

Data File : VW008768.D
Acq On : 21 Feb 2019 13:04
Operator : SY/VA
Sample : VSTDIC150
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Quant Time: Feb 22 00:25:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:19:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	306348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	455955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	434272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	248362	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	464183	161.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	323.10%	
35) Dibromofluoromethane	7.88	113	422333	154.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.54%	
50) Toluene-d8	10.32	98	1612283	152.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.12%	
62) 4-Bromofluorobenzene	12.62	95	632039	152.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	465154	151.600	ug/l	99
3) Chloromethane	2.21	50	564521	151.145	ug/l	99
4) Vinyl Chloride	2.35	62	665045	168.174	ug/l	100
5) Bromomethane	2.73	94	449712	153.108	ug/l	99
6) Chloroethane	2.90	64	412716	146.974	ug/l	99
7) Trichlorofluoromethane	3.24	101	787634	157.482	ug/l	97
8) Diethyl Ether	3.68	74	245339	154.943	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	480674	158.263	ug/l	100
10) Methyl Iodide	4.27	142	631556	166.289	ug/l	99
11) Tert butyl alcohol	5.17	59	197202	790.244	ug/l	98
12) 1,1-Dichloroethene	4.03	96	426659	159.067	ug/l	97
13) Acrolein	3.89	56	215953	892.758	ug/l	100
14) Allyl chloride	4.67	41	759425	164.045	ug/l	98
15) Acrylonitrile	5.37	53	541303	796.563	ug/l	99
16) Acetone	4.12	43	514945	773.191	ug/l	97
17) Carbon Disulfide	4.37	76	1443873	162.243	ug/l	98
18) Methyl Acetate	4.67	43	239604	151.679	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	1146435	157.909	ug/l	99
20) Methylene Chloride	4.92	84	459269	116.962	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	482477	155.502	ug/l	97
22) Diisopropyl ether	6.31	45	1463039	158.427	ug/l	98
23) Vinyl Acetate	6.26	43	4794481	840.288	ug/l	99
24) 1,1-Dichloroethane	6.21	63	843595	157.642	ug/l	100
25) 2-Butanone	7.17	43	762157	818.545	ug/l	98
26) 2,2-Dichloropropane	7.16	77	766306	157.730	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	522837	157.531	ug/l	99
28) Bromochloromethane	7.51	49	351570	156.996	ug/l	97
29) Tetrahydrofuran	7.52	42	498275	839.736	ug/l	99
30) Chloroform	7.68	83	851895	155.177	ug/l	100
31) Cyclohexane	7.95	56	796394	147.023	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	792353	158.710	ug/l	99
36) 1,1-Dichloropropene	8.08	75	668496	150.615	ug/l	99
37) Ethyl Acetate	7.25	43	327373	158.613	ug/l	98
38) Carbon Tetrachloride	8.07	117	718702	153.544	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	864177	156.097	ug/l	99
40) Benzene	8.32	78	1775229	146.491	ug/l	99
41) Methacrylonitrile	7.48	41	197064	162.431	ug/l	93
42) 1,2-Dichloroethane	8.40	62	585516	152.526	ug/l	100
43) Isopropyl Acetate	8.43	43	653932	158.748	ug/l	98
44) Trichloroethene	9.09	130	504028	147.643	ug/l	100
45) 1,2-Dichloropropane	9.37	63	441449	147.415	ug/l	97
46) Dibromomethane	9.46	93	253742	152.332	ug/l	97
47) Bromodichloromethane	9.65	83	631164	155.738	ug/l	99
48) Methyl methacrylate	9.43	41	325799	165.137	ug/l	96
49) 1,4-Dioxane	9.45	88	82340	3086.801	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1692398	809.234	ug/l	100
52) Toluene	10.39	92	1224104	148.838	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	658081	159.312	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	732914	155.567	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	338175	149.703	ug/l	97
56) Ethyl methacrylate	10.65	69	478559	163.059	ug/l	97
57) 1,3-Dichloropropane	10.93	76	595542	149.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1143611	774.760	ug/l	98
59) 2-Hexanone	10.97	43	1228835	825.432	ug/l	100
60) Dibromochloromethane	11.13	129	426365	154.742	ug/l	99
61) 1,2-Dibromoethane	11.23	107	333539	149.166	ug/l	100
64) Tetrachloroethene	10.86	164	456126	146.731	ug/l	97
65) Chlorobenzene	11.66	112	1333999	146.088	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	472938	153.174	ug/l	99
67) Ethyl Benzene	11.73	91	2495676	152.884	ug/l	99
68) m/p-Xylenes	11.84	106	1974977	302.805	ug/l	99
69) o-Xylene	12.16	106	942973	154.034	ug/l	98
70) Styrene	12.18	104	1579477	160.368	ug/l	99
71) Bromoform	12.35	173	271984	163.879	ug/l #	100
73) Isopropylbenzene	12.46	105	2621553	153.971	ug/l	100
74) N-amyl acetate	12.27	43	722377	168.434	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	422549	151.886	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	597593	278.113	ug/l #	100
77) Bromobenzene	12.75	156	577040	143.418	ug/l	96
78) n-propylbenzene	12.80	91	3213877	154.313	ug/l	99
79) 2-Chlorotoluene	12.90	91	1766470	149.388	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2313972	156.390	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	142767	169.260	ug/l	98
82) 4-Chlorotoluene	12.99	91	1895272	152.098	ug/l	99
83) tert-Butylbenzene	13.21	119	1954266	152.753	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2409679	157.327	ug/l	99
85) sec-Butylbenzene	13.38	105	2873043	156.177	ug/l	99
86) p-Isopropyltoluene	13.50	119	2744878	162.763	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1270407	152.185	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1204099	146.352	ug/l	99
89) n-Butylbenzene	13.83	91	2555177	161.728	ug/l	99
90) Hexachloroethane	14.10	117	446501	161.731	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1087792	146.247	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	78051	155.093	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW022119\
Quantitation Report (Not Reviewed)

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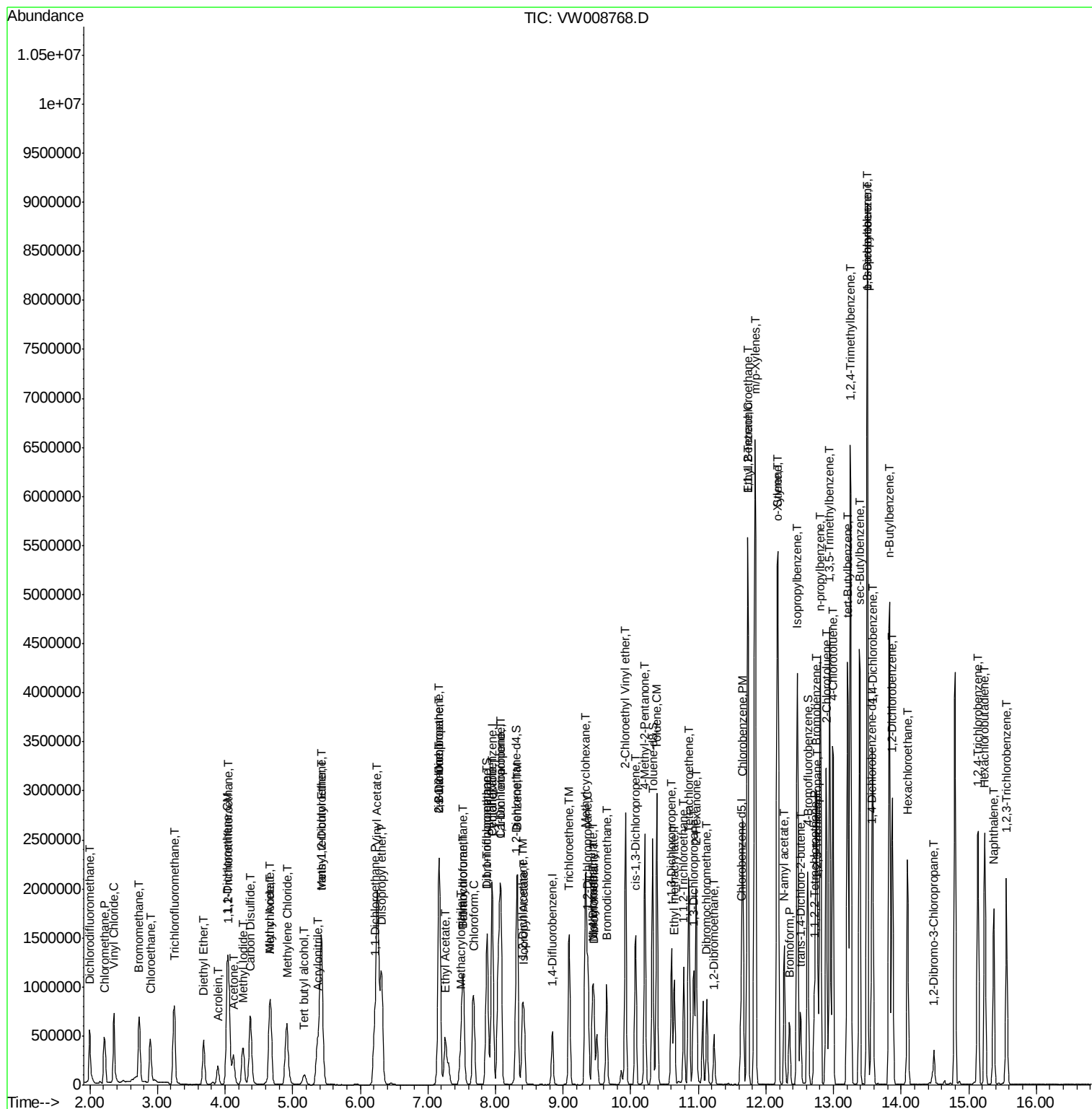
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	808992	150.953	ug/l	98
94) Hexachlorobutadiene	15.24	225	475232	150.544	ug/l	100
95) Naphthalene	15.37	128	1468487	160.935	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	689775	148.860	ug/l	99

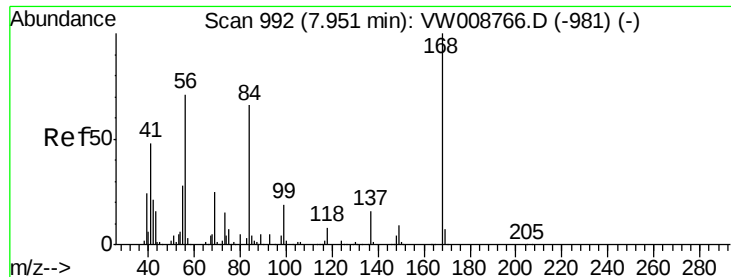
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW008768.D
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Misc : 5.00G/5ML/MSVOA_W/SOIL
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Instrument :
MSVOA_W
Client Sample Id :
VSTDIC150

Quant Time: Feb 22 00:25:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

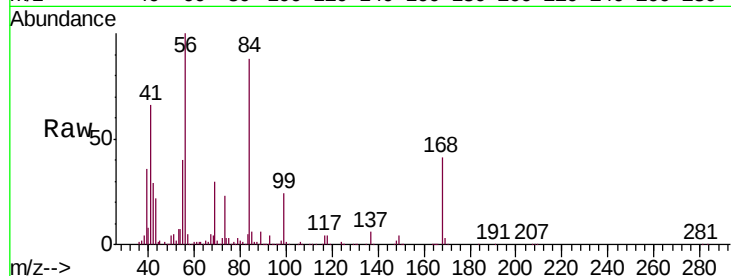
VSTDIC150

Tgt Ion:168 Resp: 306348

Ion Ratio Lower Upper

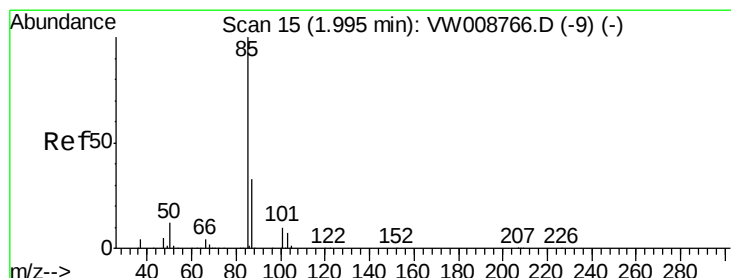
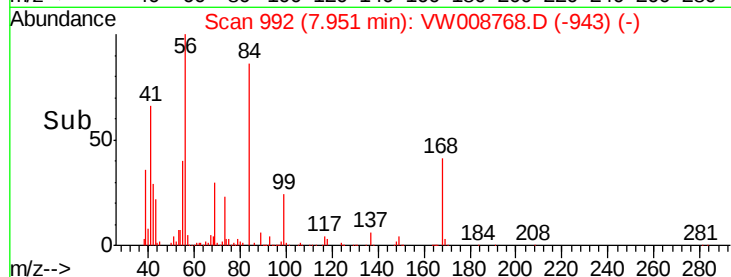
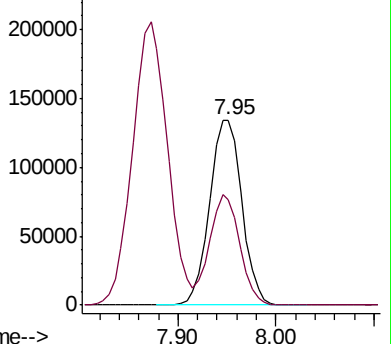
168 100

99 57.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 151.600 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008768.D

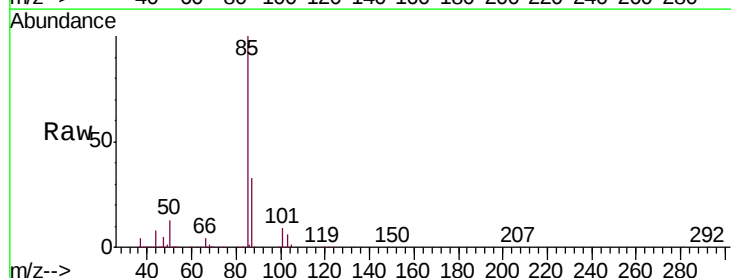
Acq: 21 Feb 2019 13:04

Tgt Ion: 85 Resp: 465154

Ion Ratio Lower Upper

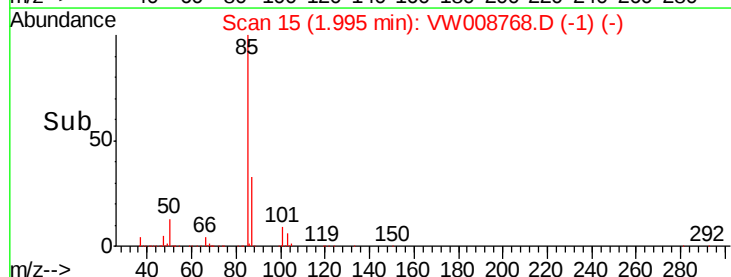
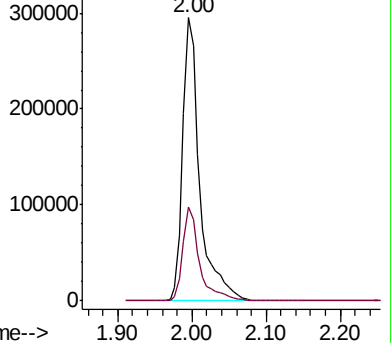
85 100

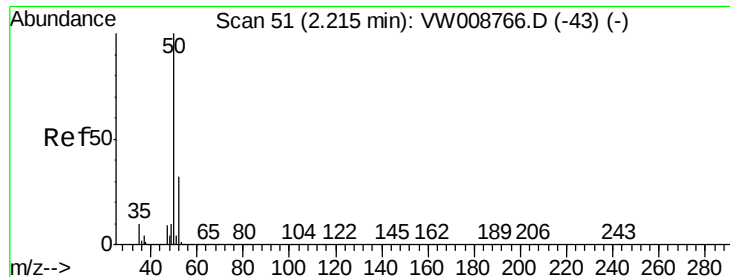
87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 151.145 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

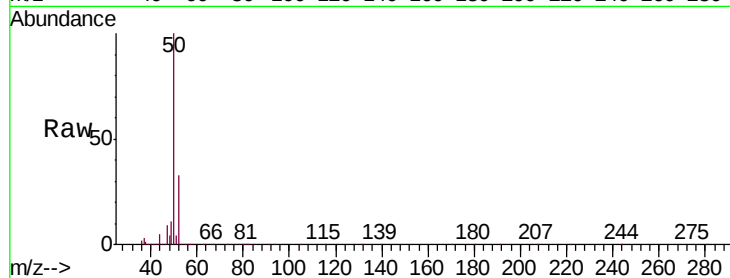
VSTDIC150

Tgt Ion: 50 Resp: 564521

Ion Ratio Lower Upper

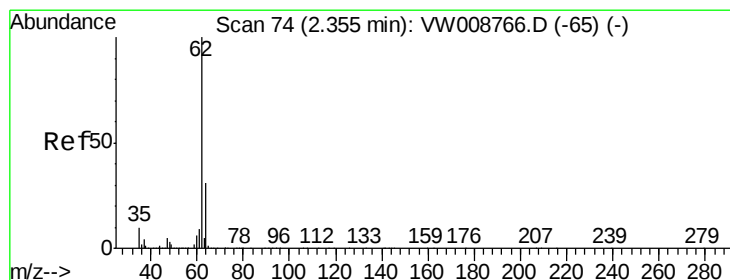
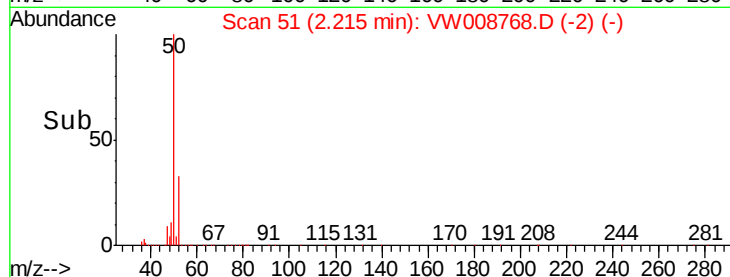
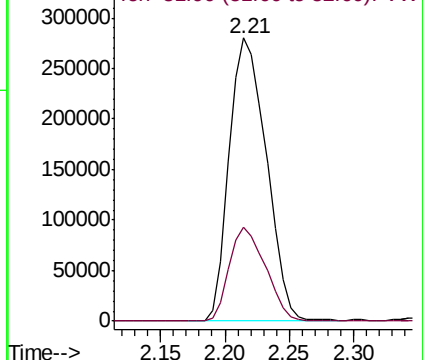
50 100

52 33.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 168.174 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008768.D

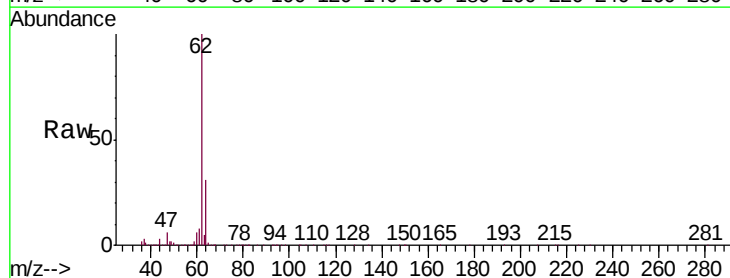
Acq: 21 Feb 2019 13:04

Tgt Ion: 62 Resp: 665045

Ion Ratio Lower Upper

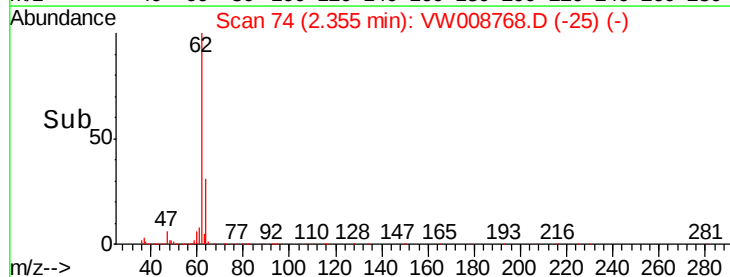
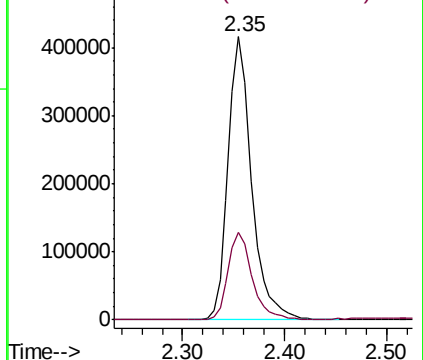
62 100

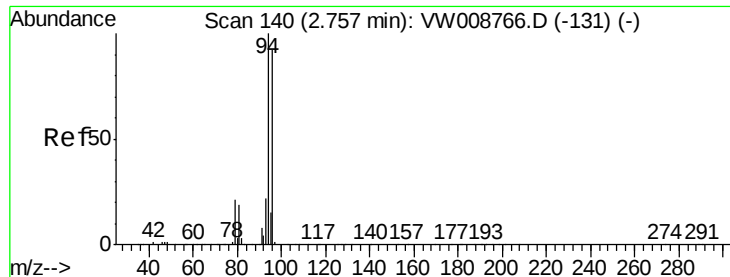
64 31.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 153.108 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.02 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

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ClientSampleId :

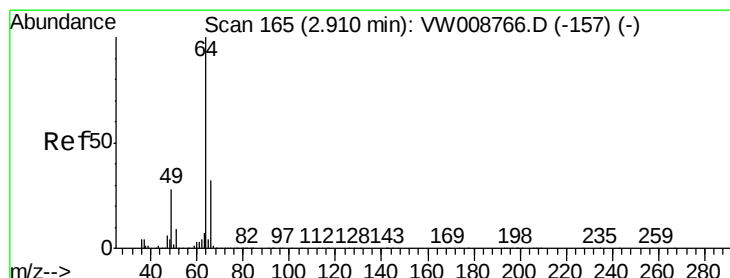
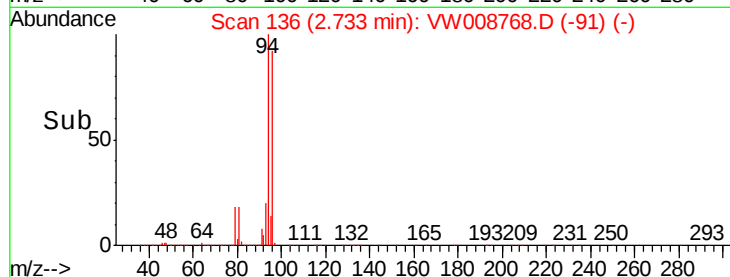
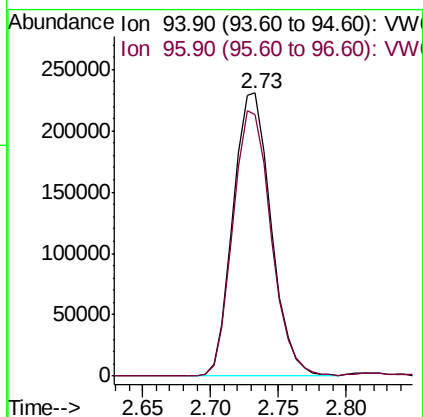
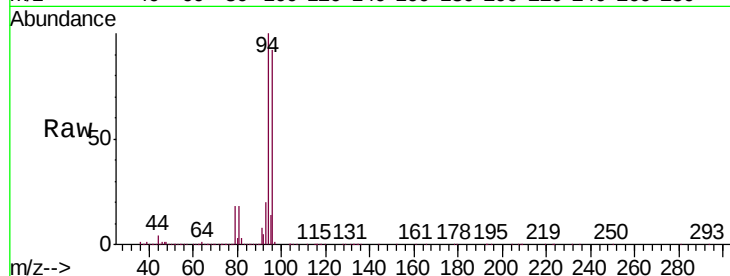
VSTDIC150

Tgt Ion: 94 Resp: 449712

Ion Ratio Lower Upper

94 100

96 92.4 73.4 110.2



#6

Chloroethane

Concen: 146.974 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW008768.D

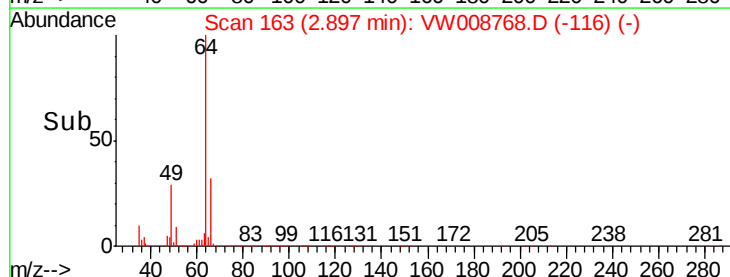
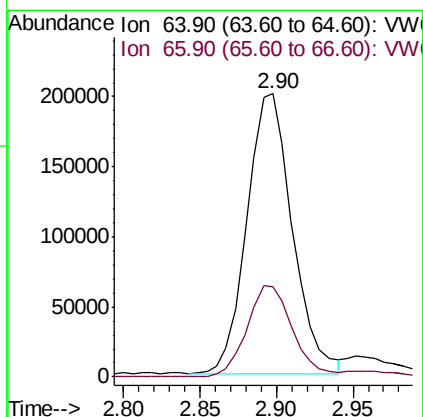
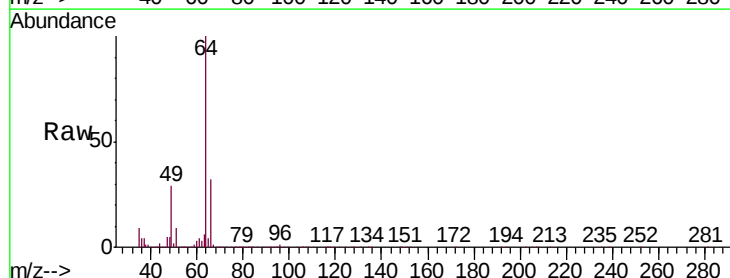
Acq: 21 Feb 2019 13:04

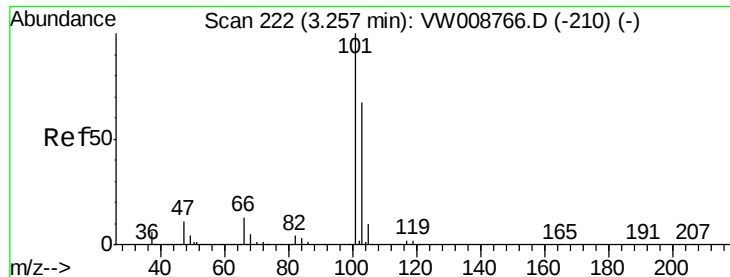
Tgt Ion: 64 Resp: 412716

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3



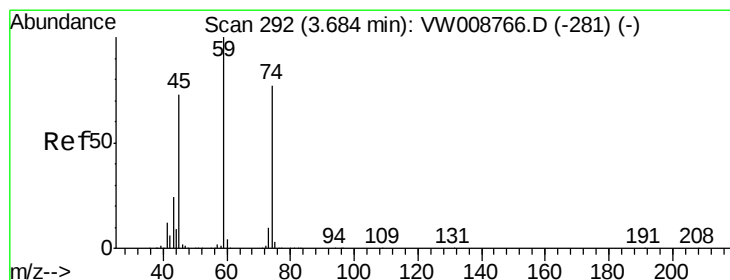
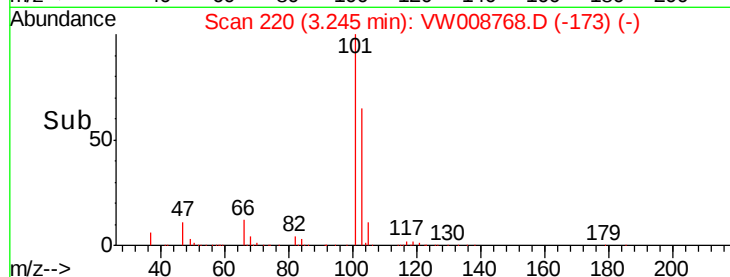
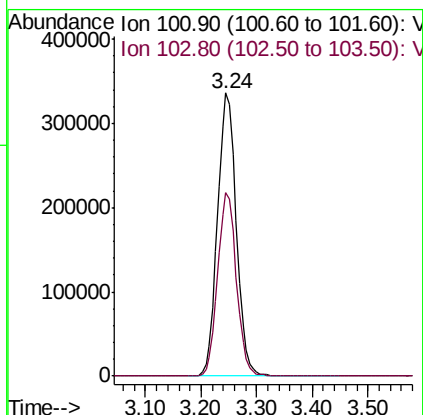
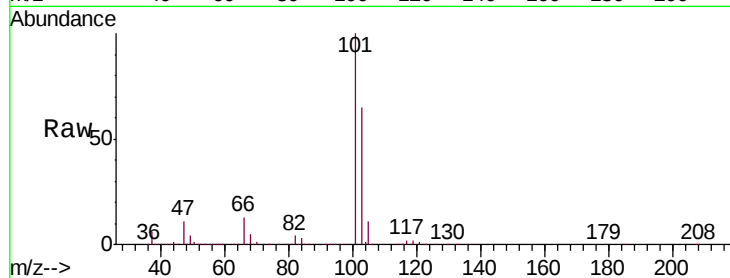


#7

Trichlorofluoromethane
 Concen: 157.482 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Instrument :
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 VSTDIC150

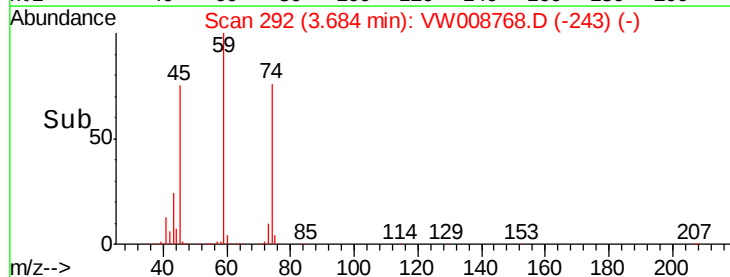
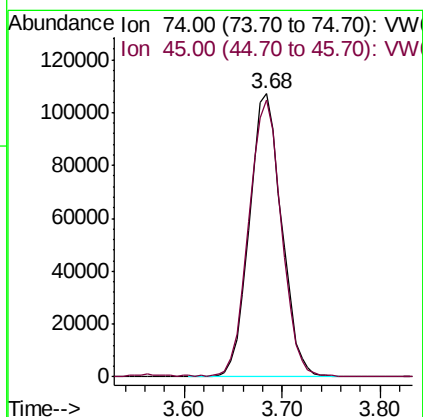
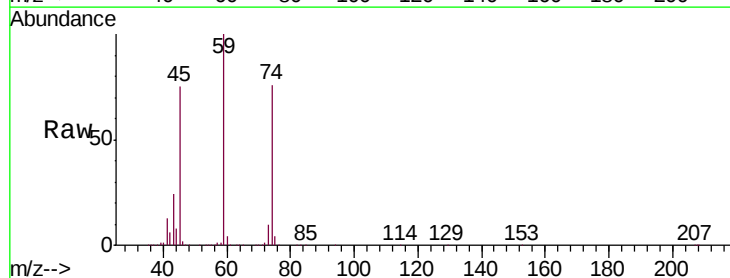
Tgt Ion:101 Resp: 787634
 Ion Ratio Lower Upper
 101 100
 103 64.9 53.9 80.9



#8

Diethyl Ether
 Concen: 154.943 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion: 74 Resp: 245339
 Ion Ratio Lower Upper
 74 100
 45 97.9 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 158.263 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

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ClientSampleId :

VSTDIC150

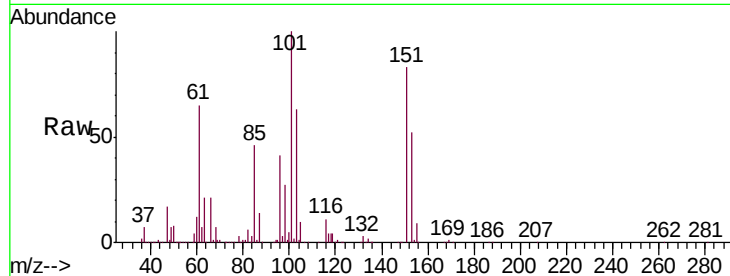
Tgt Ion:101 Resp: 480674

Ion Ratio Lower Upper

101 100

85 45.3 36.0 54.0

151 81.6 65.5 98.3

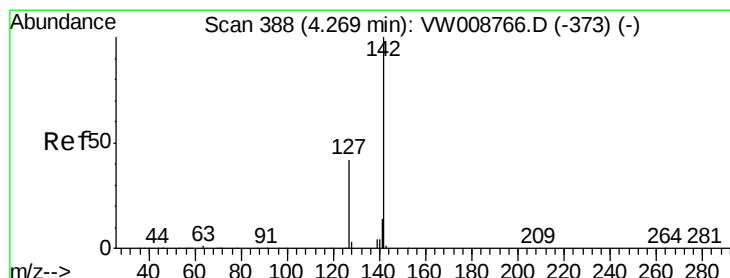
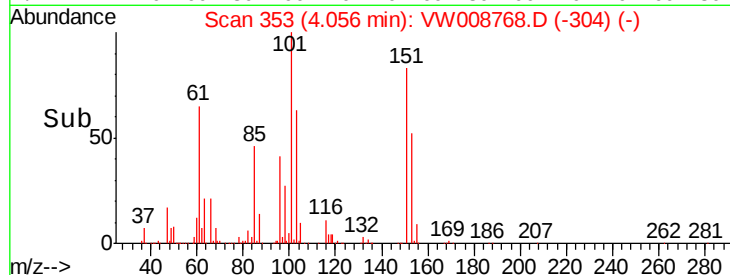
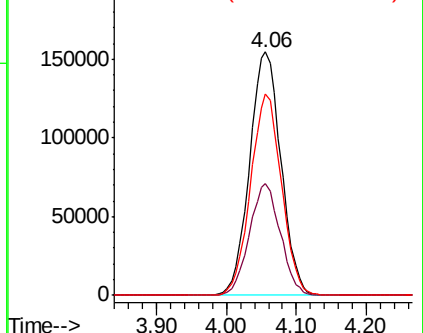


