ion Ratio Lower Upper

96 100

61 134.8 117.0 175.4

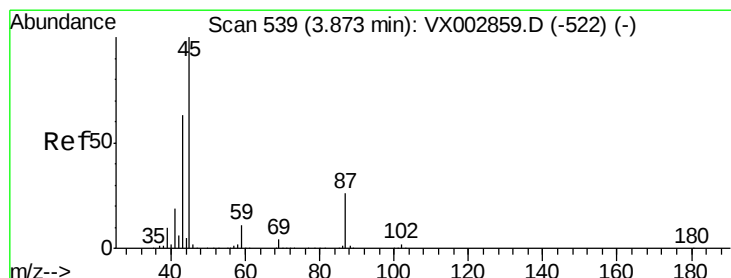
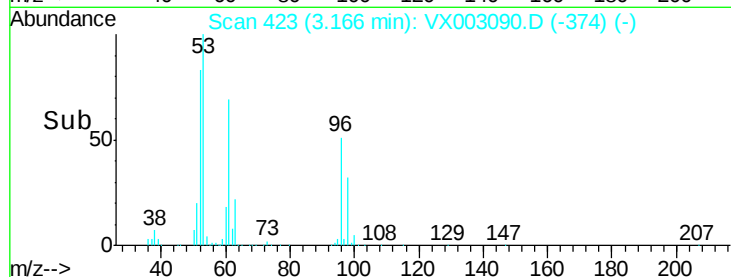
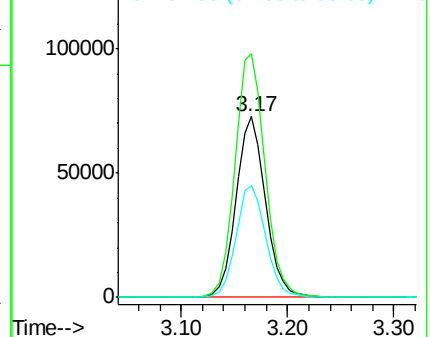
98 61.8 52.4 78.6



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: 51.11 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Tgt Ion: 45 Resp: 510094

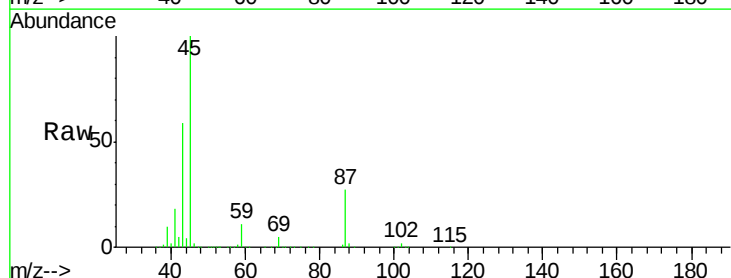
Ion Ratio Lower Upper

45 100

43 58.7 46.8 70.2

87 26.9 20.2 30.4

59 10.9 8.7 13.1

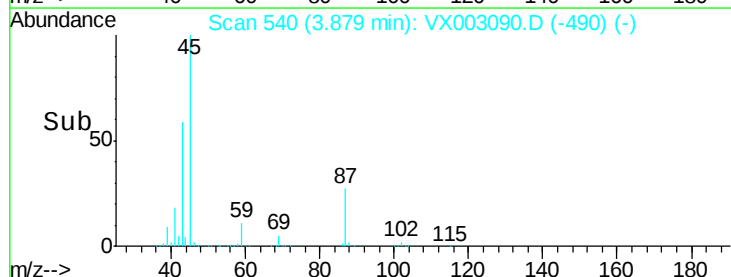
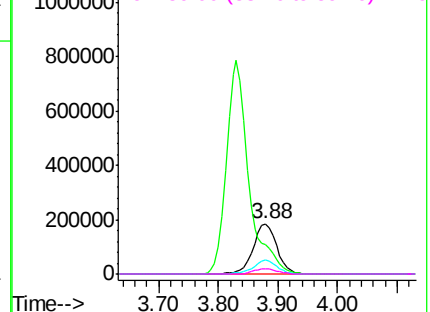


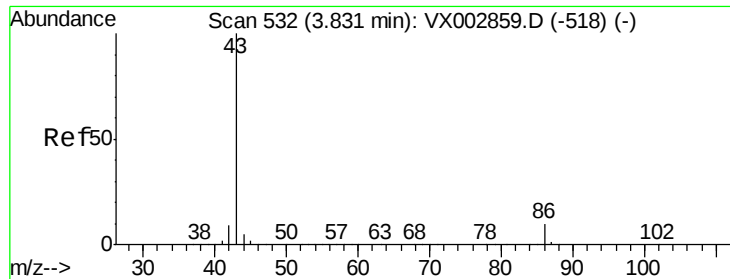
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 242.01 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

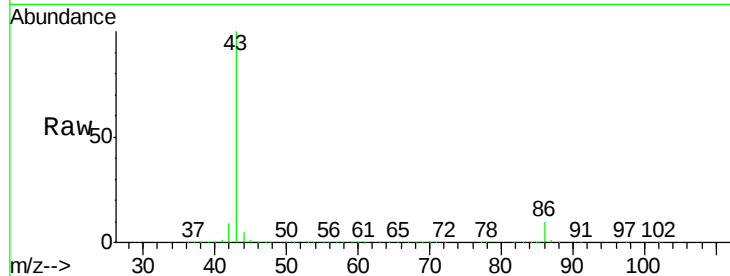
S73-0217MS

Tot Ion: 43 Resp: 2045301

Ion Ratio Lower Upper

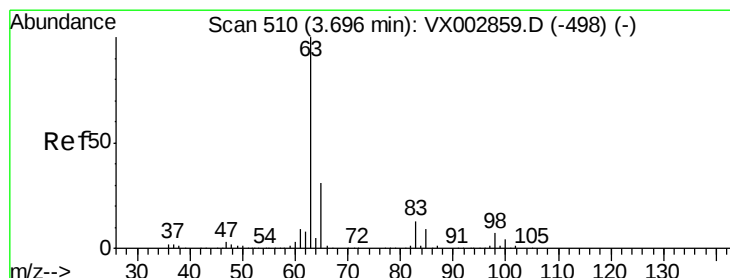
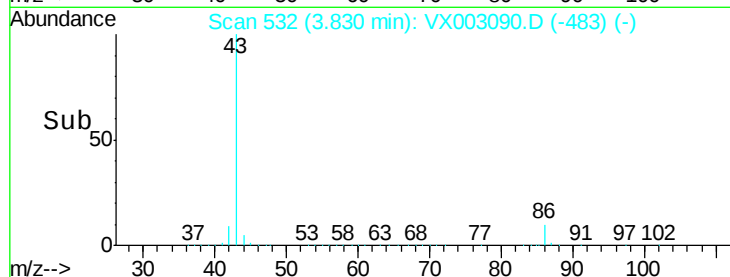
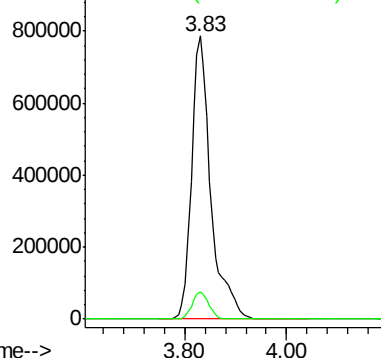
43 100

86 9.6 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.49 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

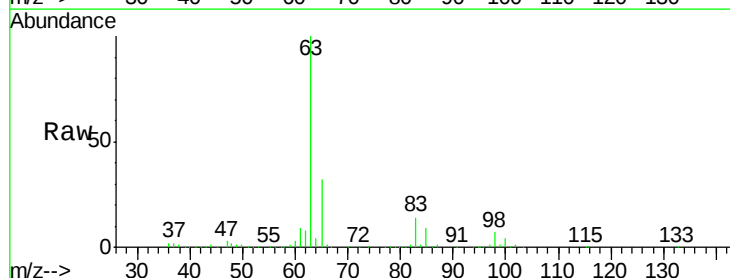
Tgt Ion: 63 Resp: 268453

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

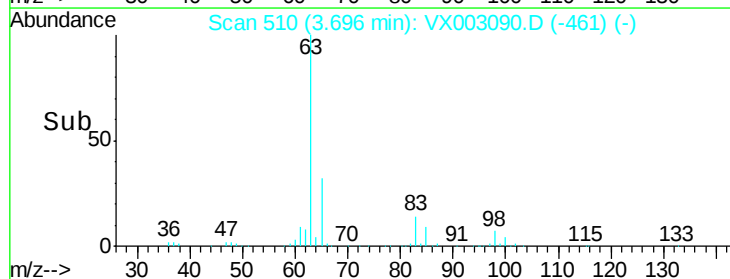
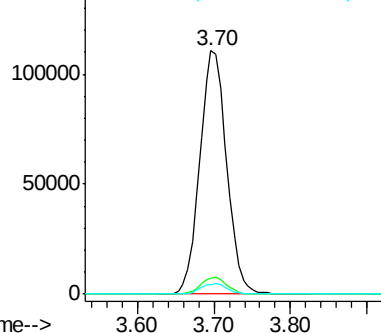
100 4.0 2.0 6.0

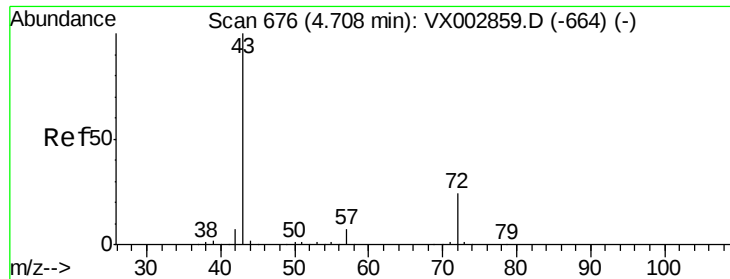


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 264.76 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

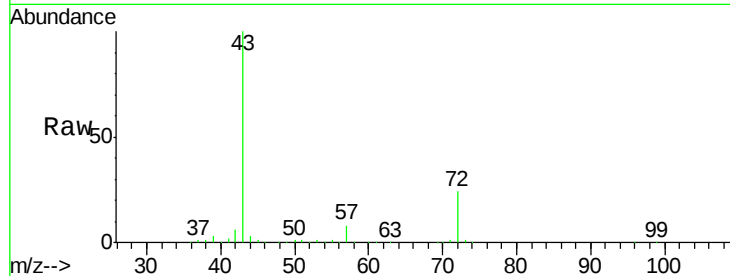
S73-0217MS

Tot Ion: 43 Resp: 604077

Ion Ratio Lower Upper

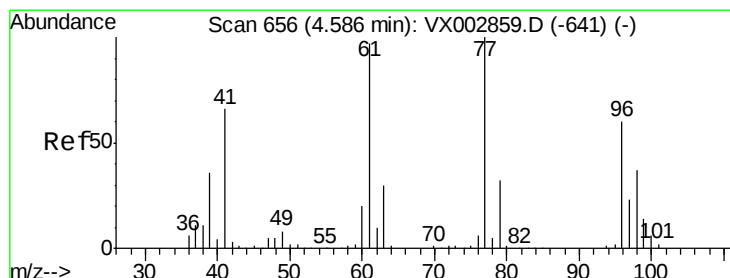
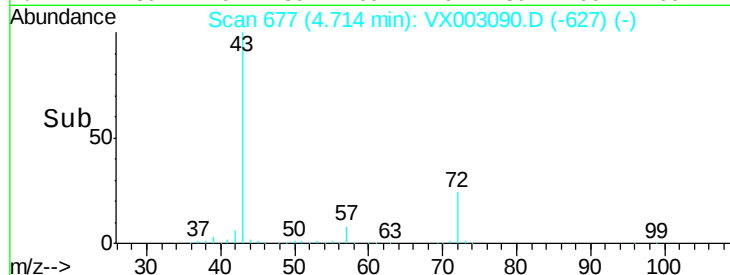
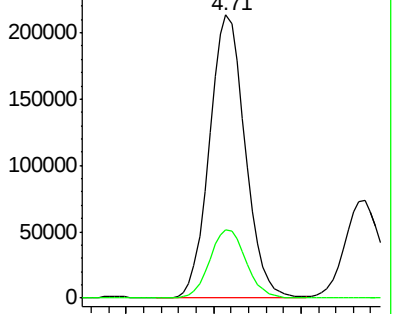
43 100

72 24.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 38.57 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003090.D

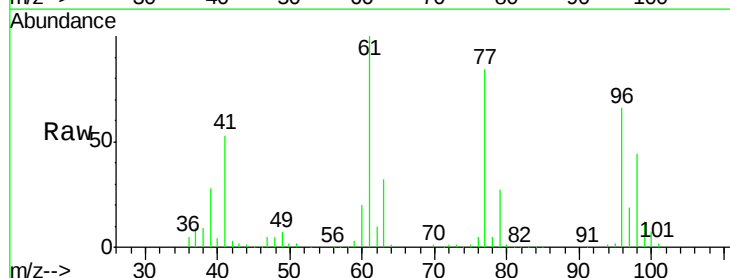
Acq: 30 Jun 2018 20:16

Tgt Ion: 77 Resp: 170129

Ion Ratio Lower Upper

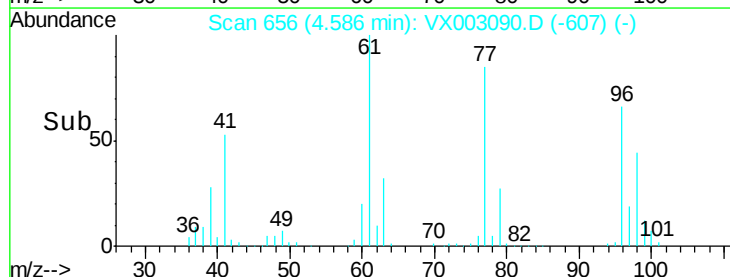
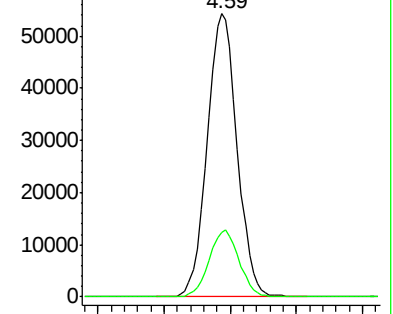
77 100

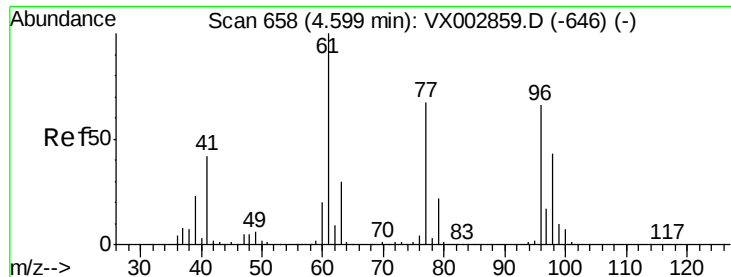
97 23.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 53.01 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampled :

S73-0217MS

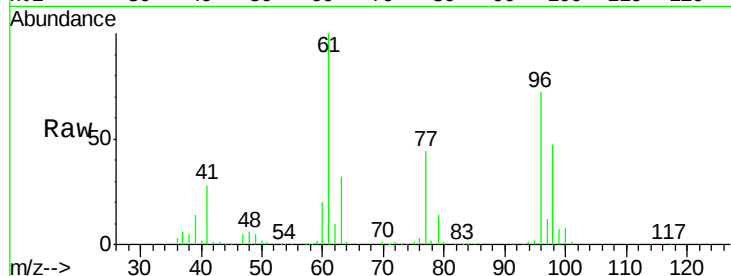
Tot Ion: 96 Resp: 171471

Ion Ratio Lower Upper

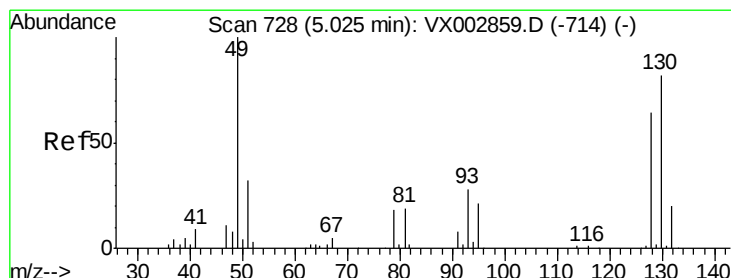
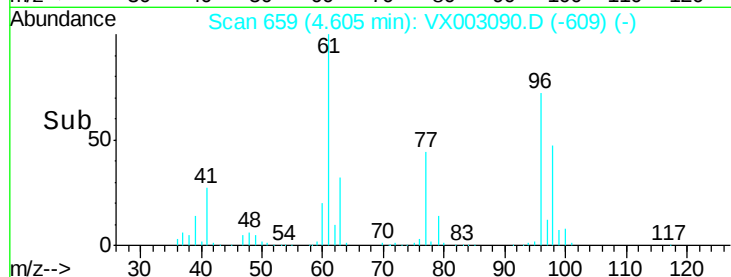
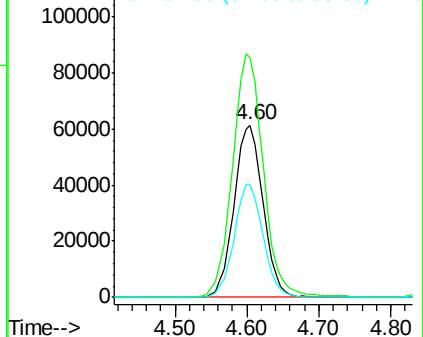
96 100

61 151.0 0.0 330.2

98 65.4 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: 49.26 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

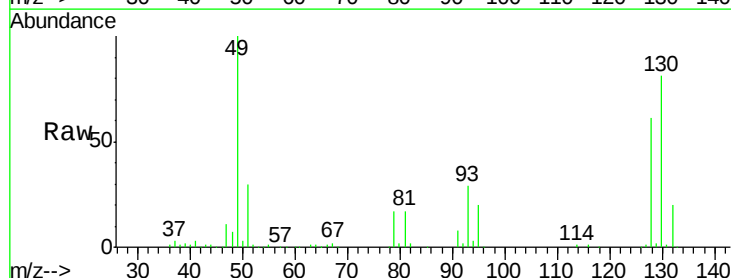
Tgt Ion: 49 Resp: 127914

Ion Ratio Lower Upper

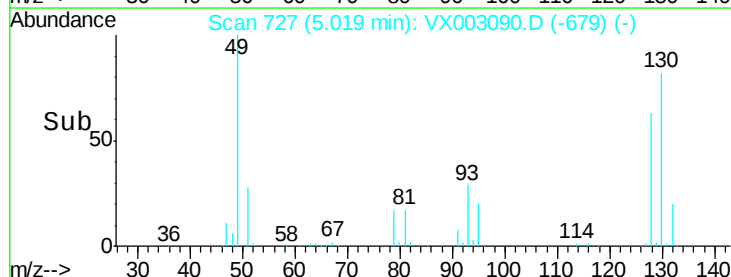
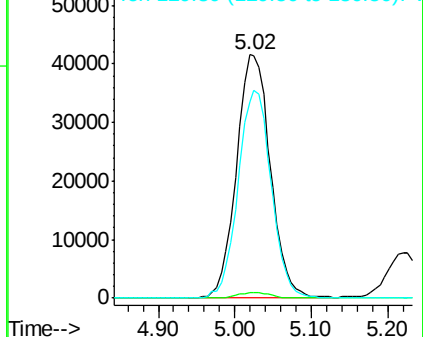
49 100

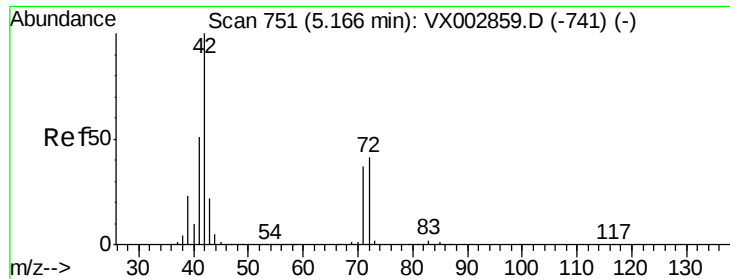
129 2.2 0.0 4.2

130 83.5 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

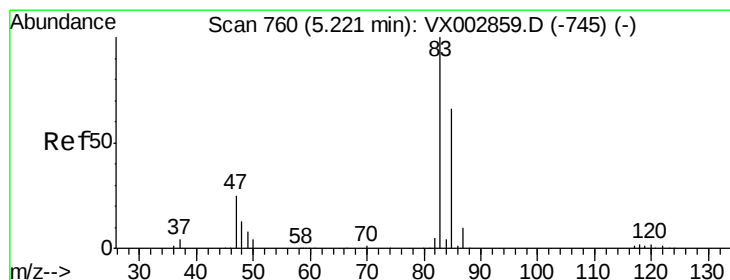
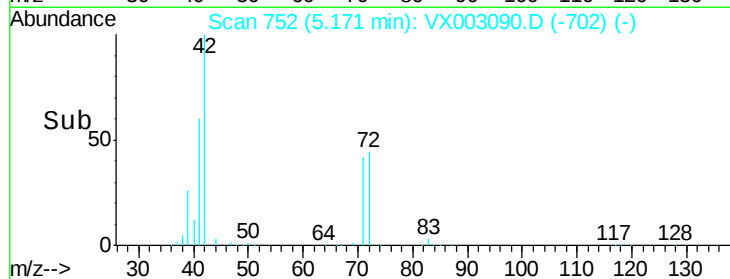
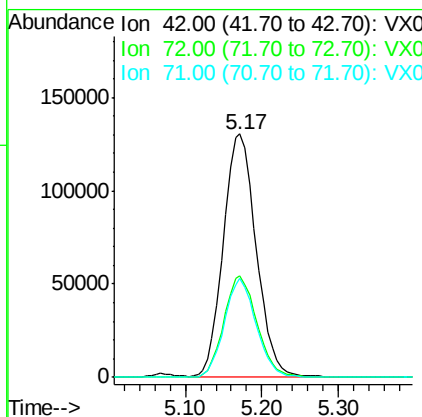
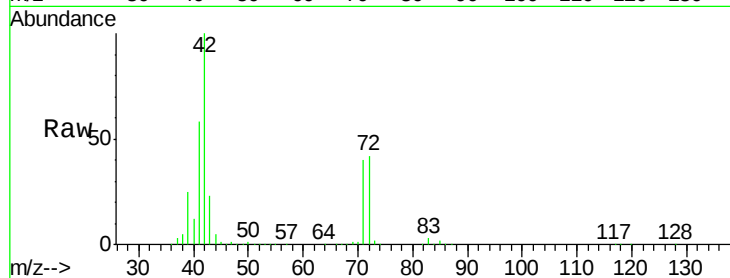




#29
Tetrahydrofuran
Concen: 264.85 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

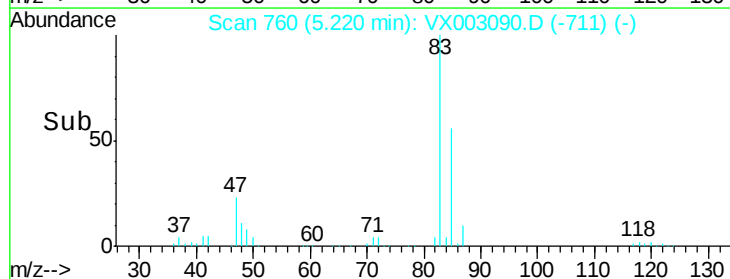
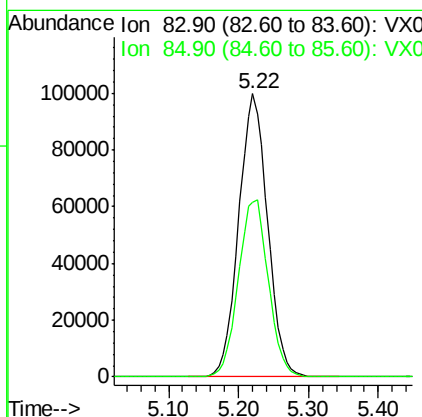
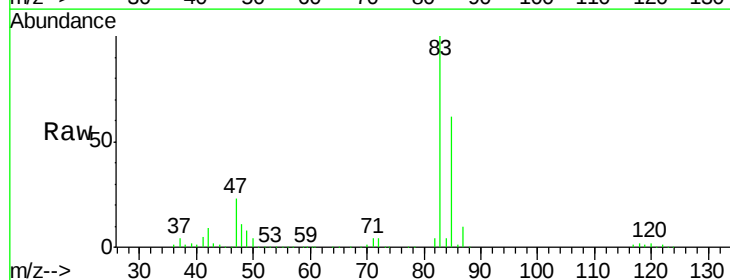
Instrument :
MSVOA_X
ClientSampleId :
S73-0217MS

