

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004882.D
 Acq On : 01 Oct 2018 20:23
 Operator : JC/MD
 Sample : J5135-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Quant Time: Oct 02 02:43:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	219176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	330101	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	316007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195795	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	162584	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	5.51	113	132418	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
50) Toluene-d8	8.72	98	498936	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	11.14	95	185964	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	167453	56.034	ug/l	97
3) Chloromethane	1.32	50	185772	51.238	ug/l	100
4) Vinyl Chloride	1.40	62	184790	54.342	ug/l	99
5) Bromomethane	1.64	94	142755	70.795	ug/l	98
6) Chloroethane	1.71	64	107740	58.535	ug/l	98
7) Trichlorofluoromethane	1.92	101	235782	56.008	ug/l	95
8) Diethyl Ether	2.19	74	96035	52.511	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	129245	53.897	ug/l	98
10) Methyl Iodide	2.51	142	137137	42.736	ug/l	98
11) Tert butyl alcohol	3.09	59	242692	277.224	ug/l	99
12) 1,1-Dichloroethene	2.37	96	126361	53.208	ug/l	96
13) Acrolein	2.29	56	108655	174.442	ug/l	98
14) Allyl chloride	2.72	41	284288	54.864	ug/l	94
15) Acrylonitrile	3.15	53	531426	275.754	ug/l	99
16) Acetone	2.45	43	469157	256.665	ug/l	96
17) Carbon Disulfide	2.56	76	365599	51.232	ug/l	99
18) Methyl Acetate	2.78	43	264724	57.161	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	466231	56.915	ug/l	97
20) Methylene Chloride	2.85	84	148079	55.815	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	136190	52.387	ug/l	97
22) Diisopropyl ether	3.87	45	477497	54.724	ug/l	96
23) Vinyl Acetate	3.82	43	2016960	252.530	ug/l	96
24) 1,1-Dichloroethane	3.69	63	261761	50.291	ug/l	98
25) 2-Butanone	4.71	43	715661	265.613	ug/l	93
26) 2,2-Dichloropropane	4.58	77	170525	47.048	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	148365	51.086	ug/l	96
28) Bromochloromethane	5.02	49	122715	50.066	ug/l	90
29) Tetrahydrofuran	5.16	42	468537	279.782	ug/l	92
30) Chloroform	5.21	83	252993	51.430	ug/l	99
31) Cyclohexane	5.57	56	222057	55.742	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	215214	53.571	ug/l	99
36) 1,1-Dichloropropene	5.79	75	186542	48.871	ug/l	100
37) Ethyl Acetate	4.86	43	238007	46.974	ug/l	98
38) Carbon Tetrachloride	5.78	117	189499	47.229	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004882.D
 Acq On : 01 Oct 2018 20:23
 Operator : JC/MD
 Sample : J5135-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Quant Time: Oct 02 02:43:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	212318	54.474	ug/l	95
40) Benzene	6.14	78	569034	47.618	ug/l	99
41) Methacrylonitrile	5.06	41	141648	50.410	ug/l	96
42) 1,2-Dichloroethane	6.20	62	203312	48.128	ug/l	97
43) Isopropyl Acetate	6.46	43	360844	49.342	ug/l	96
44) Trichloroethene	7.21	130	149520	50.898	ug/l	91
45) 1,2-Dichloropropane	7.52	63	154240	52.633	ug/l	100
46) Dibromomethane	7.66	93	99125	53.822	ug/l	98
47) Bromodichloromethane	7.90	83	190929	55.371	ug/l	99
48) Methyl methacrylate	7.78	41	197454	59.487	ug/l	94
49) 1,4-Dioxane	7.76	88	92563	1122.463	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1344139	291.909	ug/l	95
52) Toluene	8.79	92	354509	53.989	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	210899	54.124	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	222834	54.598	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	147734	51.363	ug/l	97
56) Ethyl methacrylate	9.18	69	235115	50.353	ug/l	94
57) 1,3-Dichloropropane	9.37	76	247561	51.715	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.26	63	2329	15.128	ug/l #	45
59) 2-Hexanone	9.50	43	1073676	279.812	ug/l	94
60) Dibromochloromethane	9.59	129	154914	53.855	ug/l	100
61) 1,2-Dibromoethane	9.67	107	153684	49.892	ug/l	99
64) Tetrachloroethene	9.34	164	141224	45.407	ug/l	98
65) Chlorobenzene	10.14	112	399273	49.273	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	143507	50.375	ug/l	100
67) Ethyl Benzene	10.26	91	676384	52.575	ug/l	98
68) m/p-Xylenes	10.36	106	528780	105.182	ug/l	95
69) o-Xylene	10.70	106	254104	55.030	ug/l	96
70) Styrene	10.71	104	430579	49.864	ug/l	97
71) Bromoform	10.86	173	127703	52.361	ug/l	99
73) Isopropylbenzene	11.02	105	680606	55.149	ug/l	99
74) N-amyl acetate	10.90	43	316998	46.847	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	249827	49.730	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	282906	64.466	ug/l	89
77) Bromobenzene	11.26	156	183522	51.197	ug/l	97
78) n-propylbenzene	11.36	91	784079	55.372	ug/l	99
79) 2-Chlorotoluene	11.42	91	469352	53.177	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	579228	51.213	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	70404	44.003	ug/l	99
82) 4-Chlorotoluene	11.51	91	556569	53.574	ug/l	99
83) tert-Butylbenzene	11.77	119	575722	56.660	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	598638	51.325	ug/l	98
85) sec-Butylbenzene	11.94	105	683368	55.216	ug/l	98
86) p-Isopropyltoluene	12.07	119	614920	54.840	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	338631	50.591	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	344311	49.831	ug/l	99
89) n-Butylbenzene	12.39	91	542470	53.269	ug/l	98
90) Hexachloroethane	12.60	117	99161	53.114	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	343223	49.067	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	59480	53.923	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
Data File : VX004882.D
Acq On : 01 Oct 2018 20:23
Operator : JC/MD
Sample : J5135-03MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Quant Time: Oct 02 02:43:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration

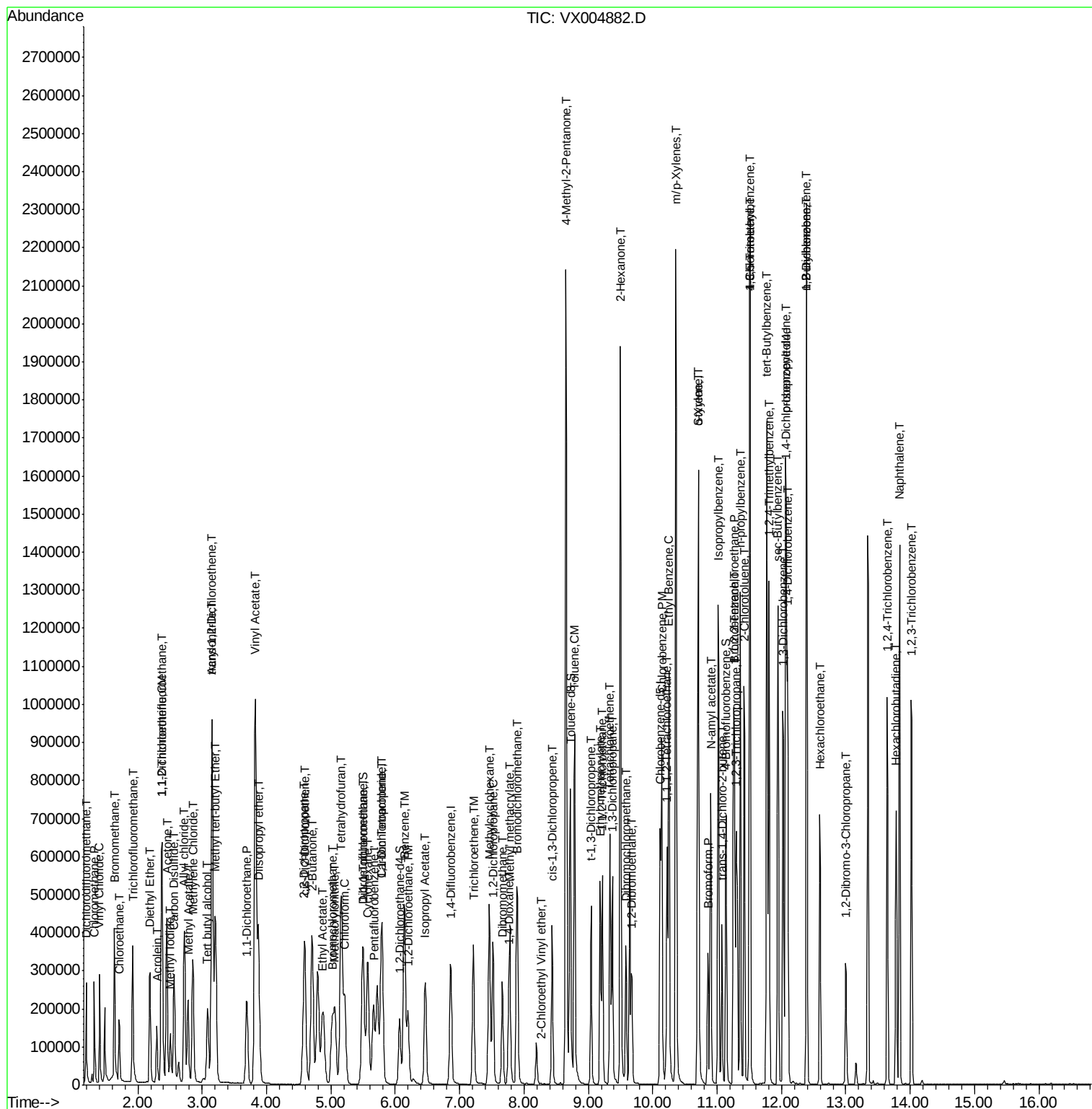
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	253795	51.722	ug/l	99
94) Hexachlorobutadiene	13.79	225	120556	47.379	ug/l	97
95) Naphthalene	13.83	128	836289	51.330	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	265115	52.303	ug/l	99

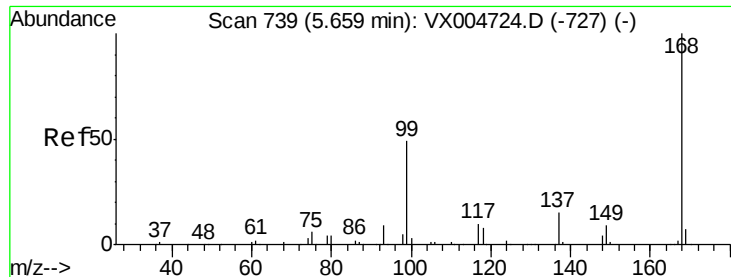
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100118\
Data File : VX004882.D
Acq On : 01 Oct 2018 20:23
Operator : JC/MD
Sample : J5135-03MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Quant Time: Oct 02 02:43:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

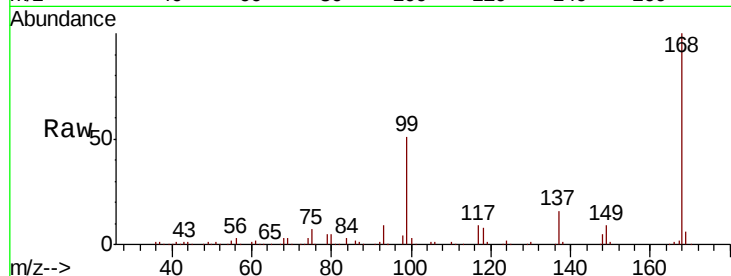
SA-TW502-0913MSD

Tot Ion:168 Resp: 219176

Ion Ratio Lower Upper

168 100

99 51.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

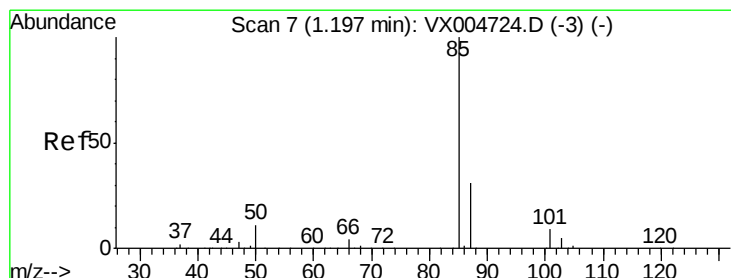
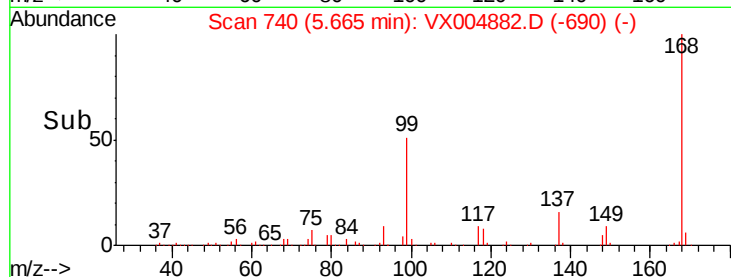
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 56.034 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX004882.D

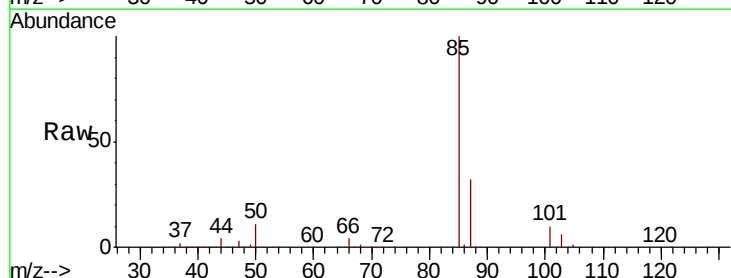
Acq: 01 Oct 2018 20:23

Tgt Ion: 85 Resp: 167453

Ion Ratio Lower Upper

85 100

87 32.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

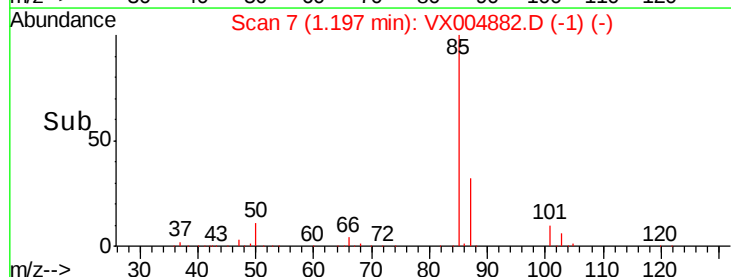
100000

50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 51.238 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

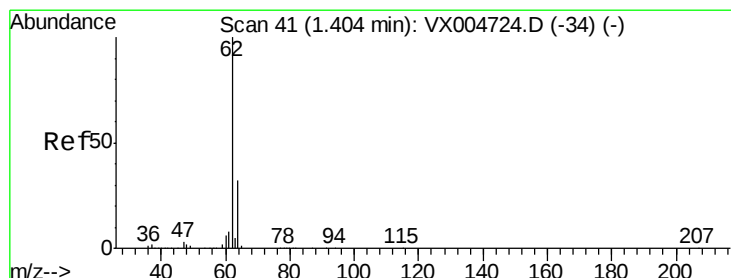
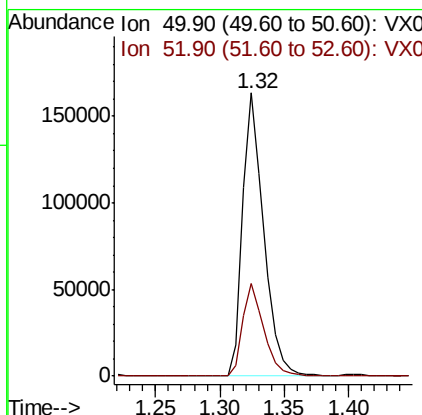
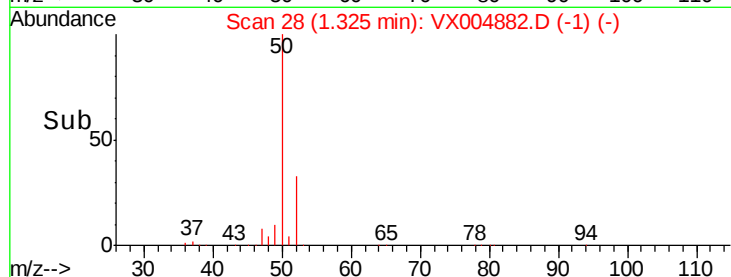
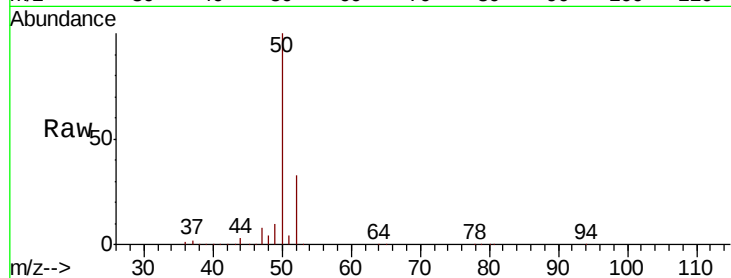
SA-TW502-0913MSD

Tot Ion: 50 Resp: 185772

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.2



#4

Vinyl Chloride

Concen: 54.342 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004882.D

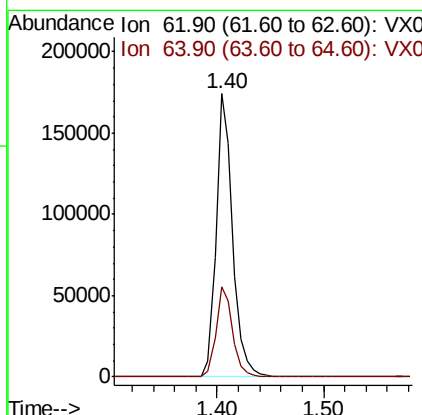
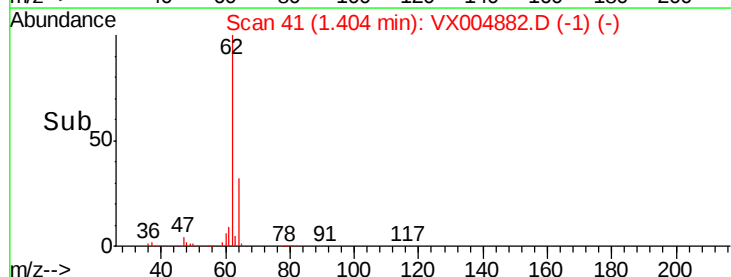
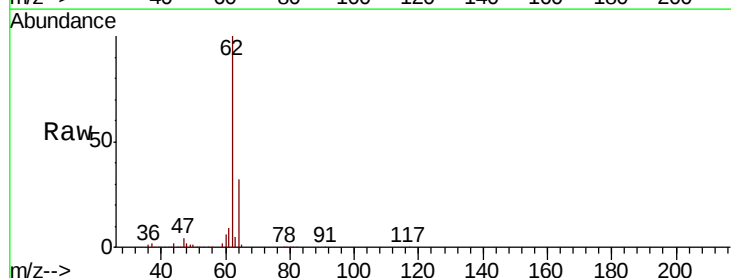
Acq: 01 Oct 2018 20:23

Tgt Ion: 62 Resp: 184790

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 70.795 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

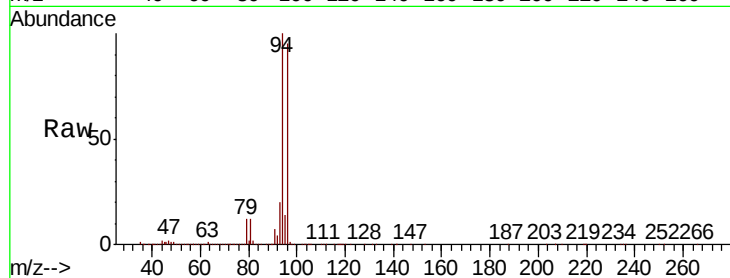
SA-TW502-0913MSD

Tot Ion: 94 Resp: 142755

Ion Ratio Lower Upper

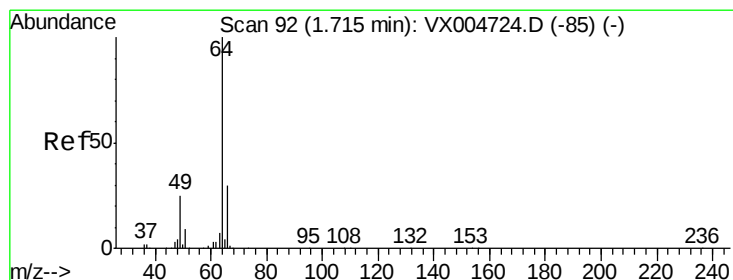
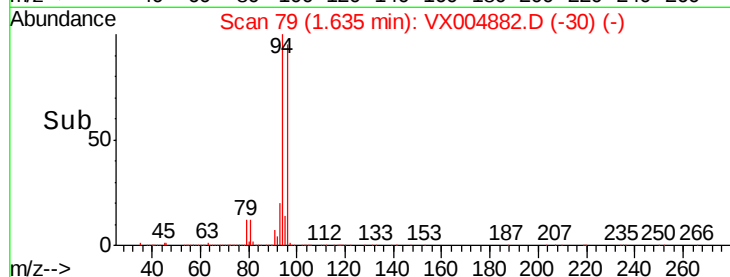
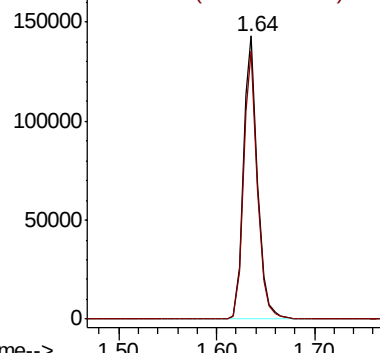
94 100

96 94.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 58.535 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX004882.D

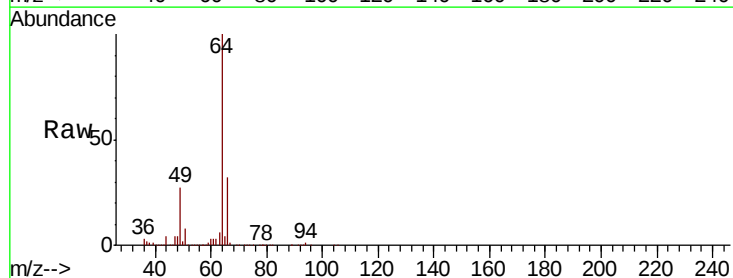
Acq: 01 Oct 2018 20:23

Tgt Ion: 64 Resp: 107740

Ion Ratio Lower Upper

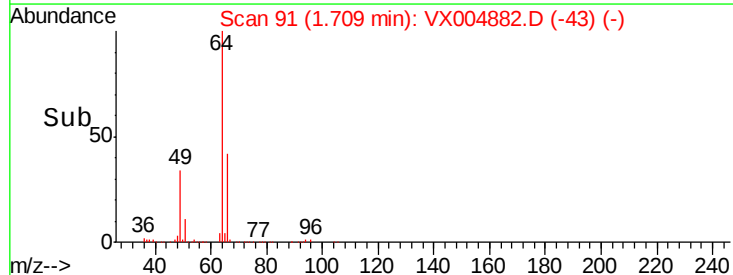
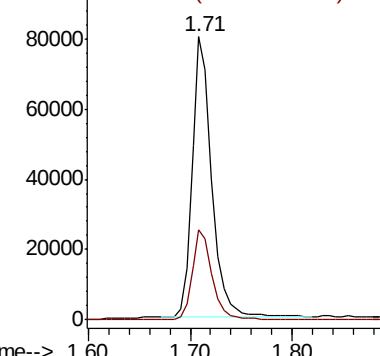
64 100

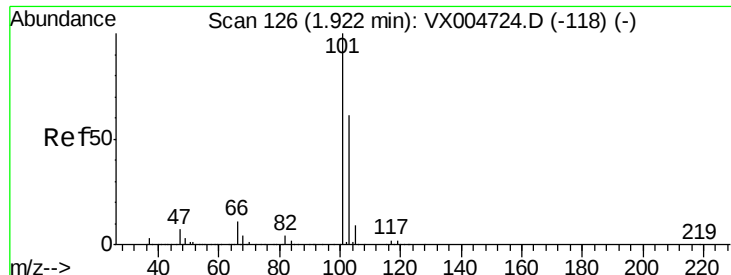
66 32.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



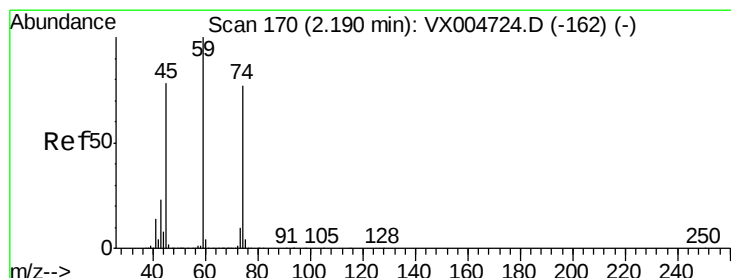
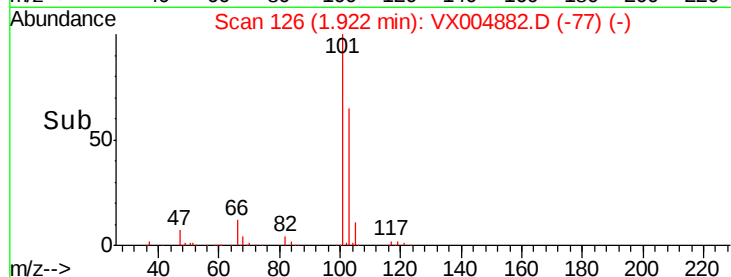
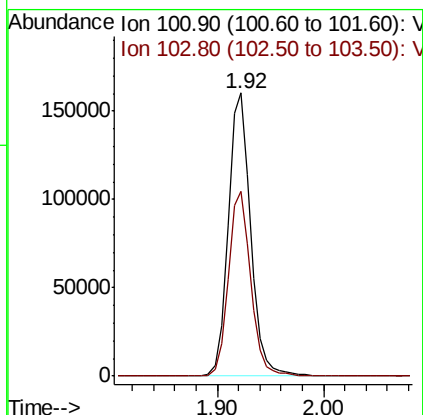
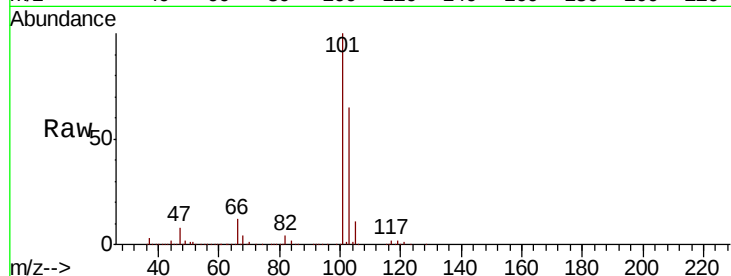


#7

Trichlorofluoromethane
 Concen: 56.008 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

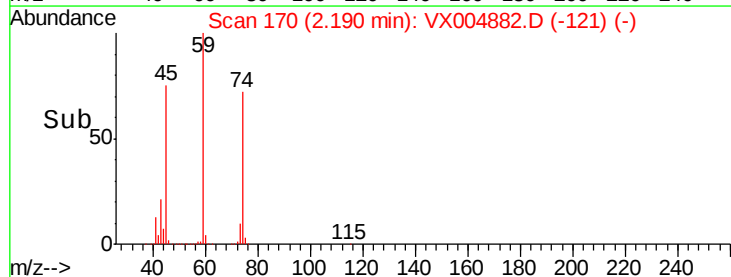
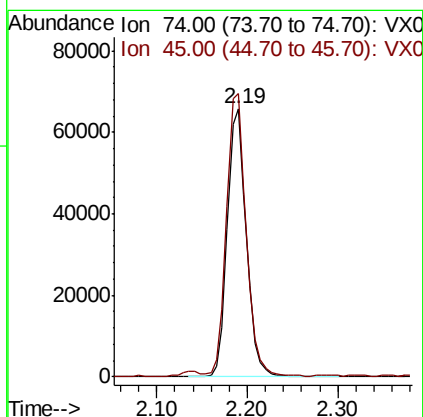
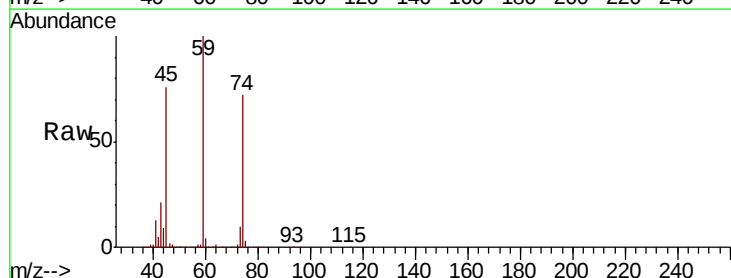
Tot Ion:101 Resp: 235782
 Ion Ratio Lower Upper
 101 100
 103 65.2 48.9 73.3

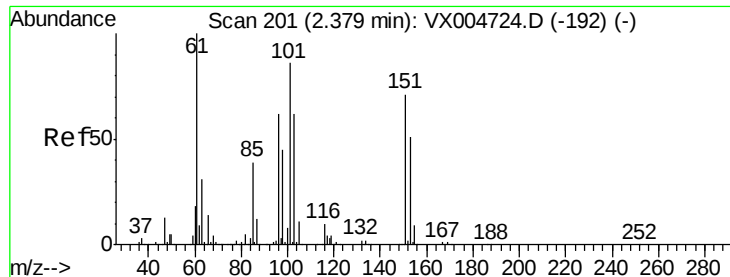


#8

Diethyl Ether
 Concen: 52.511 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion: 74 Resp: 96035
 Ion Ratio Lower Upper
 74 100
 45 108.4 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.897 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