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 166.289 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

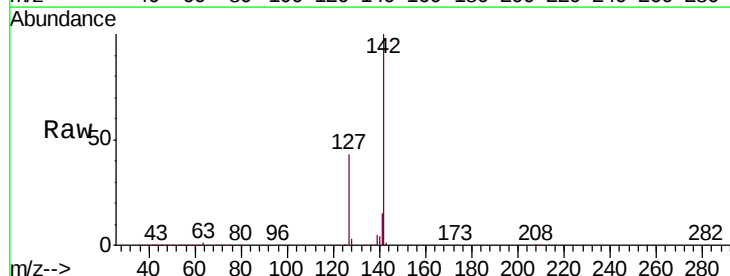
Tgt Ion:142 Resp: 631556

Ion Ratio Lower Upper

142 100

127 43.6 35.3 52.9

141 15.0 11.7 17.5

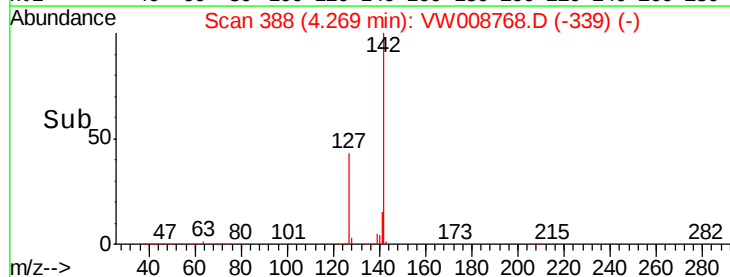
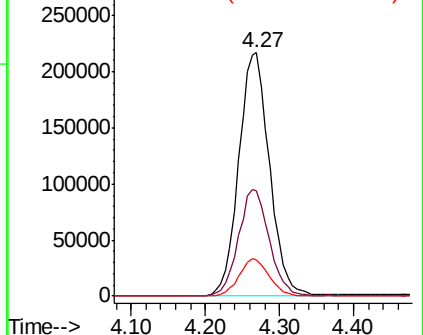


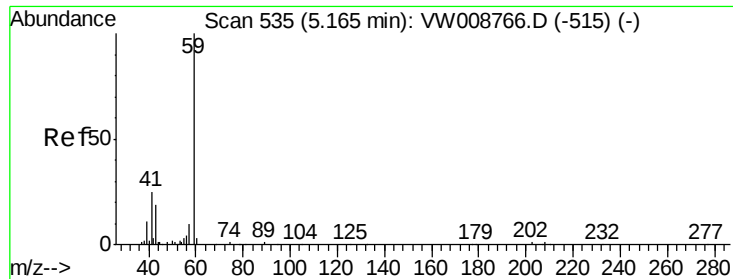
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

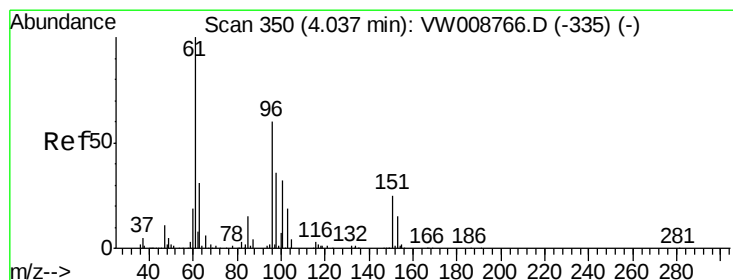
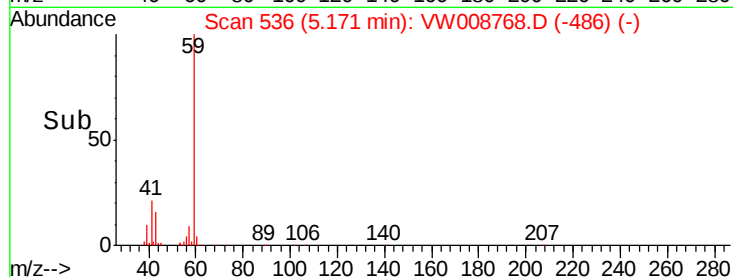
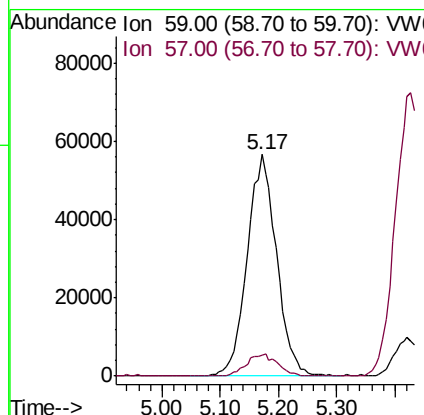
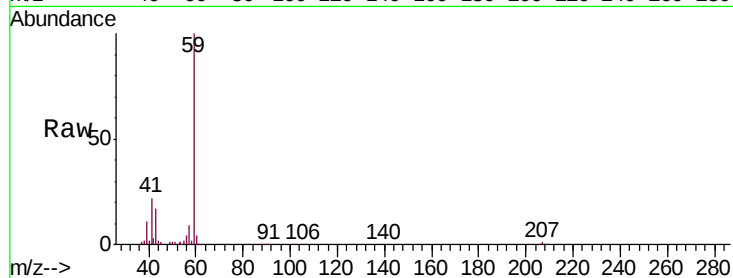




#11
Tert butyl alcohol
Concen: 790.244 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

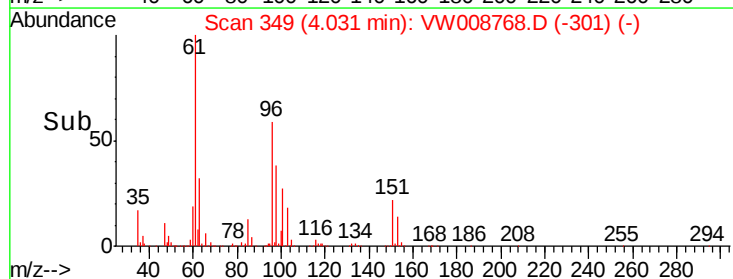
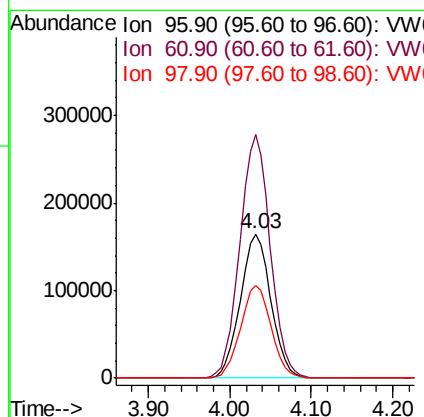
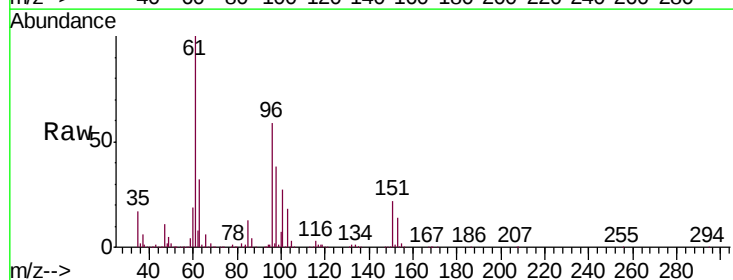
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

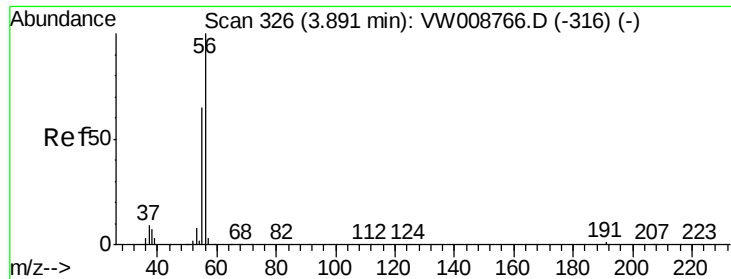
Tgt Ion: 59 Resp: 197202
Ion Ratio Lower Upper
59 100
57 10.7 9.3 13.9



#12
1,1-Dichloroethene
Concen: 159.067 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion: 96 Resp: 426659
Ion Ratio Lower Upper
96 100
61 169.2 132.5 198.7
98 64.0 48.2 72.4





#13

Acrolein

Concen: 892.758 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

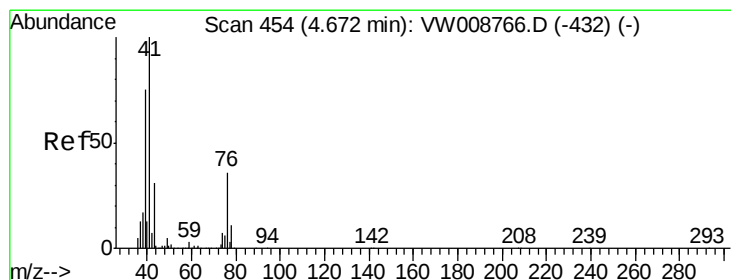
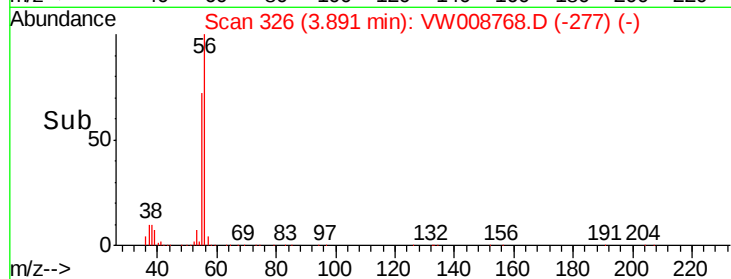
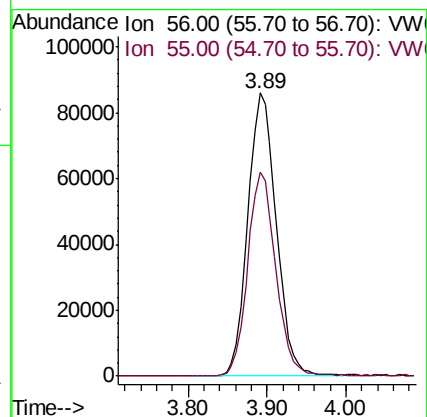
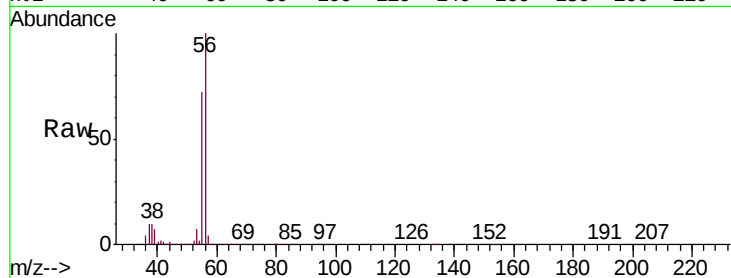
VSTDIC150

Tgt Ion: 56 Resp: 215953

Ion Ratio Lower Upper

56 100

55 71.3 56.9 85.3



#14

Allyl chloride

Concen: 164.045 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

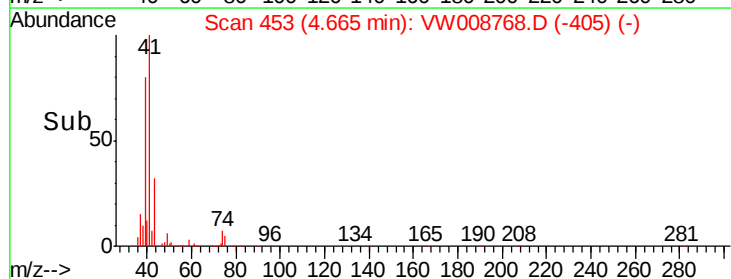
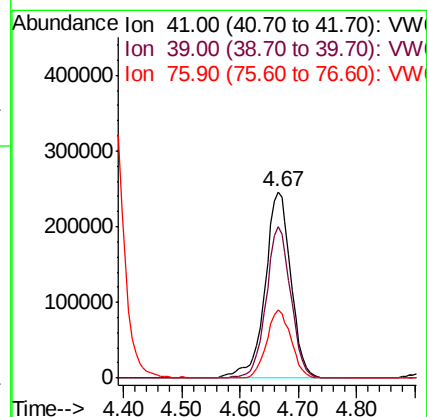
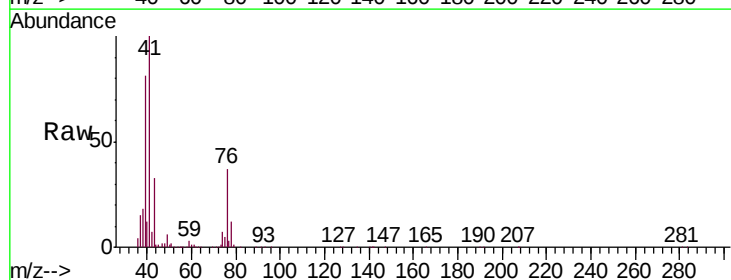
Tgt Ion: 41 Resp: 759425

Ion Ratio Lower Upper

41 100

39 77.8 60.6 91.0

76 34.6 28.6 42.8





#15

Acrylonitrile

Concen: 796.563 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

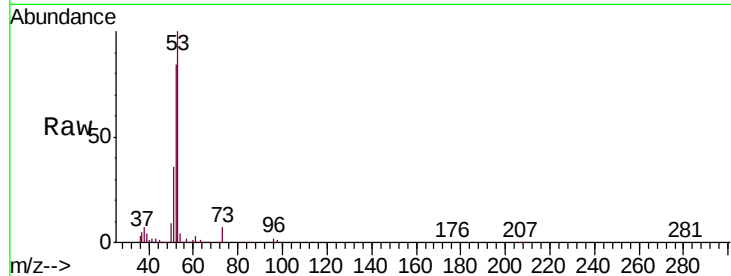
Tgt Ion: 53 Resp: 541303

Ion Ratio Lower Upper

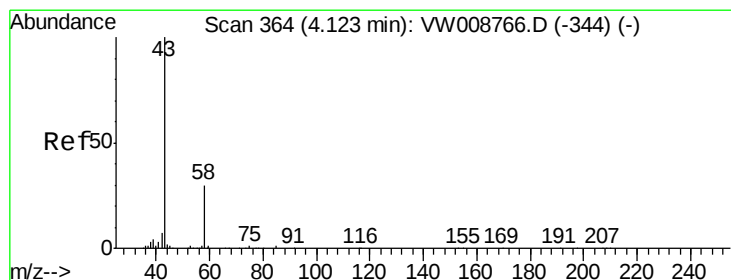
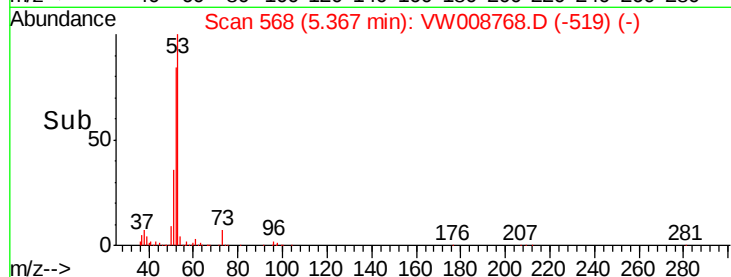
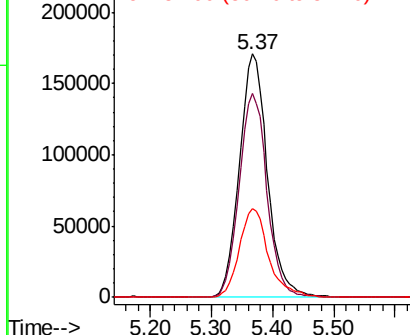
53 100

52 83.0 67.2 100.8

51 38.2 31.1 46.7



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 773.191 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW008768.D

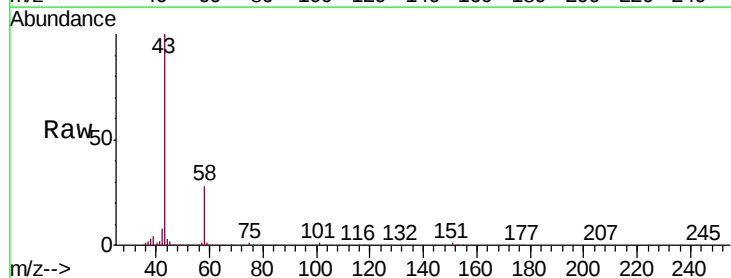
Acq: 21 Feb 2019 13:04

Tgt Ion: 43 Resp: 514945

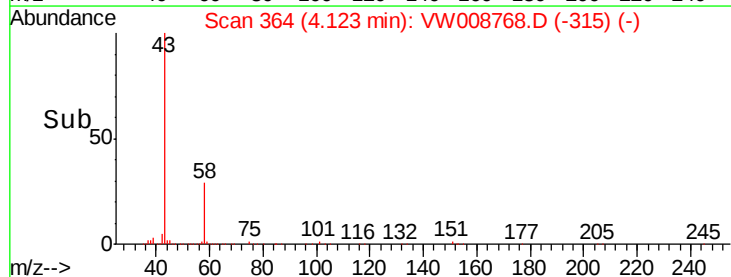
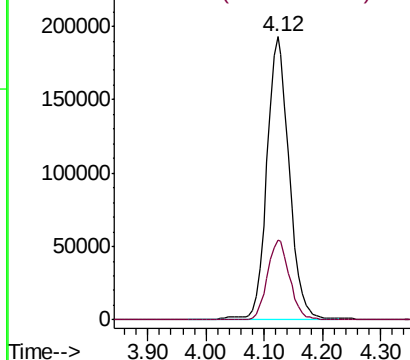
Ion Ratio Lower Upper

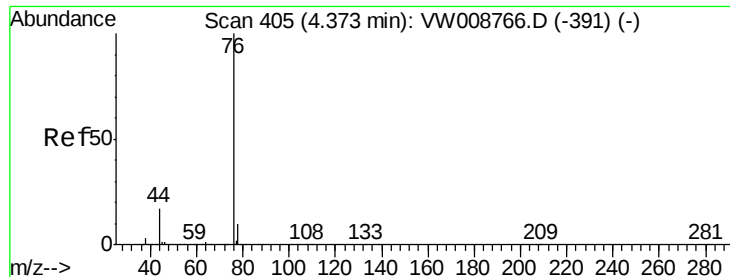
43 100

58 28.3 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 162.243 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

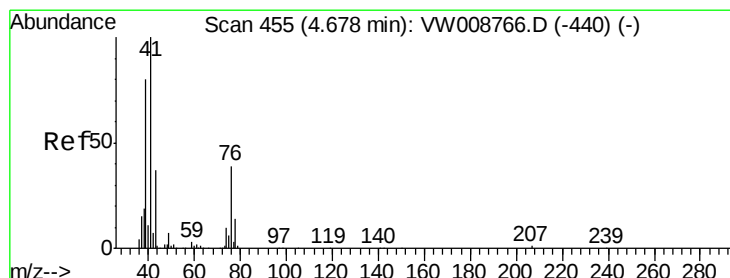
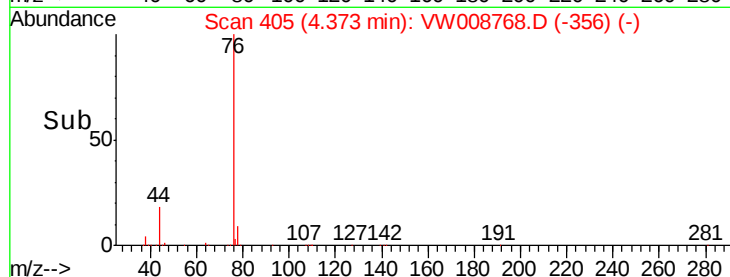
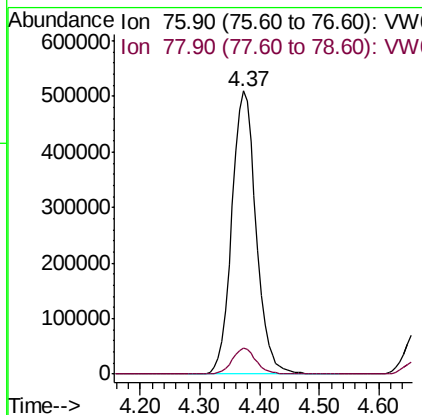
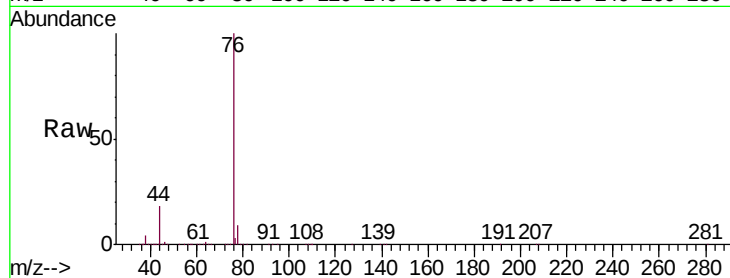
VSTDIC150

Tgt Ion: 76 Resp: 1443873

Ion Ratio Lower Upper

76 100

78 9.2 7.8 11.8



#18

Methyl Acetate

Concen: 151.679 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008768.D

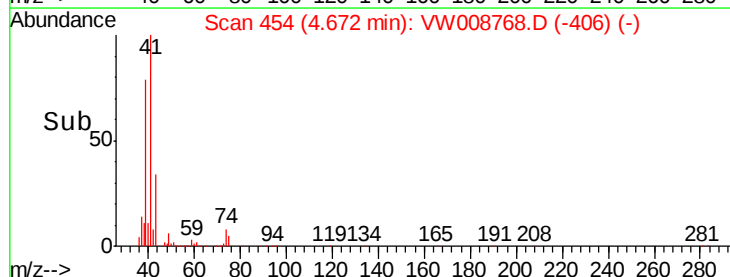
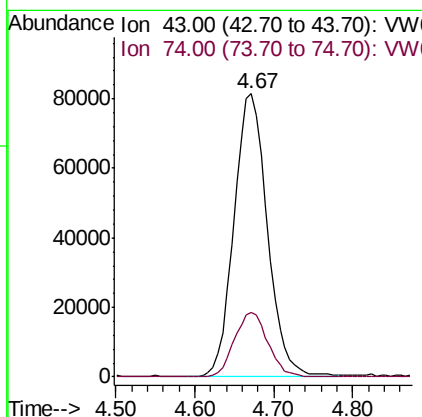
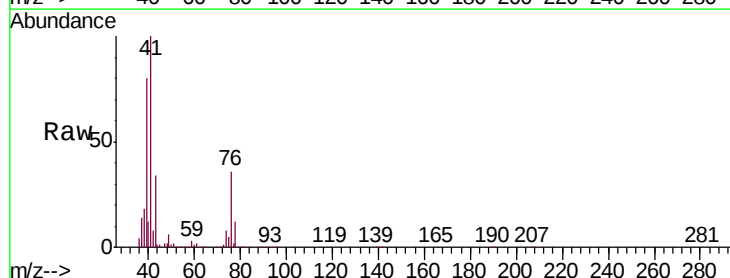
Acq: 21 Feb 2019 13:04

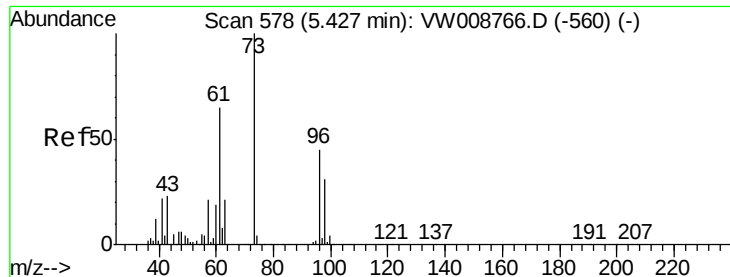
Tgt Ion: 43 Resp: 239604

Ion Ratio Lower Upper

43 100

74 22.9 19.4 29.2



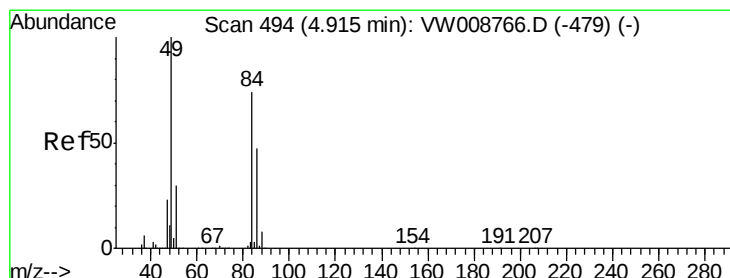
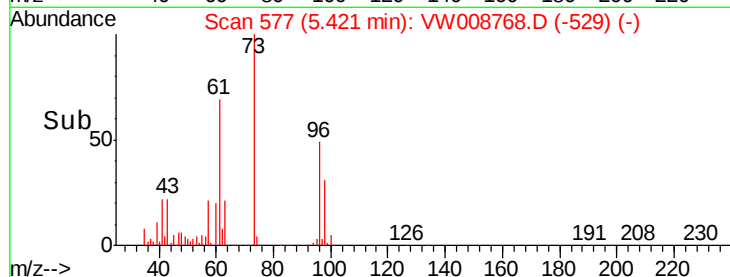
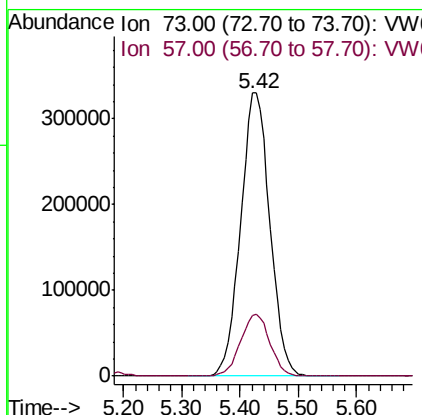
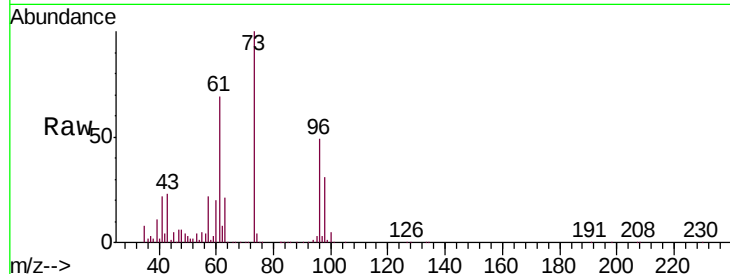


#19

Methyl tert-butyl Ether
 Concen: 157.909 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

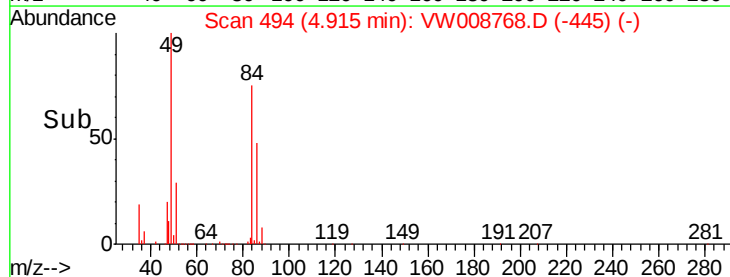
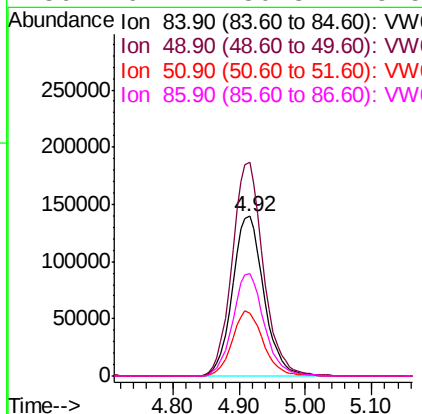
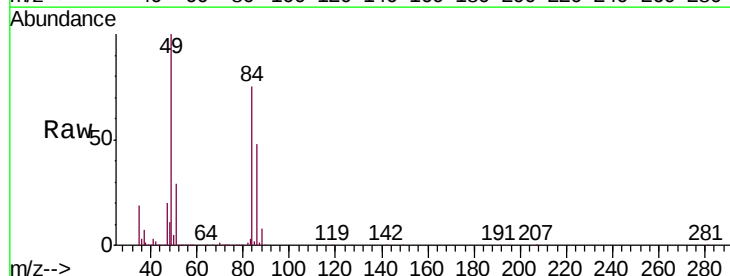
Tgt Ion: 73 Resp: 1146435
 Ion Ratio Lower Upper
 73 100
 57 21.7 16.8 25.2

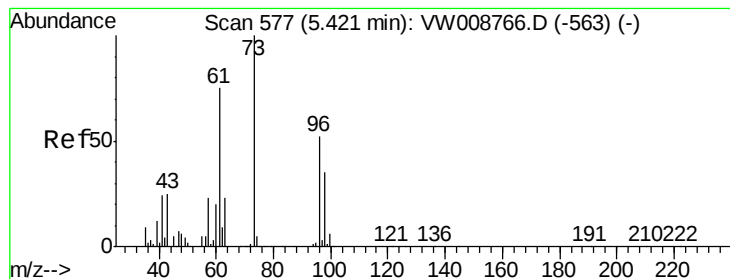


#20

Methylene Chloride
 Concen: 116.962 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion: 84 Resp: 459269
 Ion Ratio Lower Upper
 84 100
 49 133.9 108.2 162.2
 51 39.0 32.7 49.1
 86 64.2 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 155.502 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

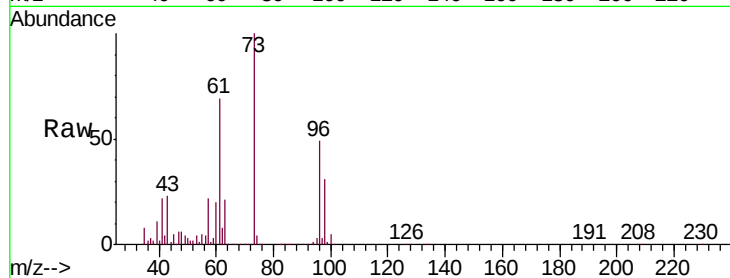
Tgt Ion: 96 Resp: 482477

Ion Ratio Lower Upper

96 100

61 140.4 114.6 171.8

98 63.4 54.0 81.0

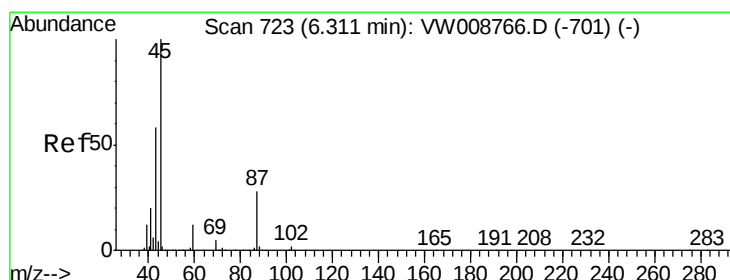
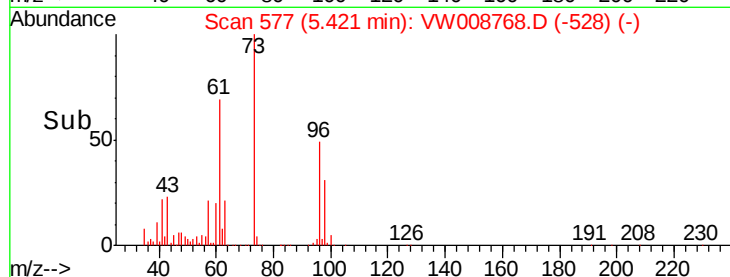
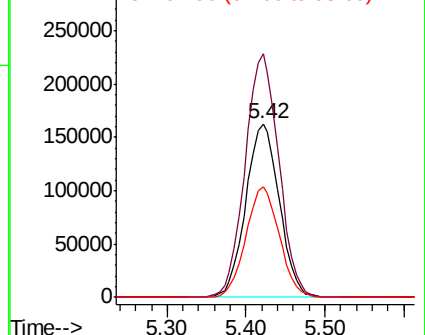