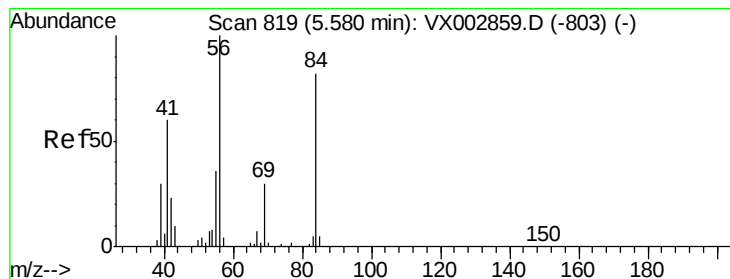
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	32.0	48.0
71	39.4	30.1	45.1



#30
Chloroform
Concen: 51.38 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.4	75.6





#31

Cyclohexane

Concen: 49.90 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MS

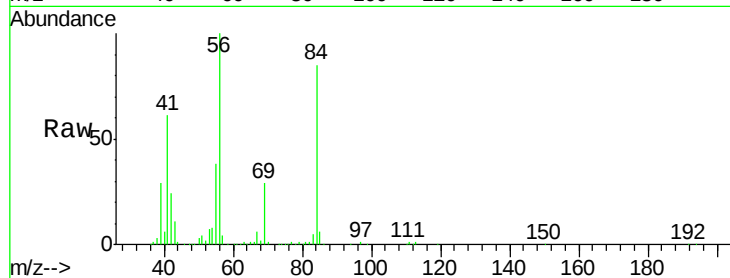
Tot Ion: 56 Resp: 232330

Ion Ratio Lower Upper

56 100

69 28.6 23.7 35.5

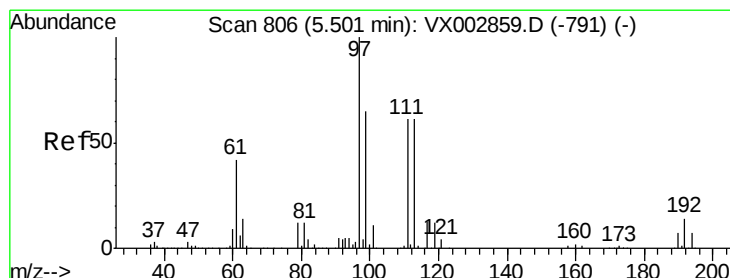
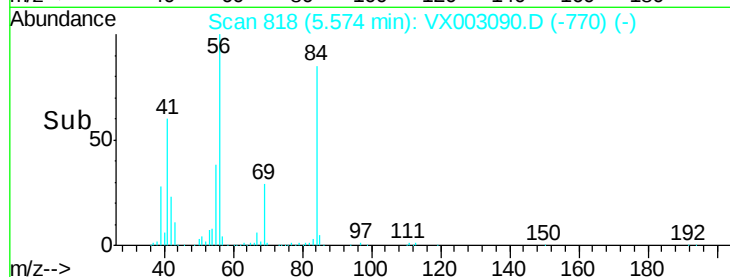
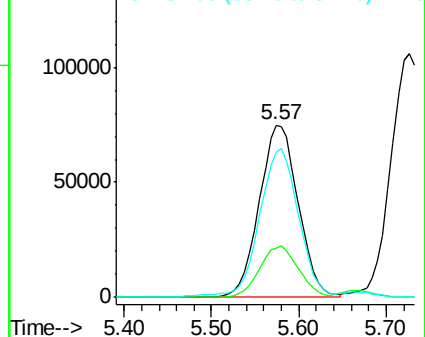
84 83.5 64.1 96.1



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: 51.68 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

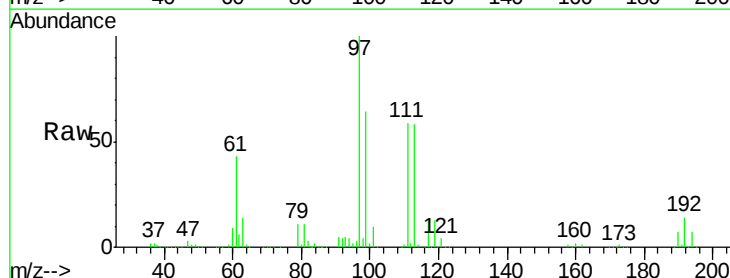
Tgt Ion: 97 Resp: 253129

Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

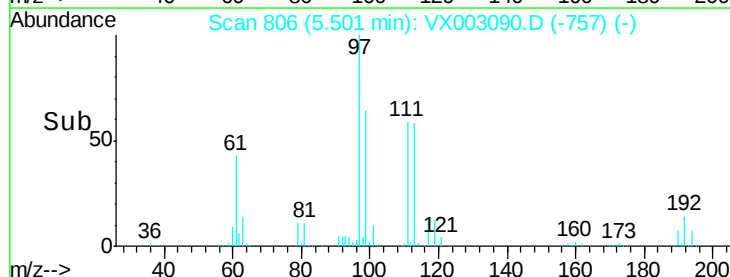
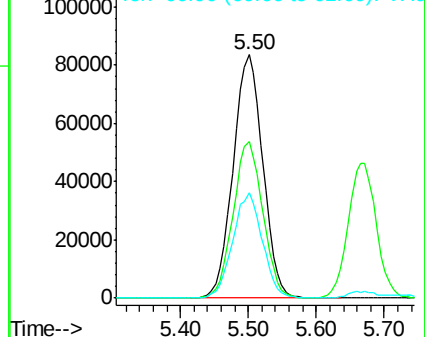
61 43.0 36.4 54.6



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

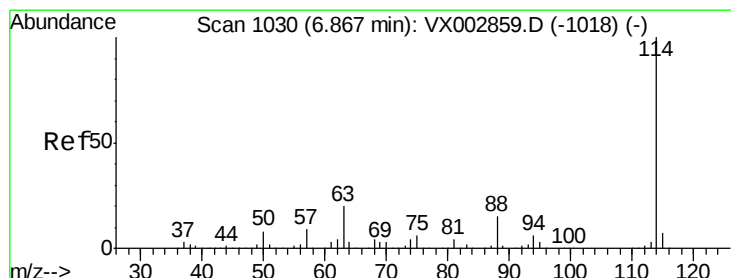
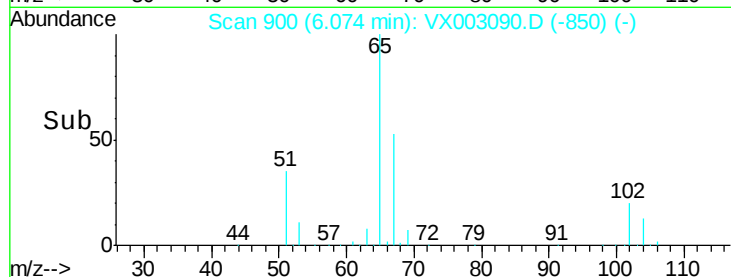
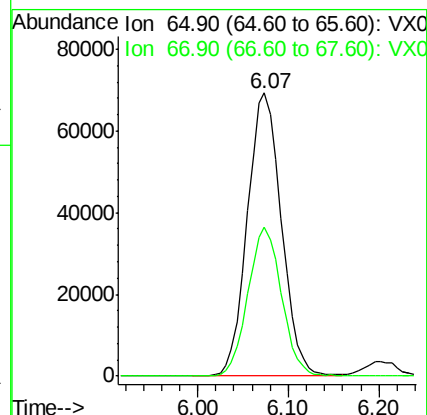
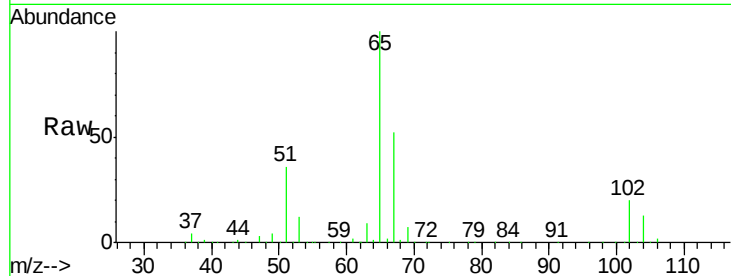




#33
 1,2-Dichloroethane-d4
 Concen: 48.51 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

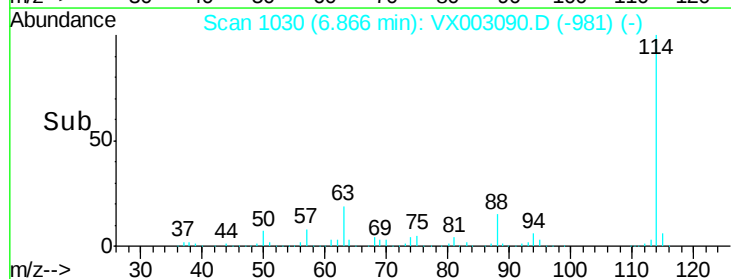
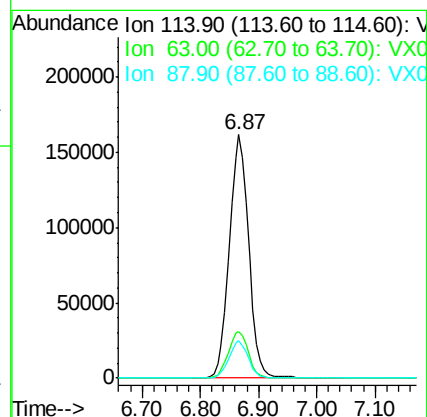
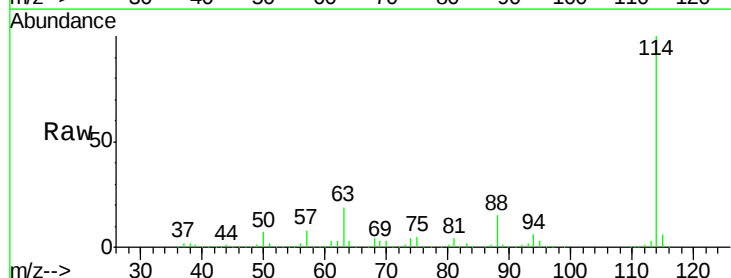
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MS

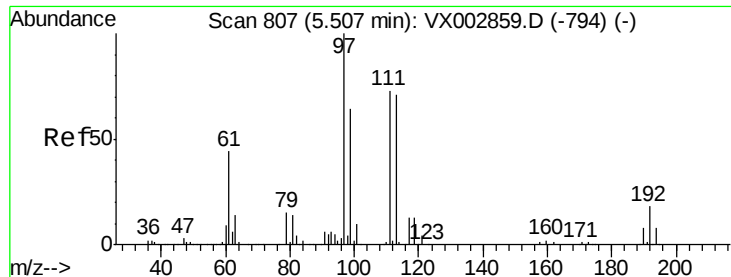
Tot Ion: 65 Resp: 180090
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

Tgt Ion: 114 Resp: 374899
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.4
 88 15.2 0.0 30.0

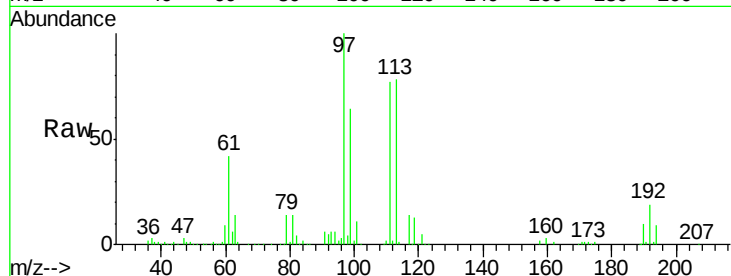




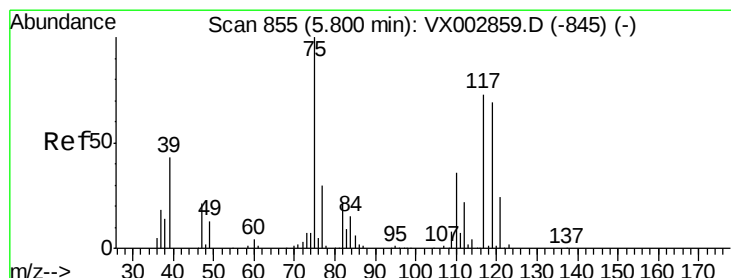
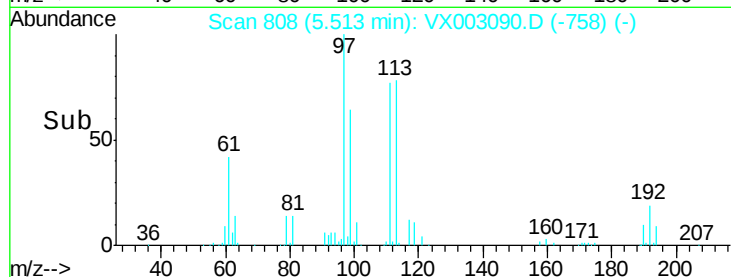
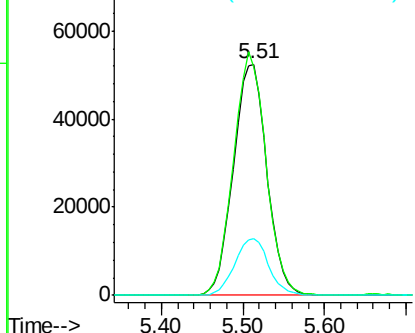
#35
Dibromofluoromethane
Concen: 50.27 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

Instrument :
MSVOA_X
ClientSampled :
S73-0217MS

Tot Ion:113 Resp: 149253
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.0
192 24.7 19.1 28.7

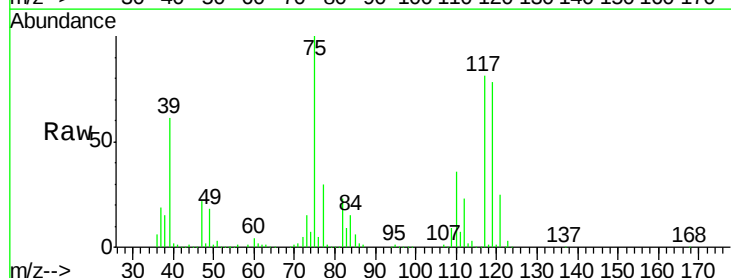


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

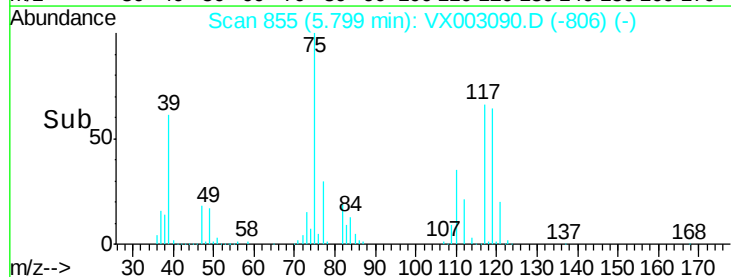
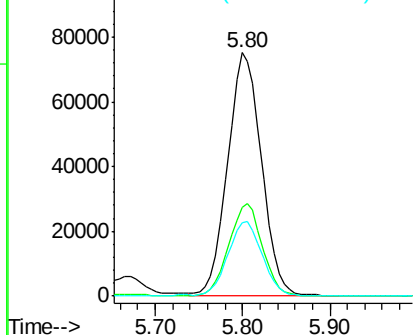


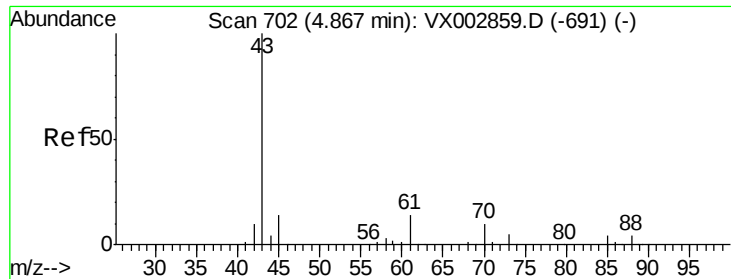
#36
1,1-Dichloropropene
Concen: 48.89 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

Tgt Ion: 75 Resp: 201016
Ion Ratio Lower Upper
75 100
110 37.9 18.1 54.4
77 31.0 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: 48.55 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.01 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampled :

S73-0217MS

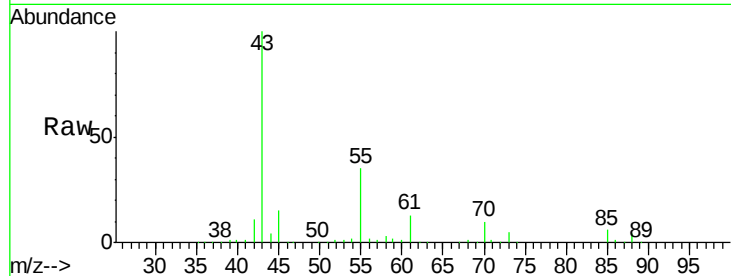
Tot Ion: 43 Resp: 214928

Ion Ratio Lower Upper

43 100

61 13.3 10.4 15.6

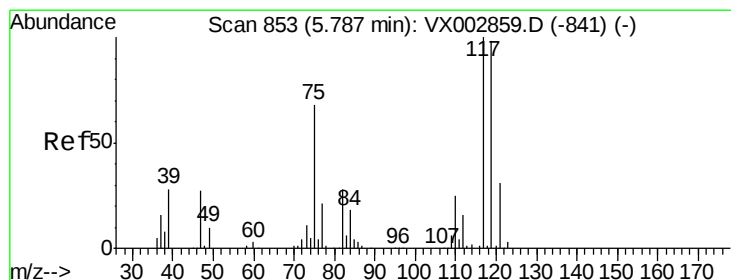
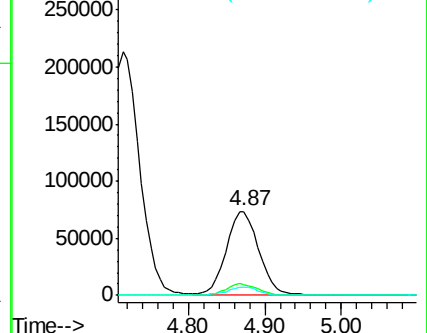
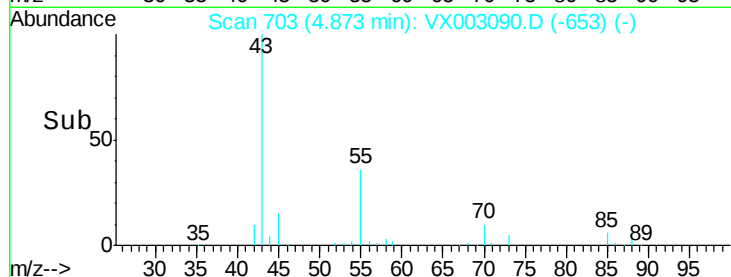
70 10.1 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 49.74 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

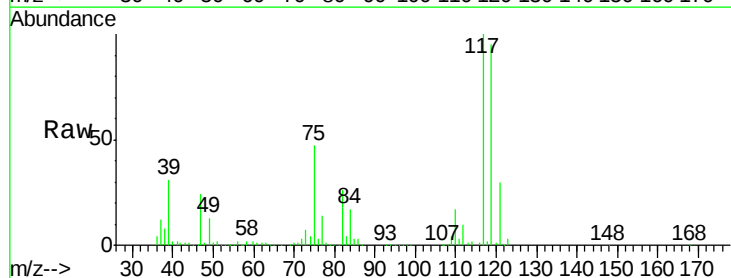
Tgt Ion: 117 Resp: 224394

Ion Ratio Lower Upper

117 100

119 94.7 77.4 116.0

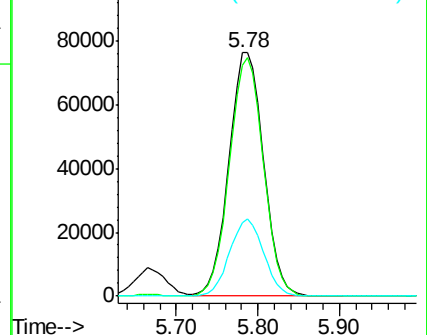
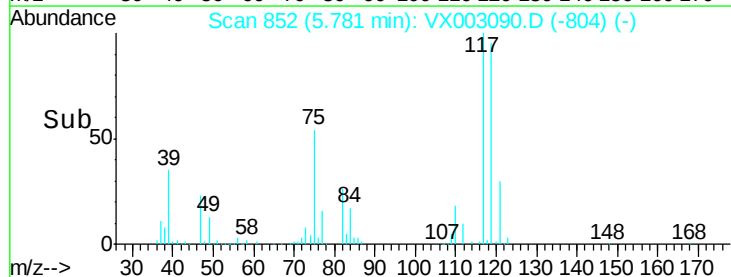
121 29.9 24.4 36.6

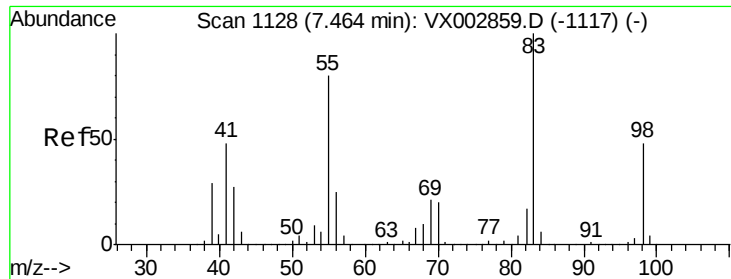


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

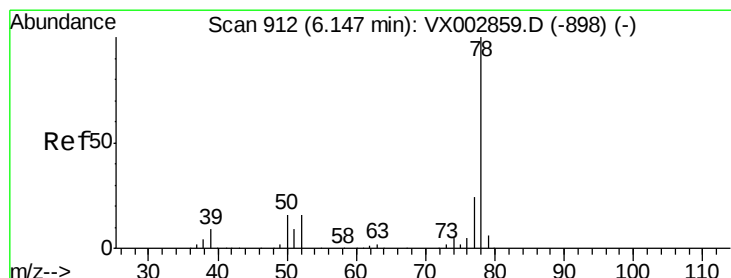
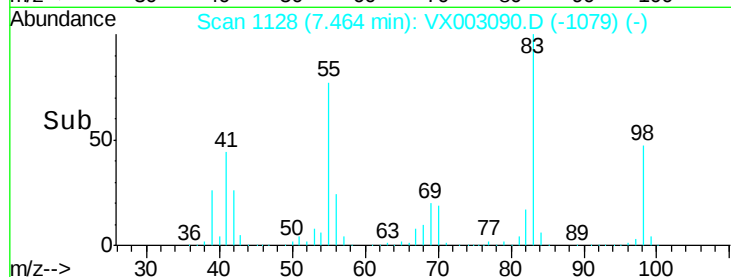
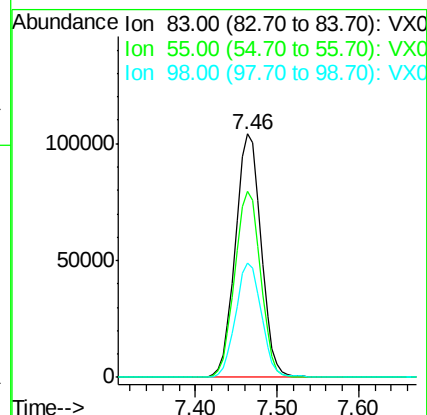
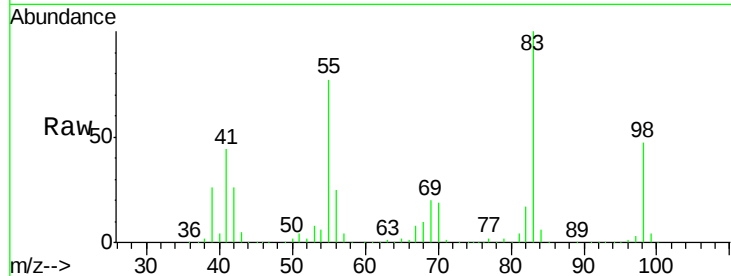




#39
Methvlcvclohexane
Concen: 47.20 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

