

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081918\
 Data File : VW004736.D
 Acq On : 17 Aug 2018 16:20
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: Aug 18 01:26:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:25:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	695311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1057243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1001531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	539492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	64683	9.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.24%	
35) Dibromofluoromethane	7.88	113	65161	9.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.28%	
50) Toluene-d8	10.33	98	248698	9.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.86%	
62) 4-Bromofluorobenzene	12.62	95	88693	9.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	47530	10.320	ug/l	99
3) Chloromethane	2.21	50	61074	10.142	ug/l	97
4) Vinyl Chloride	2.37	62	92575	10.444	ug/l	94
5) Bromomethane	2.78	94	57009	10.414	ug/l	98
6) Chloroethane	2.92	64	52574	9.830	ug/l	99
7) Trichlorofluoromethane	3.25	101	42677	10.220	ug/l	97
8) Diethyl Ether	3.68	74	39476	10.456	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	75131	10.449	ug/l	99
10) Methyl Iodide	4.26	142	110631	10.131	ug/l	100
11) Tert butyl alcohol	5.22	59	18453	48.751	ug/l	100
12) 1,1-Dichloroethene	4.03	96	74710	10.427	ug/l	99
13) Acrolein	3.89	56	25959	51.508	ug/l	97
14) Allyl chloride	4.67	41	107806	9.914	ug/l	100
15) Acrylonitrile	5.37	53	79890	50.457	ug/l	99
16) Acetone	4.14	43	93220	54.323	ug/l	95
17) Carbon Disulfide	4.37	76	240880	10.229	ug/l	99
18) Methyl Acetate	4.68	43	36775	10.000	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	91467	9.834	ug/l	96
20) Methylene Chloride	4.91	84	107952	11.526	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	78205	10.258	ug/l	97
22) Diisopropyl ether	6.31	45	210070	10.051	ug/l	96
23) Vinyl Acetate	6.26	43	561312	47.481	ug/l	99
24) 1,1-Dichloroethane	6.21	63	140340	10.333	ug/l	99
25) 2-Butanone	7.18	43	122926	50.276	ug/l	98
26) 2,2-Dichloropropane	7.17	77	84650	10.791	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	82843	10.094	ug/l	98
28) Bromochloromethane	7.51	49	57354	10.028	ug/l	99
29) Tetrahydrofuran	7.54	42	60560	48.573	ug/l	98
30) Chloroform	7.68	83	139801	10.466	ug/l	100
31) Cyclohexane	7.96	56	135631	10.324	ug/l	# 86
32) 1,1,1-Trichloroethane	7.87	97	109725	10.363	ug/l	100
36) 1,1-Dichloropropene	8.09	75	110568	10.152	ug/l	100
37) Ethyl Acetate	7.26	43	44466	10.242	ug/l	99
38) Carbon Tetrachloride	8.07	117	102086	10.183	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	130877	9.609	ug/l	100
40) Benzene	8.32	78	324619	10.256	ug/l	99
41) Methacrylonitrile	7.49	41	22651	9.193	ug/l	91
42) 1,2-Dichloroethane	8.40	62	83053	10.232	ug/l	100
43) Isopropyl Acetate	8.43	43	73100	9.373	ug/l	98
44) Trichloroethene	9.09	130	81176	10.103	ug/l	99
45) 1,2-Dichloropropane	9.37	63	78307	10.114	ug/l	100
46) Dibromomethane	9.46	93	40175	10.474	ug/l	98
47) Bromodichloromethane	9.65	83	91196	9.955	ug/l	99
48) Methyl methacrylate	9.44	41	34461	9.417	ug/l	99
49) 1,4-Dioxane	9.48	88	10801	192.737	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	256737	48.711	ug/l	99
52) Toluene	10.39	92	195264	10.286	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	90484	9.804	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	107743	9.792	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	55934	10.259	ug/l	97
56) Ethyl methacrylate	10.65	69	58605	9.099	ug/l	99
57) 1,3-Dichloropropane	10.94	76	96348	10.237	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	144155	47.874	ug/l	99
59) 2-Hexanone	10.98	43	171711	48.082	ug/l	98
60) Dibromochloromethane	11.13	129	61508	10.055	ug/l	98
61) 1,2-Dibromoethane	11.24	107	53504	10.266	ug/l	99
64) Tetrachloroethene	10.87	164	70019	10.230	ug/l	98
65) Chlorobenzene	11.66	112	219897	10.201	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	72945	10.022	ug/l	98
67) Ethyl Benzene	11.74	91	358914	9.822	ug/l	100
68) m/p-Xylenes	11.85	106	280593	19.736	ug/l	99
69) o-Xylene	12.17	106	125856	9.562	ug/l	99
70) Styrene	12.19	104	211784	9.579	ug/l	100
71) Bromoform	12.35	173	38252	9.957	ug/l #	98
73) Isopropylbenzene	12.47	105	352671	9.609	ug/l	100
74) N-amyl acetate	12.28	43	69551	9.040	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	69131	10.168	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	85357	10.682	ug/l #	100
77) Bromobenzene	12.75	156	88569	9.970	ug/l	99
78) n-propylbenzene	12.81	91	432383	9.654	ug/l	100
79) 2-Chlorotoluene	12.90	91	255080	9.881	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	306123	9.818	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	18669	9.124	ug/l	93
82) 4-Chlorotoluene	12.99	91	277213	10.107	ug/l	100
83) tert-Butylbenzene	13.21	119	251336	9.424	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	312777	9.750	ug/l	99
85) sec-Butylbenzene	13.39	105	389243	9.775	ug/l	99
86) p-Isopropyltoluene	13.51	119	336127	9.702	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	182843	10.118	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	186243	10.311	ug/l	98
89) n-Butylbenzene	13.83	91	319679	9.543	ug/l	99
90) Hexachloroethane	14.10	117	61514	9.741	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	164314	10.124	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10280	9.674	ug/l	99

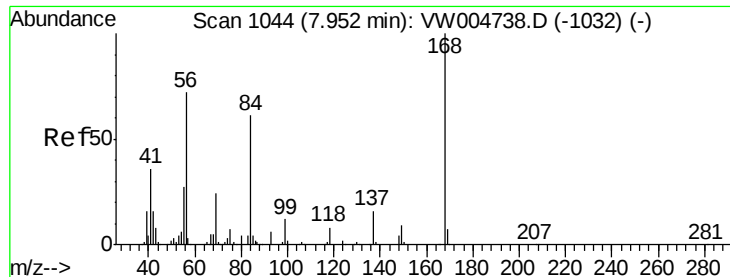
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	109601	9.548	ug/l	98
94) Hexachlorobutadiene	15.25	225	71521	10.150	ug/l	99
95) Naphthalene	15.38	128	175690	8.850	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	98346	9.661	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

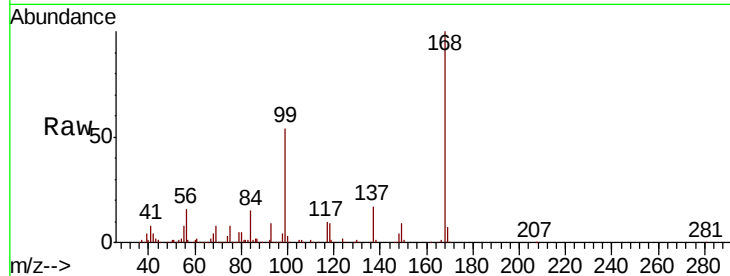
VSTDIC010

Tgt Ion:168 Resp: 695311

Ion Ratio Lower Upper

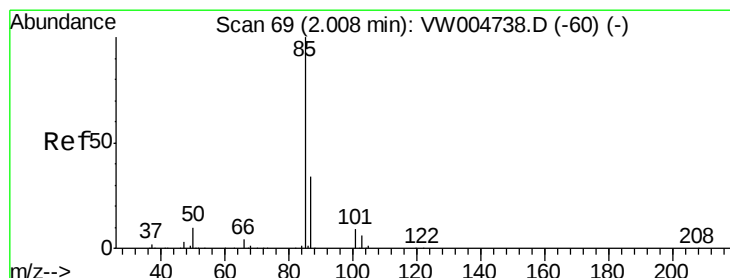
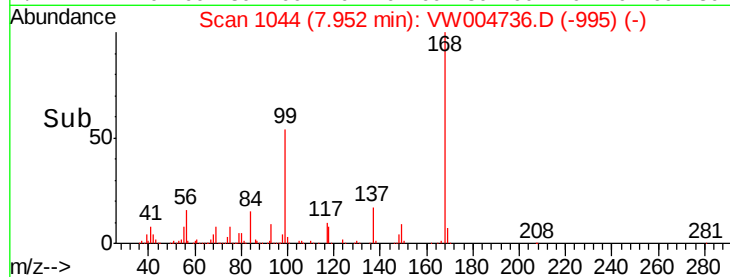
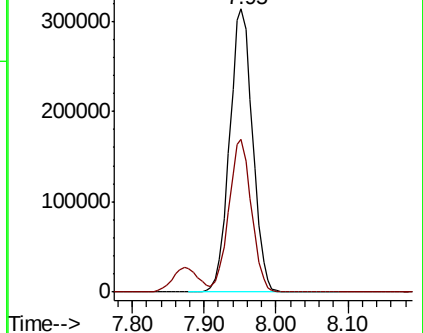
168 100

99 53.9 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 10.320 ug/l

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004736.D

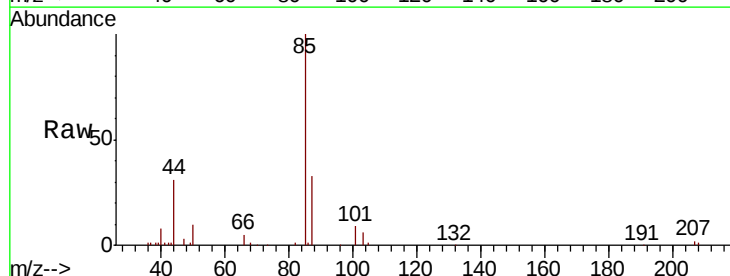
Acq: 17 Aug 2018 16:20

Tgt Ion: 85 Resp: 47530

Ion Ratio Lower Upper

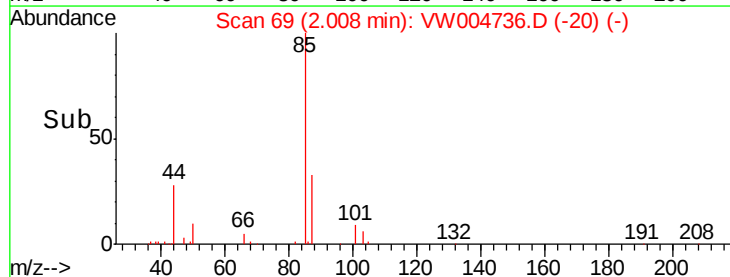
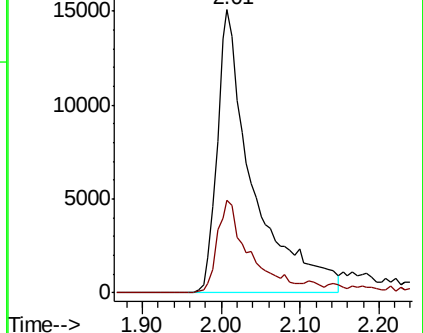
85 100

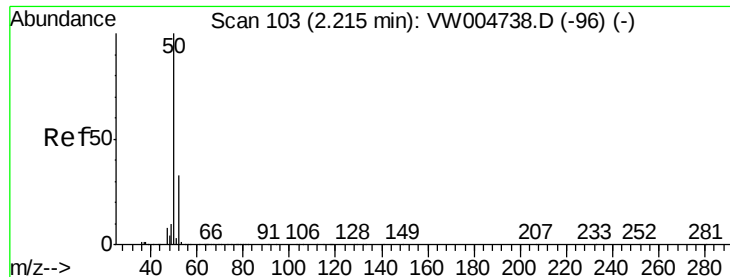
87 32.8 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 10.142 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

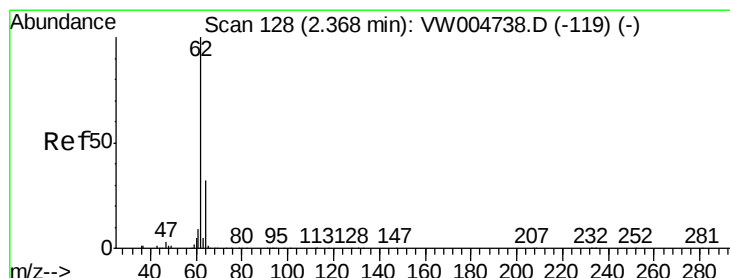
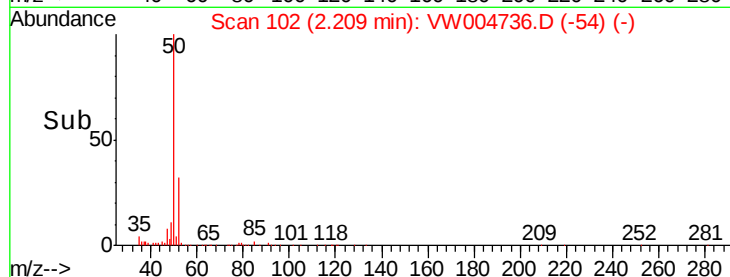
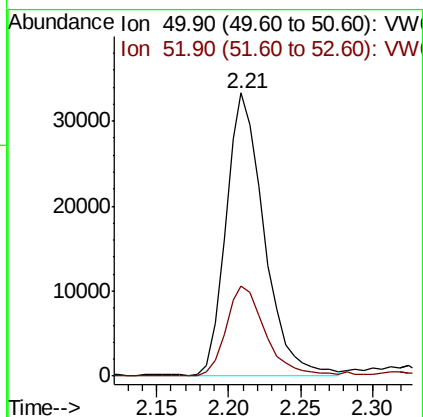
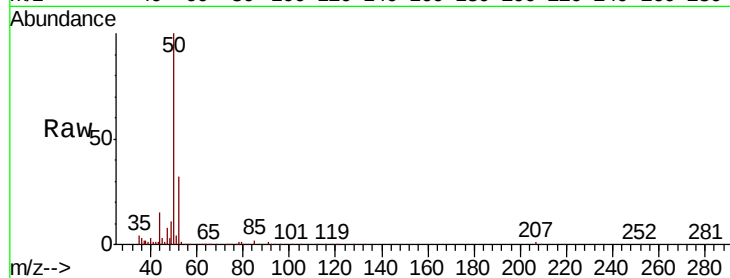
VSTDIC010