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 158.427 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Tgt Ion: 45 Resp: 1463039

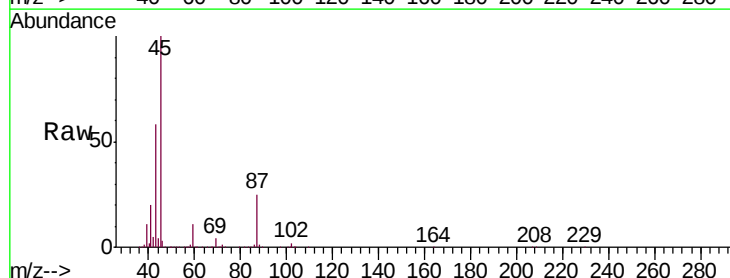
Ion Ratio Lower Upper

45 100

43 57.5 46.1 69.1

87 25.4 22.2 33.4

59 10.7 10.0 15.0



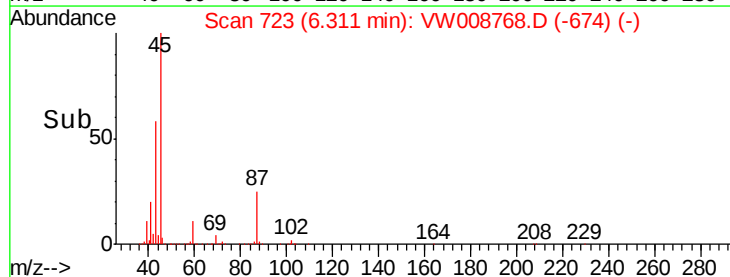
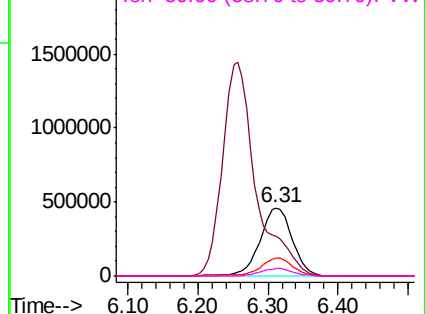
Abundance

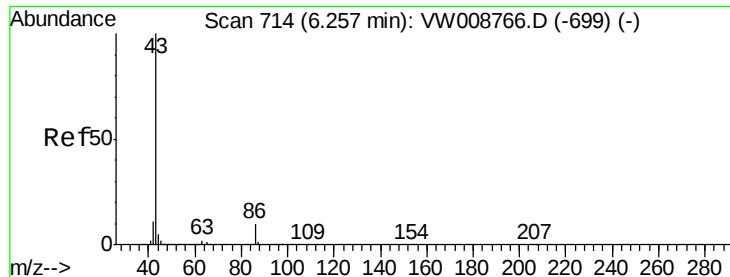
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 840.288 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

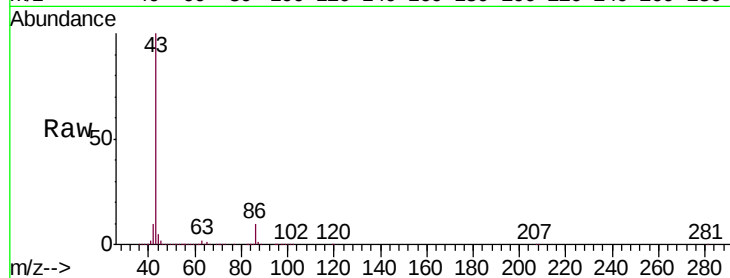
VSTDIC150

Tgt Ion: 43 Resp: 4794481

Ion Ratio Lower Upper

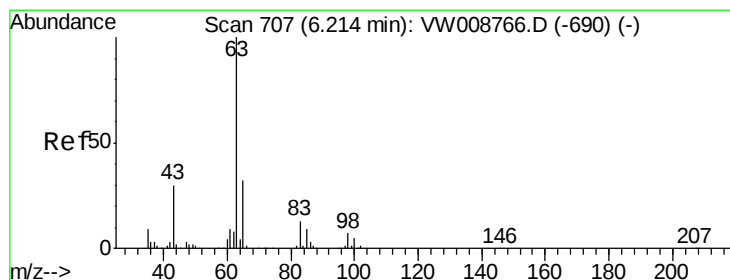
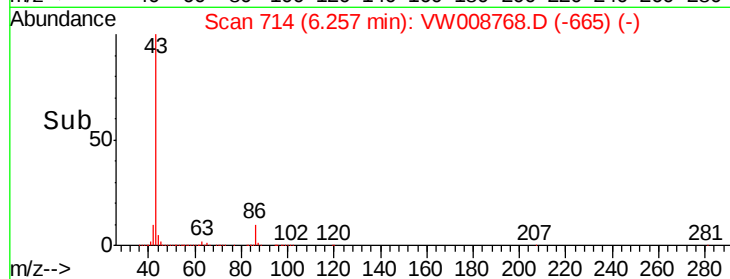
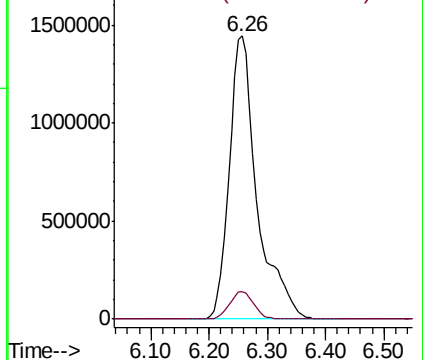
43 100

86 9.8 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 157.642 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

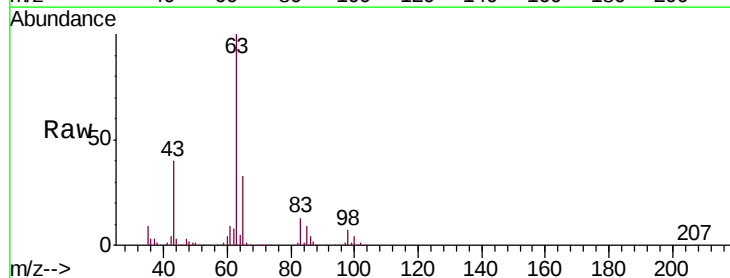
Tgt Ion: 63 Resp: 843595

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

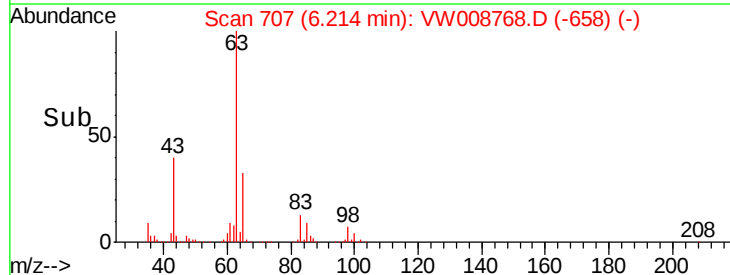
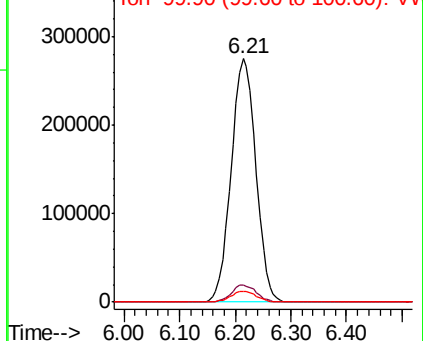
100 4.5 2.4 7.2

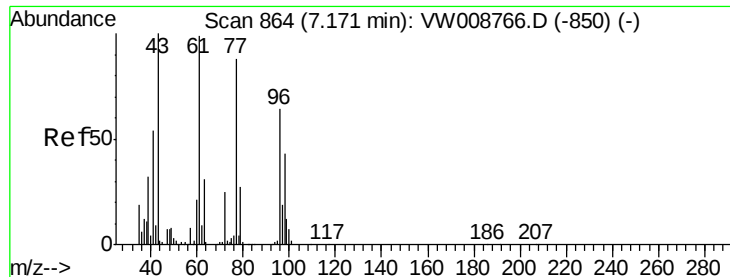


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 818.545 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

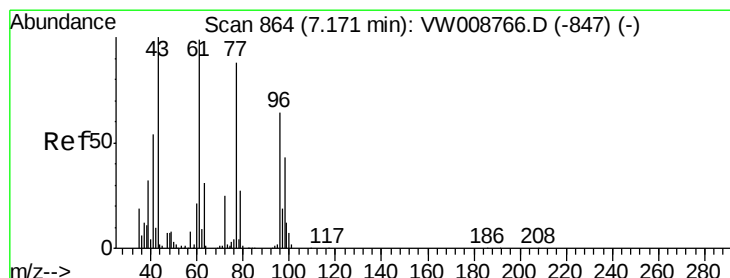
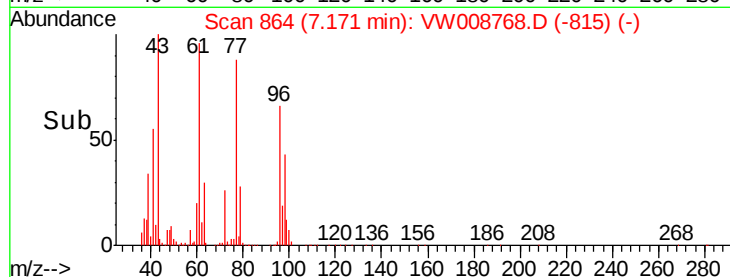
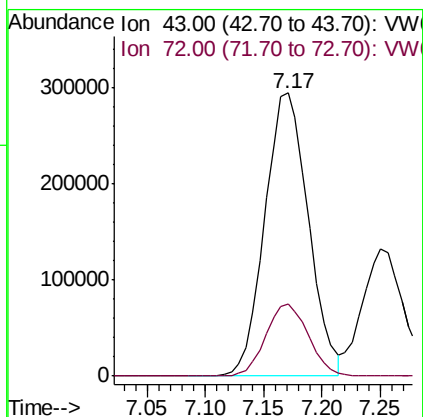
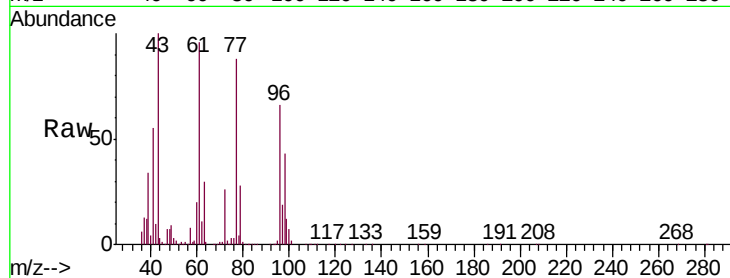
VSTDIC150

Tgt Ion: 43 Resp: 762157

Ion Ratio Lower Upper

43 100

72 25.7 19.7 29.5



#26

2,2-Dichloropropane

Concen: 157.730 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008768.D

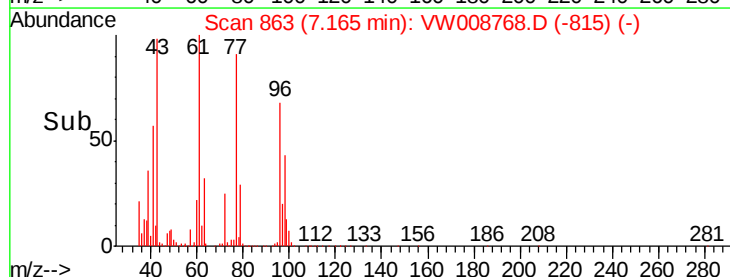
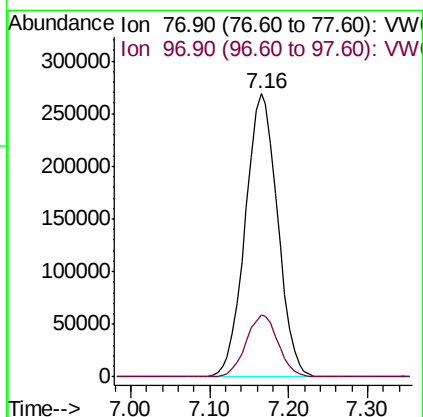
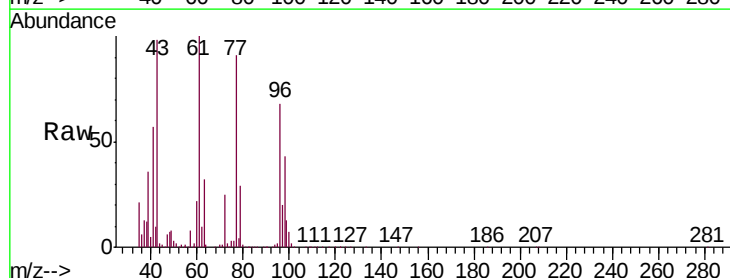
Acq: 21 Feb 2019 13:04

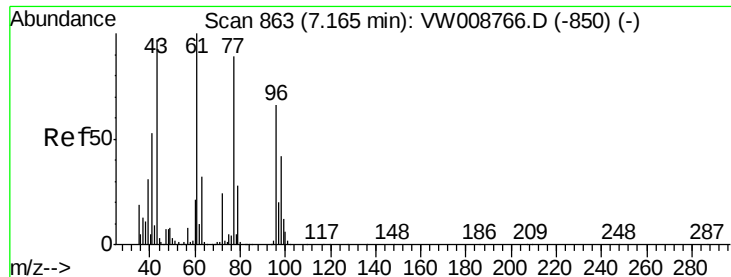
Tgt Ion: 77 Resp: 766306

Ion Ratio Lower Upper

77 100

97 21.7 11.0 33.0



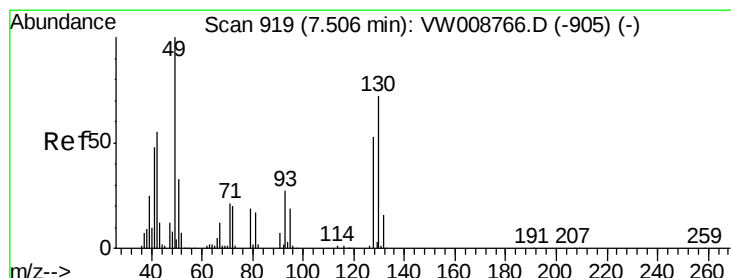
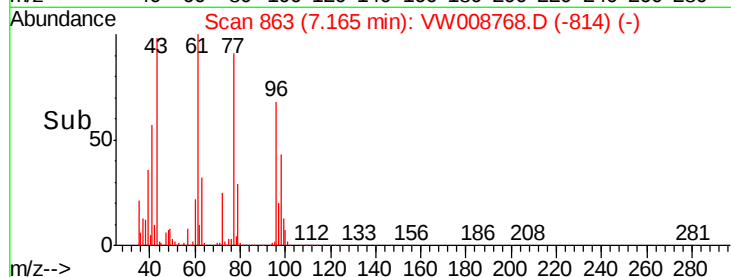
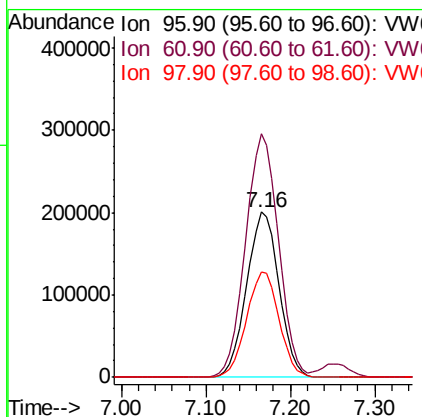
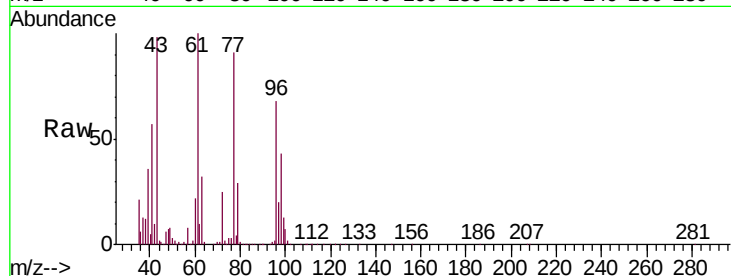


#27

cis-1,2-Dichloroethene
 Concen: 157.531 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

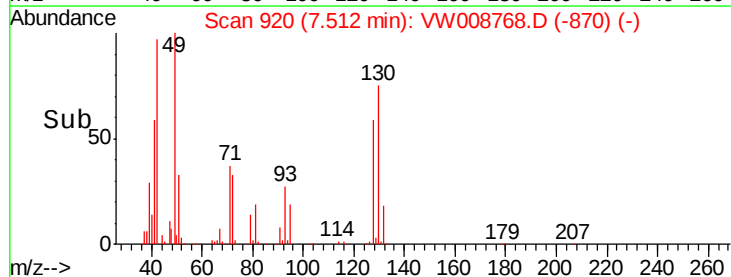
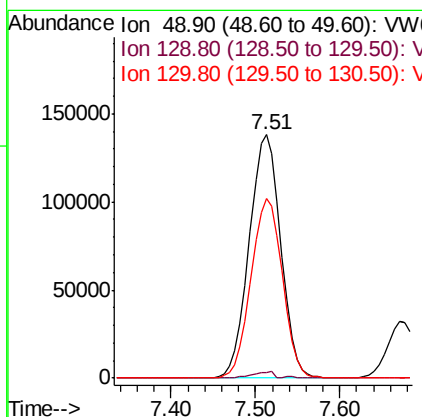
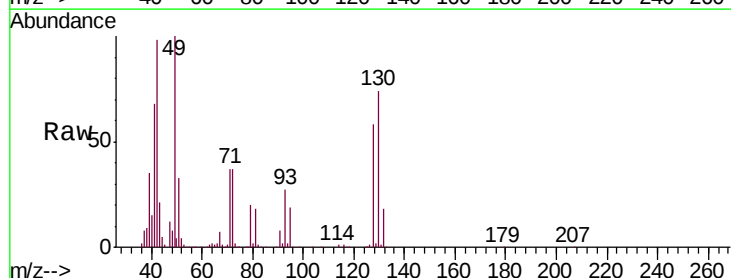
Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	302.6
98	64.3	0.0	130.0

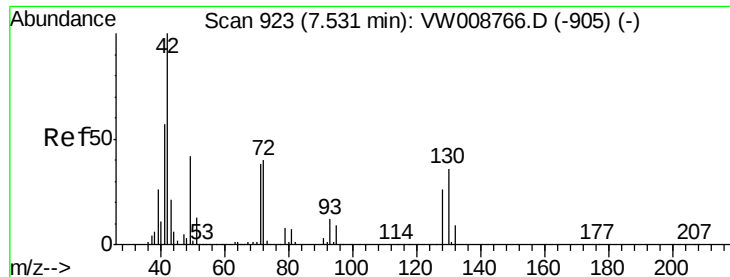


#28

Bromochloromethane
 Concen: 156.996 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.6
130	73.8	61.3	91.9





#29

Tetrahydrofuran

Concen: 839.736 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

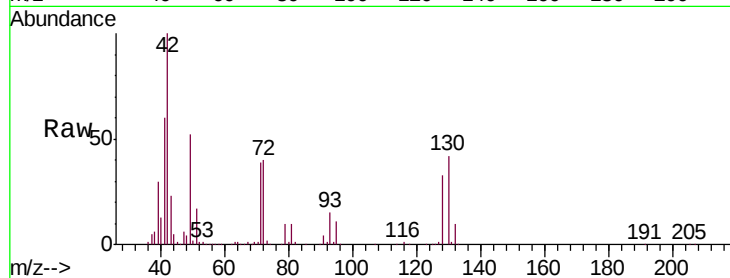
Tgt Ion: 42 Resp: 498275

Ion Ratio Lower Upper

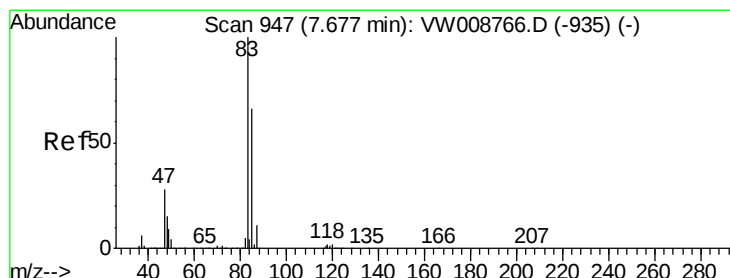
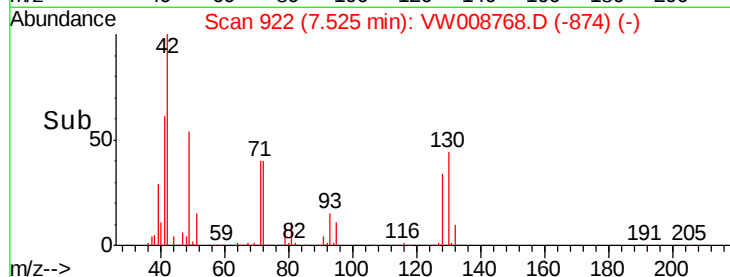
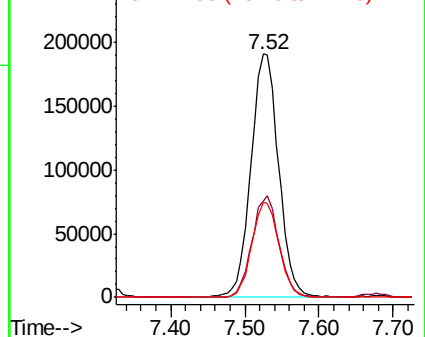
42 100

72 40.5 32.7 49.1

71 38.5 31.3 46.9



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 155.177 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW008768.D

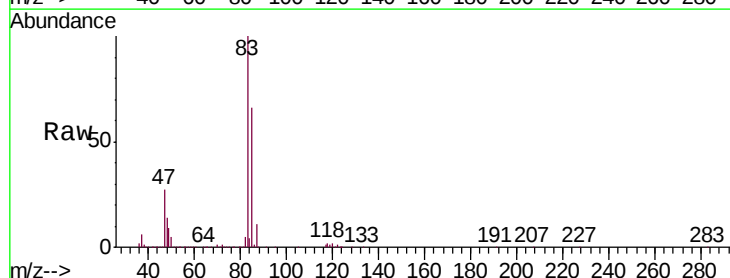
Acq: 21 Feb 2019 13:04

Tgt Ion: 83 Resp: 851895

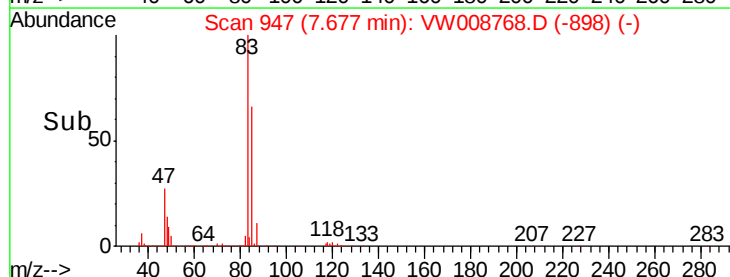
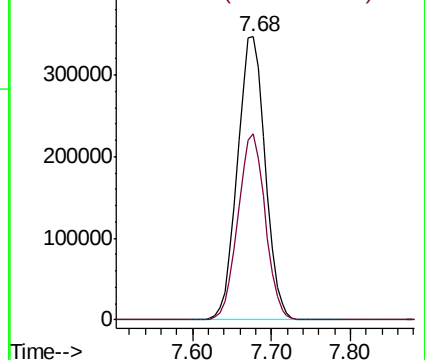
Ion Ratio Lower Upper

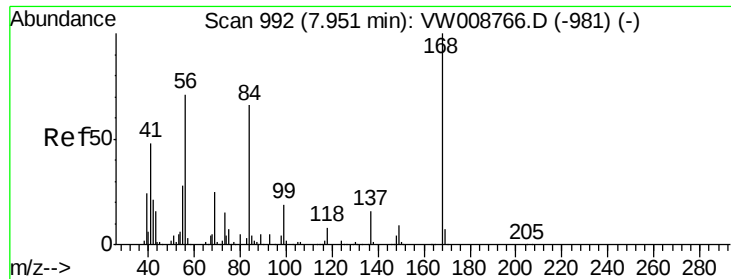
83 100

85 65.9 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

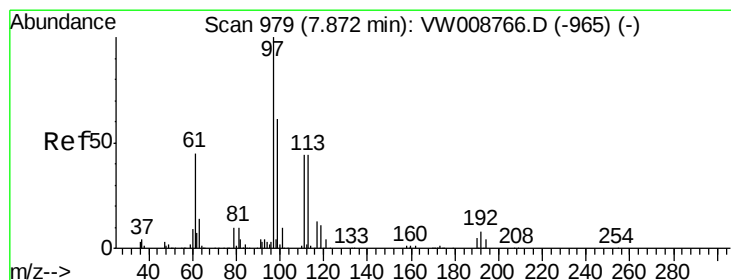
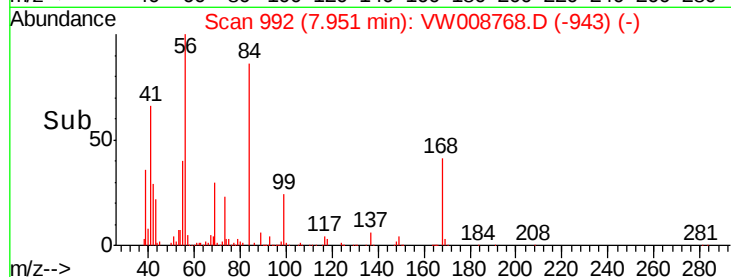
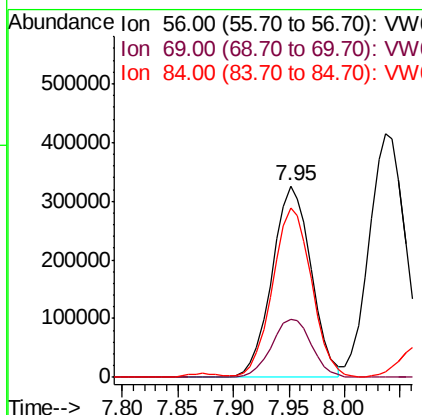
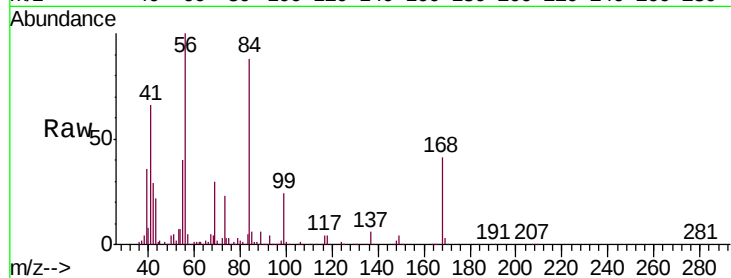




#31
Cyclohexane
Concen: 147.023 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

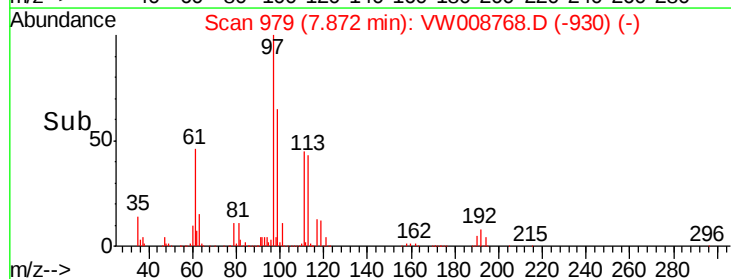
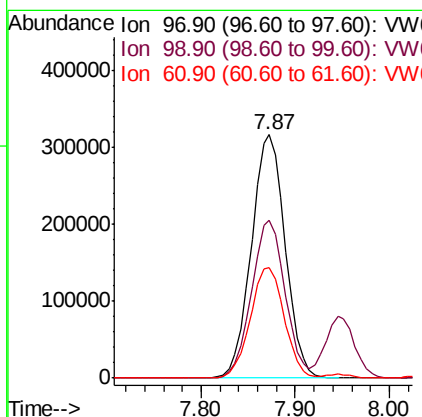
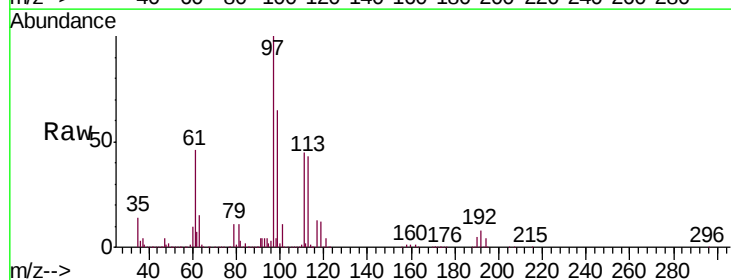
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

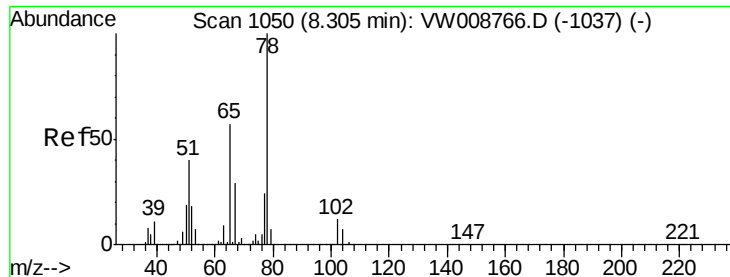
Tgt Ion: 56 Resp: 796394
Ion Ratio Lower Upper
56 100
69 30.5 28.2 42.4
84 86.8 74.1 111.1



#32
1,1,1-Trichloroethane
Concen: 158.710 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion: 97 Resp: 792353
Ion Ratio Lower Upper
97 100
99 64.5 50.8 76.2
61 45.9 36.0 54.0

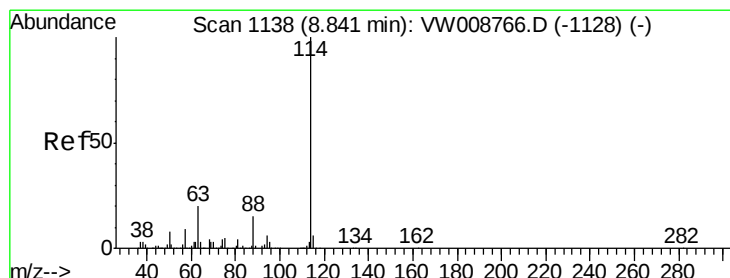
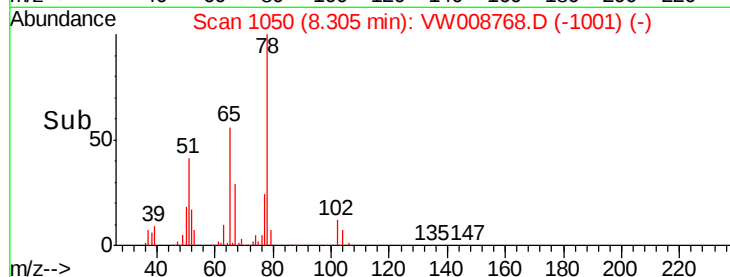
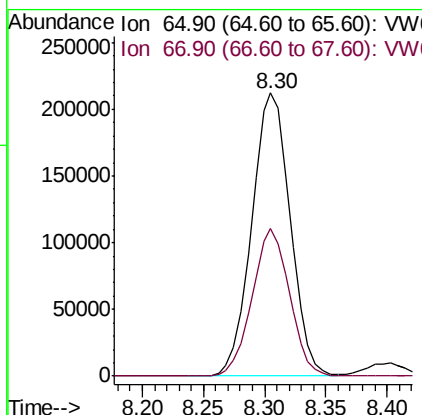
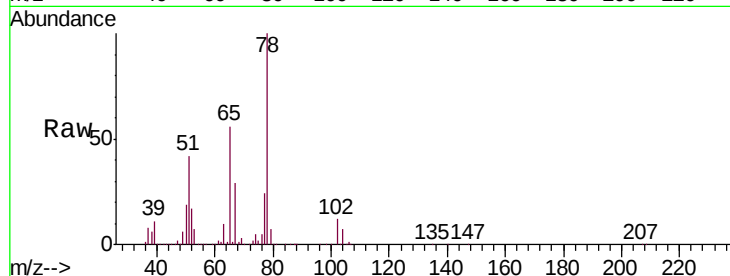




#33
 1,2-Dichloroethane-d4
 Concen: 161.552 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

