

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004881.D
 Acq On : 01 Oct 2018 19:56
 Operator : JC/MD
 Sample : J5135-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

Quant Time: Oct 02 02:42:54 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	208130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	318368	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	308084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192105	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	162150	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
35) Dibromofluoromethane	5.50	113	133285	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
50) Toluene-d8	8.72	98	499014	55.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.26%	
62) 4-Bromofluorobenzene	11.14	95	186308	57.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	164672	58.028	ug/l	97
3) Chloromethane	1.32	50	185013	53.737	ug/l	100
4) Vinyl Chloride	1.40	62	182568	56.538	ug/l	100
5) Bromomethane	1.64	94	127589	66.632	ug/l	100
6) Chloroethane	1.71	64	111461	63.989	ug/l	98
7) Trichlorofluoromethane	1.92	101	232542	58.170	ug/l	94
8) Diethyl Ether	2.19	74	93653	53.926	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.37	101	128406	56.389	ug/l	98
10) Methyl Iodide	2.51	142	134408	44.109	ug/l	99
11) Tert butyl alcohol	3.09	59	242257	291.413	ug/l	100
12) 1,1-Dichloroethene	2.37	96	124629	55.264	ug/l	96
13) Acrolein	2.29	56	105587	178.513	ug/l	97
14) Allyl chloride	2.72	41	283160	57.546	ug/l	94
15) Acrylonitrile	3.15	53	533456	291.499	ug/l	99
16) Acetone	2.45	43	472318	272.108	ug/l	98
17) Carbon Disulfide	2.56	76	357138	52.703	ug/l	99
18) Methyl Acetate	2.78	43	266321	60.558	ug/l	93
19) Methyl tert-butyl Ether	3.21	73	460028	59.139	ug/l	97
20) Methylene Chloride	2.85	84	146846	58.326	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	133958	54.263	ug/l	96
22) Diisopropyl ether	3.87	45	475373	57.372	ug/l	95
23) Vinyl Acetate	3.82	43	2040537	269.041	ug/l	96
24) 1,1-Dichloroethane	3.69	63	260443	52.694	ug/l	99
25) 2-Butanone	4.71	43	718769	280.924	ug/l	95
26) 2,2-Dichloropropane	4.58	77	171319	49.776	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	147243	53.391	ug/l	95
28) Bromochloromethane	5.02	49	121252	52.095	ug/l	89
29) Tetrahydrofuran	5.16	42	471732	296.640	ug/l	92
30) Chloroform	5.21	83	253462	54.260	ug/l	98
31) Cyclohexane	5.57	56	220597	58.314	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	215177	56.405	ug/l	99
36) 1,1-Dichloropropene	5.80	75	180550	49.044	ug/l	99
37) Ethyl Acetate	4.86	43	241682	49.458	ug/l	98
38) Carbon Tetrachloride	5.78	117	187529	48.460	ug/l	97

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 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	209484	55.728	ug/l	94
40) Benzene	6.14	78	563609	48.902	ug/l	99
41) Methacrylonitrile	5.06	41	140882	51.986	ug/l	96
42) 1,2-Dichloroethane	6.20	62	202571	49.719	ug/l	97
43) Isopropyl Acetate	6.46	43	358458	50.823	ug/l	96
44) Trichloroethene	7.21	130	148528	52.423	ug/l	92
45) 1,2-Dichloropropane	7.52	63	154601	54.700	ug/l	99
46) Dibromomethane	7.66	93	98388	55.391	ug/l	98
47) Bromodichloromethane	7.90	83	189078	56.855	ug/l	99
48) Methyl methacrylate	7.78	41	196887	61.502	ug/l	94
49) 1,4-Dioxane	7.76	88	92839	1167.300	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	1349524	303.880	ug/l	95
52) Toluene	8.79	92	353228	55.777	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	208821	55.566	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	220605	56.044	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	148776	53.632	ug/l	95
56) Ethyl methacrylate	9.18	69	230107	51.054	ug/l	94
57) 1,3-Dichloropropane	9.37	76	248304	53.782	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.27	63	2117	15.077	ug/l #	45
59) 2-Hexanone	9.50	43	1080416	291.945	ug/l	94
60) Dibromochloromethane	9.59	129	152517	54.976	ug/l	100
61) 1,2-Dibromoethane	9.68	107	153773	51.761	ug/l	100
64) Tetrachloroethene	9.34	164	141796	46.763	ug/l	98
65) Chlorobenzene	10.14	112	394892	49.985	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	144337	51.969	ug/l	99
67) Ethyl Benzene	10.26	91	672098	53.586	ug/l	98
68) m/p-Xylenes	10.36	106	526510	107.424	ug/l	96
69) o-Xylene	10.70	106	253159	56.236	ug/l	97
70) Styrene	10.71	104	431393	51.183	ug/l	97
71) Bromoform	10.86	173	128063	53.859	ug/l	99
73) Isopropylbenzene	11.02	105	675321	55.772	ug/l	99
74) N-amyl acetate	10.90	43	320428	48.210	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	250916	50.906	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	284446	66.062	ug/l	89
77) Bromobenzene	11.26	156	183474	52.167	ug/l	97
78) n-propylbenzene	11.36	91	777176	55.939	ug/l	99
79) 2-Chlorotoluene	11.42	91	466313	53.847	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	575826	51.893	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	71125	45.249	ug/l	99
82) 4-Chlorotoluene	11.51	91	552361	54.190	ug/l	99
83) tert-Butylbenzene	11.77	119	563985	56.572	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	599827	52.419	ug/l	98
85) sec-Butylbenzene	11.95	105	683844	56.315	ug/l	98
86) p-Isopropyltoluene	12.07	119	611186	55.554	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	336149	51.185	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	342140	50.467	ug/l	99
89) n-Butylbenzene	12.39	91	539719	54.017	ug/l	98
90) Hexachloroethane	12.60	117	98557	53.805	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	345782	50.382	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	59388	54.874	ug/l	97

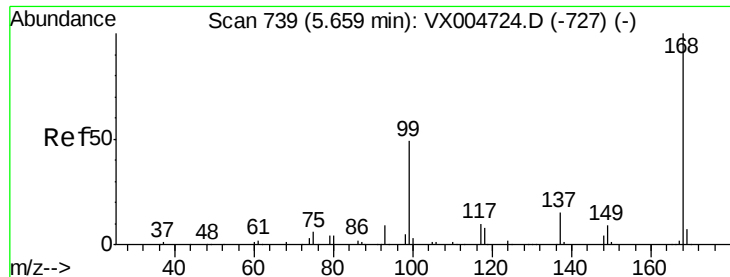
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	253641	52.684	ug/l	99
94) Hexachlorobutadiene	13.79	225	121375	48.618	ug/l	97
95) Naphthalene	13.83	128	831289	51.994	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	265946	53.474	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

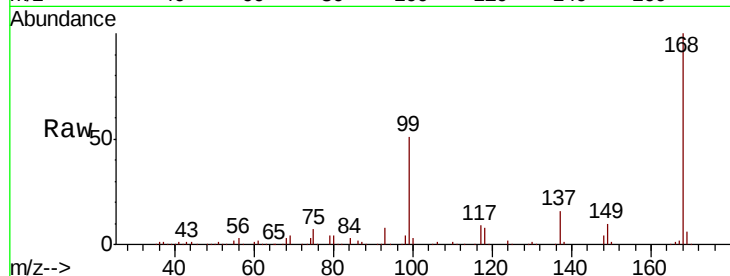
SA-TW502-0913MS

Tot Ion:168 Resp: 208130

Ion Ratio Lower Upper

168 100

99 51.4 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

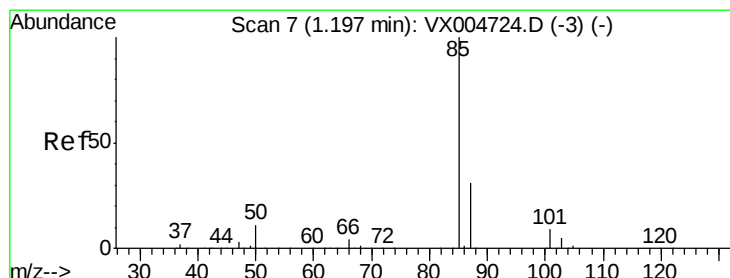
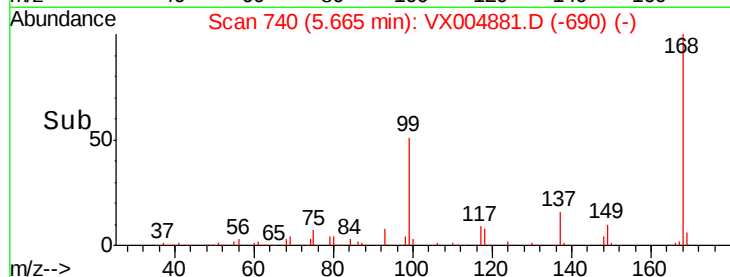
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 58.028 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004881.D

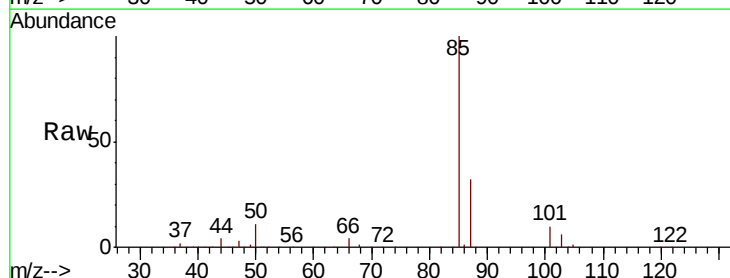
Acq: 01 Oct 2018 19:56

Tgt Ion: 85 Resp: 164672

Ion Ratio Lower Upper

85 100

87 32.2 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

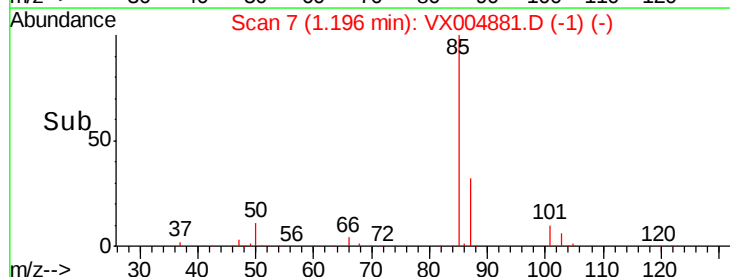
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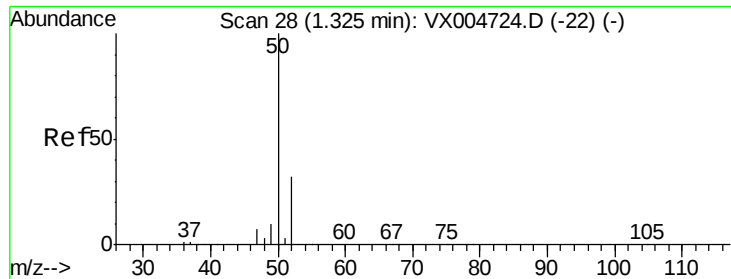
50000

0

1.20 1.30

Time-->





#3

Chloromethane

Concen: 53.737 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

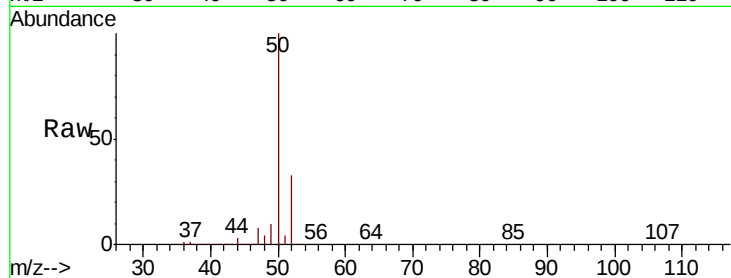
SA-TW502-0913MS

Tot Ion: 50 Resp: 185013

Ion Ratio Lower Upper

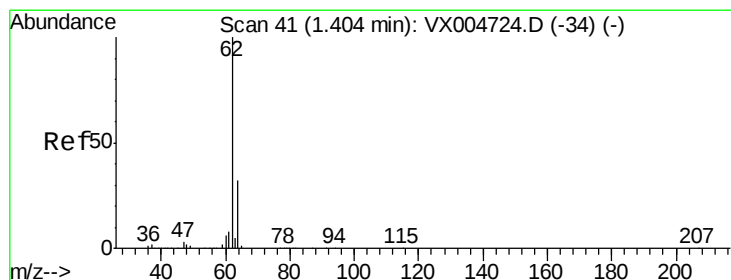
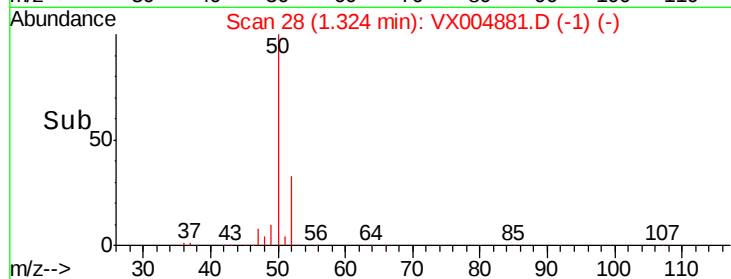
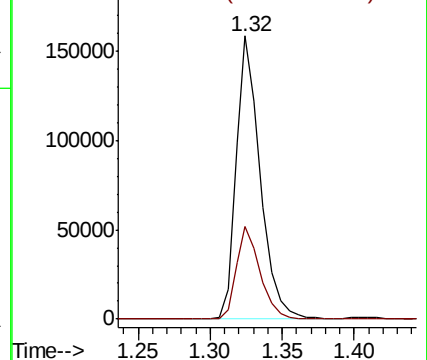
50 100

52 32.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 56.538 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004881.D

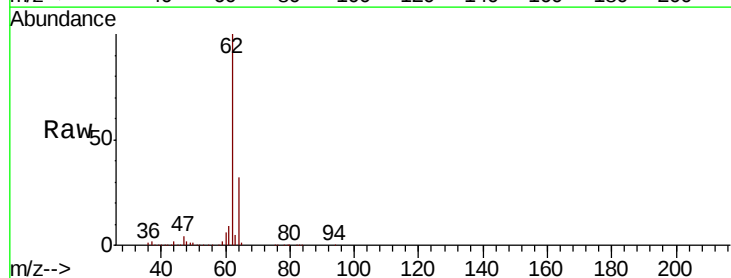
Acq: 01 Oct 2018 19:56

Tgt Ion: 62 Resp: 182568

Ion Ratio Lower Upper

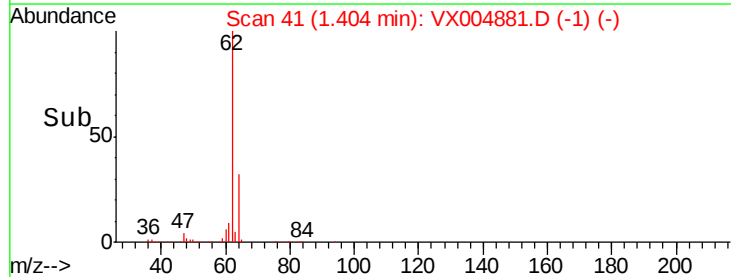
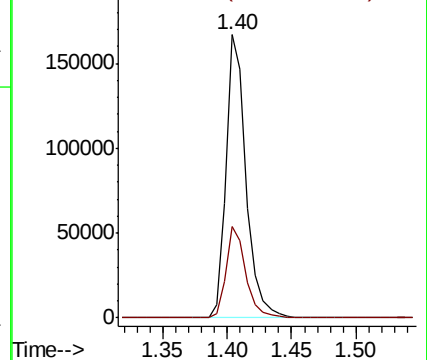
62 100

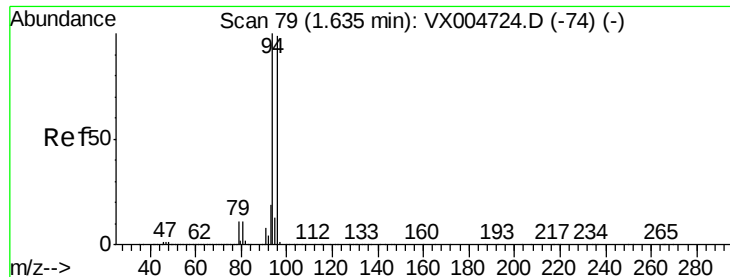
64 32.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 66.632 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

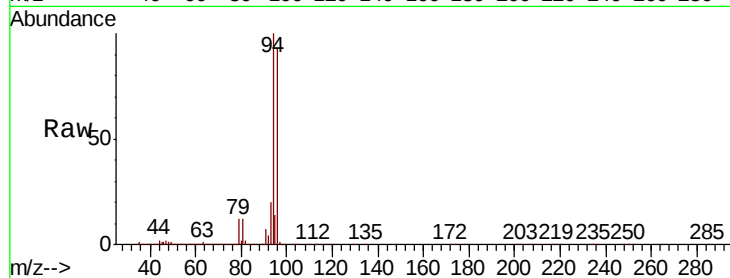
SA-TW502-0913MS

Tot Ion: 94 Resp: 127589

Ion Ratio Lower Upper

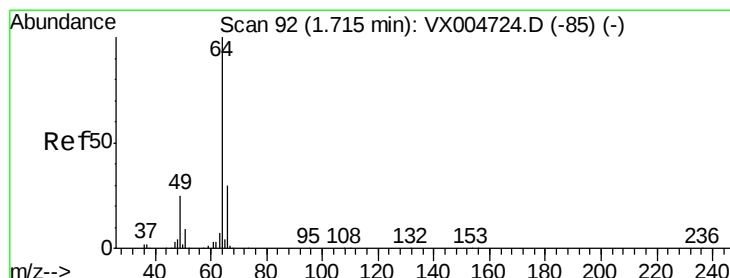
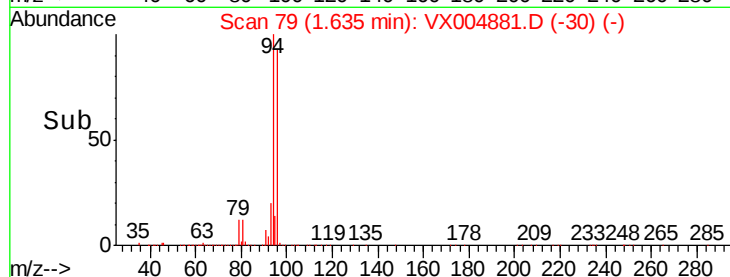
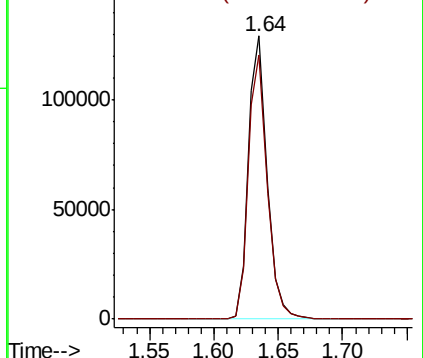
94 100

96 93.3 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: 63.989 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX004881.D

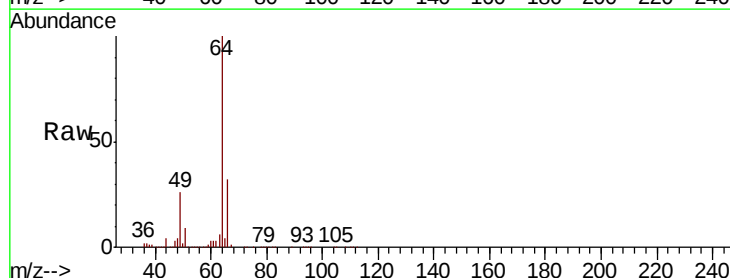
Acq: 01 Oct 2018 19:56

Tgt Ion: 64 Resp: 111461

Ion Ratio Lower Upper

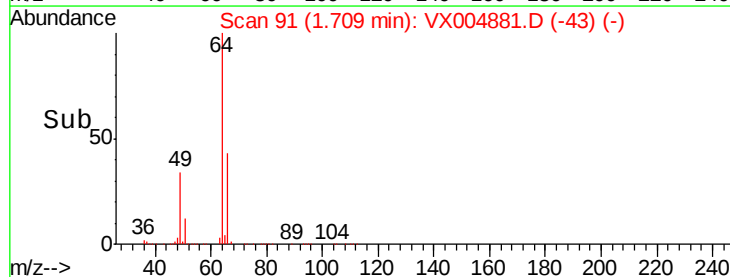
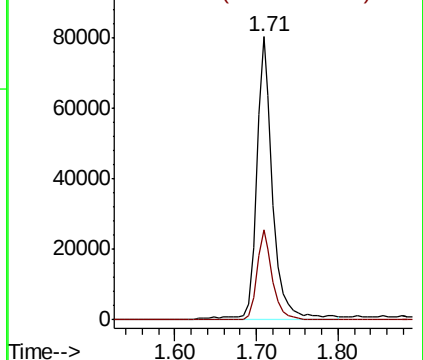
64 100

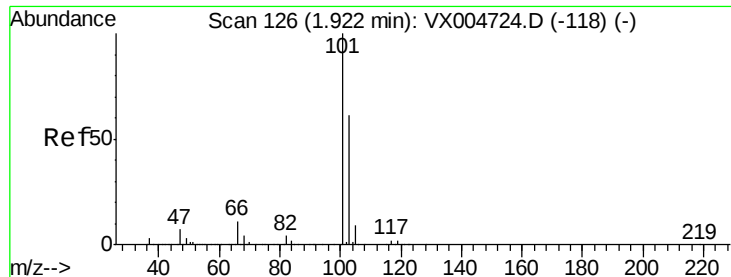
66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



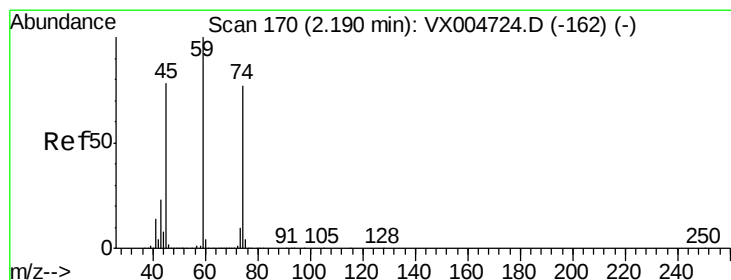
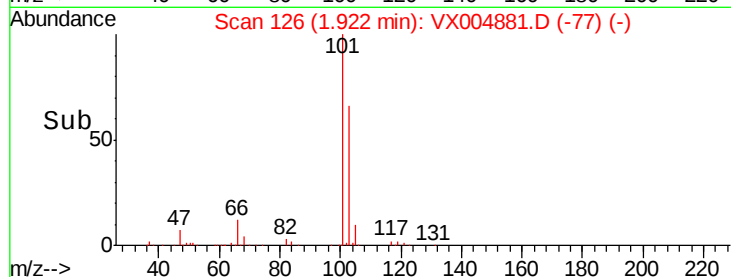
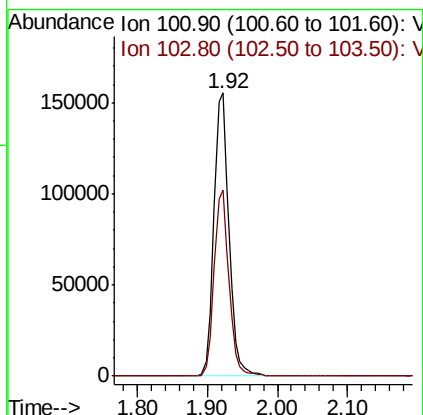
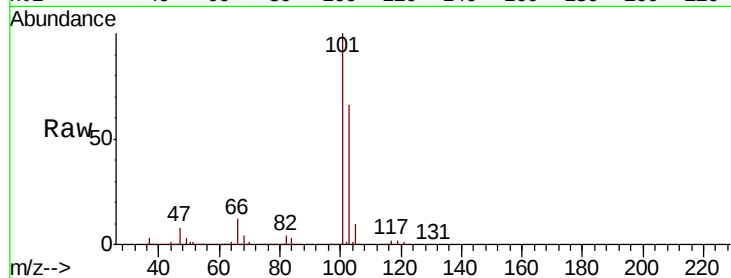


#7

Trichlorofluoromethane
Concen: 58.170 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
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SA-TW502-0913MS

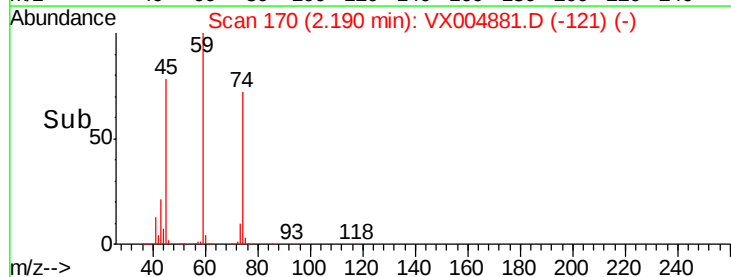
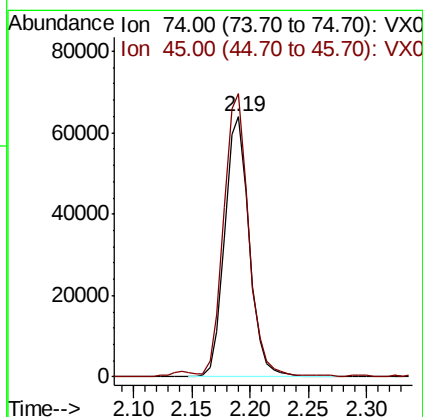
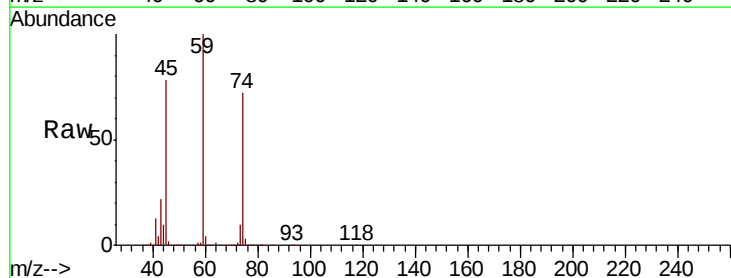
Tot Ion:101 Resp: 232542
Ion Ratio Lower Upper
101 100
103 65.8 48.9 73.3

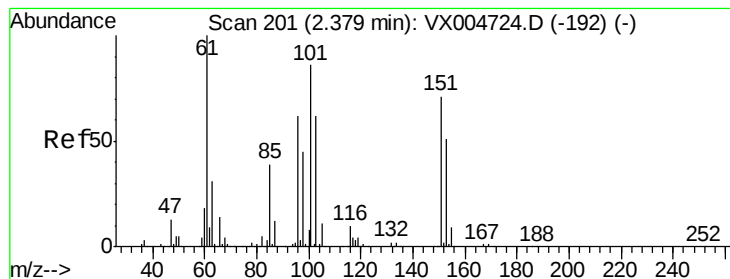


#8

Diethyl Ether
Concen: 53.926 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion: 74 Resp: 93653
Ion Ratio Lower Upper
74 100
45 109.6 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.389 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

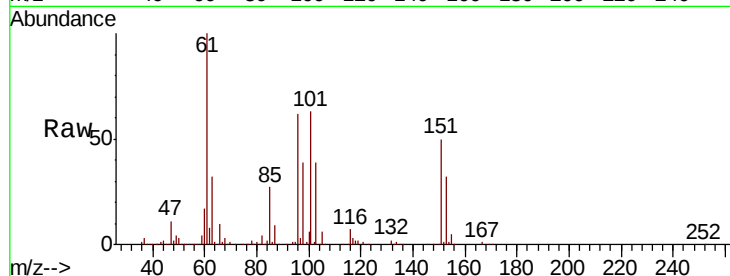
Tot Ion:101 Resp: 128406

Ion Ratio Lower Upper

101 100

85 43.6 34.2 51.4

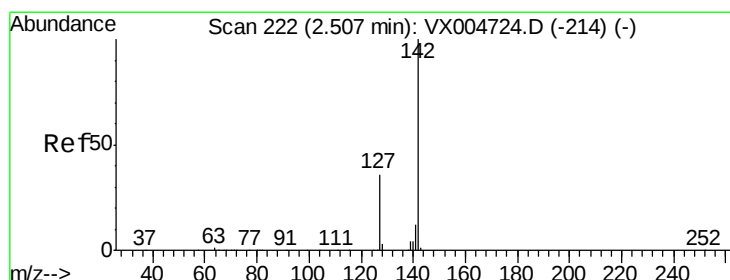
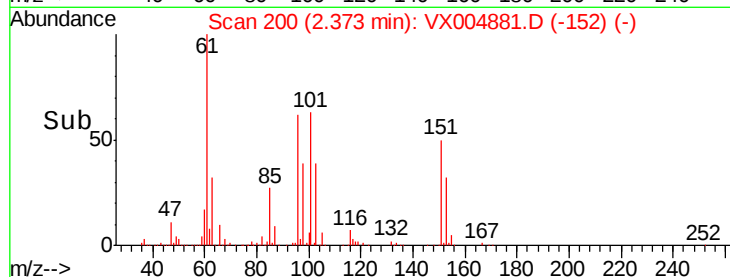
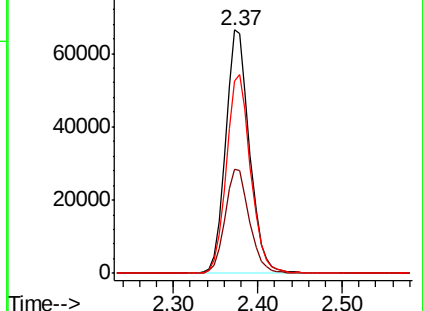
151 82.8 65.0 97.6



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: 44.109 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

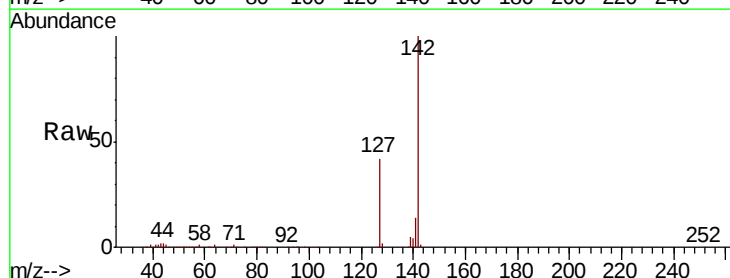
Tgt Ion:142 Resp: 134408

Ion Ratio Lower Upper

142 100

127 43.2 33.8 50.6

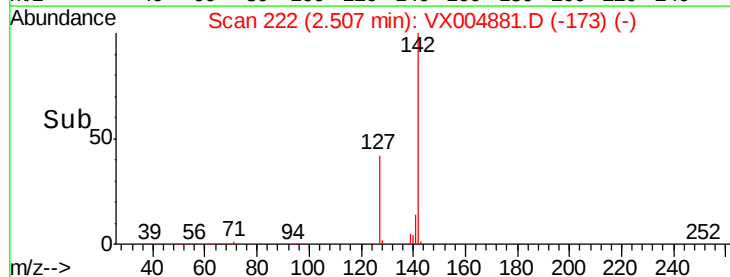
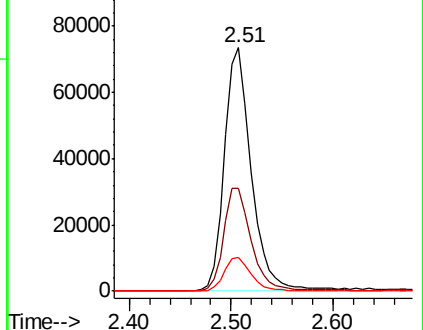
141 14.1 11.4 17.0

