

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090718\
 Data File : VX004424.D
 Acq On : 07 Sep 2018 23:39
 Operator : JC/MD
 Sample : VX0907WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

Quant Time: Sep 08 04:57:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	320586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	475373	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	437673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	277485	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	205423	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	5.50	113	179635	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	8.71	98	662937	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.14	95	255621	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	57628	15.52	ug/l	98
3) Chloromethane	1.32	50	69323	17.08	ug/l	98
4) Vinyl Chloride	1.40	62	76461	18.20	ug/l	98
5) Bromomethane	1.64	94	38032	17.03	ug/l	97
6) Chloroethane	1.72	64	56216	18.14	ug/l	100
7) Trichlorofluoromethane	1.93	101	110028	19.11	ug/l	94
8) Diethyl Ether	2.18	74	51411	20.86	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	69107	19.17	ug/l	100
10) Methyl Iodide	2.51	142	60027	17.76	ug/l	98
11) Tert butyl alcohol	3.07	59	105901	118.90	ug/l	99
12) 1,1-Dichloroethene	2.37	96	64465	18.98	ug/l	99
13) Acrolein	2.29	56	18735	87.25	ug/l	89
14) Allyl chloride	2.73	41	127217	20.39	ug/l	95
15) Acrylonitrile	3.15	53	240452	109.01	ug/l	100
16) Acetone	2.45	43	197623	111.38	ug/l	98
17) Carbon Disulfide	2.57	76	156460	17.12	ug/l	99
18) Methyl Acetate	2.78	43	175578	28.32	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	237965	21.26	ug/l	97
20) Methylene Chloride	2.85	84	80326	19.97	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	70566	18.77	ug/l	96
22) Diisopropyl ether	3.87	45	242360	20.80	ug/l	95
23) Vinyl Acetate	3.82	43	889434	94.19	ug/l	100
24) 1,1-Dichloroethane	3.69	63	137668	20.28	ug/l	99
25) 2-Butanone	4.70	43	303359	106.72	ug/l	100
26) 2,2-Dichloropropane	4.58	77	75147	14.11	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	82857	19.43	ug/l	97
28) Bromochloromethane	5.01	49	64560	21.48	ug/l	99
29) Tetrahydrofuran	5.16	42	191769	106.82	ug/l	100
30) Chloroform	5.21	83	138377	20.33	ug/l	98
31) Cyclohexane	5.57	56	109813	18.75	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	112192	19.76	ug/l	99
36) 1,1-Dichloropropene	5.79	75	97751	18.29	ug/l	99
37) Ethyl Acetate	4.86	43	104576	19.90	ug/l	99
38) Carbon Tetrachloride	5.78	117	96154	19.13	ug/l	95

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Quant Time: Sep 08 04:57:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	107552	17.63	ug/l	99
40) Benzene	6.14	78	311351	19.50	ug/l	99
41) Methacrylonitrile	5.06	41	63459	20.83	ug/l	99
42) 1,2-Dichloroethane	6.20	62	106009	19.46	ug/l	99
43) Isopropyl Acetate	6.46	43	163810	20.28	ug/l	99
44) Trichloroethene	7.21	130	84358	19.08	ug/l	95
45) 1,2-Dichloropropane	7.52	63	80356	20.11	ug/l	99
46) Dibromomethane	7.66	93	51929	19.51	ug/l	99
47) Bromodichloromethane	7.90	83	98720	19.94	ug/l	97
48) Methyl methacrylate	7.78	41	88416	20.46	ug/l	98
49) 1,4-Dioxane	7.76	88	44595	454.51	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	589250	100.42	ug/l	99
52) Toluene	8.79	92	199336	19.94	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	101415	18.54	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	115730	19.43	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	83398	20.67	ug/l	97
56) Ethyl methacrylate	9.18	69	110674	20.15	ug/l	98
57) 1,3-Dichloropropane	9.37	76	140634	20.68	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	289463	102.84	ug/l	99
59) 2-Hexanone	9.50	43	443081	98.97	ug/l	99
60) Dibromochloromethane	9.59	129	78906	20.07	ug/l	100
61) 1,2-Dibromoethane	9.67	107	84108	20.14	ug/l	99
64) Tetrachloroethene	9.34	164	93869	21.71	ug/l	99
65) Chlorobenzene	10.14	112	214286	19.51	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	77881	20.56	ug/l	99
67) Ethyl Benzene	10.25	91	357406	20.03	ug/l	92
68) m/p-Xylenes	10.36	106	280061	40.15	ug/l	98
69) o-Xylene	10.70	106	134778	20.43	ug/l	98
70) Styrene	10.71	104	229029	21.44	ug/l	98
71) Bromoform	10.86	173	60135	19.69	ug/l #	99
73) Isopropylbenzene	11.02	105	374759	20.56	ug/l	100
74) N-amyl acetate	10.90	43	137423	19.58	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	125615	19.70	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	136029	24.10	ug/l	87
77) Bromobenzene	11.26	156	101213	19.80	ug/l	97
78) n-propylbenzene	11.36	91	425769	20.31	ug/l	99
79) 2-Chlorotoluene	11.42	91	258725	20.05	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	310523	20.57	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	29469	16.94	ug/l	98
82) 4-Chlorotoluene	11.51	91	297844	19.62	ug/l	100
83) tert-Butylbenzene	11.77	119	301579	19.86	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	321386	20.74	ug/l	100
85) sec-Butylbenzene	11.94	105	377301	20.93	ug/l	99
86) p-Isopropyltoluene	12.07	119	337358	20.88	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	187131	19.44	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	189348	18.66	ug/l	98
89) n-Butylbenzene	12.39	91	275756	20.99	ug/l	97
90) Hexachloroethane	12.60	117	45127	19.98	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	183767	20.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21949	19.54	ug/l	94

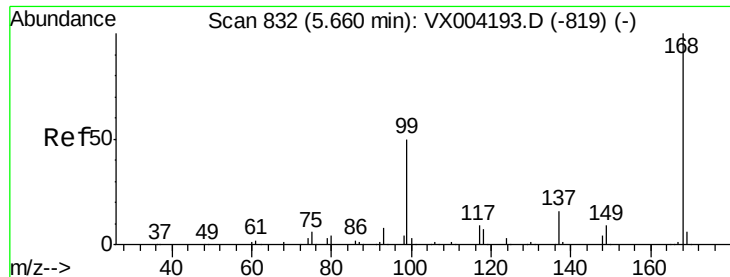
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090718\
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Quant Time: Sep 08 04:57:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	127740	19.96	ug/l	100
94) Hexachlorobutadiene	13.79	225	64012	21.42	ug/l	97
95) Naphthalene	13.83	128	390593	21.58	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	140985	20.81	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

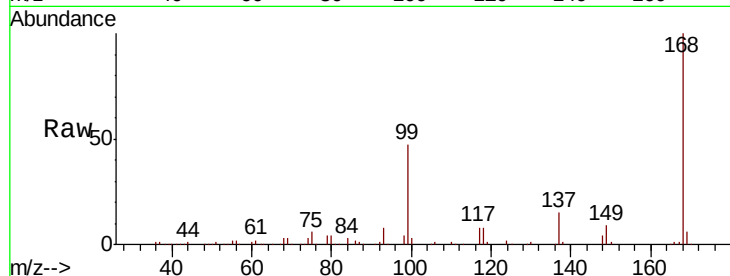
VX0907WBS02

Tot Ion:168 Resp: 320586

Ion Ratio Lower Upper

168 100

99 47.1 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

120000

100000

80000

60000

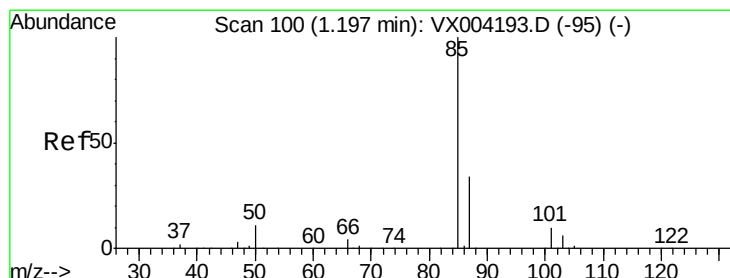
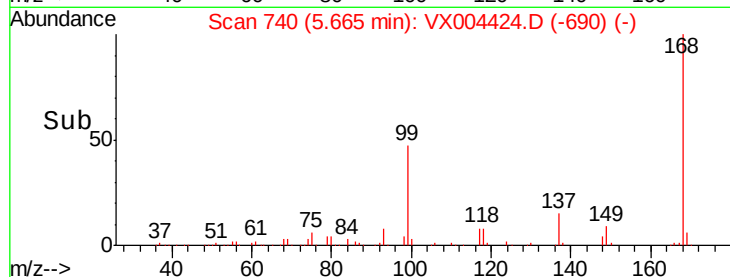
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 15.52 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004424.D

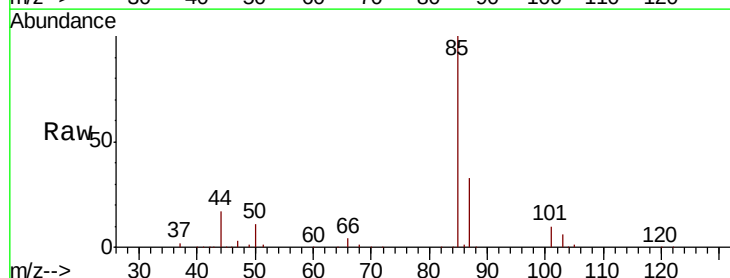
Acq: 07 Sep 2018 23:39

Tgt Ion: 85 Resp: 57628

Ion Ratio Lower Upper

85 100

87 32.6 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

60000

50000

40000

30000

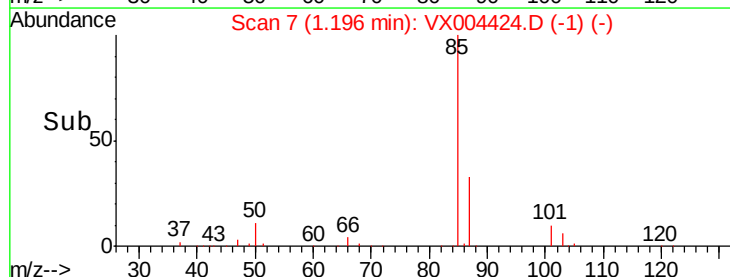
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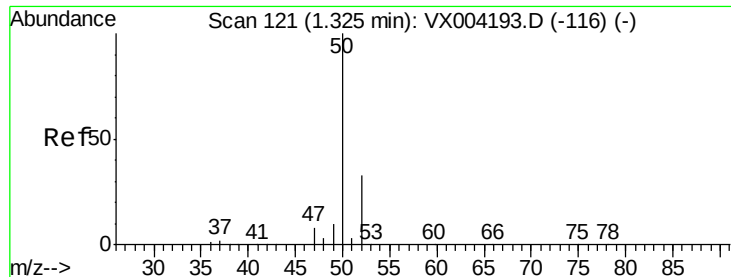
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.08 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

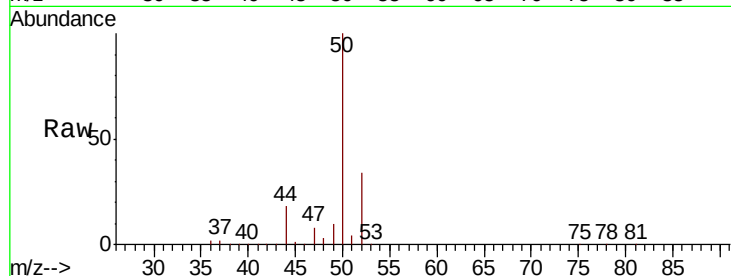
VX0907WBS02

Tot Ion: 50 Resp: 69323

Ion Ratio Lower Upper

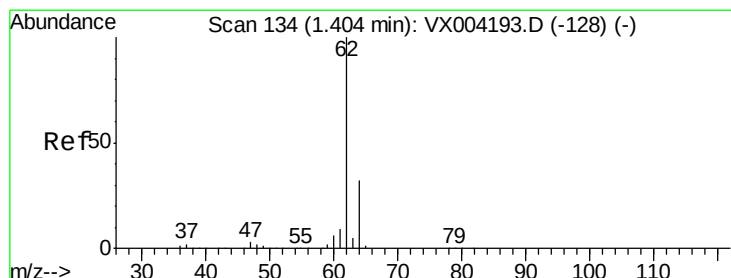
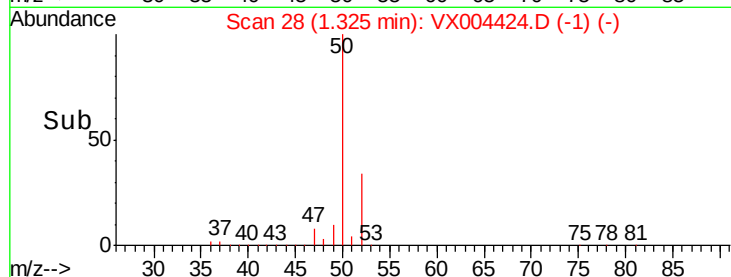
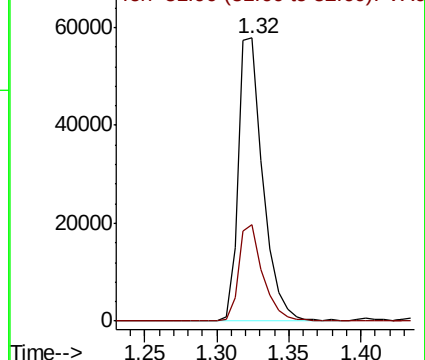
50 100

52 33.9 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: 18.20 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004424.D

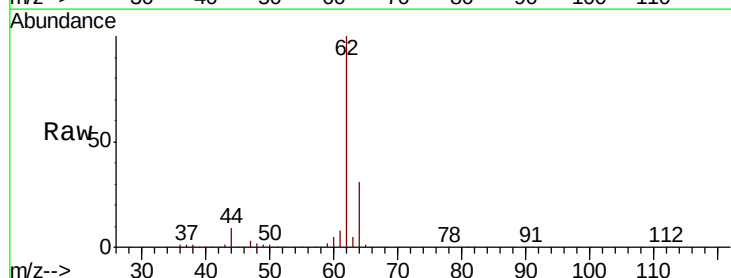
Acq: 07 Sep 2018 23:39

Tgt Ion: 62 Resp: 76461

Ion Ratio Lower Upper

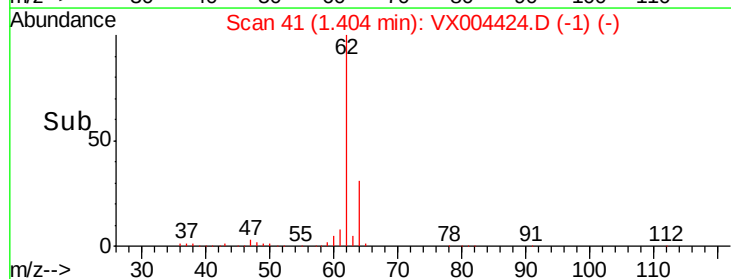
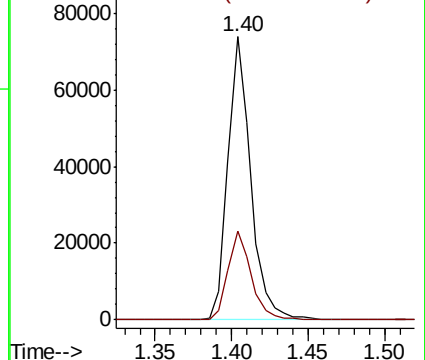
62 100

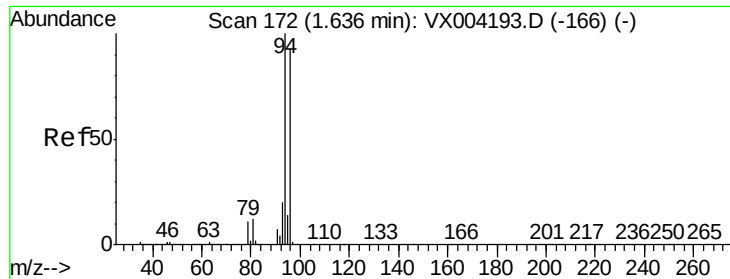
64 31.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.03 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

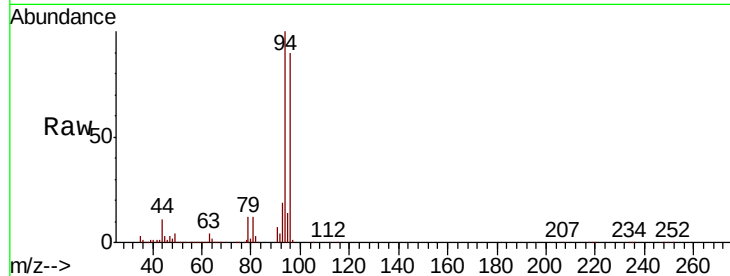
VX0907WBS02

Tot Ion: 94 Resp: 38032

Ion Ratio Lower Upper

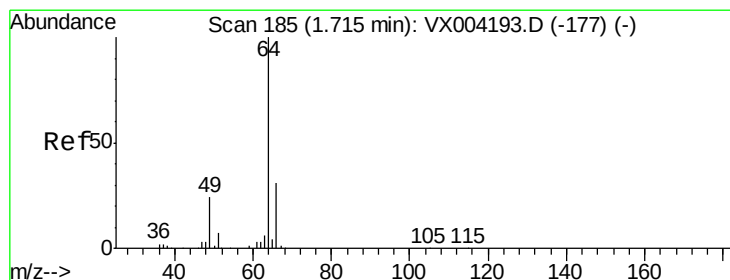
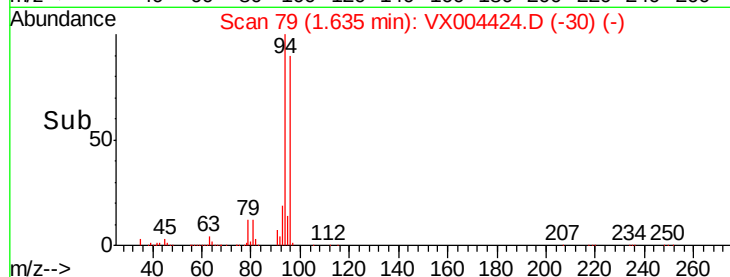
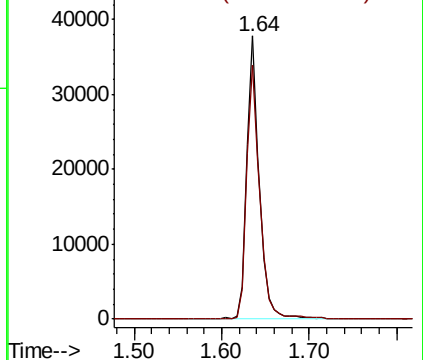
94 100

96 89.8 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: 18.14 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004424.D

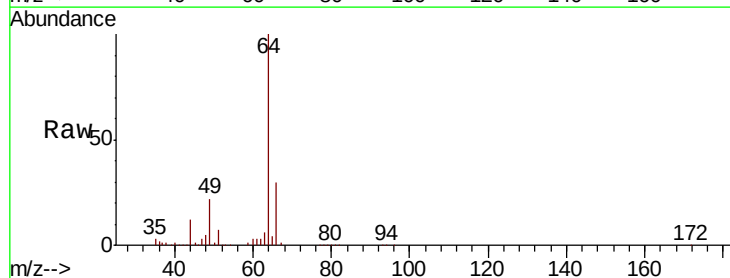
Acq: 07 Sep 2018 23:39

Tgt Ion: 64 Resp: 56216

Ion Ratio Lower Upper

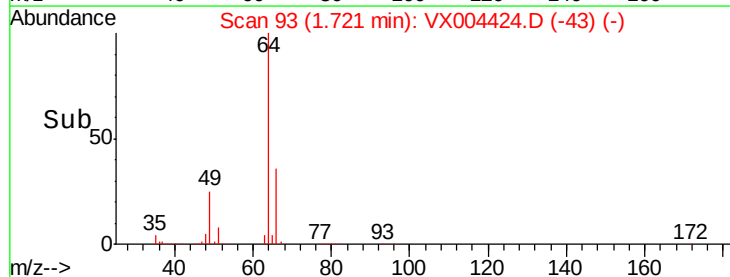
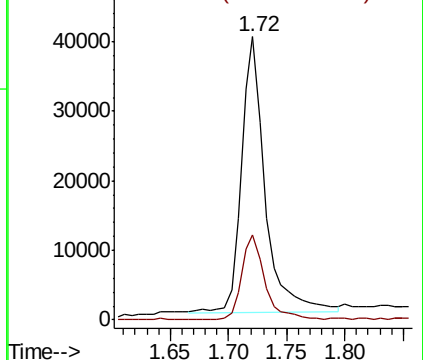
64 100

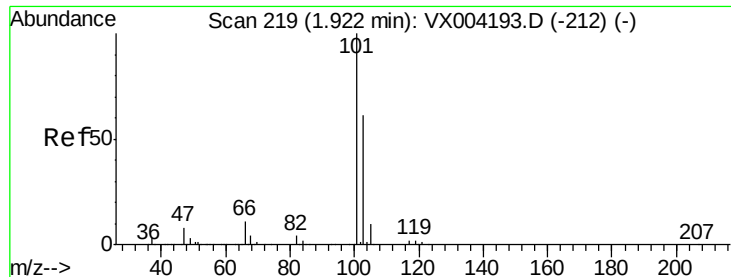
66 30.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



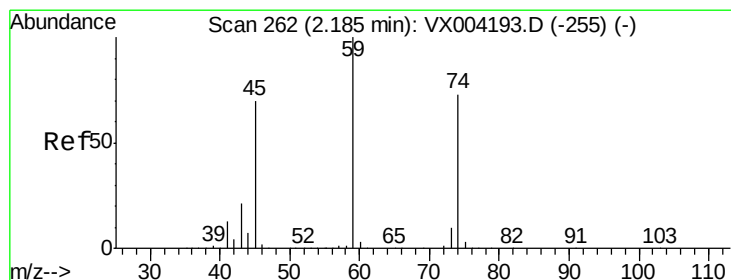
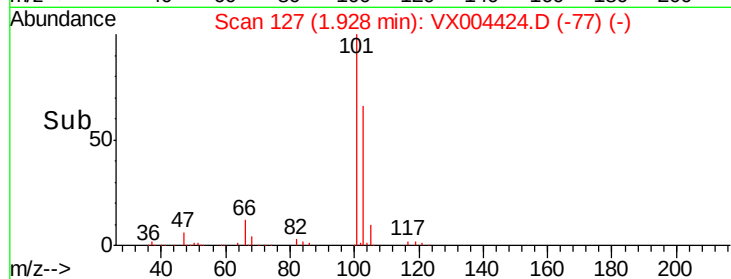
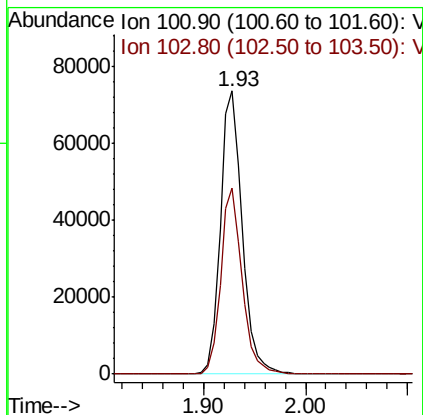
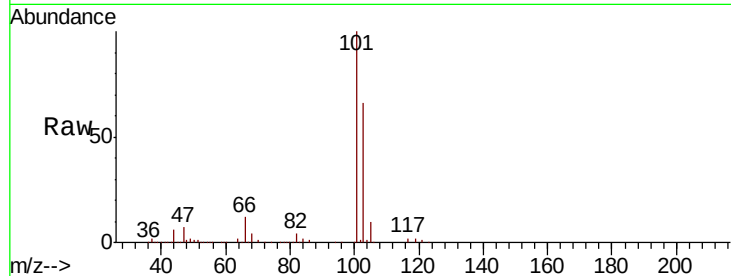


#7

Trichlorofluoromethane
Concen: 19.11 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

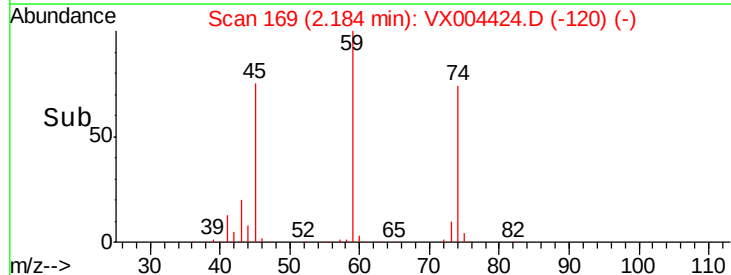
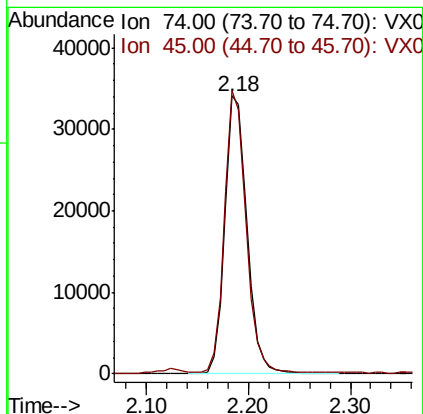
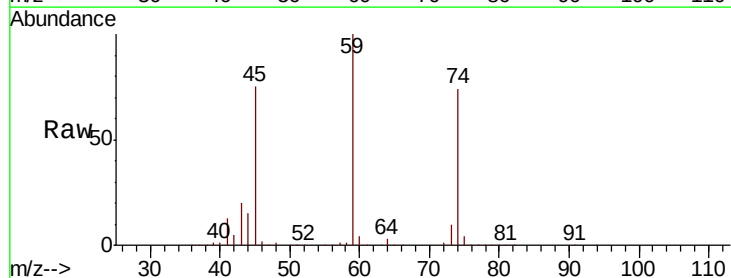
Tot Ion:101 Resp: 110028
Ion Ratio Lower Upper
101 100
103 65.9 48.9 73.3

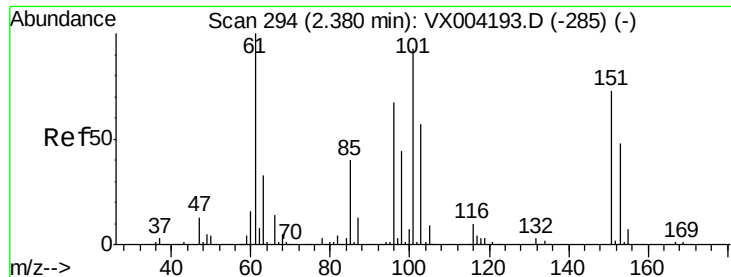


#8

Diethyl Ether
Concen: 20.86 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion: 74 Resp: 51411
Ion Ratio Lower Upper
74 100
45 98.5 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.17 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

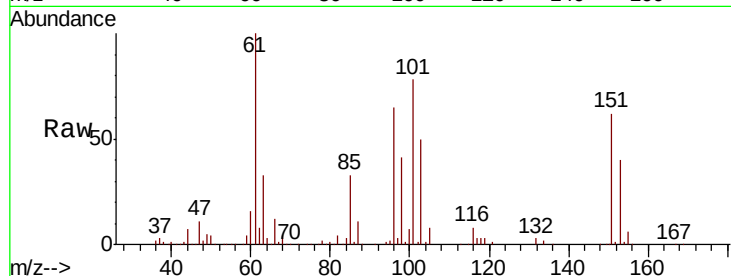
Tot Ion:101 Resp: 69107

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.4

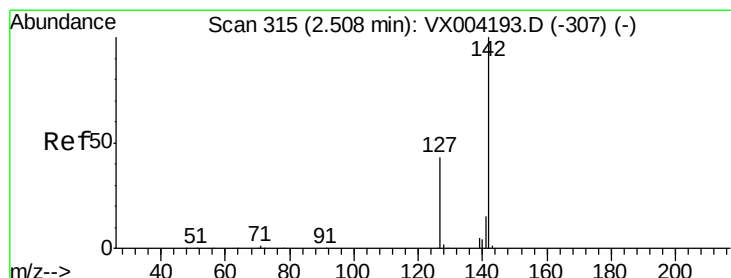
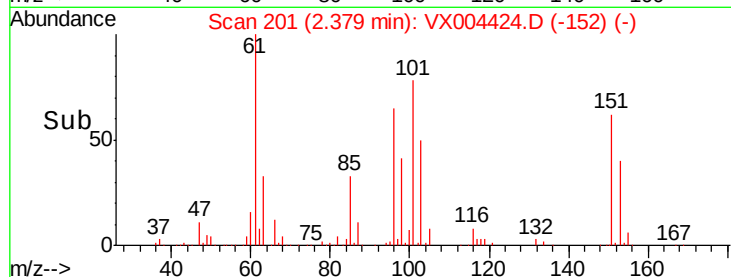
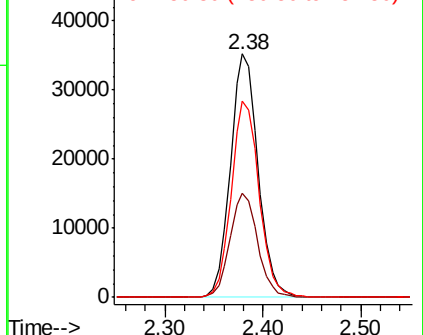
151 81.1 65.0 97.6



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: 17.76 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

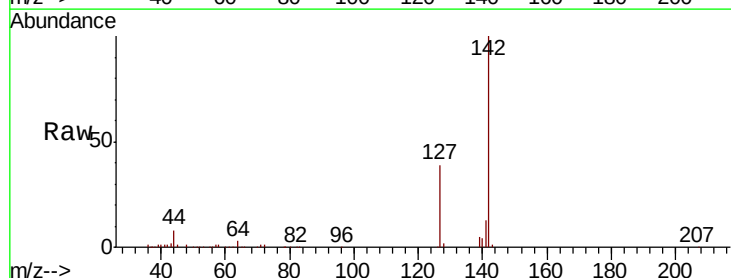
Tgt Ion:142 Resp: 60027

Ion Ratio Lower Upper

142 100

127 40.4 33.8 50.6

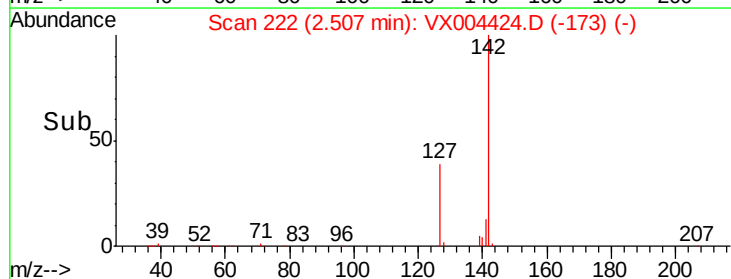
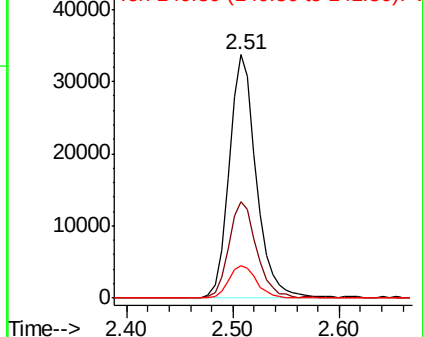
141 14.0 11.4 17.0