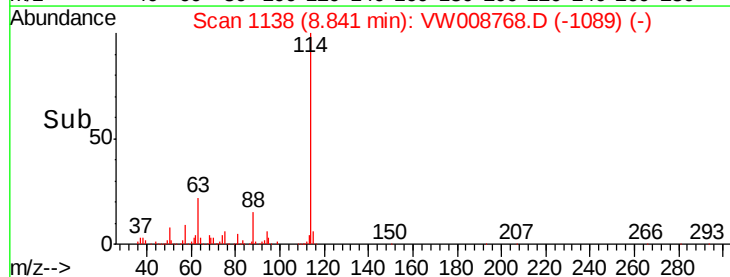
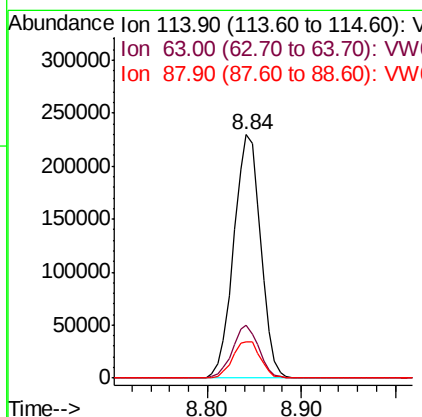
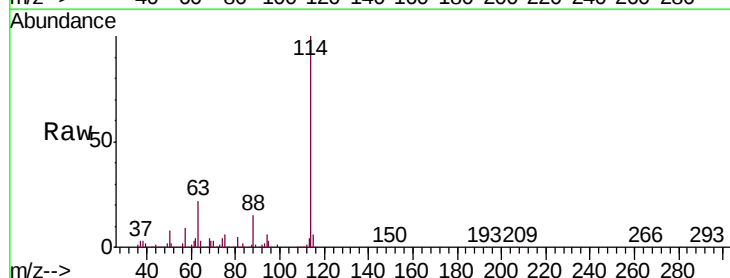
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

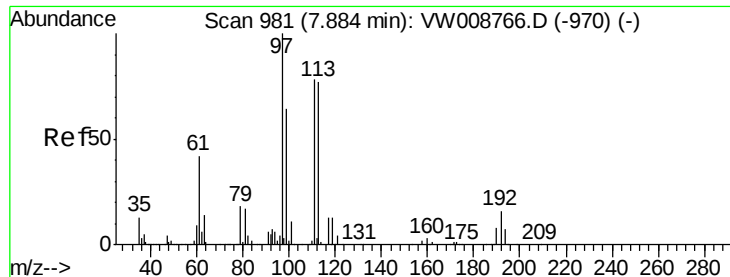
Tgt Ion: 65 Resp: 464183
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion: 114 Resp: 455955
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.8
 88 14.7 0.0 30.4

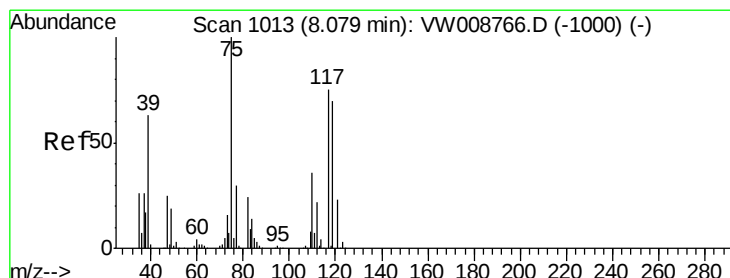
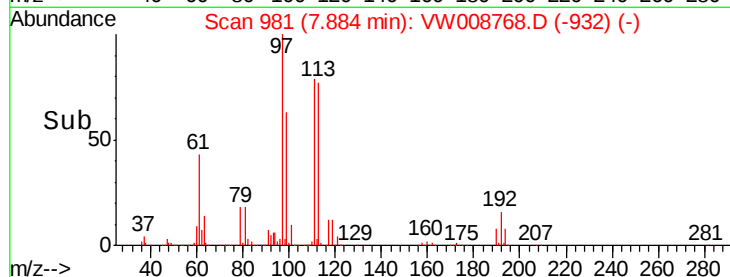
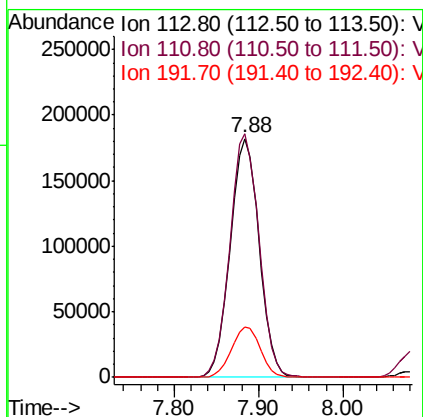
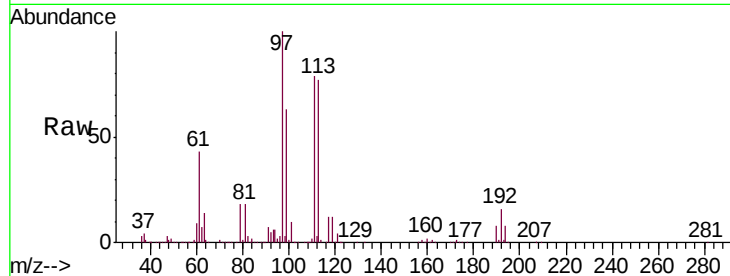




#35
 Dibromofluoromethane
 Concen: 154.271 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

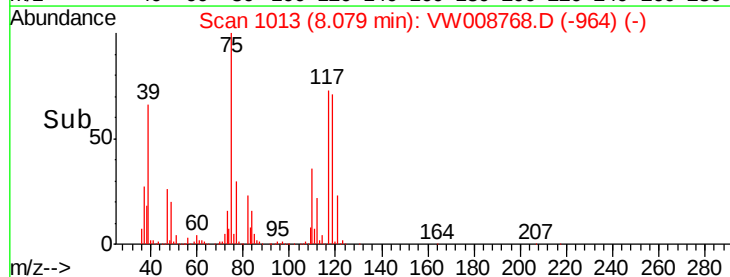
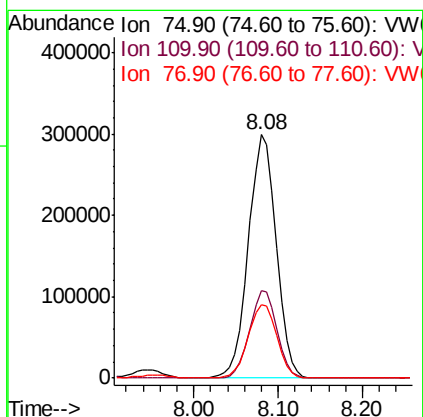
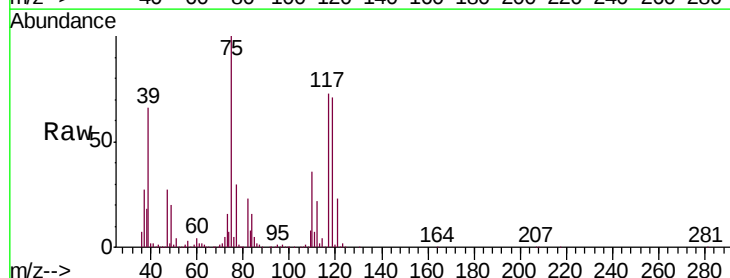
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

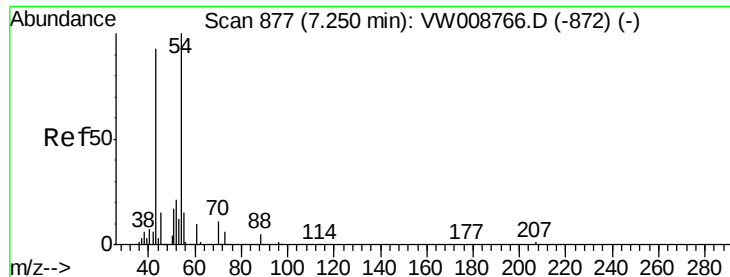
Tgt Ion:113 Resp: 422333
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.9 122.9
 192 21.2 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 150.615 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion: 75 Resp: 668496
 Ion Ratio Lower Upper
 75 100
 110 35.3 17.5 52.6
 77 31.2 24.5 36.7

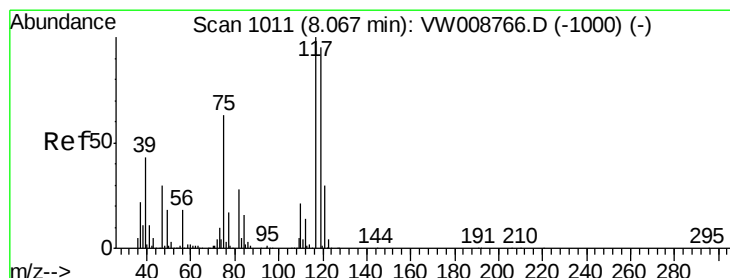
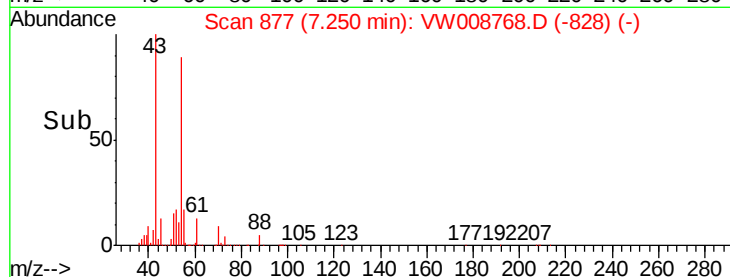
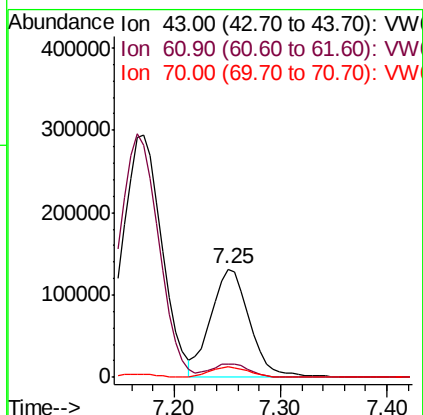
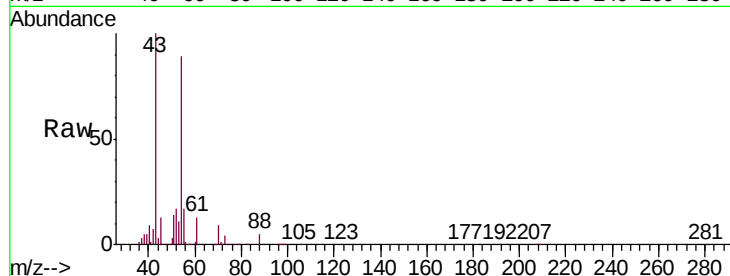




#37
Ethyl Acetate
Concen: 158.613 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

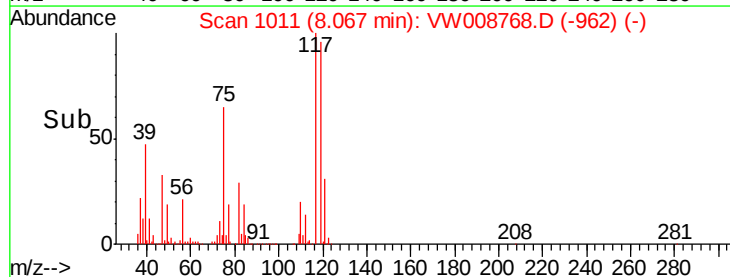
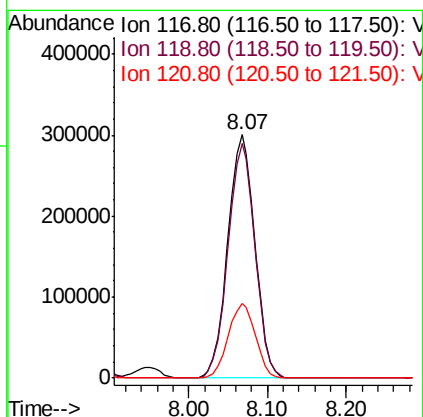
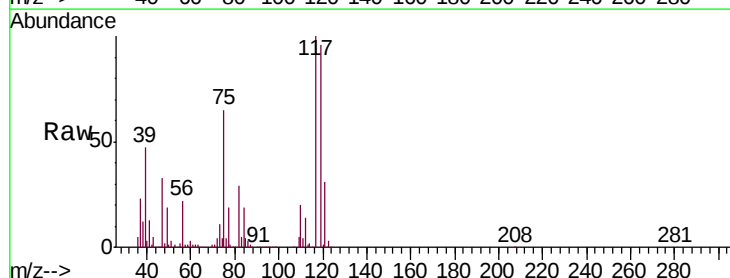
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

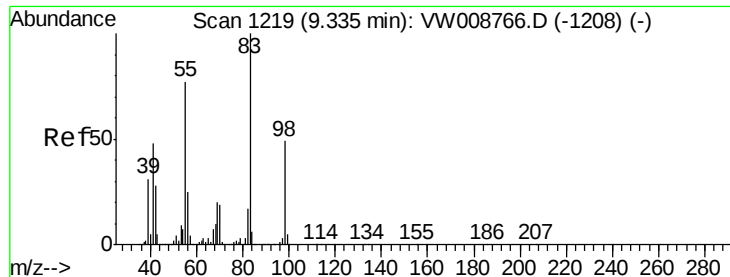
Tgt Ion: 43 Resp: 327373
Ion Ratio Lower Upper
43 100
61 11.7 9.8 14.8
70 9.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 153.544 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion: 117 Resp: 718702
Ion Ratio Lower Upper
117 100
119 96.1 76.1 114.1
121 30.6 24.0 36.0

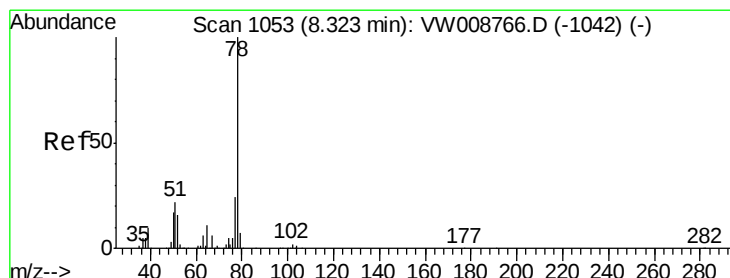
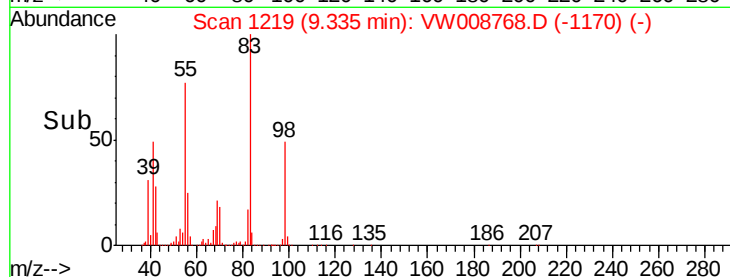
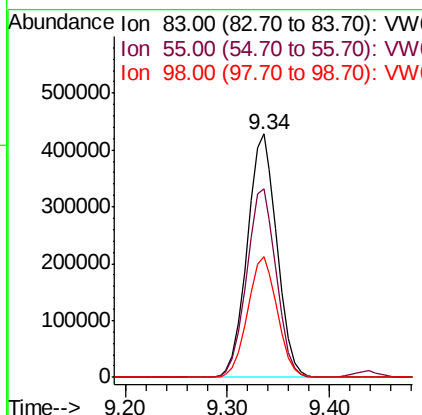
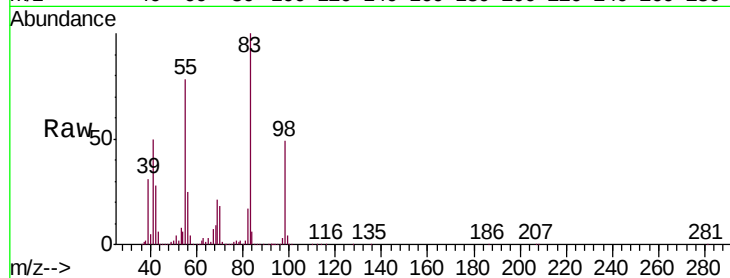




#39
Methylcyclohexane
Concen: 156.097 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

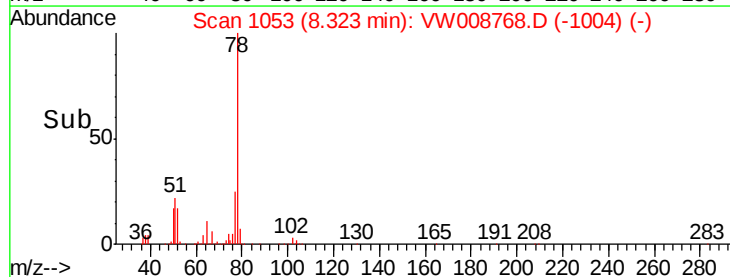
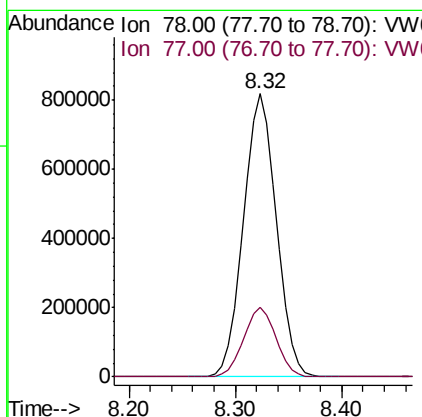
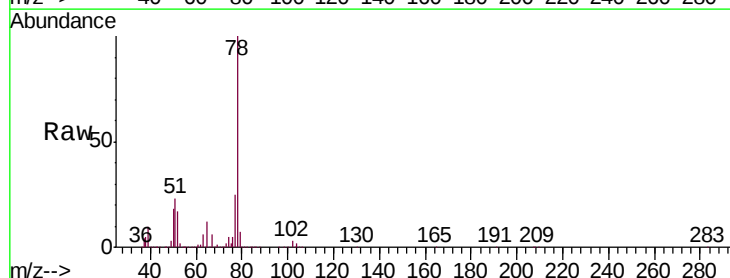
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

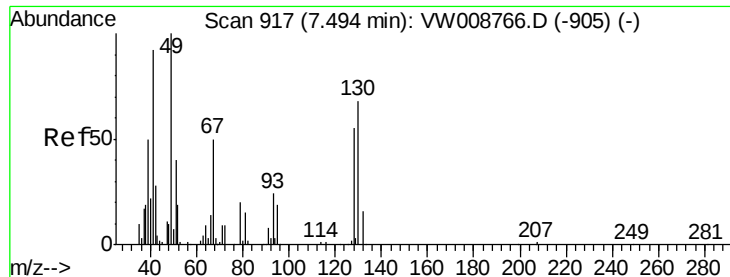
Tgt Ion: 83 Resp: 864177
Ion Ratio Lower Upper
83 100
55 77.6 61.2 91.8
98 49.5 39.4 59.2



#40
Benzene
Concen: 146.491 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion: 78 Resp: 1775229
Ion Ratio Lower Upper
78 100
77 24.6 19.3 28.9

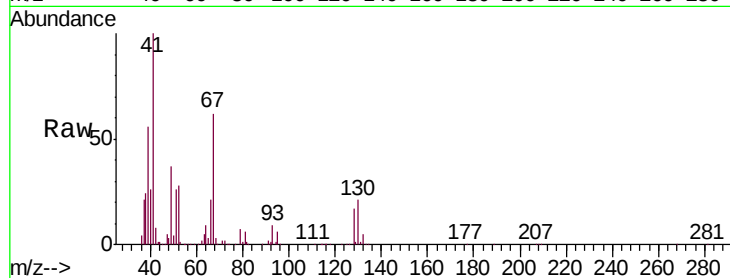




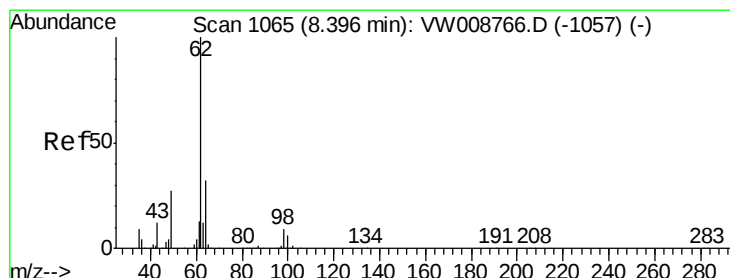
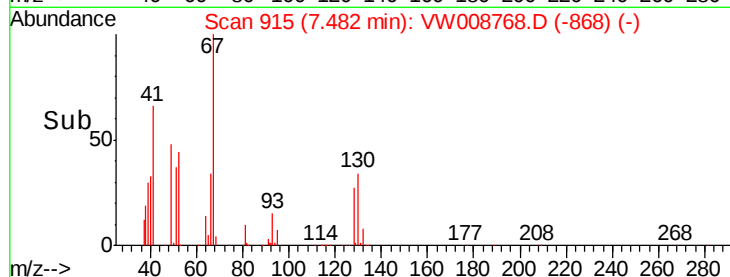
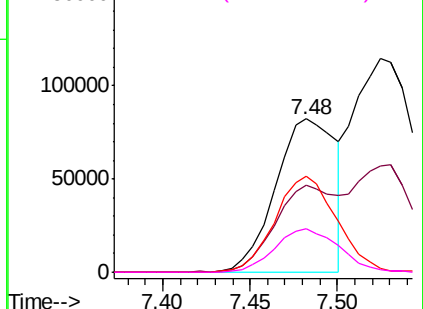
#41
Methacrylonitrile
Concen: 162.431 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:	41	Resp:	197064
Ion	Ratio	Lower	Upper
41	100		
39	57.4	52.5	78.7
67	64.7	55.0	82.6
52	30.3	26.9	40.3

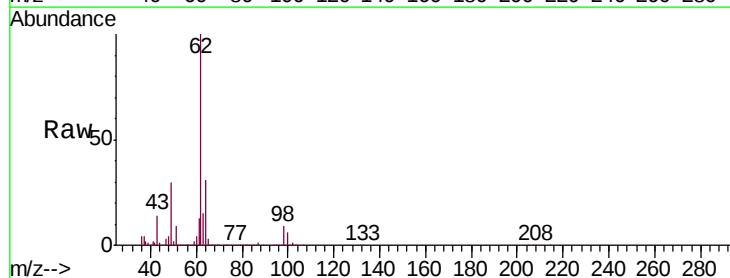


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

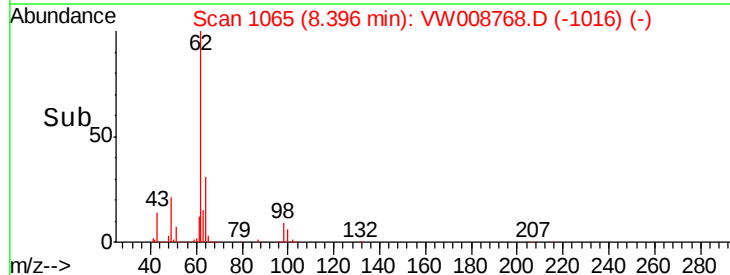
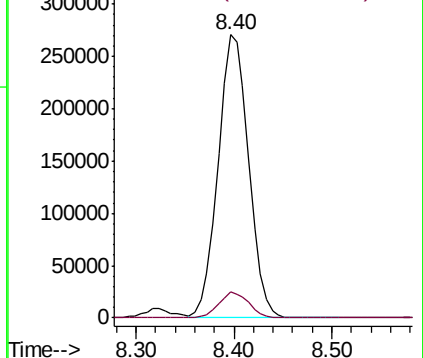


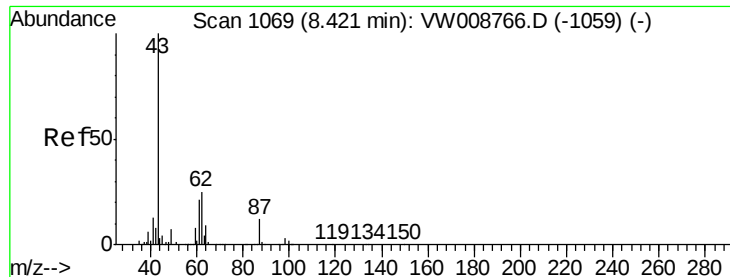
#42
1,2-Dichloroethane
Concen: 152.526 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion:	62	Resp:	585516
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2



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





#43

Isopropyl Acetate

Concen: 158.748 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

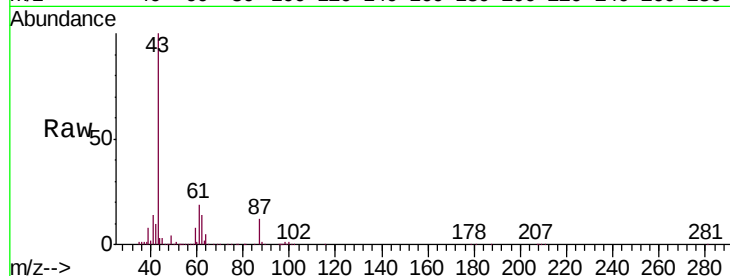
Tgt Ion: 43 Resp: 653932

Ion Ratio Lower Upper

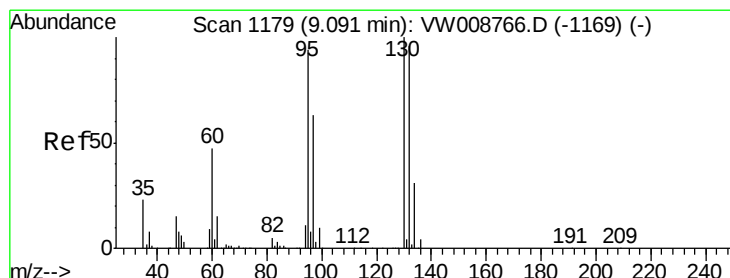
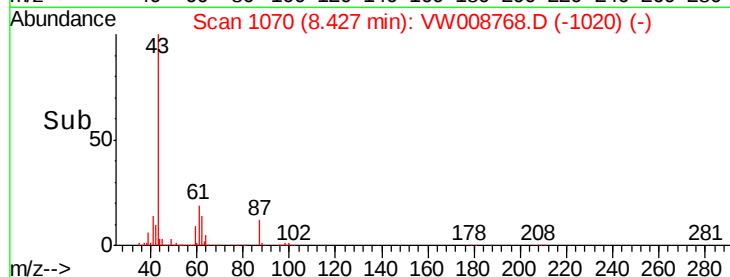
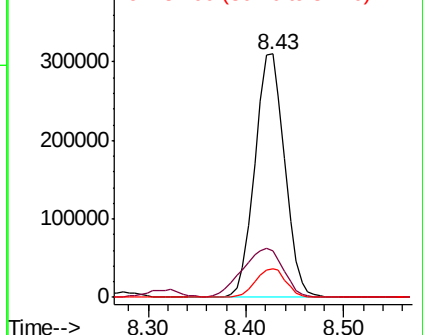
43 100

61 27.7 23.2 34.8

87 12.0 9.9 14.9



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



#44

Trichloroethene

Concen: 147.643 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008768.D

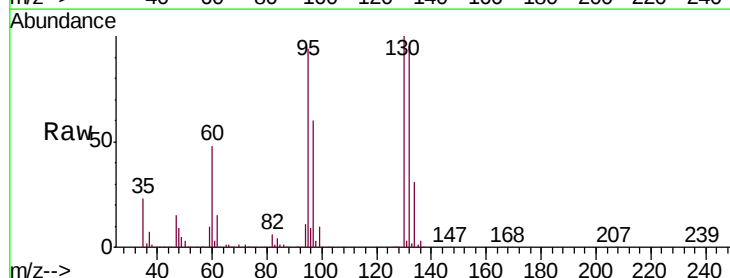
Acq: 21 Feb 2019 13:04

Tgt Ion: 130 Resp: 504028

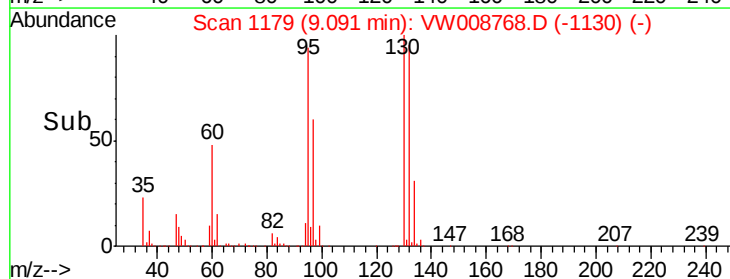
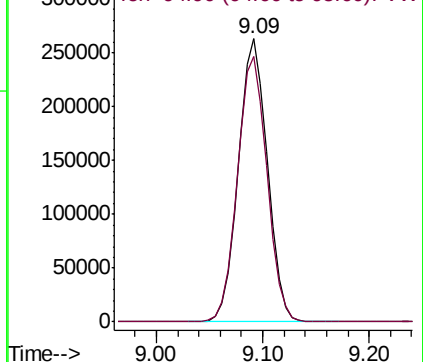
Ion Ratio Lower Upper

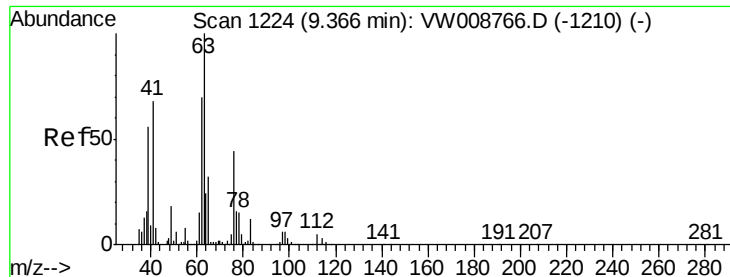
130 100

95 94.0 0.0 188.6



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

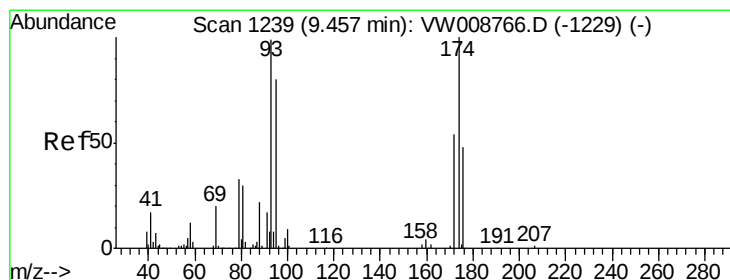
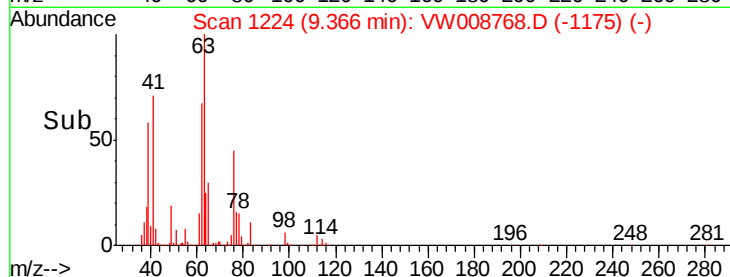
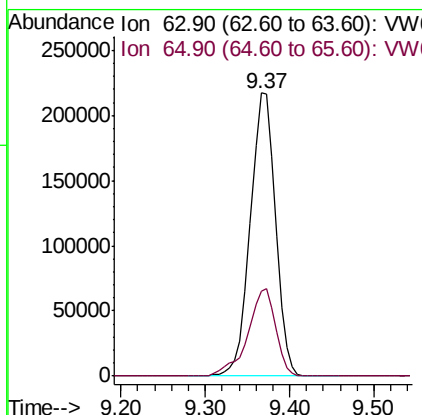
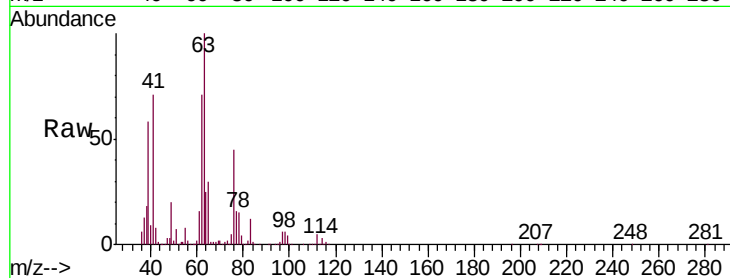




#45
 1,2-Dichloropropane
 Concen: 147.415 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

