

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003093.D
 Acq On : 30 Jun 2018 21:35
 Operator : JC/MD
 Sample : J3716-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0037MSD

Quant Time: Jul 02 02:48:01 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	277513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	386815	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	366188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228684	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	180152	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
35) Dibromofluoromethane	5.51	113	151648	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
50) Toluene-d8	8.72	98	526060	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
62) 4-Bromofluorobenzene	11.14	95	207057	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	143856	58.11	ug/l	98
3) Chloromethane	1.32	50	138832	54.06	ug/l	99
4) Vinyl Chloride	1.40	62	157501	50.18	ug/l	95
5) Bromomethane	1.64	94	61157	41.27	ug/l	99
6) Chloroethane	1.72	64	100126	54.57	ug/l	99
7) Trichlorofluoromethane	1.93	101	249312	47.09	ug/l	97
8) Diethyl Ether	2.19	74	92977	48.31	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	140614	45.84	ug/l	98
10) Methyl Iodide	2.51	142	143765	46.69	ug/l	97
11) Tert butyl alcohol	3.08	59	160852	210.51	ug/l	100
12) 1,1-Dichloroethene	2.37	96	128591	46.98	ug/l	94
13) Acrolein	2.29	56	56565	135.50	ug/l	98
14) Allyl chloride	2.73	41	248404	46.04	ug/l	96
15) Acrylonitrile	3.15	53	395055	242.05	ug/l	99
16) Acetone	2.45	43	350694	220.77	ug/l	96
17) Carbon Disulfide	2.57	76	334311	45.85	ug/l	98
18) Methyl Acetate	2.78	43	180024	40.53	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	473073	48.08	ug/l	99
20) Methylene Chloride	2.86	84	144620	46.78	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	139604	46.83	ug/l	95
22) Diisopropyl ether	3.88	45	509279	49.38	ug/l	99
23) Vinyl Acetate	3.83	43	2069285	236.97	ug/l	99
24) 1,1-Dichloroethane	3.70	63	265406	47.35	ug/l	99
25) 2-Butanone	4.71	43	579440	245.79	ug/l	98
26) 2,2-Dichloropropane	4.59	77	162514	35.66	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	167317	50.06	ug/l	92
28) Bromochloromethane	5.03	49	130445	48.62	ug/l	92
29) Tetrahydrofuran	5.17	42	373087	246.78	ug/l	96
30) Chloroform	5.22	83	285504	49.63	ug/l	100
31) Cyclohexane	5.57	56	336281	69.91	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	252511	49.89	ug/l	98
36) 1,1-Dichloropropene	5.81	75	202663	47.78	ug/l	99
37) Ethyl Acetate	4.87	43	214856	47.04	ug/l	99
38) Carbon Tetrachloride	5.79	117	224567	48.24	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX063018\
 Data File : VX003093.D
 Acq On : 30 Jun 2018 21:35
 Operator : JC/MD
 Sample : J3716-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0037MSD

Quant Time: Jul 02 02:48:01 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	326008	65.98	ug/l	97
40) Benzene	6.15	78	604571	49.05	ug/l	100
41) Methacrylonitrile	5.07	41	132242	50.28	ug/l	98
42) 1,2-Dichloroethane	6.20	62	231175	46.43	ug/l	98
43) Isopropyl Acetate	6.47	43	359082	46.88	ug/l	98
44) Trichloroethene	7.22	130	176038	47.91	ug/l	98
45) 1,2-Dichloropropane	7.52	63	160332	49.04	ug/l	97
46) Dibromomethane	7.67	93	109604	48.31	ug/l	96
47) Bromodichloromethane	7.90	83	208884	49.80	ug/l	99
48) Methyl methacrylate	7.78	41	196260	49.73	ug/l	97
49) 1,4-Dioxane	7.76	88	65365	851.24	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1186341	247.54	ug/l	97
52) Toluene	8.79	92	390023	49.40	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	230905	48.61	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	216872	47.45	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	162460	50.07	ug/l	98
56) Ethyl methacrylate	9.18	69	247831	52.26	ug/l	94
57) 1,3-Dichloropropane	9.38	76	263632	49.47	ug/l	100
59) 2-Hexanone	9.50	43	894543	245.60	ug/l	96
60) Dibromochloromethane	9.59	129	175028	51.24	ug/l	98
61) 1,2-Dibromoethane	9.68	107	171207	50.31	ug/l	100
64) Tetrachloroethene	9.34	164	183587	45.09	ug/l	98
65) Chlorobenzene	10.14	112	451147	48.50	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	170140	50.35	ug/l	100
67) Ethyl Benzene	10.26	91	1031883	67.16	ug/l	99
68) m/p-Xylenes	10.36	106	1168343	197.30	ug/l	97
69) o-Xylene	10.70	106	291407	50.54	ug/l	98
70) Styrene	10.71	104	483094	51.56	ug/l	99
71) Bromoform	10.86	173	135668	44.87	ug/l	# 100
73) Isopropylbenzene	11.02	105	1046686	68.04	ug/l	100
74) N-amyl acetate	6.47	43	359082	47.70	ug/l	# 98
75) 1,1,2,2-Tetrachloroethane	11.27	83	242337	51.14	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	269266	65.00	ug/l	80
77) Bromobenzene	11.26	156	220414	50.31	ug/l	97
78) n-propylbenzene	11.37	91	1124920	64.24	ug/l	98
79) 2-Chlorotoluene	11.43	91	649217	61.24	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	1047014	80.81	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	58763	41.75	ug/l	99
82) 4-Chlorotoluene	11.51	91	662211	52.76	ug/l	99
83) tert-Butylbenzene	11.77	119	674774	52.84	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	1792489	133.52	ug/l	98
85) sec-Butylbenzene	11.95	105	783238	50.56	ug/l	98
86) p-Isopropyltoluene	12.07	119	710850	51.04	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	398485	49.80	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	400850	48.68	ug/l	99
89) n-Butylbenzene	12.39	91	599547	49.46	ug/l	98
90) Hexachloroethane	12.60	117	108574	52.41	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	401795	49.75	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	54233	50.91	ug/l	94
93) 1,2,4-Trichlorobenzene	13.65	180	291110	49.53	ug/l	99

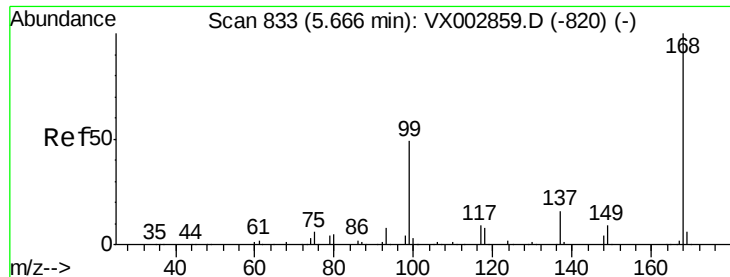
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
Data File : VX003093.D
Acq On : 30 Jun 2018 21:35
Operator : JC/MD
Sample : J3716-06MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S22-0037MSD

Quant Time: Jul 02 02:48:01 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)
94) Hexachlorobutadiene	13.79	225	138830	47.36	ug/l	99
95) Naphthalene	13.84	128	987132	63.06	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	297718	50.71	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

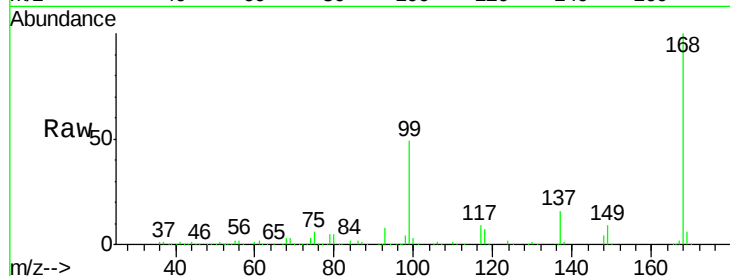
S22-0037MSD

Tot Ion:168 Resp: 277513

Ion Ratio Lower Upper

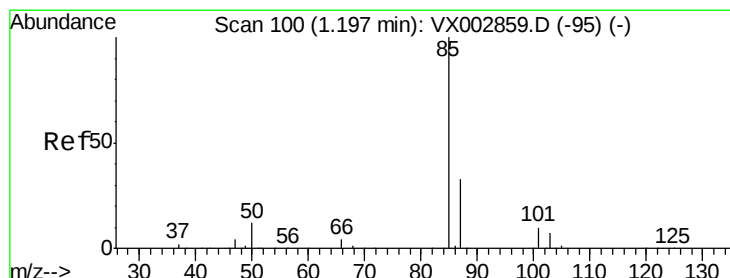
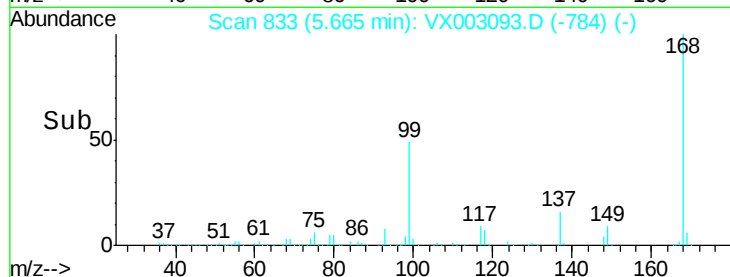
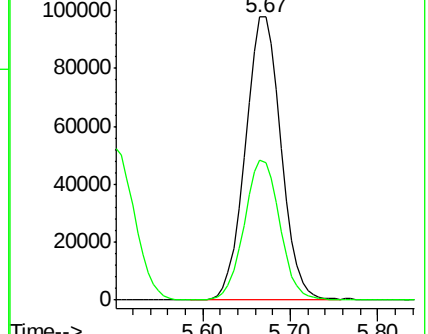
168 100

99 49.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 58.11 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003093.D

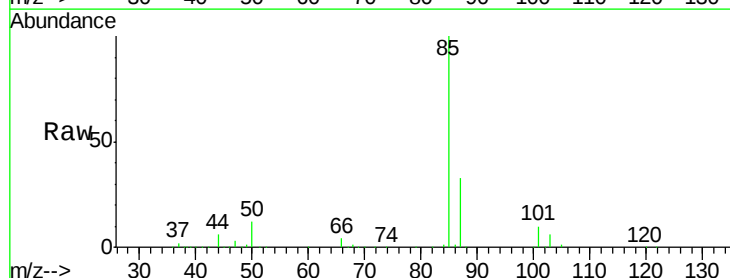
Acq: 30 Jun 2018 21:35

Tgt Ion: 85 Resp: 143856

Ion Ratio Lower Upper

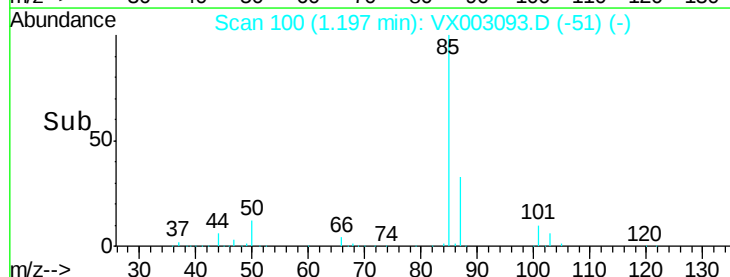
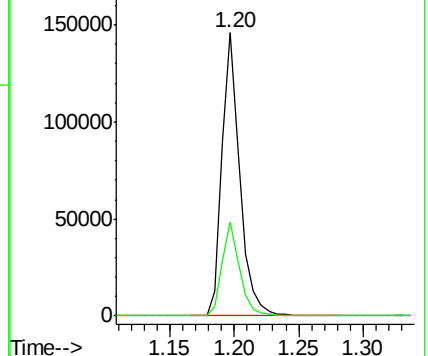
85 100

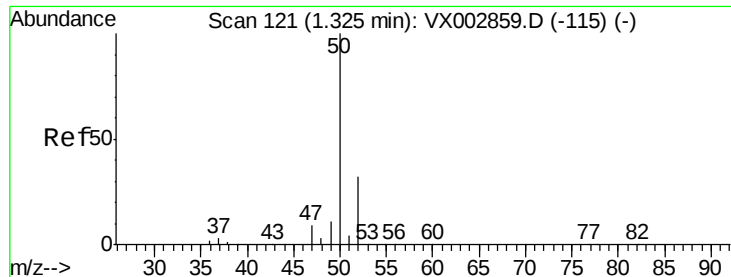
87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 54.06 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

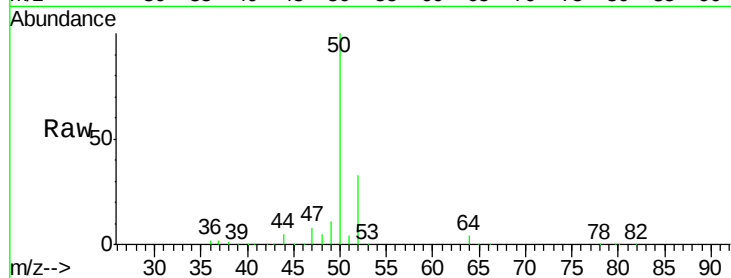
S22-0037MSD

Tot Ion: 50 Resp: 138832

Ion Ratio Lower Upper

50 100

52 32.8 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

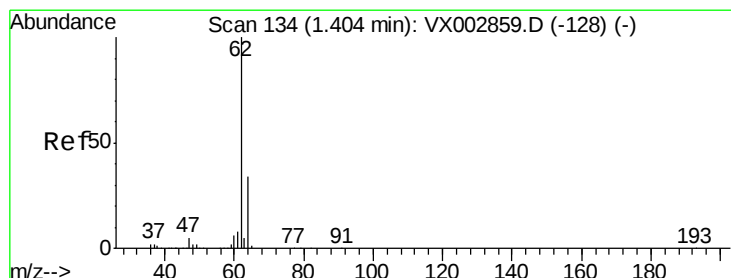
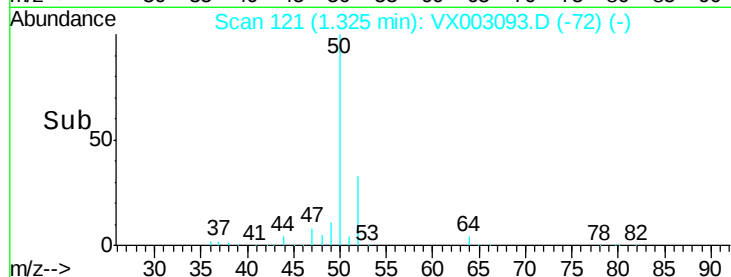
100000

50000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 50.18 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003093.D

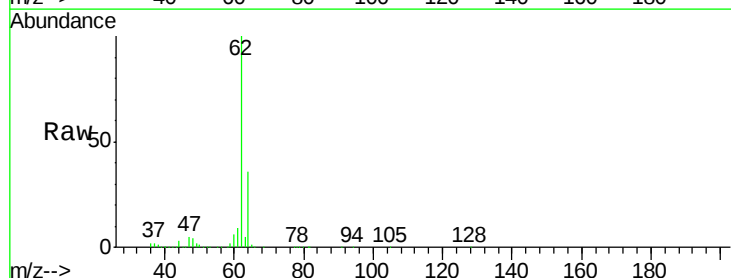
Acq: 30 Jun 2018 21:35

Tgt Ion: 62 Resp: 157501

Ion Ratio Lower Upper

62 100

64 34.3 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

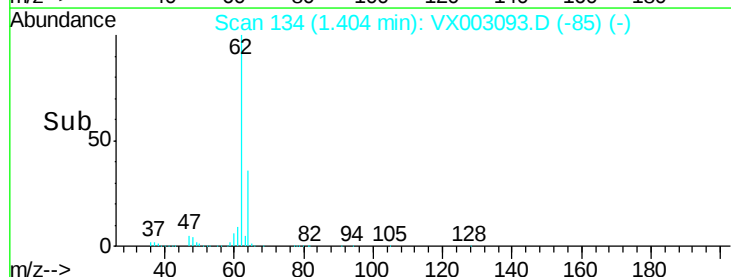
100000

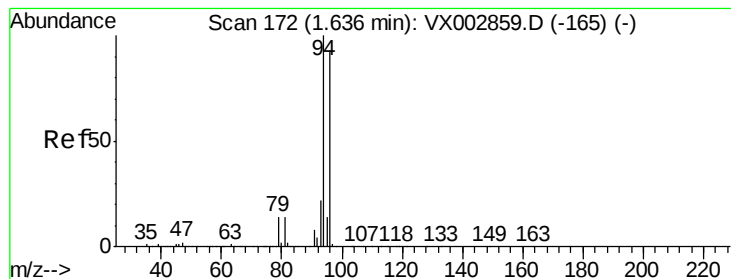
50000

0

1.30 1.40 1.50 1.60

Time-->





#5

Bromomethane

Concen: 41.27 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

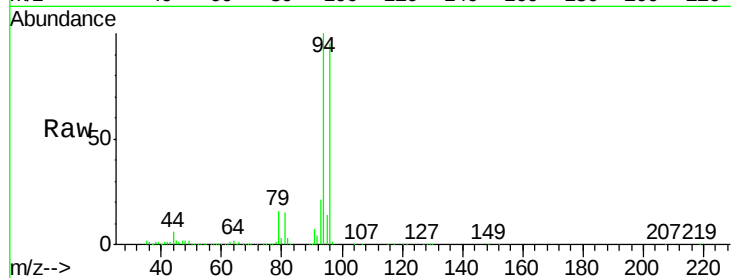
S22-0037MSD

Tot Ion: 94 Resp: 61157

Ion Ratio Lower Upper

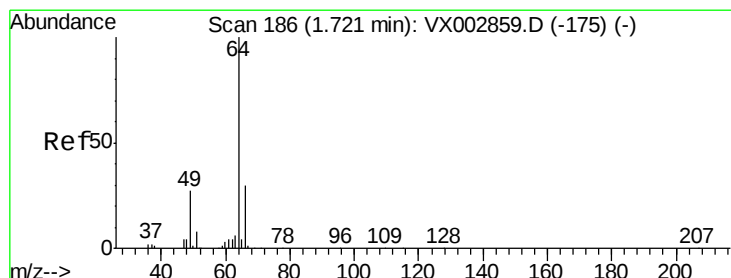
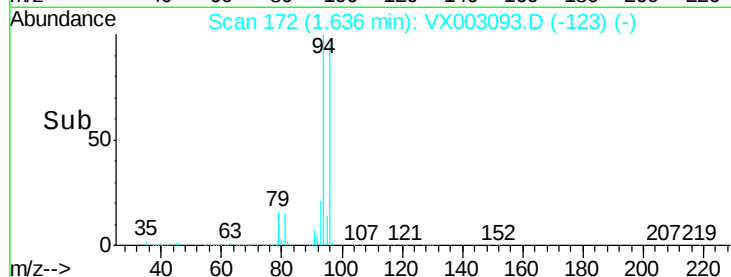
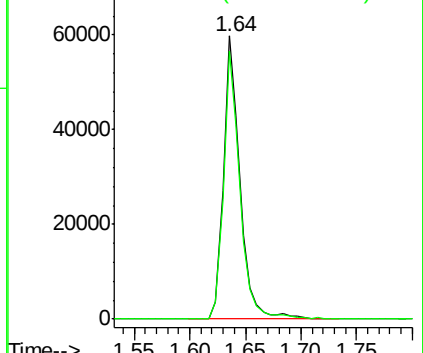
94 100

96 94.8 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: 54.57 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX003093.D

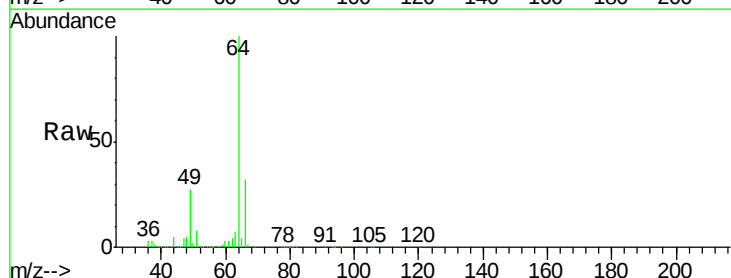
Acq: 30 Jun 2018 21:35

Tgt Ion: 64 Resp: 100126

Ion Ratio Lower Upper

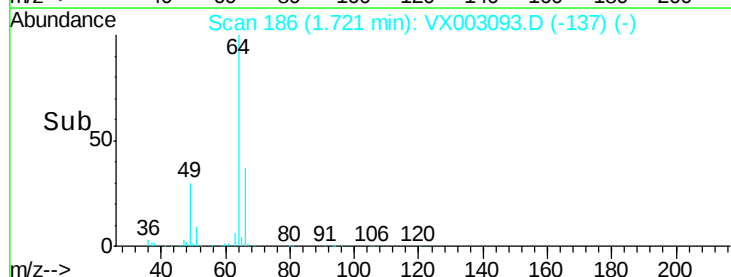
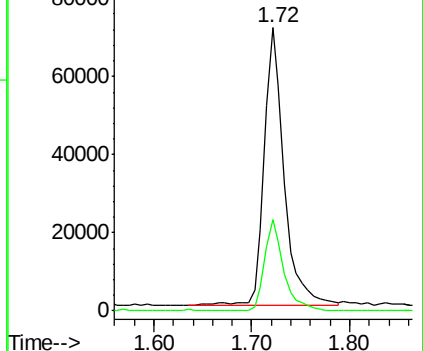
64 100

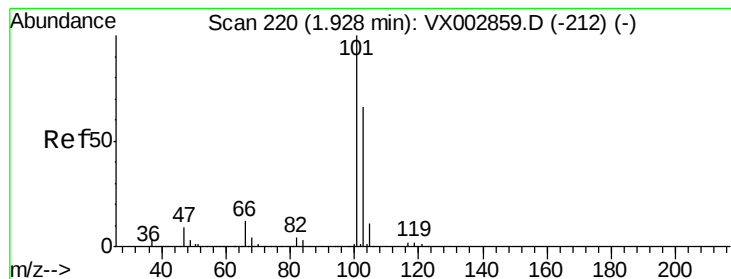
66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 47.09 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

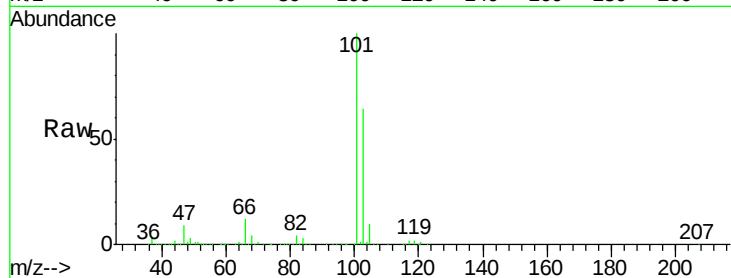
S22-0037MSD

Tot Ion:101 Resp: 249312

Ion Ratio Lower Upper

101 100

103 64.0 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

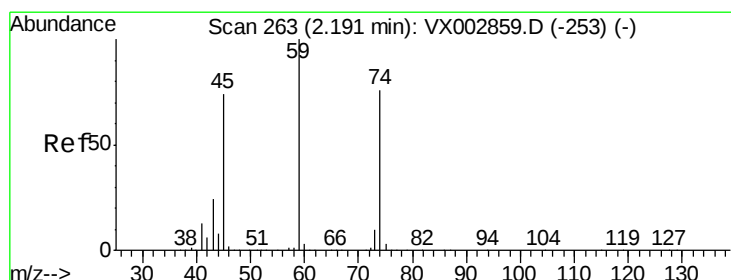
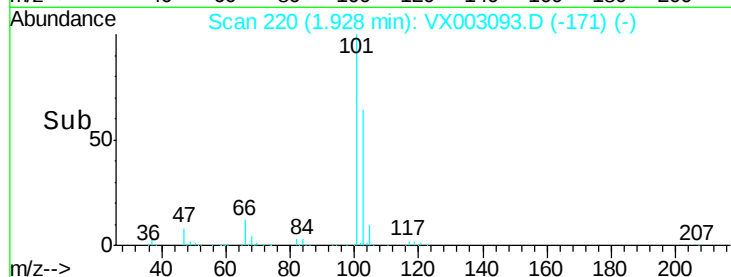
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 48.31 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003093.D

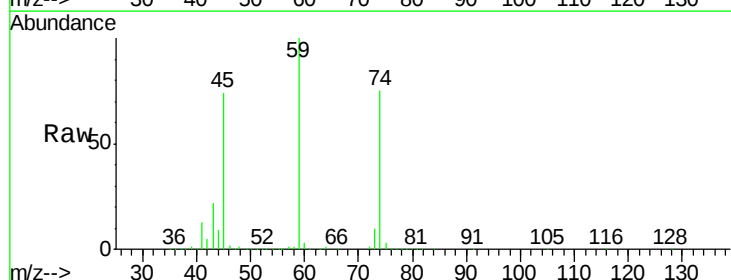
Acq: 30 Jun 2018 21:35

Tgt Ion: 74 Resp: 92977

Ion Ratio Lower Upper

74 100

45 102.1 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

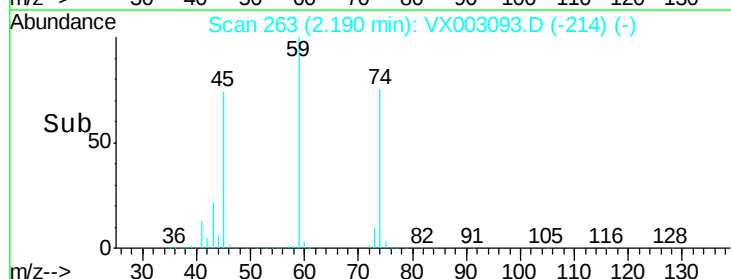
60000

40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.84 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

S22-0037MSD

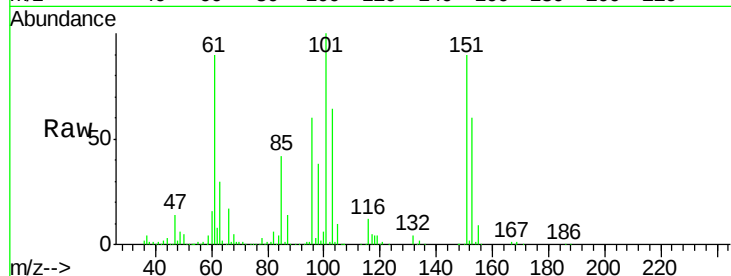
Tot Ion:101 Resp: 140614

Ion Ratio Lower Upper

101 100

85 43.9 36.0 54.0

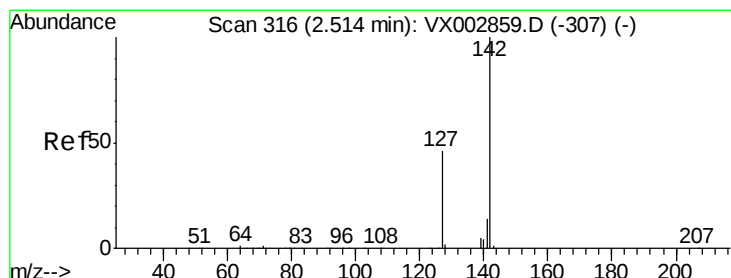
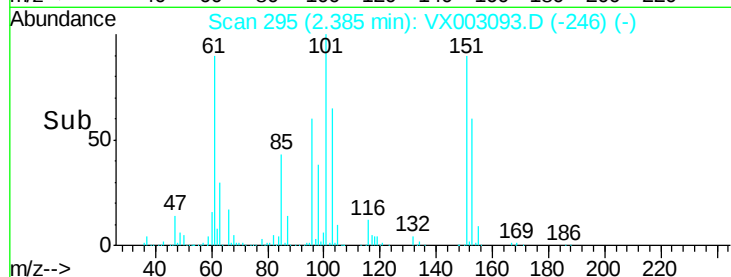
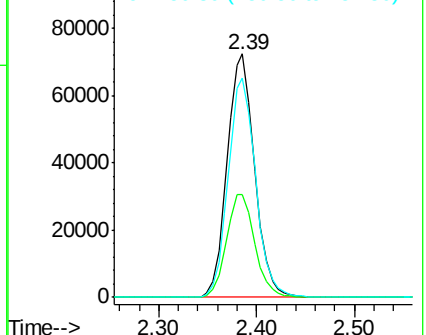
151 90.5 70.9 106.3



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: 46.69 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

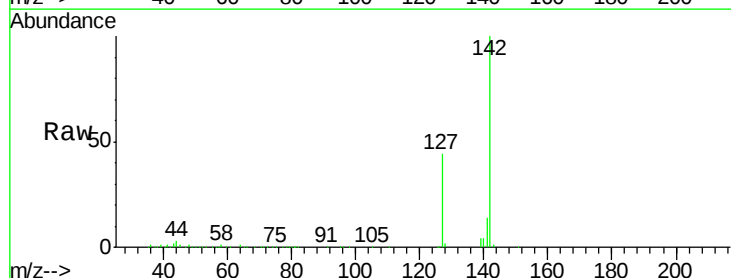
Tgt Ion:142 Resp: 143765

Ion Ratio Lower Upper

142 100

127 43.6 36.6 55.0

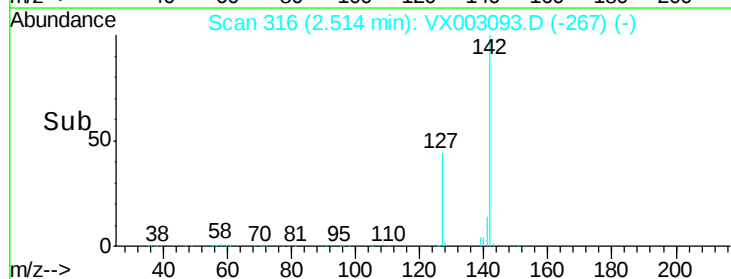
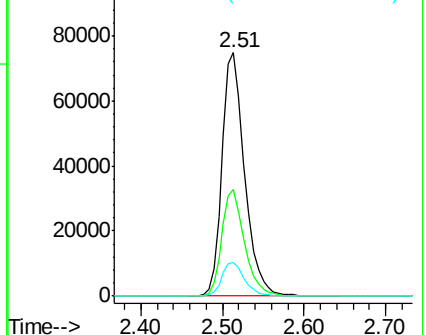
141 14.1 11.3 16.9