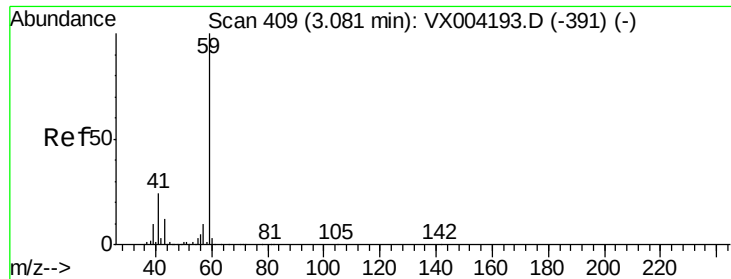


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

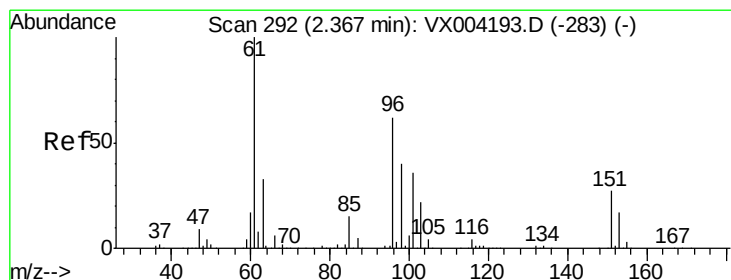
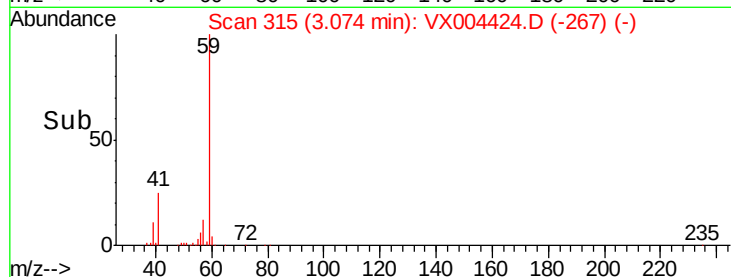
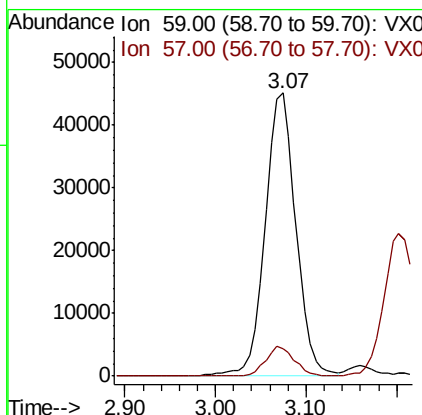
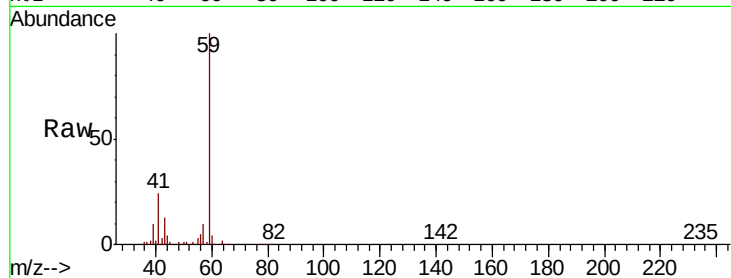




#11
Tert butyl alcohol
Concen: 118.90 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

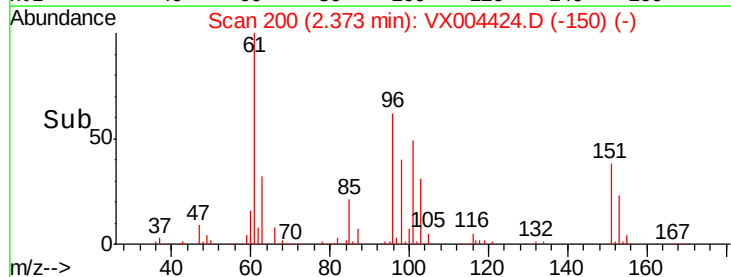
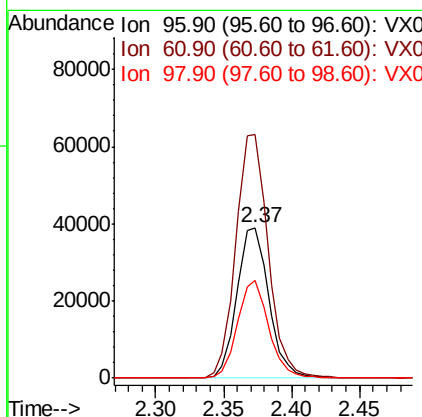
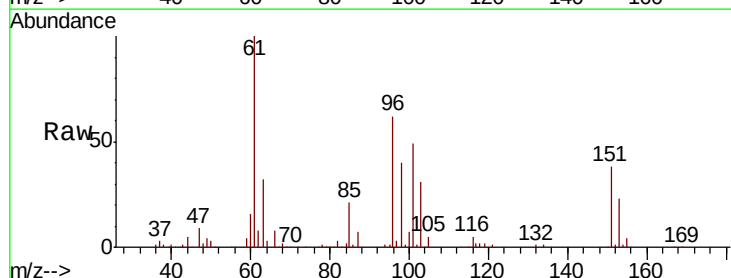
Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

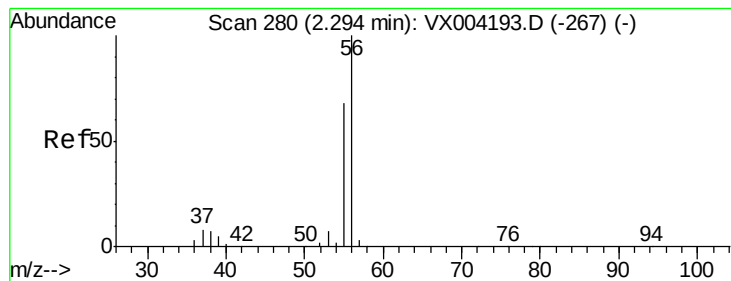
Tot Ion: 59 Resp: 105901
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4



#12
1,1-Dichloroethene
Concen: 18.98 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion: 96 Resp: 64465
Ion Ratio Lower Upper
96 100
61 161.9 128.8 193.2
98 64.9 52.2 78.2





#13

Acrolein

Concen: 87.25 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

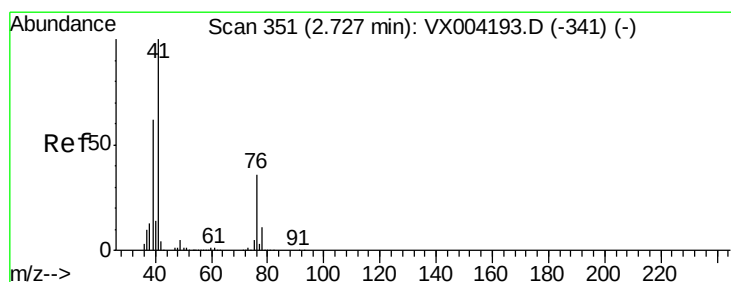
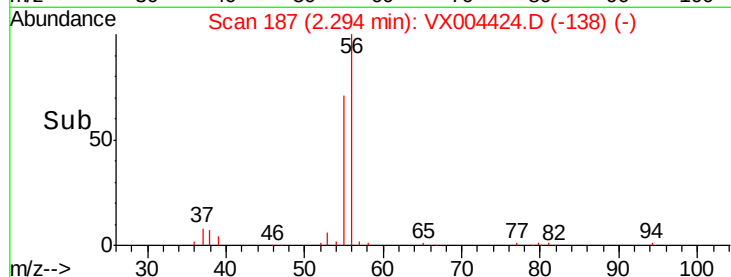
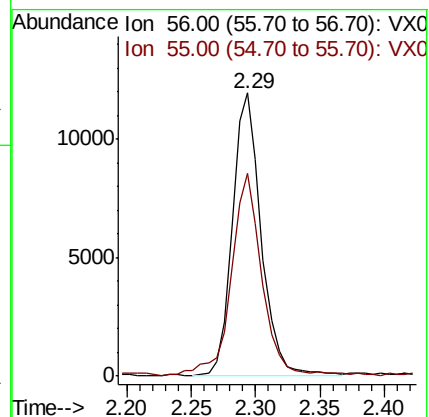
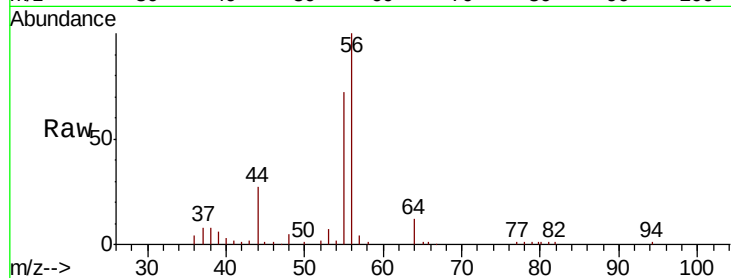
VX0907WBS02

Tot Ion: 56 Resp: 18735

Ion Ratio Lower Upper

56 100

55 77.2 54.7 82.1



#14

Allyl chloride

Concen: 20.39 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

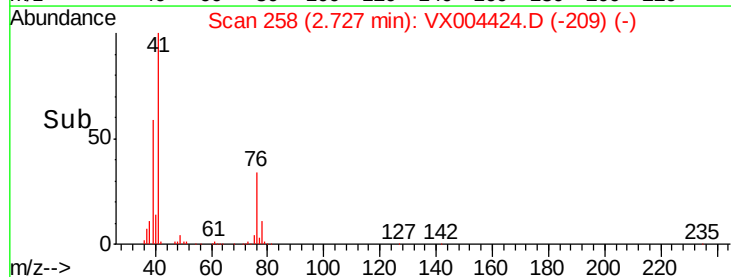
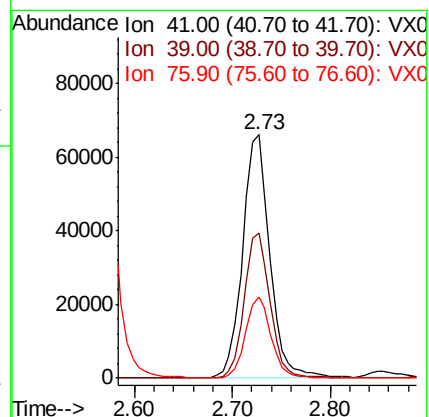
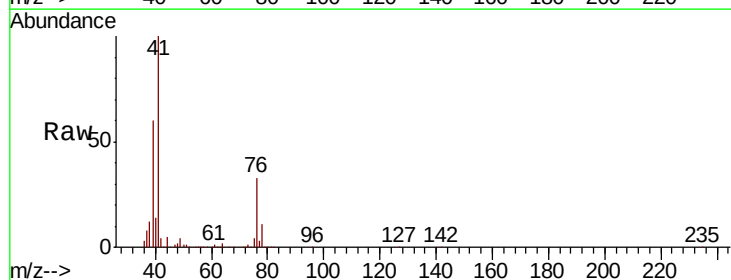
Tgt Ion: 41 Resp: 127217

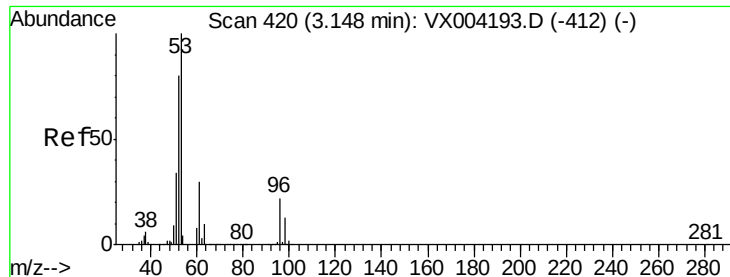
Ion Ratio Lower Upper

41 100

39 56.4 48.9 73.3

76 31.5 26.7 40.1





#15

Acrylonitrile

Concen: 109.01 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

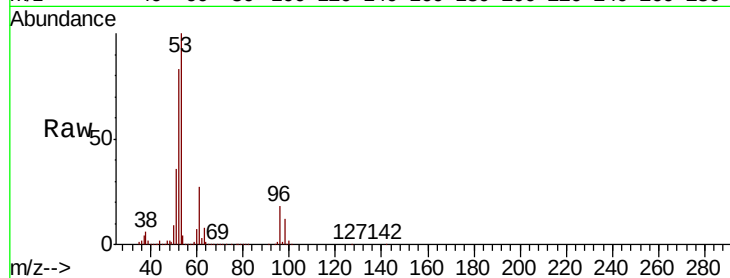
Tot Ion: 53 Resp: 240452

Ion Ratio Lower Upper

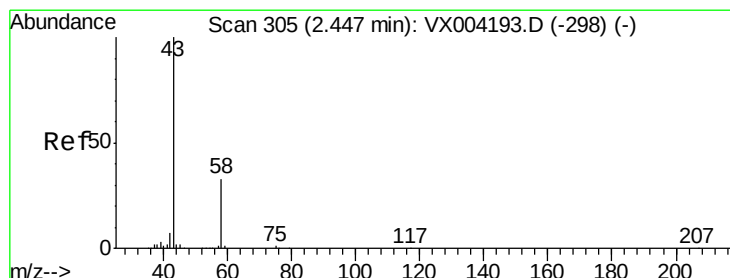
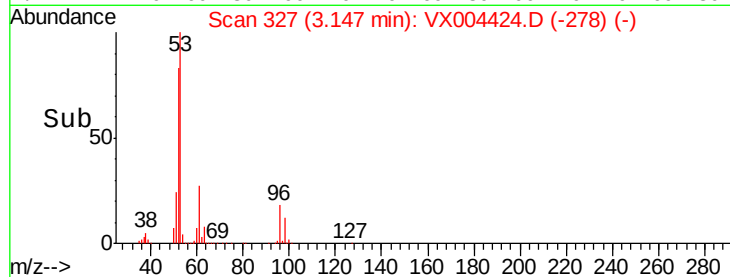
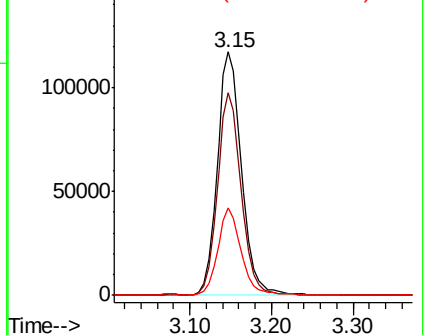
53 100

52 81.4 65.2 97.8

51 35.0 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: 111.38 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004424.D

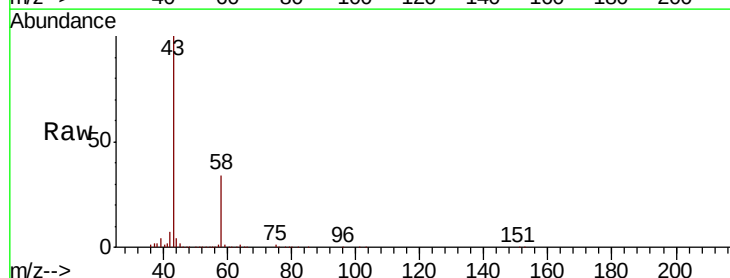
Acq: 07 Sep 2018 23:39

Tgt Ion: 43 Resp: 197623

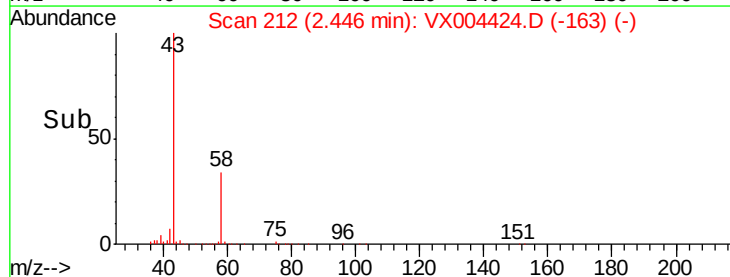
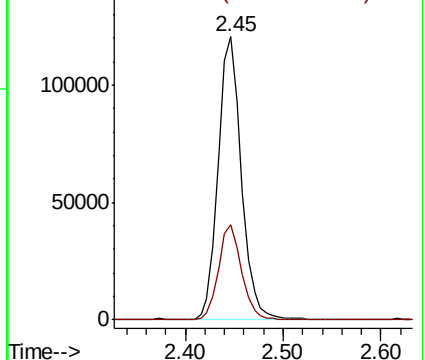
Ion Ratio Lower Upper

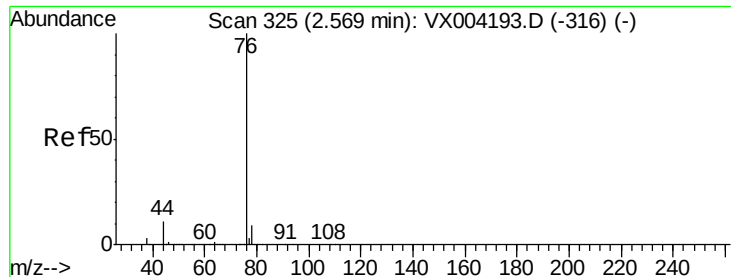
43 100

58 33.9 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: 17.12 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

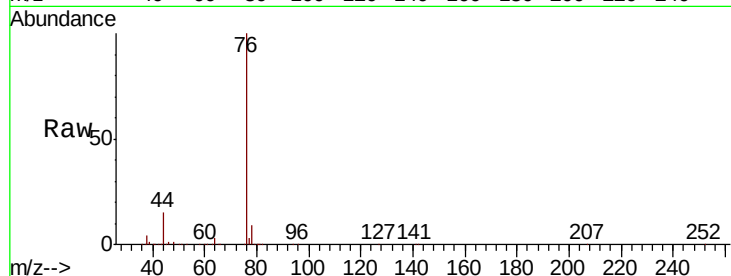
VX0907WBS02

Tot Ion: 76 Resp: 156460

Ion Ratio Lower Upper

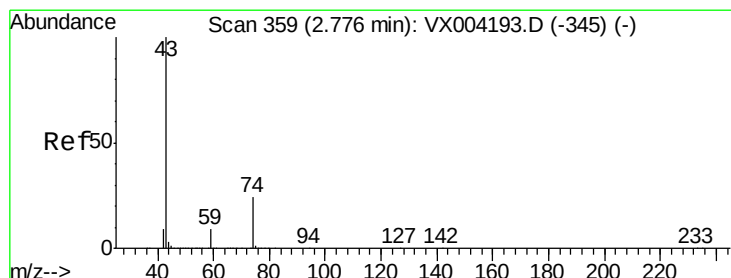
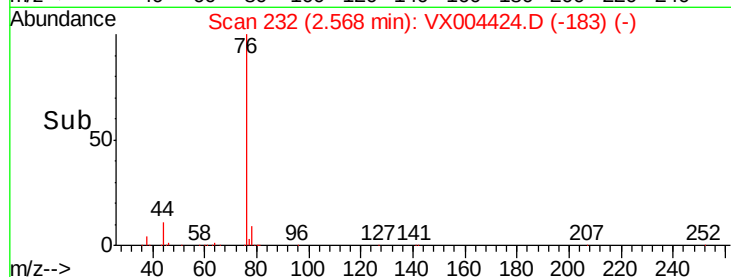
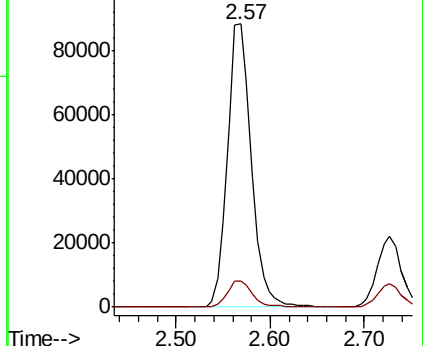
76 100

78 9.3 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: 28.32 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004424.D

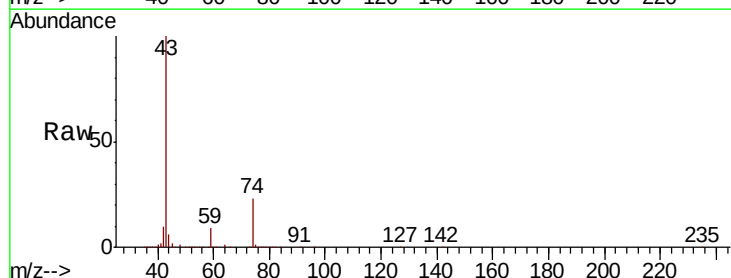
Acq: 07 Sep 2018 23:39

Tgt Ion: 43 Resp: 175578

Ion Ratio Lower Upper

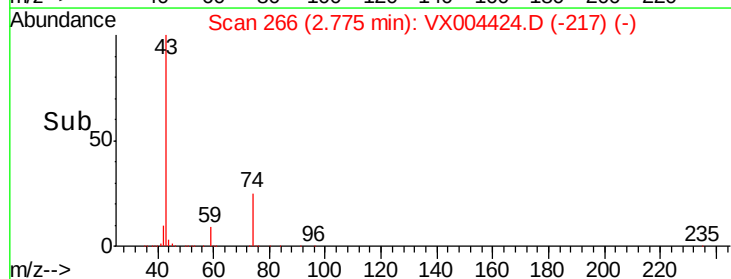
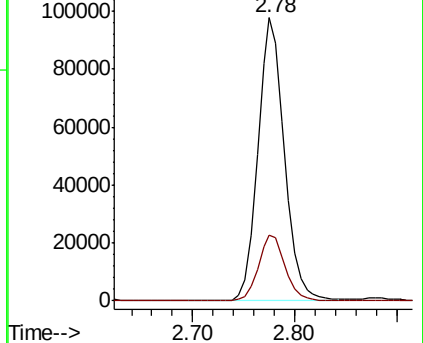
43 100

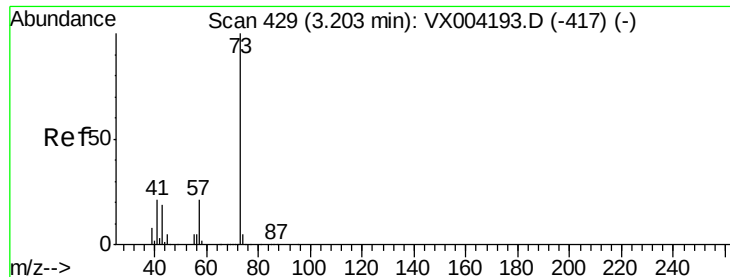
74 24.0 19.4 29.2



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: 21.26 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

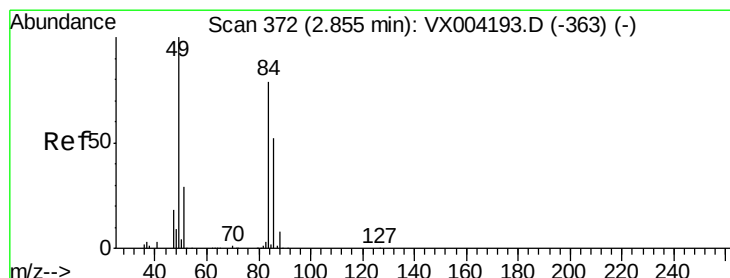
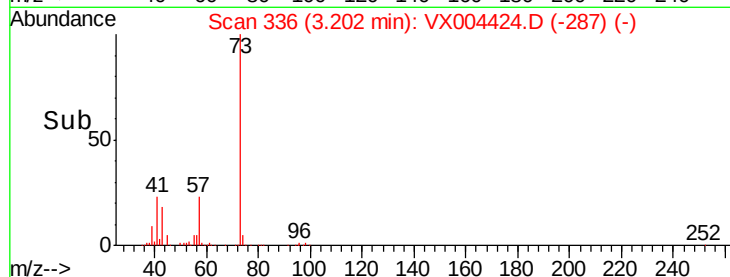
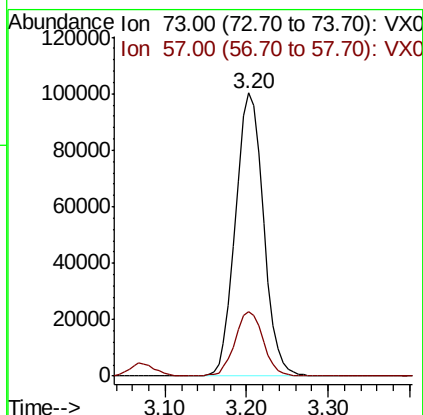
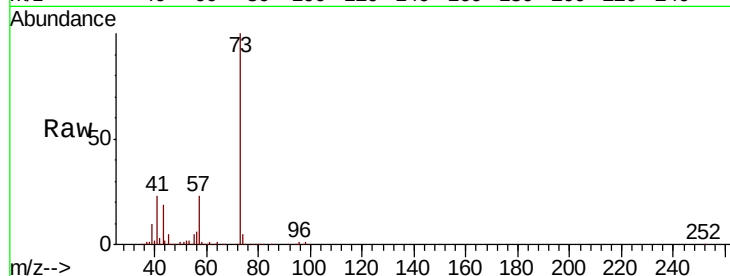
VX0907WBS02

Tot Ion: 73 Resp: 237965

Ion Ratio Lower Upper

73 100

57 22.7 17.1 25.7



#20

Methylene Chloride

Concen: 19.97 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Tgt Ion: 84 Resp: 80326

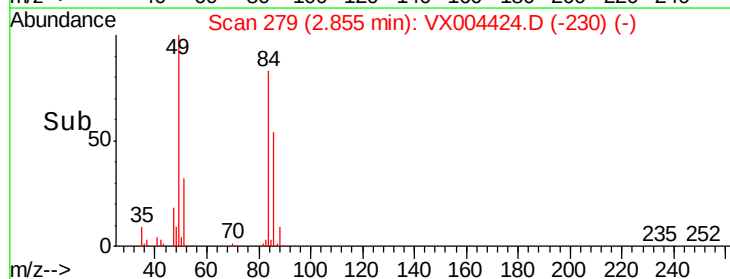
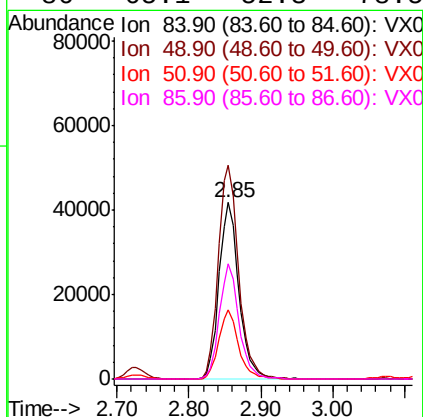
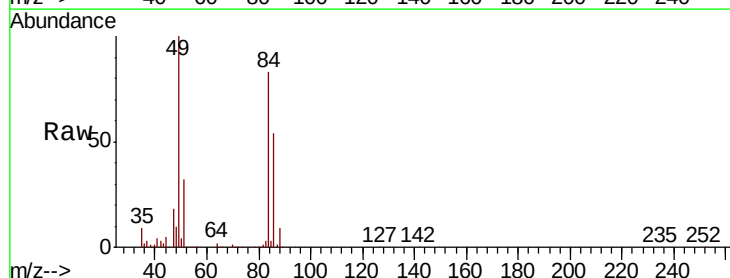
Ion Ratio Lower Upper

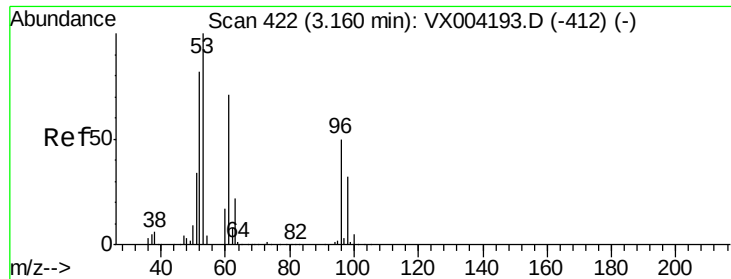
84 100

49 121.1 101.2 151.8

51 38.9 29.5 44.3

86 65.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.77 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

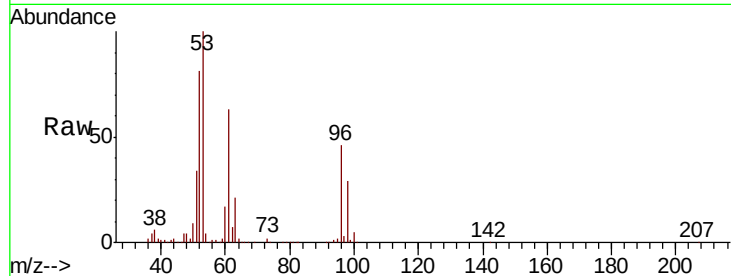
Tot Ion: 96 Resp: 70566

Ion Ratio Lower Upper

96 100

61 136.4 113.8 170.6

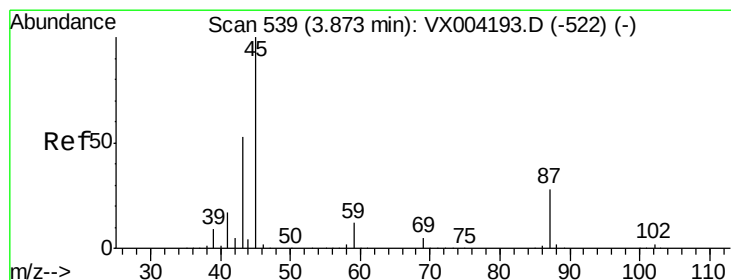
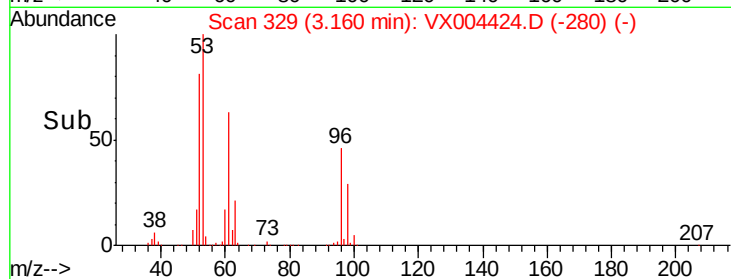
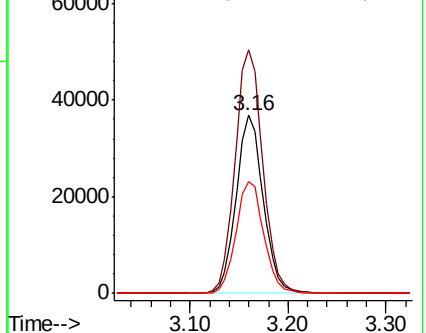
98 62.9 51.8 77.8



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: 20.80 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Tgt Ion: 45 Resp: 242360

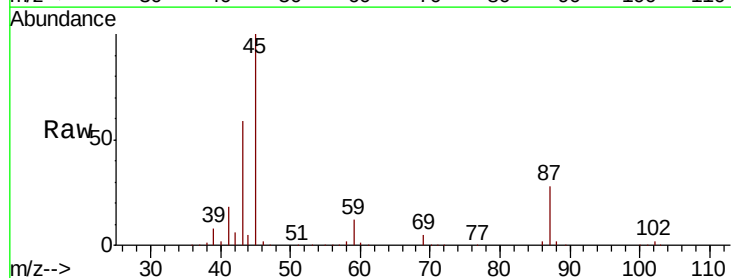
Ion Ratio Lower Upper

45 100

43 58.5 42.8 64.2

87 27.5 22.6 34.0

59 11.8 9.6 14.4

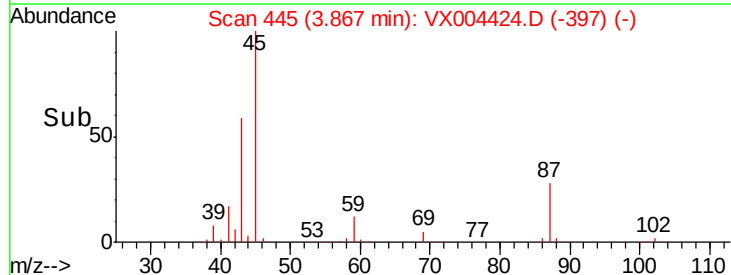
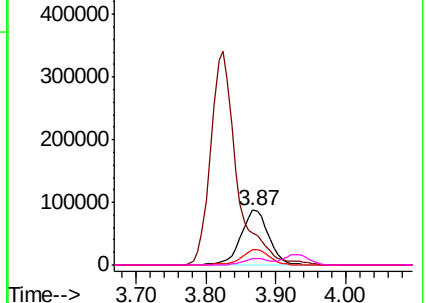


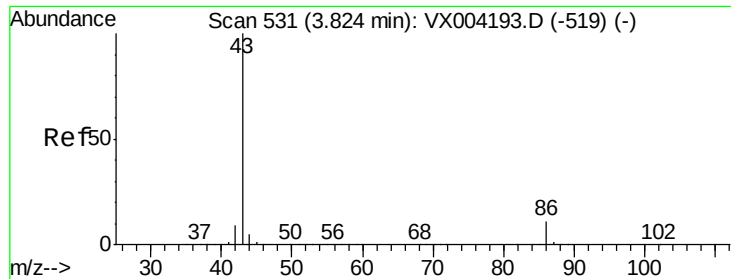
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 94.19 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