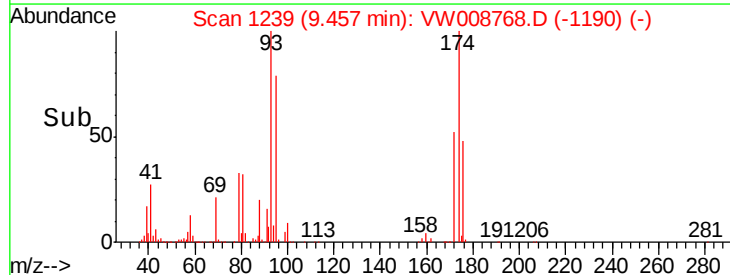
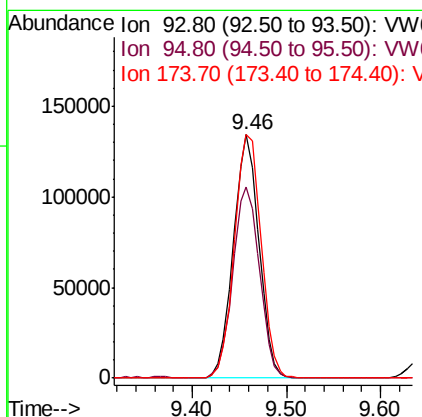
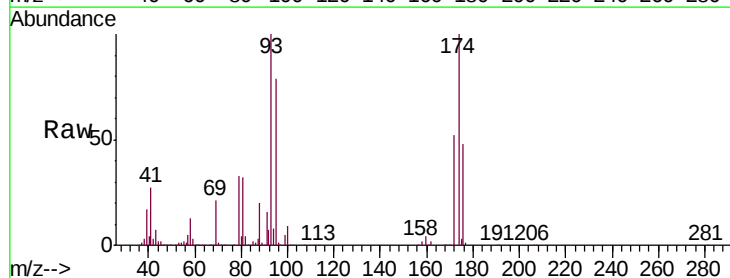
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

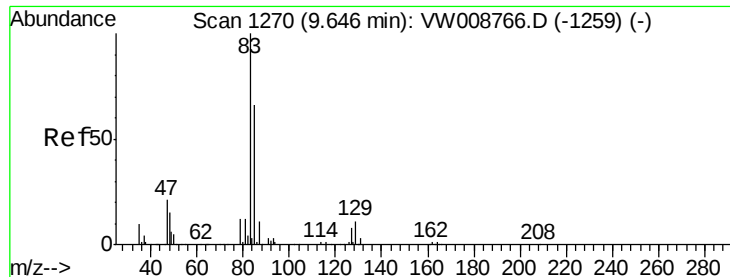
Tgt Ion: 63 Resp: 441449
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.5 38.3



#46
 Dibromomethane
 Concen: 152.332 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion: 93 Resp: 253742
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.7 101.5
 174 104.9 86.7 130.1





#47

Bromodichloromethane

Concen: 155.738 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

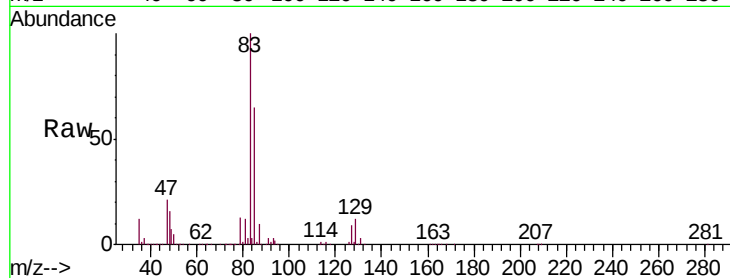
Tgt Ion: 83 Resp: 631164

Ion Ratio Lower Upper

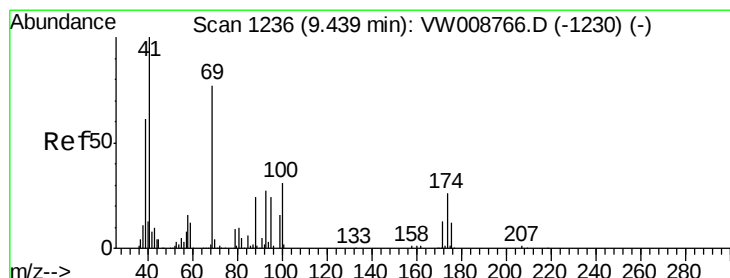
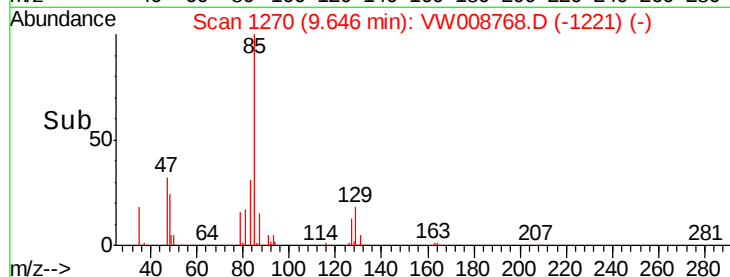
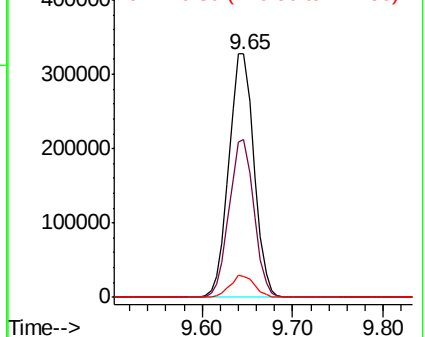
83 100

85 64.7 52.5 78.7

127 8.5 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 165.137 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

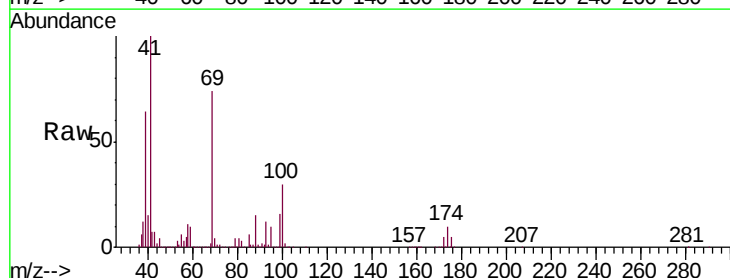
Tgt Ion: 41 Resp: 325799

Ion Ratio Lower Upper

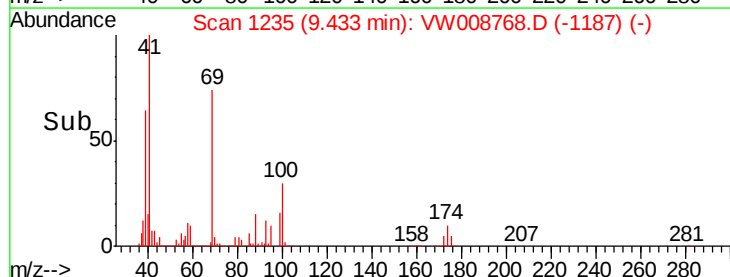
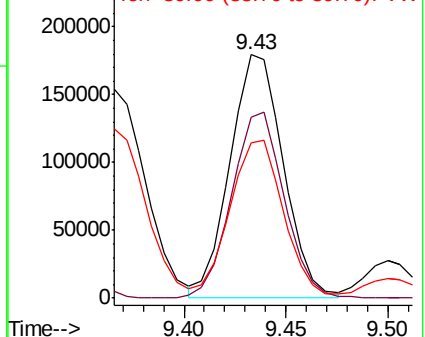
41 100

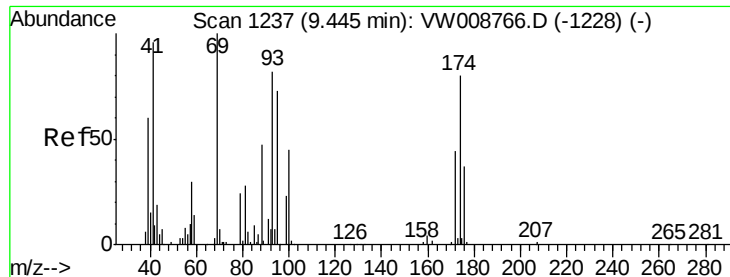
69 75.3 63.6 95.4

39 62.3 52.1 78.1



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

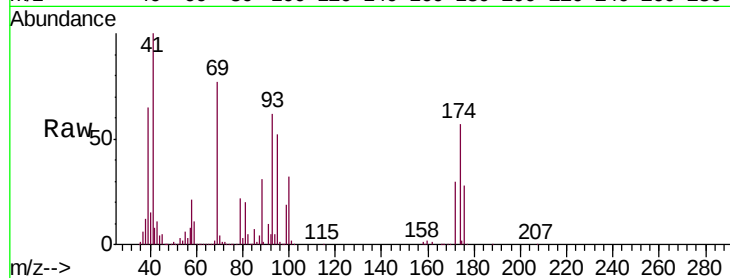




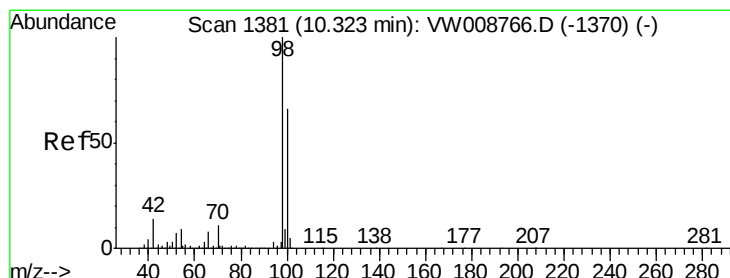
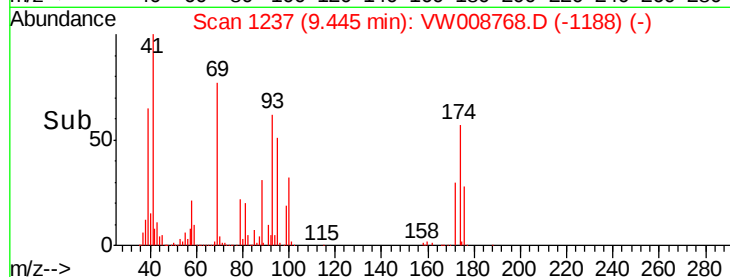
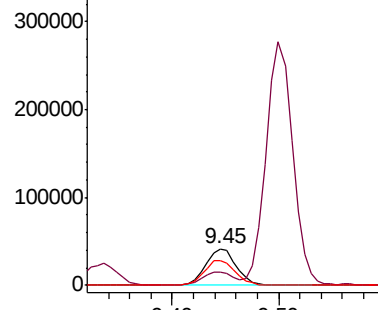
#49
1,4-Dioxane
Concen: 3086.801 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 88 Resp: 82340
Ion Ratio Lower Upper
88 100
43 36.5 29.0 43.4
58 70.0 52.0 78.0

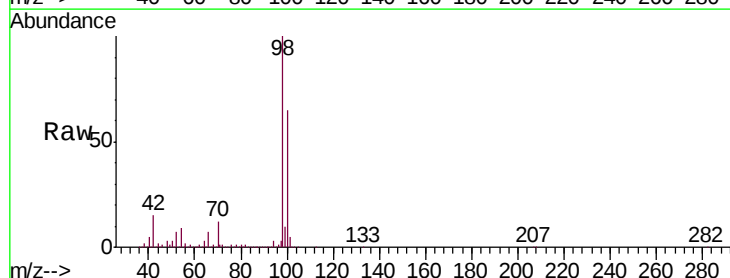


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

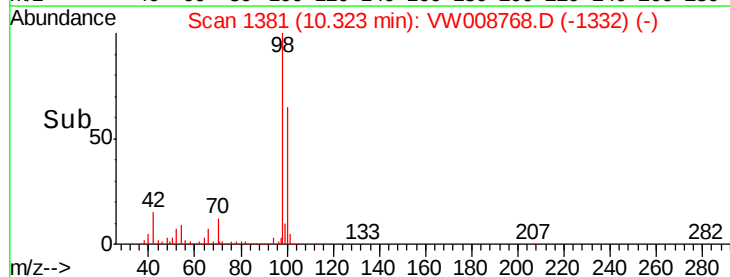
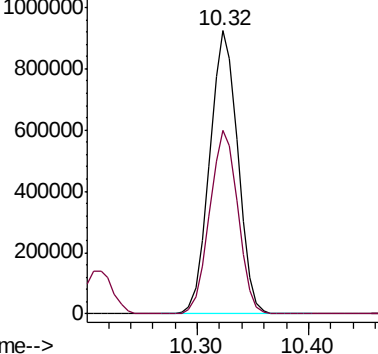


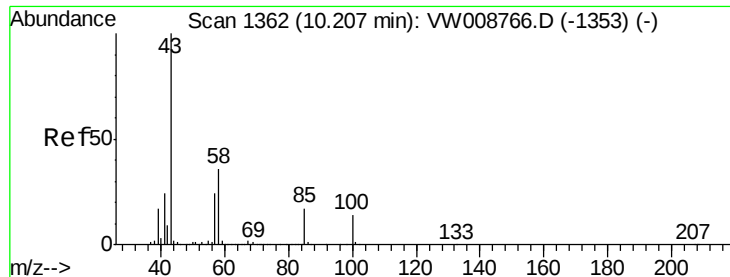
#50
Toluene-d8
Concen: 152.563 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion: 98 Resp: 1612283
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



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





#51

4-Methyl-2-Pentanone

Concen: 809.234 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

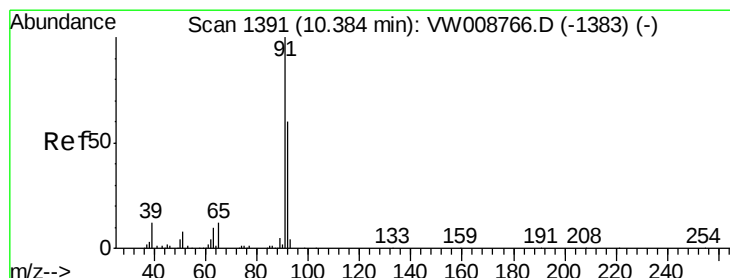
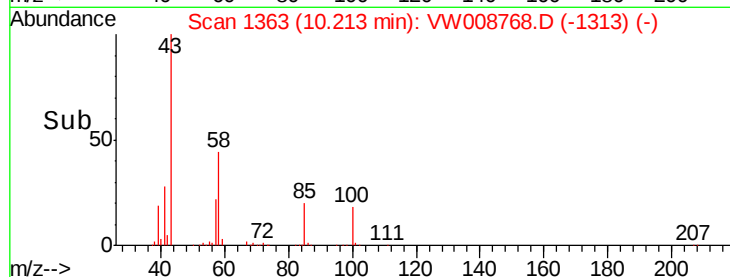
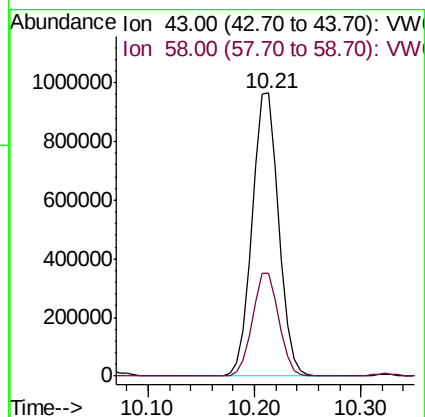
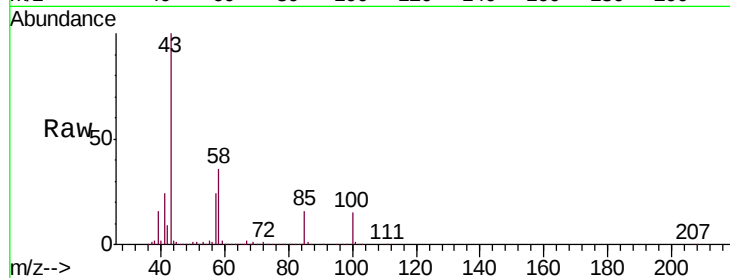
VSTDIC150

Tgt Ion: 43 Resp: 1692398

Ion Ratio Lower Upper

43 100

58 36.4 29.1 43.7



#52

Toluene

Concen: 148.838 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008768.D

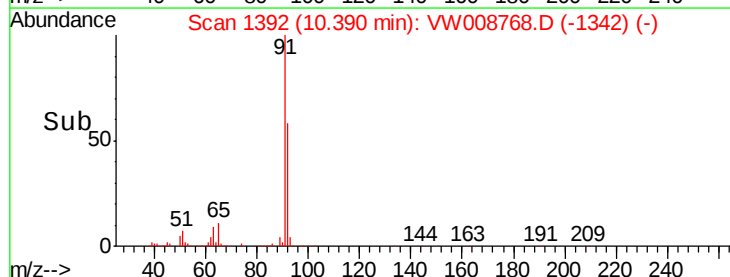
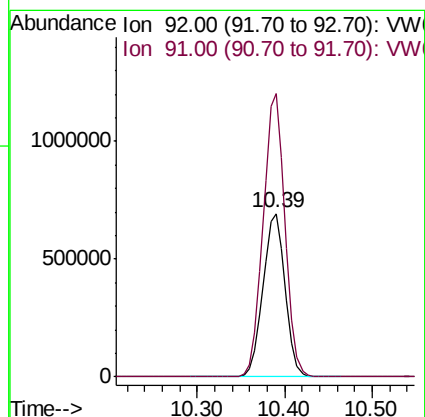
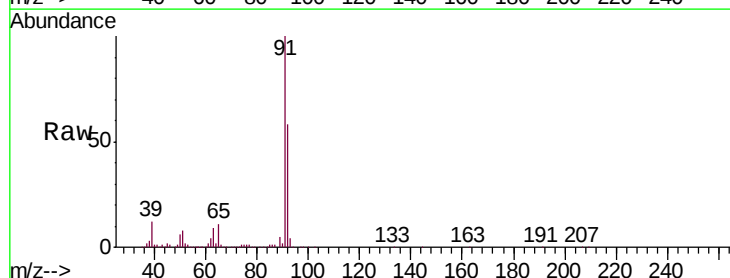
Acq: 21 Feb 2019 13:04

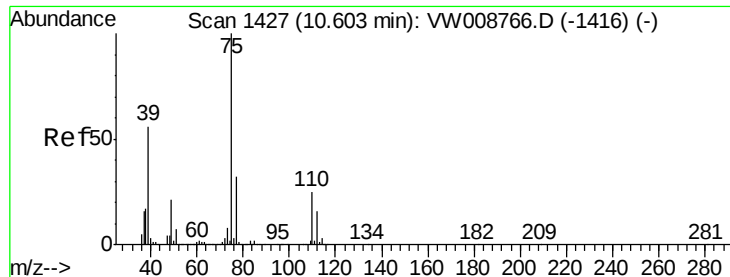
Tgt Ion: 92 Resp: 1224104

Ion Ratio Lower Upper

92 100

91 171.0 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 159.312 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

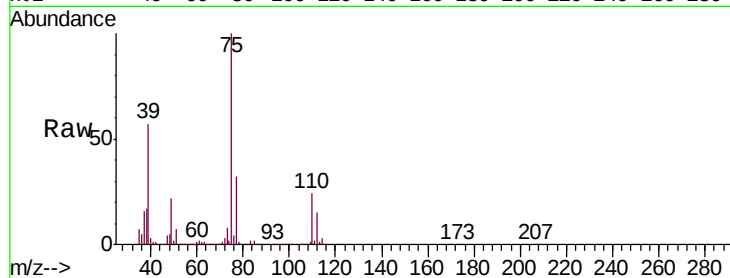
VSTDIC150

Tgt Ion: 75 Resp: 658081

Ion Ratio Lower Upper

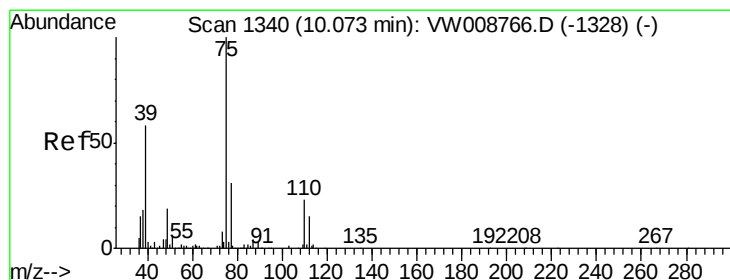
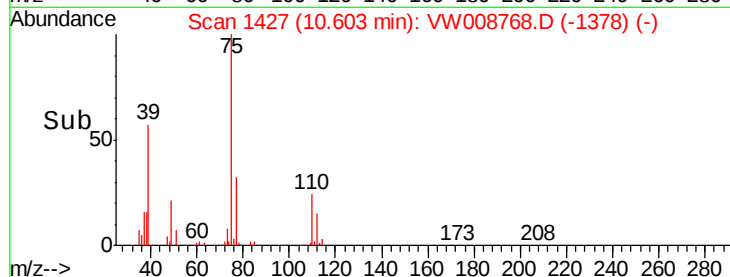
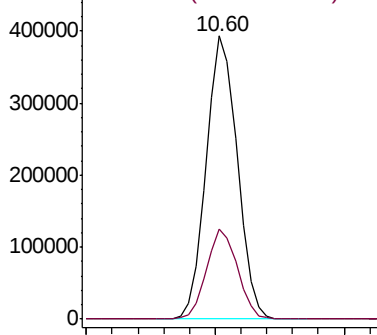
75 100

77 31.7 26.1 39.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 155.567 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

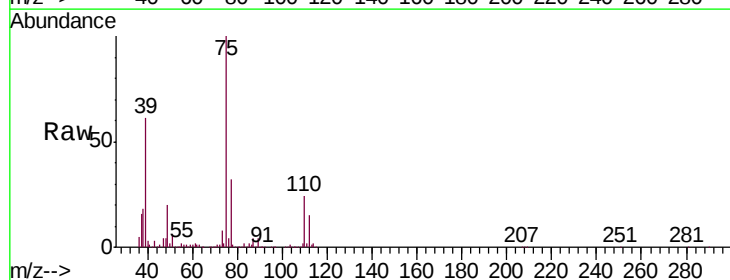
Tgt Ion: 75 Resp: 732914

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4

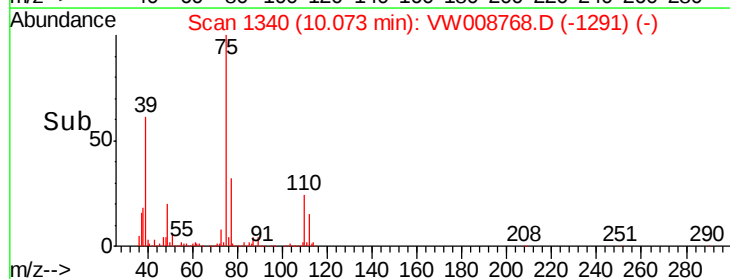
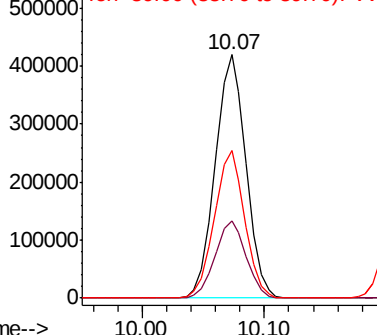
39 60.5 46.6 70.0

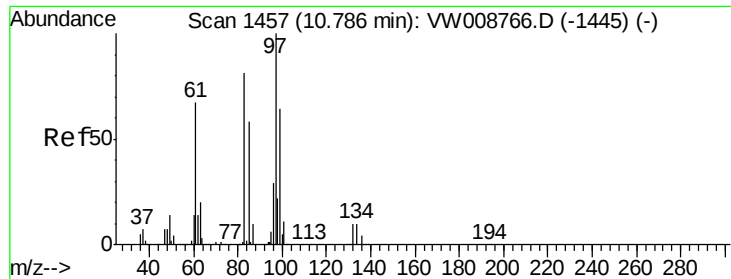


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

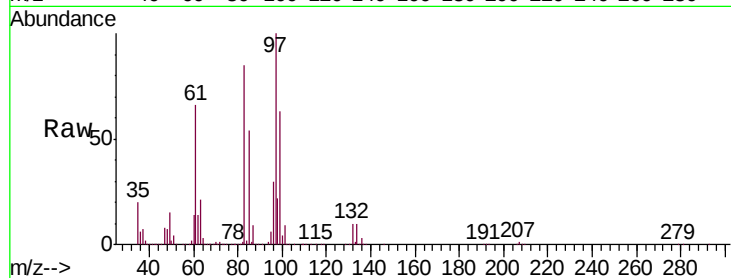




#55
 1,1,2-Trichloroethane
 Concen: 149.703 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:	97	Resp:	338175
Ion	Ratio	Lower	Upper
97	100		
83	84.7	65.0	97.6
85	53.8	46.0	69.0
99	63.0	51.1	76.7



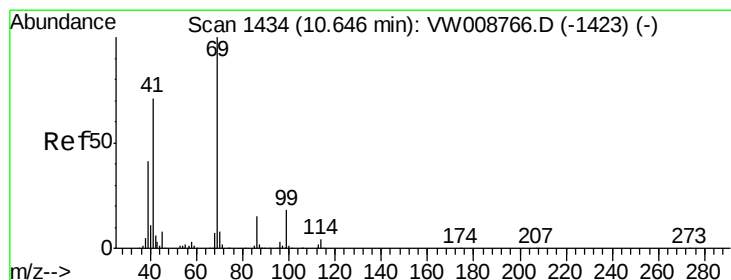
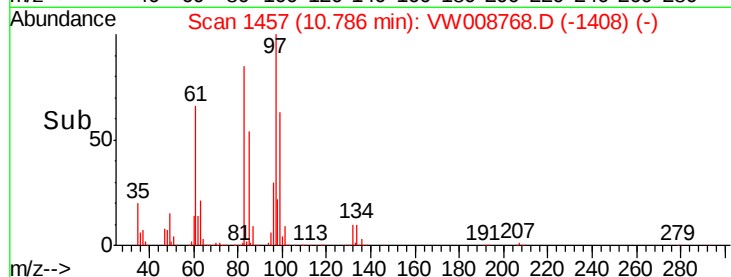
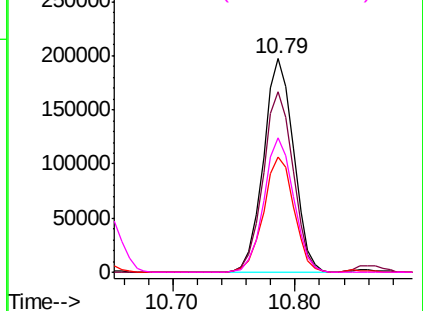
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

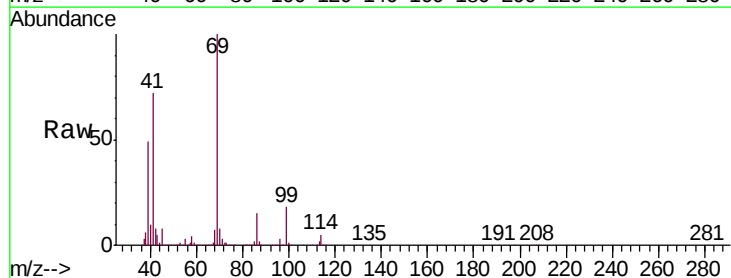
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 163.059 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion:	69	Resp:	478559
Ion	Ratio	Lower	Upper
69	100		
41	73.8	57.4	86.0
39	45.5	34.8	52.2

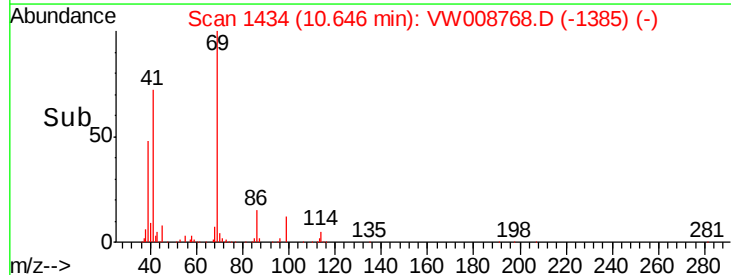
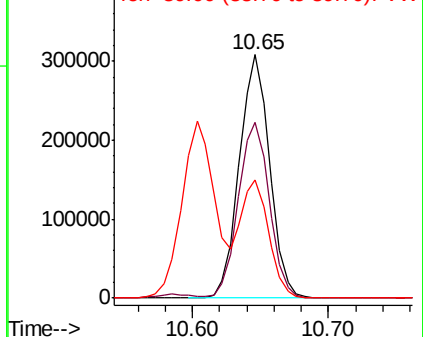


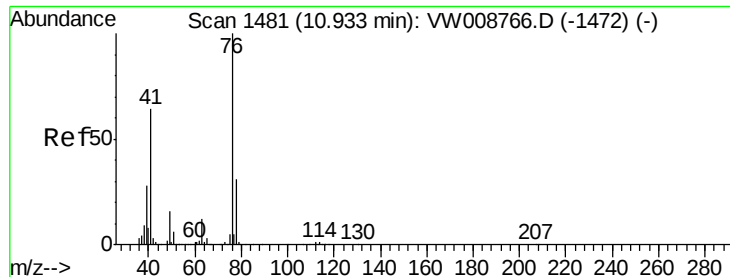
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 149.316 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

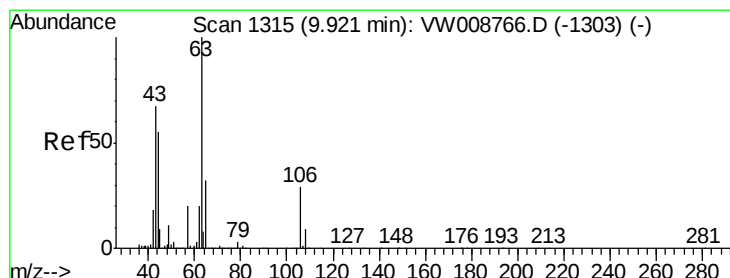
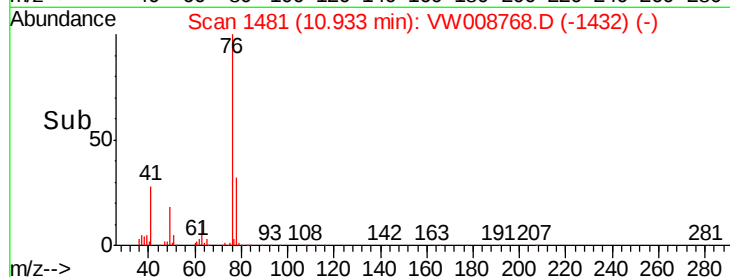
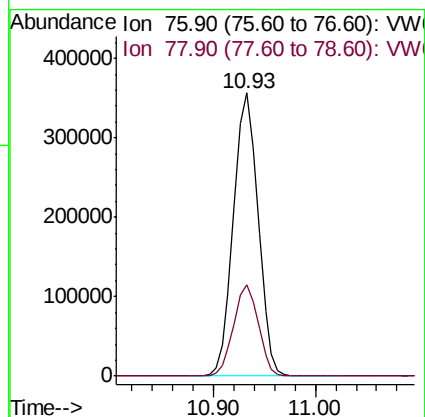
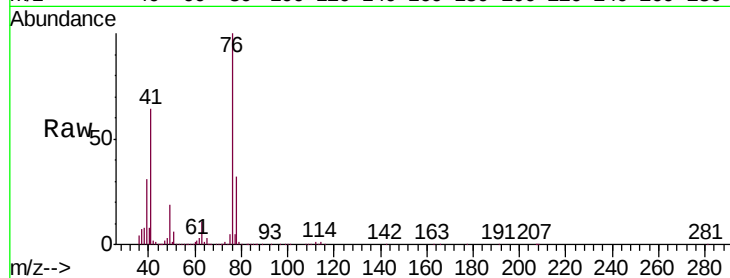
VSTDIC150

Tgt Ion: 76 Resp: 595542

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 774.760 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW008768.D

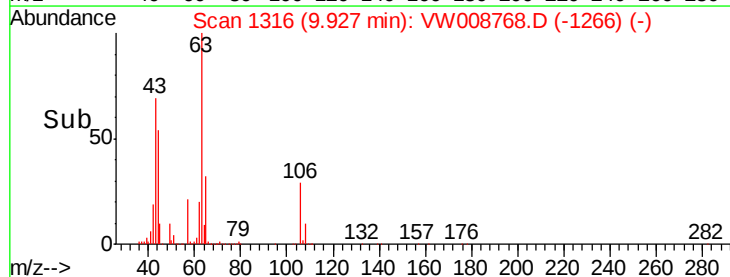
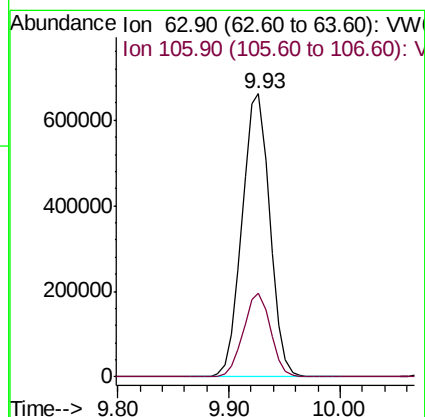
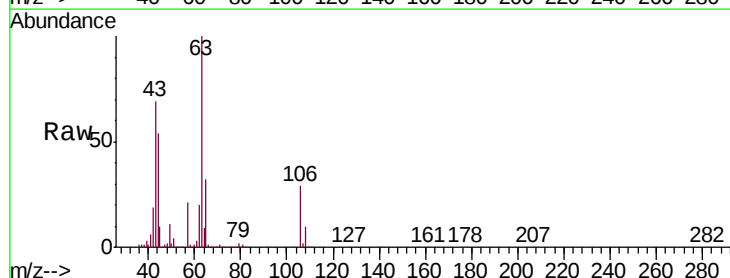
Acq: 21 Feb 2019 13:04