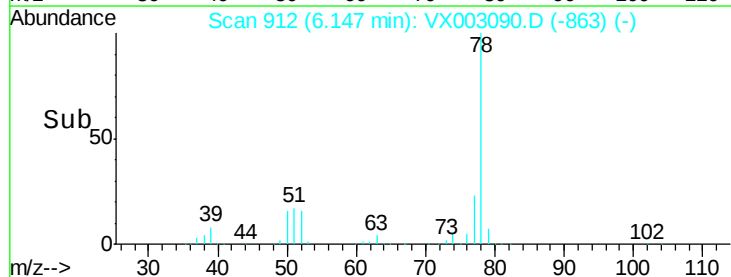
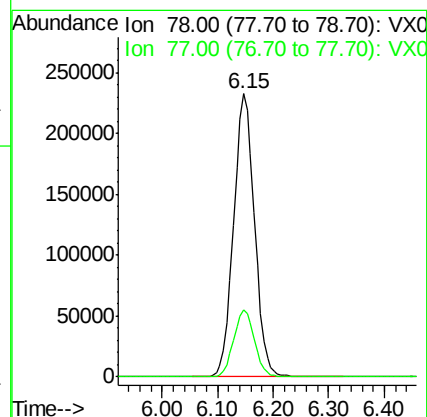
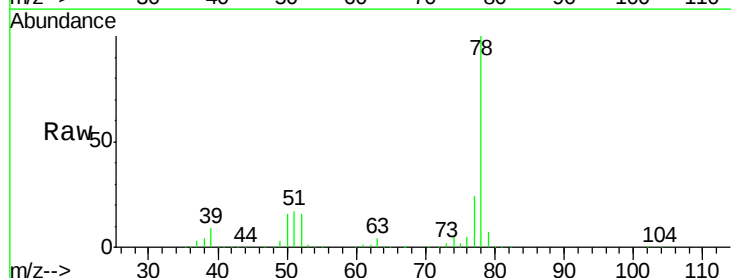
Instrument :
MSVOA_X
ClientSampled :
S73-0217MS

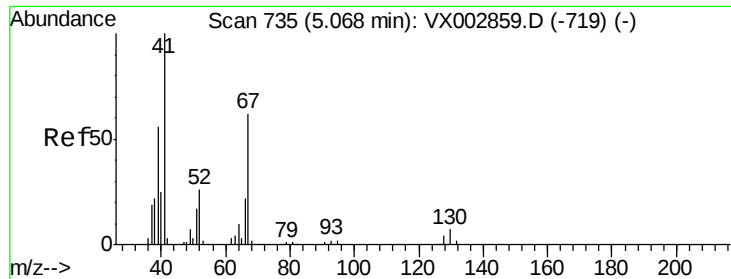
Tot Ion: 83 Resp: 226018
Ion Ratio Lower Upper
83 100
55 76.5 65.4 98.0
98 47.1 37.4 56.0



#40
Benzene
Concen: 50.65 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

Tgt Ion: 78 Resp: 605005
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

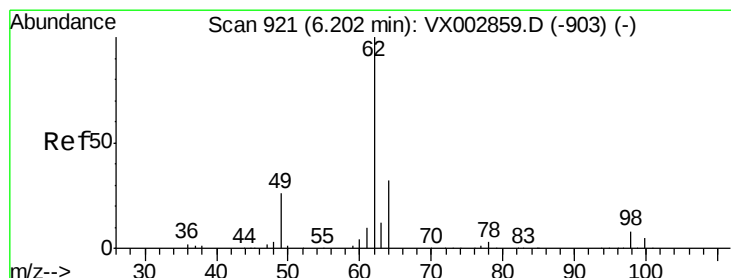
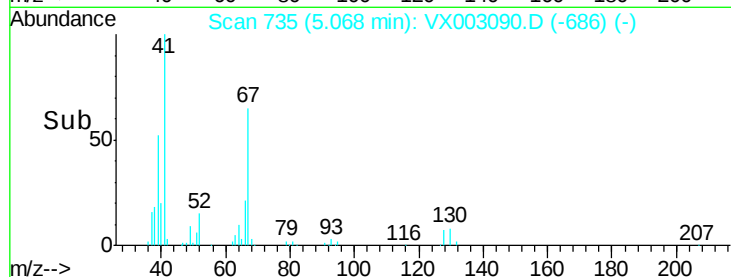
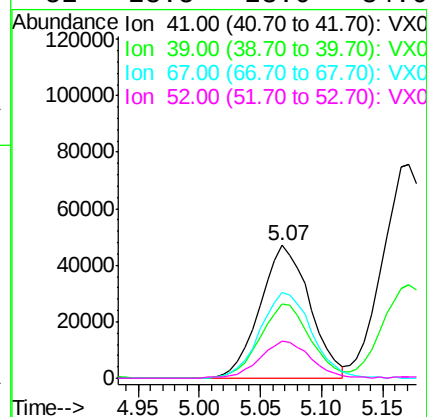
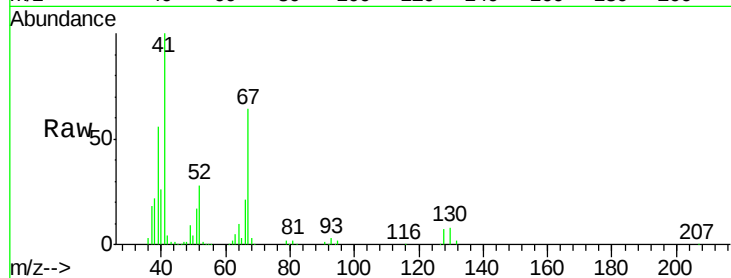




#41
Methacrylonitrile
Concen: 52.16 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

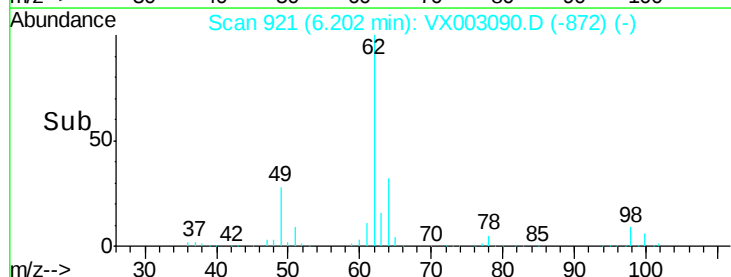
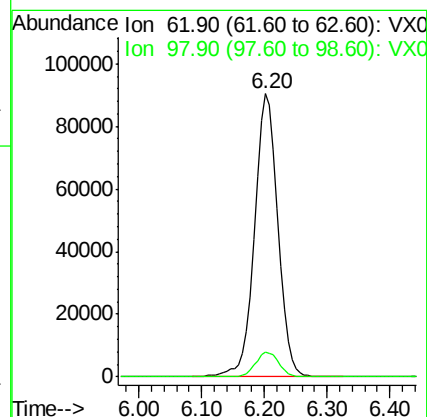
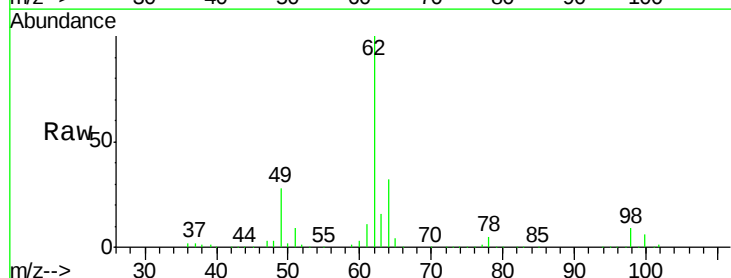
Instrument :
MSVOA_X
ClientSampleId :
S73-0217MS

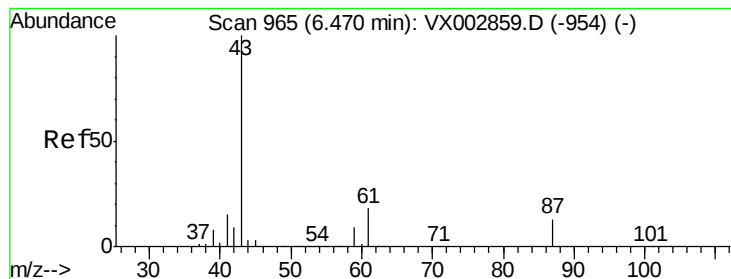
Tot Ion:	41	Resp:	132958
Ion	Ratio	Lower	Upper
41	100		
39	56.6	45.8	68.6
67	67.5	51.3	76.9
52	28.5	23.0	34.6



#42
1,2-Dichloroethane
Concen: 48.04 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

Tgt Ion:	62	Resp:	231827
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.6





#43

Isopropyl Acetate

Concen: 48.40 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MS

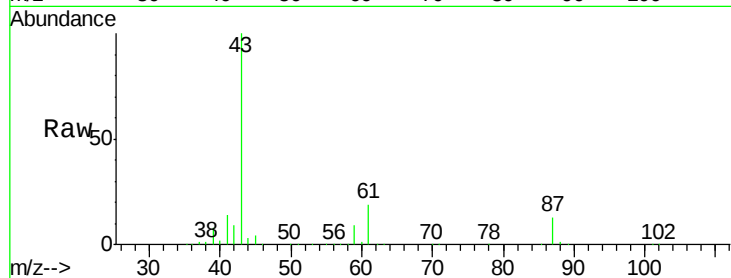
Tot Ion: 43 Resp: 359296

Ion Ratio Lower Upper

43 100

61 18.7 14.4 21.6

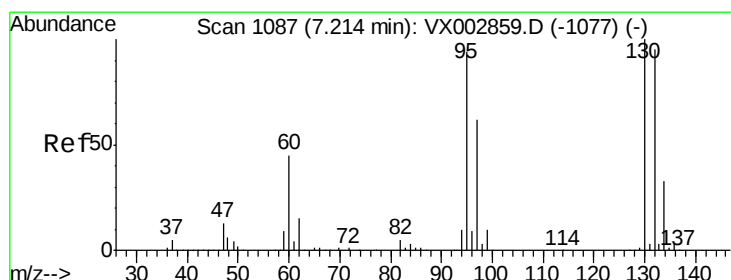
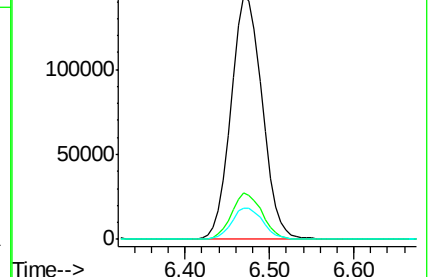
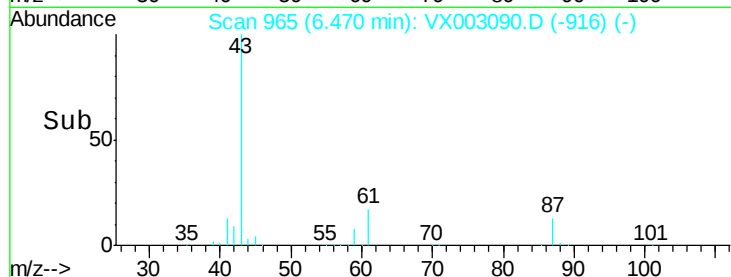
87 12.9 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VX002859.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VX002859.D (-954) (-)

Ion 87.00 (86.70 to 87.70): VX002859.D (-954) (-)



#44

Trichloroethene

Concen: 48.94 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003090.D

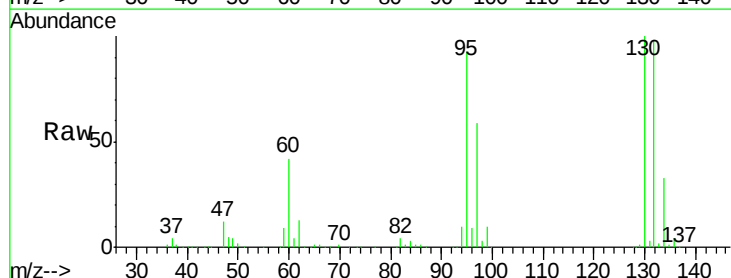
Acq: 30 Jun 2018 20:16

Tgt Ion:130 Resp: 174311

Ion Ratio Lower Upper

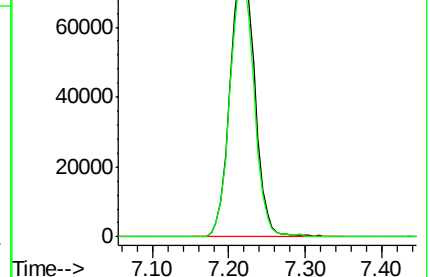
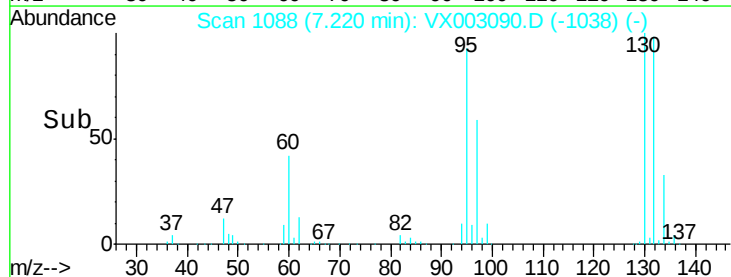
130 100

95 92.9 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VX002859.D (-1077) (-)

Ion 94.90 (94.60 to 95.60): VX002859.D (-1077) (-)

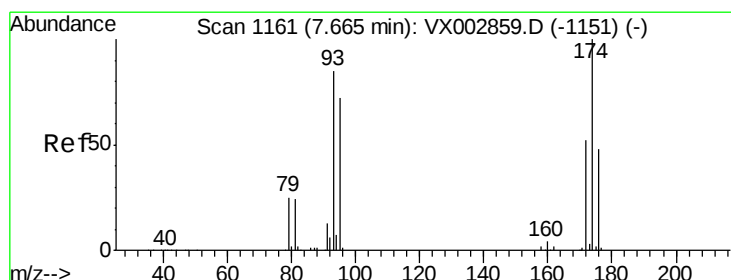
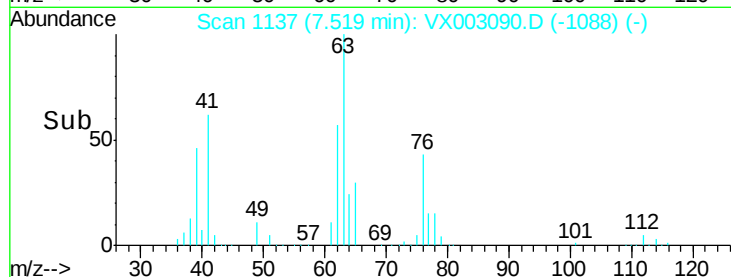
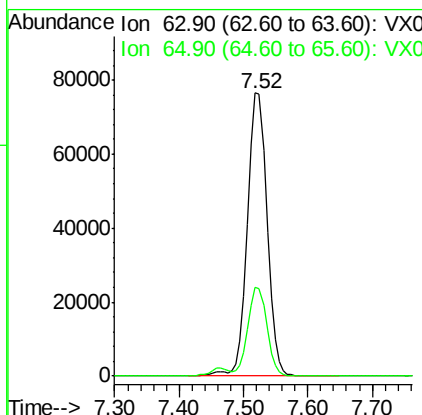
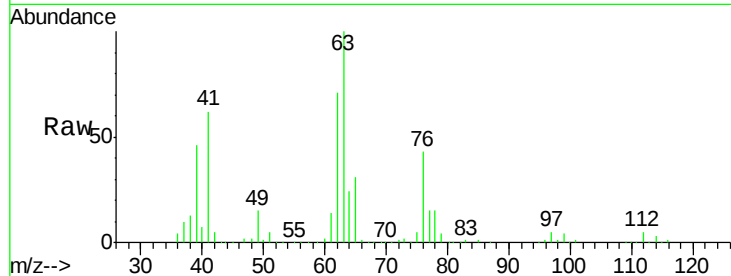




#45
 1,2-Dichloropropane
 Concen: 50.46 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

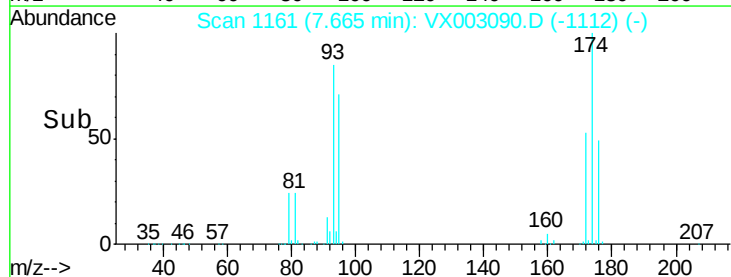
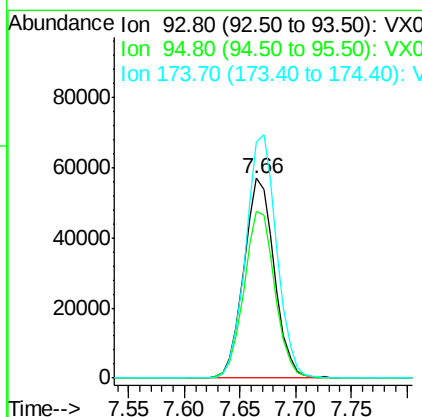
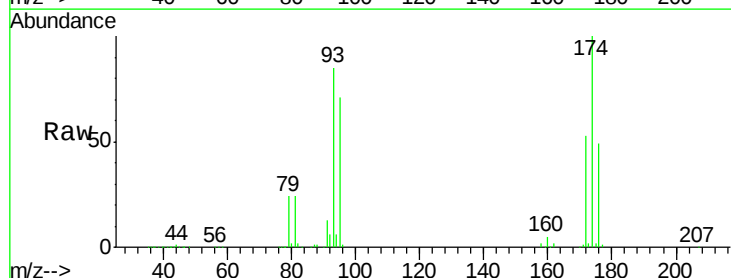
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MS

Tot Ion: 63 Resp: 159895
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1



#46
 Dibromomethane
 Concen: 49.35 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

Tgt Ion: 93 Resp: 108531
 Ion Ratio Lower Upper
 93 100
 95 84.7 65.9 98.9
 174 123.7 92.4 138.6





#47

Bromodichloromethane

Concen: 51.32 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MS

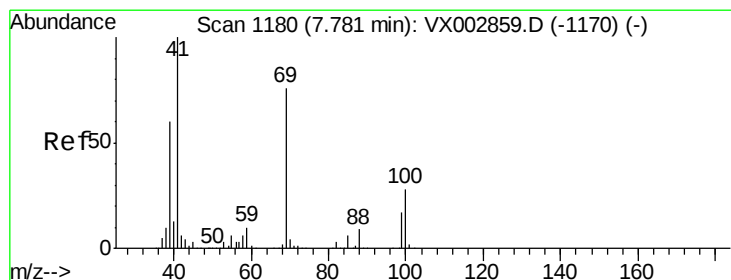
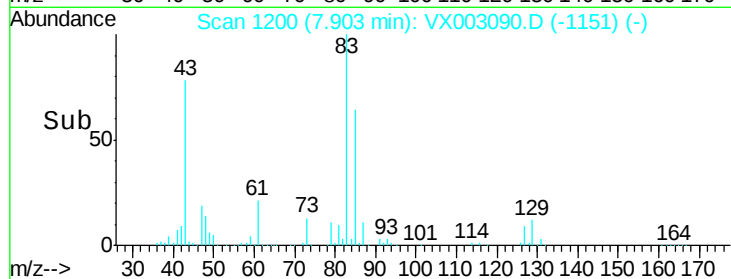
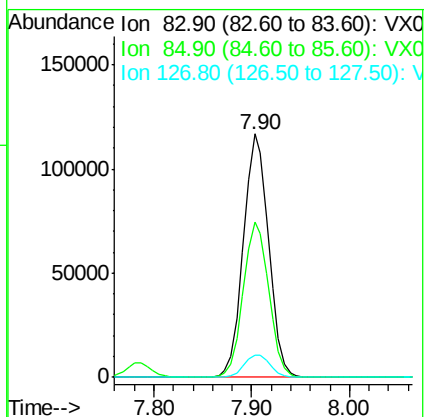
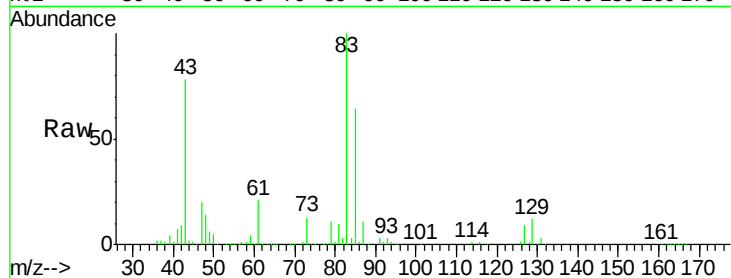
Tot Ion: 83 Resp: 208650

Ion Ratio Lower Upper

83 100

85 63.9 50.3 75.5

127 9.2 7.0 10.4



#48

Methyl methacrylate

Concen: 50.91 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

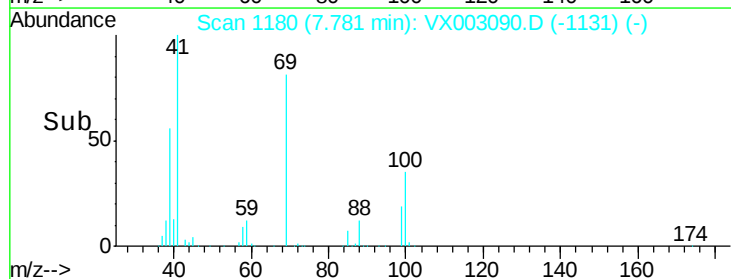
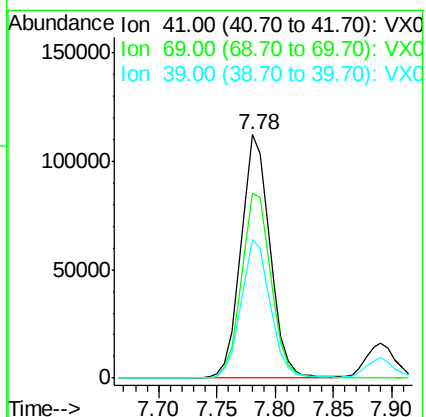
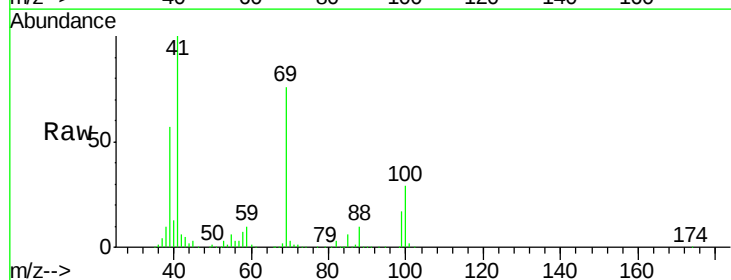
Tgt Ion: 41 Resp: 194751