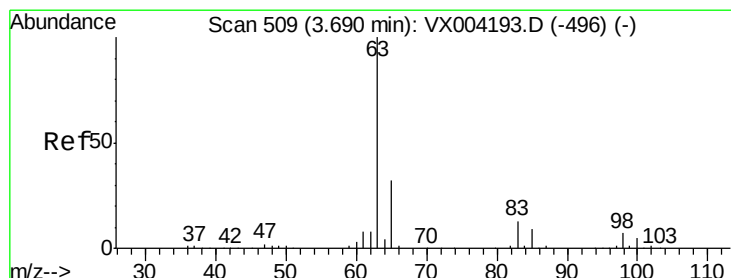
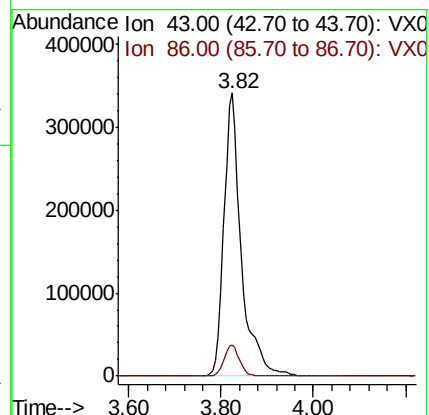
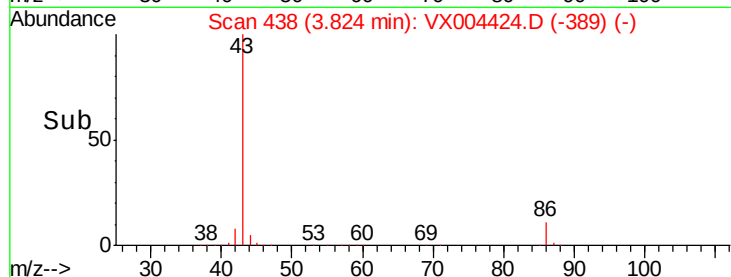
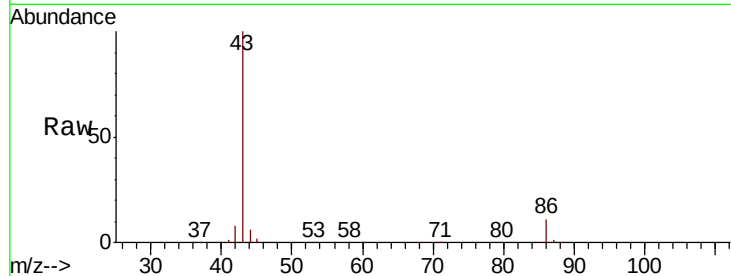
VX0907WBS02

Tot Ion: 43 Resp: 889434

Ion Ratio Lower Upper

43 100

86 11.1 8.9 13.3



#24

1,1-Dichloroethane

Concen: 20.28 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

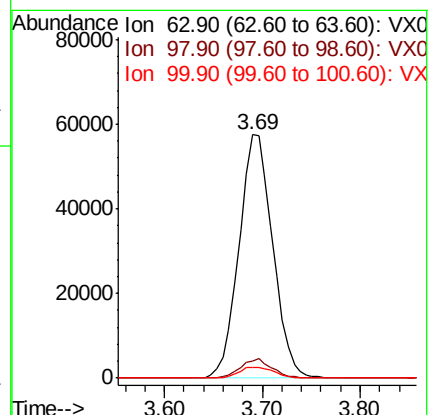
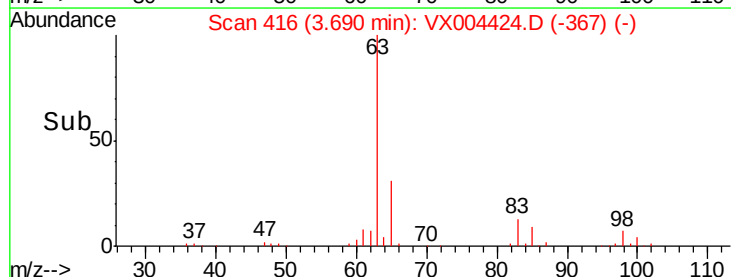
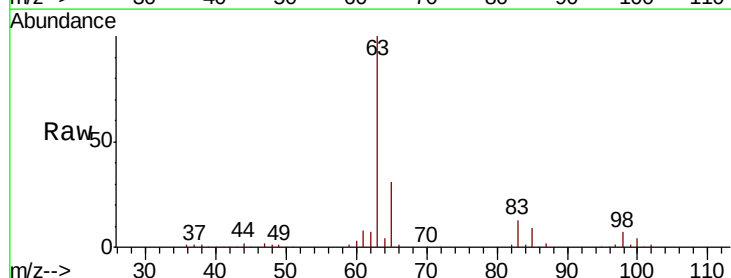
Tgt Ion: 63 Resp: 137668

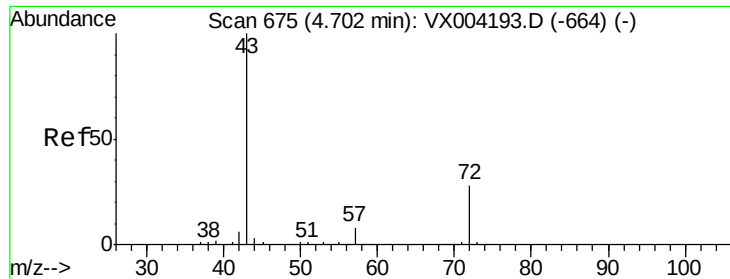
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.3 2.4 7.1





#25

2-Butanone

Concen: 106.72 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

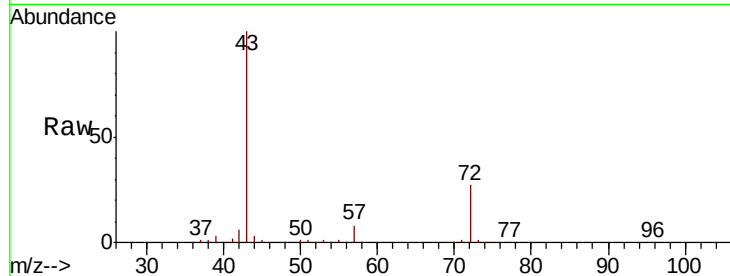
VX0907WBS02

Tot Ion: 43 Resp: 303359

Ion Ratio Lower Upper

43 100

72 27.4 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

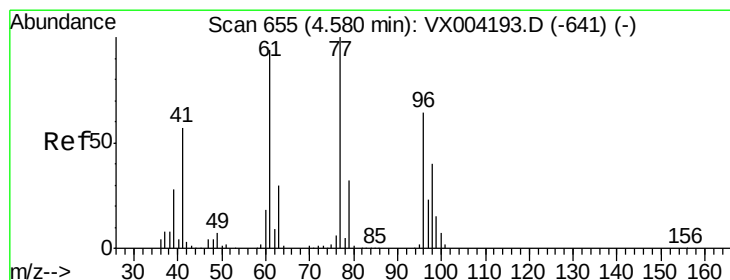
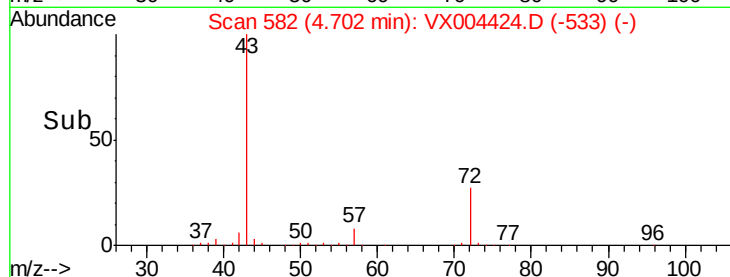
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 14.11 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004424.D

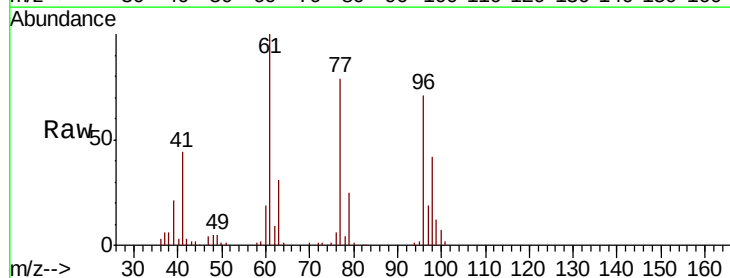
Acq: 07 Sep 2018 23:39

Tgt Ion: 77 Resp: 75147

Ion Ratio Lower Upper

77 100

97 25.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

15000

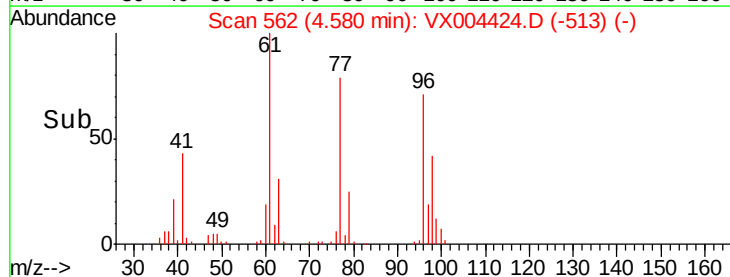
10000

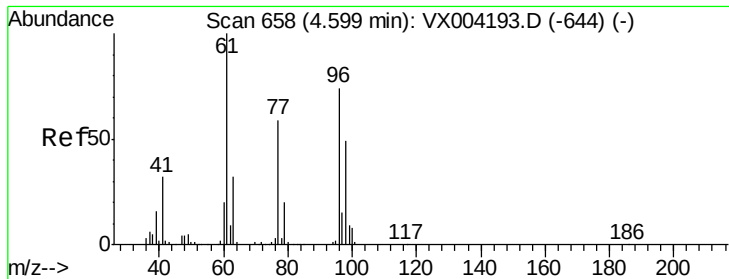
5000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.43 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

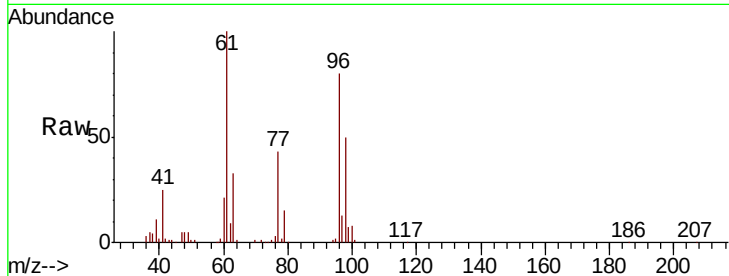
Tot Ion: 96 Resp: 82857

Ion Ratio Lower Upper

96 100

61 136.3 0.0 282.6

98 64.8 0.0 130.2

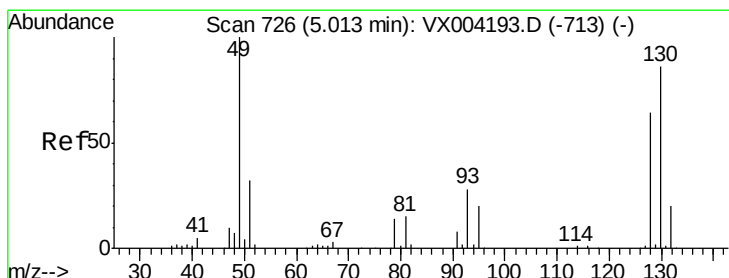
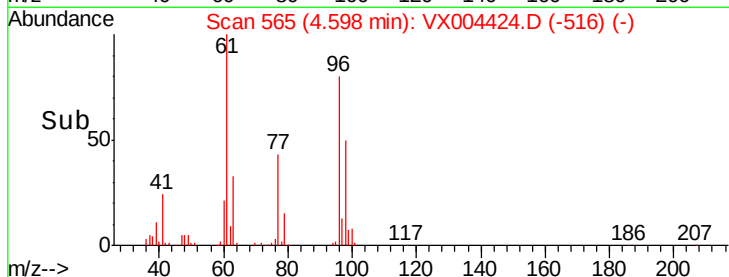
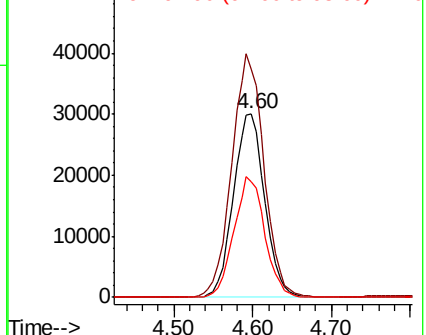


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 21.48 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

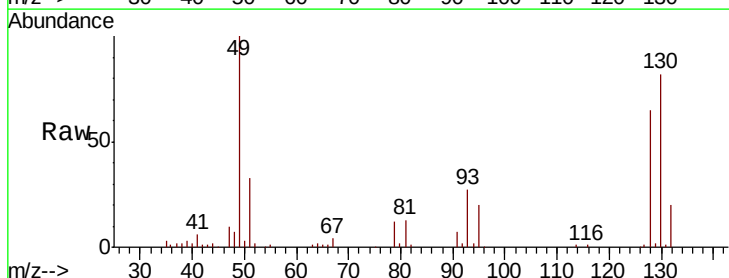
Tgt Ion: 49 Resp: 64560

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

130 83.8 67.5 101.3

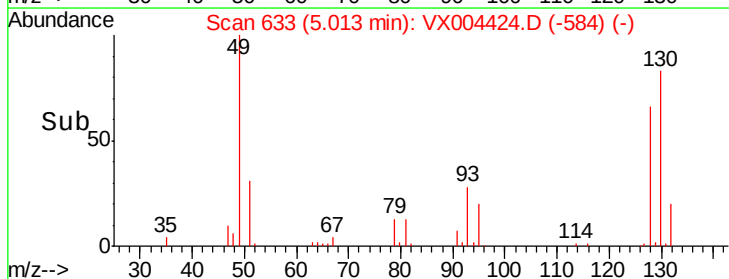
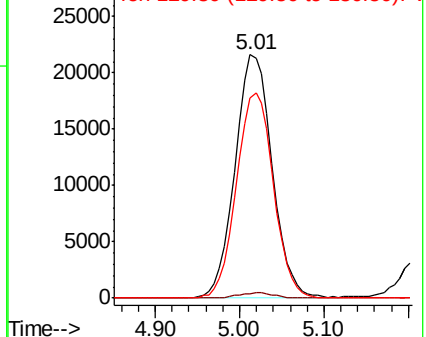


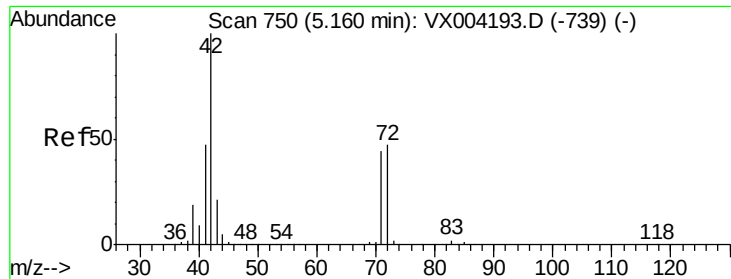
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 106.82 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

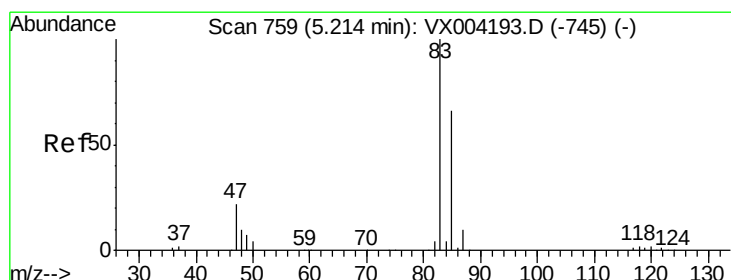
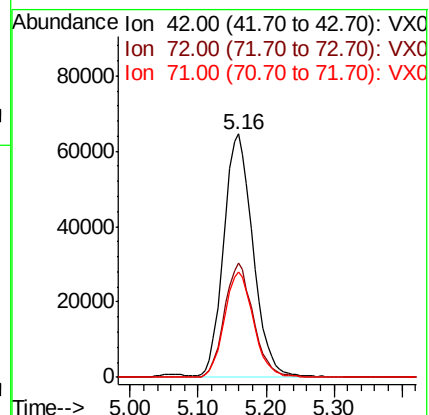
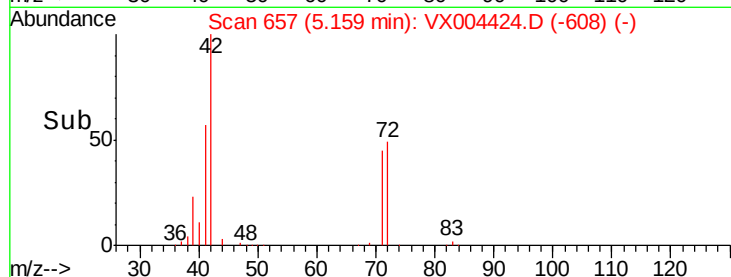
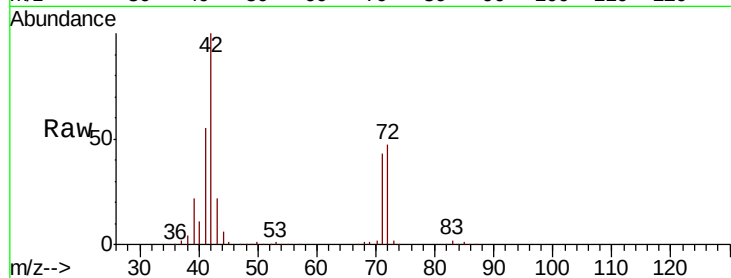
Tot Ion: 42 Resp: 191769

Ion Ratio Lower Upper

42 100

72 46.4 37.4 56.0

71 43.2 34.5 51.7



#30

Chloroform

Concen: 20.33 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX004424.D

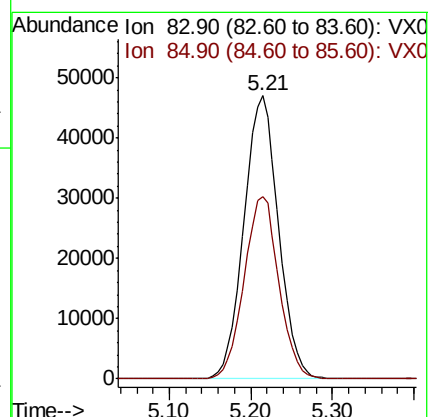
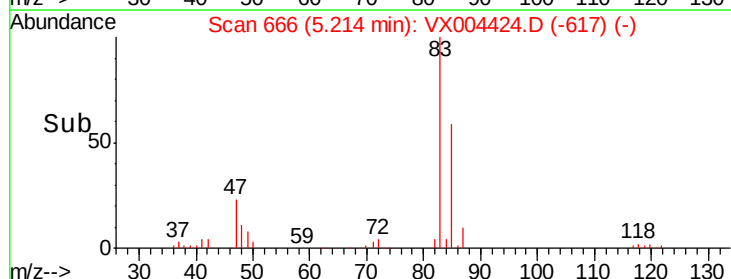
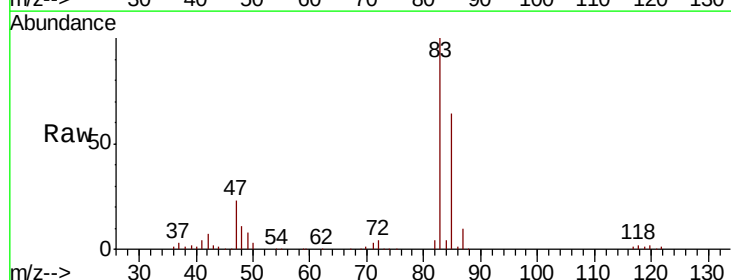
Acq: 07 Sep 2018 23:39

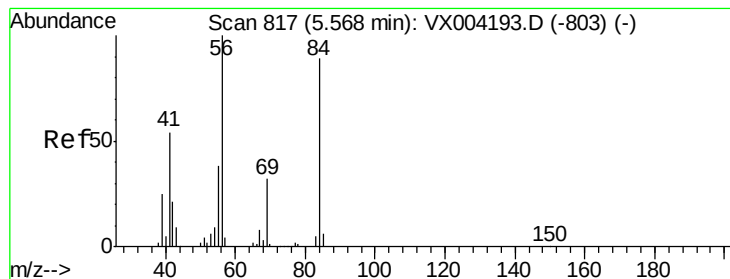
Tgt Ion: 83 Resp: 138377

Ion Ratio Lower Upper

83 100

85 64.2 52.6 79.0





#31

Cyclohexane

Concen: 18.75 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

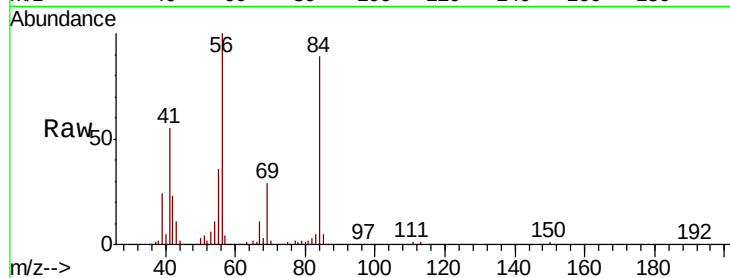
Tot Ion: 56 Resp: 109813

Ion Ratio Lower Upper

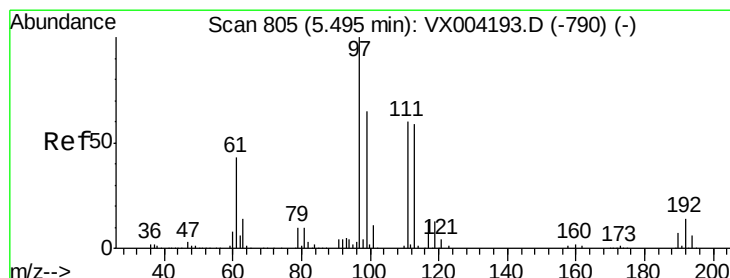
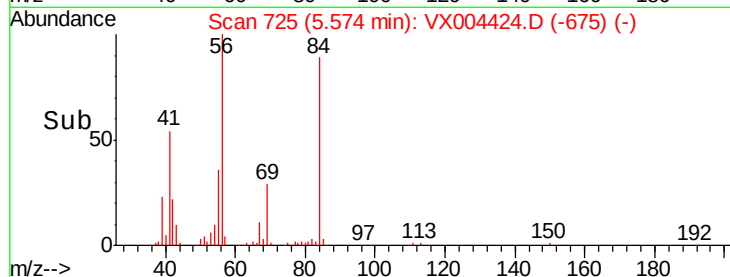
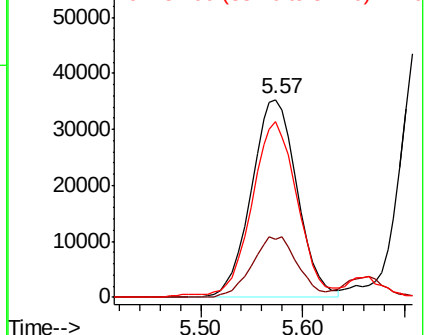
56 100

69 29.4 25.4 38.2

84 87.6 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: 19.76 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

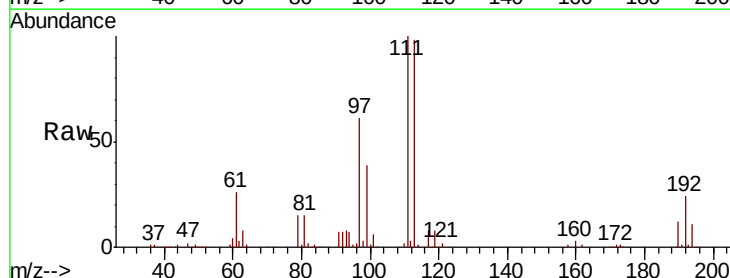
Tgt Ion: 97 Resp: 112192

Ion Ratio Lower Upper

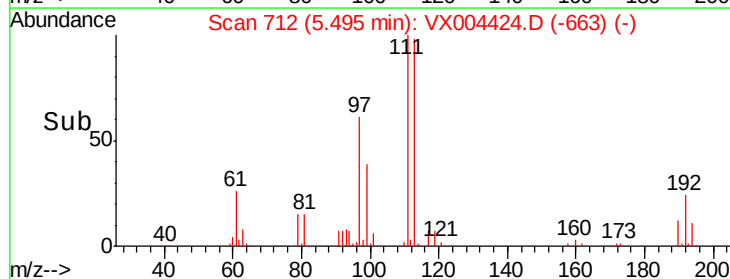
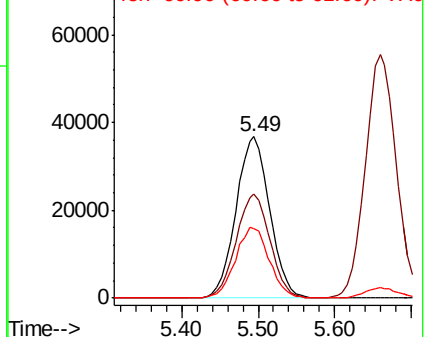
97 100

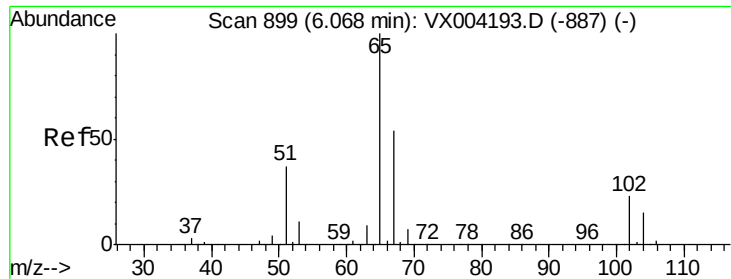
99 64.7 52.0 78.0

61 44.1 34.9 52.3



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

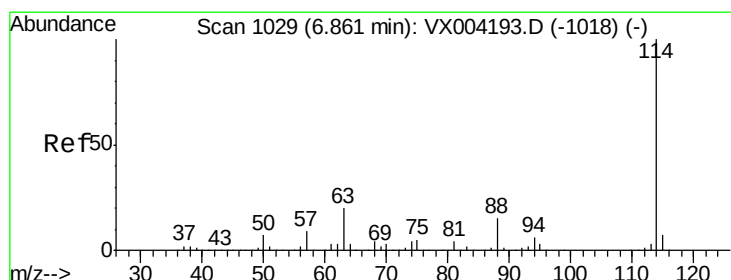
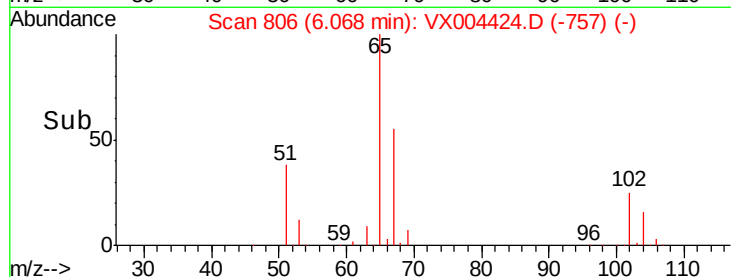
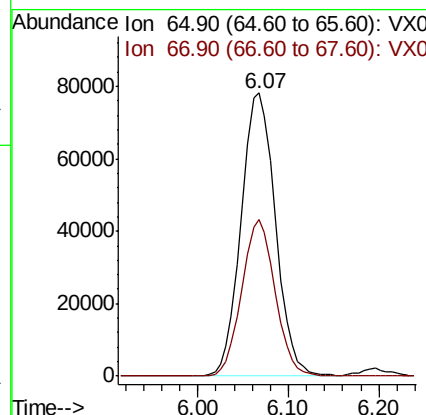
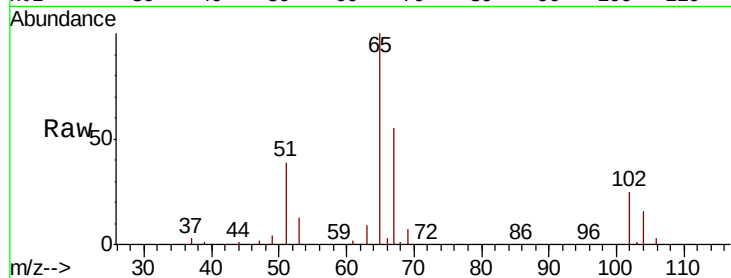




#33
 1,2-Dichloroethane-d4
 Concen: 49.16 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

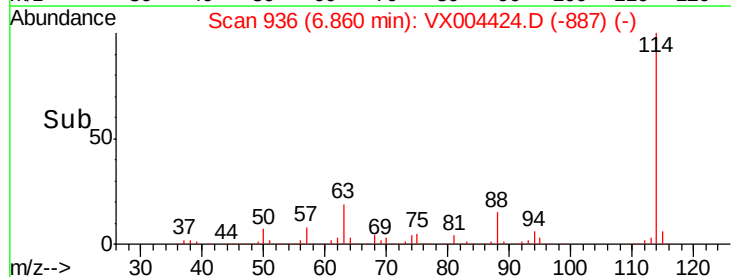
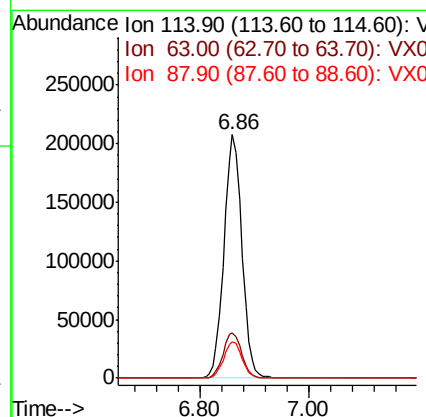
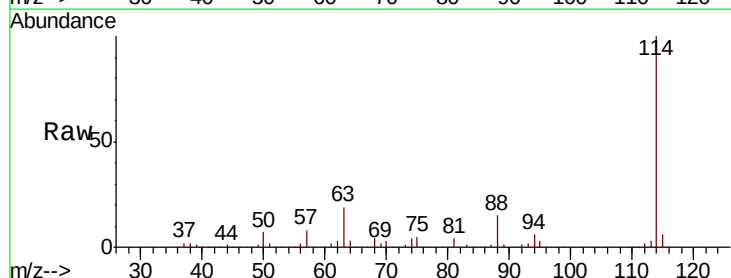
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

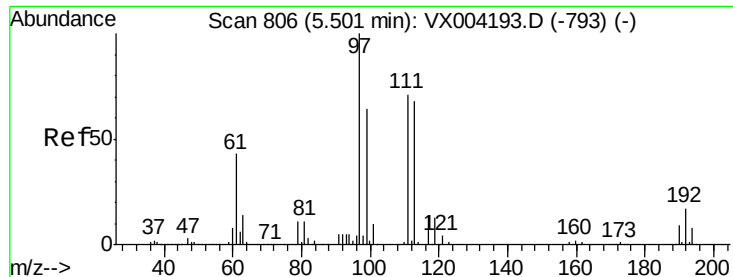
Tot Ion: 65 Resp: 205423
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion: 114 Resp: 475373
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.0
 88 15.1 0.0 30.4