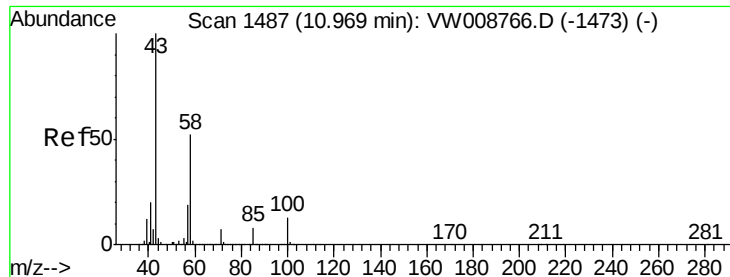
Tgt Ion: 63 Resp: 1143611

Ion Ratio Lower Upper

63 100

106 29.0 24.0 36.0





#59

2-Hexanone

Concen: 825.432 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

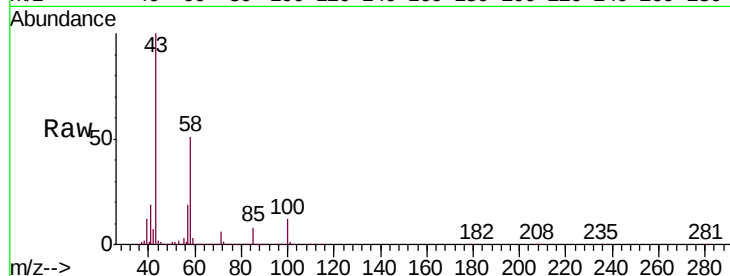
VSTDIC150

Tgt Ion: 43 Resp: 1228835

Ion Ratio Lower Upper

43 100

58 50.6 25.3 75.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.97

800000

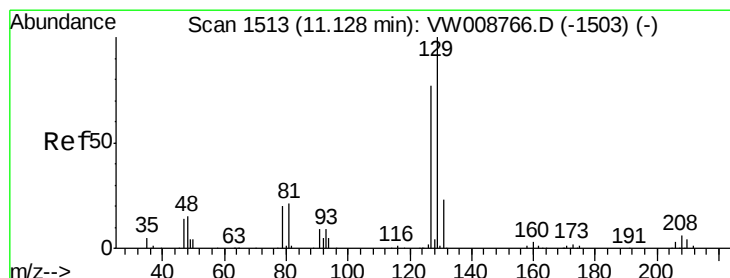
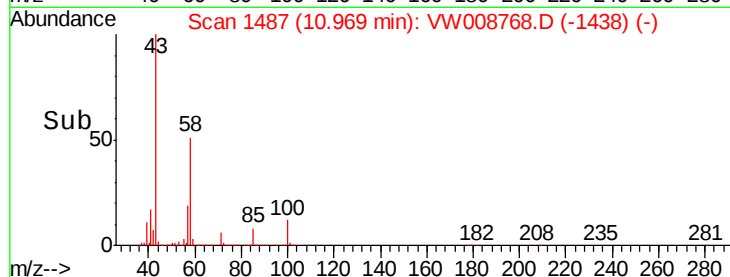
600000

400000

200000

0

Time-->



#60

Dibromochloromethane

Concen: 154.742 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008768.D

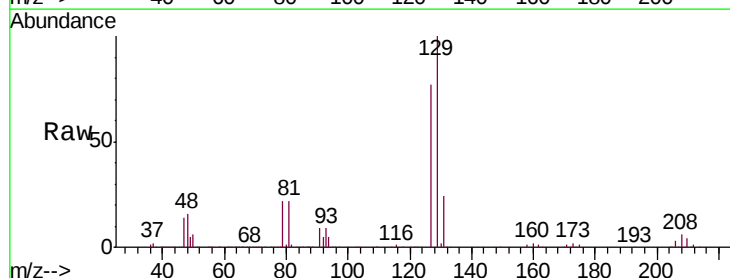
Acq: 21 Feb 2019 13:04

Tgt Ion: 129 Resp: 426365

Ion Ratio Lower Upper

129 100

127 77.1 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.13

250000

200000

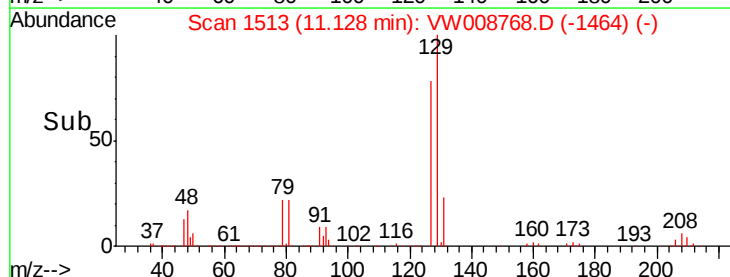
150000

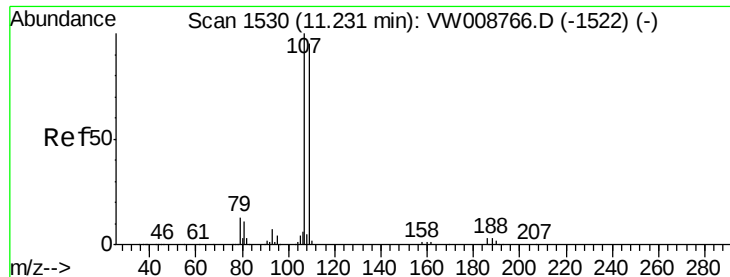
100000

50000

0

Time-->





#61

1,2-Dibromoethane

Concen: 149.166 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

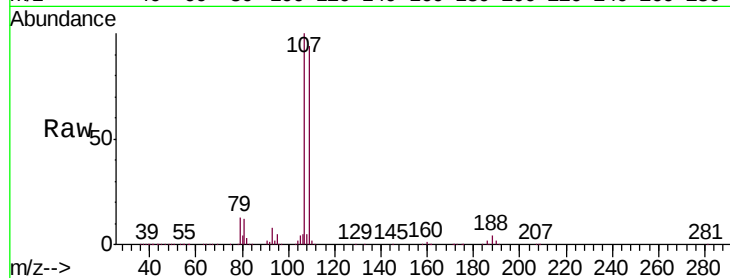
VSTDIC150

Tgt Ion: 107 Resp: 333539

Ion Ratio Lower Upper

107 100

109 94.0 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

200000

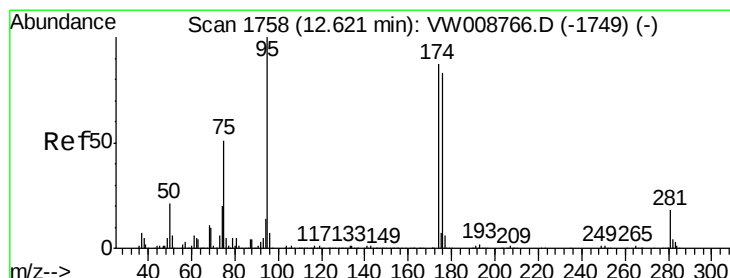
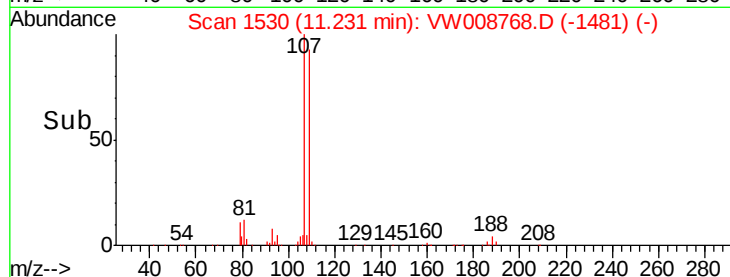
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 152.747 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

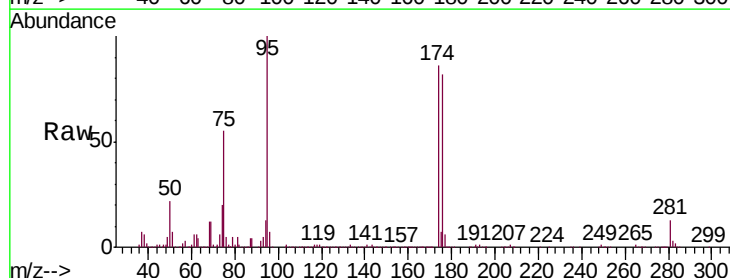
Tgt Ion: 95 Resp: 632039

Ion Ratio Lower Upper

95 100

174 82.9 0.0 169.2

176 80.3 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

500000

400000

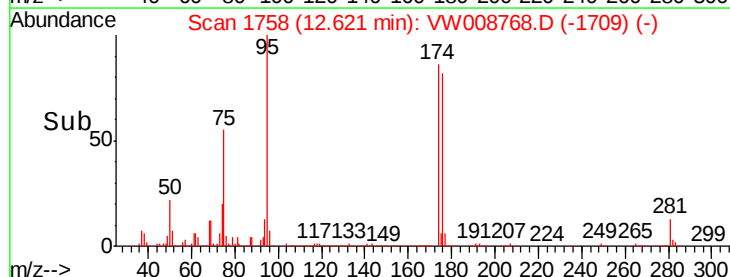
300000

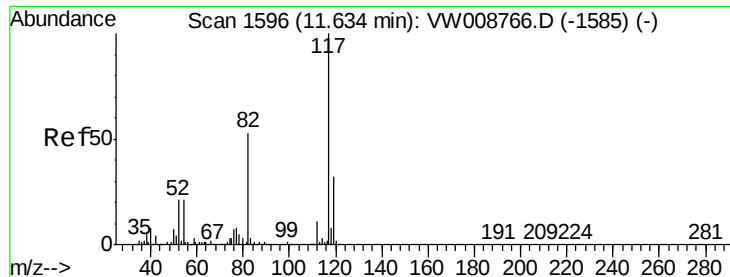
200000

100000

0

Time-->

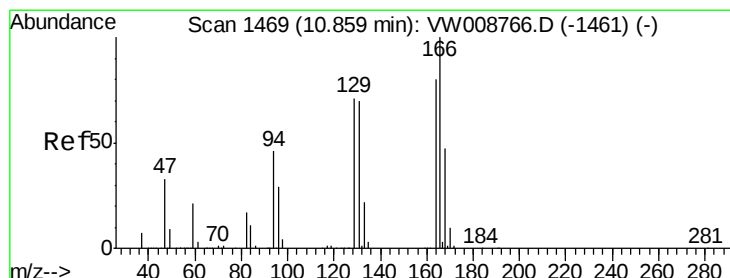
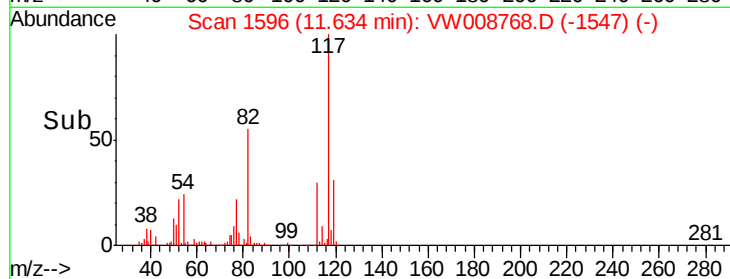
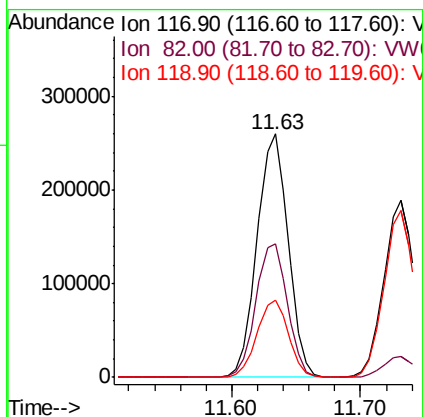
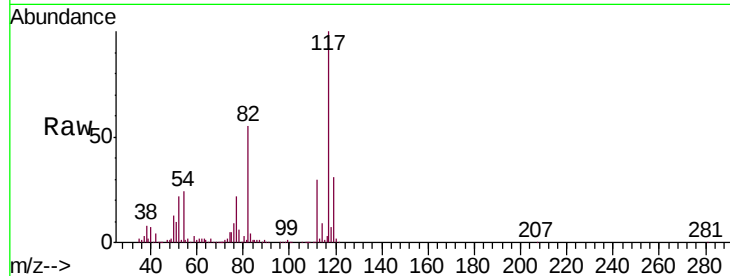




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

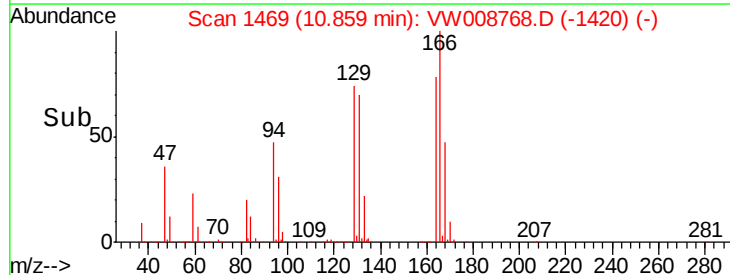
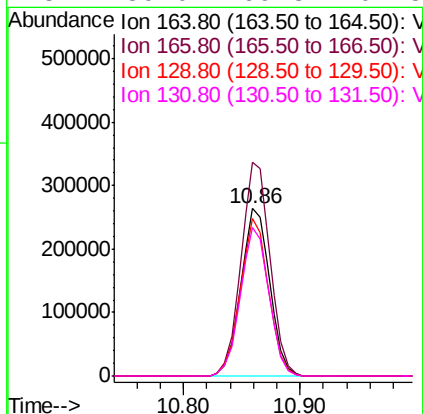
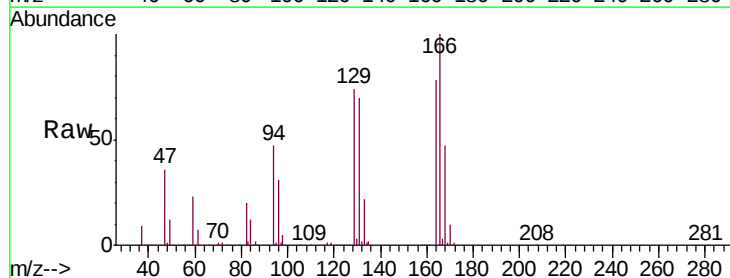
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

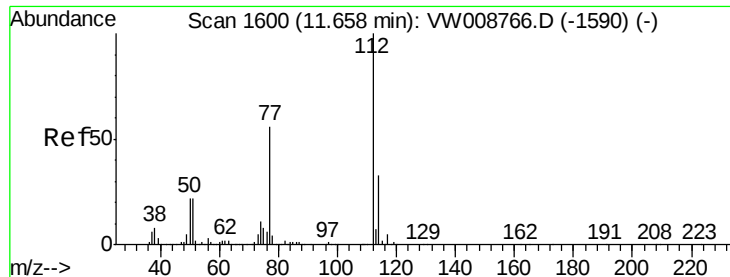
Tgt Ion:117 Resp: 434272
Ion Ratio Lower Upper
117 100
82 54.7 42.2 63.4
119 31.4 25.9 38.9



#64
Tetrachloroethene
Concen: 146.731 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion:164 Resp: 456126
Ion Ratio Lower Upper
164 100
166 127.5 99.5 149.3
129 93.8 71.1 106.7
131 89.0 69.8 104.8

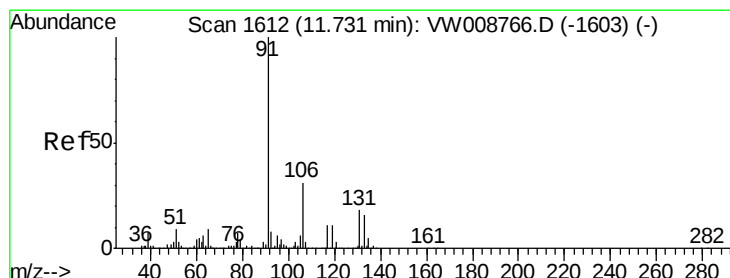
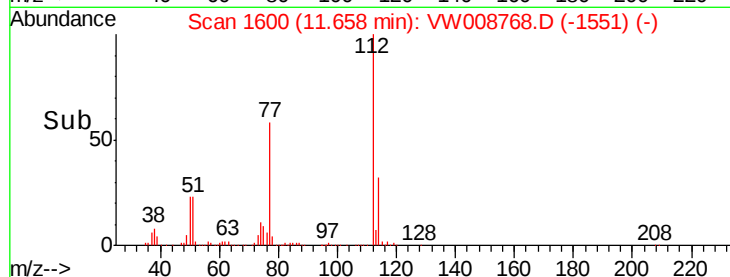
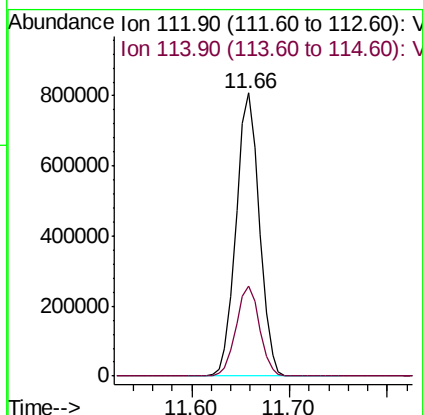
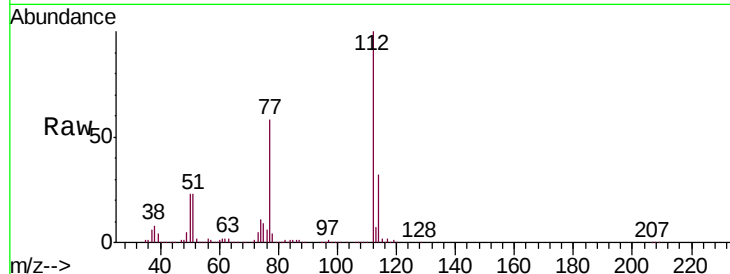




#65
Chlorobenzene
Concen: 146.088 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

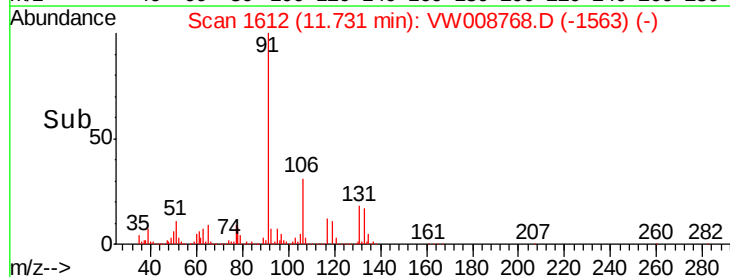
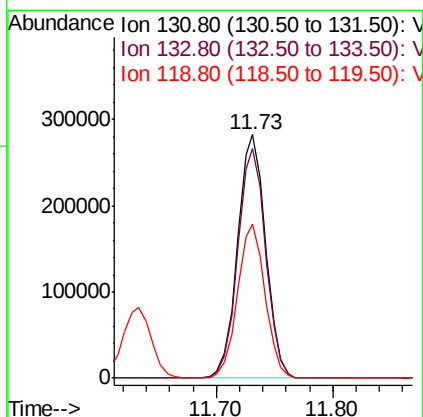
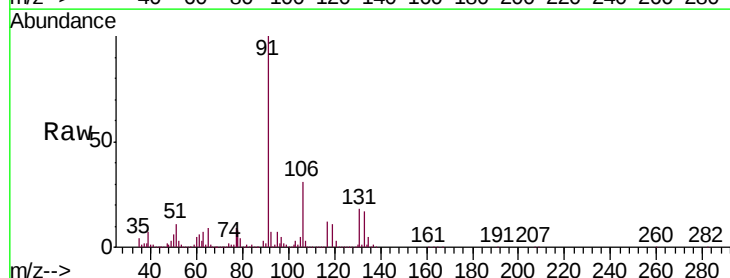
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

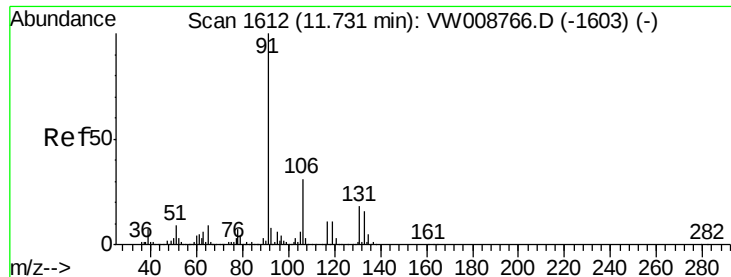
Tgt Ion:112 Resp: 1333999
Ion Ratio Lower Upper
112 100
114 31.9 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 153.174 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion:131 Resp: 472938
Ion Ratio Lower Upper
131 100
133 94.2 46.7 140.0
119 62.3 30.8 92.4

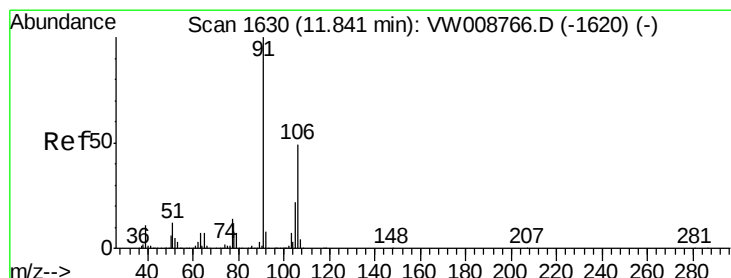
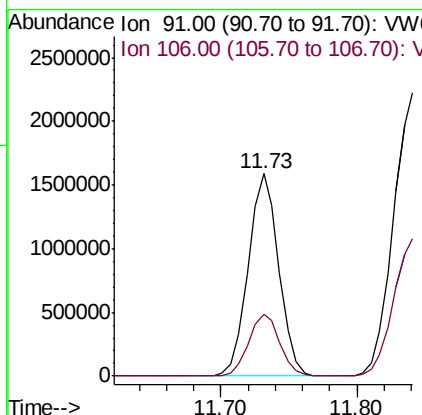
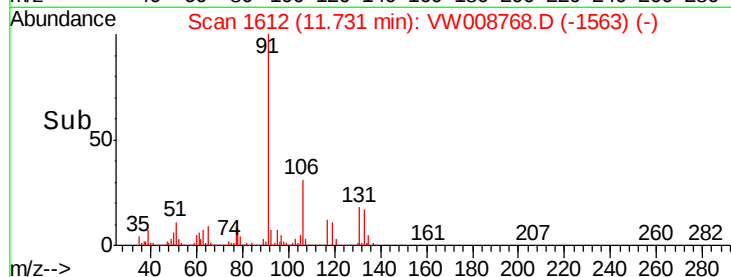
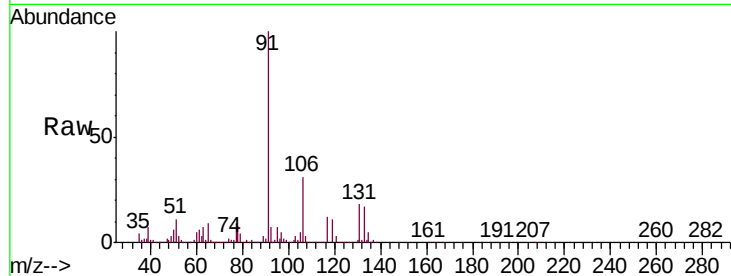




#67
Ethyl Benzene
Concen: 152.884 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

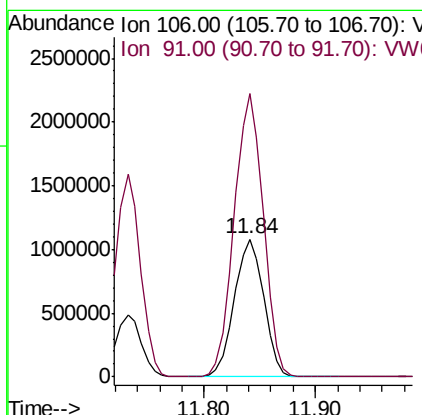
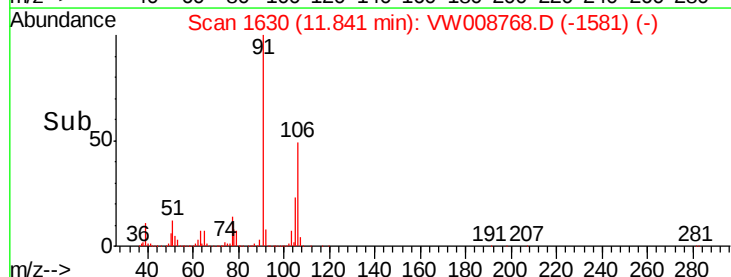
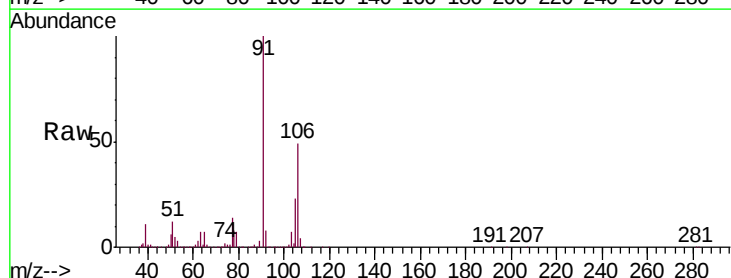
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

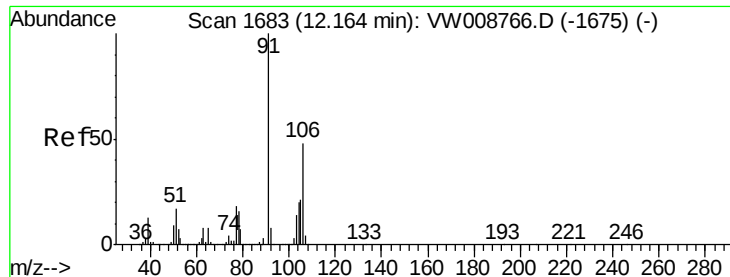
Tgt Ion: 91 Resp: 2495676
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.6



#68
m/p-Xylenes
Concen: 302.805 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion: 106 Resp: 1974977
Ion Ratio Lower Upper
106 100
91 203.6 161.5 242.3

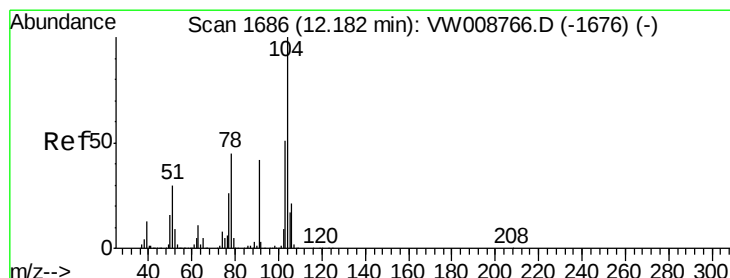
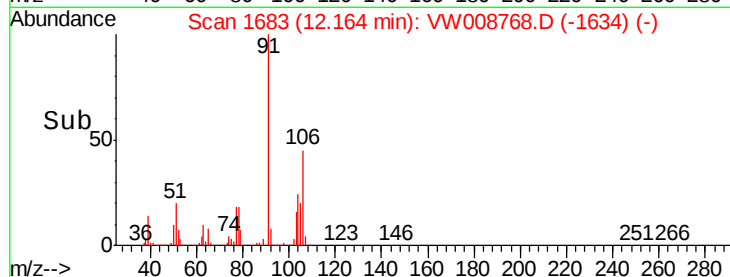
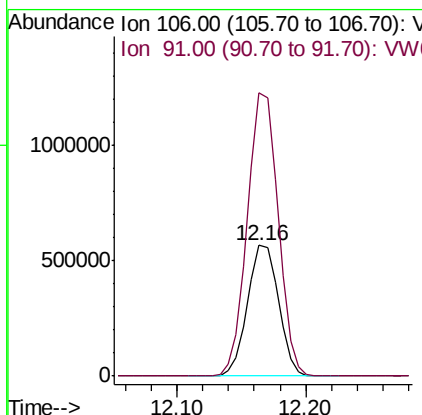
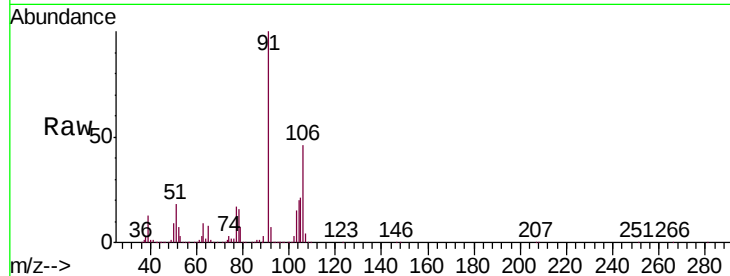




#69
o-Xylene
Concen: 154.034 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

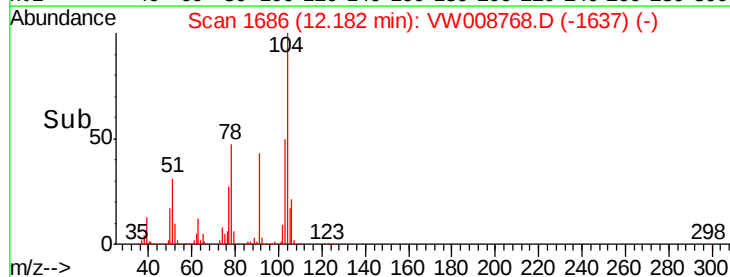
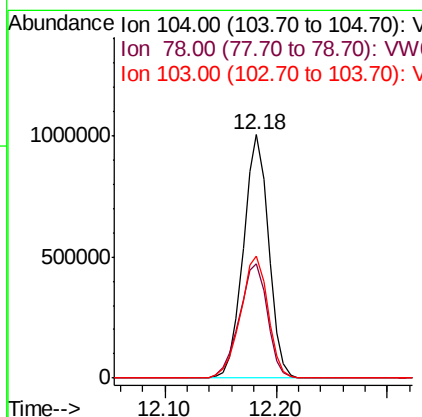
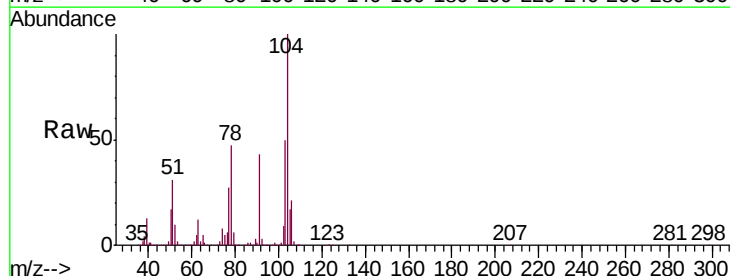
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

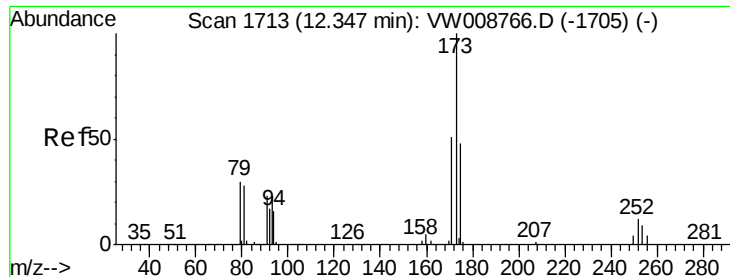
Tgt Ion:106 Resp: 942973
Ion Ratio Lower Upper
106 100
91 214.9 106.2 318.6



#70
Styrene
Concen: 160.368 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion:104 Resp: 1579477
Ion Ratio Lower Upper
104 100
78 52.2 40.8 61.2
103 54.6 44.2 66.2