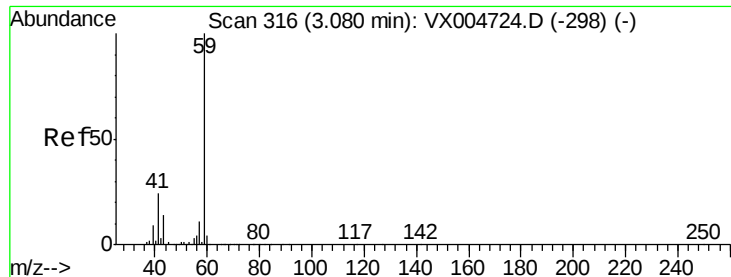


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



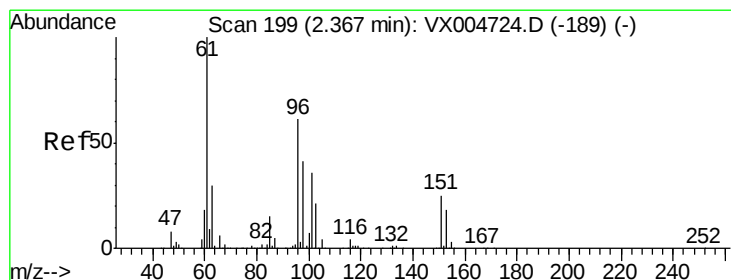
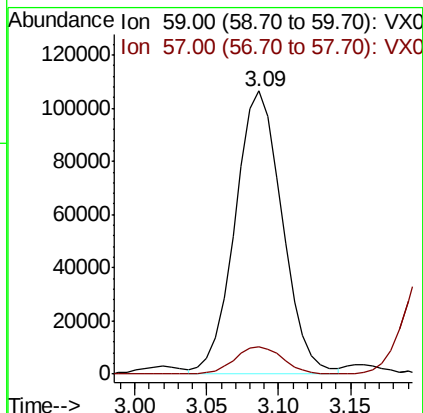
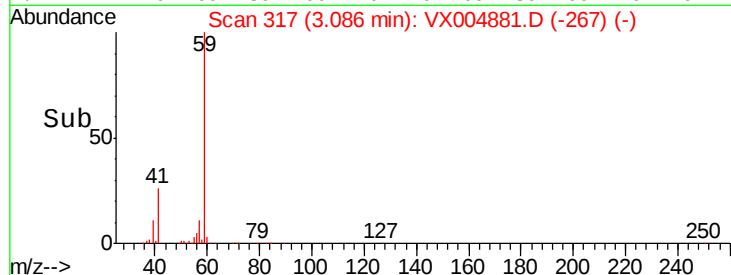
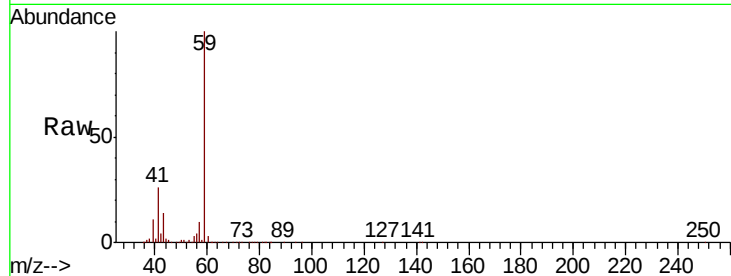


#11

Tert butyl alcohol
Concen: 291.413 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

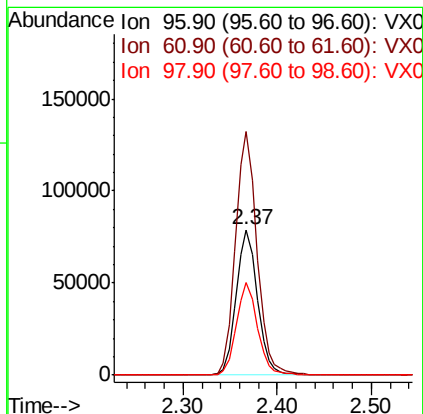
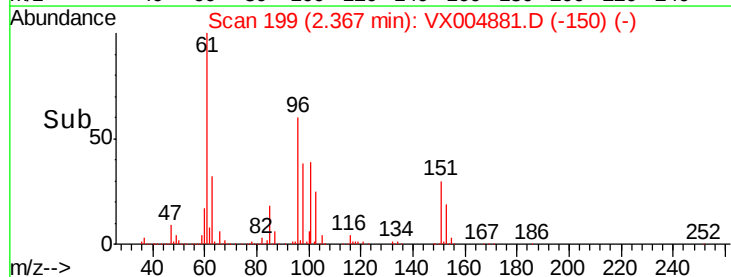
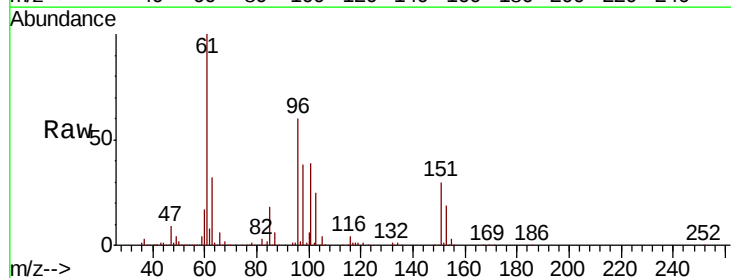
Tot Ion: 59 Resp: 242257
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

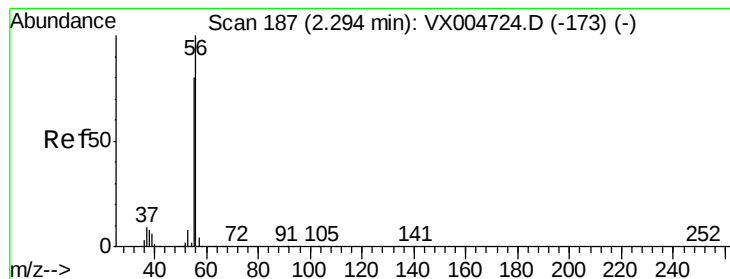


#12

1,1-Dichloroethene
Concen: 55.264 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion: 96 Resp: 124629
Ion Ratio Lower Upper
96 100
61 167.2 128.8 193.2
98 63.7 52.2 78.2





#13

Acrolein

Concen: 178.513 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

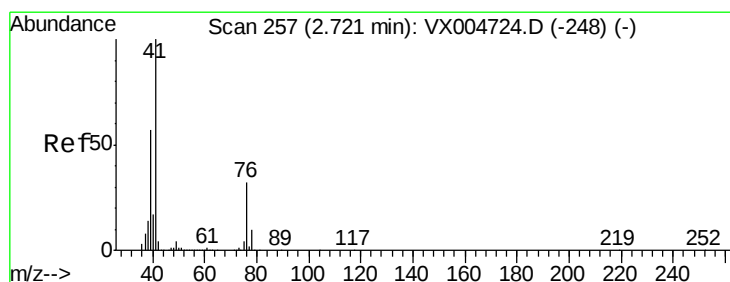
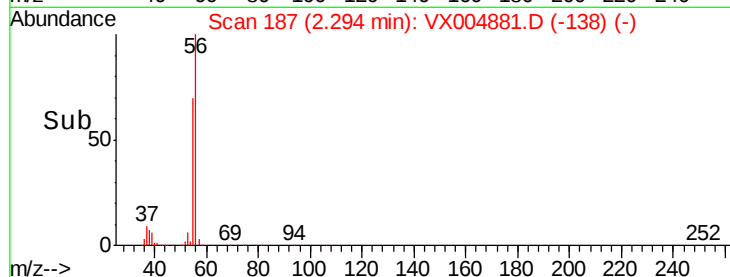
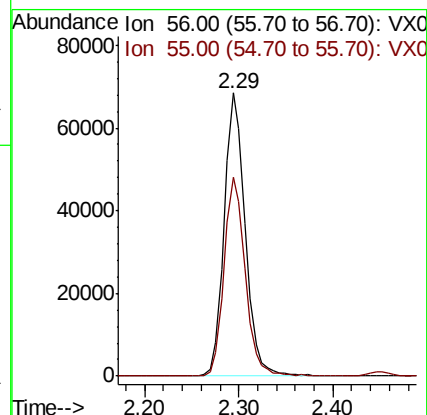
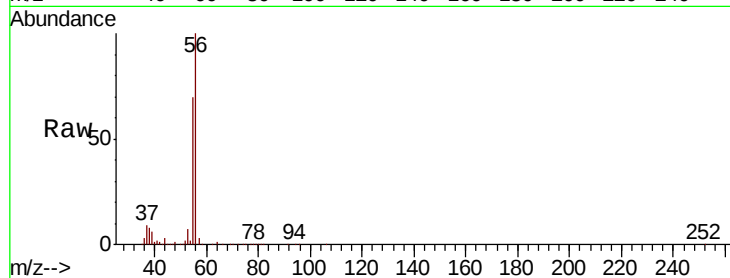
SA-TW502-0913MS

Tot Ion: 56 Resp: 105587

Ion Ratio Lower Upper

56 100

55 70.8 54.7 82.1



#14

Allyl chloride

Concen: 57.546 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

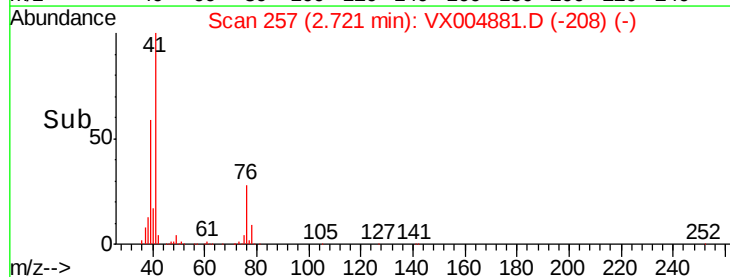
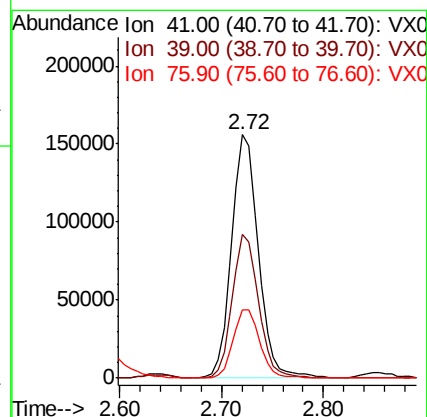
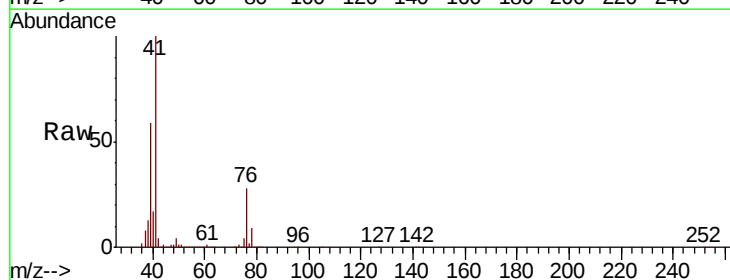
Tgt Ion: 41 Resp: 283160

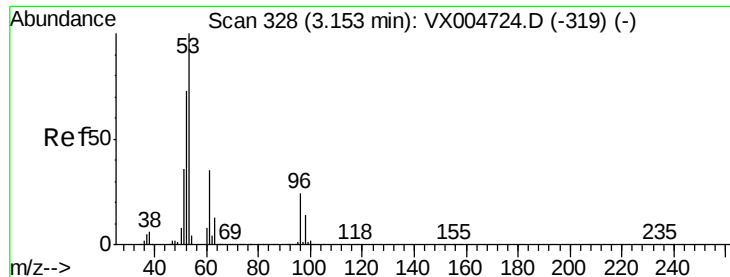
Ion Ratio Lower Upper

41 100

39 57.5 48.9 73.3

76 28.0 26.7 40.1





#15

Acrylonitrile

Concen: 291.499 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

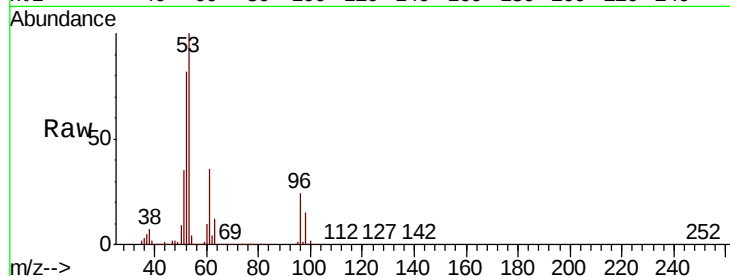
Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion: 53 Resp: 533456

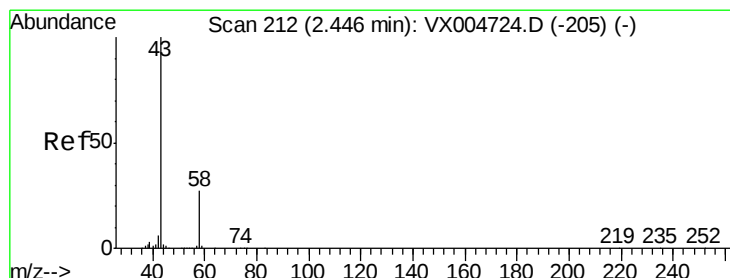
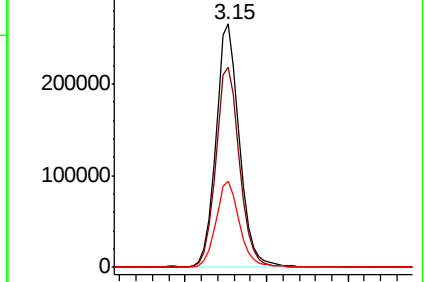
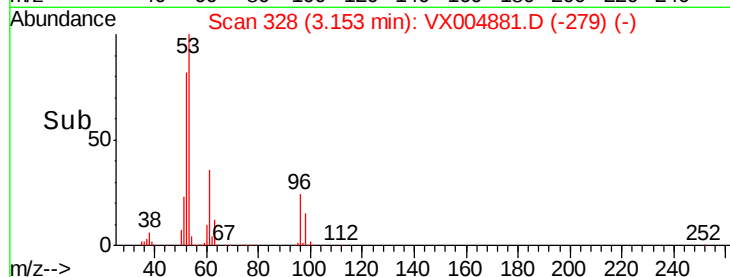
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.2	97.8
51	35.6	28.2	42.2



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: 272.108 ug/l

RT: 2.45 min Scan# 213

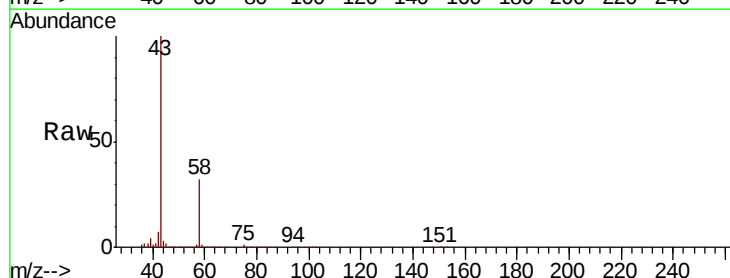
Delta R.T. 0.01 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

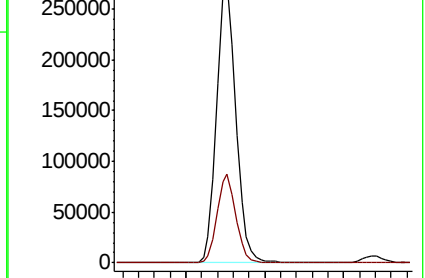
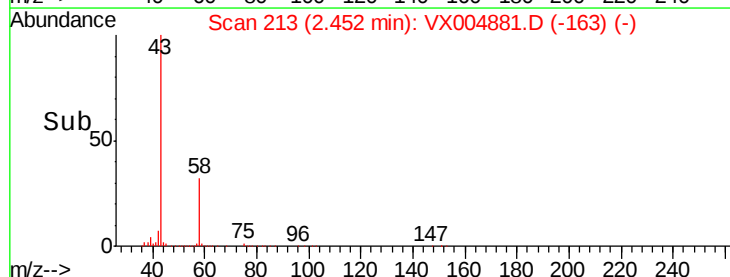
Tgt Ion: 43 Resp: 472318

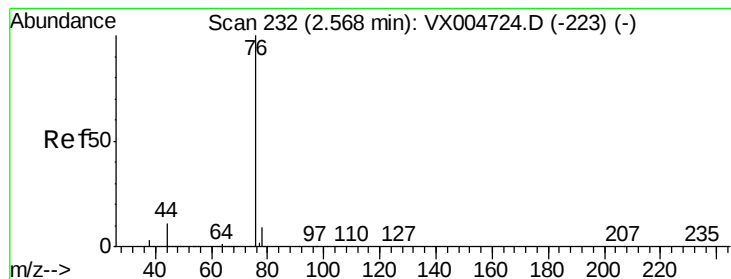
Ion	Ratio	Lower	Upper
43	100		
58	31.6	26.2	39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 52.703 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

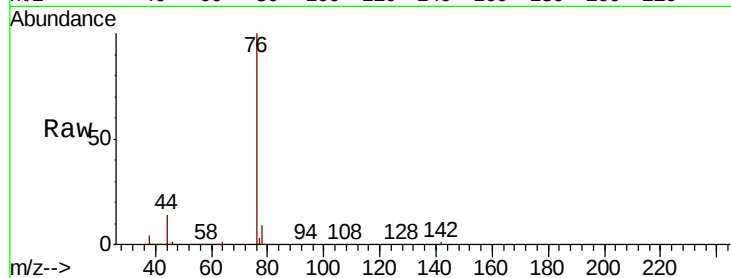
SA-TW502-0913MS

Tot Ion: 76 Resp: 357138

Ion Ratio Lower Upper

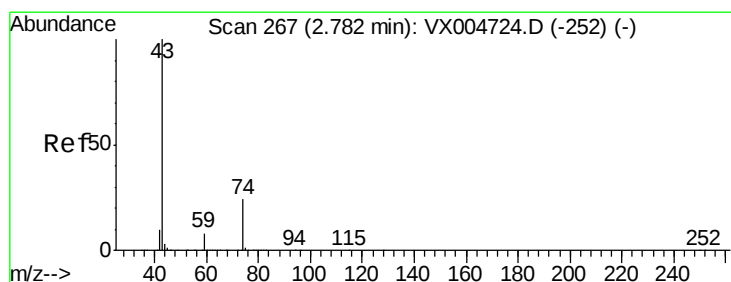
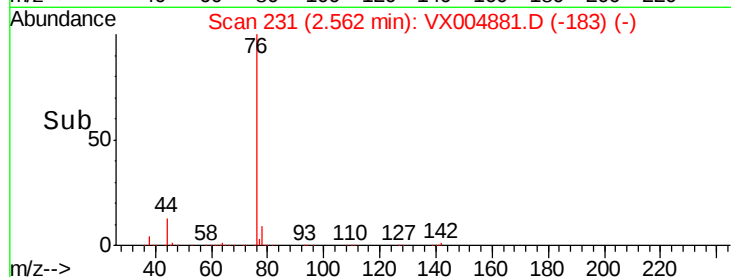
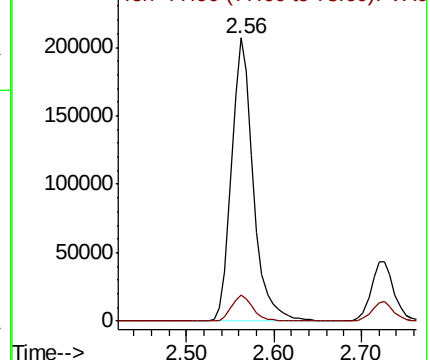
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 60.558 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX004881.D

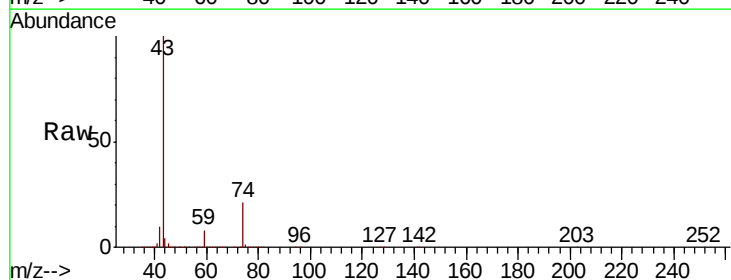
Acq: 01 Oct 2018 19:56

Tgt Ion: 43 Resp: 266321

Ion Ratio Lower Upper

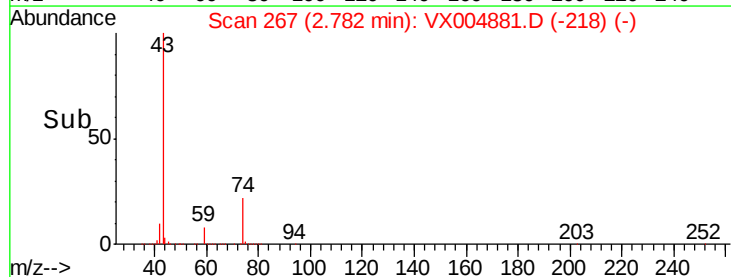
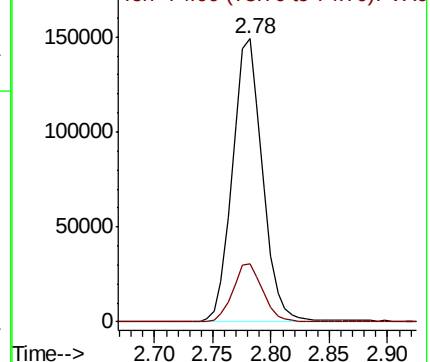
43 100

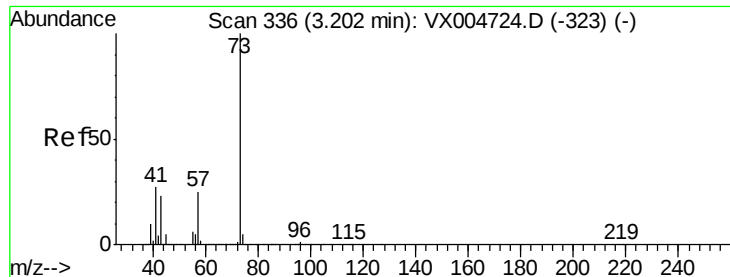
74 20.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



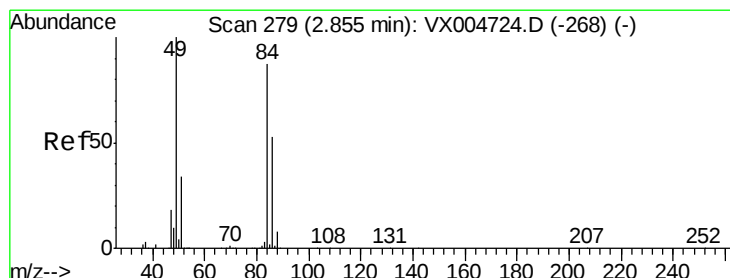
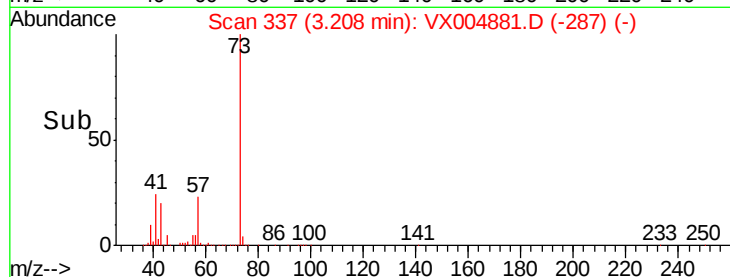
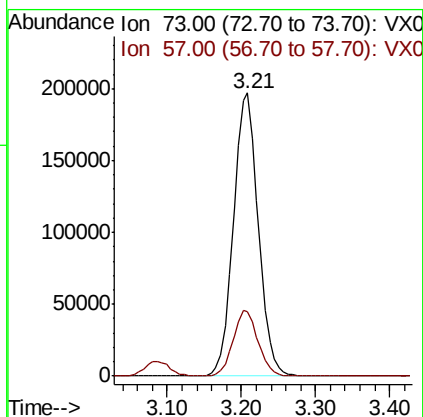
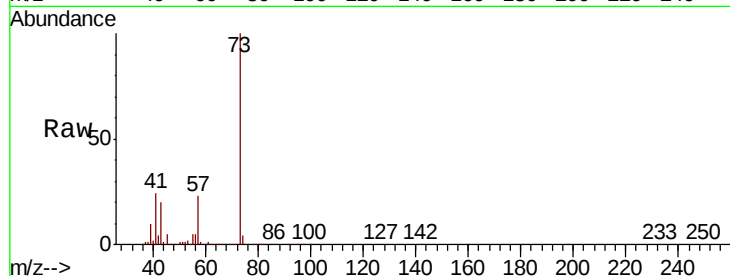


#19

Methyl tert-butyl Ether
 Concen: 59.139 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

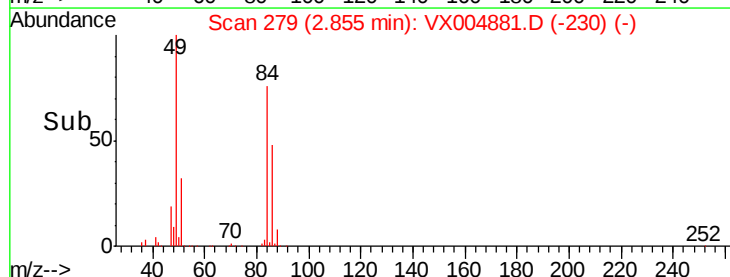
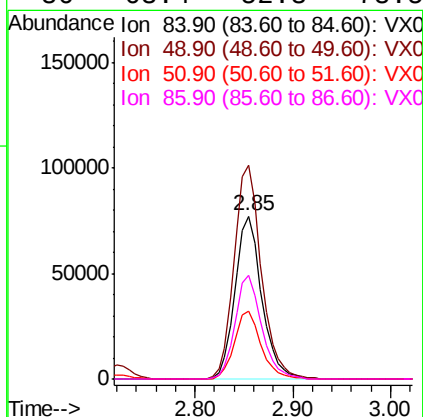
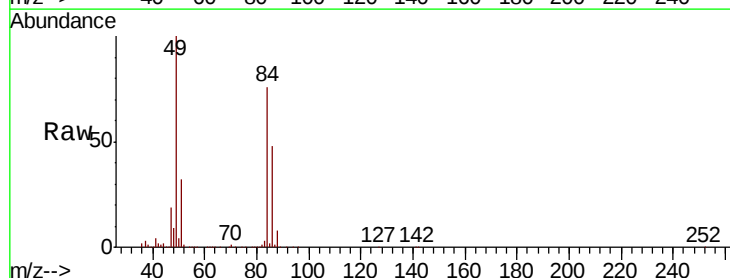
Tot Ion: 73 Resp: 460028
 Ion Ratio Lower Upper
 73 100
 57 22.7 17.1 25.7

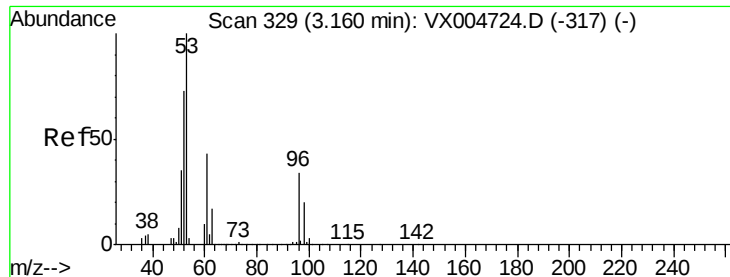


#20

Methylene Chloride
 Concen: 58.326 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion: 84 Resp: 146846
 Ion Ratio Lower Upper
 84 100
 49 130.9 101.2 151.8
 51 41.3 29.5 44.3
 86 63.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 54.263 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

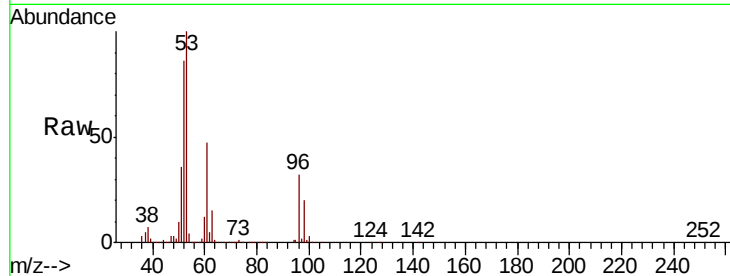
Tot Ion: 96 Resp: 133958

Ion Ratio Lower Upper

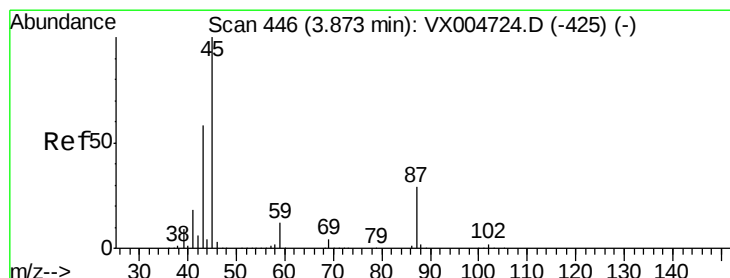
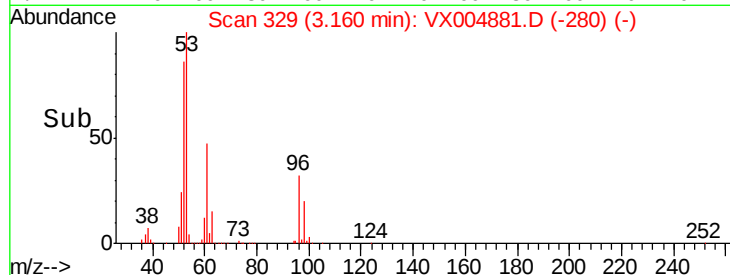
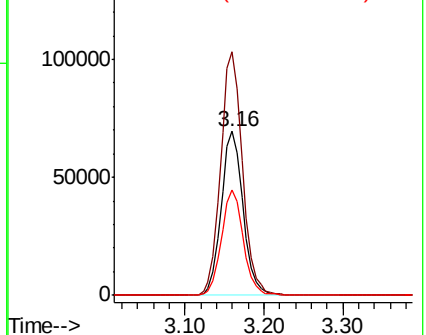
96 100

61 148.5 113.8 170.6

98 64.4 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: 57.372 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Tgt Ion: 45 Resp: 475373