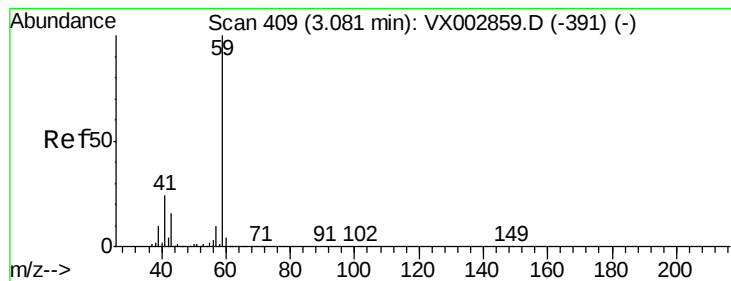


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



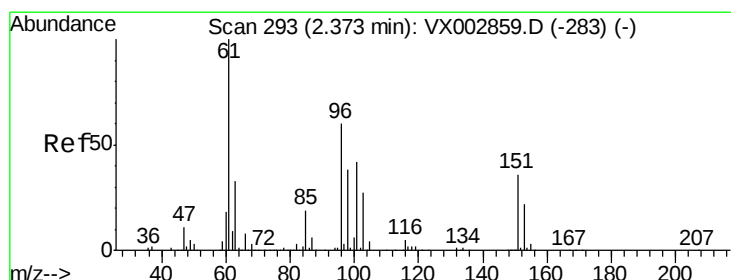
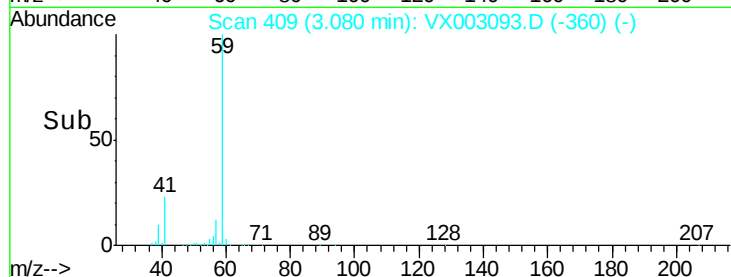
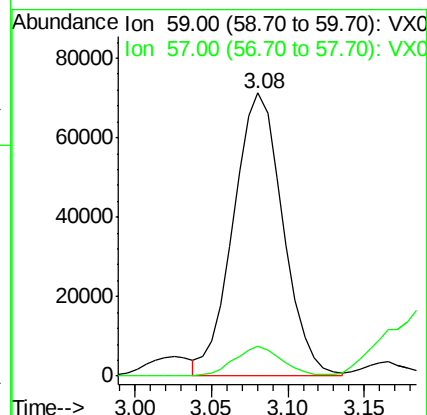
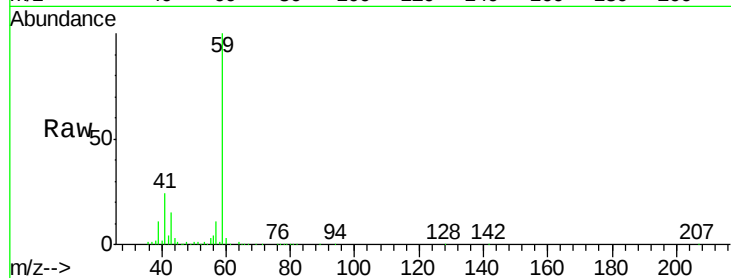


#11

Tert butyl alcohol
 Concen: 210.51 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0037MSD

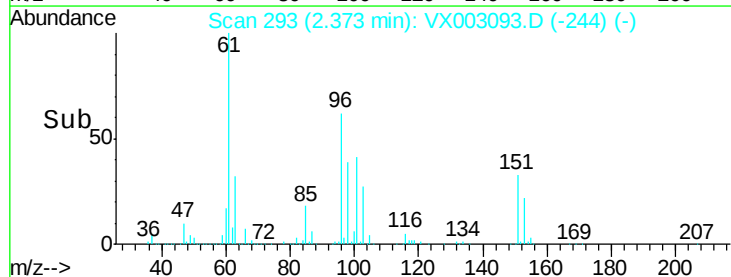
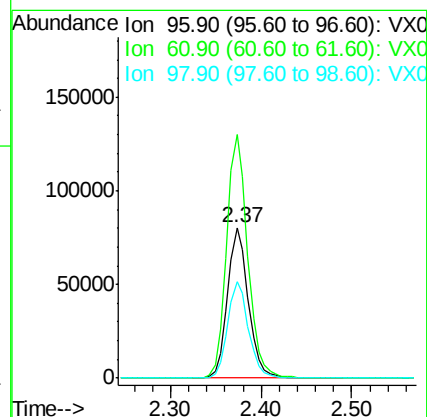
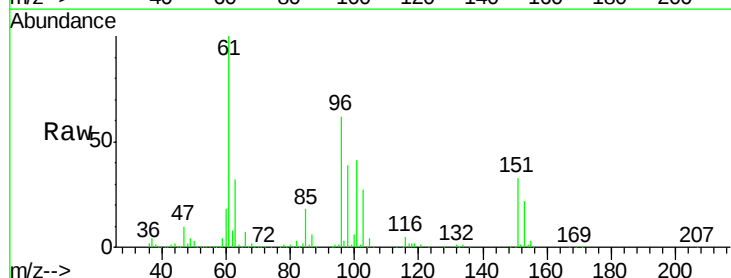
Tot Ion: 59 Resp: 160852
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2



#12

1,1-Dichloroethene
 Concen: 46.98 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

Tgt Ion: 96 Resp: 128591
 Ion Ratio Lower Upper
 96 100
 61 161.5 137.9 206.9
 98 63.6 51.6 77.4





#13

Acrolein

Concen: 135.50 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

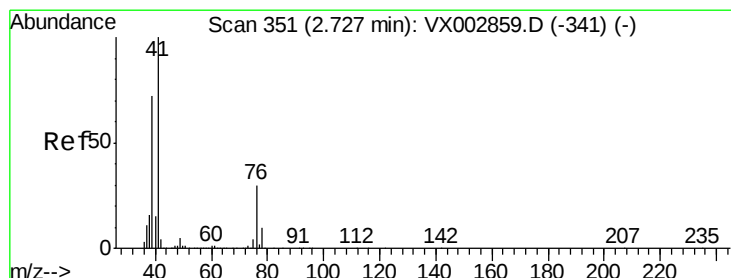
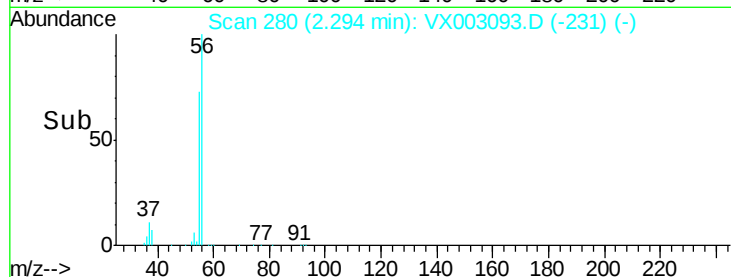
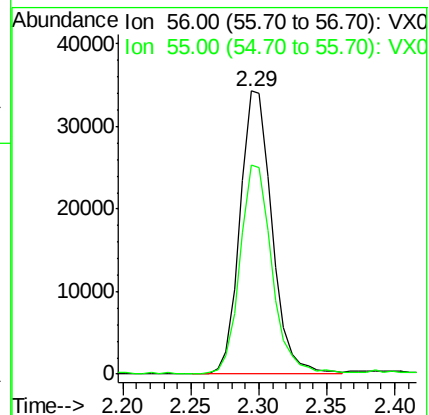
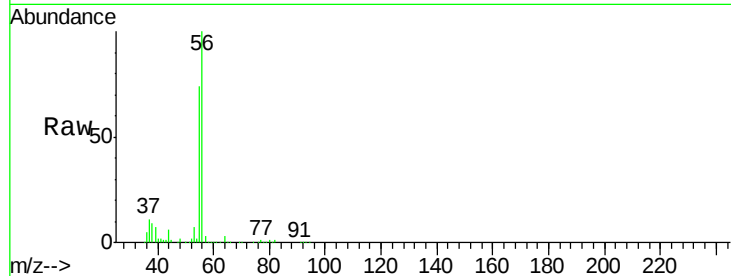
S22-0037MSD

Tot Ion: 56 Resp: 56565

Ion Ratio Lower Upper

56 100

55 72.6 57.0 85.4



#14

Allyl chloride

Concen: 46.04 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

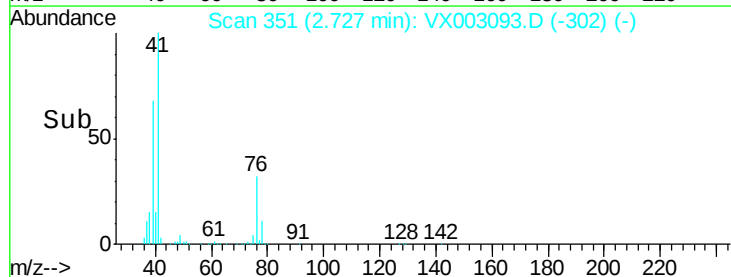
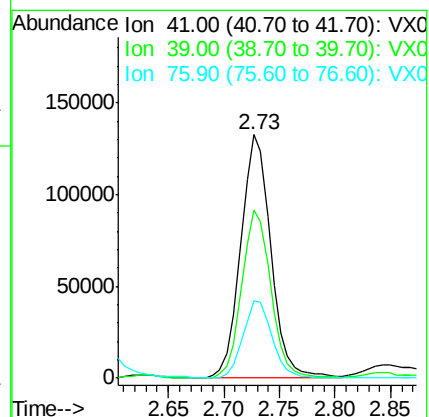
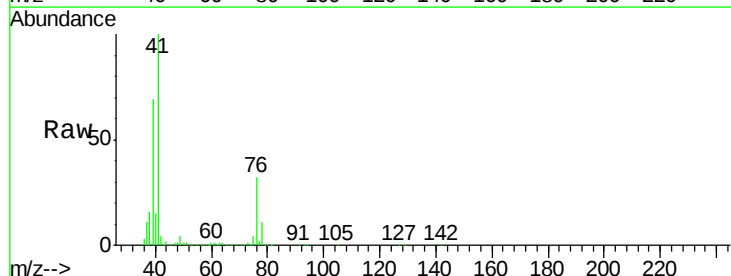
Tgt Ion: 41 Resp: 248404

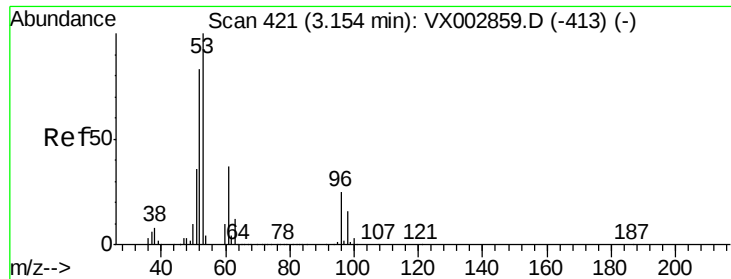
Ion Ratio Lower Upper

41 100

39 66.6 56.8 85.2

76 30.7 23.8 35.8





#15

Acrylonitrile

Concen: 242.05 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampled :

S22-0037MSD

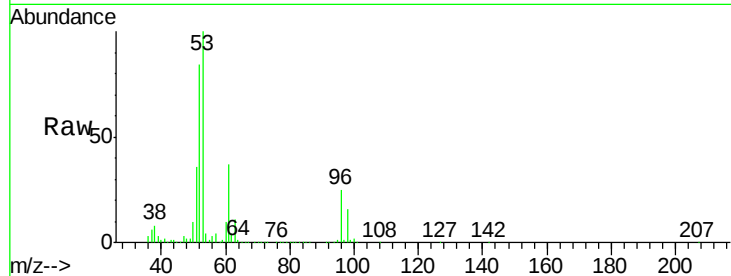
Tot Ion: 53 Resp: 395055

Ion Ratio Lower Upper

53 100

52 83.0 66.7 100.1

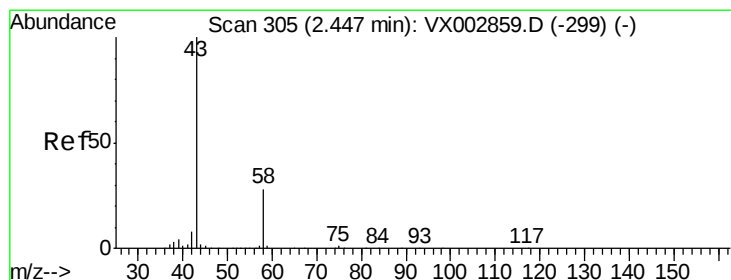
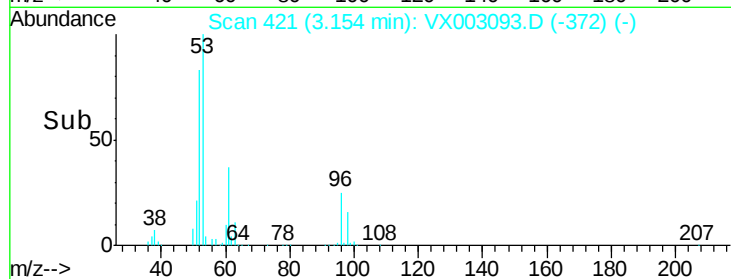
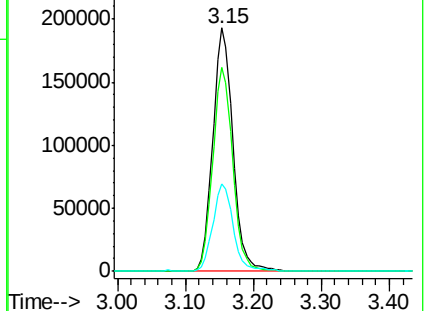
51 36.5 29.9 44.9



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: 220.77 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003093.D

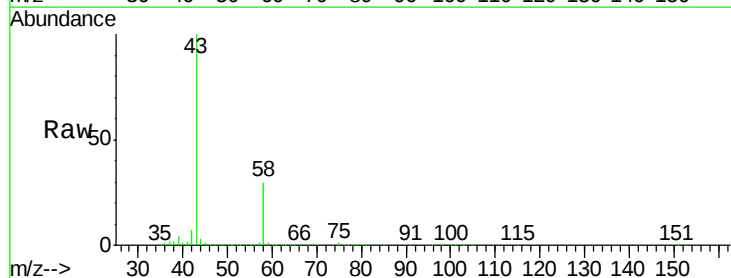
Acq: 30 Jun 2018 21:35

Tgt Ion: 43 Resp: 350694

Ion Ratio Lower Upper

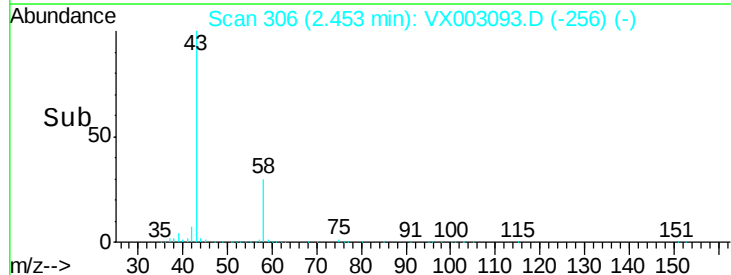
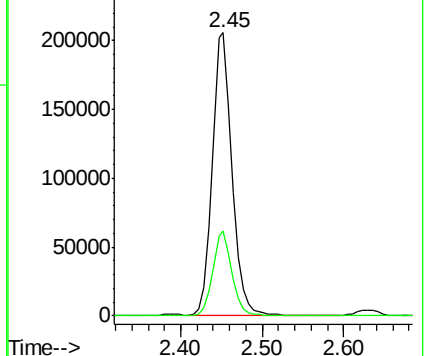
43 100

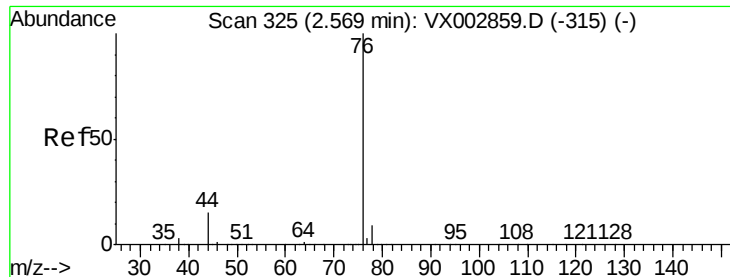
58 29.8 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

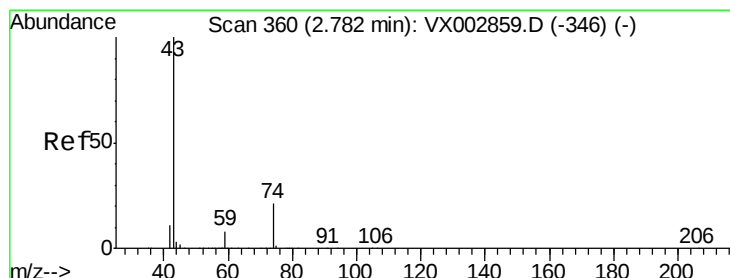
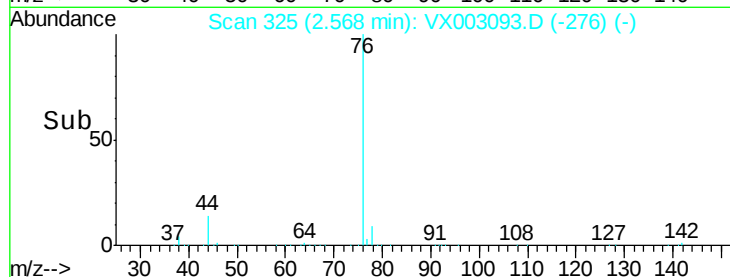
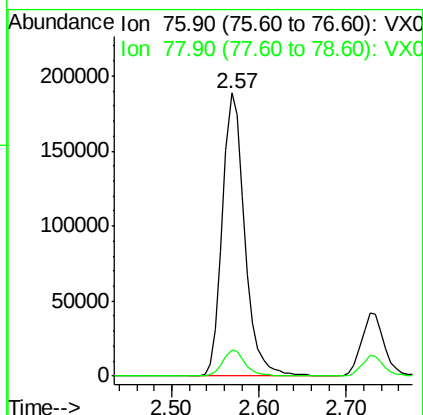
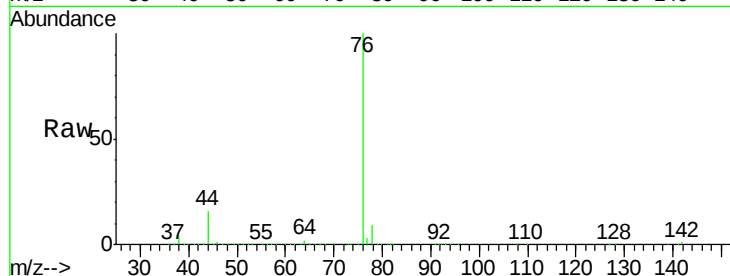




#17
Carbon Disulfide
Concen: 45.85 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

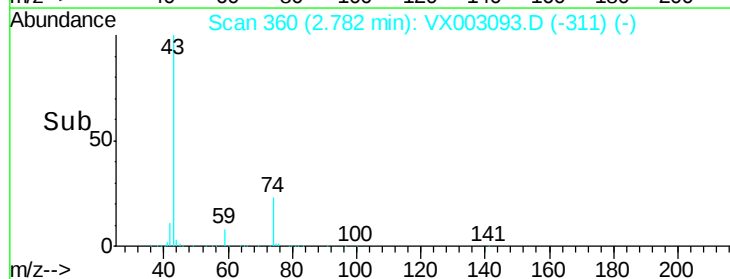
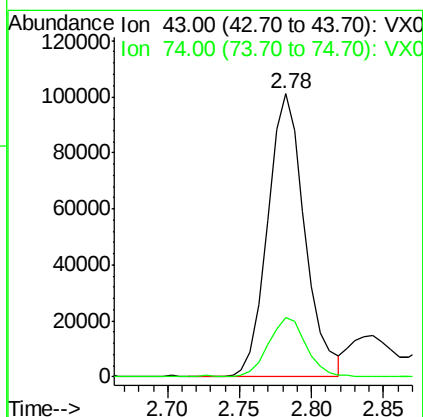
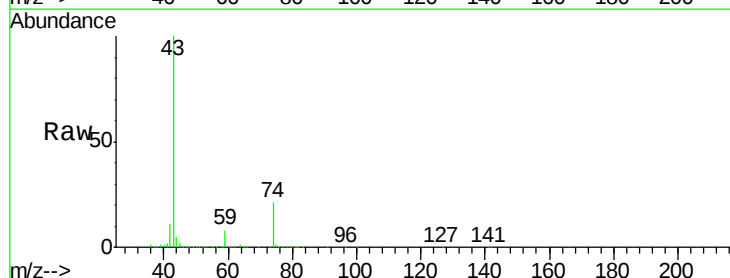
Instrument :
MSVOA_X
ClientSampleId :
S22-0037MSD

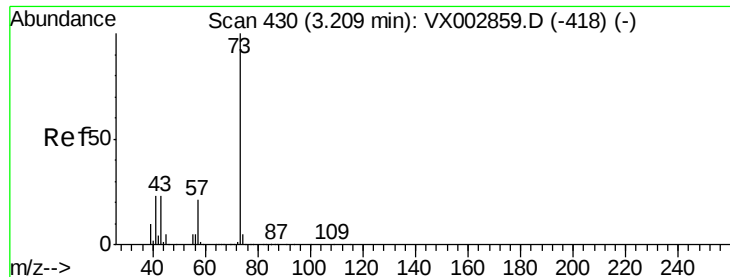
Tot Ion: 76 Resp: 334311
Ion Ratio Lower Upper
76 100
78 9.3 6.9 10.3



#18
Methyl Acetate
Concen: 40.53 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

Tgt Ion: 43 Resp: 180024
Ion Ratio Lower Upper
43 100
74 21.2 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 48.08 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

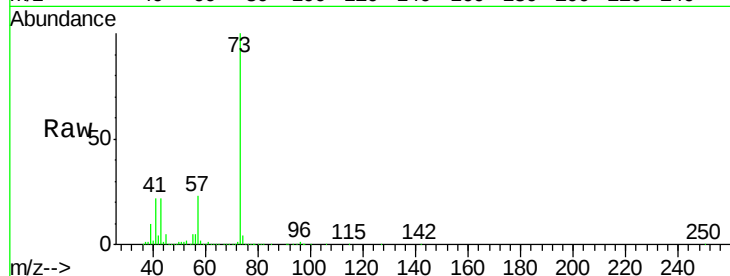
S22-0037MSD

Tot Ion: 73 Resp: 473073

Ion Ratio Lower Upper

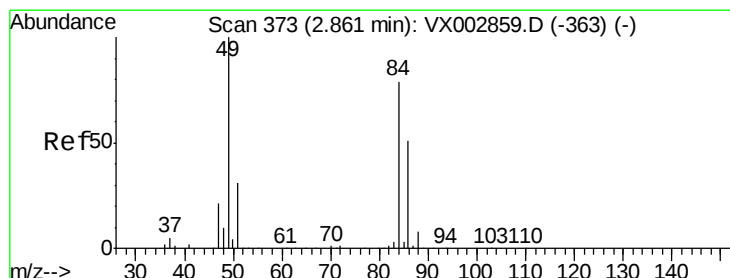
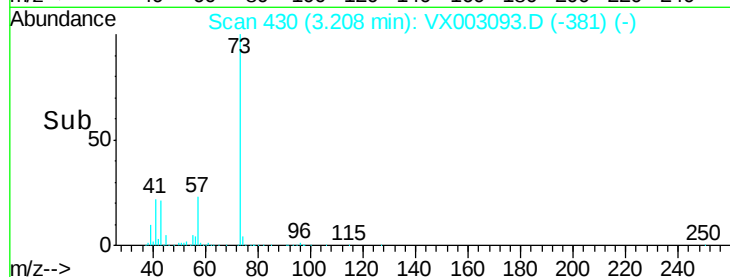
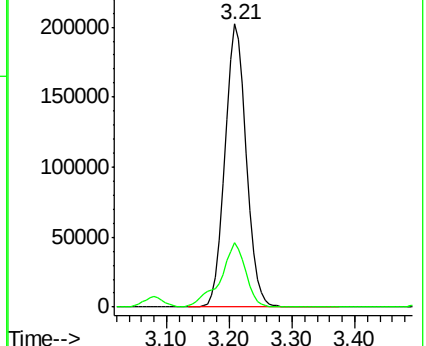
73 100

57 22.7 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 46.78 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Tgt Ion: 84 Resp: 144620

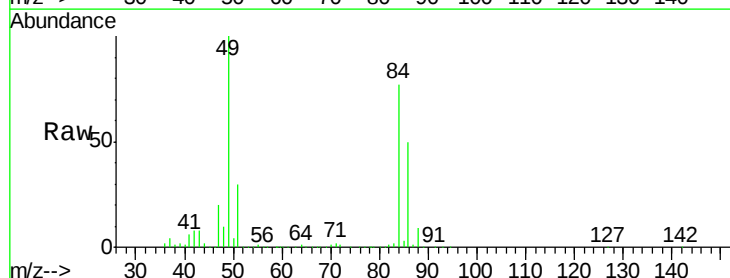
Ion Ratio Lower Upper

84 100

49 129.2 107.8 161.6

51 39.2 32.8 49.2

86 64.9 52.5 78.7

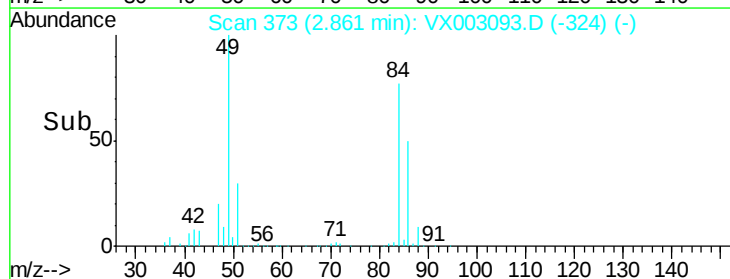
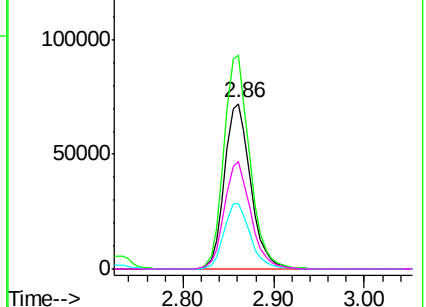


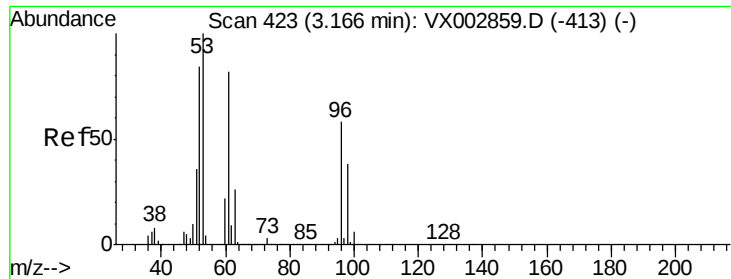
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 46.83 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

S22-0037MSD

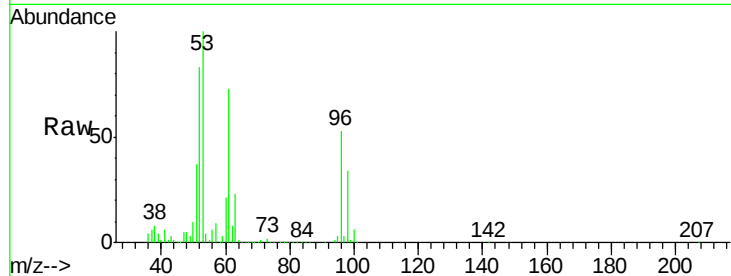
Tot Ion: 96 Resp: 139604

Ion Ratio Lower Upper

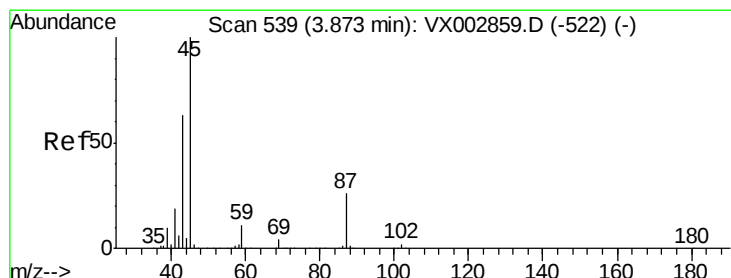
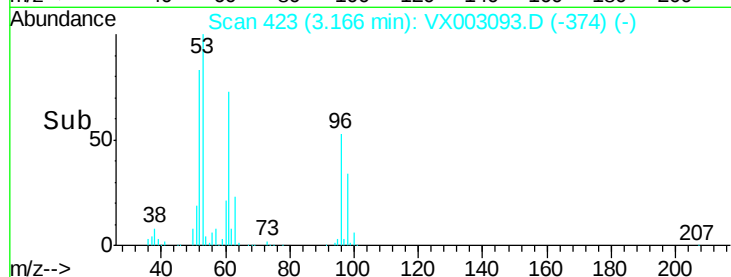
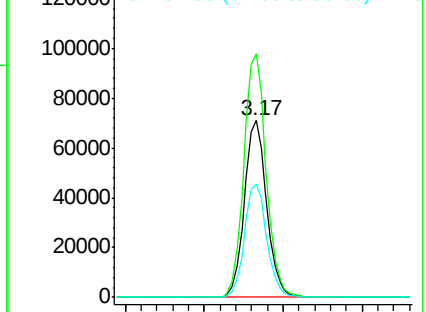
96 100

61 137.5 117.0 175.4

98 64.0 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: 49.38 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Tgt Ion: 45 Resp: 509279

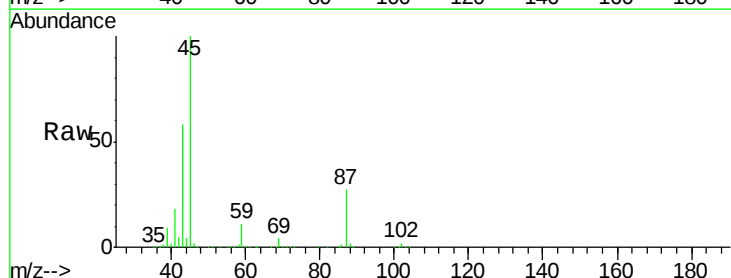
Ion Ratio Lower Upper

45 100

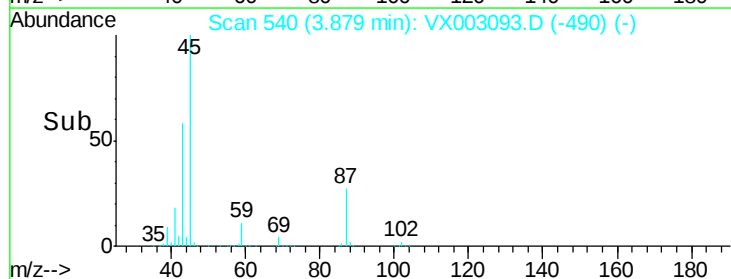
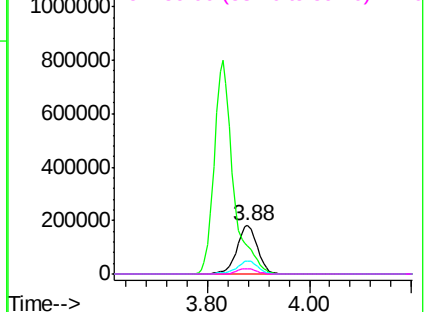
43 58.0 46.8 70.2

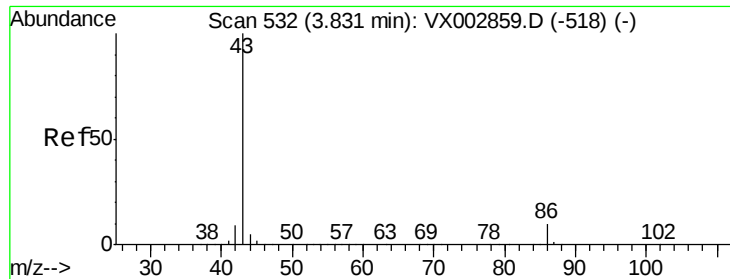
87 27.0 20.2 30.4

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: 236.97 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