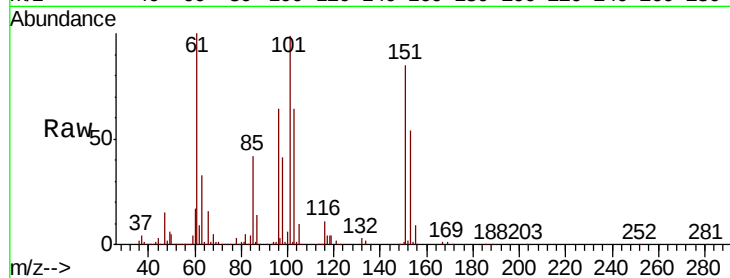
Tot Ion:101 Resp: 129245

Ion Ratio Lower Upper

101 100

85 43.7 34.2 51.4

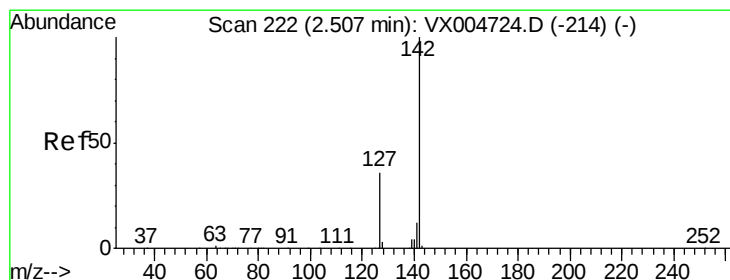
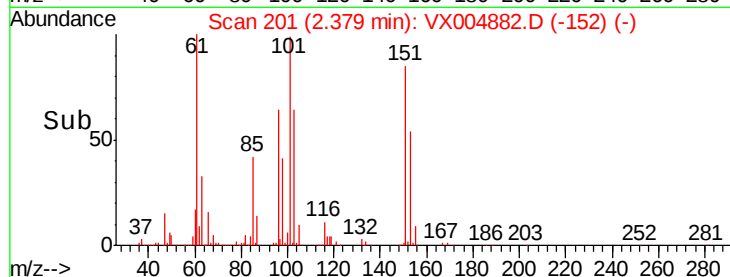
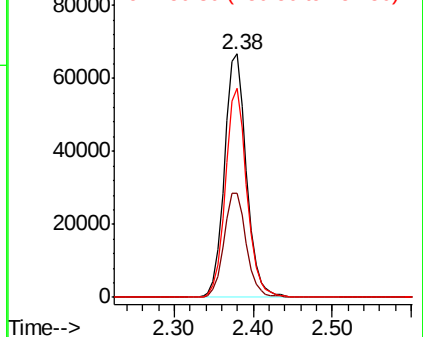
151 83.7 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.736 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

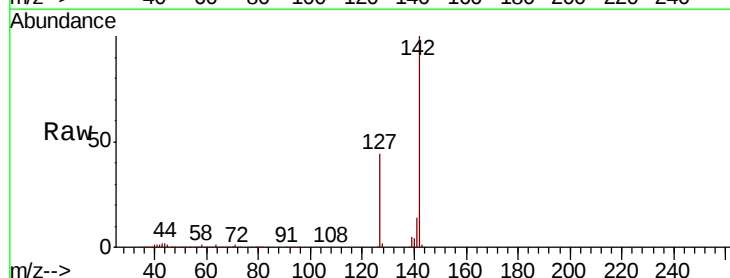
Tgt Ion:142 Resp: 137137

Ion Ratio Lower Upper

142 100

127 43.7 33.8 50.6

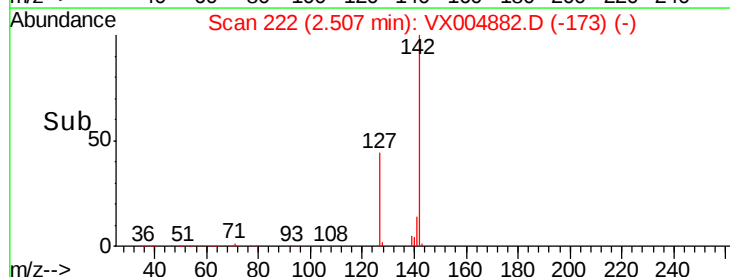
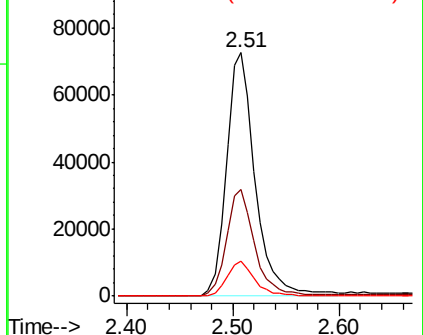
141 14.1 11.4 17.0

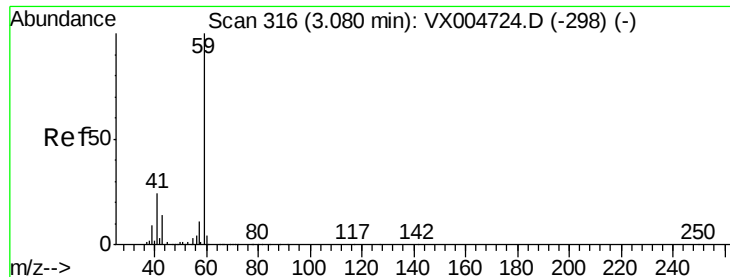


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



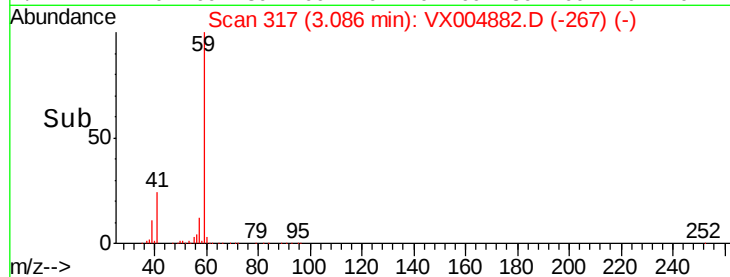
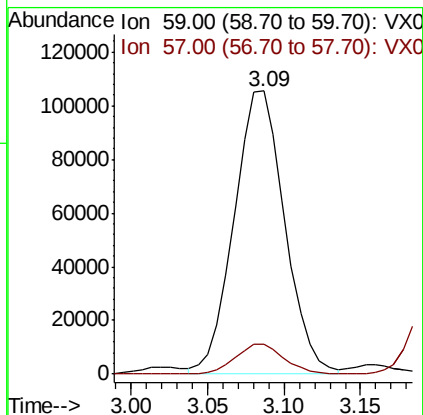
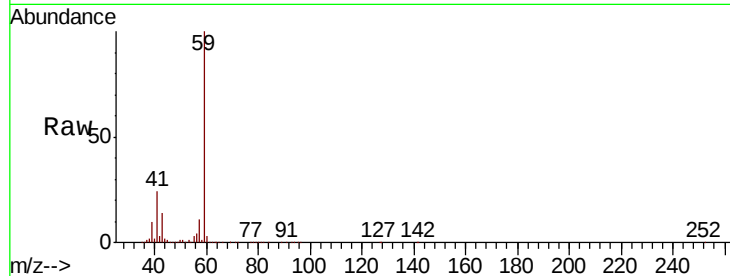


#11

Tert butyl alcohol
 Concen: 277.224 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

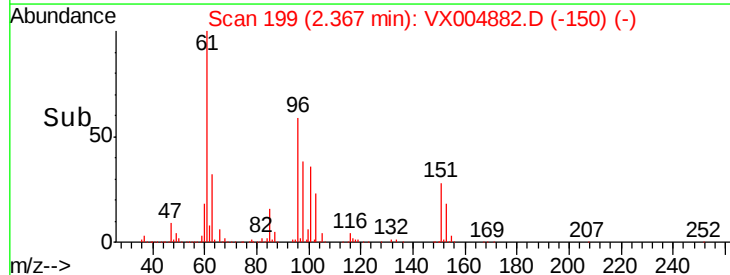
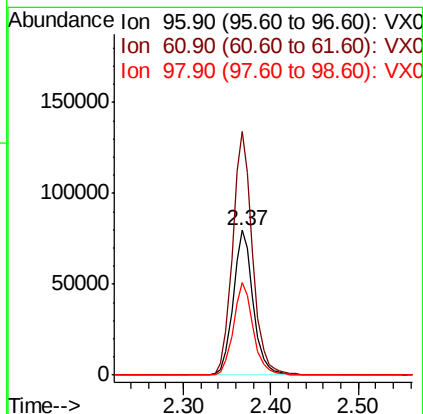
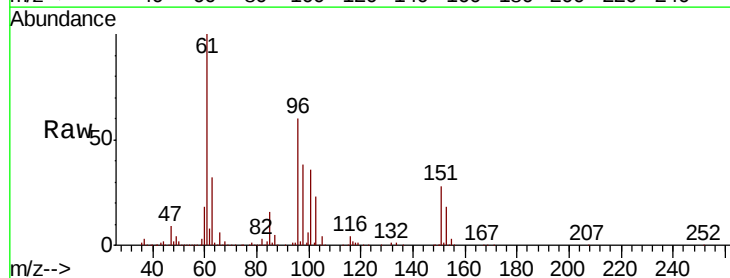
Tot Ion: 59 Resp: 242692
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.4



#12

1,1-Dichloroethene
 Concen: 53.208 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion: 96 Resp: 126361
 Ion Ratio Lower Upper
 96 100
 61 168.0 128.8 193.2
 98 63.5 52.2 78.2





#13

Acrolein

Concen: 174.442 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

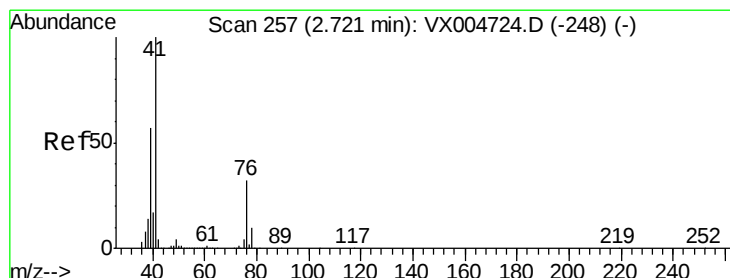
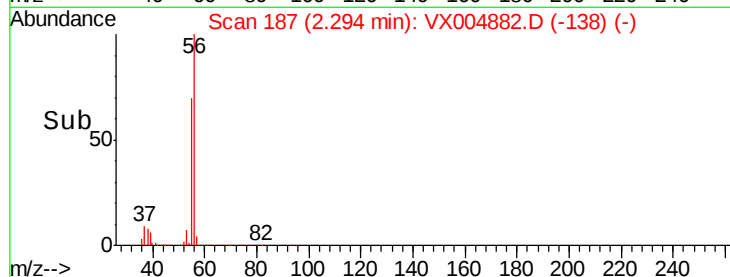
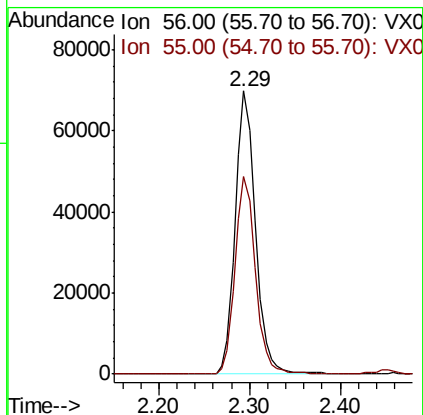
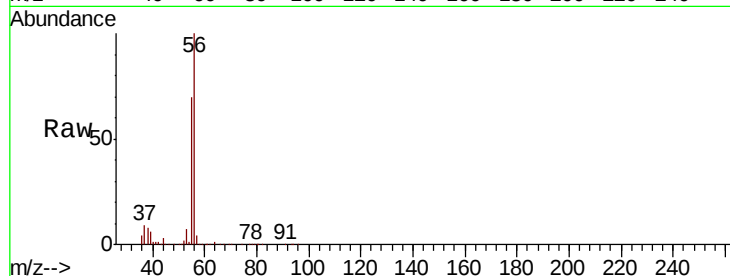
SA-TW502-0913MSD

Tot Ion: 56 Resp: 108655

Ion Ratio Lower Upper

56 100

55 70.3 54.7 82.1



#14

Allyl chloride

Concen: 54.864 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

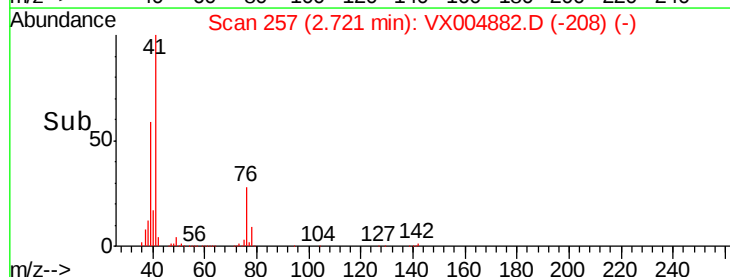
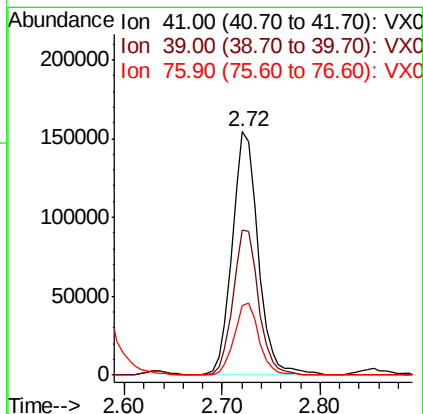
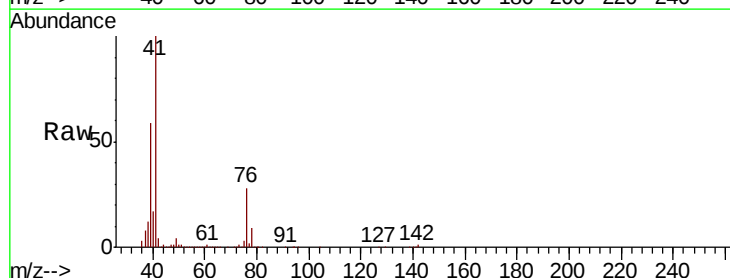
Tgt Ion: 41 Resp: 284288

Ion Ratio Lower Upper

41 100

39 58.3 48.9 73.3

76 28.3 26.7 40.1





#15

Acrylonitrile

Concen: 275.754 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

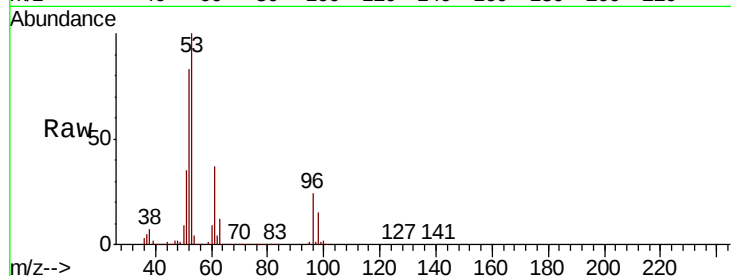
Tot Ion: 53 Resp: 531426

Ion Ratio Lower Upper

53 100

52 82.6 65.2 97.8

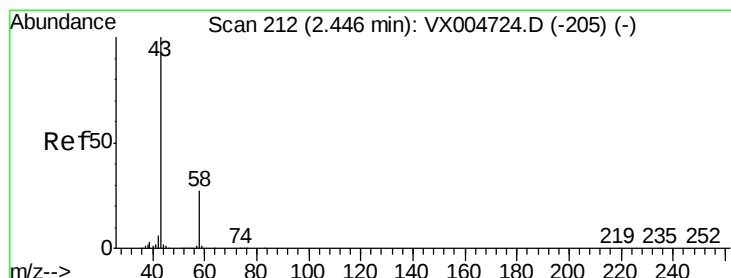
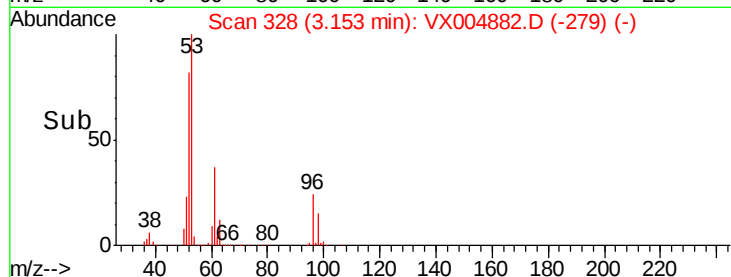
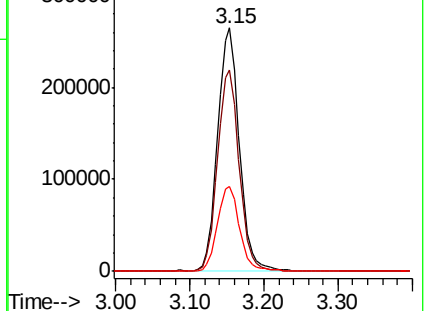
51 35.8 28.2 42.2



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: 256.665 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX004882.D

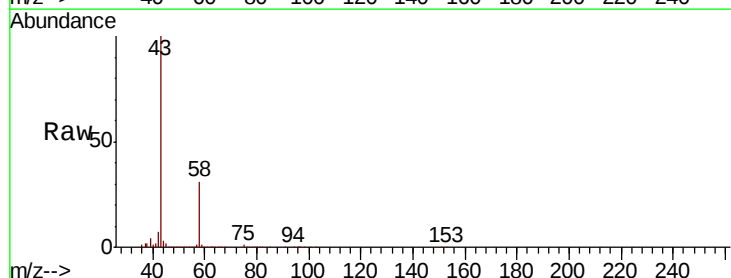
Acq: 01 Oct 2018 20:23

Tgt Ion: 43 Resp: 469157

Ion Ratio Lower Upper

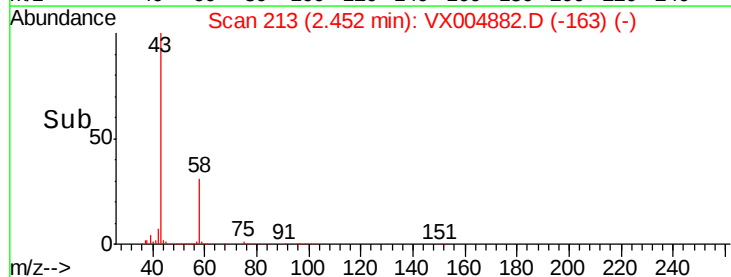
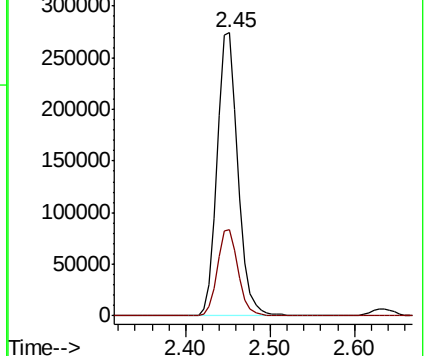
43 100

58 30.6 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

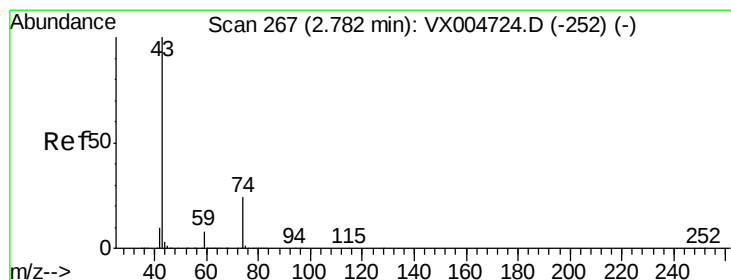
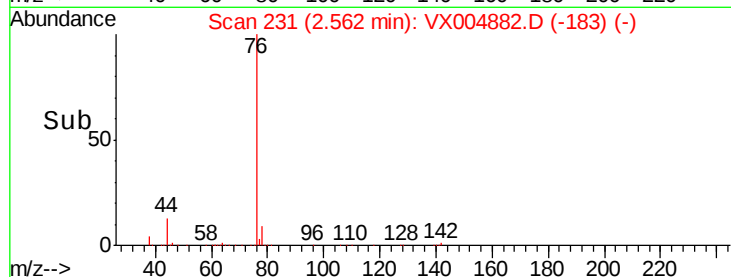
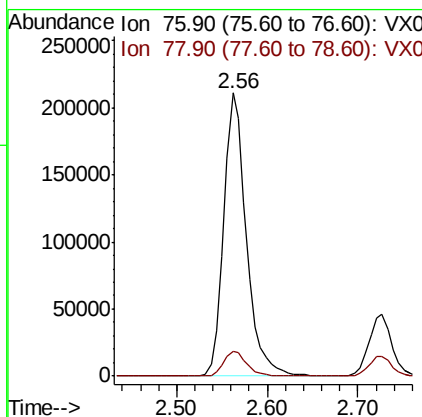
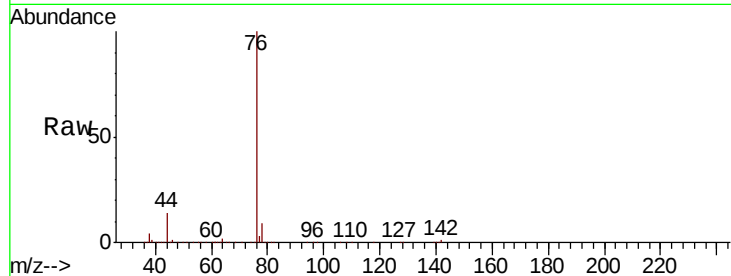




#17
Carbon Disulfide
Concen: 51.232 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

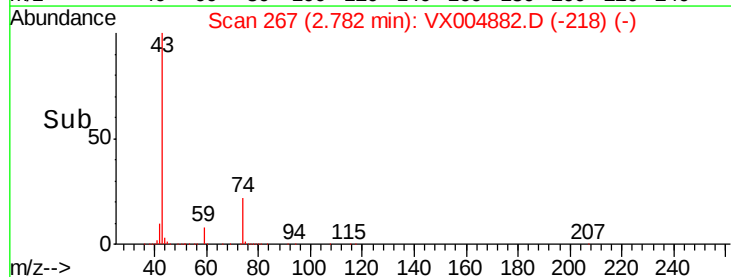
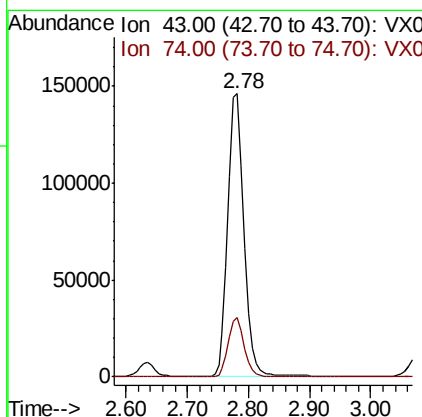
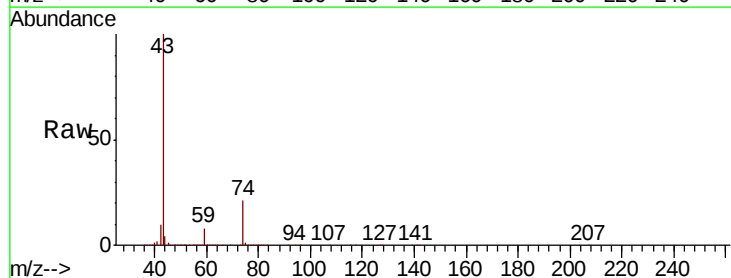
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

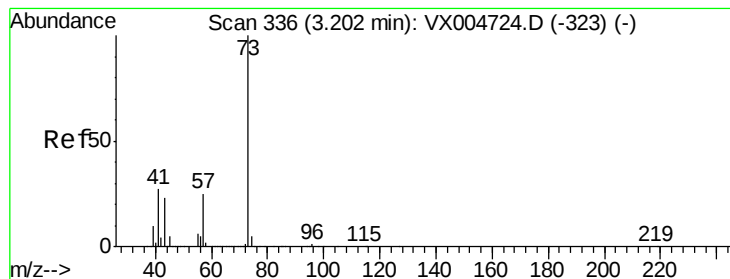
Tot Ion: 76 Resp: 365599
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6



#18
Methyl Acetate
Concen: 57.161 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion: 43 Resp: 264724
Ion Ratio Lower Upper
43 100
74 20.3 19.4 29.2



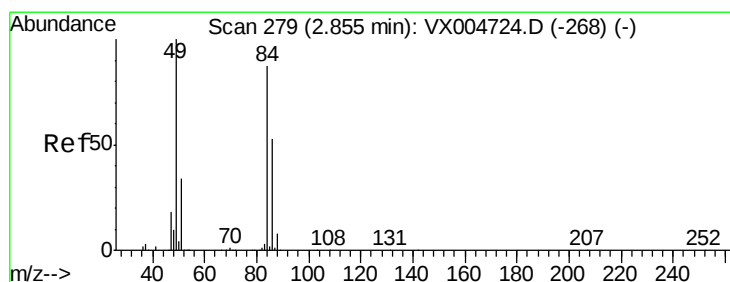
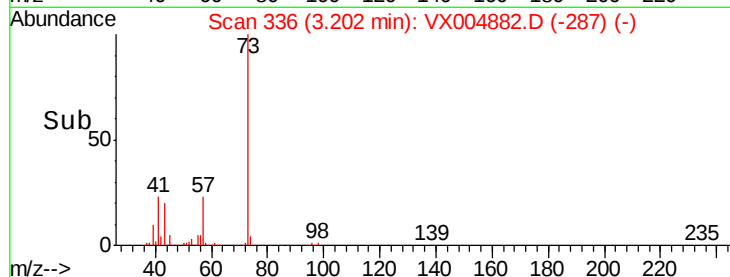
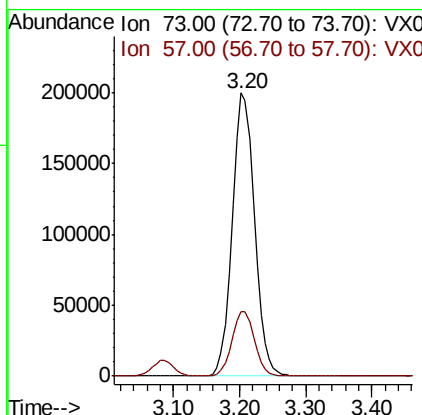
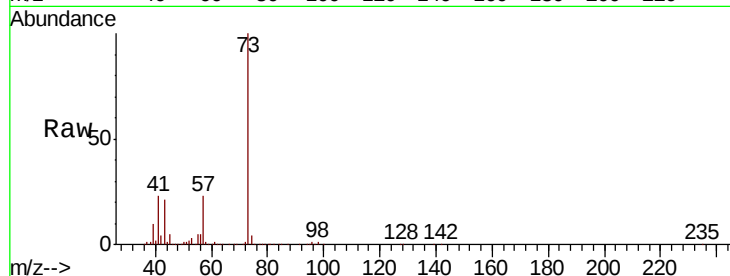


#19

Methyl tert-butyl Ether
 Concen: 56.915 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

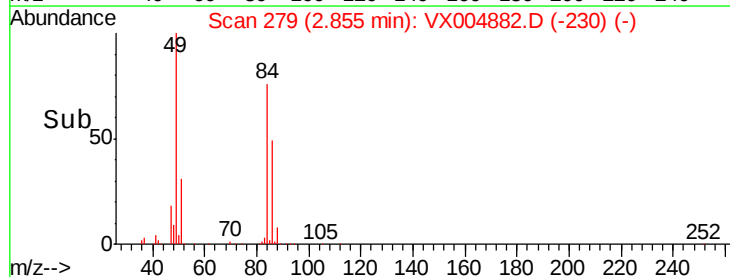
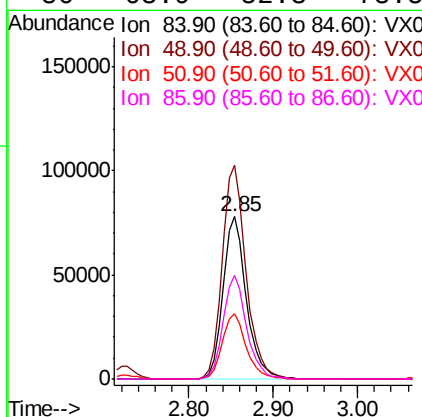
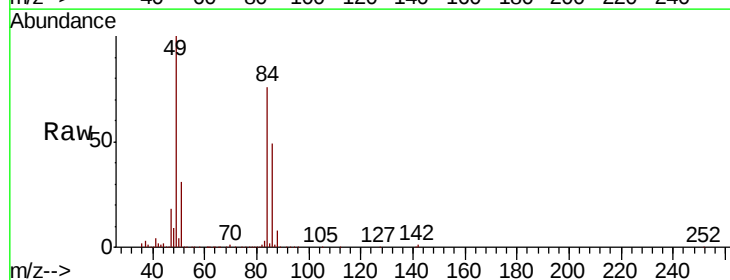
Tot Ion: 73 Resp: 466231
 Ion Ratio Lower Upper
 73 100
 57 22.7 17.1 25.7

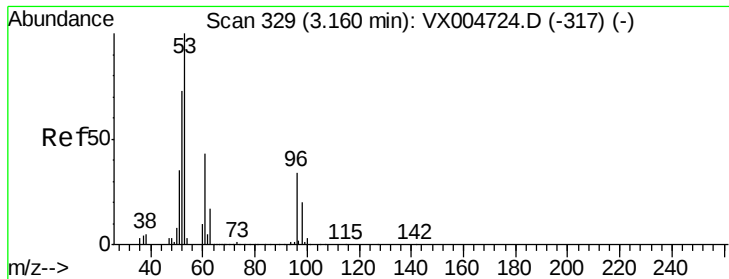


#20

Methylene Chloride
 Concen: 55.815 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion: 84 Resp: 148079
 Ion Ratio Lower Upper
 84 100
 49 131.5 101.2 151.8
 51 40.5 29.5 44.3
 86 63.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 52.387 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