Tgt Ion: 50 Resp: 61074

Ion Ratio Lower Upper

50 100

52 31.8 26.7 40.1



#4

Vinyl Chloride

Concen: 10.444 ug/l

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004736.D

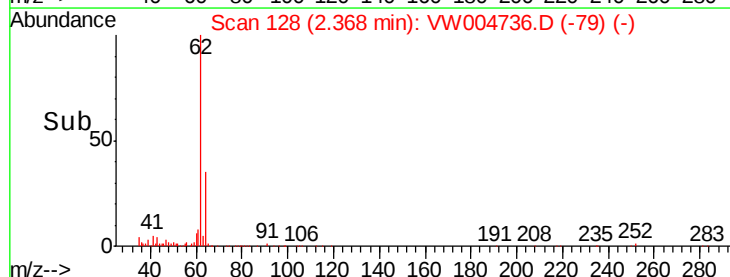
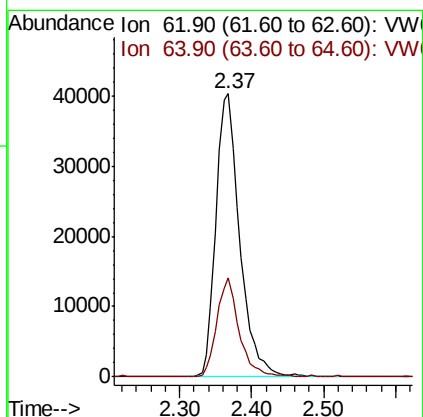
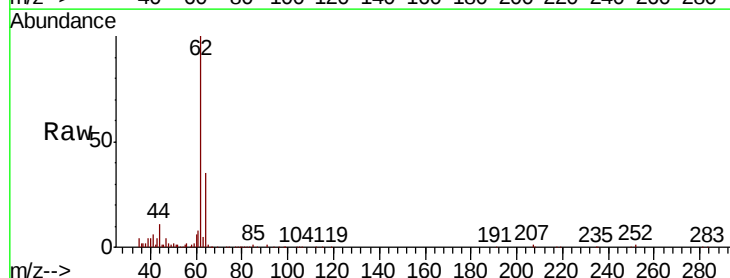
Acq: 17 Aug 2018 16:20

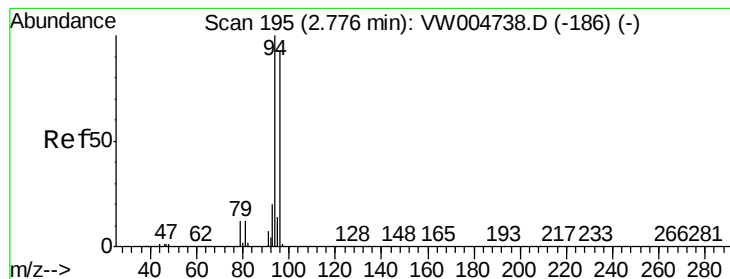
Tgt Ion: 62 Resp: 92575

Ion Ratio Lower Upper

62 100

64 34.9 25.2 37.8





#5

Bromomethane

Concen: 10.414 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

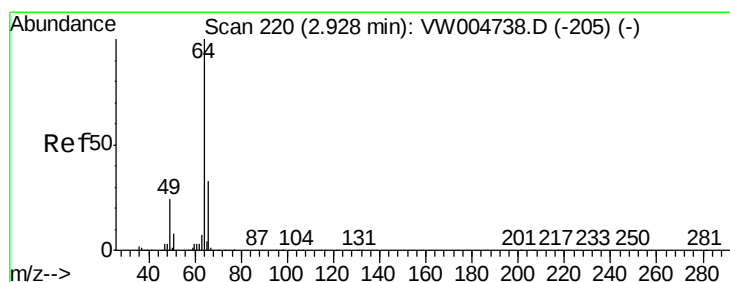
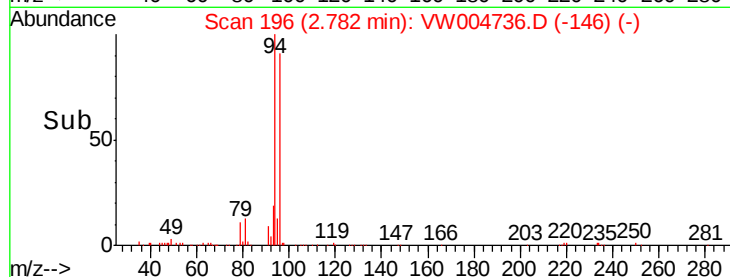
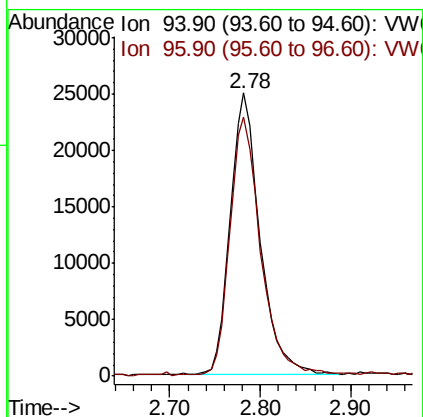
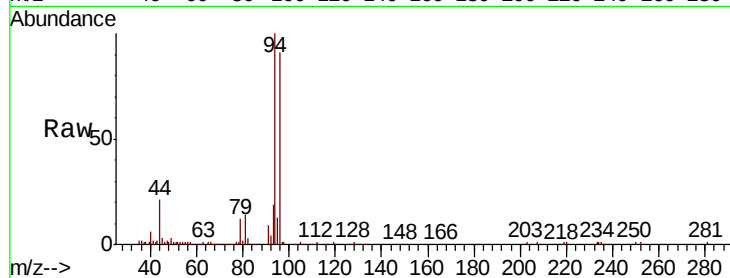
VSTDIC010

Tgt Ion: 94 Resp: 57009

Ion Ratio Lower Upper

94 100

96 91.0 74.3 111.5



#6

Chloroethane

Concen: 9.830 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW004736.D

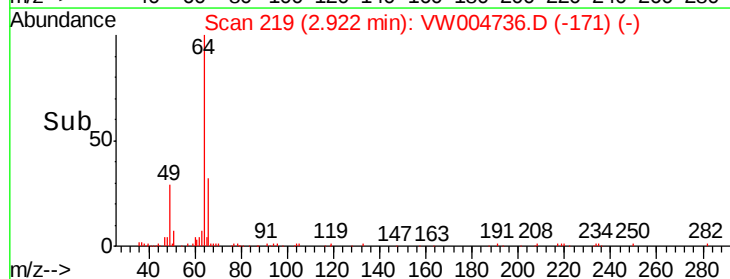
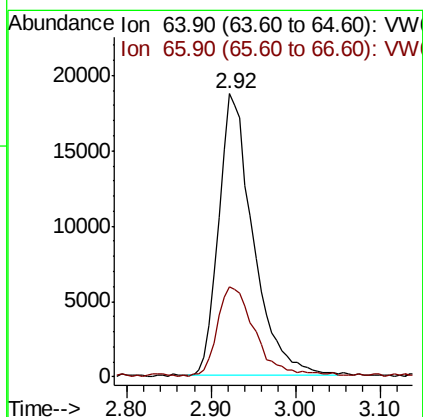
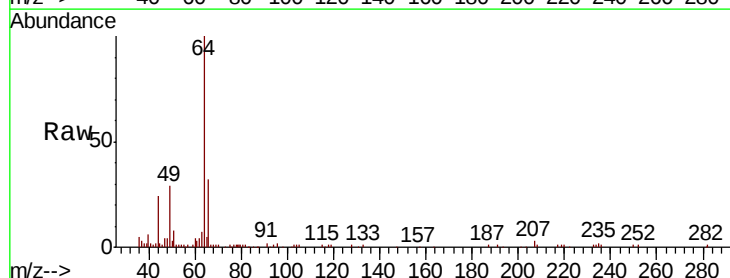
Acq: 17 Aug 2018 16:20

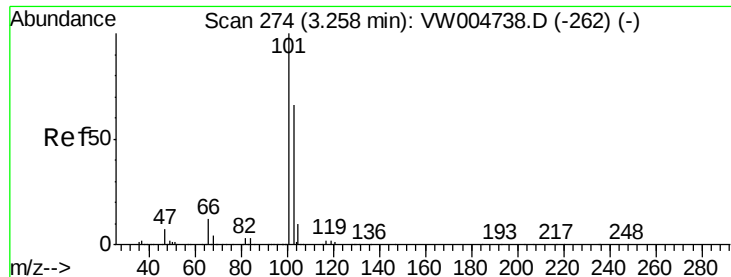
Tgt Ion: 64 Resp: 52574

Ion Ratio Lower Upper

64 100

66 31.8 26.1 39.1



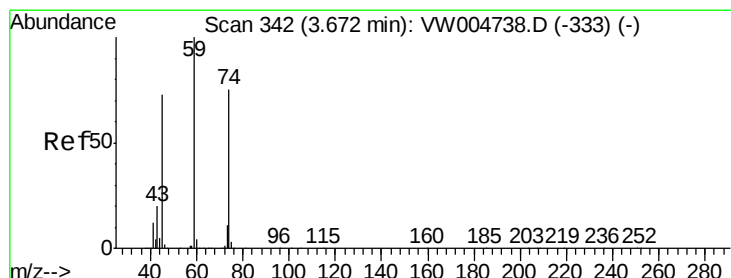
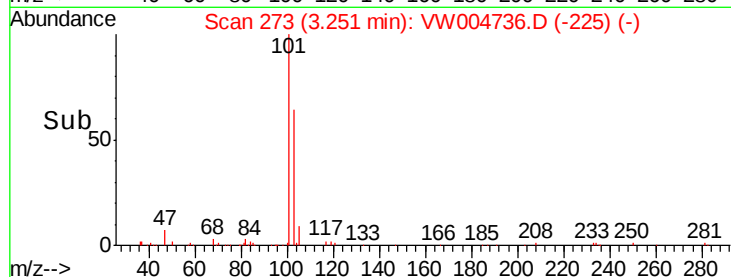
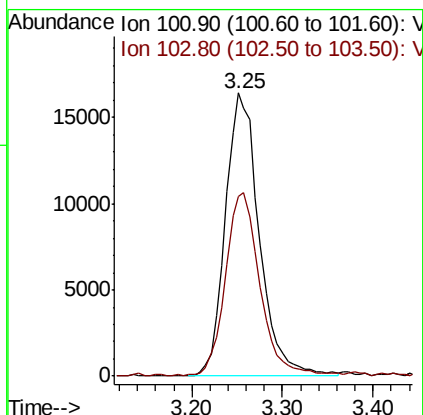
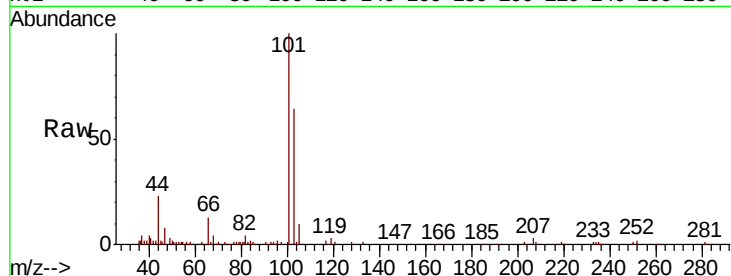


#7

Trichlorofluoromethane
 Concen: 10.220 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

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 VSTDIC010

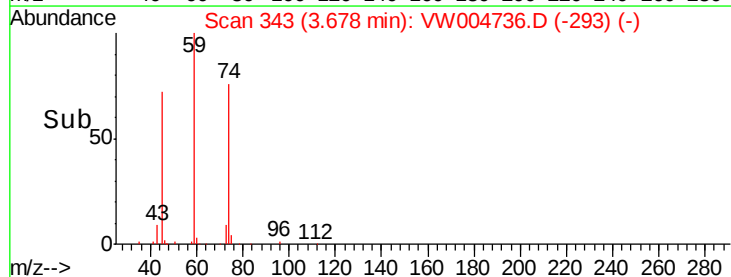
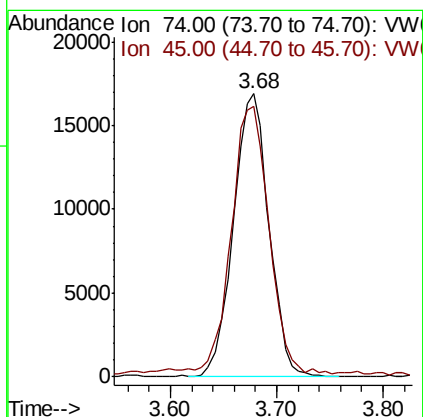
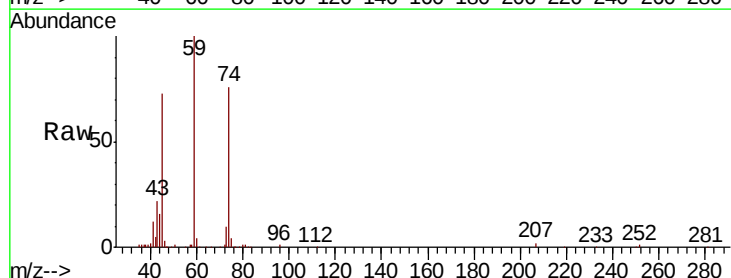
Tgt Ion:101 Resp: 42677
 Ion Ratio Lower Upper
 101 100
 103 63.0 52.5 78.7

