

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003898.D
 Acq On : 08 Aug 2018 00:05
 Operator : JC/MD
 Sample : VX0807WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD02

Quant Time: Aug 08 04:17:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	69063	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	371844	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	345210	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	142570	28.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.73%
60) 4-Bromofluorobenzene	11.14	95	161867	29.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.07%
63) Toluene-d8	8.72	98	461658	29.69	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.97%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	96290	26.40	ug/l	100
3) Chloromethane	1.32	50	98294	20.02	ug/l	98
4) Vinyl Chloride	1.40	62	100052	19.38	ug/l	100
5) Bromomethane	1.64	94	59758	19.36	ug/l	99
6) Chloroethane	1.72	64	76047	22.50	ug/l	99
7) Trichlorofluoromethane	1.93	101	130305	18.76	ug/l	99
8) Diethyl Ether	2.19	74	55482	18.64	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	79402	18.86	ug/l	92
10) 1,1-Dichloroethene	2.37	96	73879	18.66	ug/l	95
11) Methyl Iodide	2.51	142	93580	17.05	ug/l	96
12) Methyl Acetate	2.78	43	155622	21.24	ug/l	93
13) Acrolein	2.29	56	72953	127.67	ug/l	98
14) Acrylonitrile	3.15	53	259984	90.06	ug/l	99
15) Acetone	2.45	58	73771	94.17	ug/l	73
16) Carbon Disulfide	2.57	76	198411	18.04	ug/l	99
17) Allyl chloride	2.73	41	139884	17.07	ug/l	93
18) Methylene Chloride	2.86	84	88240	18.81	ug/l	96
19) trans-1,2-Dichloroethene	3.16	96	79026	18.46	ug/l	97
20) Diisopropyl ether	3.87	45	255169	16.96	ug/l	97
21) 1,1-Dichloroethane	3.70	63	158140	18.56	ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	89311	20.66	ug/l #	69
23) tert-Butyl Alcohol	3.07	59	114878	94.74	ug/l #	100
25) Chloroform	5.22	83	146371	19.84	ug/l	98
26) Cyclohexane	5.57	56	124956	19.52	ug/l #	90
29) 1,1-Dichloropropene	5.80	75	109648	19.97	ug/l	99
30) 2-Butanone	4.71	43	330518	94.26	ug/l	93
31) 2,2-Dichloropropane	4.59	77	79116	14.87	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	124309	19.79	ug/l	98
33) Carbon Tetrachloride	5.78	117	105377	19.30	ug/l	98
34) Benzene	6.14	78	340832	20.20	ug/l	97
35) Methacrylonitrile	5.07	41	68570	18.82	ug/l	89
36) 1,2-Dichloroethane	6.20	62	116817	19.26	ug/l #	94
37) Trichloroethene	7.21	130	89242	20.30	ug/l	92
38) Methylcyclohexane	7.46	83	121593	19.49	ug/l	95
39) 1,2-Dichloropropane	7.52	63	84721	19.00	ug/l	98
40) Dibromomethane	7.67	93	56040	19.42	ug/l	98
41) Bromodichloromethane	7.90	83	104681	18.99	ug/l	98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	3.82	43	1009634	74.93	ug/l	96
43) Ethyl Acetate	4.87	43	118828	18.14	ug/l	97
44) Isopropyl Acetate	6.47	43	181186	18.03	ug/l	93
45) 1,4-Dioxane	7.76	88	45311	406.11	ug/l #	84
46) Methyl methacrylate	7.78	41	95183	18.36	ug/l	90
47) n-amyl Acetate	10.90	43	152332	16.06	ug/l #	88
48) t-1,3-Dichloropropene	8.44	75	120858	18.07	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	107910	17.20	ug/l	93
50) 1,1,2-Trichloroethane	9.22	97	86754	18.94	ug/l	97
51) Ethyl methacrylate	9.18	69	119781	17.37	ug/l	84
52) 1,3-Dichloropropane	9.37	76	146444	19.21	ug/l	99
53) Dibromochloromethane	9.59	129	81383	18.09	ug/l	99
54) 1,2-Dibromoethane	9.68	107	88254	18.43	ug/l	98
55) 2-Chloroethyl vinyl ether	8.32	63	320468	90.10	ug/l	98
56) Bromoform	10.86	173	61888	17.73	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	636975	97.72	ug/l #	91
59) 2-Hexanone	9.50	43	486109	93.66	ug/l	91
61) Tetrachloroethene	9.34	164	87147	21.69	ug/l	99
62) Toluene	8.79	91	366282	20.44	ug/l	100
64) Chlorobenzene	10.14	112	237344	20.50	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	81916	19.99	ug/l	98
66) Ethyl Benzene	10.26	91	393640	19.96	ug/l	99
67) m/p-Xylenes	10.36	106	309099	40.70	ug/l	96
68) o-Xylene	10.70	106	147501	20.30	ug/l	95
69) Styrene	10.71	104	245649	19.97	ug/l	95
70) Isopropylbenzene	11.02	105	396820	19.84	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	136524	19.12	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	147436	24.82	ug/l	93
73) Bromobenzene	11.26	156	104795	19.44	ug/l	99
74) n-propylbenzene	11.36	91	454738	19.30	ug/l	99
75) 2-Chlorotoluene	11.42	91	276515	19.91	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	329985	19.44	ug/l	97
77) t-1,4-Dichloro-2-butene	11.08	75	31908	15.76	ug/l	94
78) 4-Chlorotoluene	11.51	91	310016	19.08	ug/l	99
79) tert-butylbenzene	12.07	119	323291	18.51	ug/l	97
80) 1,2,4-Trimethylbenzene	11.81	105	339695	19.56	ug/l	97
81) sec-Butylbenzene	11.95	105	371474	18.79	ug/l	100
82) p-Isopropyltoluene	12.07	119	323291	18.51	ug/l	97
83) 1,3-Dichlorobenzene	12.03	146	182100	18.50	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	184380	18.60	ug/l	96
85) n-Butylbenzene	12.39	91	263198	16.98	ug/l	99
86) Hexachloroethane	12.60	117	45642	16.22	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	179323	18.14	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	23785	15.78	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	130535	18.81	ug/l	99
90) Hexachlorobutadiene	13.79	225	61041	19.41	ug/l	99
91) Naphthalene	13.83	128	415410	19.59	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	140304	19.86	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 27 16:17:43 2018
Response via : Initial Calibration

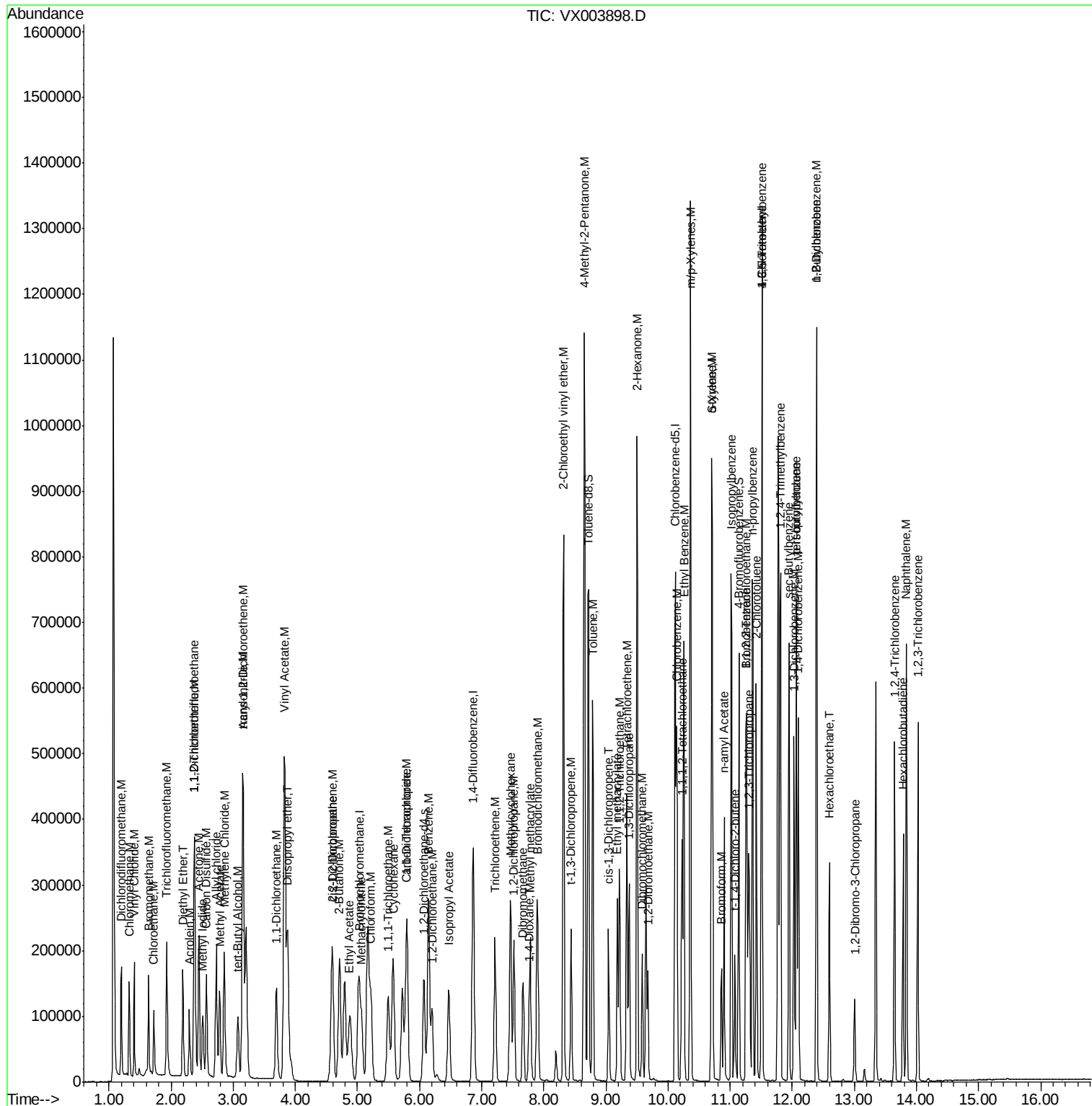
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

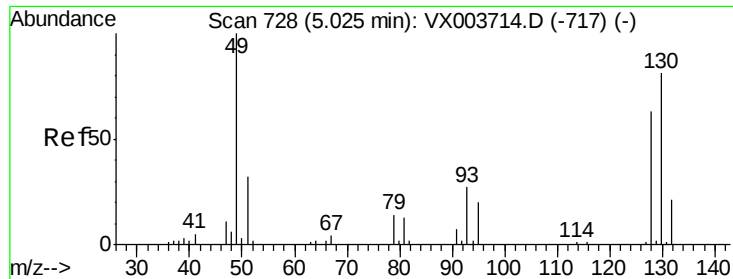
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080718\
Data File : VX003898.D
Acq On : 08 Aug 2018 00:05
Operator : JC/MD
Sample : VX0807WBSD02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD02

Quant Time: Aug 08 00:55:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 27 16:17:43 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD02

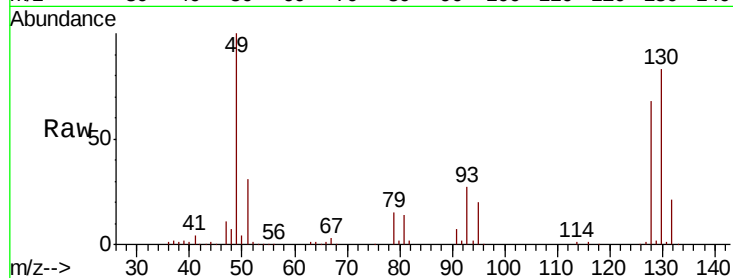
Tot Ion:128 Resp: 69063

Ion Ratio Lower Upper

128 100

49 153.2 0.0 423.0

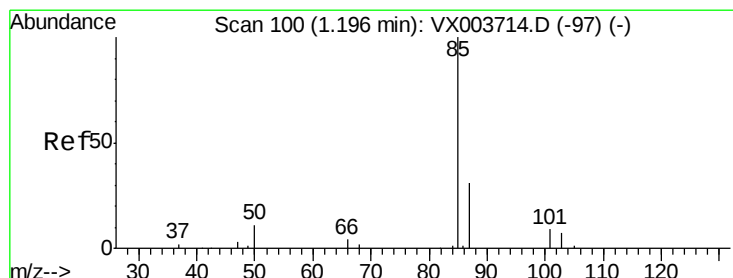
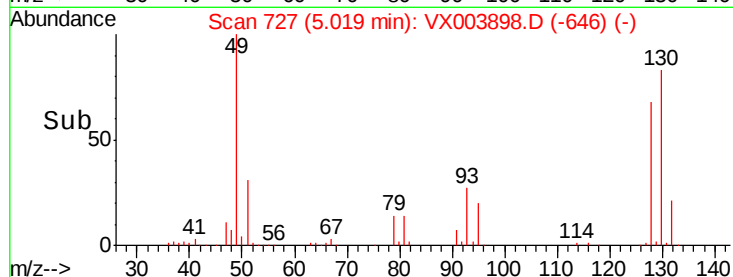
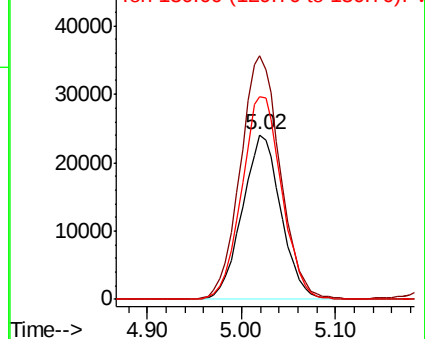
130 127.7 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 26.40 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003898.D

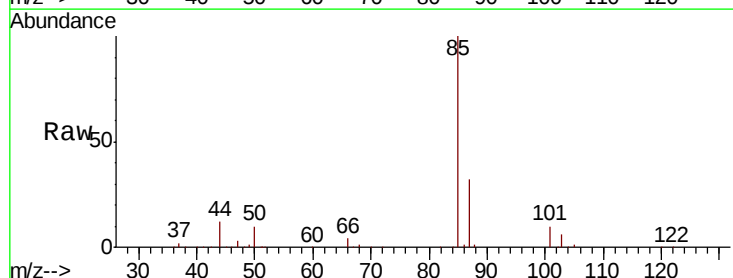
Acq: 08 Aug 2018 00:05

Tgt Ion: 85 Resp: 96290

Ion Ratio Lower Upper

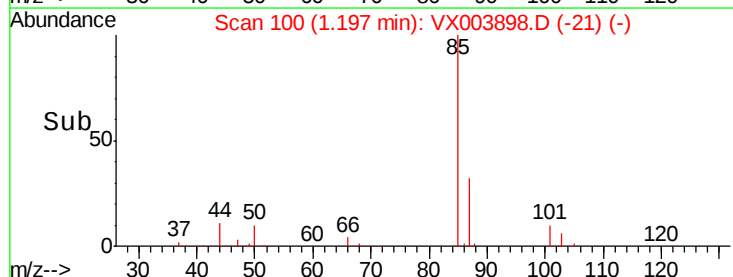
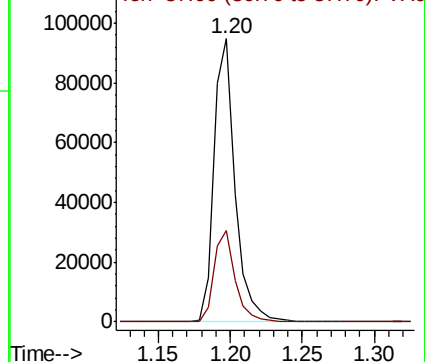
85 100

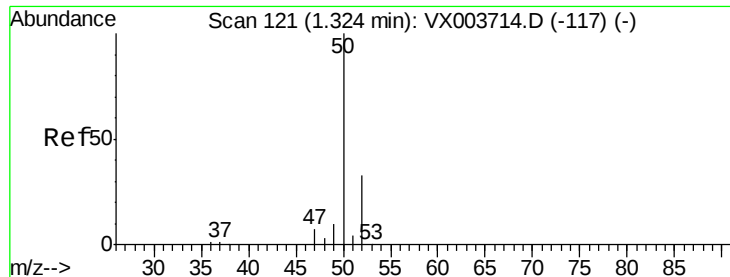
87 32.1 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.02 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

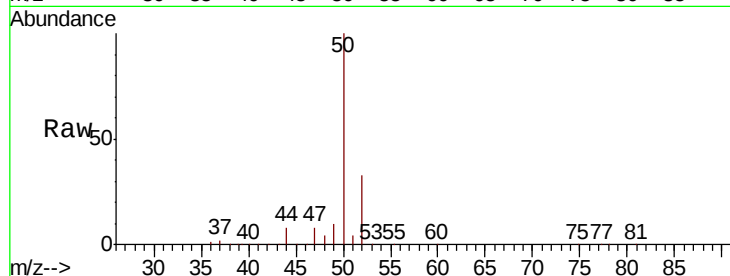
VX0807WBSD02

Tot Ion: 50 Resp: 98294

Ion Ratio Lower Upper

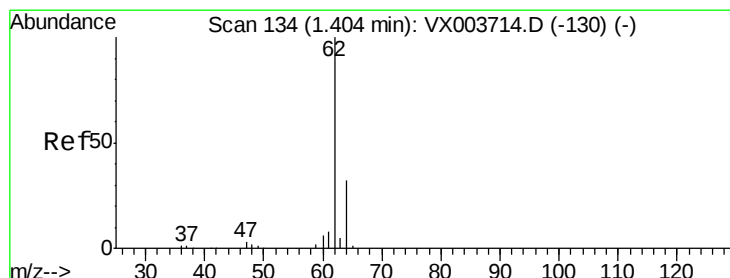
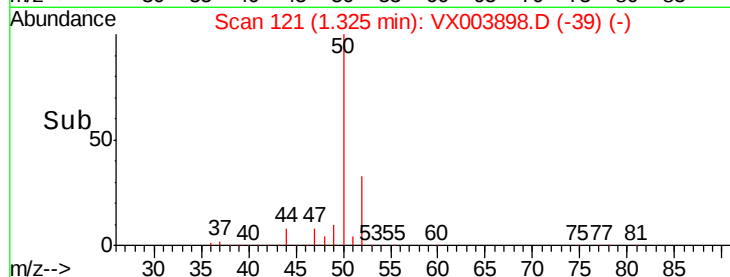
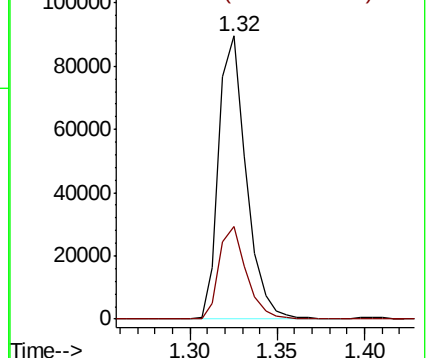
50 100

52 32.9 25.6 38.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 19.38 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003898.D

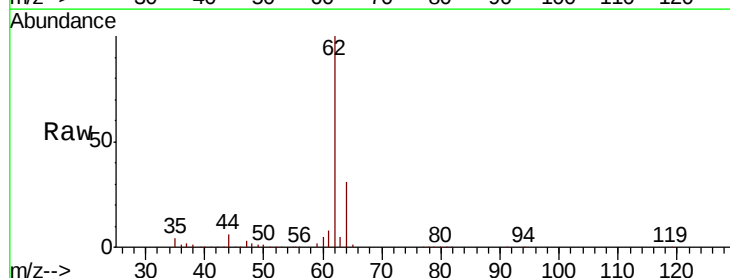
Acq: 08 Aug 2018 00:05

Tgt Ion: 62 Resp: 100052

Ion Ratio Lower Upper

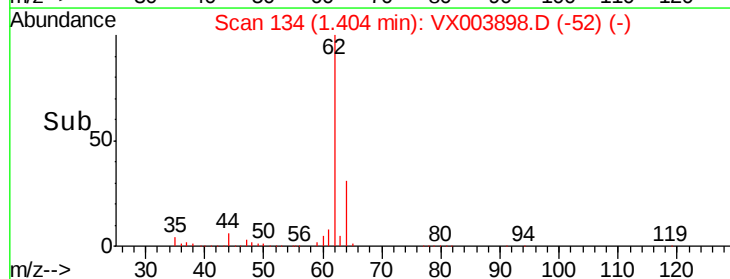
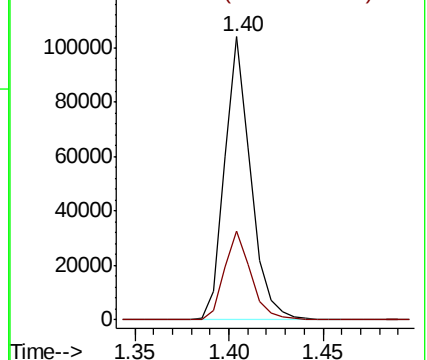
62 100

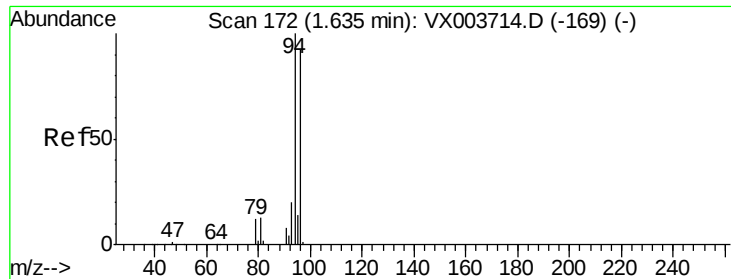
64 31.5 25.3 37.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 19.36 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

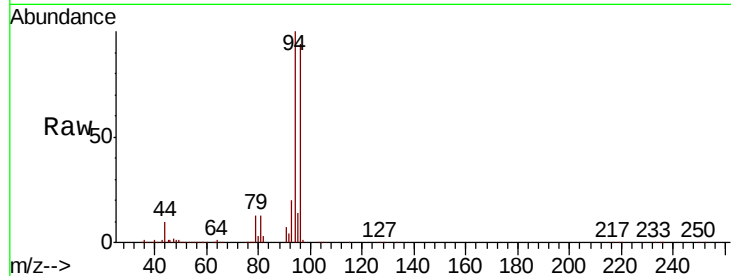
VX0807WBSD02

Tot Ion: 94 Resp: 59758

Ion Ratio Lower Upper

94 100

96 93.6 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

60000

50000

40000

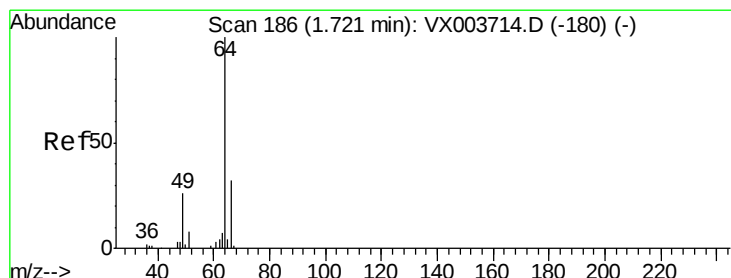
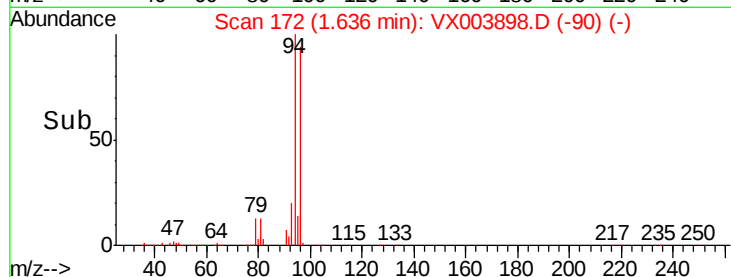
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 22.50 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003898.D

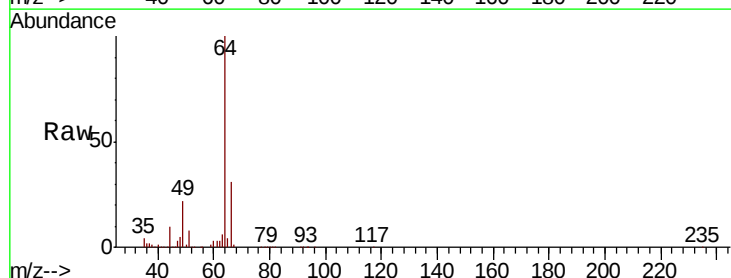
Acq: 08 Aug 2018 00:05

Tgt Ion: 64 Resp: 76047

Ion Ratio Lower Upper

64 100

66 30.8 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.72

60000

50000

40000

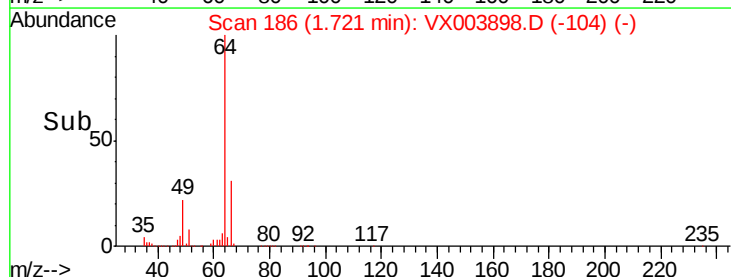
30000

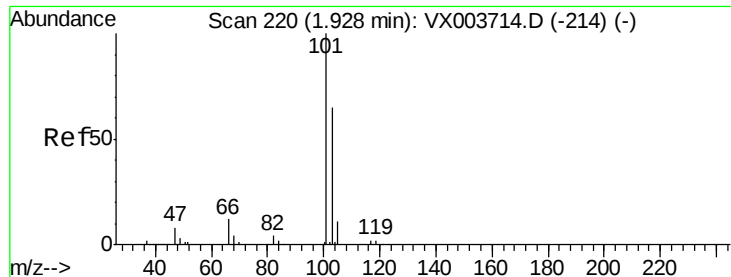
20000

10000

0

Time-->



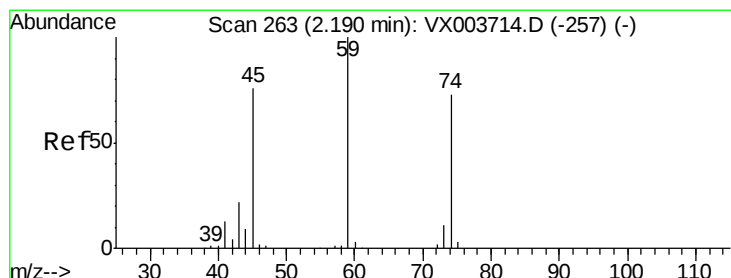
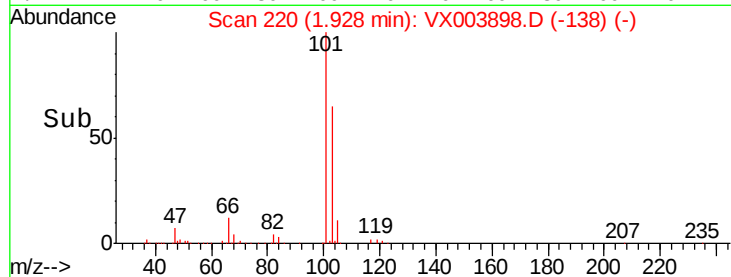
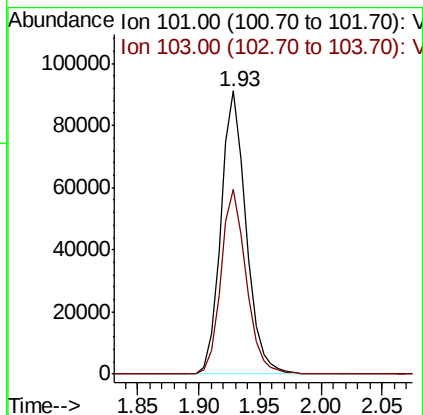
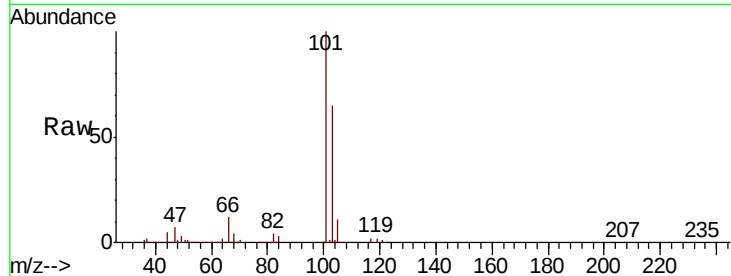


#7

Trichlorofluoromethane
 Concen: 18.76 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD02

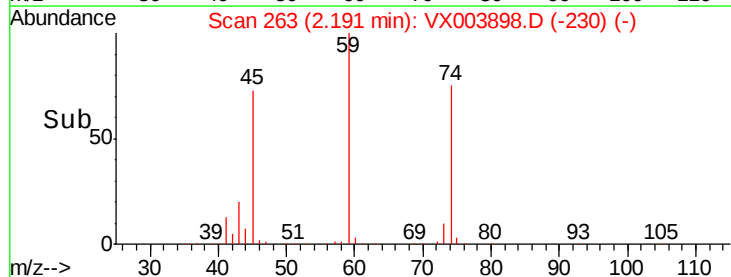
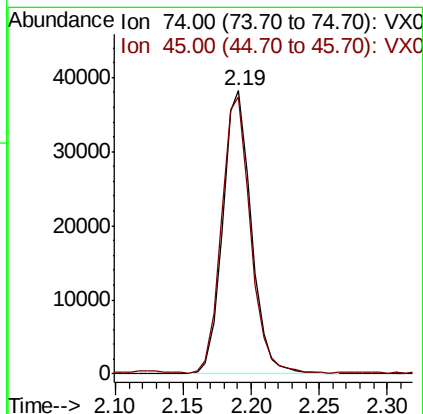
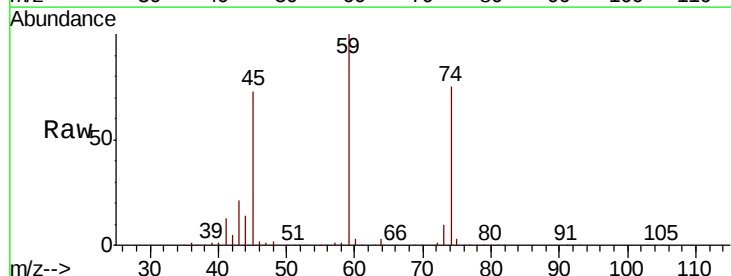
Tot Ion:101 Resp: 130305
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.5 77.3

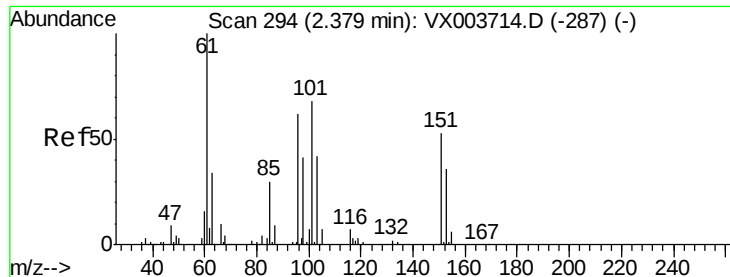


#8

Diethyl Ether
 Concen: 18.64 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

Tgt Ion: 74 Resp: 55482
 Ion Ratio Lower Upper
 74 100
 45 98.7 20.5 184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.86 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD02