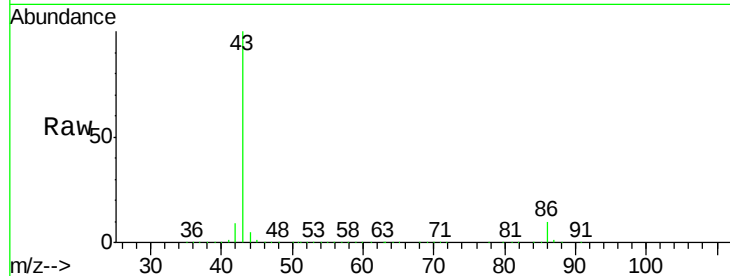
S22-0037MSD

Tot Ion: 43 Resp: 2069285

Ion Ratio Lower Upper

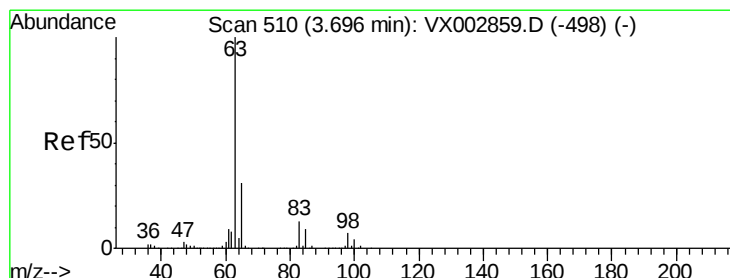
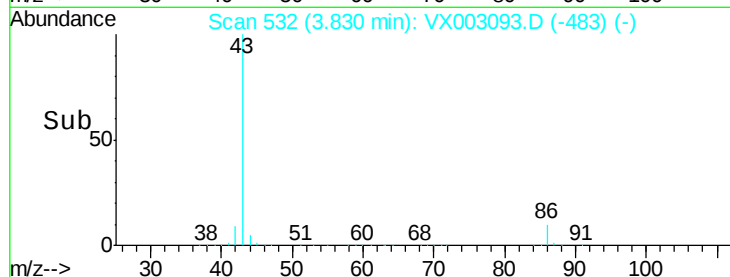
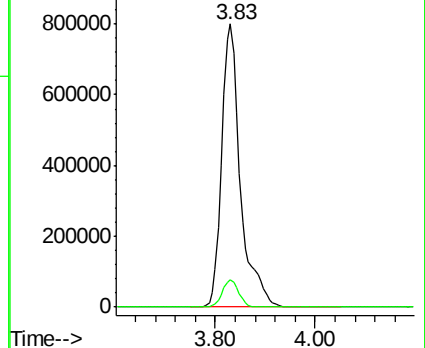
43 100

86 9.7 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: 47.35 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

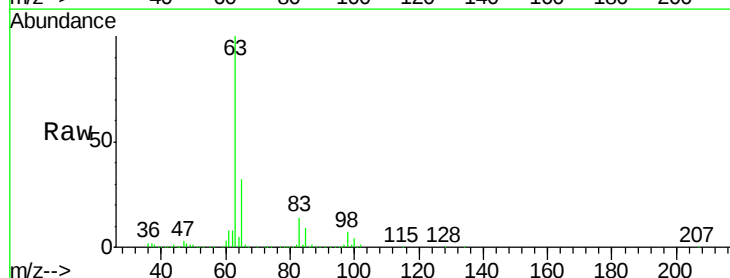
Tgt Ion: 63 Resp: 265406

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

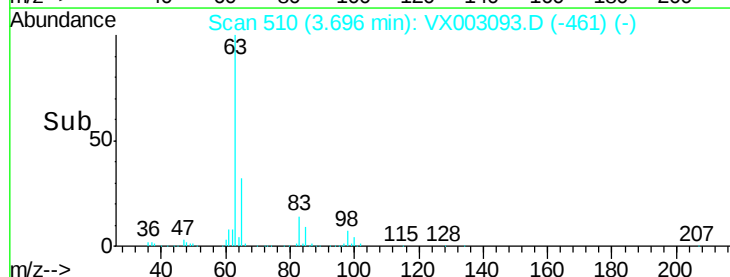
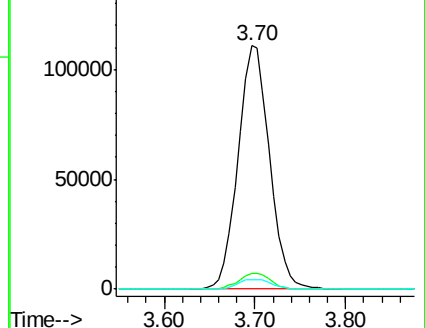
100 4.1 2.0 6.0

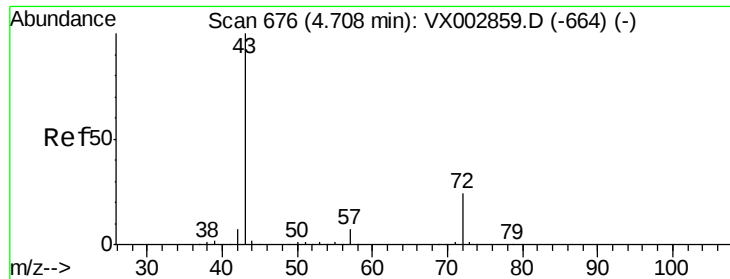


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 245.79 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

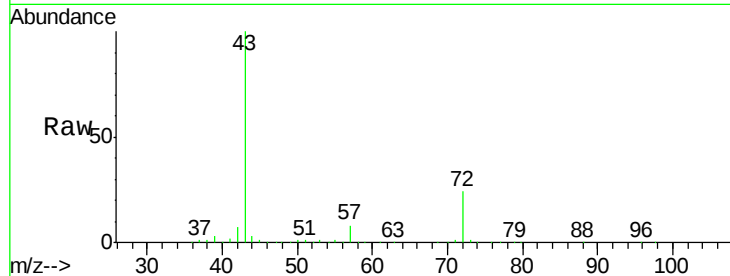
S22-0037MSD

Tot Ion: 43 Resp: 579440

Ion Ratio Lower Upper

43 100

72 24.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

200000

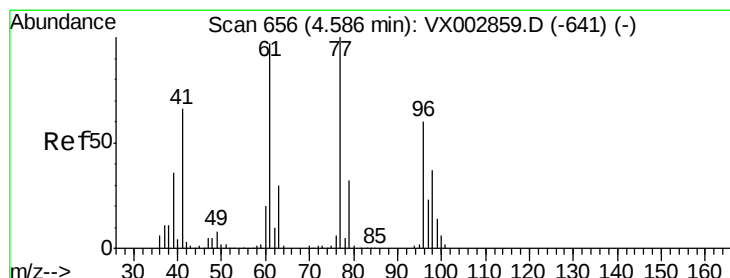
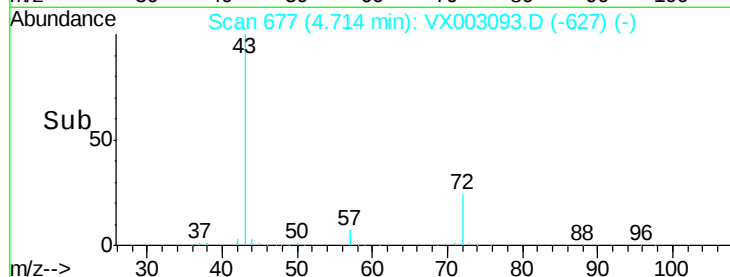
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 35.66 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003093.D

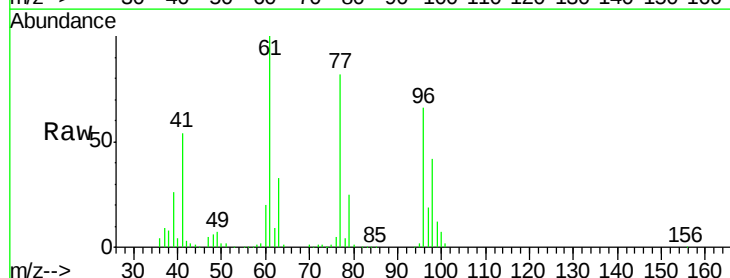
Acq: 30 Jun 2018 21:35

Tgt Ion: 77 Resp: 162514

Ion Ratio Lower Upper

77 100

97 24.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

60000

50000

40000

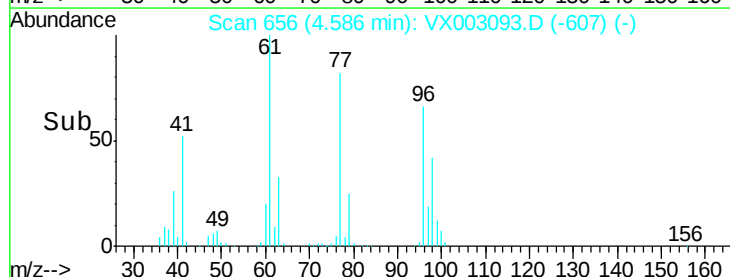
30000

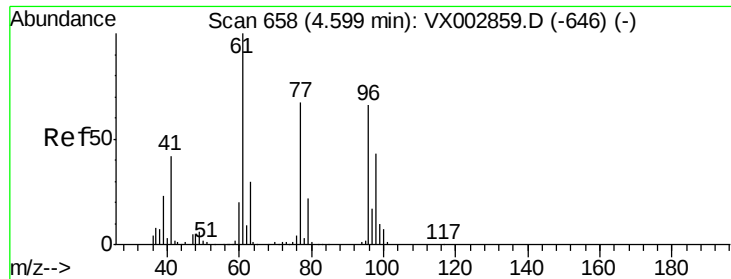
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.06 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

S22-0037MSD

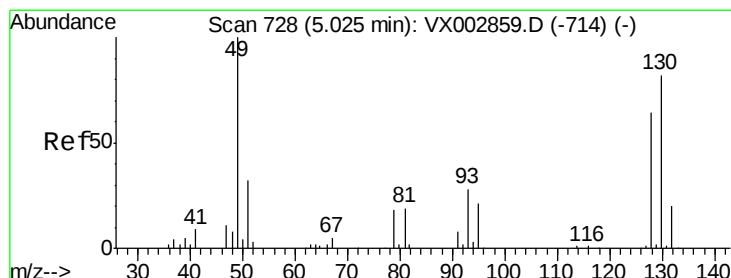
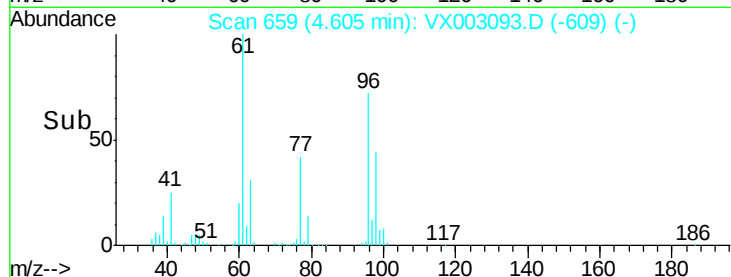
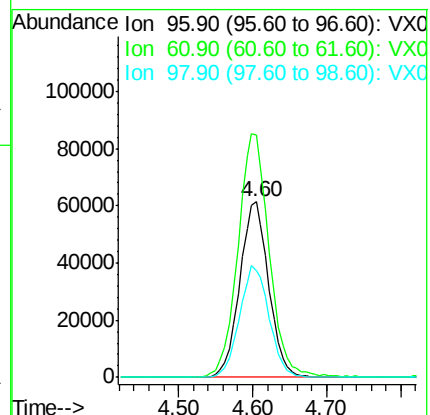
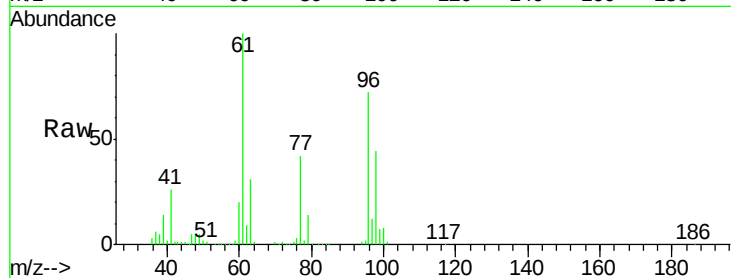
Tot Ion: 96 Resp: 167317

Ion Ratio Lower Upper

96 100

61 150.5 0.0 330.2

98 65.1 0.0 130.2



#28

Bromochloromethane

Concen: 48.62 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

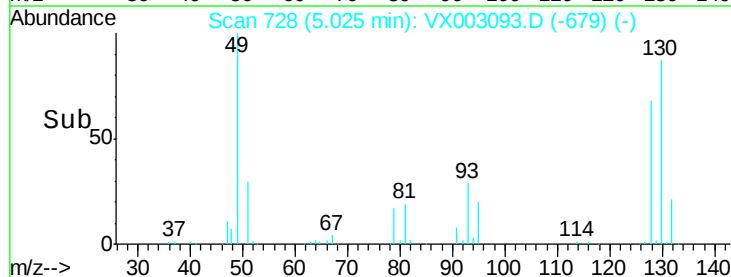
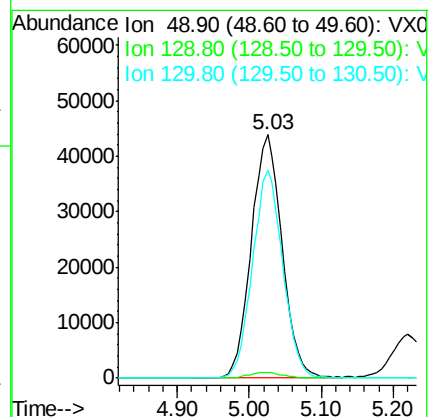
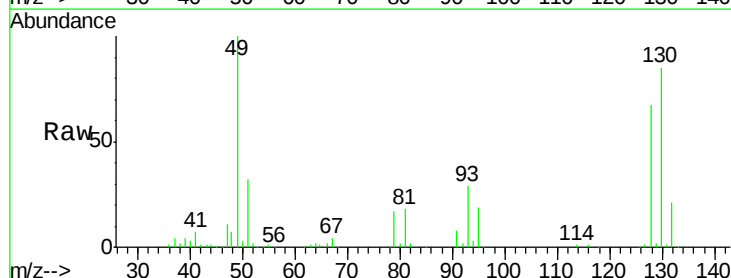
Tgt Ion: 49 Resp: 130445

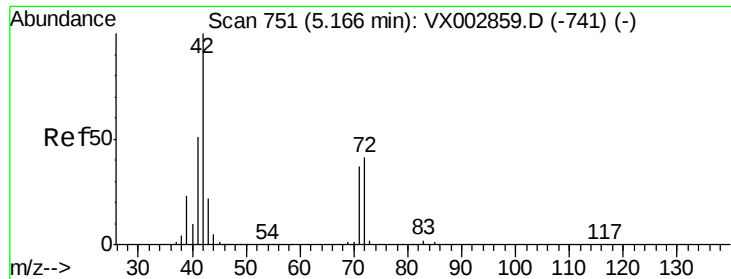
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.2

130 83.7 61.2 91.8

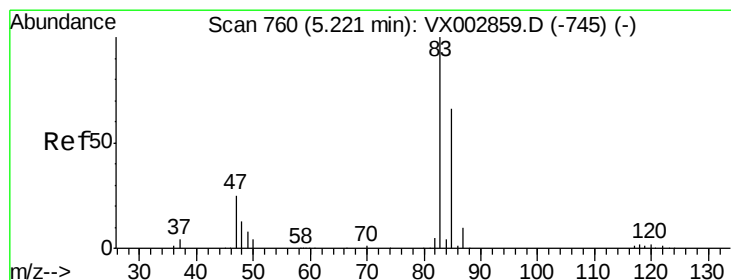
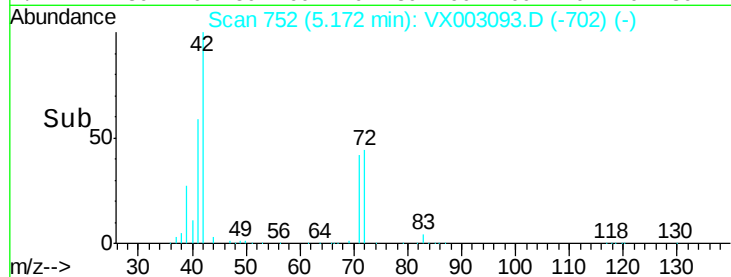
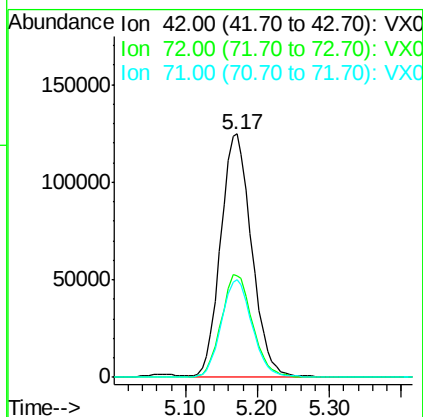
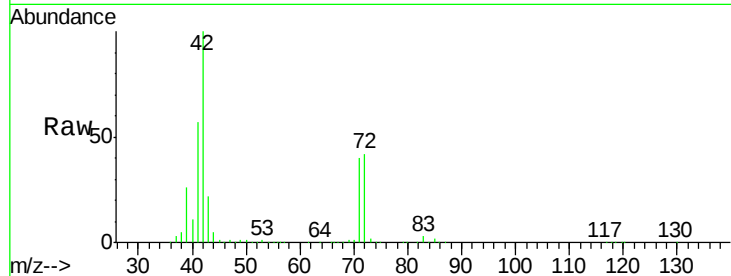




#29
Tetrahydrofuran
Concen: 246.78 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

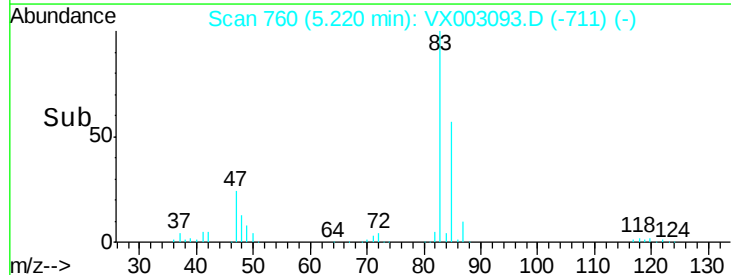
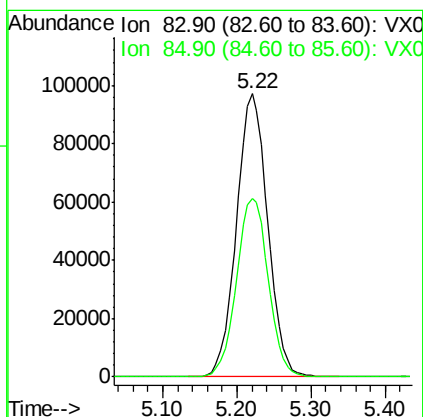
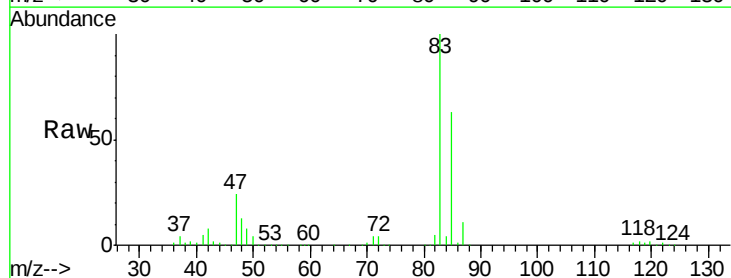
Instrument :
MSVOA_X
ClientSampleId :
S22-0037MSD

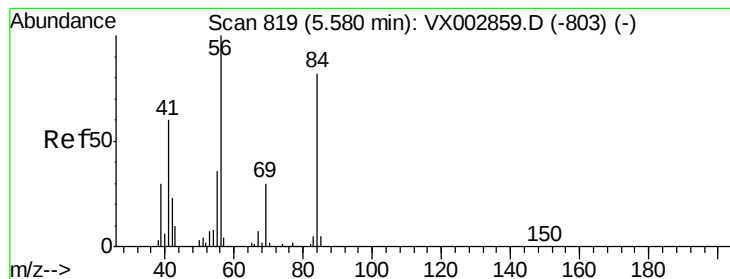
Tot Ion: 42 Resp: 373087
Ion Ratio Lower Upper
42 100
72 42.6 32.0 48.0
71 40.0 30.1 45.1



#30
Chloroform
Concen: 49.63 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

Tgt Ion: 83 Resp: 285504
Ion Ratio Lower Upper
83 100
85 63.1 50.4 75.6





#31

Cyclohexane

Concen: 69.91 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

S22-0037MSD

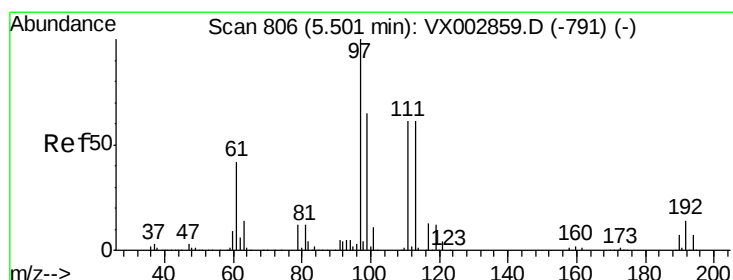
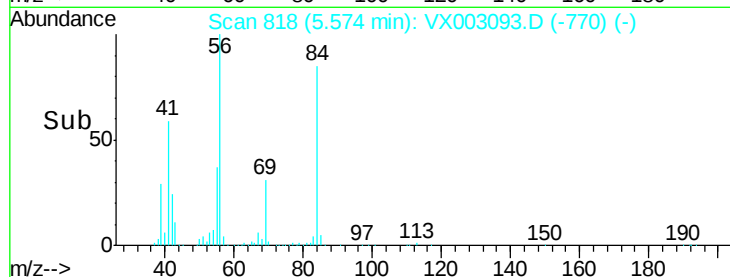
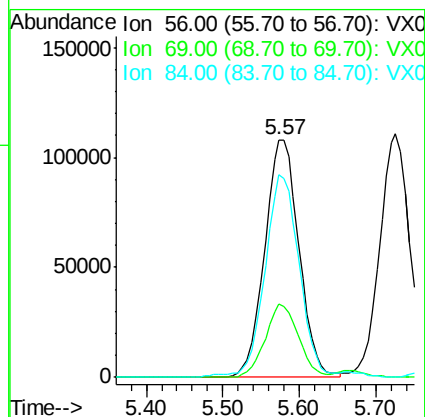
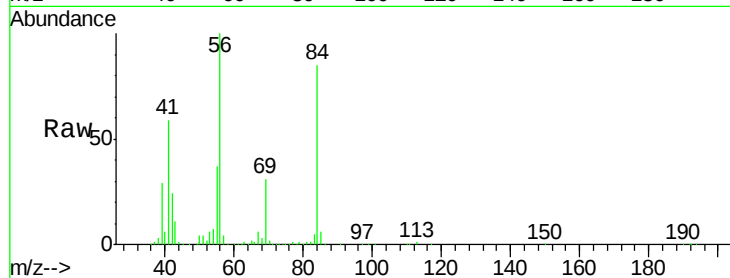
Tot Ion: 56 Resp: 336281

Ion Ratio Lower Upper

56 100

69 30.9 23.7 35.5

84 85.0 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 49.89 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

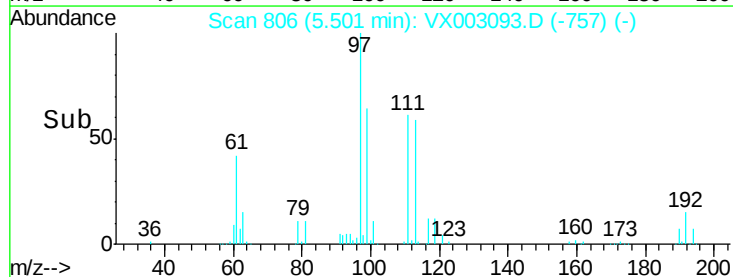
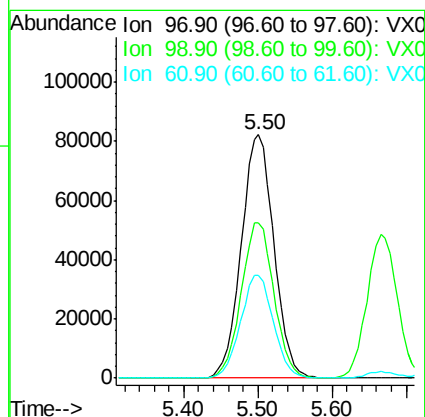
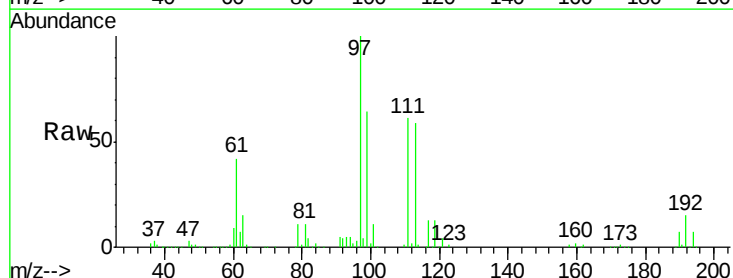
Tgt Ion: 97 Resp: 252511

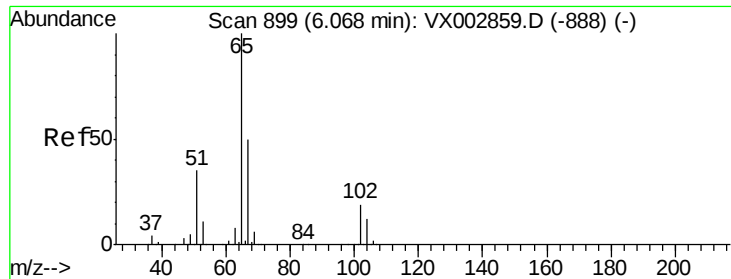
Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 42.9 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 46.97 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

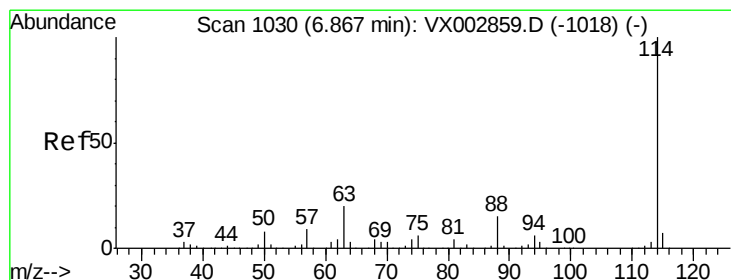
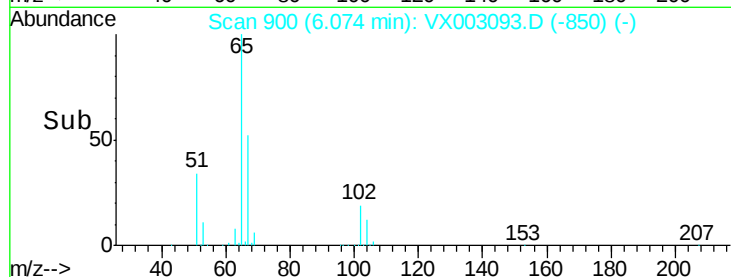
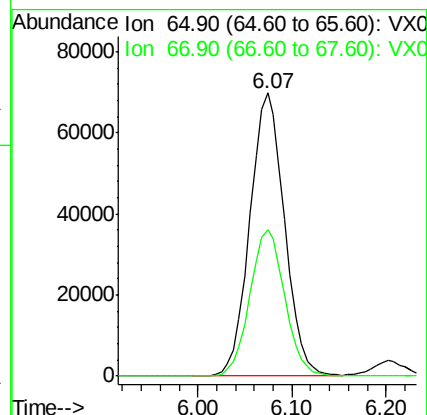
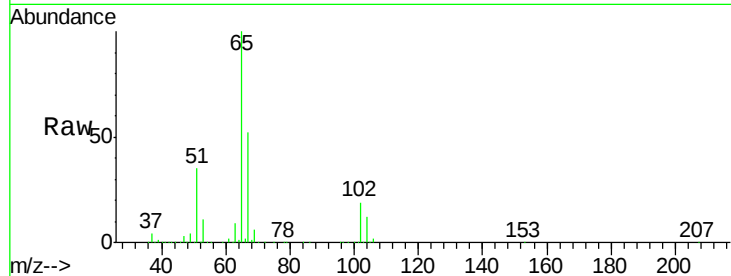
S22-0037MSD

Tot Ion: 65 Resp: 180152

Ion Ratio Lower Upper

65 100

67 52.2 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: VX003093.D

Acq: 30 Jun 2018 21:35

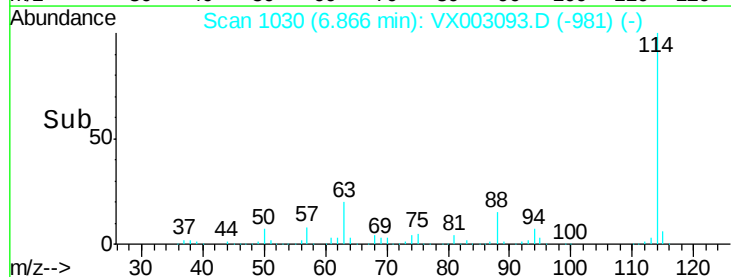
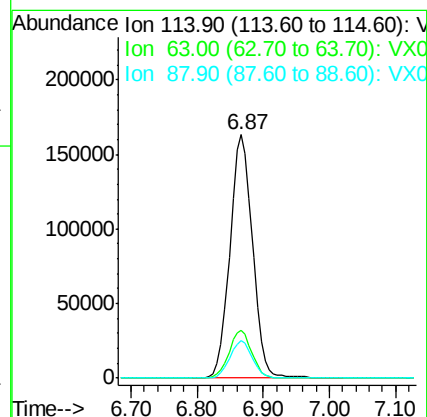
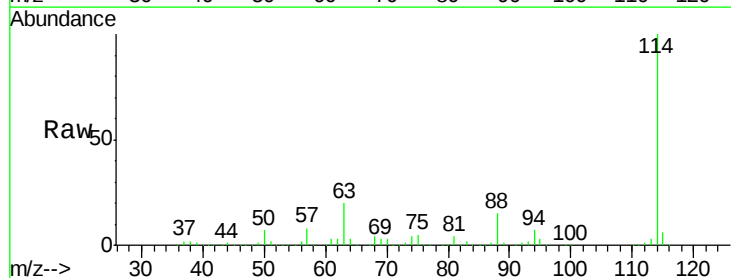
Tgt Ion: 114 Resp: 386815

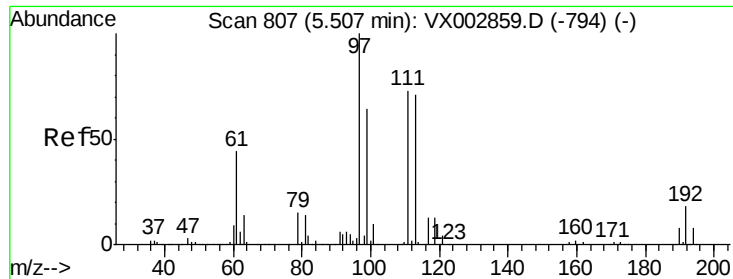
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