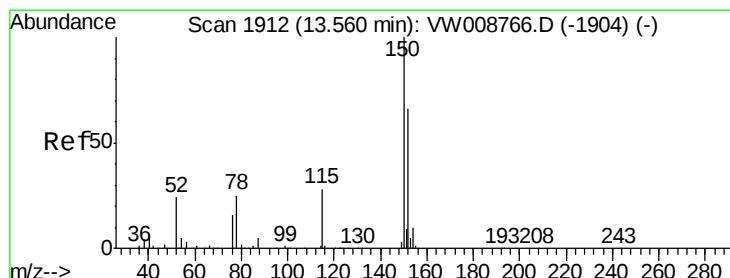
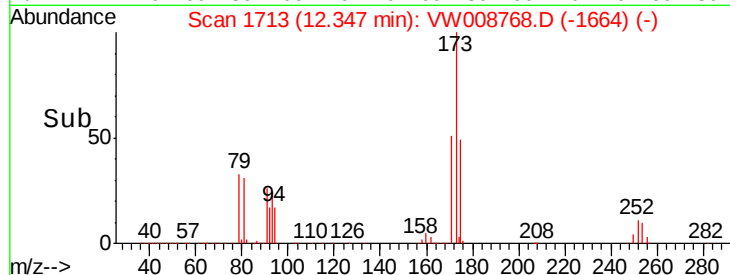
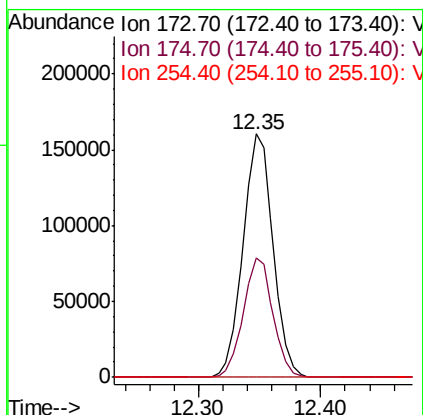
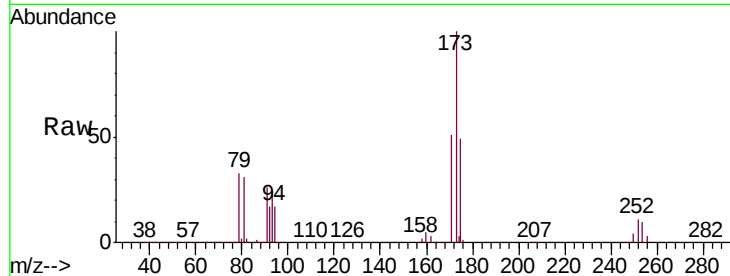




#71
Bromoform
Concen: 163.879 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

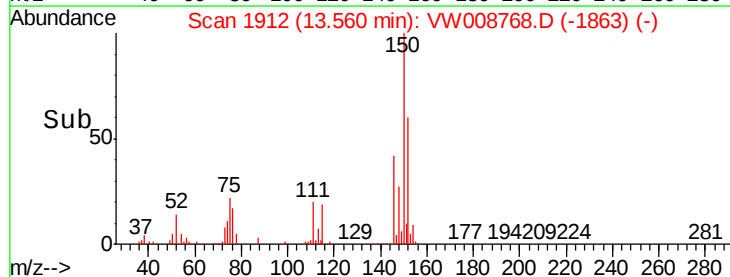
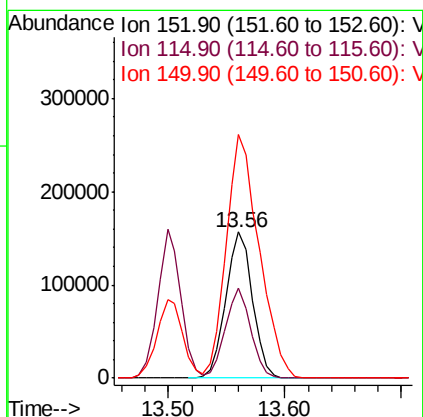
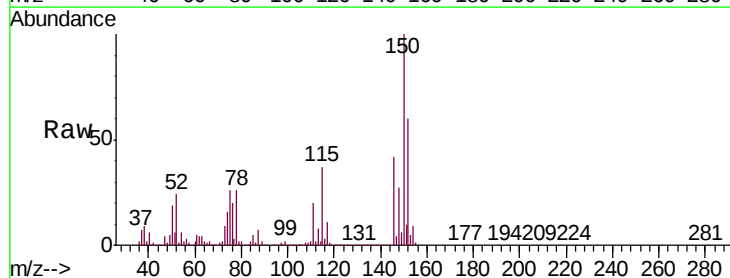
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

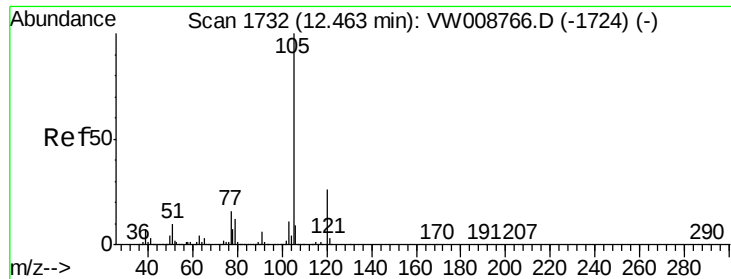
Tgt Ion:173 Resp: 271984
Ion Ratio Lower Upper
173 100
175 48.5 24.2 72.6
254 0.1 0.2 0.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion:152 Resp: 248362
Ion Ratio Lower Upper
152 100
115 58.3 28.6 85.8
150 205.1 0.0 348.0





#73

Isopropylbenzene

Concen: 153.971 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

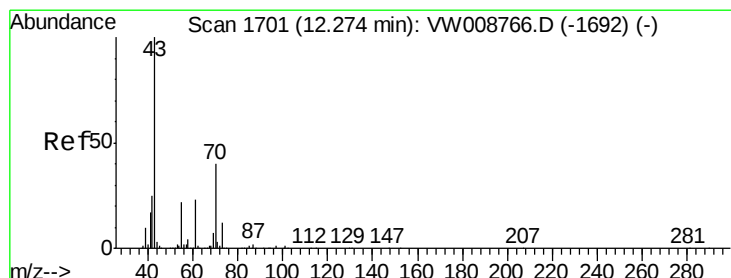
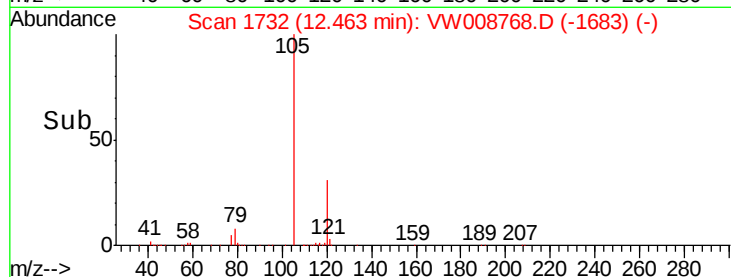
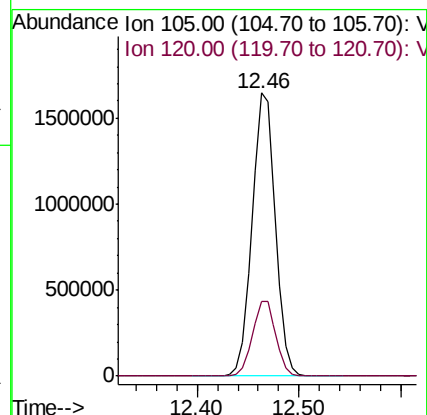
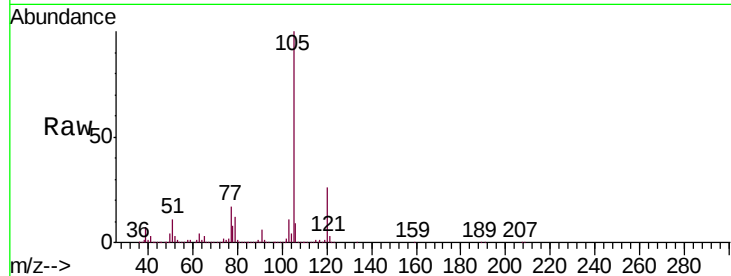
VSTDIC150

Tgt Ion:105 Resp: 2621553

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 168.434 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Tgt Ion: 43 Resp: 722377

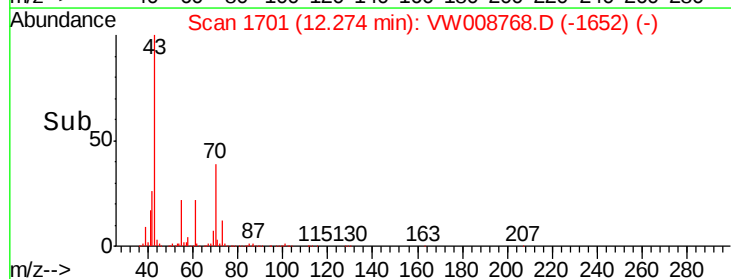
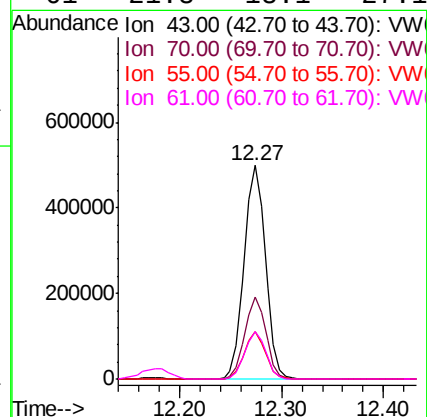
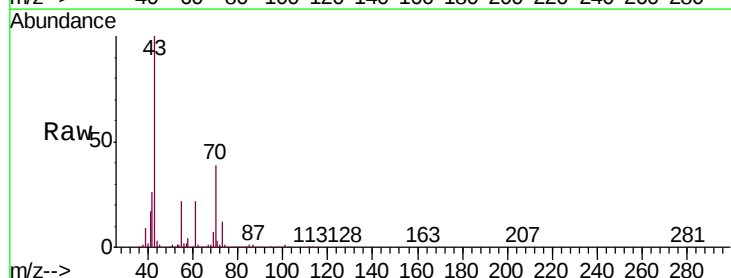
Ion Ratio Lower Upper

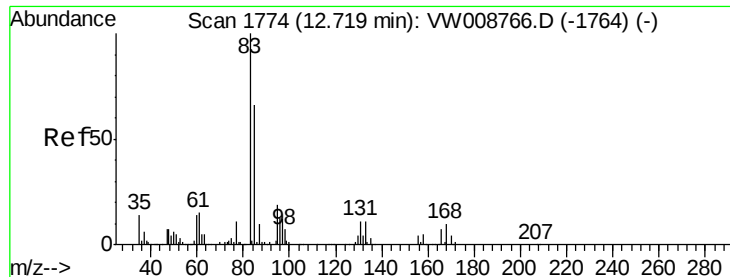
43 100

70 38.0 31.0 46.6

55 21.9 18.7 28.1

61 21.8 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 151.886 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

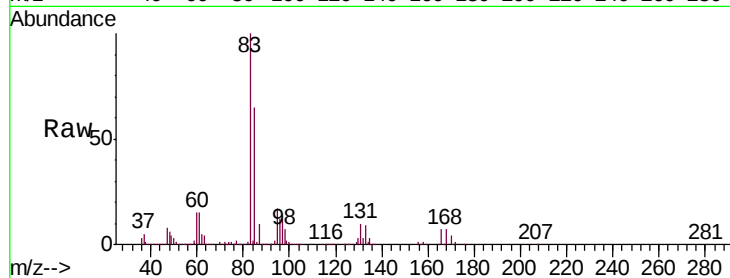
Tgt Ion: 83 Resp: 422549

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.7

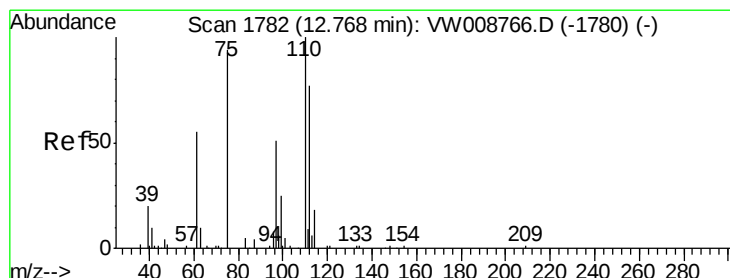
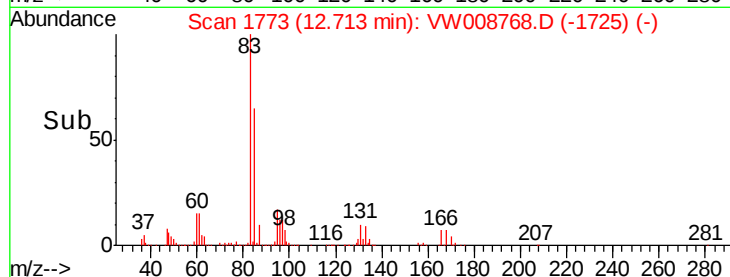
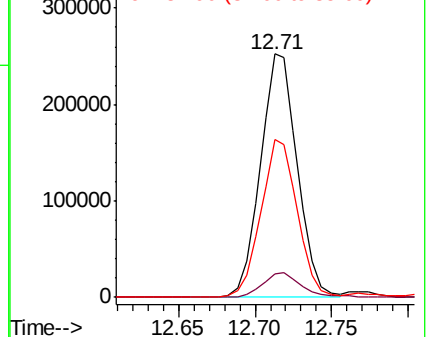
85 64.1 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 278.113 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008768.D

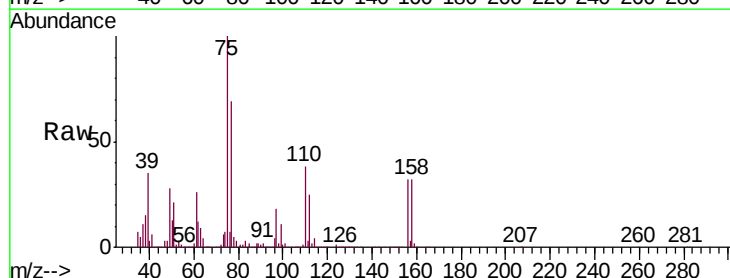
Acq: 21 Feb 2019 13:04

Tgt Ion: 75 Resp: 597593

Ion Ratio Lower Upper

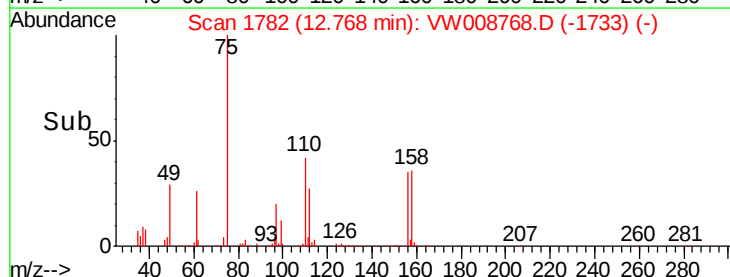
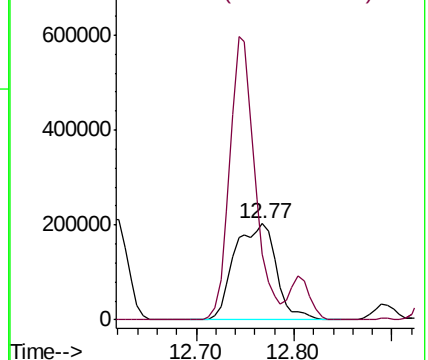
75 100

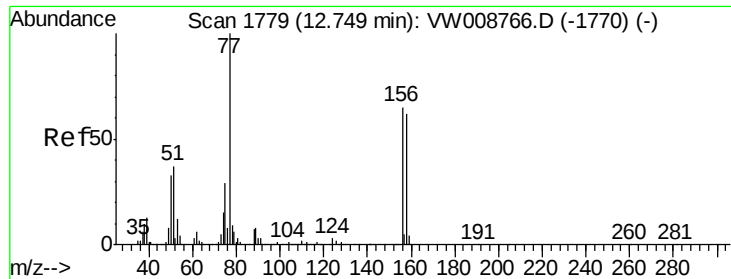
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 143.418 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

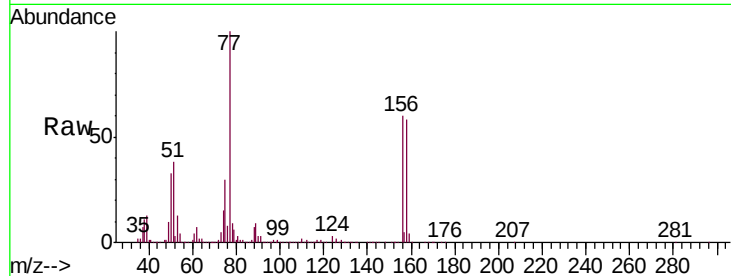
Tgt Ion:156 Resp: 577040

Ion Ratio Lower Upper

156 100

77 186.1 89.1 267.4

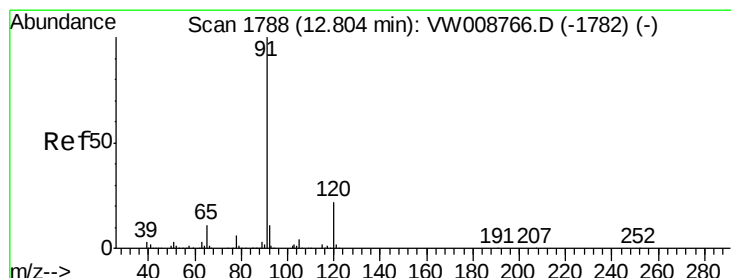
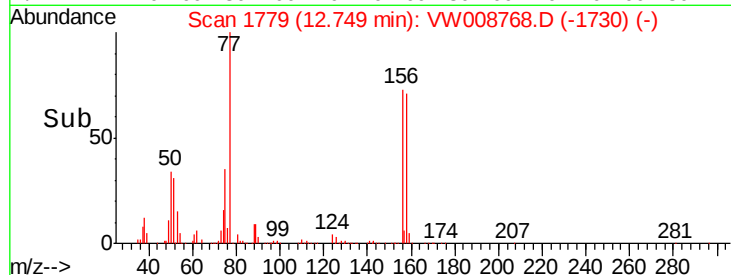
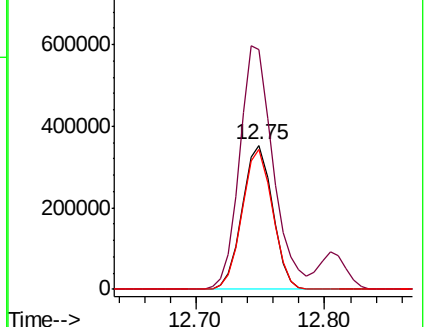
158 96.5 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 154.313 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008768.D

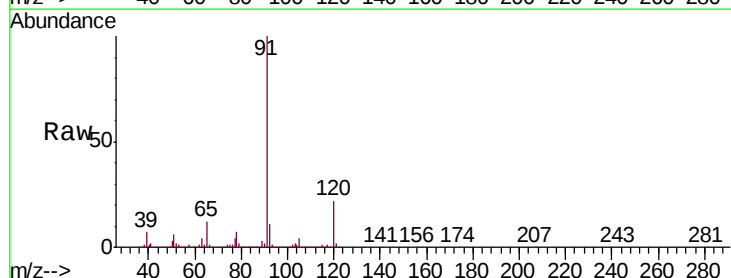
Acq: 21 Feb 2019 13:04

Tgt Ion: 91 Resp: 3213877

Ion Ratio Lower Upper

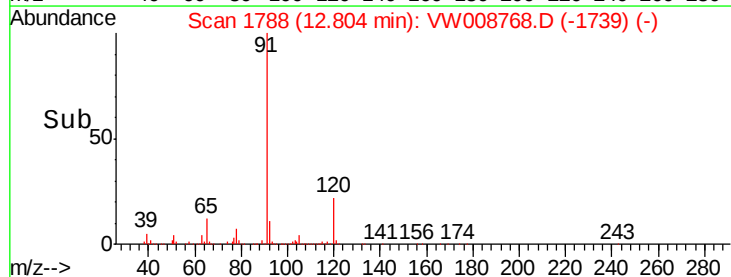
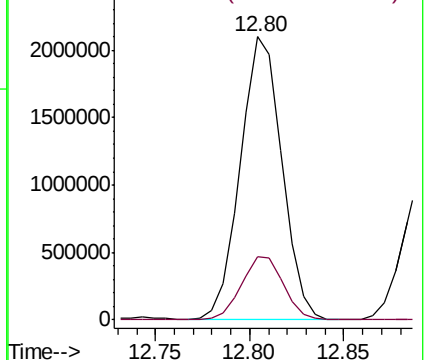
91 100

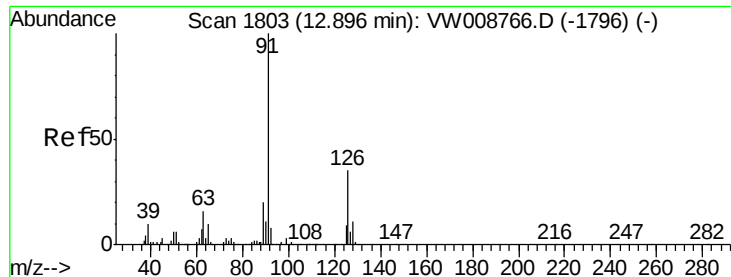
120 22.6 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 149.388 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

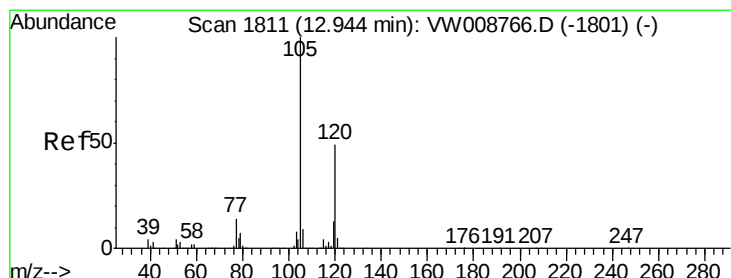
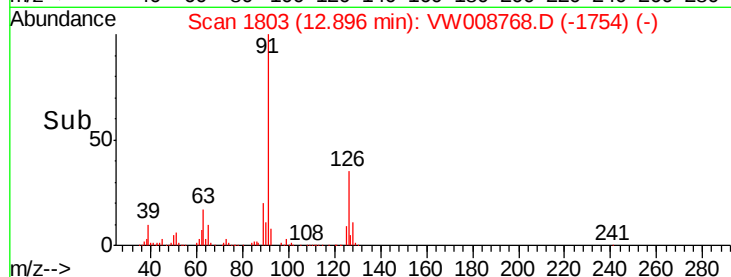
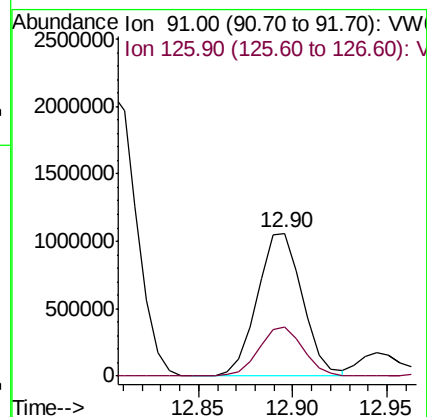
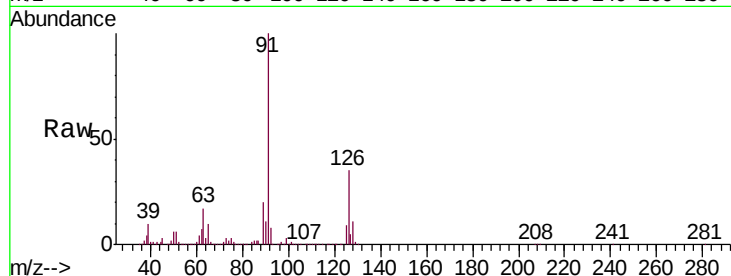
VSTDIC150

Tgt Ion: 91 Resp: 1766470

Ion Ratio Lower Upper

91 100

126 33.5 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 156.390 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008768.D

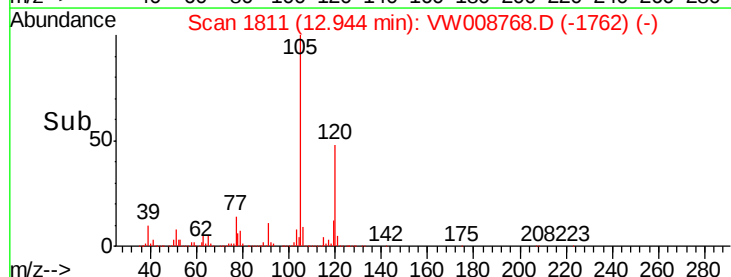
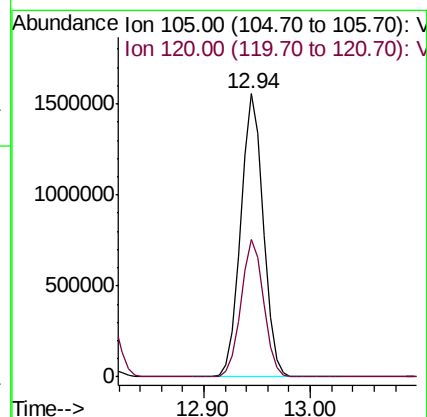
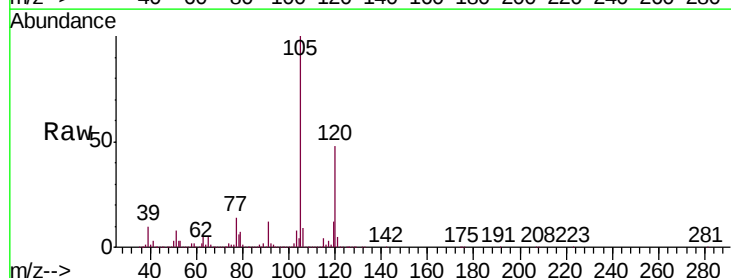
Acq: 21 Feb 2019 13:04

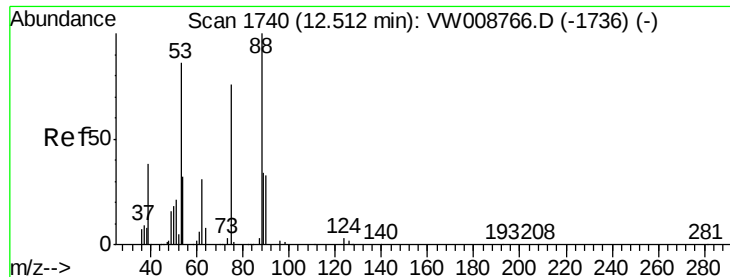
Tgt Ion: 105 Resp: 2313972

Ion Ratio Lower Upper

105 100

120 48.7 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 169.260 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

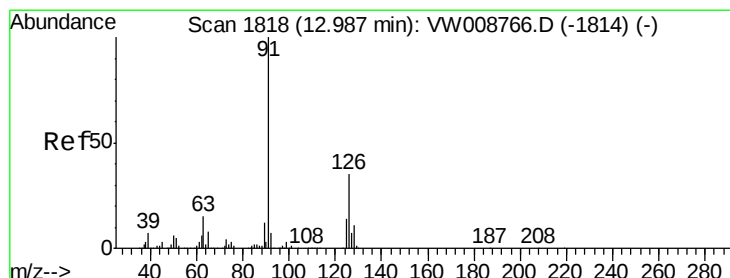
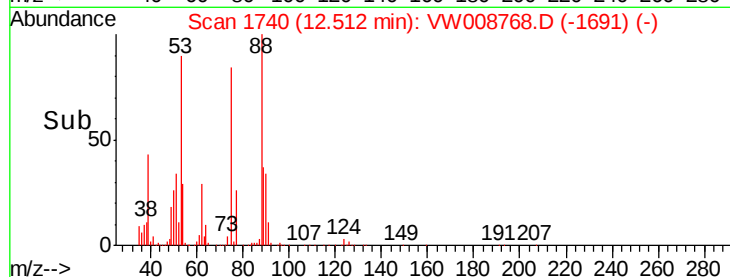
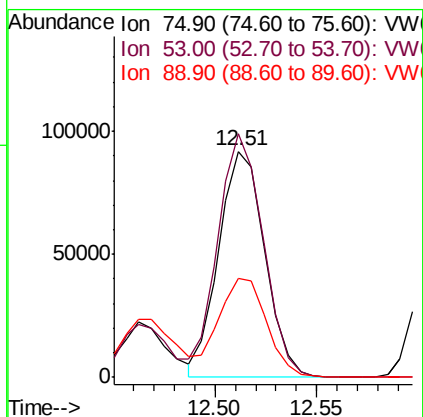
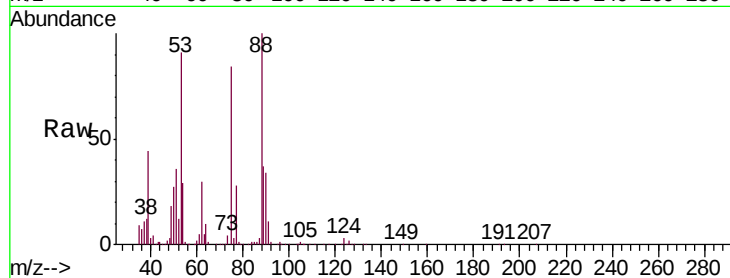
Tgt Ion: 75 Resp: 142767

Ion Ratio Lower Upper

75 100

53 108.7 88.2 132.2

89 47.1 39.5 59.3



#82

4-Chlorotoluene

Concen: 152.098 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW008768.D

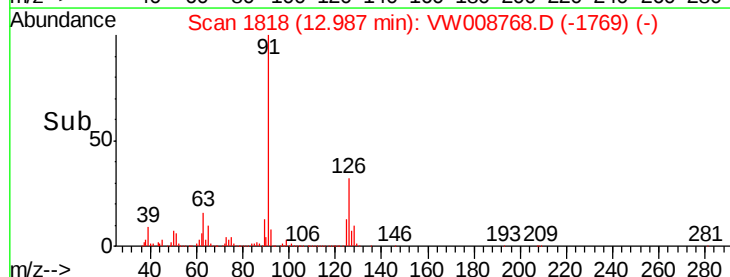
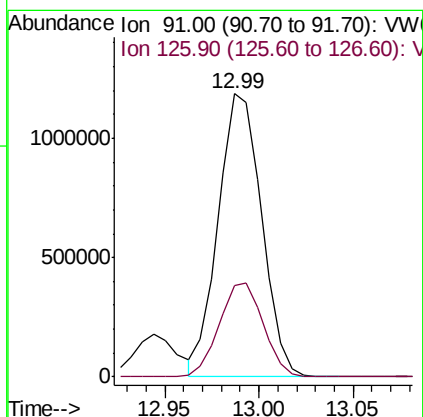
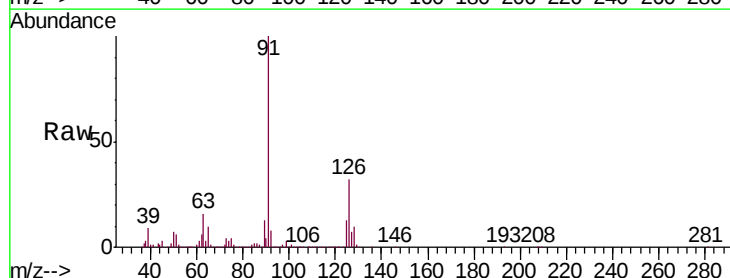
Acq: 21 Feb 2019 13:04

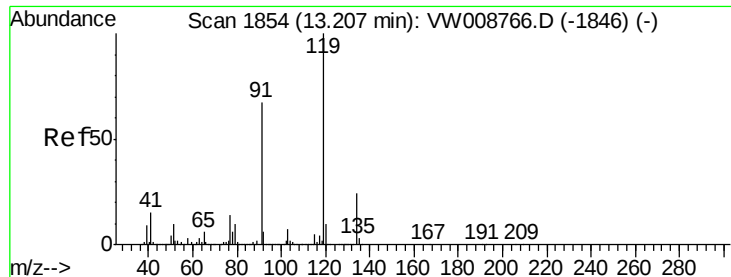
Tgt Ion: 91 Resp: 1895272

Ion Ratio Lower Upper

91 100

126 33.7 17.2 51.6





#83

tert-Butylbenzene

Concen: 152.753 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

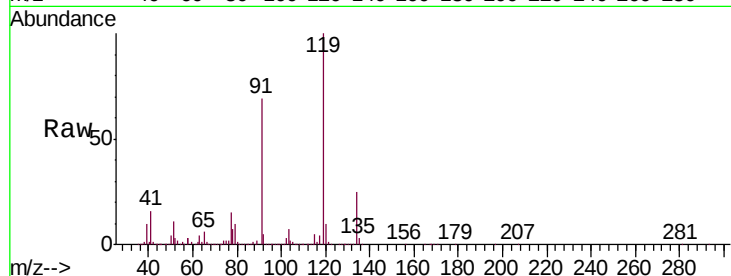
Tgt Ion:119 Resp: 1954266

Ion Ratio Lower Upper

119 100

91 69.1 33.6 100.8

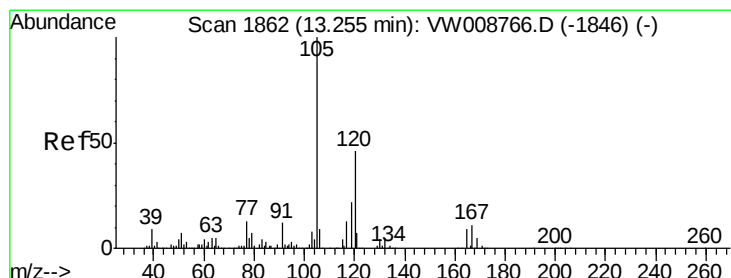
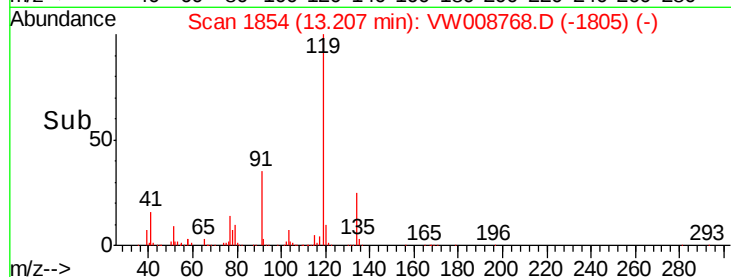
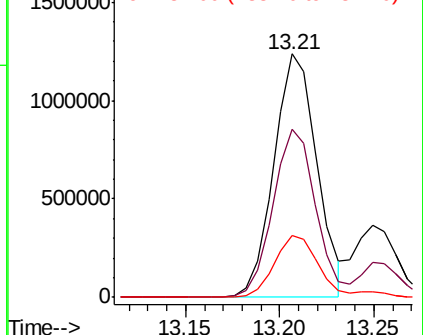
134 27.5 13.7 41.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 157.327 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008768.D