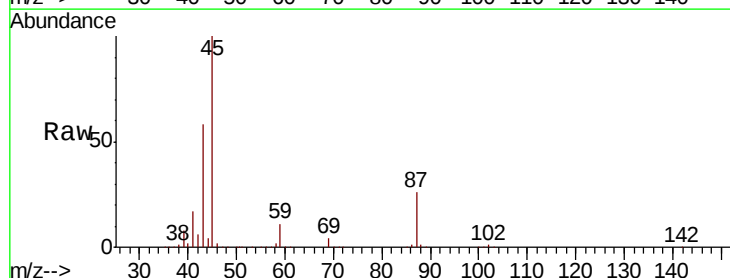
Ion Ratio Lower Upper

45 100

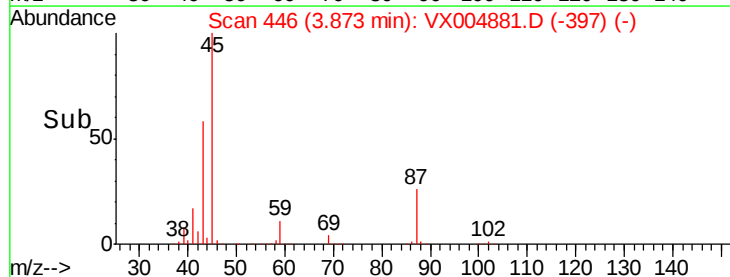
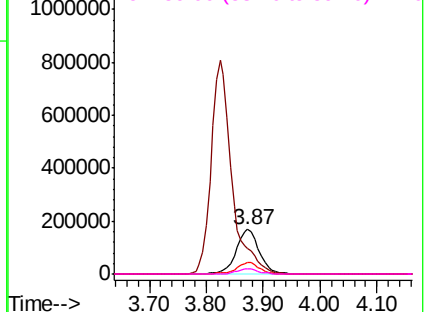
43 57.2 42.8 64.2

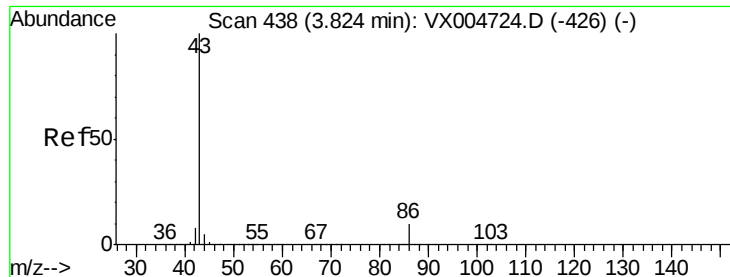
87 26.2 22.6 34.0

59 10.9 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: 269.041 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

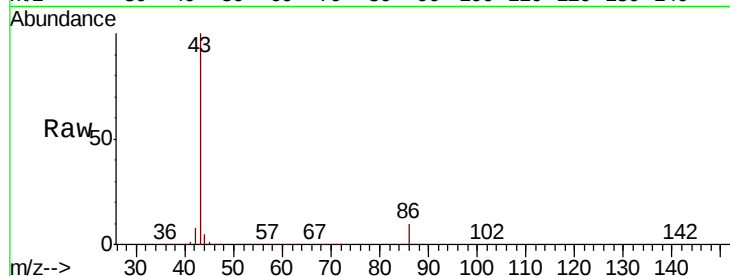
SA-TW502-0913MS

Tot Ion: 43 Resp: 2040537

Ion Ratio Lower Upper

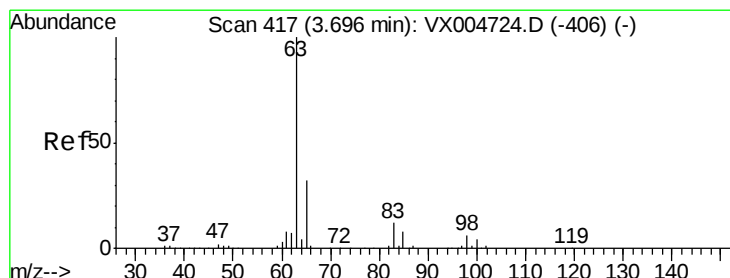
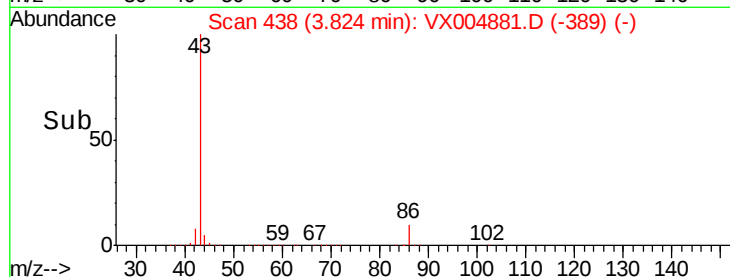
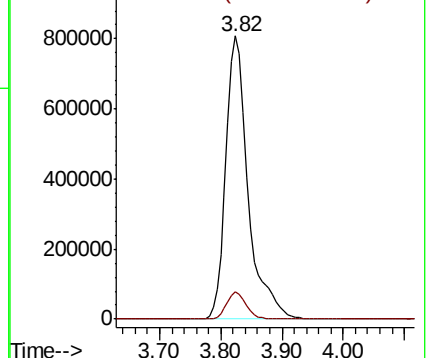
43 100

86 9.7 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: 52.694 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

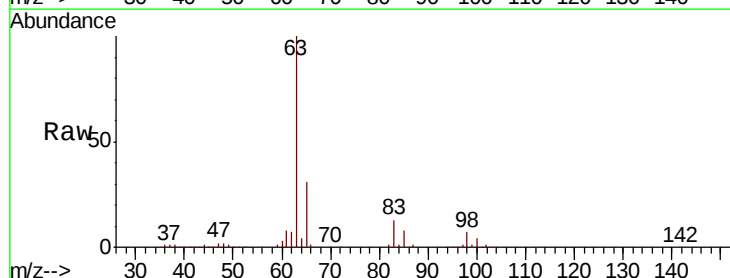
Tgt Ion: 63 Resp: 260443

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

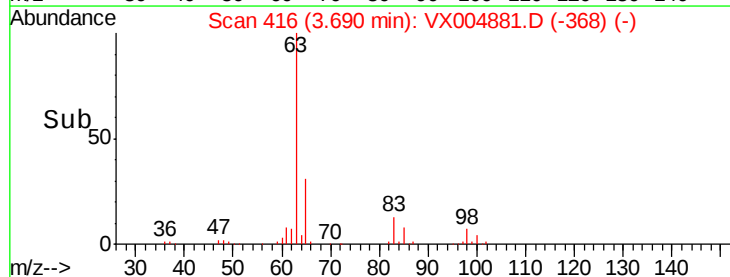
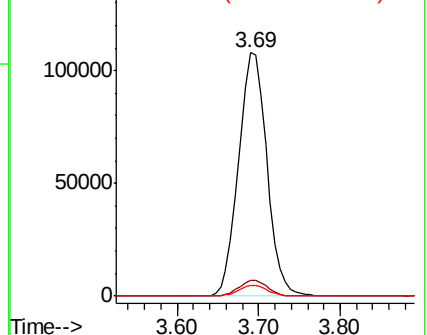
100 4.2 2.4 7.1

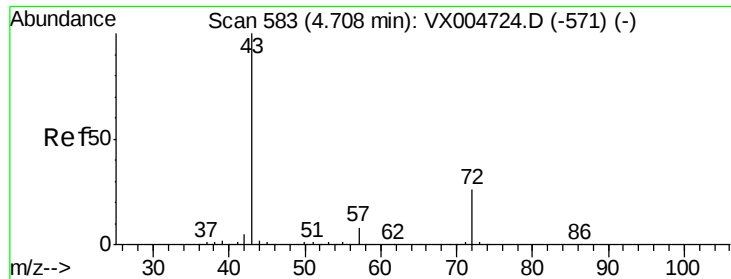


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 280.924 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

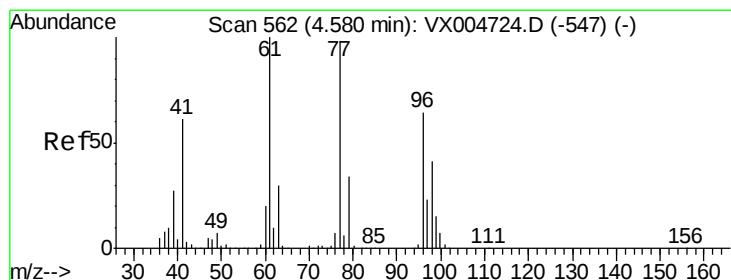
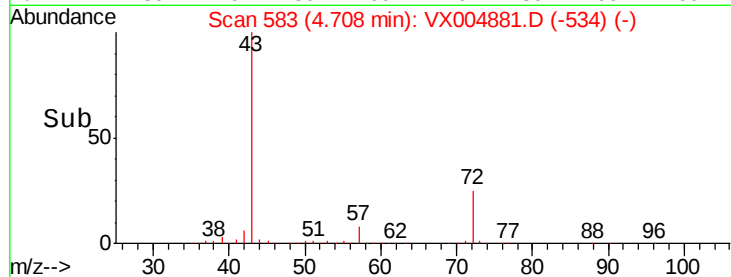
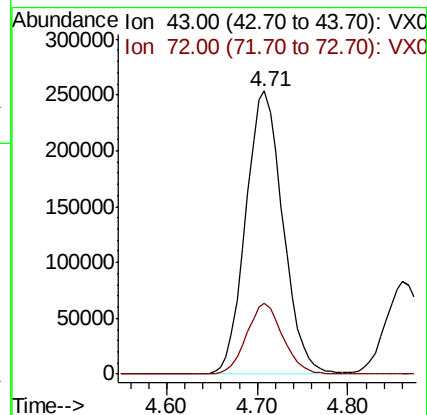
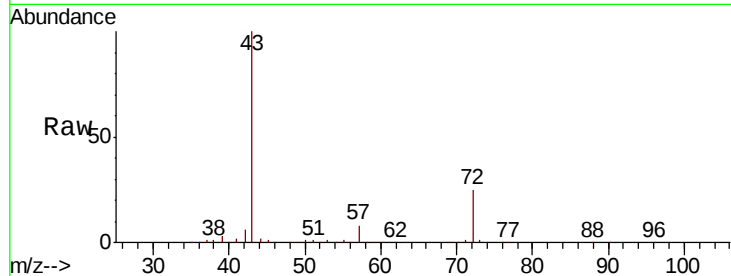
SA-TW502-0913MS

Tot Ion: 43 Resp: 718769

Ion Ratio Lower Upper

43 100

72 25.0 22.0 33.0



#26

2,2-Dichloropropane

Concen: 49.776 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004881.D

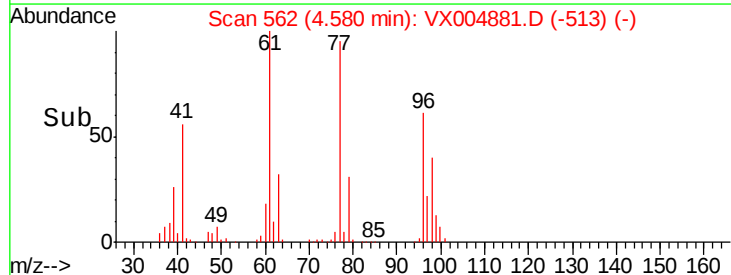
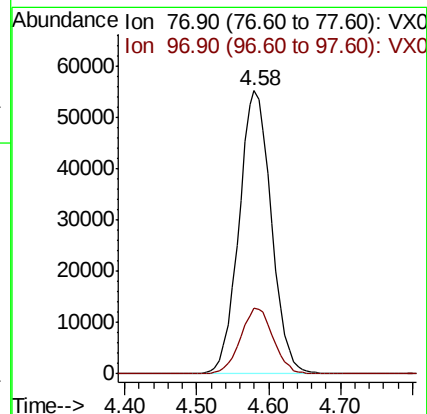
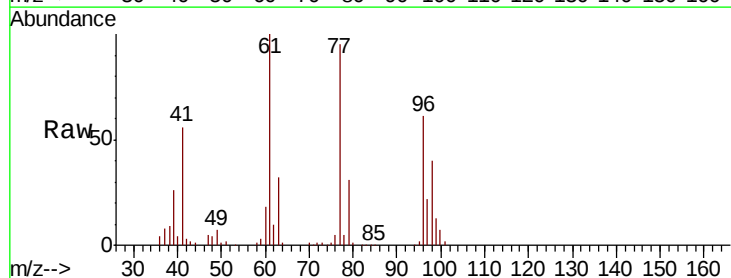
Acq: 01 Oct 2018 19:56

Tgt Ion: 77 Resp: 171319

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0



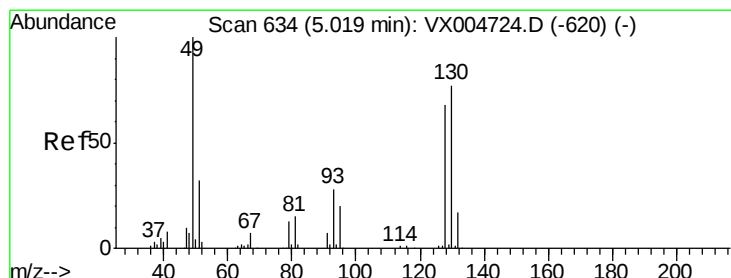
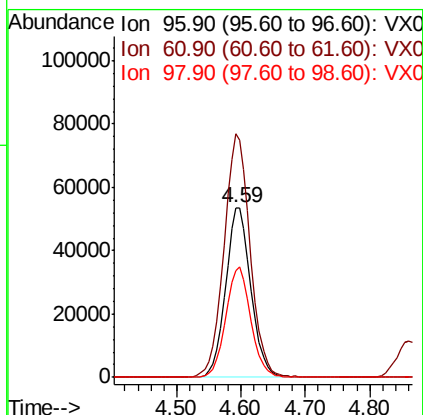
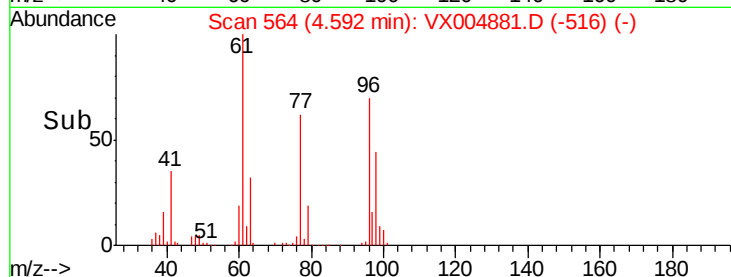
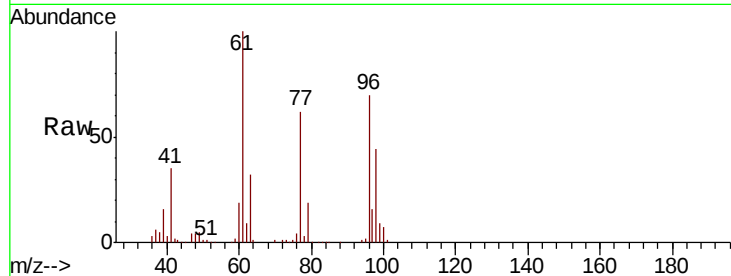


#27

cis-1,2-Dichloroethene
Concen: 53.391 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

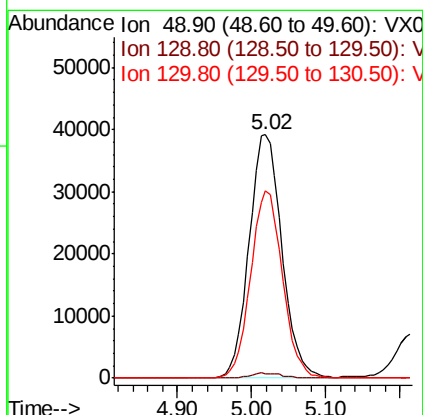
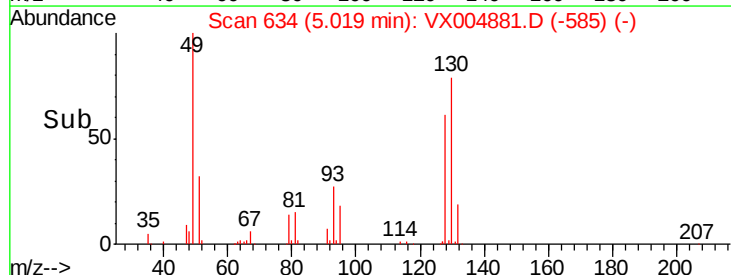
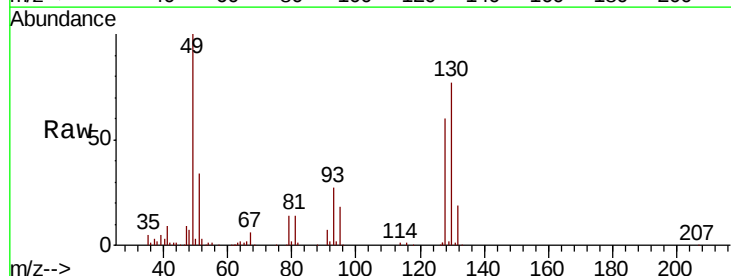
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	282.6
98	64.5	0.0	130.2

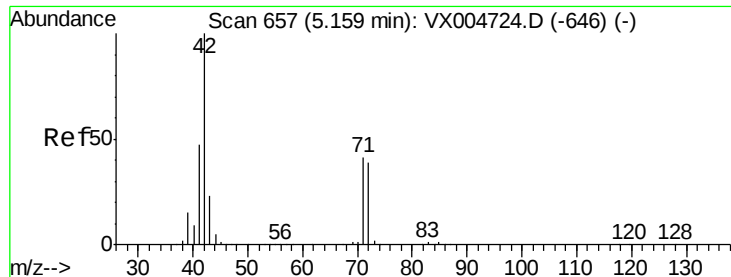


#28

Bromochloromethane
Concen: 52.095 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	74.6	67.5	101.3





#29

Tetrahydrofuran

Concen: 296.640 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

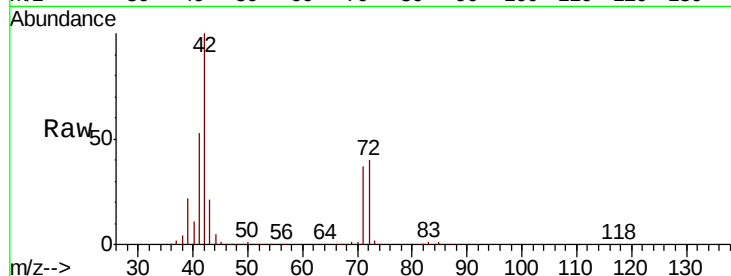
Tot Ion: 42 Resp: 471732

Ion Ratio Lower Upper

42 100

72 40.9 37.4 56.0

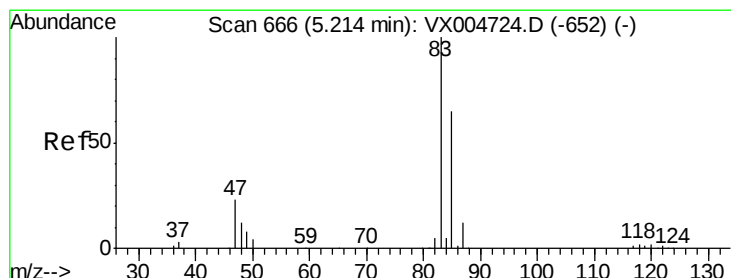
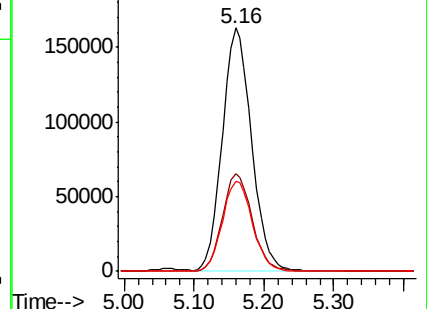
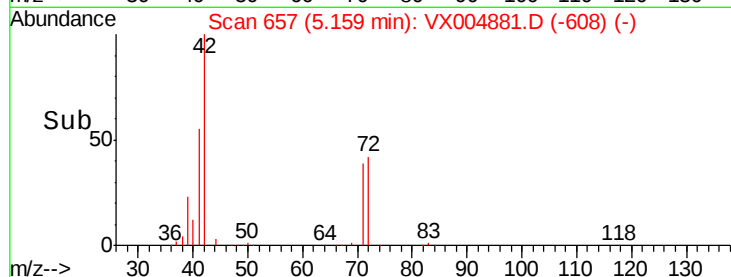
71 38.1 34.5 51.7



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: 54.260 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX004881.D

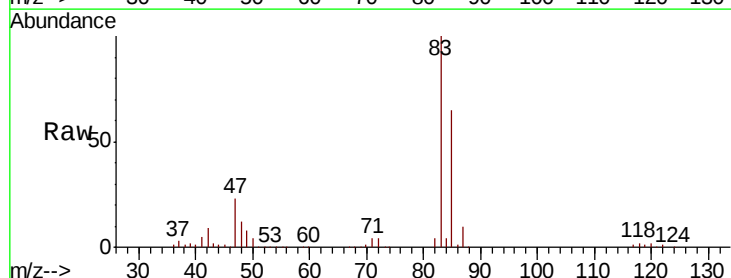
Acq: 01 Oct 2018 19:56

Tgt Ion: 83 Resp: 253462

Ion Ratio Lower Upper

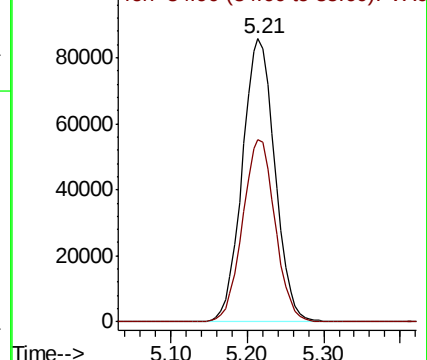
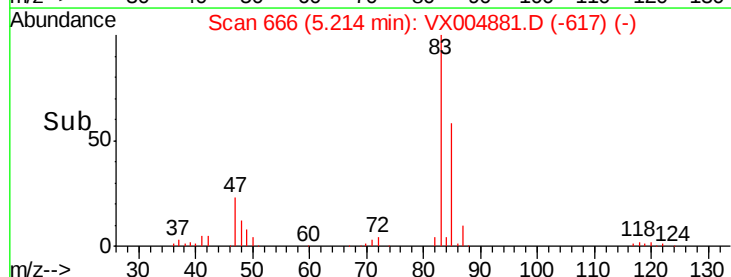
83 100

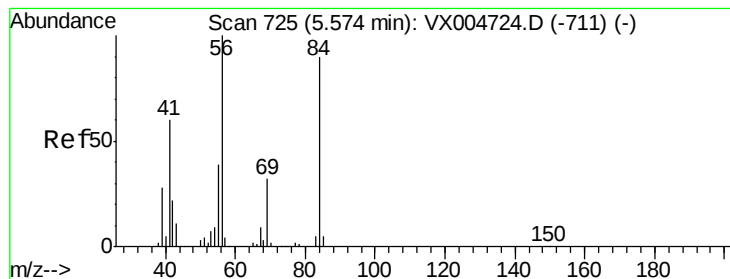
85 64.6 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 58.314 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

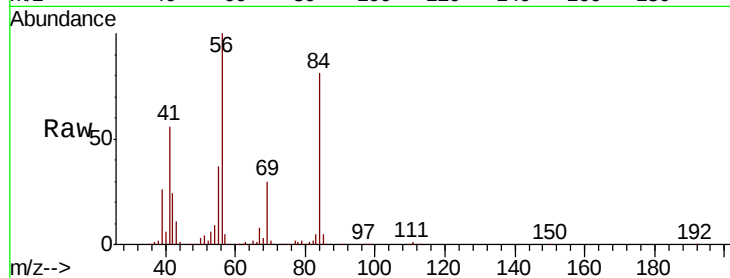
Tot Ion: 56 Resp: 220597

Ion Ratio Lower Upper

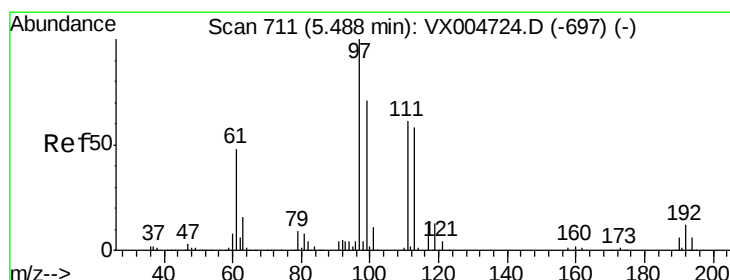
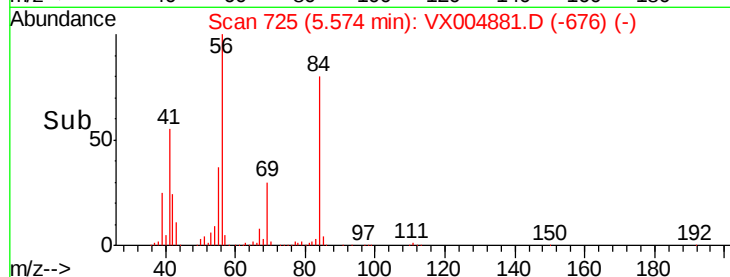
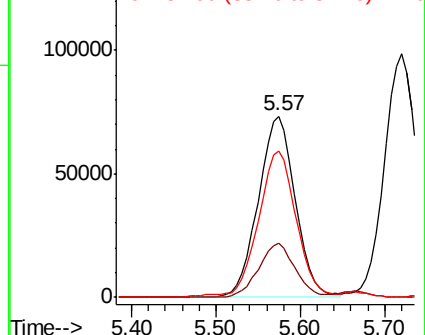
56 100

69 29.6 25.4 38.2

84 79.9 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: 56.405 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

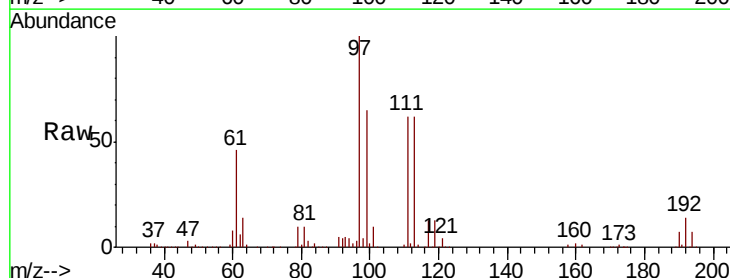
Tgt Ion: 97 Resp: 215177

Ion Ratio Lower Upper

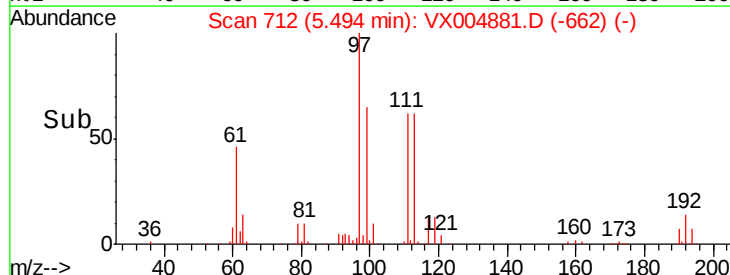
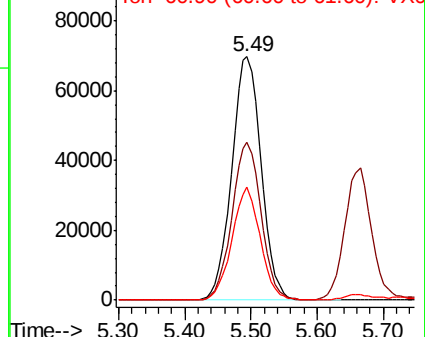
97 100

99 64.1 52.0 78.0

61 44.7 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: 54.538 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

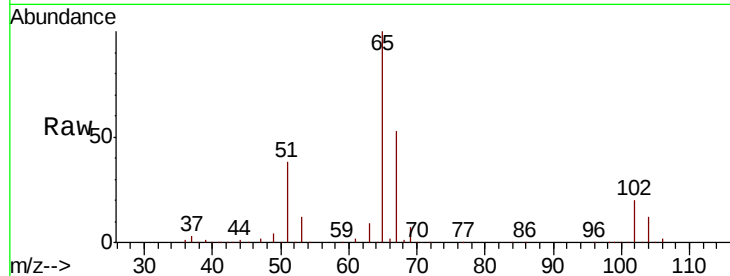
SA-TW502-0913MS

Tot Ion: 65 Resp: 162150

Ion Ratio Lower Upper

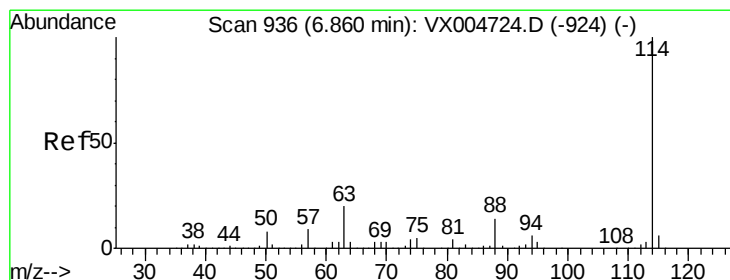
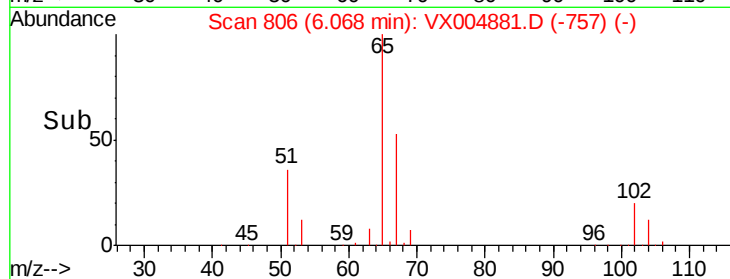
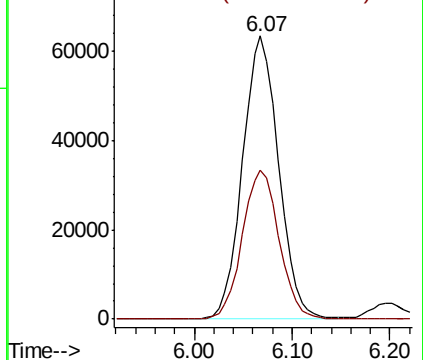
65 100