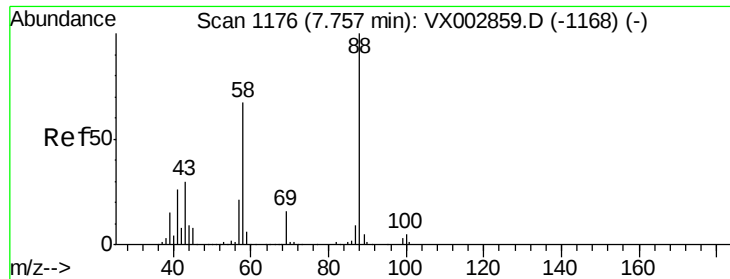
Ion Ratio Lower Upper

41 100

69 78.3 59.1 88.7

39 57.4 48.9 73.3





#49

1,4-Dioxane

Concen: 952.41 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MS

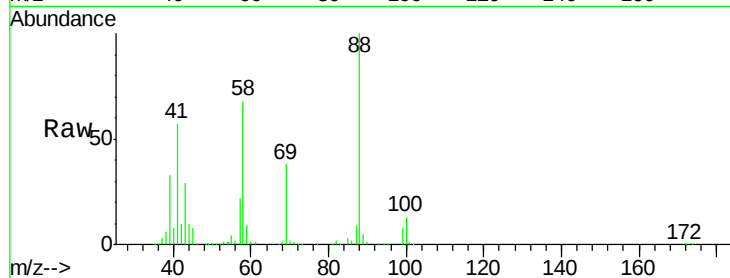
Tot Ion: 88 Resp: 70881

Ion Ratio Lower Upper

88 100

43 34.5 29.8 44.6

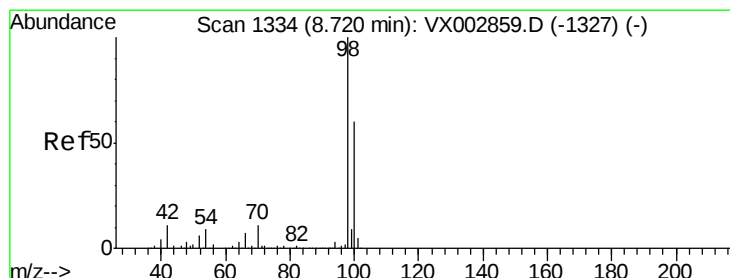
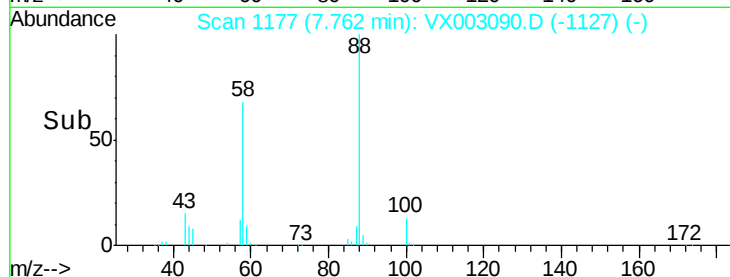
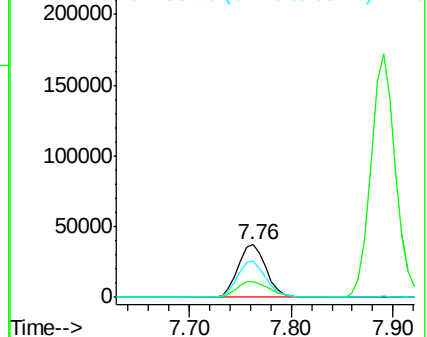
58 70.5 57.1 85.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.41 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003090.D

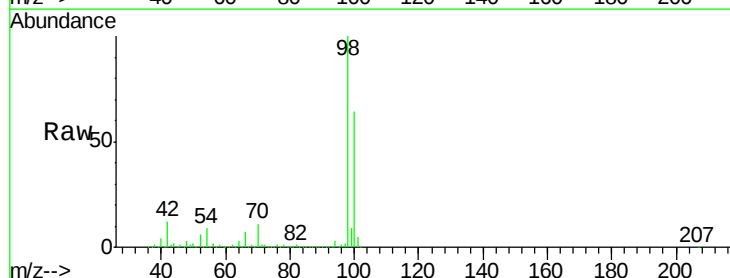
Acq: 30 Jun 2018 20:16

Tgt Ion: 98 Resp: 524817

Ion Ratio Lower Upper

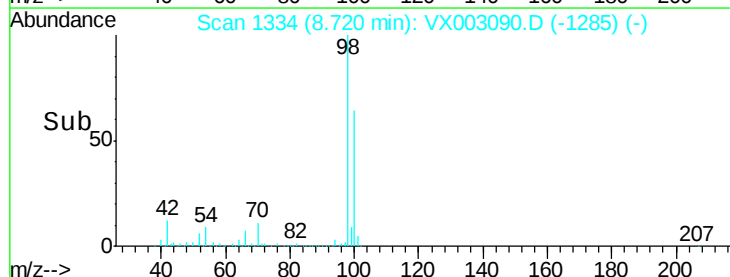
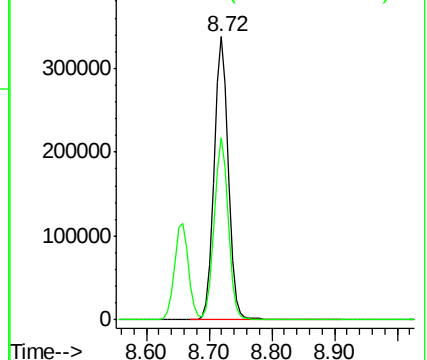
98 100

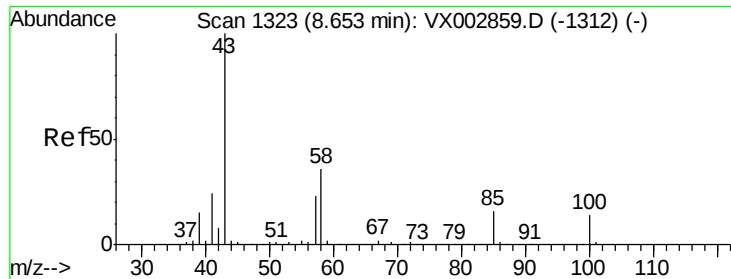
100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

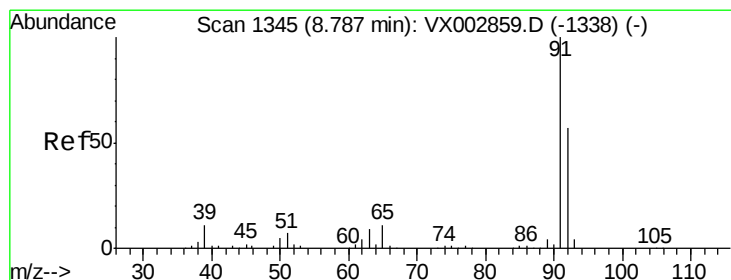
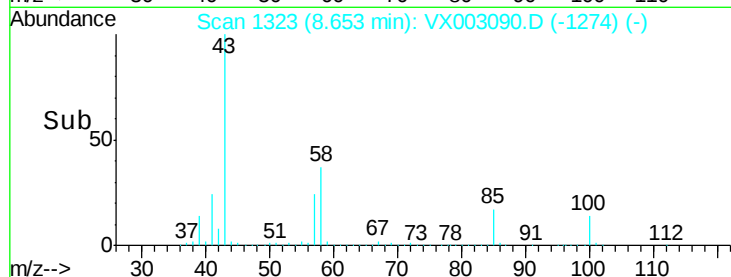
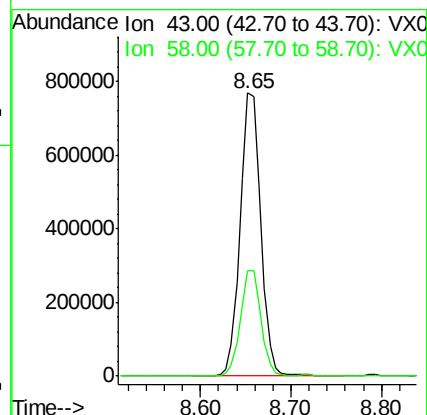
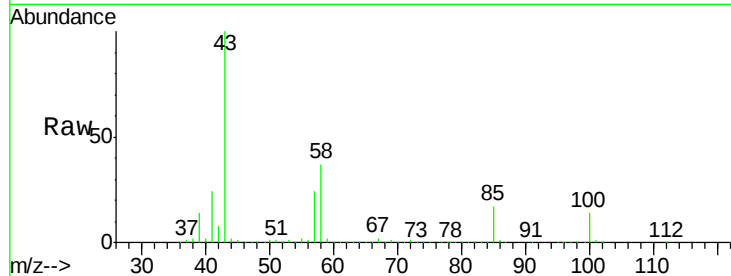




#51
4-Methyl-2-Pentanone
Concen: 261.74 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

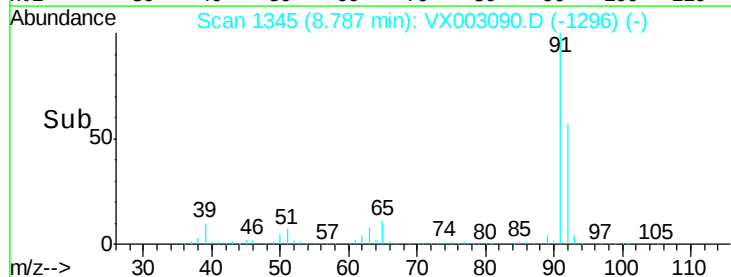
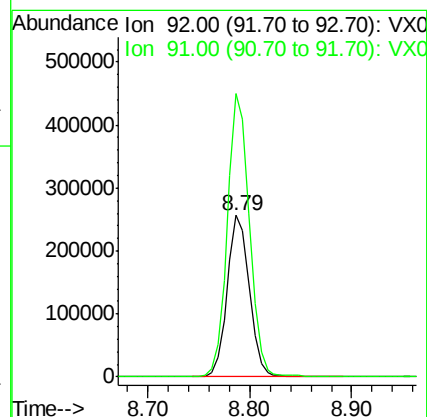
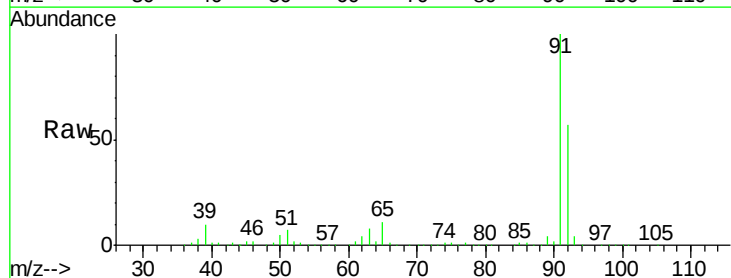
Instrument :
MSVOA_X
ClientSampleId :
S73-0217MS

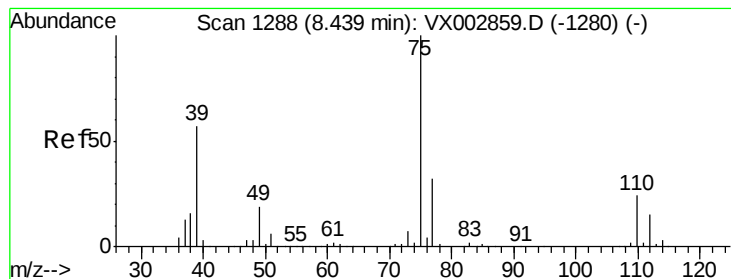
Tot Ion: 43 Resp: 1215750
Ion Ratio Lower Upper
43 100
58 37.2 28.6 42.8



#52
Toluene
Concen: 50.72 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

Tgt Ion: 92 Resp: 388131
Ion Ratio Lower Upper
92 100
91 174.0 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 50.17 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

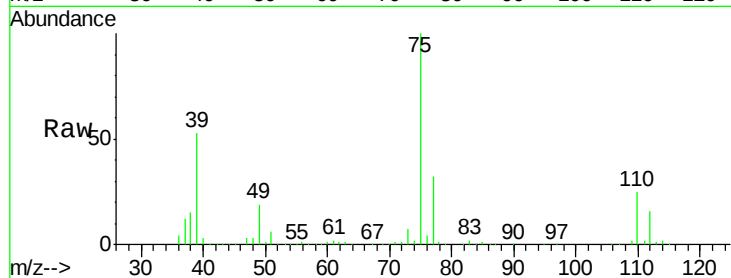
S73-0217MS

Tot Ion: 75 Resp: 230984

Ion Ratio Lower Upper

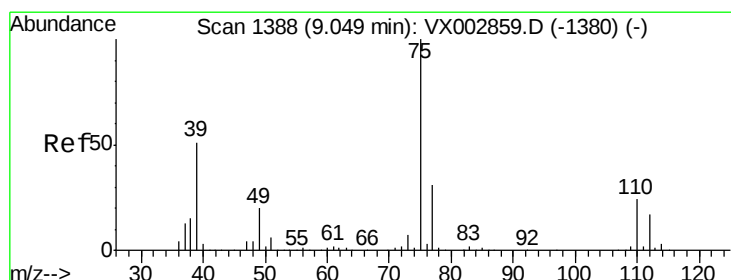
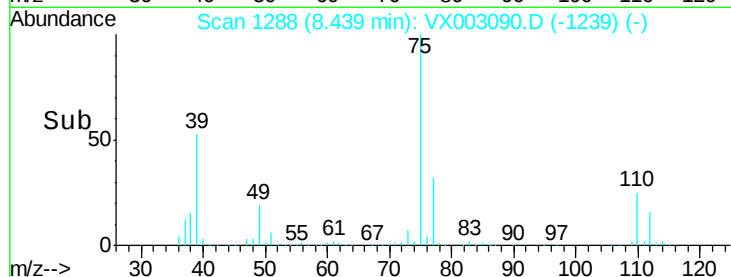
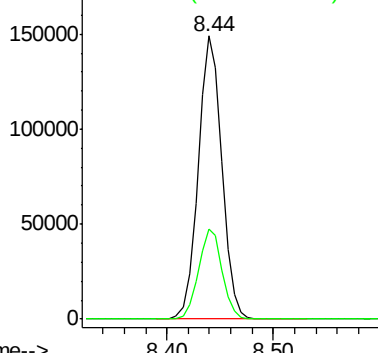
75 100

77 31.7 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 48.99 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

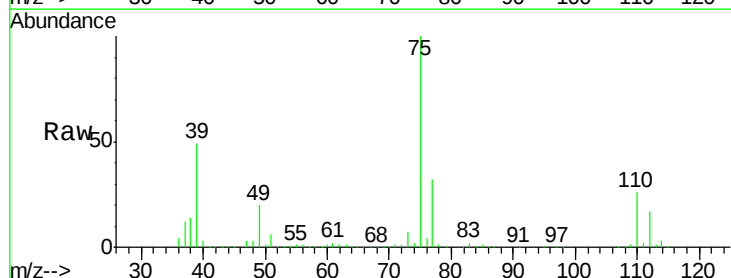
Tgt Ion: 75 Resp: 217008

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

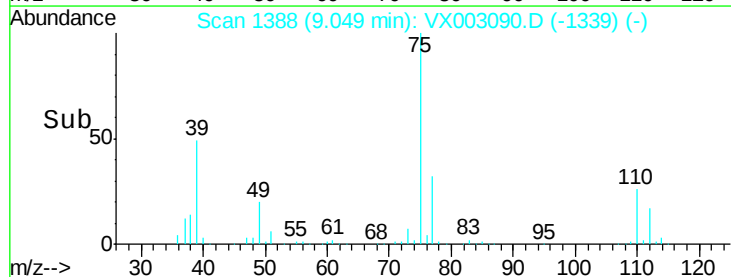
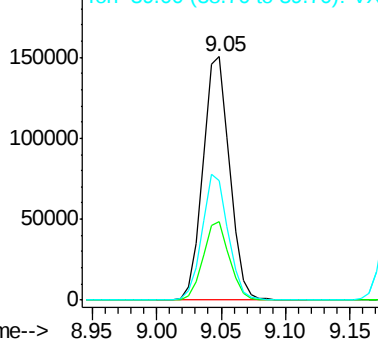
39 49.2 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

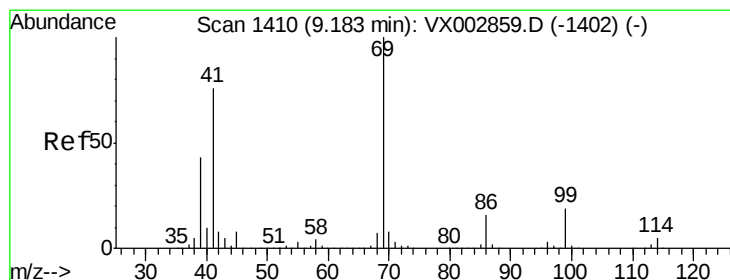
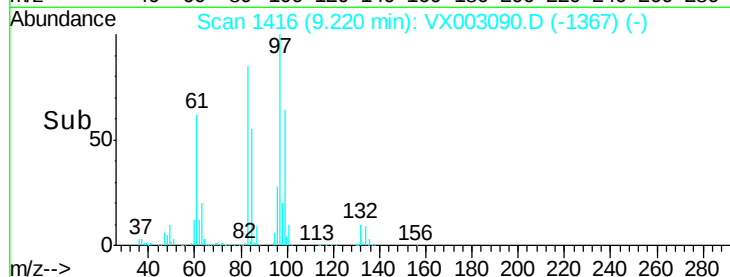
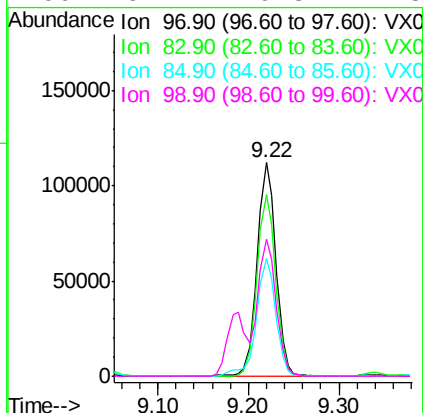
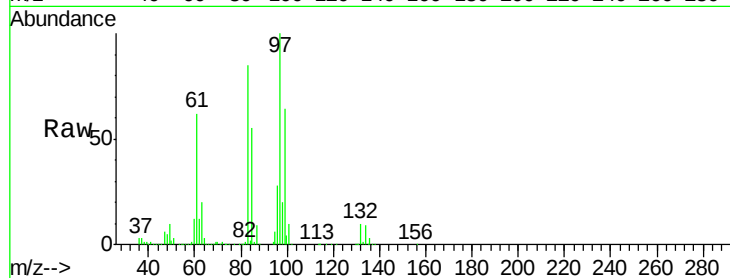




#55
 1,1,2-Trichloroethane
 Concen: 51.36 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

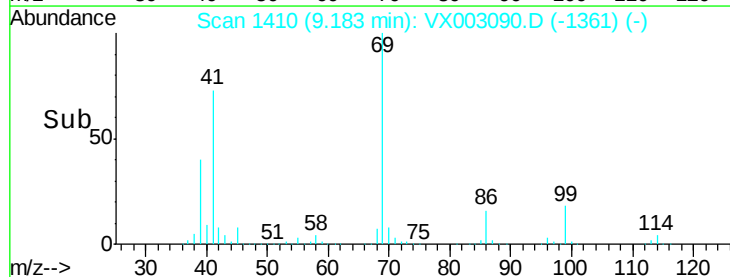
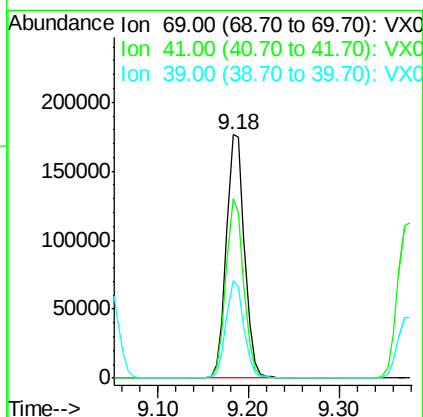
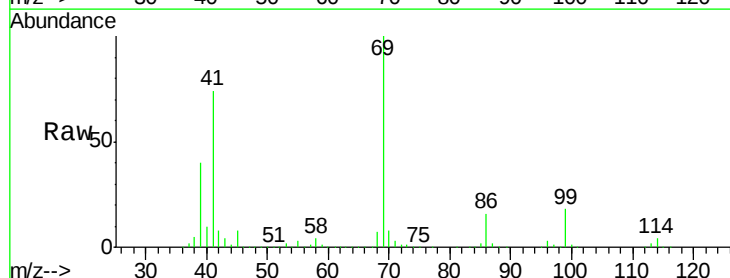
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MS

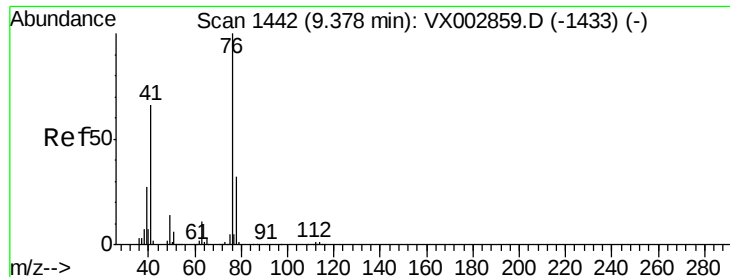
Tot Ion:	97	Resp:	161497
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.2	105.2
85	55.4	44.9	67.3
99	64.2	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 53.77 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

Tgt Ion:	69	Resp:	247106
Ion	Ratio	Lower	Upper
69	100		
41	71.5	60.3	90.5
39	38.9	35.8	53.8





#57

1,3-Dichloropropane

Concen: 51.39 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

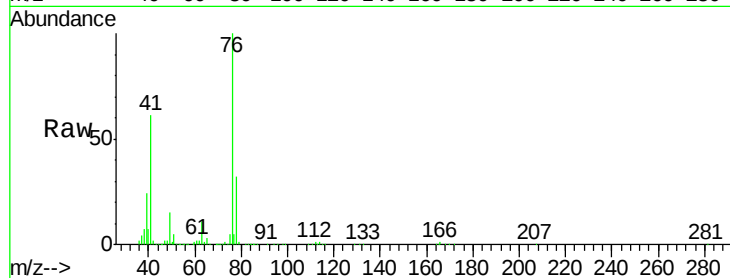
S73-0217MS

Tot Ion: 76 Resp: 265434

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

200000

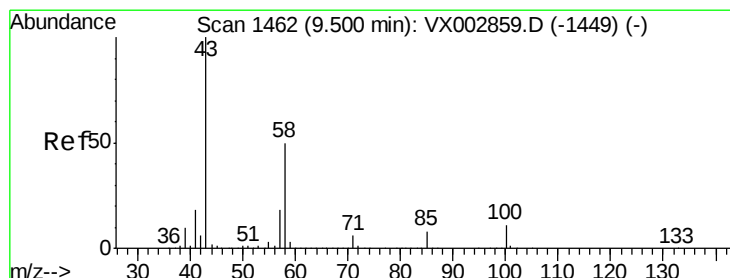
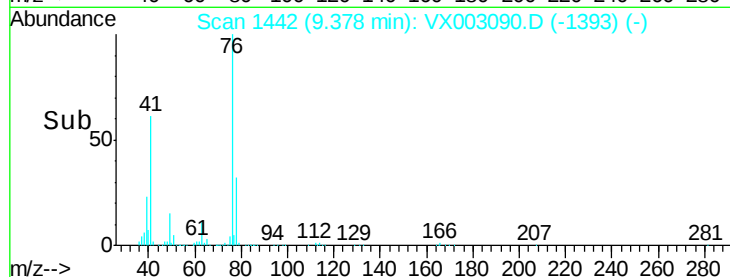
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 262.31 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX003090.D

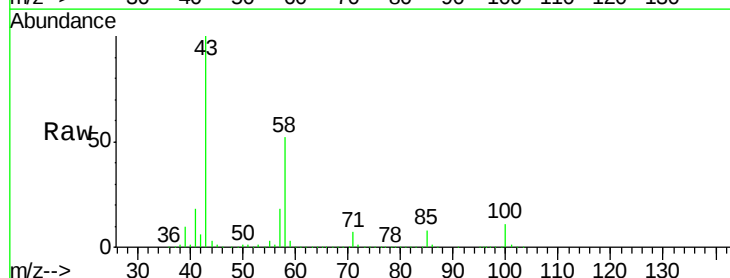
Acq: 30 Jun 2018 20:16

Tgt Ion: 43 Resp: 926000

Ion Ratio Lower Upper

43 100

58 52.1 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

800000

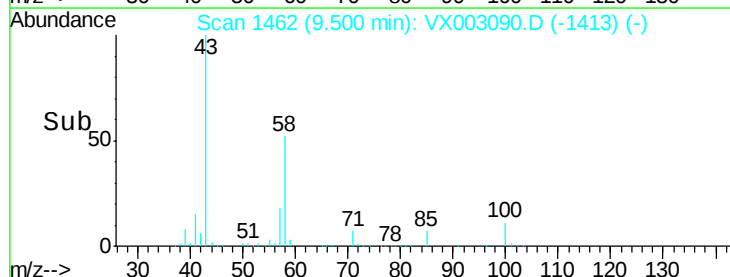
600000

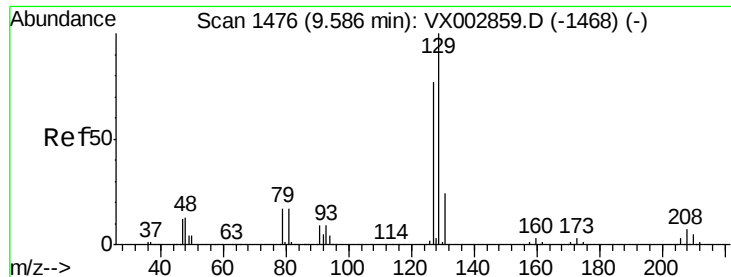
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 52.79 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