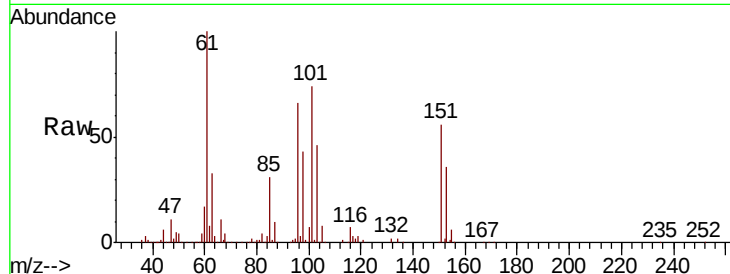
Tot Ion:101 Resp: 79402

Ion Ratio Lower Upper

101 100

85 42.2 0.0 87.0

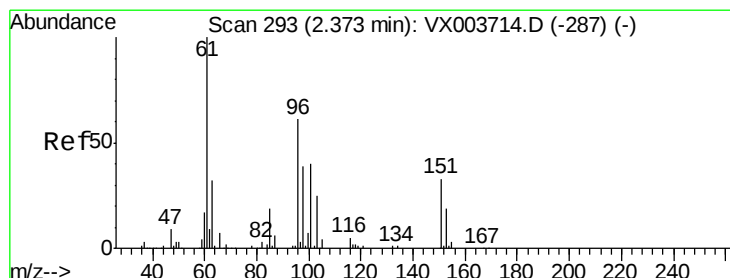
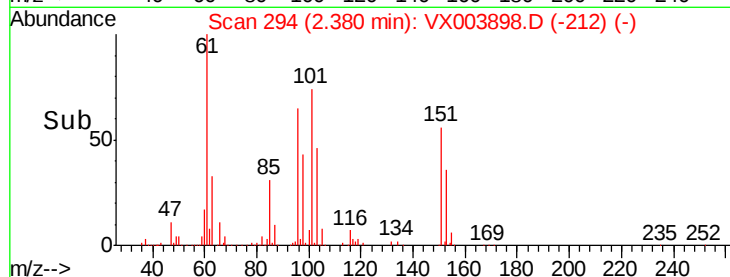
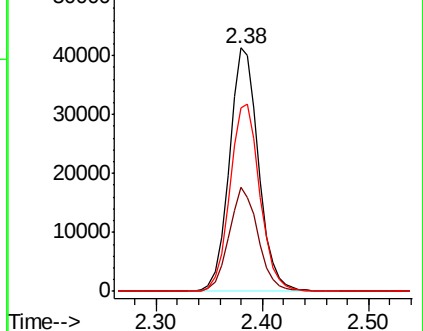
151 79.2 0.0 177.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.66 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

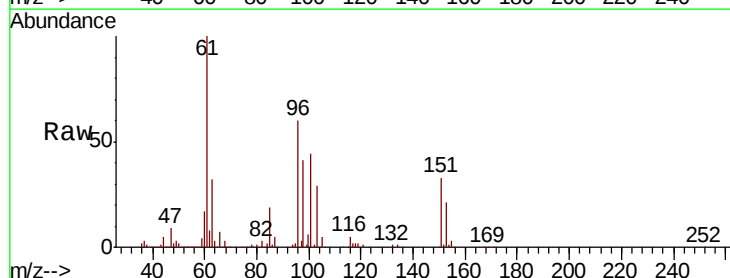
Tgt Ion: 96 Resp: 73879

Ion Ratio Lower Upper

96 100

61 165.5 137.5 206.3

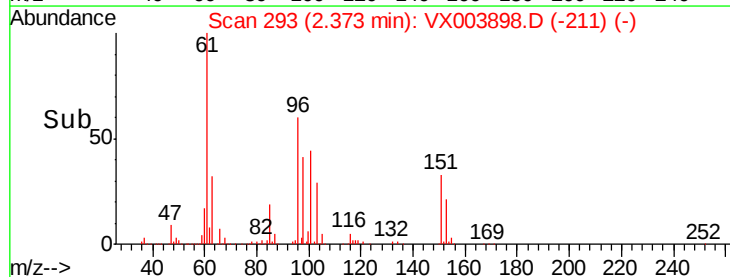
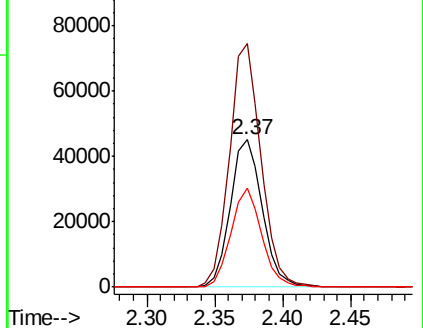
98 67.5 51.4 77.2

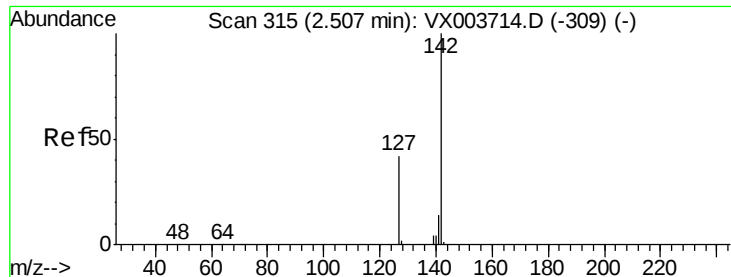


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

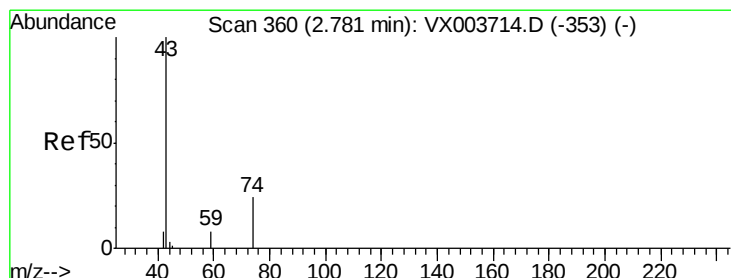
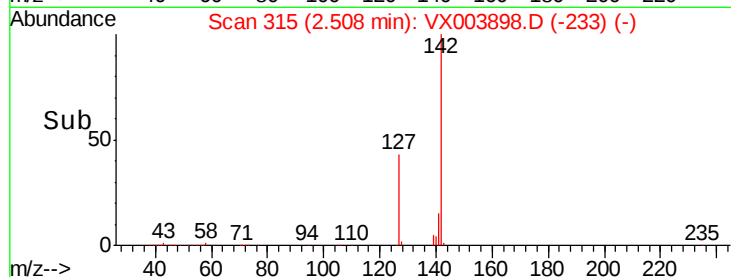
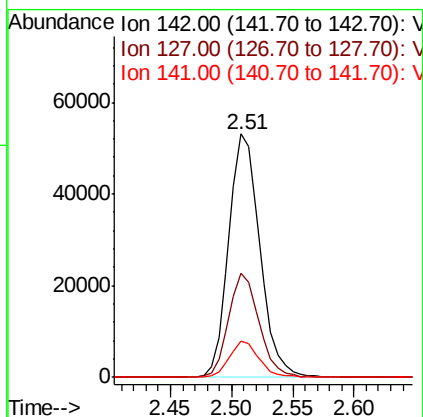
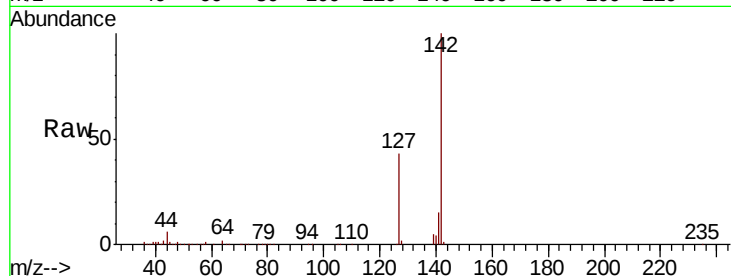




#11
Methvl Iodide
Concen: 17.05 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

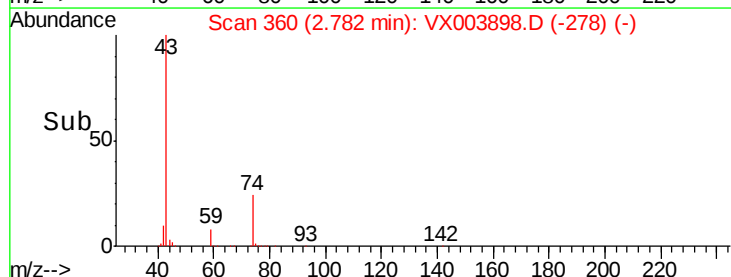
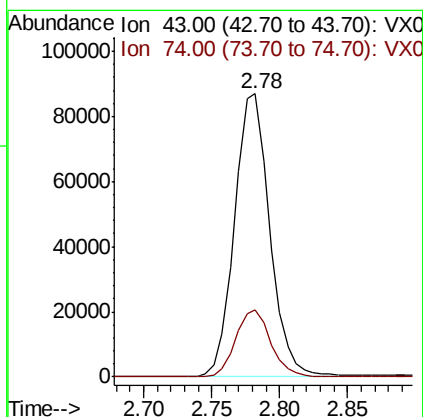
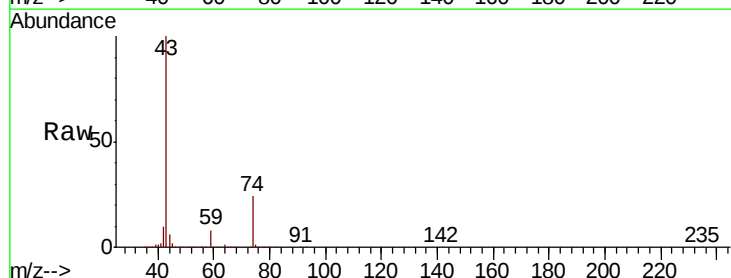
Instrument :
MSVOA_X
ClientSampled :
VX0807WBSD02

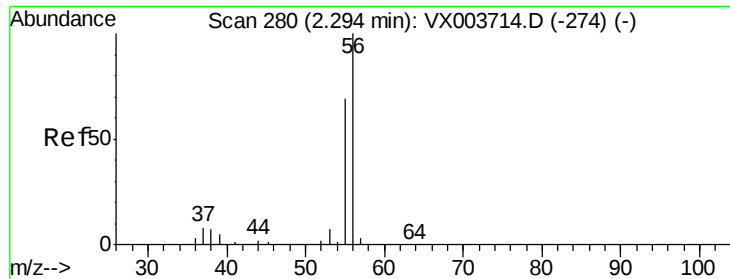
Tot Ion:142 Resp: 93580
Ion Ratio Lower Upper
142 100
127 42.6 23.2 69.6
141 14.8 7.4 22.2



#12
Methyl Acetate
Concen: 21.24 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

Tgt Ion: 43 Resp: 155622
Ion Ratio Lower Upper
43 100
74 23.8 16.4 24.6





#13

Acrolein

Concen: 127.67 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

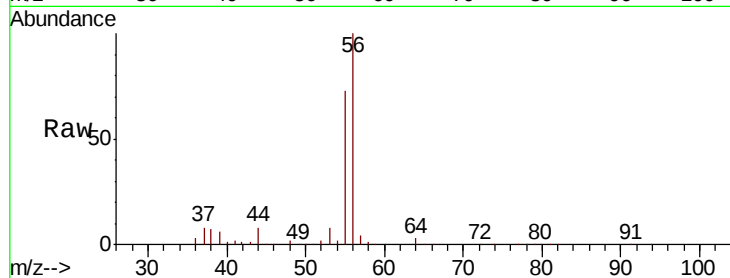
VX0807WBSD02

Tot Ion: 56 Resp: 72953

Ion Ratio Lower Upper

56 100

55 69.8 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

50000

40000

30000

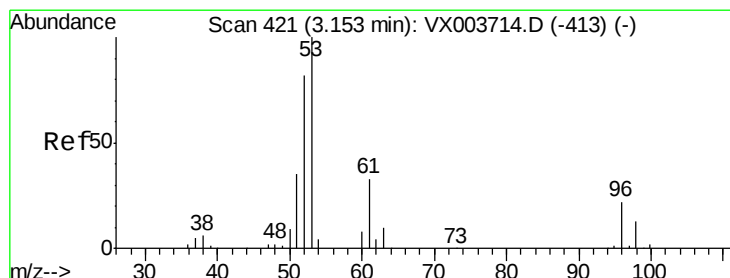
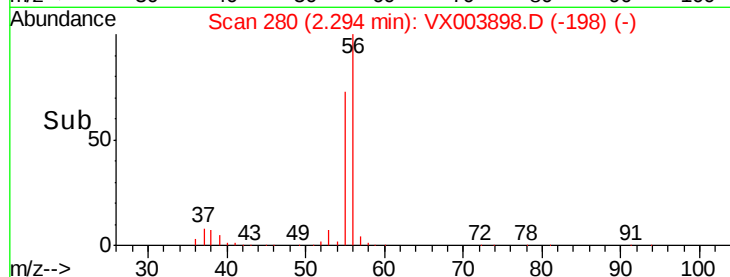
20000

10000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Acrylonitrile

Concen: 90.06 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

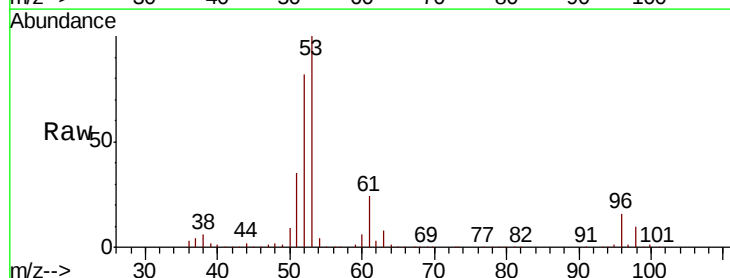
Tgt Ion: 53 Resp: 259984

Ion Ratio Lower Upper

53 100

52 82.1 41.5 124.6

51 35.3 17.9 53.8



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

150000

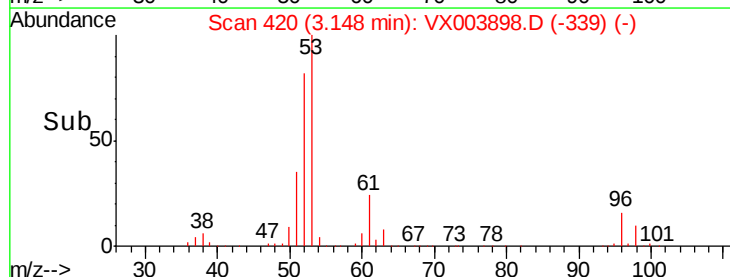
100000

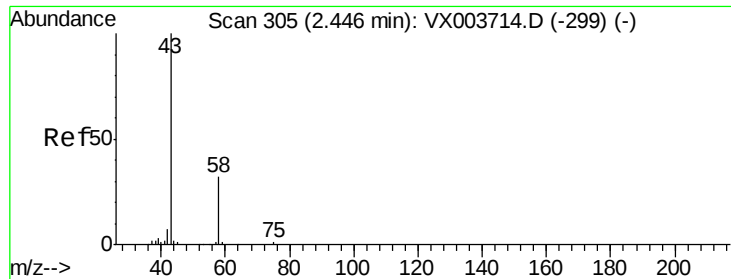
50000

0

Time-->

3.10 3.15 3.20 3.30





#15

Acetone

Concen: 94.17 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

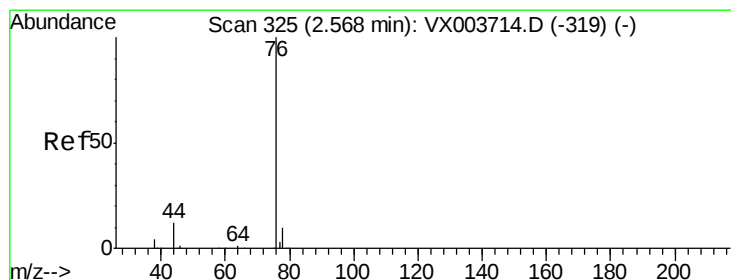
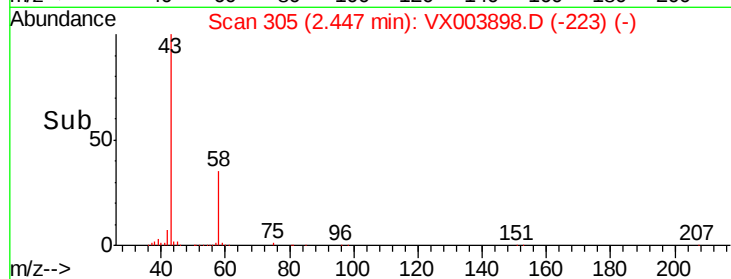
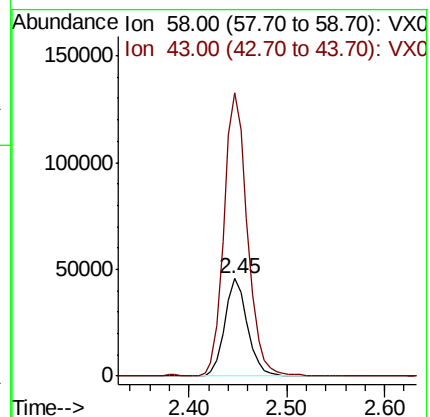
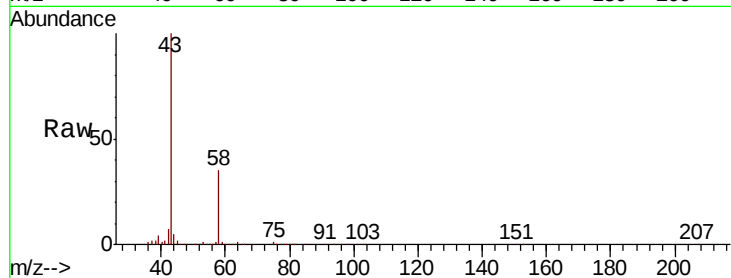
VX0807WBSD02

Tot Ion: 58 Resp: 73771

Ion Ratio Lower Upper

58 100

43 289.9 278.8 418.2



#16

Carbon Disulfide

Concen: 18.04 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003898.D

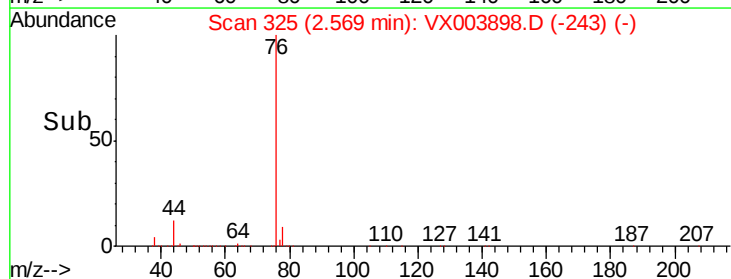
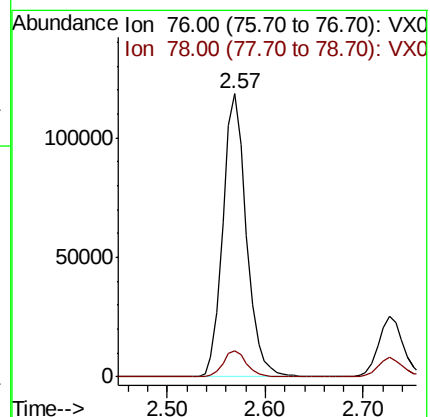
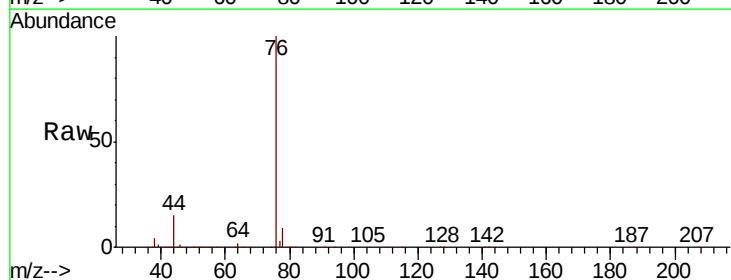
Acq: 08 Aug 2018 00:05

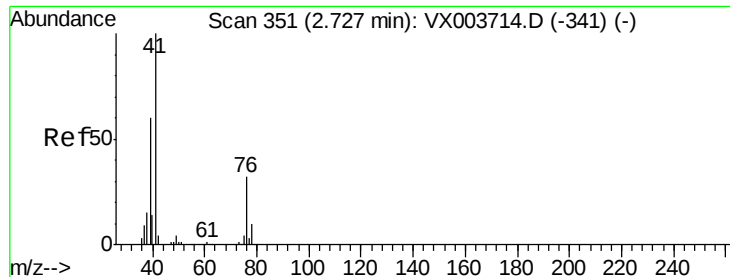
Tgt Ion: 76 Resp: 198411

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

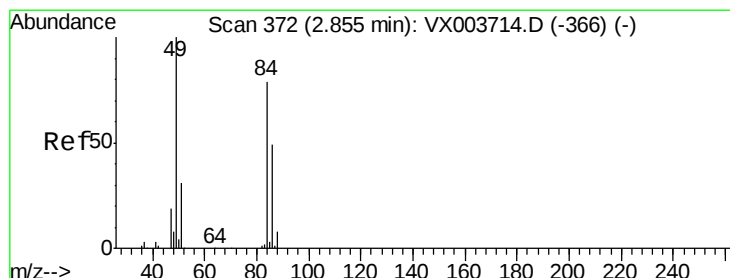
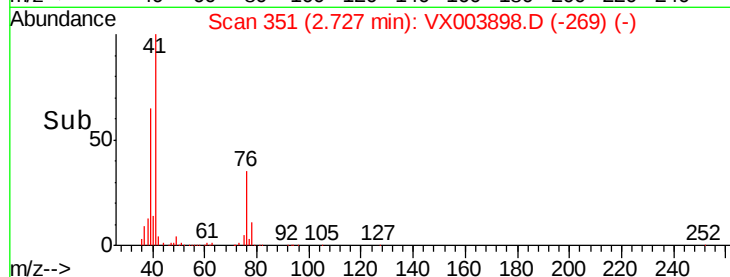
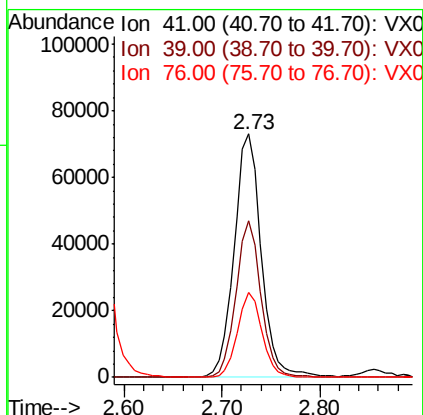
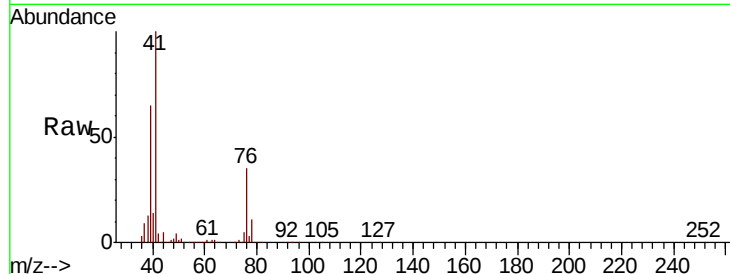




#17
Allvl chloride
Concen: 17.07 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

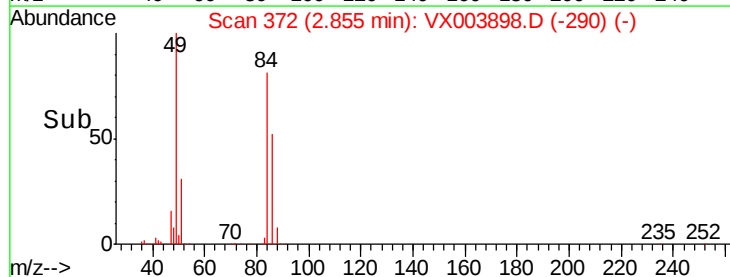
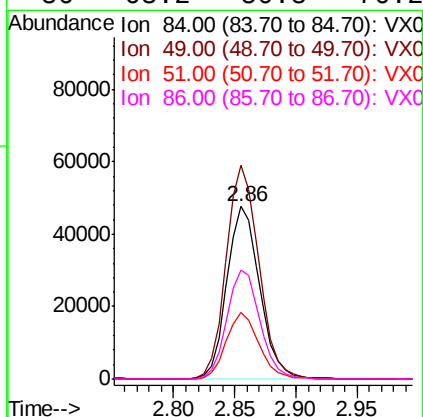
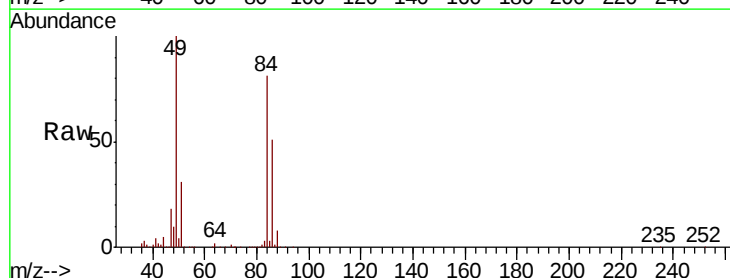
Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD02

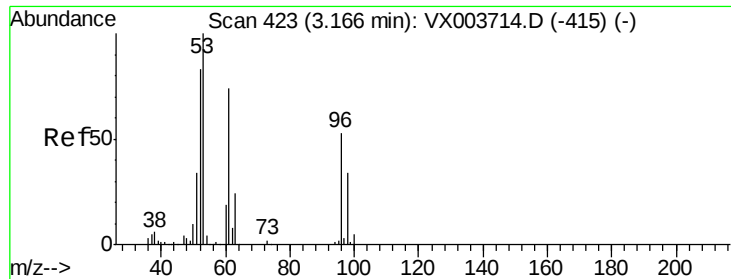
Tot Ion: 41 Resp: 139884
Ion Ratio Lower Upper
41 100
39 64.5 34.6 103.8
76 34.8 15.0 45.1



#18
Methylene Chloride
Concen: 18.81 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

Tgt Ion: 84 Resp: 88240
Ion Ratio Lower Upper
84 100
49 123.6 104.7 157.1
51 38.8 31.0 46.4
86 63.2 50.8 76.2

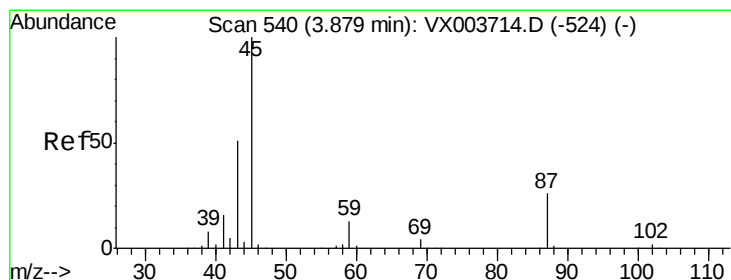
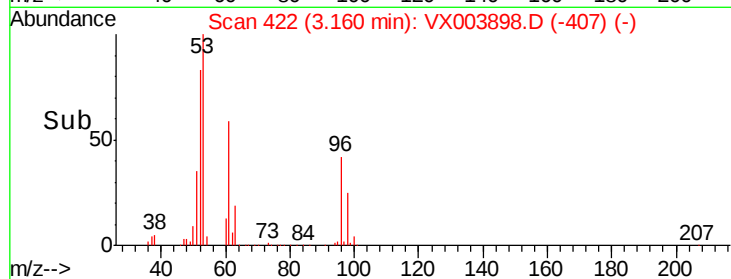
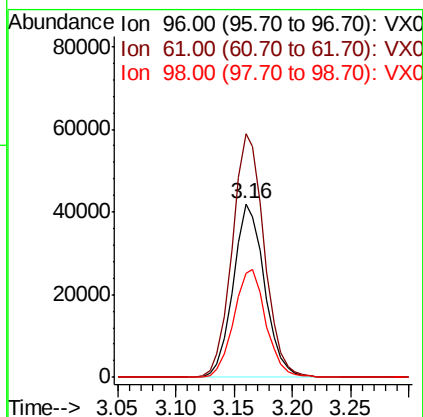
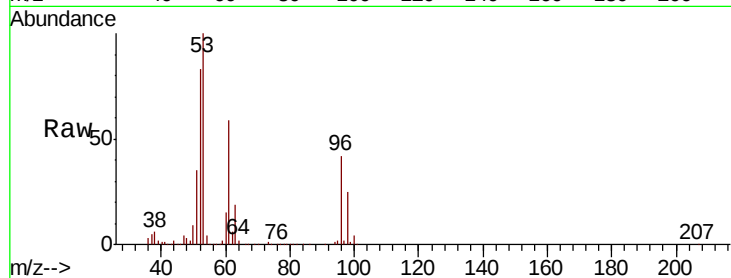




#19
trans-1,2-Dichloroethene
Concen: 18.46 ug/l
RT: 3.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

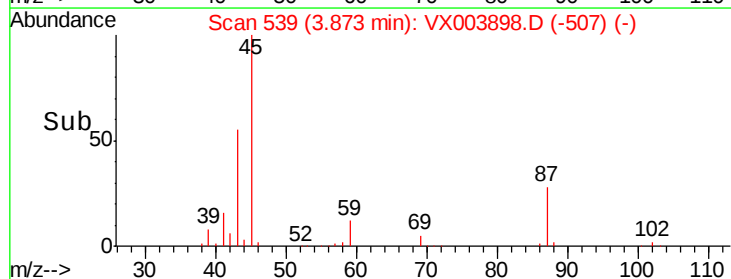
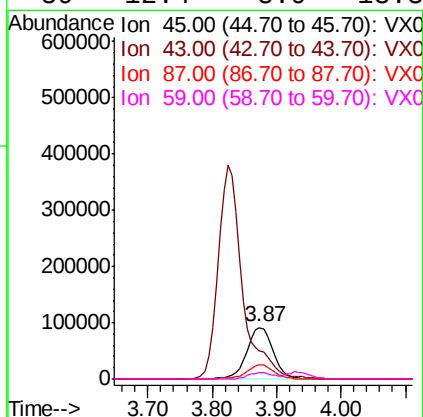
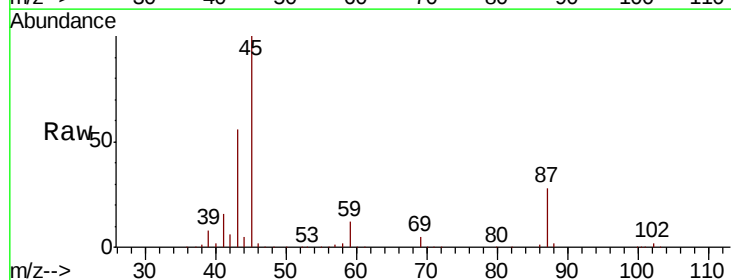
Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD02

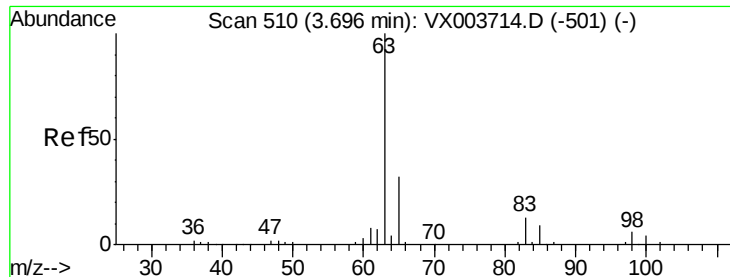
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	114.6	172.0
98	59.7	51.3	76.9



#20
Diisopropyl ether
Concen: 16.96 ug/l
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.3	45.6	68.4
87	28.1	20.7	31.1
59	12.4	8.9	13.3