67 53.7 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: VX004881.D

Acq: 01 Oct 2018 19:56

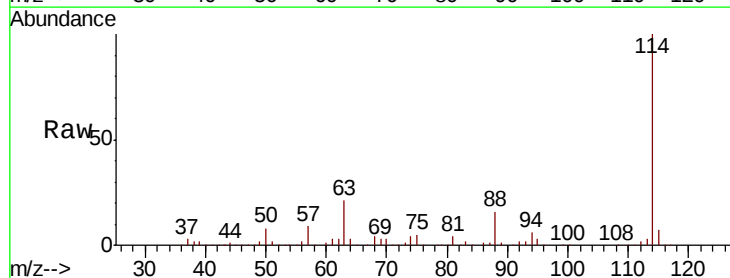
Tgt Ion: 114 Resp: 318368

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.0

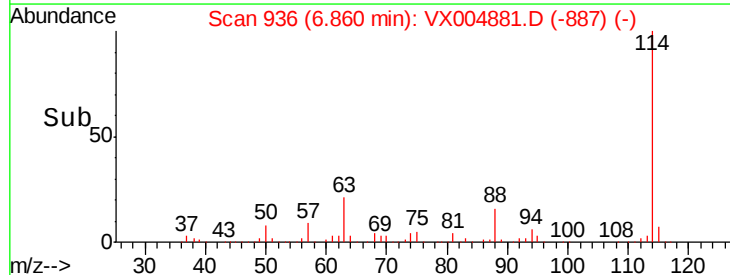
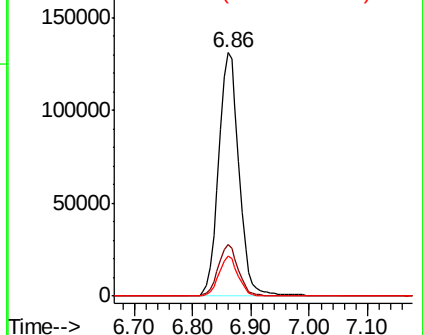
88 16.3 0.0 30.4

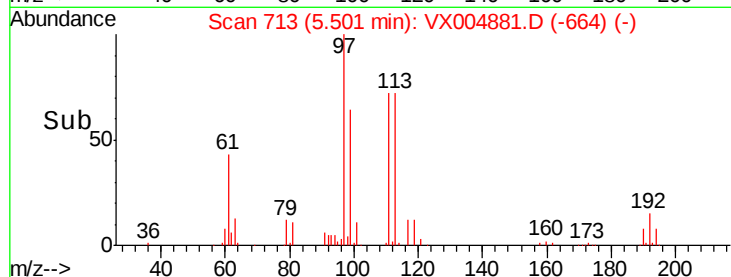
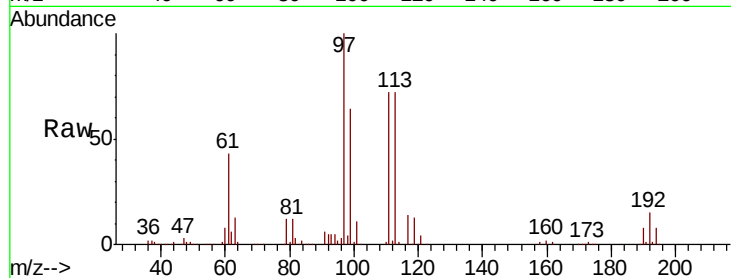


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.398 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

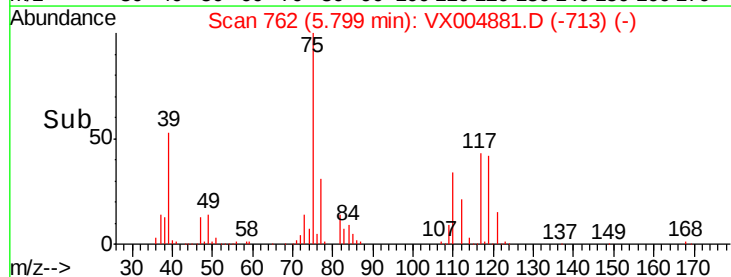
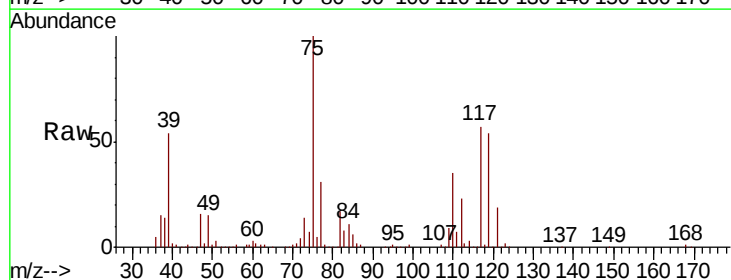
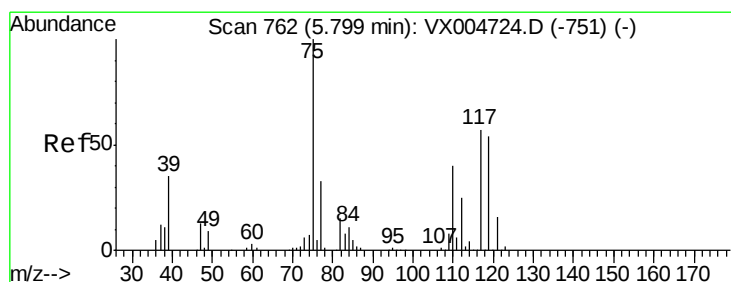
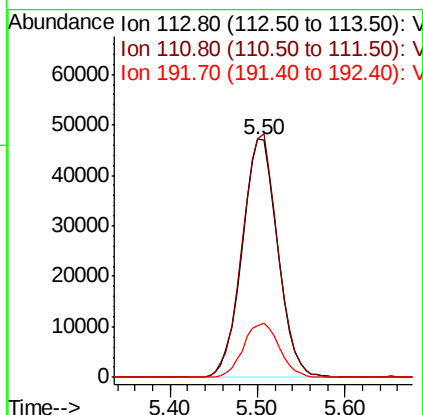
Tot Ion:113 Resp: 133285

Ion Ratio Lower Upper

113 100

111 101.5 82.4 123.6

192 23.2 19.4 29.2



#36

1,1-Dichloropropene

Concen: 49.044 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

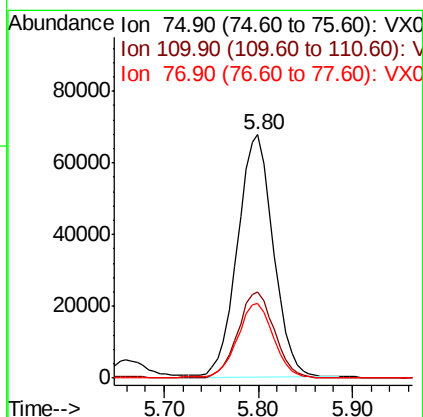
Tgt Ion: 75 Resp: 180550

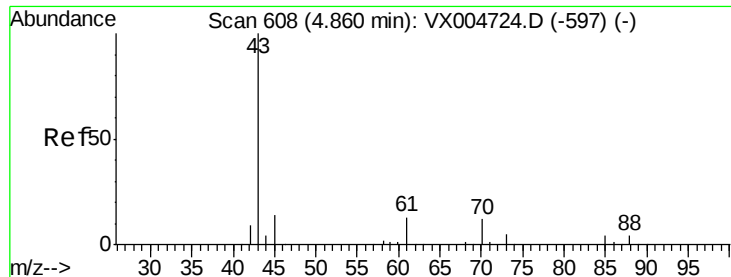
Ion Ratio Lower Upper

75 100

110 36.0 18.0 54.0

77 31.5 24.6 36.8





#37

Ethyl Acetate

Concen: 49.458 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

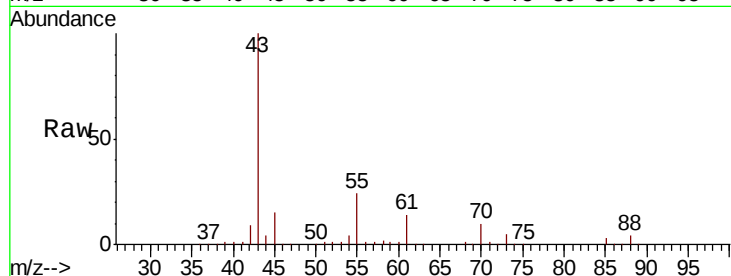
Tot Ion: 43 Resp: 241682

Ion Ratio Lower Upper

43 100

61 14.0 11.5 17.3

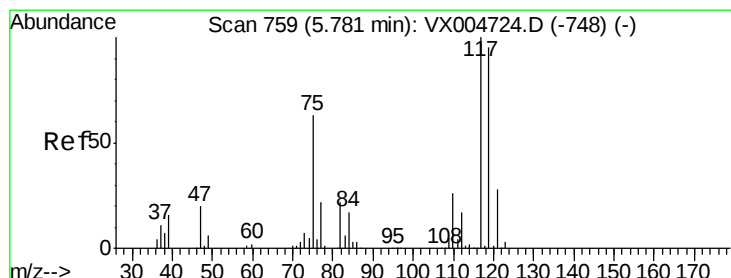
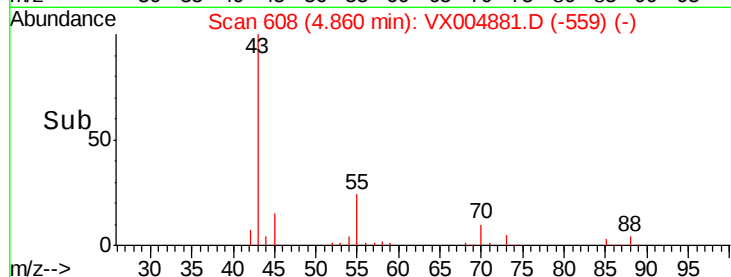
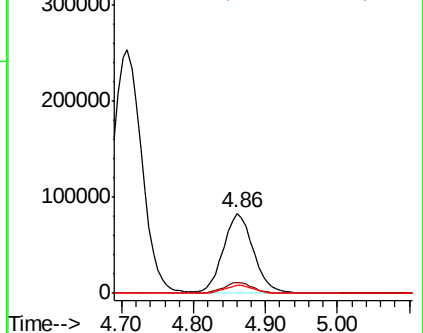
70 9.8 9.0 13.6



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: 48.460 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

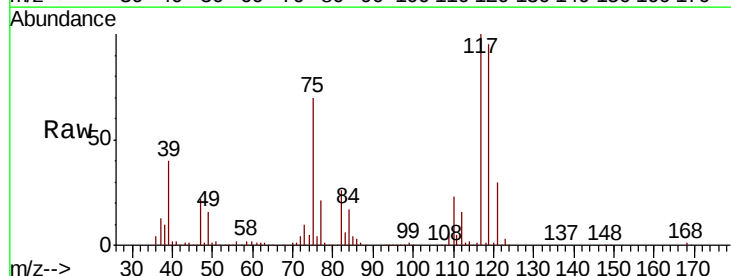
Tgt Ion: 117 Resp: 187529

Ion Ratio Lower Upper

117 100

119 95.0 78.8 118.2

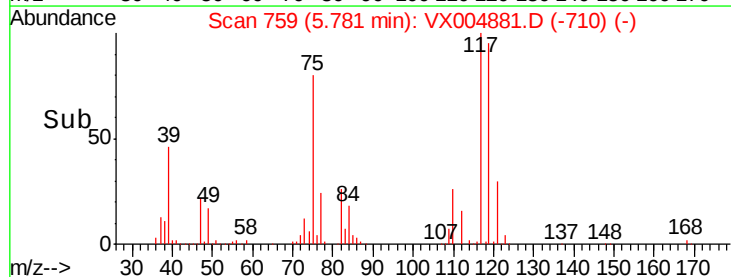
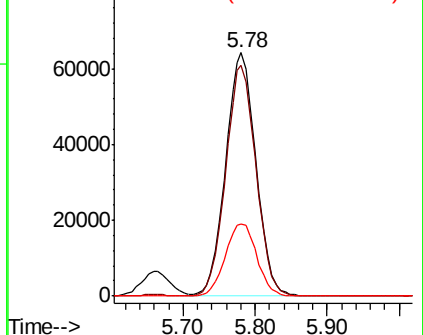
121 29.8 24.9 37.3

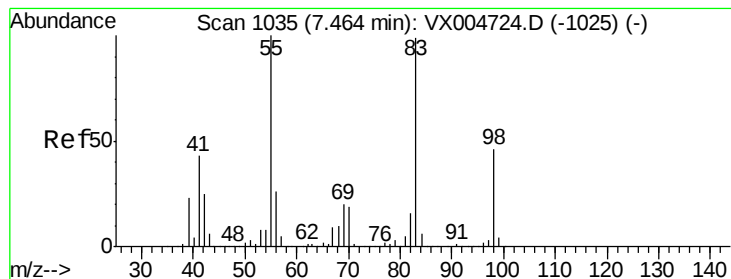


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 55.728 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

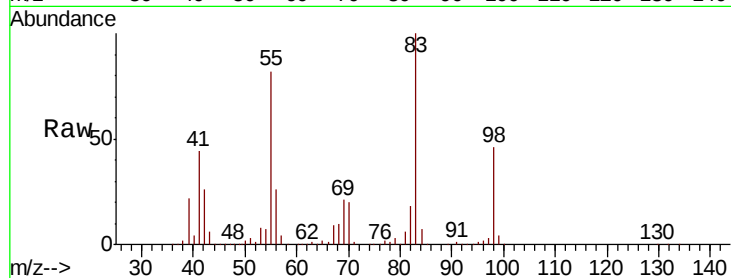
Tot Ion: 83 Resp: 209484

Ion Ratio Lower Upper

83 100

55 82.0 61.0 91.4

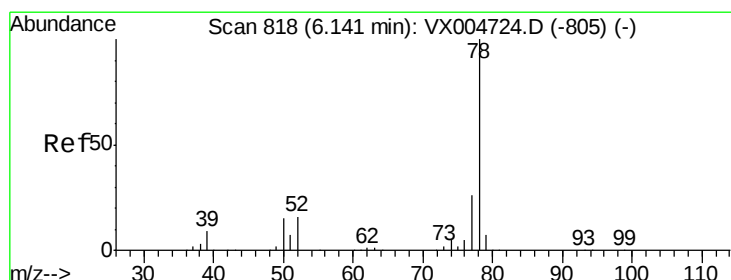
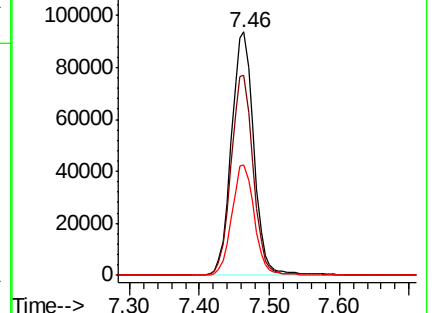
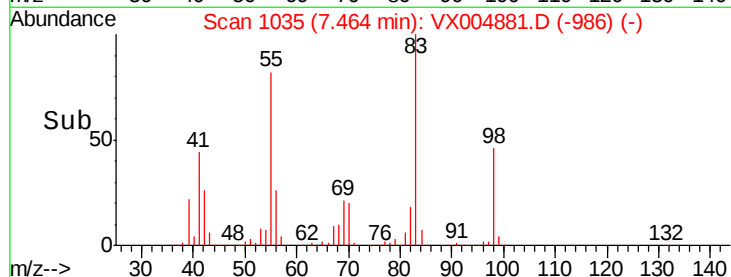
98 45.6 39.6 59.4



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: 48.902 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX004881.D

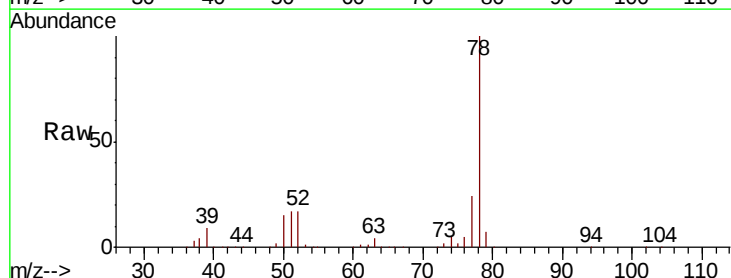
Acq: 01 Oct 2018 19:56

Tgt Ion: 78 Resp: 563609

Ion Ratio Lower Upper

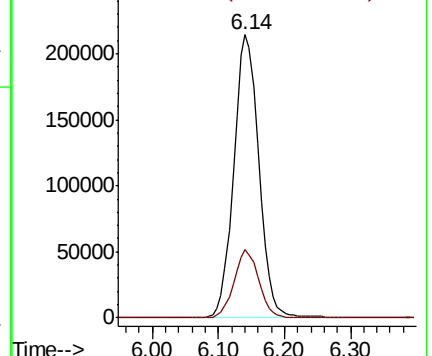
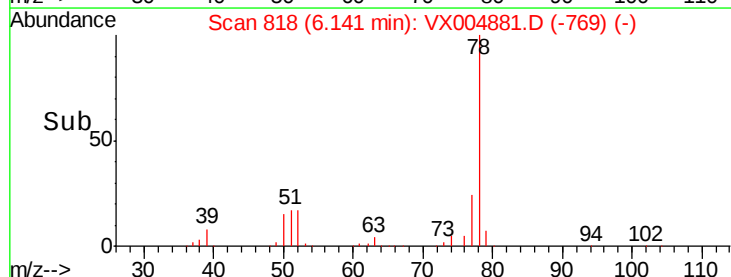
78 100

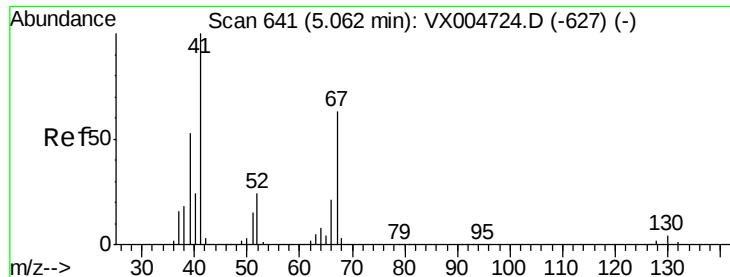
77 24.2 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

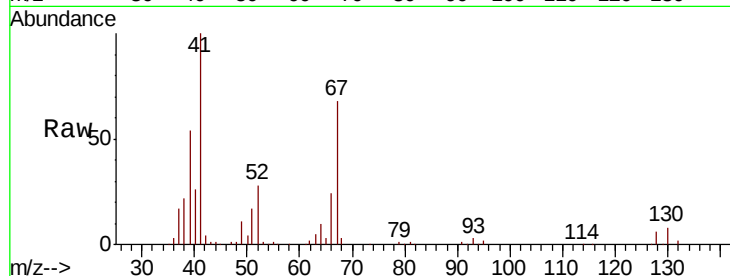




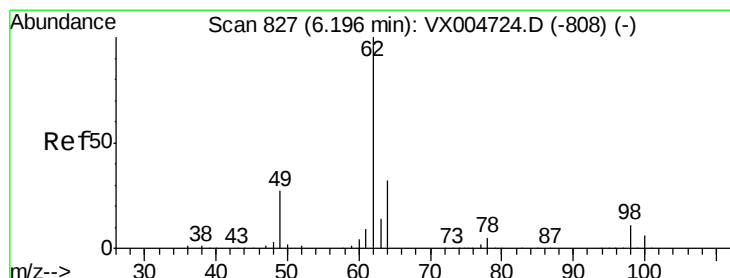
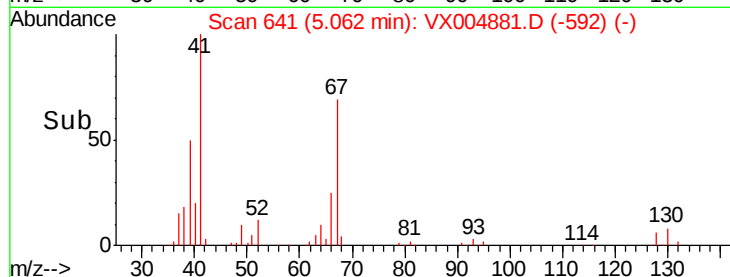
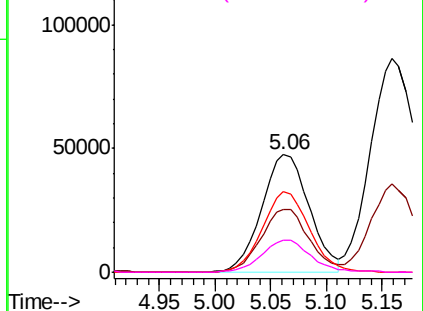
#41
Methacrylonitrile
Concen: 51.986 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion:	41	Resp:	140882
Ion	Ratio	Lower	Upper
41	100		
39	53.4	42.4	63.6
67	68.1	59.2	88.8
52	28.0	23.0	34.4

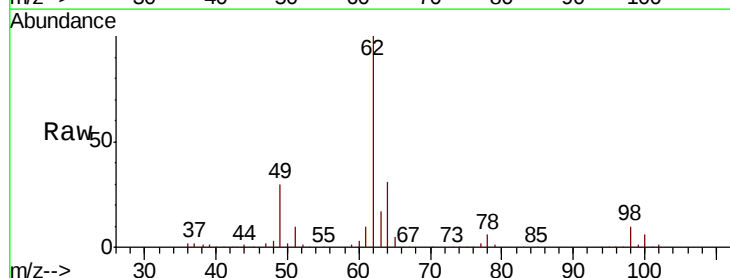


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

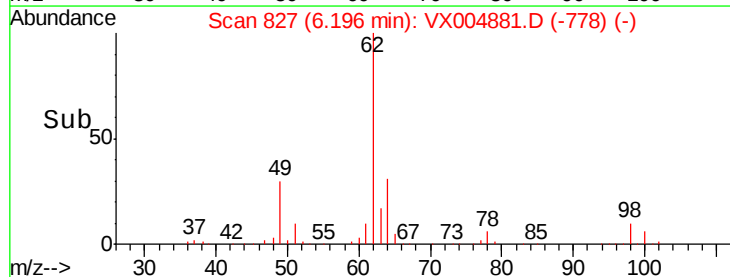
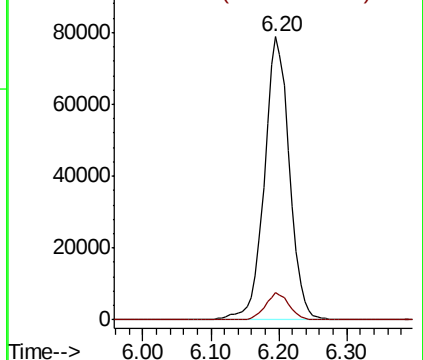


#42
1,2-Dichloroethane
Concen: 49.719 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion:	62	Resp:	202571
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.823 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

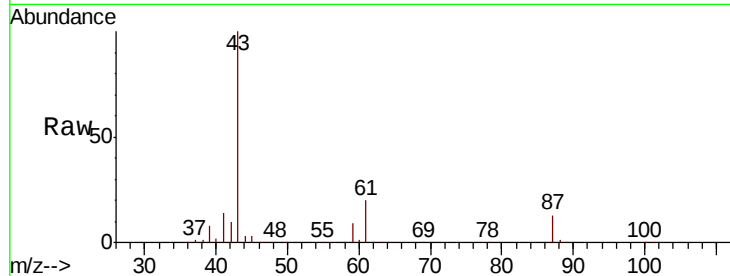
Tot Ion: 43 Resp: 358458

Ion Ratio Lower Upper

43 100

61 19.6 17.0 25.4

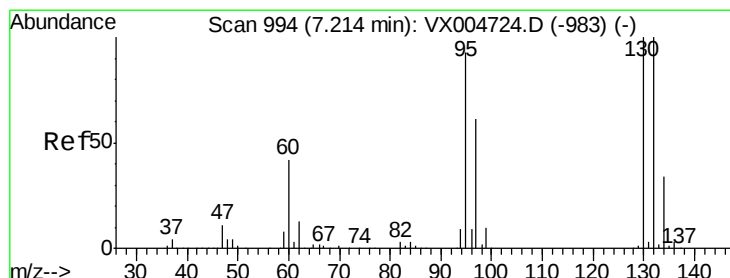
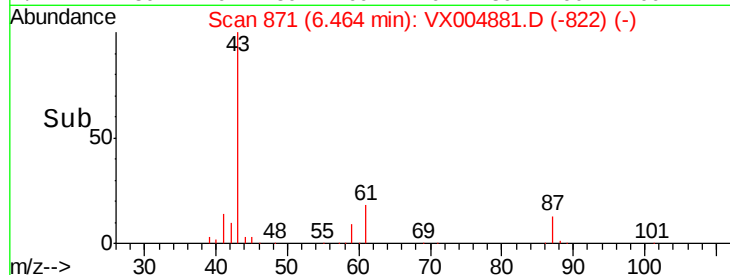
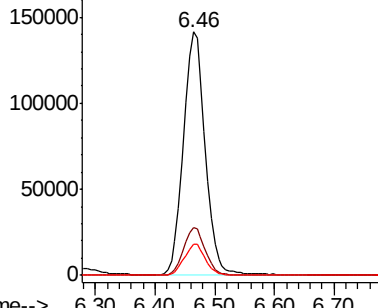
87 12.6 11.4 17.2



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: 52.423 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004881.D

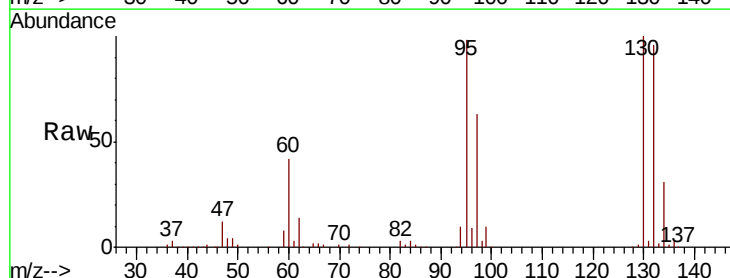
Acq: 01 Oct 2018 19:56

Tgt Ion: 130 Resp: 148528

Ion Ratio Lower Upper

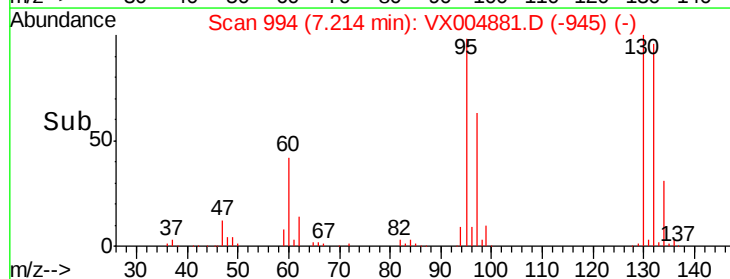
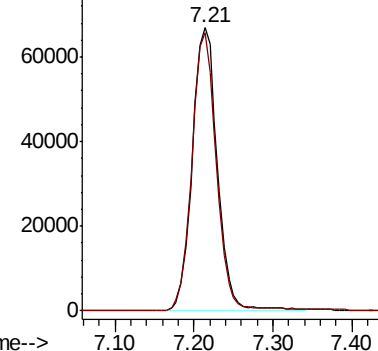
130 100

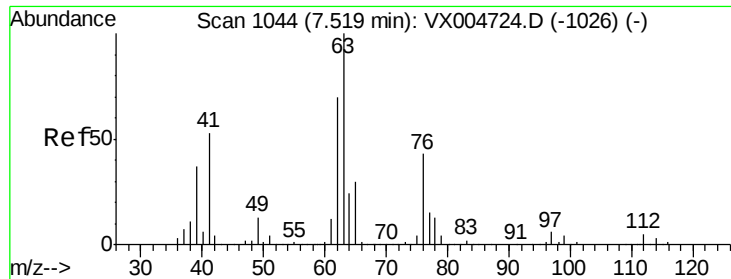
95 98.1 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 54.700 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

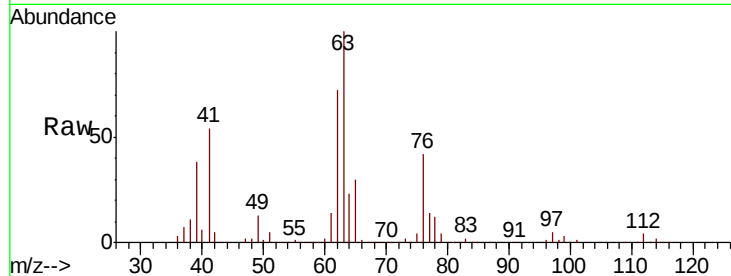
SA-TW502-0913MS

Tot Ion: 63 Resp: 154601

Ion Ratio Lower Upper

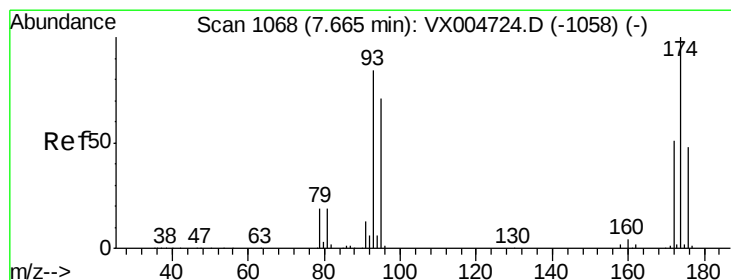
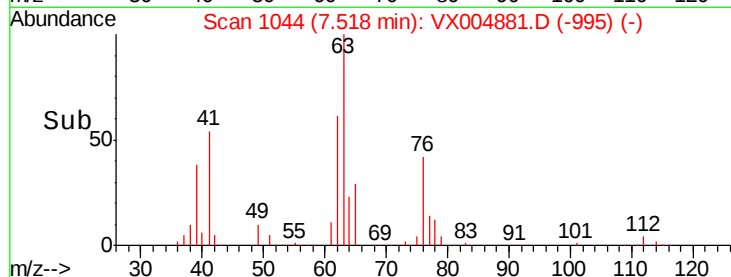
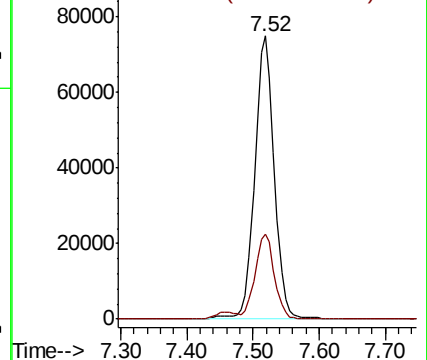
63 100

65 30.0 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: 55.391 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

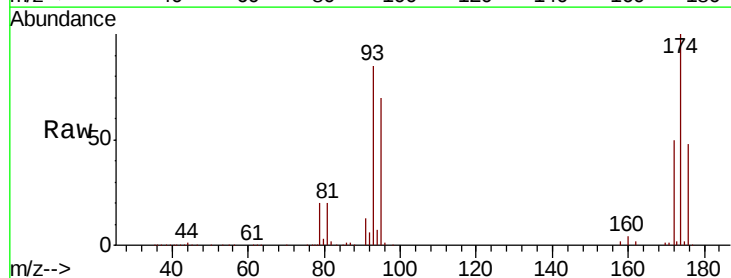
Tgt Ion: 93 Resp: 98388

Ion Ratio Lower Upper

93 100

95 83.7 65.5 98.3

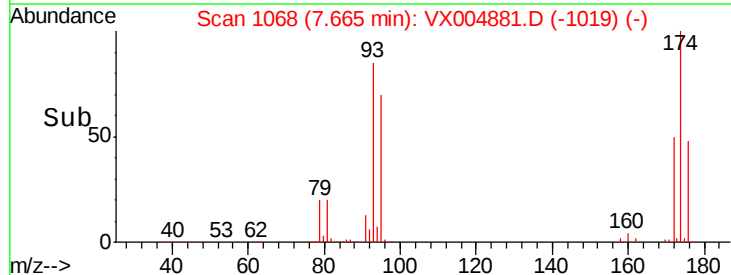
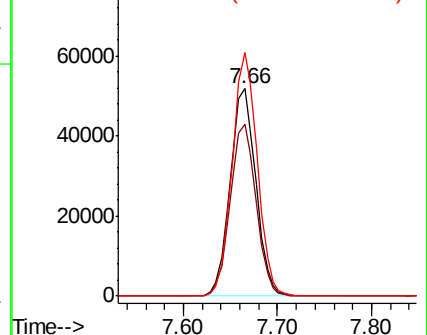
174 114.9 94.2 141.4