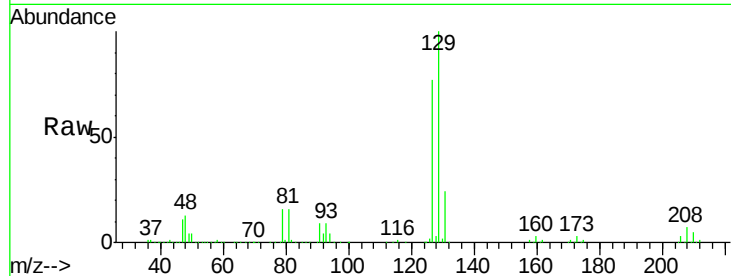
S73-0217MS

Tot Ion:129 Resp: 174739

Ion Ratio Lower Upper

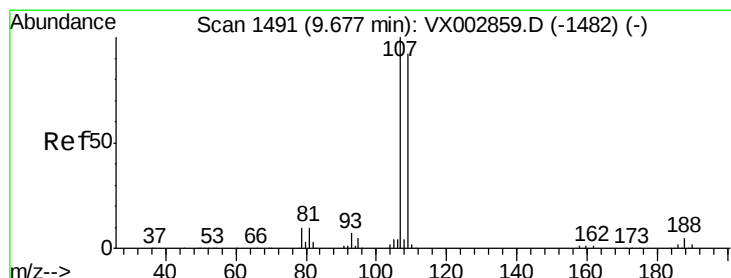
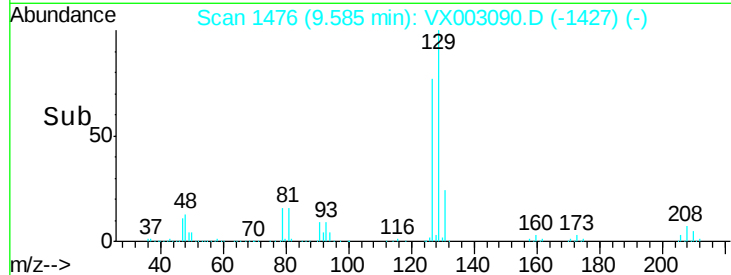
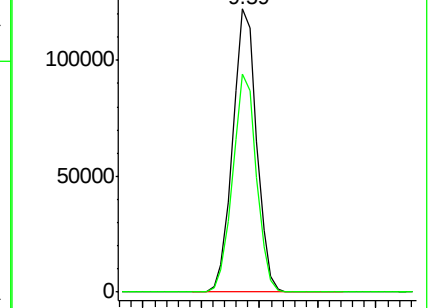
129 100

127 76.4 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: 52.18 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003090.D

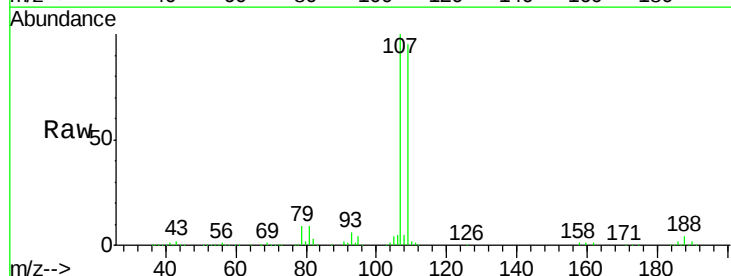
Acq: 30 Jun 2018 20:16

Tgt Ion:107 Resp: 172107

Ion Ratio Lower Upper

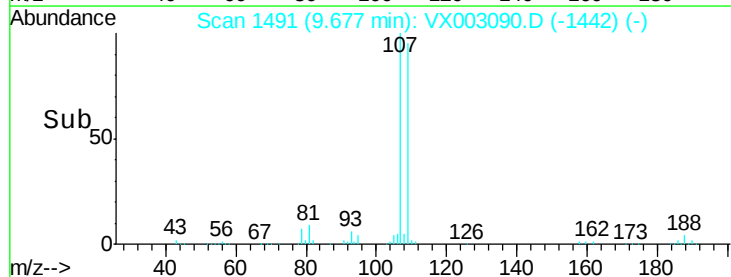
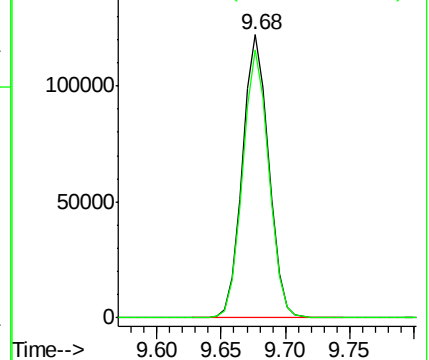
107 100

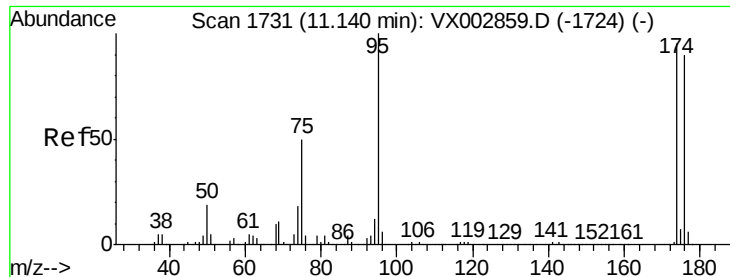
109 94.3 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 49.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MS

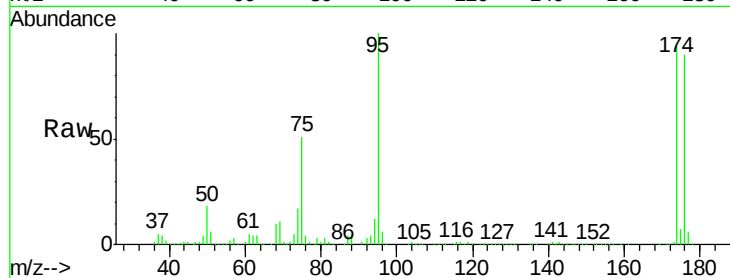
Tot Ion: 95 Resp: 204982

Ion Ratio Lower Upper

95 100

174 97.6 0.0 187.4

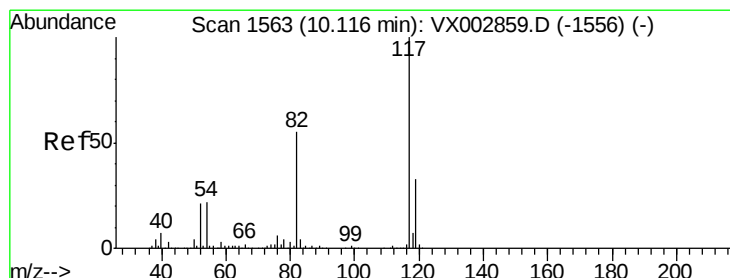
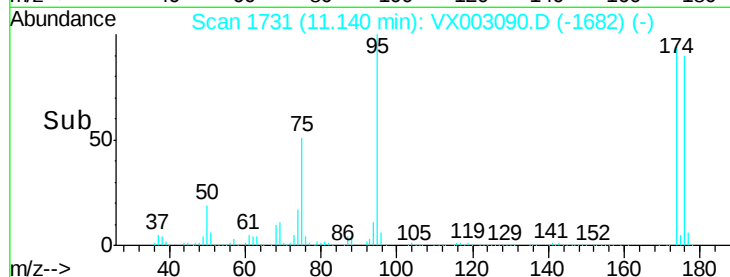
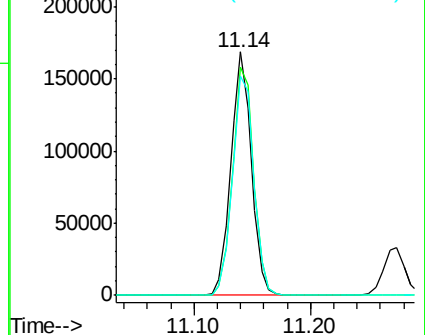
176 94.7 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

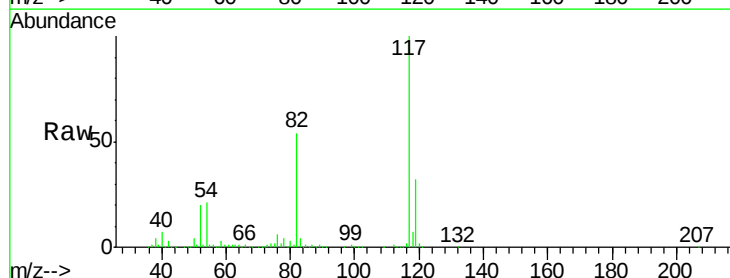
Tgt Ion: 117 Resp: 354597

Ion Ratio Lower Upper

117 100

82 53.8 45.0 67.4

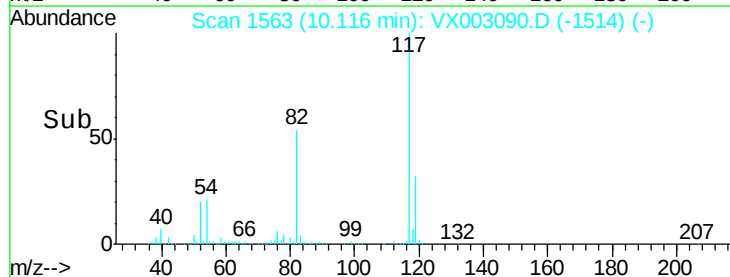
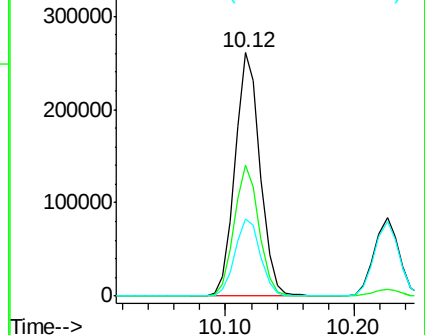
119 31.9 25.8 38.6

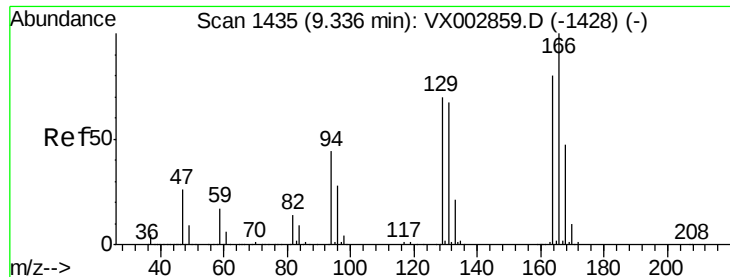


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 43.17 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MS

Tot Ion:164 Resp: 170229

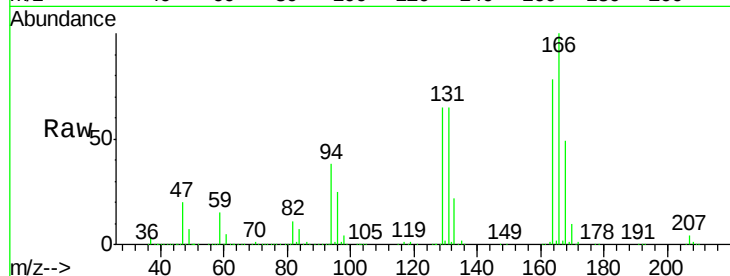
Ion Ratio Lower Upper

164 100

166 127.8 102.9 154.3

129 83.4 68.6 102.8

131 83.6 66.8 100.2

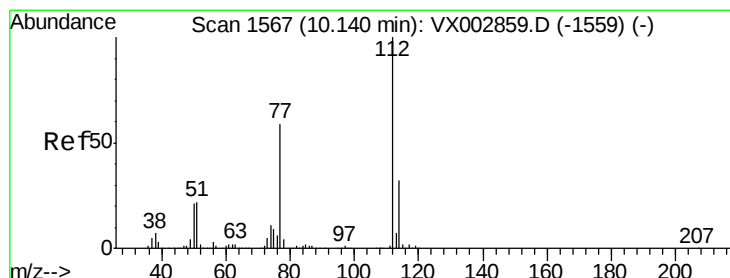
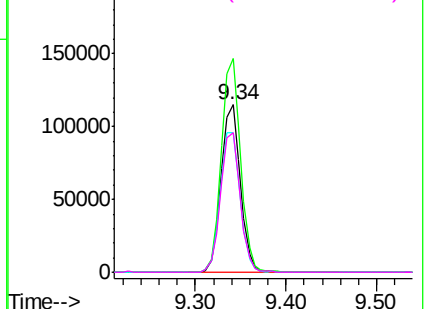
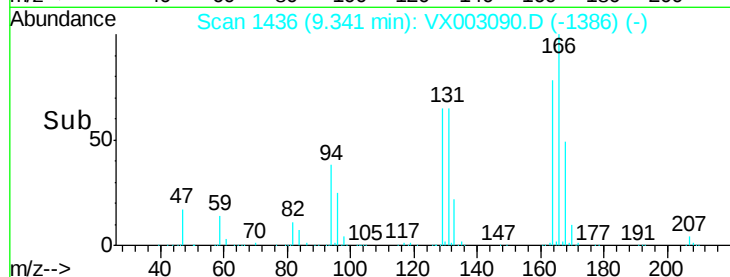


Abundance Ion 163.80 (163.50 to 164.50): V

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: 49.88 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003090.D

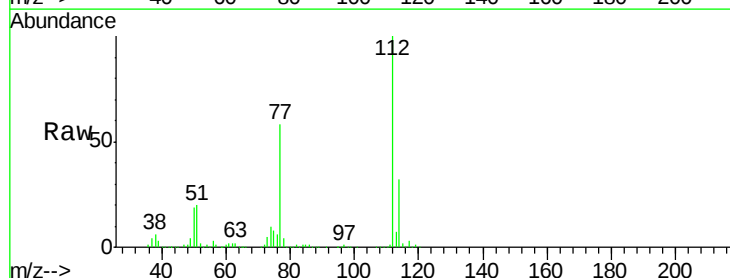
Acq: 30 Jun 2018 20:16

Tgt Ion:112 Resp: 449219

Ion Ratio Lower Upper

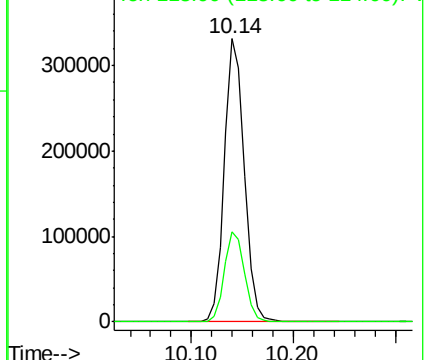
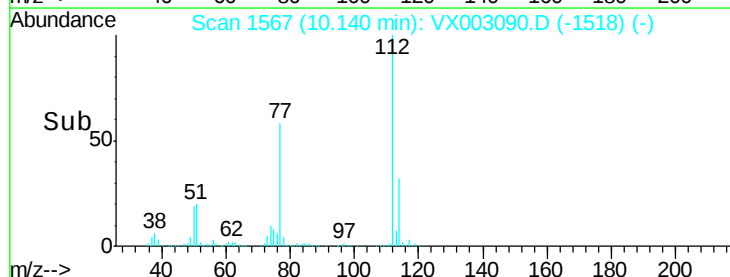
112 100

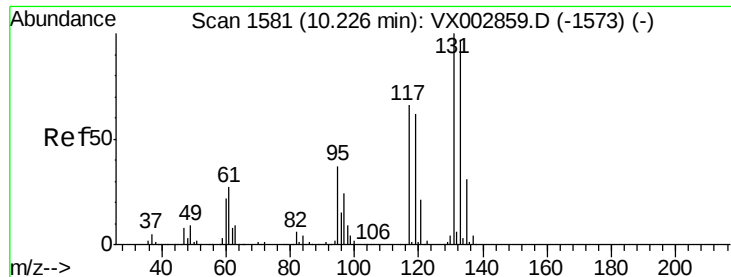
114 31.9 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

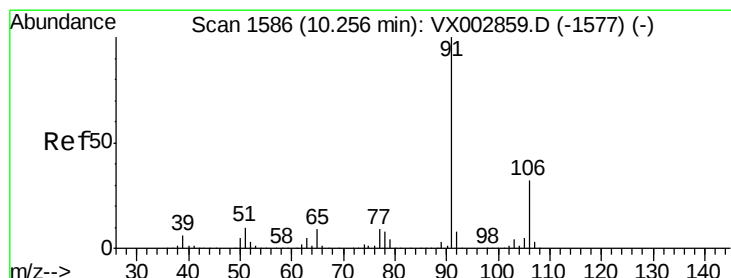
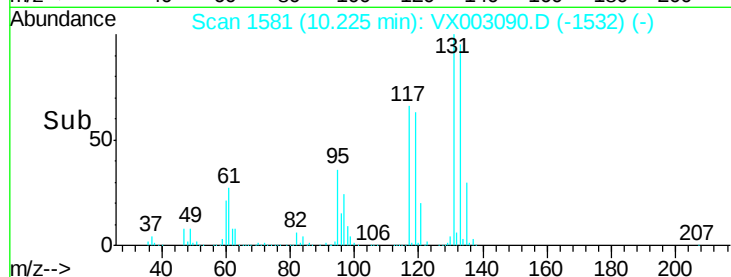
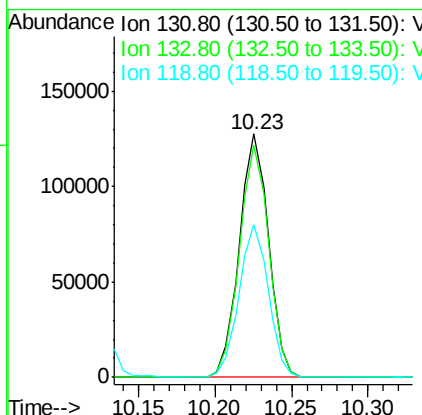
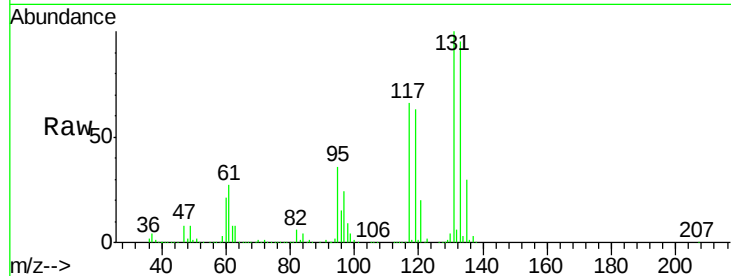




#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.92 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

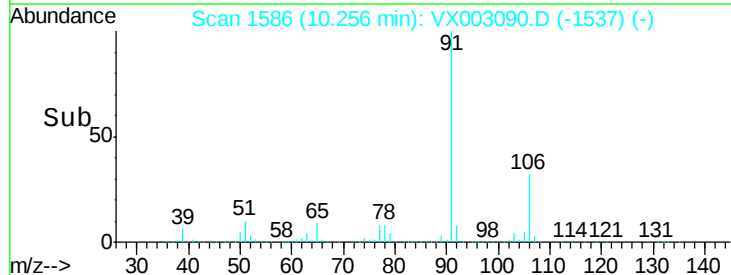
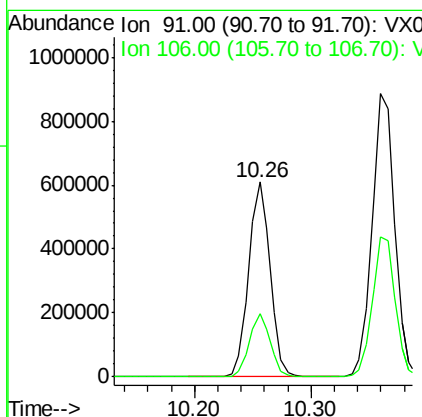
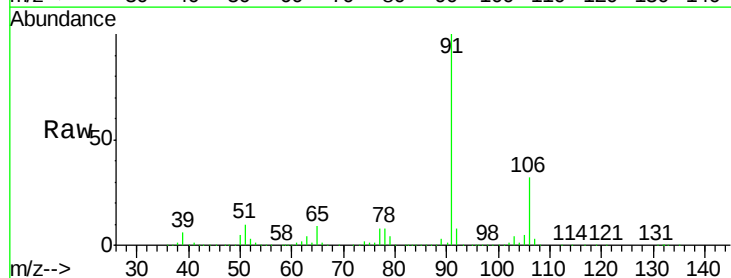
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MS

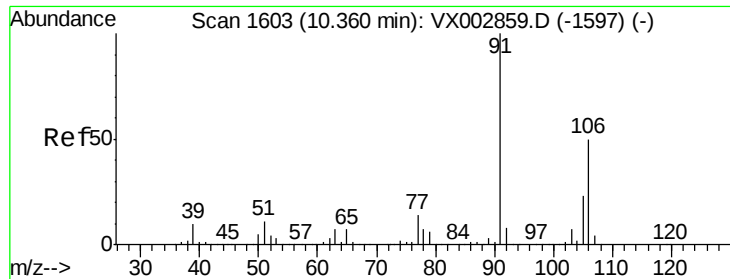
Tot Ion:131 Resp: 169871
 Ion Ratio Lower Upper
 131 100
 133 95.5 47.9 143.6
 119 62.8 31.8 95.3



#67
 Ethyl Benzene
 Concen: 52.94 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

Tgt Ion: 91 Resp: 787593
 Ion Ratio Lower Upper
 91 100
 106 32.3 25.5 38.3

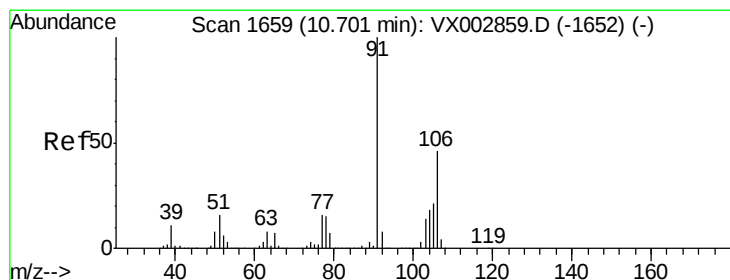
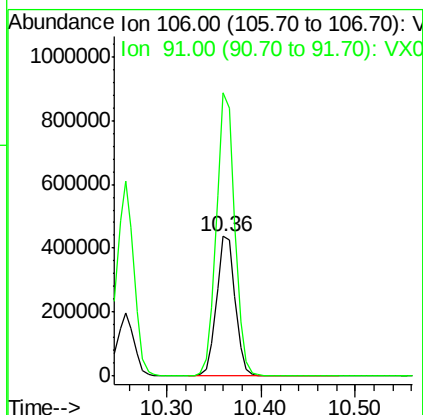
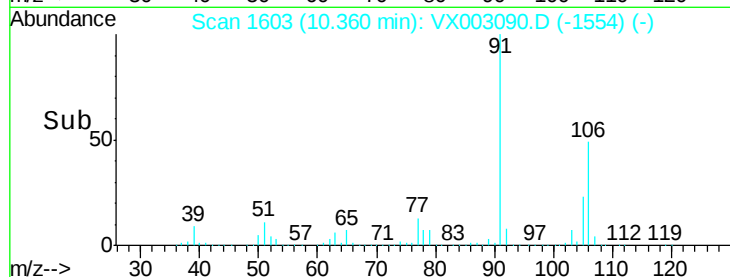
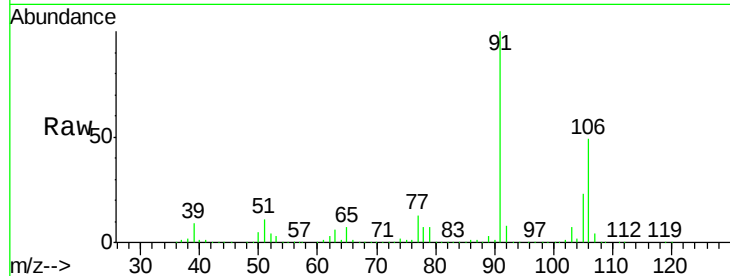




#68
m/p-Xvlenes
Concen: 104.44 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