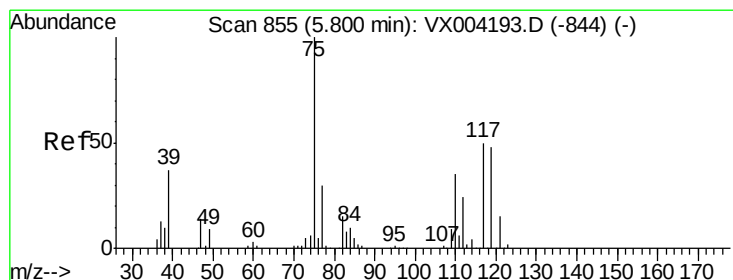
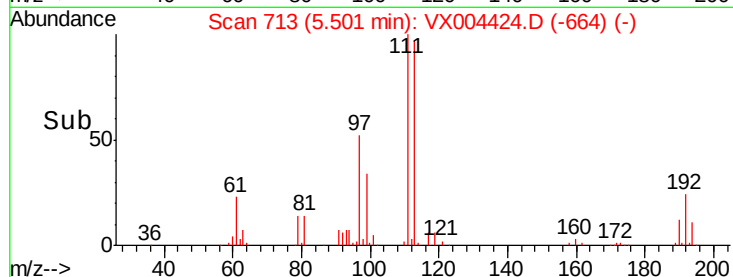
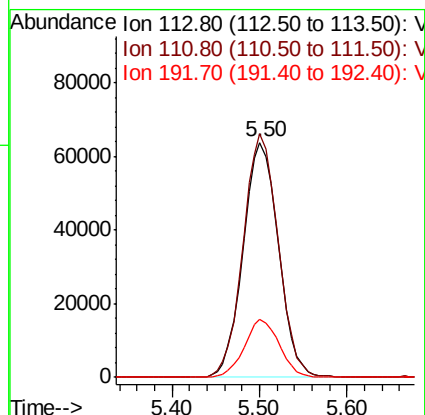
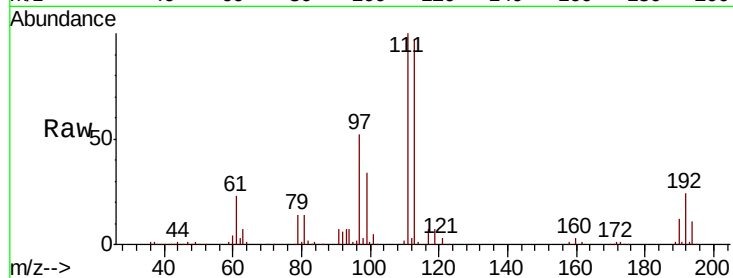




#35
 Dibromofluoromethane
 Concen: 50.79 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

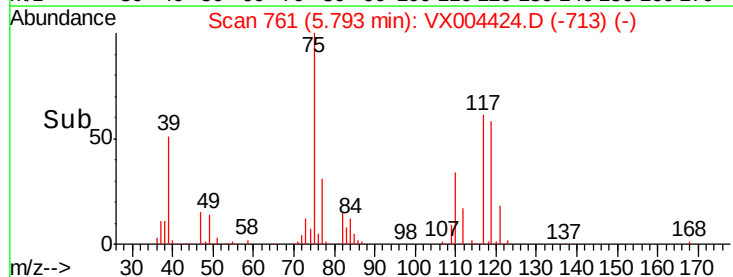
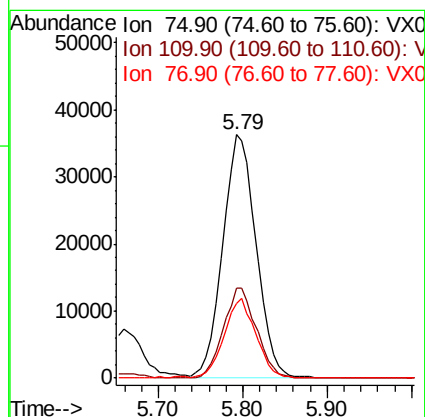
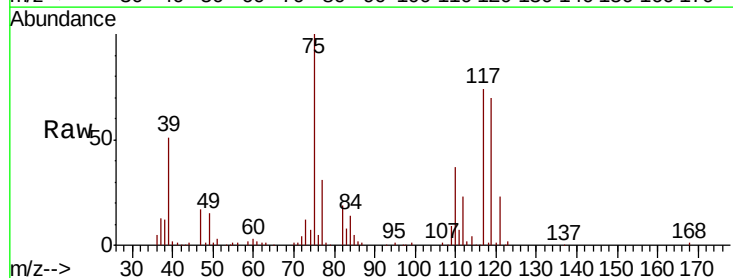
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

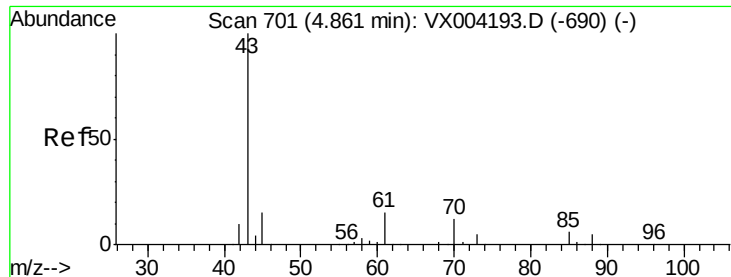
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	24.3	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 18.29 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.0	54.0
77	31.1	24.6	36.8

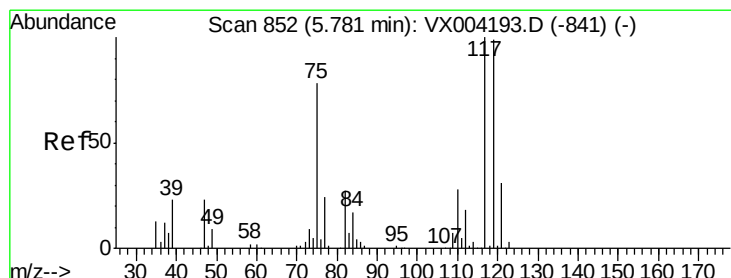
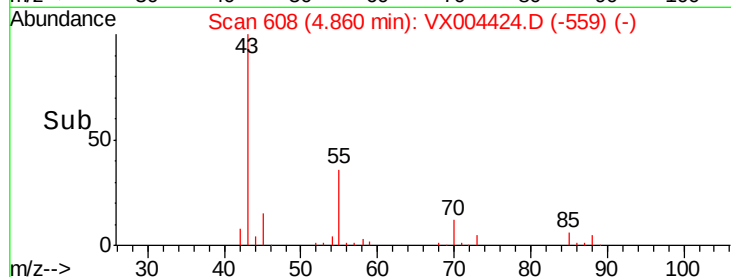
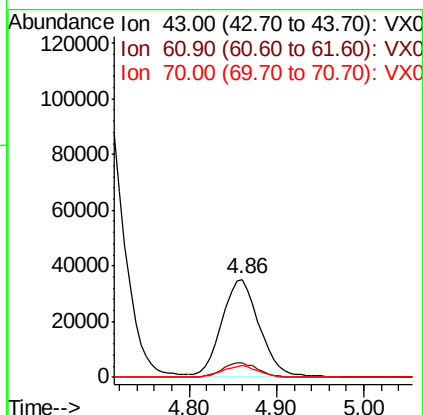
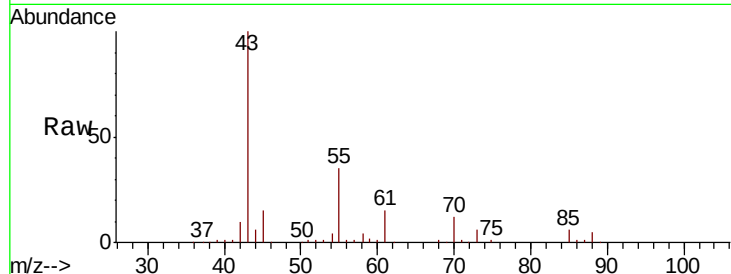




#37
Ethyl Acetate
Concen: 19.90 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

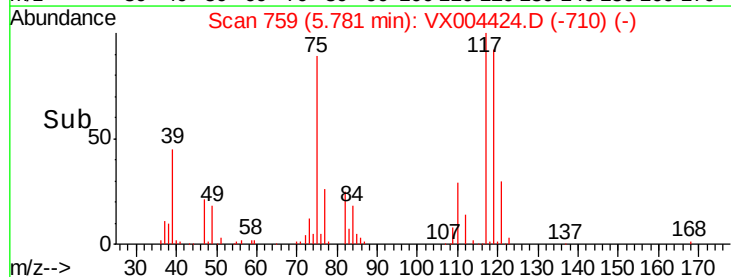
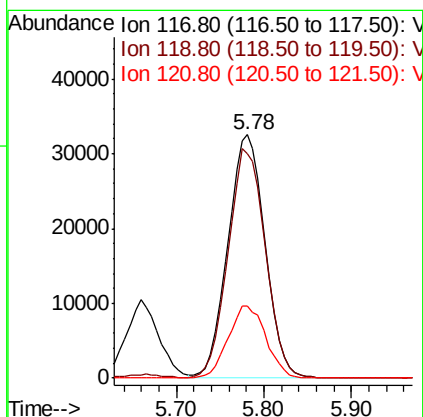
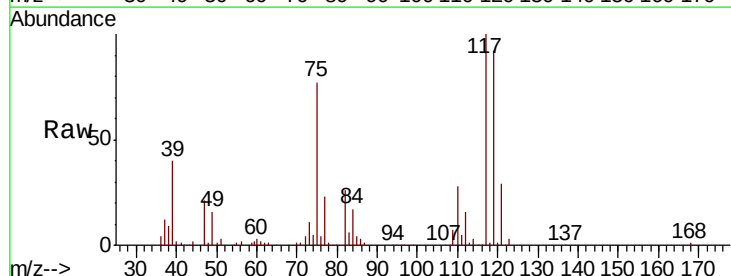
Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

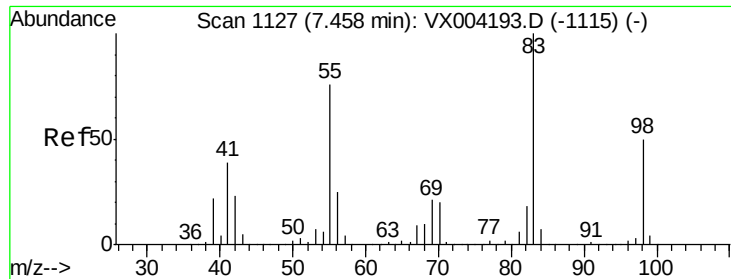
Tot Ion: 43 Resp: 104576
Ion Ratio Lower Upper
43 100
61 14.7 11.5 17.3
70 11.4 9.0 13.6



#38
Carbon Tetrachloride
Concen: 19.13 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion: 117 Resp: 96154
Ion Ratio Lower Upper
117 100
119 92.4 78.8 118.2
121 29.4 24.9 37.3

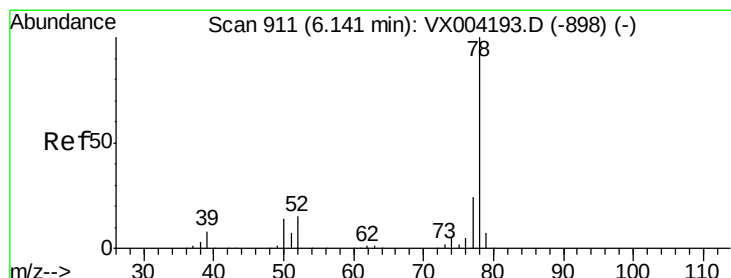
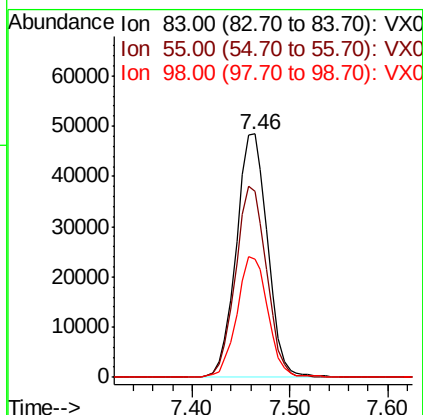
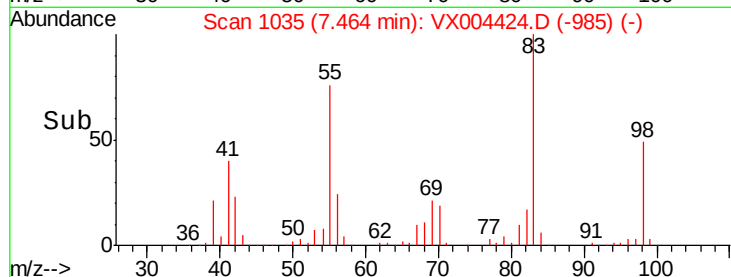
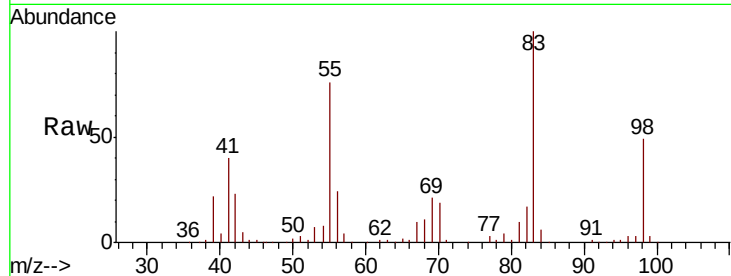




#39
Methylvlcyclohexane
Concen: 17.63 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

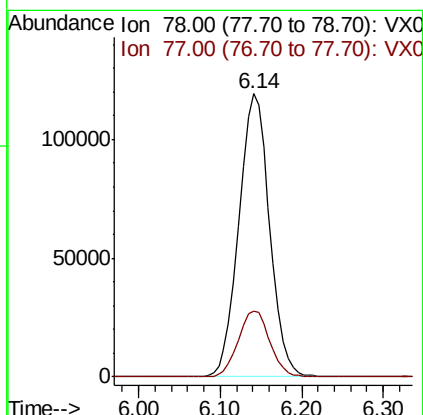
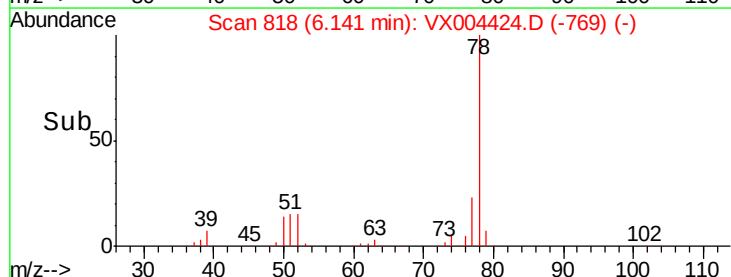
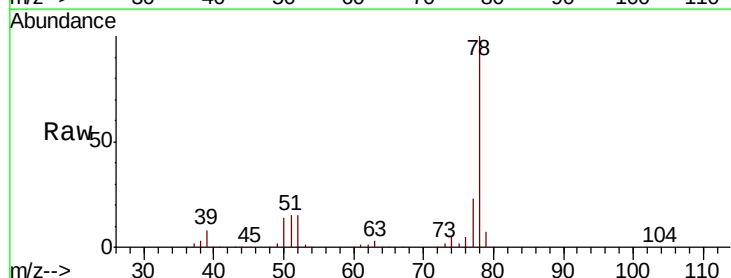
Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

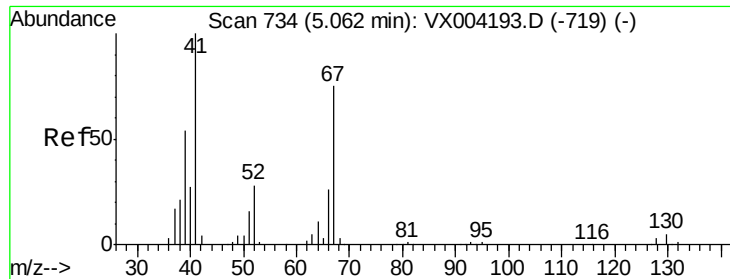
Tot Ion: 83 Resp: 107552
Ion Ratio Lower Upper
83 100
55 76.4 61.0 91.4
98 48.7 39.6 59.4



#40
Benzene
Concen: 19.50 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion: 78 Resp: 311351
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

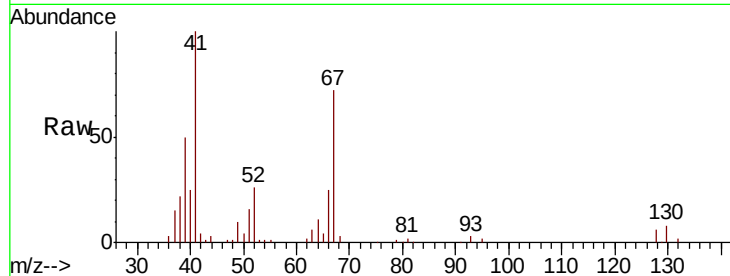




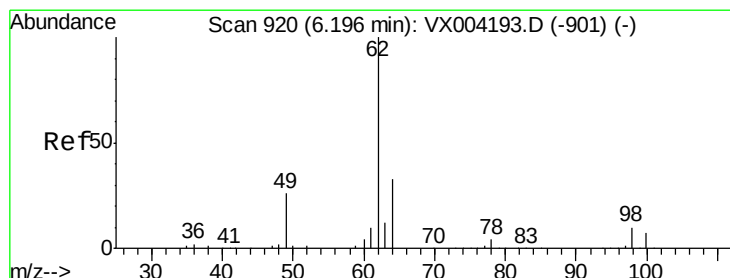
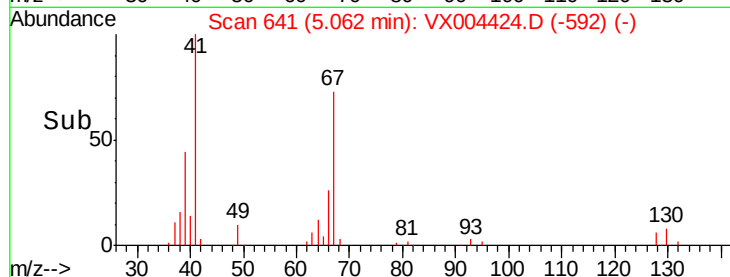
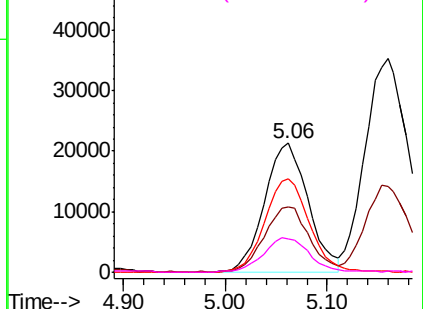
#41
Methacrylonitrile
Concen: 20.83 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampled :
VX0907WBS02

Tot Ion:	41	Resp:	63459
Ion	Ratio	Lower	Upper
41	100		
39	52.0	42.4	63.6
67	73.6	59.2	88.8
52	28.0	23.0	34.4

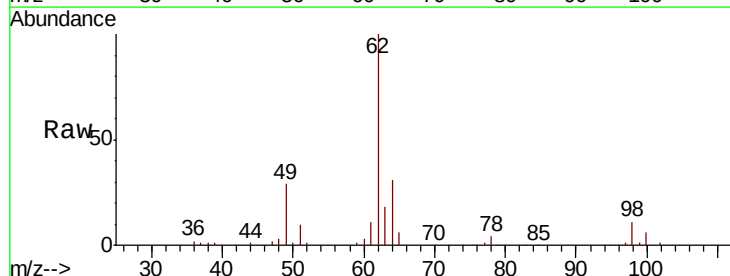


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

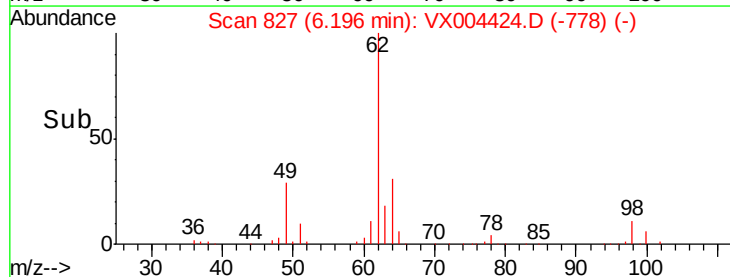
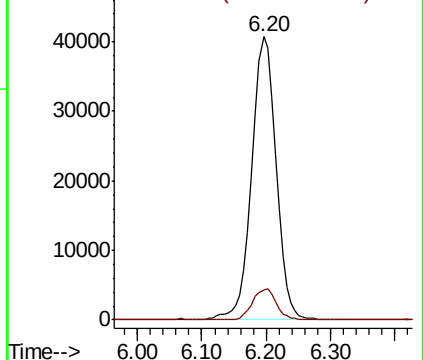


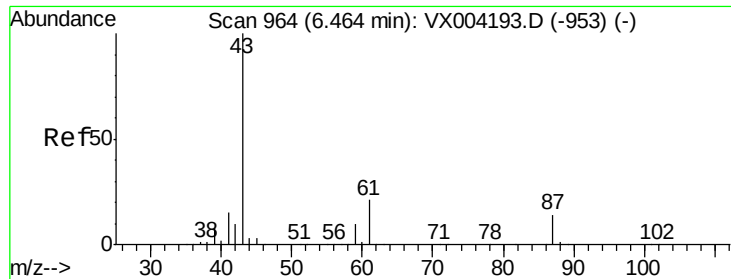
#42
1,2-Dichloroethane
Concen: 19.46 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion:	62	Resp:	106009
Ion	Ratio	Lower	Upper
62	100		
98	10.6	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: 20.28 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

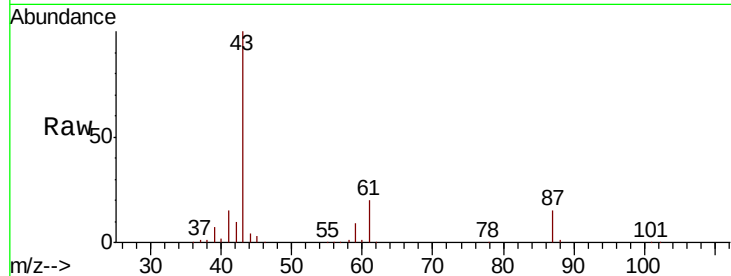
Tot Ion: 43 Resp: 163810

Ion Ratio Lower Upper

43 100

61 20.8 17.0 25.4

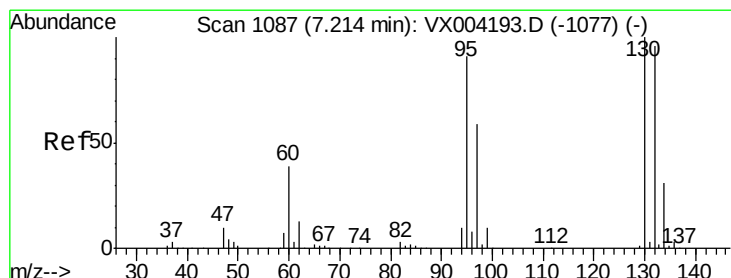
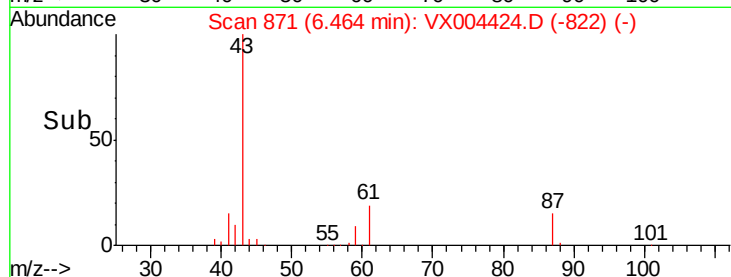
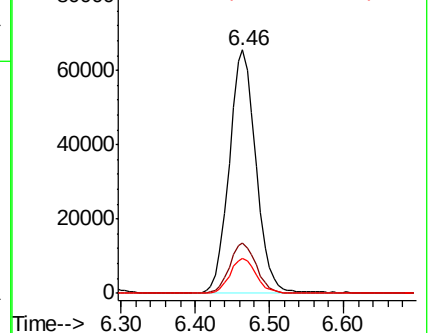
87 14.2 11.4 17.2



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: 19.08 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004424.D

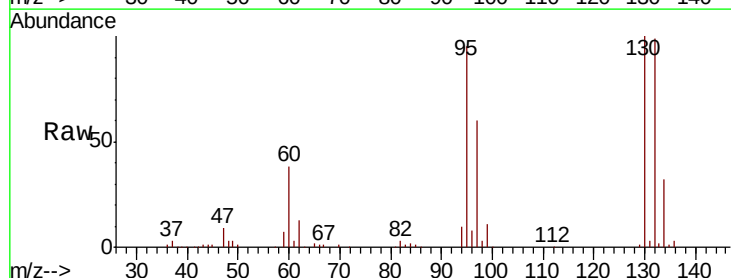
Acq: 07 Sep 2018 23:39

Tgt Ion:130 Resp: 84358

Ion Ratio Lower Upper

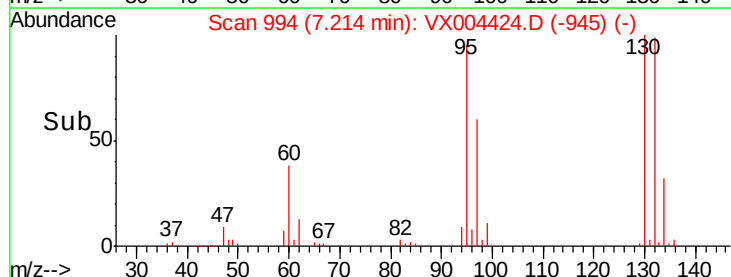
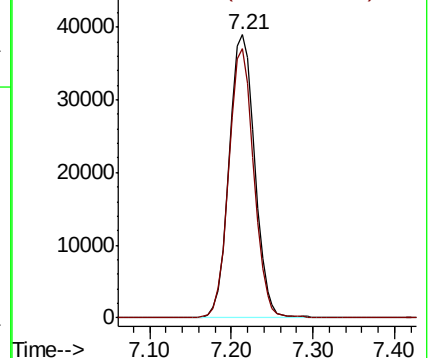
130 100

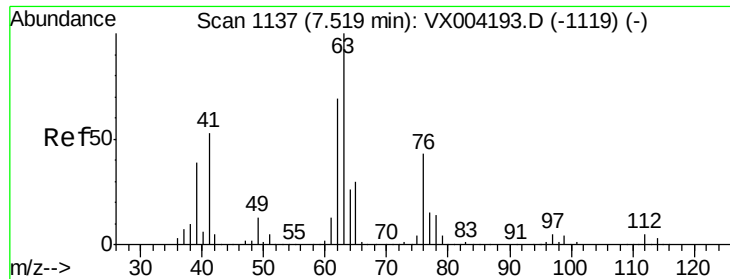
95 95.2 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

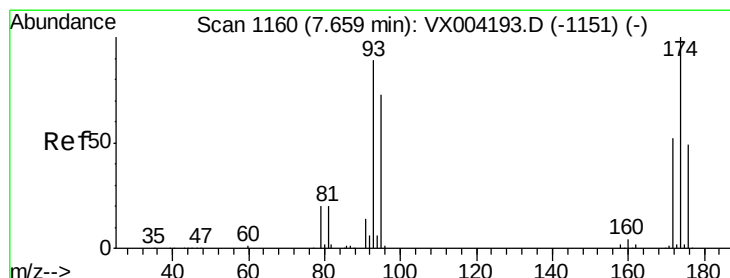
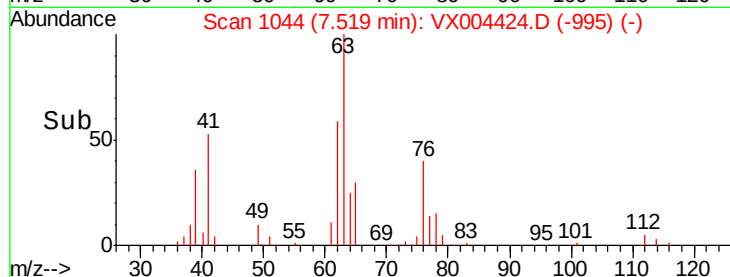
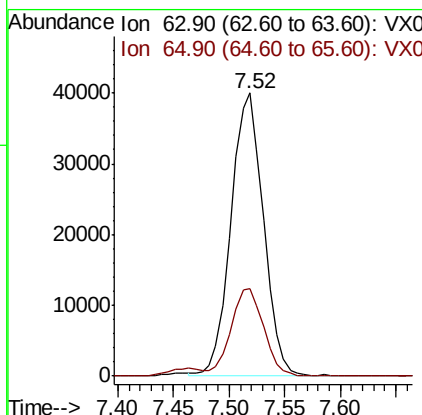
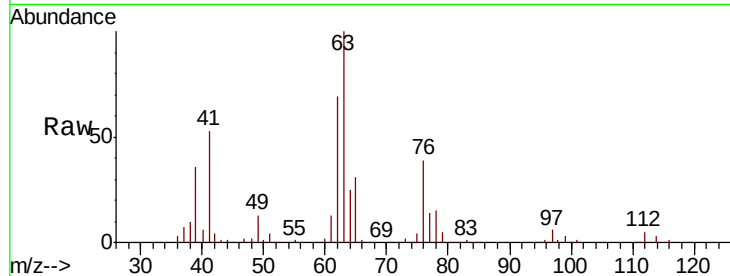




#45
 1,2-Dichloropropane
 Concen: 20.11 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

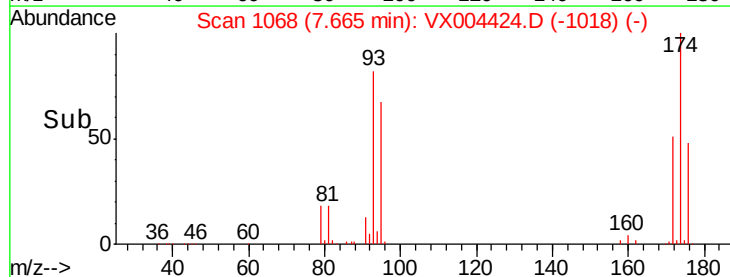
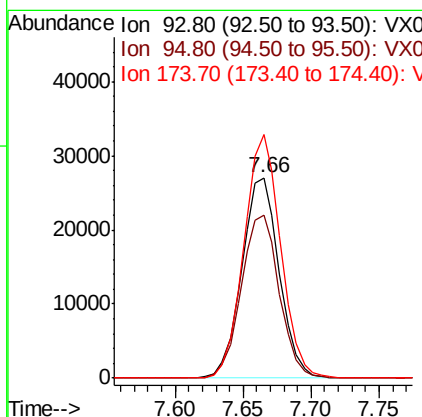
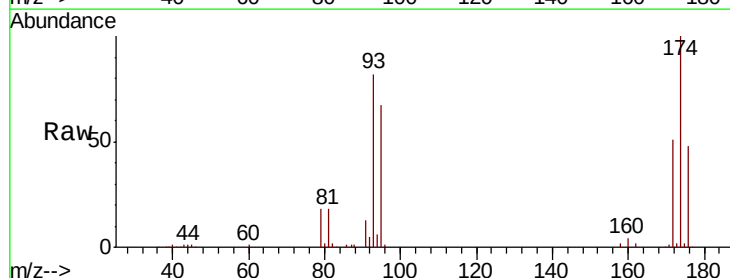
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

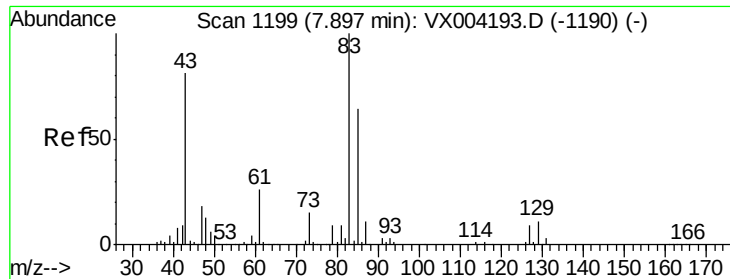
Tot Ion: 63 Resp: 80356
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.3 36.5



#46
 Dibromomethane
 Concen: 19.51 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion: 93 Resp: 51929
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.5 98.3
 174 119.5 94.2 141.4