#21

1,1-Dichloroethane

Concen: 18.56 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD02

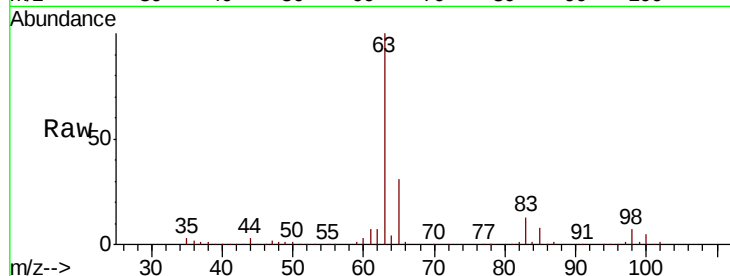
Tot Ion: 63 Resp: 158140

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.3

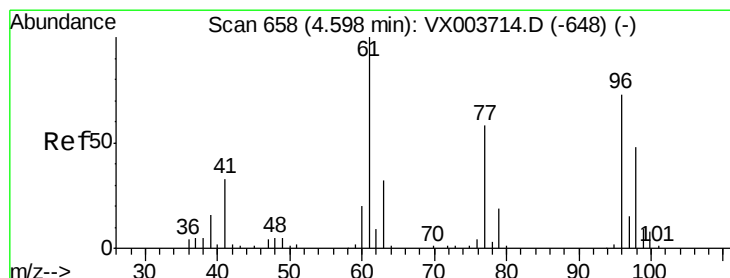
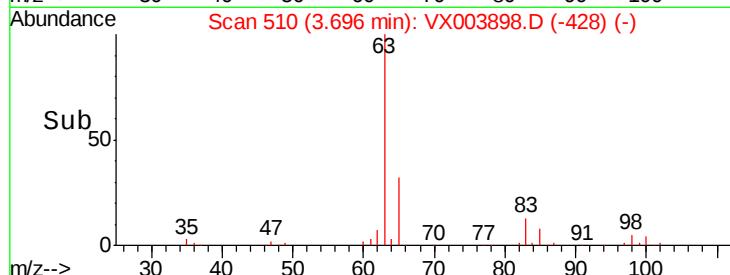
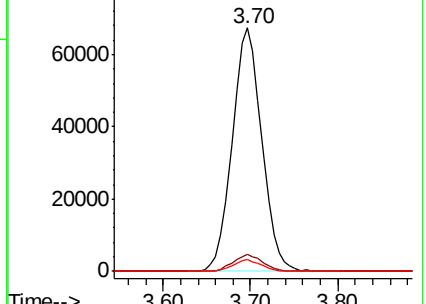
100 4.7 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 20.66 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

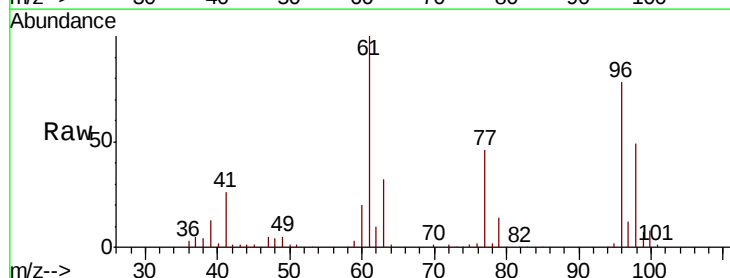
Tgt Ion: 96 Resp: 89311

Ion Ratio Lower Upper

96 100

61 139.0 160.2 240.2#

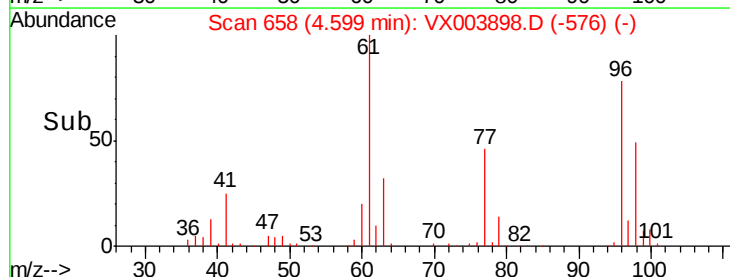
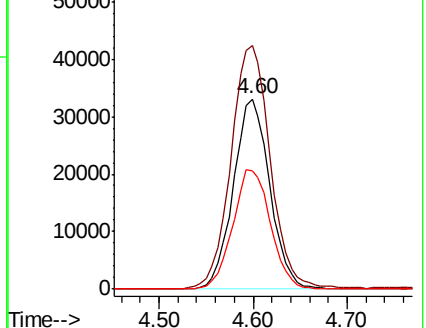
98 65.0 54.1 81.1

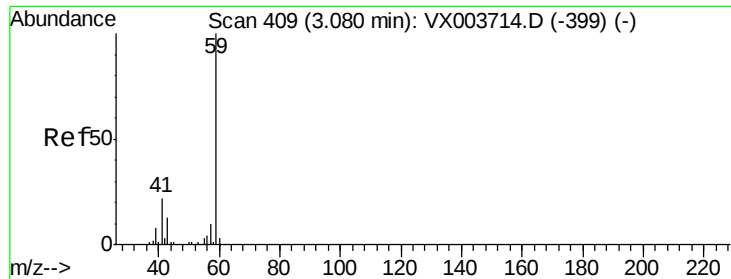


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

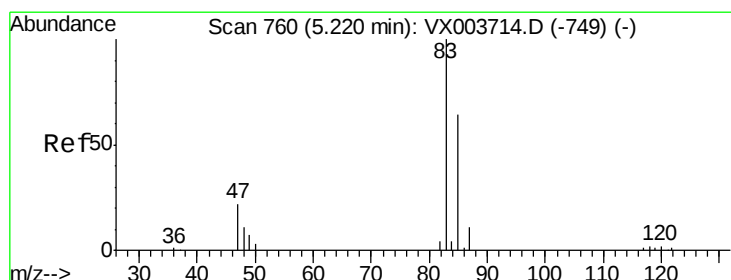
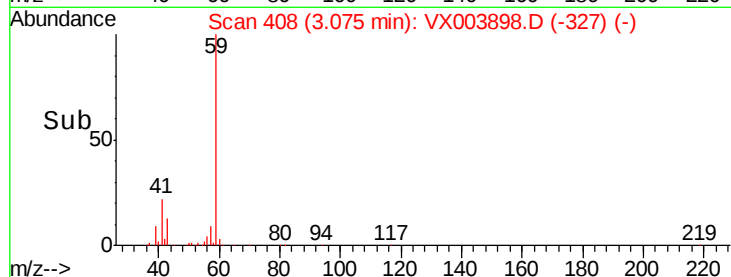
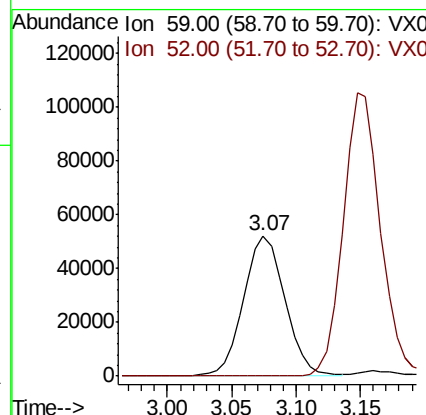
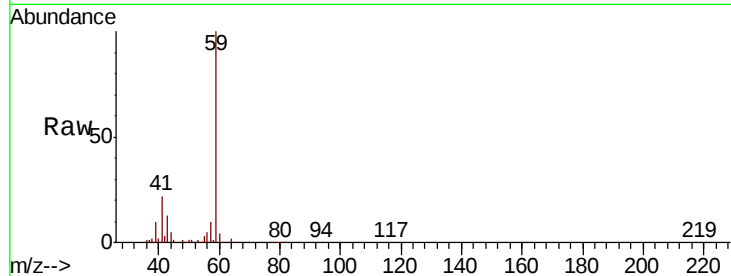




#23
tert-Butyl Alcohol
Concen: 94.74 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

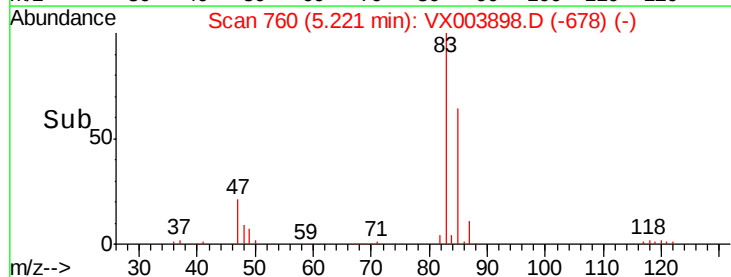
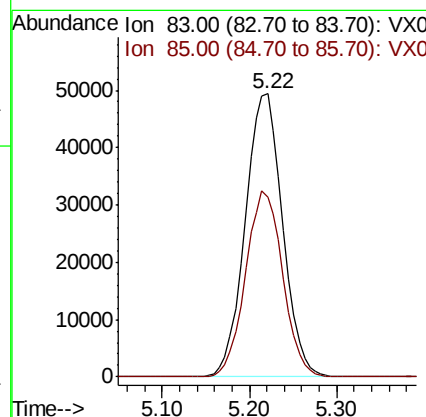
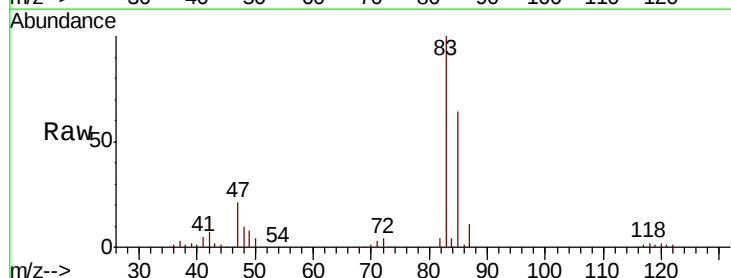
Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD02

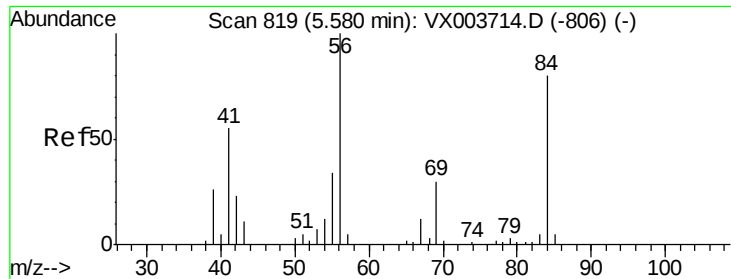
Tot Ion: 59 Resp: 114878
Ion Ratio Lower Upper
59 100
52 0.3 0.2 0.2#



#25
Chloroform
Concen: 19.84 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

Tgt Ion: 83 Resp: 146371
Ion Ratio Lower Upper
83 100
85 63.5 51.9 77.9

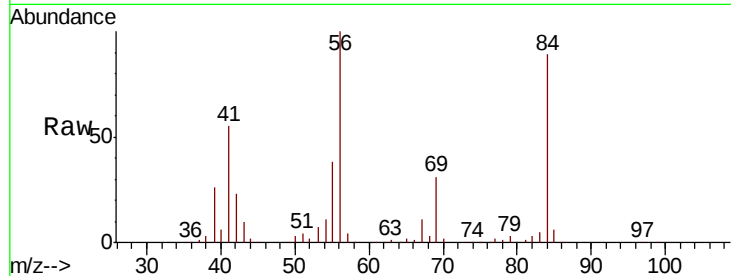




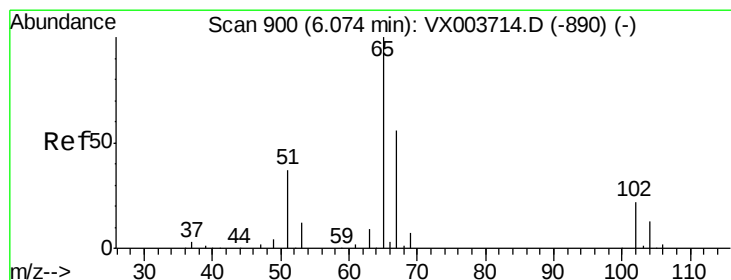
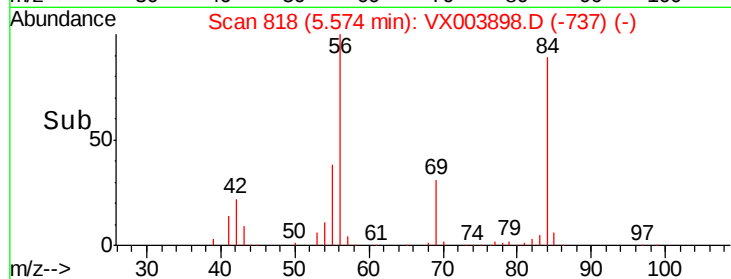
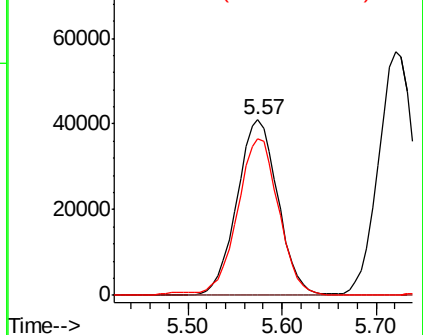
#26
Cyclohexane
Concen: 19.52 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD02

Tot Ion: 56 Resp: 124956
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 89.9 64.9 97.3

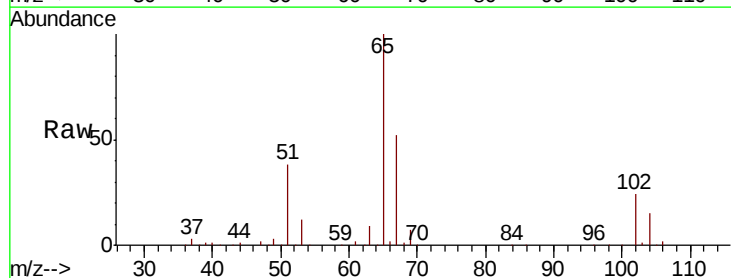


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 89.00 (88.70 to 89.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

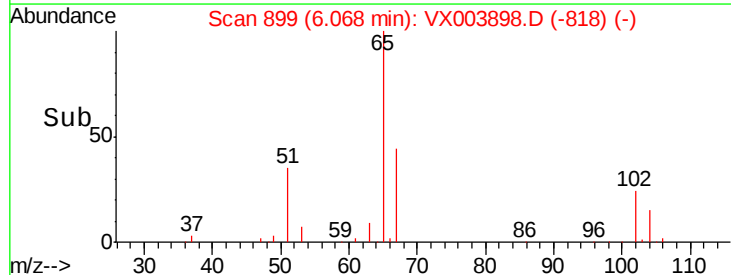
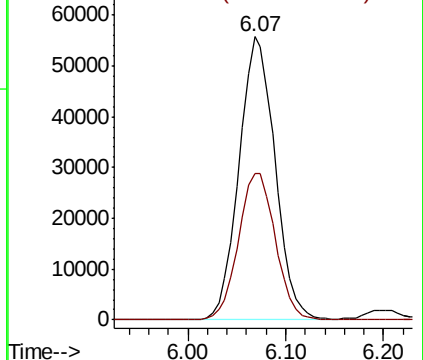


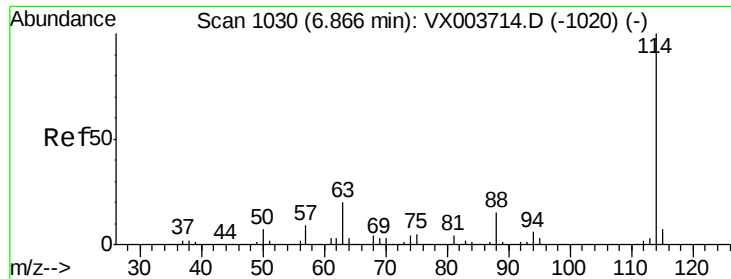
#27
1,2-Dichloroethane-d4
Concen: 28.12 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.01 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

Tgt Ion: 65 Resp: 142570
Ion Ratio Lower Upper
65 100
67 53.0 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0
Ion 67.00 (66.70 to 67.70): VX0

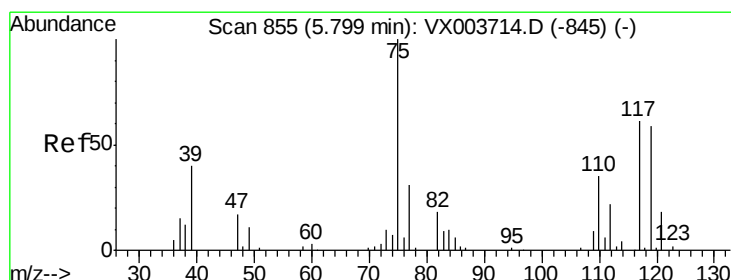
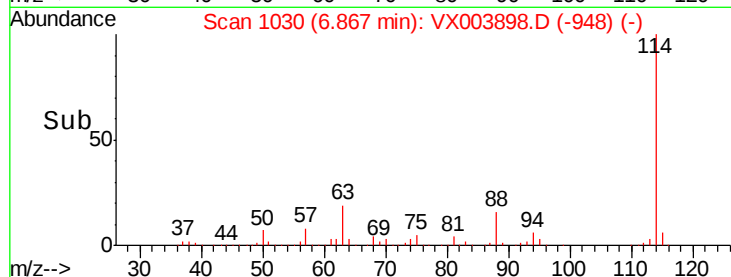
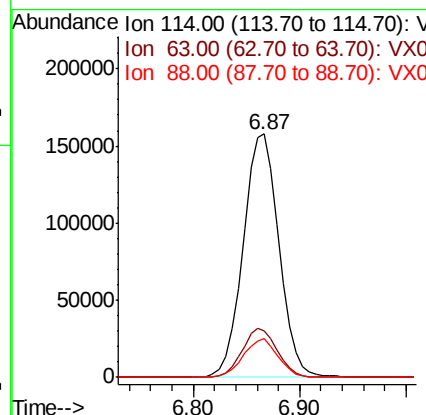
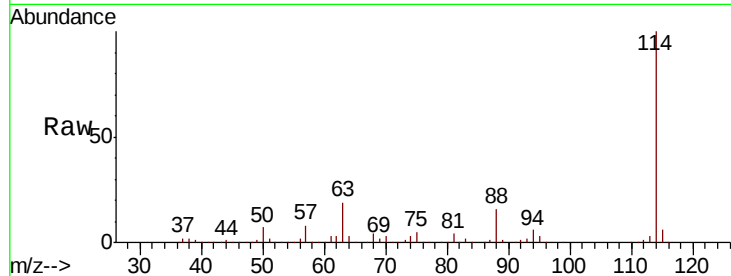




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

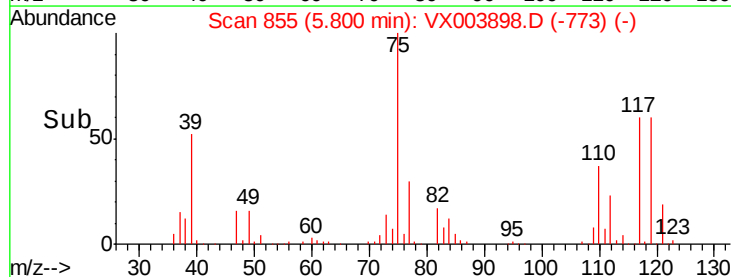
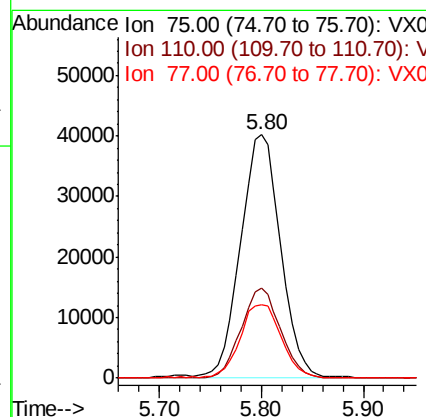
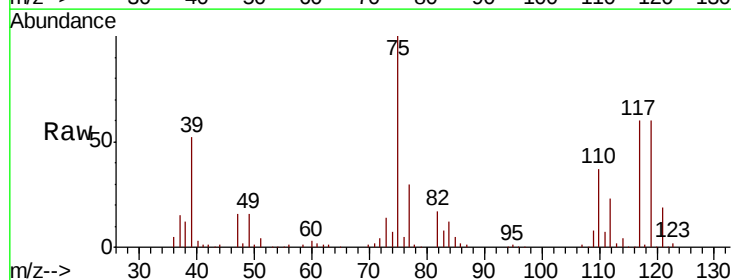
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD02

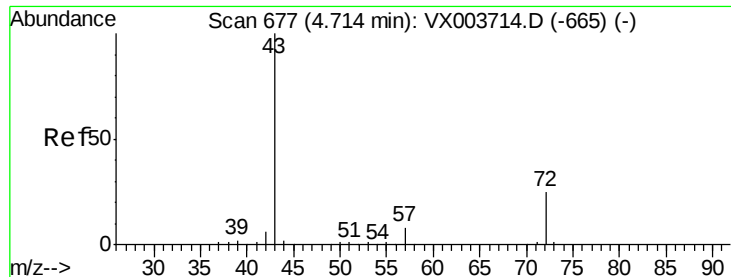
Tot Ion:114 Resp: 371844
 Ion Ratio Lower Upper
 114 100
 63 19.8 17.1 25.7
 88 15.4 12.6 19.0



#29
 1,1-Dichloropropene
 Concen: 19.97 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

Tgt Ion: 75 Resp: 109648
 Ion Ratio Lower Upper
 75 100
 110 36.2 0.0 71.4
 77 30.6 0.0 60.6

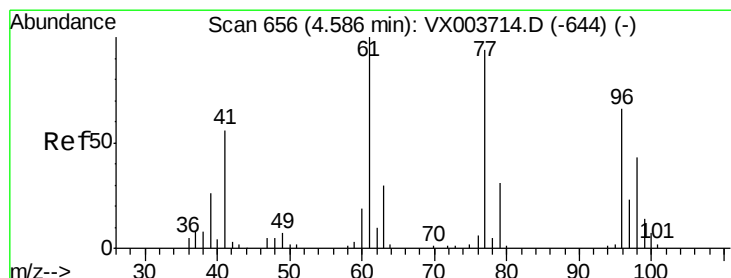
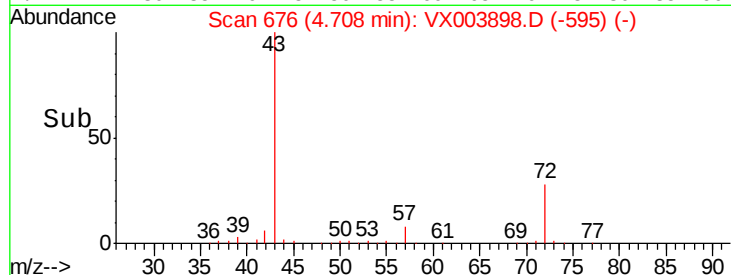
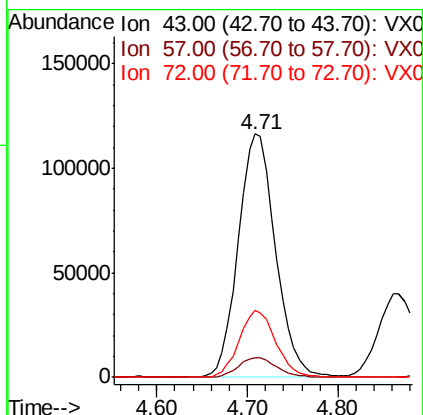
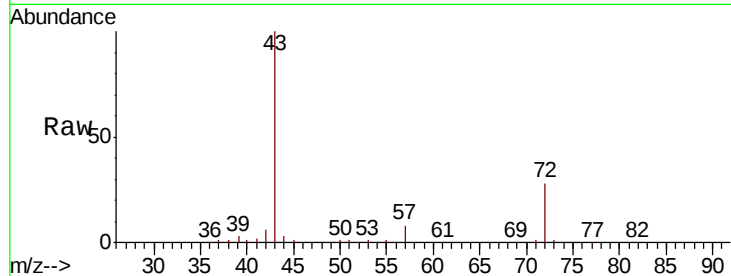




#30
2-Butanone
Concen: 94.26 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

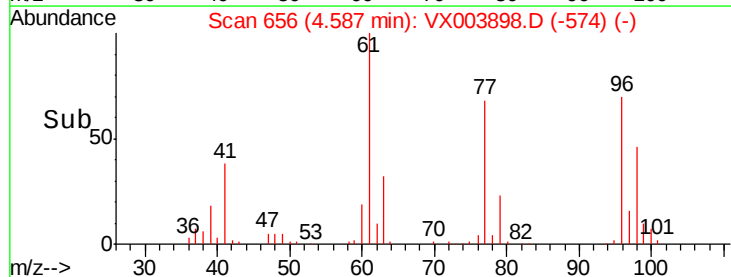
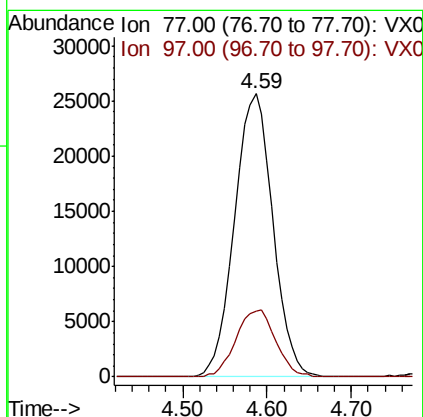
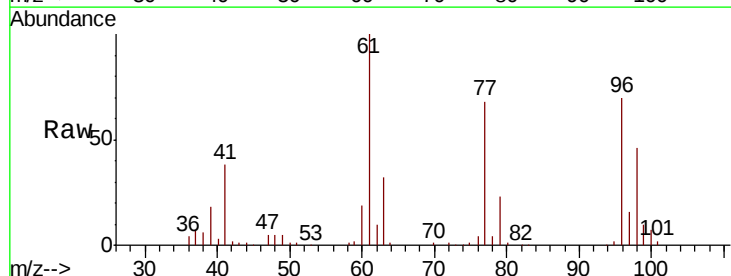
Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD02

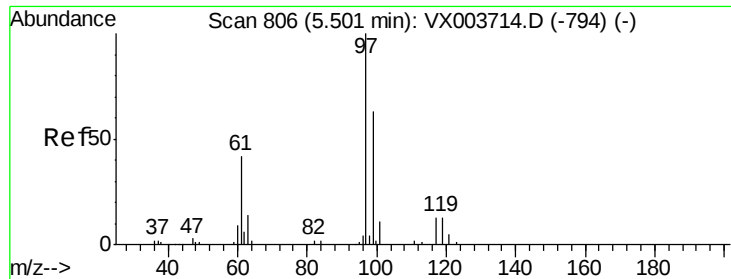
Tot Ion: 43 Resp: 330518
Ion Ratio Lower Upper
43 100
57 8.3 6.1 9.1
72 27.1 18.1 27.1



#31
2,2-Dichloropropane
Concen: 14.87 ug/l
RT: 4.59 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

Tgt Ion: 77 Resp: 79116
Ion Ratio Lower Upper
77 100
97 24.5 18.7 28.1





#32

1,1,1-Trichloroethane

Concen: 19.79 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD02

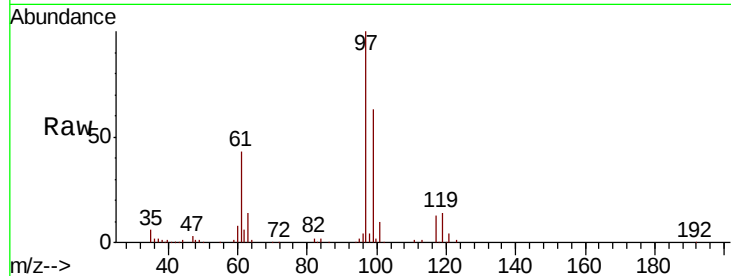
Tot Ion: 97 Resp: 124309

Ion Ratio Lower Upper

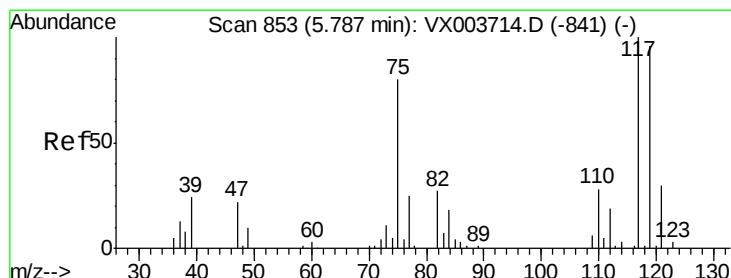
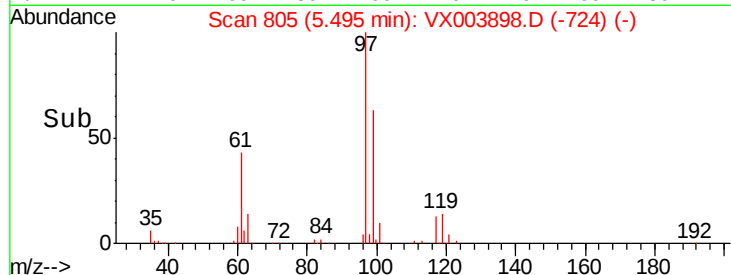
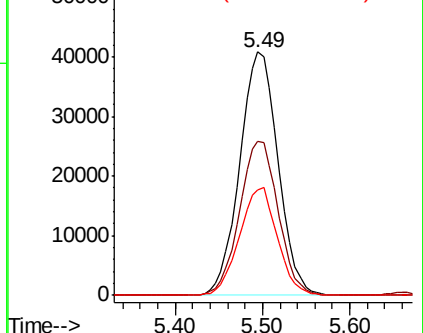
97 100

99 63.7 51.7 77.5

61 43.9 36.4 54.6



Abundance Ion 97.00 (96.70 to 97.70): VX0
Ion 99.00 (98.70 to 99.70): VX0
Ion 61.00 (60.70 to 61.70): VX0



#33

Carbon Tetrachloride

Concen: 19.30 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

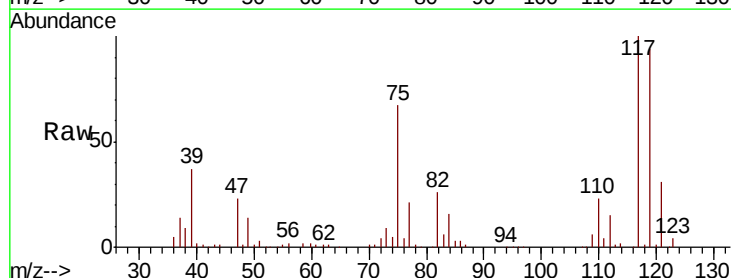
Tgt Ion: 117 Resp: 105377

Ion Ratio Lower Upper

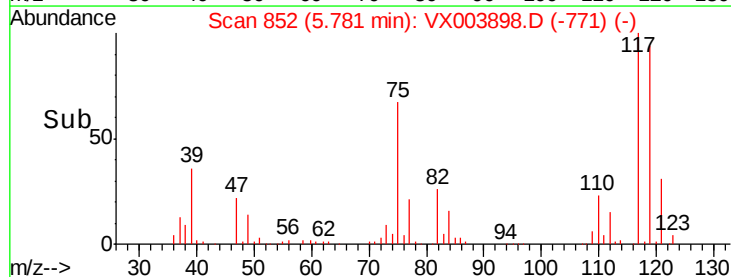
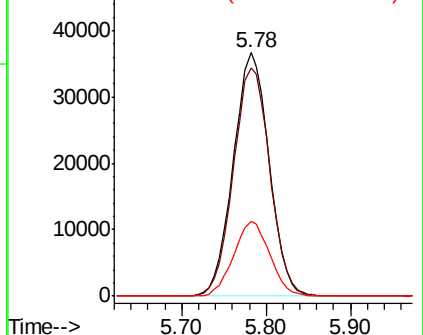
117 100