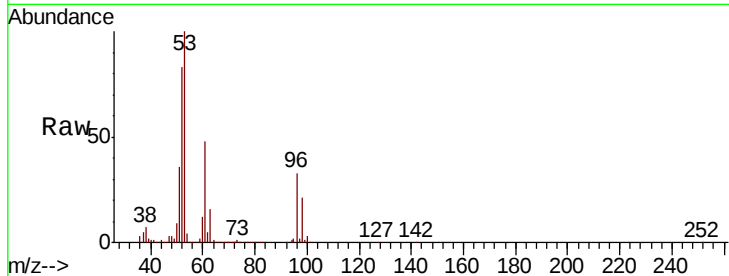
Tot Ion: 96 Resp: 136190

Ion Ratio Lower Upper

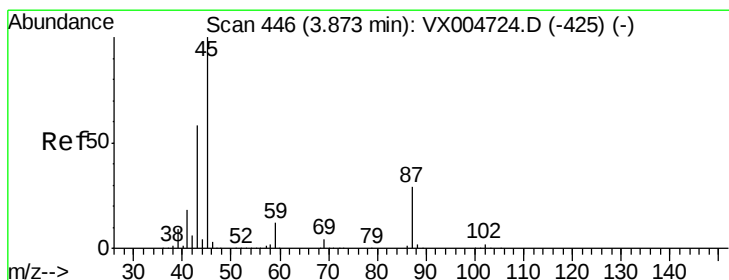
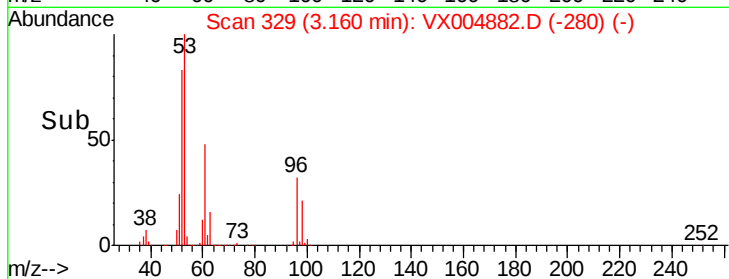
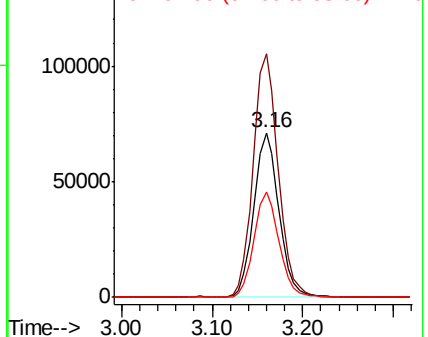
96 100

61 147.7 113.8 170.6

98 63.8 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 54.724 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Tgt Ion: 45 Resp: 477497

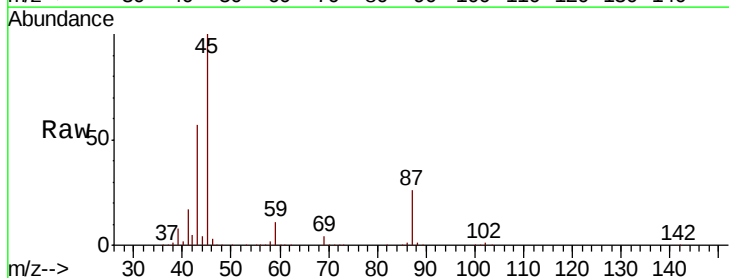
Ion Ratio Lower Upper

45 100

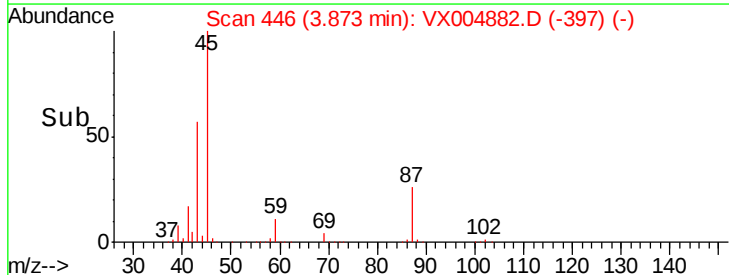
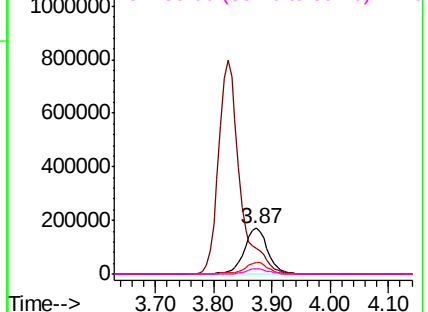
43 56.8 42.8 64.2

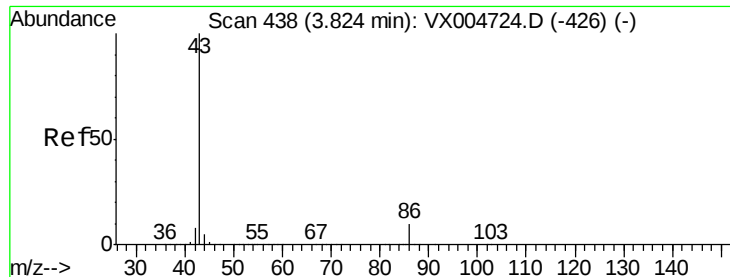
87 26.0 22.6 34.0

59 11.3 9.6 14.4



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: 252.530 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

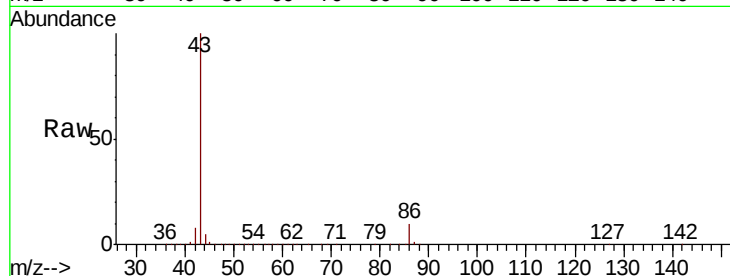
SA-TW502-0913MSD

Tot Ion: 43 Resp: 2016960

Ion Ratio Lower Upper

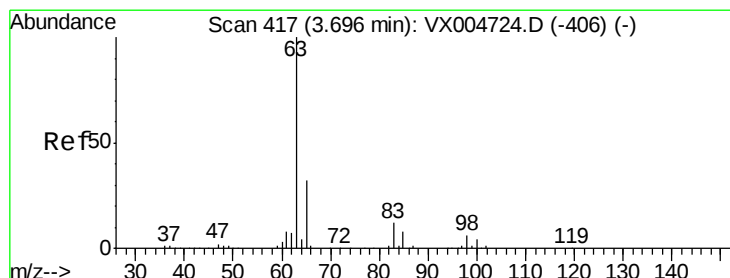
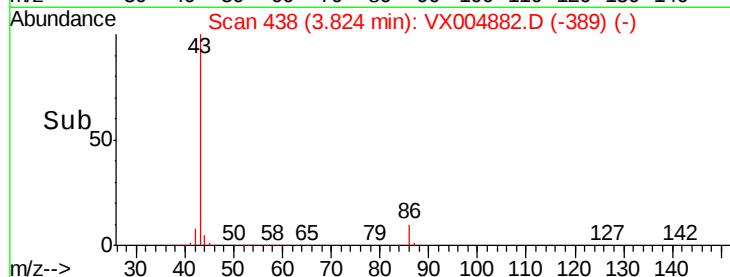
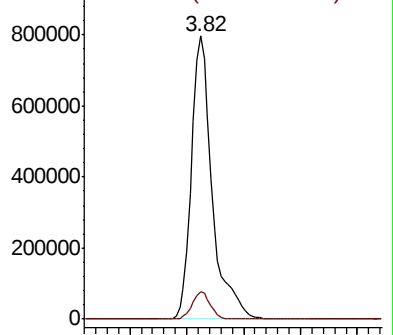
43 100

86 9.5 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.291 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

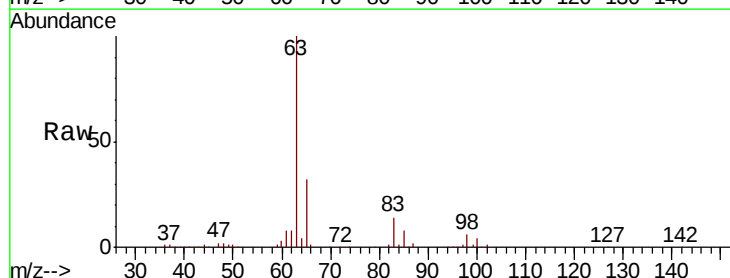
Tgt Ion: 63 Resp: 261761

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

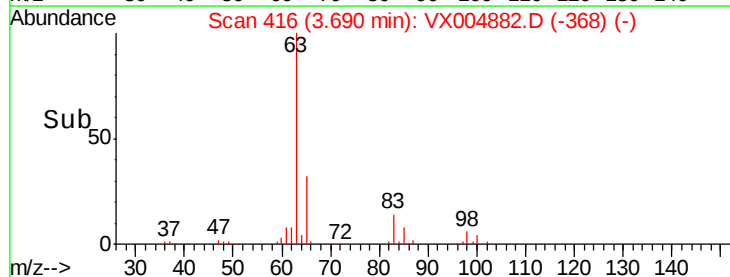
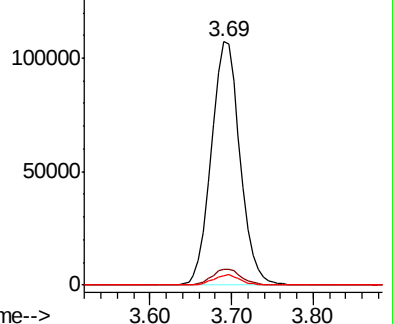
100 3.8 2.4 7.1

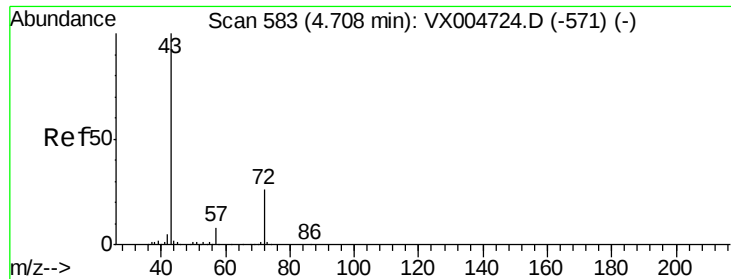


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 265.613 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

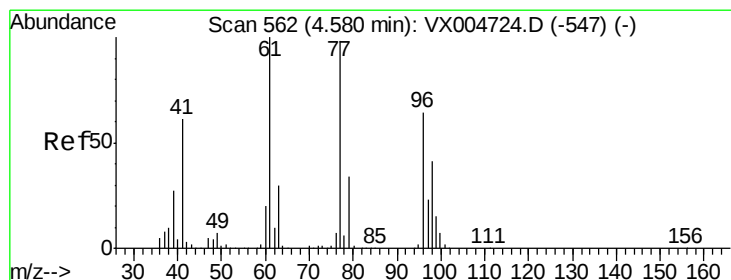
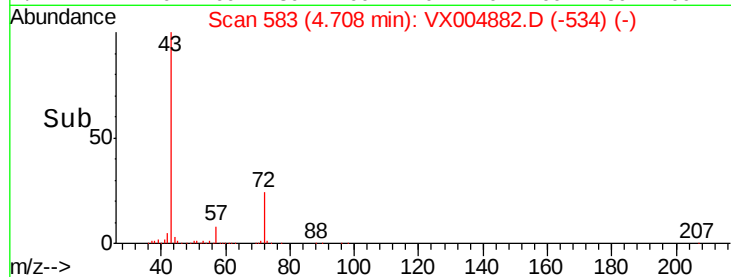
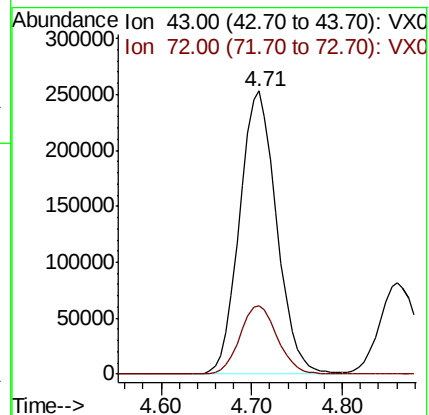
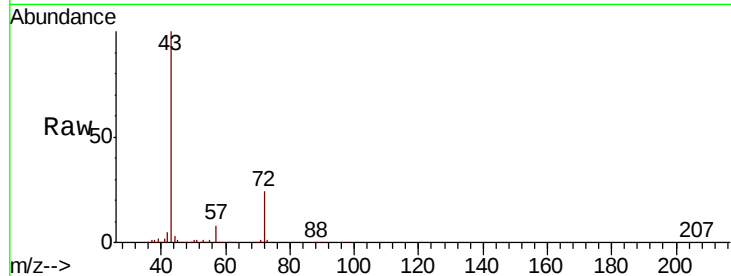
SA-TW502-0913MSD

Tot Ion: 43 Resp: 715661

Ion Ratio Lower Upper

43 100

72 23.9 22.0 33.0



#26

2,2-Dichloropropane

Concen: 47.048 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004882.D

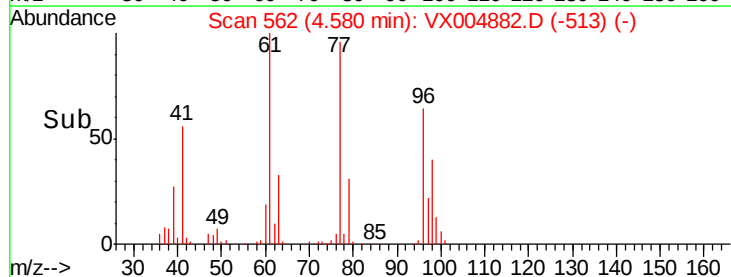
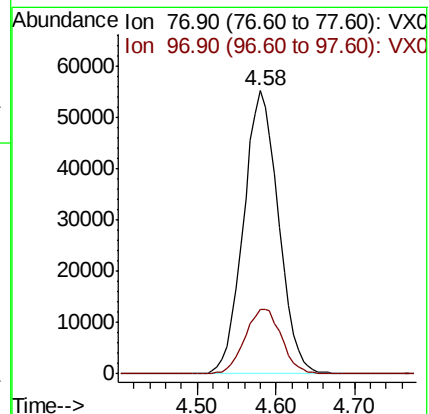
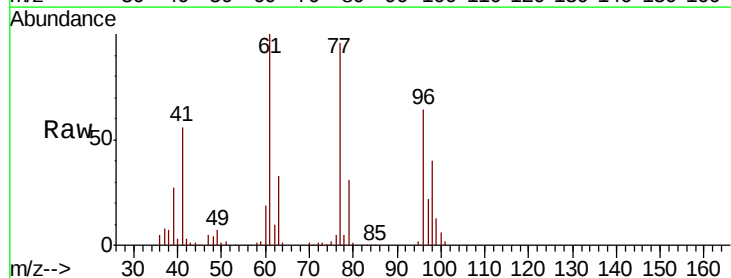
Acq: 01 Oct 2018 20:23

Tgt Ion: 77 Resp: 170525

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0



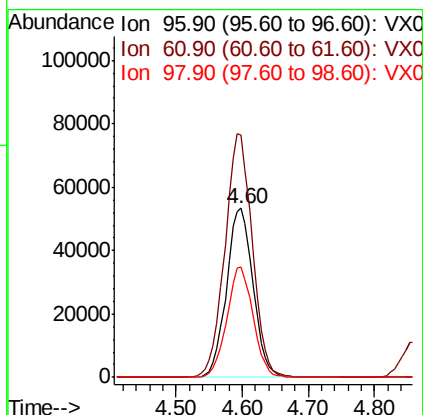
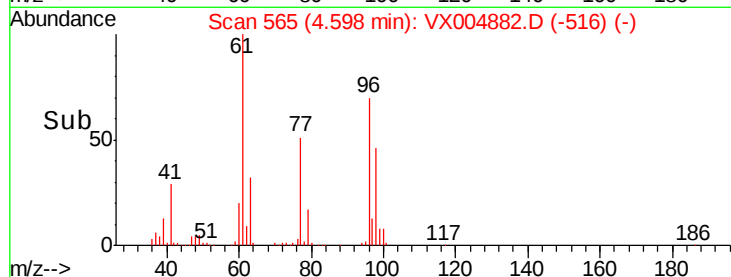
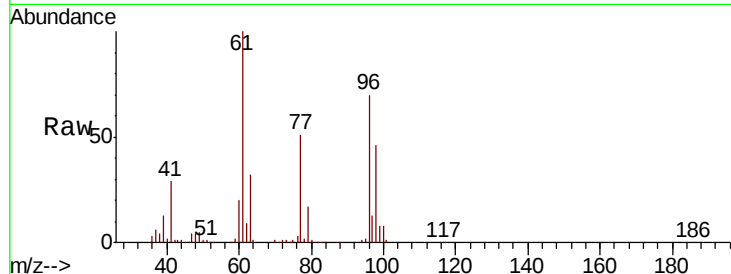


#27

cis-1,2-Dichloroethene
Concen: 51.086 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

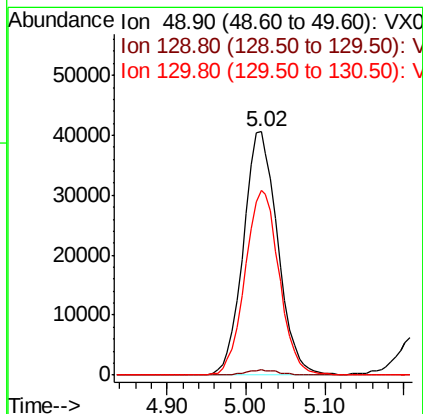
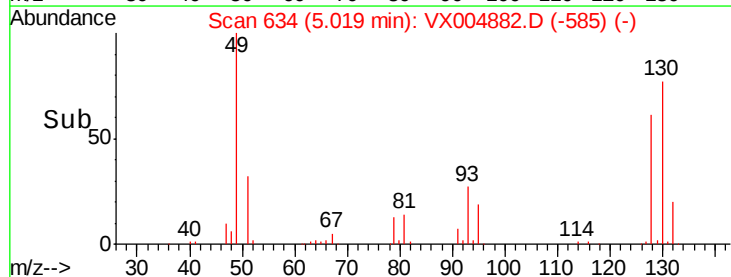
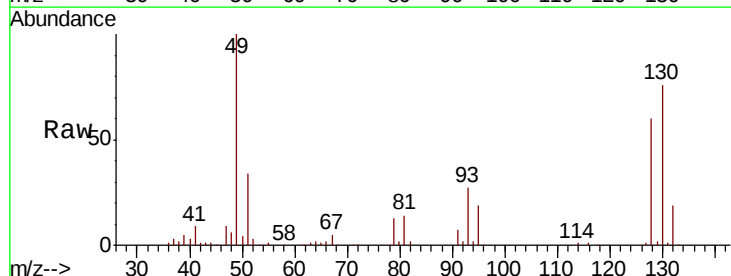
Tot Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	282.6
98	64.5	0.0	130.2

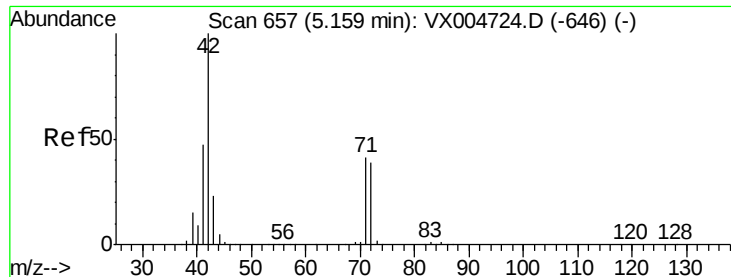


#28

Bromochloromethane
Concen: 50.066 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	75.3	67.5	101.3





#29

Tetrahydrofuran

Concen: 279.782 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

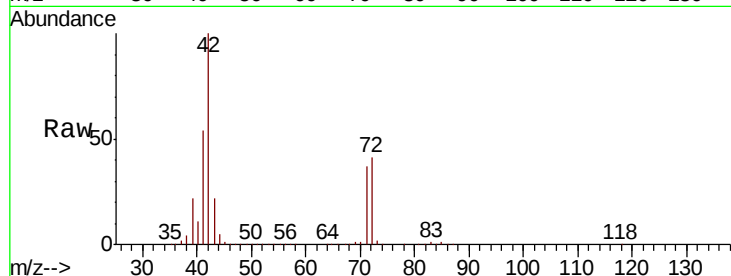
Tot Ion: 42 Resp: 468537

Ion Ratio Lower Upper

42 100

72 40.9 37.4 56.0

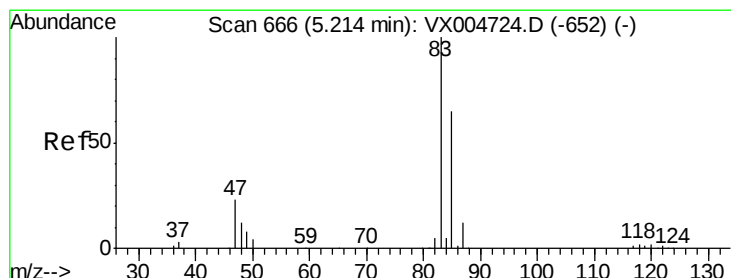
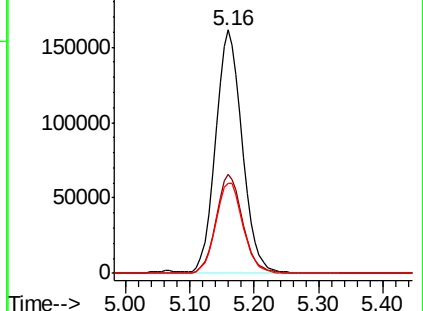
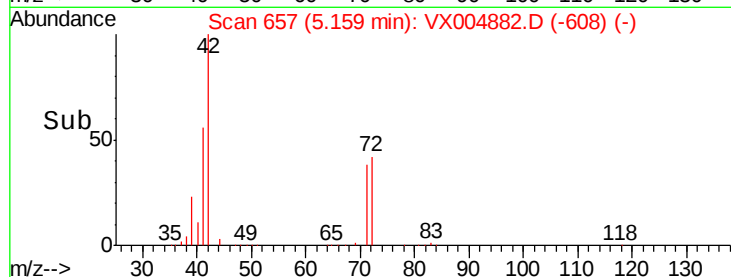
71 38.3 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 51.430 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX004882.D

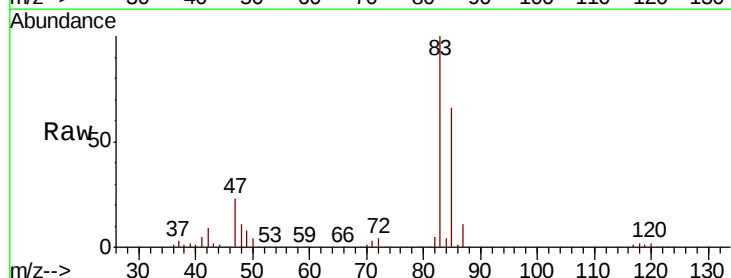
Acq: 01 Oct 2018 20:23

Tgt Ion: 83 Resp: 252993

Ion Ratio Lower Upper

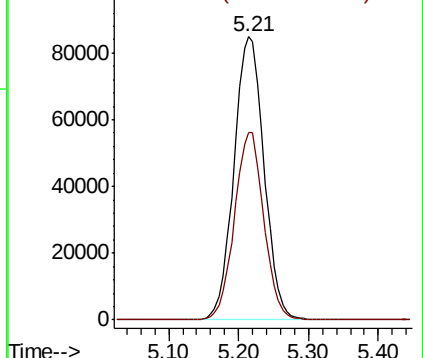
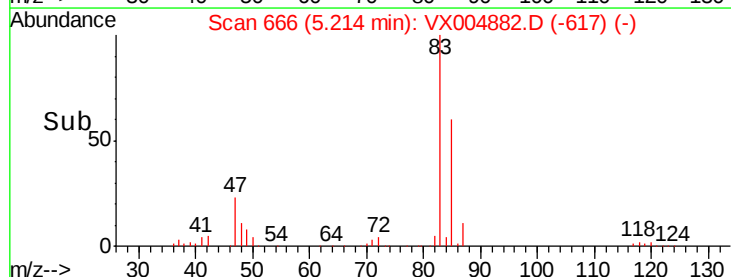
83 100

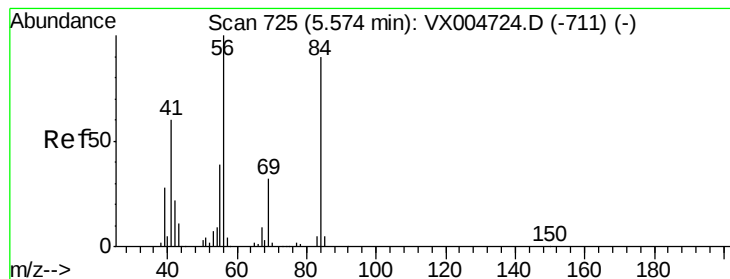
85 66.3 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 55.742 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

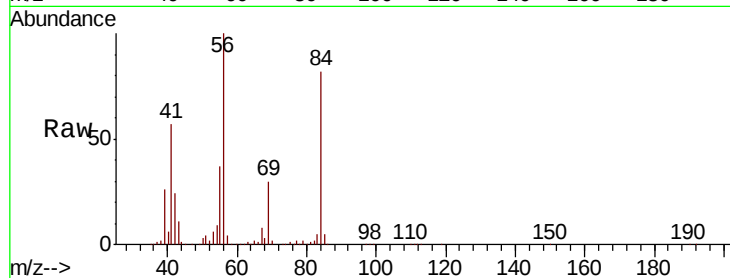
Tot Ion: 56 Resp: 222057

Ion Ratio Lower Upper

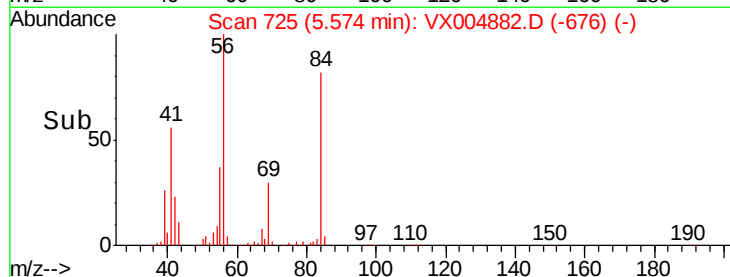
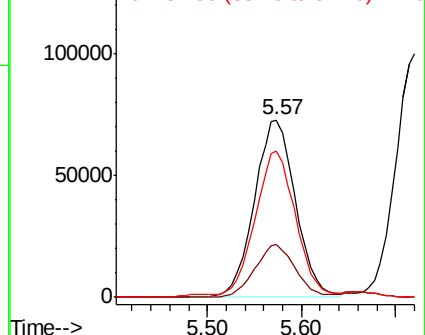
56 100

69 29.5 25.4 38.2

84 81.1 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 53.571 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

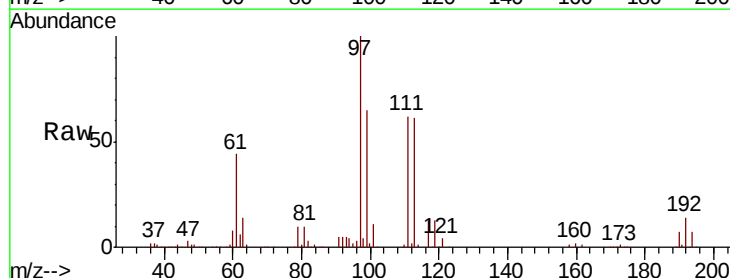
Tgt Ion: 97 Resp: 215214

Ion Ratio Lower Upper

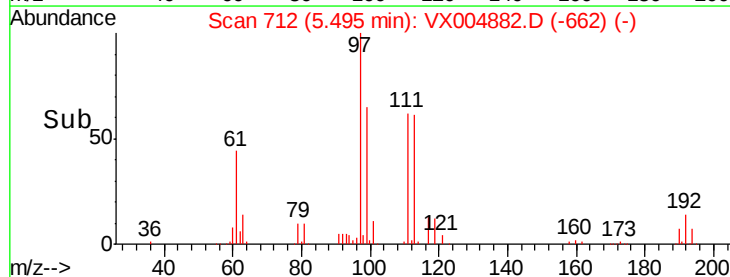
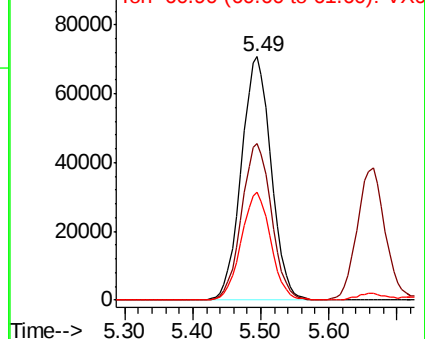
97 100

99 64.7 52.0 78.0

61 44.1 34.9 52.3



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





#33

1,2-Dichloroethane-d4

Concen: 51.928 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

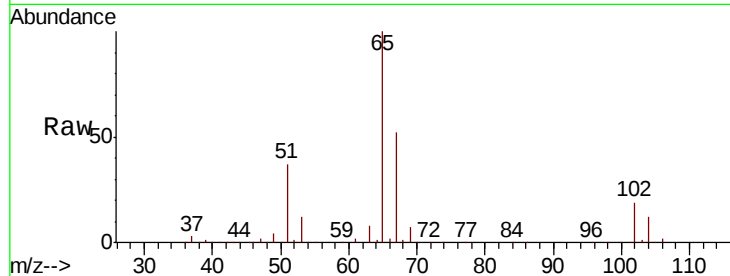
SA-TW502-0913MSD

Tot Ion: 65 Resp: 162584

Ion Ratio Lower Upper

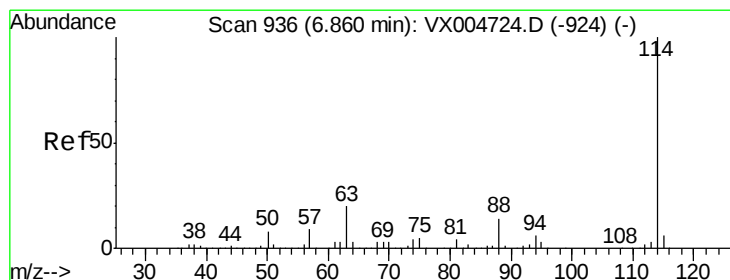
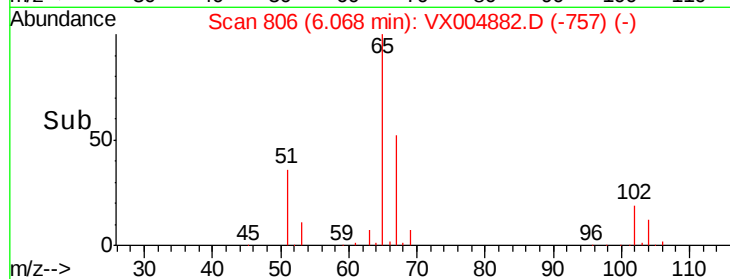
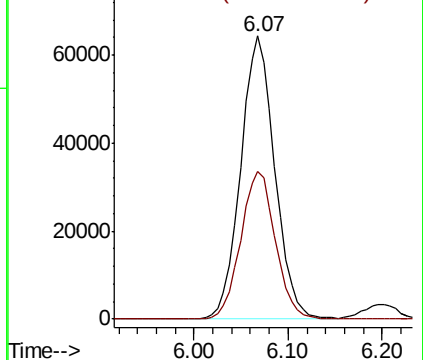
65 100