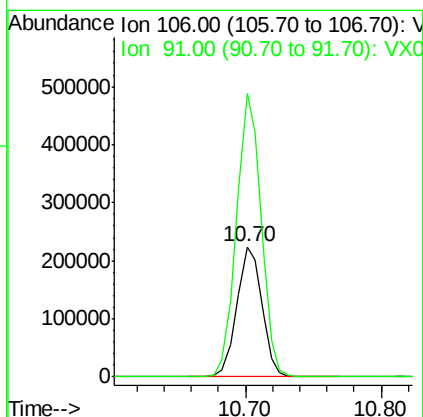
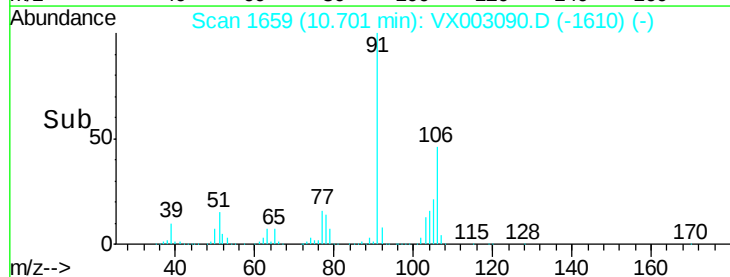
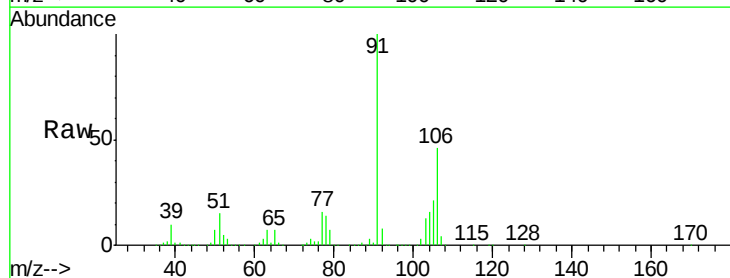
Instrument :
MSVOA_X
ClientSampleId :
S73-0217MS

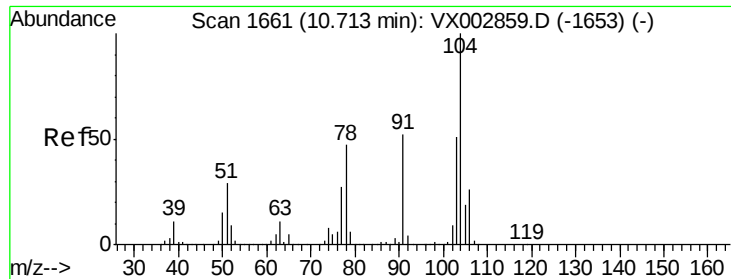
Tot Ion:106 Resp: 598849
Ion Ratio Lower Upper
106 100
91 201.0 163.4 245.2



#69
o-Xylene
Concen: 51.40 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

Tgt Ion:106 Resp: 287001
Ion Ratio Lower Upper
106 100
91 214.7 108.2 324.6

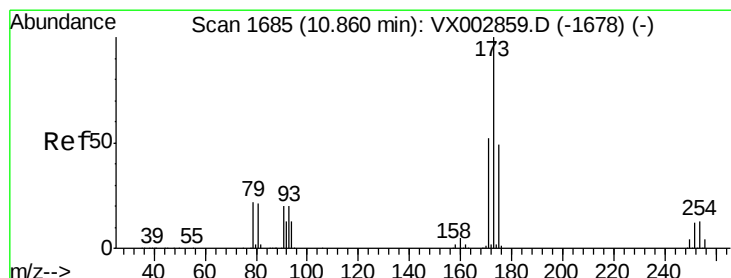
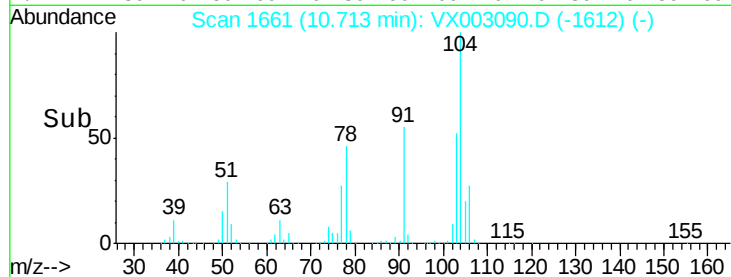
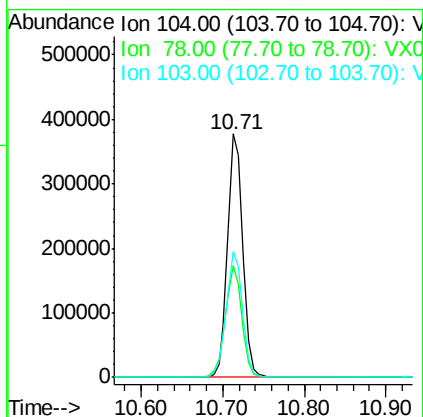
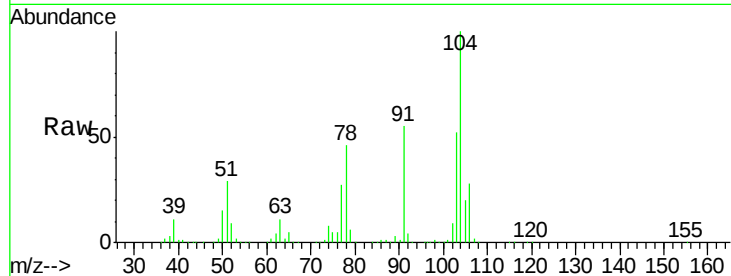




#70
Stvrene
Concen: 53.25 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

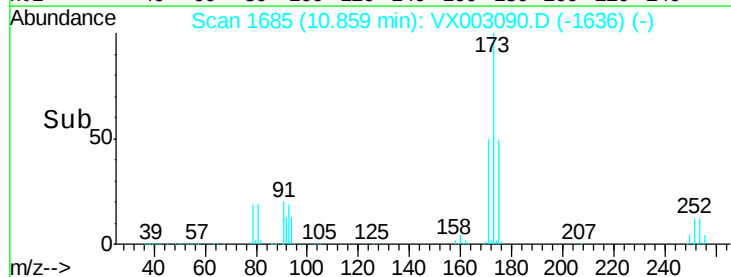
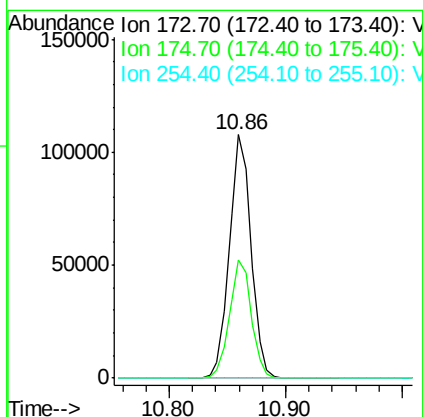
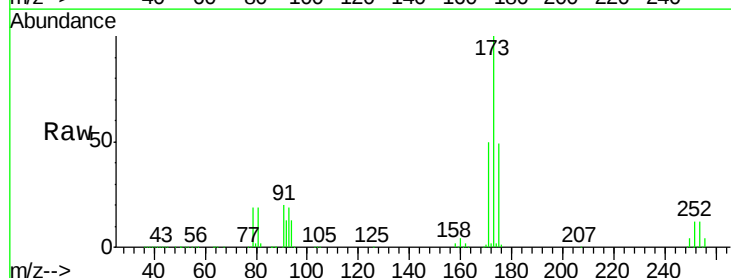
Instrument :
MSVOA_X
ClientSampled :
S73-0217MS

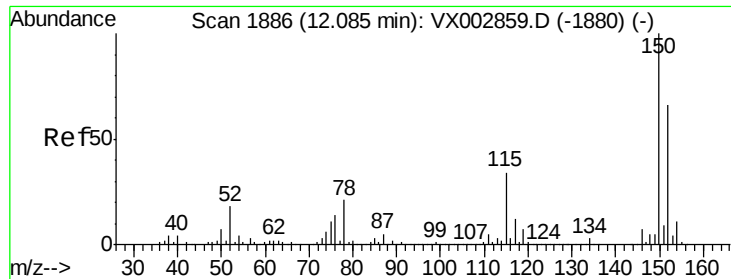
Tot Ion:104 Resp: 483115
Ion Ratio Lower Upper
104 100
78 49.9 41.0 61.6
103 55.4 44.2 66.4



#71
Bromoform
Concen: 47.30 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

Tgt Ion:173 Resp: 139155
Ion Ratio Lower Upper
173 100
175 48.8 24.7 74.1
254 0.2 0.2 0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MS

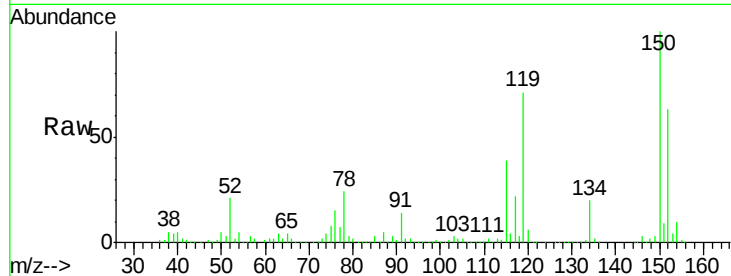
Tot Ion:152 Resp: 220321

Ion Ratio Lower Upper

152 100

115 77.1 40.1 120.2

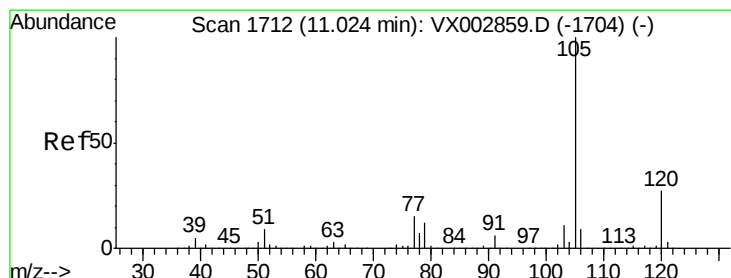
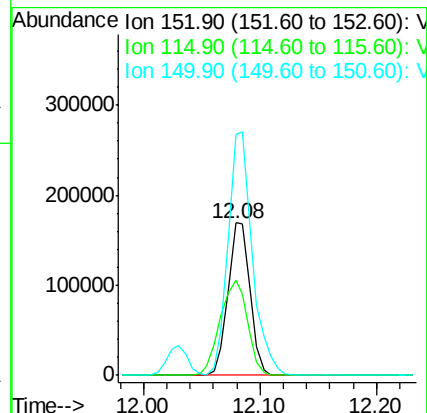
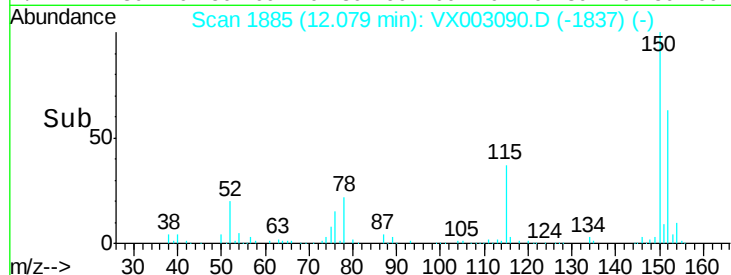
150 176.5 0.0 347.2



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: 53.12 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003090.D

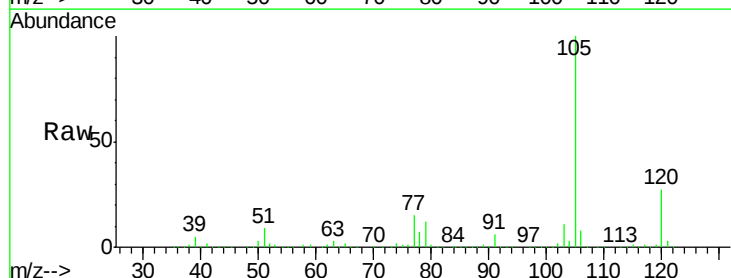
Acq: 30 Jun 2018 20:16

Tgt Ion:105 Resp: 787353

Ion Ratio Lower Upper

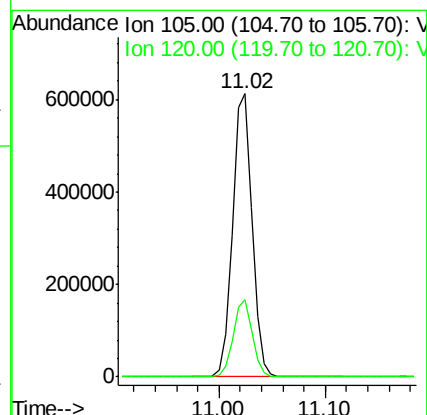
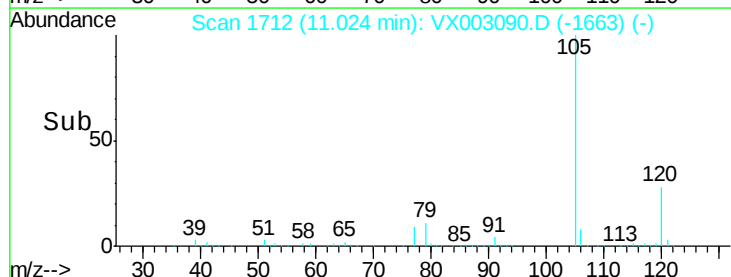
105 100

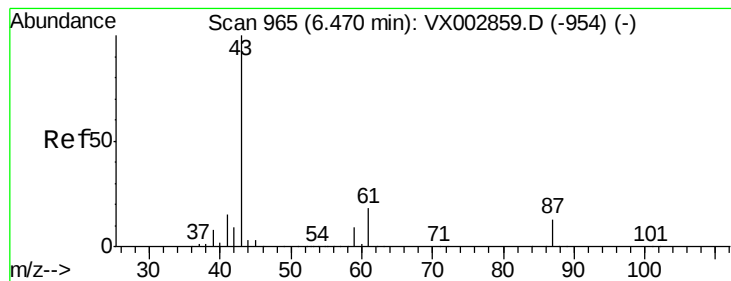
120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 49.54 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MS

Tot Ion: 43 Resp: 359296

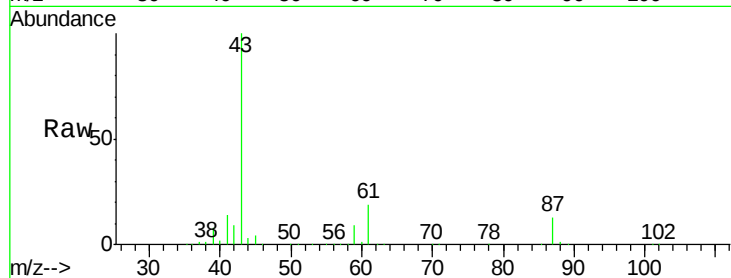
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.2 0.0 0.0#

61 18.7 14.4 21.6

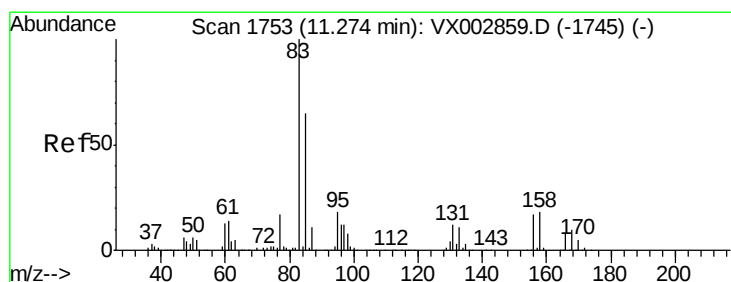
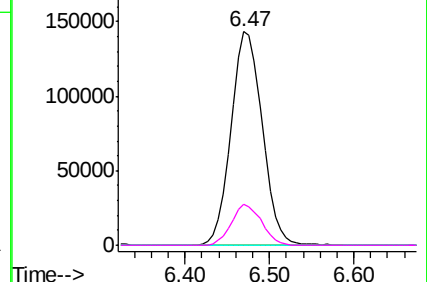
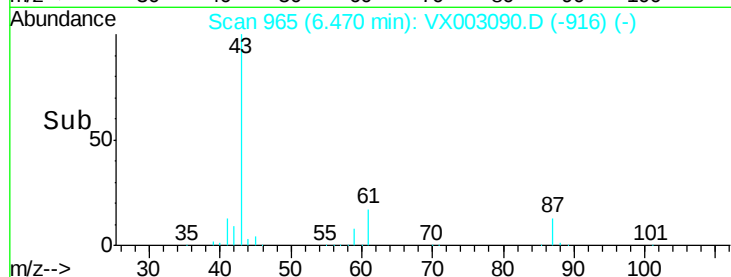


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 55.10 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

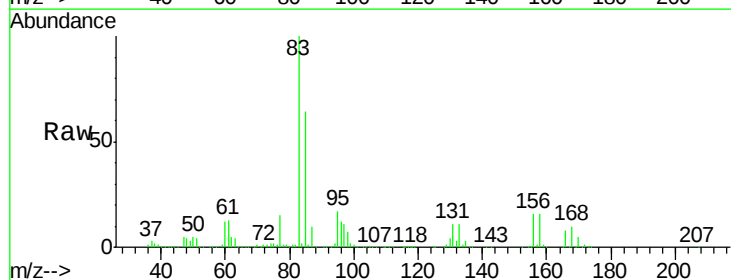
Tgt Ion: 83 Resp: 251577

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

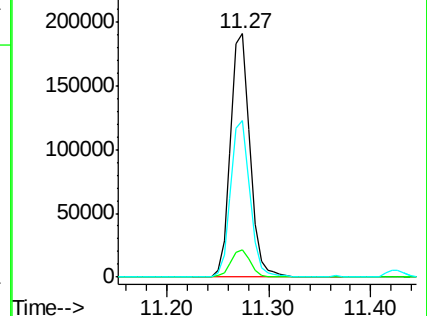
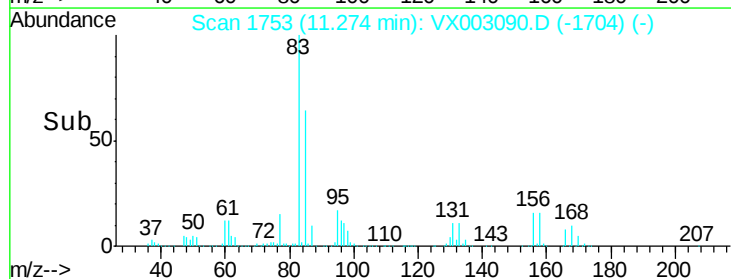
85 64.1 32.4 97.2

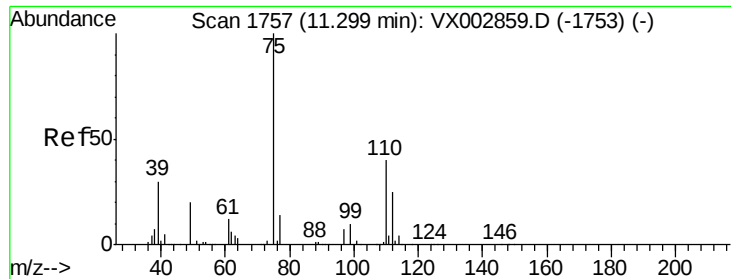


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 67.13 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampled :

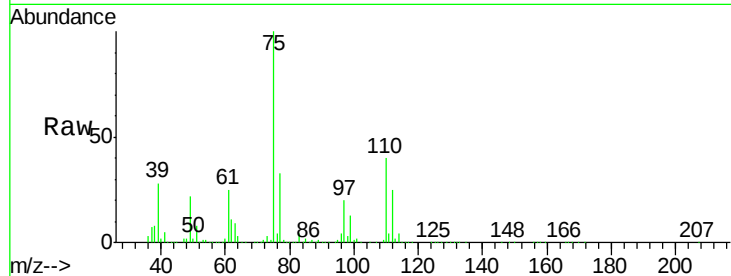
S73-0217MS

Tot Ion: 75 Resp: 267912

Ion Ratio Lower Upper

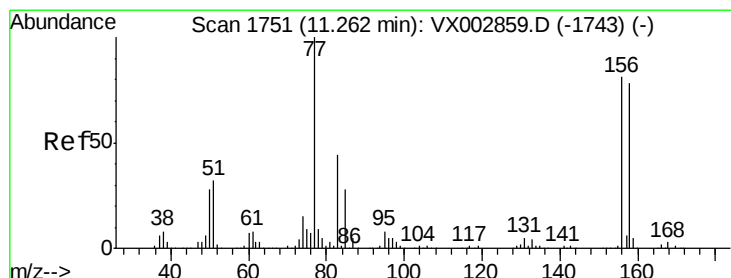
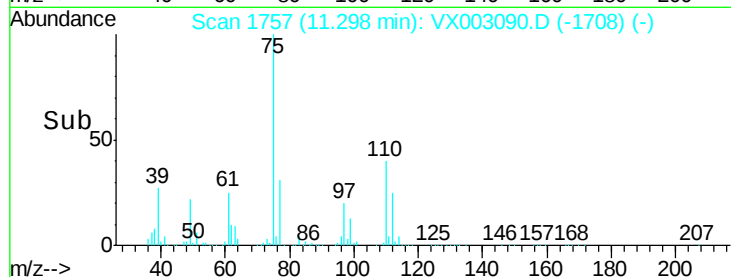
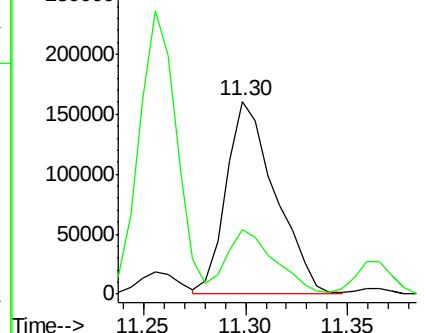
75 100

77 32.6 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 52.36 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

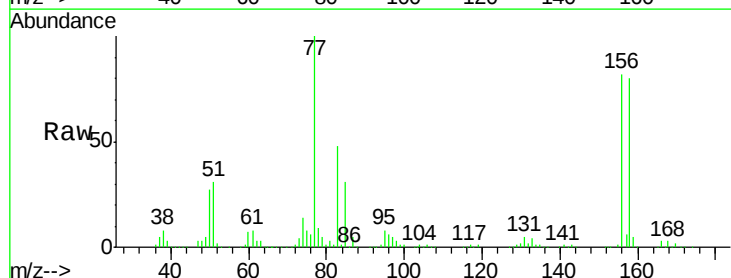
Tgt Ion: 156 Resp: 220994

Ion Ratio Lower Upper

156 100

77 135.5 71.4 214.2

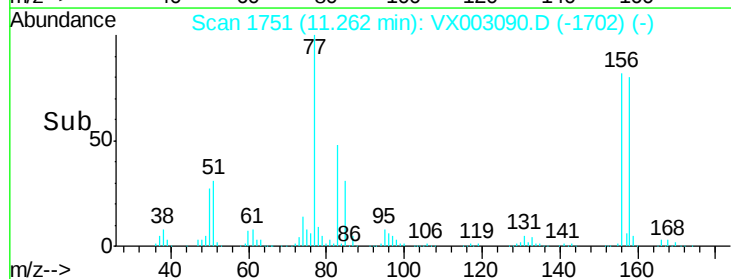
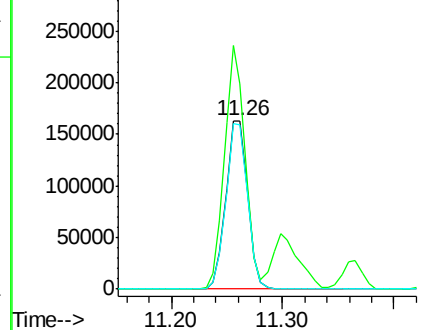
158 97.6 48.9 146.6

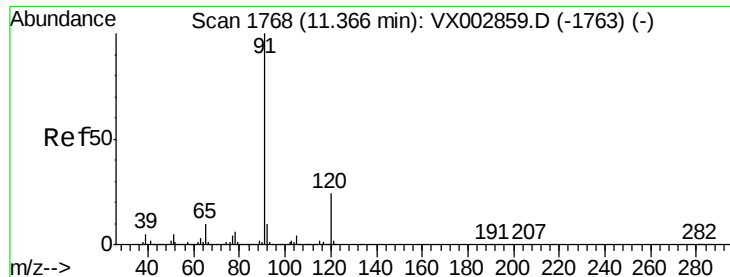


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 51.90 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