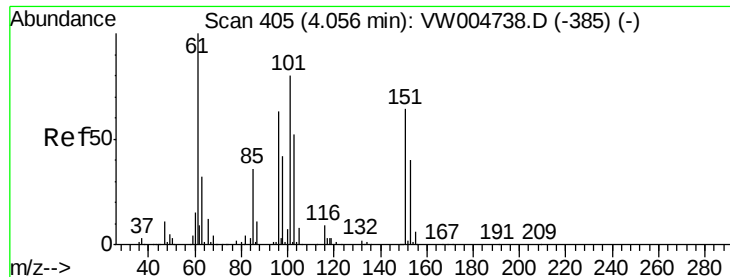


#8

Diethyl Ether
 Concen: 10.456 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion: 74 Resp: 39476
 Ion Ratio Lower Upper
 74 100
 45 100.5 49.8 149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.449 ug/l

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

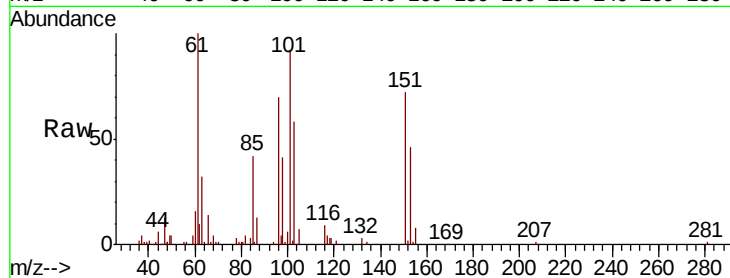
Tgt Ion:101 Resp: 75131

Ion Ratio Lower Upper

101 100

85 42.5 33.9 50.9

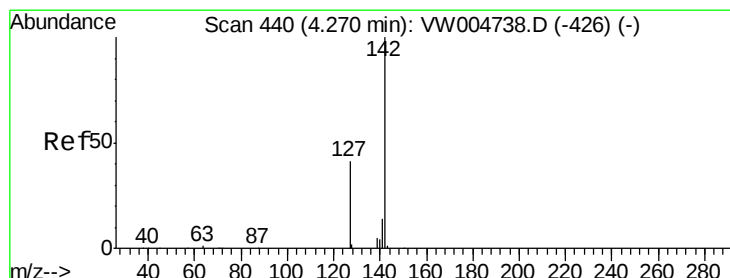
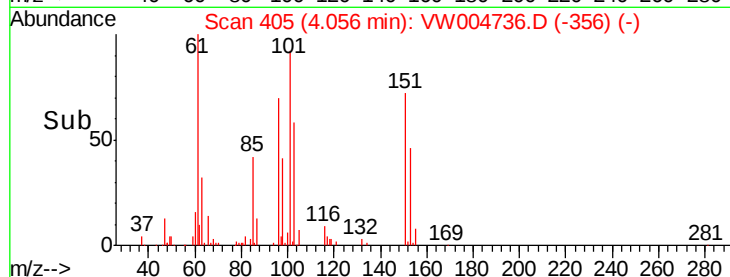
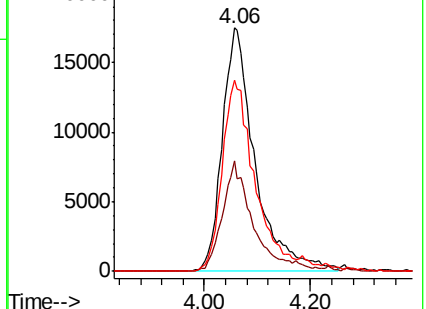
151 77.9 63.4 95.2



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: 10.131 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

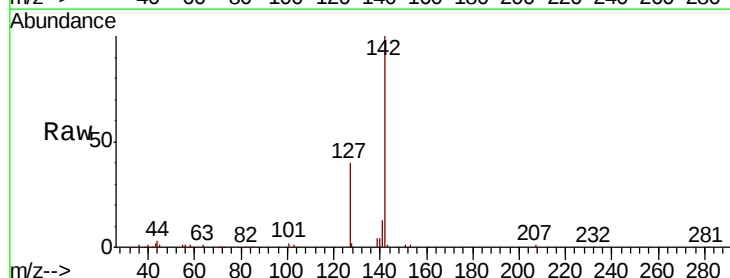
Tgt Ion:142 Resp: 110631

Ion Ratio Lower Upper

142 100

127 40.3 32.1 48.1

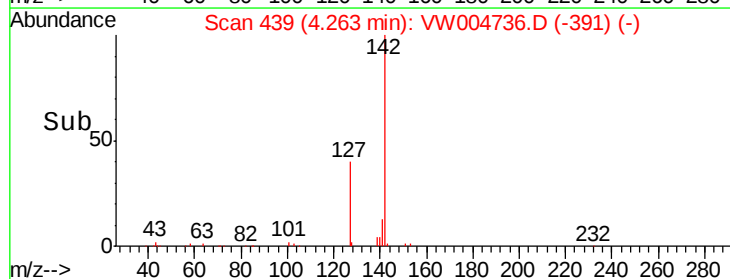
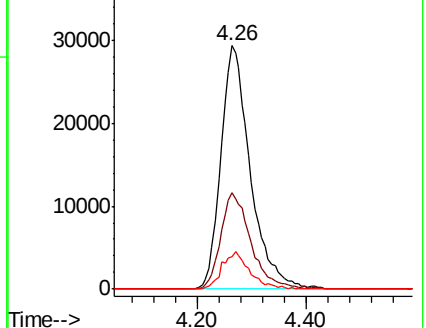
141 14.4 11.7 17.5

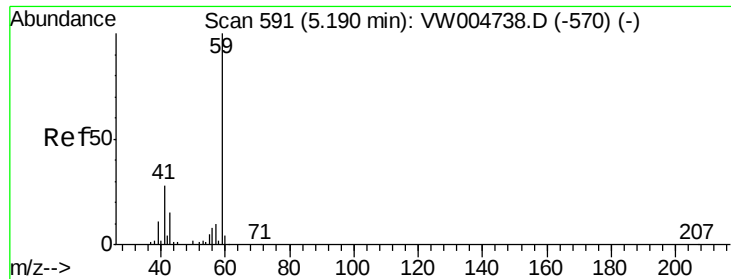


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



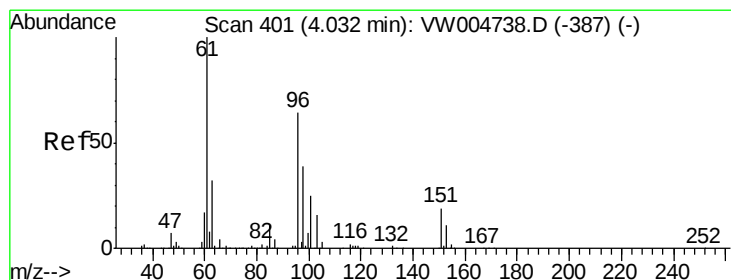
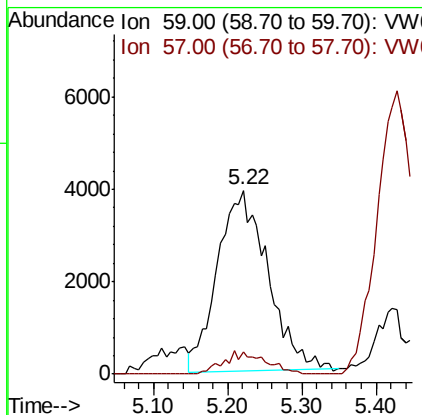
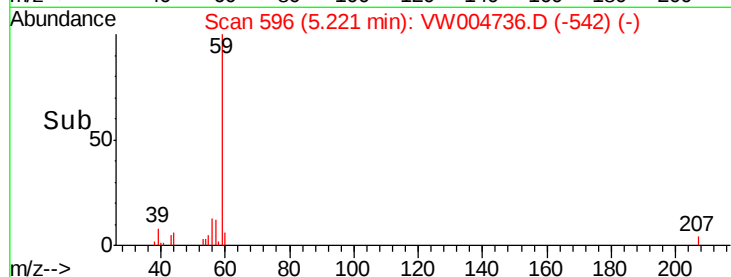
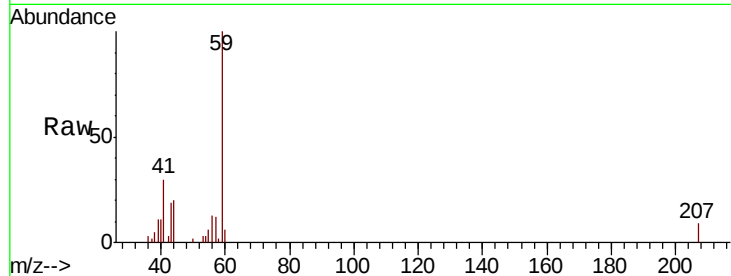


#11

Tert butyl alcohol
 Concen: 48.751 ug/l
 RT: 5.22 min Scan# 596
 Delta R.T. 0.03 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

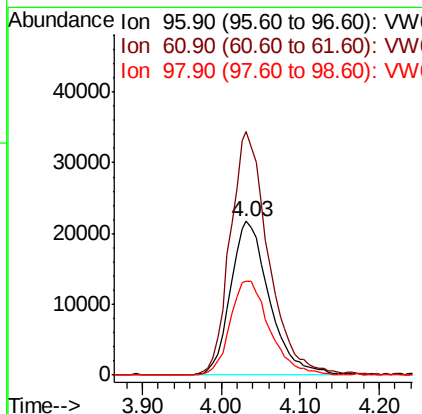
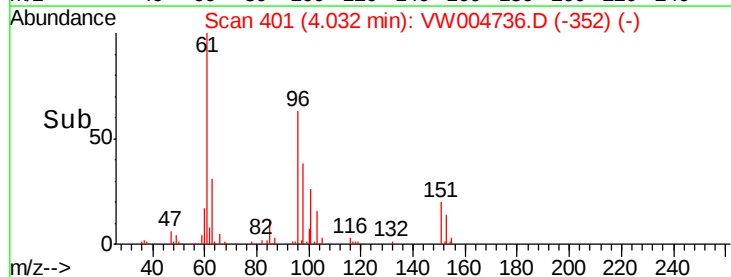
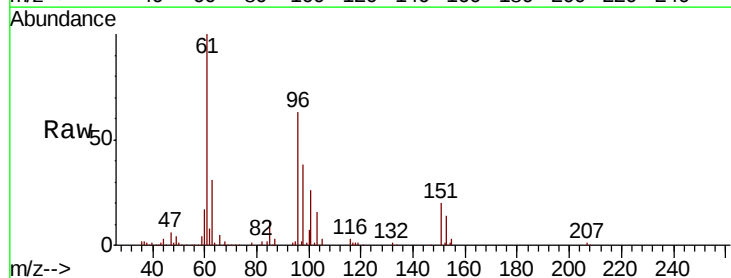
Tgt Ion: 59 Resp: 18453
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6

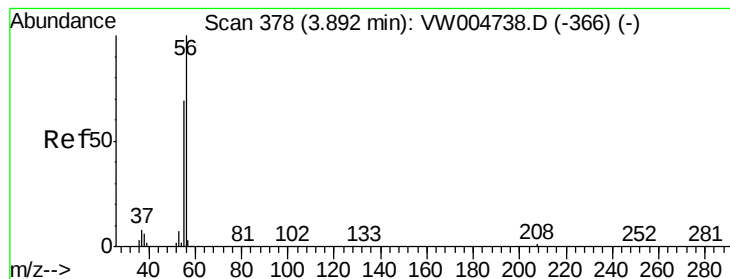


#12

1,1-Dichloroethene
 Concen: 10.427 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion: 96 Resp: 74710
 Ion Ratio Lower Upper
 96 100
 61 158.1 125.6 188.4
 98 60.6 49.4 74.0





#13

Acrolein

Concen: 51.508 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampled :

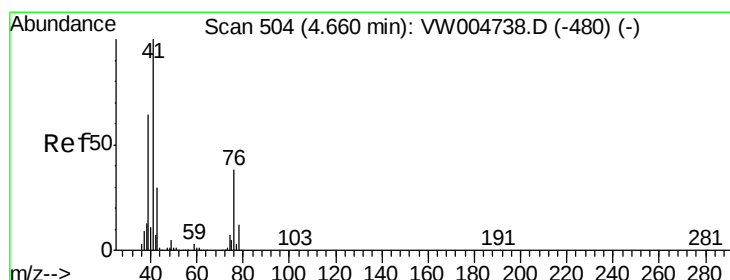
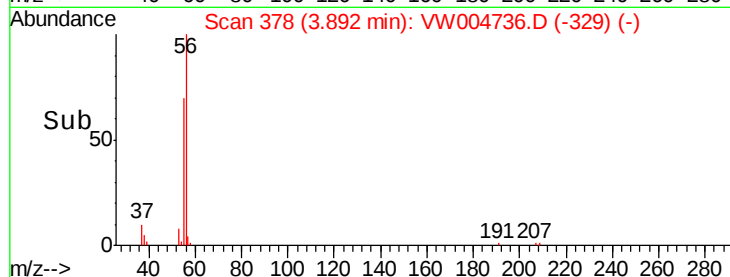
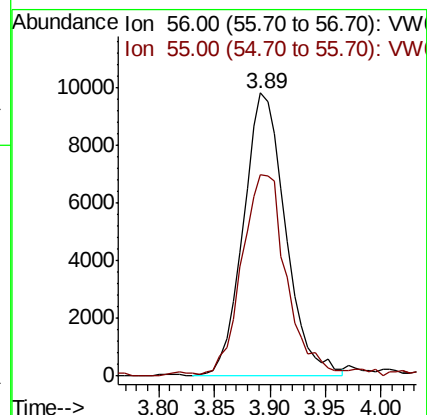
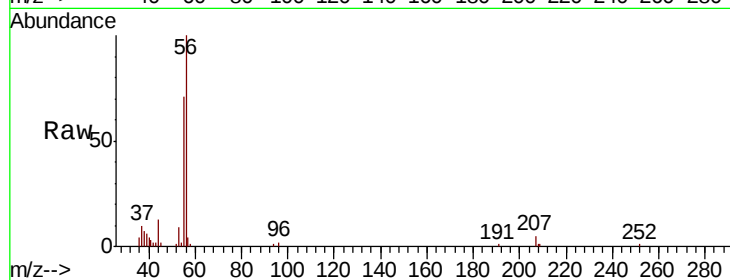
VSTDIC010