67 53.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

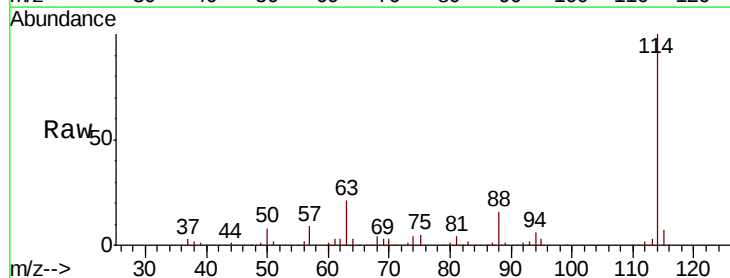
Tgt Ion: 114 Resp: 330101

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.0

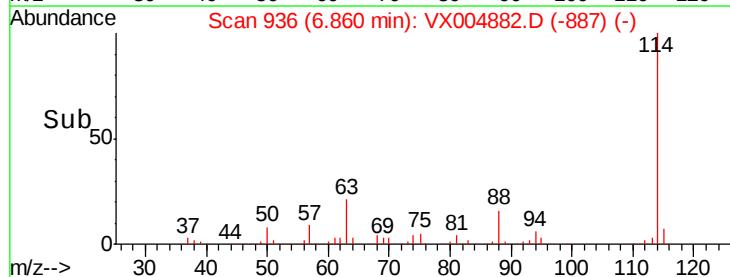
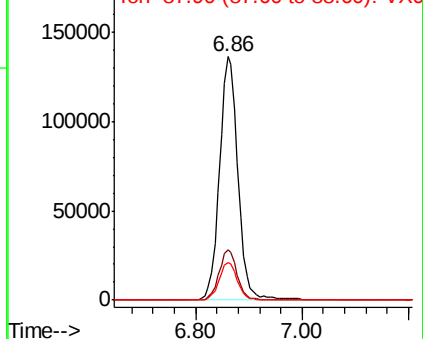
88 15.6 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.332 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

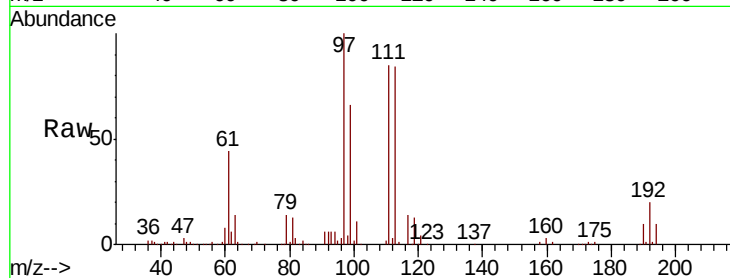
Tot Ion:113 Resp: 132418

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

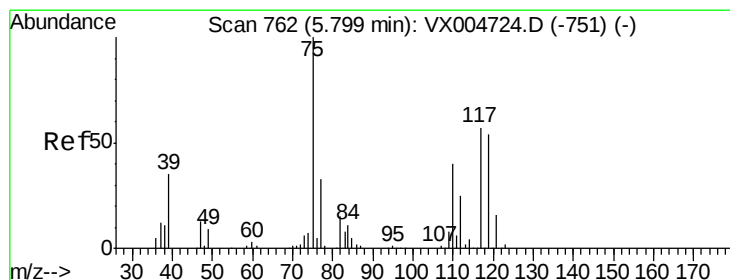
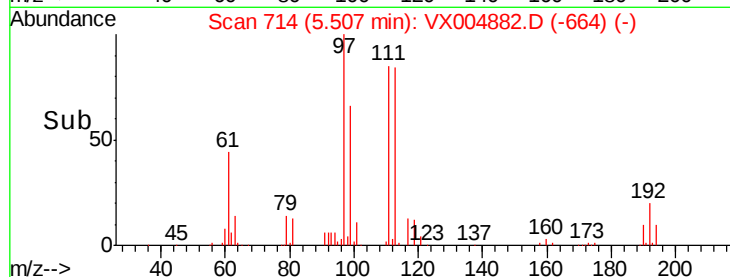
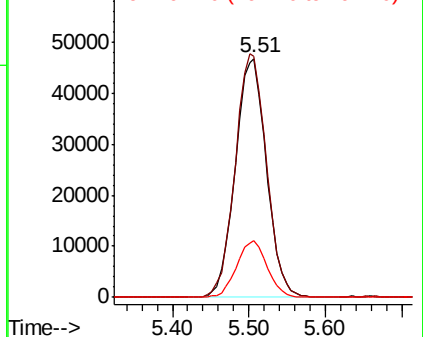
192 23.2 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.871 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

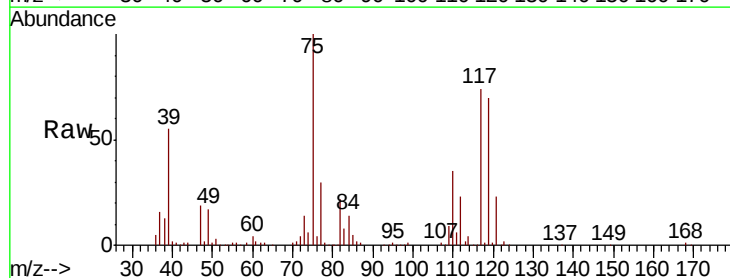
Tgt Ion: 75 Resp: 186542

Ion Ratio Lower Upper

75 100

110 35.6 18.0 54.0

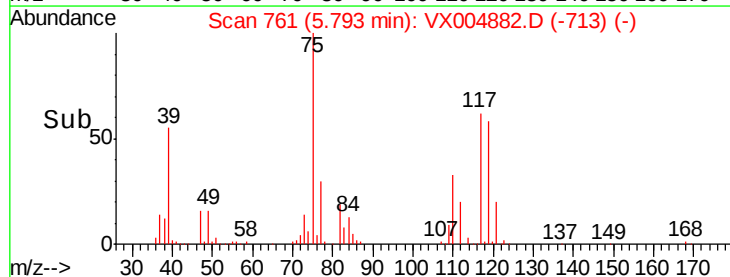
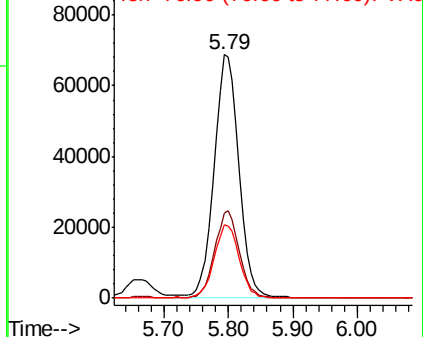
77 30.8 24.6 36.8

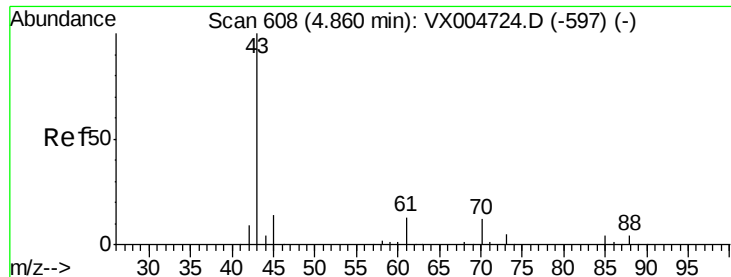


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 46.974 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

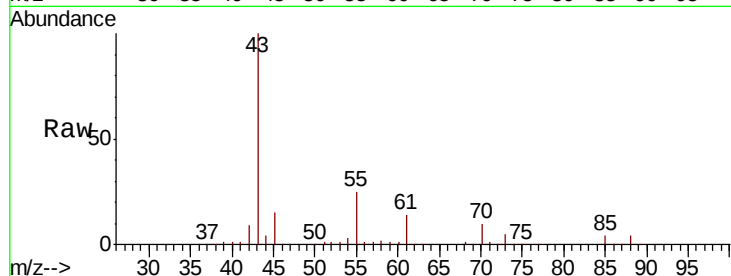
Tot Ion: 43 Resp: 238007

Ion Ratio Lower Upper

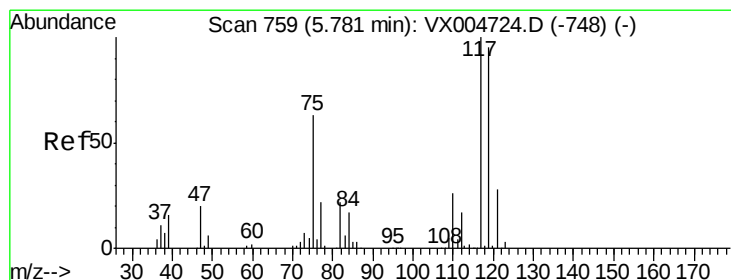
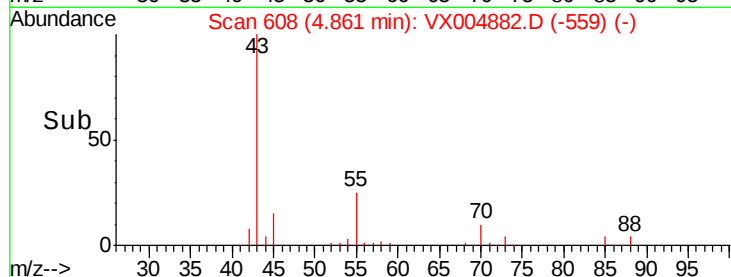
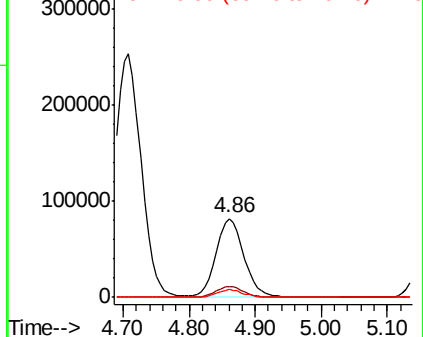
43 100

61 13.9 11.5 17.3

70 9.7 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 47.229 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

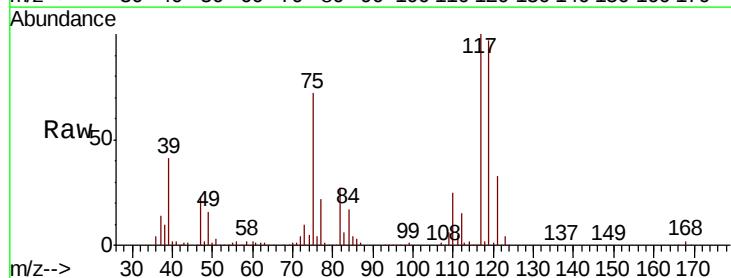
Tgt Ion: 117 Resp: 189499

Ion Ratio Lower Upper

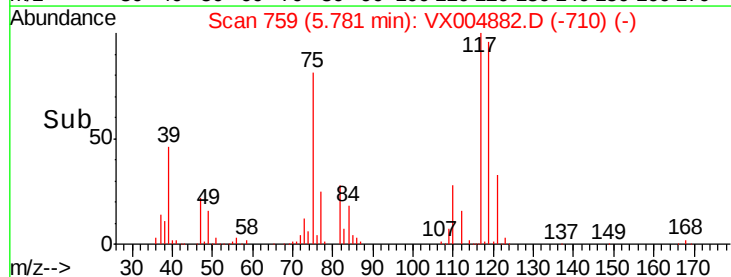
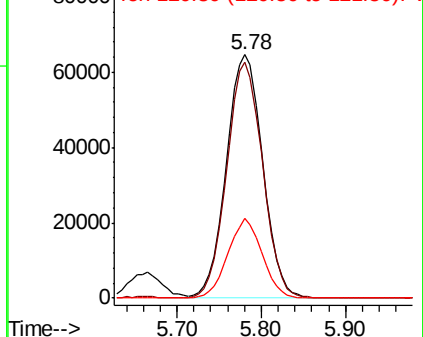
117 100

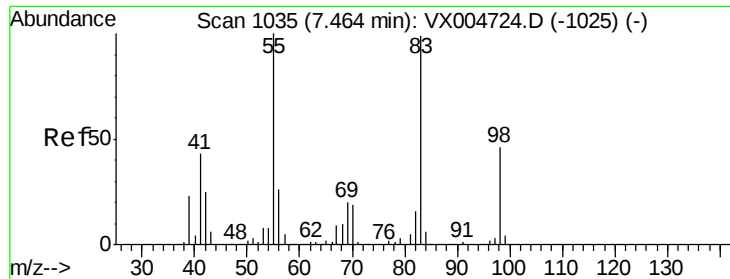
119 96.5 78.8 118.2

121 32.7 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

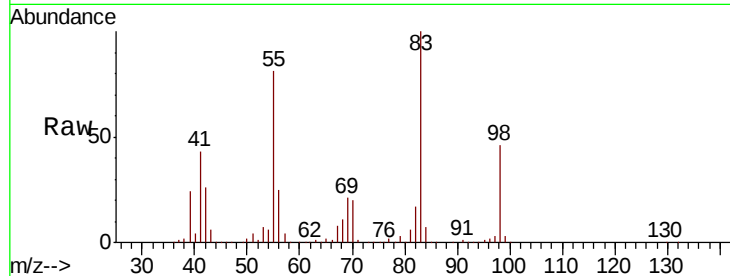




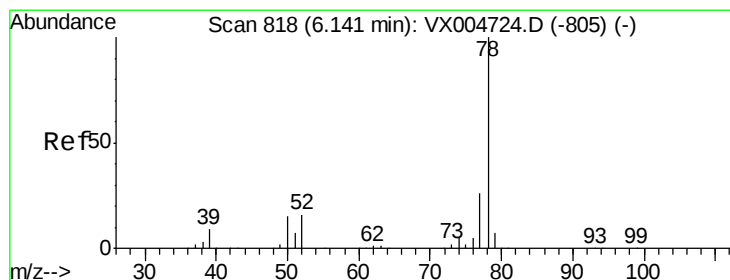
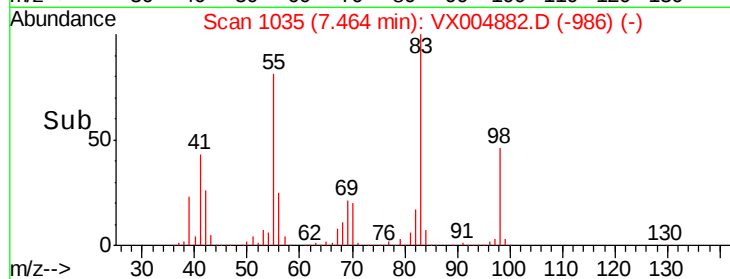
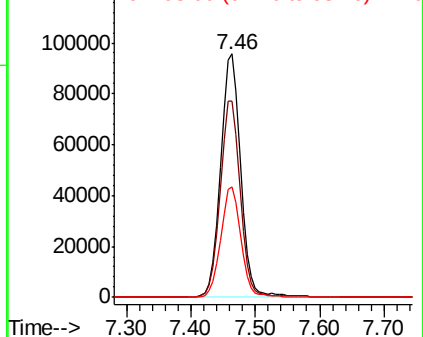
#39
Methvlcvclohexane
Concen: 54.474 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion: 83 Resp: 212318
Ion Ratio Lower Upper
83 100
55 80.7 61.0 91.4
98 45.5 39.6 59.4

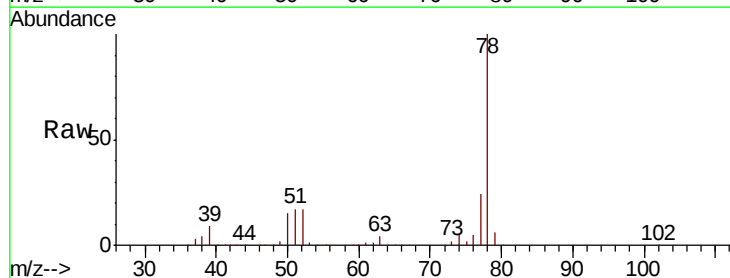


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

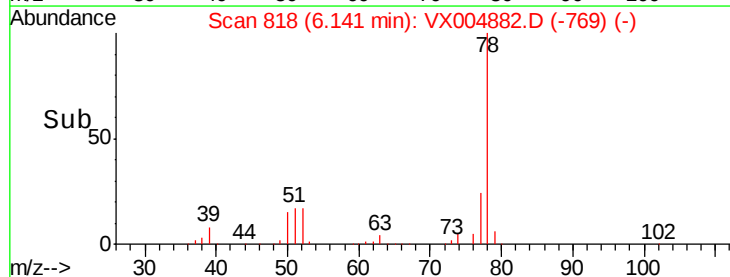
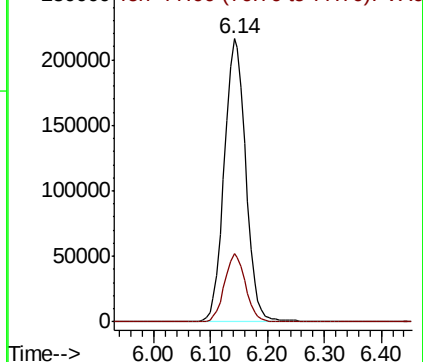


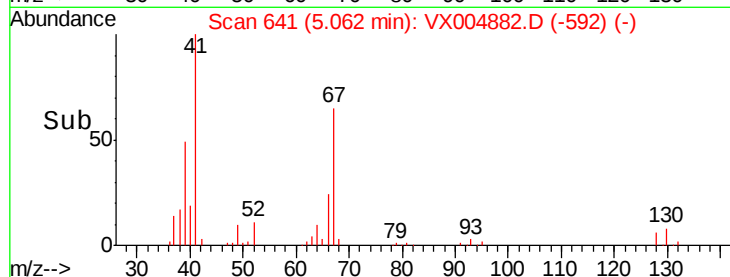
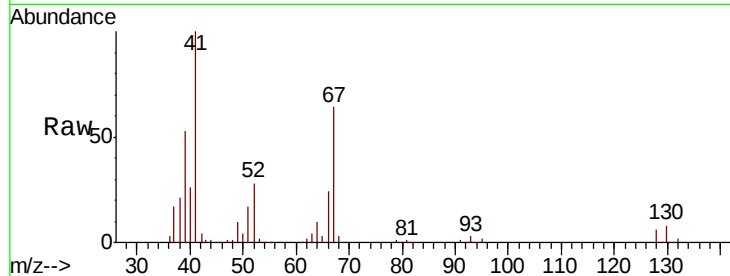
#40
Benzene
Concen: 47.618 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion: 78 Resp: 569034
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4



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

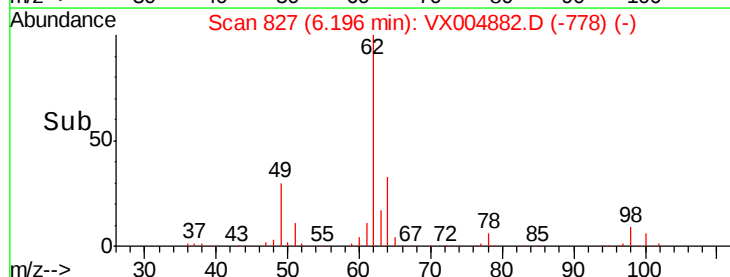
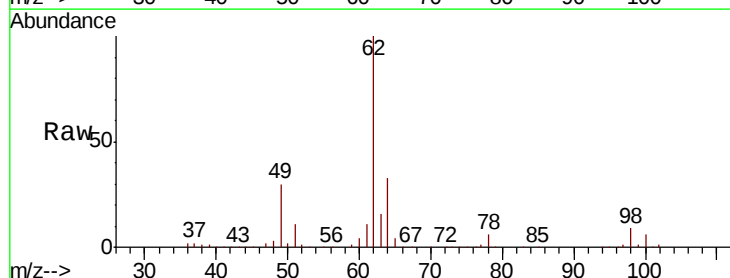
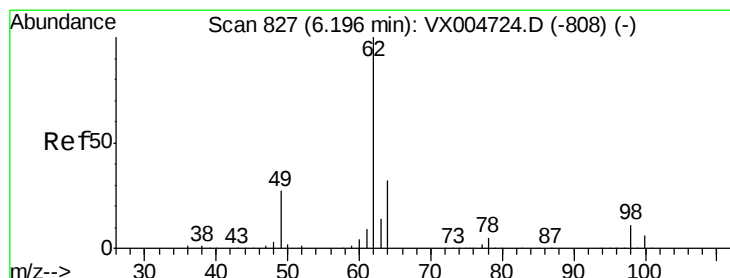
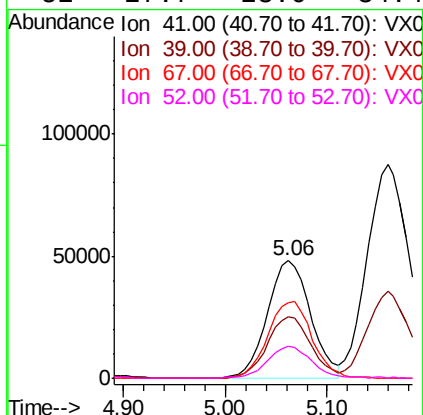




#41
Methacrylonitrile
Concen: 50.410 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

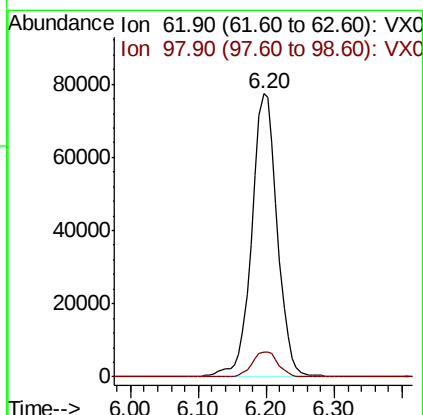
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion: 41 Resp: 141648
Ion Ratio Lower Upper
41 100
39 52.3 42.4 63.6
67 67.4 59.2 88.8
52 27.7 23.0 34.4



#42
1,2-Dichloroethane
Concen: 48.128 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion: 62 Resp: 203312
Ion Ratio Lower Upper
62 100
98 9.2 0.0 20.6





#43

Isopropyl Acetate

Concen: 49.342 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

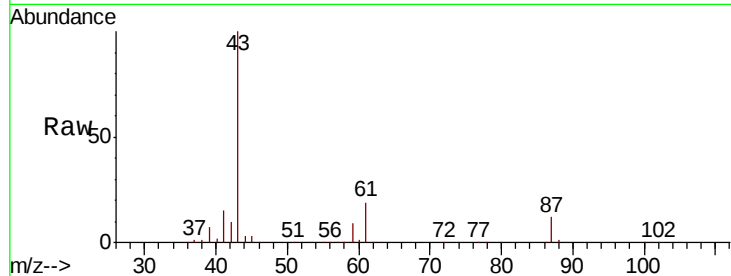
Tot Ion: 43 Resp: 360844

Ion Ratio Lower Upper

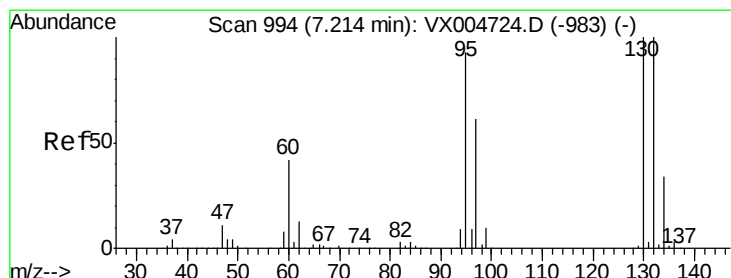
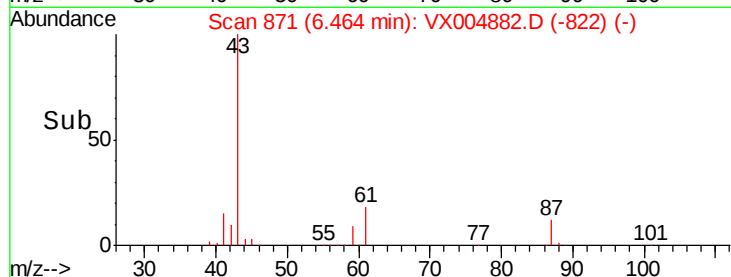
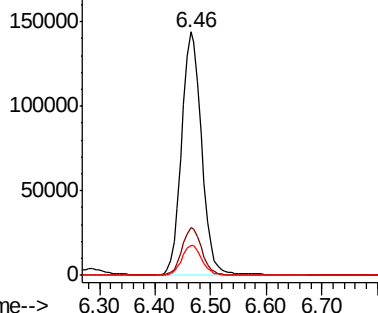
43 100

61 19.5 17.0 25.4

87 12.4 11.4 17.2



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: 50.898 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX004882.D

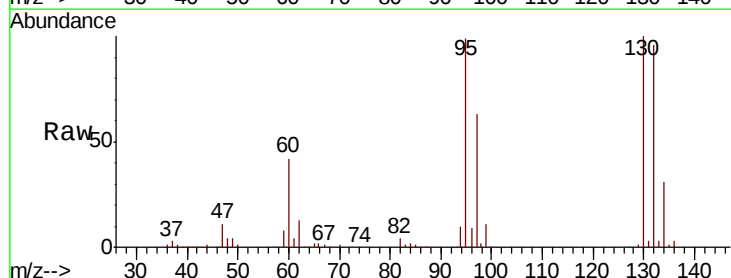
Acq: 01 Oct 2018 20:23

Tgt Ion:130 Resp: 149520

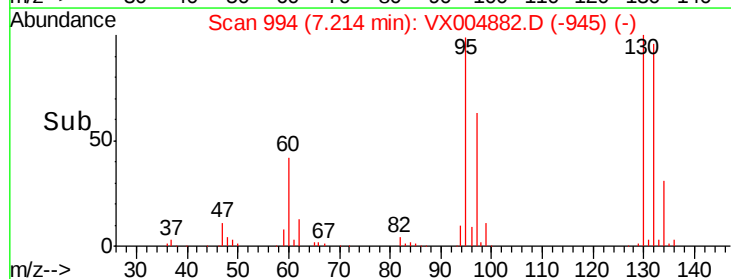
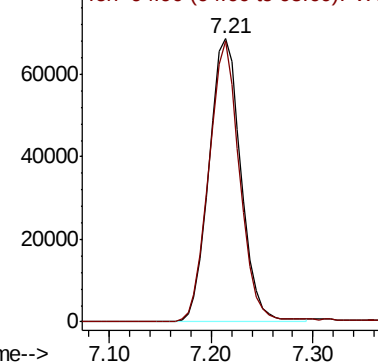
Ion Ratio Lower Upper

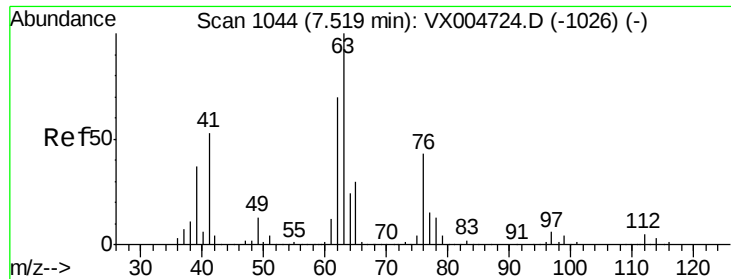
130 100

95 99.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V
80000 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 52.633 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

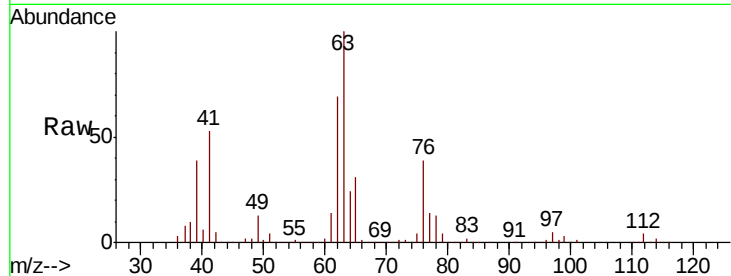
SA-TW502-0913MSD

Tot Ion: 63 Resp: 154240

Ion Ratio Lower Upper

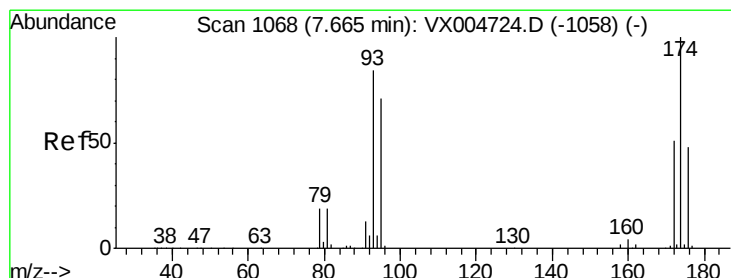
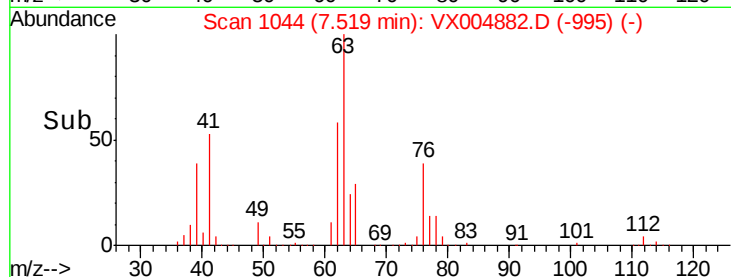
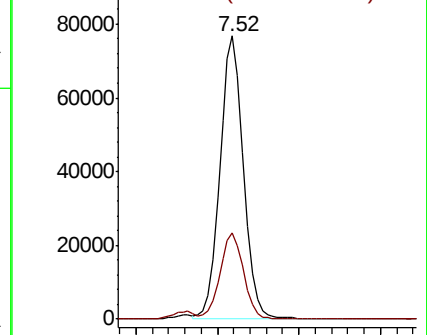
63 100

65 30.6 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 53.822 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