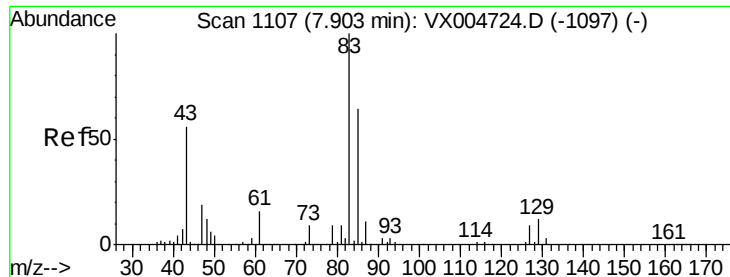


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 56.855 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

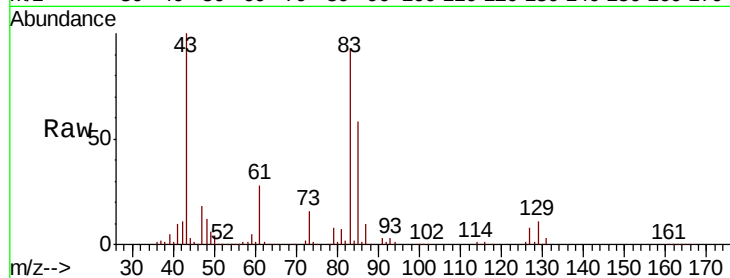
Tot Ion: 83 Resp: 189078

Ion Ratio Lower Upper

83 100

85 62.7 50.9 76.3

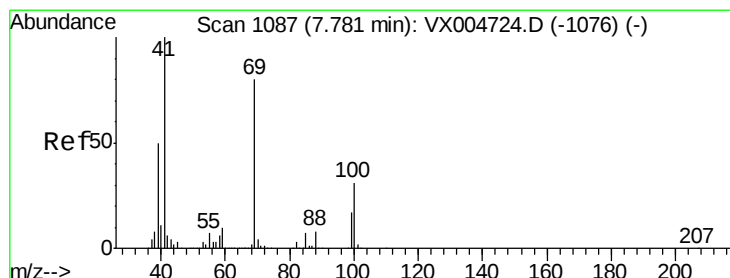
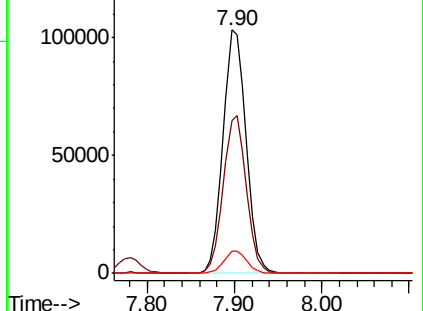
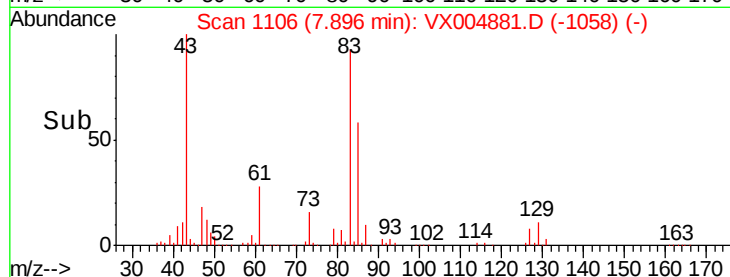
127 9.0 7.3 10.9



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: 61.502 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

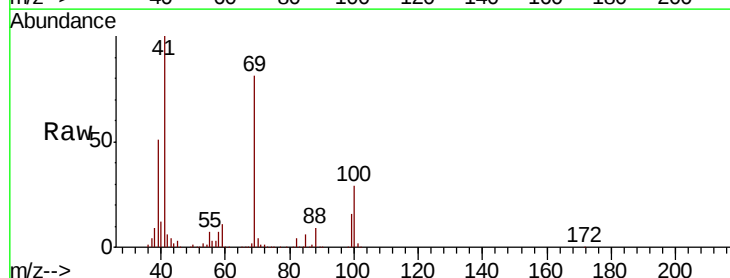
Tgt Ion: 41 Resp: 196887

Ion Ratio Lower Upper

41 100

69 80.5 70.2 105.4

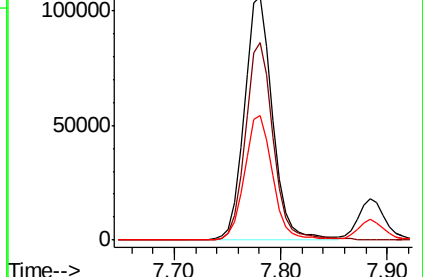
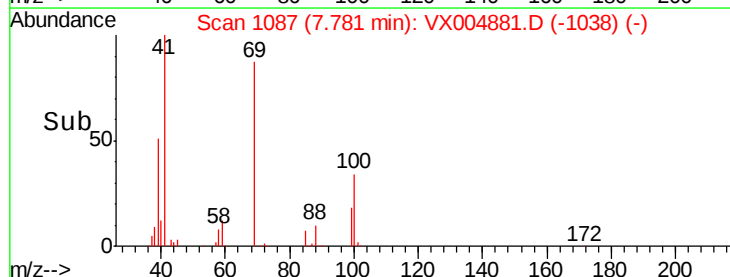
39 51.1 42.7 64.1

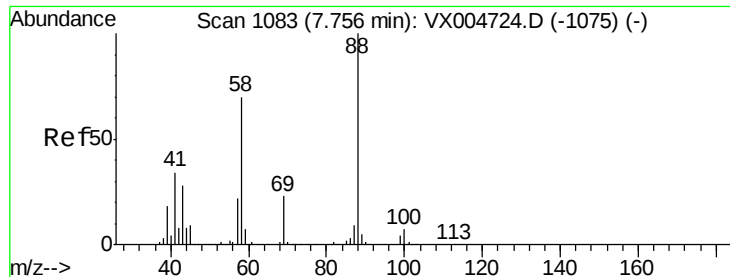


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

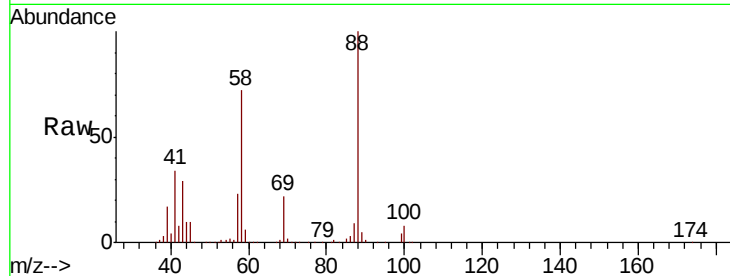




#49
1,4-Dioxane
Concen: 1167.300 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion	88	Resp	92839
Ion	Ratio	Lower	Upper
88	100		
43	32.6	24.7	37.1
58	74.5	55.3	82.9

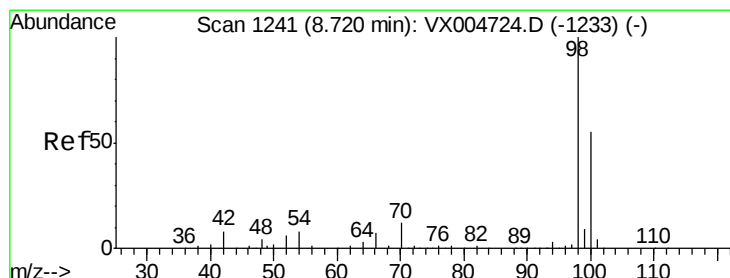
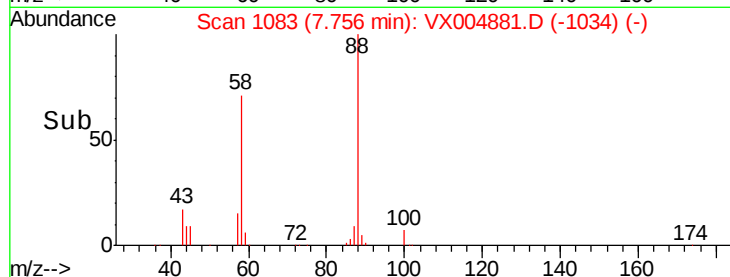
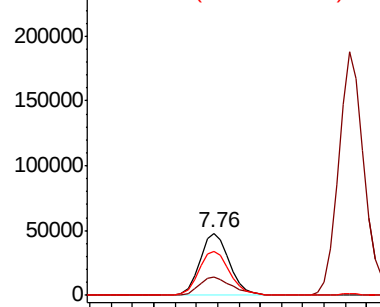


Abundance

Ion 88.00 (87.70 to 88.70): VX0

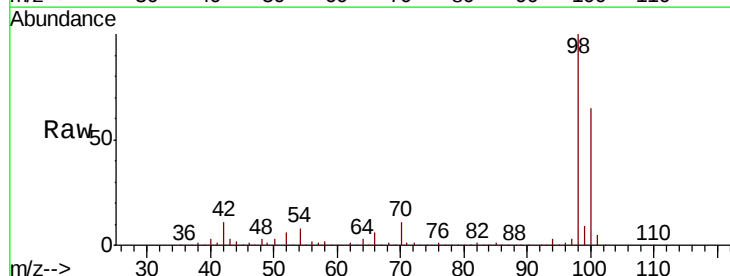
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 55.630 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

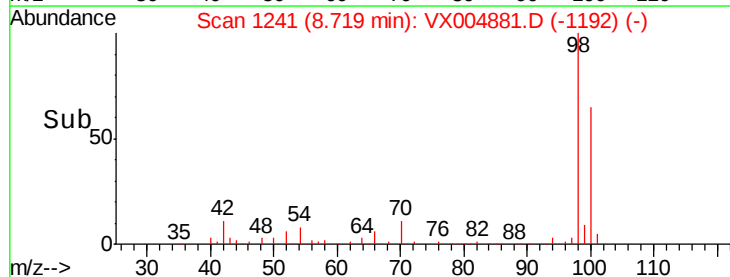
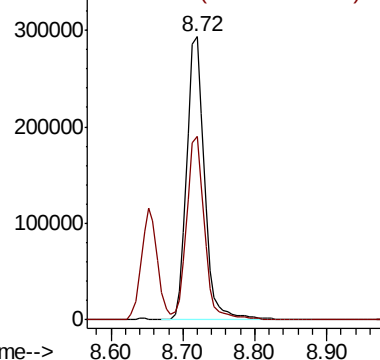
Tgt Ion	98	Resp	499014
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.9	79.3



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: 303.880 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

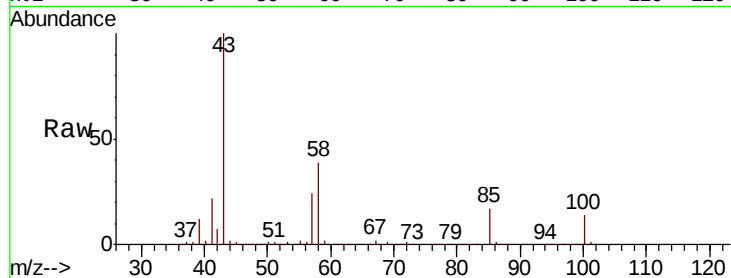
SA-TW502-0913MS

Tot Ion: 43 Resp: 1349524

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

8.65

800000

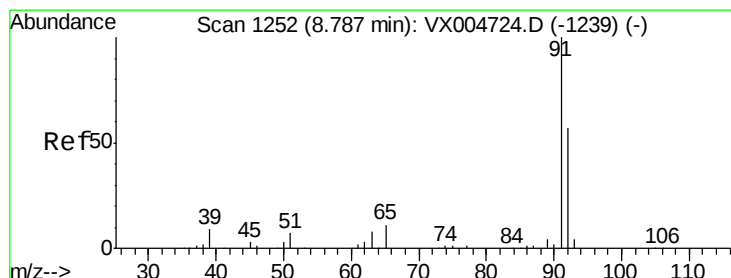
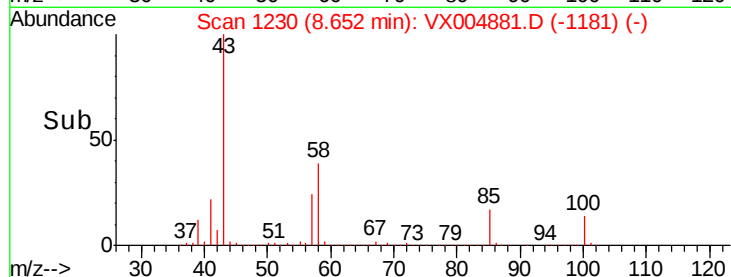
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 55.777 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004881.D

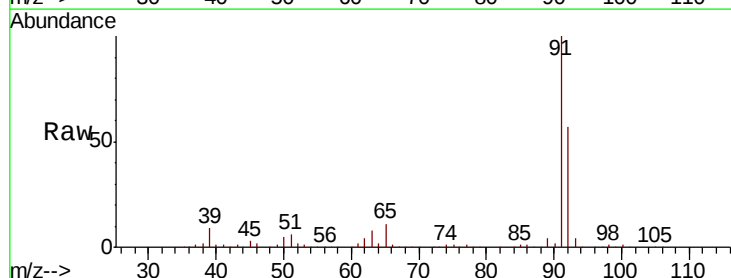
Acq: 01 Oct 2018 19:56

Tgt Ion: 92 Resp: 353228

Ion Ratio Lower Upper

92 100

91 174.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

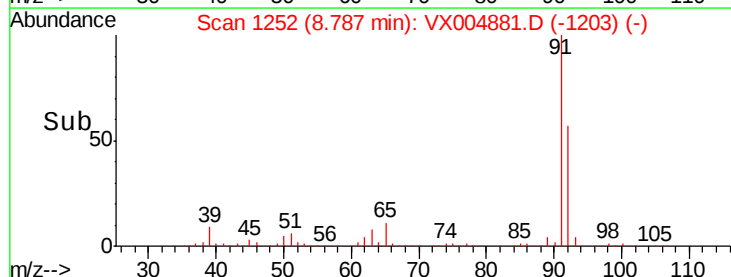
300000

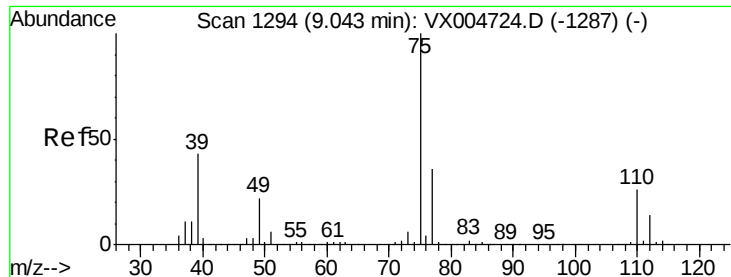
200000

100000

0

Time-->

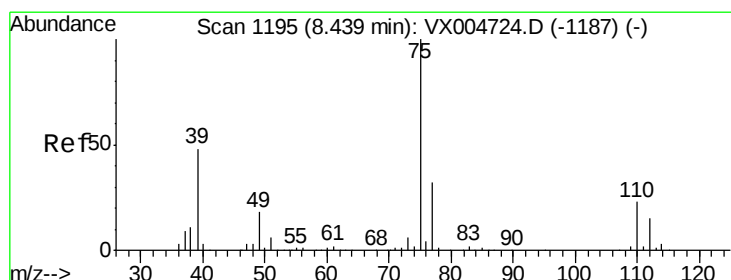
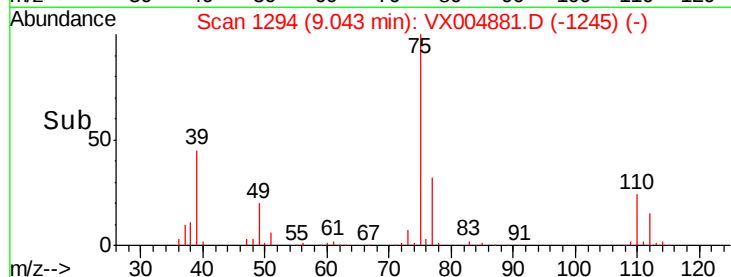
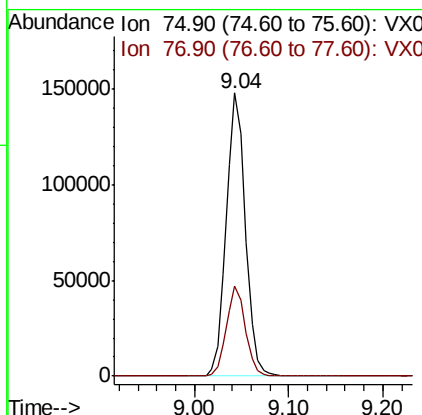
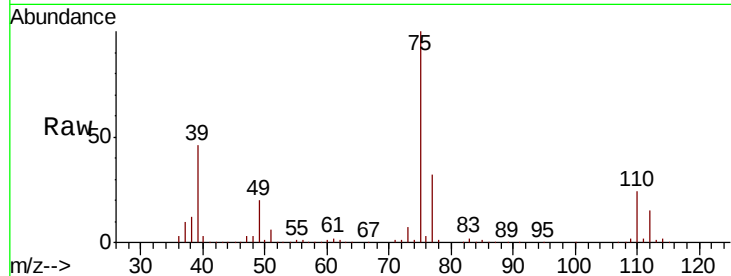




#53
 t-1,3-Dichloropropene
 Concen: 55.566 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

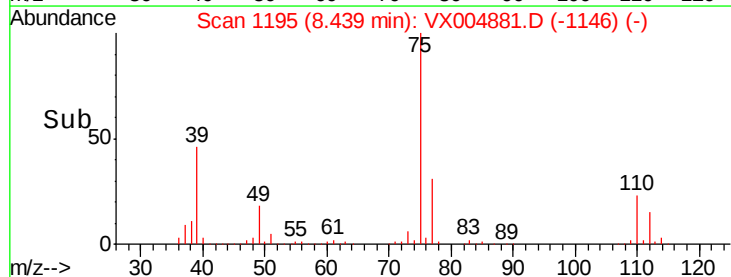
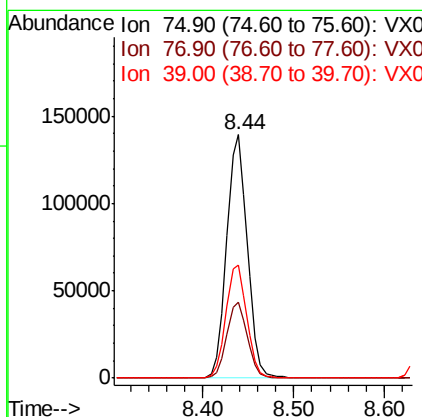
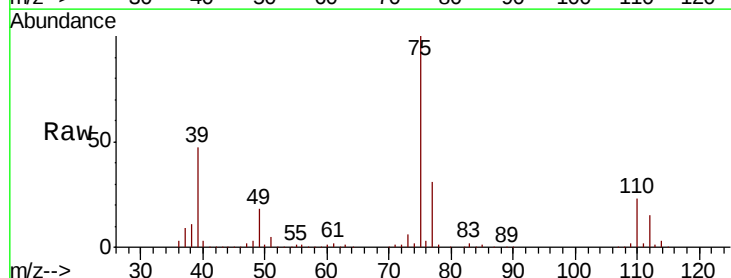
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion: 75 Resp: 208821
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 56.044 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion: 75 Resp: 220605
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.2 39.2
 39 46.4 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 53.632 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 97 Resp: 148776

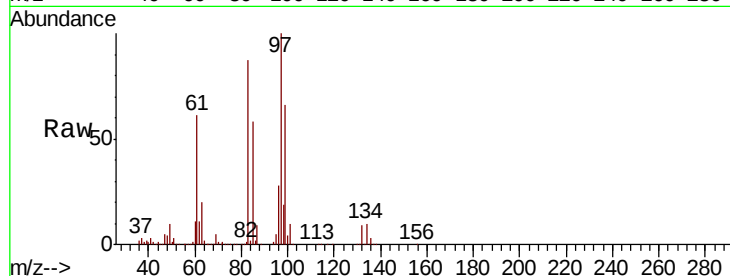
Ion Ratio Lower Upper

97 100

83 86.6 66.4 99.6

85 57.8 43.3 64.9

99 65.8 49.0 73.4

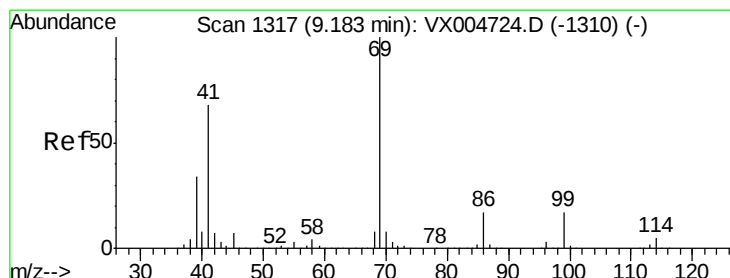
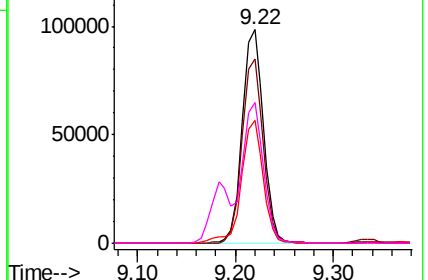
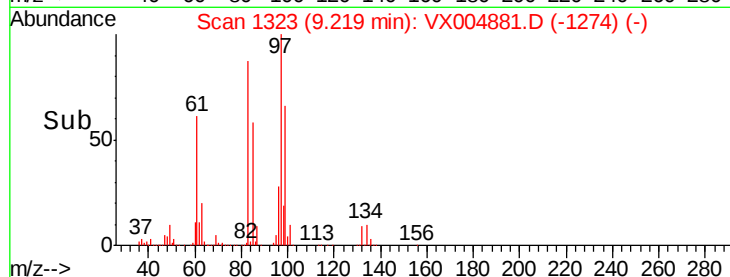


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 51.054 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

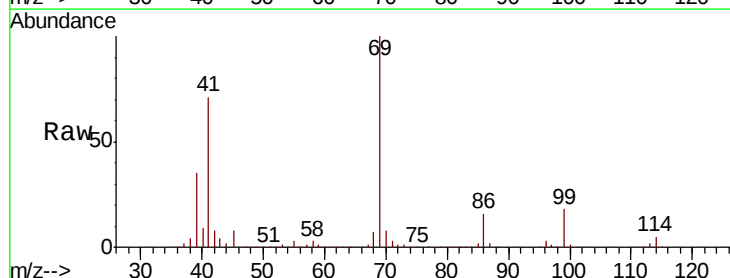
Tgt Ion: 69 Resp: 230107

Ion Ratio Lower Upper

69 100

41 69.7 51.0 76.4

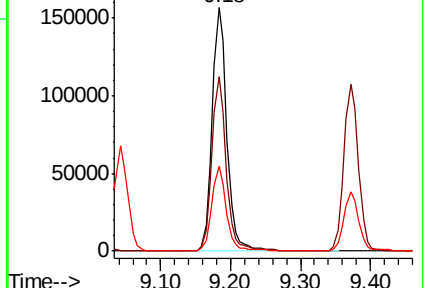
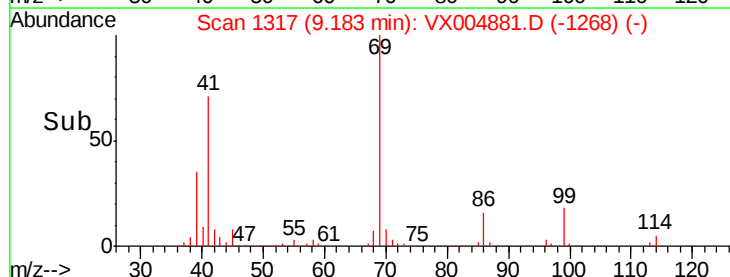
39 34.1 26.1 39.1

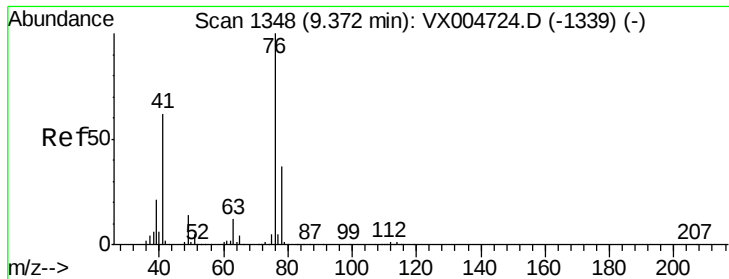


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 53.782 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

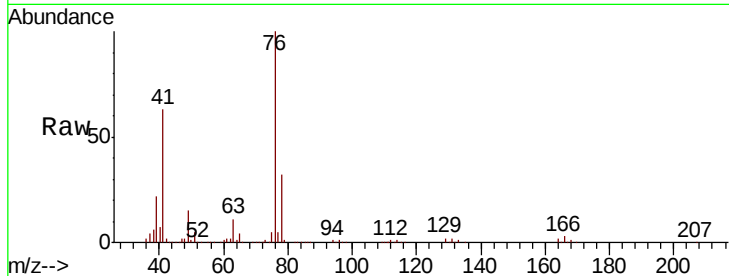
SA-TW502-0913MS

Tot Ion: 76 Resp: 248304

Ion Ratio Lower Upper

76 100

78 32.5 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

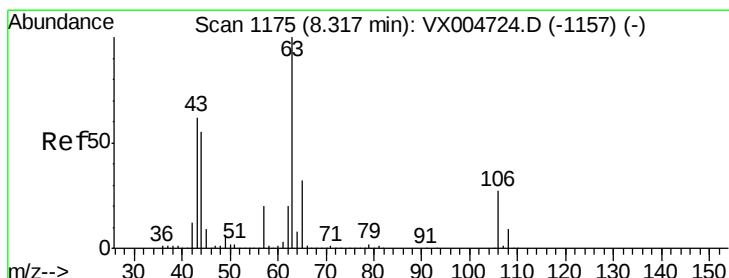
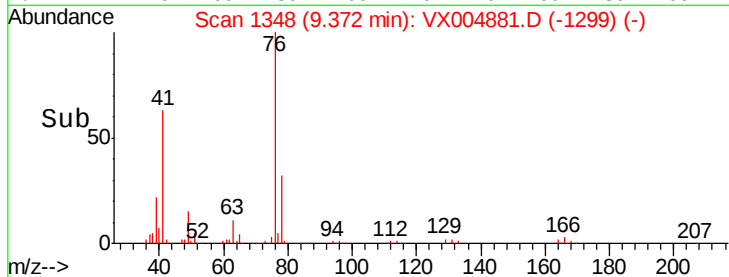
100000

50000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 15.077 ug/l

RT: 8.27 min Scan# 1168

Delta R.T. -0.04 min

Lab File: VX004881.D

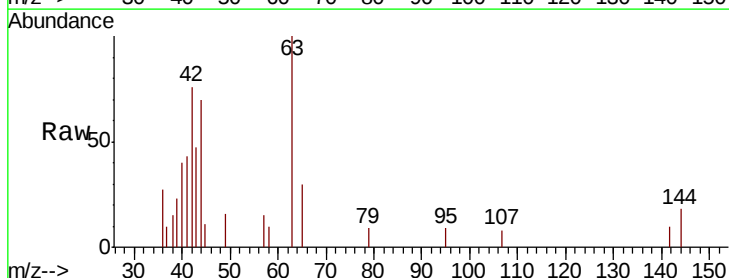
Acq: 01 Oct 2018 19:56

Tgt Ion: 63 Resp: 2117

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

600

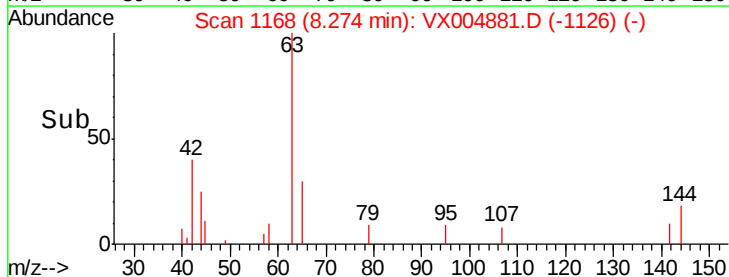
400

200

0

8.15 8.20 8.25 8.30 8.35

Time-->

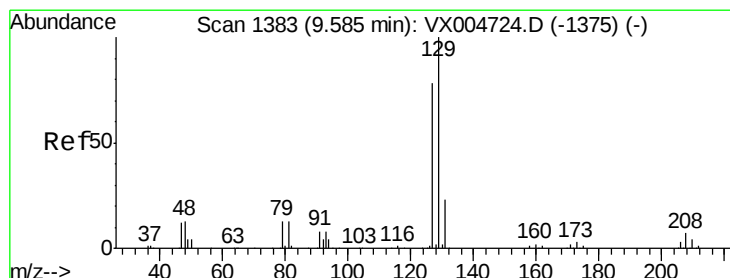
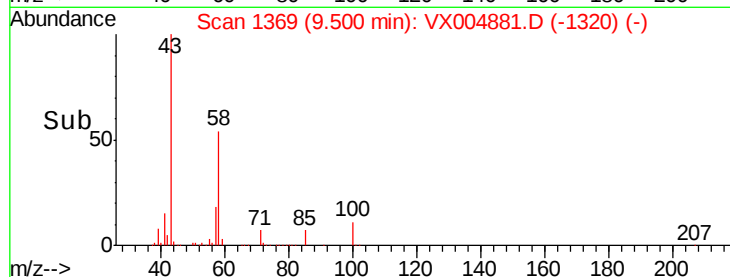
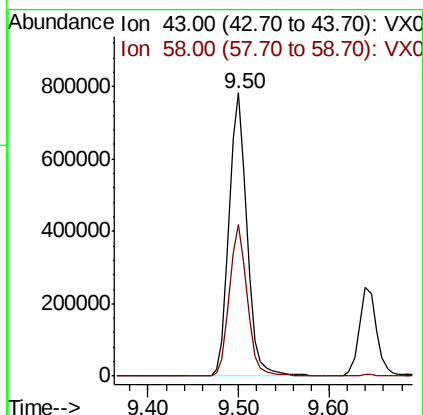
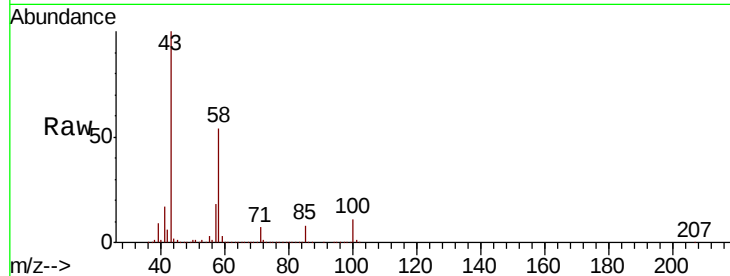