Tgt Ion: 56 Resp: 25959

Ion Ratio Lower Upper

56 100

55 72.7 56.1 84.1



#14

Allyl chloride

Concen: 9.914 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

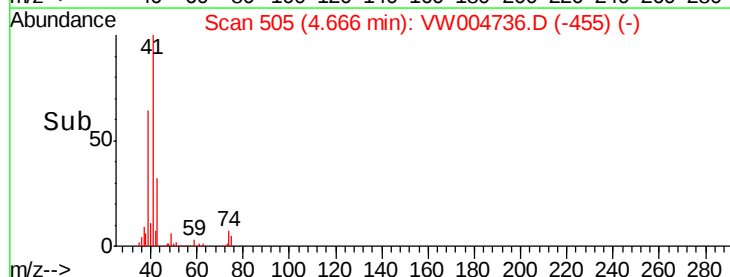
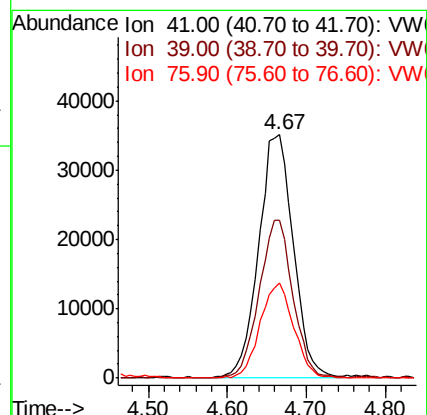
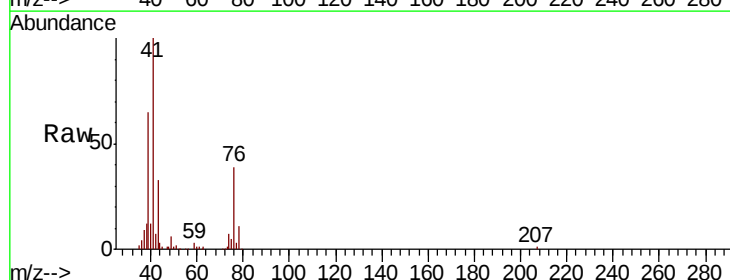
Tgt Ion: 41 Resp: 107806

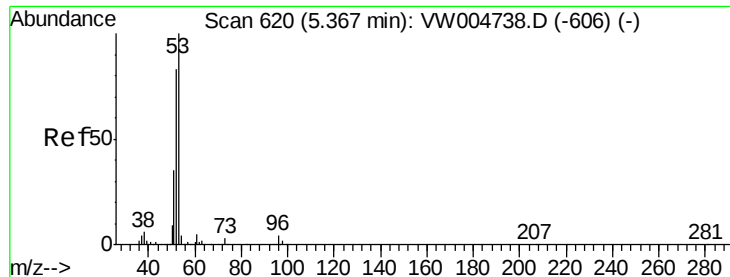
Ion Ratio Lower Upper

41 100

39 62.4 50.0 75.0

76 37.6 29.8 44.6

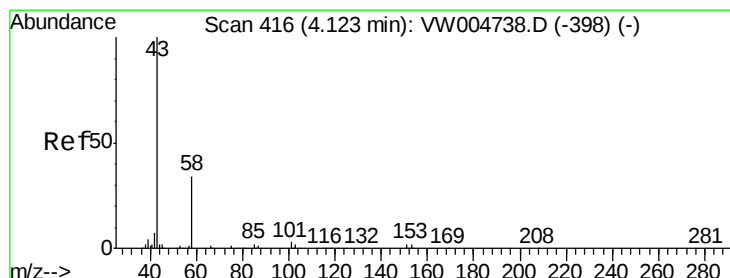
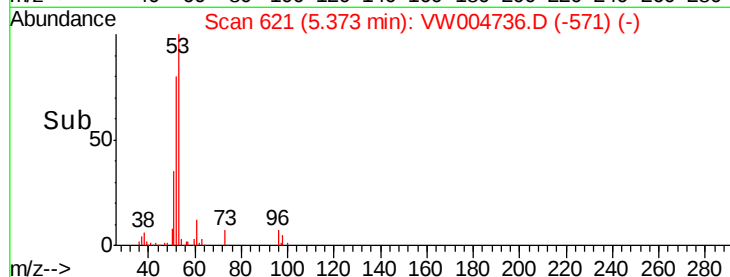
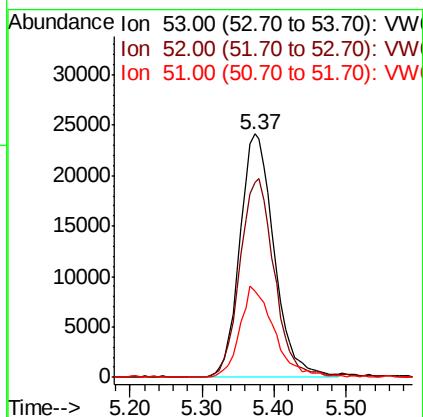
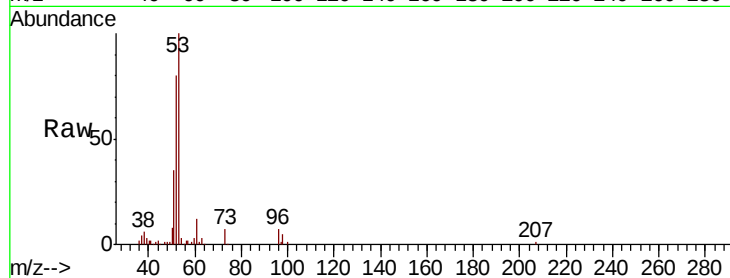




#15
 Acrylonitrile
 Concen: 50.457 ug/l
 RT: 5.37 min Scan# 621
 Delta R.T. 0.01 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

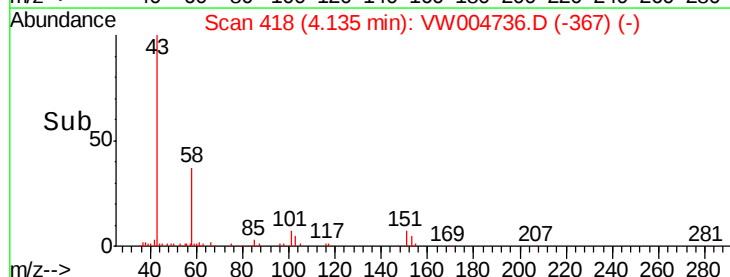
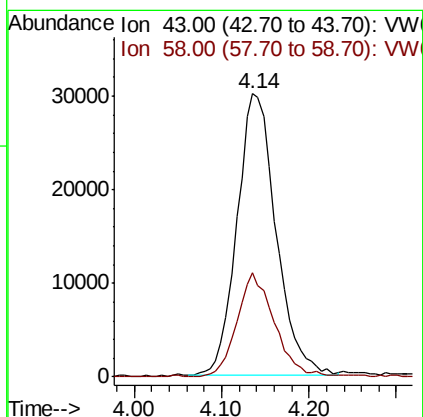
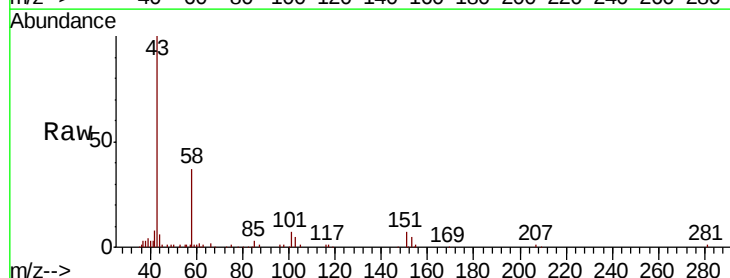
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

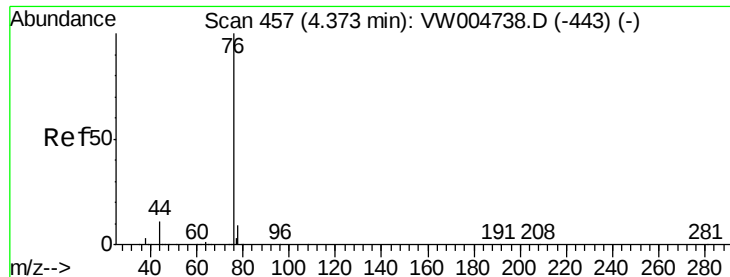
Tgt Ion: 53 Resp: 79890
 Ion Ratio Lower Upper
 53 100
 52 81.7 65.8 98.6
 51 36.9 28.7 43.1



#16
 Acetone
 Concen: 54.323 ug/l
 RT: 4.14 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion: 43 Resp: 93220
 Ion Ratio Lower Upper
 43 100
 58 36.8 27.3 40.9





#17

Carbon Disulfide

Concen: 10.229 ug/l

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

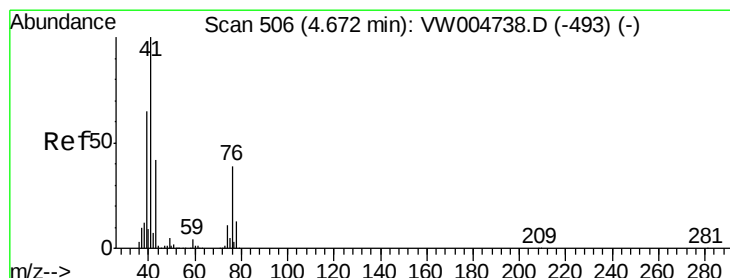
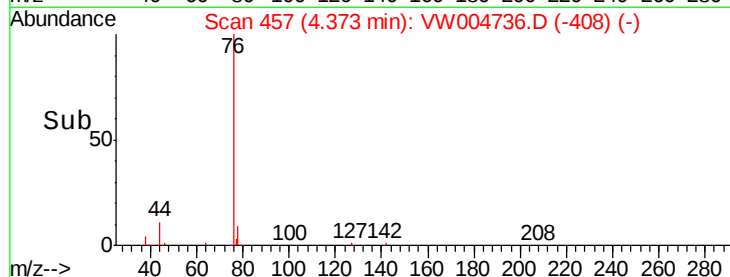
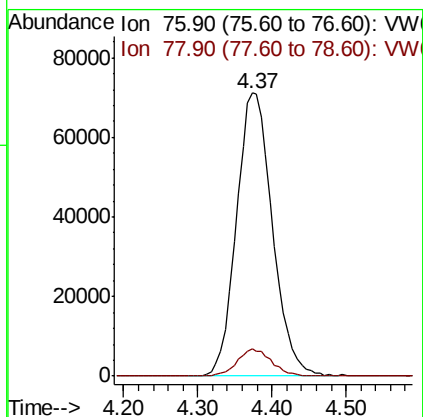
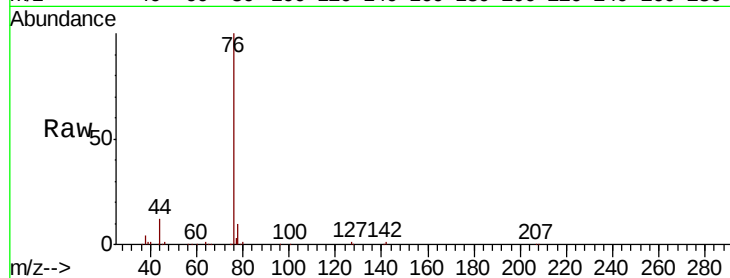
VSTDIC010

Tgt Ion: 76 Resp: 240880

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2



#18

Methyl Acetate

Concen: 10.000 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW004736.D

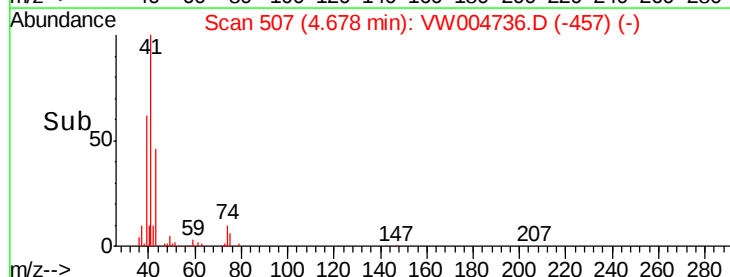
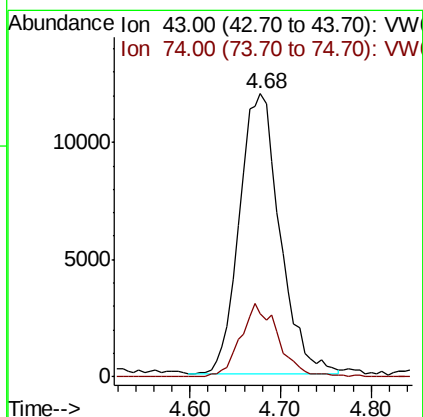
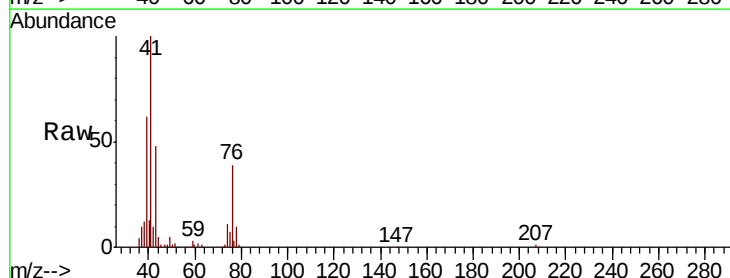
Acq: 17 Aug 2018 16:20