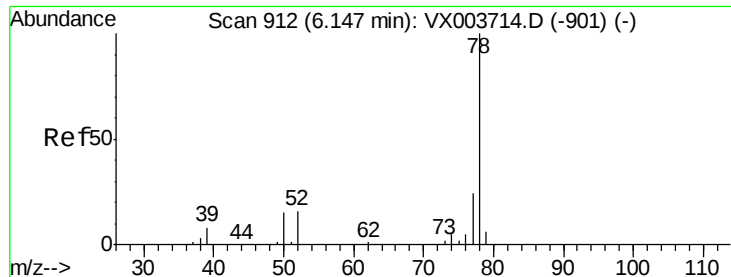
119 93.6 73.3 109.9

121 30.8 23.6 35.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





#34

Benzene

Concen: 20.20 ug/l

RT: 6.14 min Scan# 911

Delta R.T. -0.01 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD02

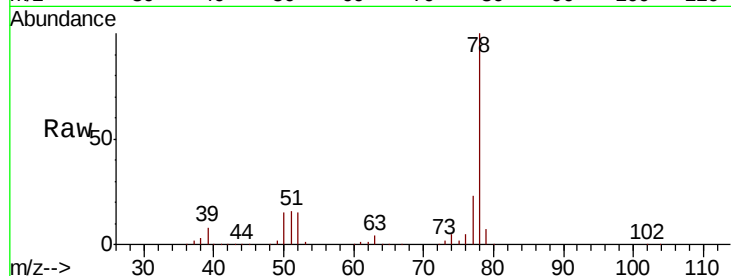
Tot Ion: 78 Resp: 340832

Ion Ratio Lower Upper

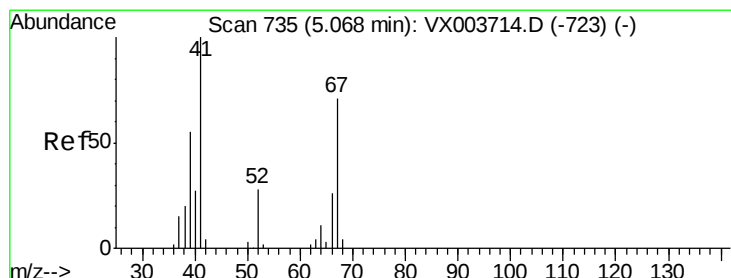
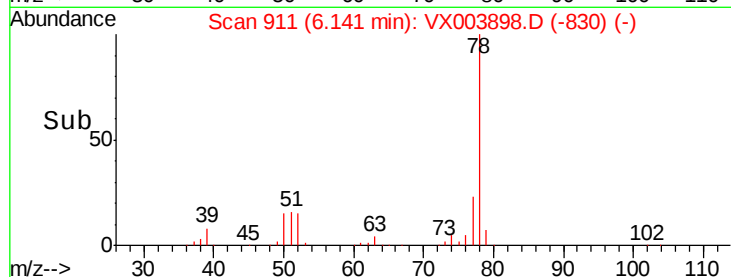
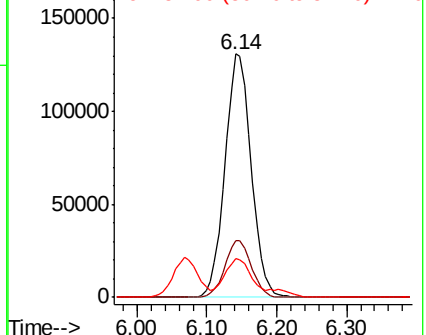
78 100

77 23.0 19.4 29.0

51 15.6 13.8 20.6



Abundance Ion 78.10 (77.80 to 78.80): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#35

Methacrylonitrile

Concen: 18.82 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Tgt Ion: 41 Resp: 68570

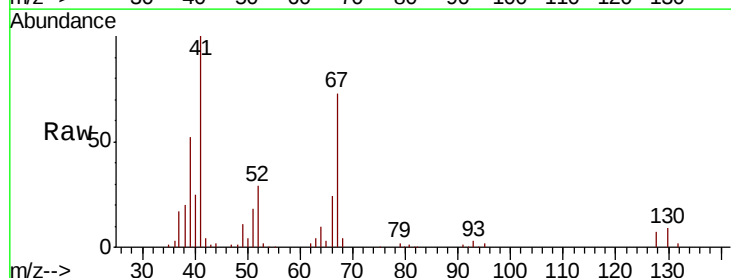
Ion Ratio Lower Upper

41 100

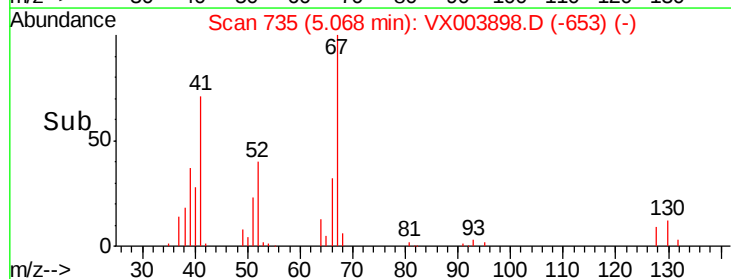
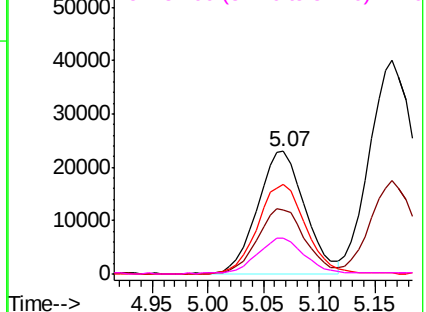
39 51.5 28.8 86.5

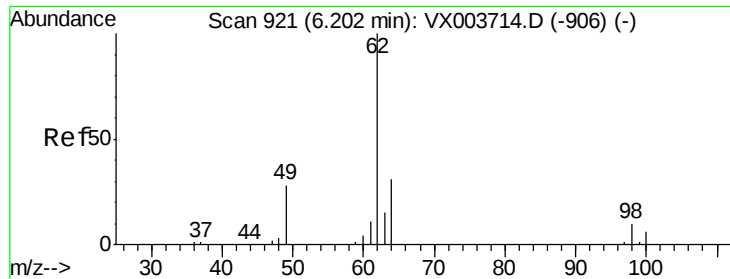
67 72.9 30.4 91.2

52 28.8 13.0 39.0



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





#36

1,2-Dichloroethane

Concen: 19.26 ug/l

RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

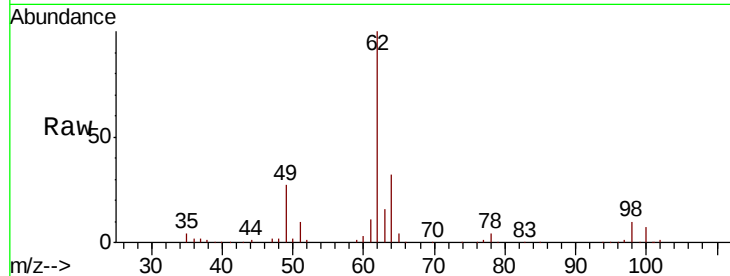
VX0807WBSD02

Tot Ion: 62 Resp: 116817

Ion Ratio Lower Upper

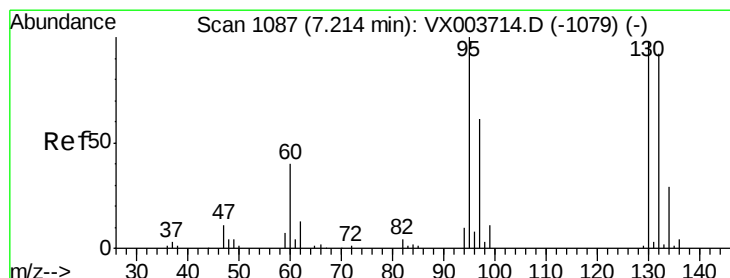
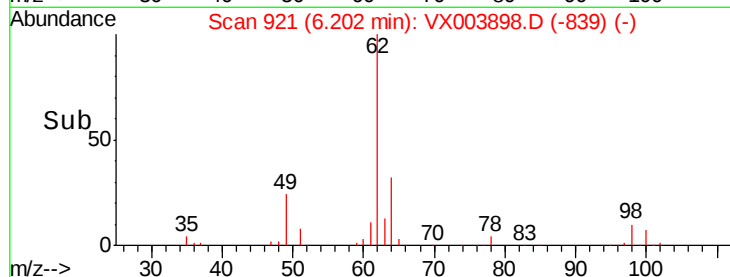
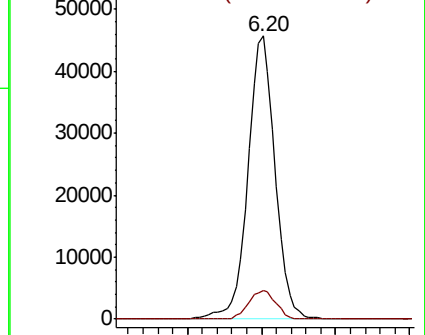
62 100

98 10.2 6.5 9.7#



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#37

Trichloroethene

Concen: 20.30 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003898.D

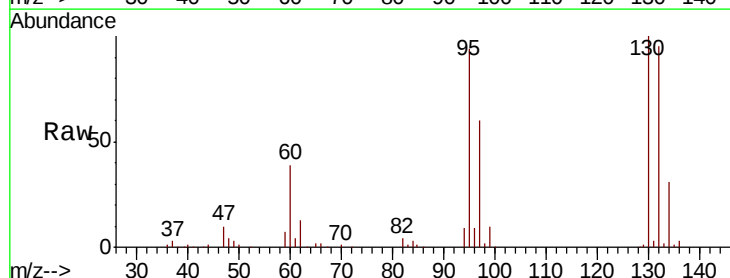
Acq: 08 Aug 2018 00:05

Tgt Ion:130 Resp: 89242

Ion Ratio Lower Upper

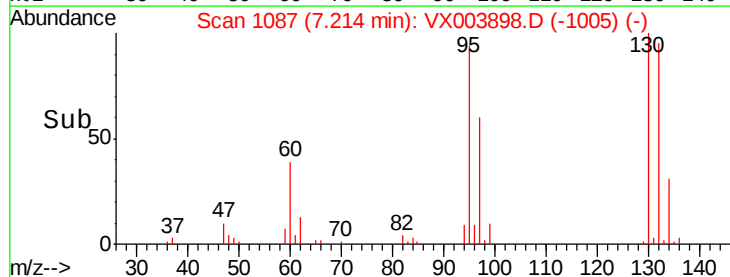
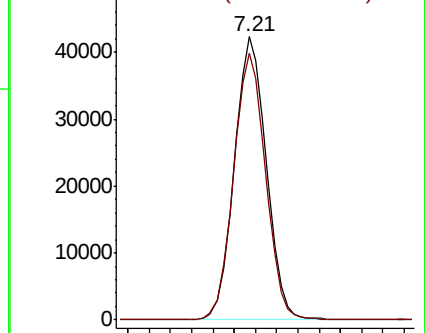
130 100

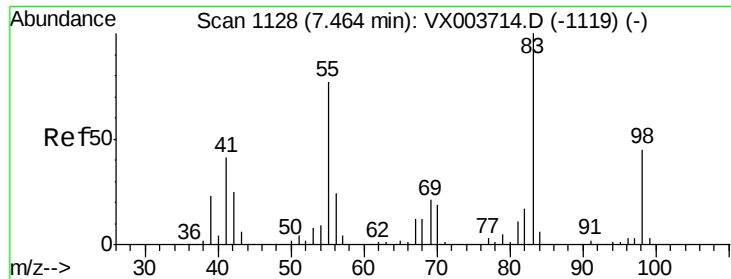
95 94.3 81.5 122.3



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

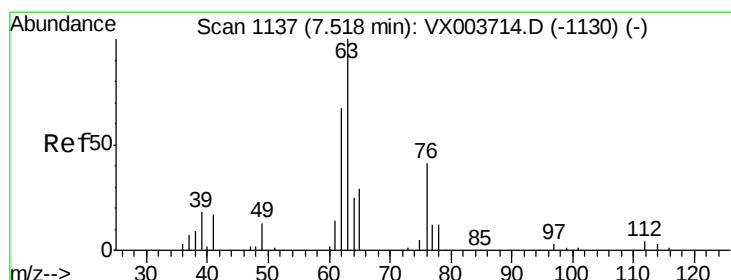
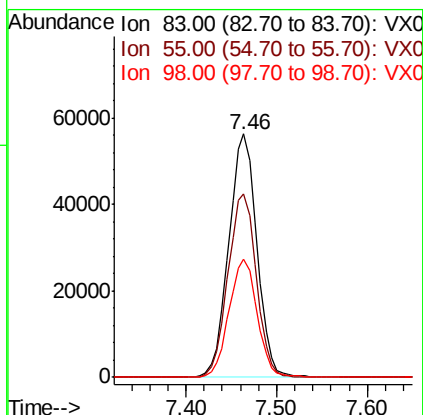
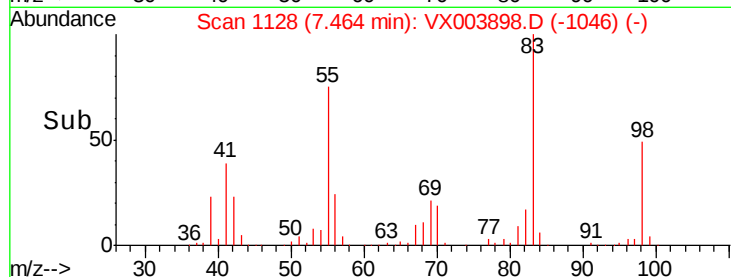
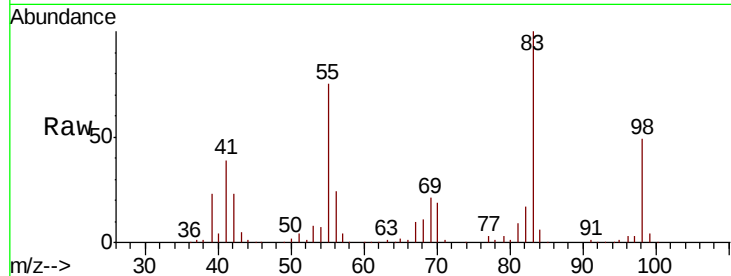




#38
Methylcyclohexane
Concen: 19.49 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

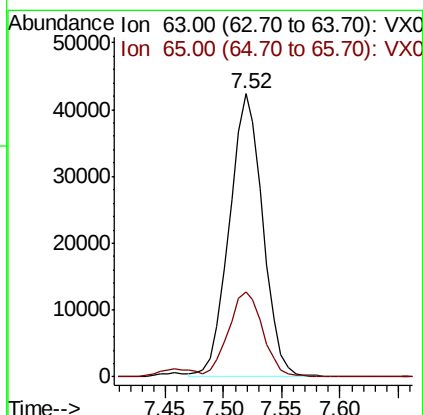
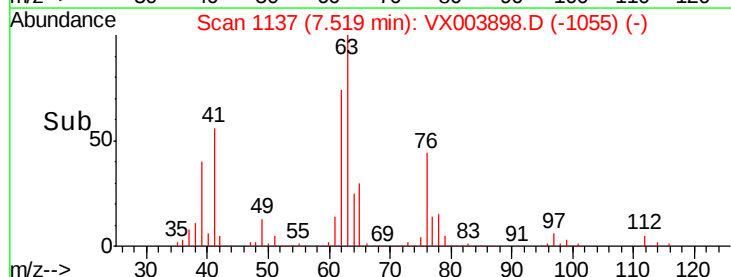
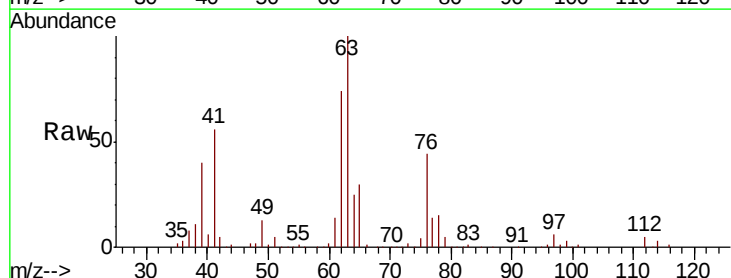
Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD02

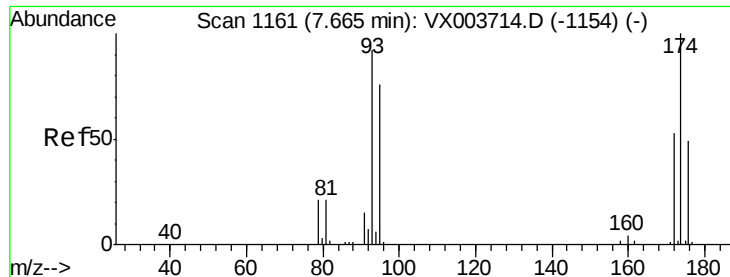
Tot Ion: 83 Resp: 121593
Ion Ratio Lower Upper
83 100
55 76.0 40.6 121.8
98 48.6 23.5 70.5



#39
1,2-Dichloropropane
Concen: 19.00 ug/l
RT: 7.52 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

Tgt Ion: 63 Resp: 84721
Ion Ratio Lower Upper
63 100
65 30.3 23.3 34.9

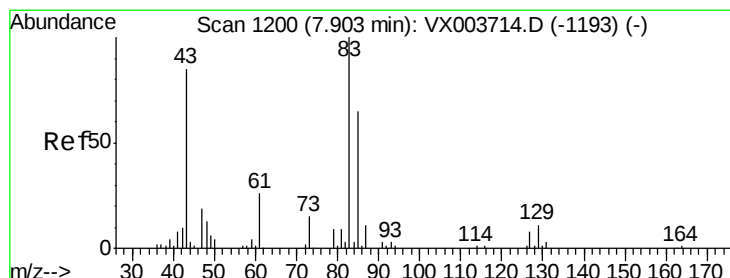
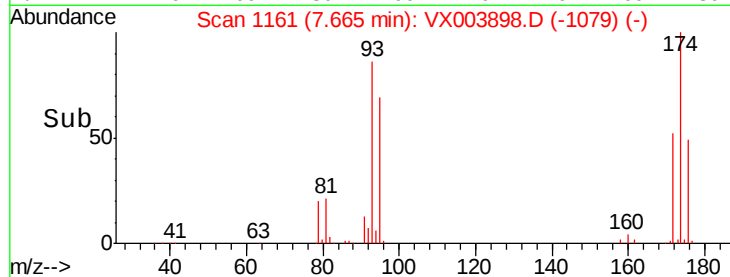
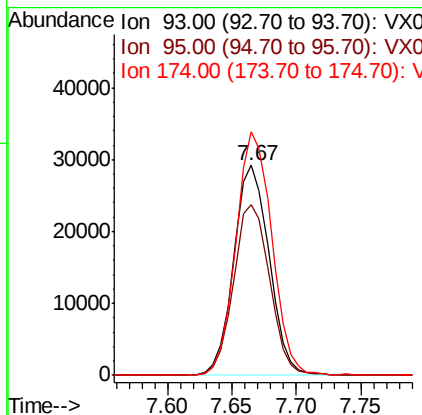
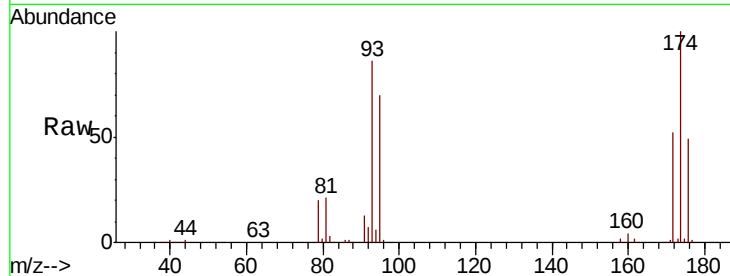




#40
 Dibromomethane
 Concen: 19.42 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

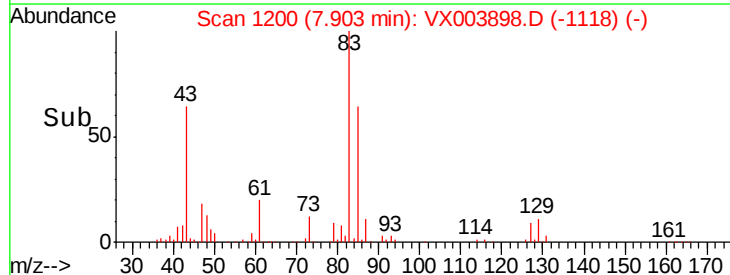
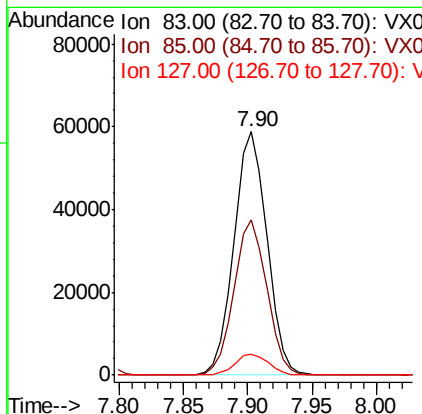
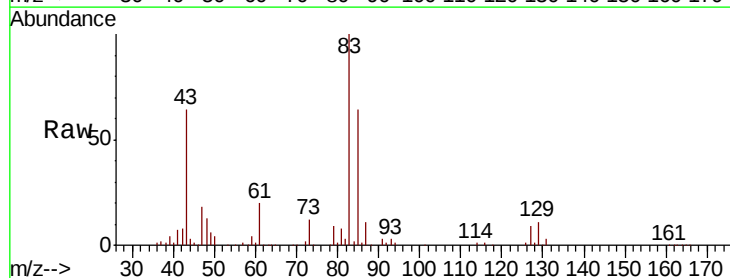
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD02

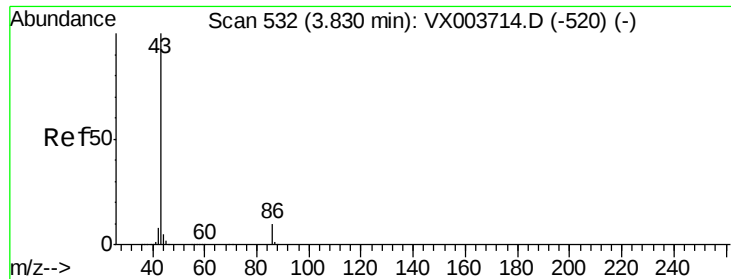
Tot Ion	93	Resp	56040
Ion	Ratio	Lower	Upper
93	100		
95	82.5	0.0	162.6
174	116.5	0.0	229.4



#41
 Bromodichloromethane
 Concen: 18.99 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

Tgt Ion	83	Resp	104681
Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.8	74.8
127	8.5	7.3	10.9





#42

Vinyl Acetate

Concen: 74.93 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

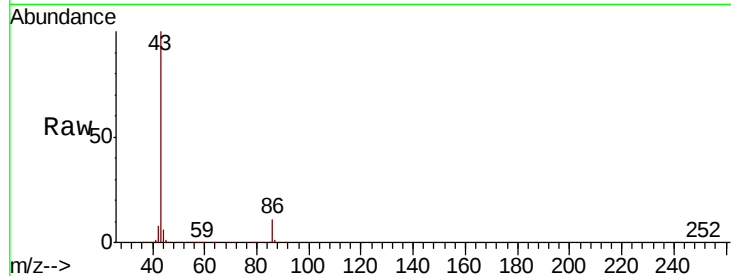
VX0807WBSD02

Tot Ion: 43 Resp: 1009634

Ion Ratio Lower Upper

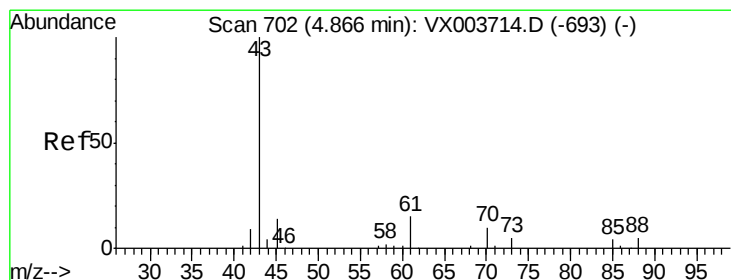
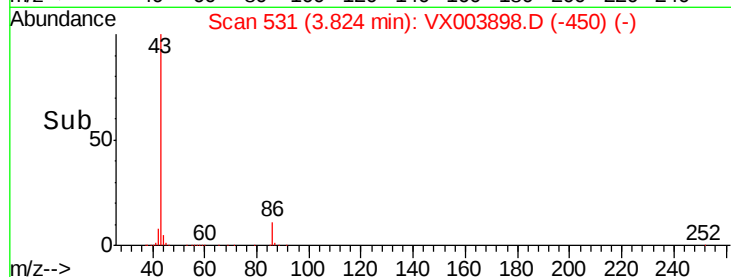
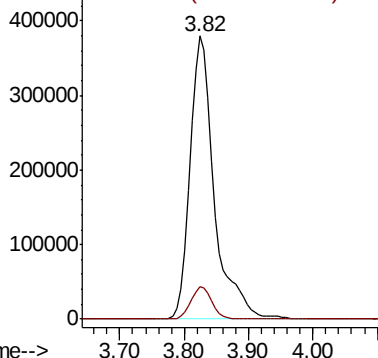
43 100

86 9.9 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#43

Ethyl Acetate

Concen: 18.14 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX003898.D

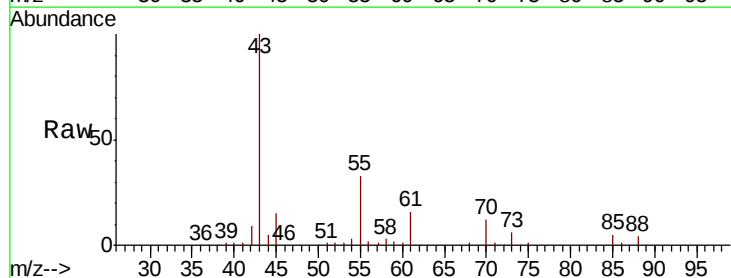
Acq: 08 Aug 2018 00:05

Tgt Ion: 43 Resp: 118828

Ion Ratio Lower Upper

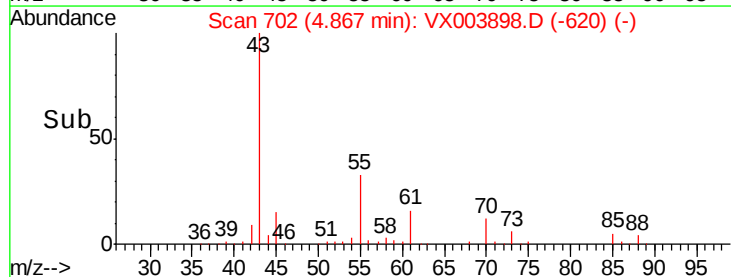
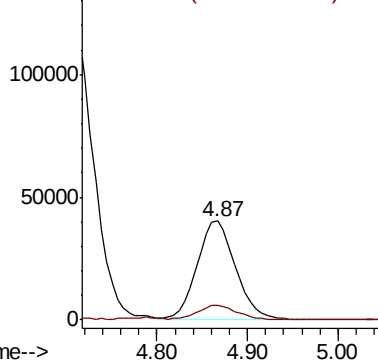
43 100

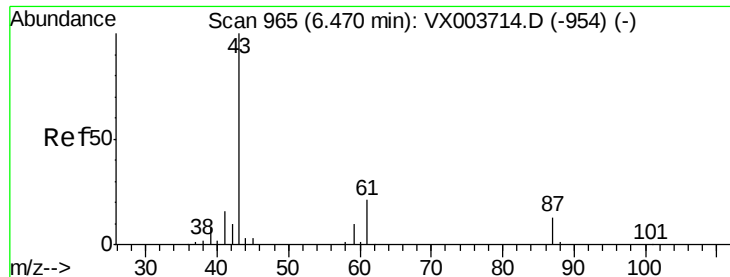
45 14.8 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



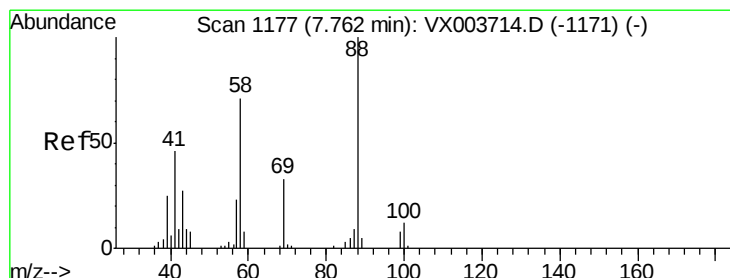
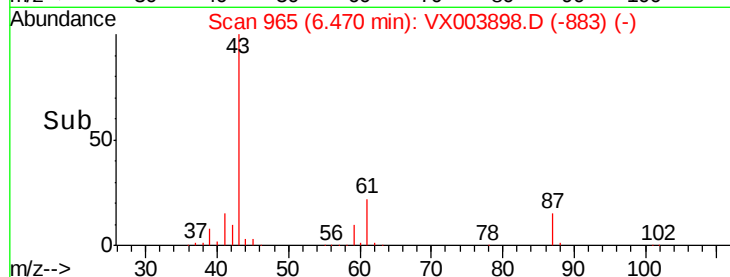
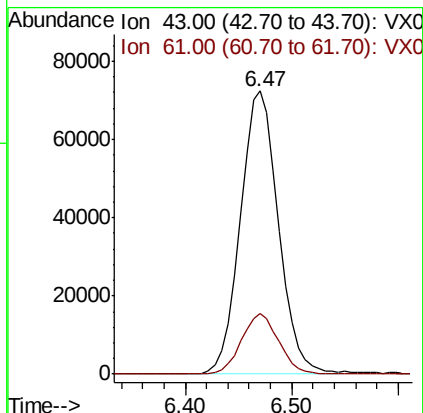
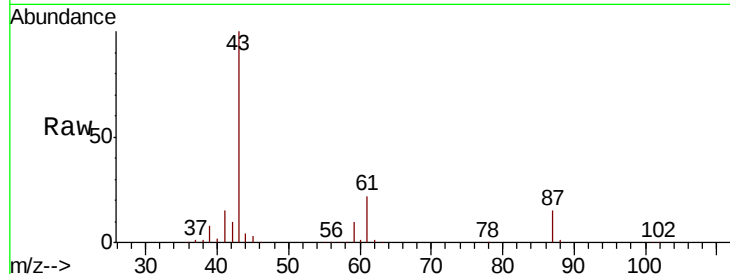


#44

Isopropyl Acetate
 Concen: 18.03 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD02