#59
2-Hexanone
Concen: 291.945 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

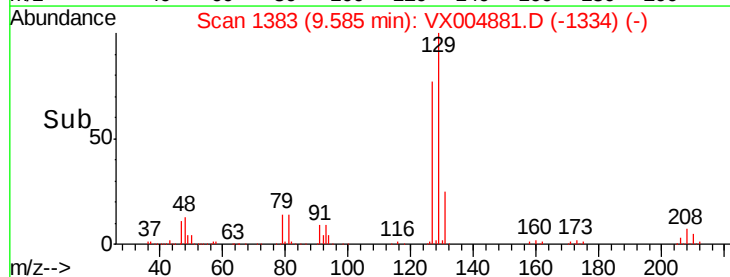
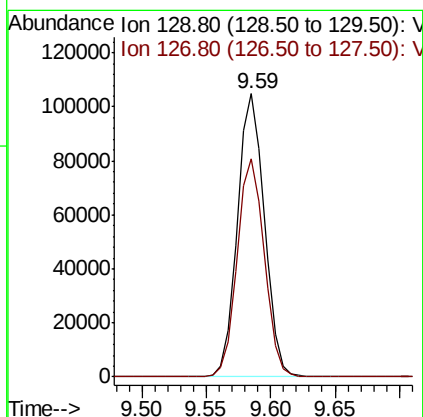
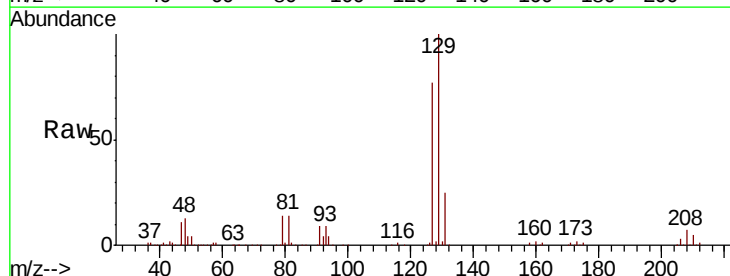
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

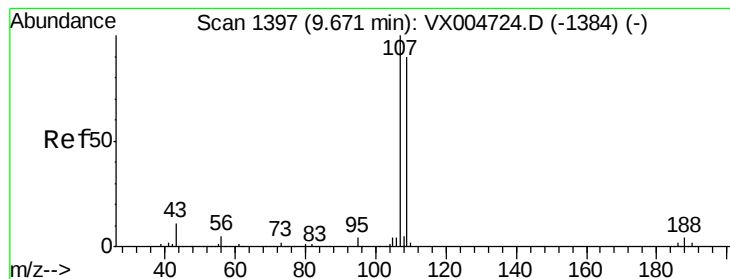
Tot Ion: 43 Resp: 1080416
Ion Ratio Lower Upper
43 100
58 53.4 29.0 87.0



#60
Dibromochloromethane
Concen: 54.976 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion: 129 Resp: 152517
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.761 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

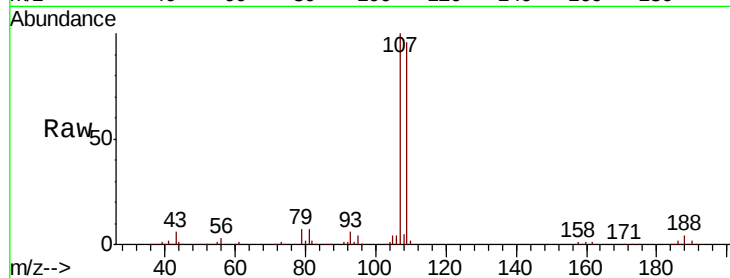
SA-TW502-0913MS

Tot Ion:107 Resp: 153773

Ion Ratio Lower Upper

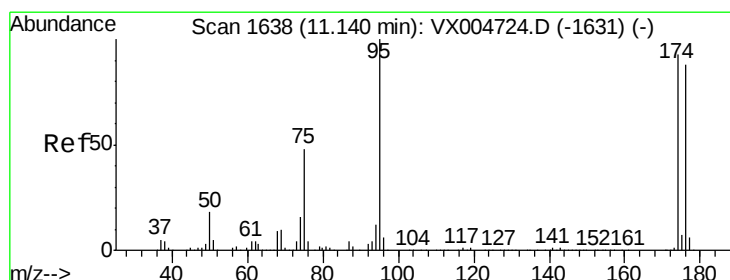
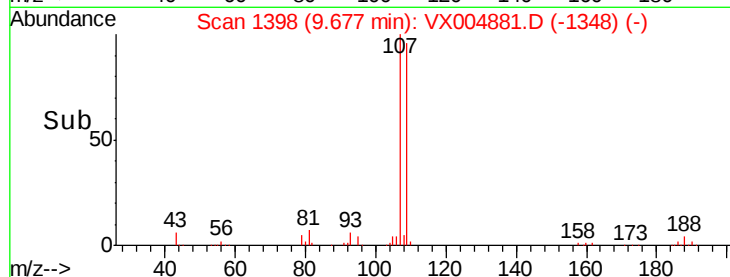
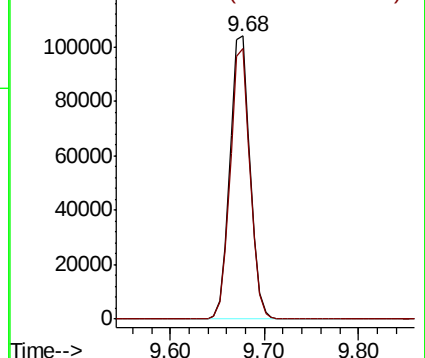
107 100

109 94.6 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 57.653 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

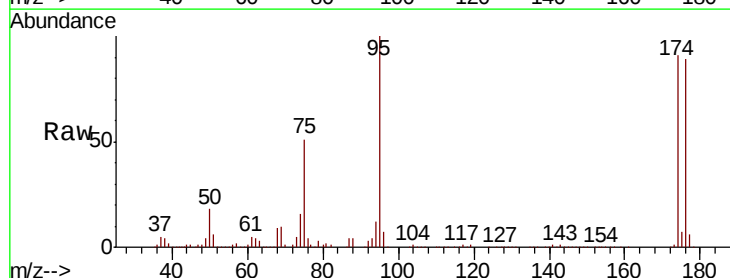
Tgt Ion: 95 Resp: 186308

Ion Ratio Lower Upper

95 100

174 91.1 0.0 185.2

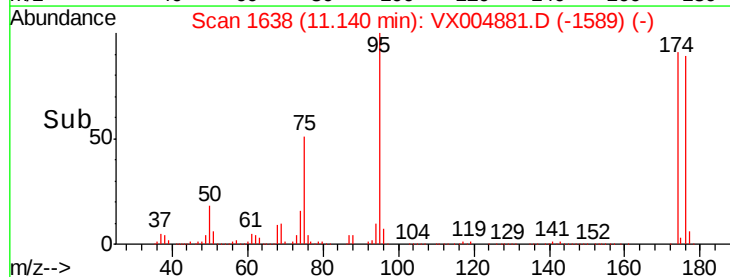
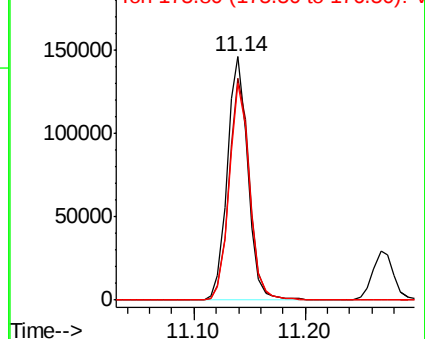
176 88.2 0.0 178.6



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

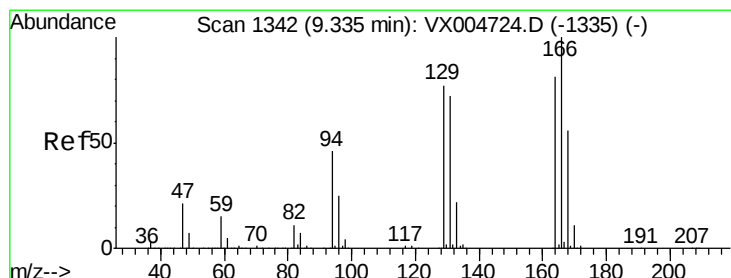
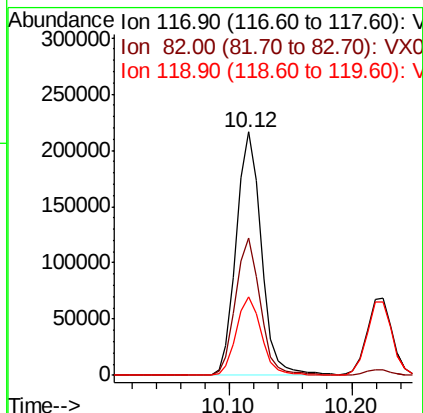
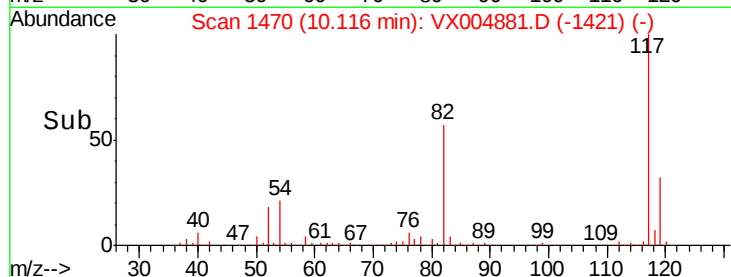
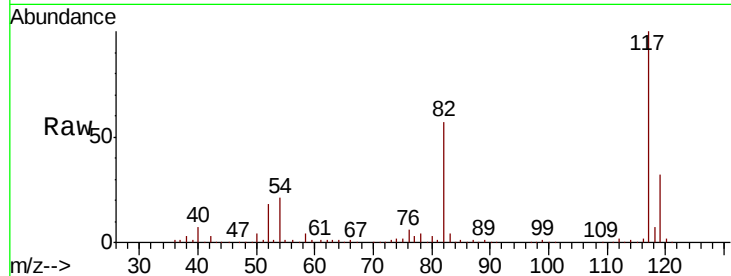




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

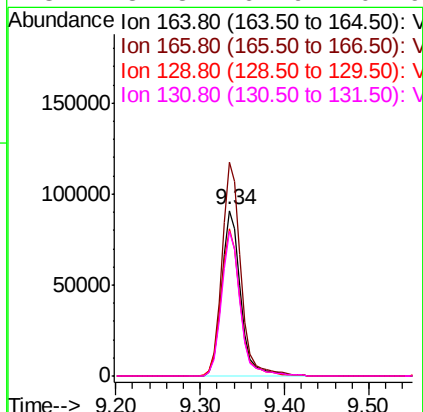
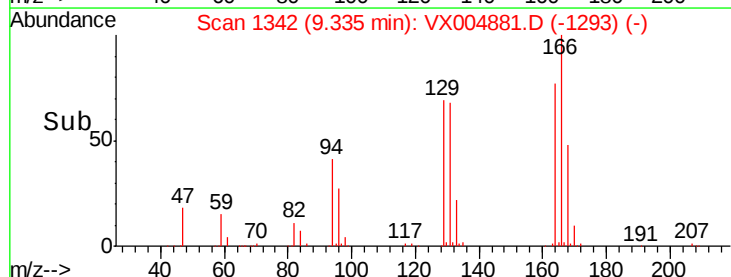
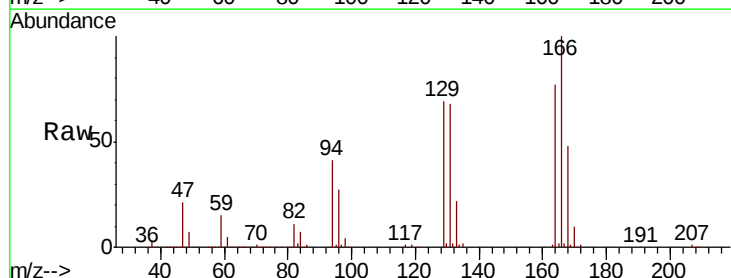
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	47.8	71.6
119	32.5	29.3	43.9



#64
Tetrachloroethene
Concen: 46.763 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	102.8	154.2
129	89.3	69.4	104.0
131	87.8	67.9	101.9

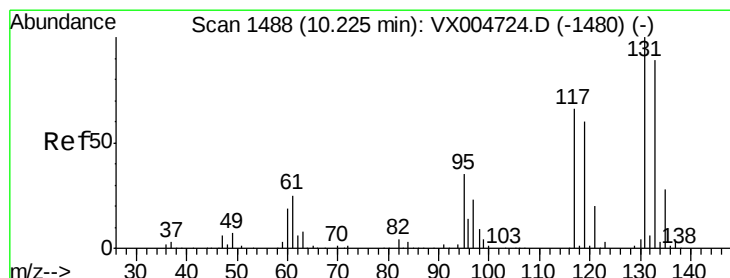
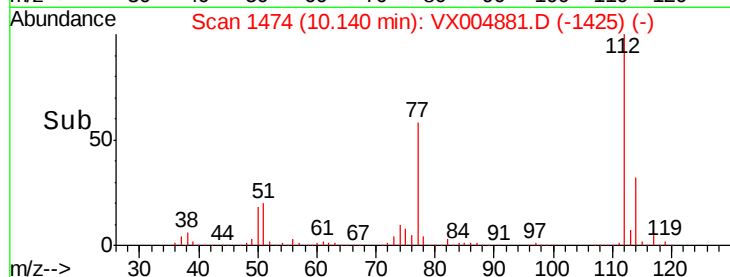
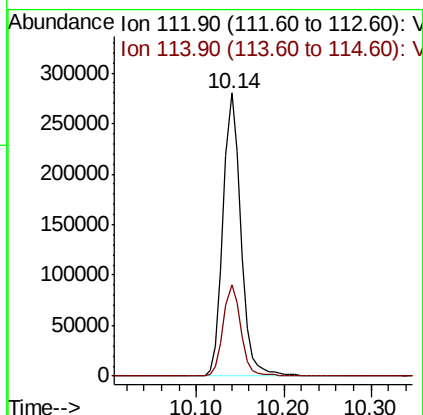
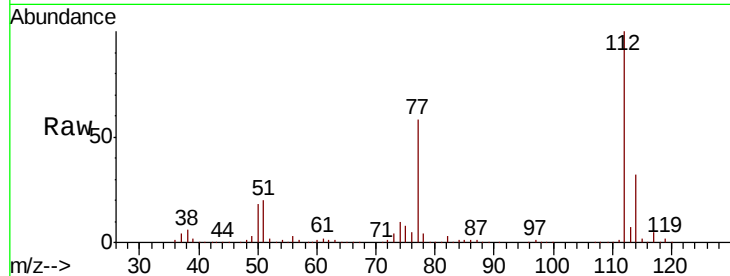




#65
Chlorobenzene
Concen: 49.985 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

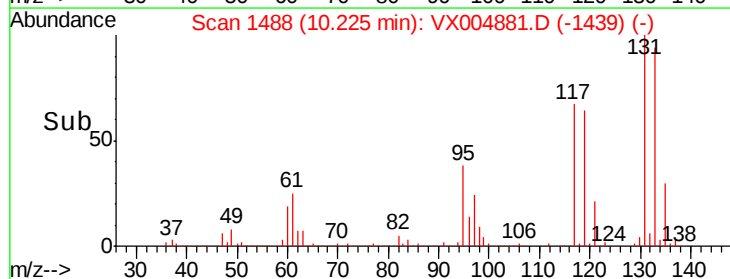
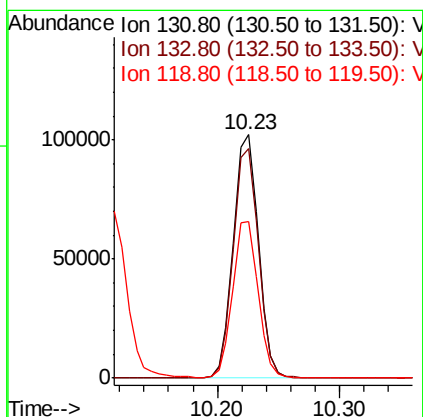
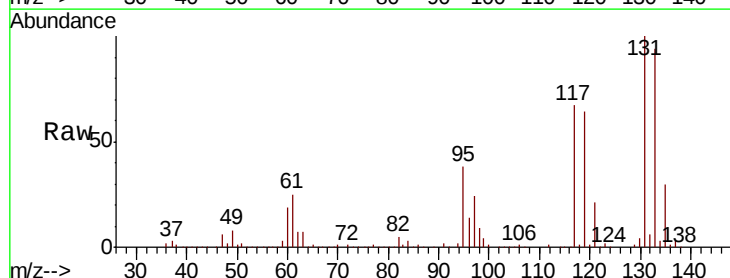
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

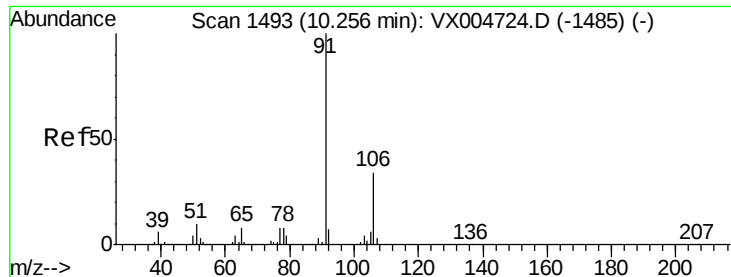
Tot Ion:112 Resp: 394892
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.969 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion:131 Resp: 144337
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 65.0 32.9 98.6





#67

Ethyl Benzene

Concen: 53.586 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

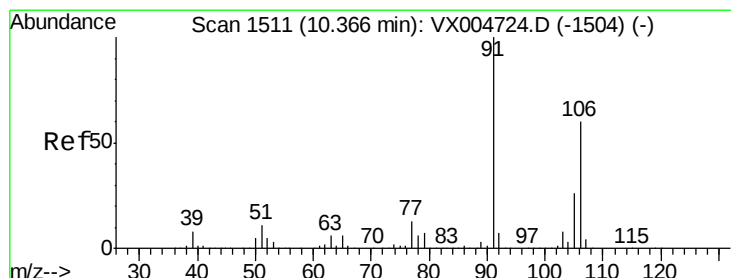
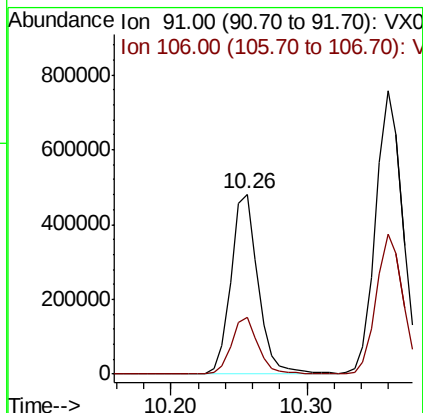
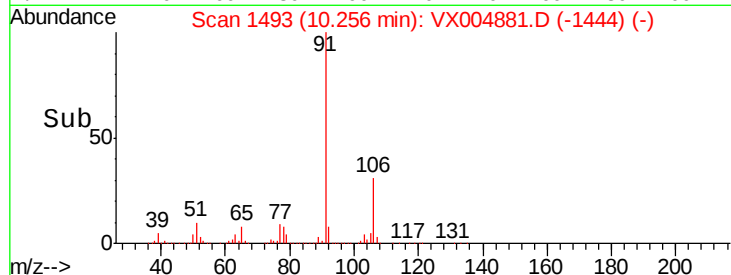
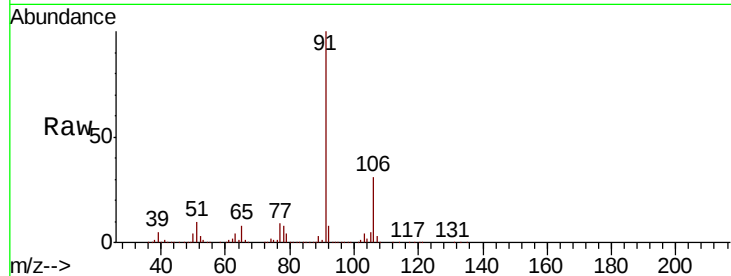
SA-TW502-0913MS

Tot Ion: 91 Resp: 672098

Ion Ratio Lower Upper

91 100

106 31.4 25.9 38.9



#68

m/p-Xylenes

Concen: 107.424 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004881.D

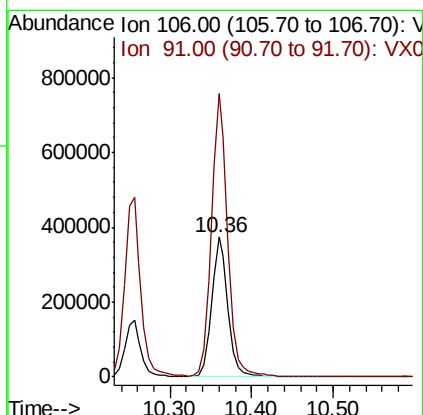
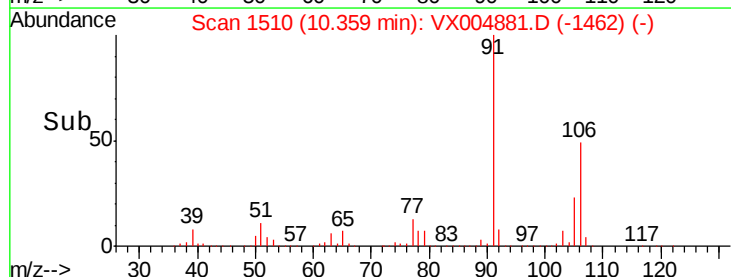
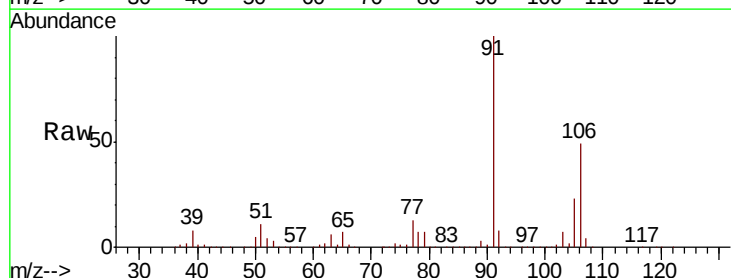
Acq: 01 Oct 2018 19:56

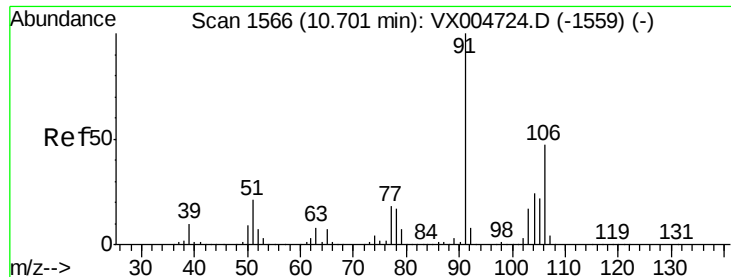
Tgt Ion: 106 Resp: 526510

Ion Ratio Lower Upper

106 100

91 203.0 157.1 235.7

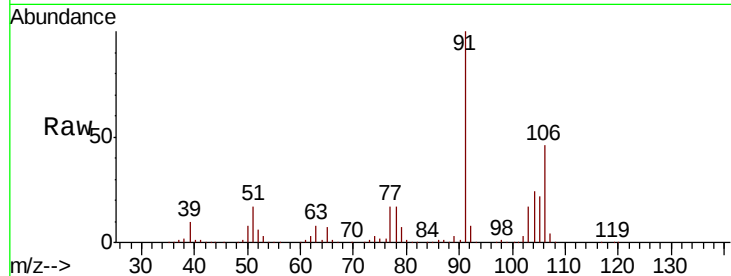




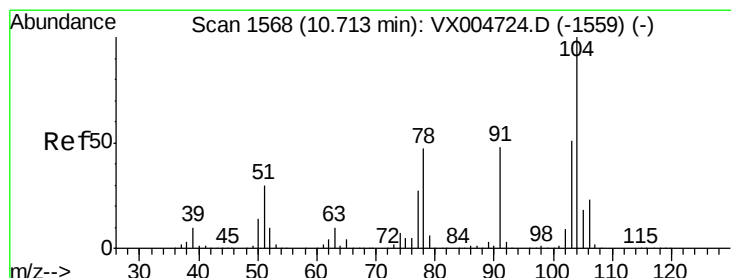
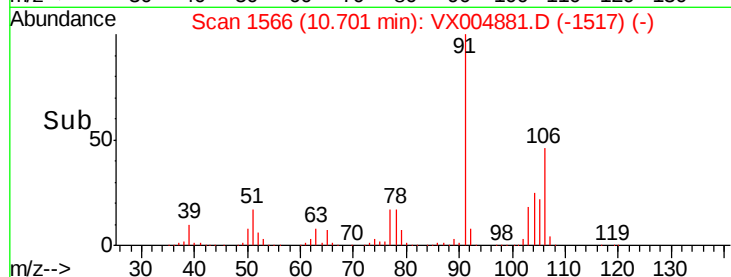
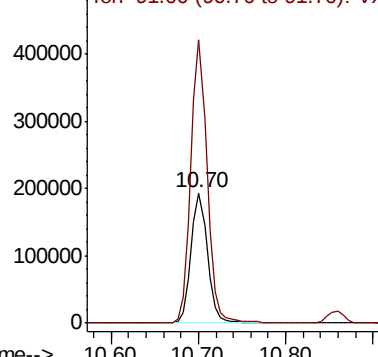
#69
o-Xylene
Concen: 56.236 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion:106 Resp: 253159
Ion Ratio Lower Upper
106 100
91 214.3 105.1 315.1

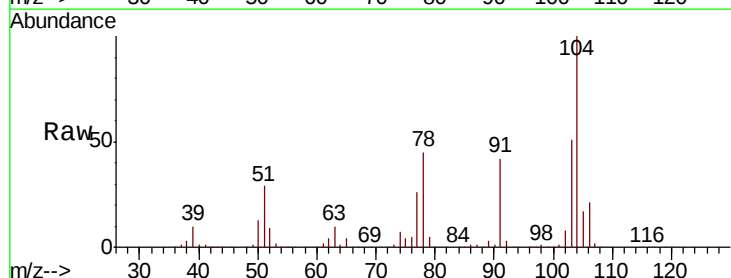


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

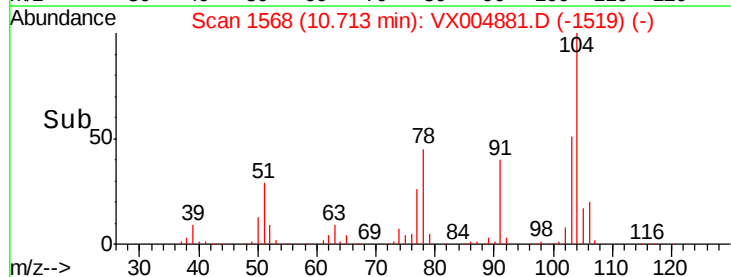
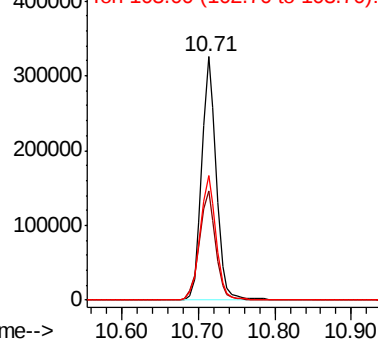


#70
Styrene
Concen: 51.183 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion:104 Resp: 431393
Ion Ratio Lower Upper
104 100
78 49.8 37.4 56.0
103 55.9 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

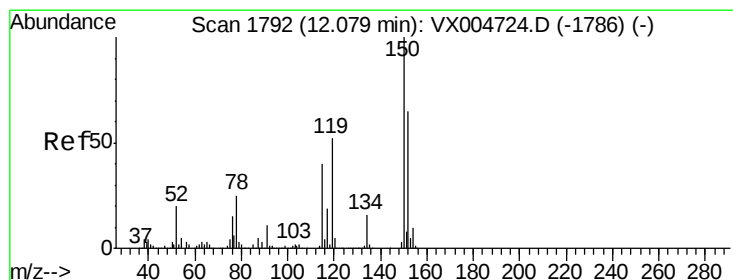
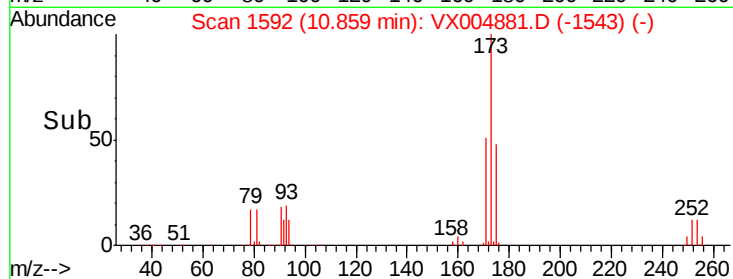
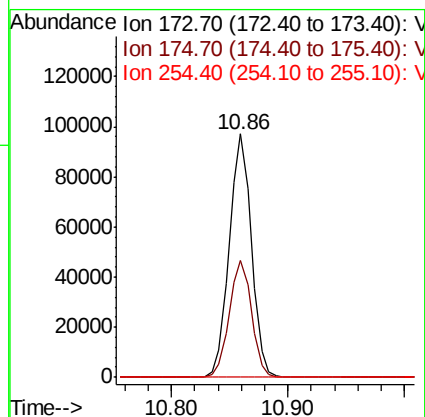
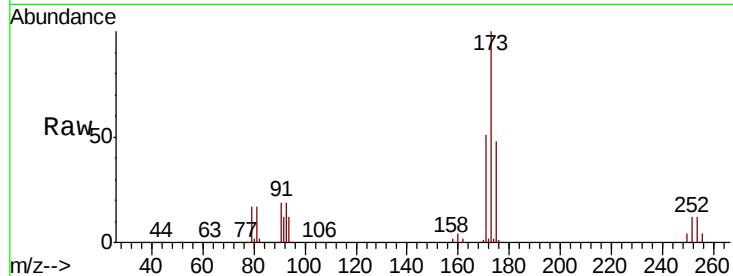




#71
Bromoform
Concen: 53.859 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