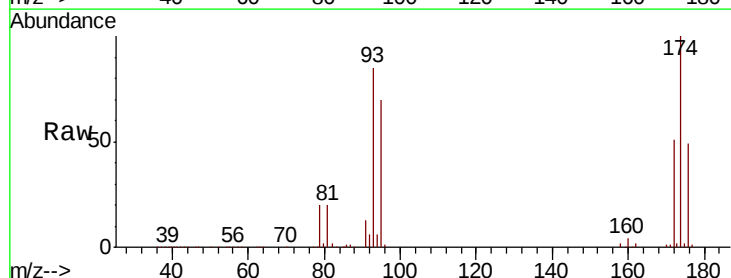
Tgt Ion: 93 Resp: 99125

Ion Ratio Lower Upper

93 100

95 82.7 65.5 98.3

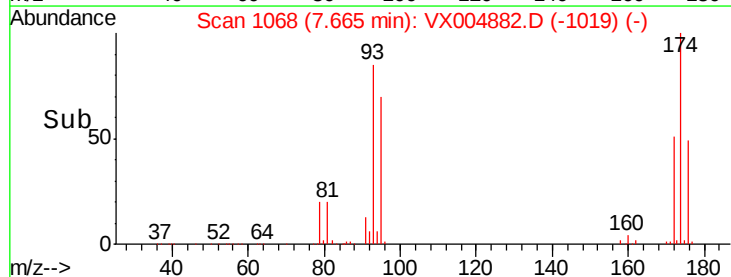
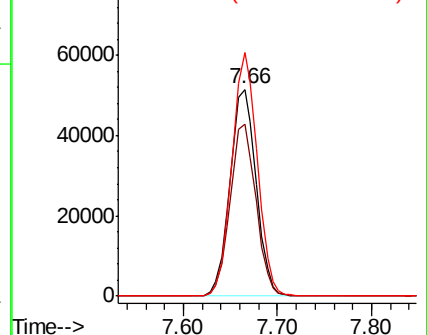
174 114.8 94.2 141.4

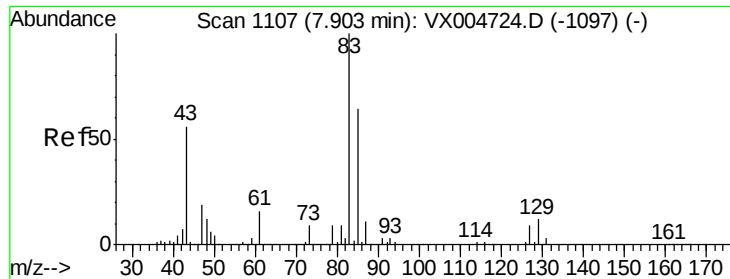


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.371 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

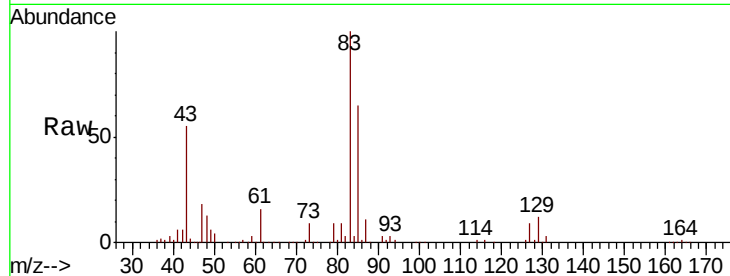
Tot Ion: 83 Resp: 190929

Ion Ratio Lower Upper

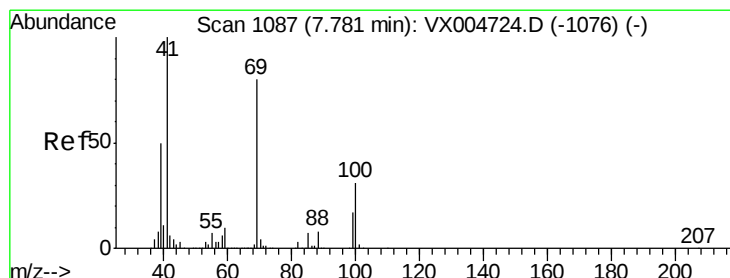
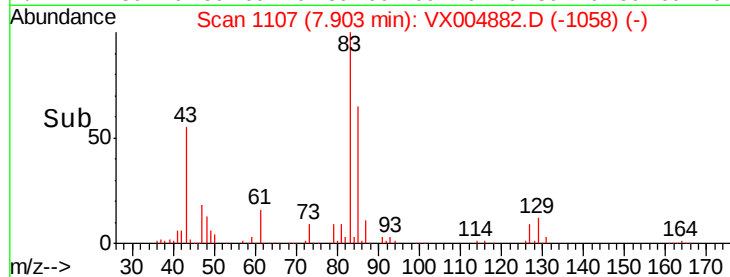
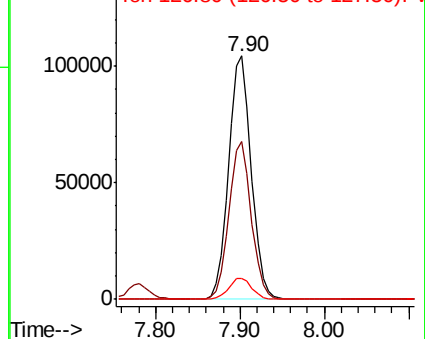
83 100

85 64.7 50.9 76.3

127 8.8 7.3 10.9



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: 59.487 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

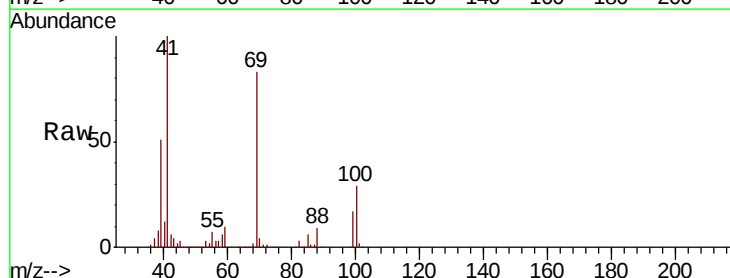
Tgt Ion: 41 Resp: 197454

Ion Ratio Lower Upper

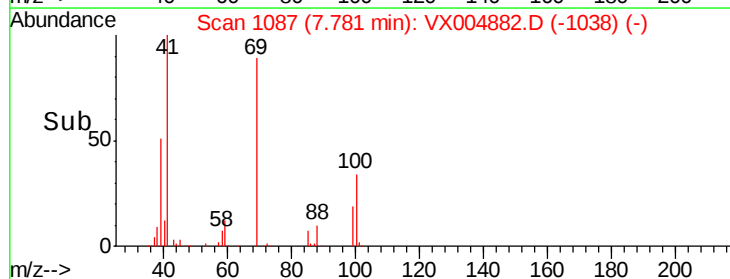
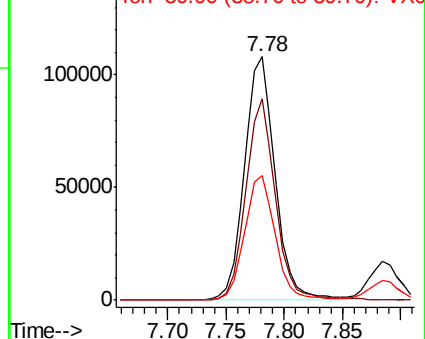
41 100

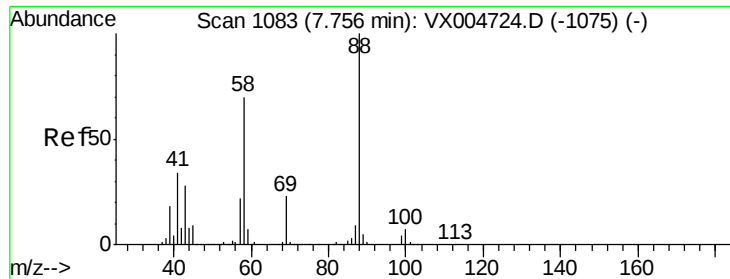
69 80.3 70.2 105.4

39 51.4 42.7 64.1



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

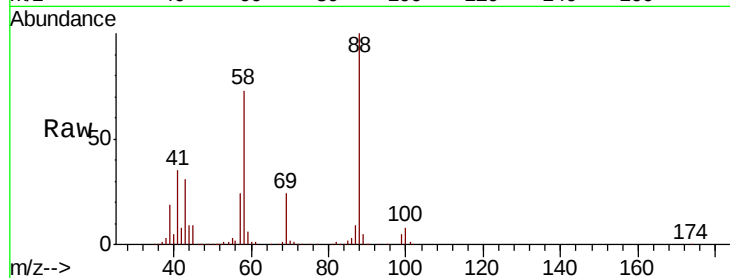




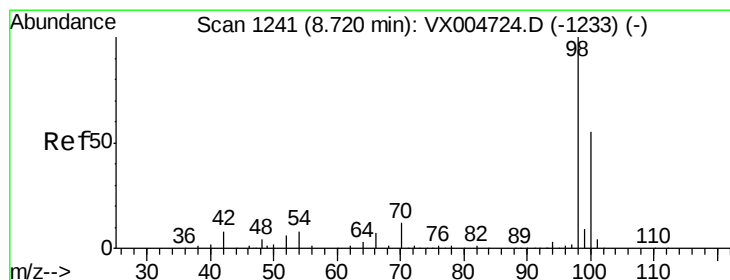
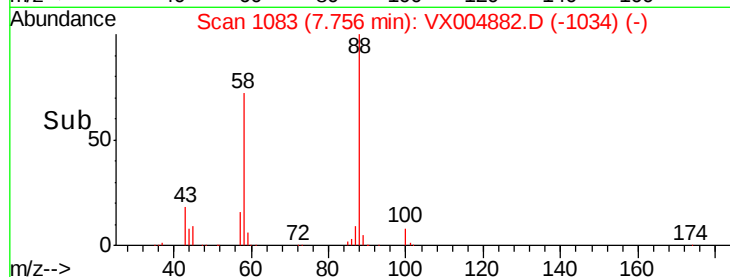
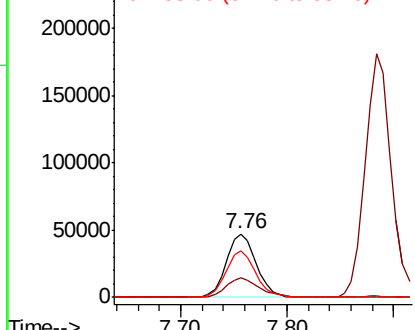
#49
1,4-Dioxane
Concen: 1122.463 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion: 88 Resp: 92563
Ion Ratio Lower Upper
88 100
43 33.4 24.7 37.1
58 73.4 55.3 82.9

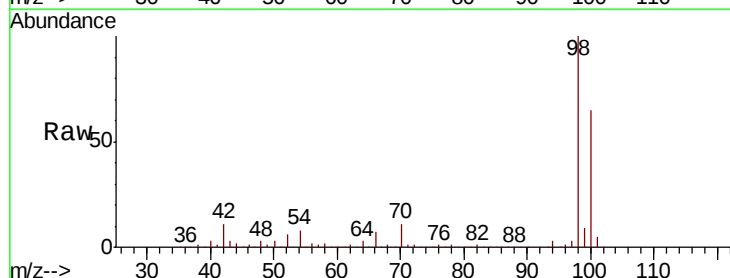


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

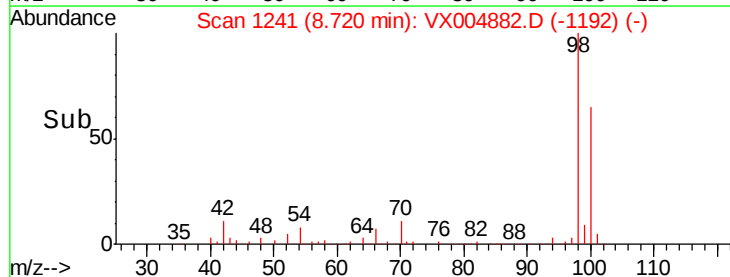
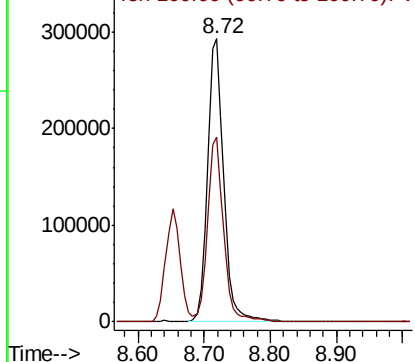


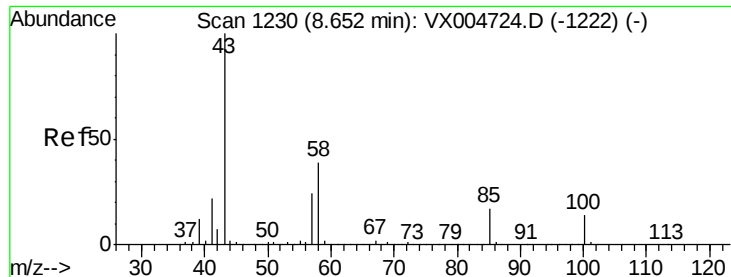
#50
Toluene-d8
Concen: 53.645 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion: 98 Resp: 498936
Ion Ratio Lower Upper
98 100
100 64.8 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 291.909 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

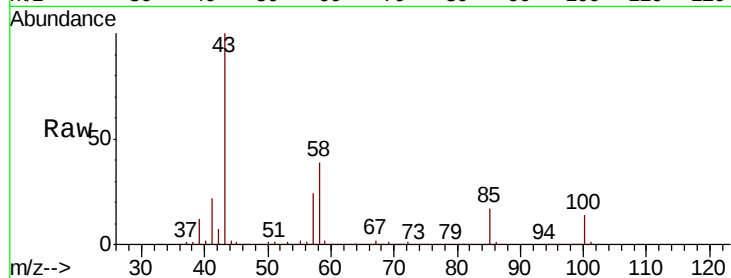
SA-TW502-0913MSD

Tot Ion: 43 Resp: 1344139

Ion Ratio Lower Upper

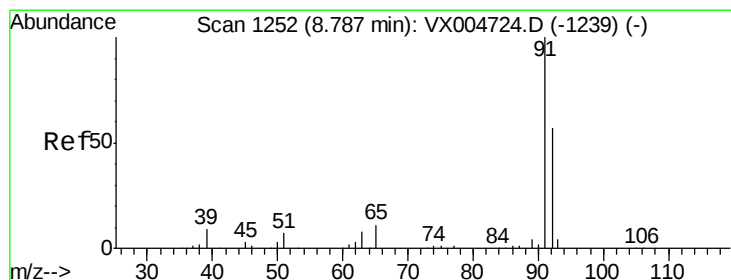
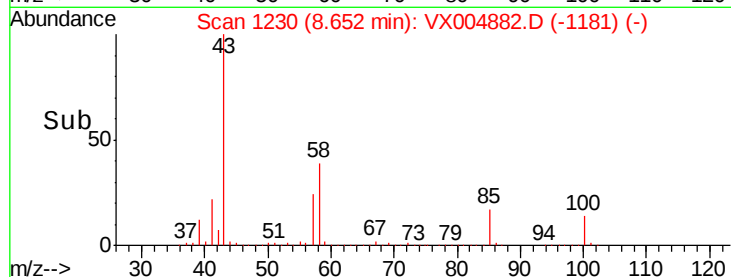
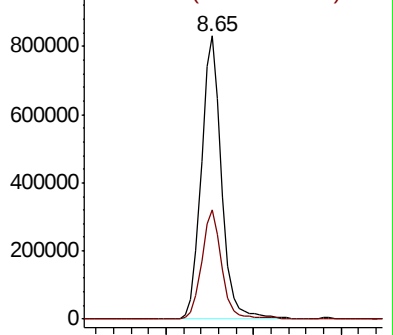
43 100

58 38.5 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.989 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004882.D

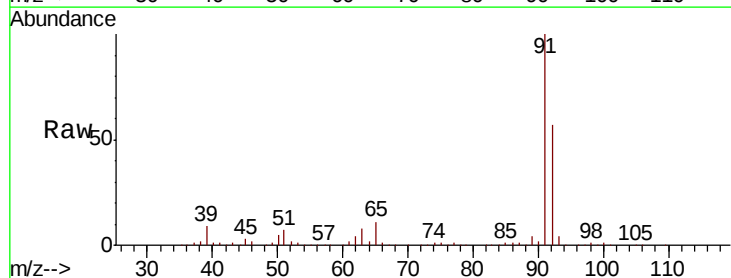
Acq: 01 Oct 2018 20:23

Tgt Ion: 92 Resp: 354509

Ion Ratio Lower Upper

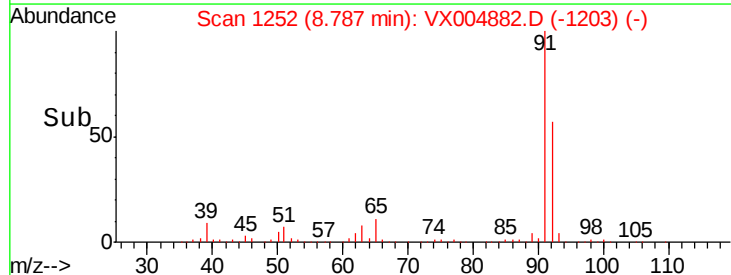
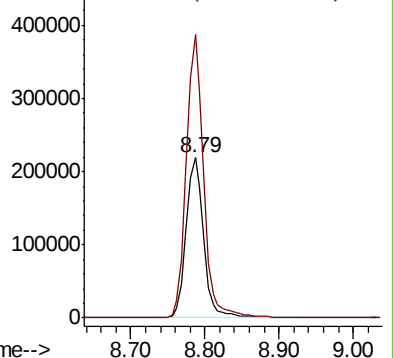
92 100

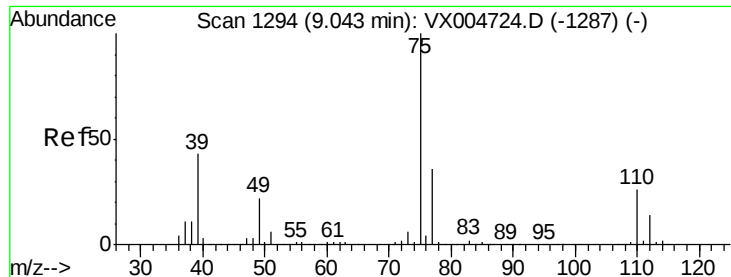
91 174.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 54.124 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

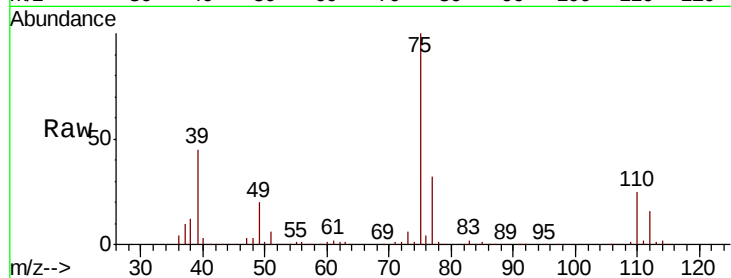
SA-TW502-0913MSD

Tot Ion: 75 Resp: 210899

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

150000

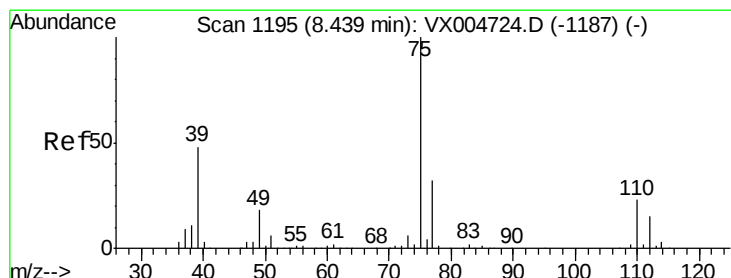
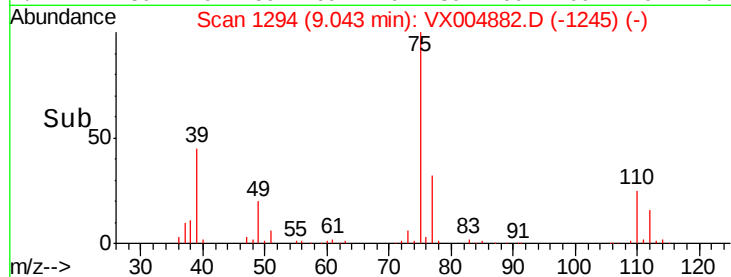
100000

50000

0

Time-->

9.00 9.10 9.20



#54

cis-1,3-Dichloropropene

Concen: 54.598 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

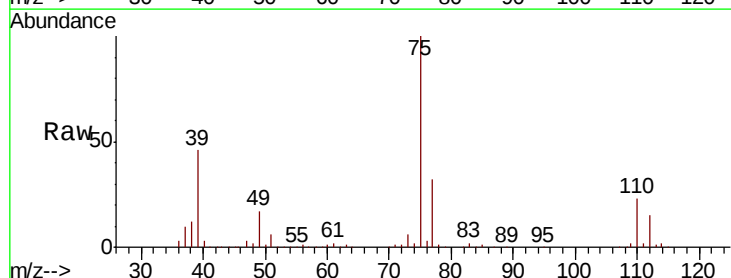
Tgt Ion: 75 Resp: 222834

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2

39 45.9 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44

150000

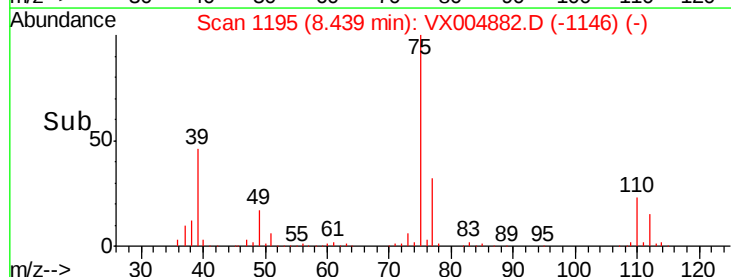
100000

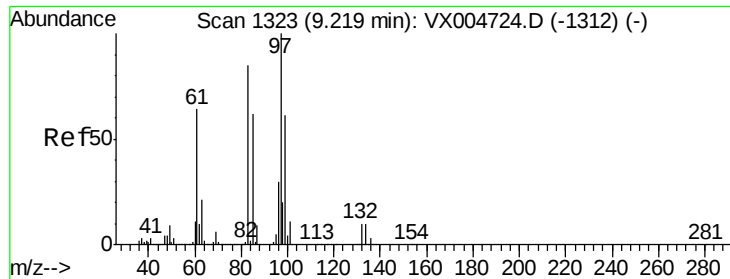
50000

0

Time-->

8.40 8.50 8.60

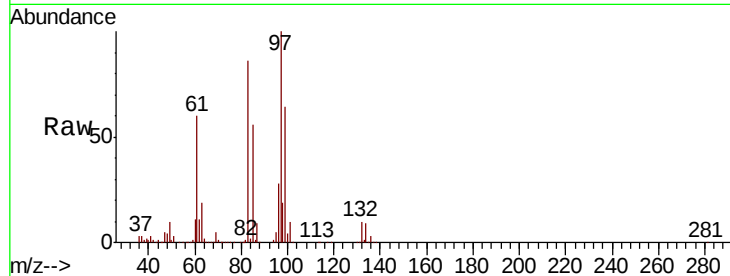




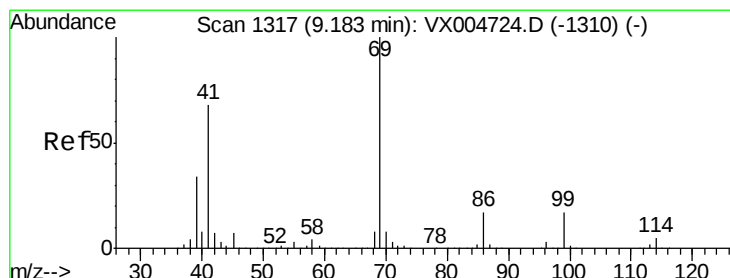
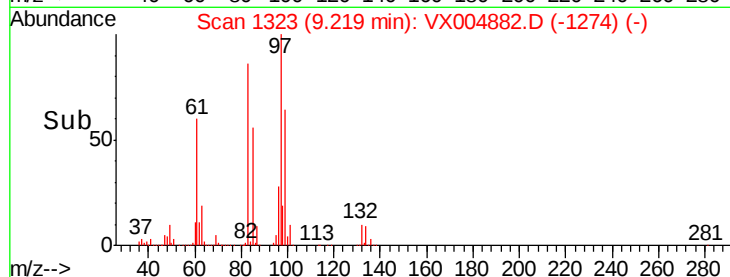
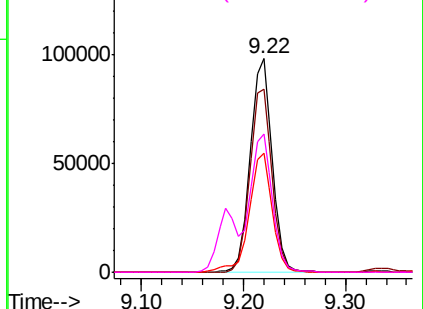
#55
 1,1,2-Trichloroethane
 Concen: 51.363 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

Tot Ion:	97	Resp:	147734
Ion	Ratio	Lower	Upper
97	100		
83	85.8	66.4	99.6
85	56.0	43.3	64.9
99	64.5	49.0	73.4

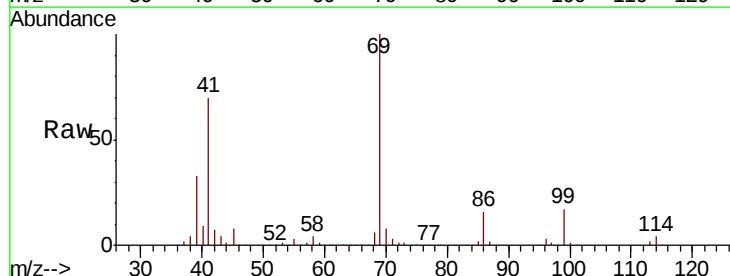


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

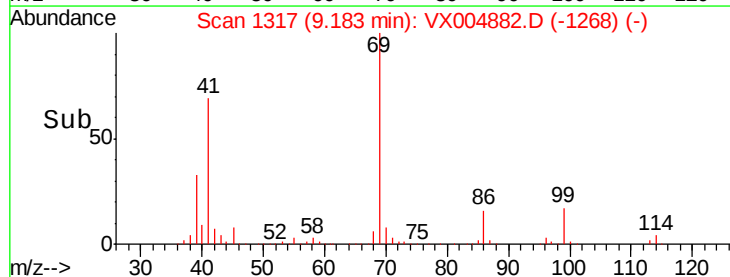
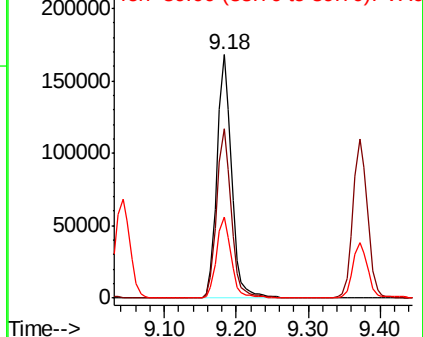


#56
 Ethyl methacrylate
 Concen: 50.353 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion:	69	Resp:	235115
Ion	Ratio	Lower	Upper
69	100		
41	69.9	51.0	76.4
39	33.7	26.1	39.1



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.715 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

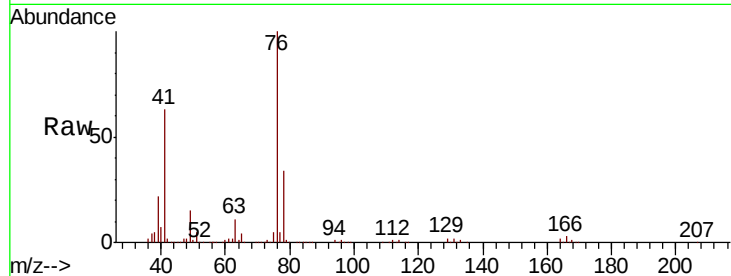
SA-TW502-0913MSD

Tot Ion: 76 Resp: 247561

Ion Ratio Lower Upper

76 100

78 32.7 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

150000

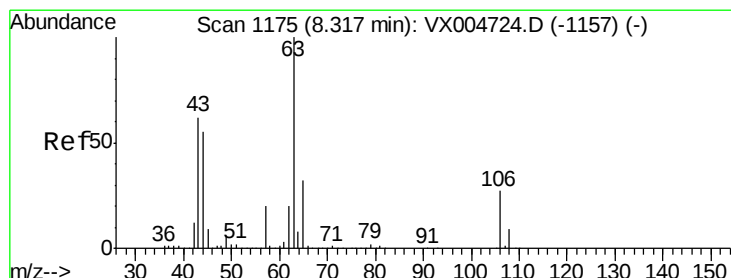
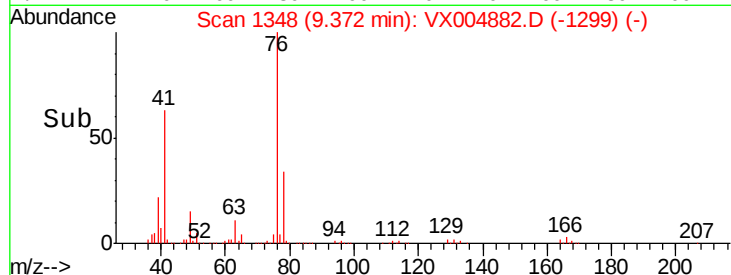
100000