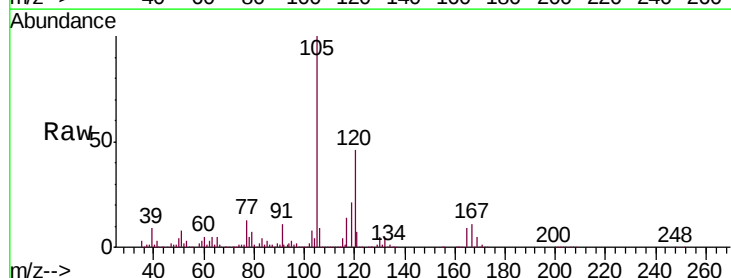
Acq: 21 Feb 2019 13:04

Tgt Ion:105 Resp: 2409679

Ion Ratio Lower Upper

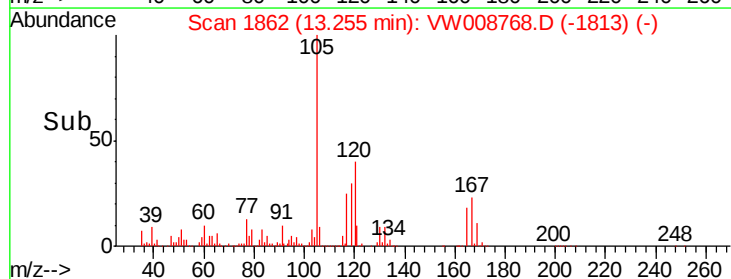
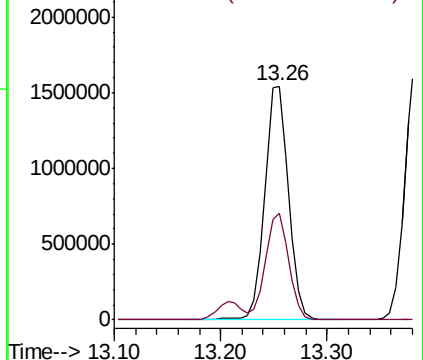
105 100

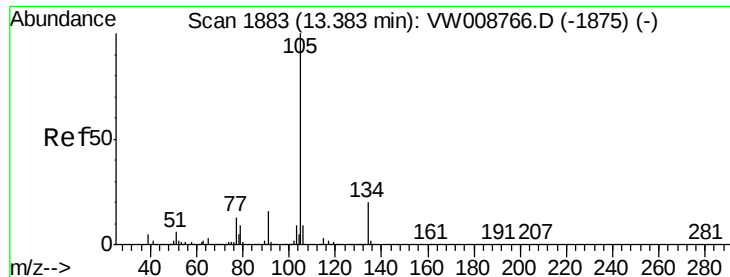
120 44.8 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 156.177 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

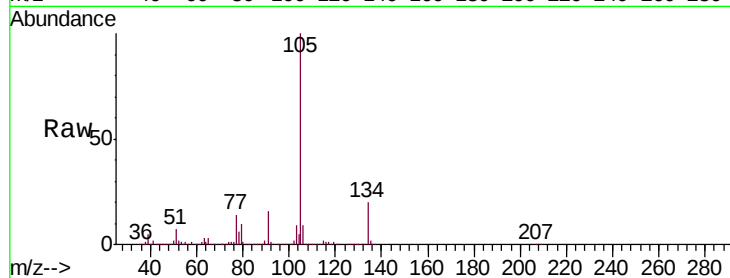
VSTDIC150

Tgt Ion:105 Resp: 2873043

Ion Ratio Lower Upper

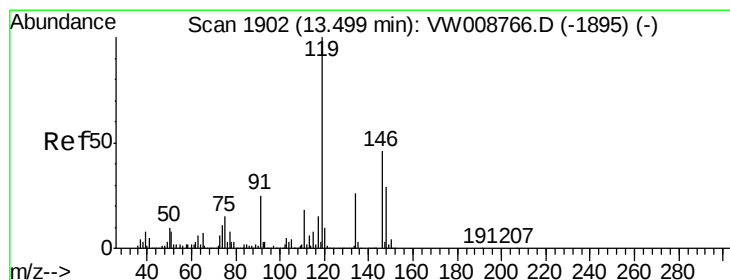
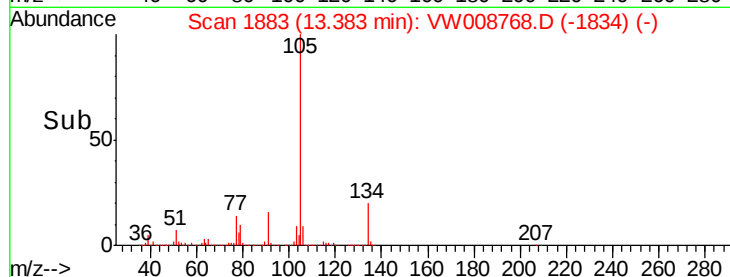
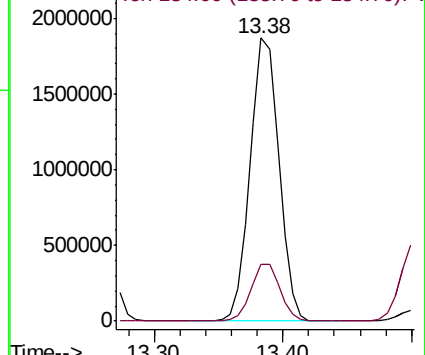
105 100

134 20.3 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 162.763 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

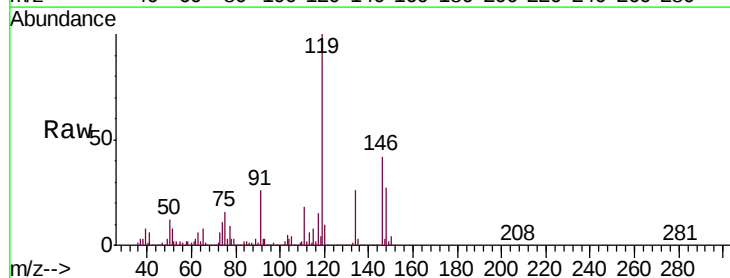
Tgt Ion:119 Resp: 2744878

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

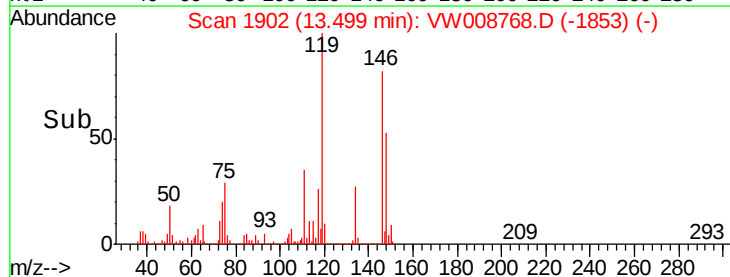
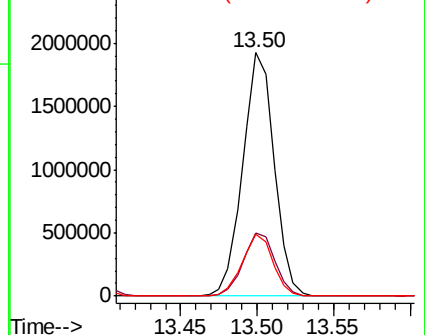
91 24.9 12.1 36.3

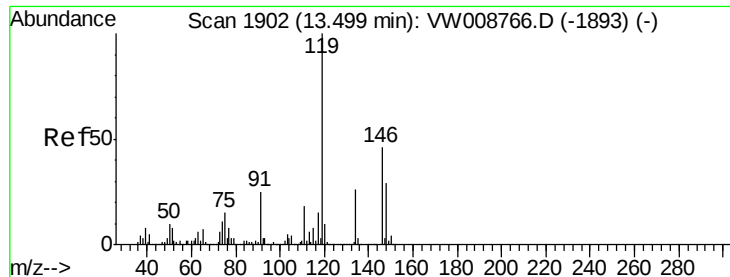


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

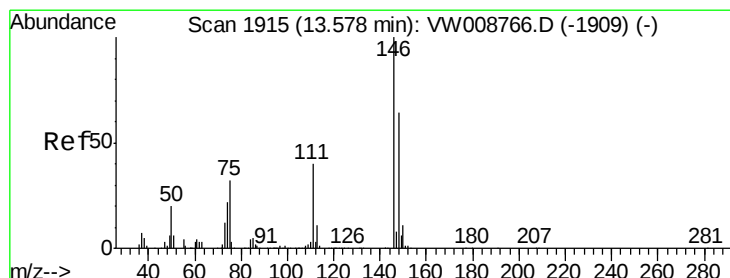
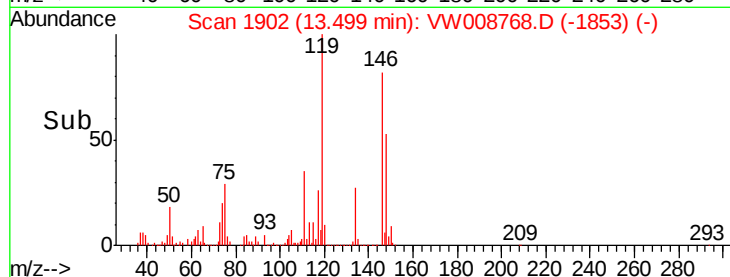
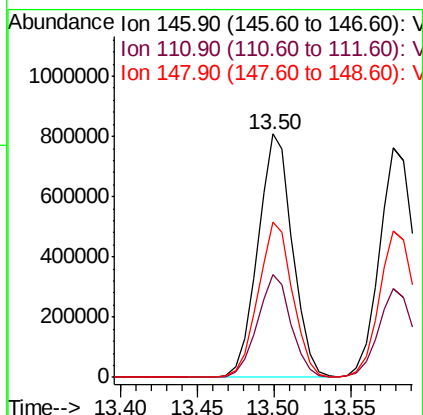
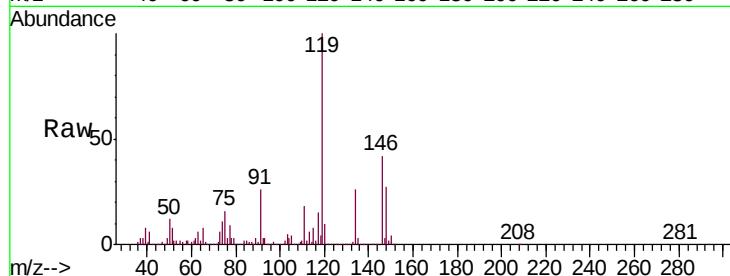




#87
 1,3-Dichlorobenzene
 Concen: 152.185 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

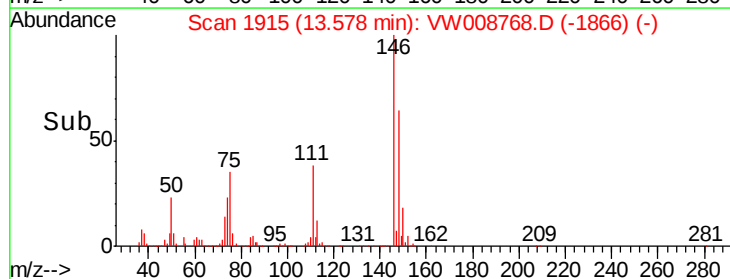
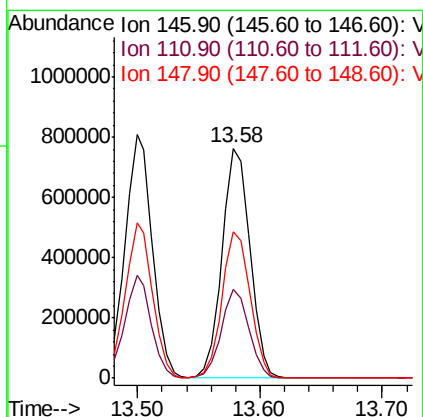
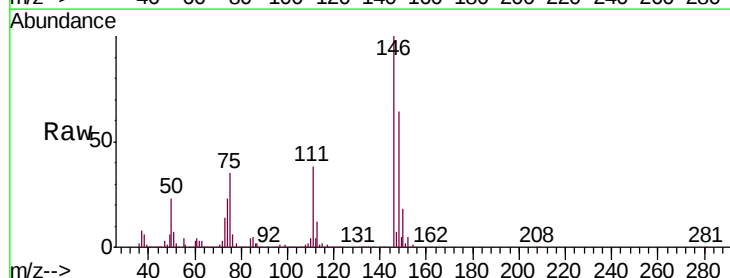
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

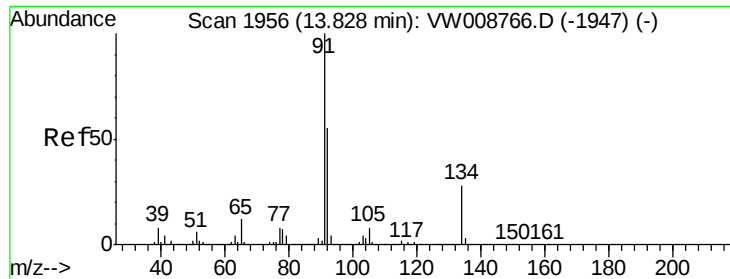
Tgt Ion:146 Resp: 1270407
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.9 59.7
 148 63.4 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 146.352 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion:146 Resp: 1204099
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.3 57.9
 148 64.3 31.9 95.9





#89

n-Butylbenzene

Concen: 161.728 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

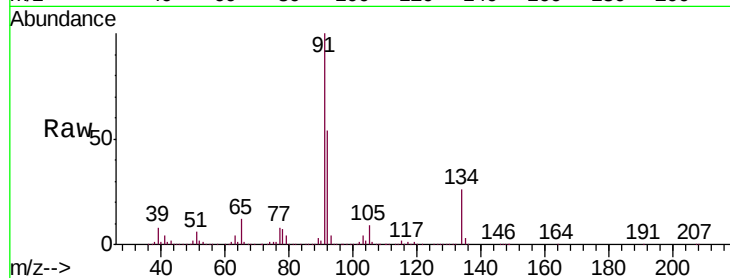
Tgt Ion: 91 Resp: 2555177

Ion Ratio Lower Upper

91 100

92 54.0 26.8 80.4

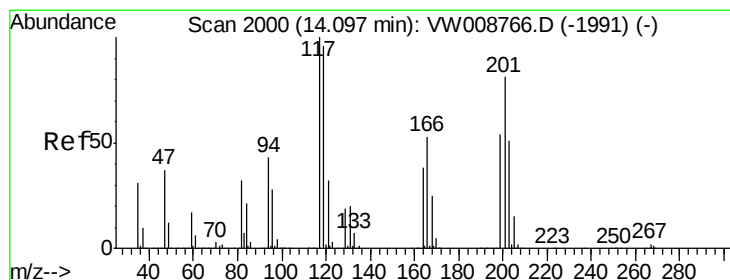
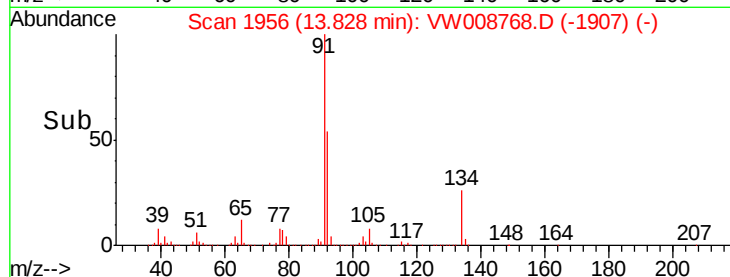
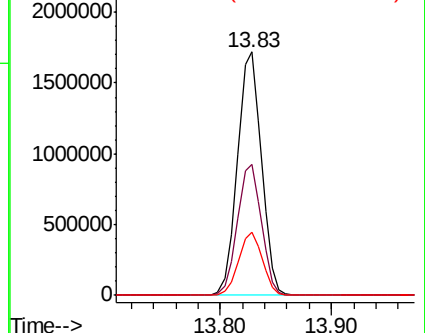
134 25.8 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 161.731 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008768.D

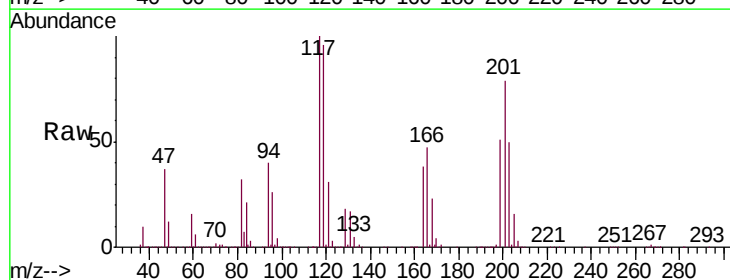
Acq: 21 Feb 2019 13:04

Tgt Ion: 117 Resp: 446501

Ion Ratio Lower Upper

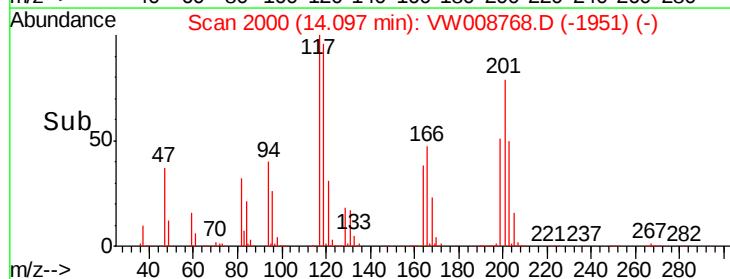
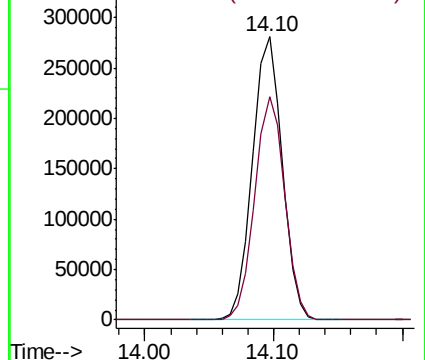
117 100

201 79.8 40.3 120.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

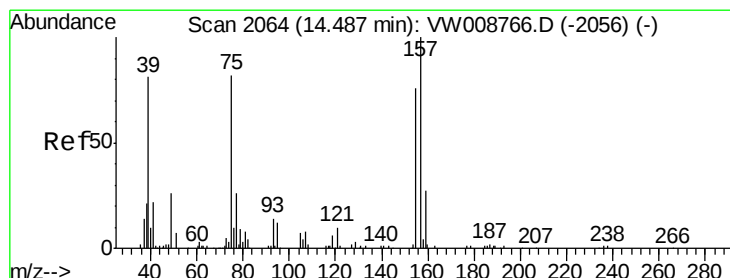
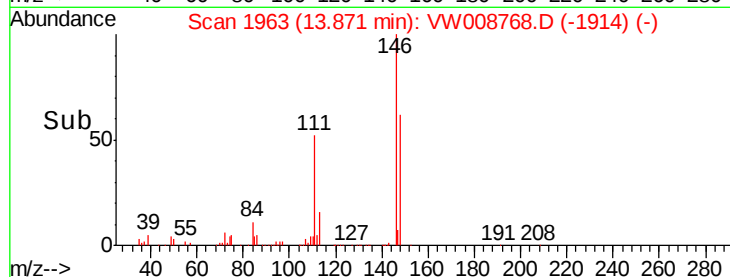
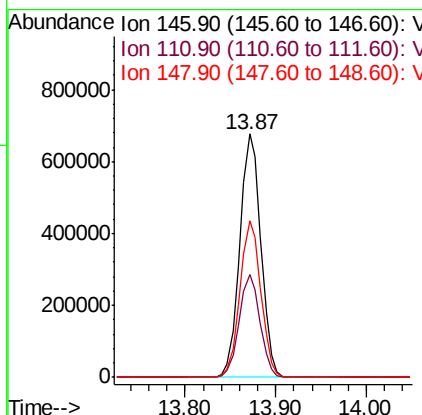
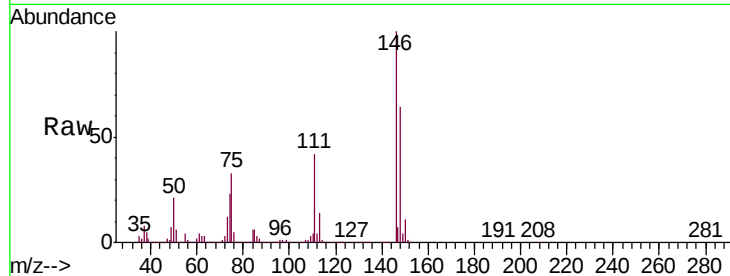




#91
 1,2-Dichlorobenzene
 Concen: 146.247 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

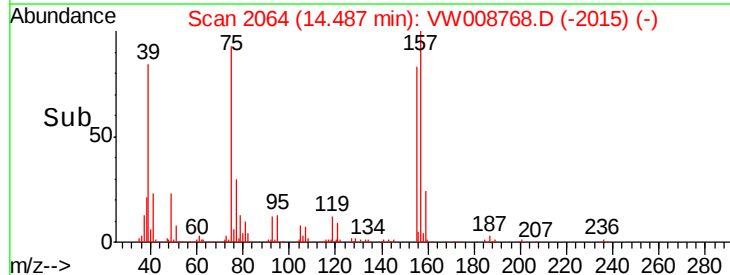
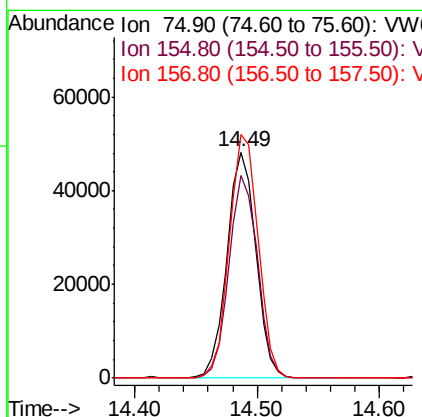
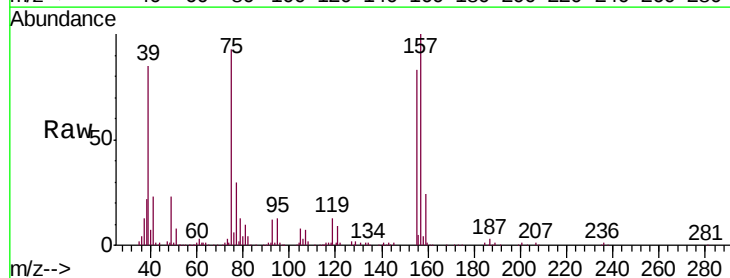
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

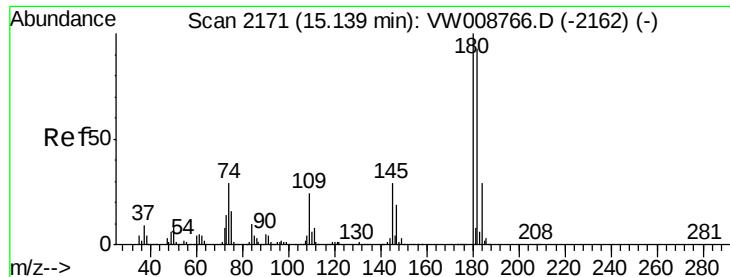
Tgt Ion:146 Resp: 1087792
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.3 60.8
 148 64.0 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 155.093 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion: 75 Resp: 78051
 Ion Ratio Lower Upper
 75 100
 155 88.7 41.8 125.4
 157 108.6 56.6 169.9

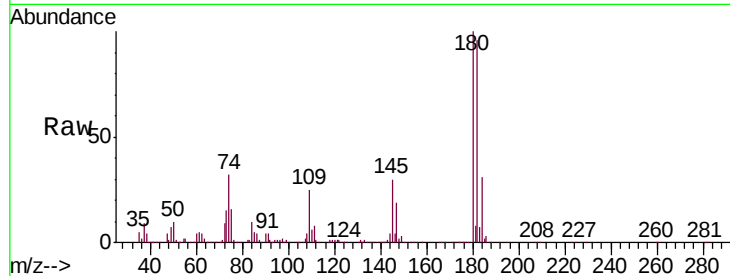




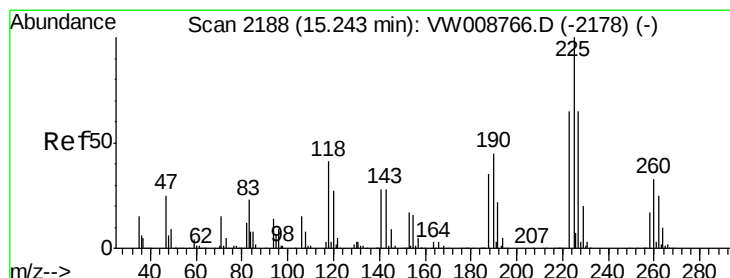
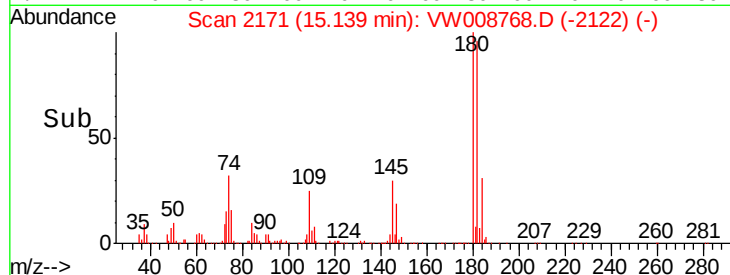
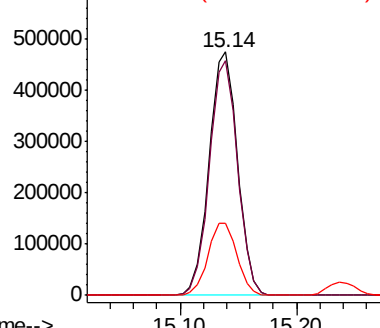
#93
 1,2,4-Trichlorobenzene
 Concen: 150.953 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 808992
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.2 141.6
 145 30.3 14.4 43.0

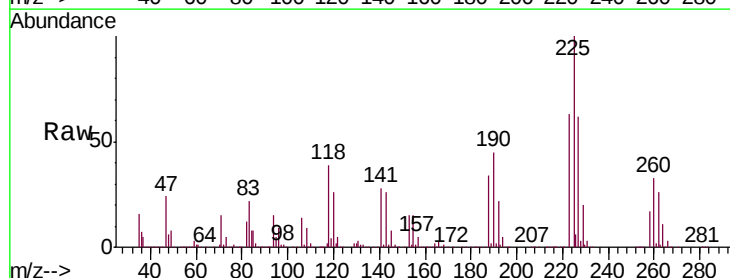


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

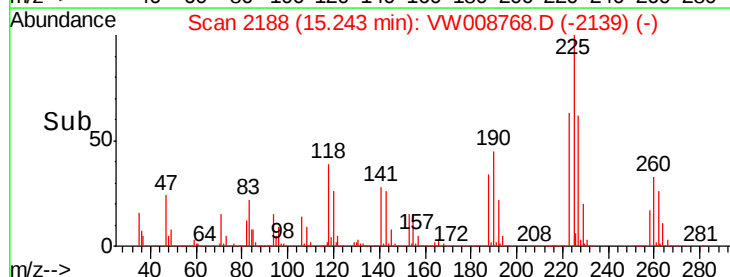
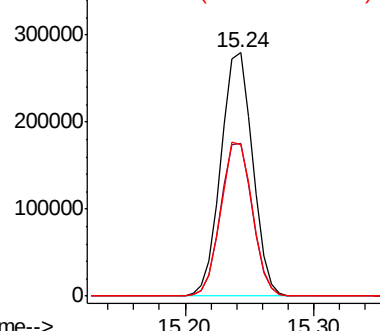


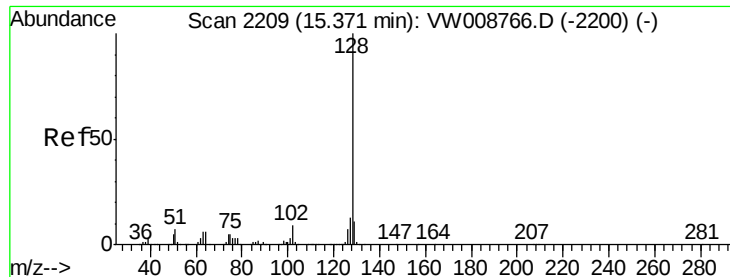
#94
 Hexachlorobutadiene
 Concen: 150.544 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion:225 Resp: 475232
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.5 94.5
 227 62.7 31.6 94.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

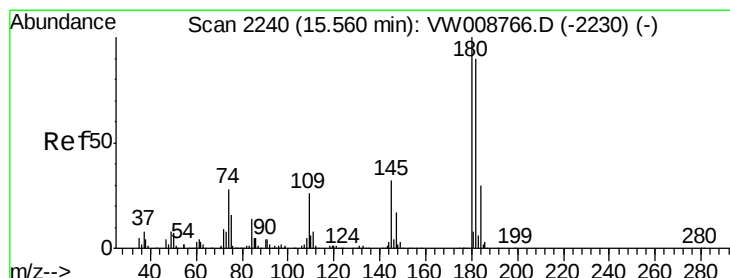
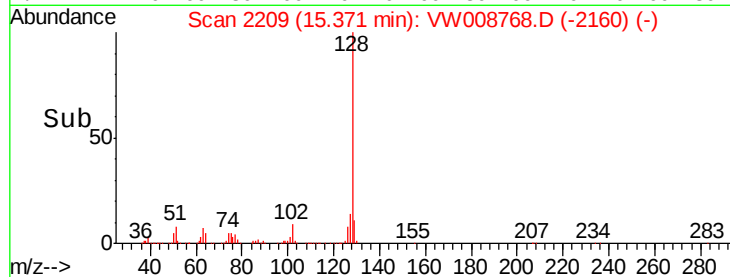
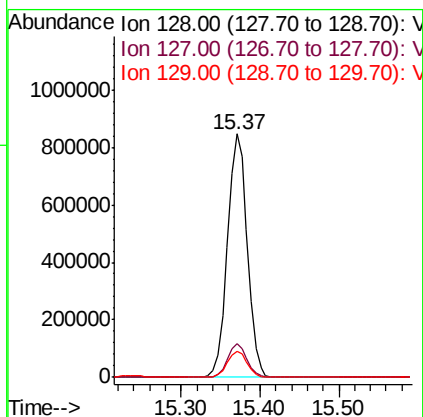
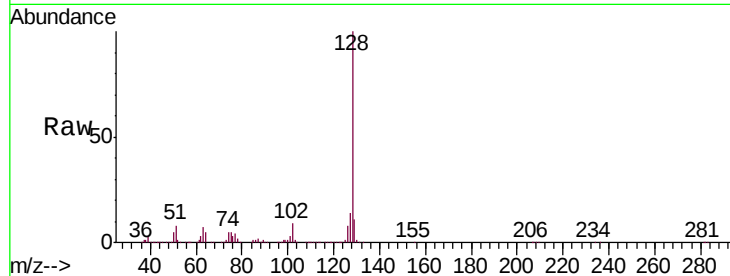




#95
Naphthalene
Concen: 160.935 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1468487
Ion Ratio Lower Upper
128 100
127 13.4 10.8 16.2
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 148.860 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion:180 Resp: 689775
Ion Ratio Lower Upper
180 100
182 95.4 46.9 140.8
145 31.6 15.9 47.6