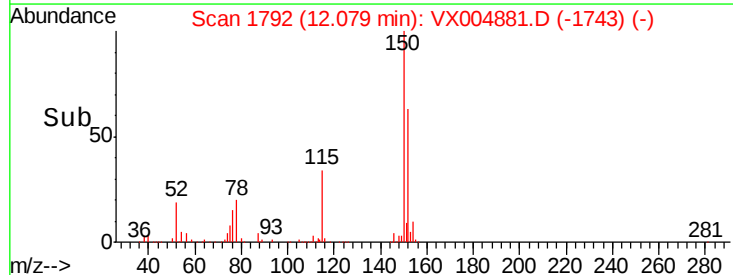
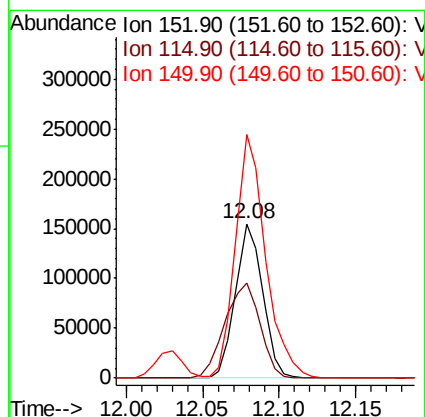
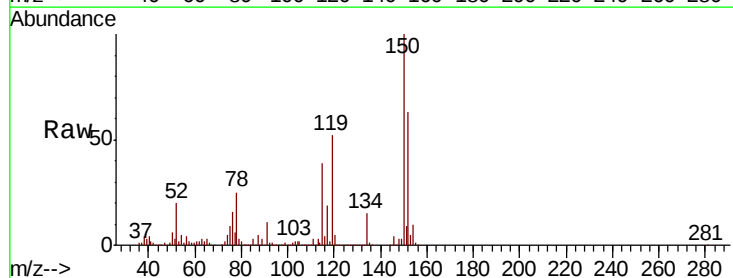
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion:173 Resp: 128063
Ion Ratio Lower Upper
173 100
175 48.7 24.1 72.3
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion:152 Resp: 192105
Ion Ratio Lower Upper
152 100
115 79.8 39.0 117.0
150 174.2 0.0 351.0





#73

Isopropylbenzene

Concen: 55.772 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

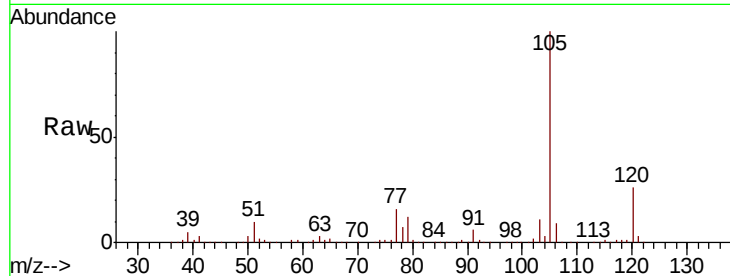
SA-TW502-0913MS

Tot Ion: 105 Resp: 675321

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

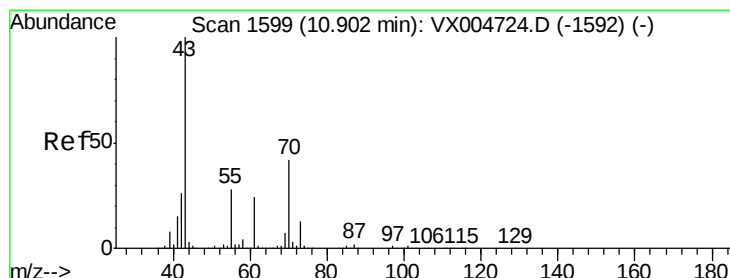
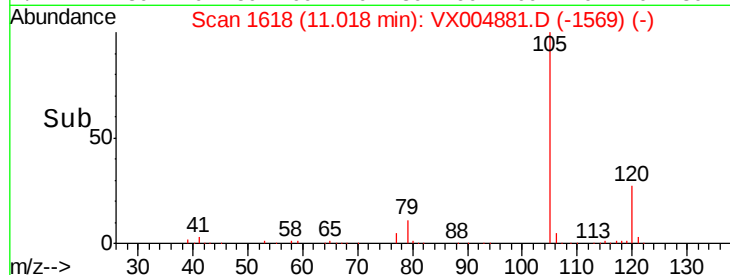
0

11.02

11.00

10.90

Time-->



#74

N-ethyl acetate

Concen: 48.210 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Tgt Ion: 43 Resp: 320428

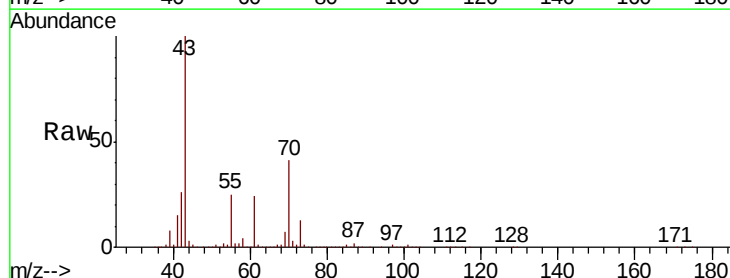
Ion Ratio Lower Upper

43 100

70 40.4 37.4 56.0

55 25.6 21.8 32.8

61 23.4 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

400000

300000

200000

100000

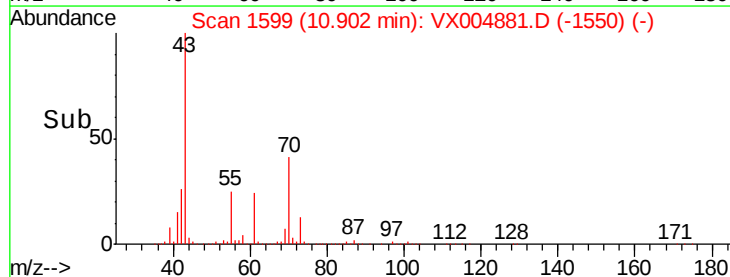
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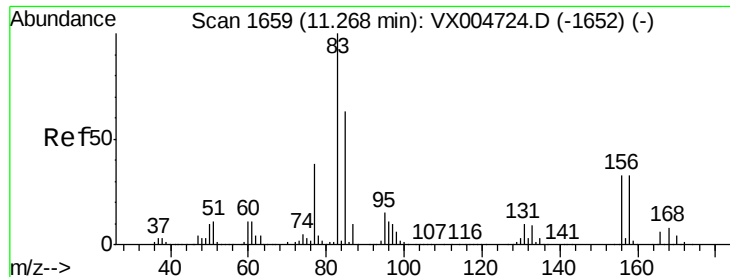
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.906 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

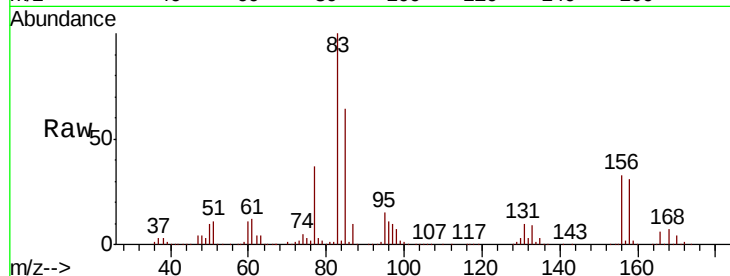
Tot Ion: 83 Resp: 250916

Ion Ratio Lower Upper

83 100

131 10.2 5.2 15.6

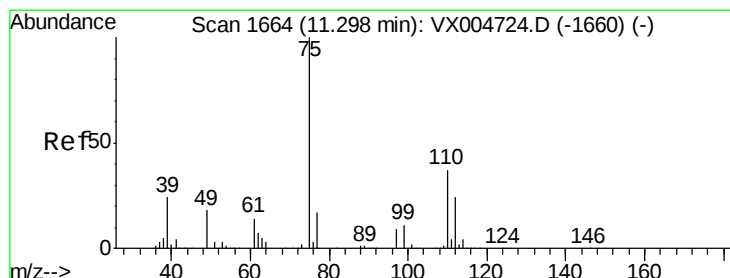
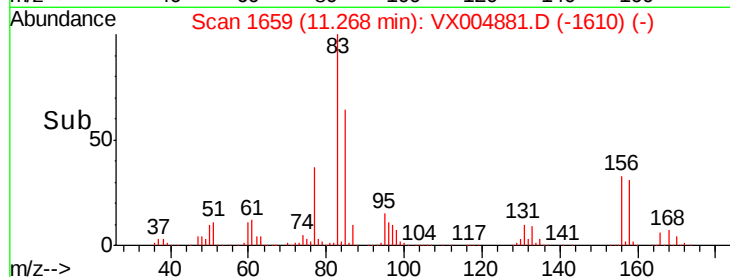
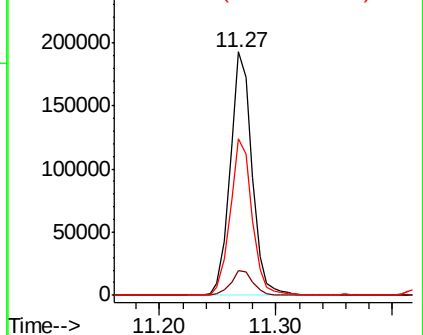
85 64.6 32.3 96.8



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: 66.062 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004881.D

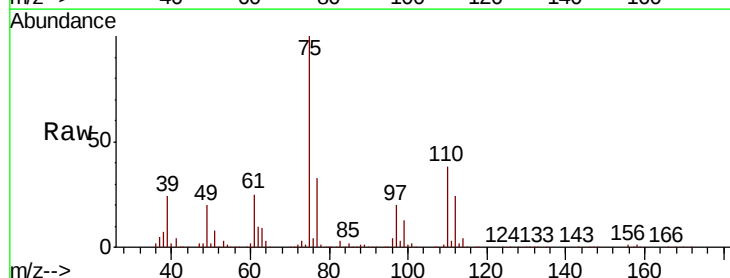
Acq: 01 Oct 2018 19:56

Tgt Ion: 75 Resp: 284446

Ion Ratio Lower Upper

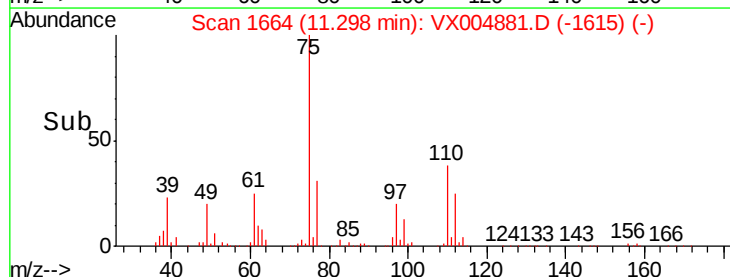
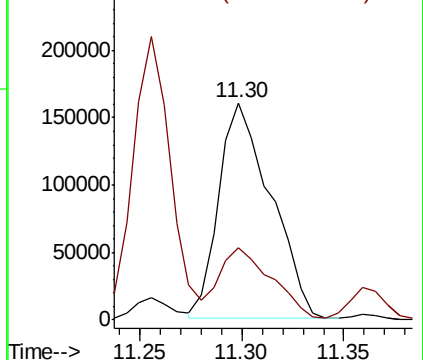
75 100

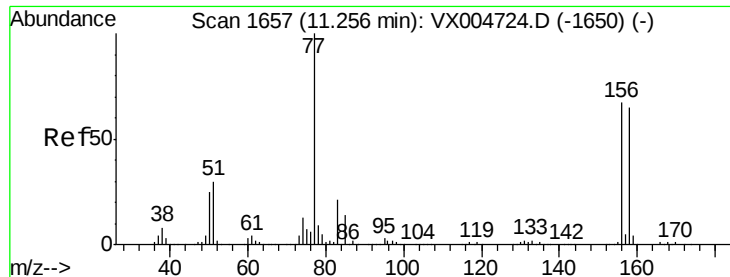
77 33.5 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.167 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913MS

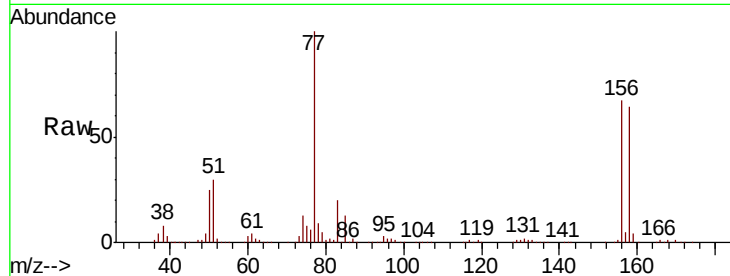
Tot Ion:156 Resp: 183474

Ion Ratio Lower Upper

156 100

77 147.5 71.5 214.3

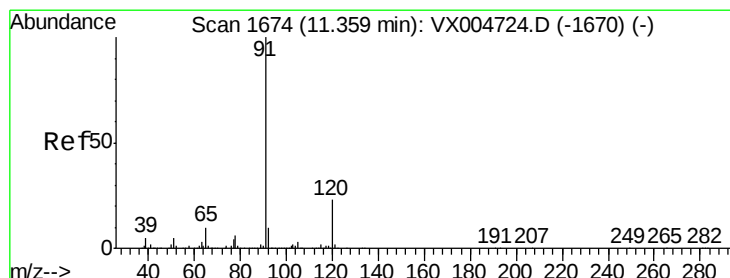
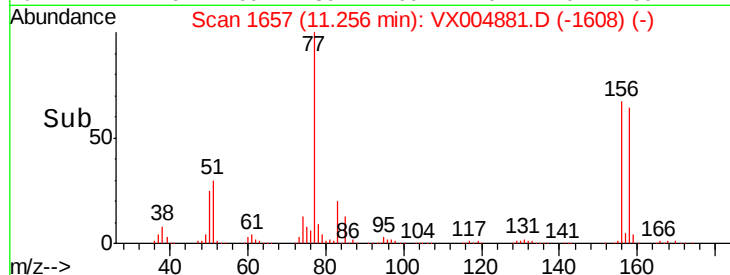
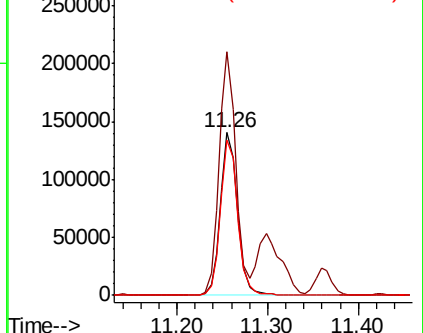
158 96.9 48.9 146.8



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: 55.939 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004881.D

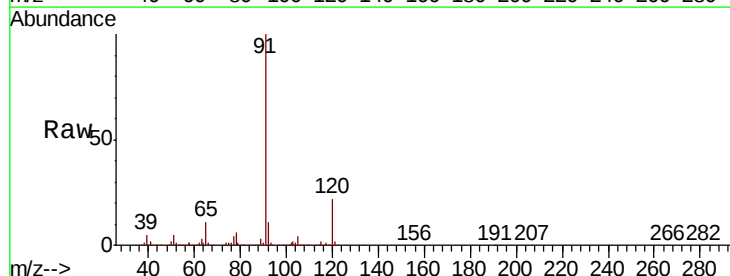
Acq: 01 Oct 2018 19:56

Tgt Ion: 91 Resp: 777176

Ion Ratio Lower Upper

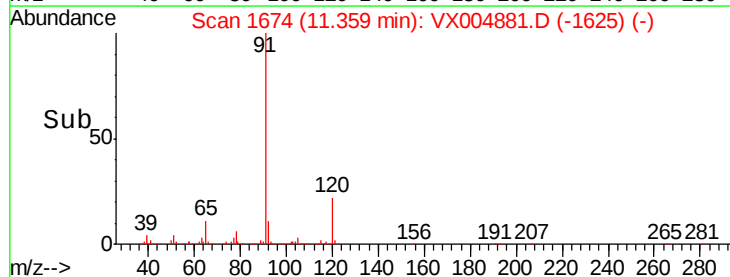
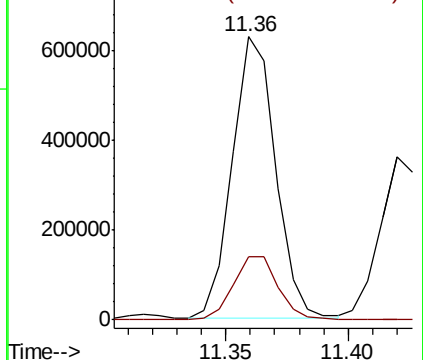
91 100

120 23.6 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: 53.847 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

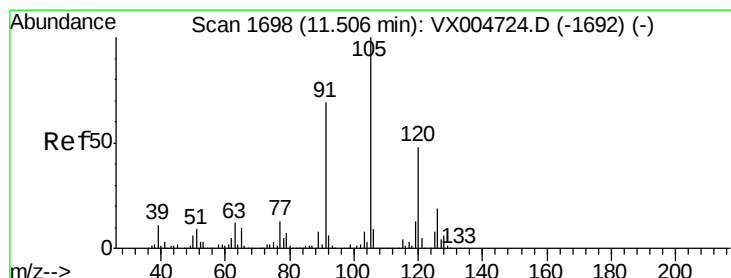
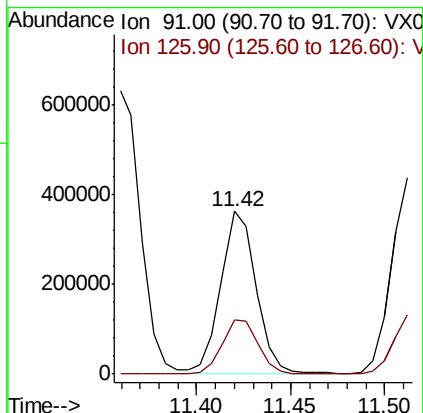
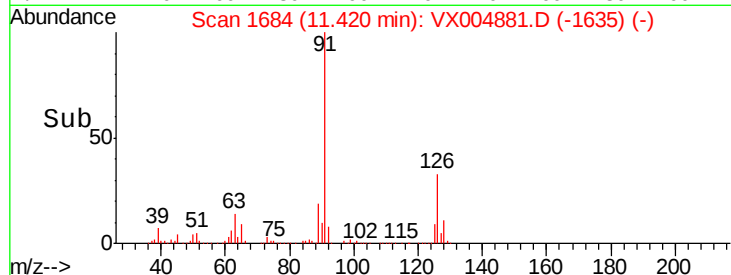
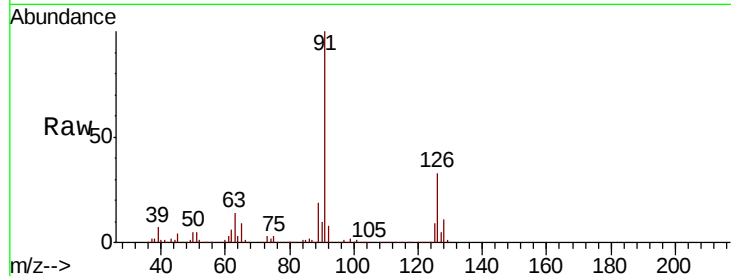
SA-TW502-0913MS

Tot Ion: 91 Resp: 466313

Ion Ratio Lower Upper

91 100

126 35.1 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 51.893 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004881.D

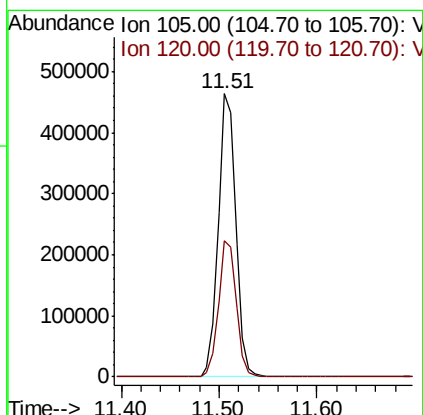
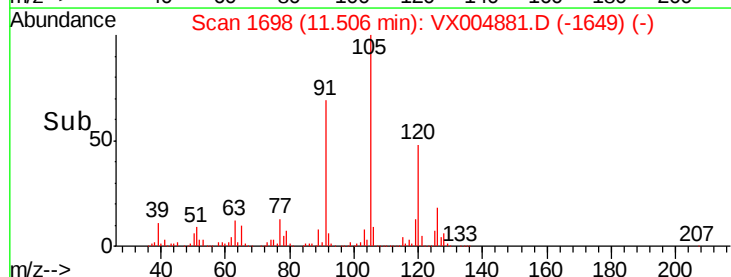
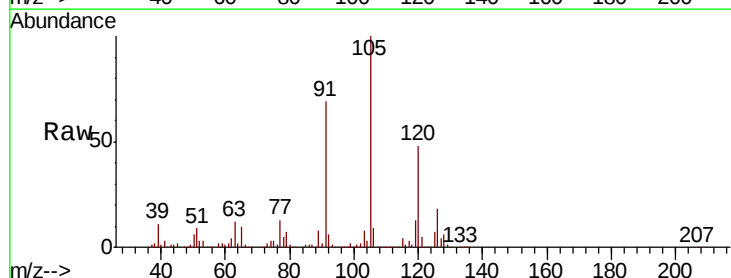
Acq: 01 Oct 2018 19:56

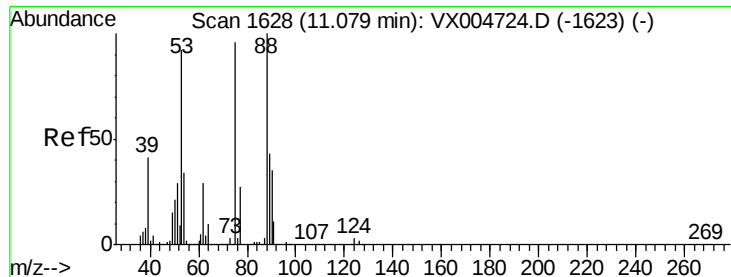
Tgt Ion: 105 Resp: 575826

Ion Ratio Lower Upper

105 100

120 48.8 25.6 76.8

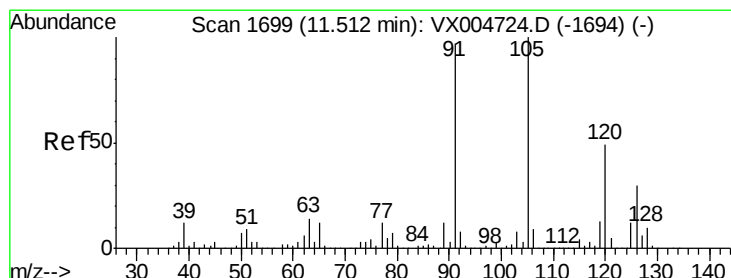
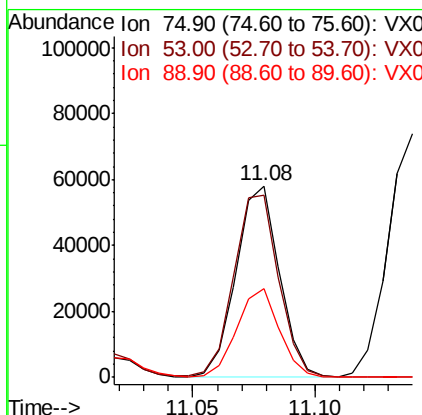
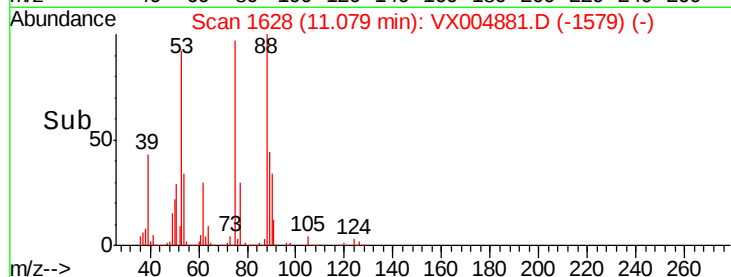
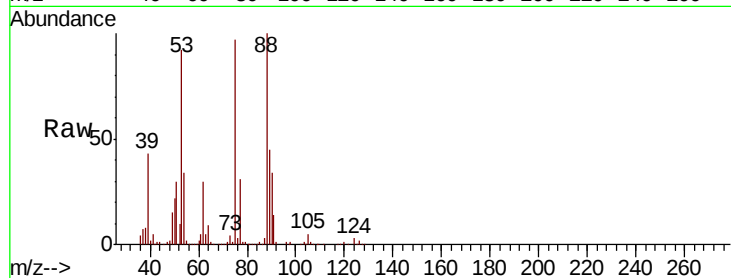




#81
trans-1,4-Dichloro-2-butene
Concen: 45.249 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

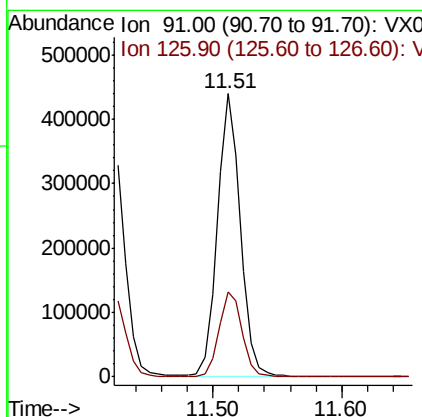
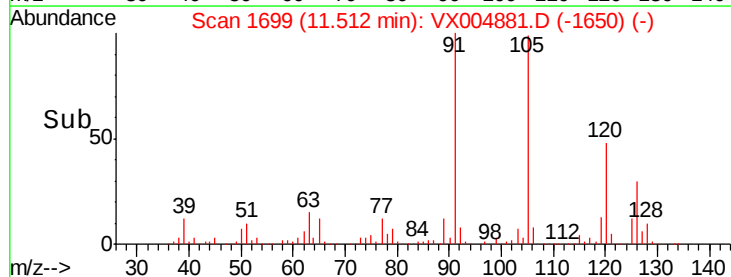
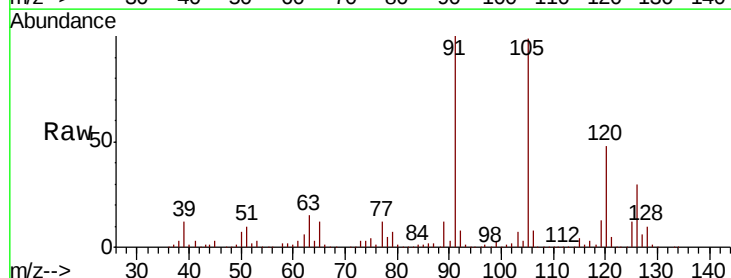
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

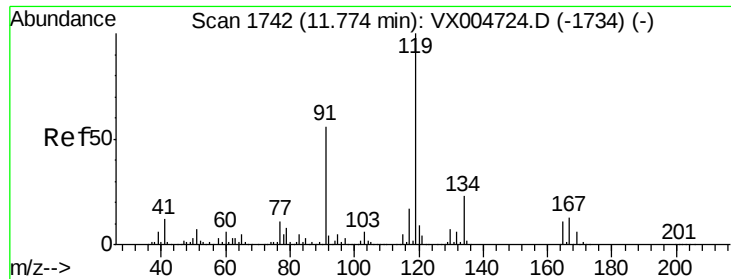
Tot Ion: 75 Resp: 71125
Ion Ratio Lower Upper
75 100
53 99.6 80.1 120.1
89 46.1 37.2 55.8



#82
4-Chlorotoluene
Concen: 54.190 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion: 91 Resp: 552361
Ion Ratio Lower Upper
91 100
126 30.6 15.5 46.5

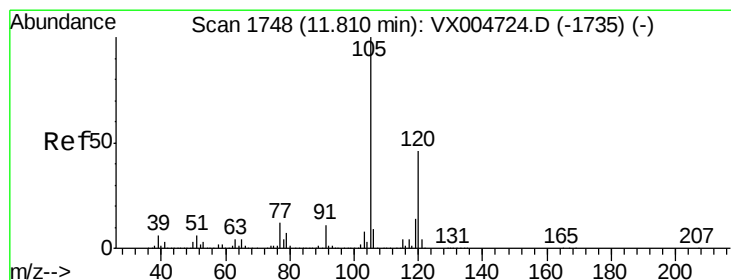
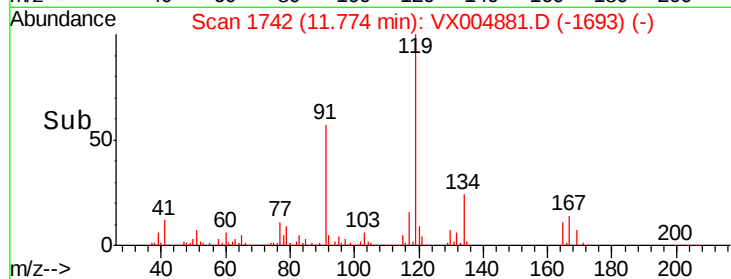
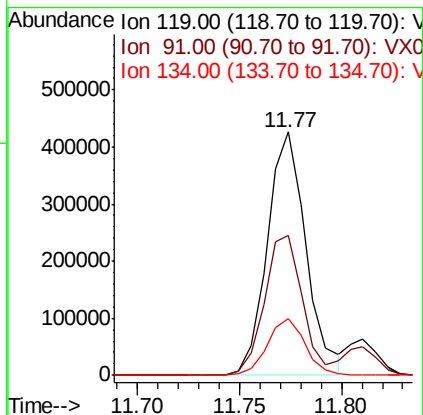
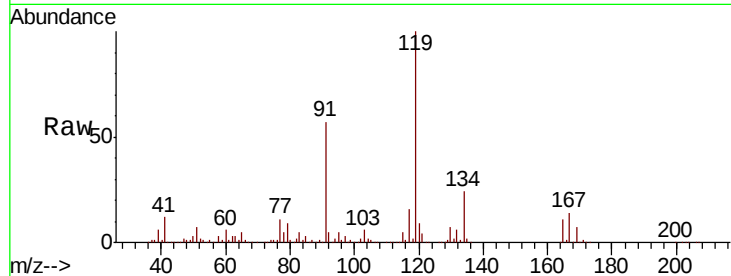




#83
tert-Butylbenzene
Concen: 56.572 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

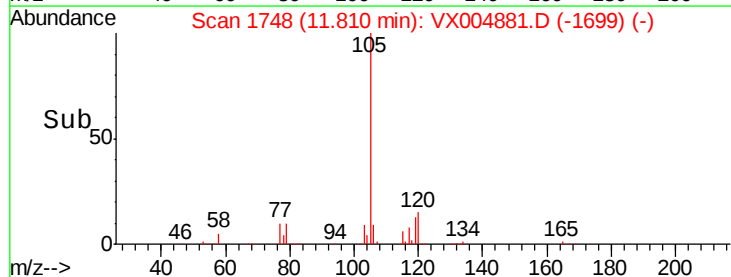
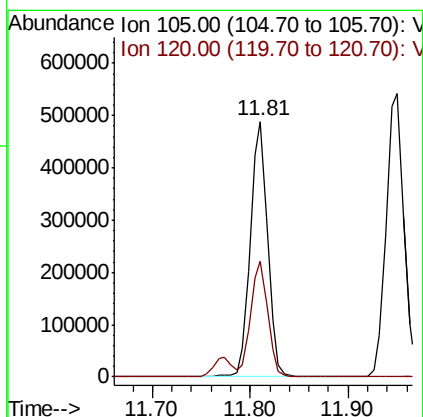
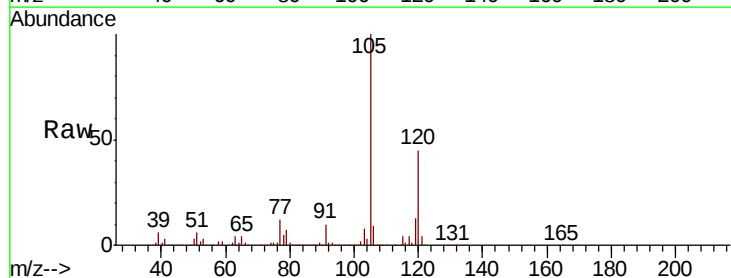
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