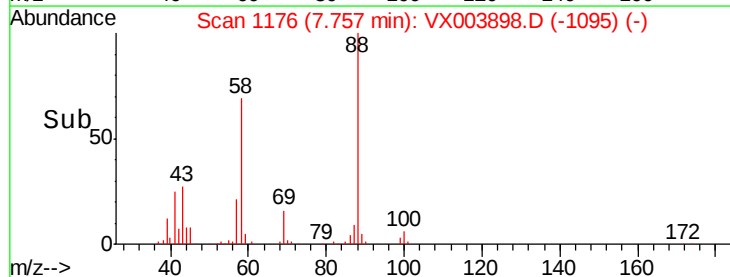
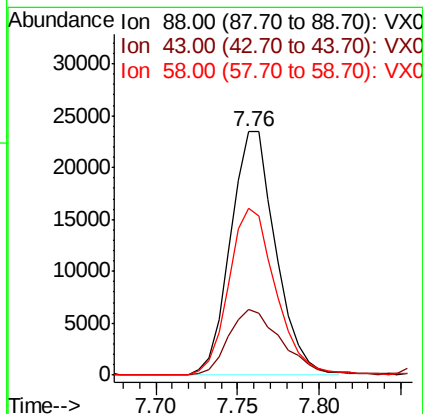
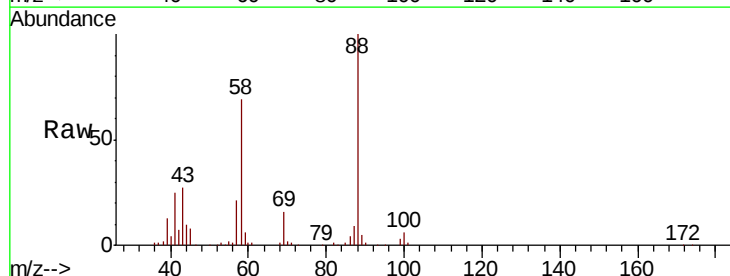
Tot Ion: 43 Resp: 181186
 Ion Ratio Lower Upper
 43 100
 61 21.1 14.5 21.7

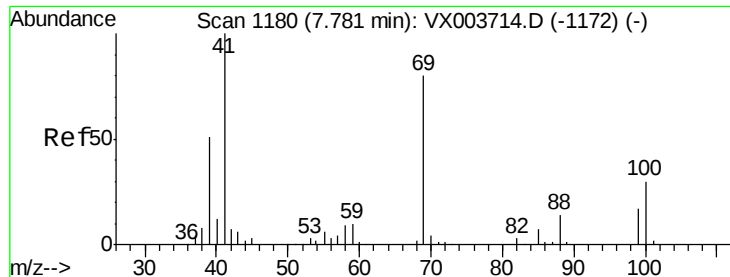


#45

1,4-Dioxane
 Concen: 406.11 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

Tgt Ion: 88 Resp: 45311
 Ion Ratio Lower Upper
 88 100
 43 31.4 43.2 64.8#
 58 71.2 60.2 90.2

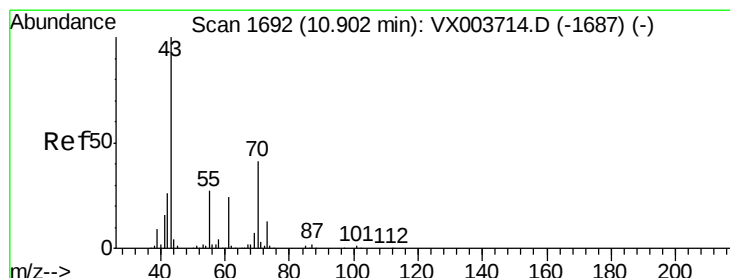
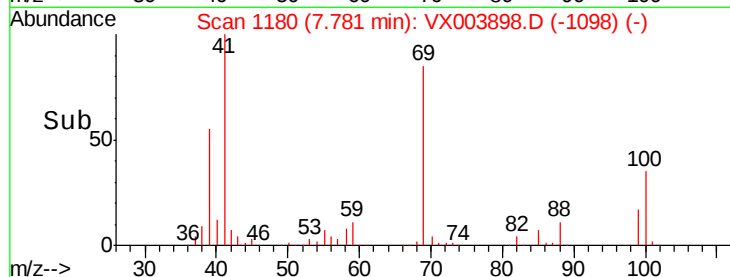
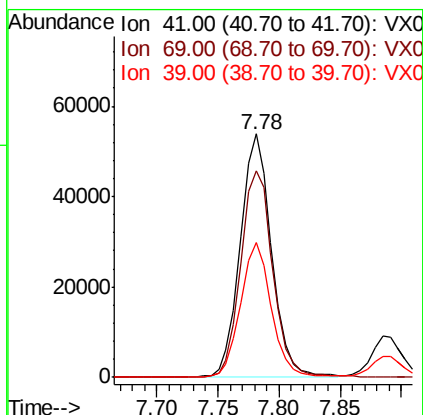
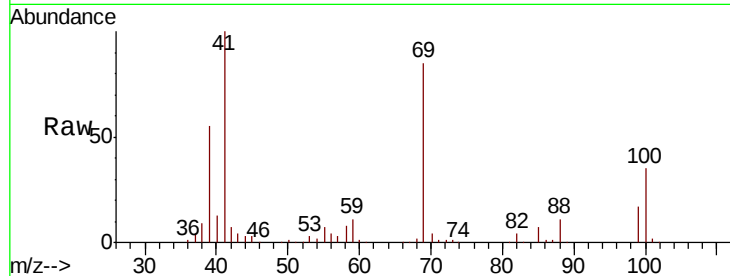




#46
Methyl methacrylate
Concen: 18.36 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

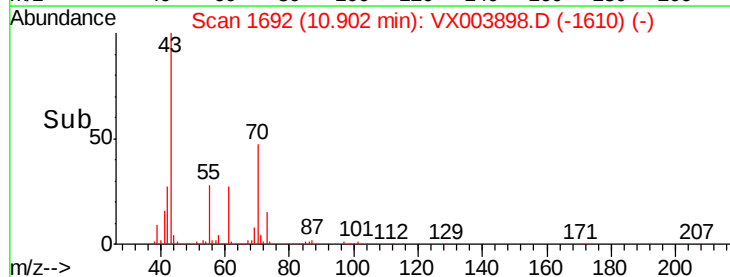
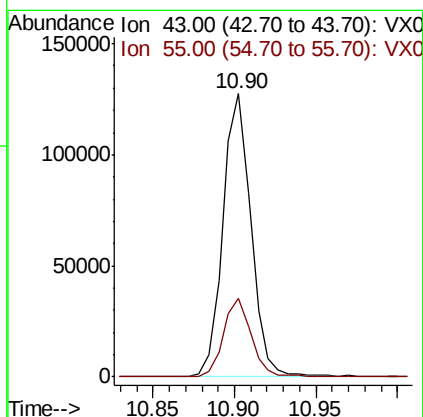
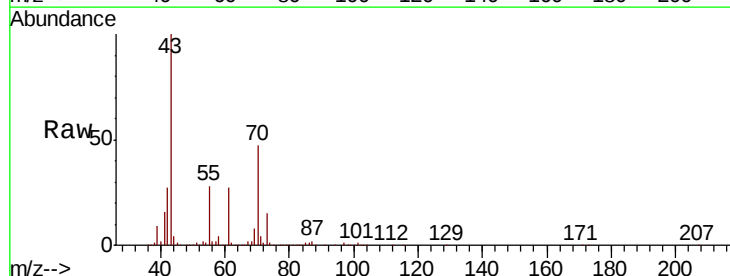
Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD02

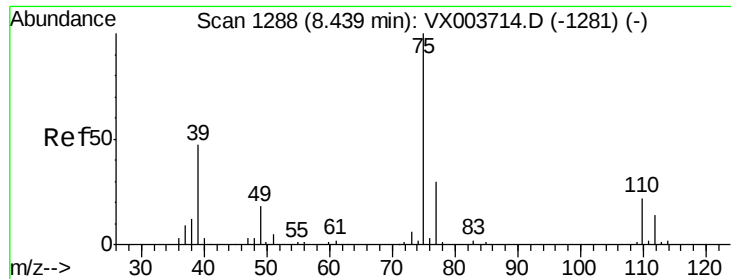
Tot Ion: 41 Resp: 95183
Ion Ratio Lower Upper
41 100
69 84.8 37.0 110.9
39 55.2 29.6 88.9



#47
n-ethyl acetate
Concen: 16.06 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

Tgt Ion: 43 Resp: 152332
Ion Ratio Lower Upper
43 100
55 27.5 0.1 0.1#

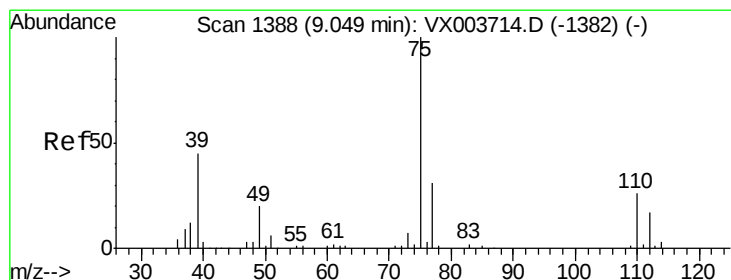
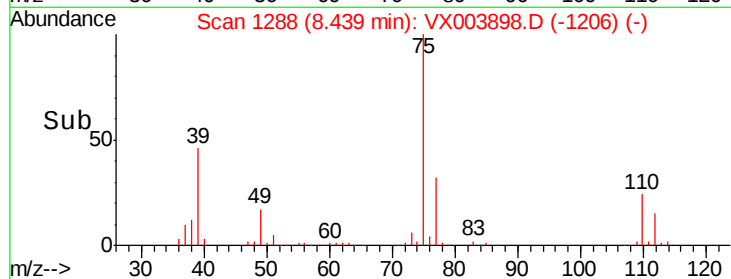
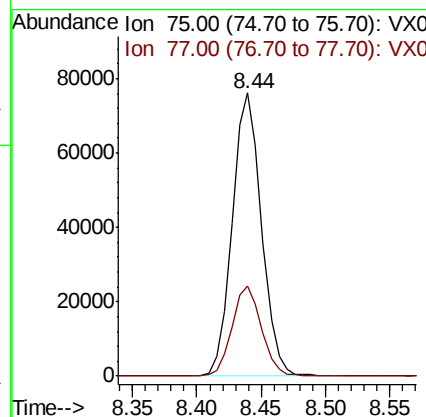
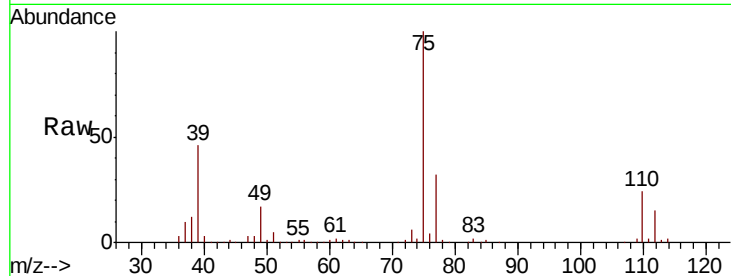




#48
t-1,3-Dichloropropene
Concen: 18.07 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

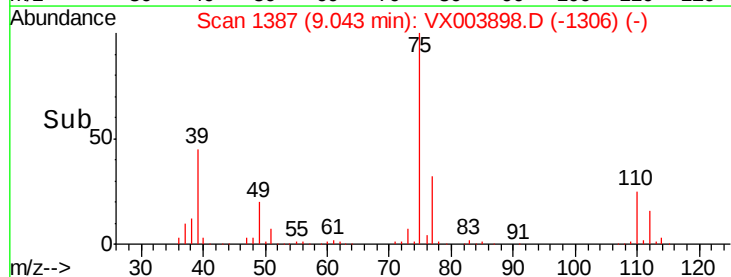
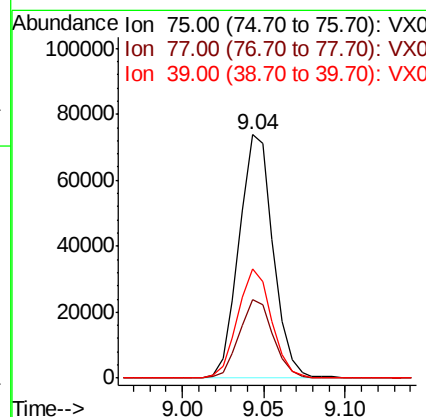
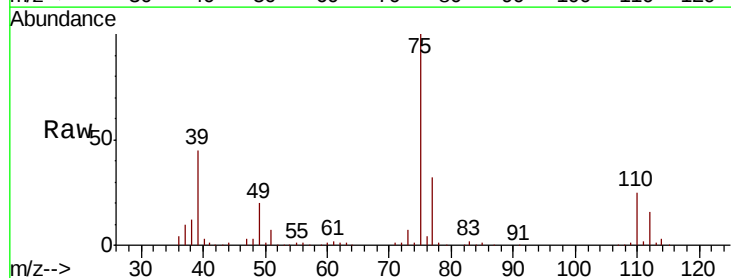
Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD02

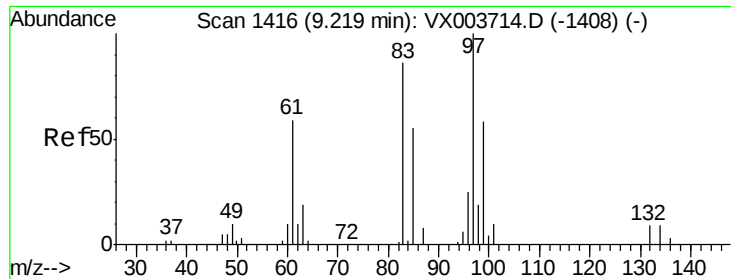
Tot Ion: 75 Resp: 120858
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4



#49
cis-1,3-Dichloropropene
Concen: 17.20 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

Tgt Ion: 75 Resp: 107910
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2
39 44.9 42.3 63.5

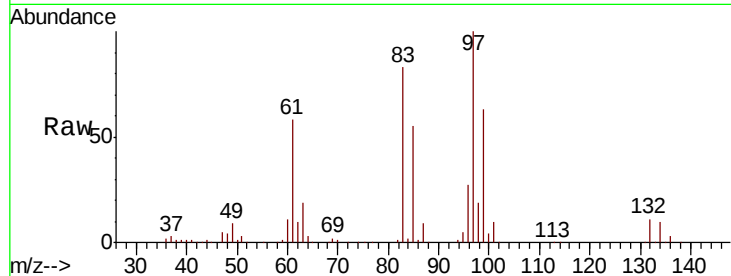




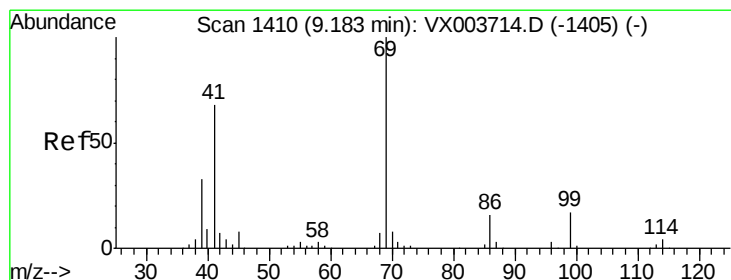
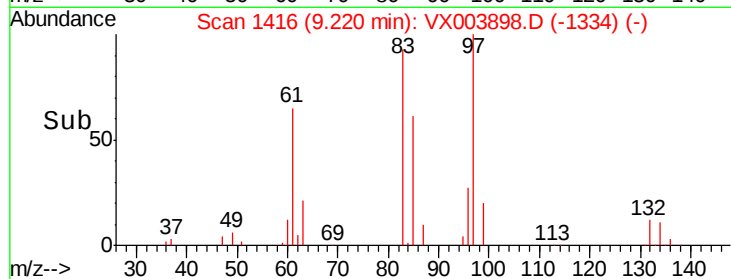
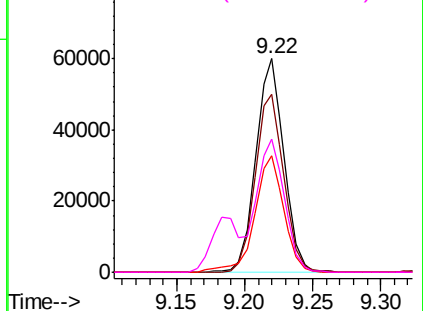
#50
 1,1,2-Trichloroethane
 Concen: 18.94 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD02

Tot Ion: 97 Resp: 86754
 Ion Ratio Lower Upper
 97 100
 83 83.1 70.8 106.2
 85 54.6 43.5 65.3
 99 62.2 50.9 76.3

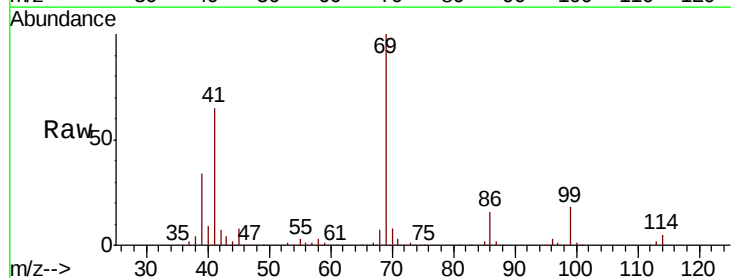


Abundance Ion 97.00 (96.70 to 97.70): VX0
 Ion 82.95 (82.65 to 83.65): VX0
 Ion 84.95 (84.65 to 85.65): VX0
 Ion 98.95 (98.65 to 99.65): VX0

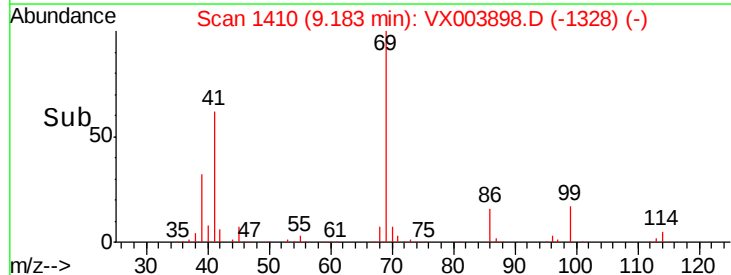
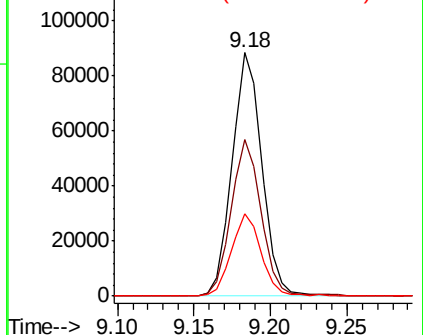


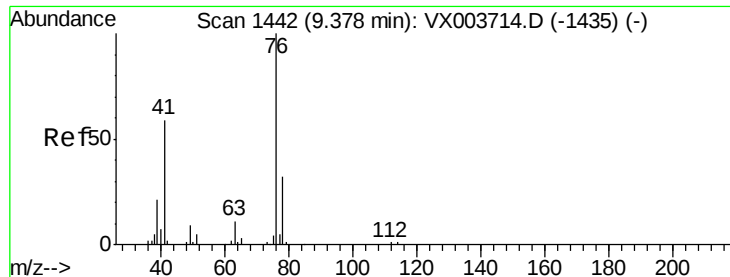
#51
 Ethyl methacrylate
 Concen: 17.37 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

Tgt Ion: 69 Resp: 119781
 Ion Ratio Lower Upper
 69 100
 41 64.5 39.1 117.3
 39 33.5 21.7 65.1



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





#52

1,3-Dichloropropane

Concen: 19.21 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

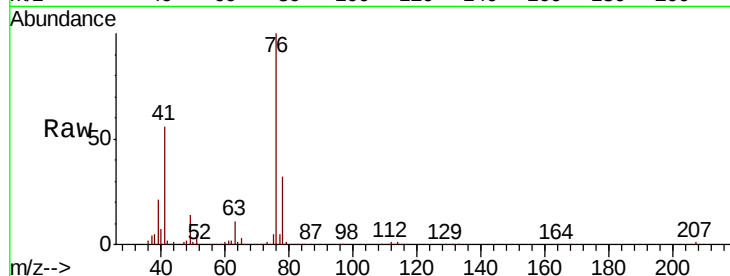
VX0807WBSD02

Tot Ion: 76 Resp: 146444

Ion Ratio Lower Upper

76 100

78 32.0 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX003714.D (-1435) (-)

Ion 78.00 (77.70 to 78.70): VX003714.D (-1435) (-)

9.37

120000

100000

80000

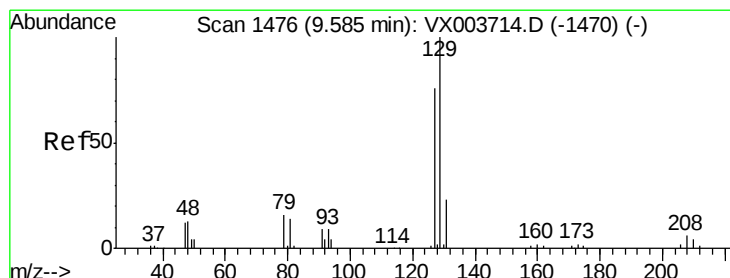
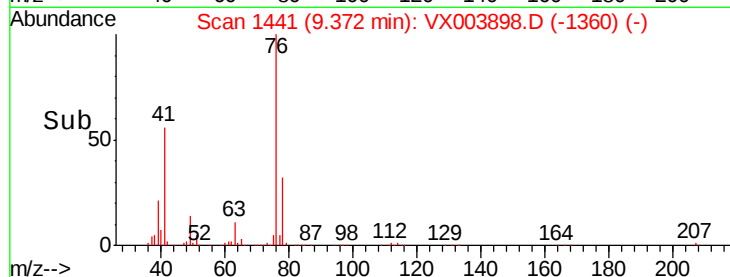
60000

40000

20000

0

Time--> 9.30 9.35 9.40 9.45



#53

Dibromochloromethane

Concen: 18.09 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003898.D

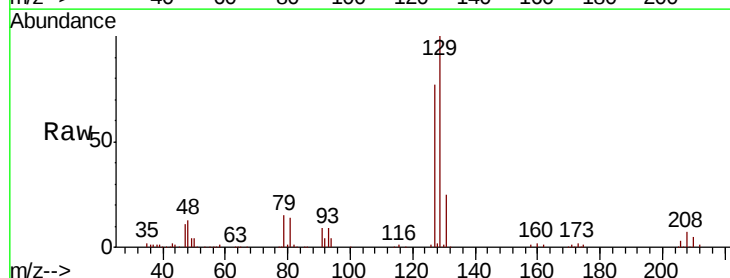
Acq: 08 Aug 2018 00:05

Tgt Ion: 129 Resp: 81383

Ion Ratio Lower Upper

129 100

127 77.7 38.5 115.3



Abundance Ion 129.00 (128.70 to 129.70): VX003714.D (-1470) (-)

Ion 127.00 (126.70 to 127.70): VX003714.D (-1470) (-)

9.59

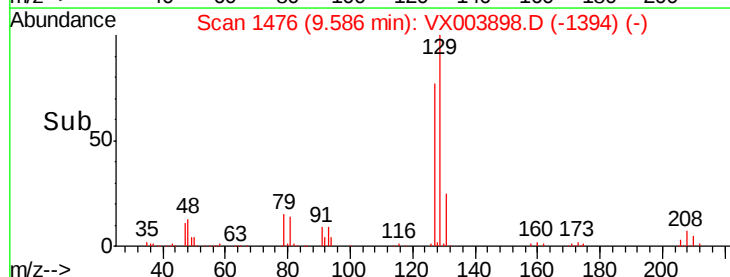
60000

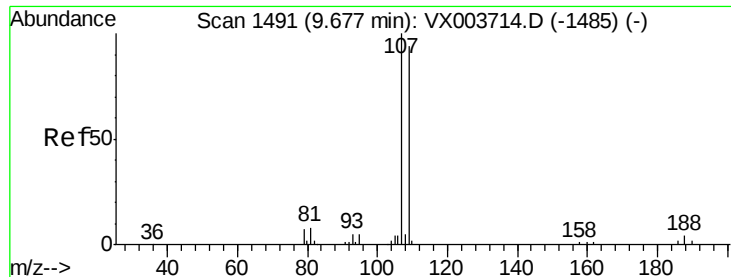
40000

20000

0

Time--> 9.55 9.60 9.65





#54

1,2-Dibromoethane

Concen: 18.43 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

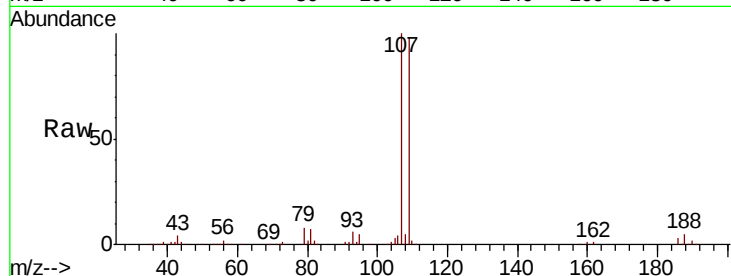
VX0807WBSD02

Tot Ion:107 Resp: 88254

Ion Ratio Lower Upper

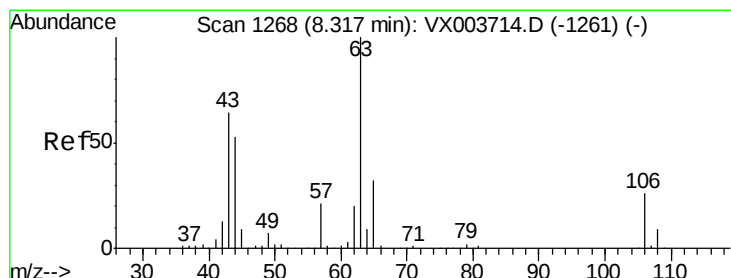
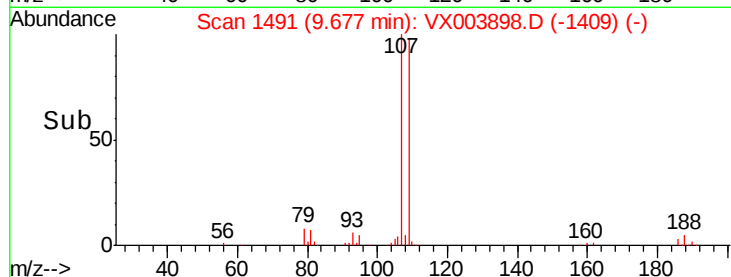
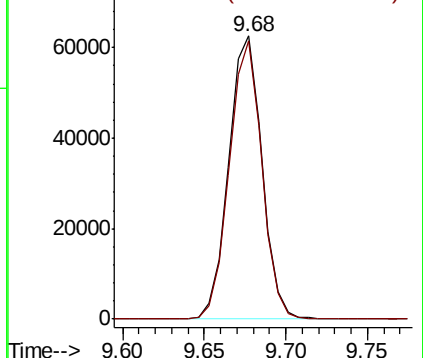
107 100

109 96.8 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#55

2-Chloroethyl vinyl ether

Concen: 90.10 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

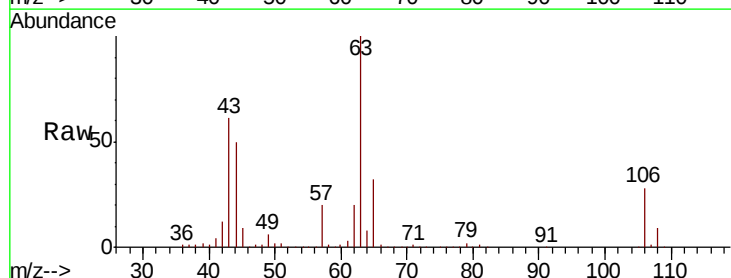
Tgt Ion: 63 Resp: 320468

Ion Ratio Lower Upper

63 100

65 32.1 25.6 38.4

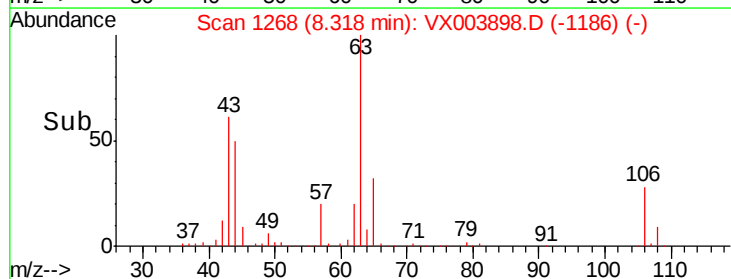
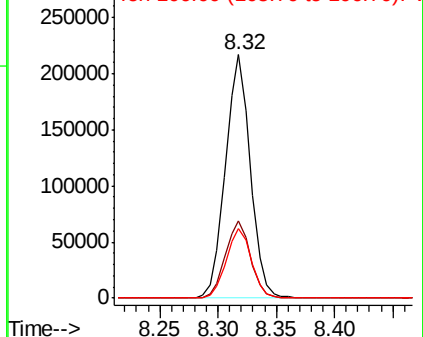
106 29.0 21.6 32.4

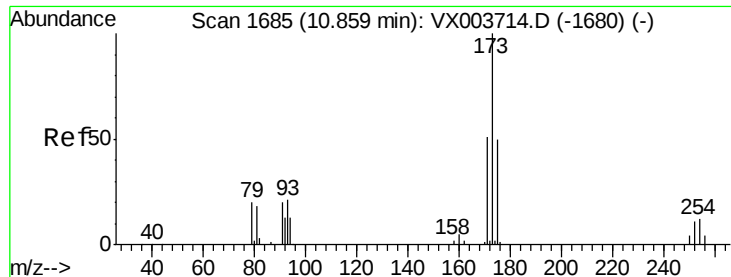


Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

Ion 106.00 (105.70 to 106.70): V





#56

Bromoform

Concen: 17.73 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD02

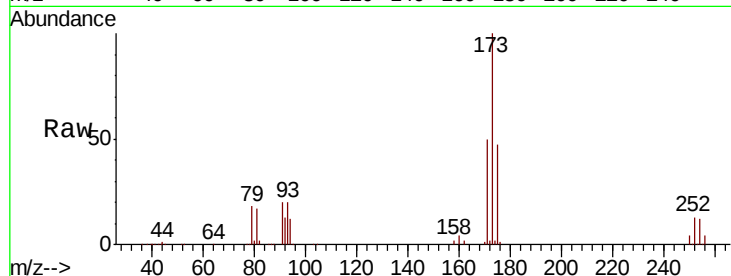
Tot Ion:173 Resp: 61888

Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.4

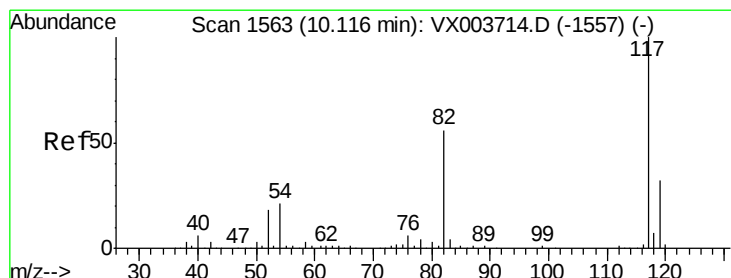
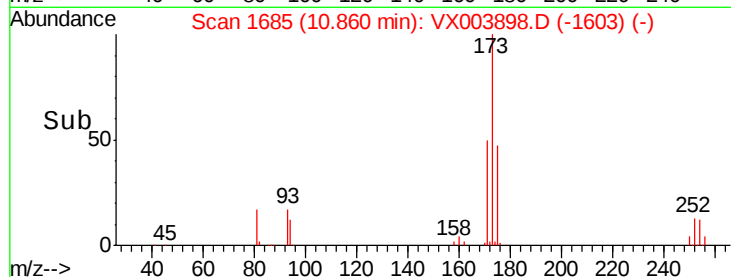
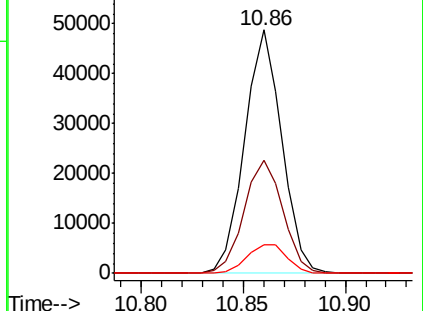
254 13.0 9.6 14.4