50000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 15.128 ug/l

RT: 8.26 min Scan# 1166

Delta R.T. -0.05 min

Lab File: VX004882.D

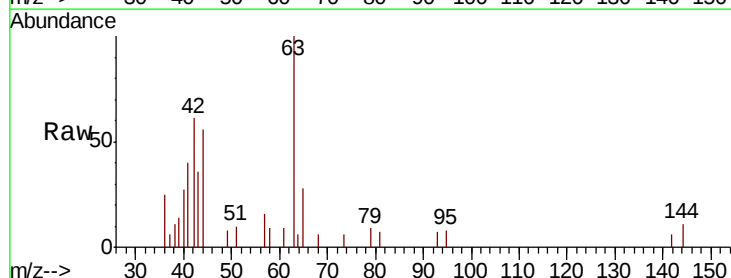
Acq: 01 Oct 2018 20:23

Tgt Ion: 63 Resp: 2329

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

1000

800

600

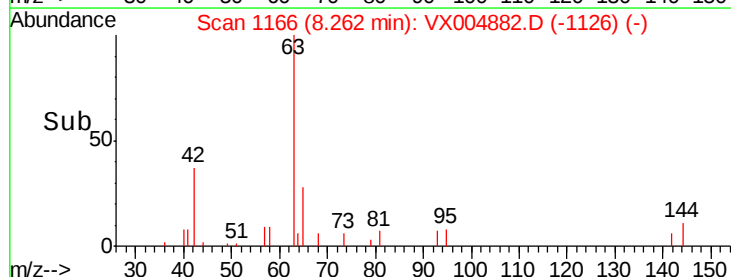
400

200

0

8.20 8.25 8.30 8.35

Time-->

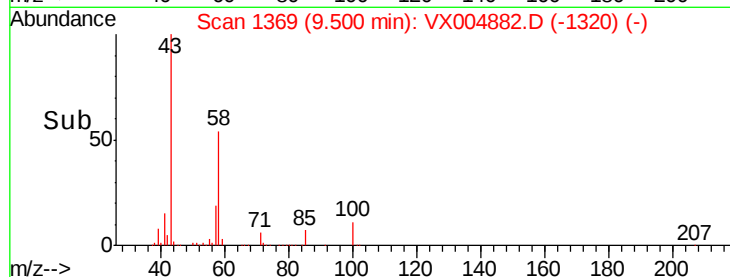
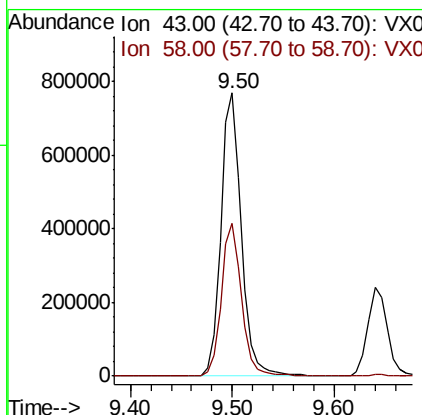
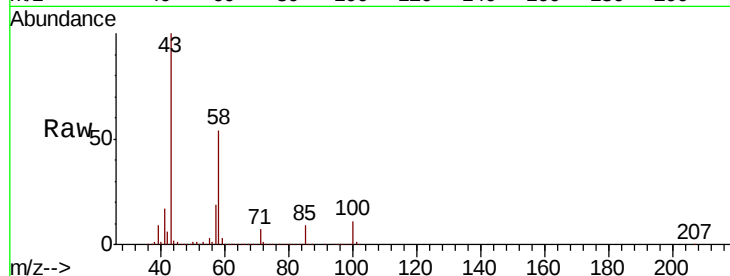




#59
2-Hexanone
Concen: 279.812 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

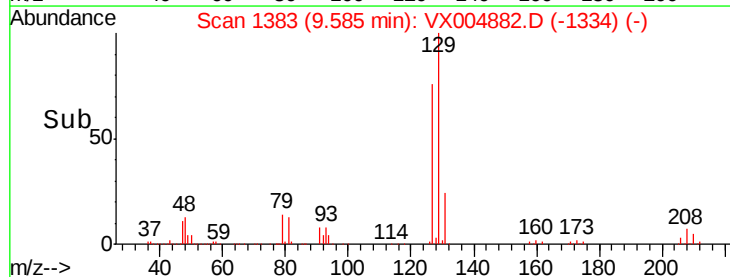
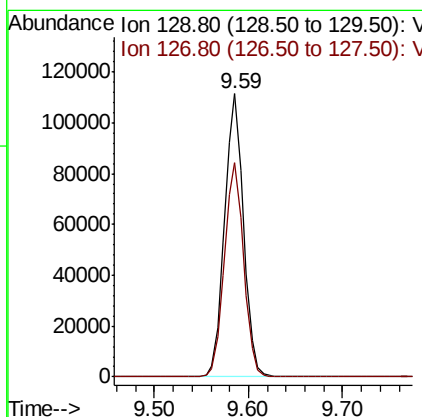
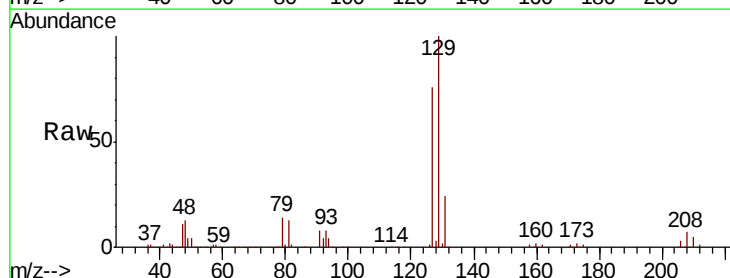
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

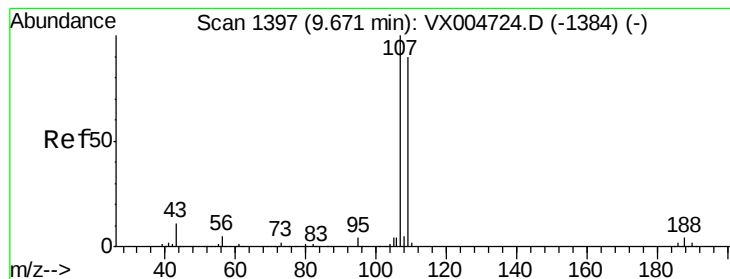
Tot Ion: 43 Resp: 1073676
Ion Ratio Lower Upper
43 100
58 53.4 29.0 87.0



#60
Dibromochloromethane
Concen: 53.855 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion: 129 Resp: 154914
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.892 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

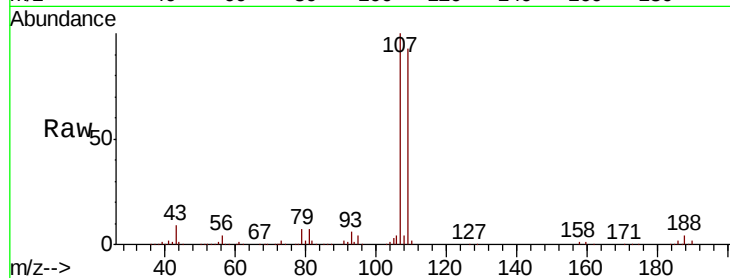
SA-TW502-0913MSD

Tot Ion:107 Resp: 153684

Ion Ratio Lower Upper

107 100

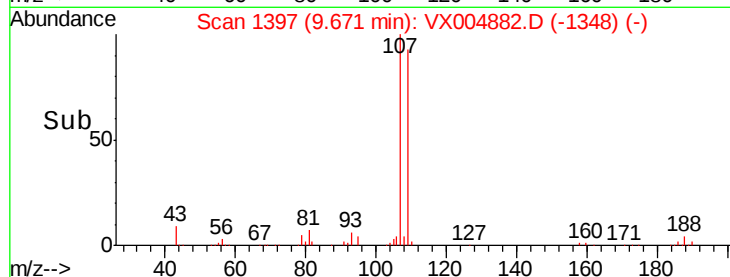
109 94.3 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67



120000

100000

80000

60000

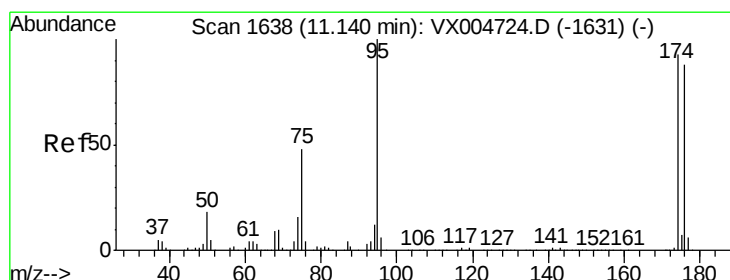
40000

20000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 55.501 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

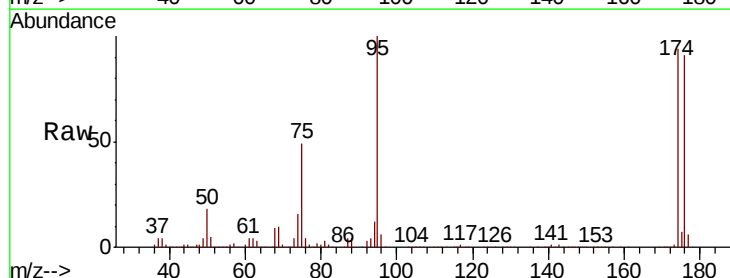
Tgt Ion: 95 Resp: 185964

Ion Ratio Lower Upper

95 100

174 90.3 0.0 185.2

176 87.8 0.0 178.6



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

150000

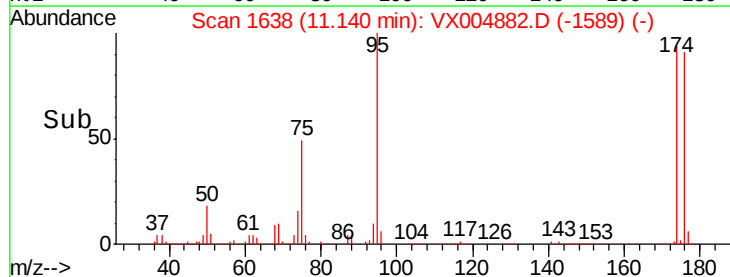
100000

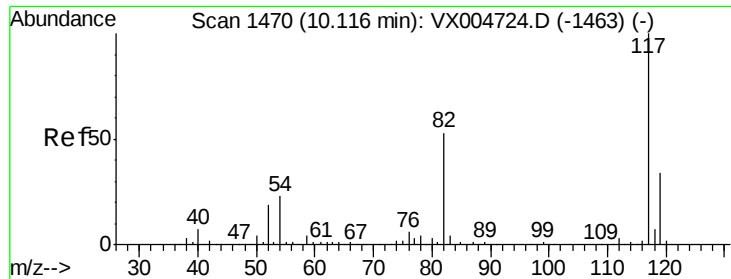
50000

0

11.10 11.14 11.18 11.22 11.26

Time-->

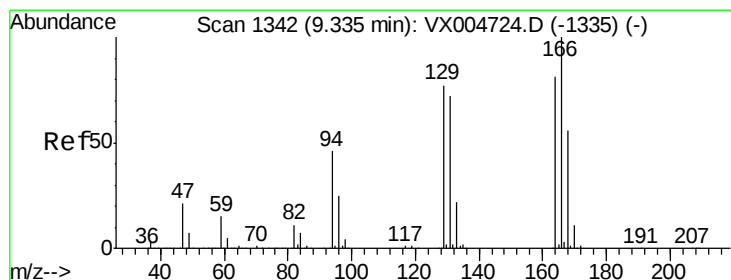
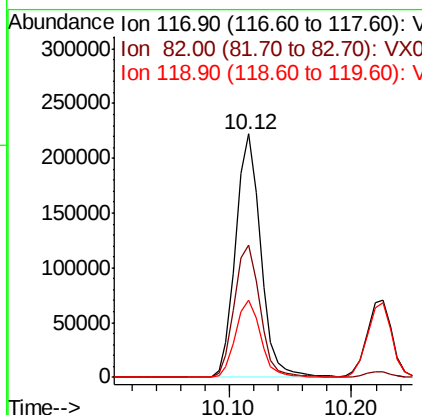
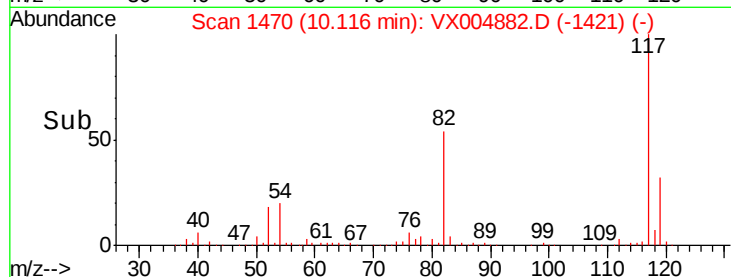
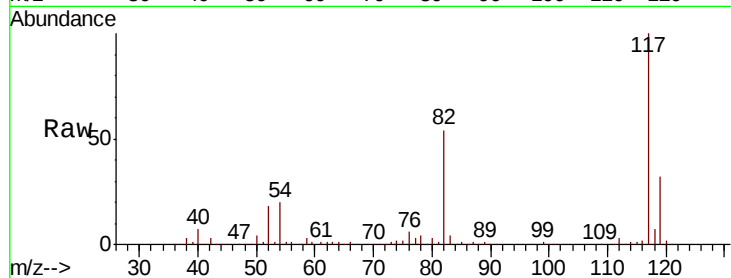




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

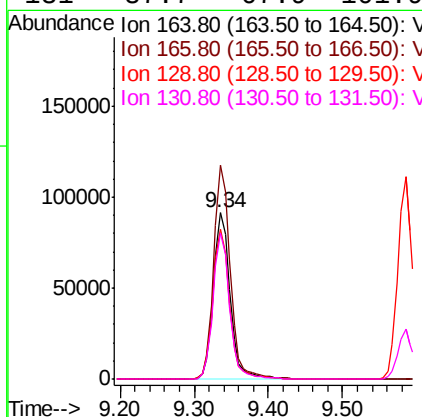
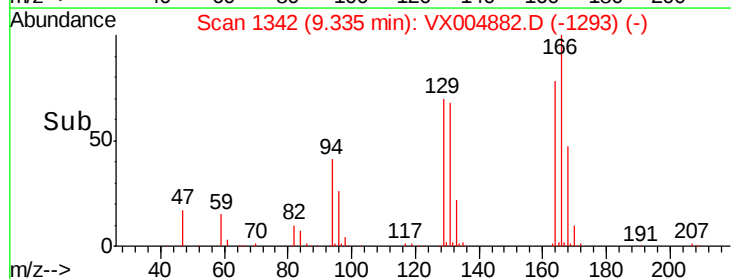
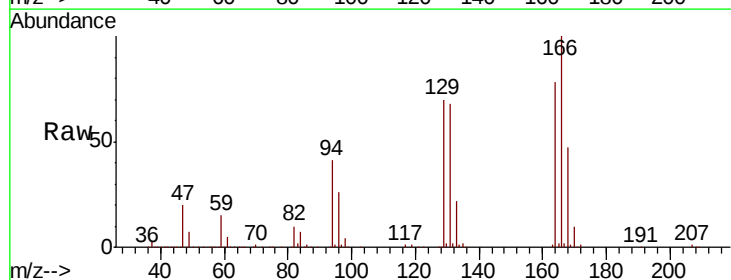
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion:117 Resp: 316007
Ion Ratio Lower Upper
117 100
82 54.2 47.8 71.6
119 32.0 29.3 43.9



#64
Tetrachloroethene
Concen: 45.407 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion:164 Resp: 141224
Ion Ratio Lower Upper
164 100
166 128.5 102.8 154.2
129 90.2 69.4 104.0
131 87.7 67.9 101.9





#65

Chlorobenzene

Concen: 49.273 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

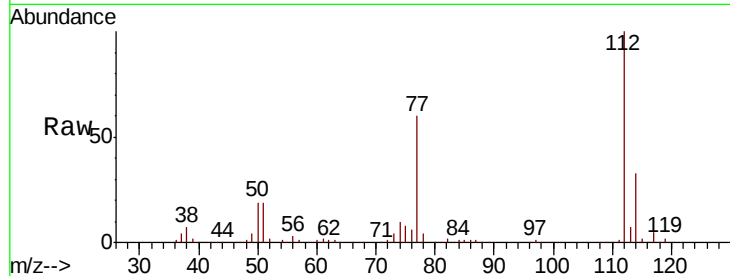
SA-TW502-0913MSD

Tot Ion:112 Resp: 399273

Ion Ratio Lower Upper

112 100

114 32.6 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

300000

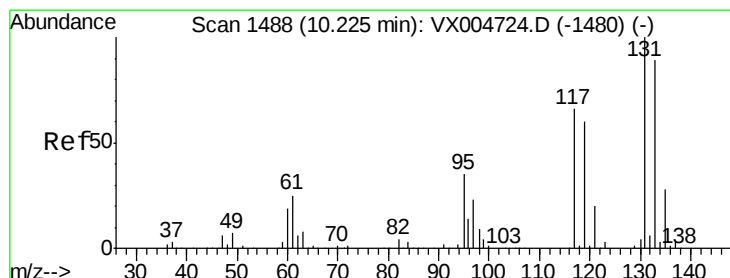
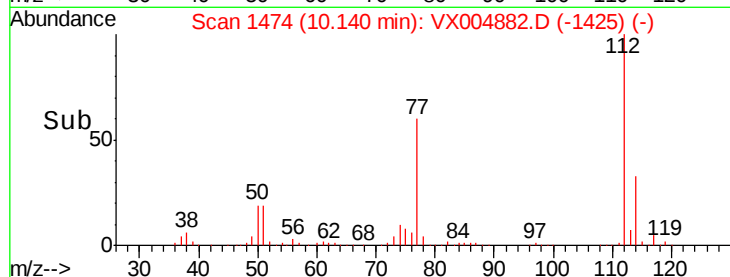
200000

100000

0

Time-->

10.00 10.20



#66

1,1,1,2-Tetrachloroethane

Concen: 50.375 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

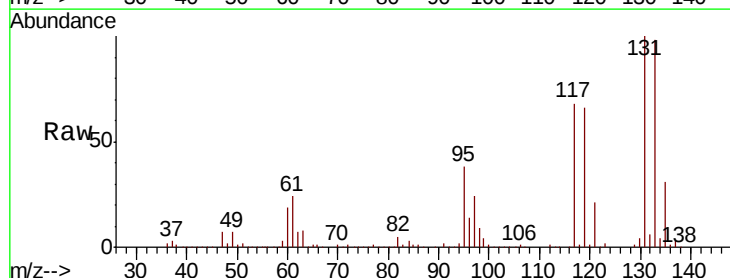
Tgt Ion:131 Resp: 143507

Ion Ratio Lower Upper

131 100

133 96.8 48.1 144.4

119 65.7 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

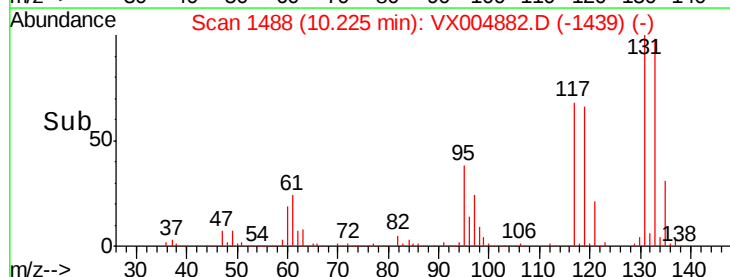
100000

50000

0

Time-->

10.20 10.30





#67

Ethyl Benzene

Concen: 52.575 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

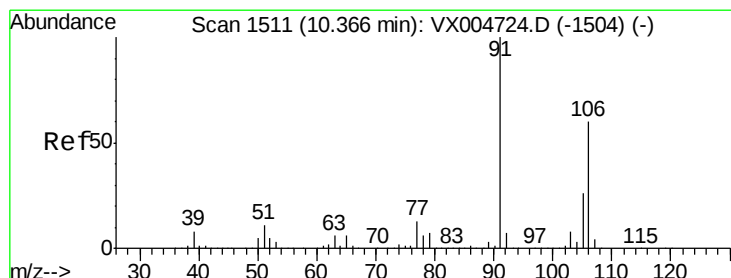
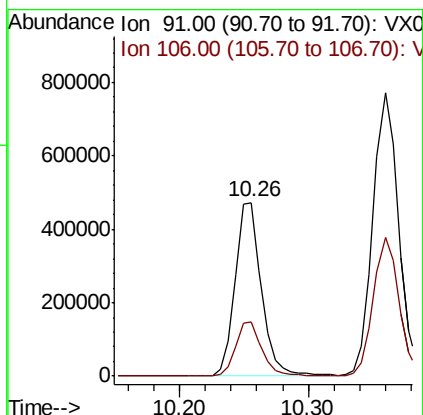
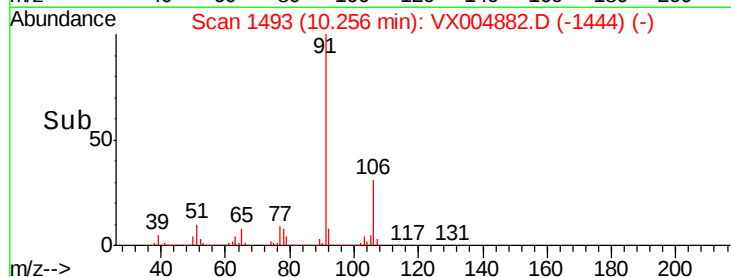
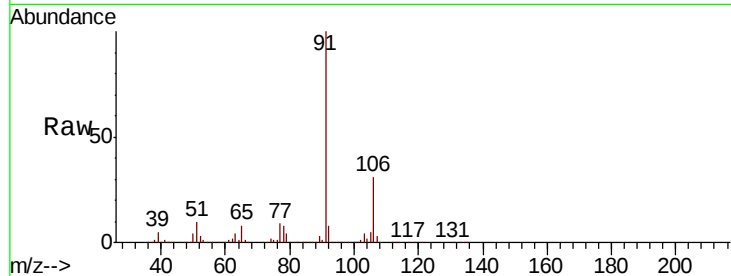
SA-TW502-0913MSD

Tot Ion: 91 Resp: 676384

Ion Ratio Lower Upper

91 100

106 31.3 25.9 38.9



#68

m/p-Xylenes

Concen: 105.182 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004882.D

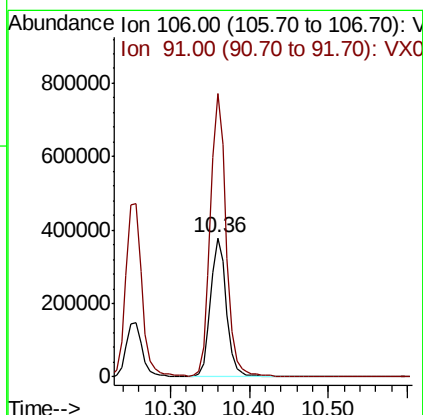
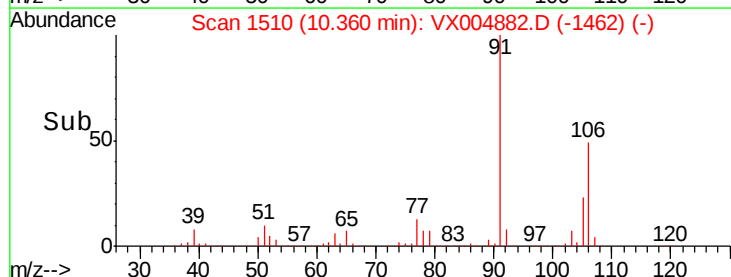
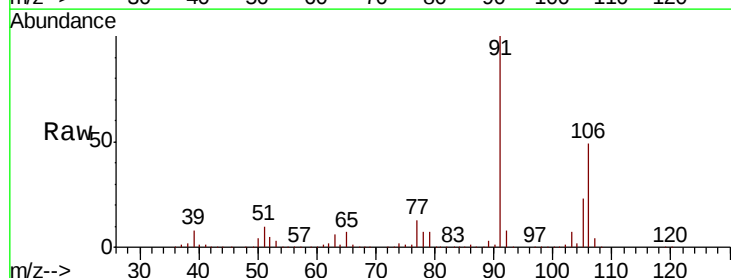
Acq: 01 Oct 2018 20:23

Tgt Ion: 106 Resp: 528780

Ion Ratio Lower Upper

106 100

91 203.7 157.1 235.7

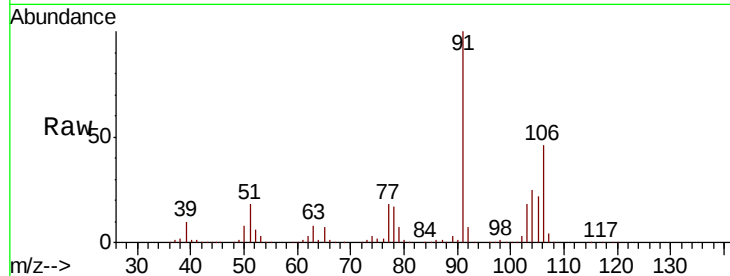




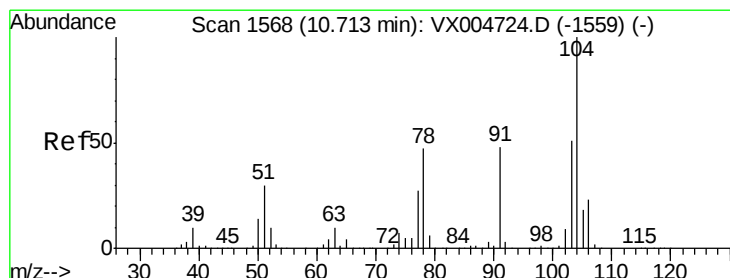
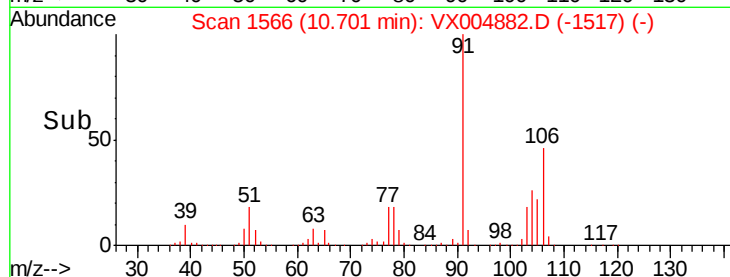
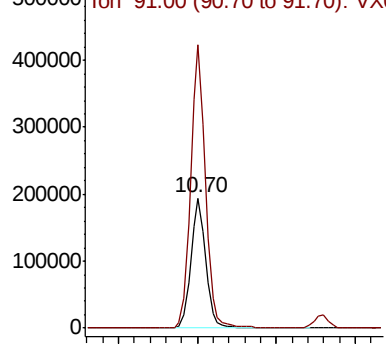
#69
o-Xylene
Concen: 55.030 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion:106 Resp: 254104
Ion Ratio Lower Upper
106 100
91 216.6 105.1 315.1

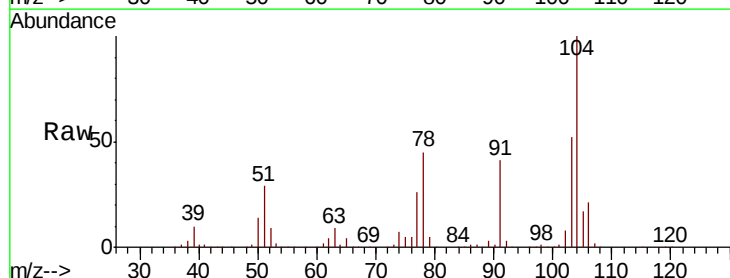


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

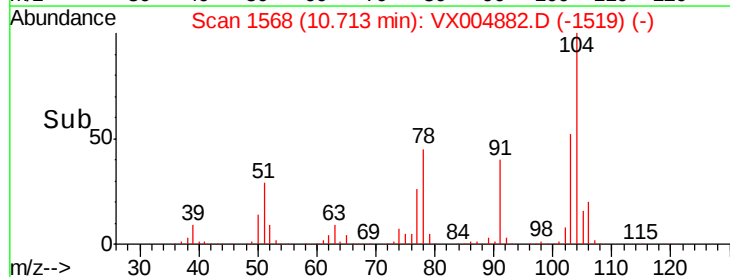
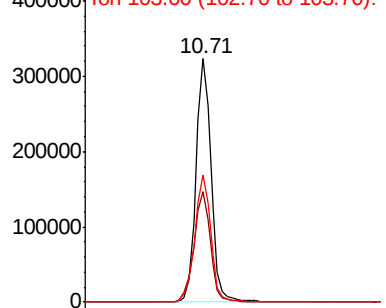


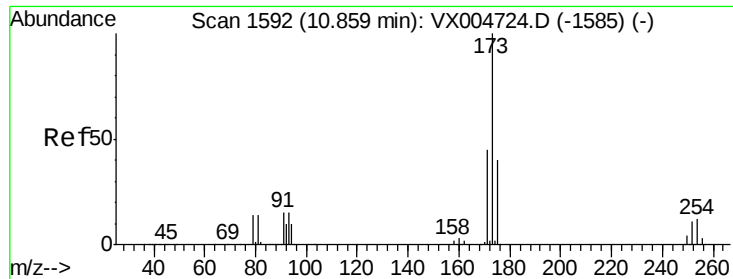
#70
Styrene
Concen: 49.864 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion:104 Resp: 430579
Ion Ratio Lower Upper
104 100
78 49.7 37.4 56.0
103 55.7 43.8 65.6



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: 52.361 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

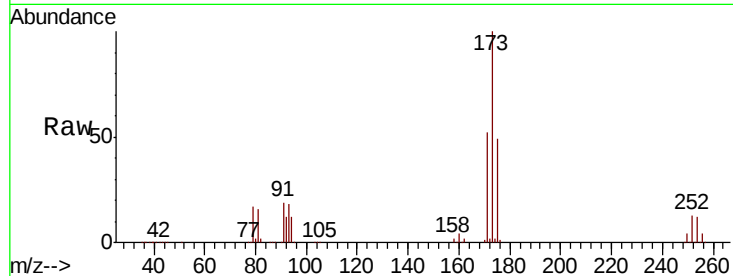
Tot Ion:173 Resp: 127703

Ion Ratio Lower Upper

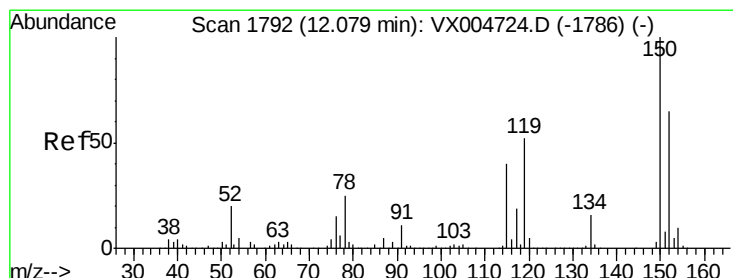
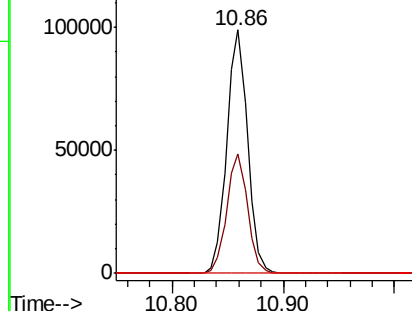
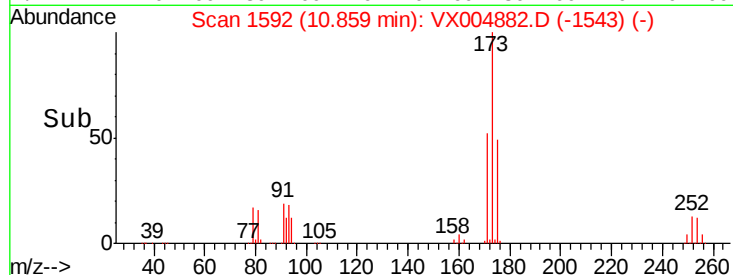
173 100