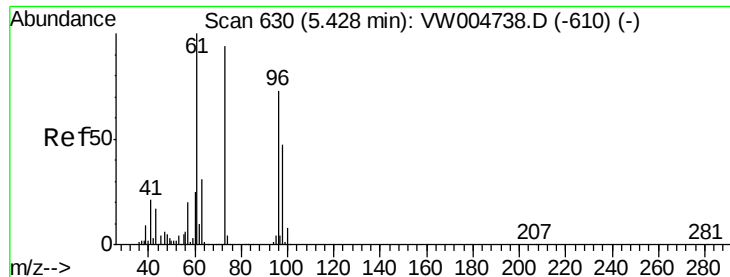
Tgt Ion: 43 Resp: 36775

Ion Ratio Lower Upper

43 100

74 24.8 19.8 29.8

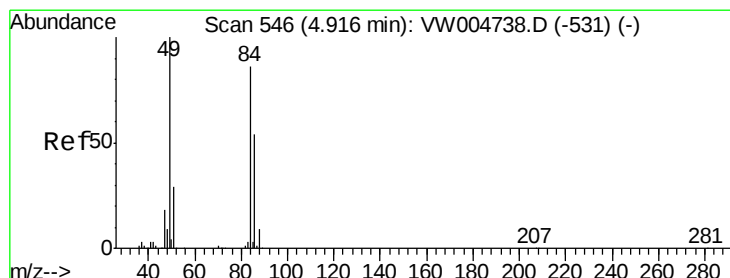
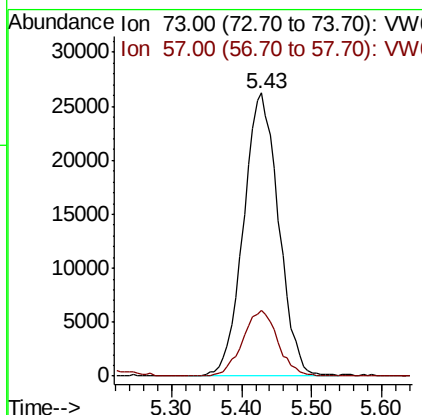
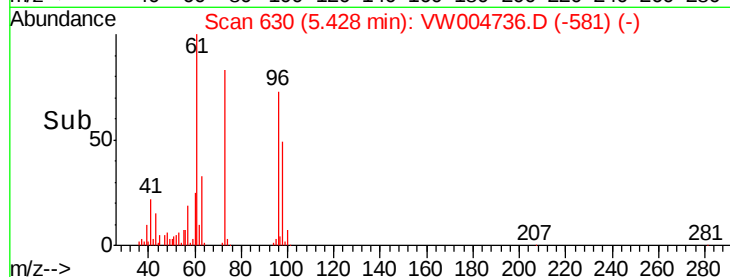
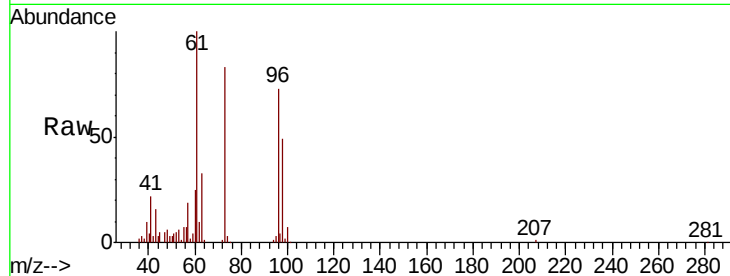




#19
Methyl tert-butyl Ether
Concen: 9.834 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

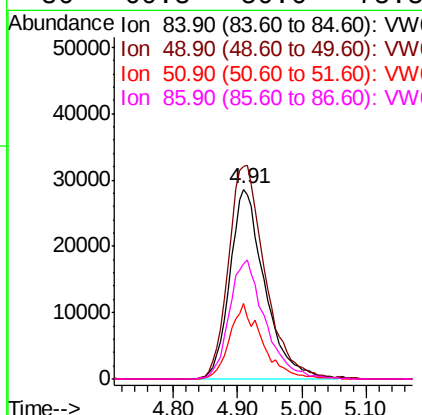
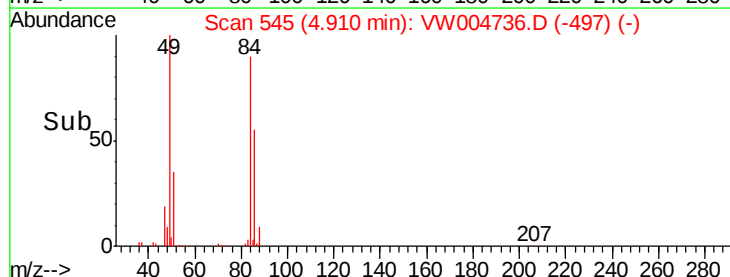
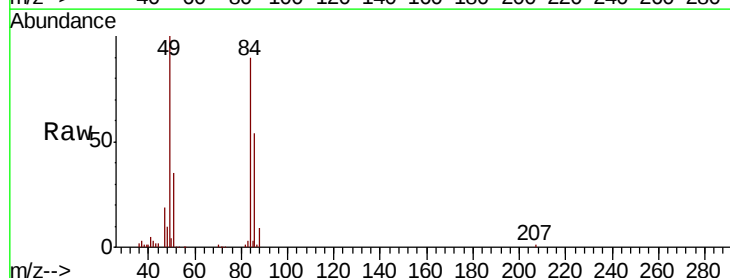
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

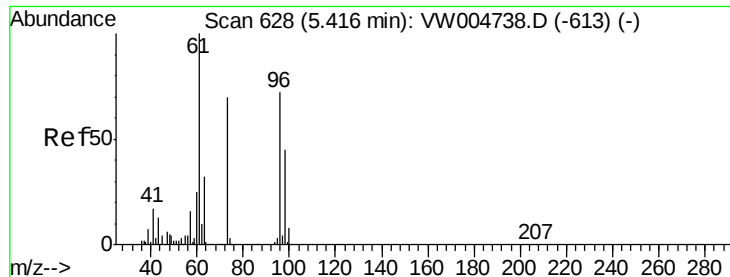
Tgt Ion: 73 Resp: 91467
Ion Ratio Lower Upper
73 100
57 23.3 17.3 25.9



#20
Methylene Chloride
Concen: 11.526 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion: 84 Resp: 107952
Ion Ratio Lower Upper
84 100
49 111.6 93.2 139.8
51 39.6 27.4 41.0
86 60.8 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 10.258 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

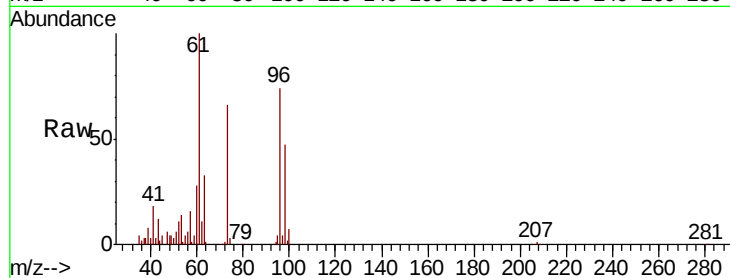
Tgt Ion: 96 Resp: 78205

Ion Ratio Lower Upper

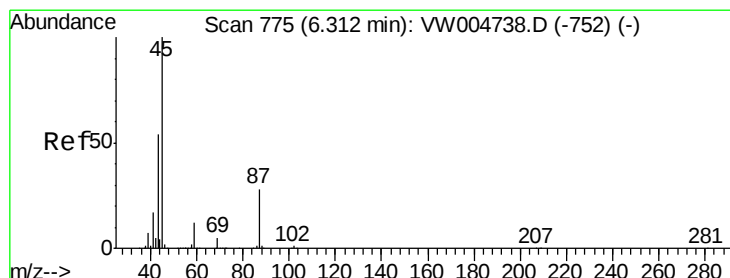
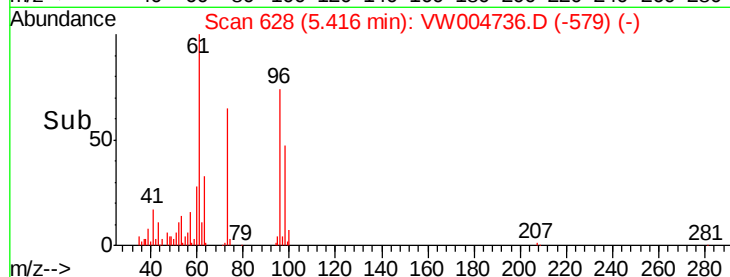
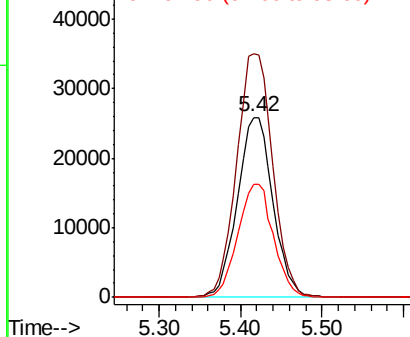
96 100

61 135.4 111.4 167.0

98 63.1 49.7 74.5



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: 10.051 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Tgt Ion: 45 Resp: 210070

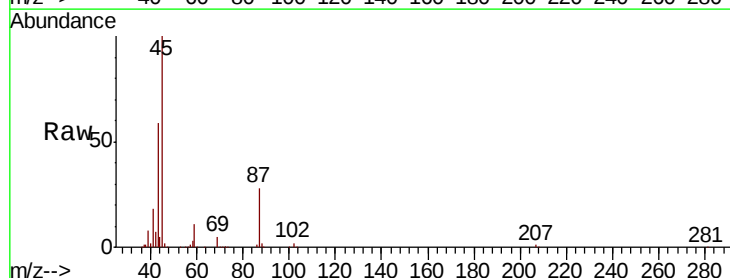
Ion Ratio Lower Upper

45 100

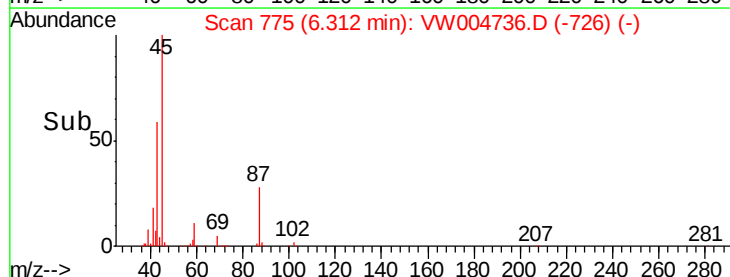
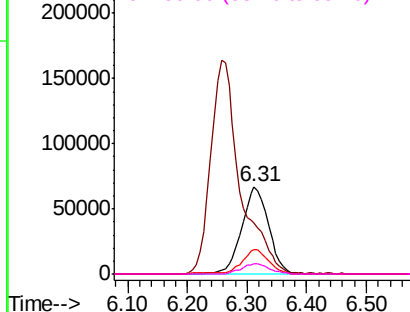
43 58.2 43.0 64.6

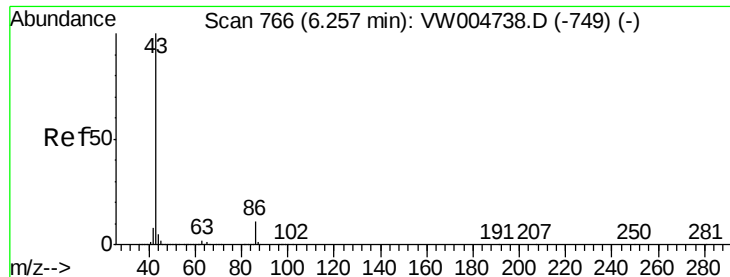
87 27.9 22.2 33.4

59 11.2 9.8 14.6



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: 47.481 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

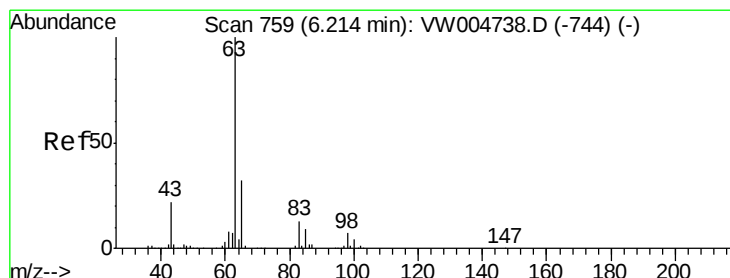
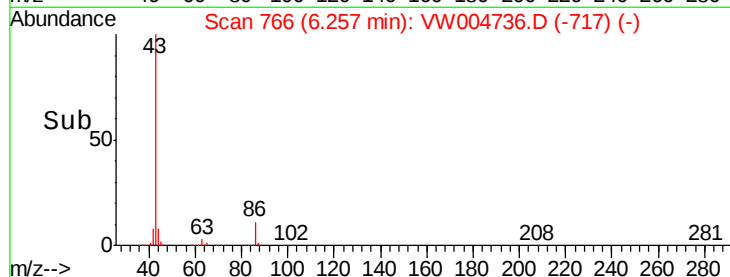
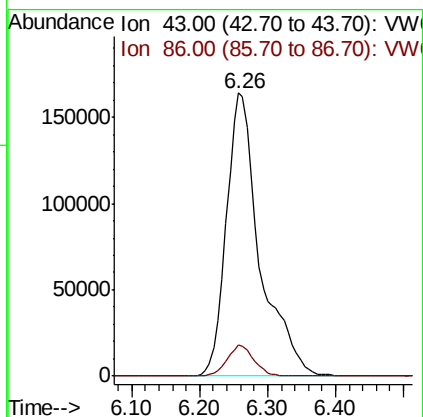
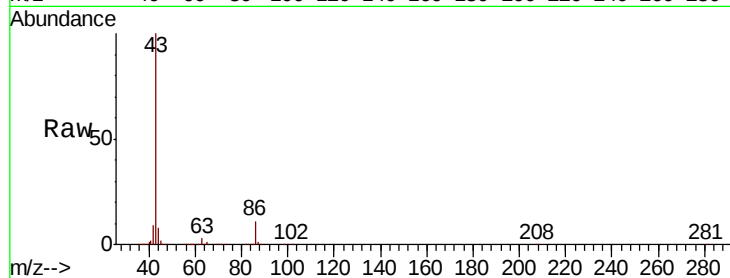
VSTDIC010