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

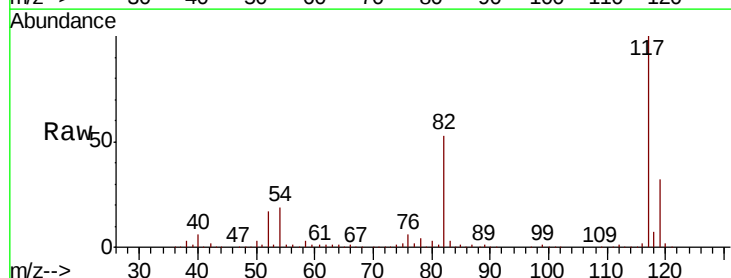
Tgt Ion:117 Resp: 345210

Ion Ratio Lower Upper

117 100

82 53.7 44.3 66.5

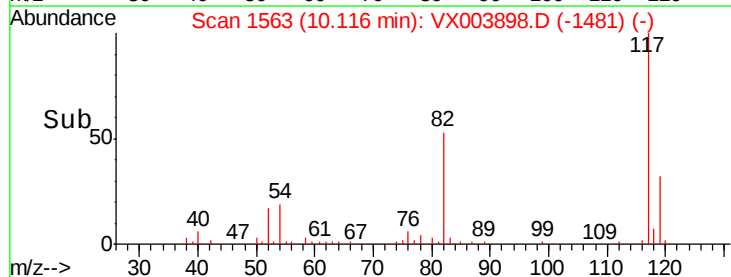
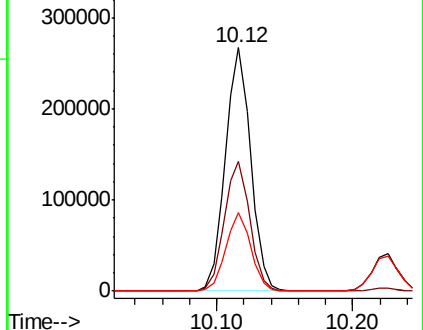
119 31.9 25.7 38.5

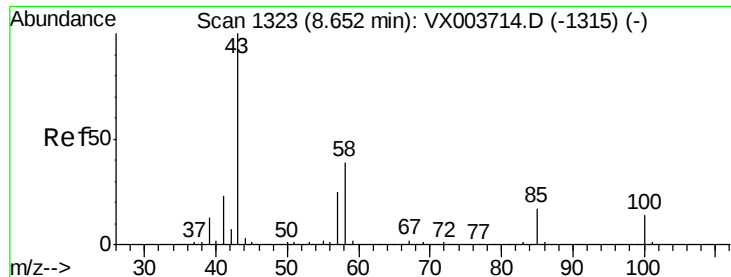


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V





#58

4-Methyl-2-Pentanone

Concen: 97.72 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleID :

VX0807WBSD02

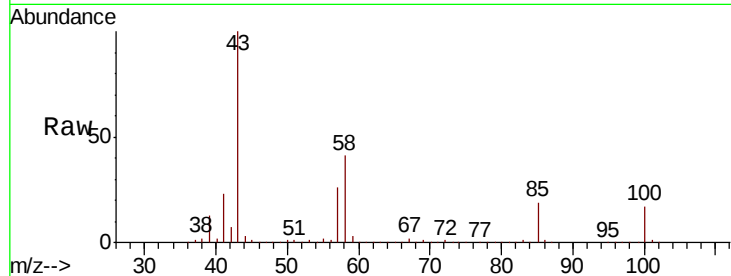
Tot Ion: 43 Resp: 636975

Ion Ratio Lower Upper

43 100

58 41.0 28.2 42.4

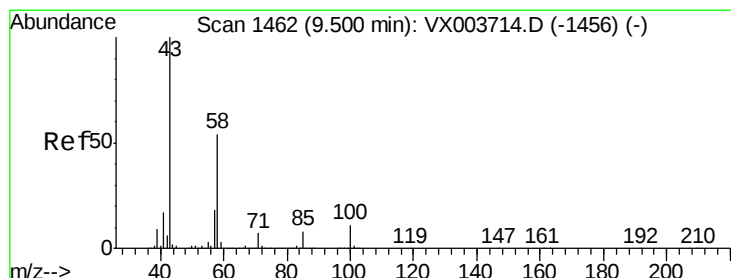
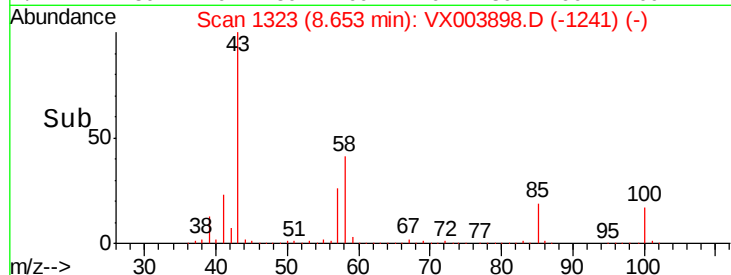
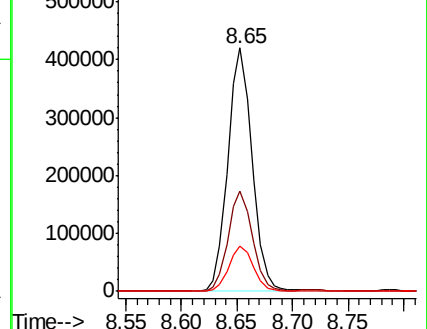
85 18.6 12.4 18.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#59

2-Hexanone

Concen: 93.66 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

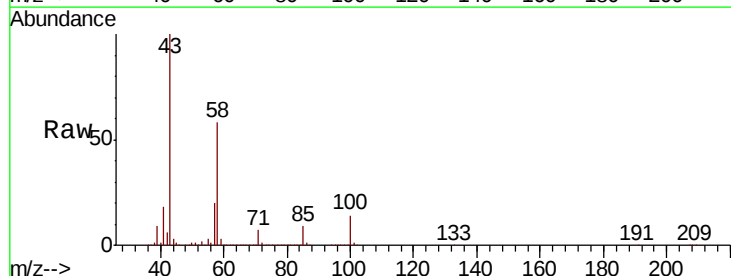
Tgt Ion: 43 Resp: 486109

Ion Ratio Lower Upper

43 100

58 57.1 39.6 59.4

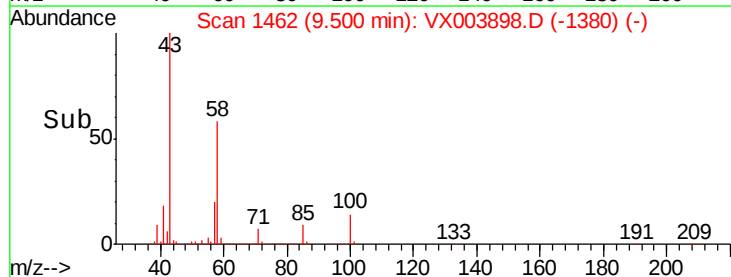
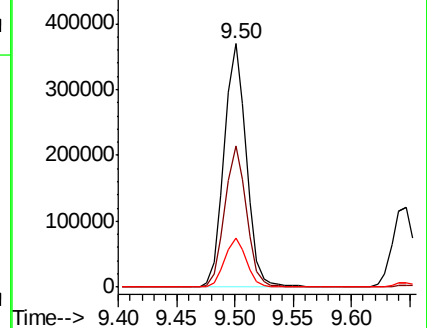
57 19.7 14.1 21.1

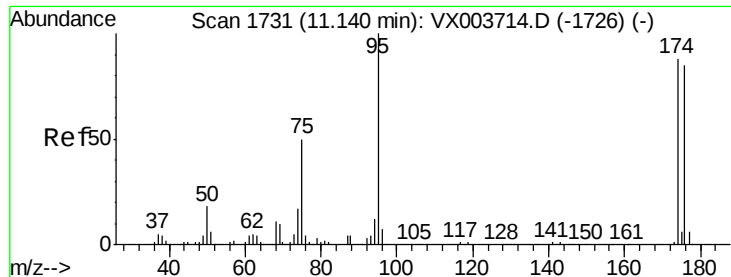


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

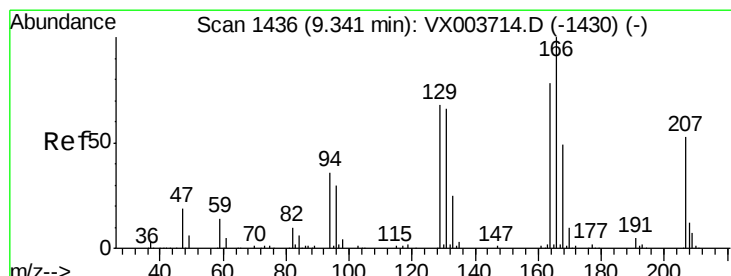
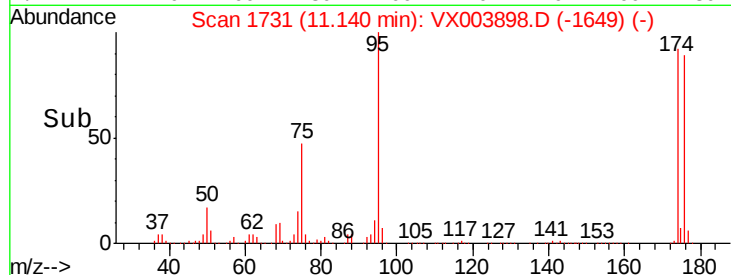
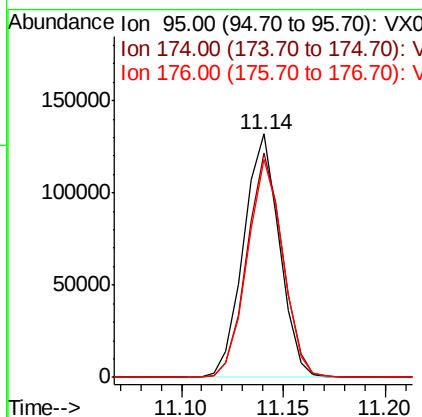
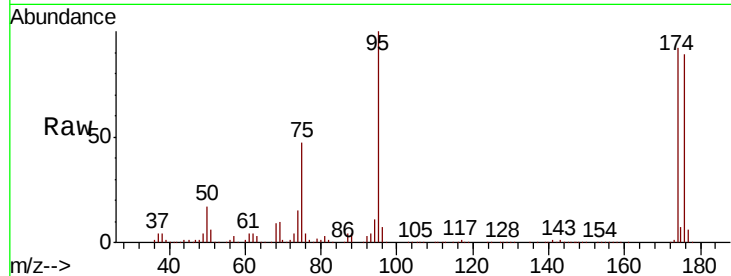




#60
4-Bromofluorobenzene
Concen: 29.12 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

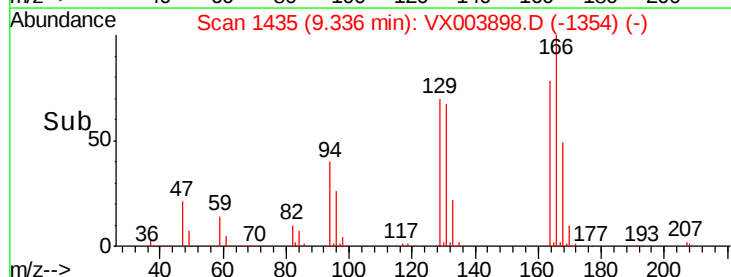
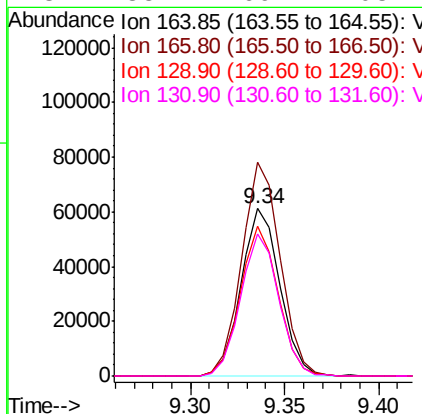
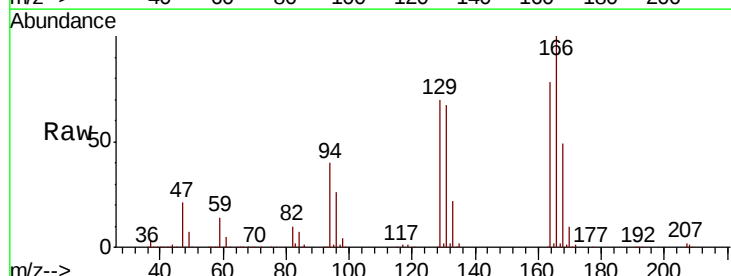
Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD02

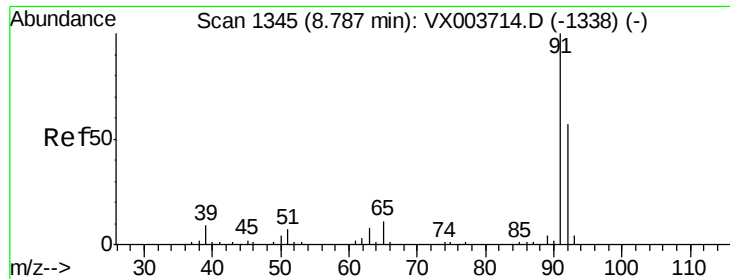
Tot Ion: 95 Resp: 161867
Ion Ratio Lower Upper
95 100
174 91.8 71.8 107.6
176 89.2 70.1 105.1



#61
Tetrachloroethene
Concen: 21.69 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

Tgt Ion: 164 Resp: 87147
Ion Ratio Lower Upper
164 100
166 127.8 102.4 153.6
129 89.7 70.1 105.1
131 85.2 69.1 103.7





#62

Toluene

Concen: 20.44 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

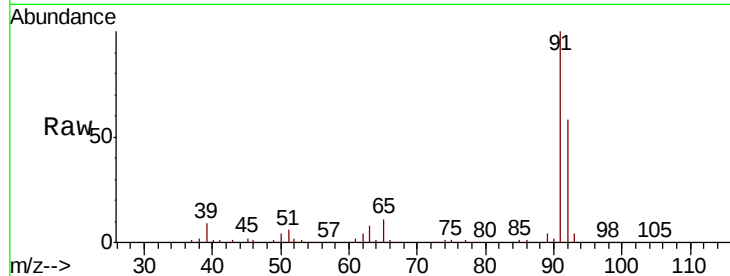
VX0807WBSD02

Tot Ion: 91 Resp: 366282

Ion Ratio Lower Upper

91 100

92 58.2 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

8.79

250000

200000

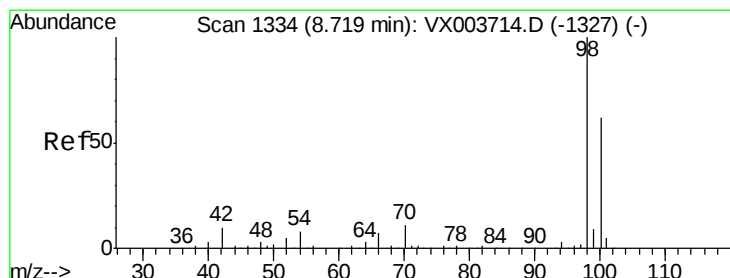
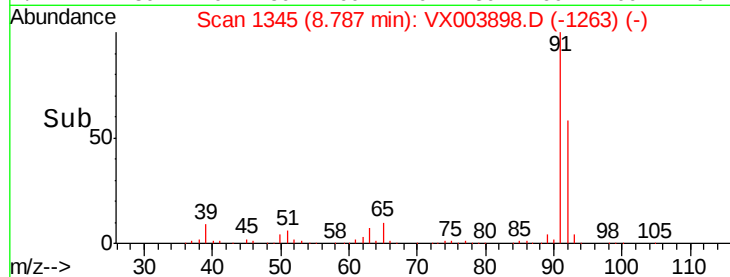
150000

100000

50000

0

Time-->



#63

Toluene-d8

Concen: 29.69 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003898.D

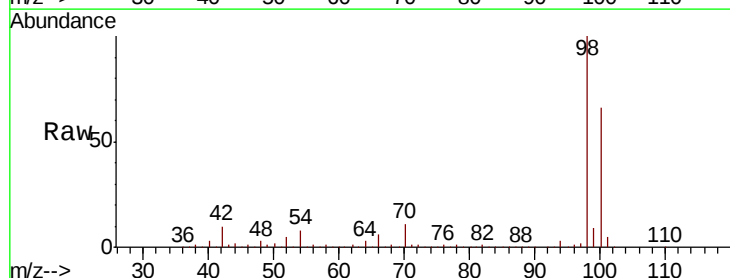
Acq: 08 Aug 2018 00:05

Tgt Ion: 98 Resp: 461658

Ion Ratio Lower Upper

98 100

100 66.3 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

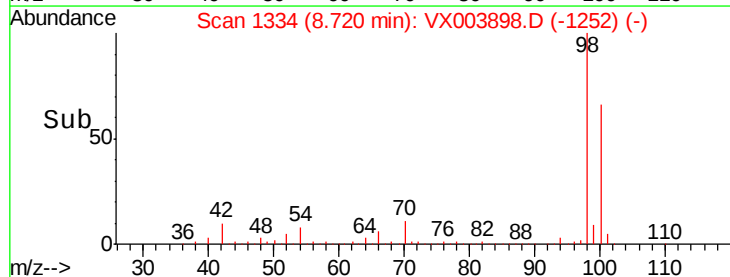
300000

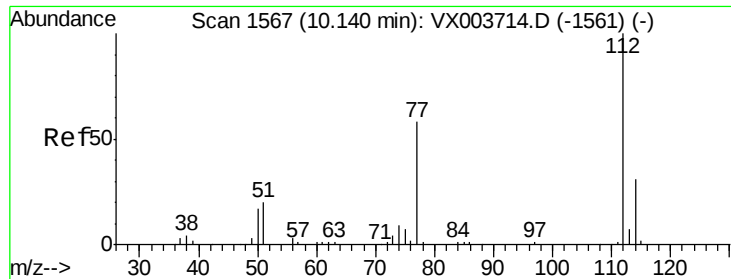
200000

100000

0

Time-->





#64

Chlorobenzene

Concen: 20.50 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

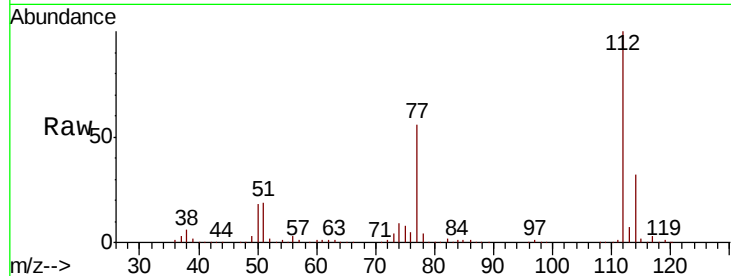
VX0807WBSD02

Tot Ion:112 Resp: 237344

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

10.14

200000

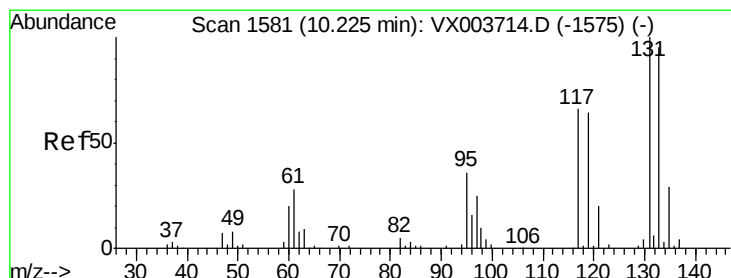
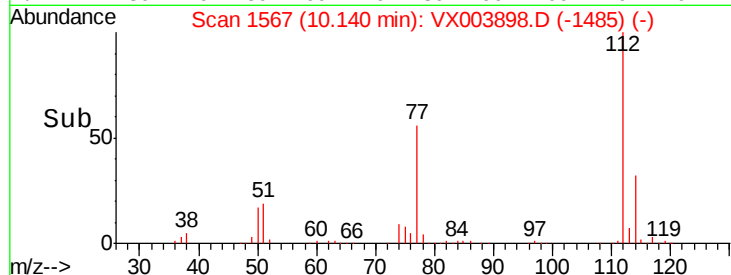
150000

100000

50000

0

Time-->



#65

1,1,1,2-Tetrachloroethane

Concen: 19.99 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

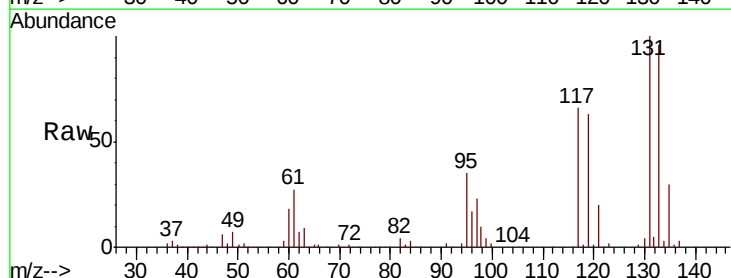
Tgt Ion:131 Resp: 81916

Ion Ratio Lower Upper

131 100

133 96.8 0.0 191.2

119 64.7 0.0 125.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

10.23

80000

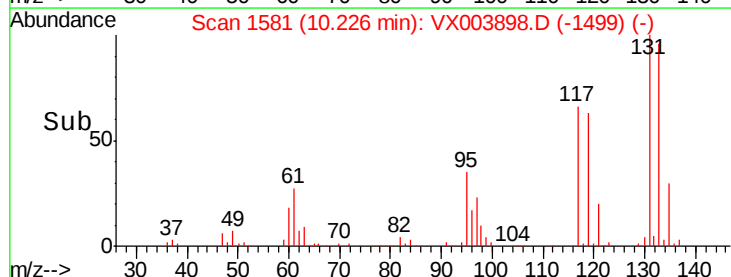
60000

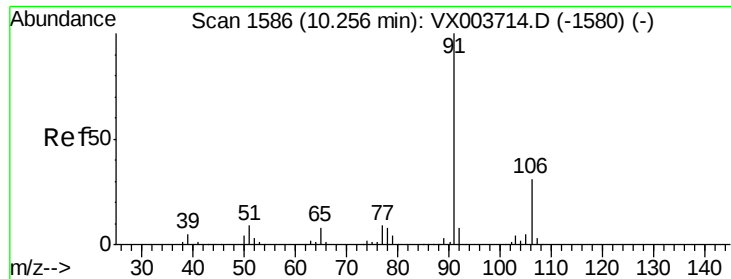
40000

20000

0

Time-->





#66

Ethyl Benzene

Concen: 19.96 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleID :

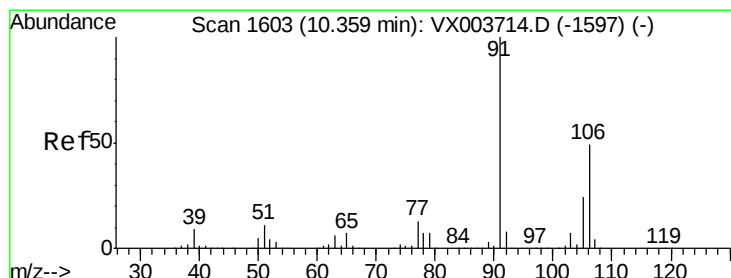
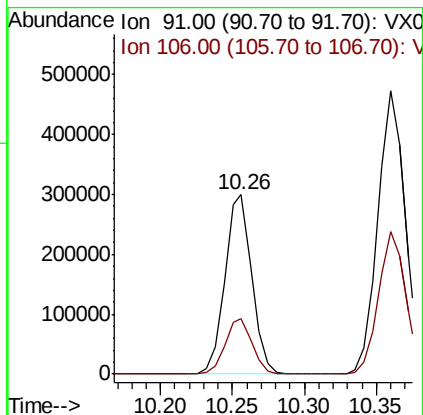
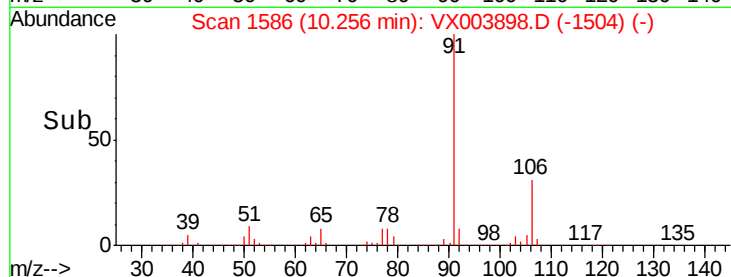
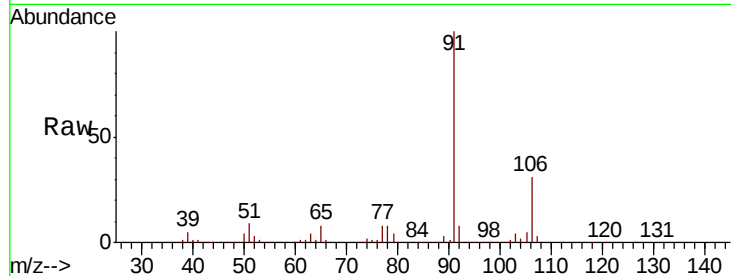
VX0807WBSD02

Tot Ion: 91 Resp: 393640

Ion Ratio Lower Upper

91 100

106 31.0 25.2 37.8



#67

m/p-Xylenes

Concen: 40.70 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003898.D

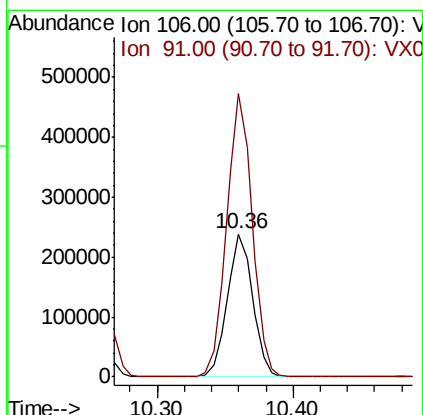
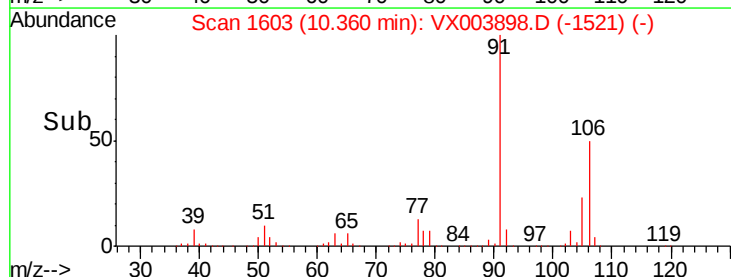
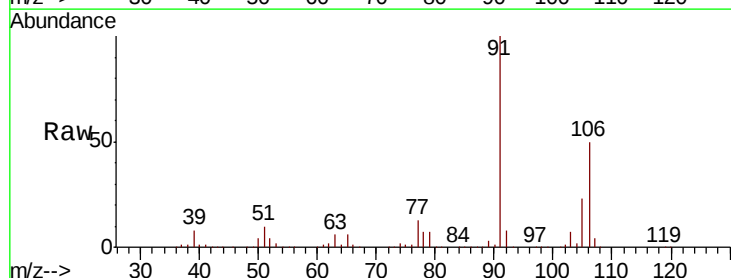
Acq: 08 Aug 2018 00:05

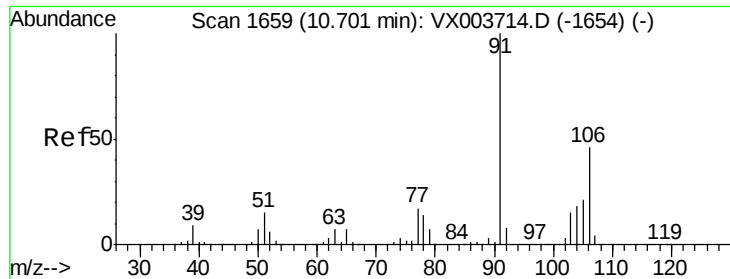
Tgt Ion: 106 Resp: 309099

Ion Ratio Lower Upper

106 100

91 199.3 164.1 246.1

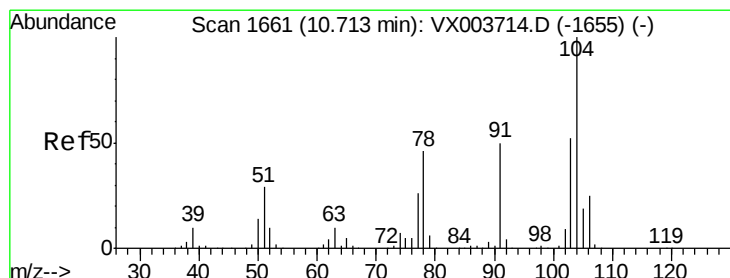
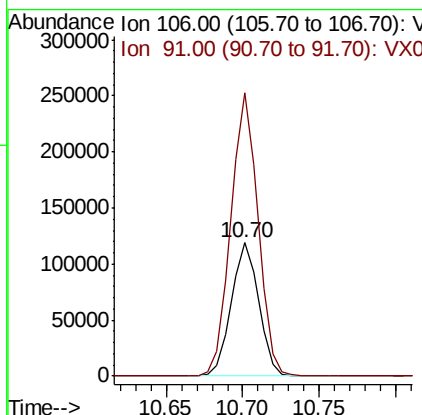
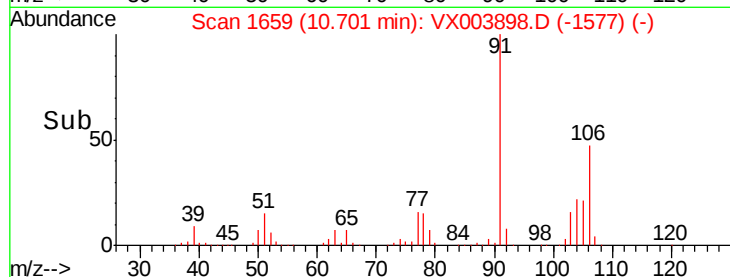
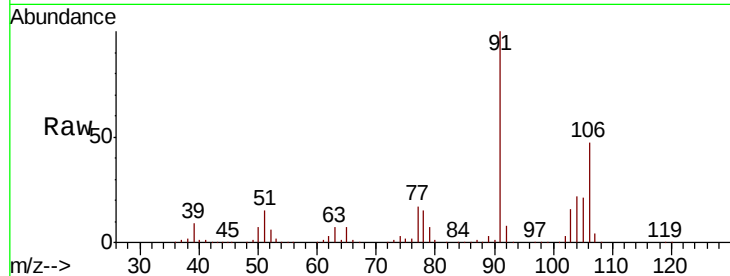




#68
o-Xylene
Concen: 20.30 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

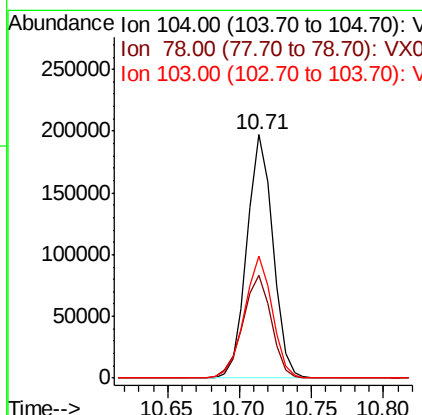
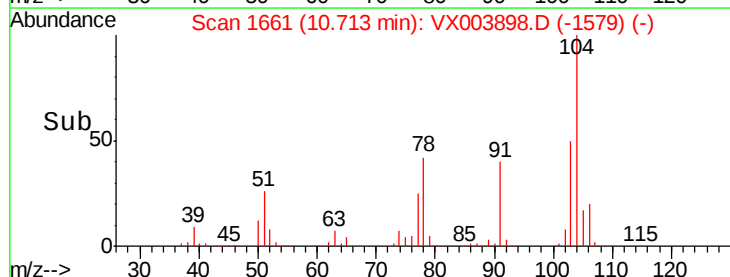
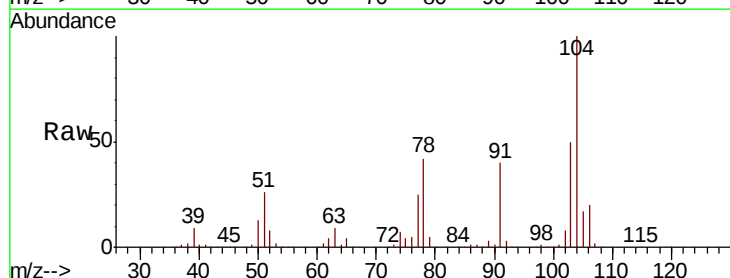
Instrument :
MSVOA_X
ClientSampleID :
VX0807WBSD02