#47

Bromodichloromethane

Concen: 19.94 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

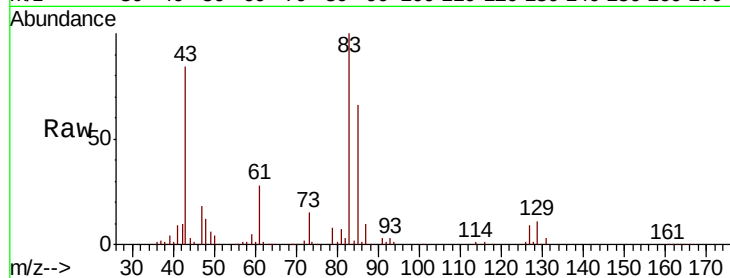
Tot Ion: 83 Resp: 98720

Ion Ratio Lower Upper

83 100

85 66.5 50.9 76.3

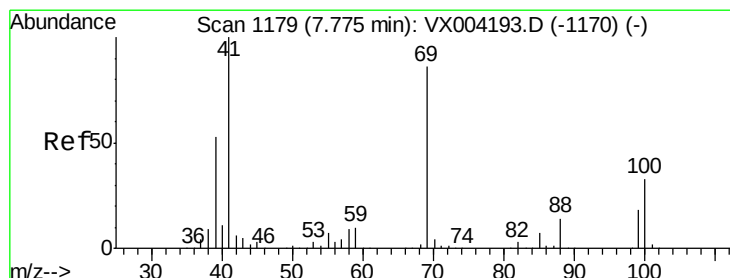
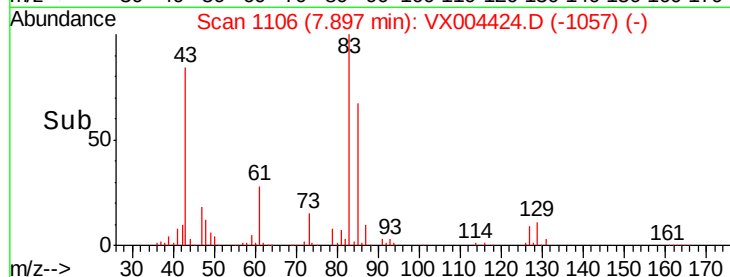
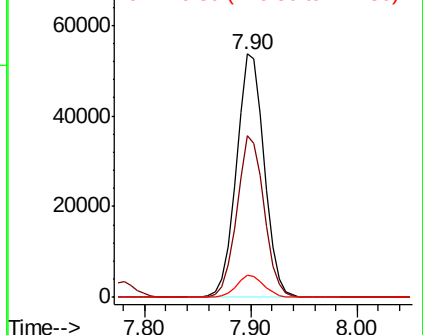
127 9.2 7.3 10.9



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: 20.46 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.01 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

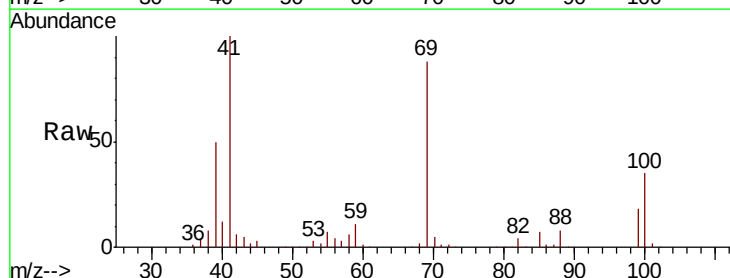
Tgt Ion: 41 Resp: 88416

Ion Ratio Lower Upper

41 100

69 87.9 70.2 105.4

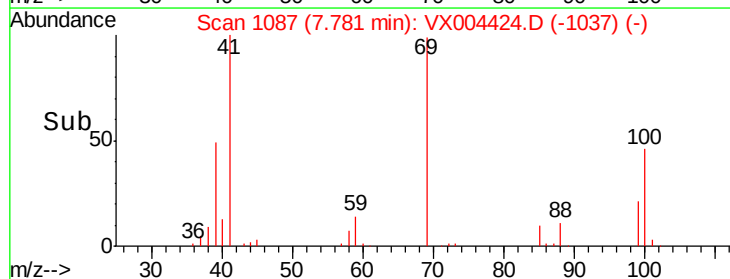
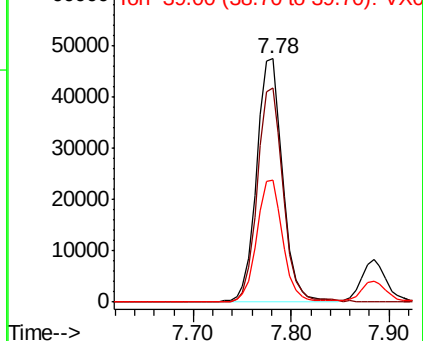
39 49.9 42.7 64.1

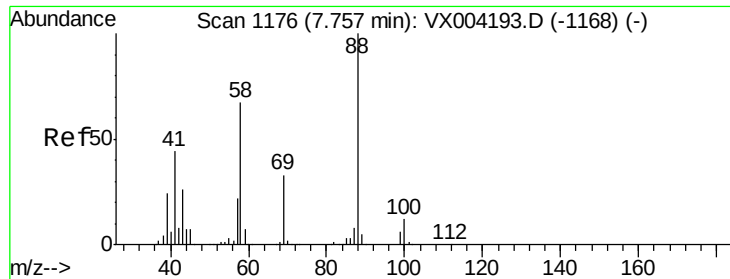


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 454.51 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

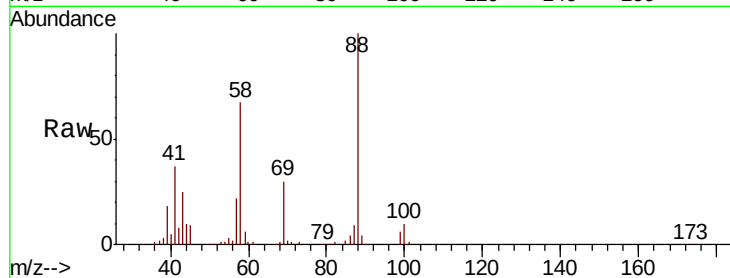
Tot Ion: 88 Resp: 44595

Ion Ratio Lower Upper

88 100

43 29.3 24.7 37.1

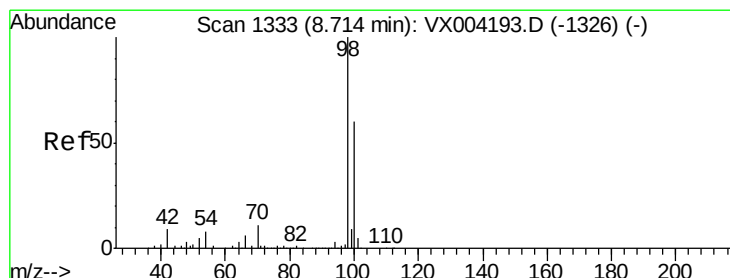
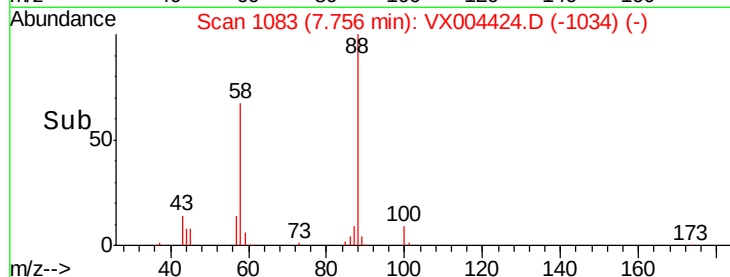
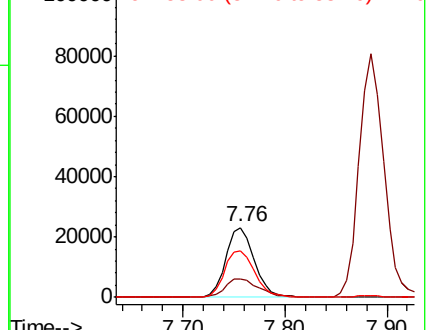
58 71.5 55.3 82.9



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: 49.66 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX004424.D

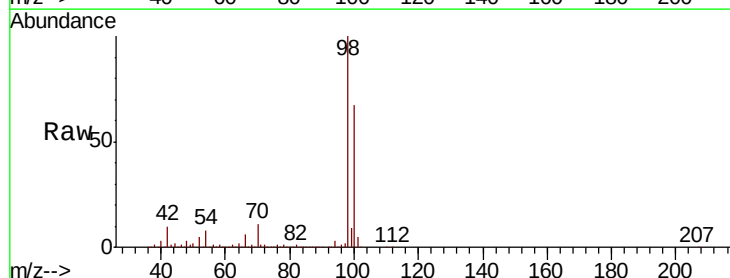
Acq: 07 Sep 2018 23:39

Tgt Ion: 98 Resp: 662937

Ion Ratio Lower Upper

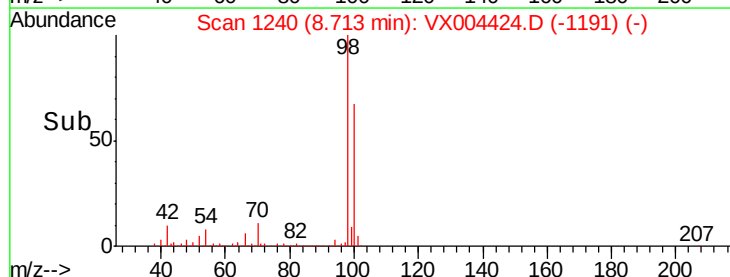
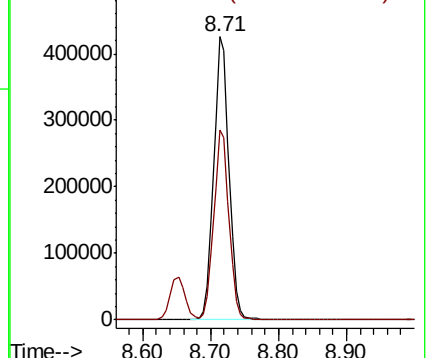
98 100

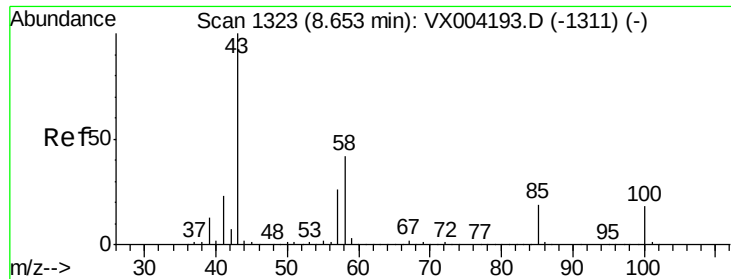
100 67.1 52.9 79.3



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: 100.42 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

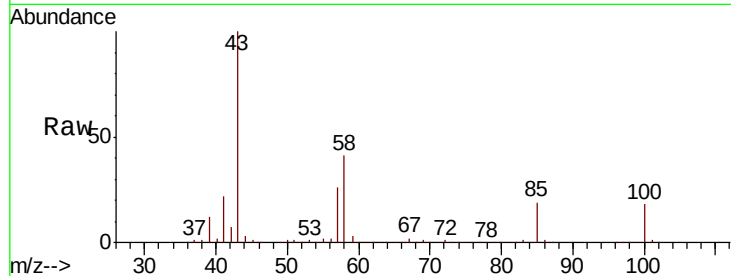
VX0907WBS02

Tot Ion: 43 Resp: 589250

Ion Ratio Lower Upper

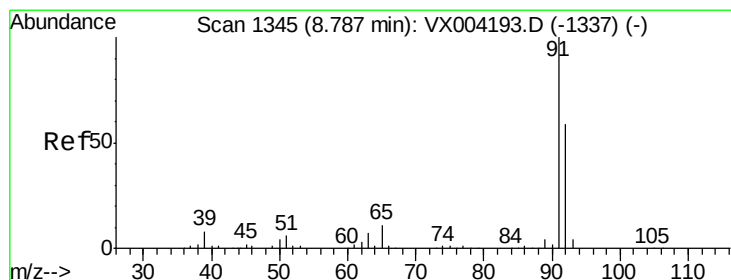
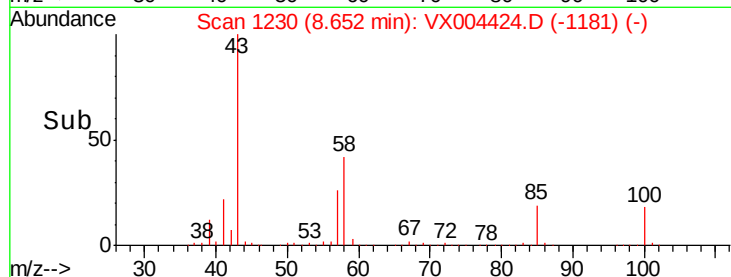
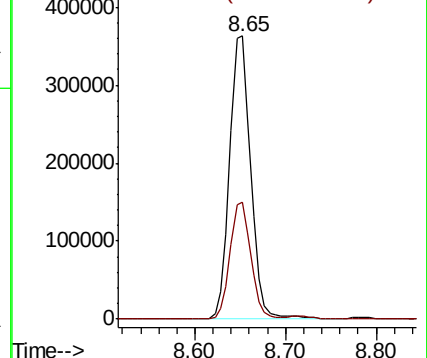
43 100

58 40.9 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.94 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004424.D

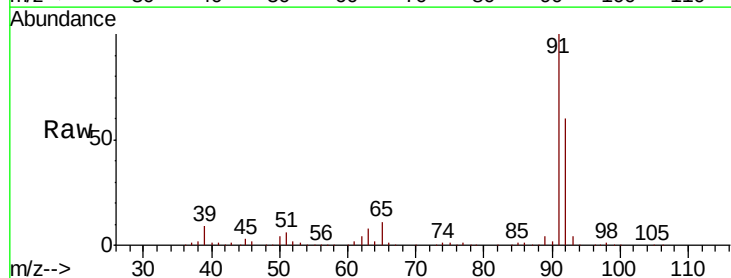
Acq: 07 Sep 2018 23:39

Tgt Ion: 92 Resp: 199336

Ion Ratio Lower Upper

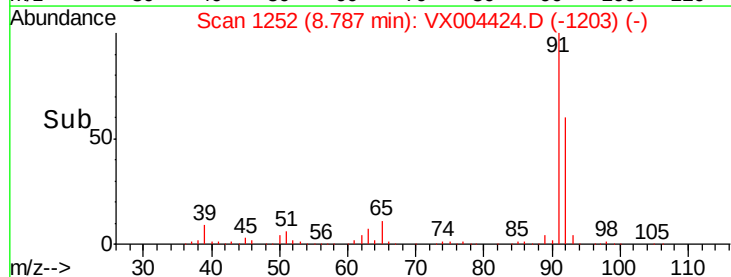
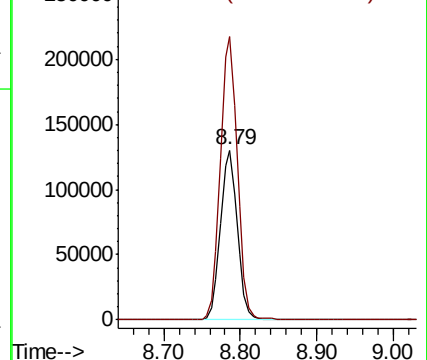
92 100

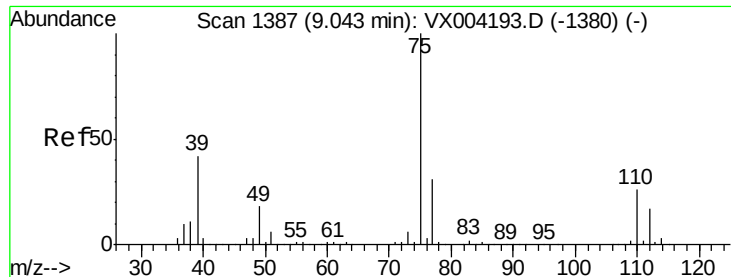
91 169.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.54 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

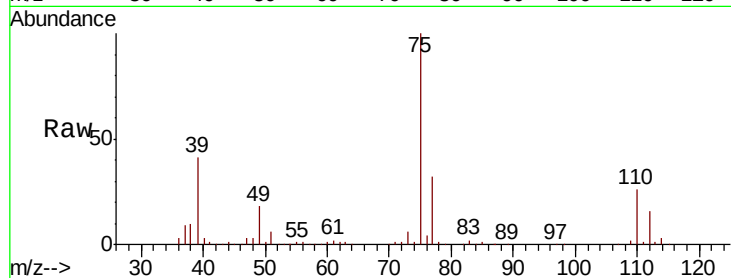
VX0907WBS02

Tot Ion: 75 Resp: 101415

Ion Ratio Lower Upper

75 100

77 32.1 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

80000

60000

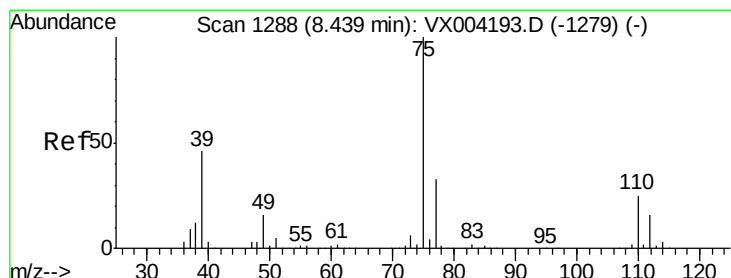
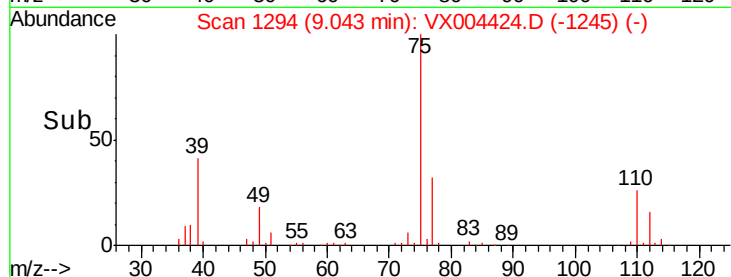
40000

20000

0

9.00 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.43 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

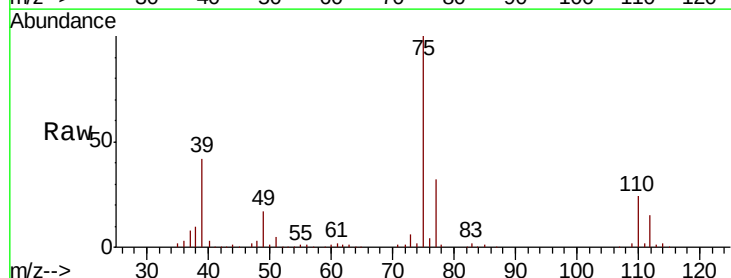
Tgt Ion: 75 Resp: 115730

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2

39 42.1 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44

80000

60000

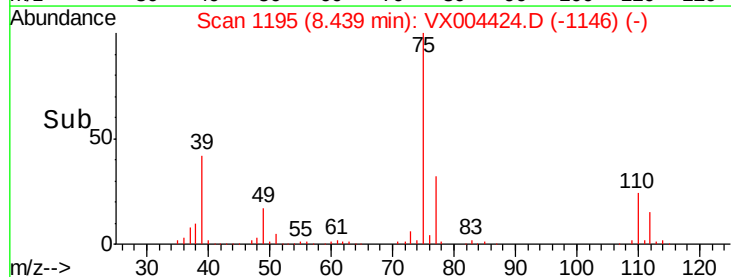
40000

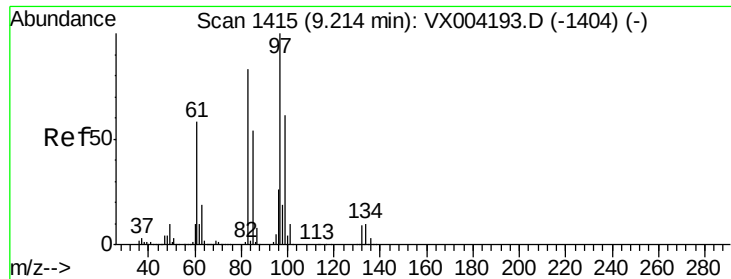
20000

0

8.40 8.50 8.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.67 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

Tot Ion: 97 Resp: 83398

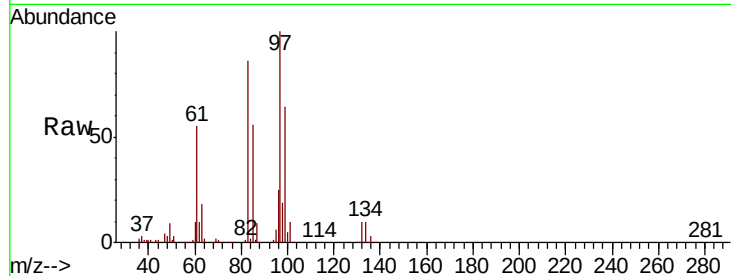
Ion Ratio Lower Upper

97 100

83 85.6 66.4 99.6

85 55.6 43.3 64.9

99 64.3 49.0 73.4

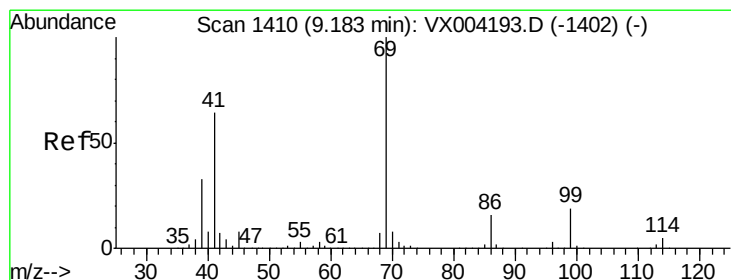
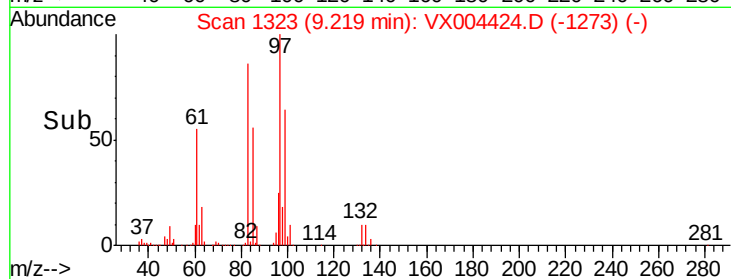
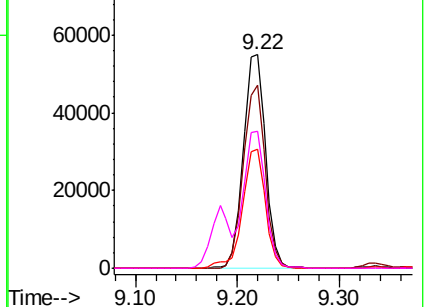


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 20.15 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

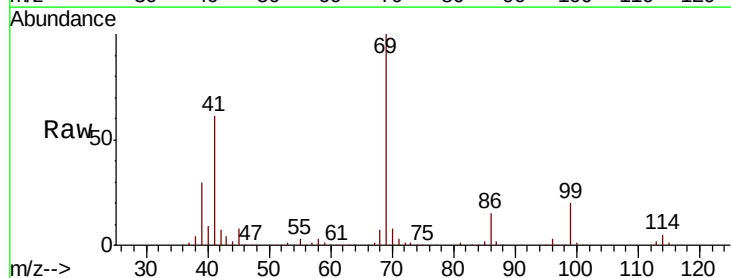
Tgt Ion: 69 Resp: 110674

Ion Ratio Lower Upper

69 100

41 62.5 51.0 76.4

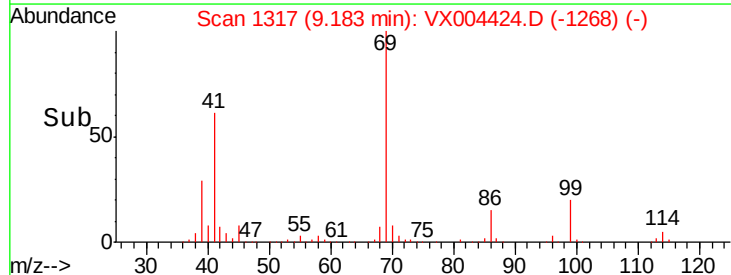
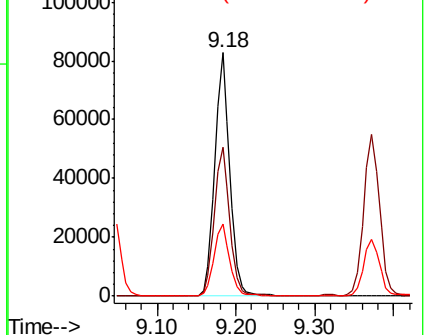
39 30.3 26.1 39.1

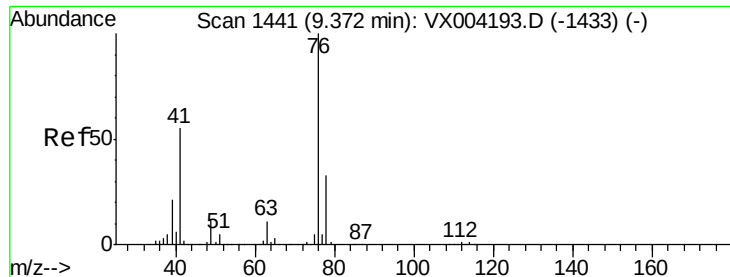


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.68 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampled :

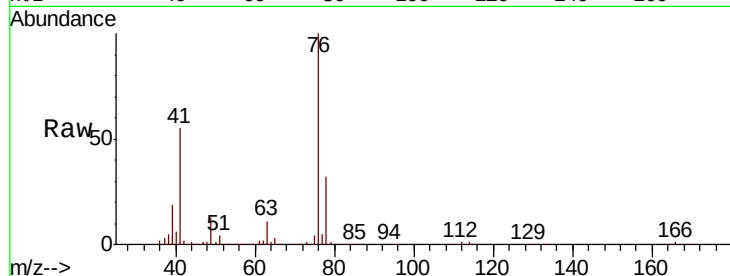
VX0907WBS02

Tot Ion: 76 Resp: 140634

Ion Ratio Lower Upper

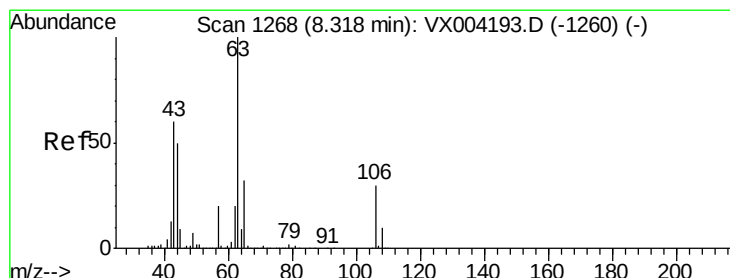
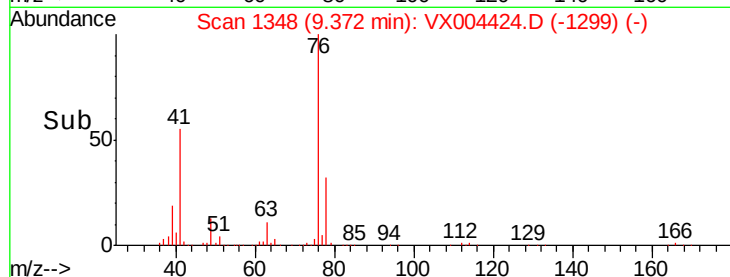
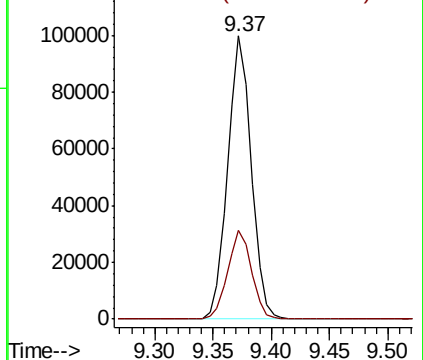
76 100

78 31.8 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 102.84 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX004424.D

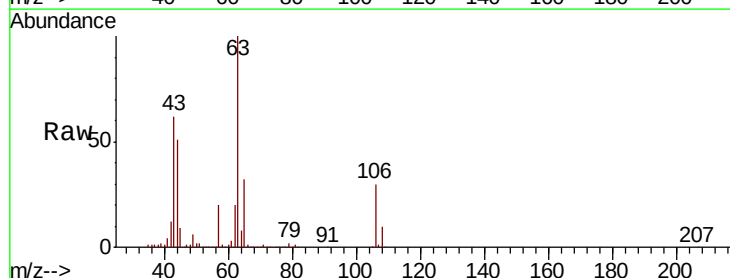
Acq: 07 Sep 2018 23:39

Tgt Ion: 63 Resp: 289463

Ion Ratio Lower Upper

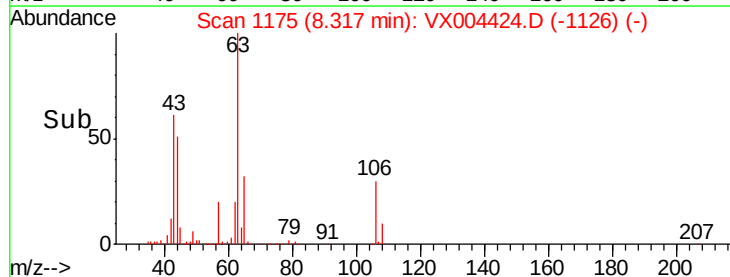
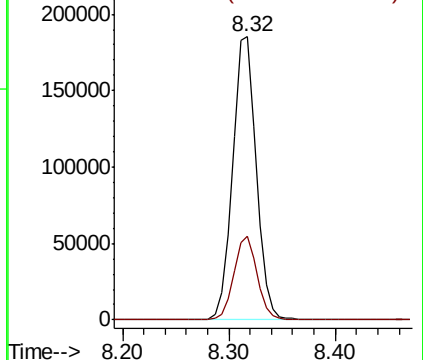
63 100

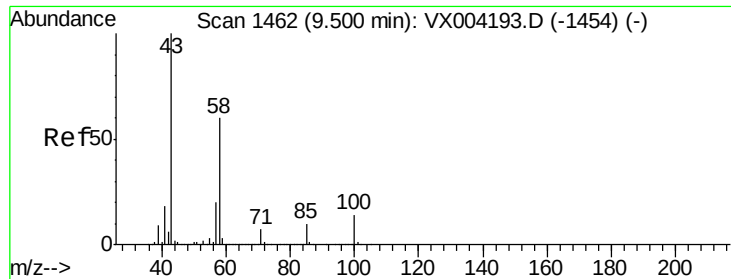
106 29.2 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

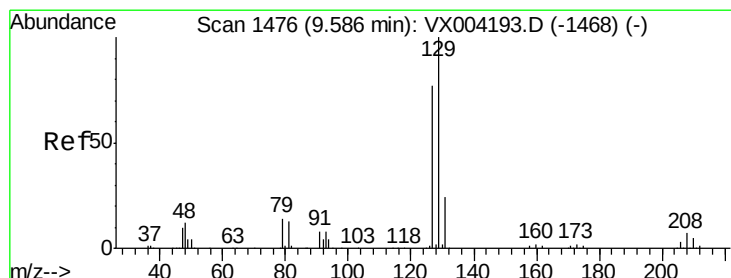
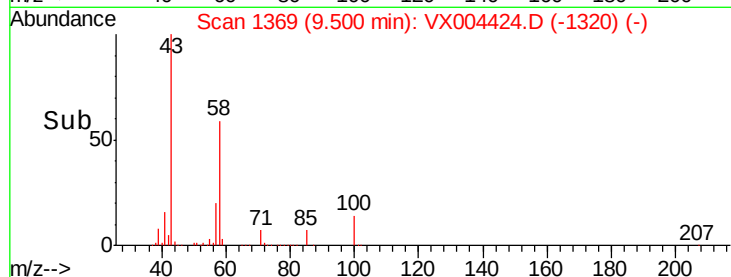
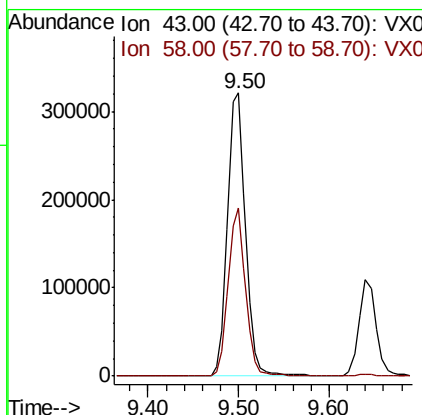
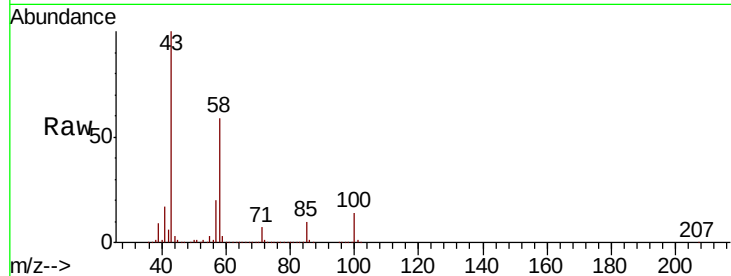