Tgt Ion: 43 Resp: 561312

Ion Ratio Lower Upper

43 100

86 11.0 8.5 12.7



#24

1,1-Dichloroethane

Concen: 10.333 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

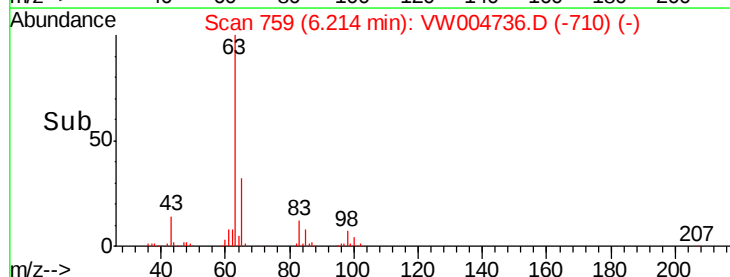
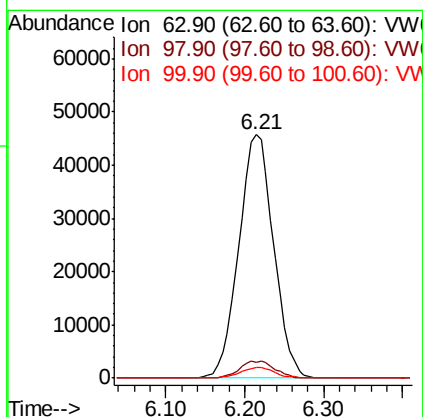
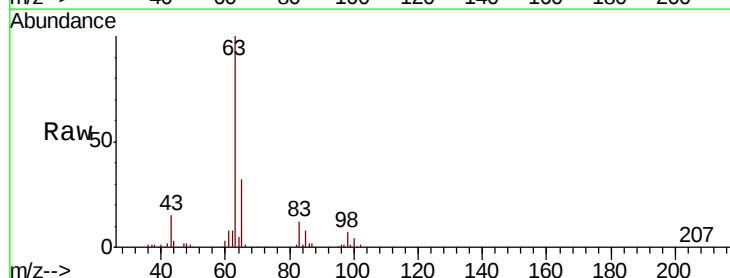
Tgt Ion: 63 Resp: 140340

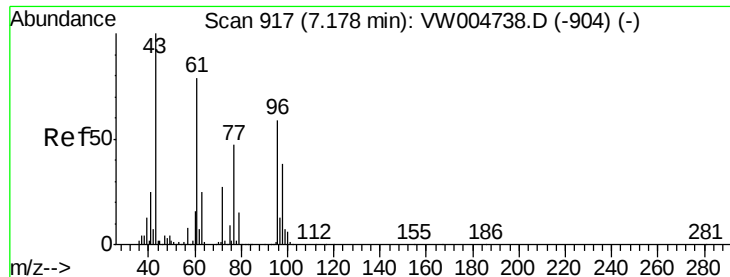
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.5 2.1 6.3

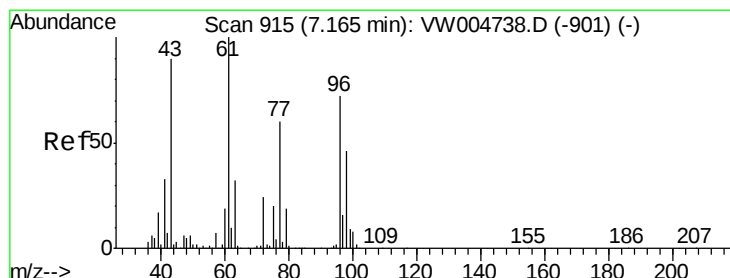
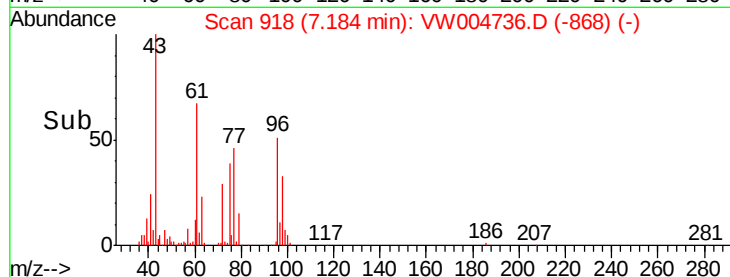
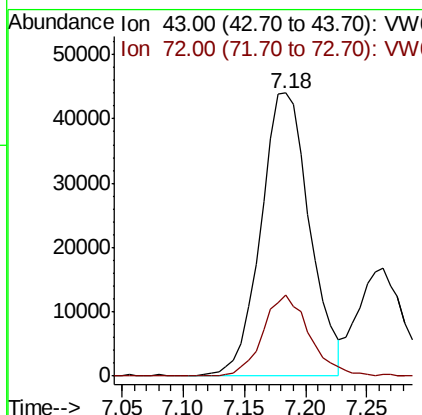
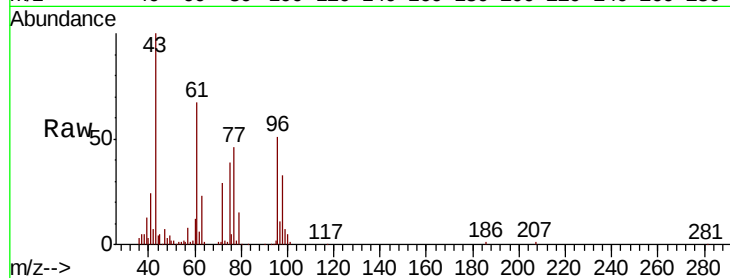




#25
 2-Butanone
 Concen: 50.276 ug/l
 RT: 7.18 min Scan# 918
 Delta R.T. 0.01 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

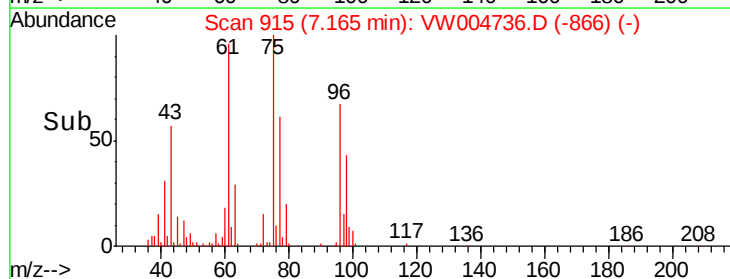
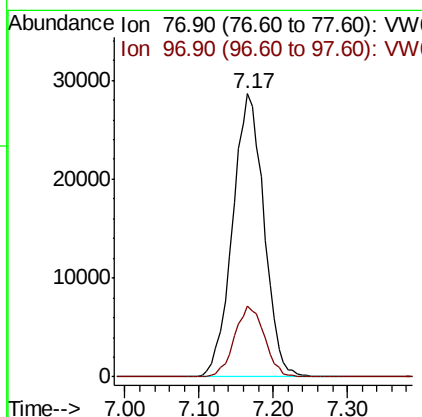
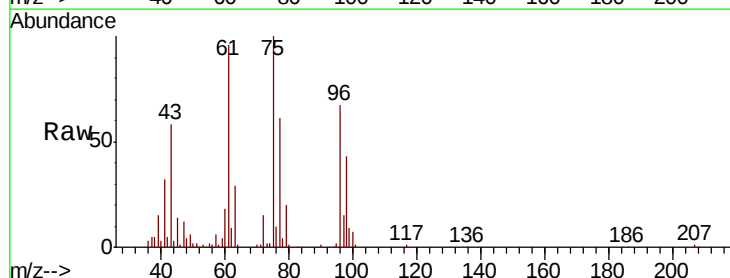
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

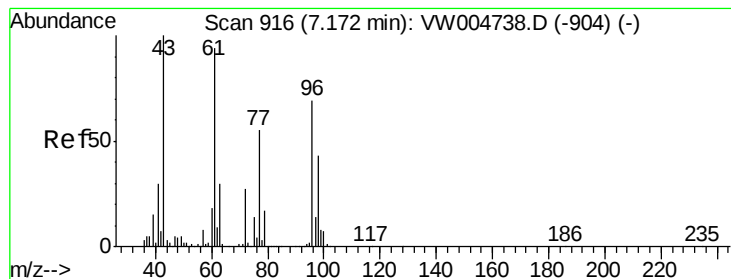
Tgt Ion: 43 Resp: 122926
 Ion Ratio Lower Upper
 43 100
 72 28.6 22.0 33.0



#26
 2,2-Dichloropropane
 Concen: 10.791 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion: 77 Resp: 84650
 Ion Ratio Lower Upper
 77 100
 97 23.9 12.6 37.8



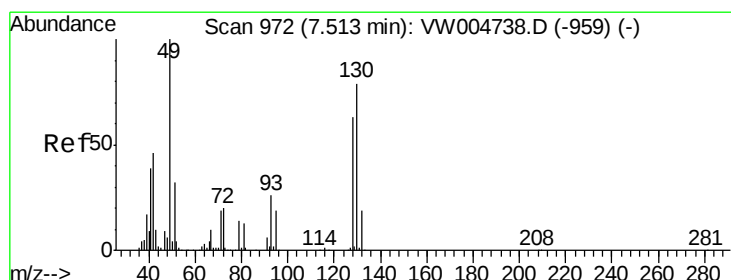
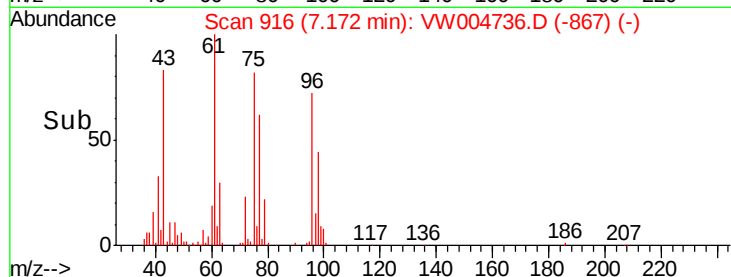
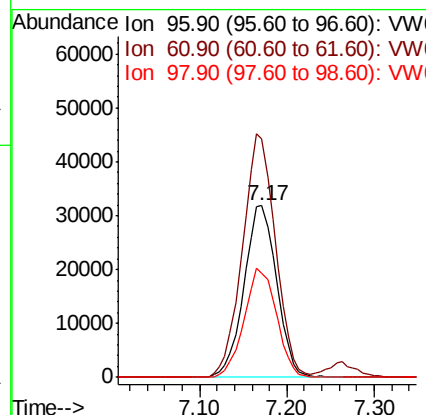
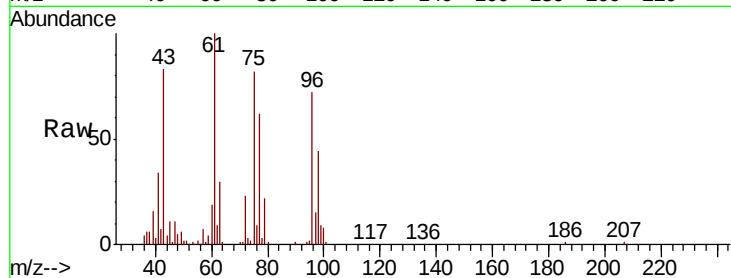


#27

cis-1,2-Dichloroethene
 Concen: 10.094 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

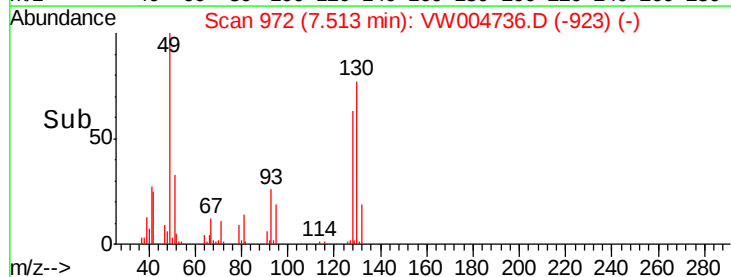
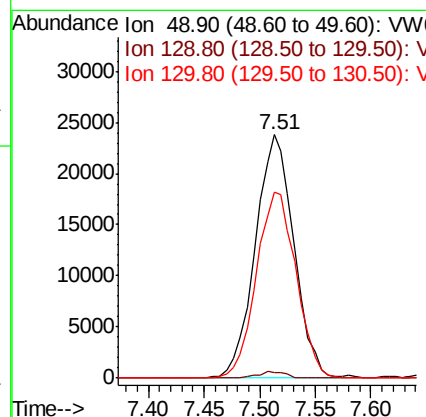
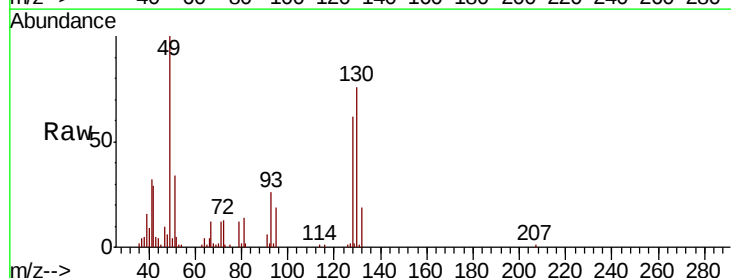
Tgt Ion: 96 Resp: 82843
 Ion Ratio Lower Upper
 96 100
 61 142.5 0.0 277.6
 98 62.9 0.0 127.4

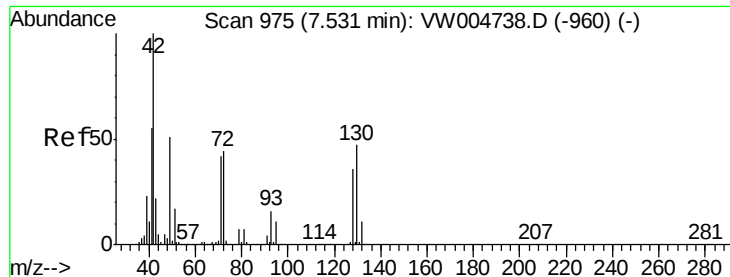


#28

Bromochloromethane
 Concen: 10.028 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion: 49 Resp: 57354
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.4
 130 78.7 63.7 95.5