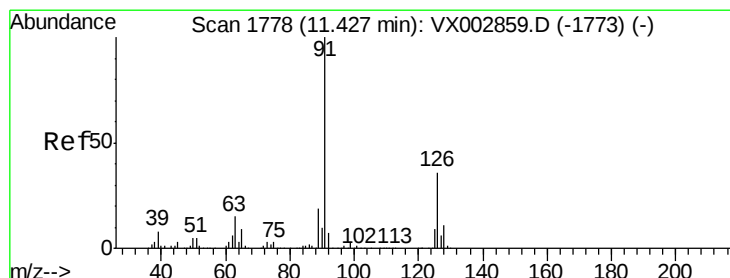
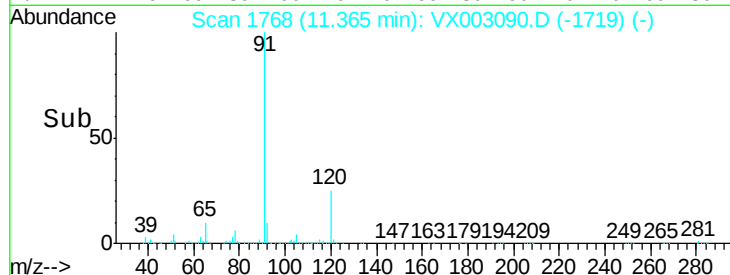
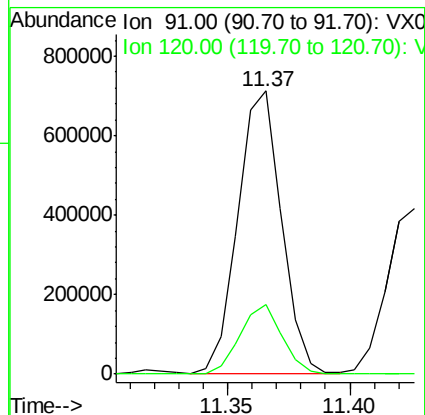
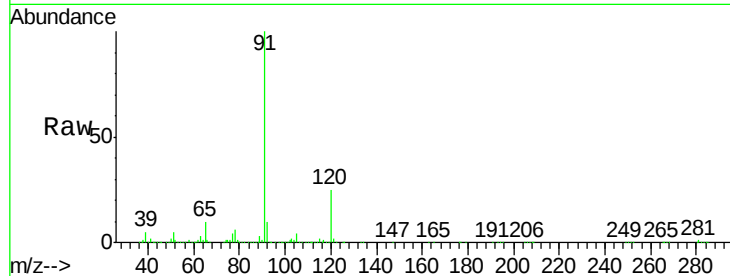
S73-0217MS

Tot Ion: 91 Resp: 875622

Ion Ratio Lower Upper

91 100

120 24.0 11.8 35.4



#79

2-Chlorotoluene

Concen: 50.93 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003090.D

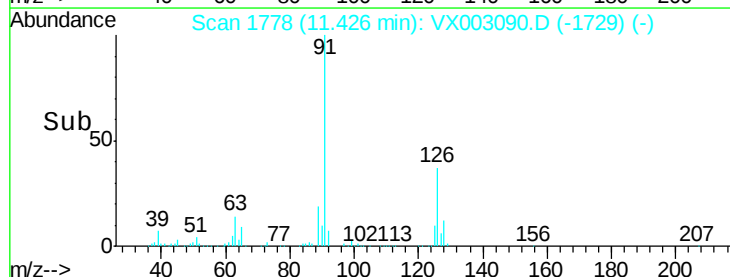
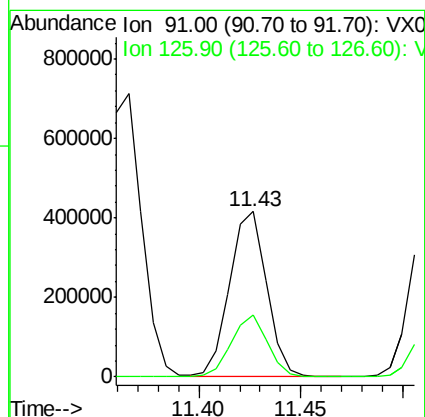
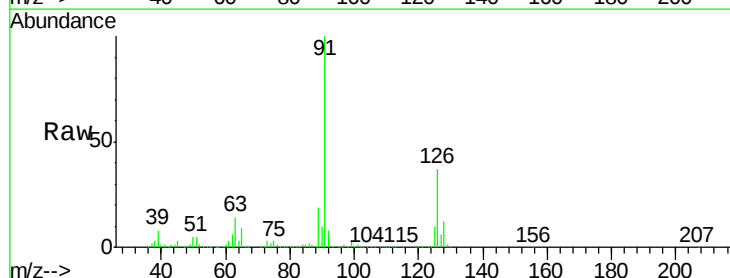
Acq: 30 Jun 2018 20:16

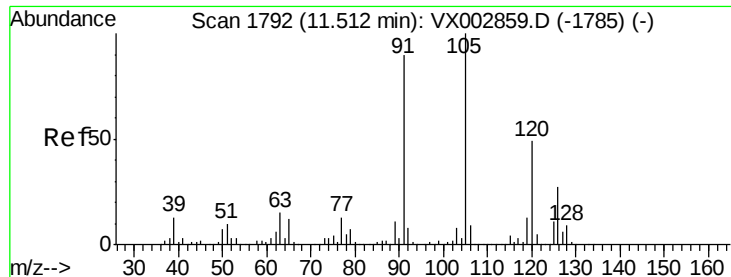
Tgt Ion: 91 Resp: 520206

Ion Ratio Lower Upper

91 100

126 36.6 17.7 53.1

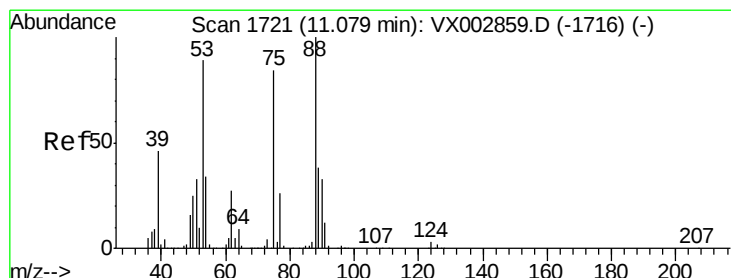
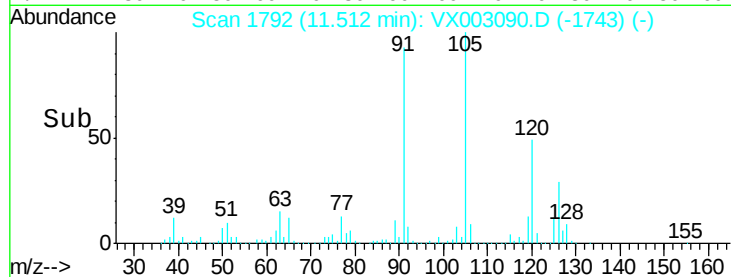
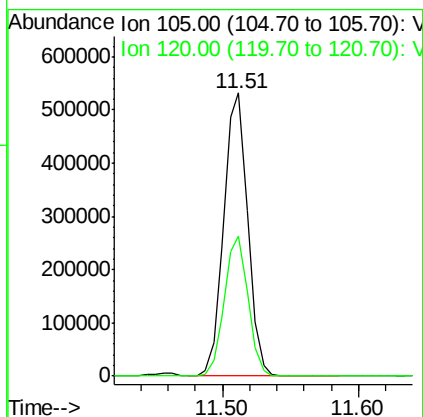
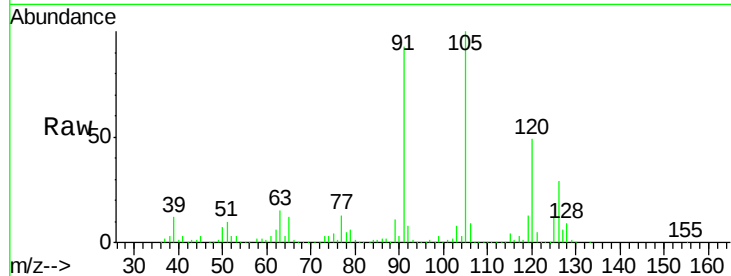




#80
 1,3,5-Trimethylbenzene
 Concen: 51.83 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

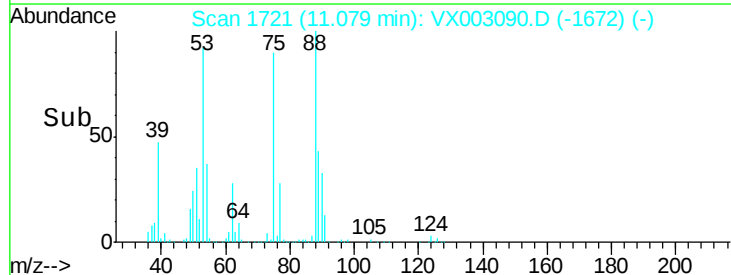
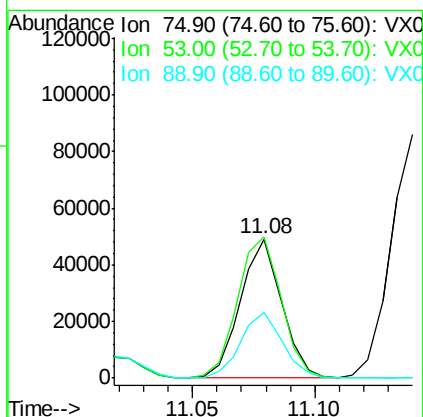
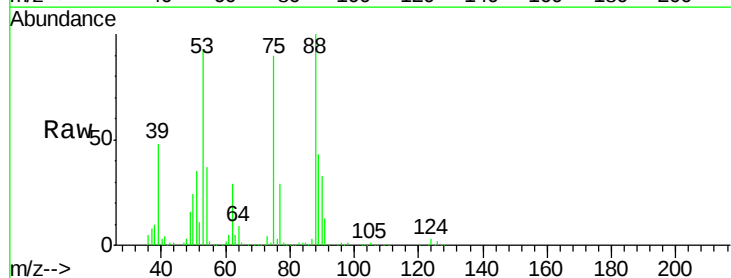
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MS

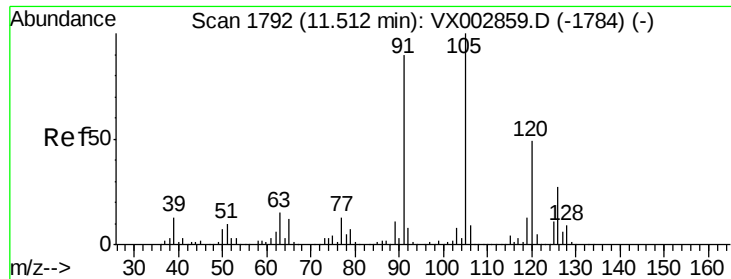
Tot Ion:105 Resp: 647058
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 42.23 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

Tgt Ion: 75 Resp: 57323
 Ion Ratio Lower Upper
 75 100
 53 108.1 86.8 130.2
 89 48.6 38.2 57.2

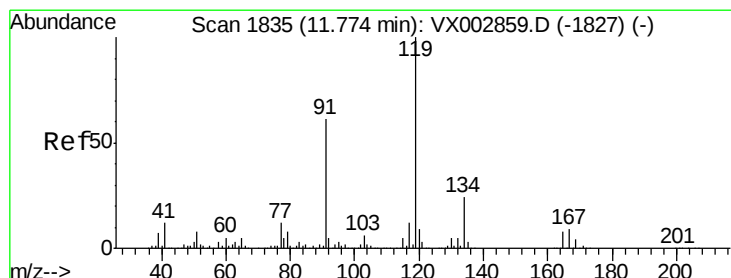
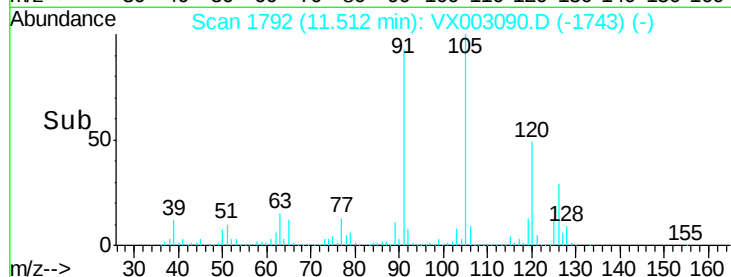
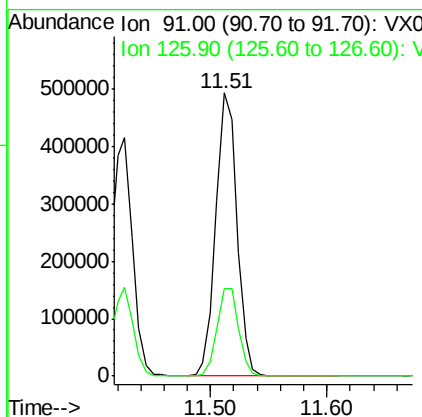
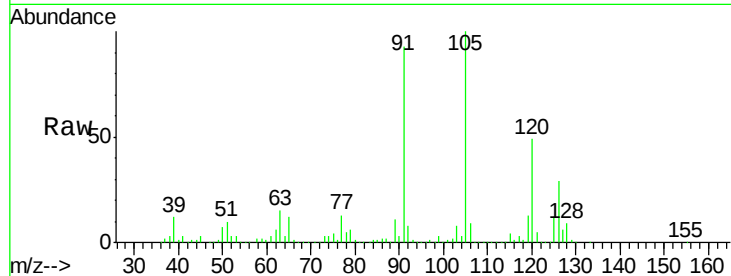




#82
4-Chlorotoluene
Concen: 50.75 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

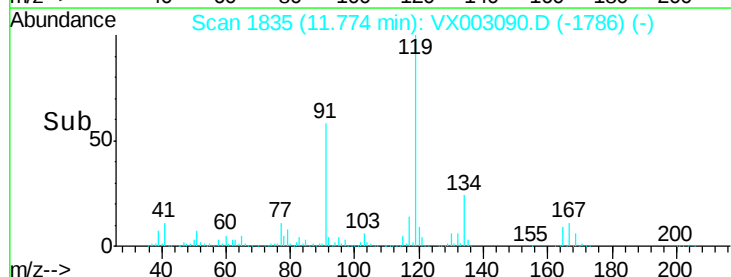
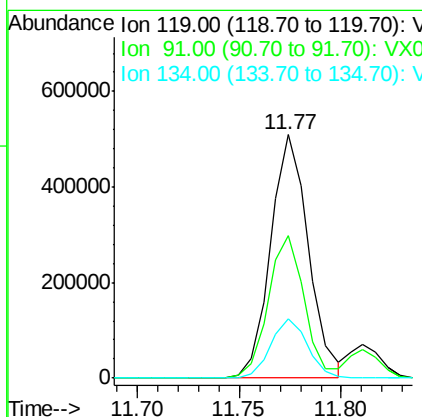
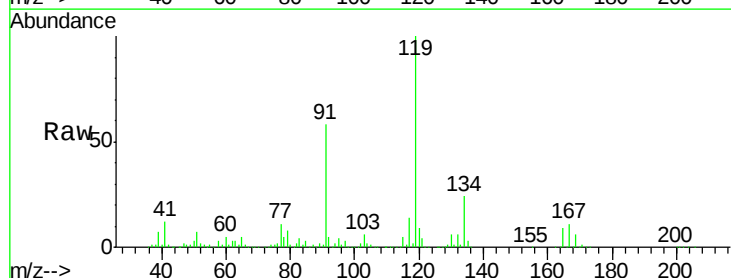
Instrument :
MSVOA_X
ClientSampled :
S73-0217MS

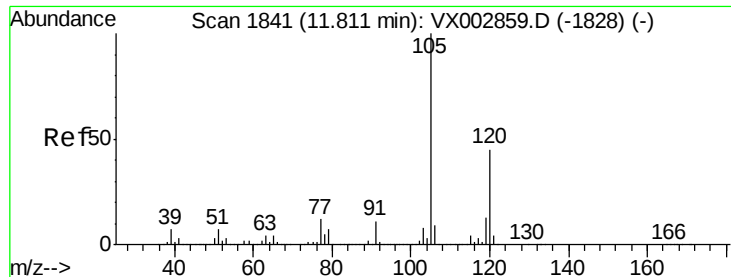
Tot Ion: 91 Resp: 613694
Ion Ratio Lower Upper
91 100
126 31.7 15.4 46.4



#83
tert-Butylbenzene
Concen: 53.52 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003090.D
Acq: 30 Jun 2018 20:16

Tgt Ion: 119 Resp: 658496
Ion Ratio Lower Upper
119 100
91 56.4 30.3 90.9
134 23.6 11.7 35.1

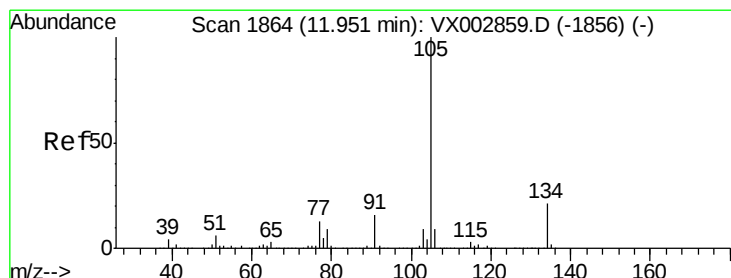
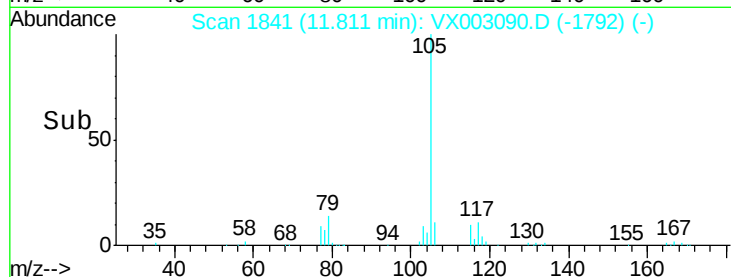
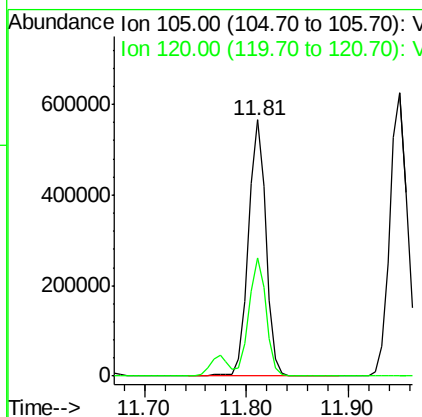
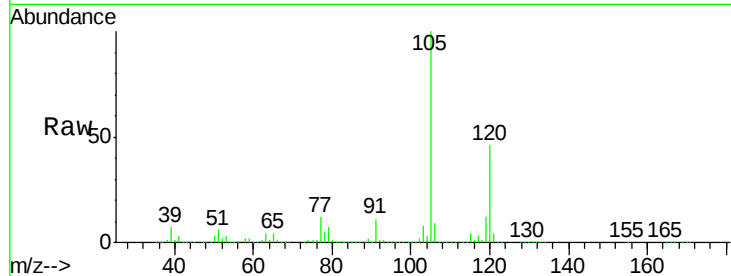




#84
 1,2,4-Trimethylbenzene
 Concen: 52.18 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

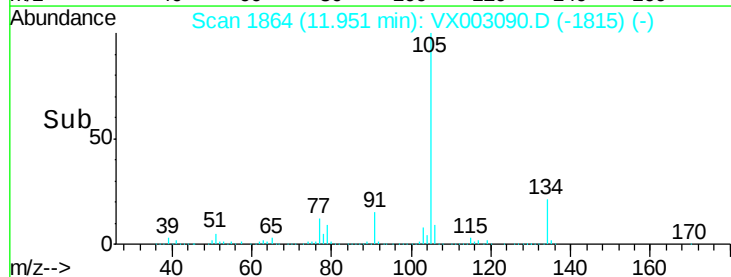
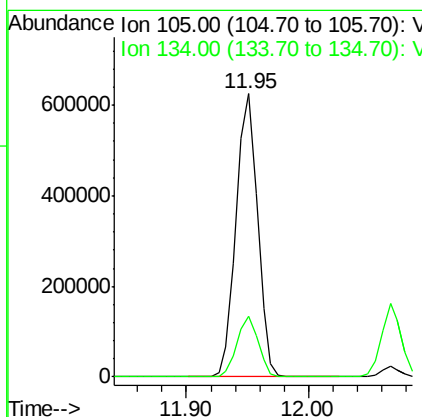
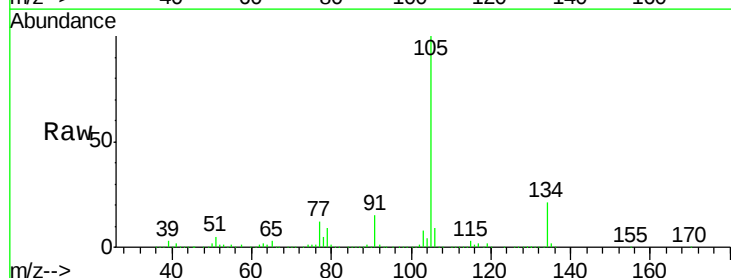
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MS

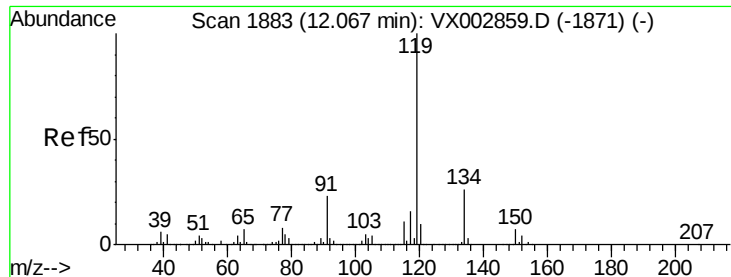
Tot Ion:105 Resp: 674906
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 50.79 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

Tgt Ion:105 Resp: 757985
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.4 31.1

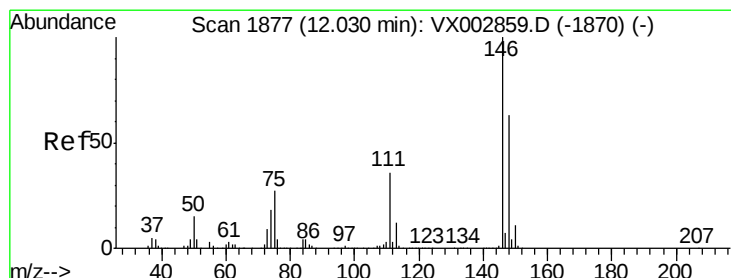
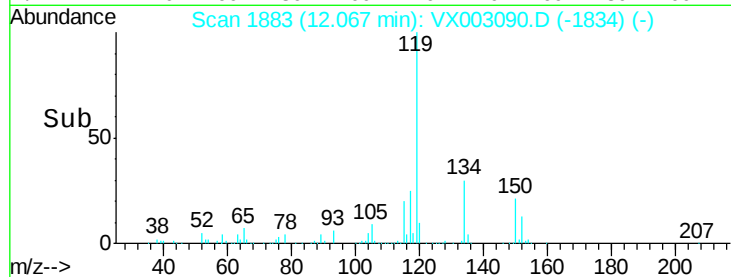
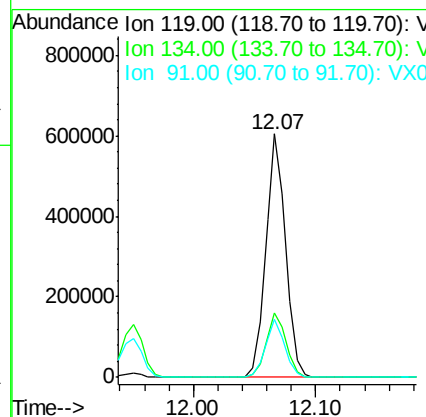
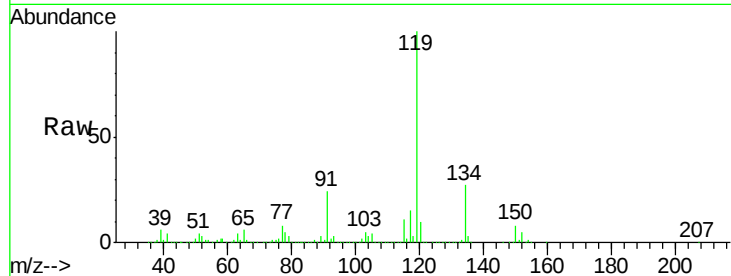




#86
 p-Isopropyltoluene
 Concen: 50.77 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