#59
2-Hexanone
Concen: 98.97 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

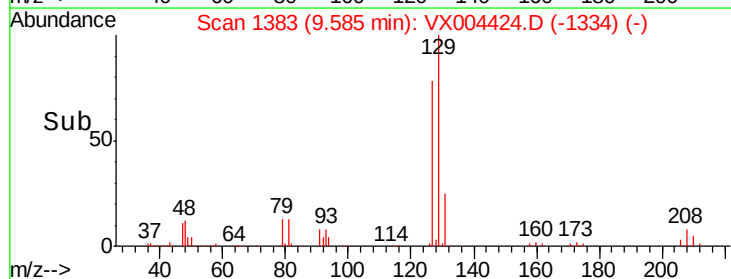
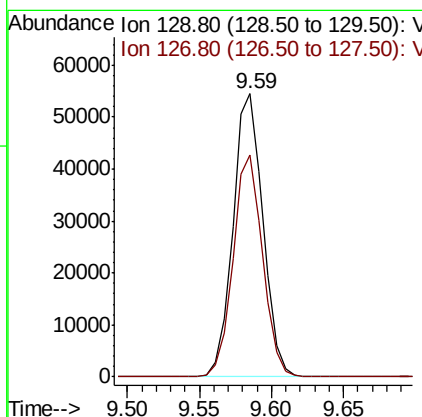
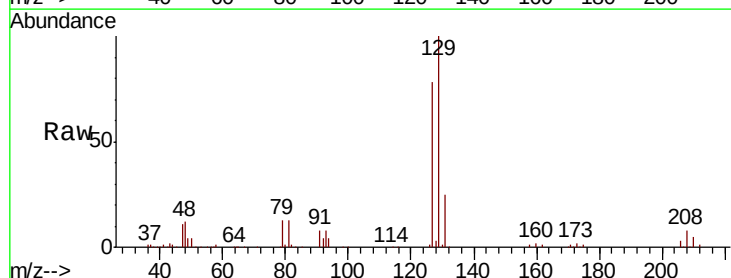
Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

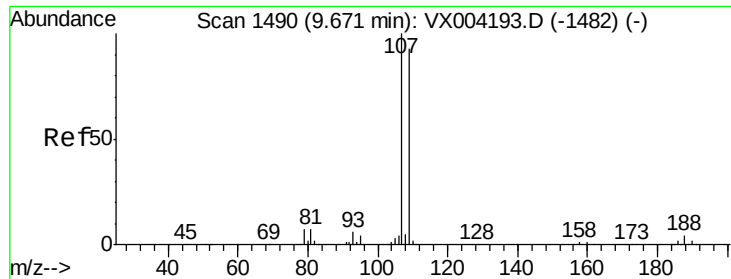
Tot Ion: 43 Resp: 443081
Ion Ratio Lower Upper
43 100
58 57.4 29.0 87.0



#60
Dibromochloromethane
Concen: 20.07 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion: 129 Resp: 78906
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.14 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

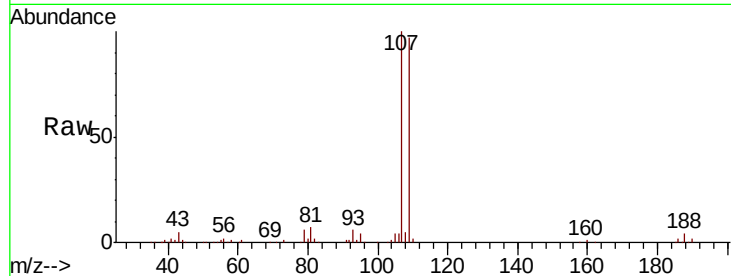
VX0907WBS02

Tot Ion: 107 Resp: 84108

Ion Ratio Lower Upper

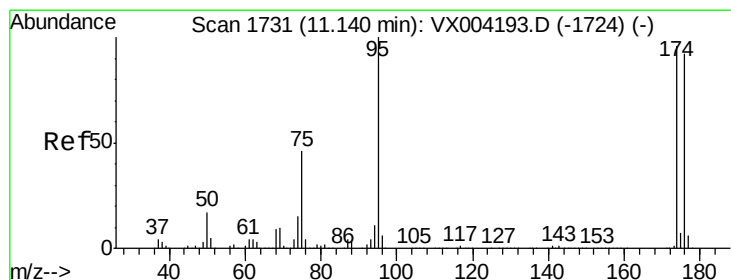
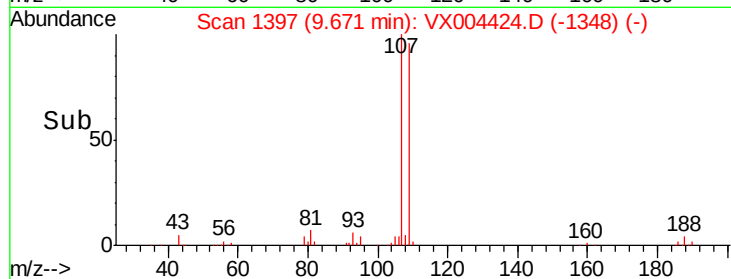
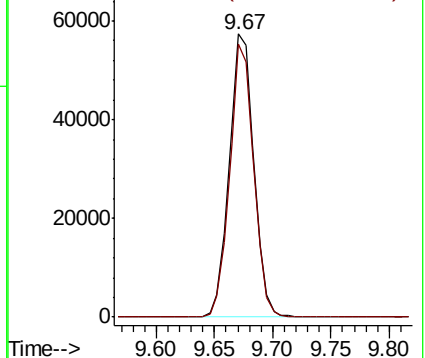
107 100

109 94.2 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: 51.32 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

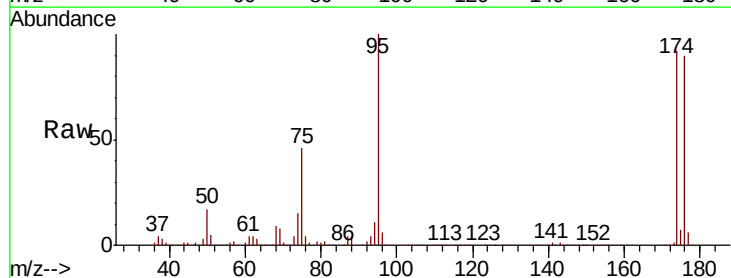
Tgt Ion: 95 Resp: 255621

Ion Ratio Lower Upper

95 100

174 90.2 0.0 185.2

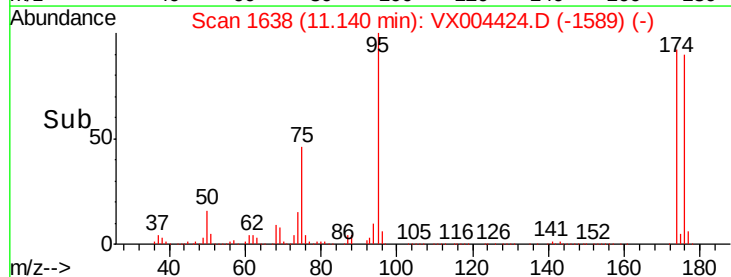
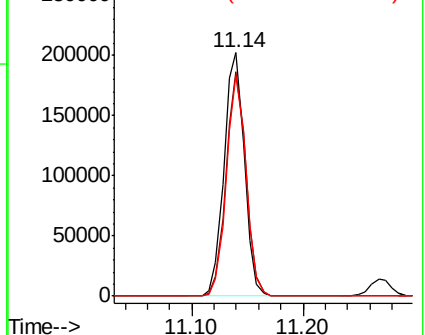
176 87.5 0.0 178.6

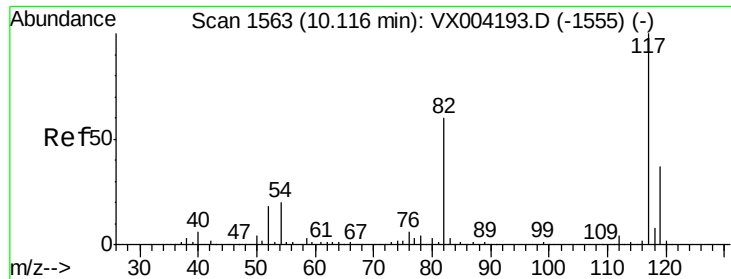


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

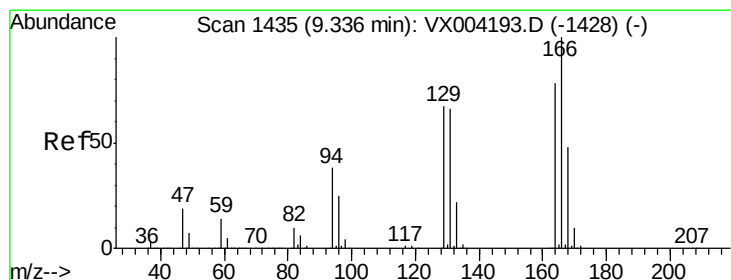
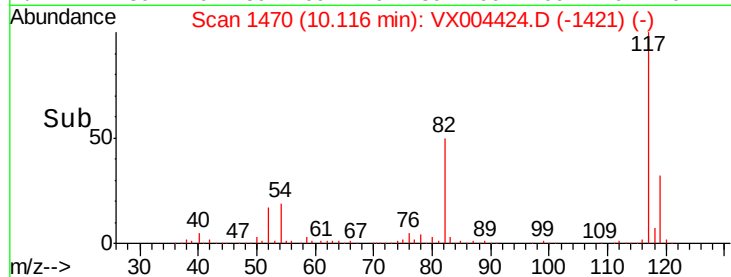
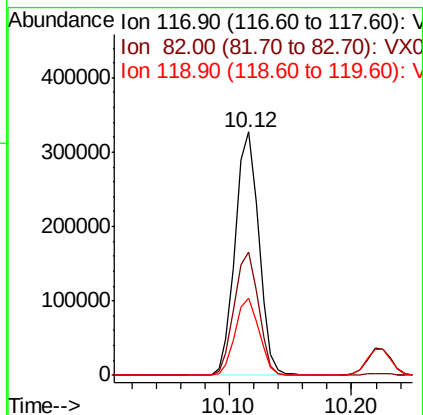
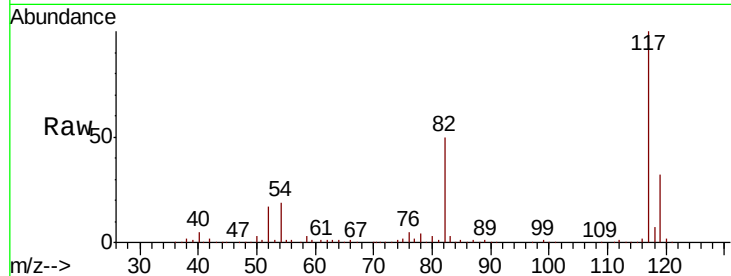




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

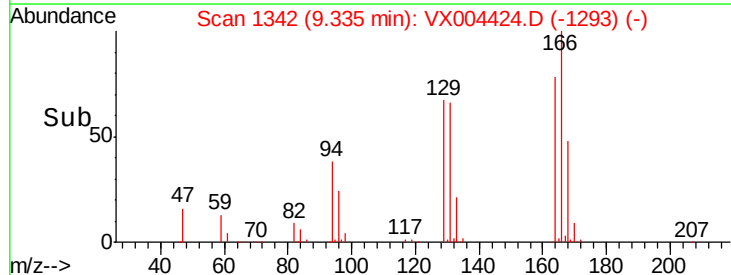
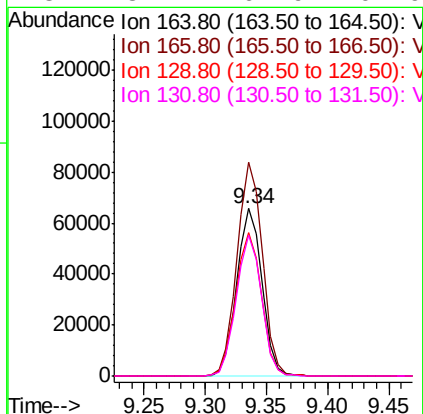
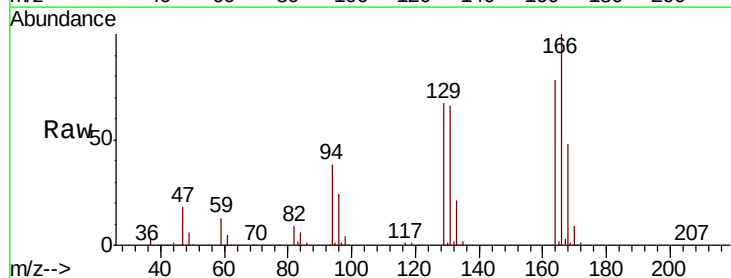
Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

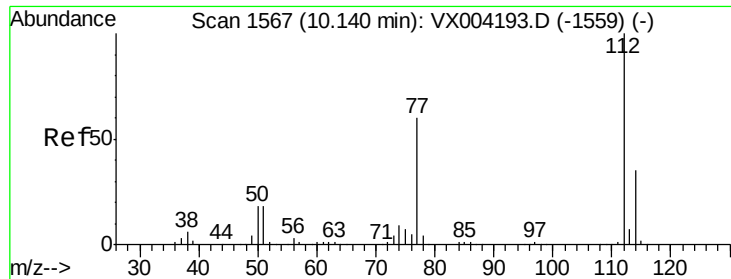
Tot Ion:117 Resp: 437673
Ion Ratio Lower Upper
117 100
82 50.5 47.8 71.6
119 31.6 29.3 43.9



#64
Tetrachloroethene
Concen: 21.71 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion:164 Resp: 93869
Ion Ratio Lower Upper
164 100
166 127.4 102.8 154.2
129 85.9 69.4 104.0
131 84.1 67.9 101.9

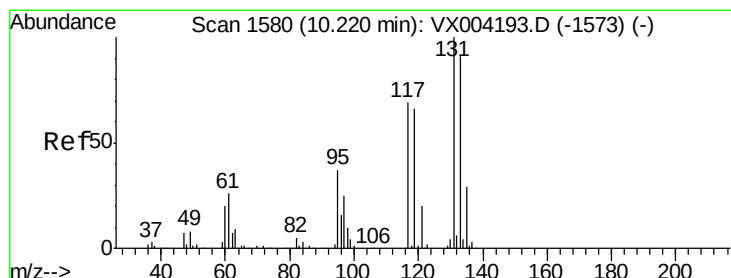
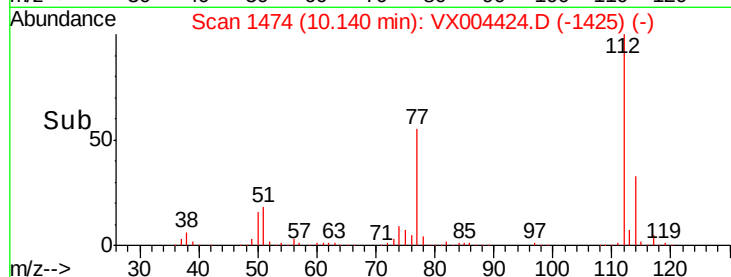
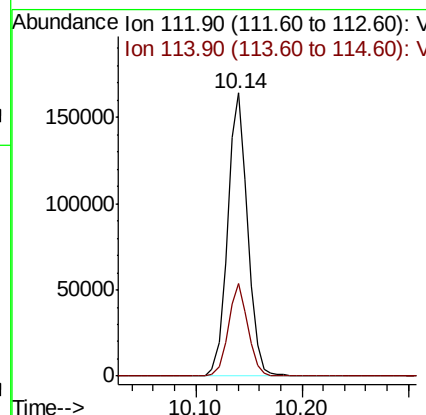
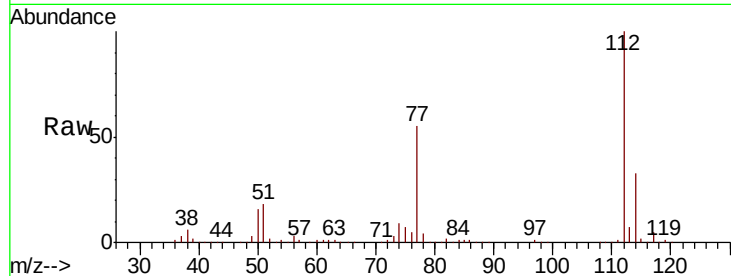




#65
Chlorobenzene
Concen: 19.51 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

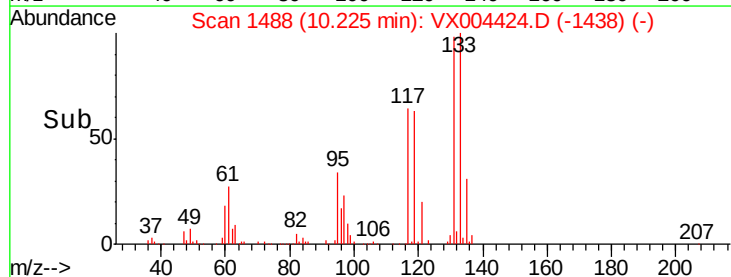
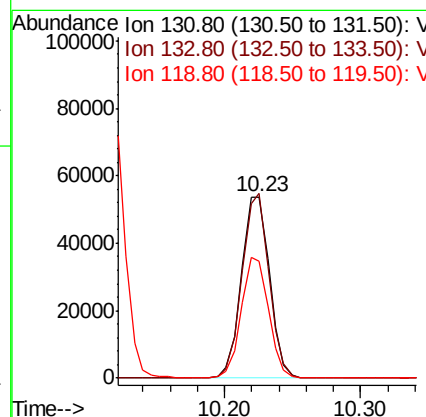
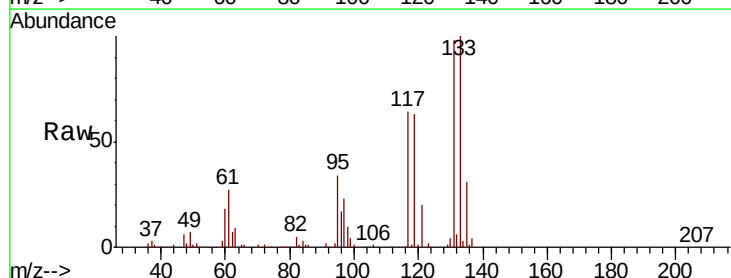
Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

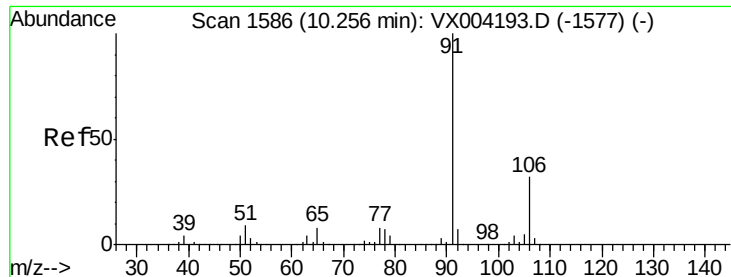
Tot Ion:112 Resp: 214286
Ion Ratio Lower Upper
112 100
114 32.6 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.56 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion:131 Resp: 77881
Ion Ratio Lower Upper
131 100
133 97.4 48.1 144.4
119 64.6 32.9 98.6

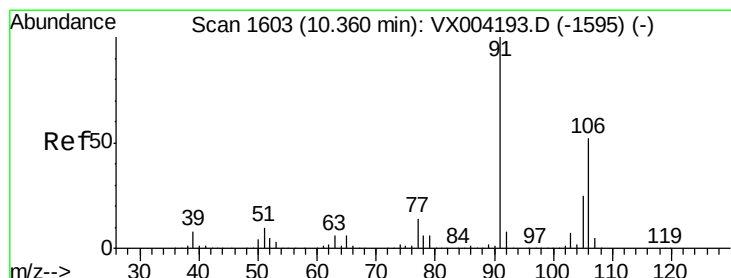
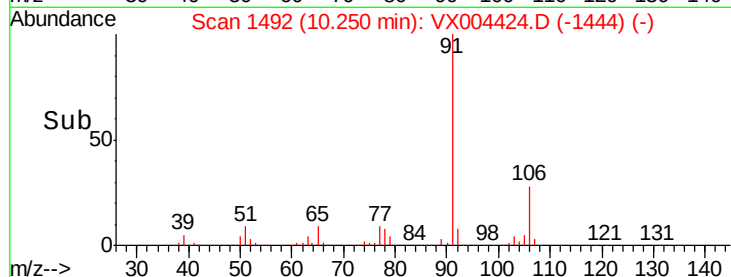
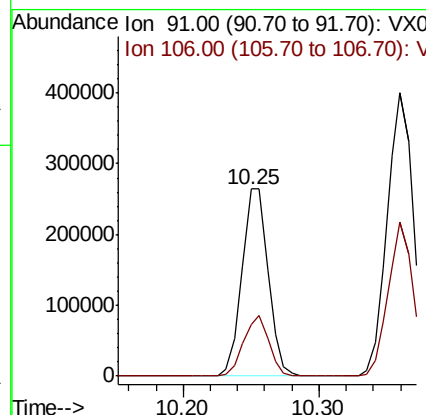
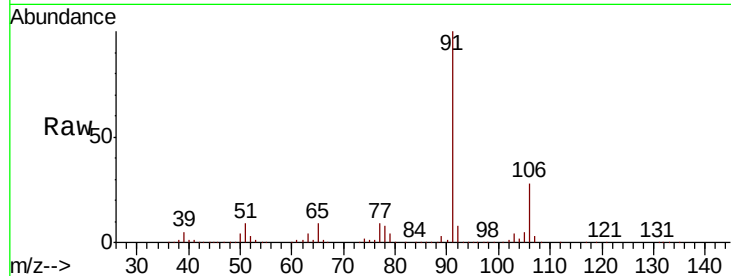




#67
Ethyl Benzene
Concen: 20.03 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

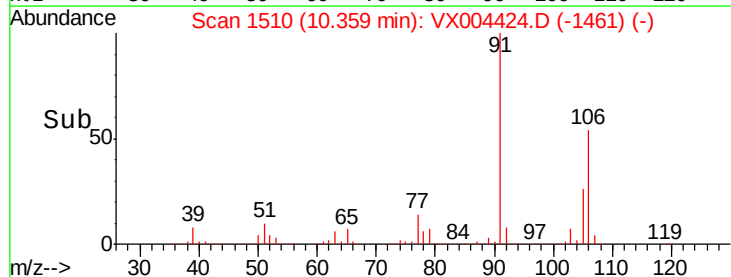
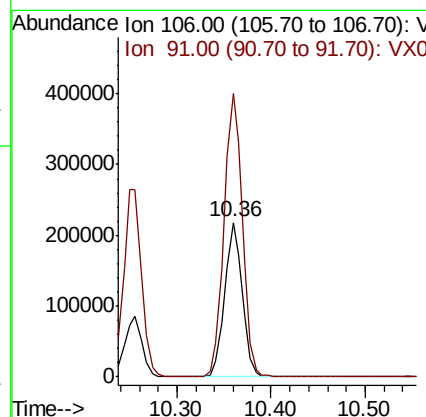
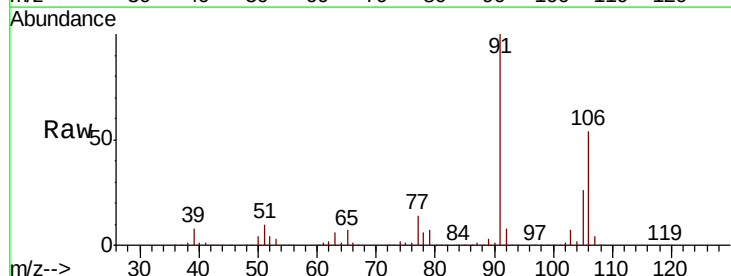
Instrument :
MSVOA_X
ClientSampled :
VX0907WBS02

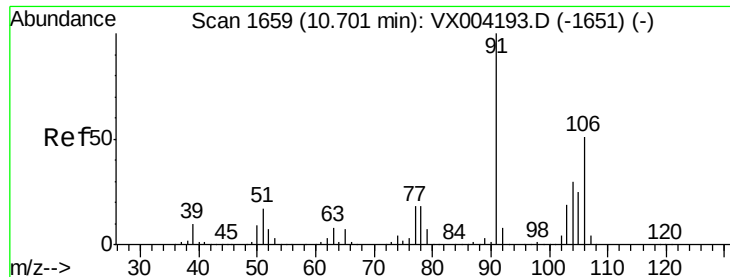
Tot Ion: 91 Resp: 357406
Ion Ratio Lower Upper
91 100
106 27.7 25.9 38.9



#68
m/p-Xylenes
Concen: 40.15 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion: 106 Resp: 280061
Ion Ratio Lower Upper
106 100
91 192.9 157.1 235.7

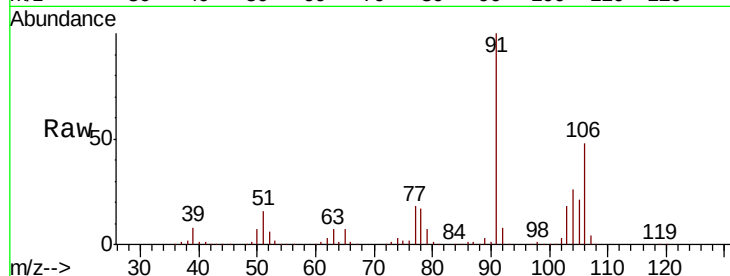




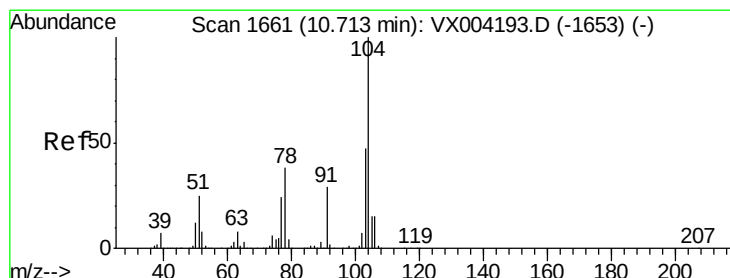
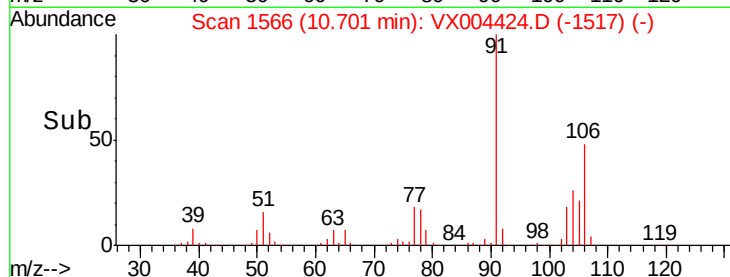
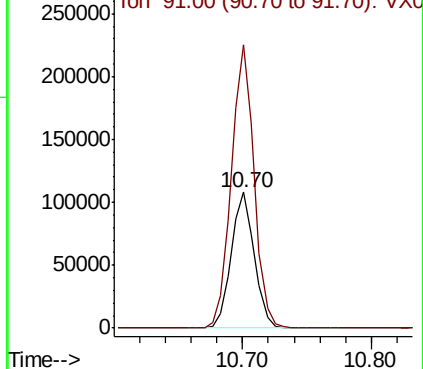
#69
o-Xylene
Concen: 20.43 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampled :
VX0907WBS02

Tot Ion:106 Resp: 134778
Ion Ratio Lower Upper
106 100
91 207.0 105.1 315.1

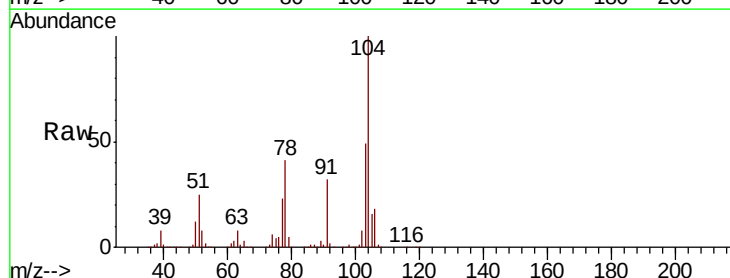


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

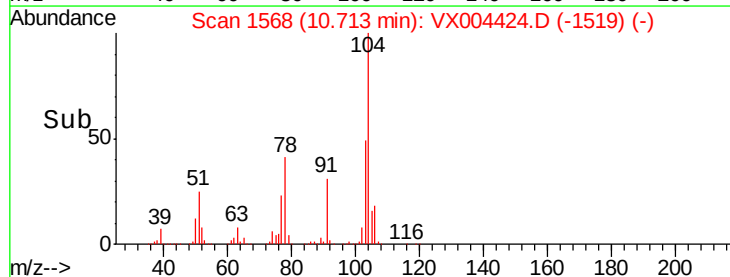
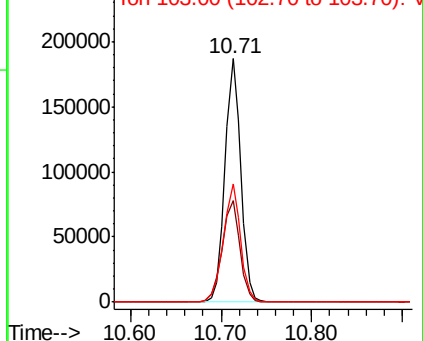


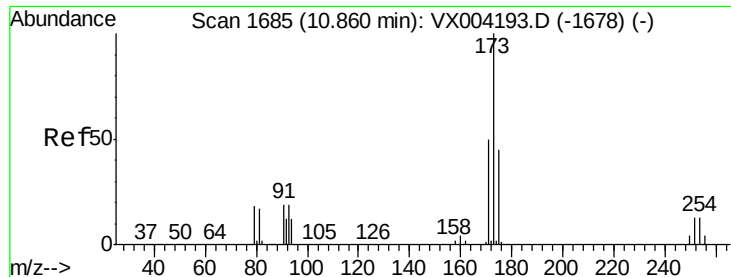
#70
Styrene
Concen: 21.44 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion:104 Resp: 229029
Ion Ratio Lower Upper
104 100
78 46.7 37.4 56.0
103 52.6 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: 19.69 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

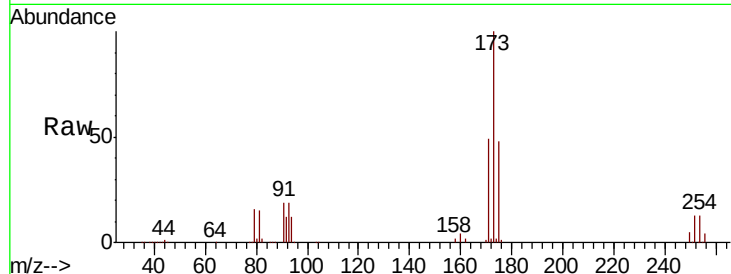
Tot Ion:173 Resp: 60135

Ion Ratio Lower Upper

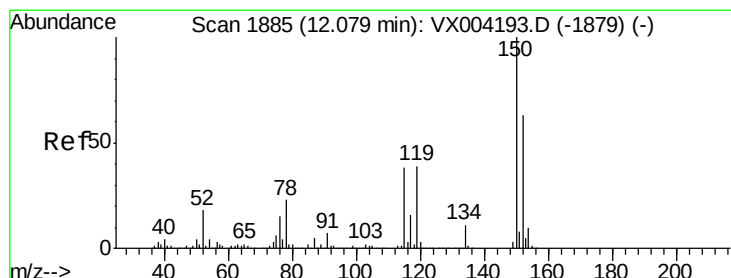
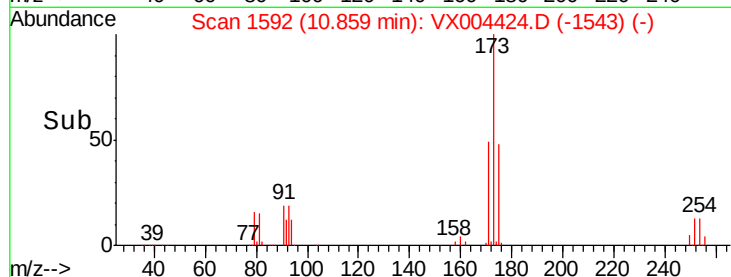
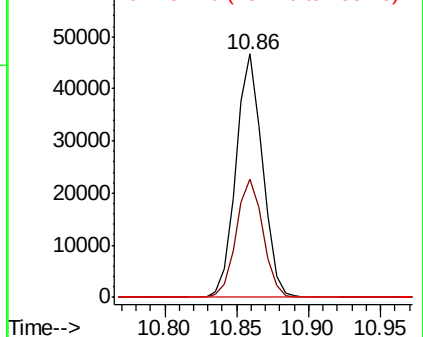
173 100