88 15.5 0.0 30.0

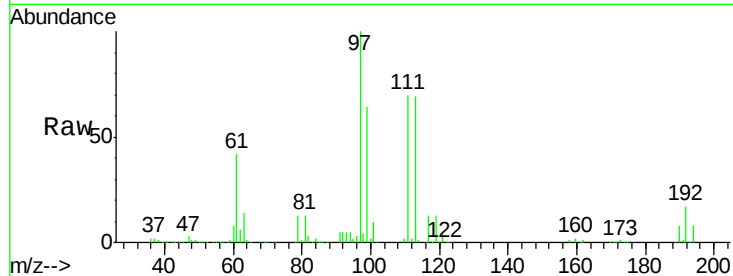




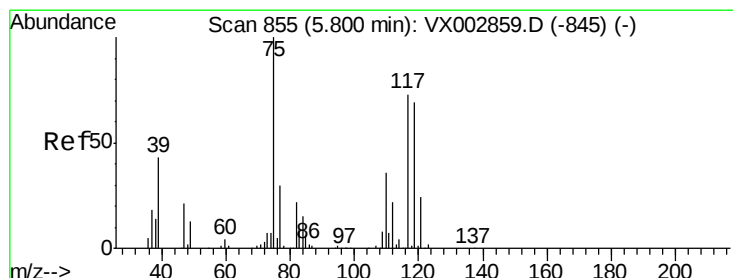
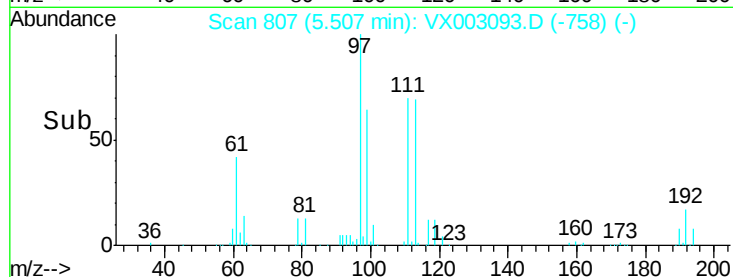
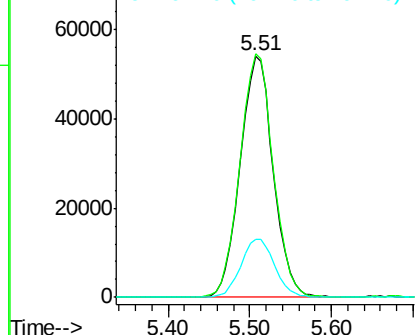
#35
 Dibromofluoromethane
 Concen: 49.51 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0037MSD

Tot Ion:113 Resp: 151648
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.4 122.0
 192 24.8 19.1 28.7

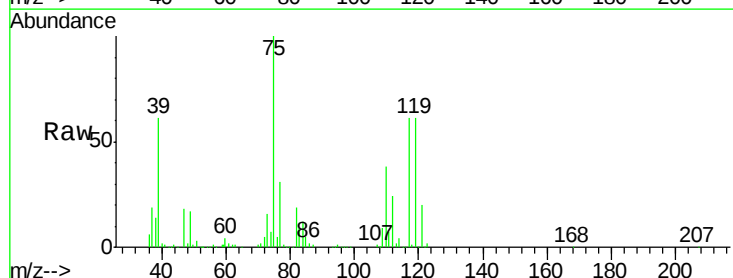


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

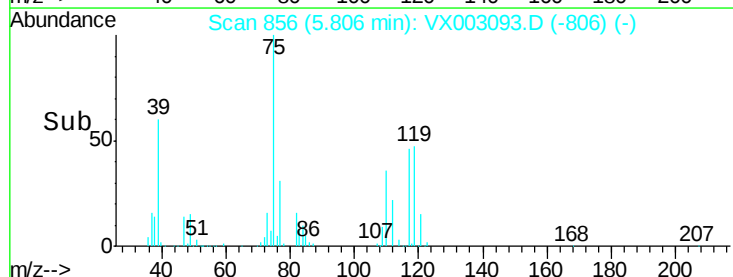
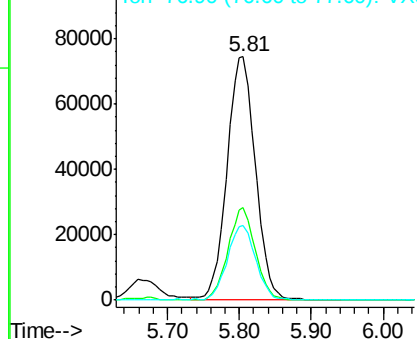


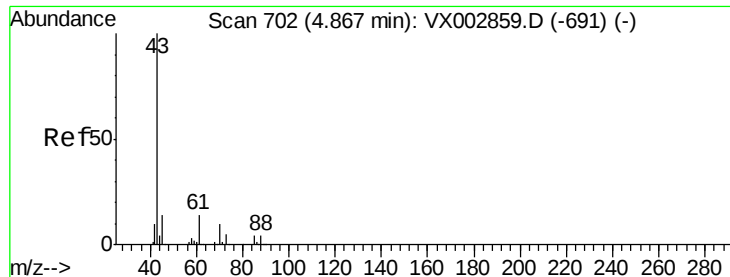
#36
 1,1-Dichloropropene
 Concen: 47.78 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

Tgt Ion: 75 Resp: 202663
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.1 54.4
 77 30.7 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

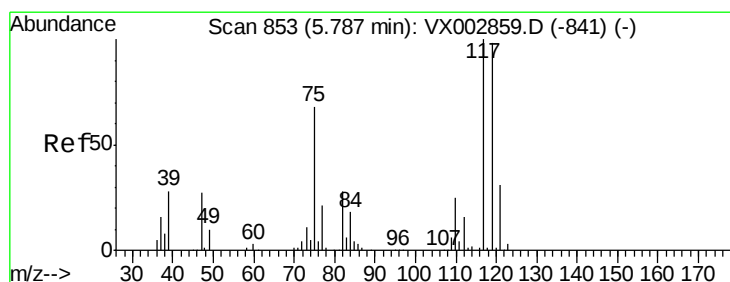
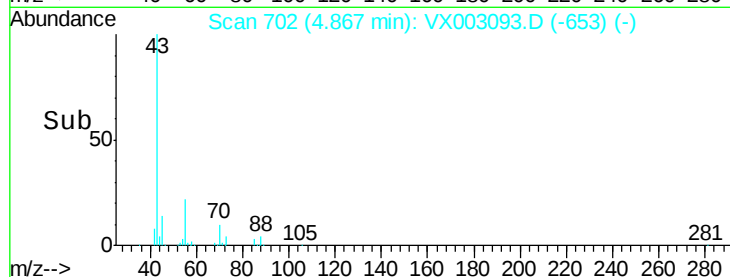
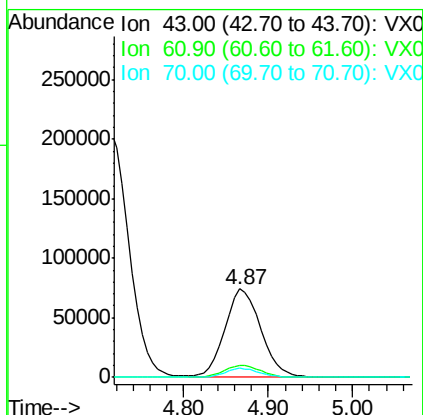
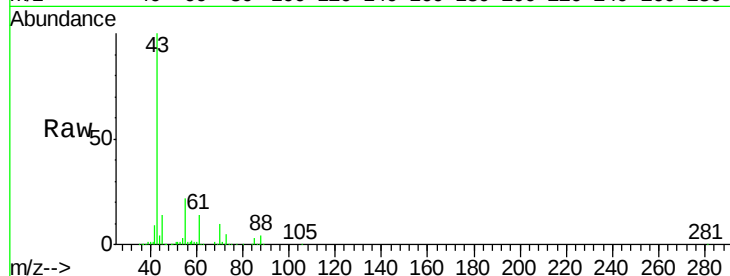




#37
Ethyl Acetate
Concen: 47.04 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

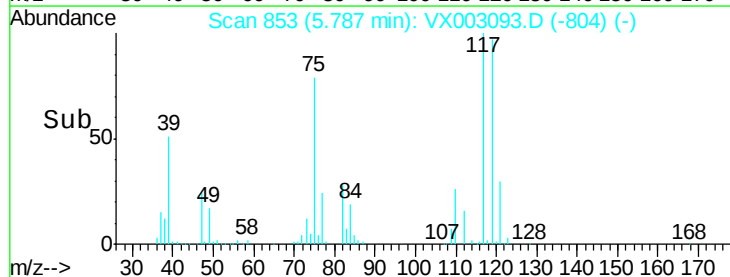
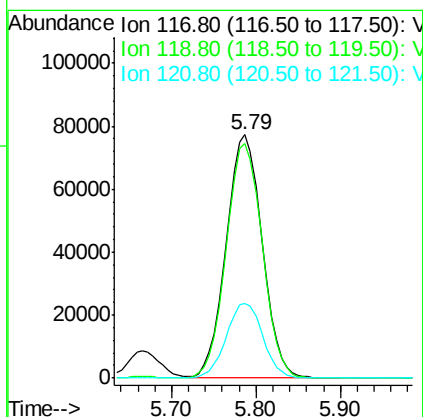
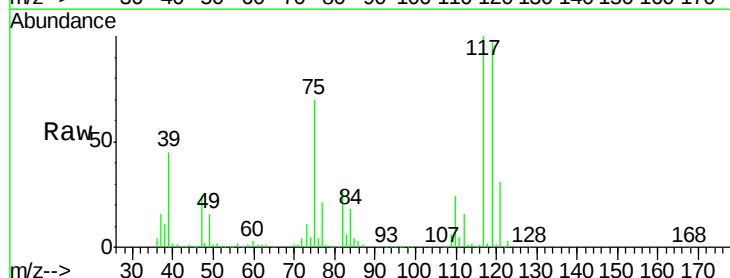
Instrument :
MSVOA_X
ClientSampled :
S22-0037MSD

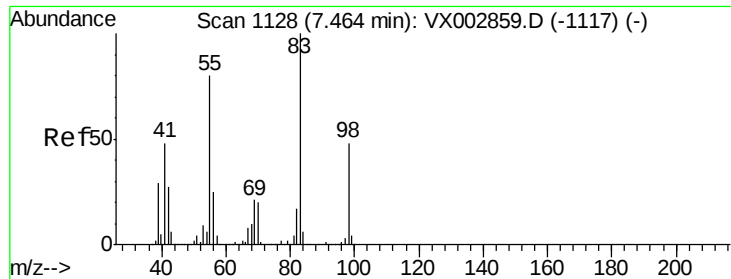
Tot Ion: 43 Resp: 214856
Ion Ratio Lower Upper
43 100
61 13.5 10.4 15.6
70 10.0 7.6 11.4



#38
Carbon Tetrachloride
Concen: 48.24 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

Tgt Ion: 117 Resp: 224567
Ion Ratio Lower Upper
117 100
119 96.6 77.4 116.0
121 30.9 24.4 36.6

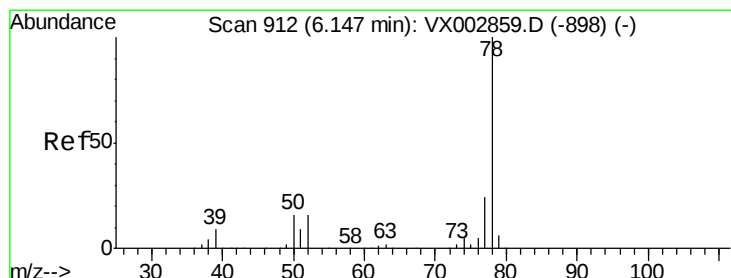
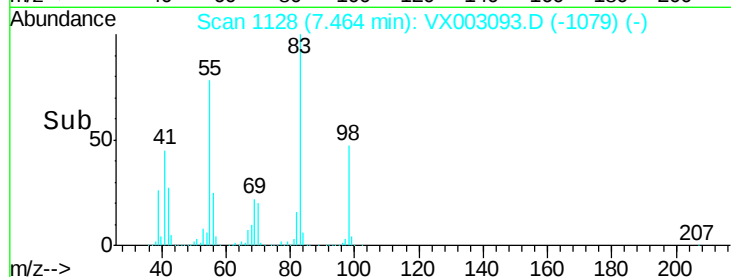
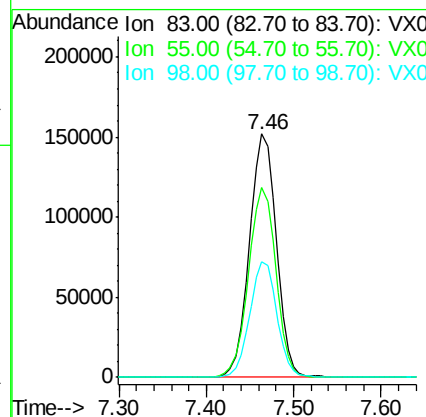
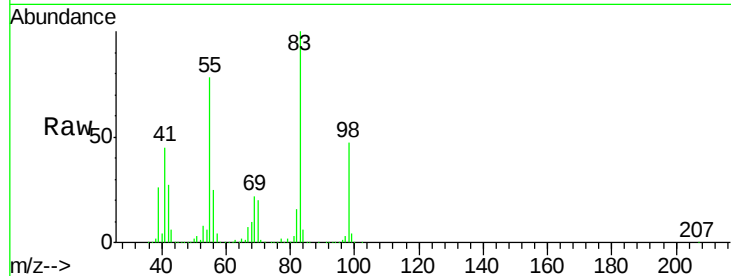




#39
Methvlcvclohexane
Concen: 65.98 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

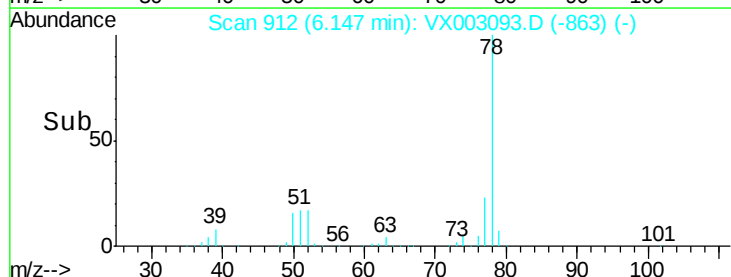
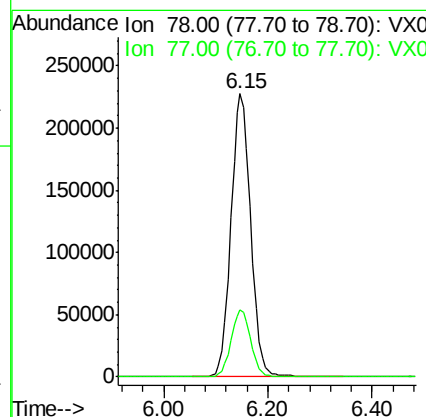
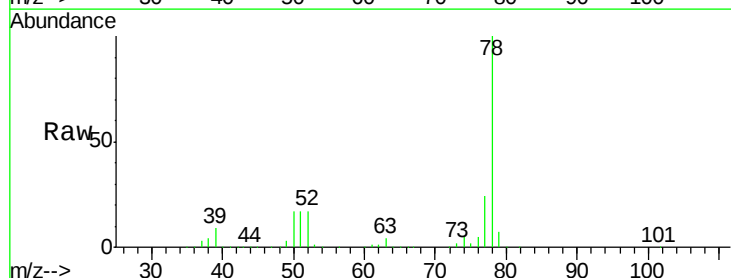
Instrument :
MSVOA_X
ClientSampleId :
S22-0037MSD

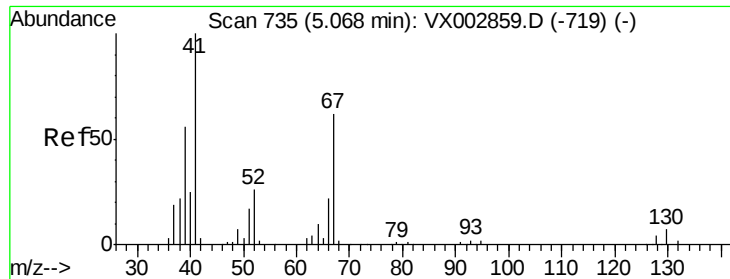
Tot Ion: 83 Resp: 326008
Ion Ratio Lower Upper
83 100
55 78.1 65.4 98.0
98 47.3 37.4 56.0



#40
Benzene
Concen: 49.05 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

Tgt Ion: 78 Resp: 604571
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

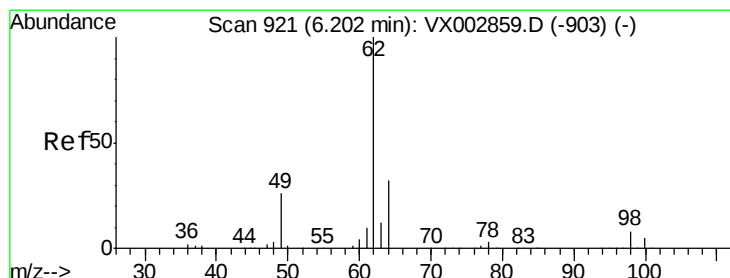
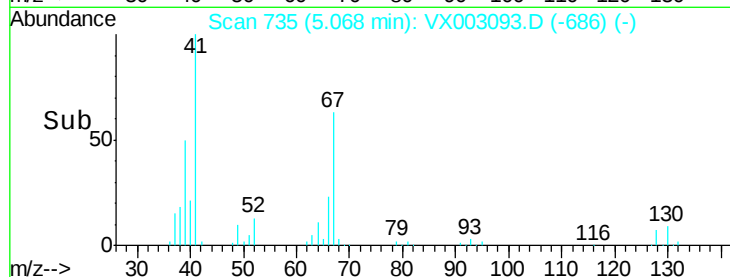
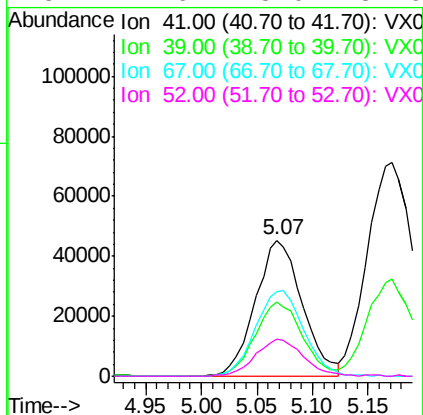
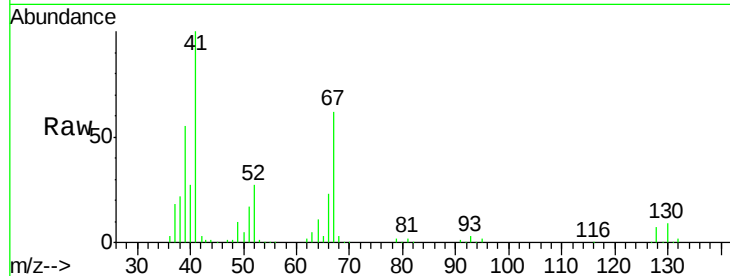




#41
Methacrylonitrile
Concen: 50.28 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

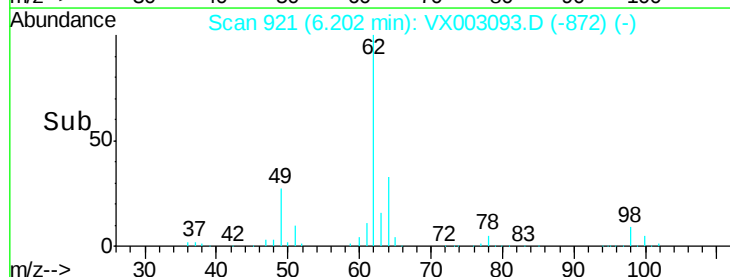
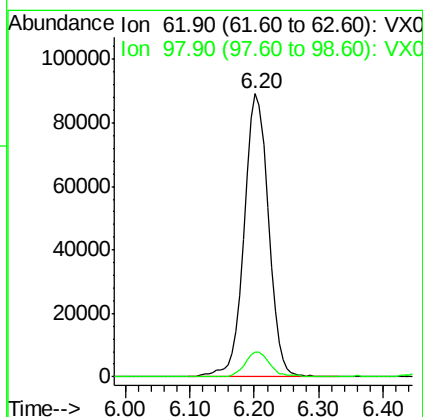
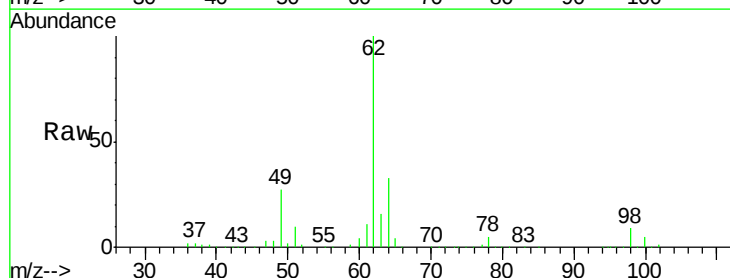
Instrument :
MSVOA_X
ClientSampled :
S22-0037MSD

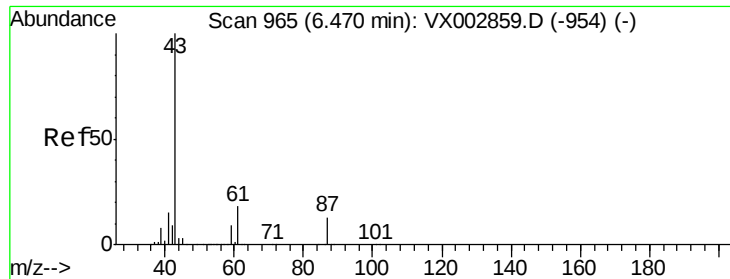
Tot Ion:	41	Resp:	132242
Ion	Ratio	Lower	Upper
41	100		
39	55.2	45.8	68.6
67	65.7	51.3	76.9
52	27.6	23.0	34.6



#42
1,2-Dichloroethane
Concen: 46.43 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

Tgt Ion:	62	Resp:	231175
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.6



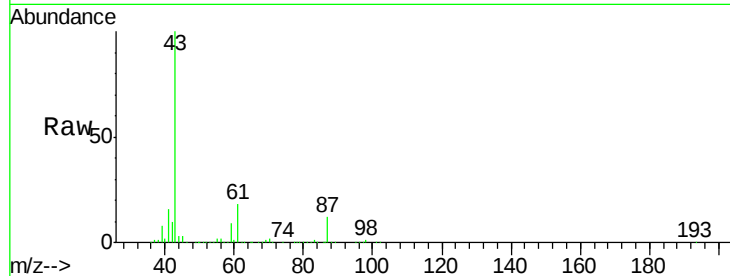


#43

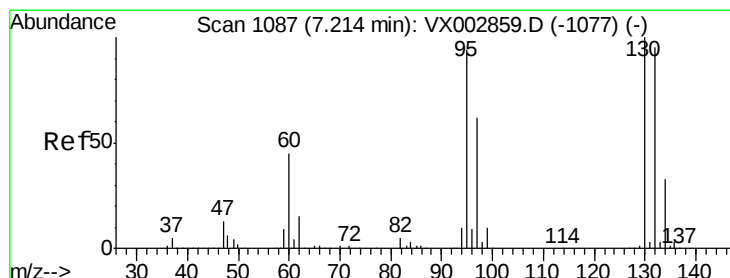
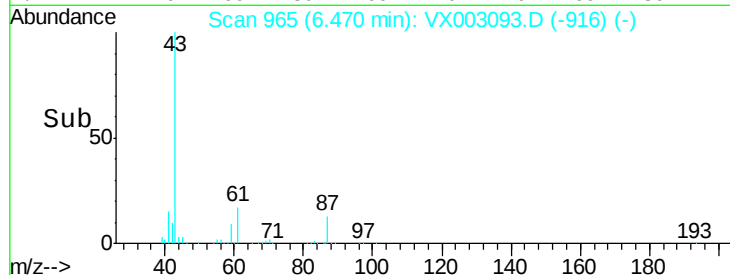
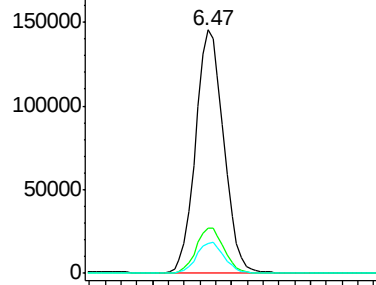
Isopropyl Acetate
 Concen: 46.88 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0037MSD

Tot Ion: 43 Resp: 359082
 Ion Ratio Lower Upper
 43 100
 61 18.7 14.4 21.6
 87 12.7 9.5 14.3



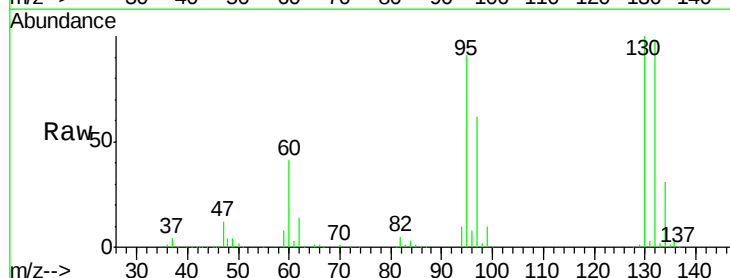
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



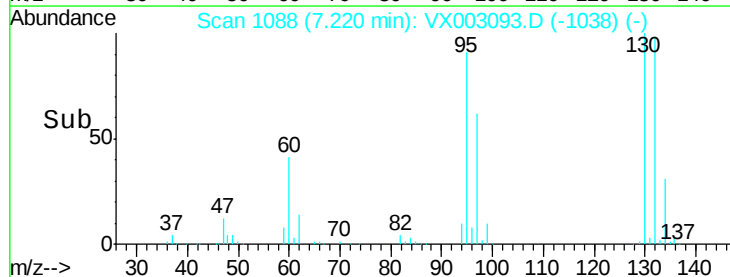
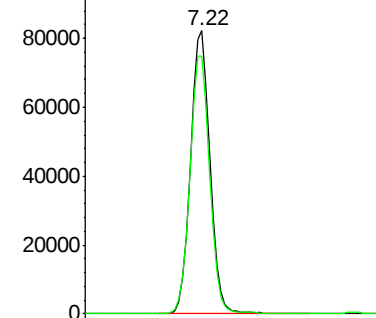
#44

Trichloroethene
 Concen: 47.91 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

Tgt Ion:130 Resp: 176038
 Ion Ratio Lower Upper
 130 100
 95 91.0 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

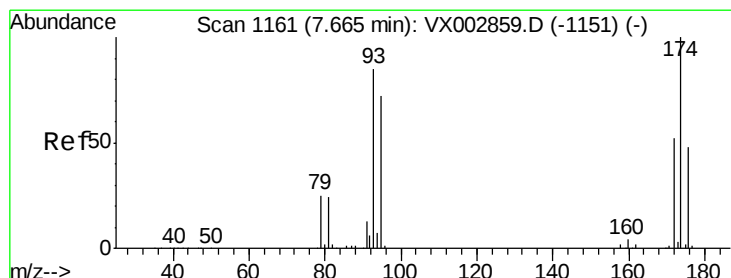
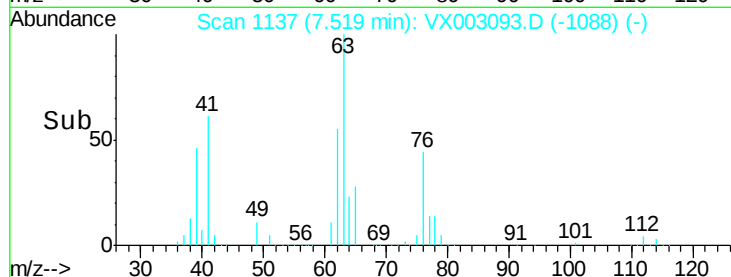
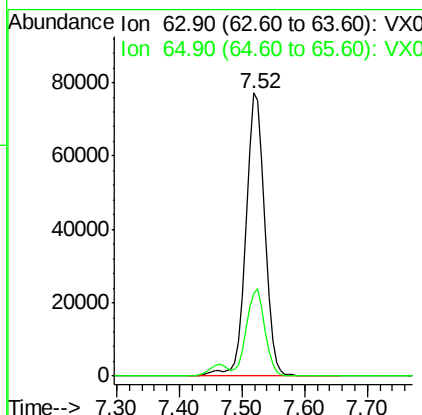
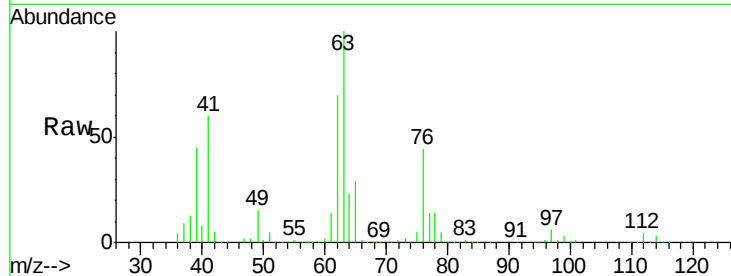




#45
 1,2-Dichloropropane
 Concen: 49.04 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

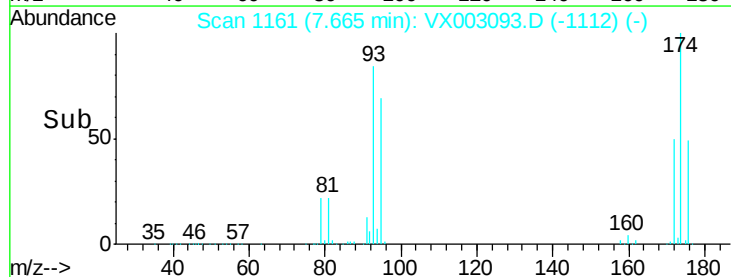
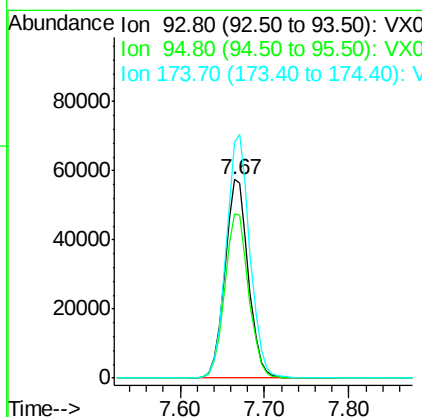
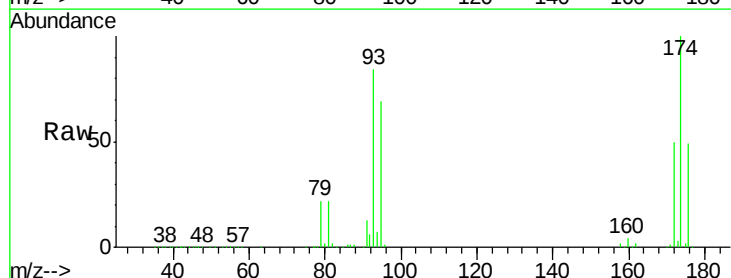
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0037MSD

Tot Ion: 63 Resp: 160332
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.7 37.1



#46
 Dibromomethane
 Concen: 48.31 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

Tgt Ion: 93 Resp: 109604
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.9 98.9
 174 122.6 92.4 138.6