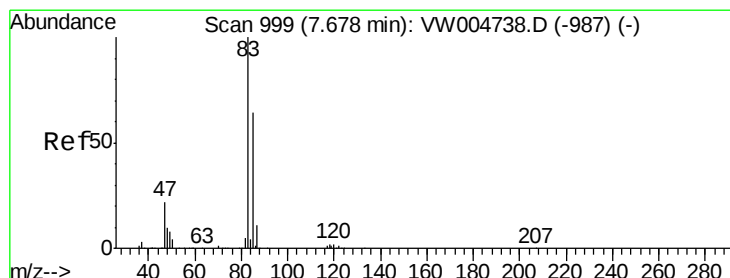
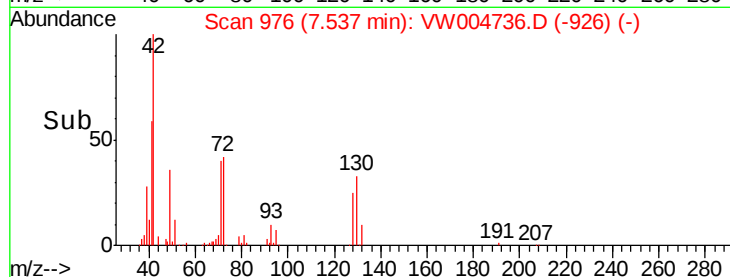
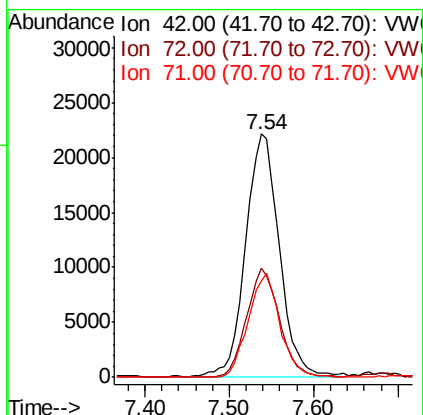
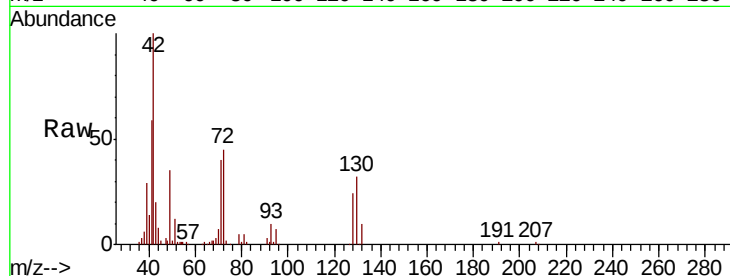




#29
Tetrahydrofuran
Concen: 48.573 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

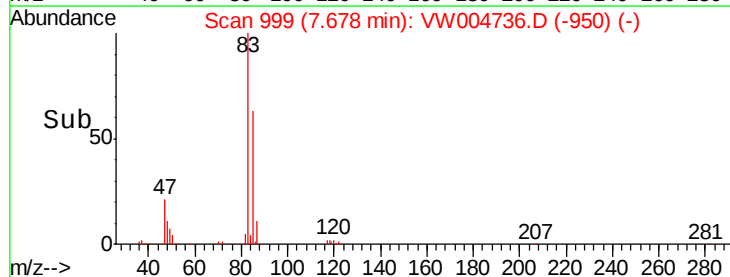
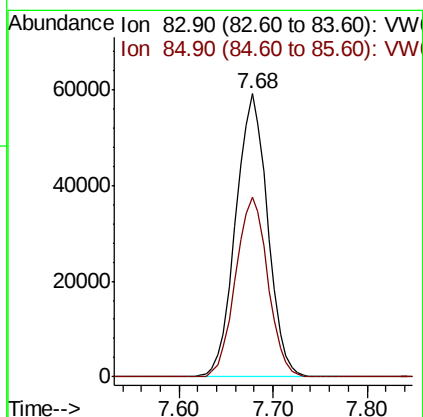
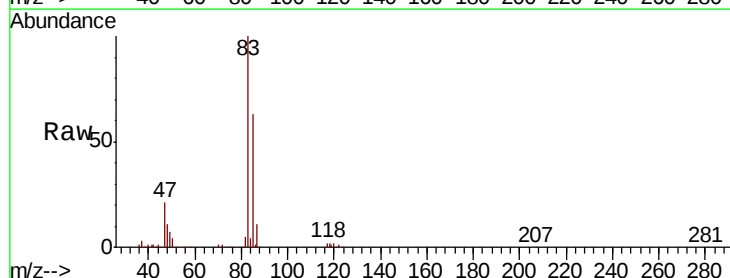
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

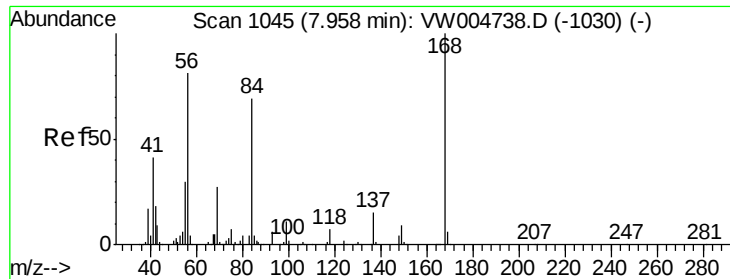
Tgt Ion: 42 Resp: 60560
Ion Ratio Lower Upper
42 100
72 43.4 34.9 52.3
71 39.9 33.8 50.6



#30
Chloroform
Concen: 10.466 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion: 83 Resp: 139801
Ion Ratio Lower Upper
83 100
85 63.4 51.0 76.6

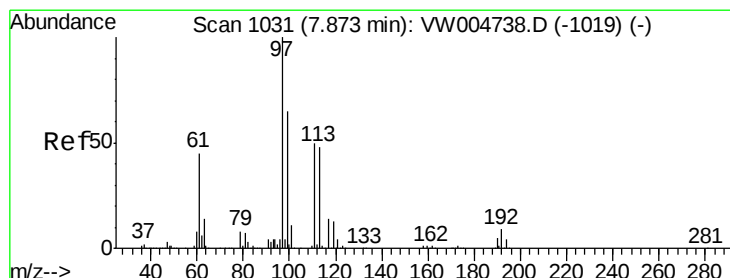
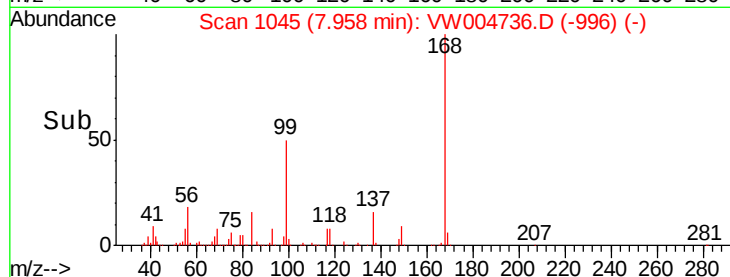
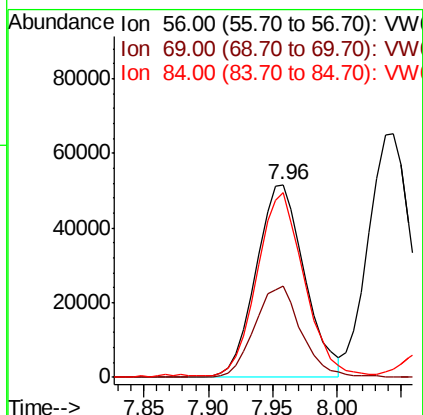
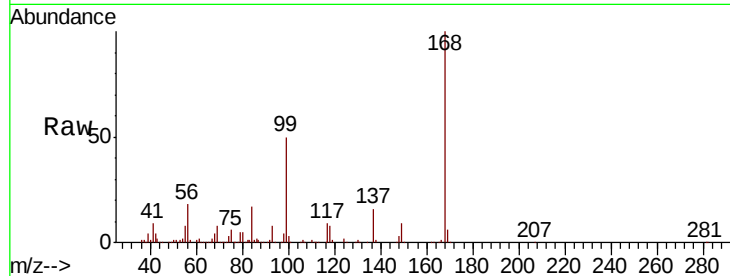




#31
Cyclohexane
Concen: 10.324 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

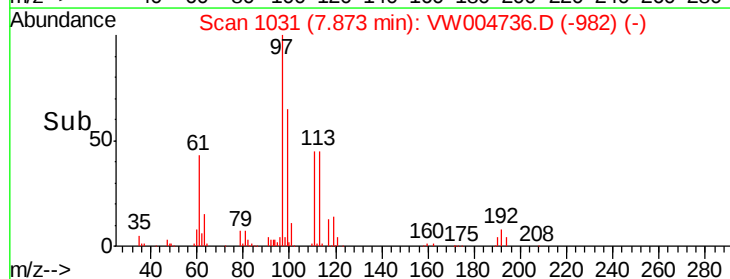
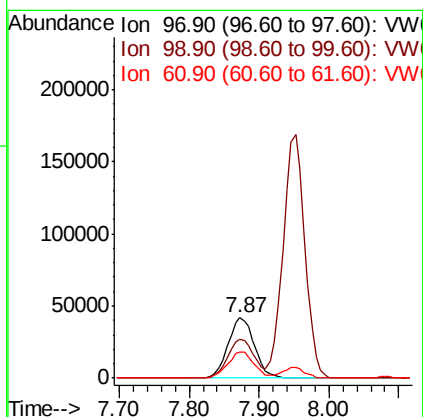
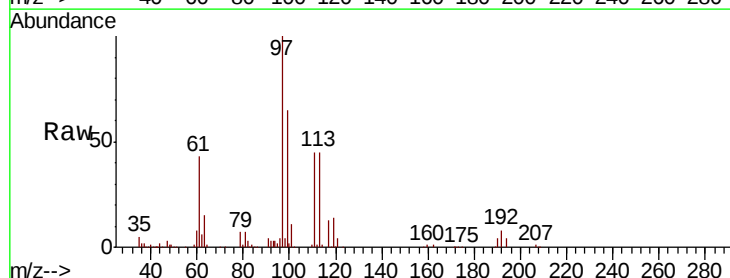
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

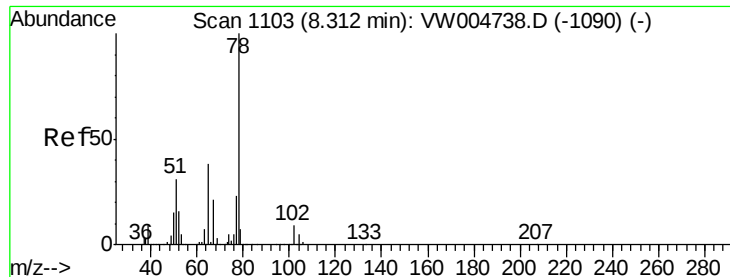
Tgt Ion: 56 Resp: 135631
Ion Ratio Lower Upper
56 100
69 47.5 27.1 40.7#
84 94.8 68.3 102.5



#32
1,1,1-Trichloroethane
Concen: 10.363 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion: 97 Resp: 109725
Ion Ratio Lower Upper
97 100
99 64.4 51.7 77.5
61 43.3 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 9.622 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

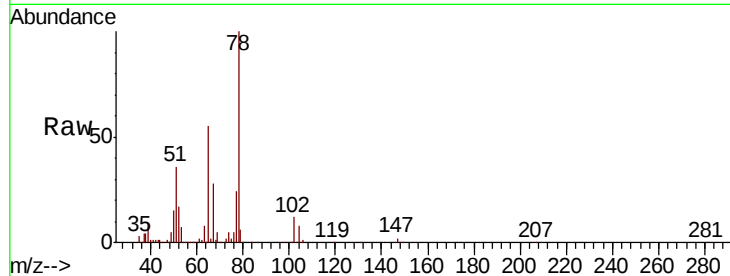
VSTDIC010

Tgt Ion: 65 Resp: 64683

Ion Ratio Lower Upper

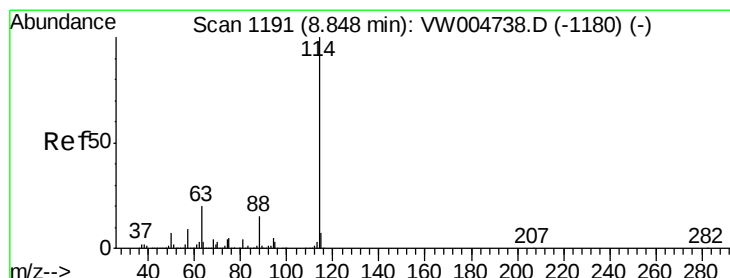
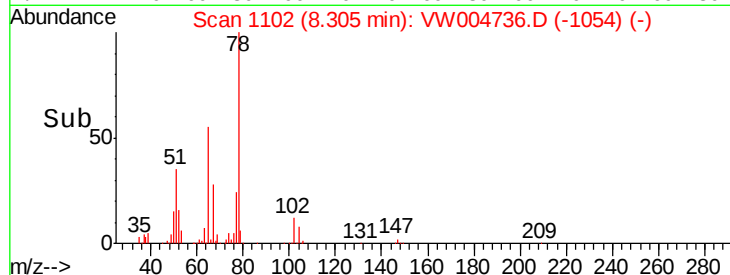
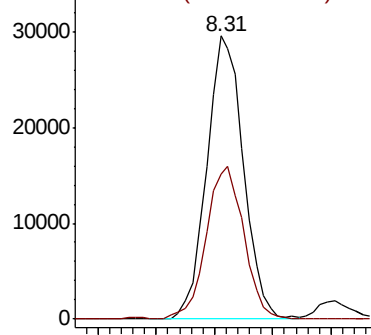
65 100