175 48.9 24.1 72.3

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

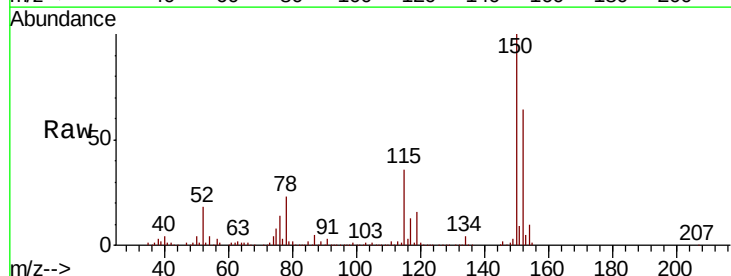
Tgt Ion:152 Resp: 277485

Ion Ratio Lower Upper

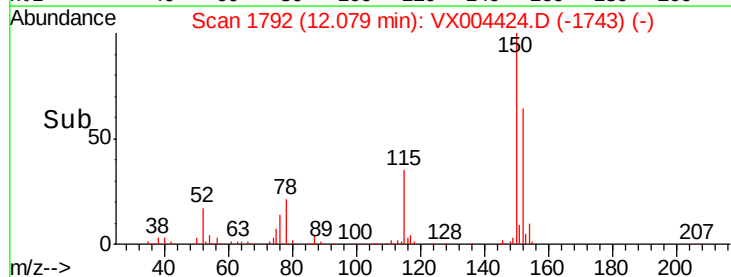
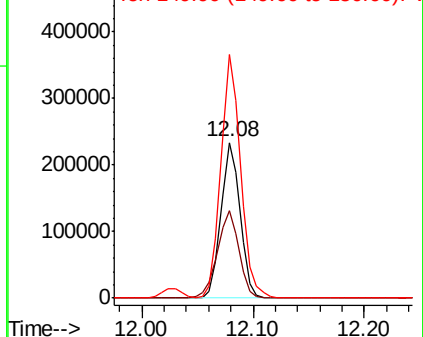
152 100

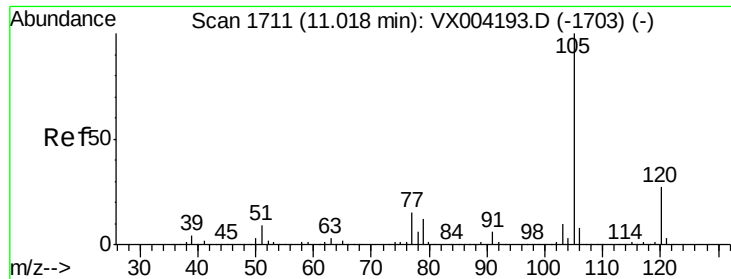
115 63.4 39.0 117.0

150 162.6 0.0 351.0



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





#73

Isopropylbenzene

Concen: 20.56 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

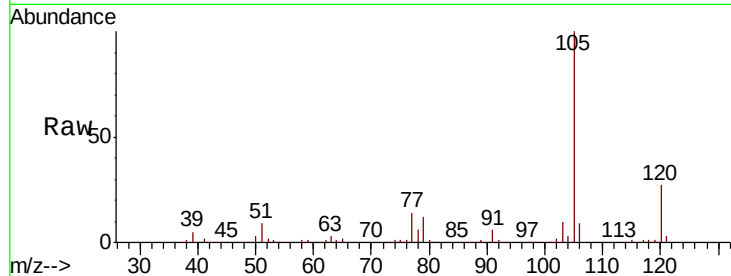
VX0907WBS02

Tot Ion:105 Resp: 374759

Ion Ratio Lower Upper

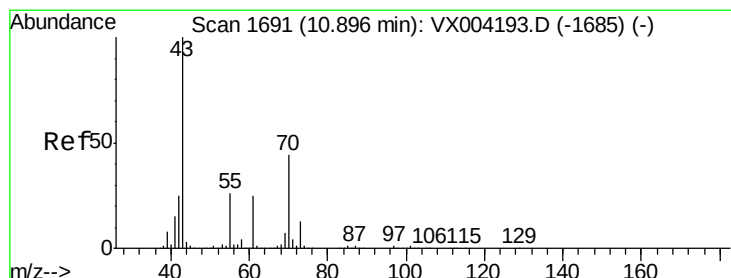
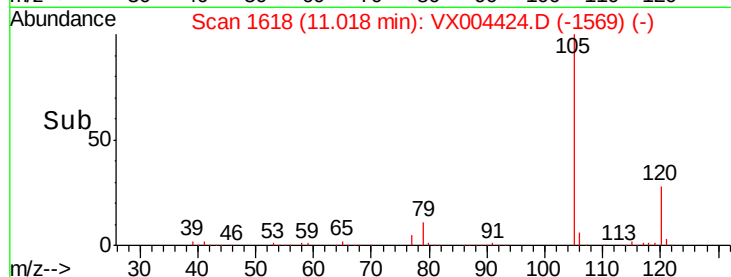
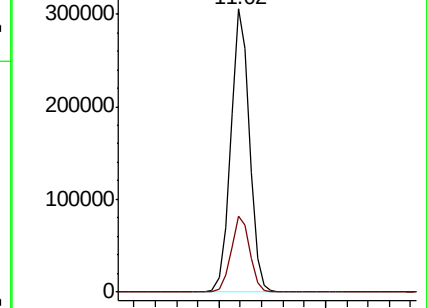
105 100

120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.58 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Tgt Ion: 43 Resp: 137423

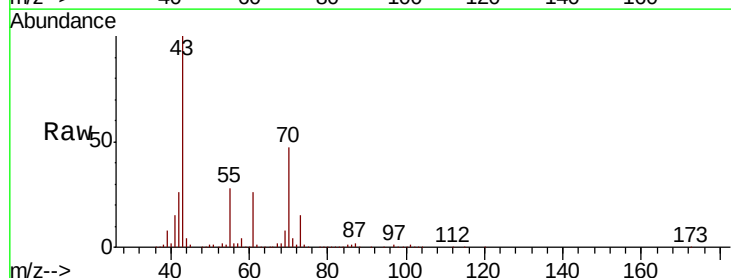
Ion Ratio Lower Upper

43 100

70 46.5 37.4 56.0

55 28.7 21.8 32.8

61 25.6 20.6 30.8

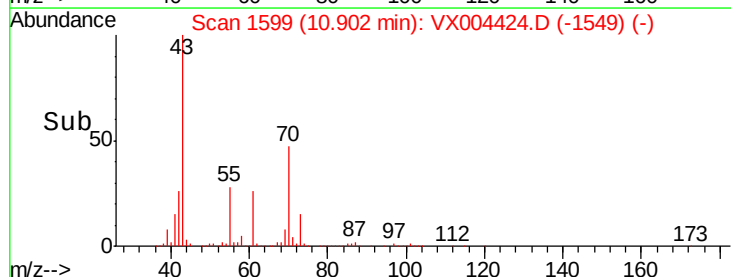
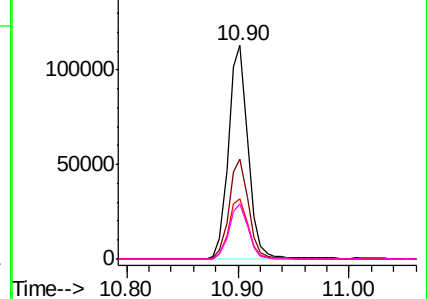


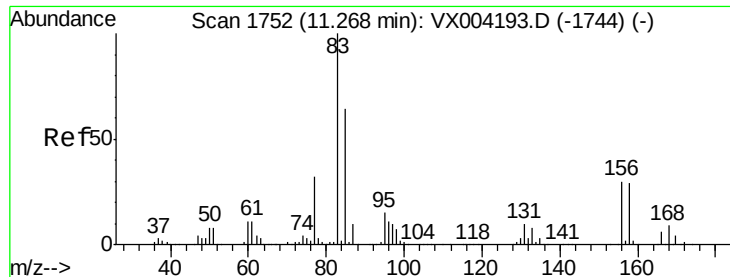
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

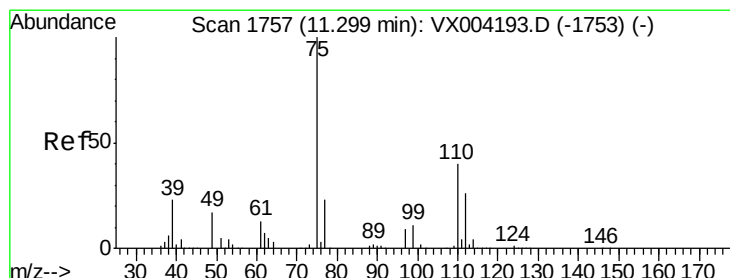
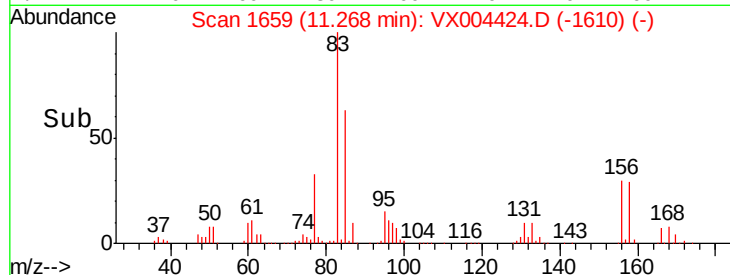
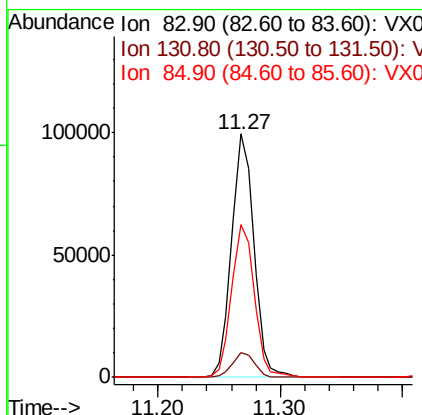
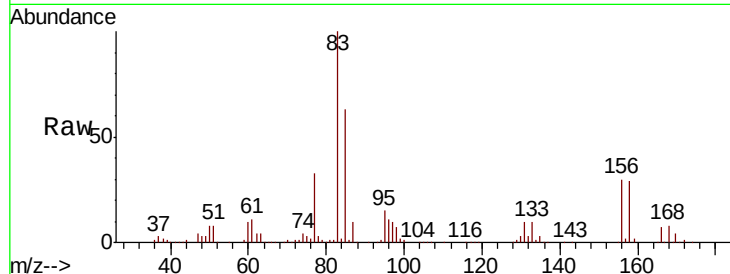




#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.70 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

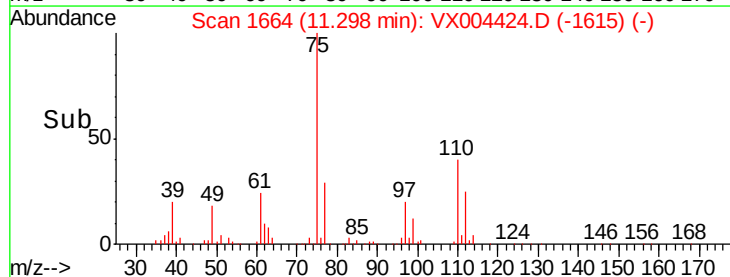
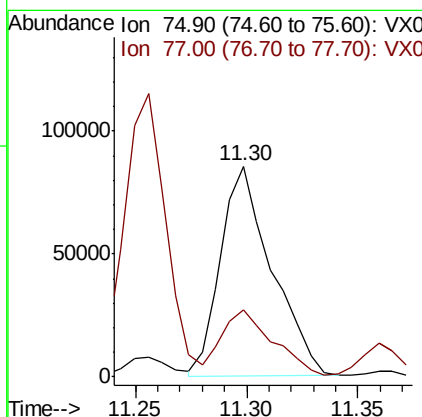
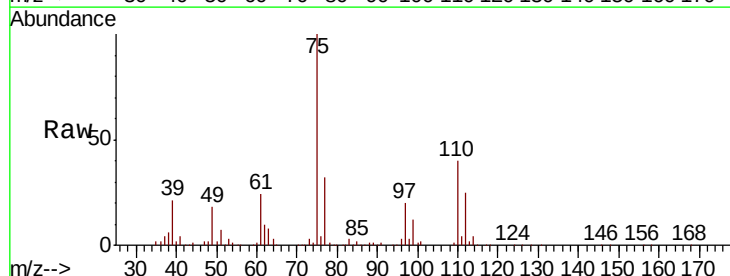
Instrument :
 MSVOA_X
 ClientSampled :
 VX0907WBS02

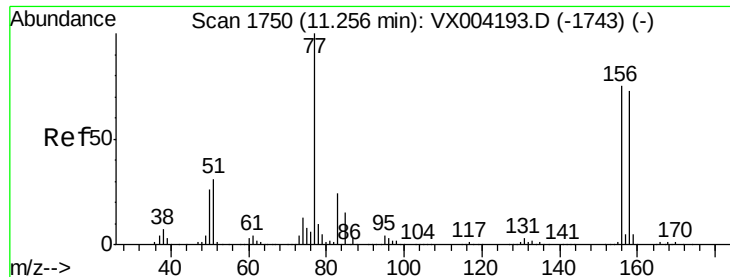
Tot Ion: 83 Resp: 125615
 Ion Ratio Lower Upper
 83 100
 131 10.4 5.2 15.6
 85 64.1 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 24.10 ug/l
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion: 75 Resp: 136029
 Ion Ratio Lower Upper
 75 100
 77 32.4 20.2 60.6





#77

Bromobenzene

Concen: 19.80 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

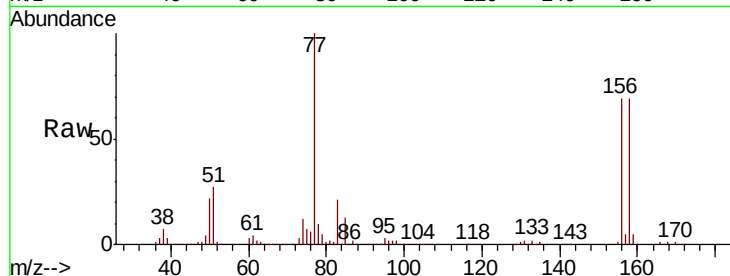
Tot Ion:156 Resp: 101213

Ion Ratio Lower Upper

156 100

77 148.0 71.5 214.3

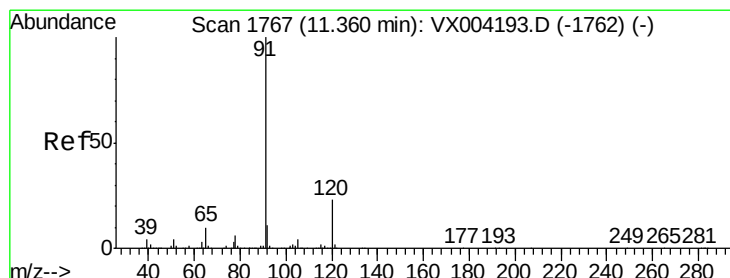
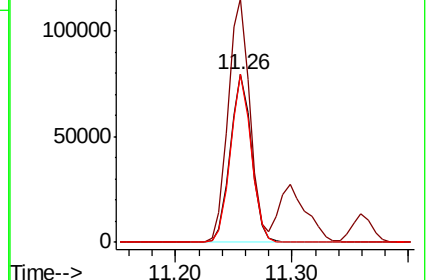
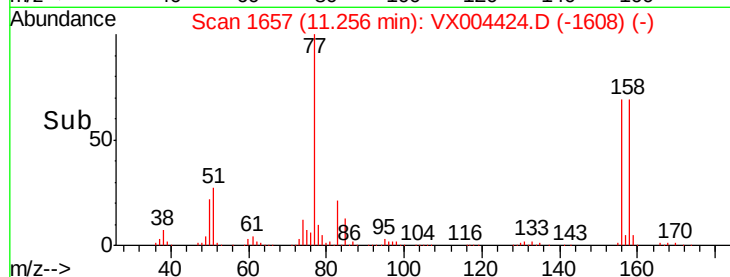
158 97.7 48.9 146.8



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: 20.31 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004424.D

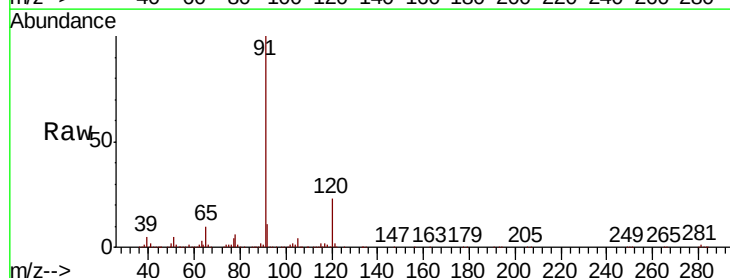
Acq: 07 Sep 2018 23:39

Tgt Ion: 91 Resp: 425769

Ion Ratio Lower Upper

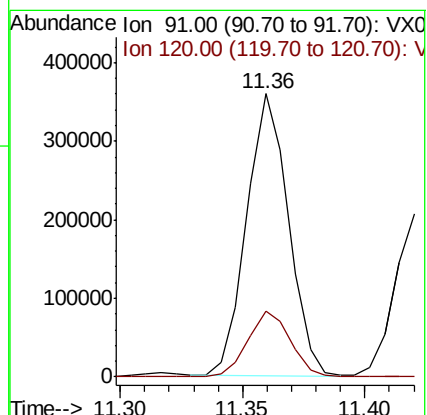
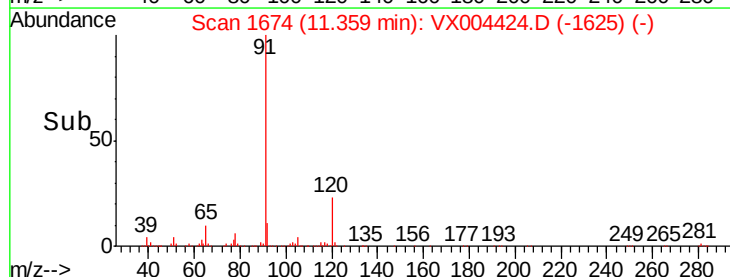
91 100

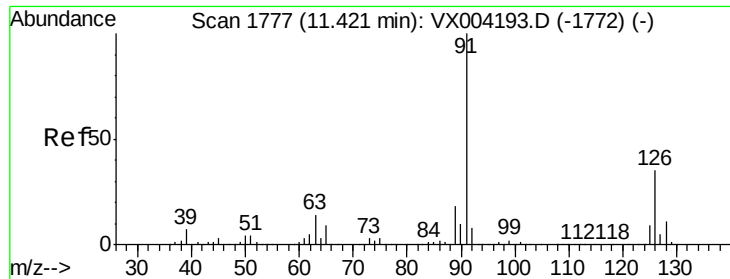
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

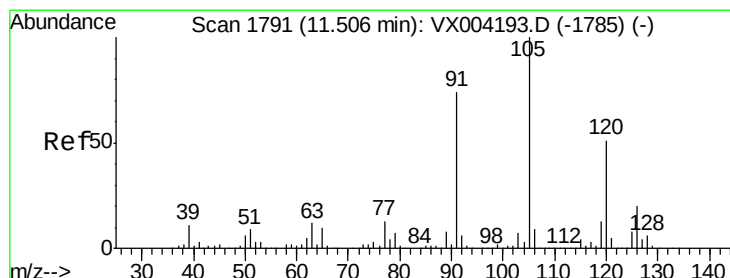
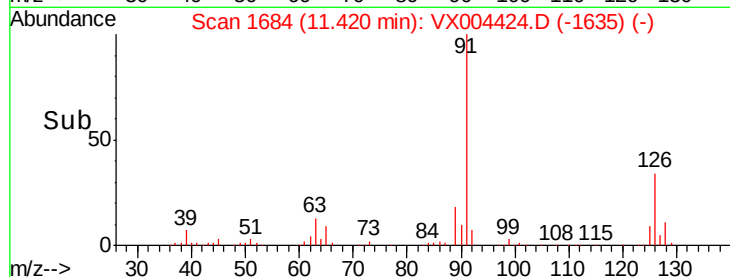
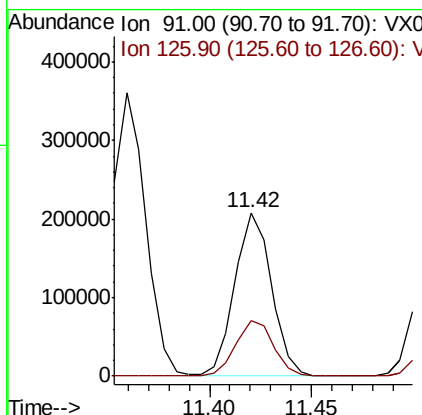
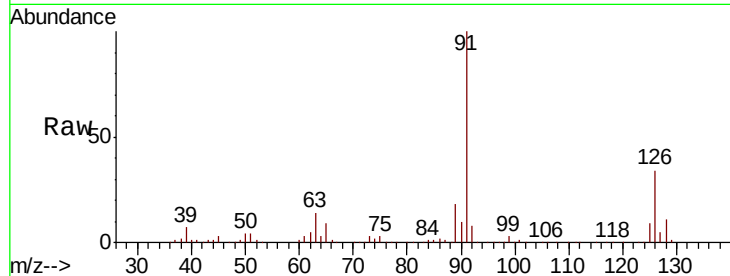




#79
 2-Chlorotoluene
 Concen: 20.05 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

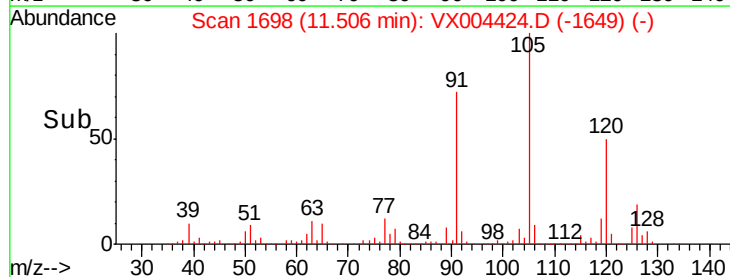
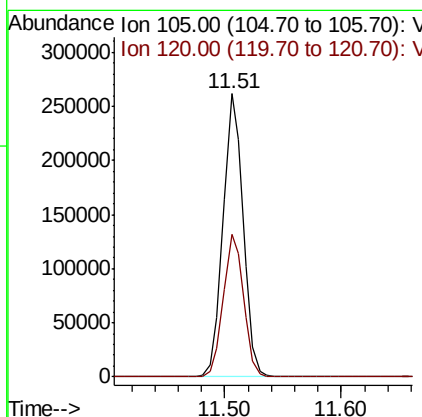
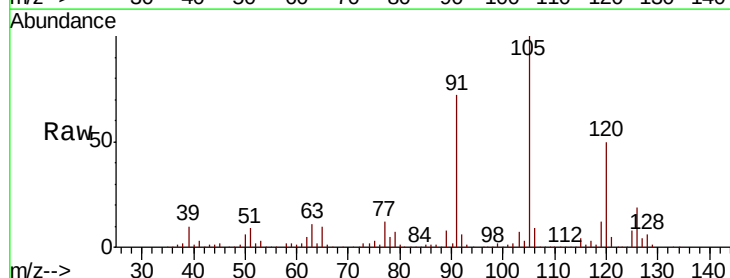
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

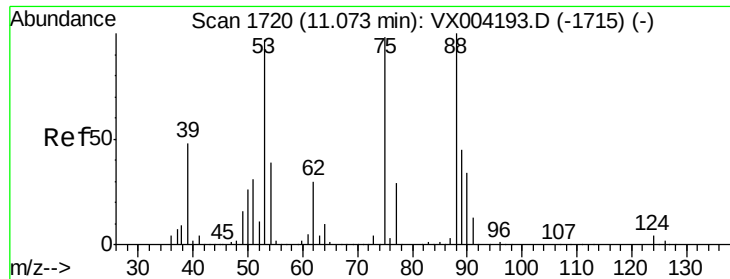
Tot Ion: 91 Resp: 258725
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.57 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion: 105 Resp: 310523
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.94 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

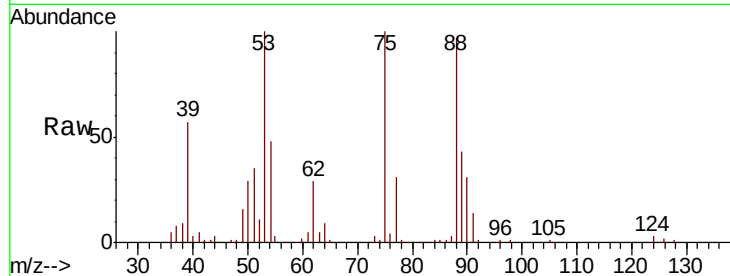
Tot Ion: 75 Resp: 29469

Ion Ratio Lower Upper

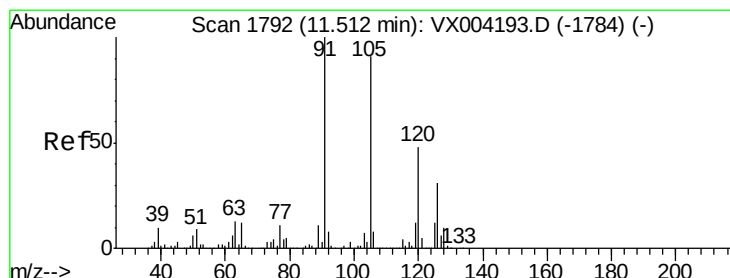
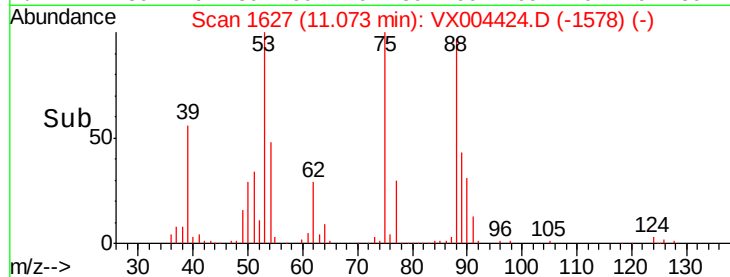
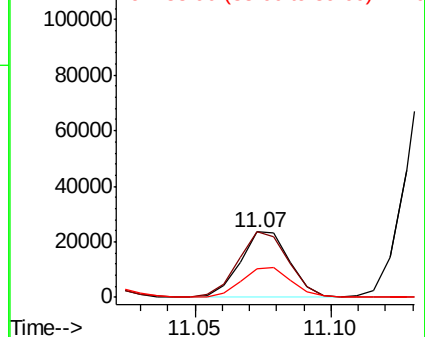
75 100

53 101.8 80.1 120.1

89 45.0 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.62 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004424.D

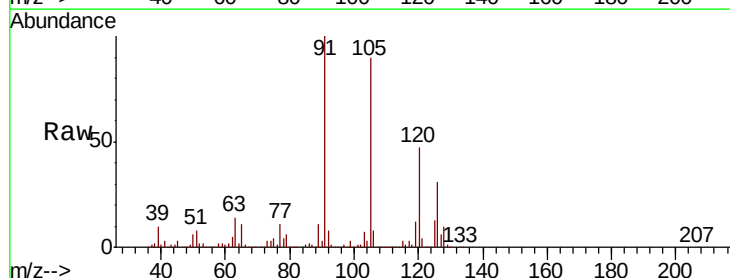
Acq: 07 Sep 2018 23:39

Tgt Ion: 91 Resp: 297844

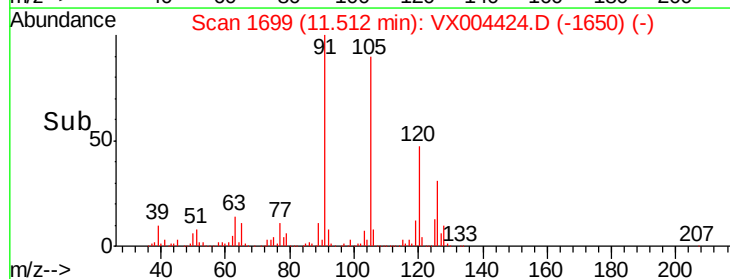
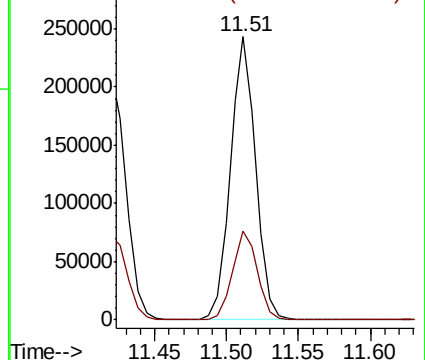
Ion Ratio Lower Upper

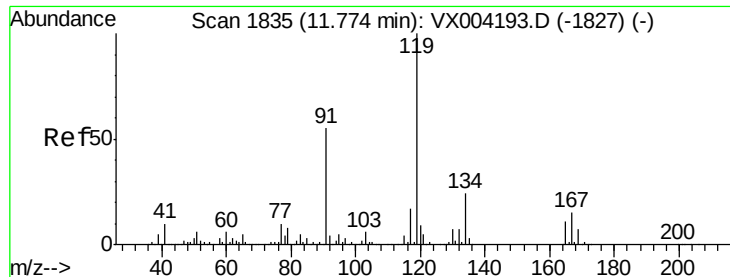
91 100

126 31.1 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

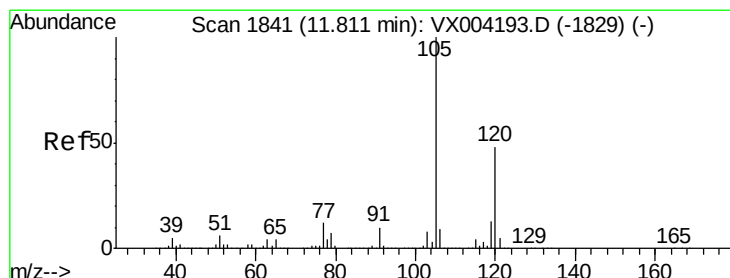
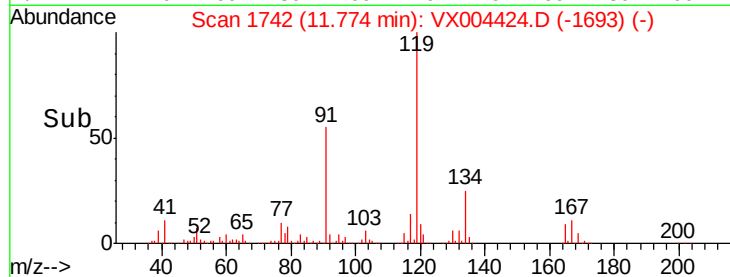
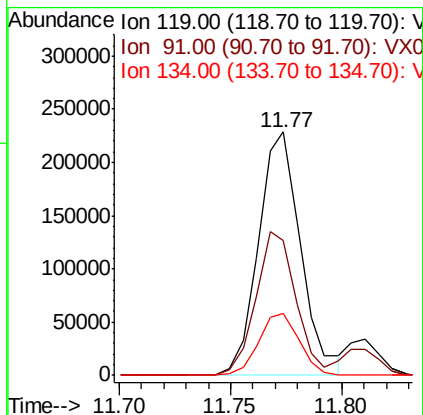
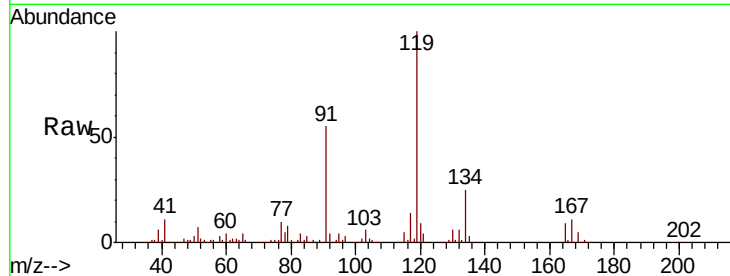