#47

Bromodichloromethane

Concen: 49.80 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

S22-0037MSD

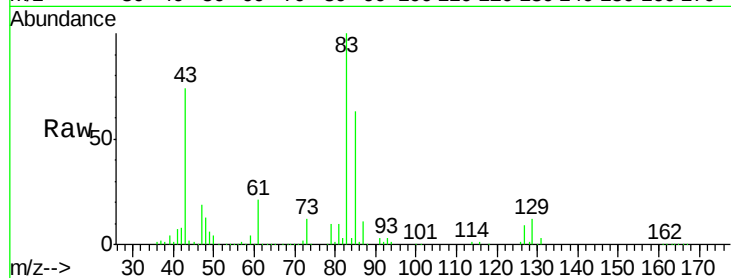
Tot Ion: 83 Resp: 208884

Ion Ratio Lower Upper

83 100

85 63.3 50.3 75.5

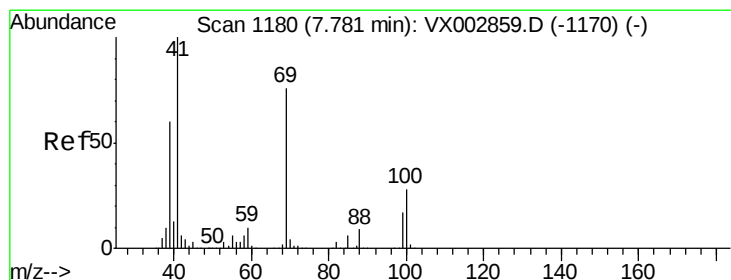
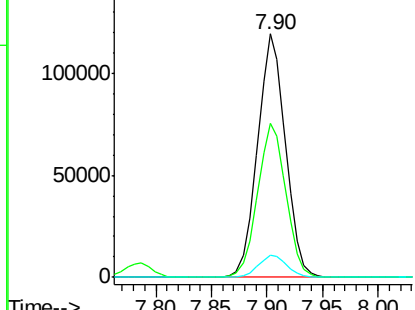
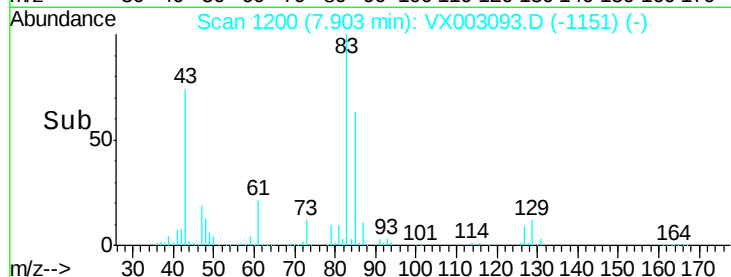
127 9.3 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.73 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

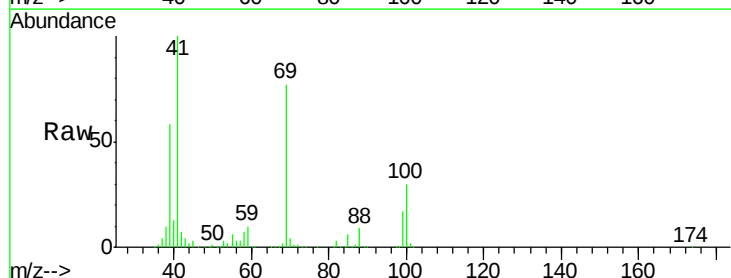
Tgt Ion: 41 Resp: 196260

Ion Ratio Lower Upper

41 100

69 75.5 59.1 88.7

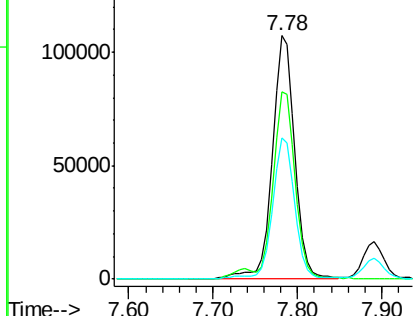
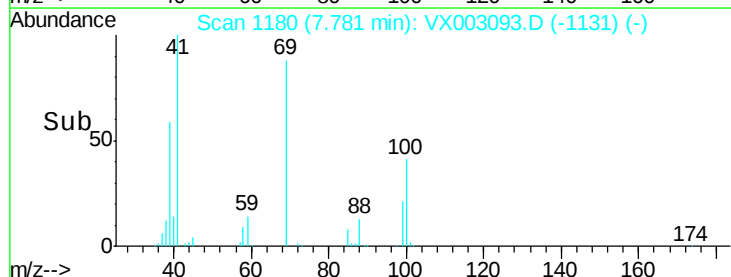
39 57.4 48.9 73.3

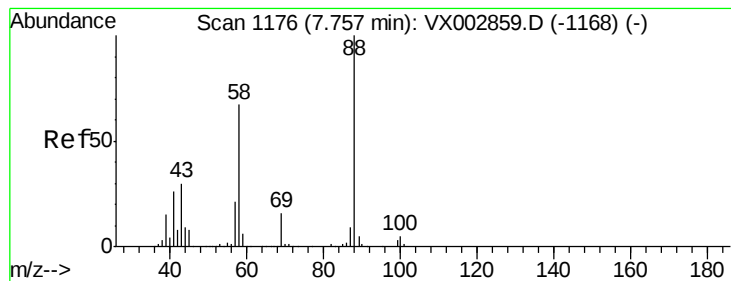


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 851.24 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

S22-0037MSD

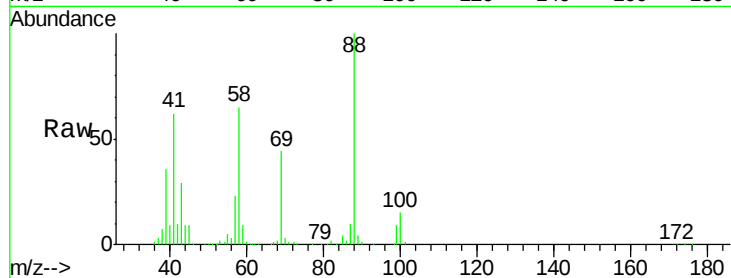
Tot Ion: 88 Resp: 65365

Ion Ratio Lower Upper

88 100

43 34.4 29.8 44.6

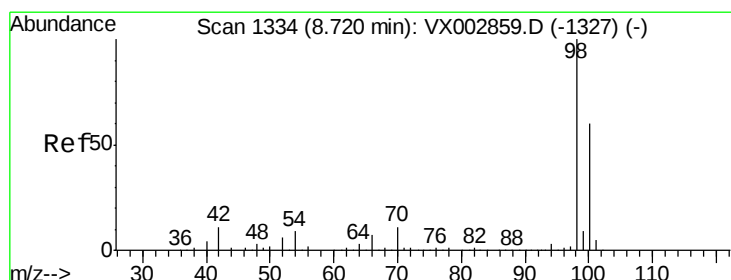
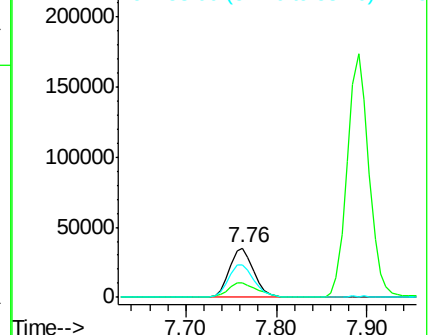
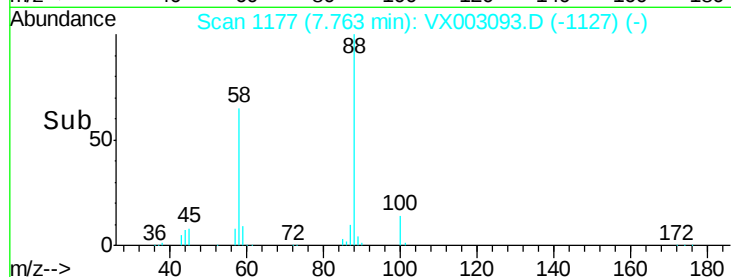
58 71.1 57.1 85.7



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: 47.03 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003093.D

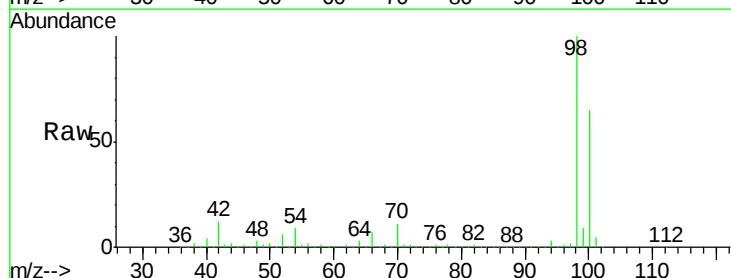
Acq: 30 Jun 2018 21:35

Tgt Ion: 98 Resp: 526060

Ion Ratio Lower Upper

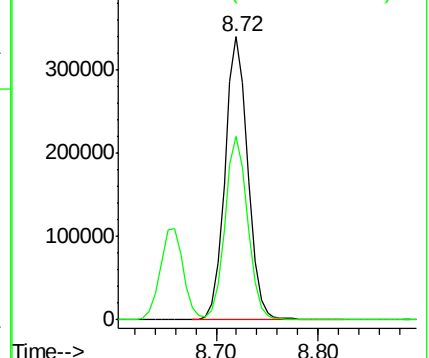
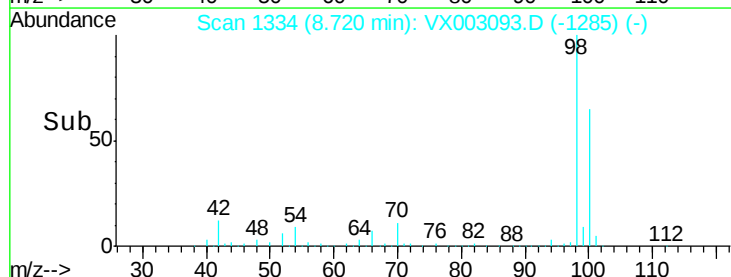
98 100

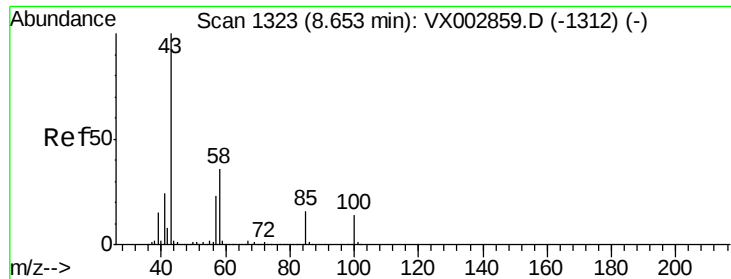
100 64.9 50.9 76.3



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: 247.54 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

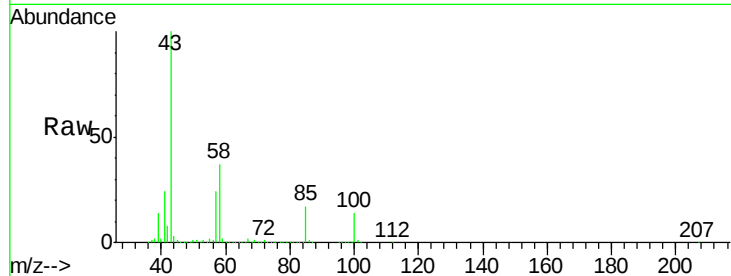
S22-0037MSD

Tot Ion: 43 Resp: 1186341

Ion Ratio Lower Upper

43 100

58 37.3 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

800000

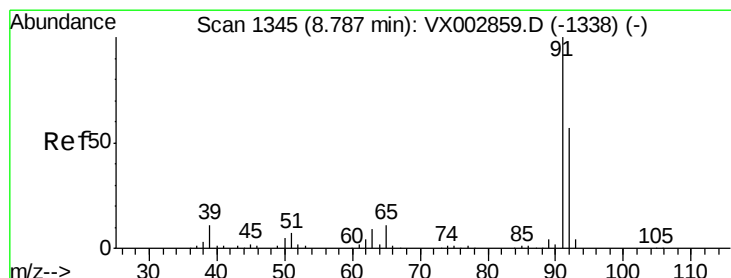
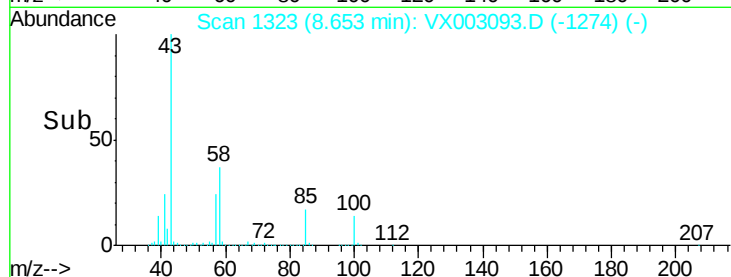
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.40 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003093.D

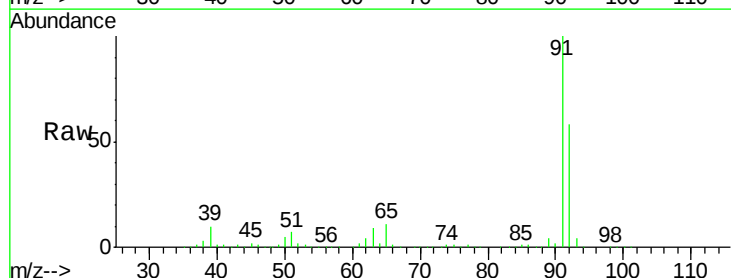
Acq: 30 Jun 2018 21:35

Tgt Ion: 92 Resp: 390023

Ion Ratio Lower Upper

92 100

91 173.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

500000

400000

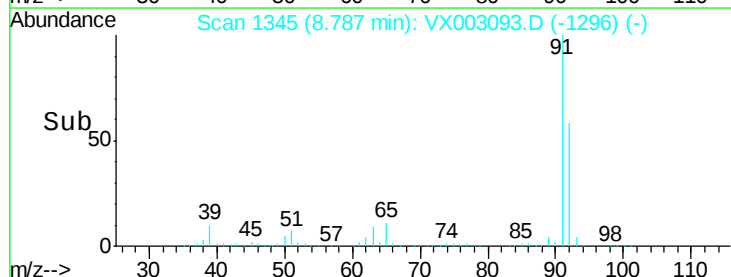
300000

200000

100000

0

Time-->

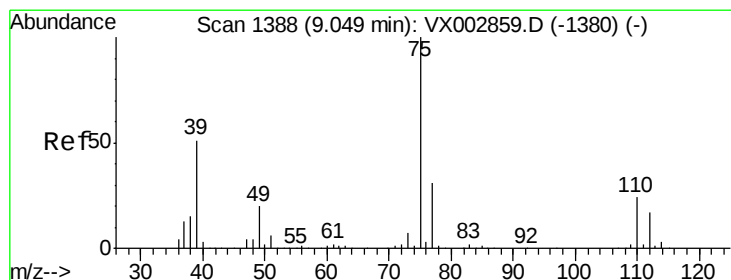
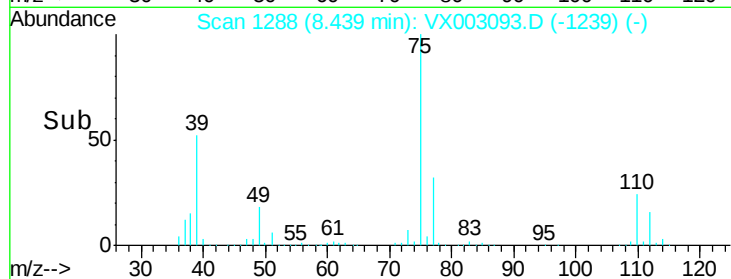
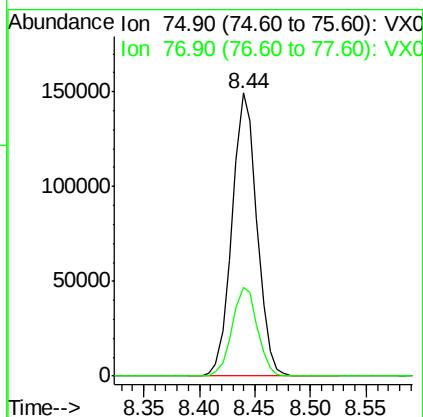
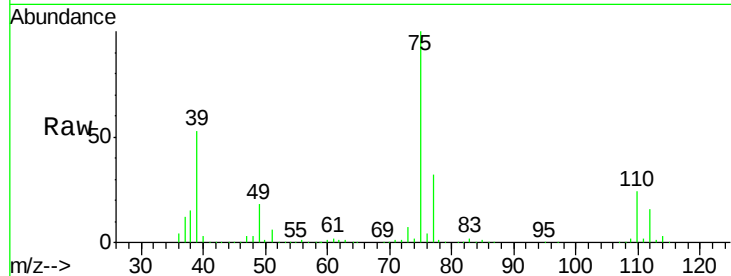




#53
t-1,3-Dichloropropene
Concen: 48.61 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

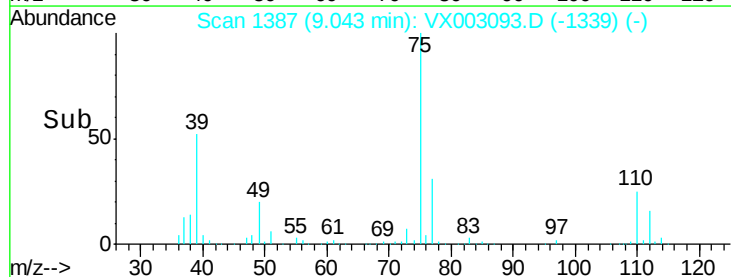
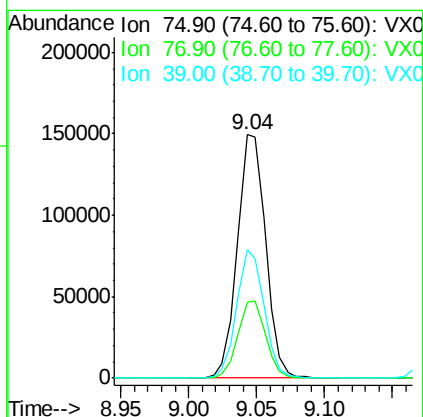
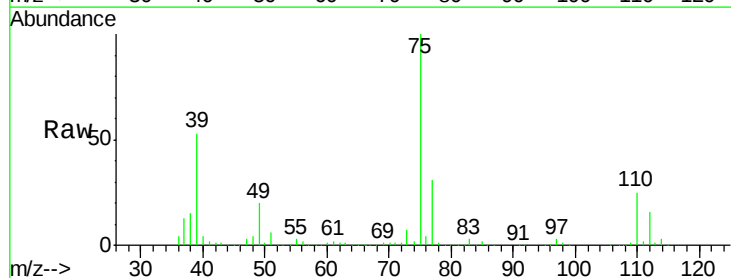
Instrument :
MSVOA_X
ClientSampleId :
S22-0037MSD

Tot Ion: 75 Resp: 230905
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 47.45 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

Tgt Ion: 75 Resp: 216872
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2
39 52.4 42.4 63.6

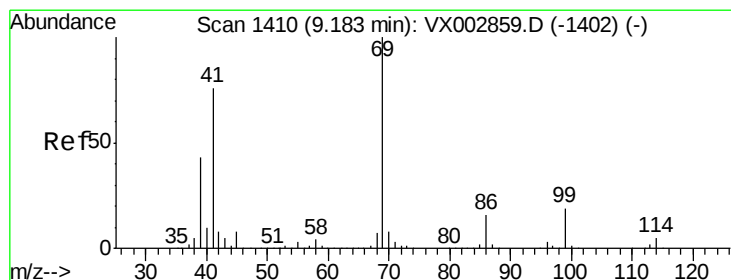
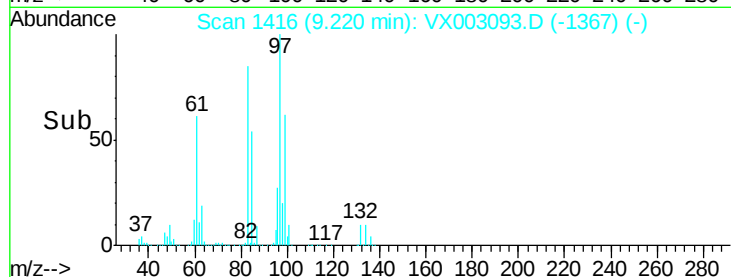
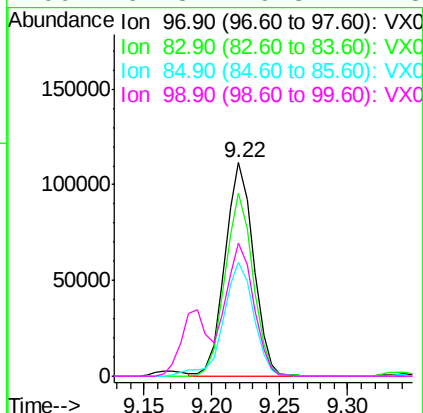
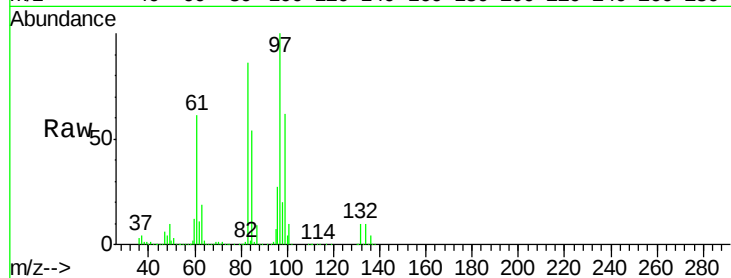




#55
 1,1,2-Trichloroethane
 Concen: 50.07 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

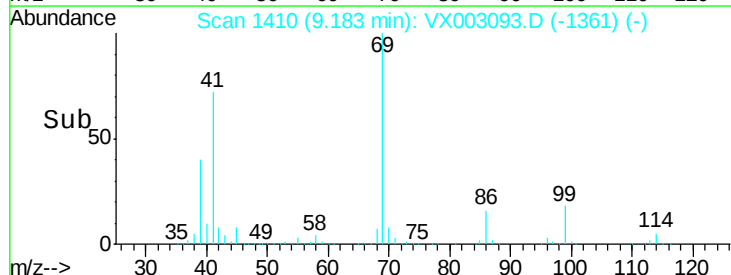
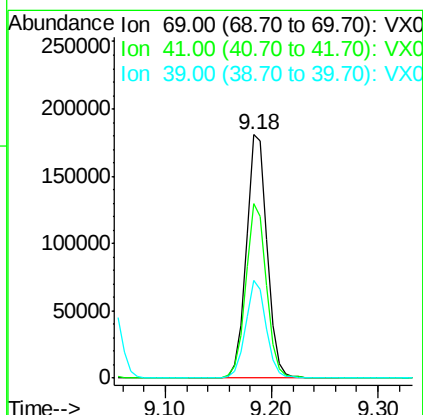
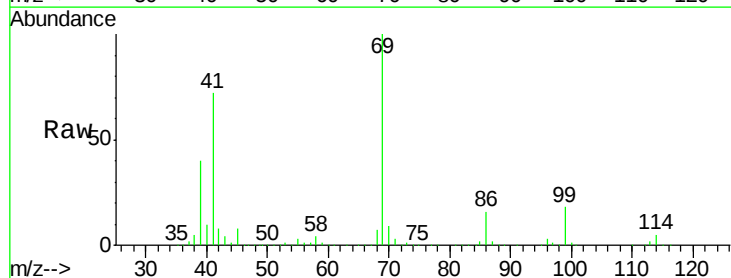
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0037MSD

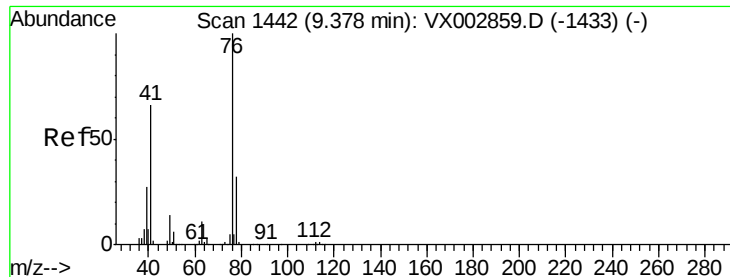
Tot Ion	97	Resp	162460
Ion	Ratio	Lower	Upper
97	100		
83	85.6	70.2	105.2
85	53.5	44.9	67.3
99	62.3	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 52.26 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

Tgt Ion	69	Resp	247831
Ion	Ratio	Lower	Upper
69	100		
41	71.1	60.3	90.5
39	39.5	35.8	53.8





#57

1,3-Dichloropropane

Concen: 49.47 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

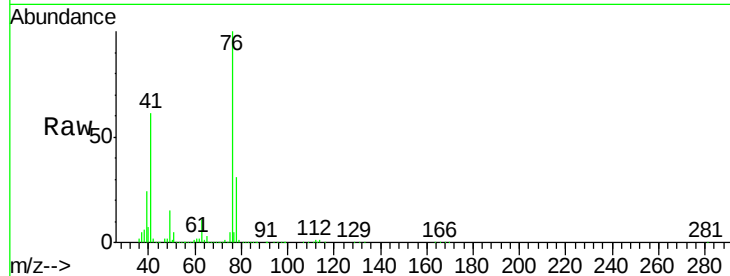
S22-0037MSD

Tot Ion: 76 Resp: 263632

Ion Ratio Lower Upper

76 100

78 32.1 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

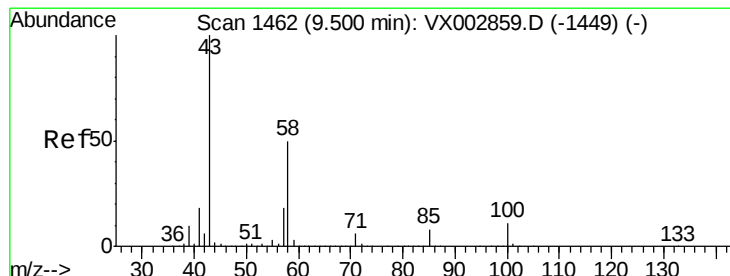
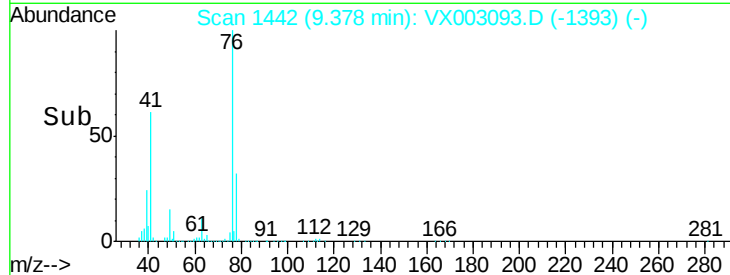
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 245.60 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX003093.D

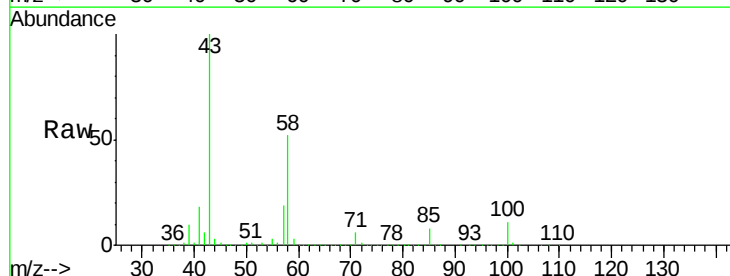
Acq: 30 Jun 2018 21:35

Tgt Ion: 43 Resp: 894543

Ion Ratio Lower Upper

43 100

58 52.0 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

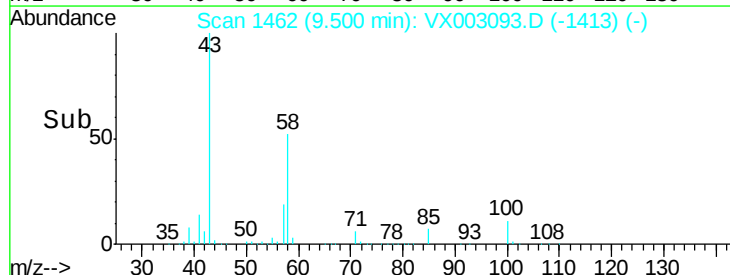
600000

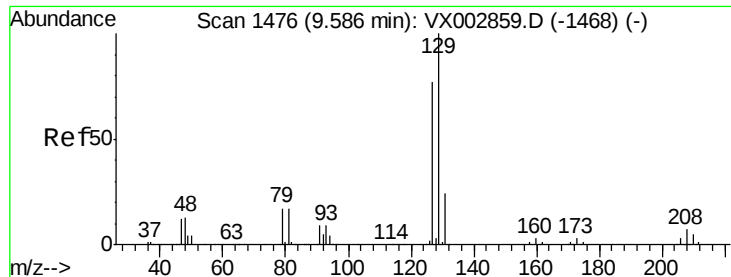
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 51.24 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

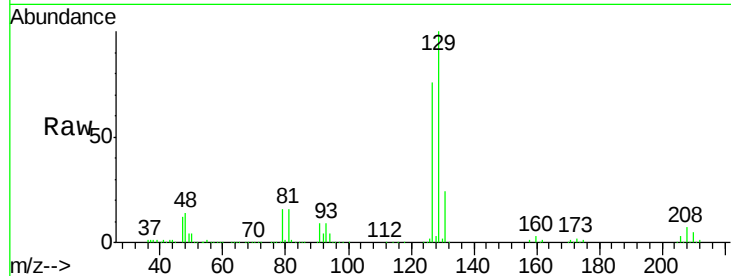
S22-0037MSD

Tot Ion:129 Resp: 175028

Ion Ratio Lower Upper

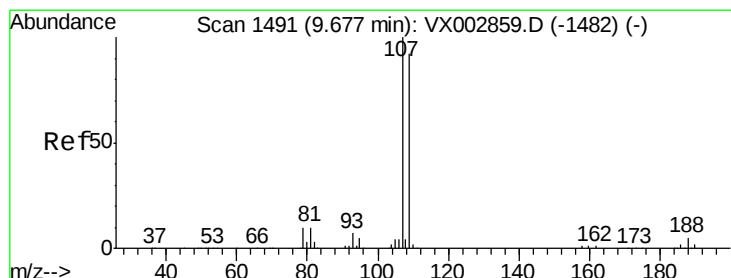
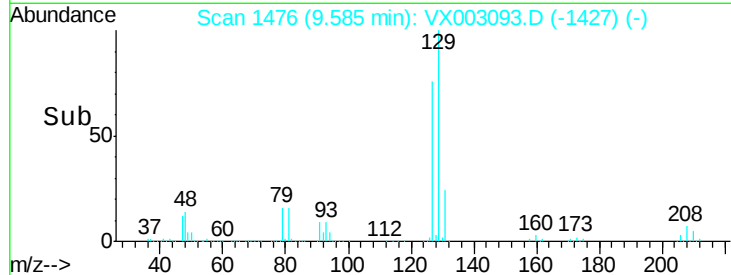
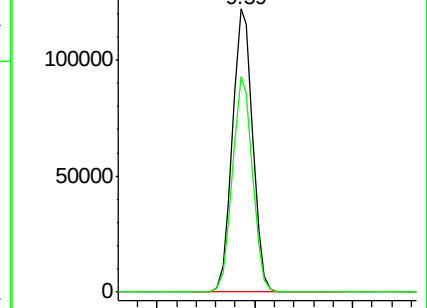
129 100

127 75.3 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: 50.31 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003093.D

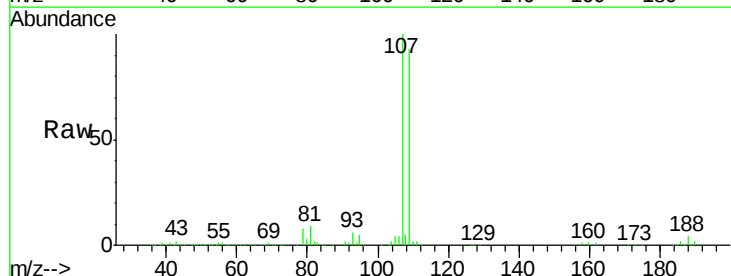
Acq: 30 Jun 2018 21:35

Tgt Ion:107 Resp: 171207

Ion Ratio Lower Upper

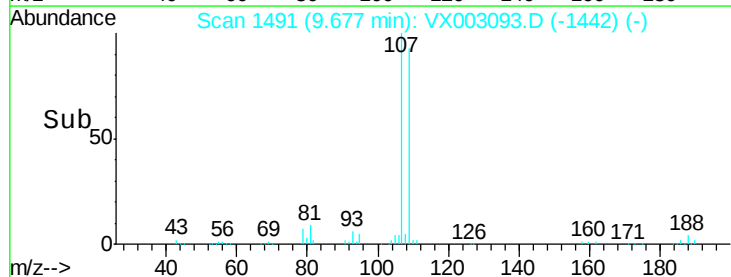
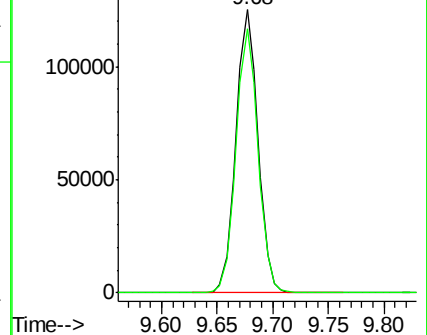
107 100