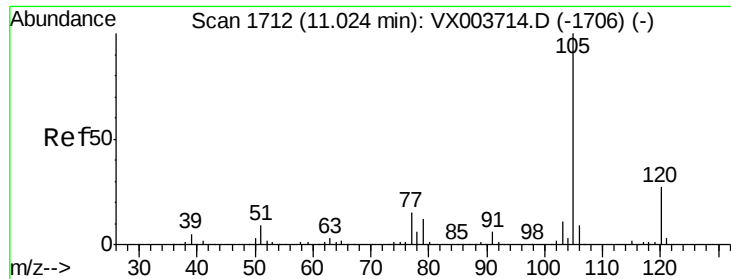
Tot Ion:106 Resp: 147501
Ion Ratio Lower Upper
106 100
91 210.5 109.1 327.3



#69
Styrene
Concen: 19.97 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

Tgt Ion:104 Resp: 245649
Ion Ratio Lower Upper
104 100
78 46.9 41.8 62.8
103 54.1 44.9 67.3





#70

Isopropylbenzene

Concen: 19.84 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

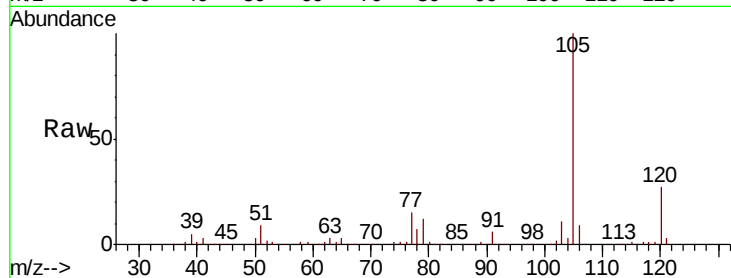
VX0807WBSD02

Tot Ion:105 Resp: 396820

Ion Ratio Lower Upper

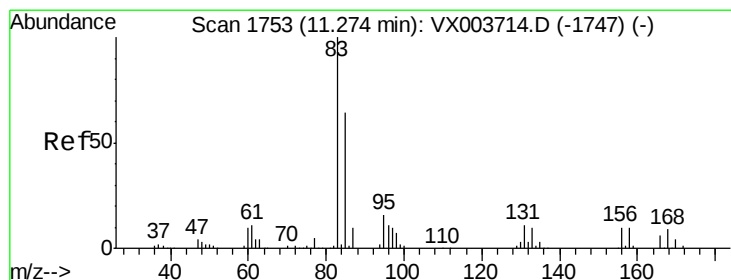
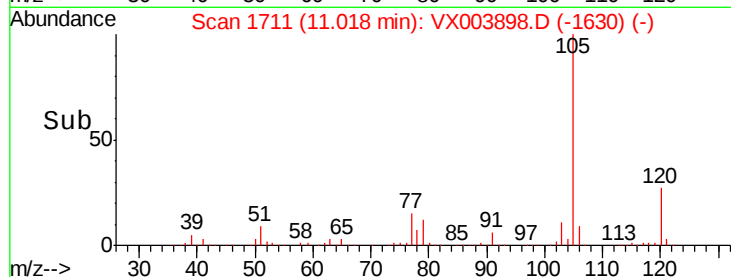
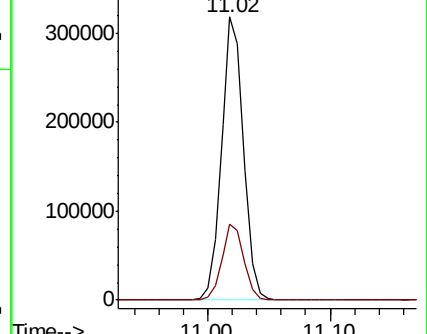
105 100

120 26.7 19.0 35.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 19.12 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

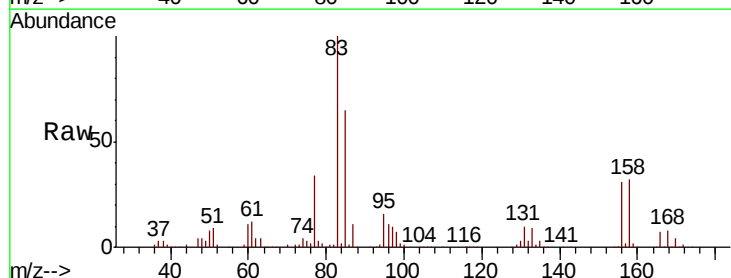
Tgt Ion: 83 Resp: 136524

Ion Ratio Lower Upper

83 100

131 10.5 5.4 16.2

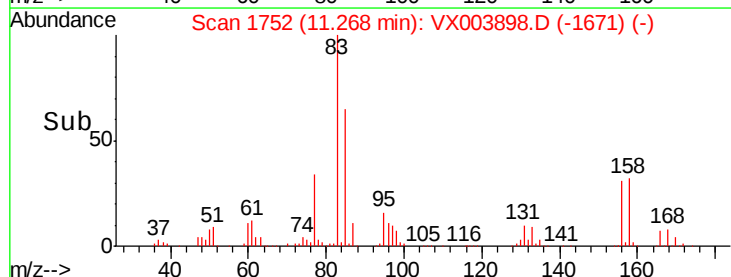
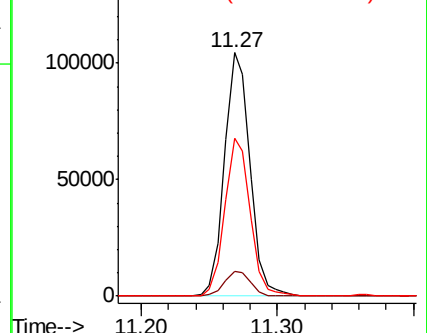
85 64.2 32.4 97.2

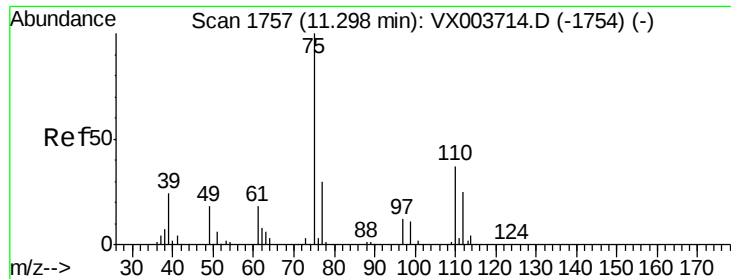


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0





#72

1,2,3-Trichloropropane

Concen: 24.82 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

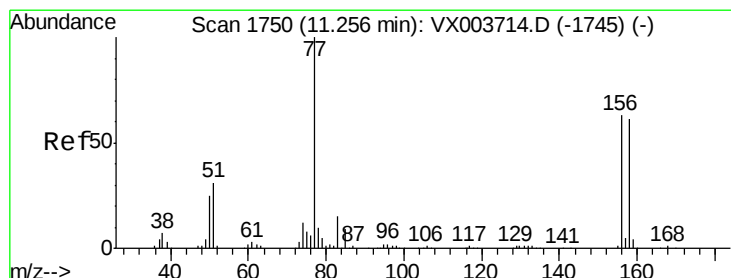
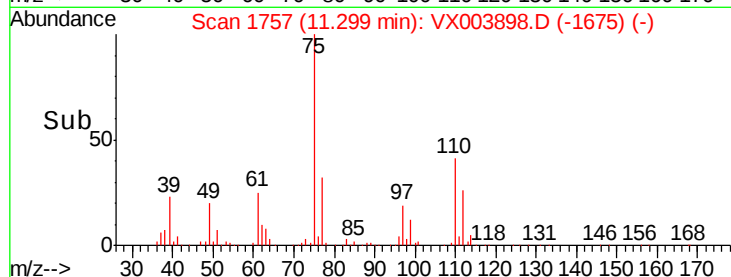
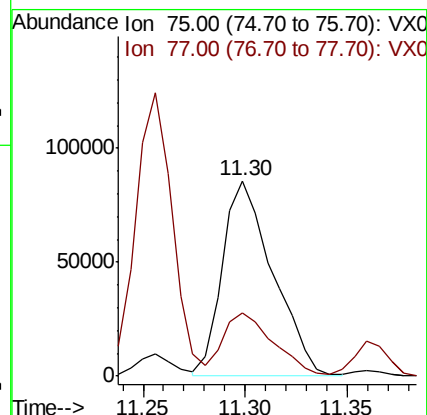
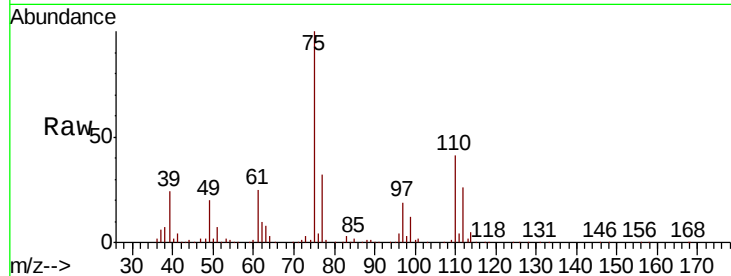
VX0807WBSD02

Tot Ion: 75 Resp: 147436

Ion Ratio Lower Upper

75 100

77 31.8 0.0 71.8



#73

Bromobenzene

Concen: 19.44 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

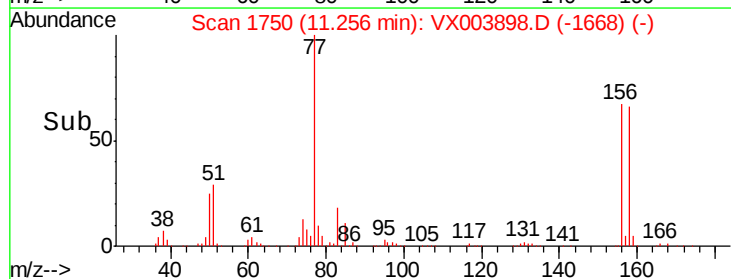
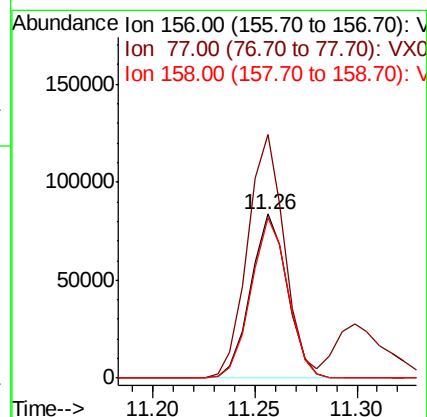
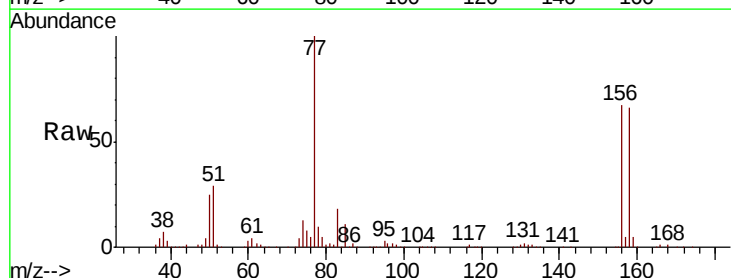
Tgt Ion: 156 Resp: 104795

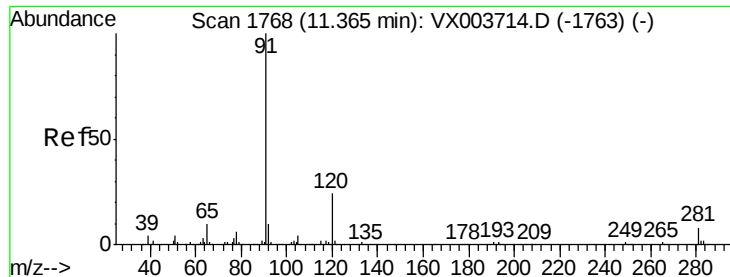
Ion Ratio Lower Upper

156 100

77 148.9 0.0 301.0

158 97.9 0.0 196.2





#74

n-propylbenzene

Concen: 19.30 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

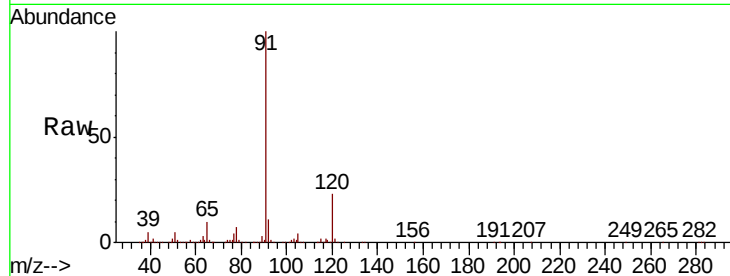
VX0807WBSD02

Tot Ion: 91 Resp: 454738

Ion Ratio Lower Upper

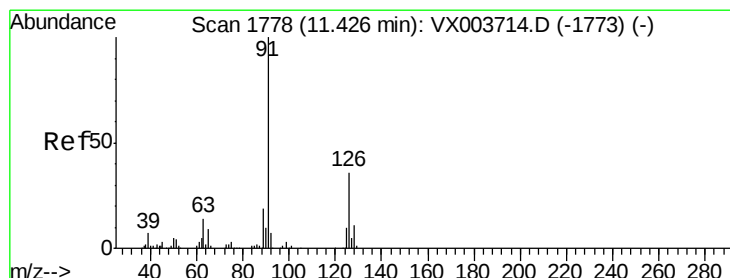
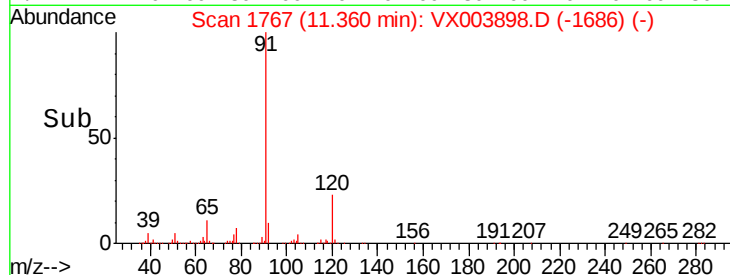
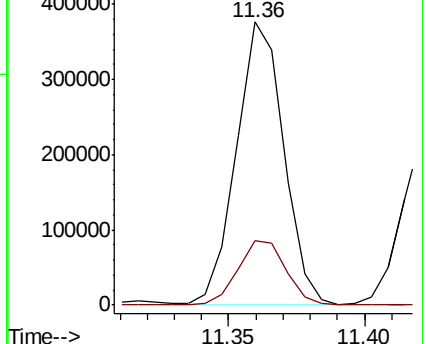
91 100

120 23.3 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 19.91 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003898.D

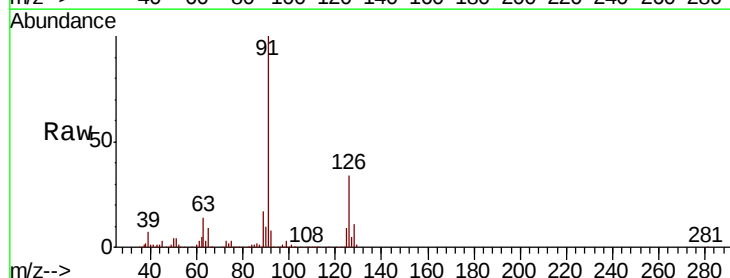
Acq: 08 Aug 2018 00:05

Tgt Ion: 91 Resp: 276515

Ion Ratio Lower Upper

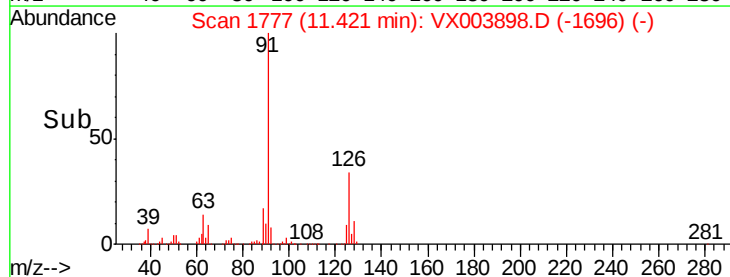
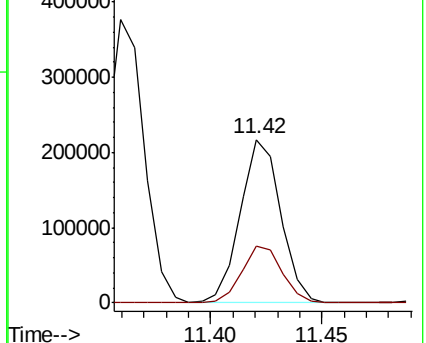
91 100

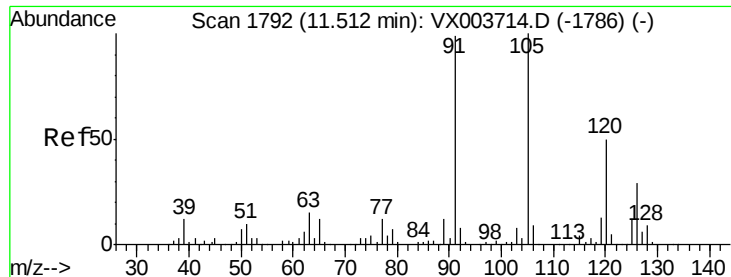
126 34.8 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

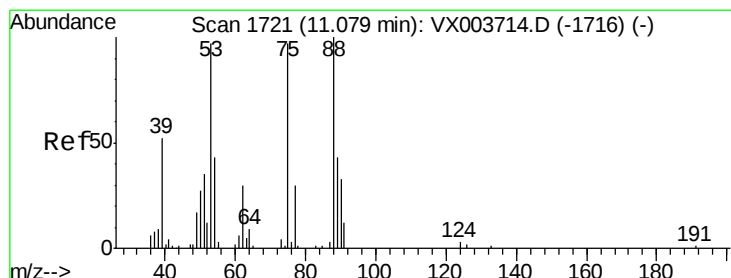
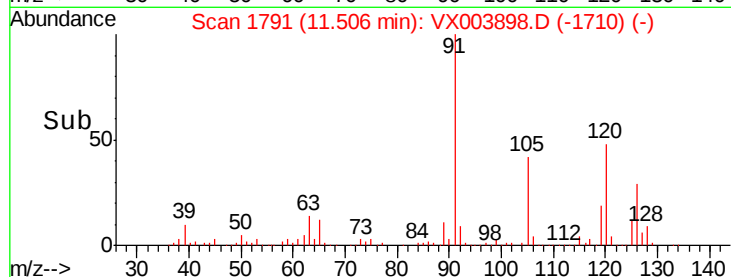
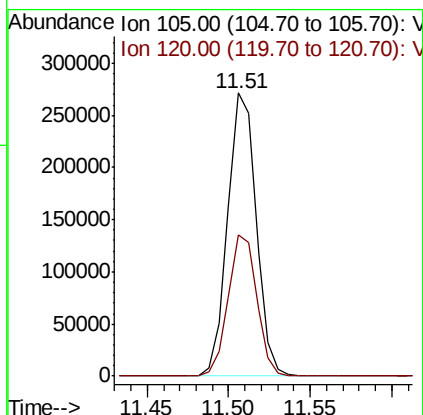
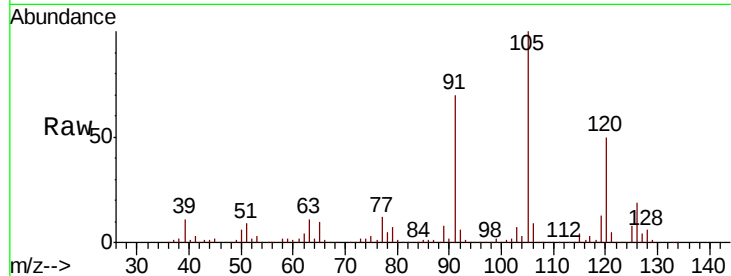




#76
 1,3,5-Trimethylbenzene
 Concen: 19.44 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

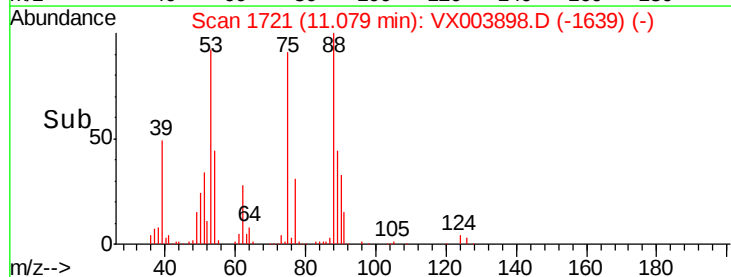
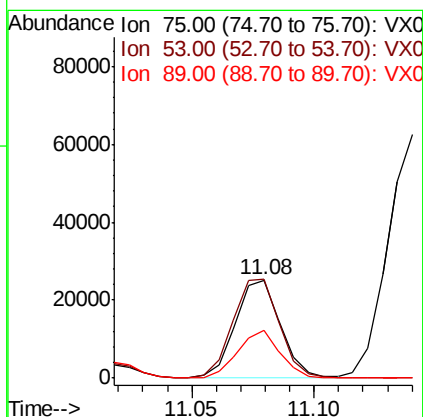
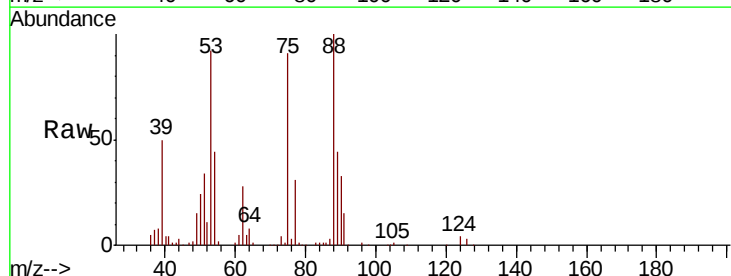
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD02

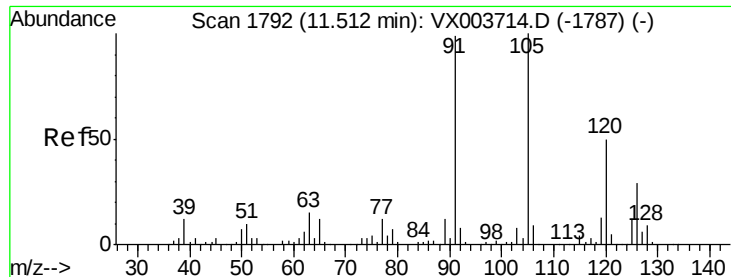
Tot Ion:105 Resp: 329985
 Ion Ratio Lower Upper
 105 100
 120 50.2 0.0 96.8



#77
 t-1,4-Dichloro-2-butene
 Concen: 15.76 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

Tgt Ion: 75 Resp: 31908
 Ion Ratio Lower Upper
 75 100
 53 101.2 48.3 144.9
 89 48.6 21.8 65.4

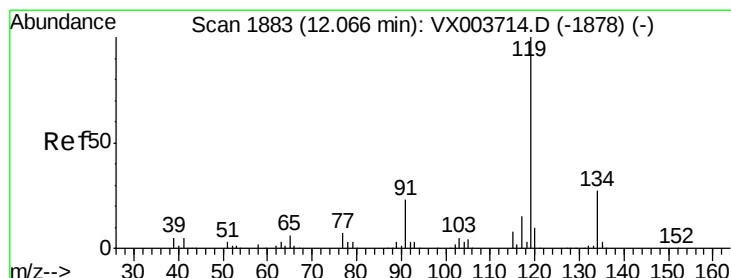
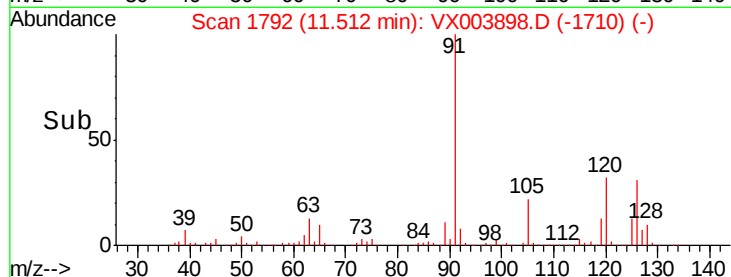
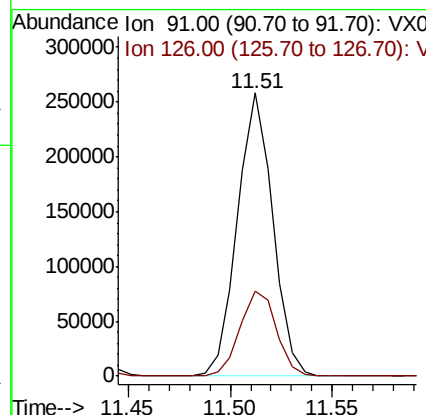
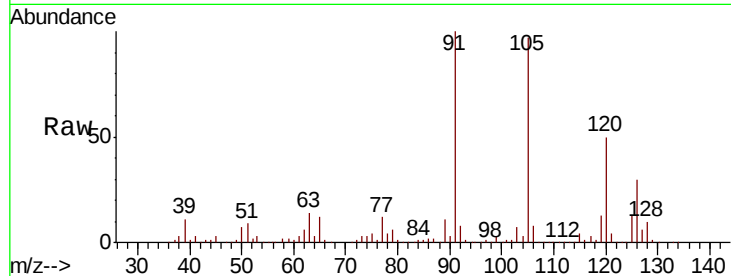




#78
4-Chlorotoluene
Concen: 19.08 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

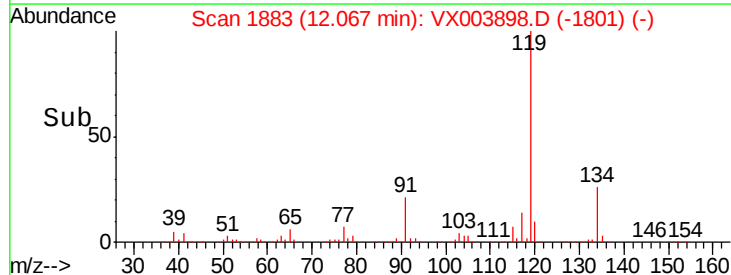
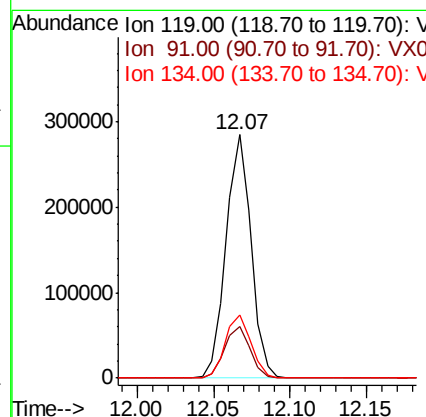
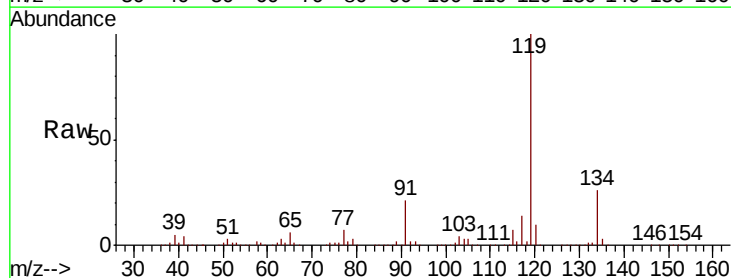
Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD02

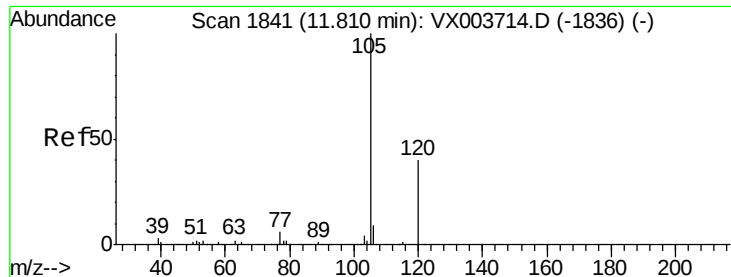
Tot Ion: 91 Resp: 310016
Ion Ratio Lower Upper
91 100
126 31.1 0.0 61.0



#79
tert-butylbenzene
Concen: 18.51 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003898.D
Acq: 08 Aug 2018 00:05

Tgt Ion: 119 Resp: 323291
Ion Ratio Lower Upper
119 100
91 21.6 0.0 48.0
134 26.6 0.0 52.6

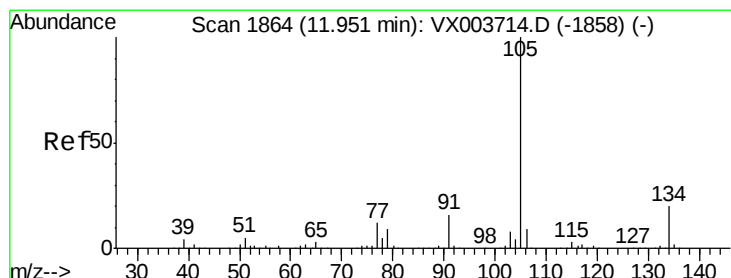
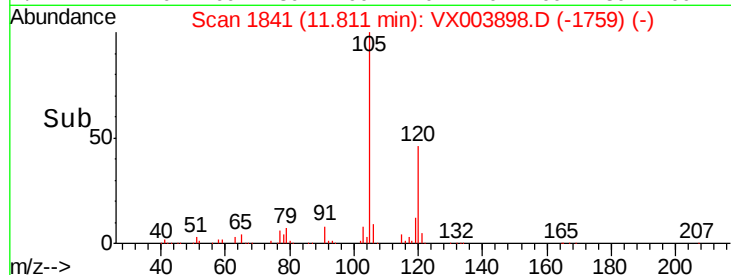
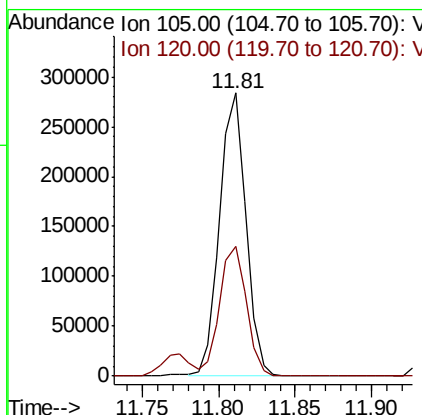
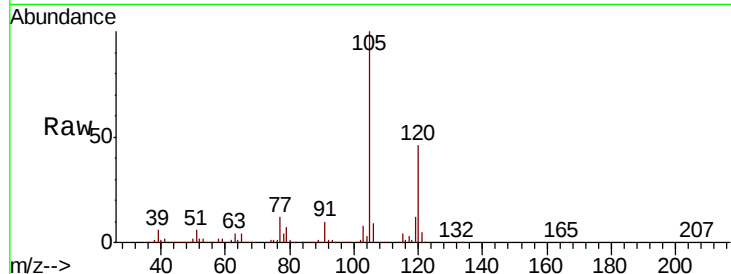