175 48.9 24.1 72.3

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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

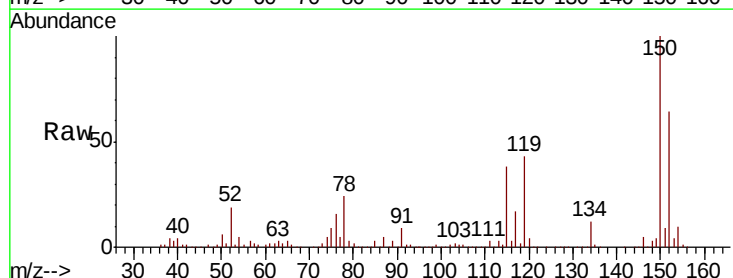
Tgt Ion:152 Resp: 195795

Ion Ratio Lower Upper

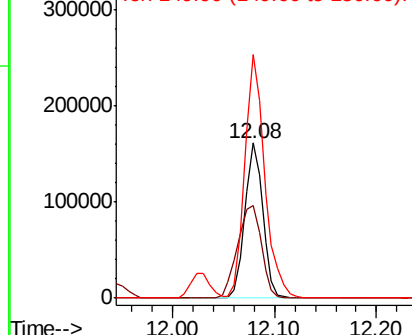
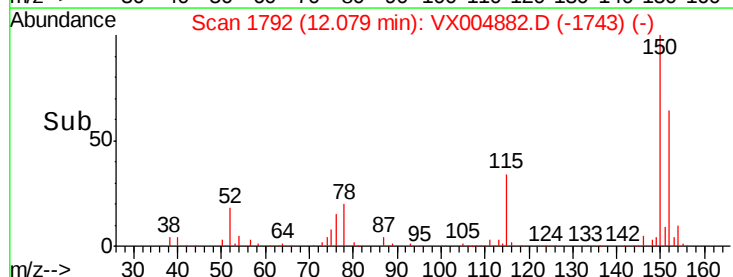
152 100

115 79.4 39.0 117.0

150 174.5 0.0 351.0



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





#73

Isopropylbenzene

Concen: 55.149 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

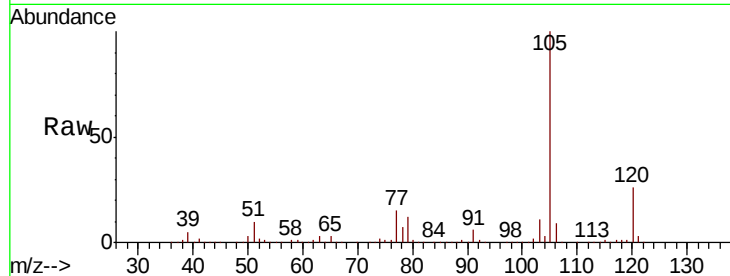
SA-TW502-0913MSD

Tot Ion: 105 Resp: 680606

Ion Ratio Lower Upper

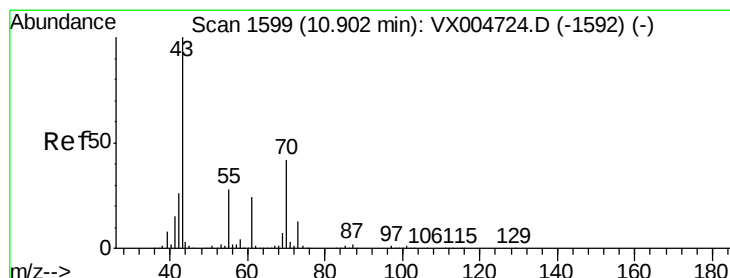
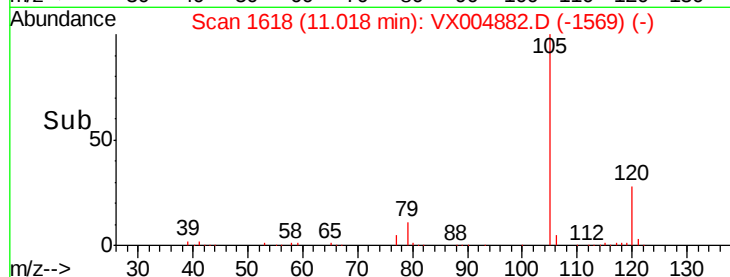
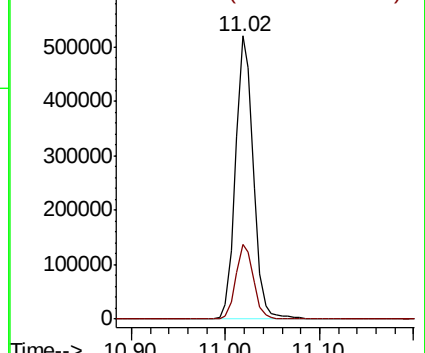
105 100

120 26.6 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-ethyl acetate

Concen: 46.847 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Tgt Ion: 43 Resp: 316998

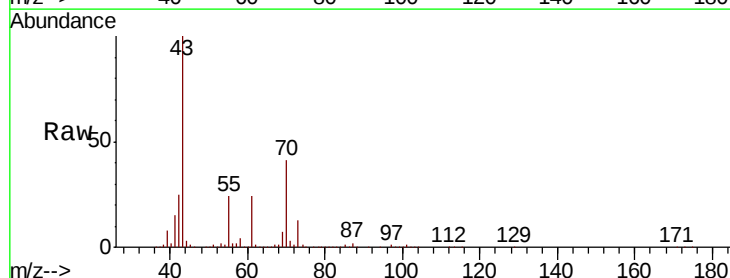
Ion Ratio Lower Upper

43 100

70 40.7 37.4 56.0

55 25.0 21.8 32.8

61 23.5 20.6 30.8

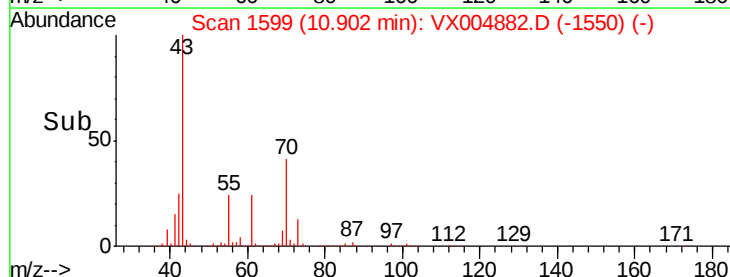
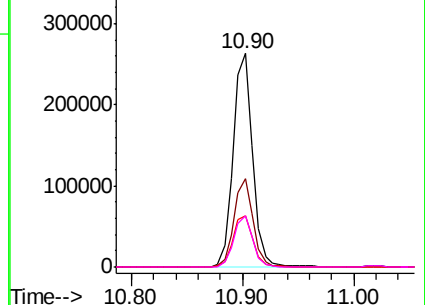


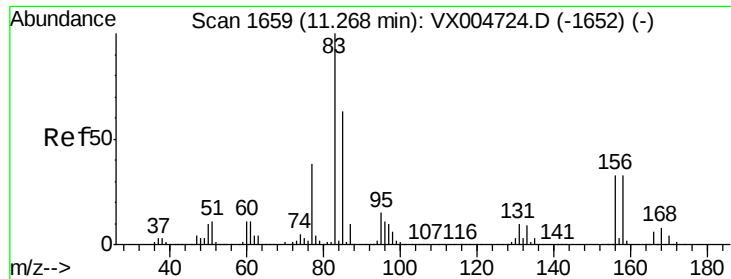
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 49.730 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

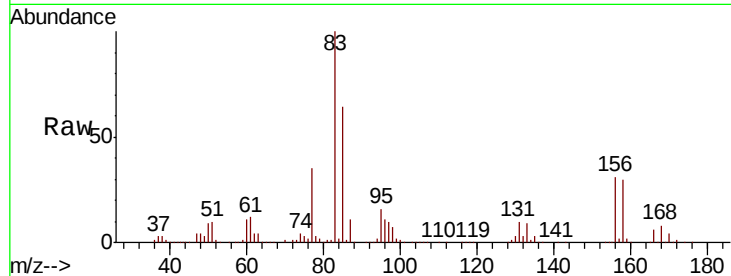
Tot Ion: 83 Resp: 249827

Ion Ratio Lower Upper

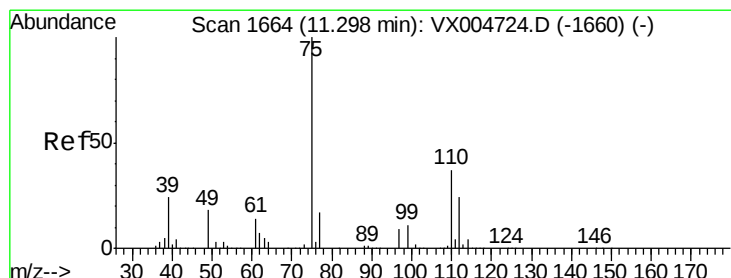
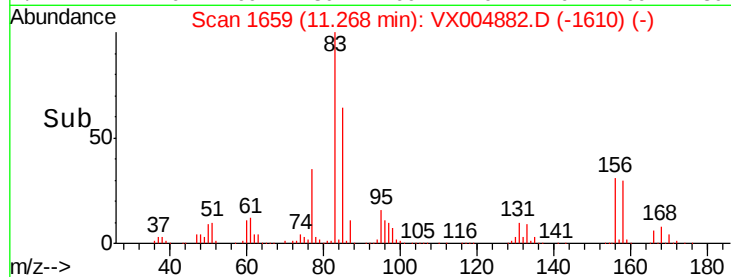
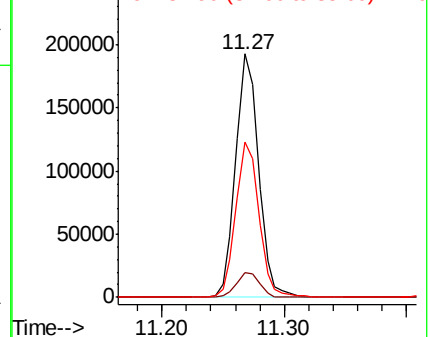
83 100

131 10.4 5.2 15.6

85 64.5 32.3 96.8



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: 64.466 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004882.D

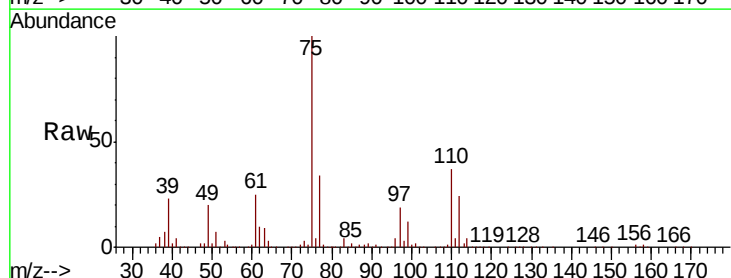
Acq: 01 Oct 2018 20:23

Tgt Ion: 75 Resp: 282906

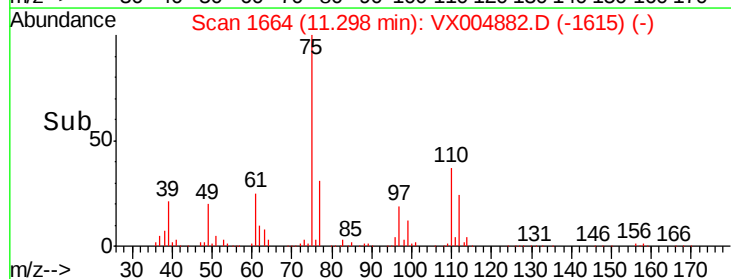
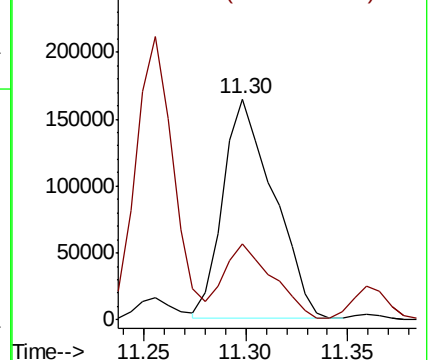
Ion Ratio Lower Upper

75 100

77 33.9 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.197 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

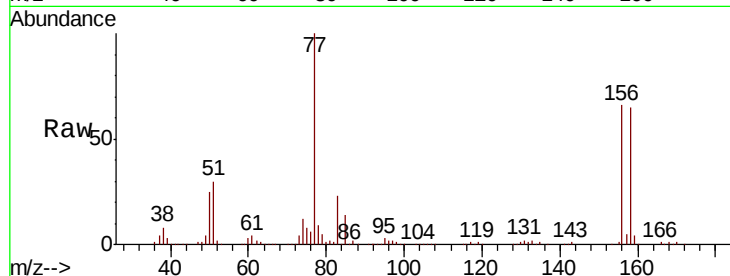
Tot Ion:156 Resp: 183522

Ion Ratio Lower Upper

156 100

77 148.3 71.5 214.3

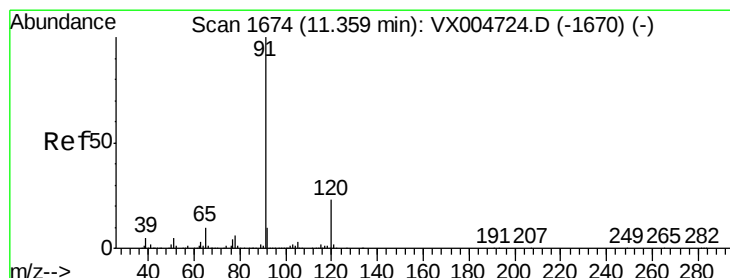
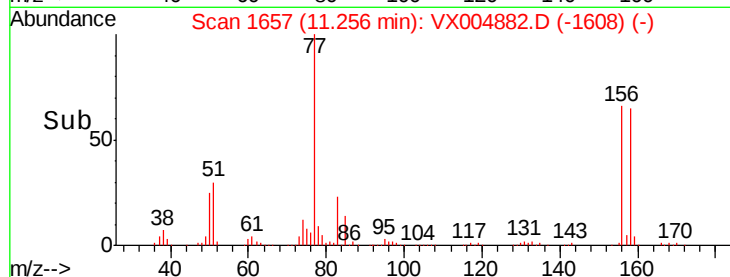
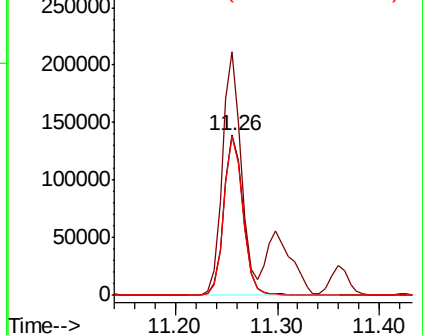
158 98.3 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.372 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004882.D

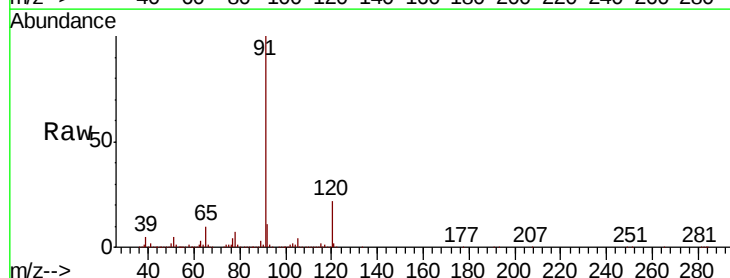
Acq: 01 Oct 2018 20:23

Tgt Ion: 91 Resp: 784079

Ion Ratio Lower Upper

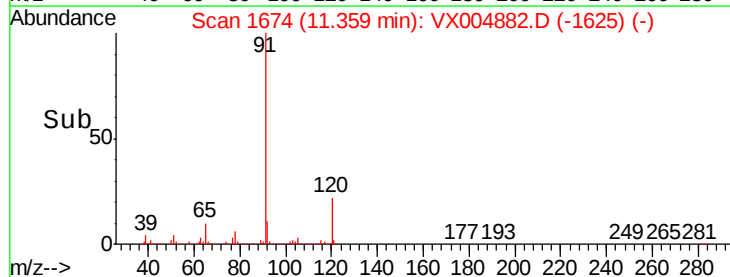
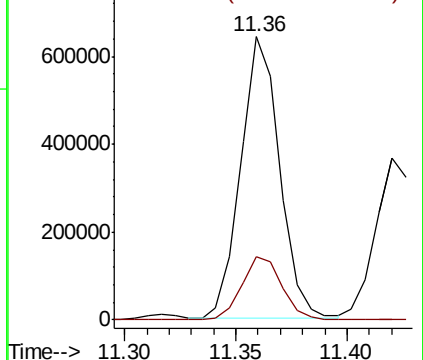
91 100

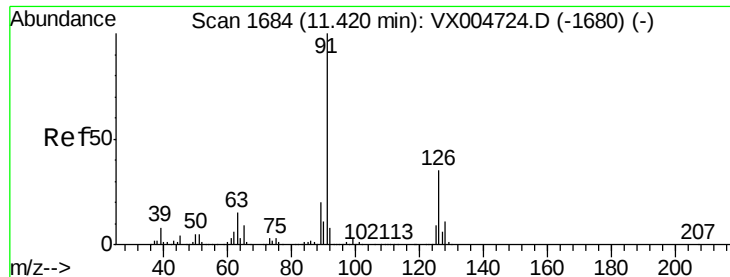
120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.177 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

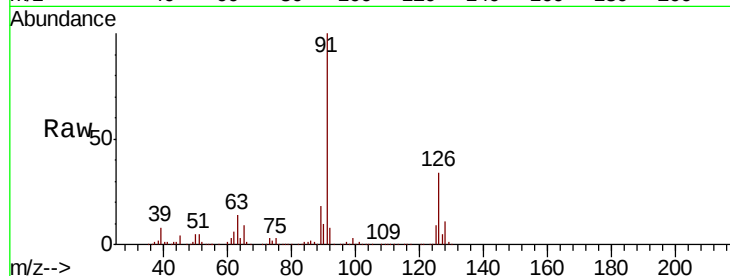
SA-TW502-0913MSD

Tot Ion: 91 Resp: 469352

Ion Ratio Lower Upper

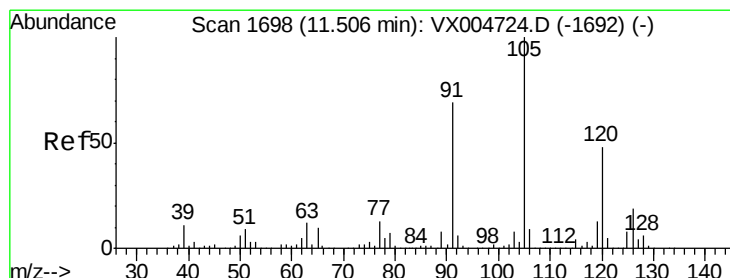
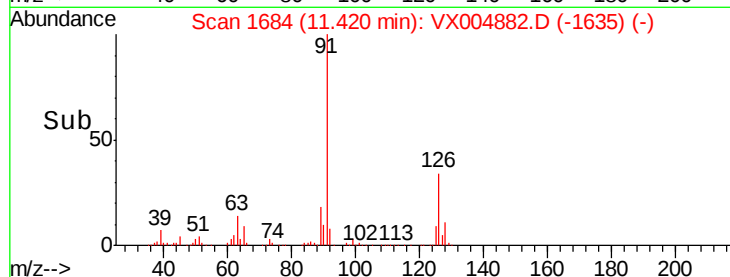
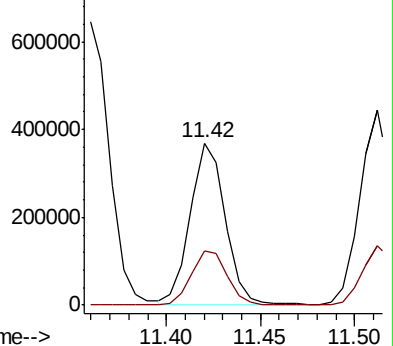
91 100

126 35.1 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX004724.D (-1680) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.213 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004882.D

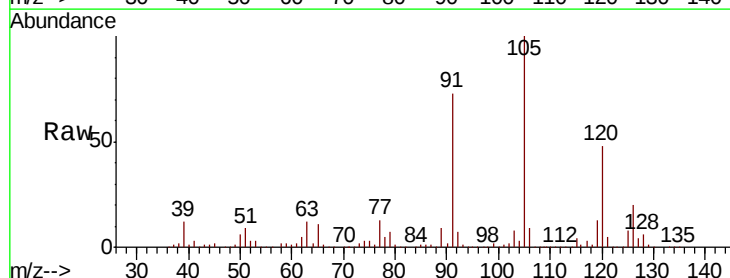
Acq: 01 Oct 2018 20:23

Tgt Ion: 105 Resp: 579228

Ion Ratio Lower Upper

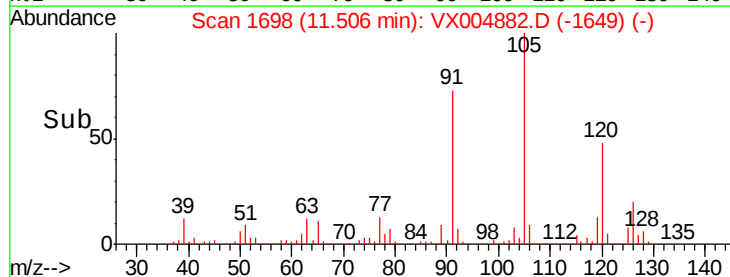
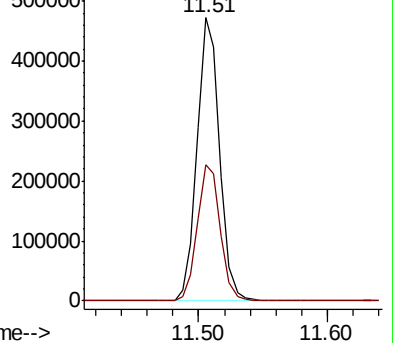
105 100

120 49.1 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004724.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004724.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.003 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

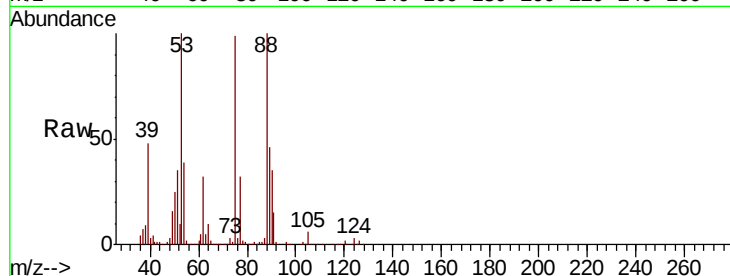
Tot Ion: 75 Resp: 70404

Ion Ratio Lower Upper

75 100

53 98.8 80.1 120.1

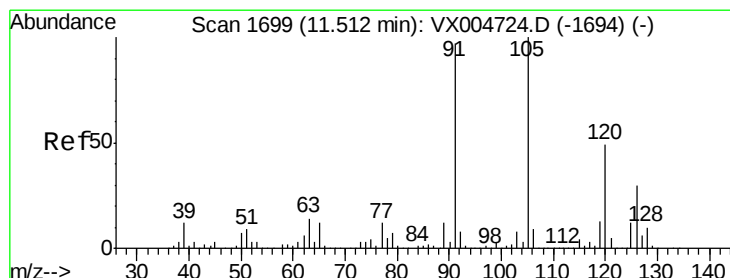
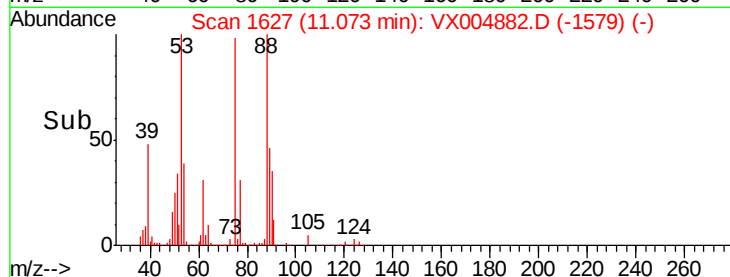
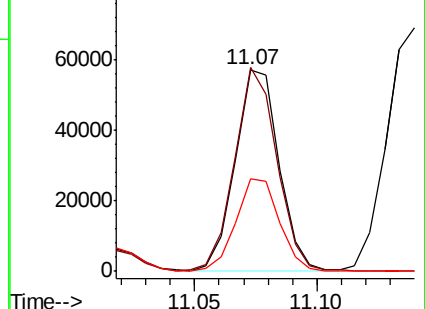
89 46.3 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 53.574 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004882.D

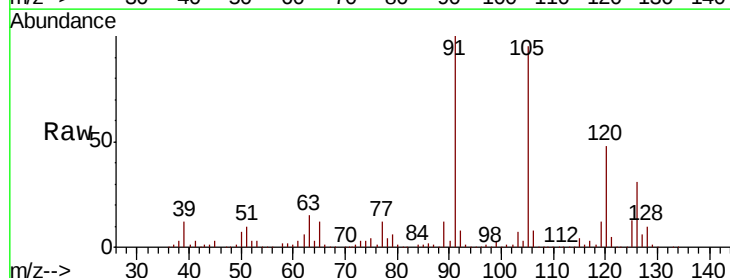
Acq: 01 Oct 2018 20:23

Tgt Ion: 91 Resp: 556569

Ion Ratio Lower Upper

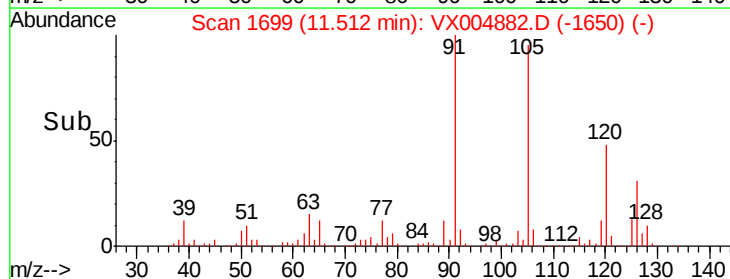
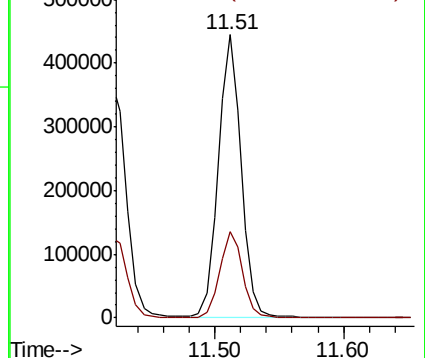
91 100

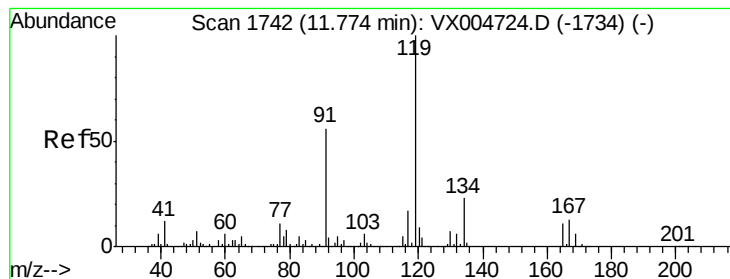
126 30.4 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 56.660 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

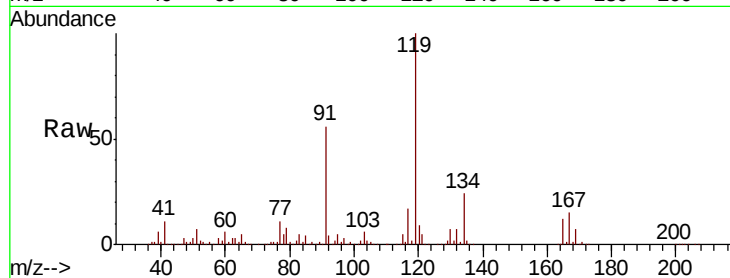
Tot Ion:119 Resp: 575722

Ion Ratio Lower Upper

119 100

91 55.4 27.0 81.0

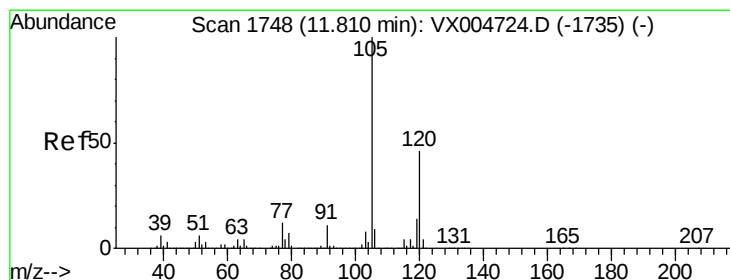
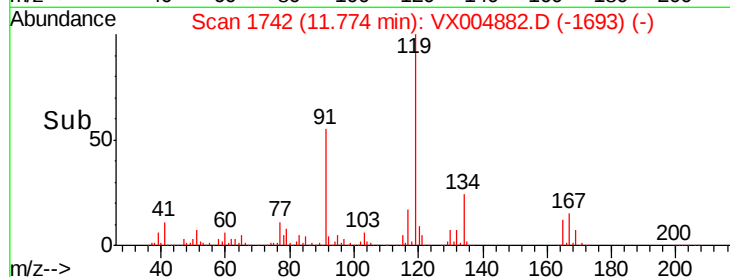
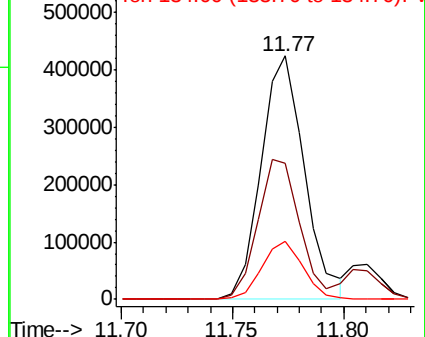
134 22.7 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.325 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX004882.D