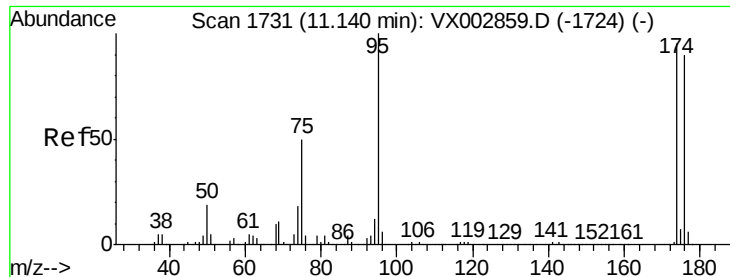
109 94.0 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 48.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

S22-0037MSD

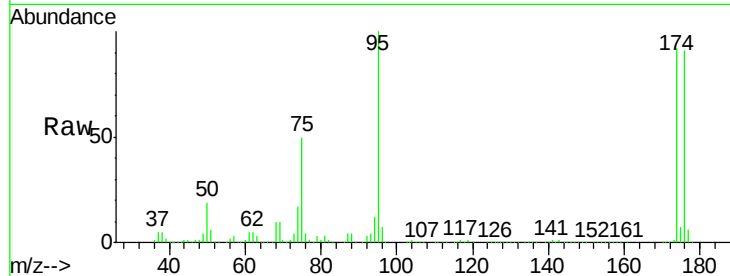
Tot Ion: 95 Resp: 207057

Ion Ratio Lower Upper

95 100

174 96.6 0.0 187.4

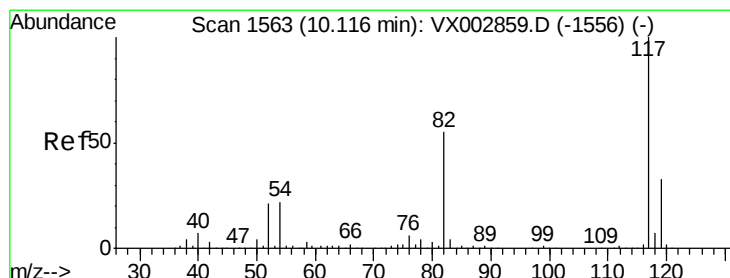
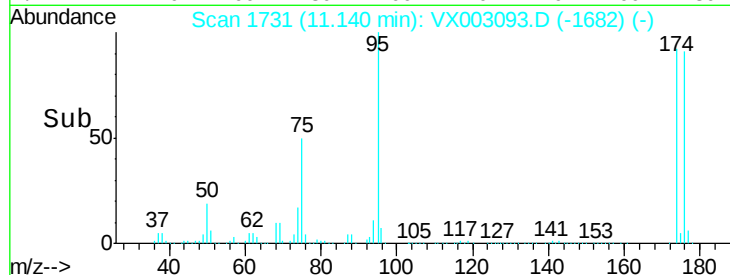
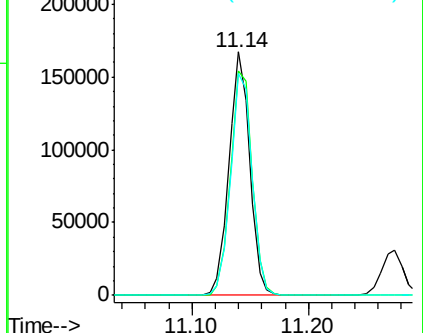
176 94.6 0.0 181.0



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: VX003093.D

Acq: 30 Jun 2018 21:35

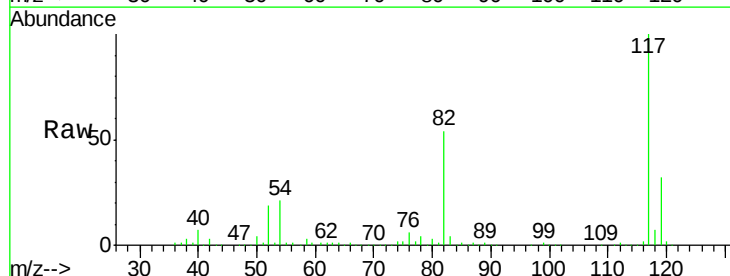
Tgt Ion: 117 Resp: 366188

Ion Ratio Lower Upper

117 100

82 53.6 45.0 67.4

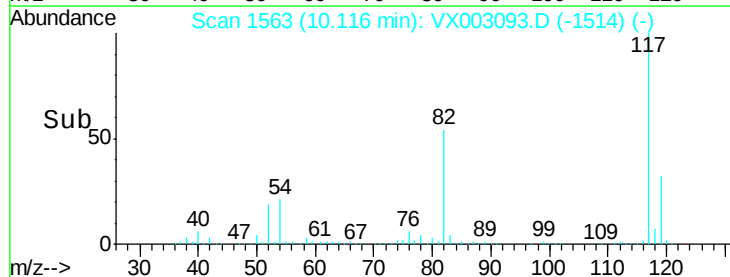
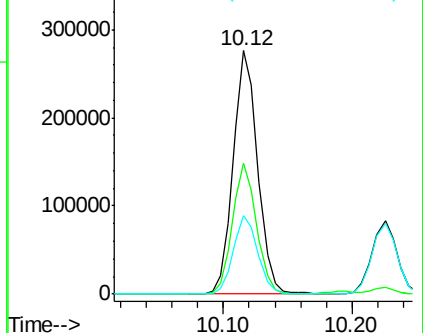
119 32.4 25.8 38.6

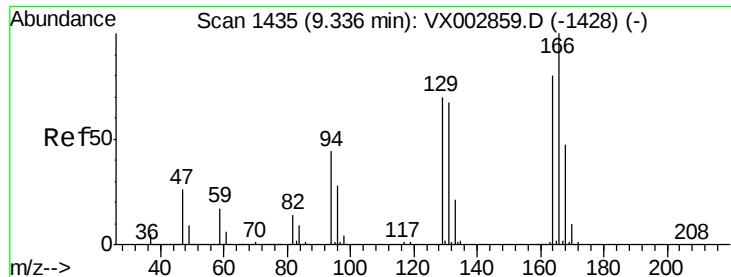


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

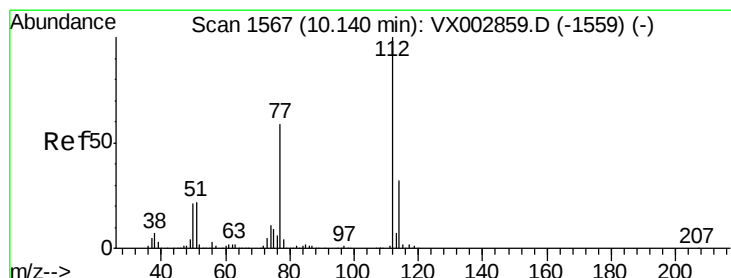
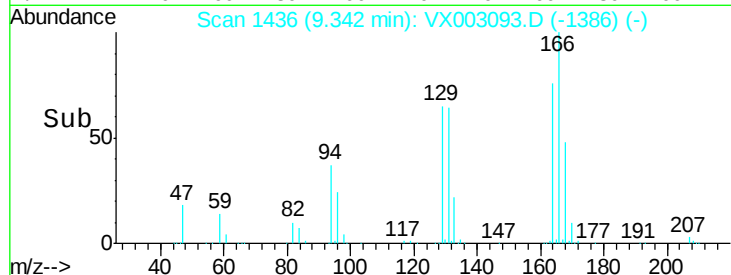
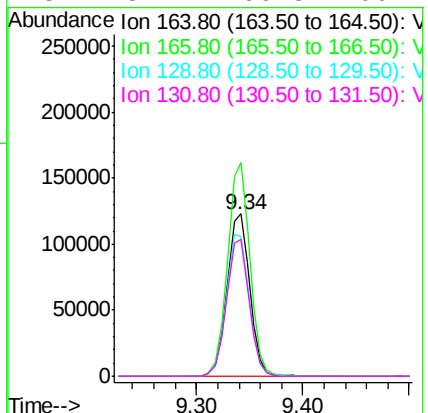
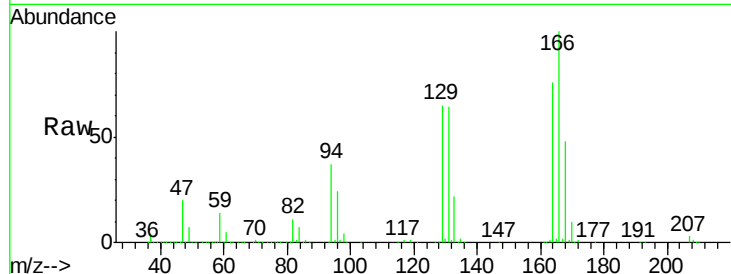




#64
Tetrachloroethene
Concen: 45.09 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

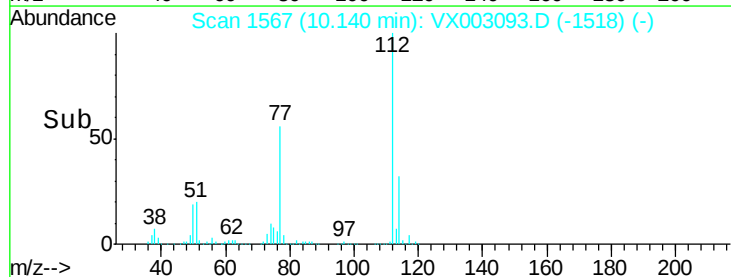
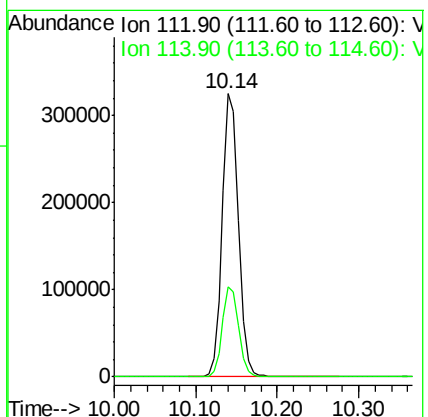
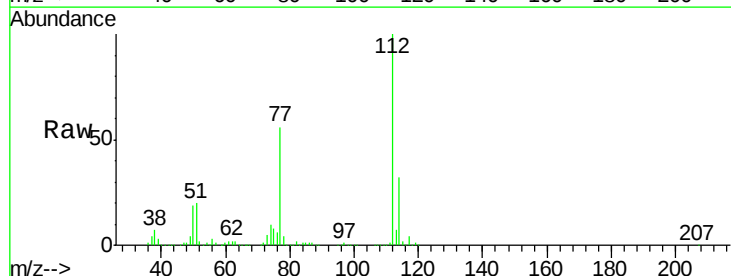
Instrument :
MSVOA_X
ClientSampleId :
S22-0037MSD

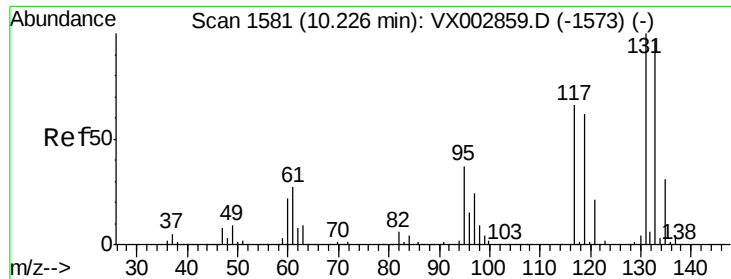
Tot Ion	Ratio	Lower	Upper
164	100		
166	131.7	102.9	154.3
129	86.1	68.6	102.8
131	84.4	66.8	100.2



#65
Chlorobenzene
Concen: 48.50 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.3	37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 50.35 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

S22-0037MSD

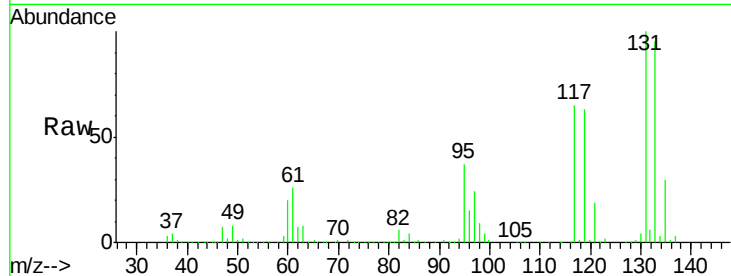
Tot Ion:131 Resp: 170140

Ion Ratio Lower Upper

131 100

133 96.2 47.9 143.6

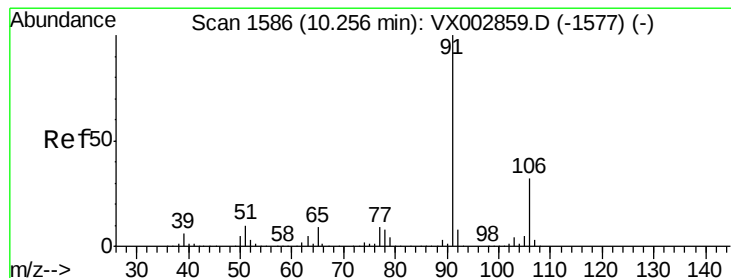
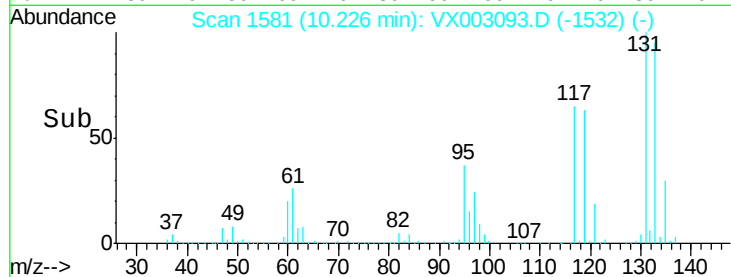
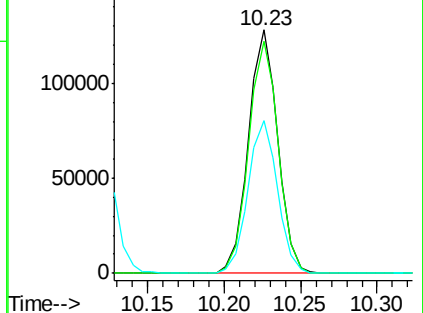
119 63.3 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 67.16 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003093.D

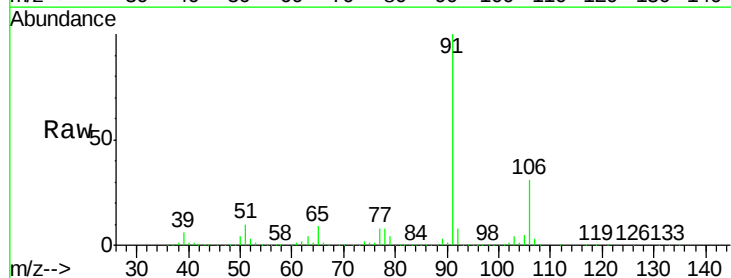
Acq: 30 Jun 2018 21:35

Tgt Ion: 91 Resp: 1031883

Ion Ratio Lower Upper

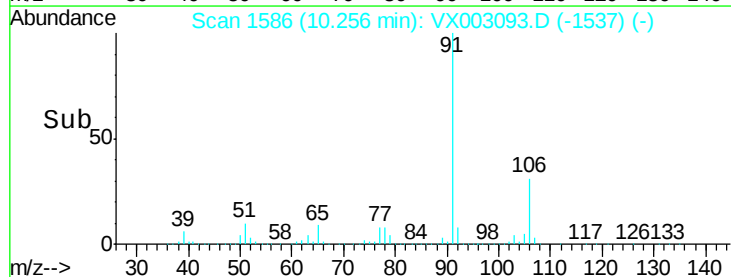
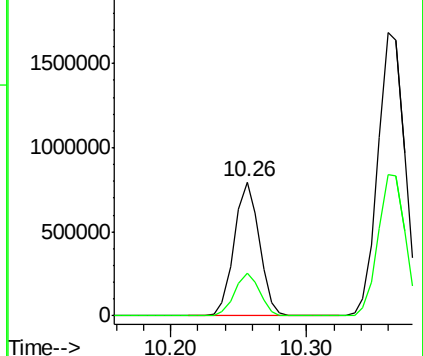
91 100

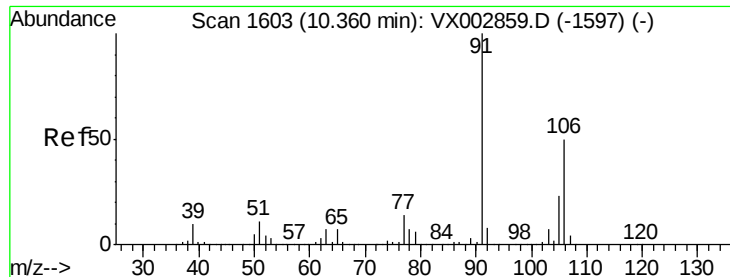
106 31.5 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

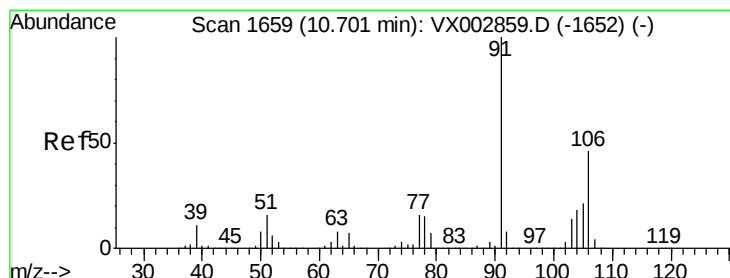
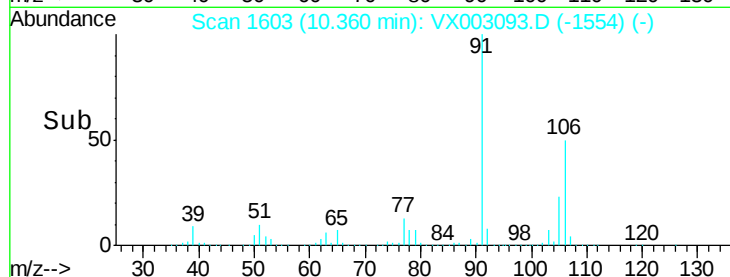
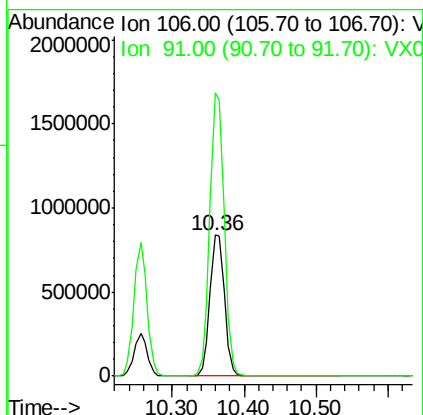
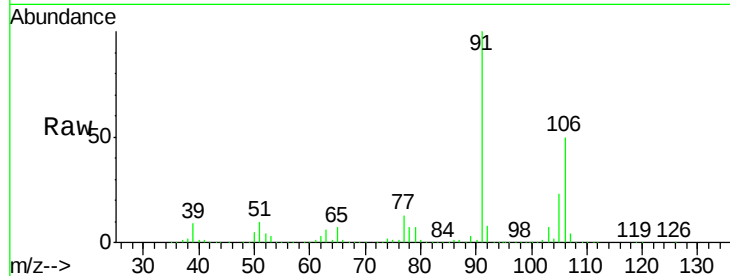




#68
m/p-Xylenes
Concen: 197.30 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

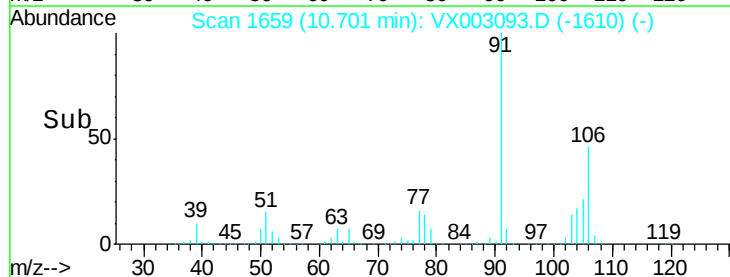
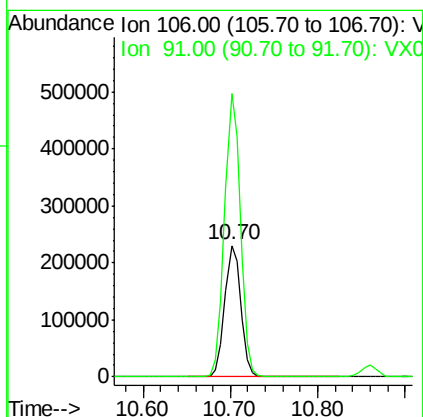
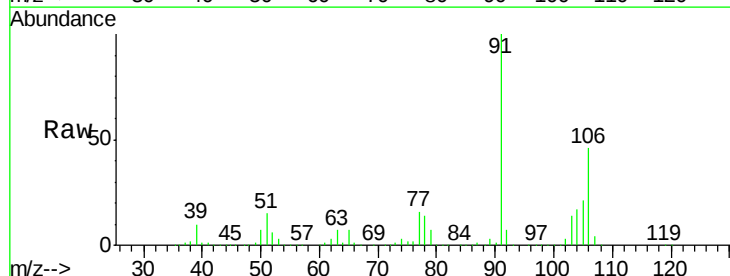
Instrument :
MSVOA_X
ClientSampleId :
S22-0037MSD

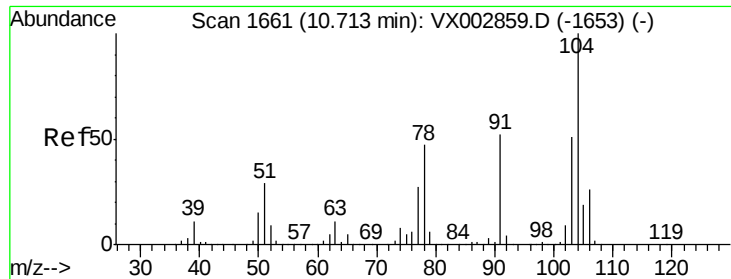
Tot Ion:106 Resp: 1168343
Ion Ratio Lower Upper
106 100
91 199.4 163.4 245.2



#69
o-Xylene
Concen: 50.54 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

Tgt Ion:106 Resp: 291407
Ion Ratio Lower Upper
106 100
91 213.2 108.2 324.6

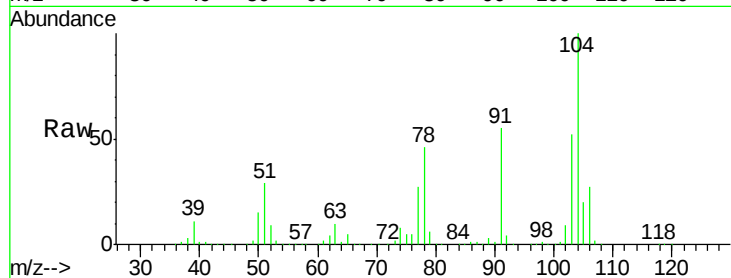




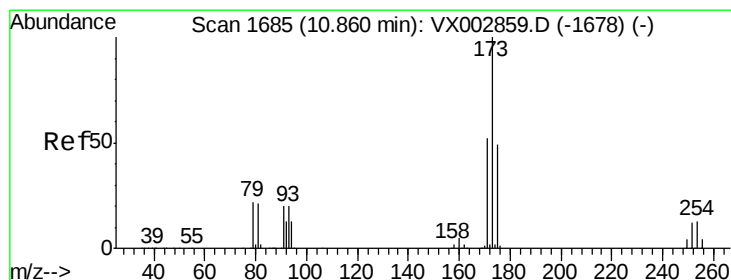
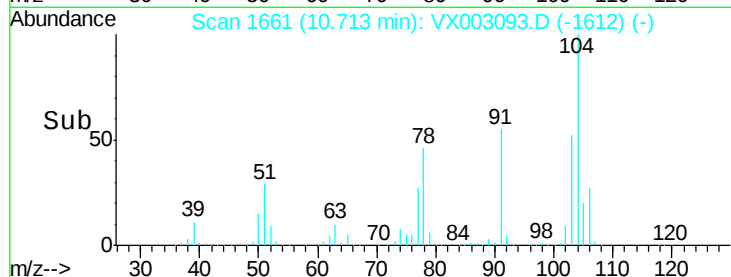
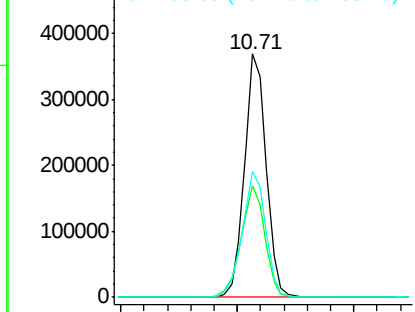
#70
Stvrene
Concen: 51.56 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

Instrument :
MSVOA_X
ClientSampleId :
S22-0037MSD

Tot Ion:104 Resp: 483094
Ion Ratio Lower Upper
104 100
78 49.9 41.0 61.6
103 55.8 44.2 66.4

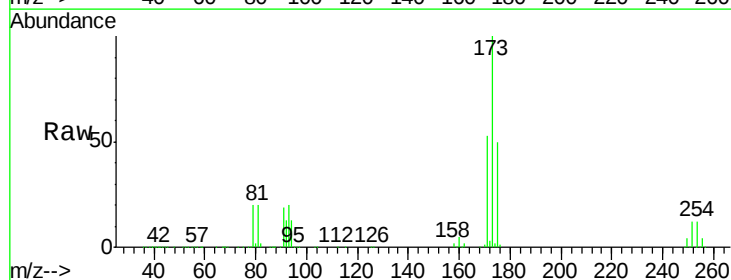


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

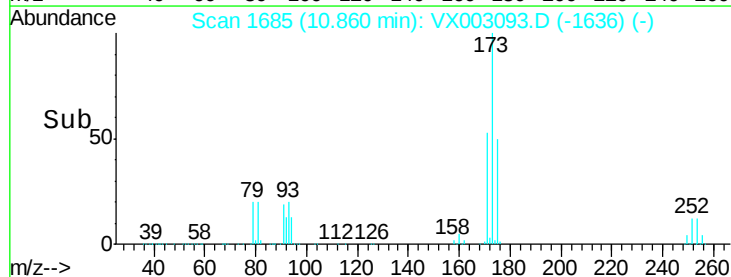
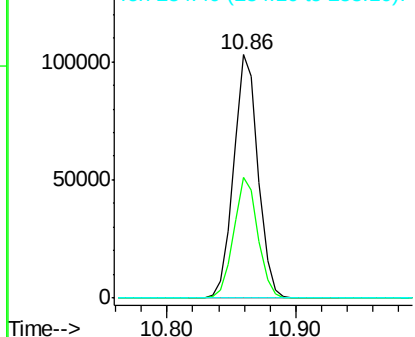


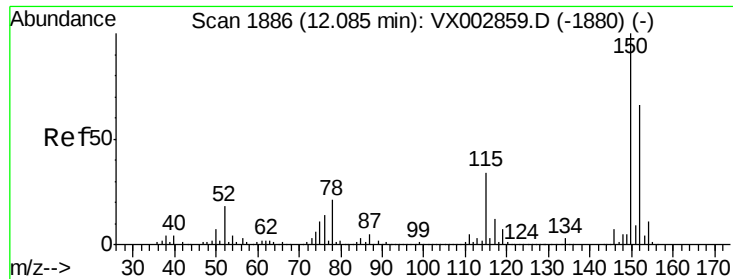
#71
Bromoform
Concen: 44.87 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

Tgt Ion:173 Resp: 135668
Ion Ratio Lower Upper
173 100
175 49.2 24.7 74.1
254 0.2 0.2 0.2#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

S22-0037MSD

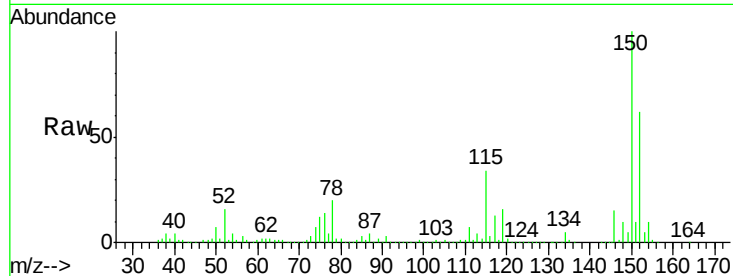
Tot Ion:152 Resp: 228684

Ion Ratio Lower Upper

152 100

115 77.1 40.1 120.2

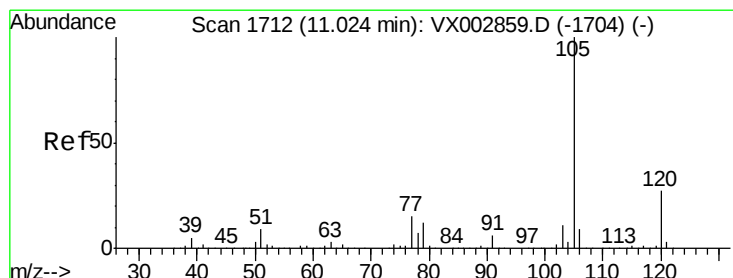
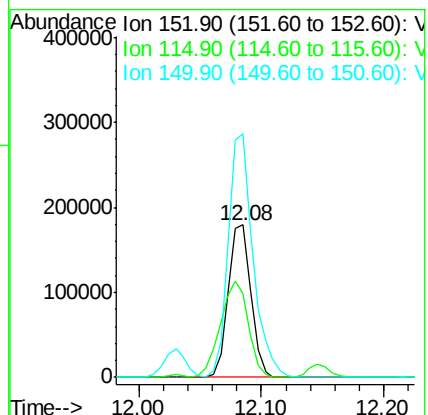
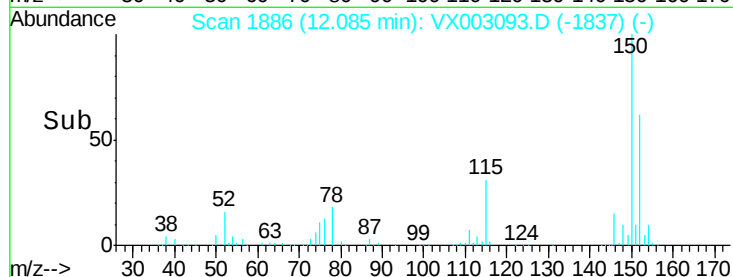
150 174.4 0.0 347.2



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: 68.04 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003093.D