#80
 1,2,4-Trimethylbenzene
 Concen: 19.56 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

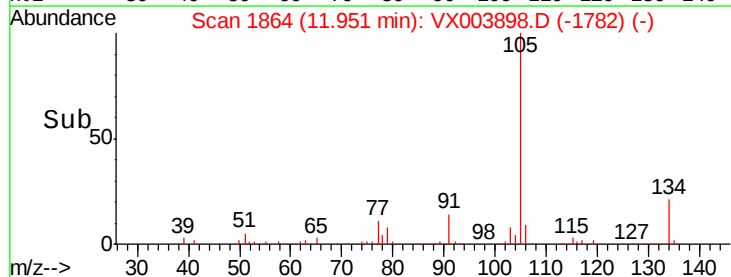
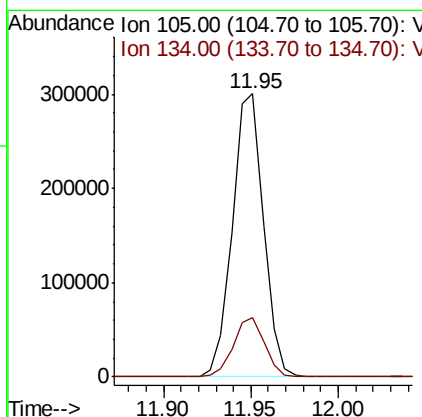
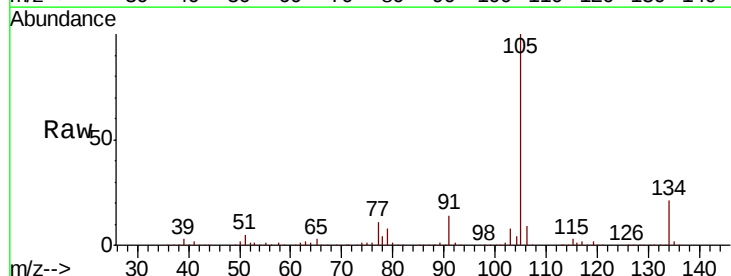
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD02

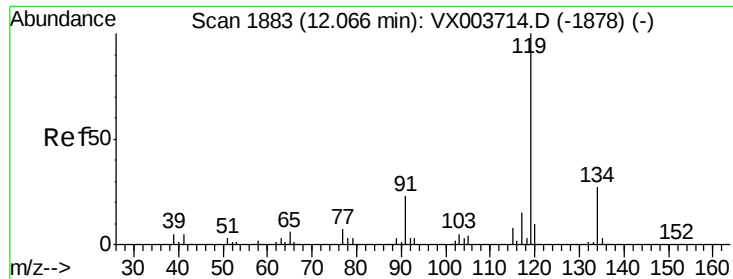
Tot Ion:105 Resp: 339695
 Ion Ratio Lower Upper
 105 100
 120 46.6 0.0 89.2



#81
 sec-Butylbenzene
 Concen: 18.79 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

Tgt Ion:105 Resp: 371474
 Ion Ratio Lower Upper
 105 100
 134 20.9 0.0 41.6

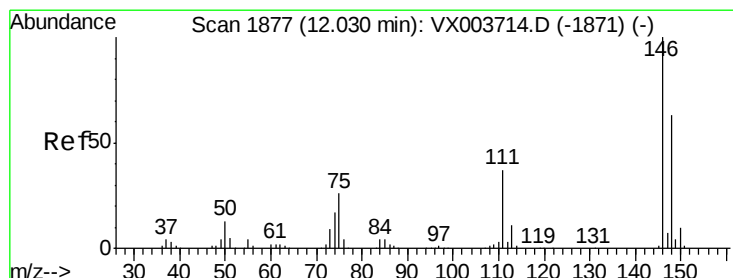
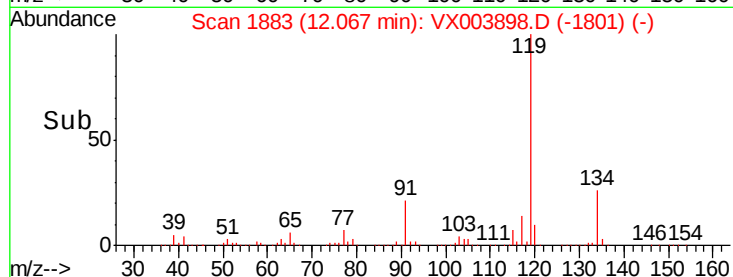
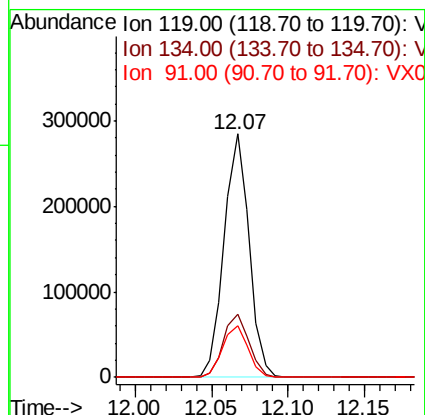
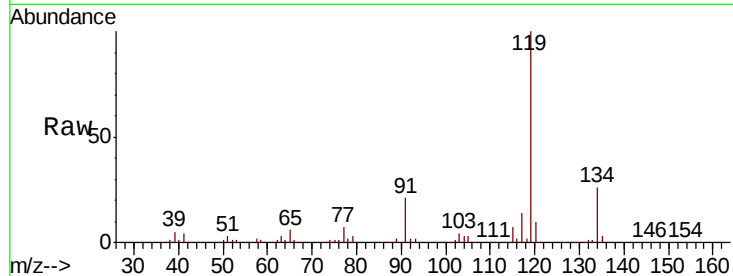




#82
 p-Isopropyltoluene
 Concen: 18.51 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

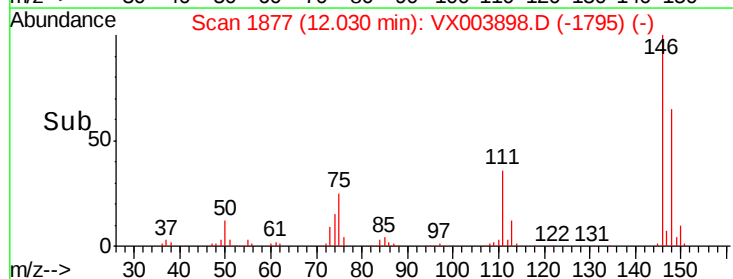
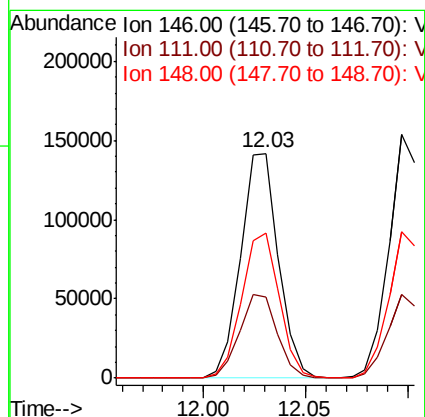
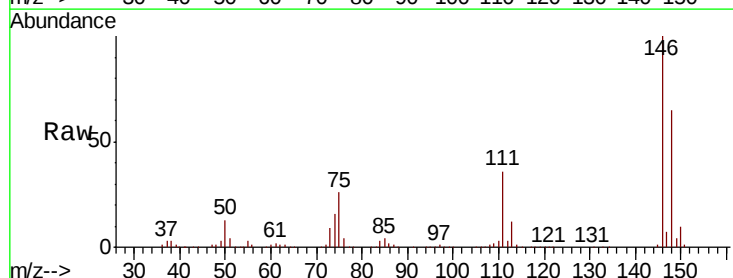
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD02

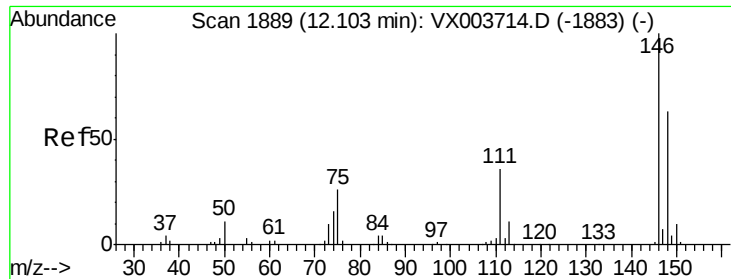
Tot Ion:119 Resp: 323291
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.6
 91 21.6 0.0 48.0



#83
 1,3-Dichlorobenzene
 Concen: 18.50 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

Tgt Ion:146 Resp: 182100
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.1 57.5
 148 64.4 31.9 95.7

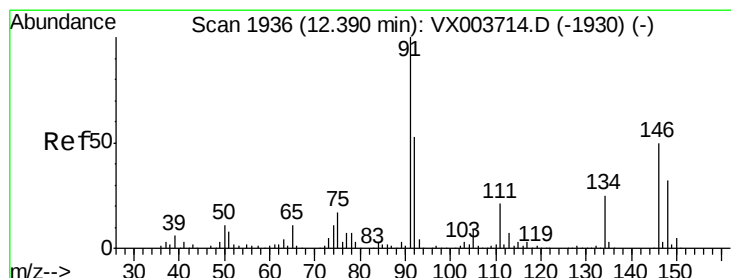
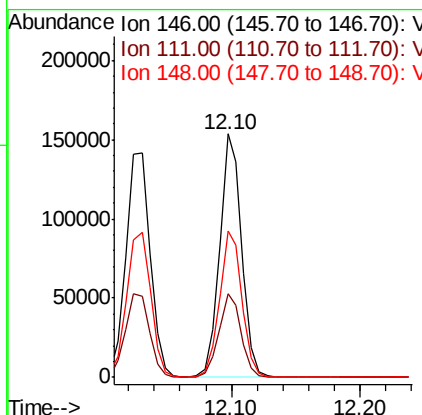
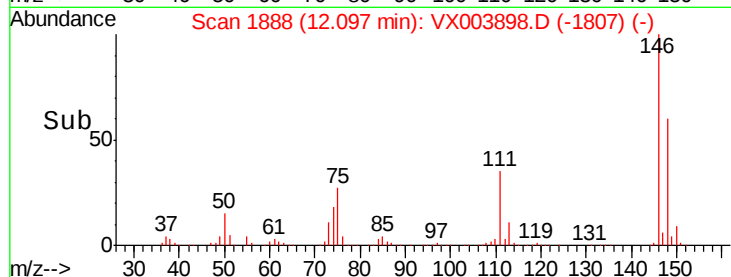
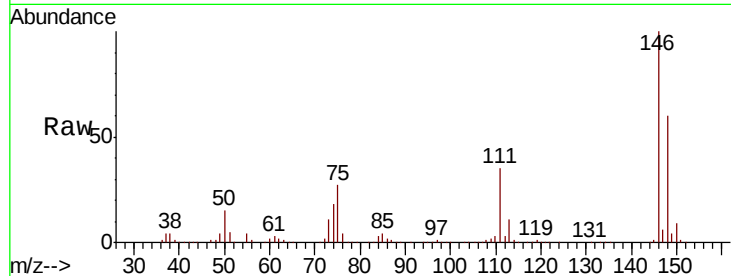




#84
 1,4-Dichlorobenzene
 Concen: 18.60 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

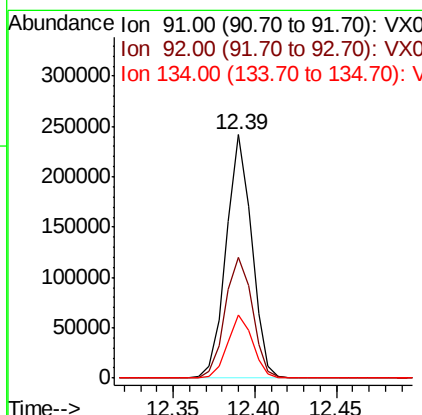
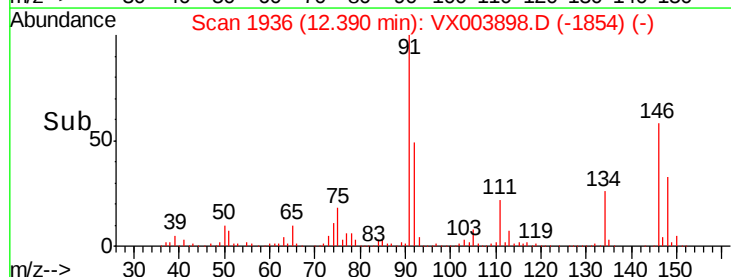
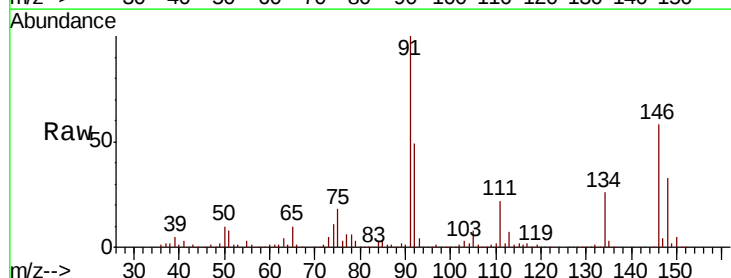
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD02

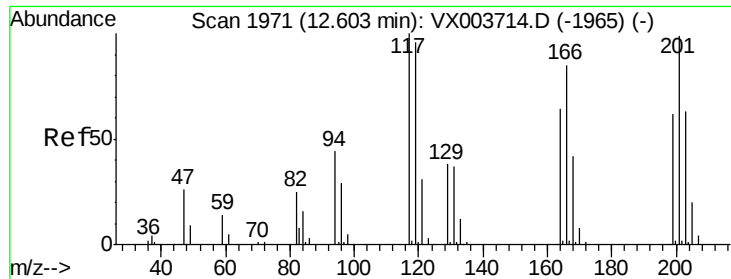
Tot Ion:146 Resp: 184380
 Ion Ratio Lower Upper
 146 100
 111 34.8 18.5 55.5
 148 60.8 32.0 96.0



#85
 n-Butylbenzene
 Concen: 16.98 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

Tgt Ion: 91 Resp: 263198
 Ion Ratio Lower Upper
 91 100
 92 53.1 0.0 105.2
 134 25.8 0.0 53.2





#86

Hexachloroethane

Concen: 16.22 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.01 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

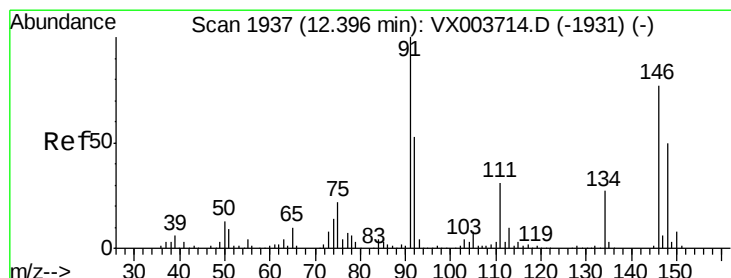
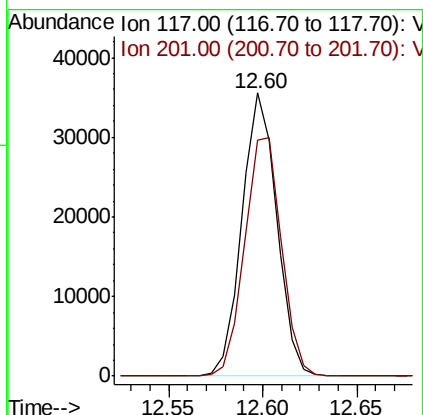
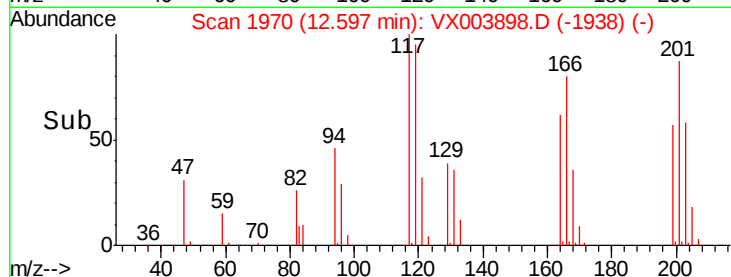
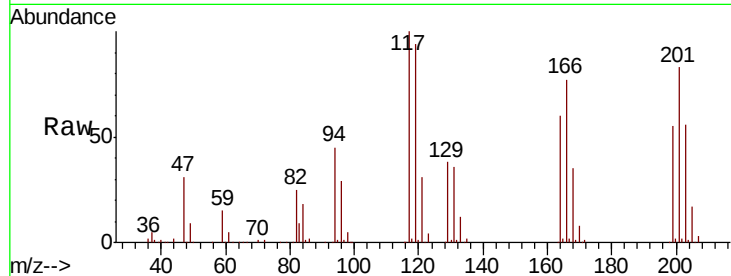
VX0807WBSD02

Tot Ion:117 Resp: 45642

Ion Ratio Lower Upper

117 100

201 89.0 47.6 142.8



#87

1,2-Dichlorobenzene

Concen: 18.14 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

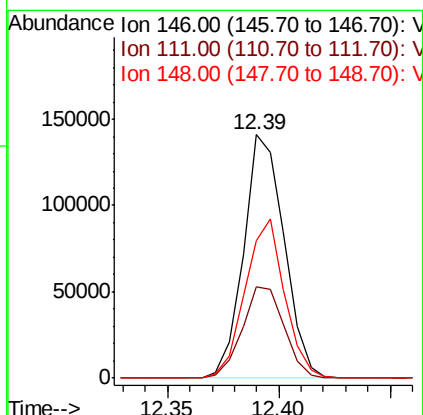
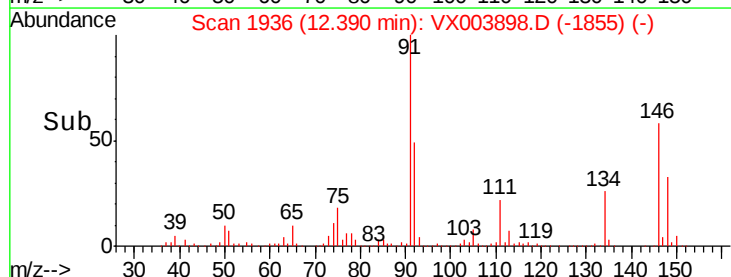
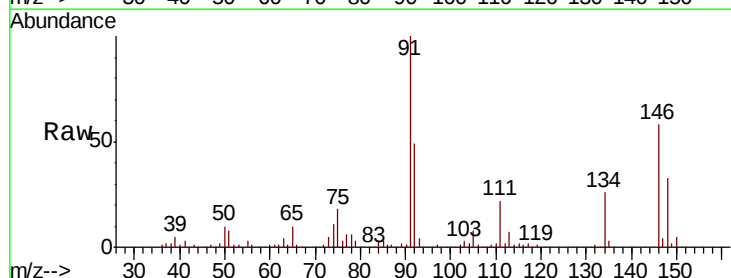
Tgt Ion:146 Resp: 179323

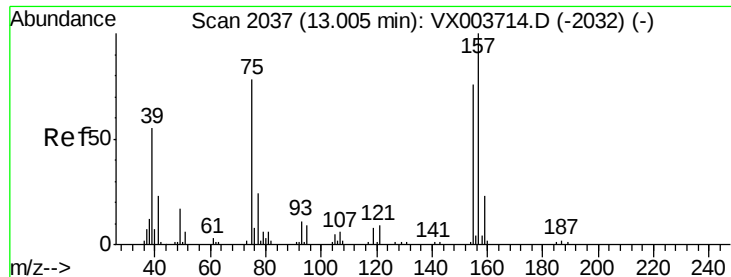
Ion Ratio Lower Upper

146 100

111 38.8 20.0 59.9

148 63.3 32.8 98.3

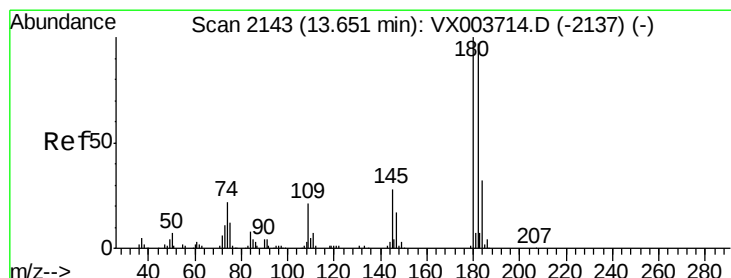
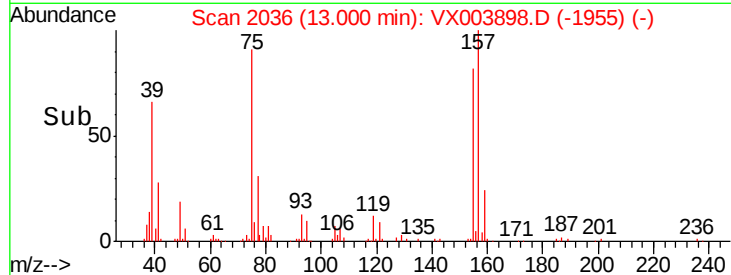
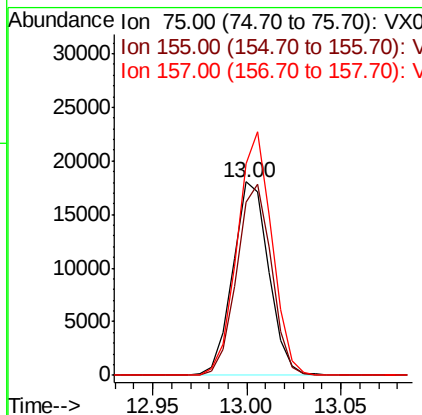
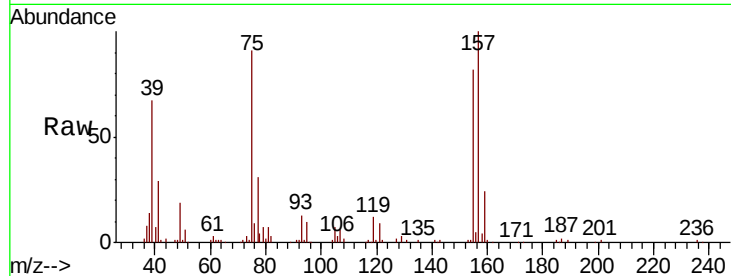




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.78 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

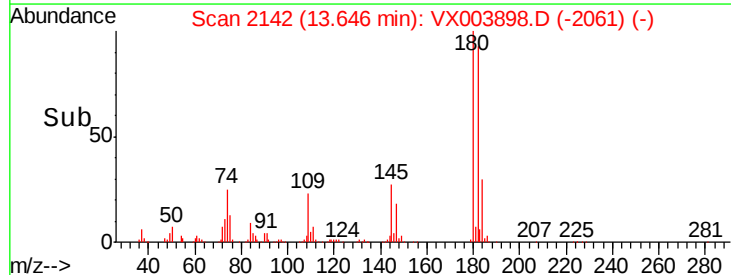
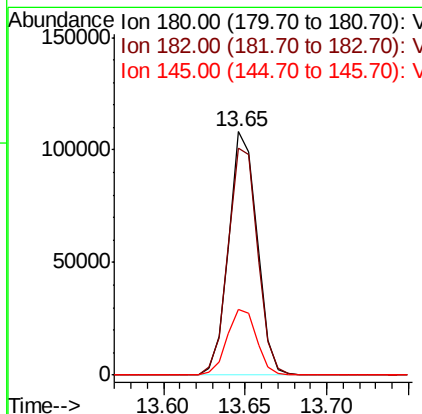
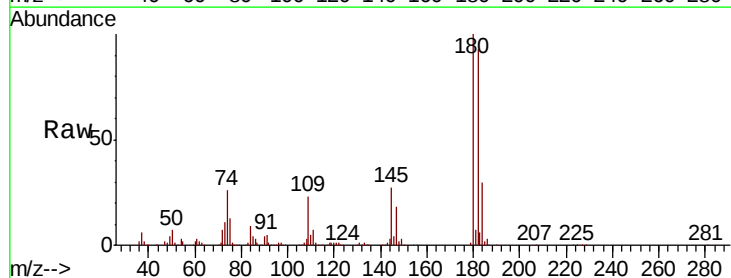
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD02

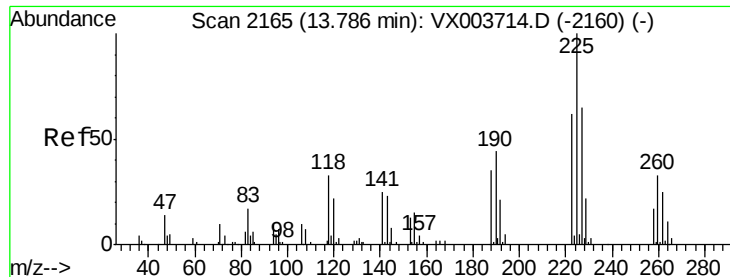
Tot Ion: 75 Resp: 23785
 Ion Ratio Lower Upper
 75 100
 155 95.8 73.1 109.7
 157 121.5 93.1 139.7



#89
 1,2,4-Trichlorobenzene
 Concen: 18.81 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

Tgt Ion: 180 Resp: 130535
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.4 114.6
 145 27.9 22.9 34.3





#90

Hexachlorobutadiene

Concen: 19.41 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

Instrument :

MSVOA_X

ClientSampleId :

VX0807WBSD02

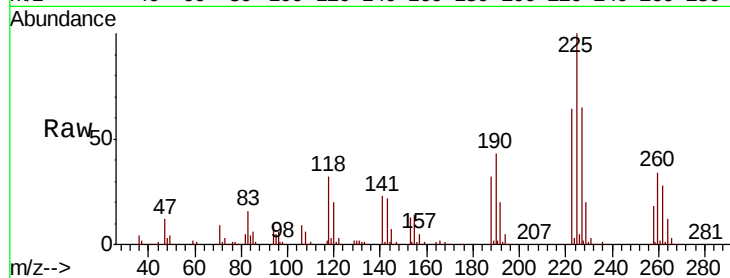
Tot Ion:225 Resp: 61041

Ion Ratio Lower Upper

225 100

223 62.6 0.0 122.4

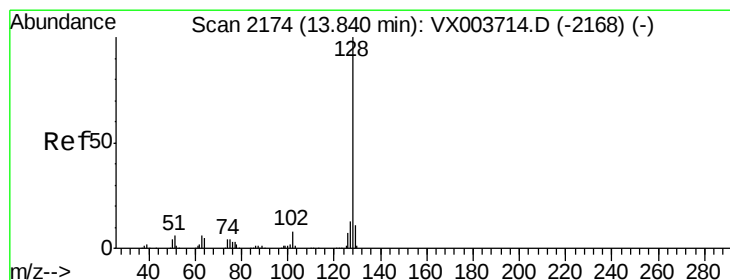
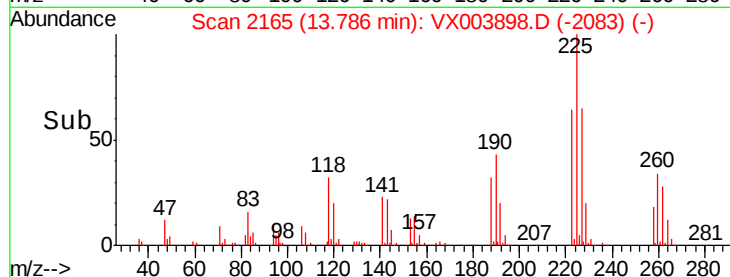
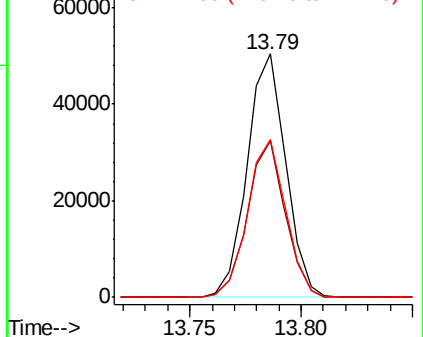
227 64.5 0.0 128.0



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 19.59 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003898.D

Acq: 08 Aug 2018 00:05

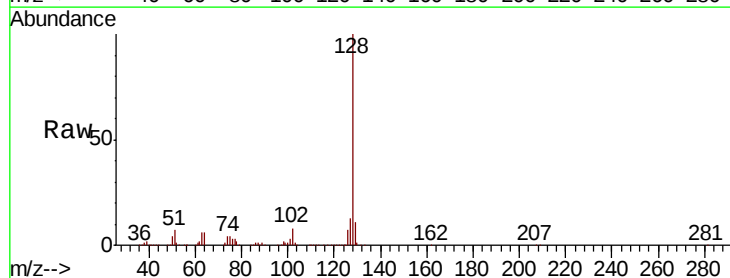
Tgt Ion:128 Resp: 415410

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

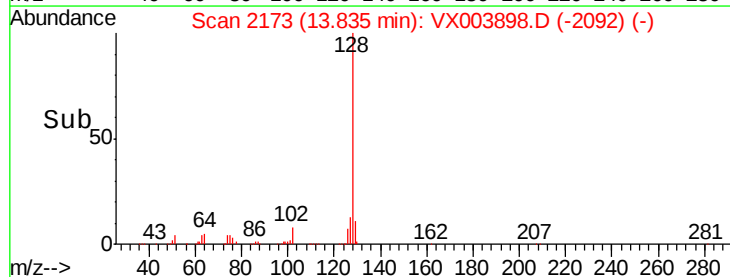
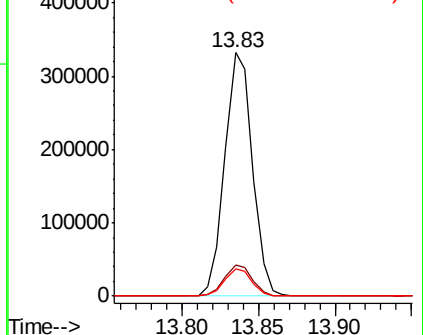
129 10.9 8.9 13.3

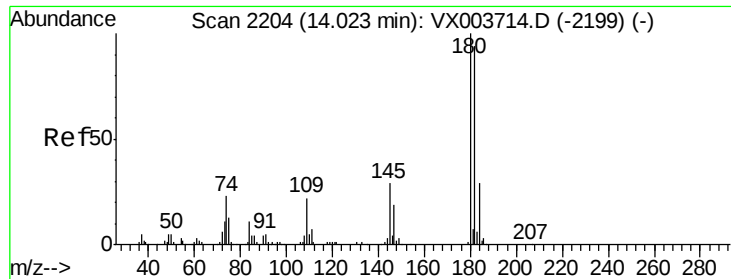


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

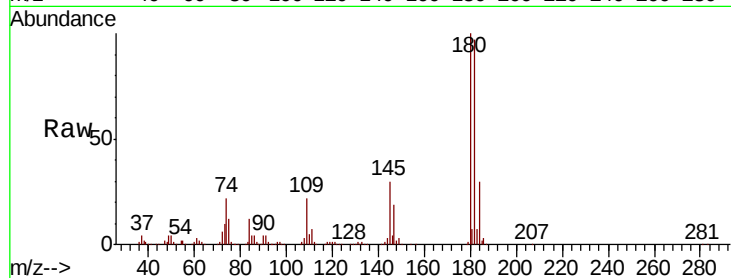




#92
 1,2,3-Trichlorobenzene
 Concen: 19.86 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX003898.D
 Acq: 08 Aug 2018 00:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	0.0	191.0
145	30.3	0.0	60.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