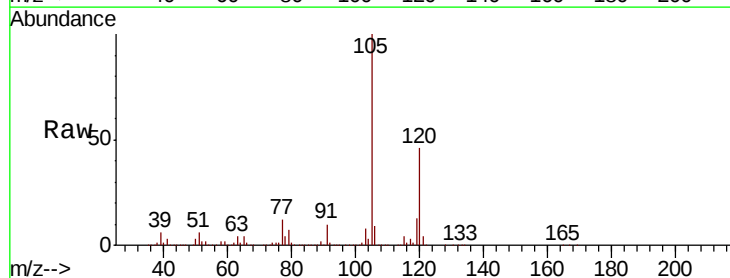
Acq: 01 Oct 2018 20:23

Tgt Ion:105 Resp: 598638

Ion Ratio Lower Upper

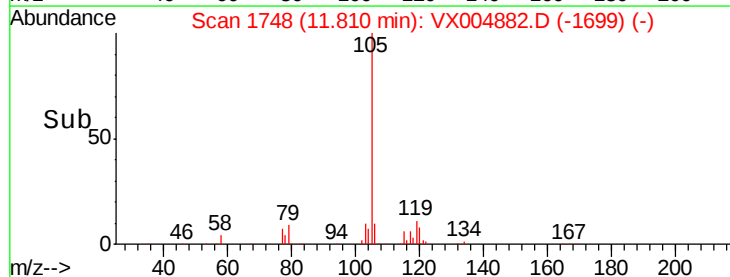
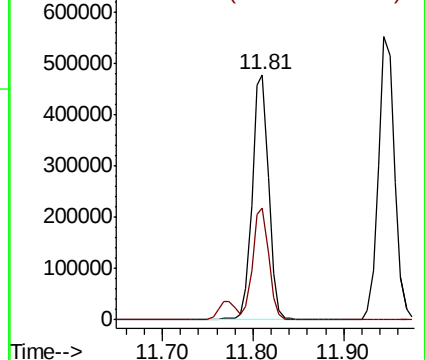
105 100

120 44.9 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

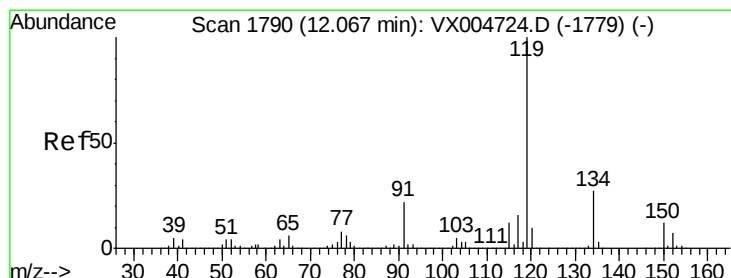
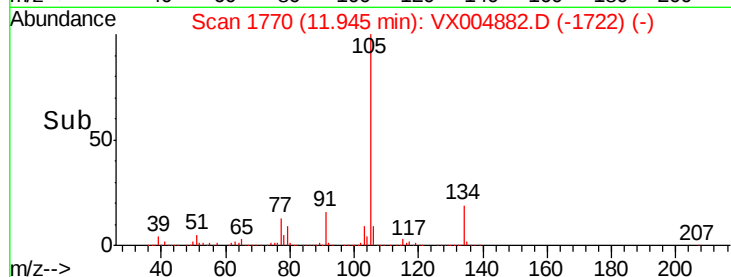
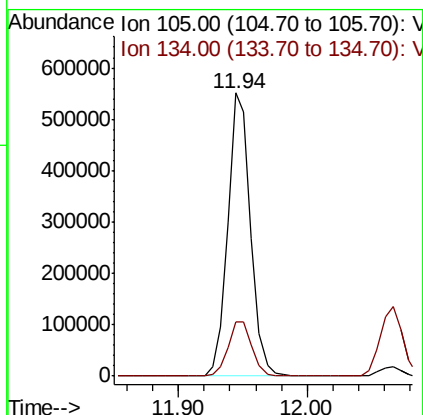
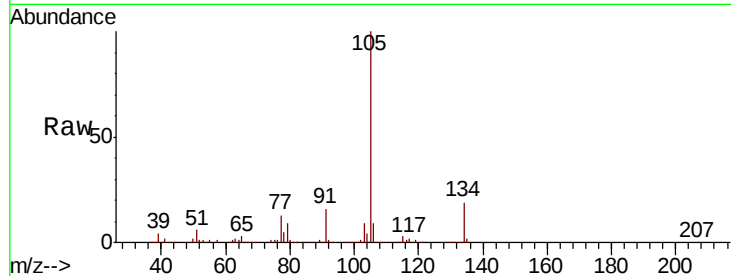




#85
 sec-Butylbenzene
 Concen: 55.216 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

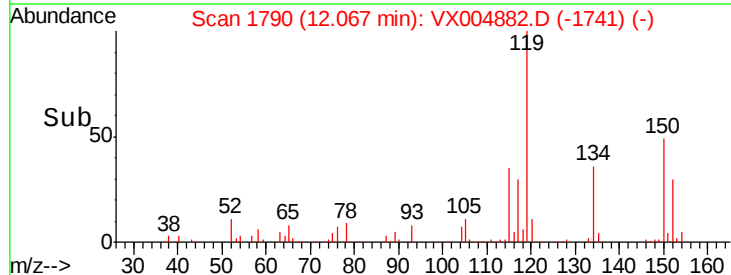
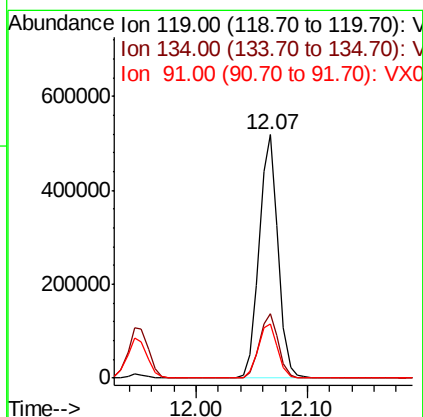
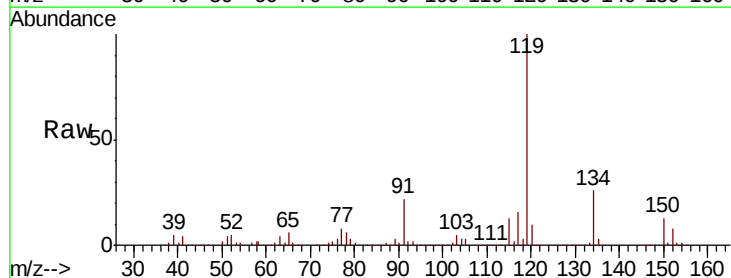
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

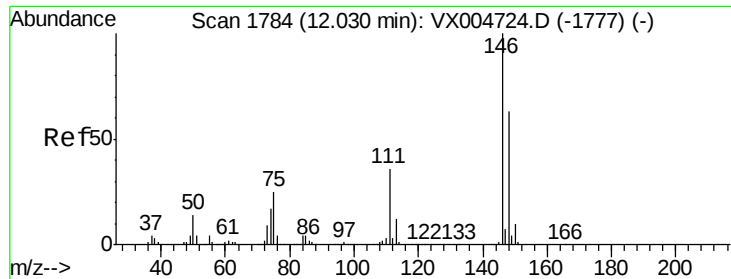
Tot Ion:105 Resp: 683368
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 54.840 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion:119 Resp: 614920
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.2
 91 23.0 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 50.591 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

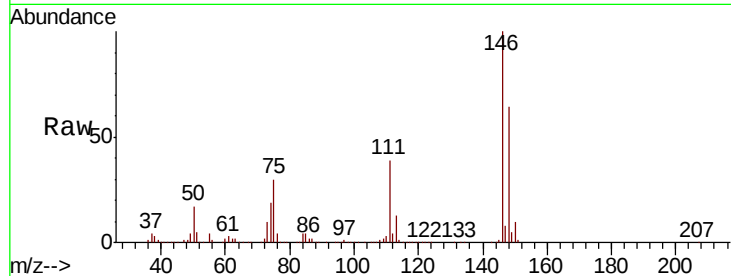
Tot Ion:146 Resp: 338631

Ion Ratio Lower Upper

146 100

111 38.3 18.7 56.1

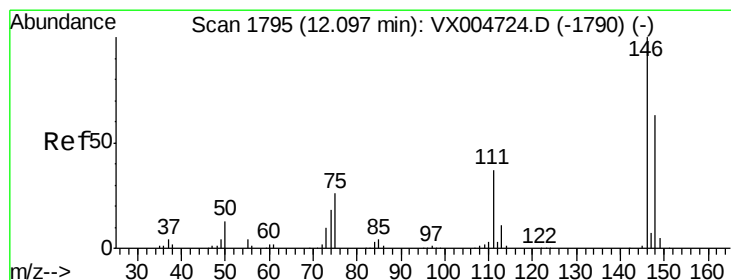
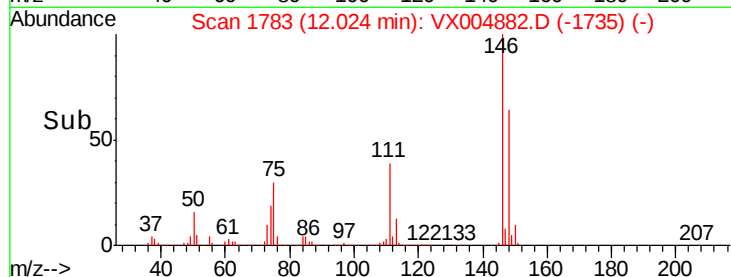
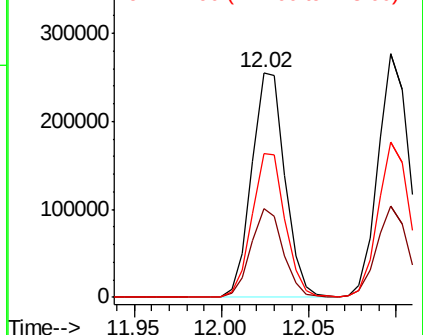
148 63.8 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.831 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

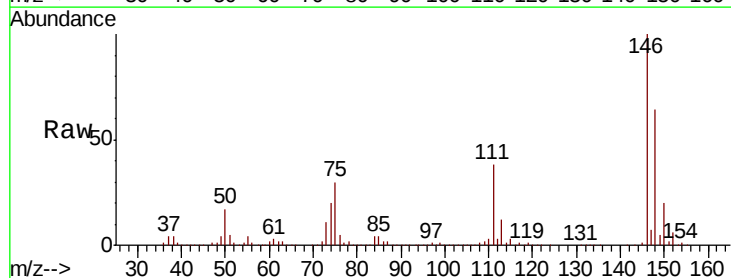
Tgt Ion:146 Resp: 344311

Ion Ratio Lower Upper

146 100

111 37.4 18.1 54.1

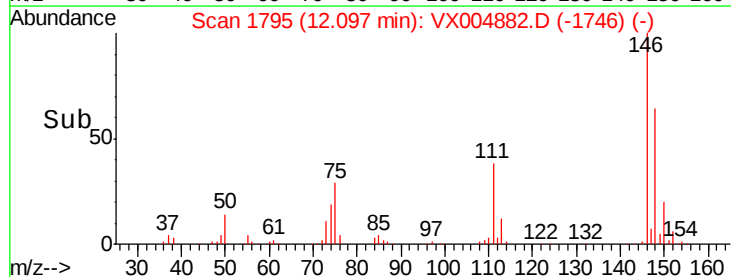
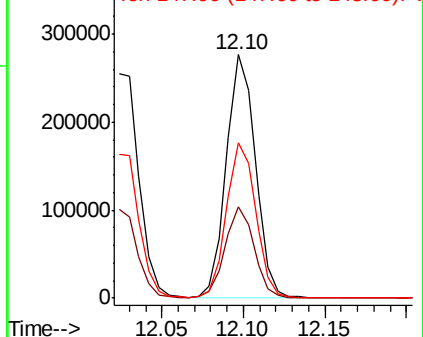
148 64.3 32.0 96.0



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

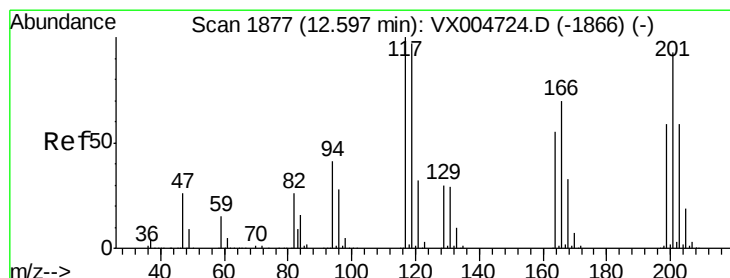
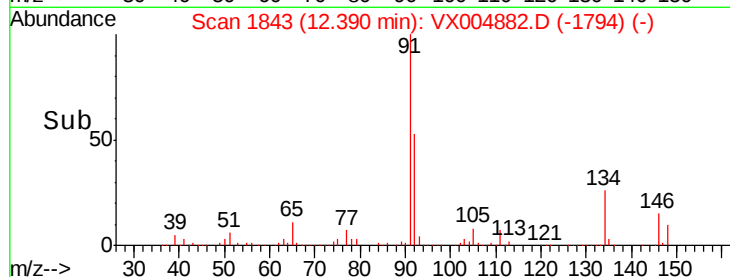
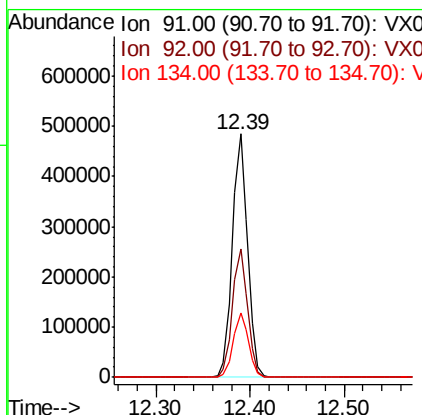
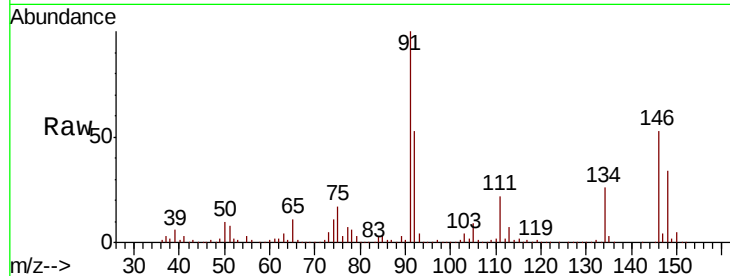




#89
n-Butylbenzene
Concen: 53.269 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

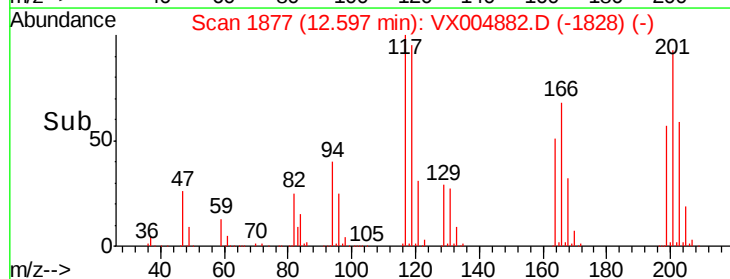
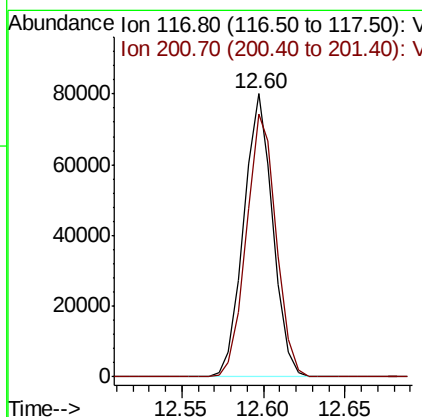
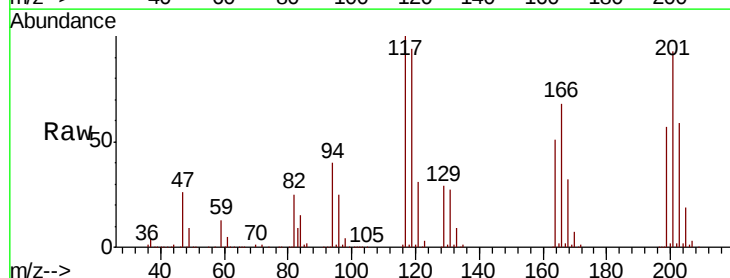
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

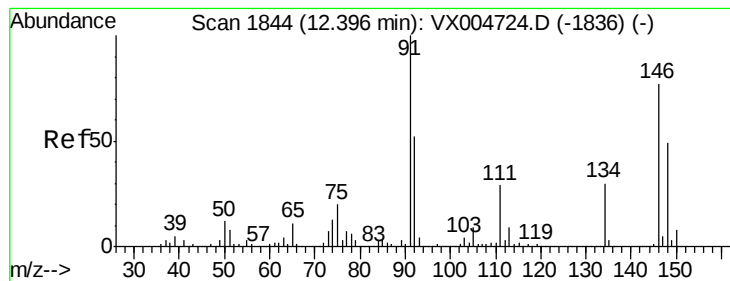
Tot Ion: 91 Resp: 542470
Ion Ratio Lower Upper
91 100
92 52.6 27.3 81.9
134 26.6 13.6 40.7



#90
Hexachloroethane
Concen: 53.114 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion: 117 Resp: 99161
Ion Ratio Lower Upper
117 100
201 95.3 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 49.067 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MSD

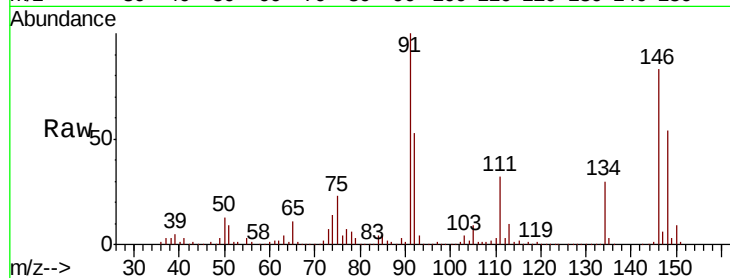
Tot Ion:146 Resp: 343223

Ion Ratio Lower Upper

146 100

111 39.9 19.4 58.1

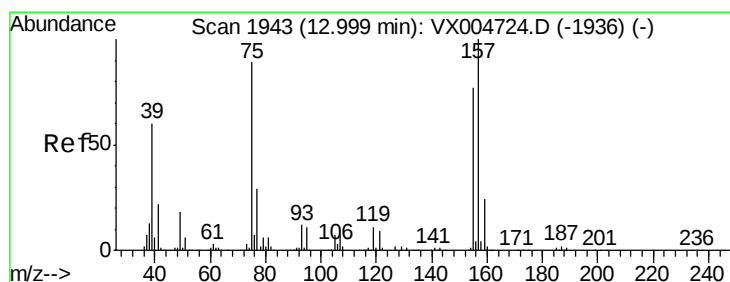
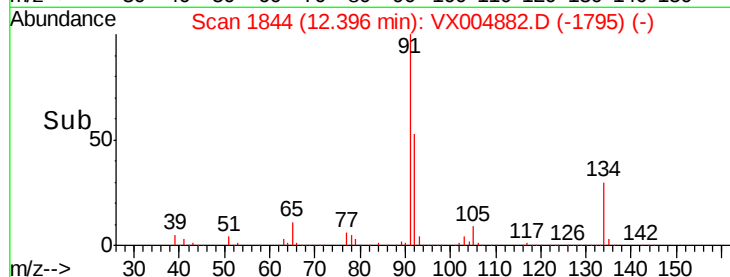
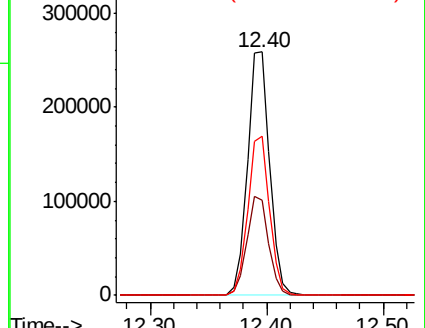
148 64.3 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.923 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX004882.D

Acq: 01 Oct 2018 20:23

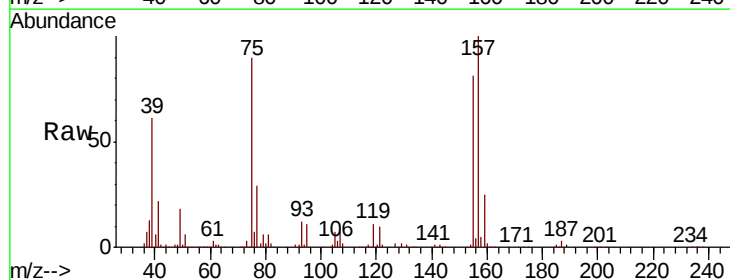
Tgt Ion: 75 Resp: 59480

Ion Ratio Lower Upper

75 100

155 92.9 48.0 144.2

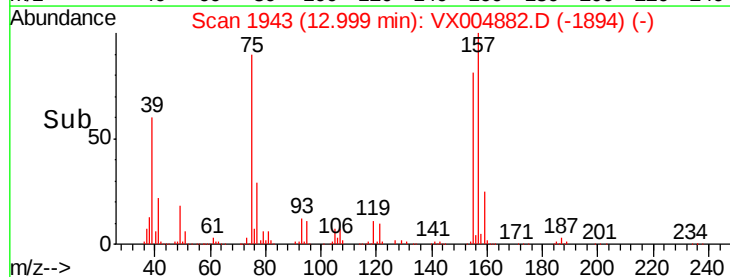
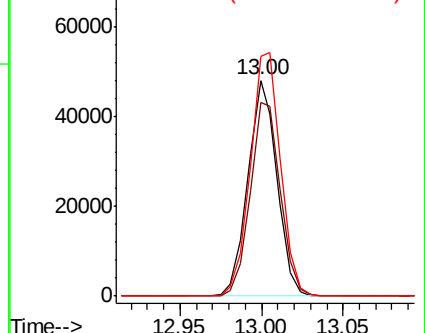
157 117.7 61.4 184.1

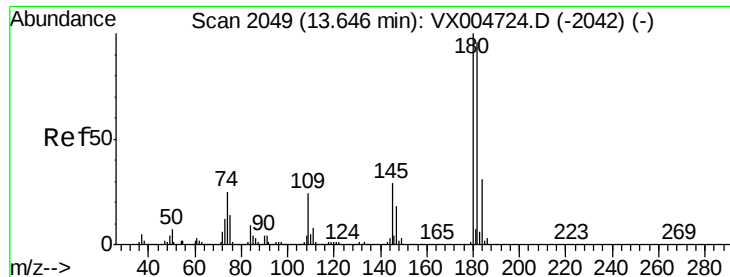


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

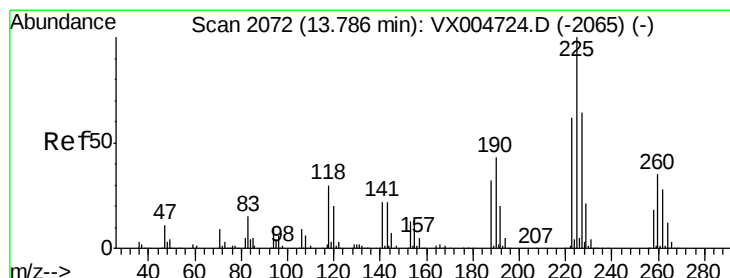
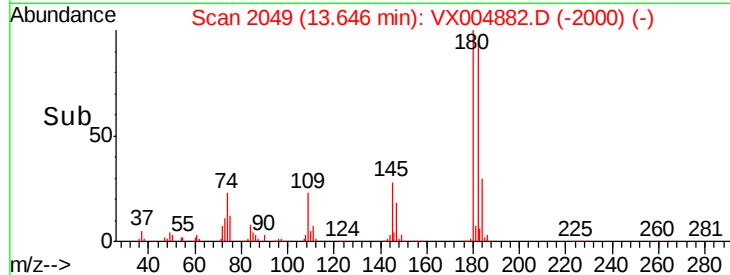
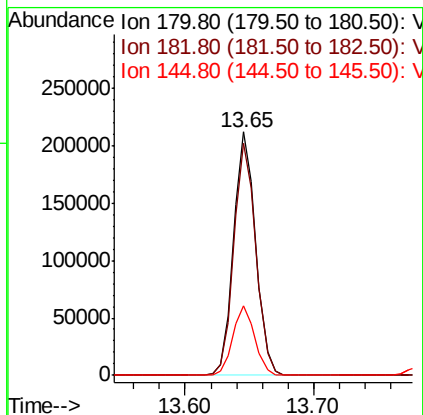
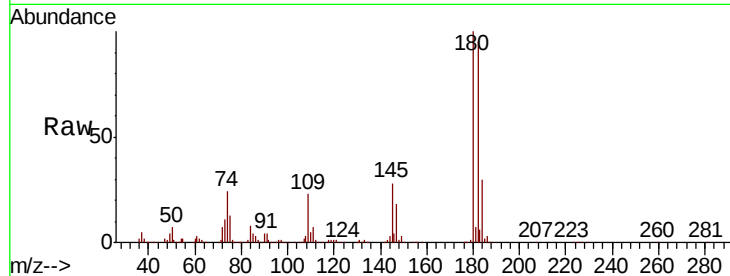




#93
 1,2,4-Trichlorobenzene
 Concen: 51.722 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

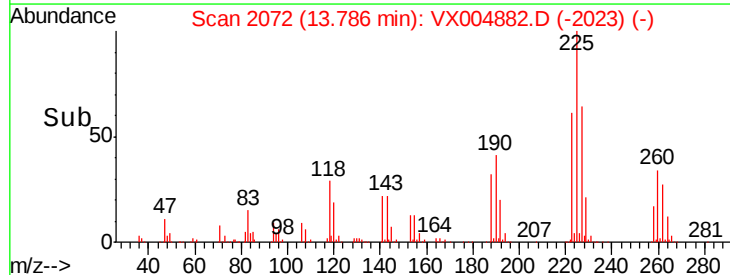
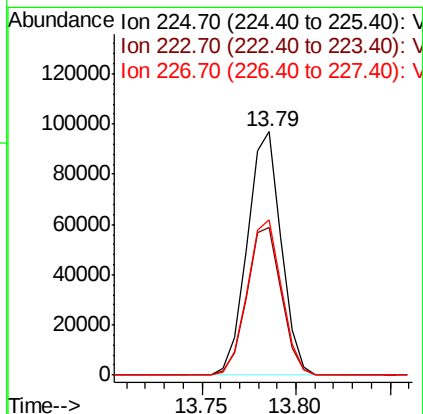
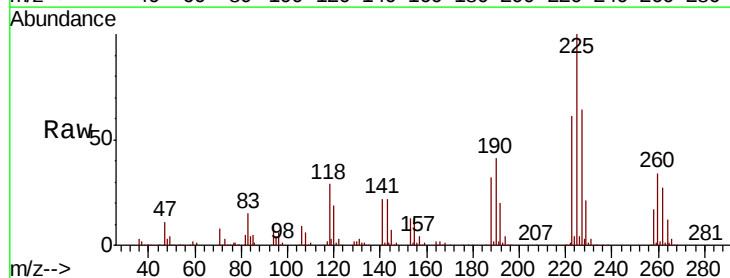
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MSD

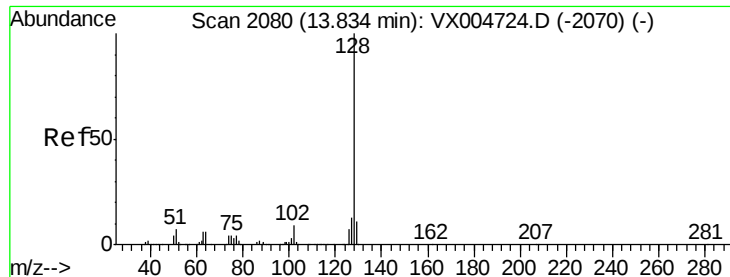
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.4	145.0
145	28.4	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 47.379 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004882.D
 Acq: 01 Oct 2018 20:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.1	90.5
227	64.6	30.8	92.4

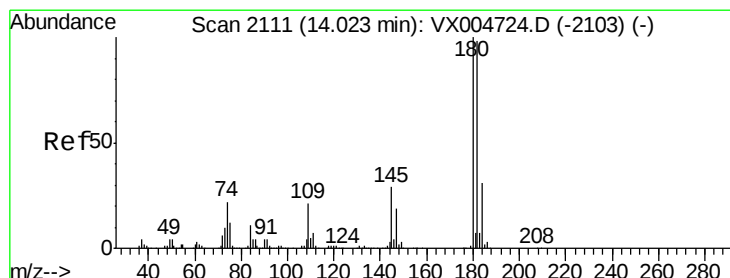
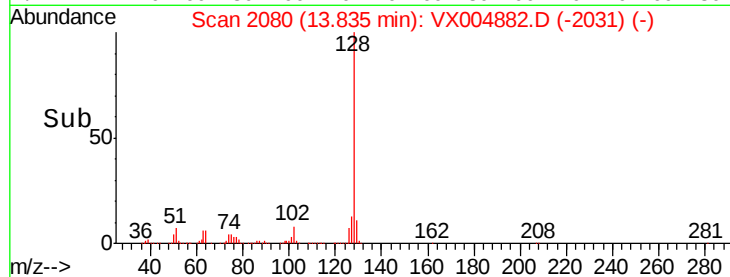
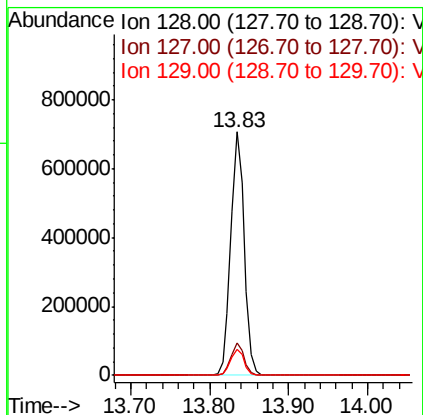
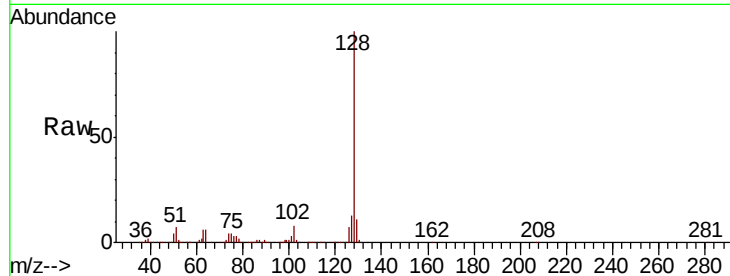




#95
Naphthalene
Concen: 51.330 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MSD

Tot Ion:128 Resp: 836289
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.303 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX004882.D
Acq: 01 Oct 2018 20:23

Tgt Ion:180 Resp: 265115
Ion Ratio Lower Upper
180 100
182 96.5 48.5 145.6
145 29.5 14.9 44.9