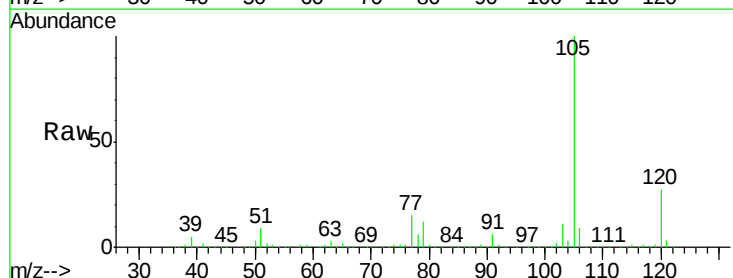
Acq: 30 Jun 2018 21:35

Tgt Ion:105 Resp: 1046686

Ion Ratio Lower Upper

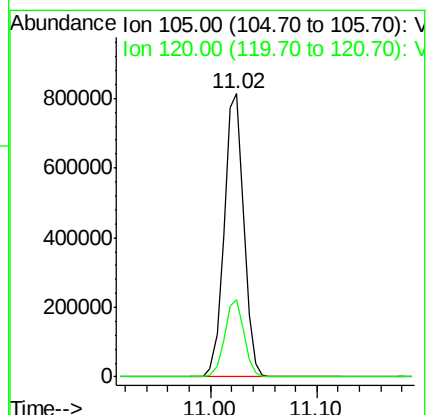
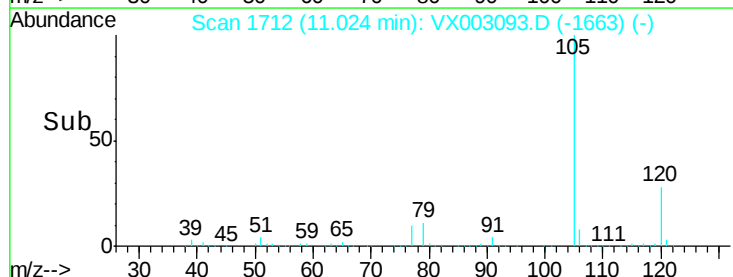
105 100

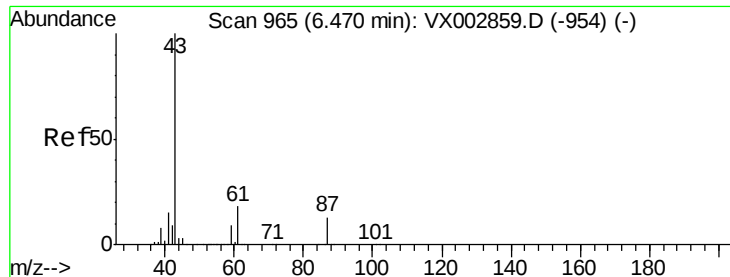
120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.70 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

S22-0037MSD

Tot Ion: 43 Resp: 359082

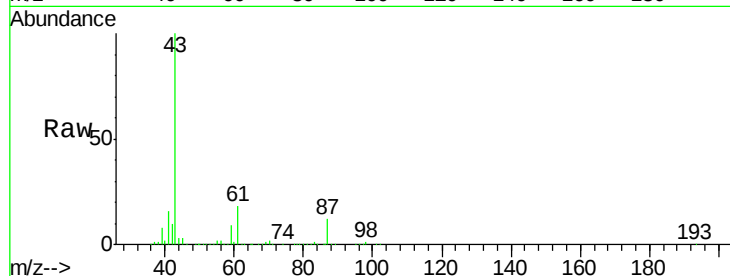
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 18.7 14.4 21.6

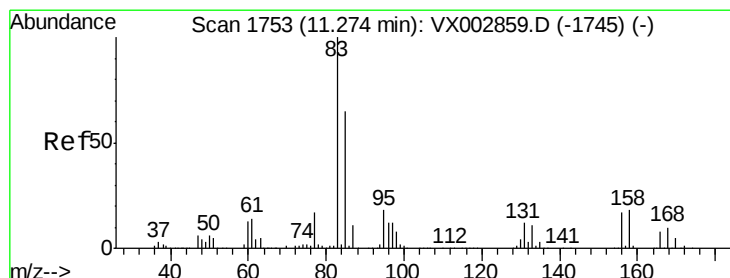
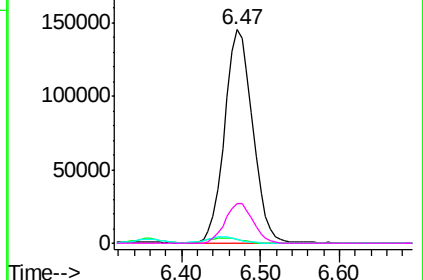
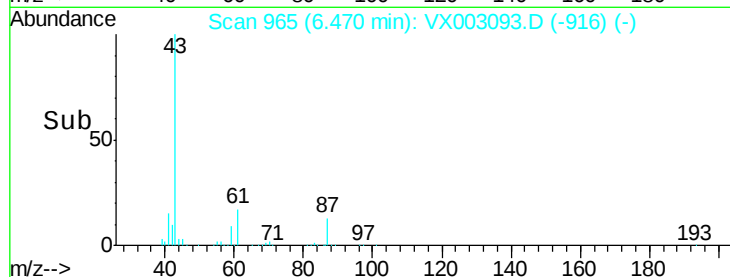


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 51.14 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

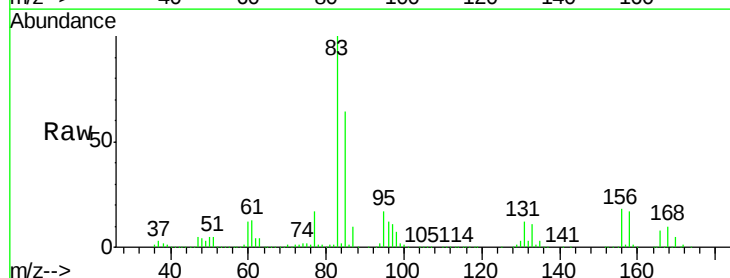
Tgt Ion: 83 Resp: 242337

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

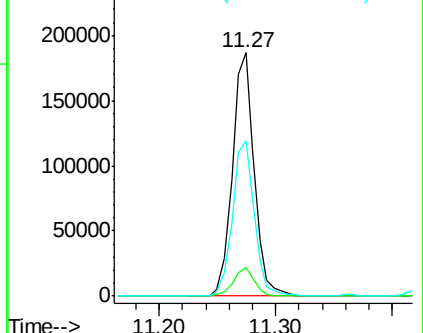
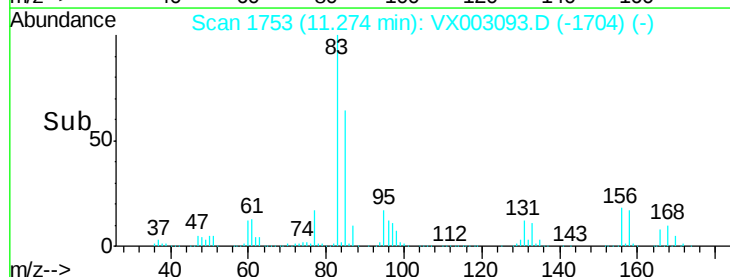
85 64.7 32.4 97.2

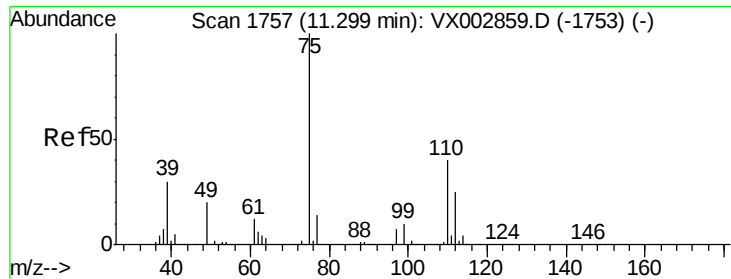


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

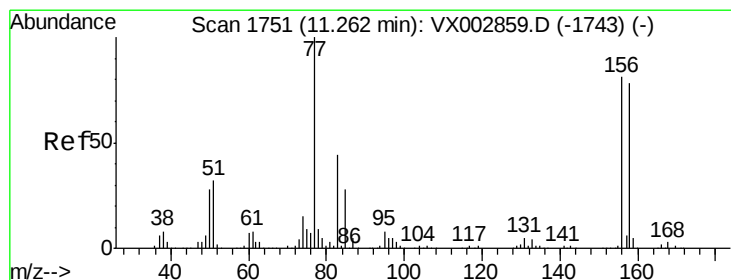
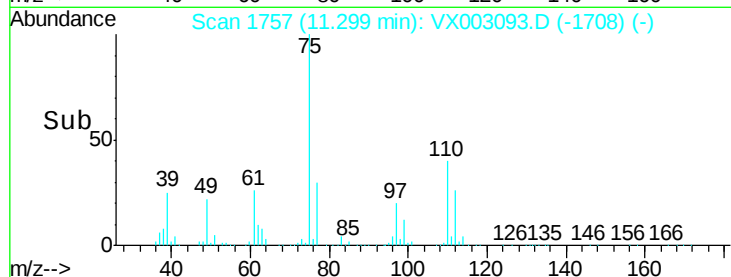
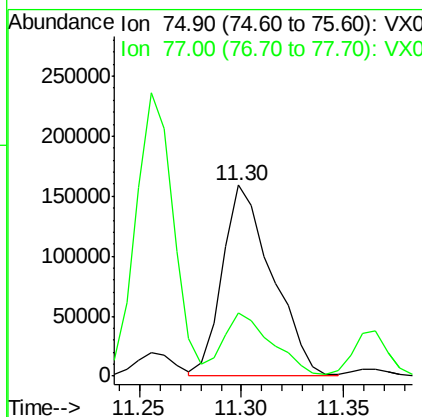
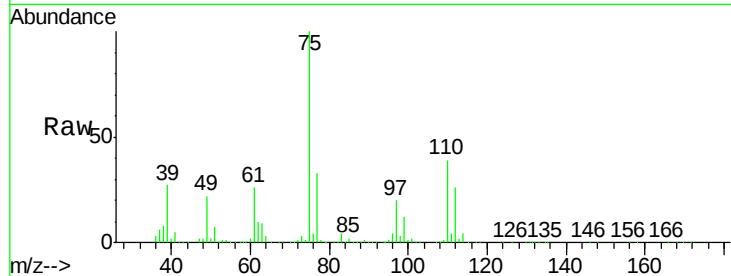




#76
 1,2,3-Trichloropropane
 Concen: 65.00 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

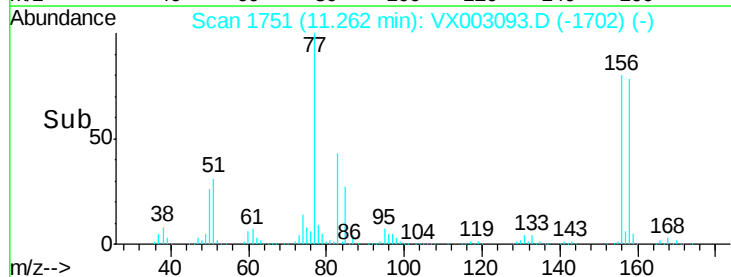
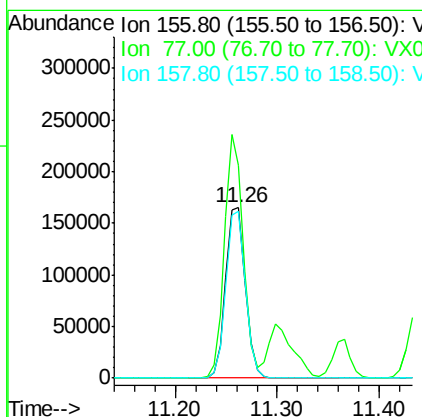
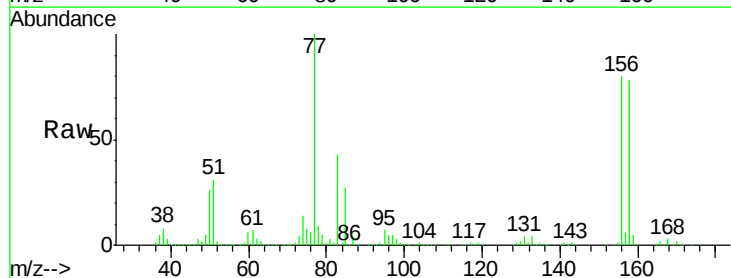
Instrument :
 MSVOA_X
 ClientSampled :
 S22-0037MSD

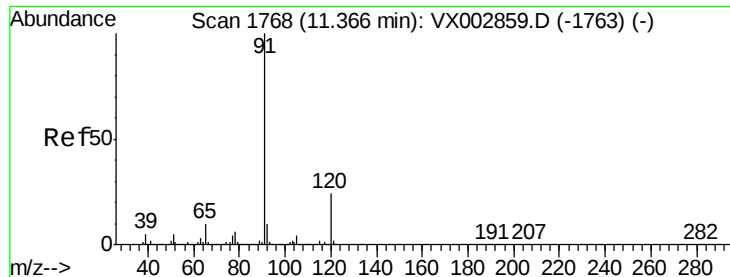
Tot Ion: 75 Resp: 269266
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.8 68.3



#77
 Bromobenzene
 Concen: 50.31 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

Tgt Ion: 156 Resp: 220414
 Ion Ratio Lower Upper
 156 100
 77 136.2 71.4 214.2
 158 97.0 48.9 146.6





#78

n-propylbenzene

Concen: 64.24 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampled :

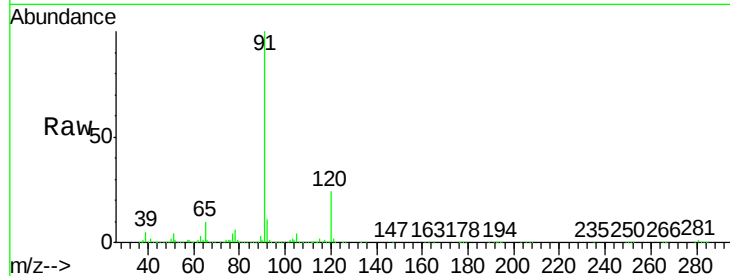
S22-0037MSD

Tot Ion: 91 Resp: 1124920

Ion Ratio Lower Upper

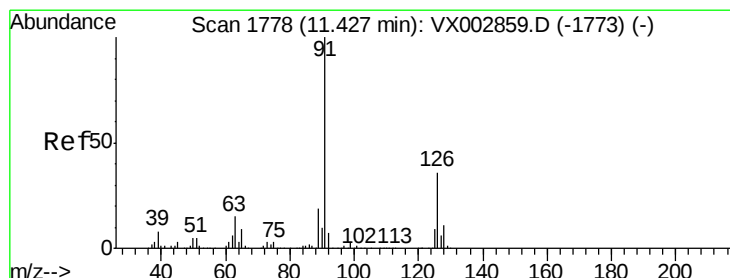
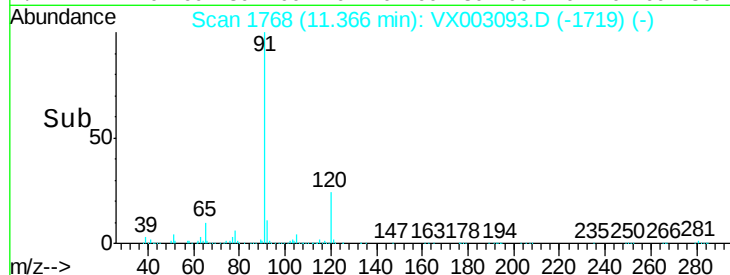
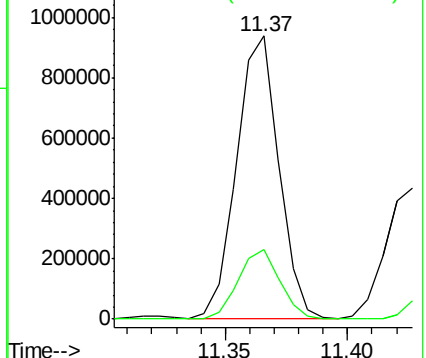
91 100

120 24.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 61.24 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003093.D

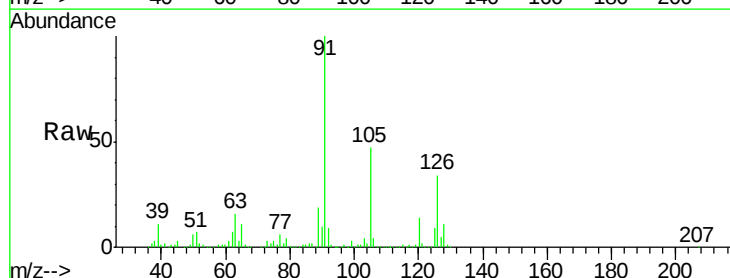
Acq: 30 Jun 2018 21:35

Tgt Ion: 91 Resp: 649217

Ion Ratio Lower Upper

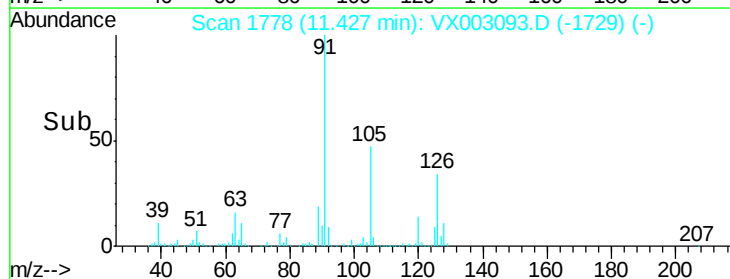
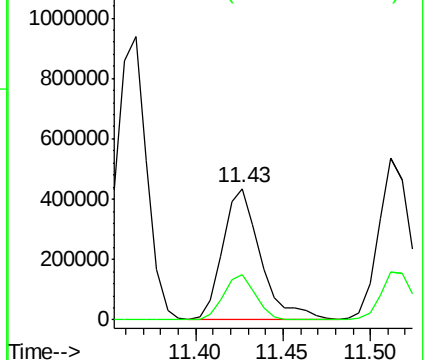
91 100

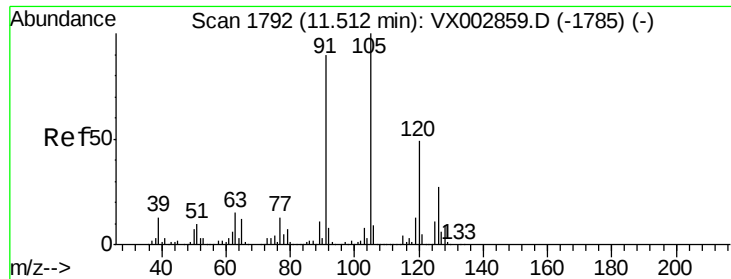
126 29.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

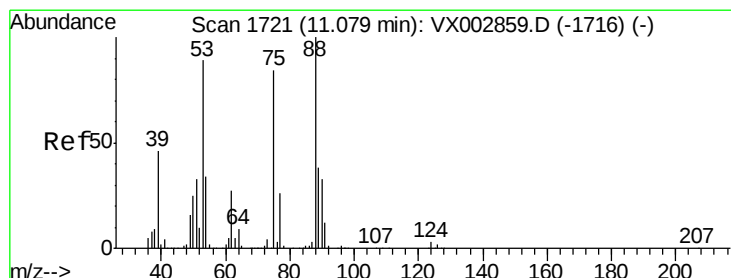
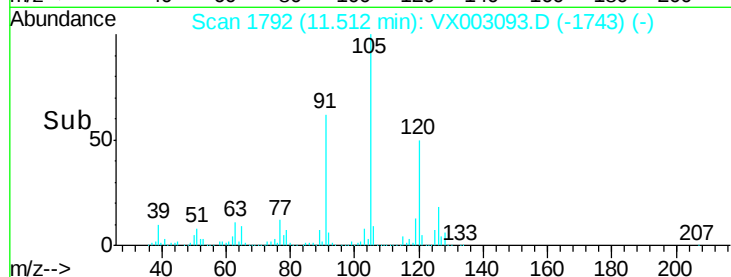
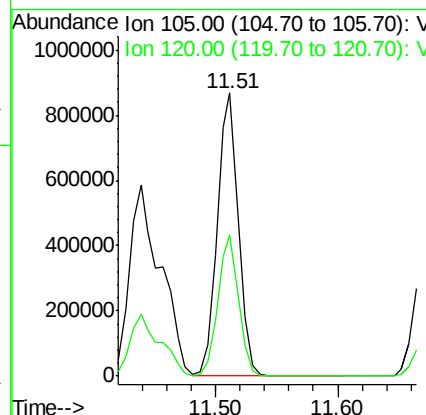
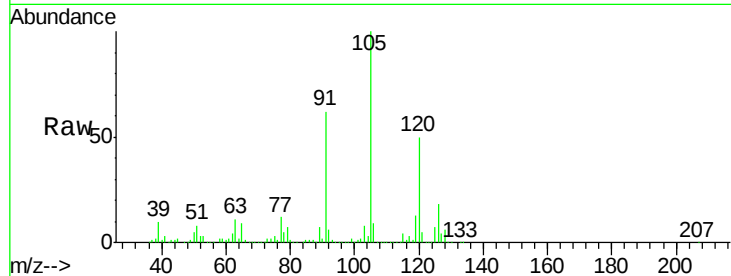




#80
 1,3,5-Trimethylbenzene
 Concen: 80.81 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

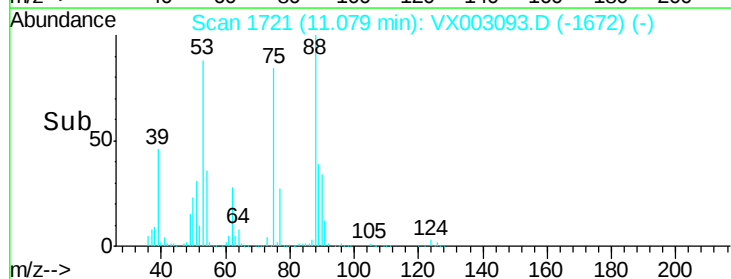
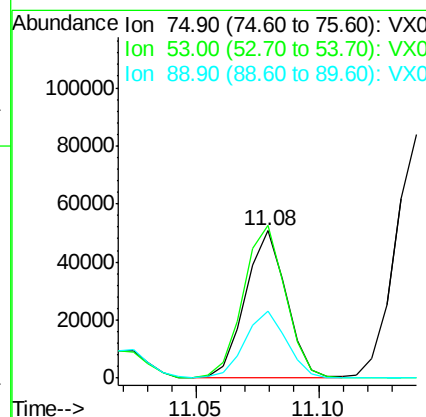
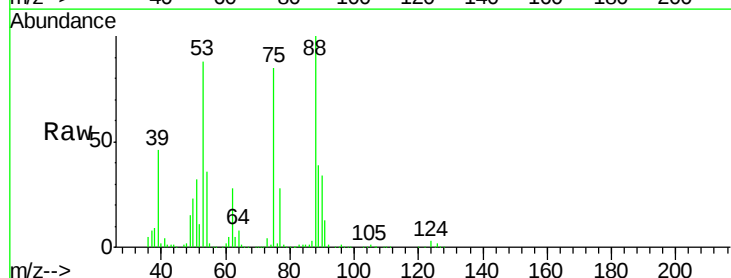
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0037MSD

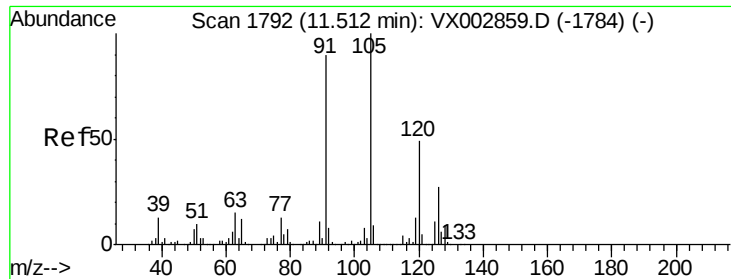
Tot Ion:105 Resp: 1047014
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.75 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

Tgt Ion: 75 Resp: 58763
 Ion Ratio Lower Upper
 75 100
 53 107.0 86.8 130.2
 89 47.0 38.2 57.2

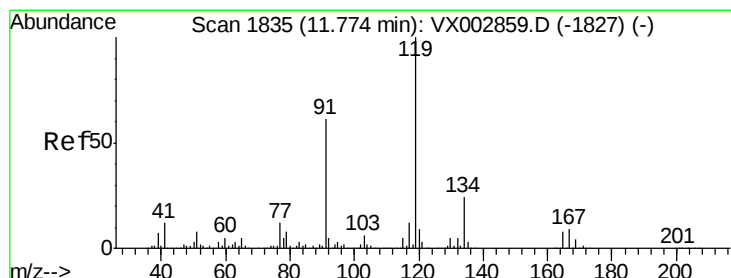
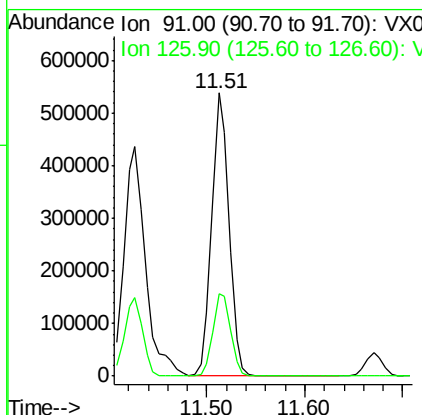
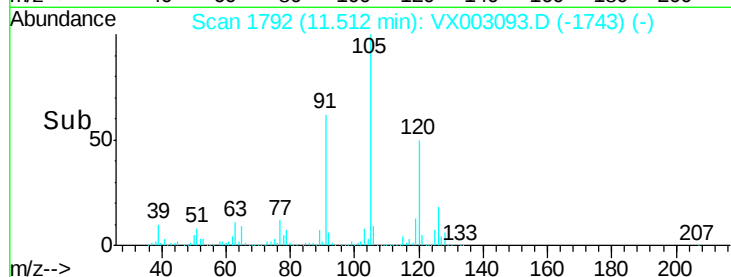
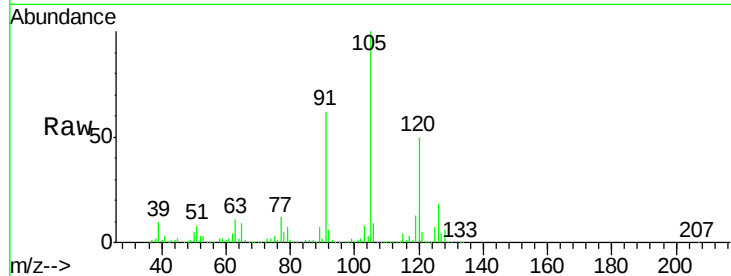




#82
4-Chlorotoluene
Concen: 52.76 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

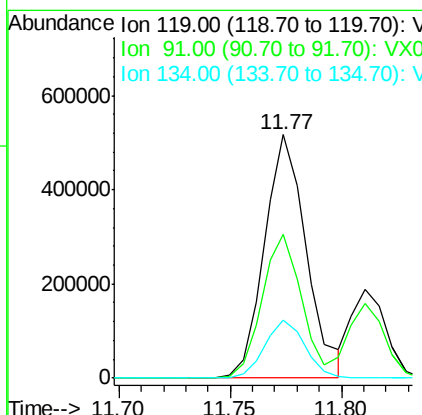
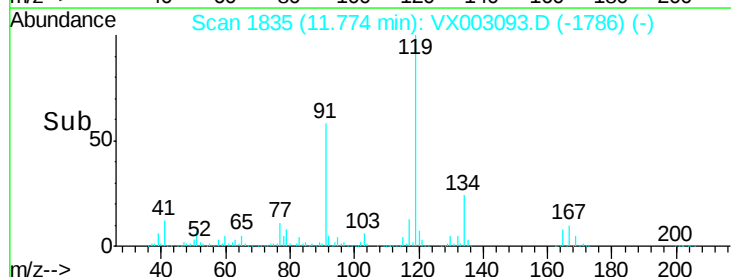
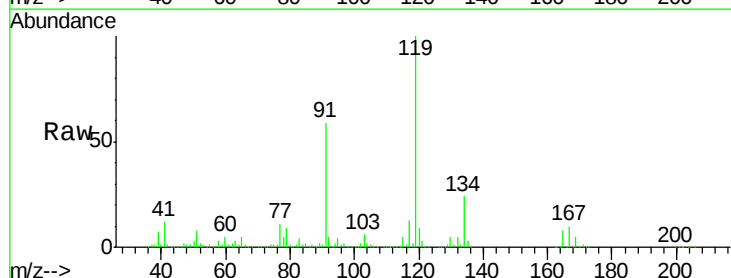
Instrument :
MSVOA_X
ClientSampleId :
S22-0037MSD

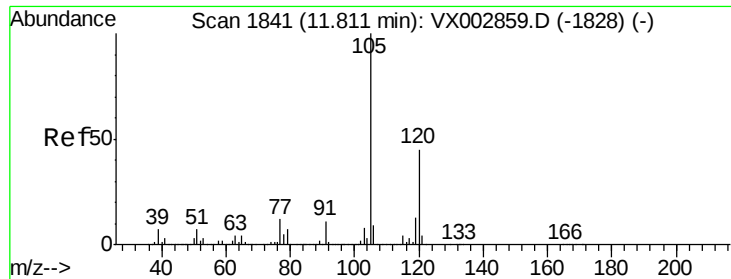
Tot Ion: 91 Resp: 662211
Ion Ratio Lower Upper
91 100
126 30.1 15.4 46.4



#83
tert-Butylbenzene
Concen: 52.84 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

Tgt Ion: 119 Resp: 674774
Ion Ratio Lower Upper
119 100
91 55.3 30.3 90.9
134 23.0 11.7 35.1

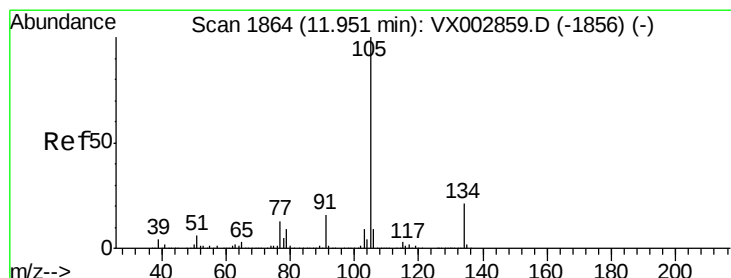
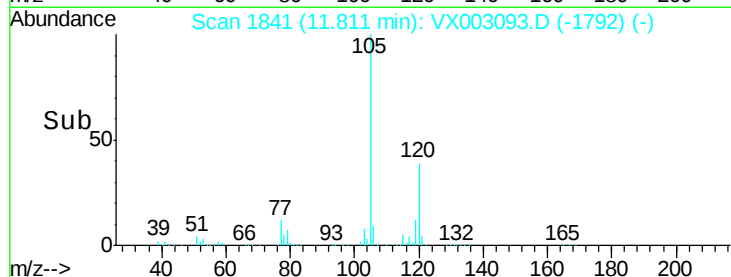
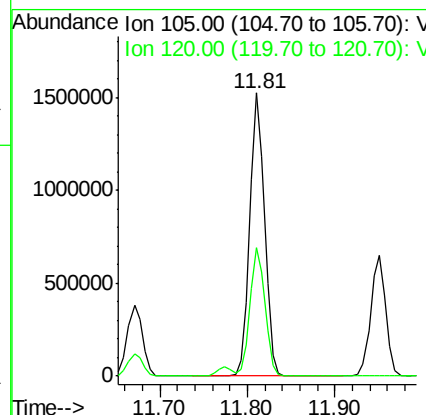
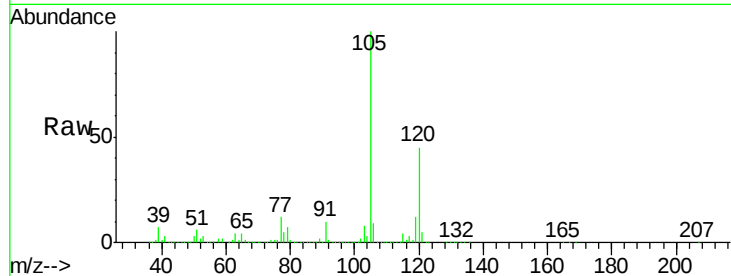