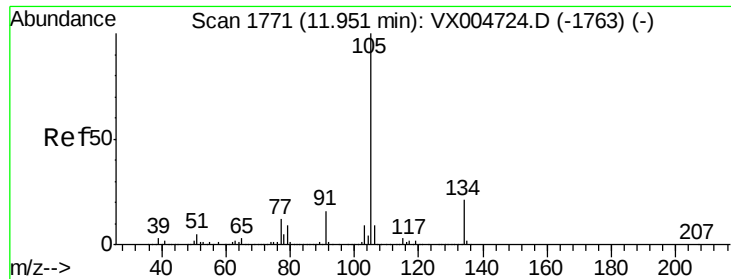
Tot Ion	Ratio	Lower	Upper
119	100		
91	56.0	27.0	81.0
134	23.0	11.7	35.1



#84
1,2,4-Trimethylbenzene
Concen: 52.419 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	23.2	69.6





#85

sec-Butylbenzene

Concen: 56.315 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

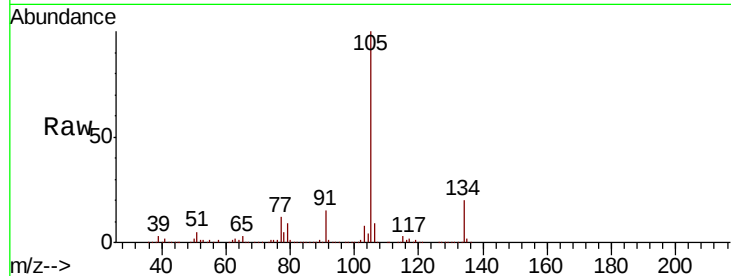
SA-TW502-0913MS

Tot Ion:105 Resp: 683844

Ion Ratio Lower Upper

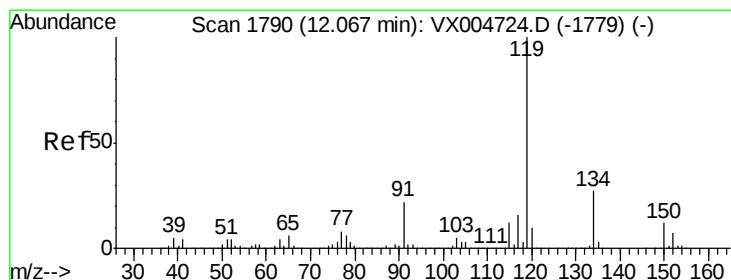
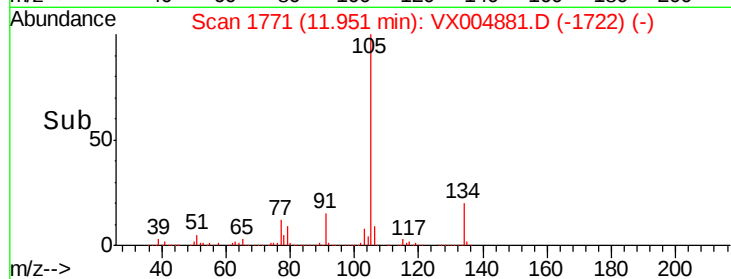
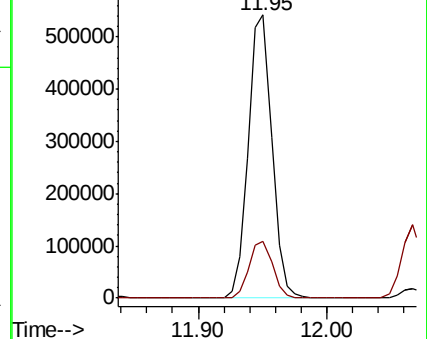
105 100

134 20.1 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.554 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004881.D

Acq: 01 Oct 2018 19:56

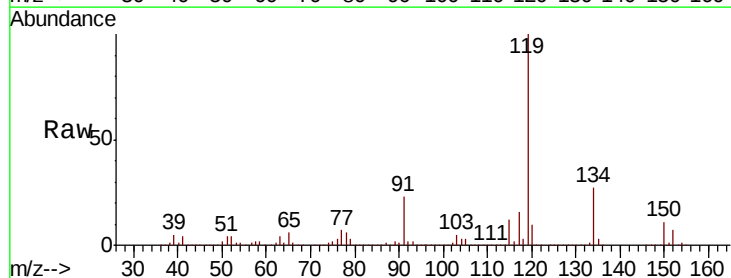
Tgt Ion:119 Resp: 611186

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

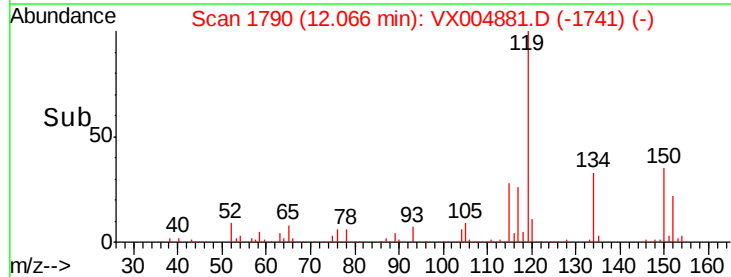
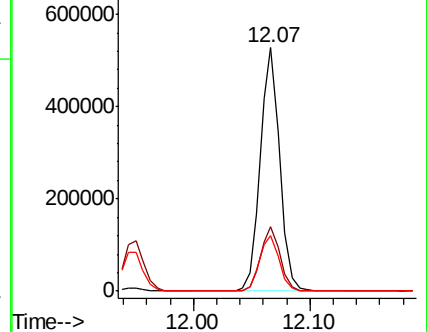
91 23.1 10.9 32.7

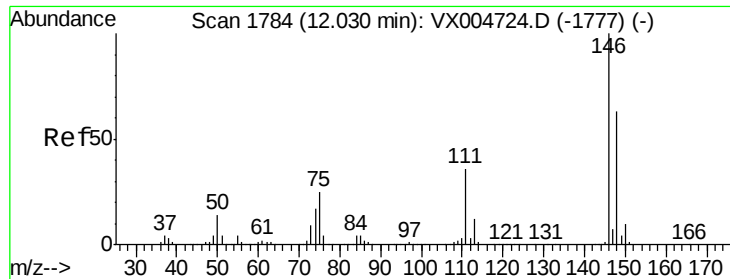


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

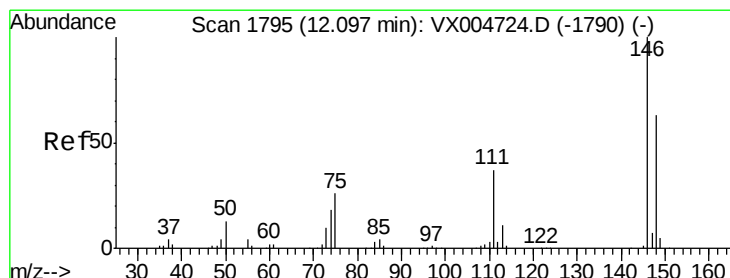
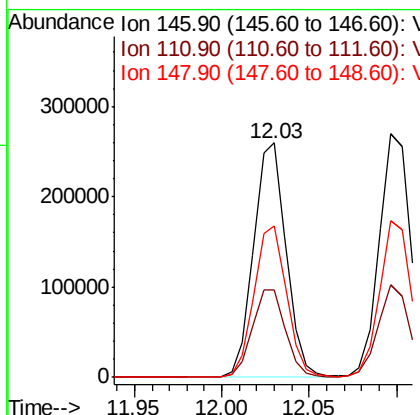
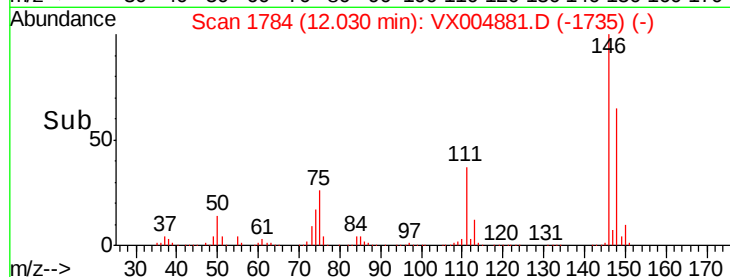
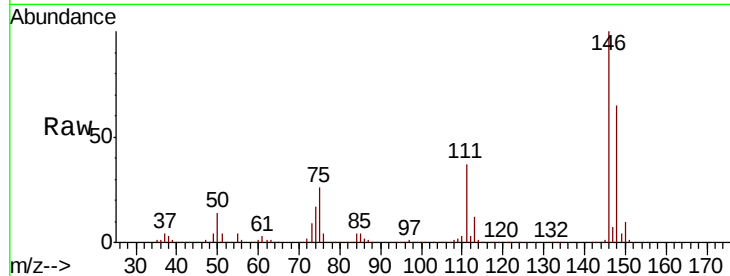




#87
 1,3-Dichlorobenzene
 Concen: 51.185 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

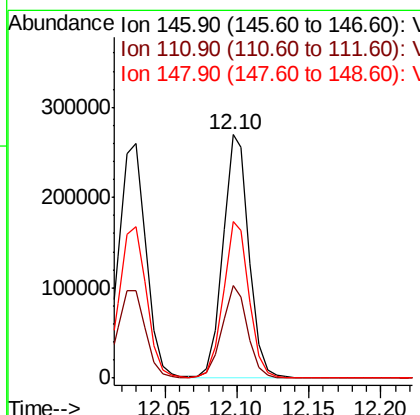
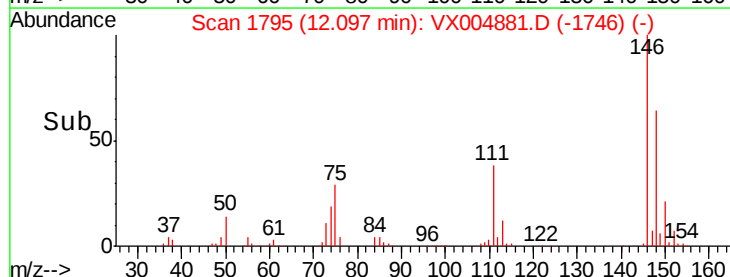
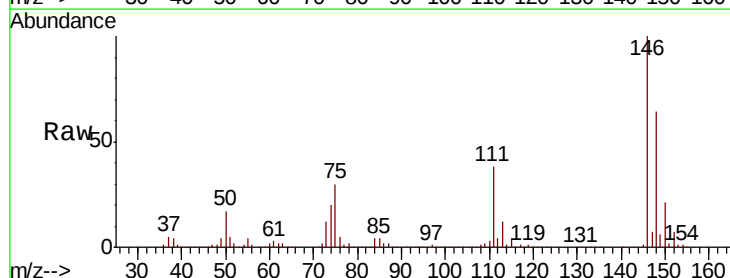
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

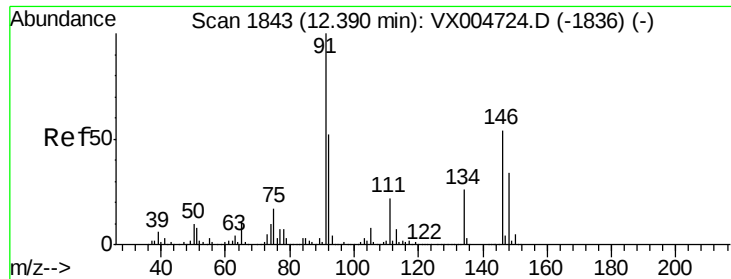
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.7	56.1
148	64.6	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 50.467 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	63.8	32.0	96.0

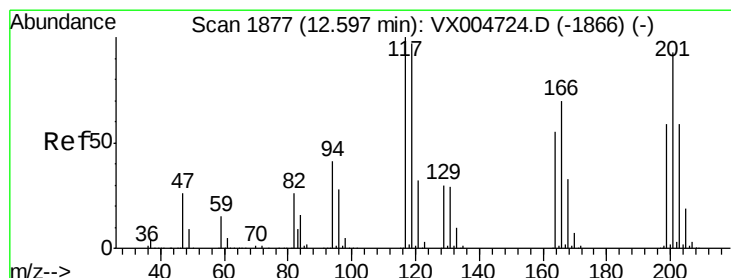
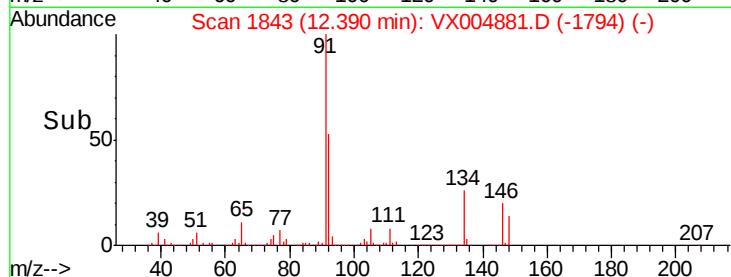
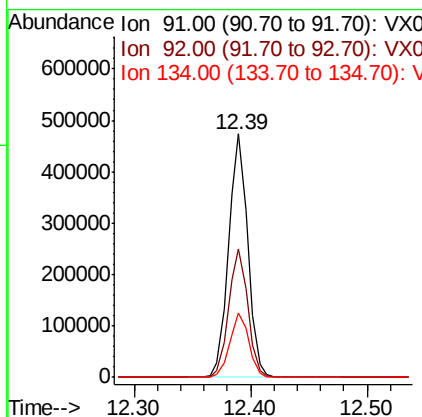
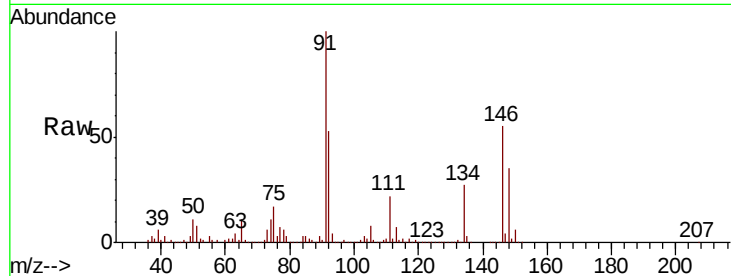




#89
n-Butylbenzene
Concen: 54.017 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

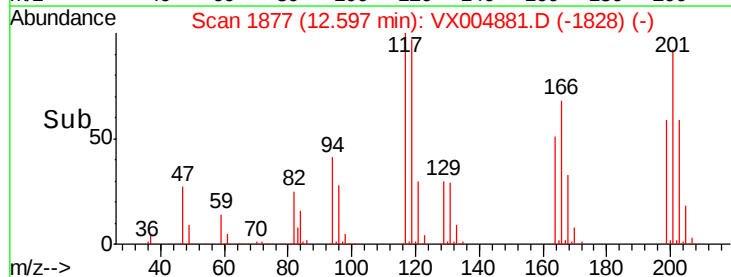
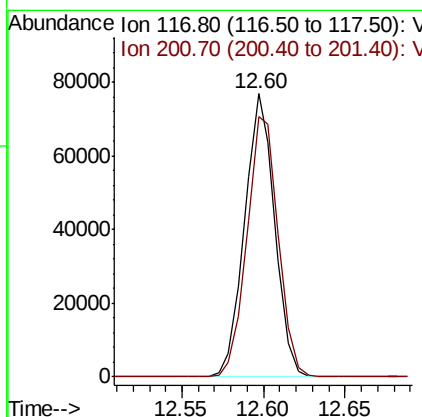
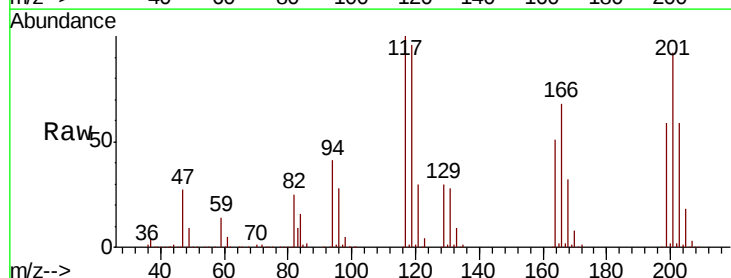
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

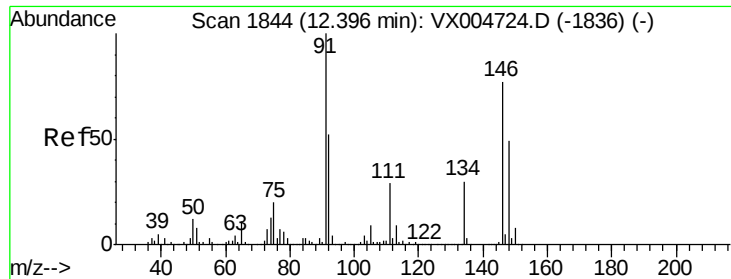
Tot Ion: 91 Resp: 539719
Ion Ratio Lower Upper
91 100
92 52.6 27.3 81.9
134 26.5 13.6 40.7



#90
Hexachloroethane
Concen: 53.805 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion: 117 Resp: 98557
Ion Ratio Lower Upper
117 100
201 96.1 46.9 140.6

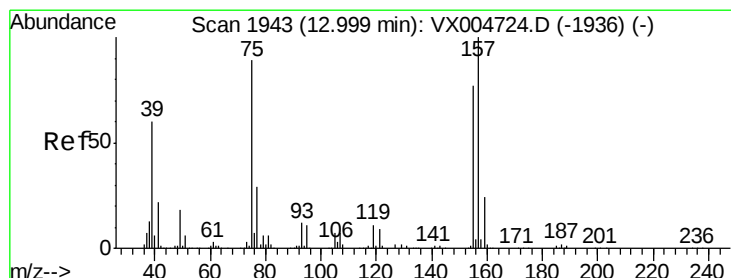
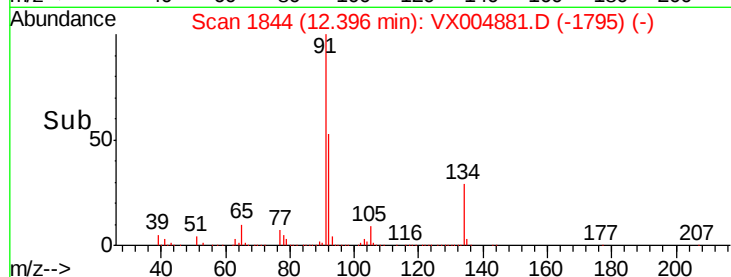
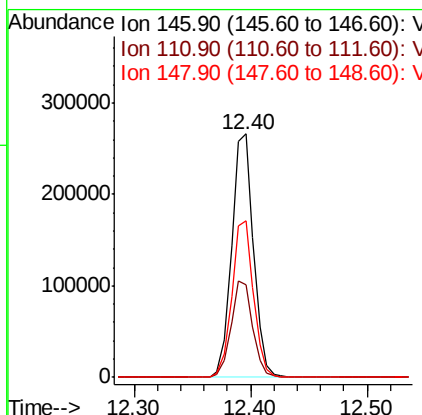
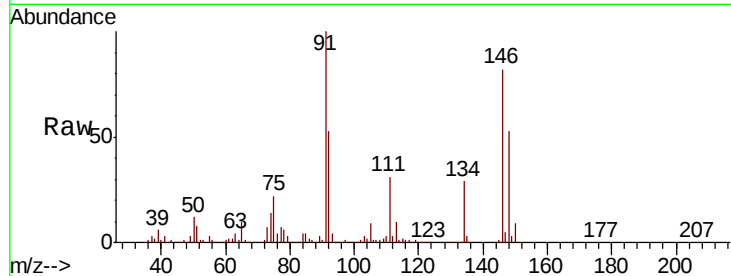




#91
 1,2-Dichlorobenzene
 Concen: 50.382 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

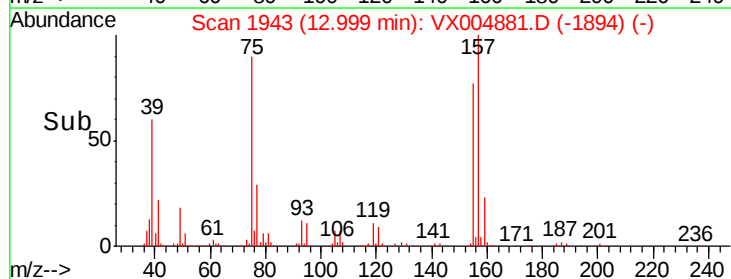
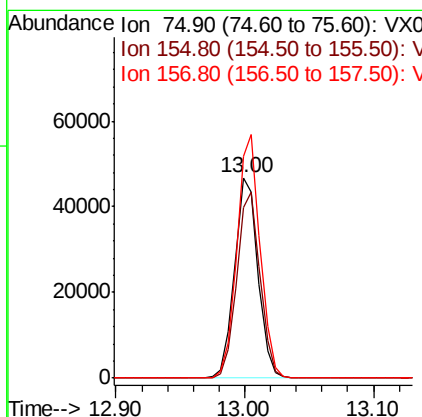
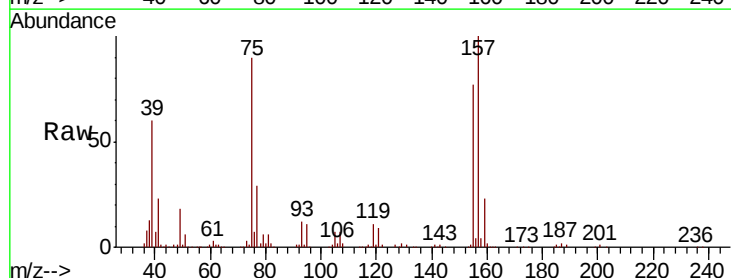
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

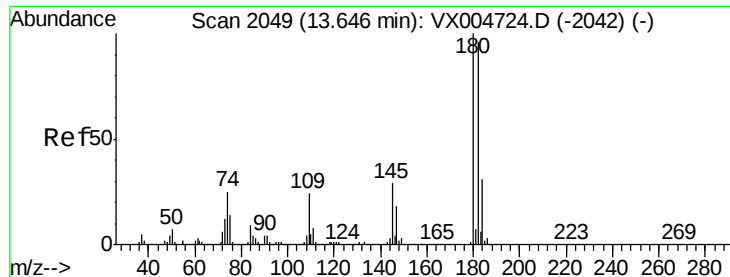
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.4	58.1
148	63.8	32.8	98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.874 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	48.0	144.2
157	119.2	61.4	184.1

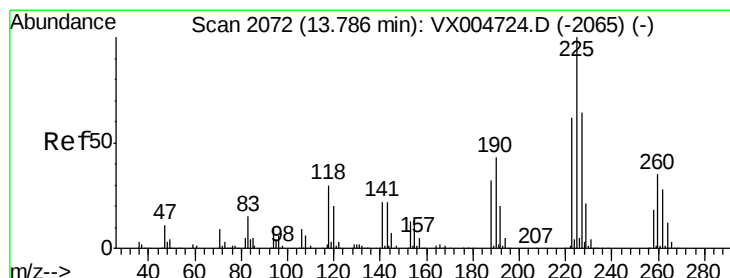
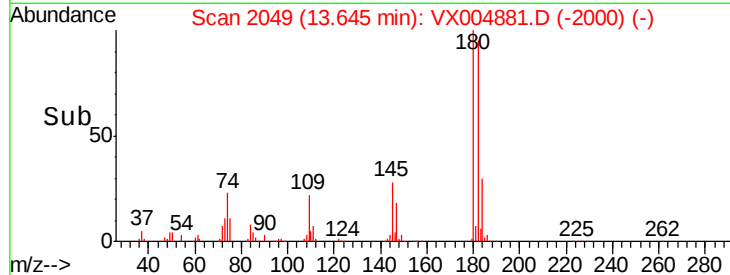
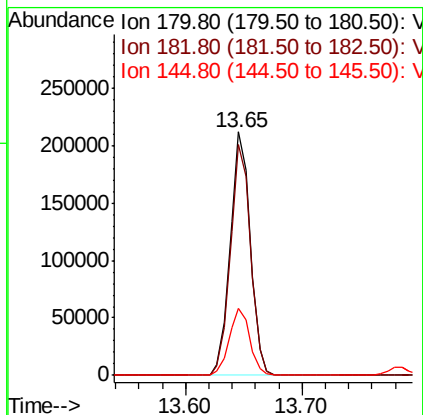
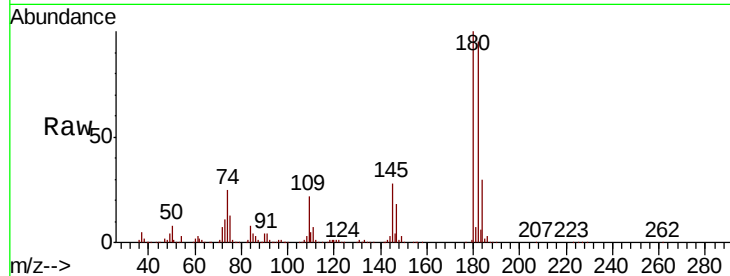




#93
 1,2,4-Trichlorobenzene
 Concen: 52.684 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

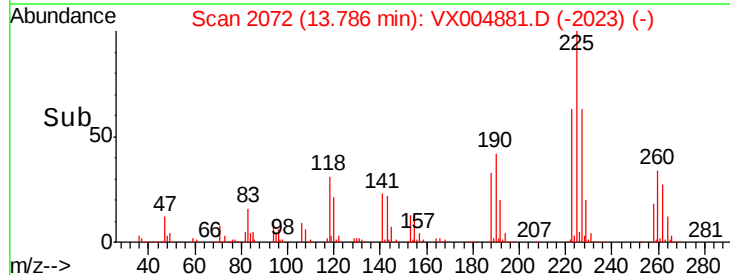
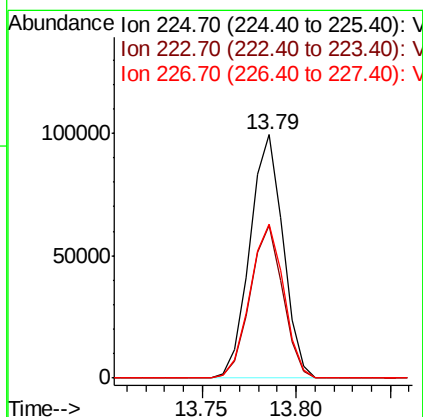
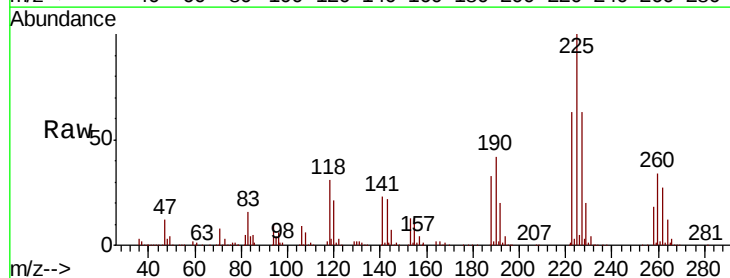
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913MS

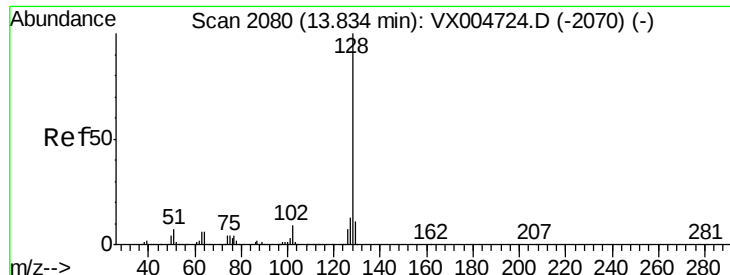
Tot Ion:180 Resp: 253641
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.4 145.0
 145 28.1 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 48.618 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004881.D
 Acq: 01 Oct 2018 19:56

Tgt Ion:225 Resp: 121375
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.1 90.5
 227 64.0 30.8 92.4

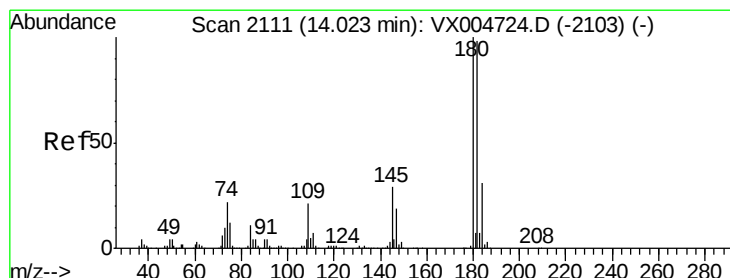
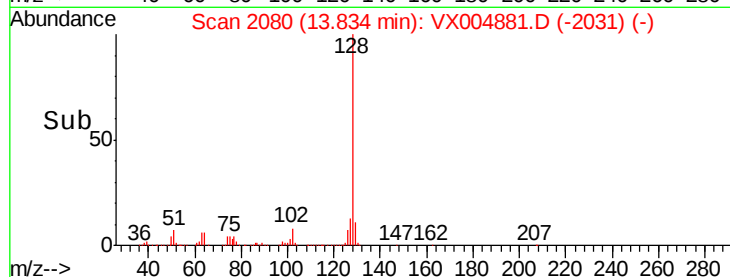
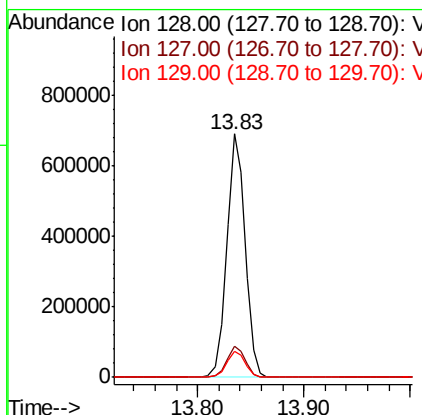
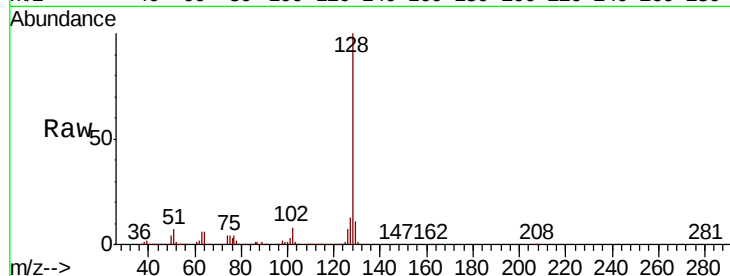




#95
Naphthalene
Concen: 51.994 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.474 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004881.D
Acq: 01 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.5	145.6
145	29.5	14.9	44.9