#83
 tert-Butylbenzene
 Concen: 19.86 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

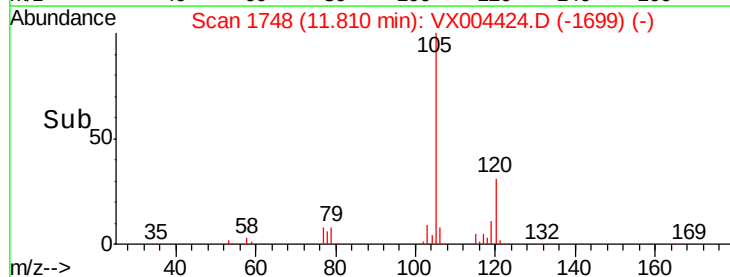
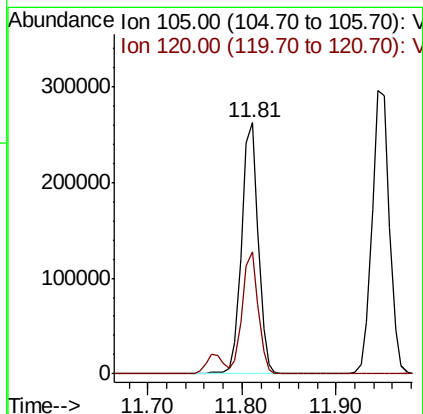
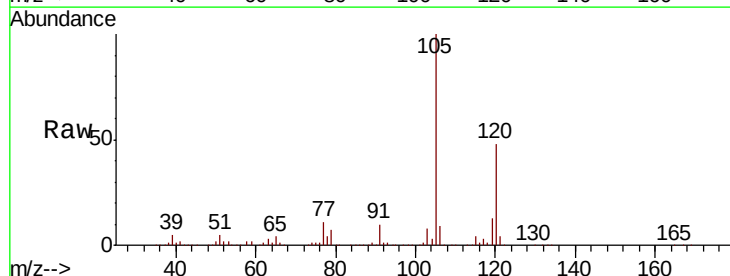
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

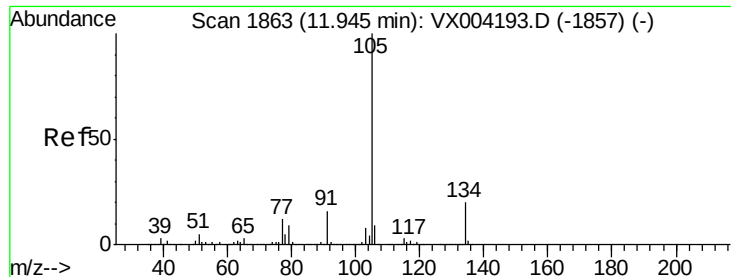
Tot Ion:119 Resp: 301579
 Ion Ratio Lower Upper
 119 100
 91 55.9 27.0 81.0
 134 24.7 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.74 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion:105 Resp: 321386
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.2 69.6





#85

sec-Butylbenzene

Concen: 20.93 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

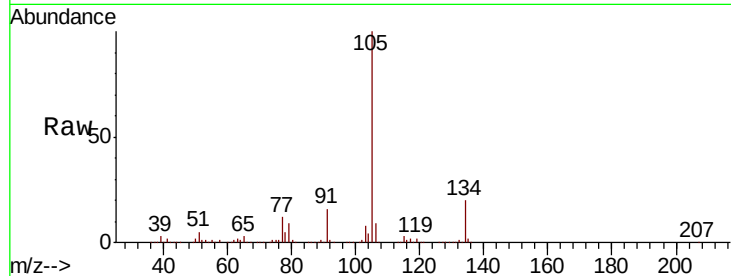
VX0907WBS02

Tot Ion:105 Resp: 377301

Ion Ratio Lower Upper

105 100

134 20.5 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

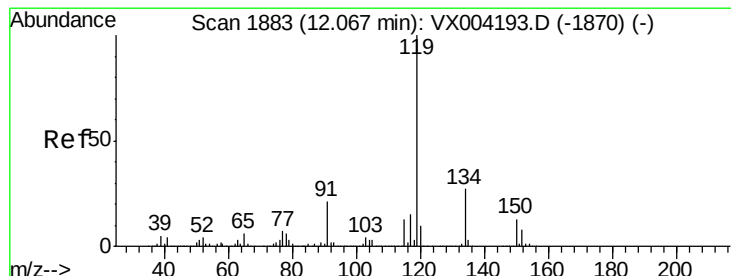
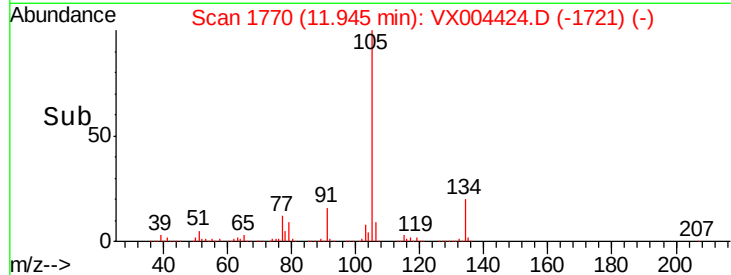
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.88 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

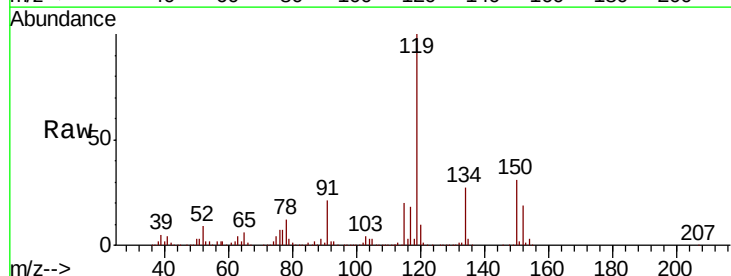
Tgt Ion:119 Resp: 337358

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 21.5 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

12.07

400000

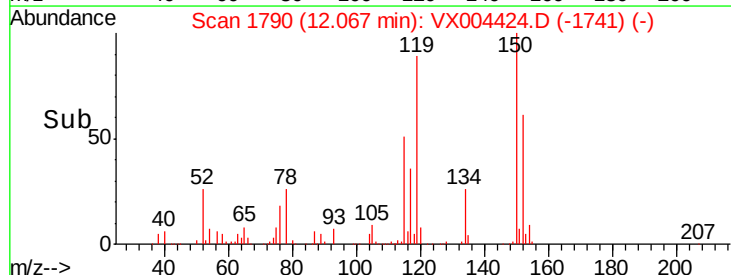
300000

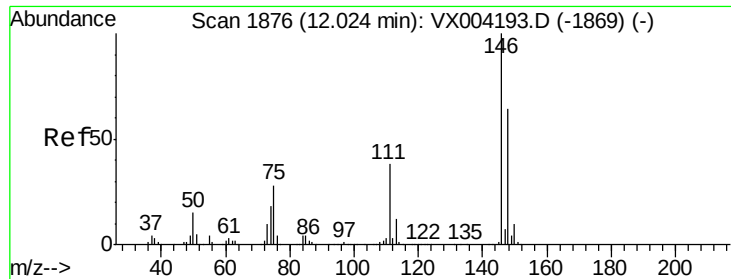
200000

100000

0

Time-->

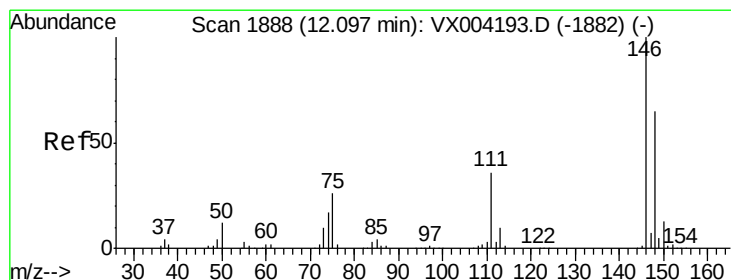
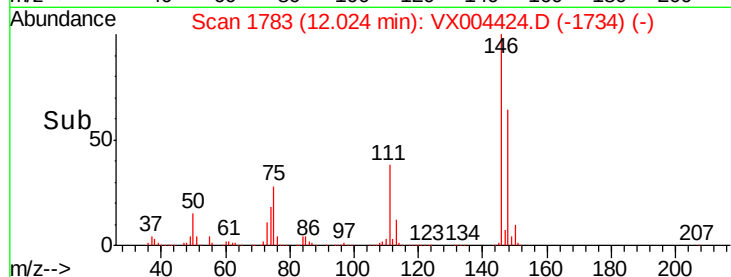
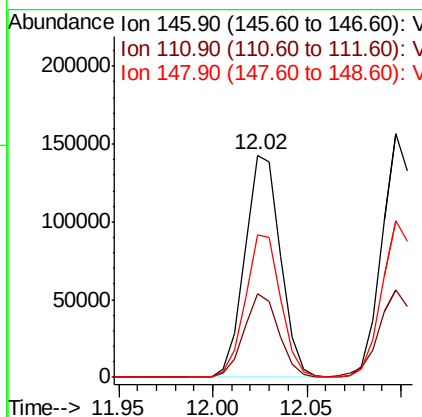
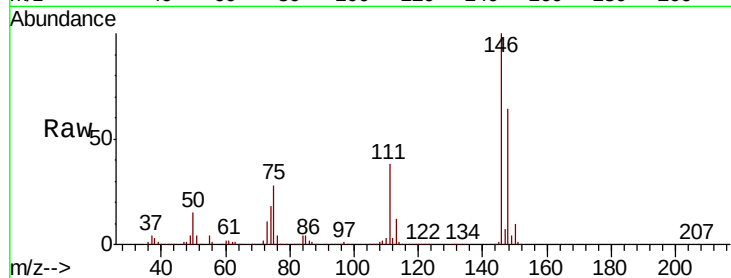




#87
 1,3-Dichlorobenzene
 Concen: 19.44 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

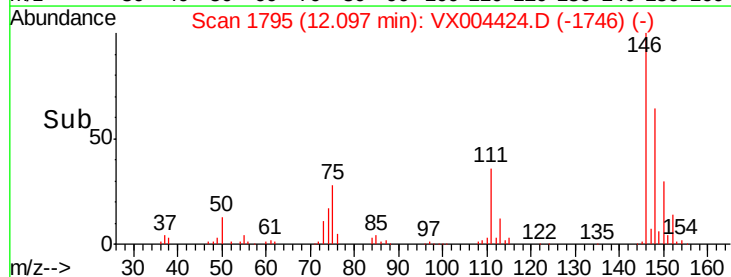
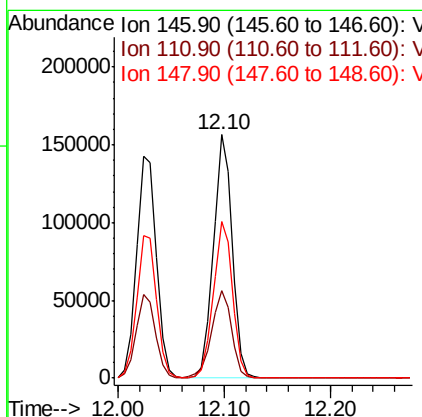
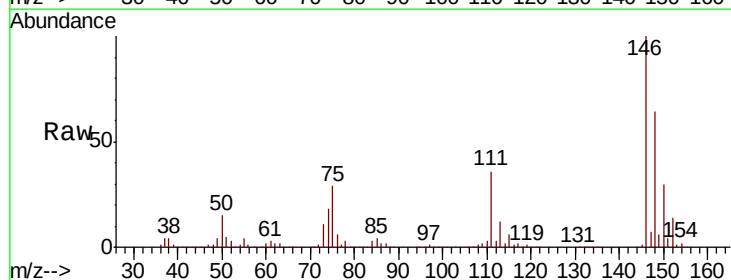
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

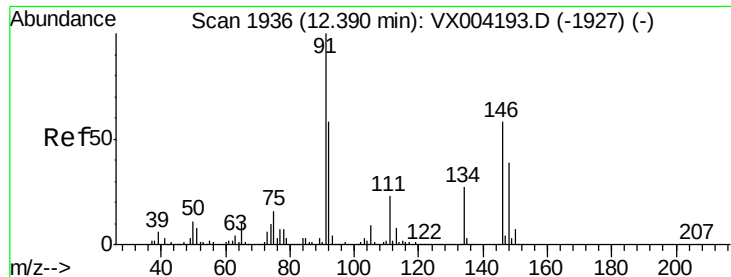
Tot Ion:146 Resp: 187131
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.7 56.1
 148 63.9 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.66 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion:146 Resp: 189348
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.1 54.1
 148 65.5 32.0 96.0

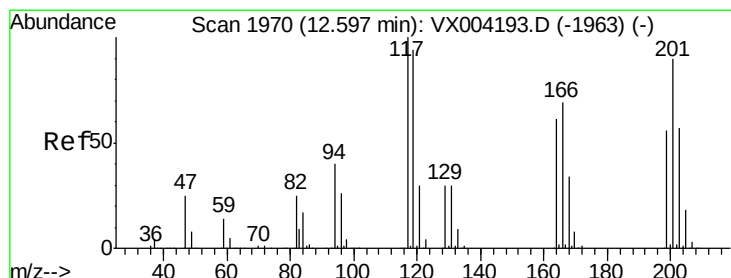
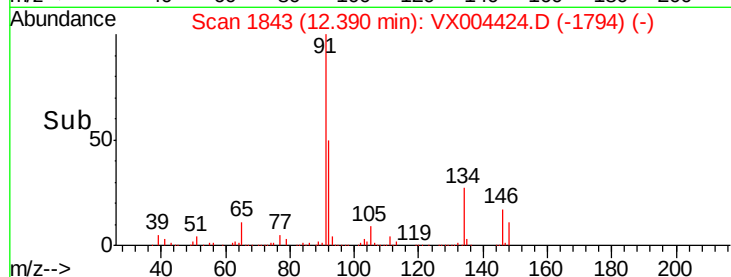
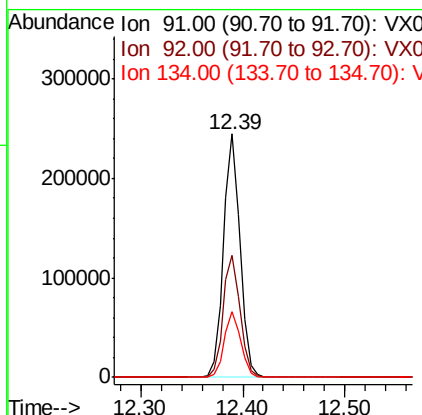
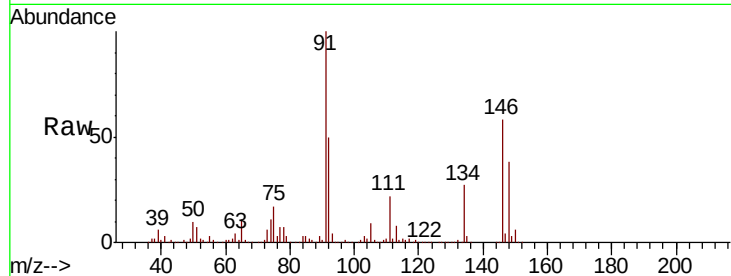




#89
n-Butylbenzene
Concen: 20.99 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

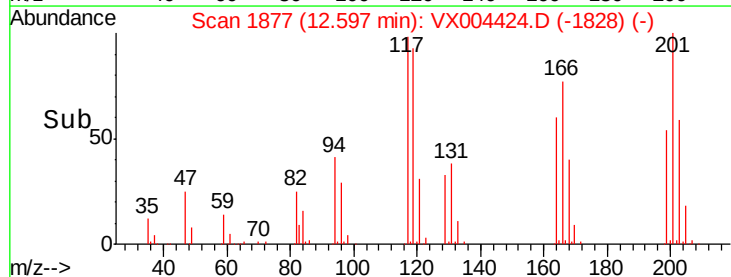
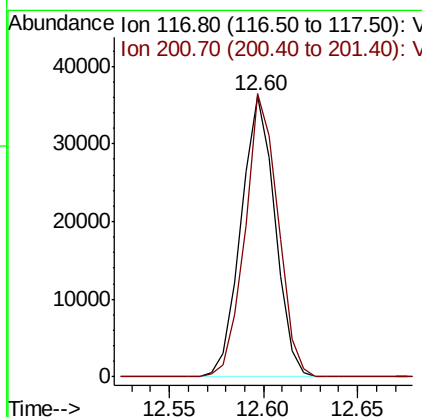
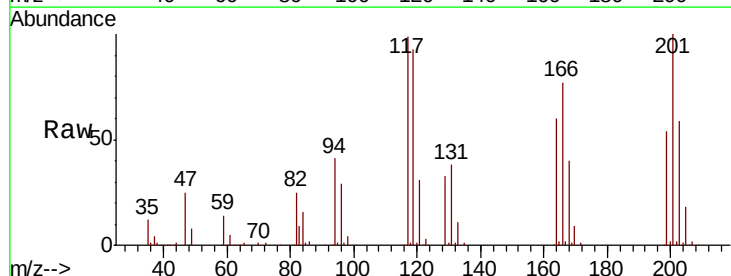
Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

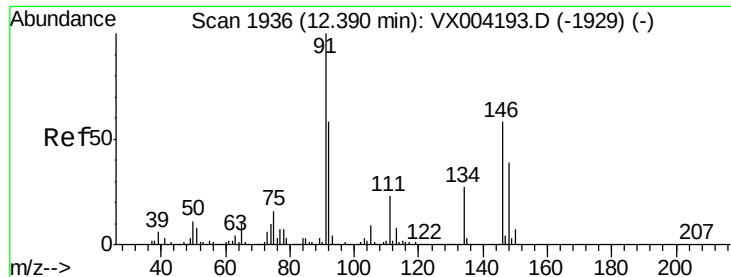
Tot Ion: 91 Resp: 275756
Ion Ratio Lower Upper
91 100
92 51.5 27.3 81.9
134 26.9 13.6 40.7



#90
Hexachloroethane
Concen: 19.98 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion: 117 Resp: 45127
Ion Ratio Lower Upper
117 100
201 97.8 46.9 140.6

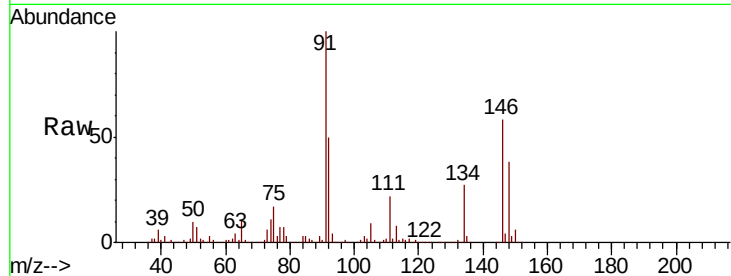




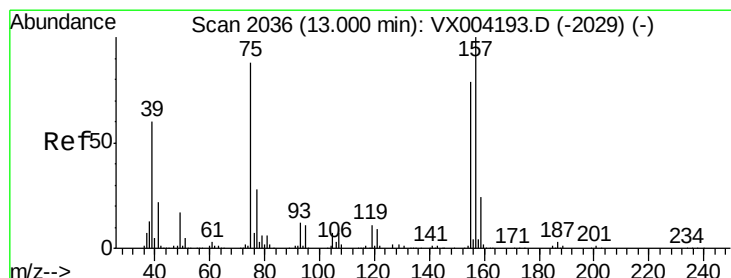
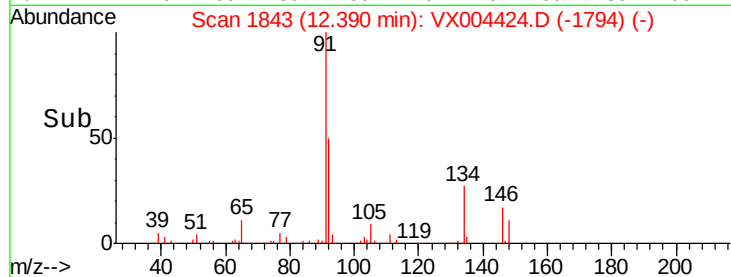
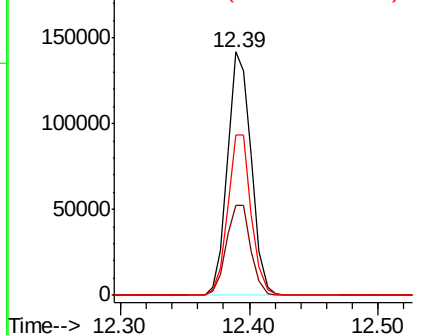
#91
 1,2-Dichlorobenzene
 Concen: 20.89 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

Tot Ion:146 Resp: 183767
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.4 58.1
 148 65.0 32.8 98.3

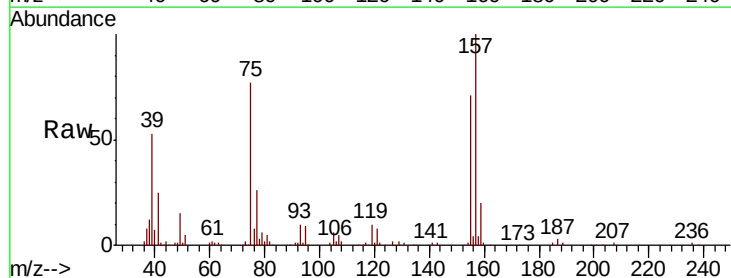


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

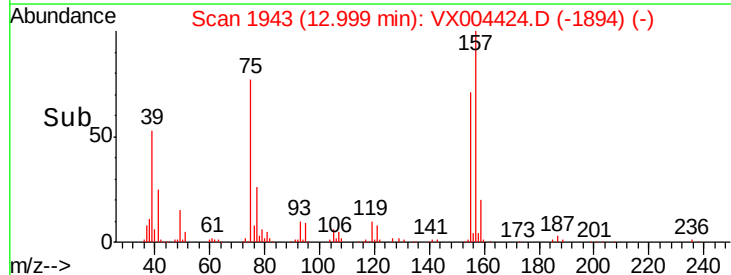
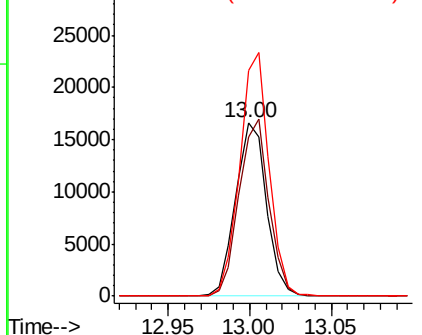


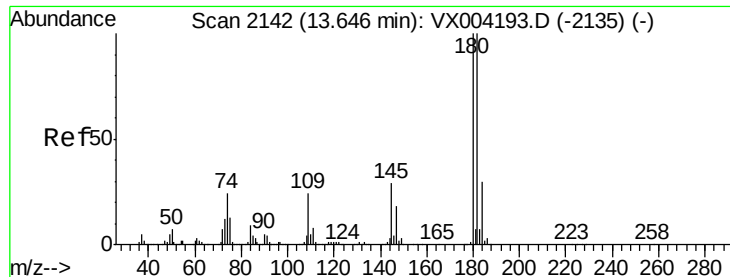
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.54 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion: 75 Resp: 21949
 Ion Ratio Lower Upper
 75 100
 155 98.9 48.0 144.2
 157 132.8 61.4 184.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

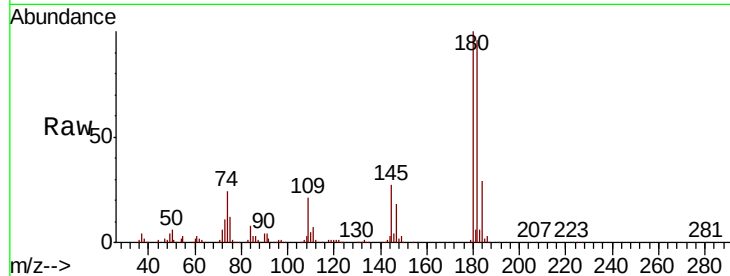




#93
 1,2,4-Trichlorobenzene
 Concen: 19.96 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.4	145.0
145	28.3	14.3	42.9

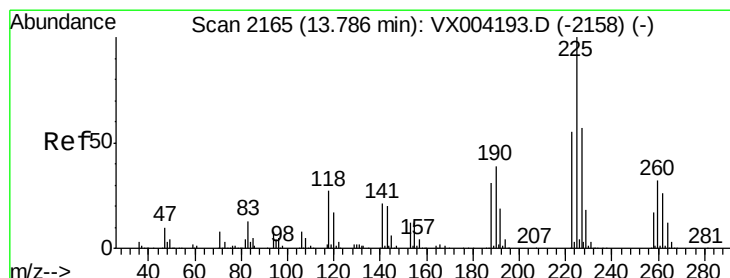
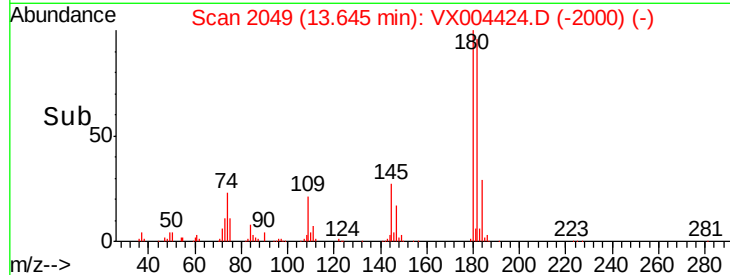
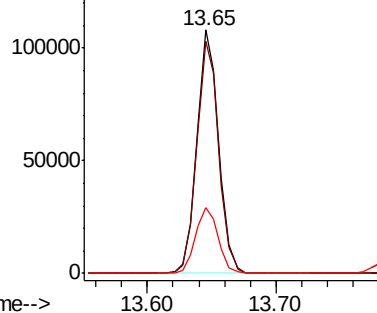


Abundance

Ion 179.80 (179.50 to 180.50): V

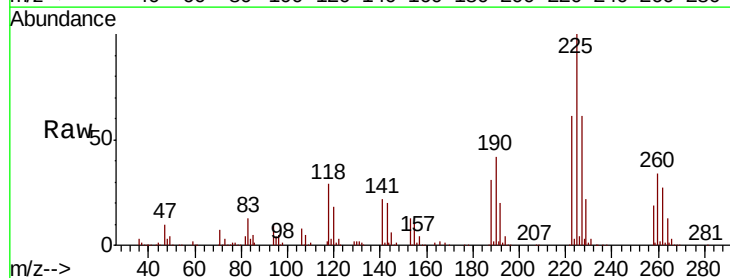
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.42 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.1	90.5
227	64.3	30.8	92.4

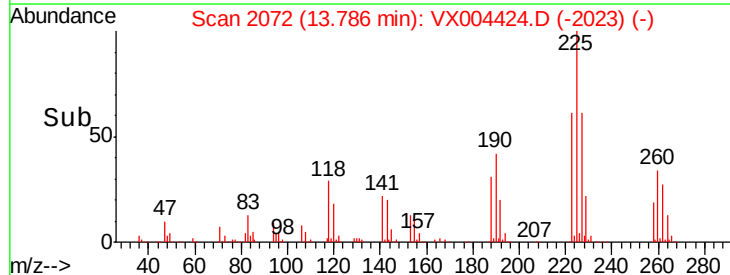
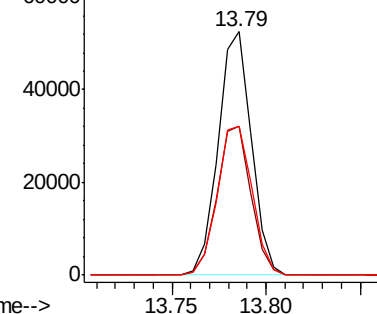


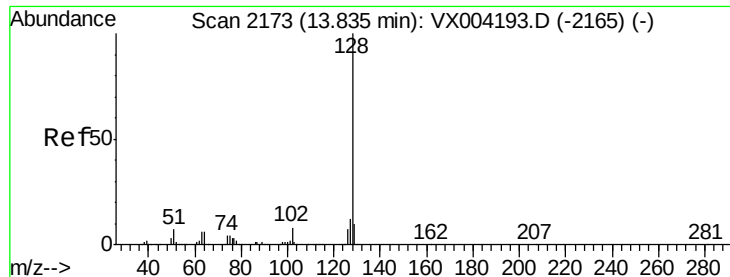
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.58 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

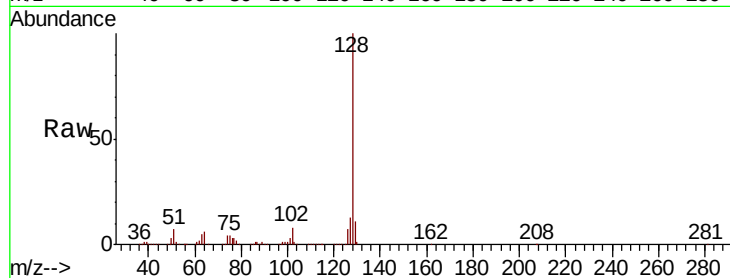
Tot Ion:128 Resp: 390593

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

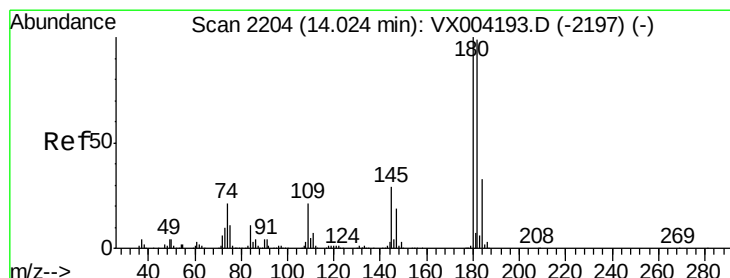
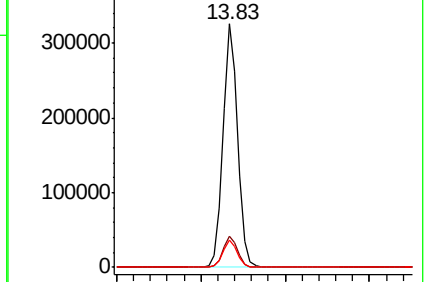
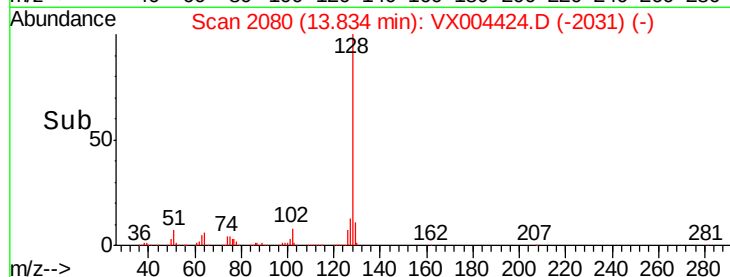
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.81 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

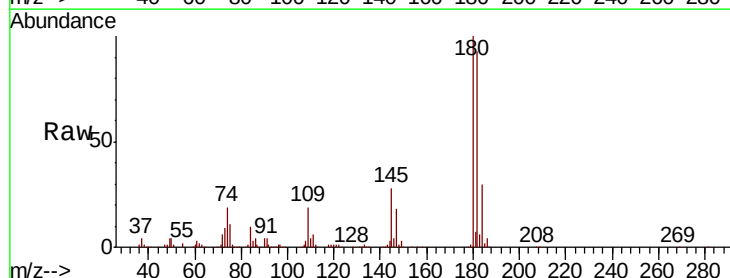
Tgt Ion:180 Resp: 140985

Ion Ratio Lower Upper

180 100

182 94.5 48.5 145.6

145 28.9 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