#84
 1,2,4-Trimethylbenzene
 Concen: 133.52 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

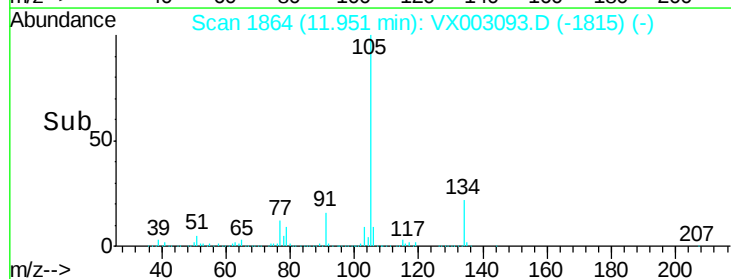
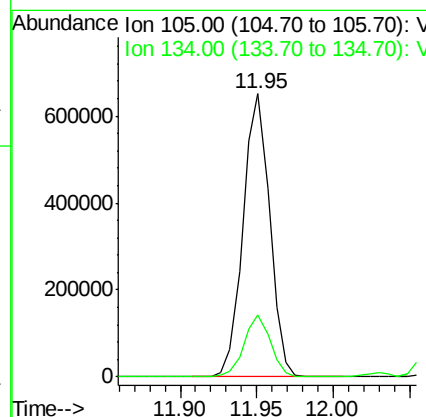
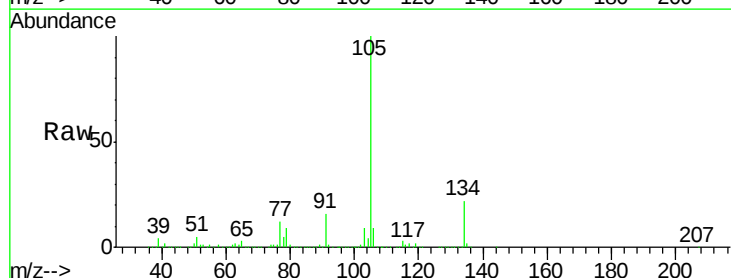
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0037MSD

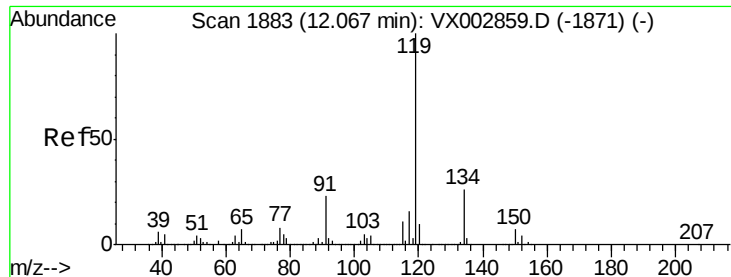
Tot Ion:105 Resp: 1792489
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 50.56 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

Tgt Ion:105 Resp: 783238
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.4 31.1

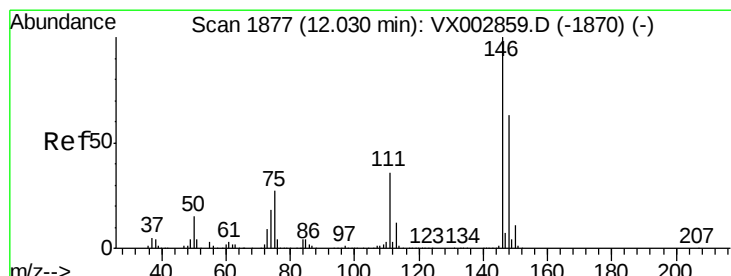
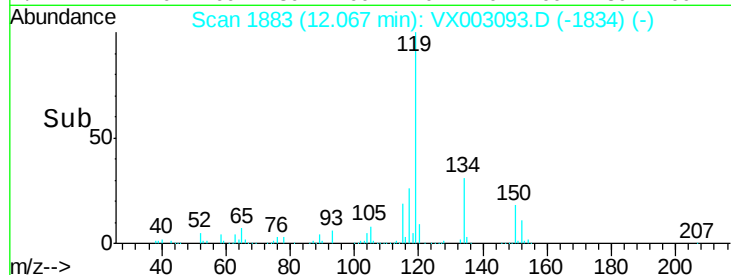
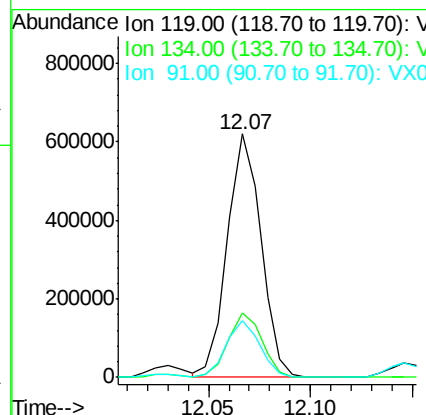
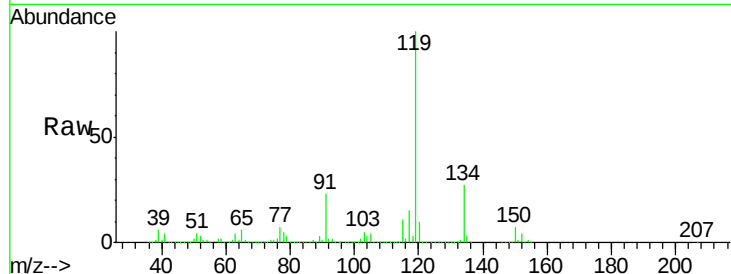




#86
 p-Isopropyltoluene
 Concen: 51.04 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

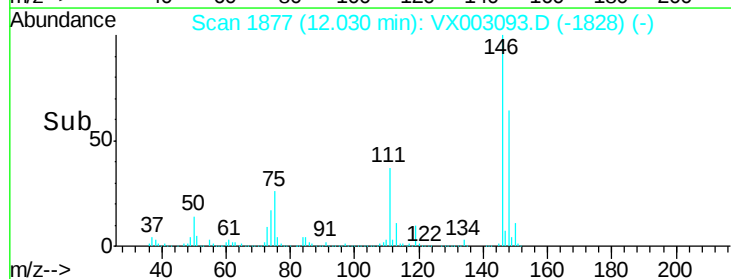
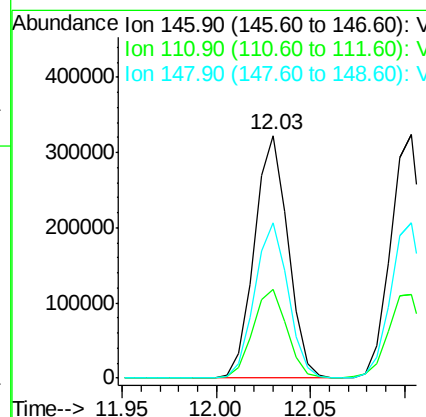
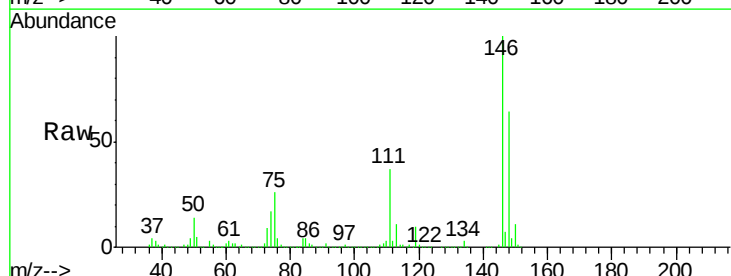
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0037MSD

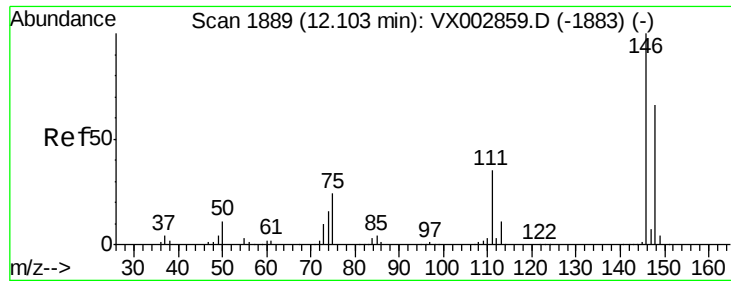
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.4	40.1
91	23.0	11.9	35.7



#87
 1,3-Dichlorobenzene
 Concen: 49.80 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.7
148	63.8	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 48.68 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

MSVOA_X

ClientSampleId :

S22-0037MSD

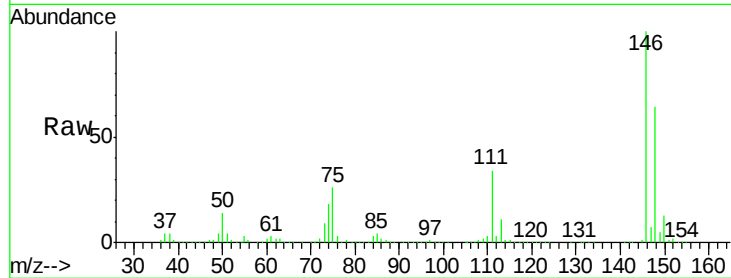
Tot Ion:146 Resp: 400850

Ion Ratio Lower Upper

146 100

111 36.1 18.7 56.1

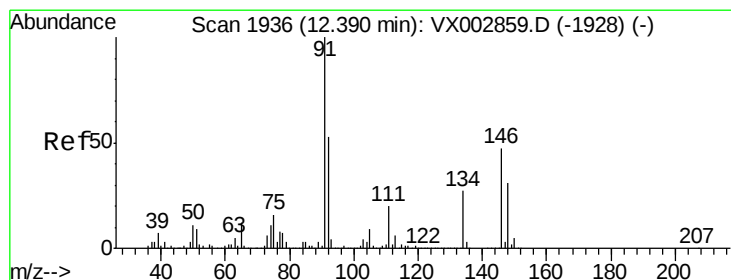
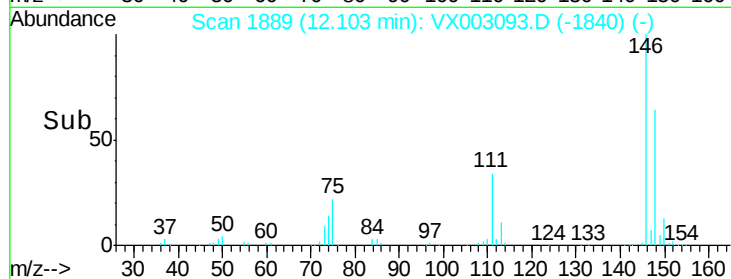
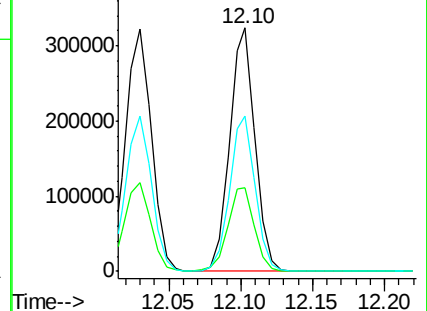
148 64.4 32.4 97.0



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: 49.46 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

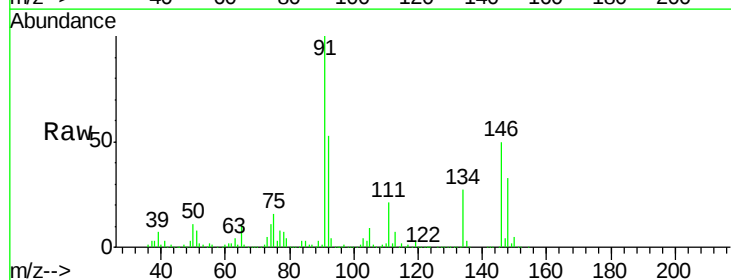
Tgt Ion: 91 Resp: 599547

Ion Ratio Lower Upper

91 100

92 51.8 26.0 78.0

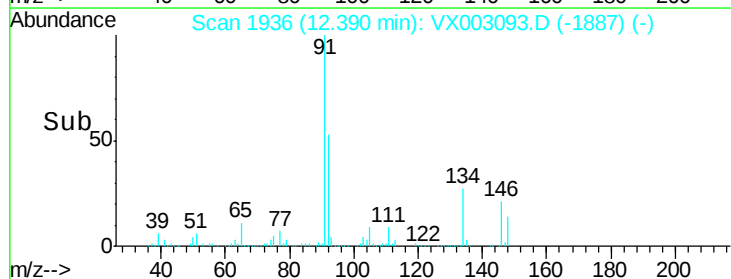
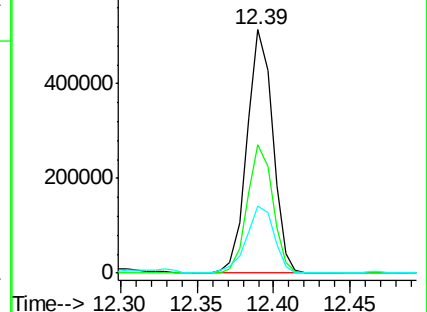
134 30.1 13.5 40.5

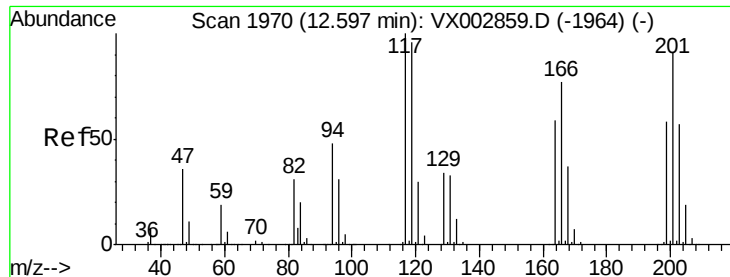


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

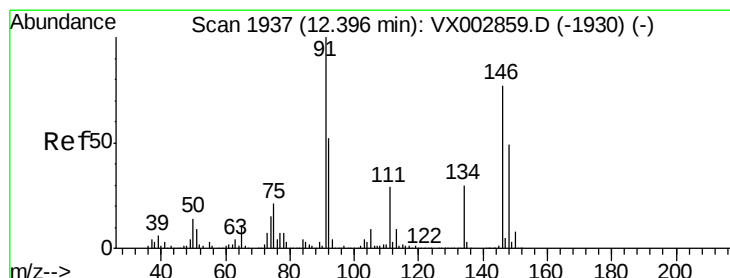
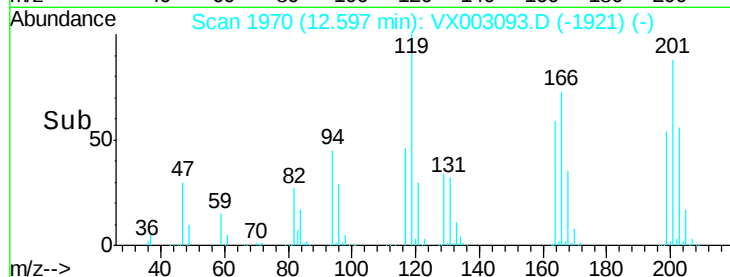
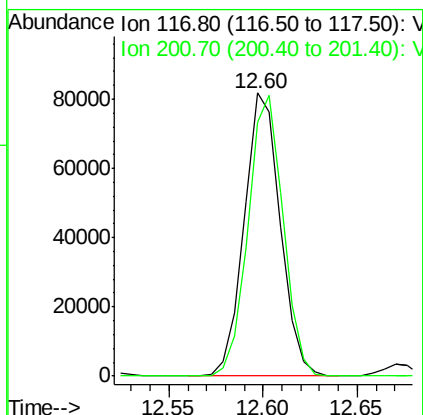
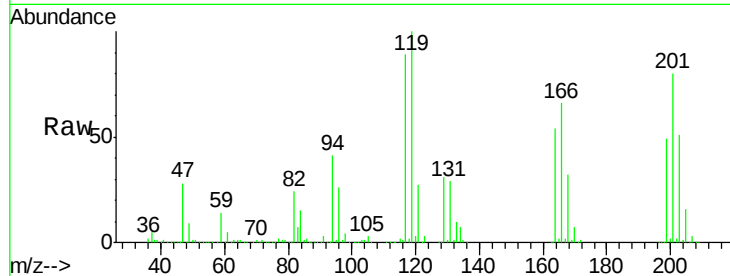




#90
Hexachloroethane
Concen: 52.41 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

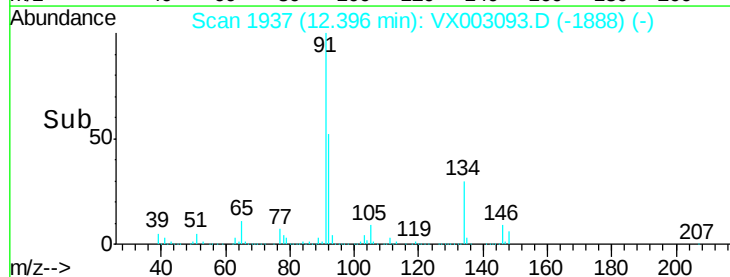
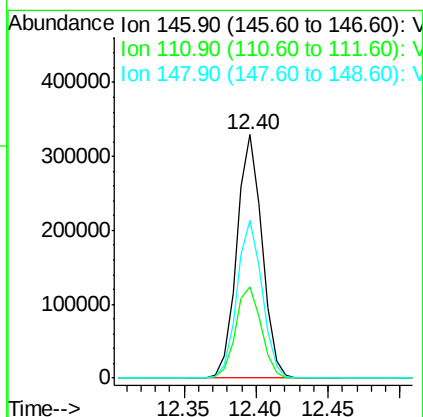
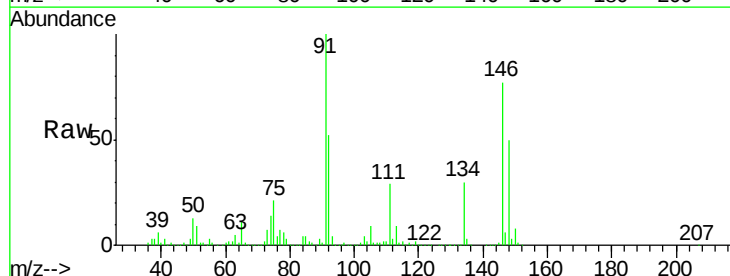
Instrument :
MSVOA_X
ClientSampleId :
S22-0037MSD

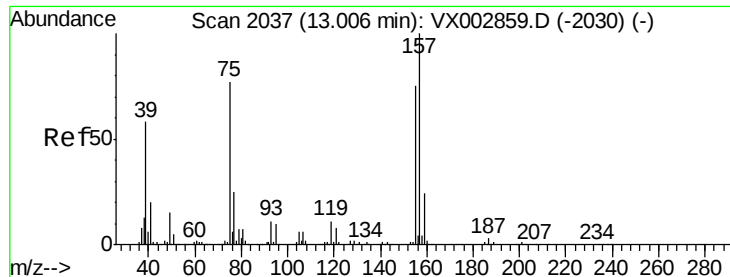
Tot Ion:117 Resp: 108574
Ion Ratio Lower Upper
117 100
201 95.9 49.0 147.0



#91
1,2-Dichlorobenzene
Concen: 49.75 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX003093.D
Acq: 30 Jun 2018 21:35

Tgt Ion:146 Resp: 401795
Ion Ratio Lower Upper
146 100
111 38.6 19.4 58.1
148 64.7 31.7 95.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 50.91 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

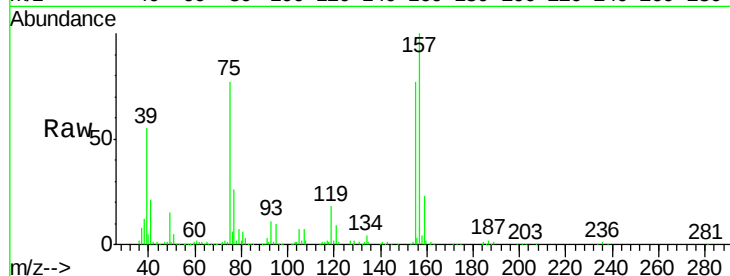
MSVOA_X

ClientSampleId :

S22-0037MSD

Tot Ion: 75 Resp: 54233

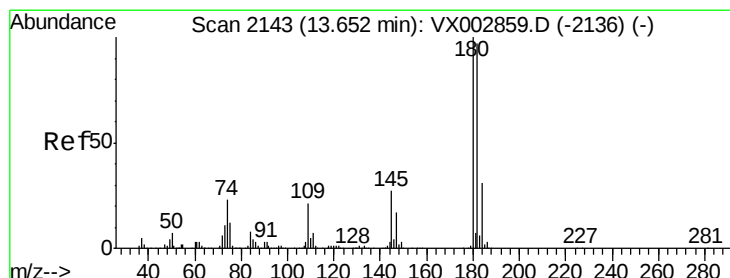
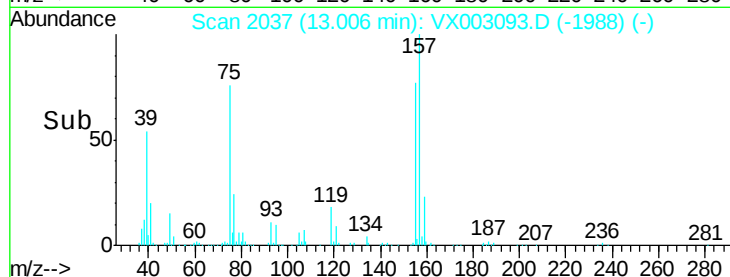
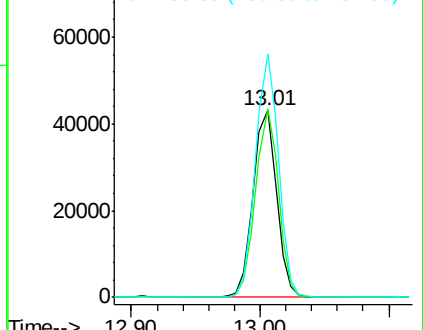
Ion	Ratio	Lower	Upper
75	100		
155	97.8	45.8	137.4
157	125.9	60.1	180.3



Abundance Ion 74.90 (74.60 to 75.60): VX003093.D (-1988) (-)

Ion 154.80 (154.50 to 155.50): VX003093.D (-1988) (-)

Ion 156.80 (156.50 to 157.50): VX003093.D (-1988) (-)



#93

1,2,4-Trichlorobenzene

Concen: 49.53 ug/l

RT: 13.65 min Scan# 2143

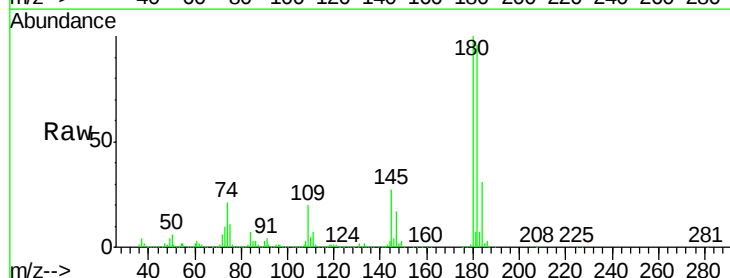
Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Tgt Ion: 180 Resp: 291110

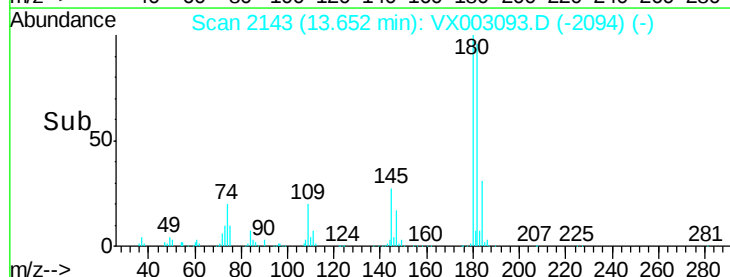
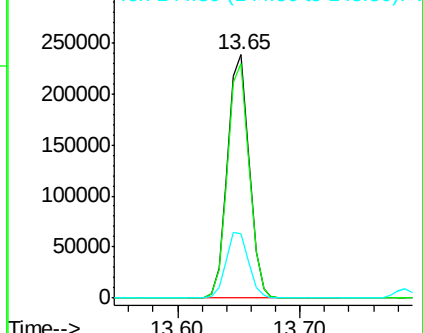
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.7	143.1
145	28.3	14.1	42.4

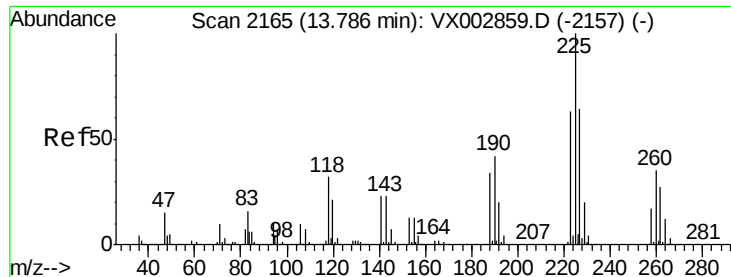


Abundance Ion 179.80 (179.50 to 180.50): VX003093.D (-2094) (-)

Ion 181.80 (181.50 to 182.50): VX003093.D (-2094) (-)

Ion 144.80 (144.50 to 145.50): VX003093.D (-2094) (-)





#94

Hexachlorobutadiene

Concen: 47.36 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Instrument :

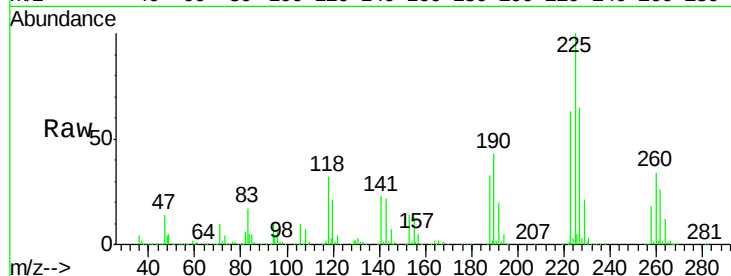
MSVOA_X

ClientSampleId :

S22-0037MSD

Tot Ion:225 Resp: 138830

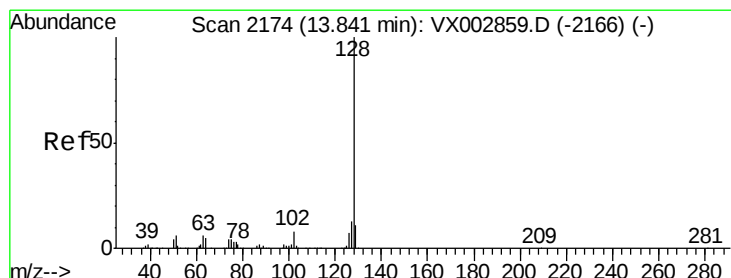
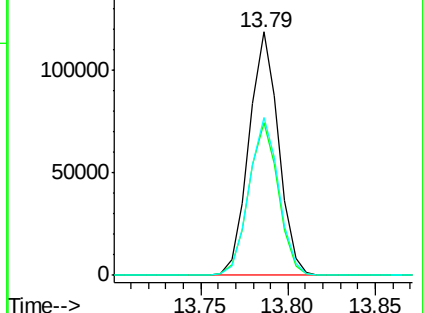
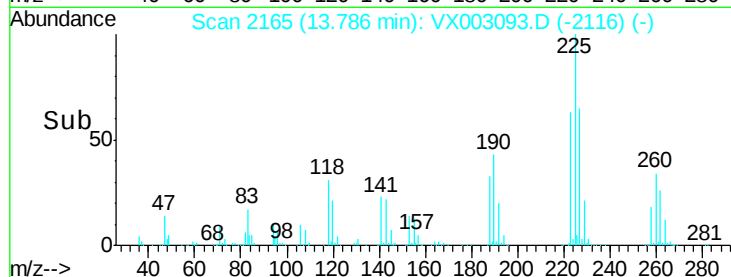
Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.6	95.0
227	64.9	32.4	97.2



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: 63.06 ug/l

RT: 13.84 min Scan# 2174

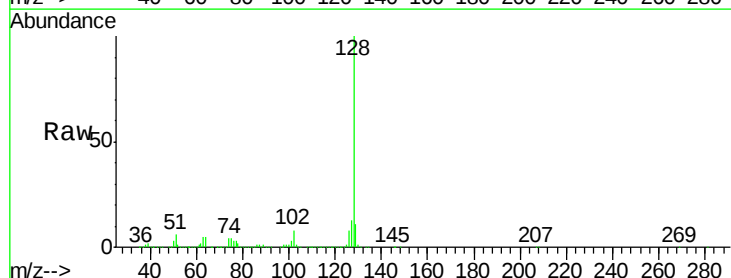
Delta R.T. -0.00 min

Lab File: VX003093.D

Acq: 30 Jun 2018 21:35

Tgt Ion:128 Resp: 987132

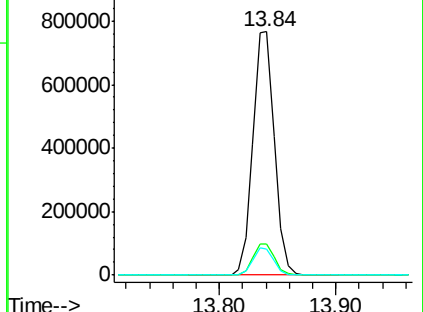
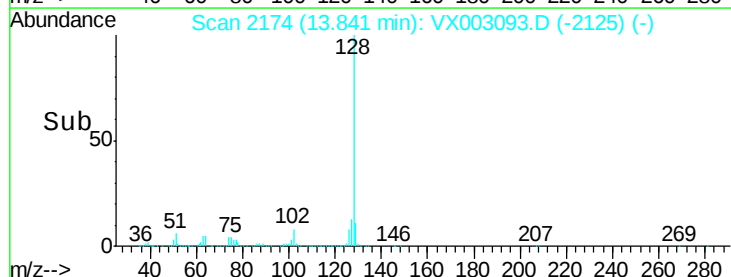
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	13.0

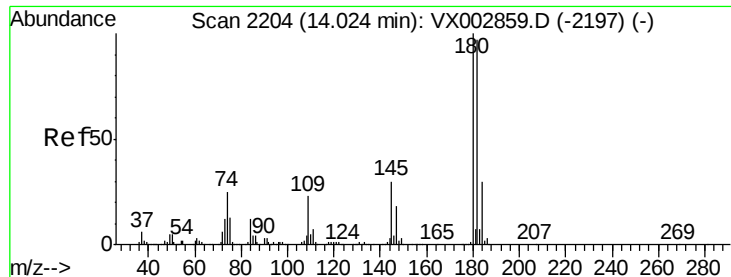


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

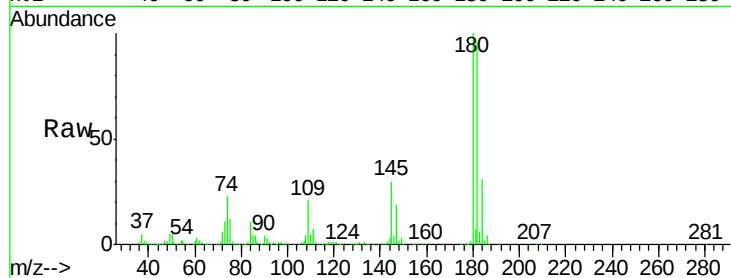




#96
 1,2,3-Trichlorobenzene
 Concen: 50.71 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX003093.D
 Acq: 30 Jun 2018 21:35

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0037MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.0	144.0
145	30.0	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