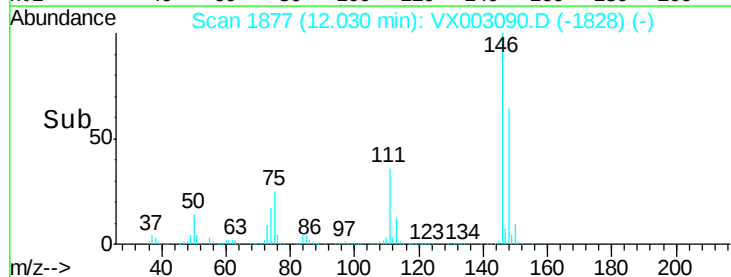
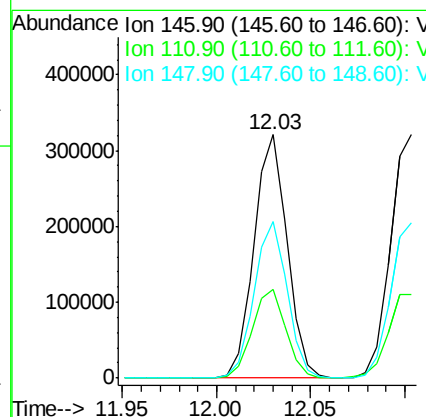
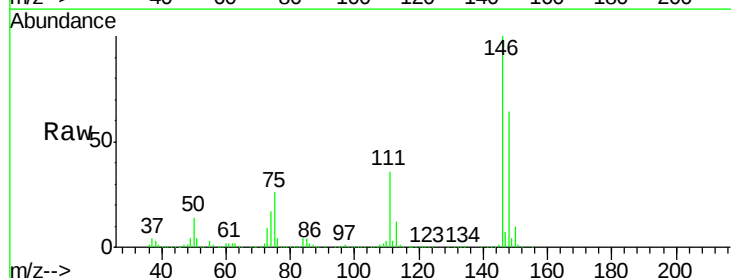
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MS

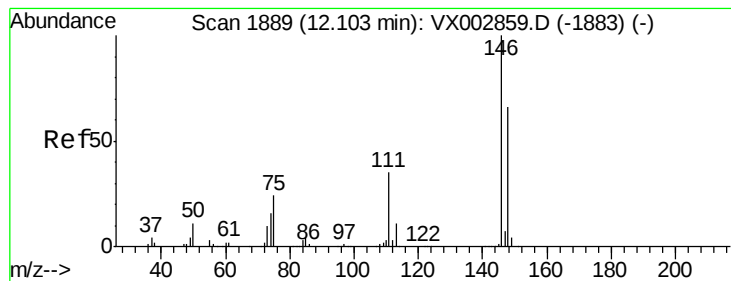
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.1
91	23.2	11.9	35.7



#87
 1,3-Dichlorobenzene
 Concen: 50.63 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.7
148	64.4	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 49.79 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampled :

S73-0217MS

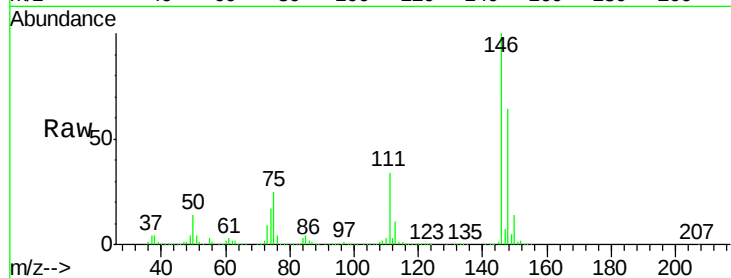
Tot Ion:146 Resp: 394989

Ion Ratio Lower Upper

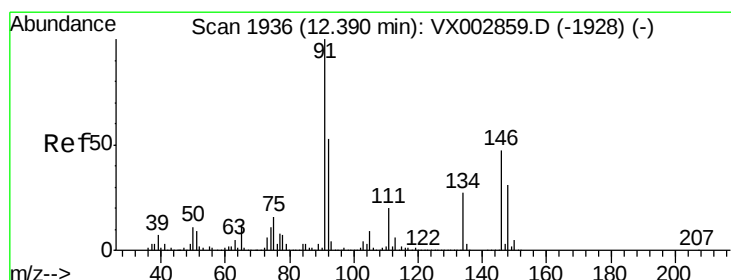
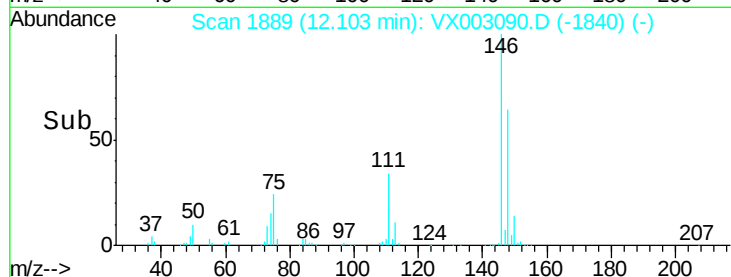
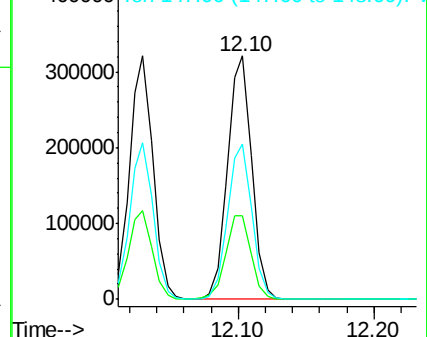
146 100

111 36.2 18.7 56.1

148 64.3 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: 48.21 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

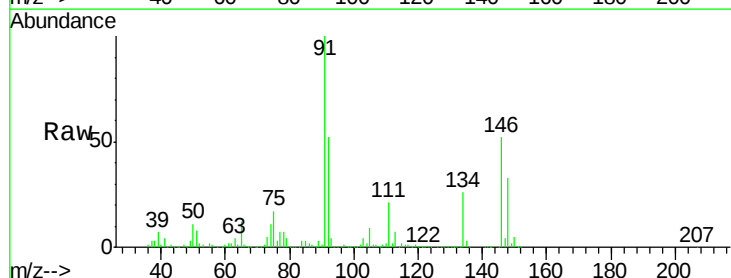
Tgt Ion: 91 Resp: 563048

Ion Ratio Lower Upper

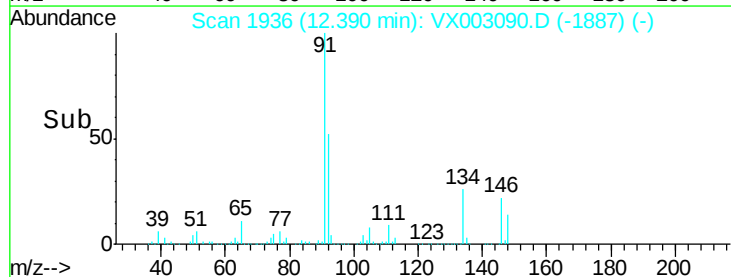
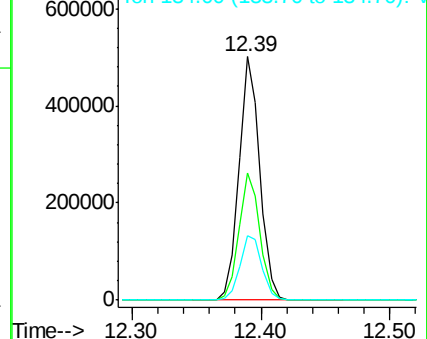
91 100

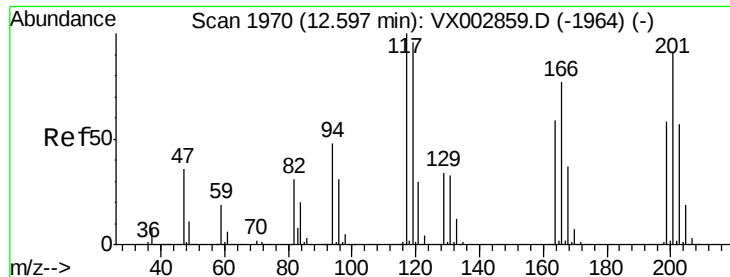
92 52.6 26.0 78.0

134 27.9 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: 49.64 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

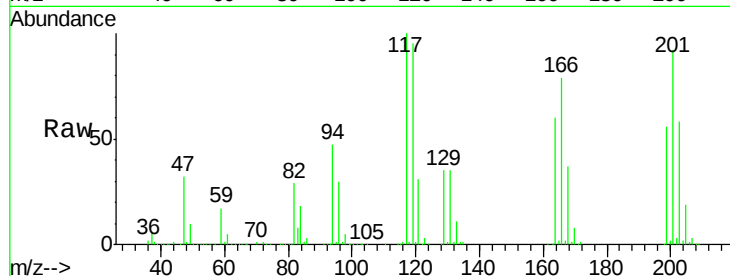
S73-0217MS

Tot Ion:117 Resp: 99070

Ion Ratio Lower Upper

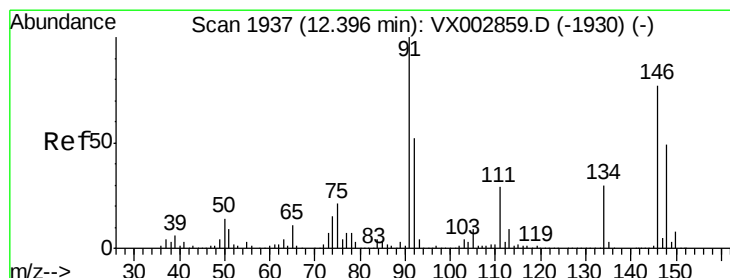
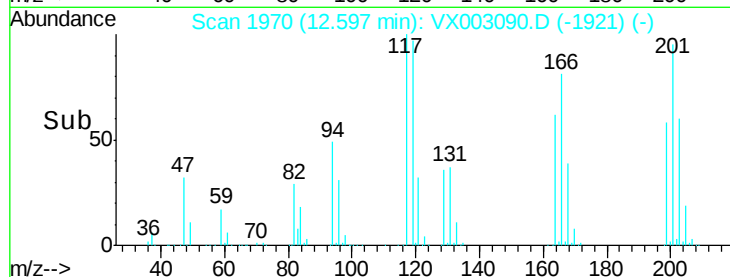
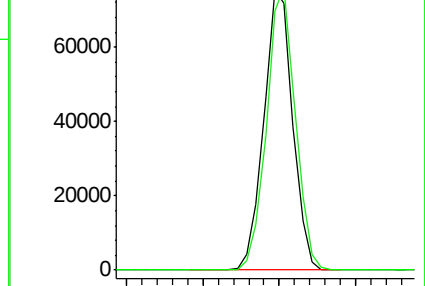
117 100

201 100.0 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: 51.10 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

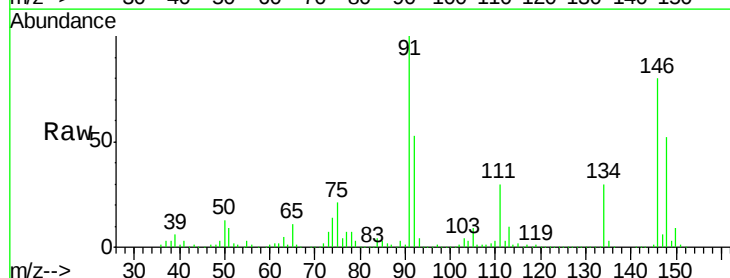
Tgt Ion:146 Resp: 397626

Ion Ratio Lower Upper

146 100

111 38.3 19.4 58.1

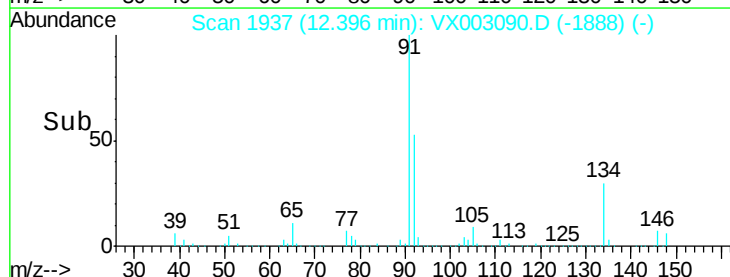
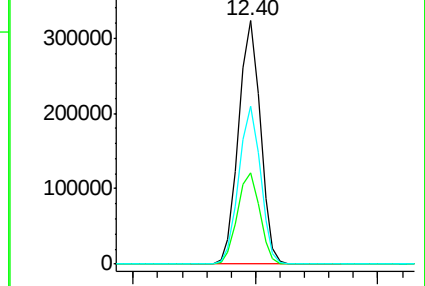
148 64.5 31.7 95.1

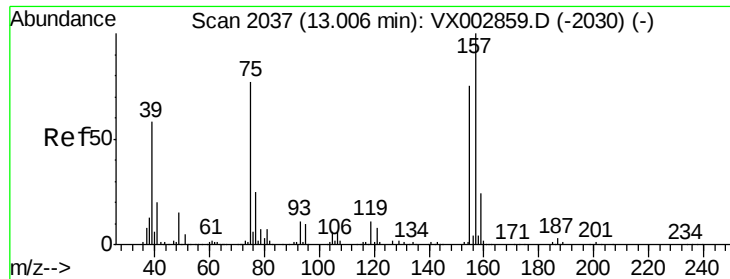


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

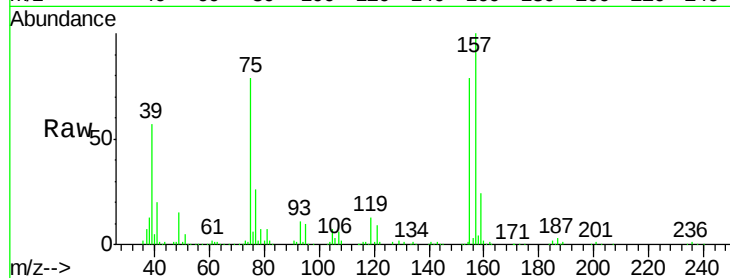




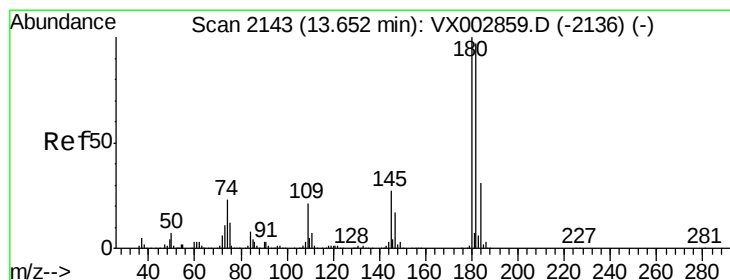
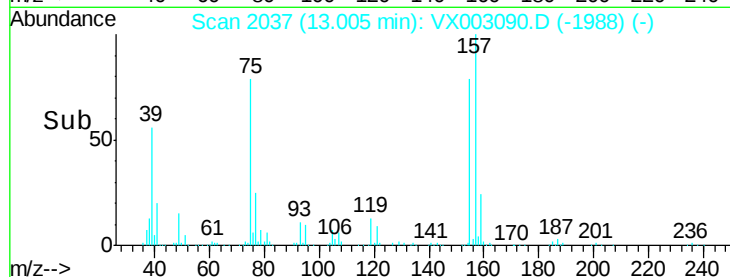
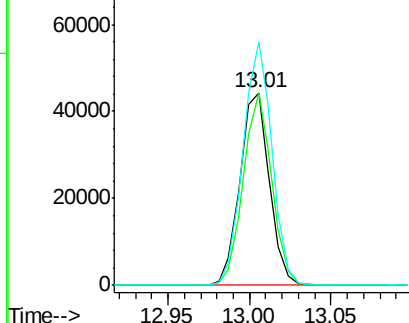
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.41 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MS

Tot Ion: 75 Resp: 55850
 Ion Ratio Lower Upper
 75 100
 155 97.2 45.8 137.4
 157 123.7 60.1 180.3

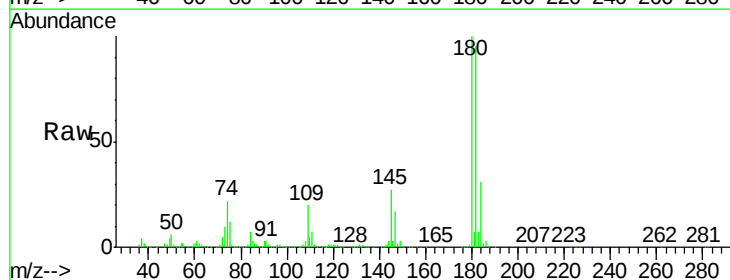


Abundance Ion 74.90 (74.60 to 75.60): VX
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

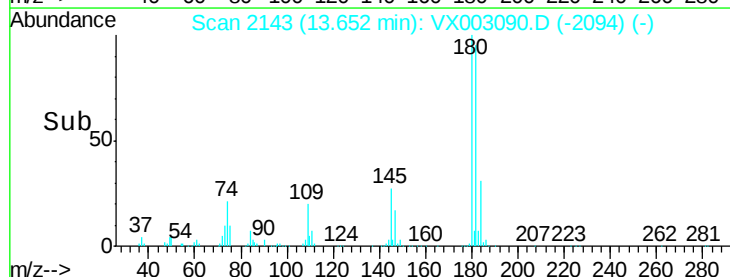
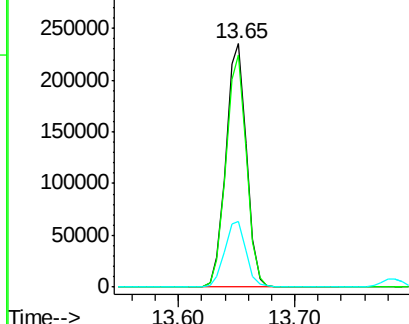


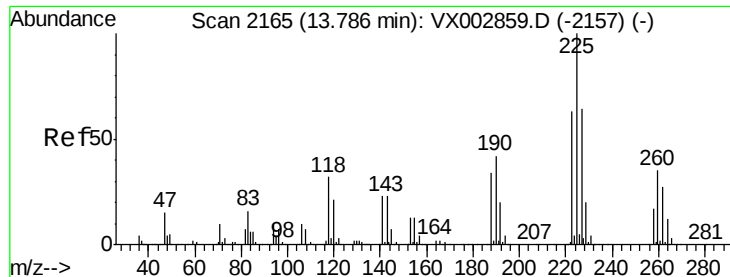
#93
 1,2,4-Trichlorobenzene
 Concen: 50.53 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

Tgt Ion:180 Resp: 286160
 Ion Ratio Lower Upper
 180 100
 182 95.1 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: 48.10 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

S73-0217MS

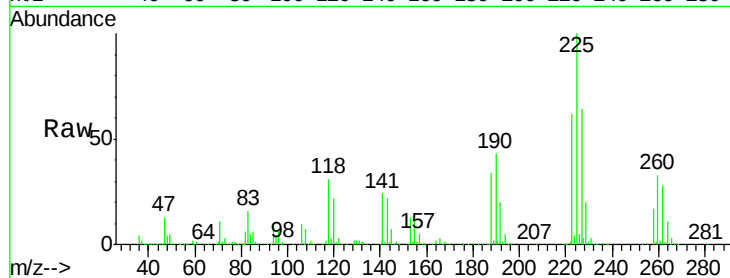
Tot Ion:225 Resp: 135838

Ion Ratio Lower Upper

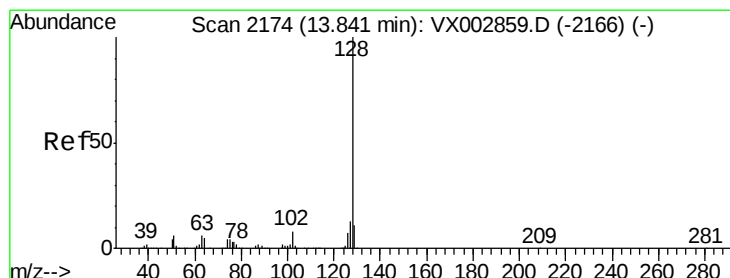
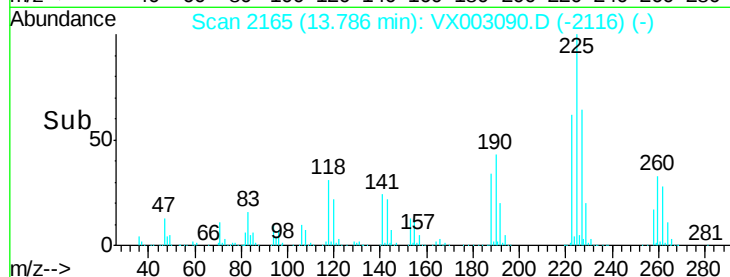
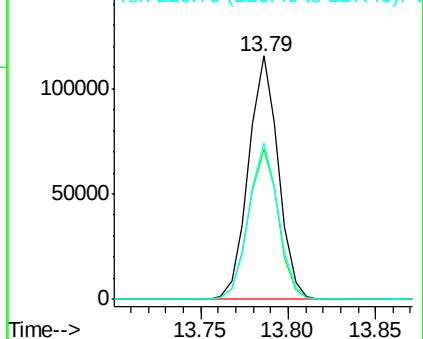
225 100

223 62.0 31.6 95.0

227 63.7 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: 56.53 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003090.D

Acq: 30 Jun 2018 20:16

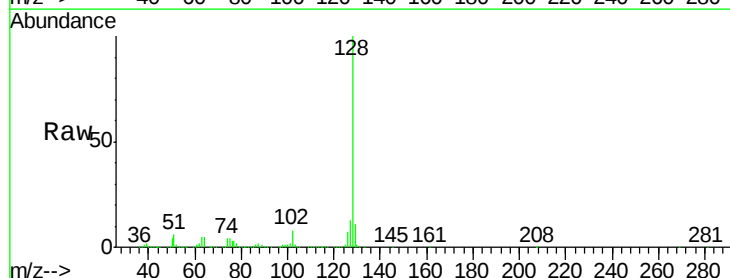
Tgt Ion:128 Resp: 852574

Ion Ratio Lower Upper

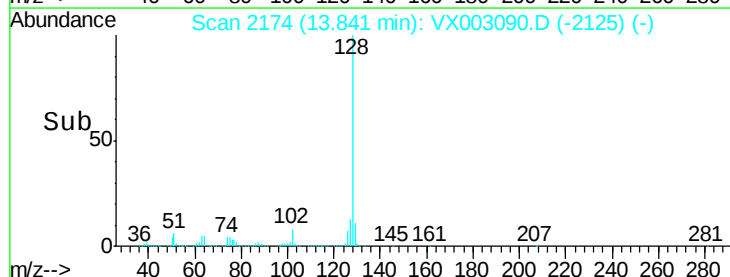
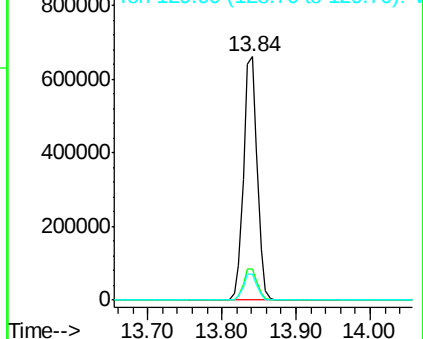
128 100

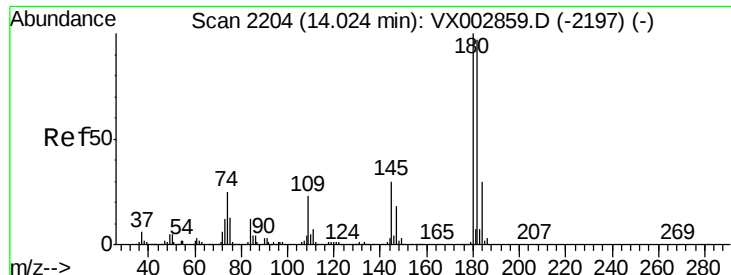
127 13.0 10.4 15.6

129 10.9 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

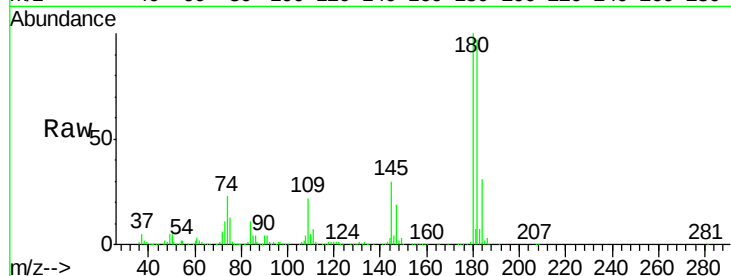




#96
 1,2,3-Trichlorobenzene
 Concen: 51.75 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX003090.D
 Acq: 30 Jun 2018 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0217MS

Tot Ion:180 Resp: 292722
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.0 144.0
 145 30.3 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