67 55.2 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

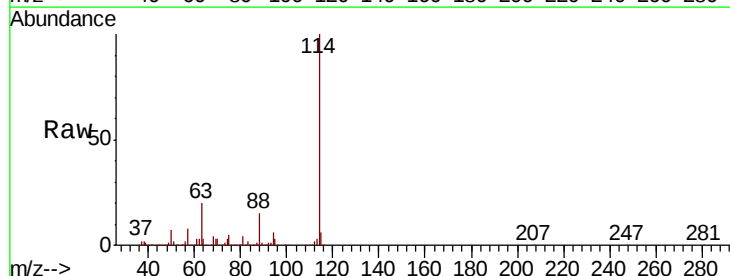
Tgt Ion: 114 Resp: 1057243

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

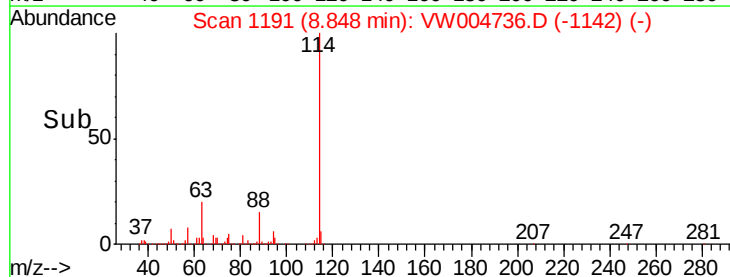
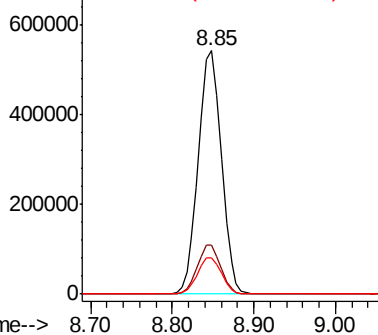
88 15.1 0.0 30.0

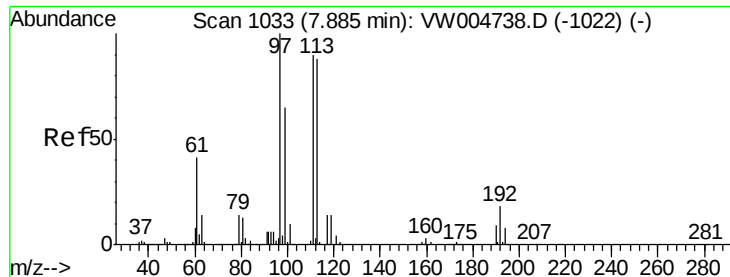


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 9.643 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

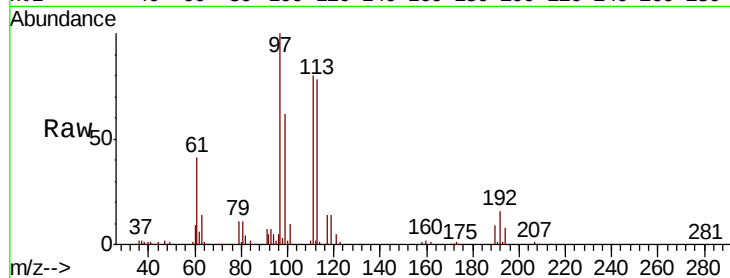
Tgt Ion: 113 Resp: 65161

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

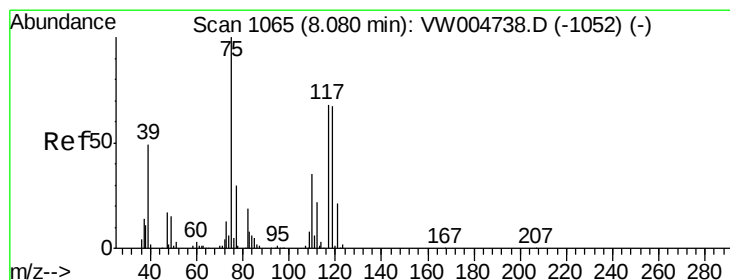
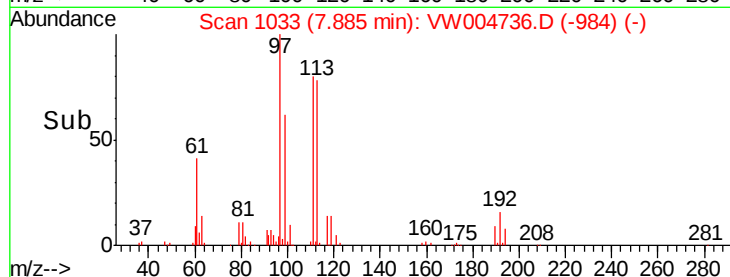
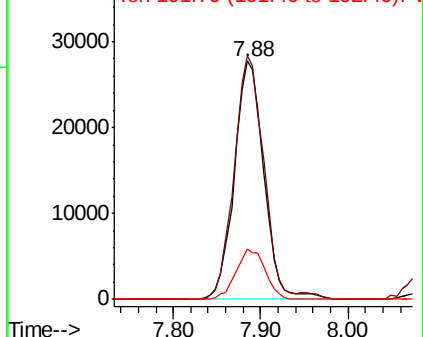
192 20.8 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 10.152 ug/l

RT: 8.09 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

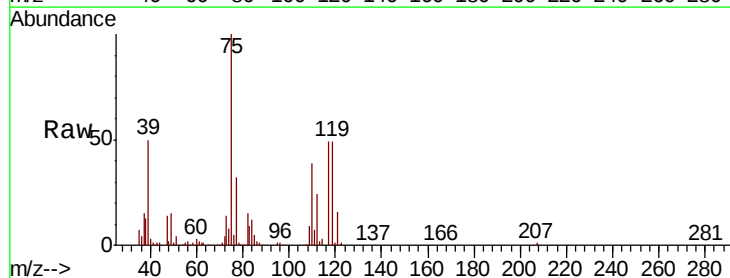
Tgt Ion: 75 Resp: 110568

Ion Ratio Lower Upper

75 100

110 35.9 17.8 53.5

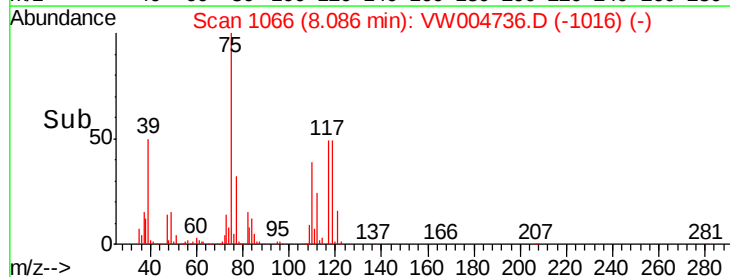
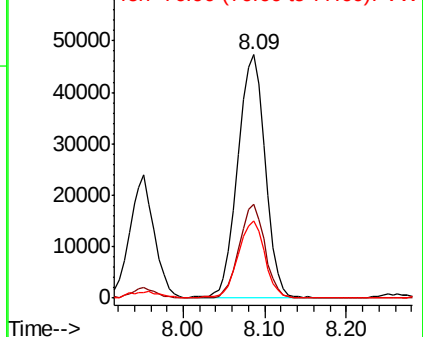
77 30.8 24.9 37.3

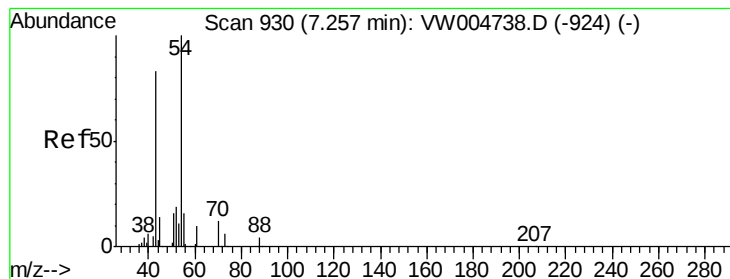


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 10.242 ug/l

RT: 7.26 min Scan# 931

Delta R.T. 0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

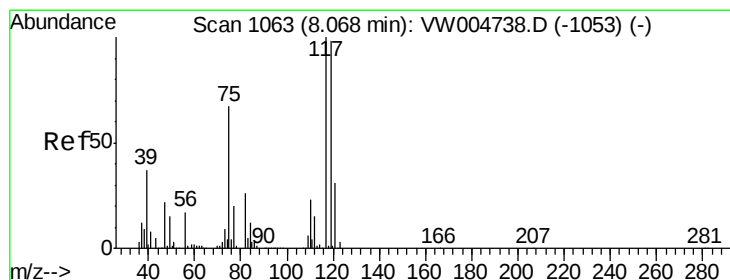
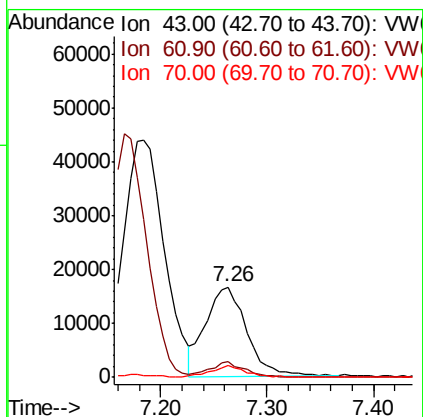
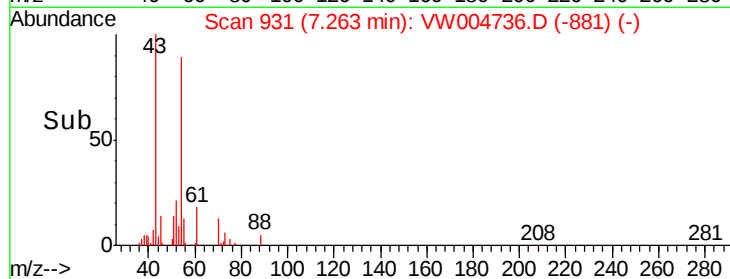
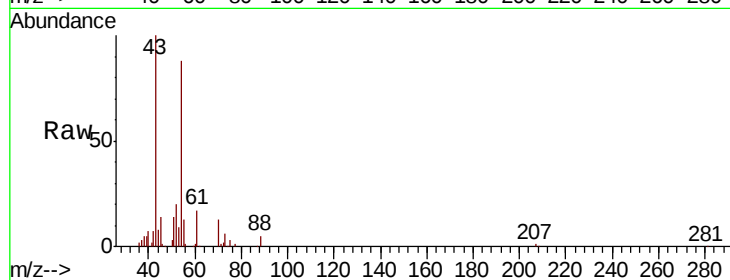
Tgt Ion: 43 Resp: 44466

Ion Ratio Lower Upper

43 100

61 15.0 11.6 17.4

70 11.4 9.2 13.8



#38

Carbon Tetrachloride

Concen: 10.183 ug/l

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

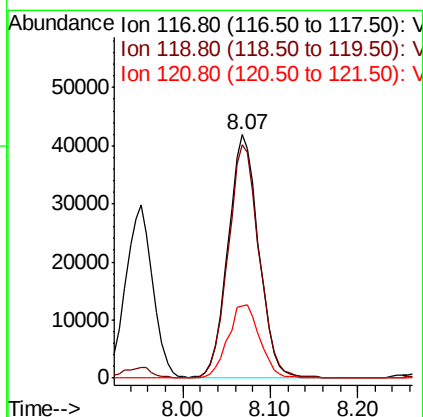
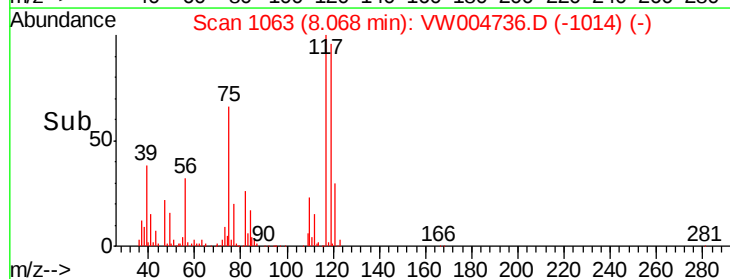
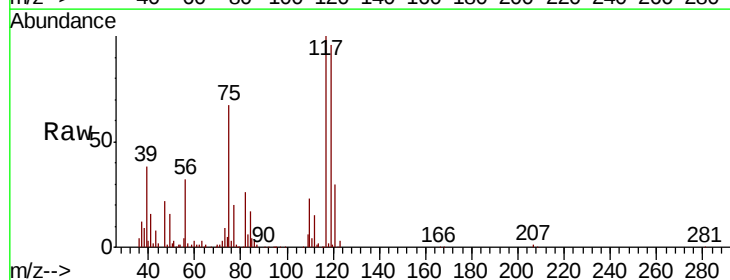
Tgt Ion: 117 Resp: 102086

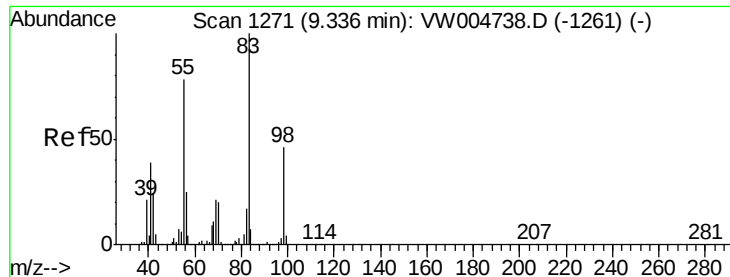
Ion Ratio Lower Upper

117 100

119 95.8 78.0 117.0

121 29.7 24.8 37.2

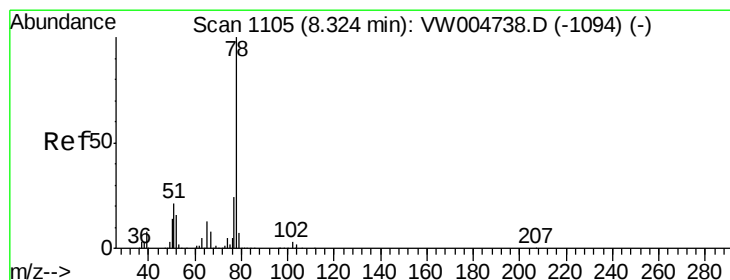
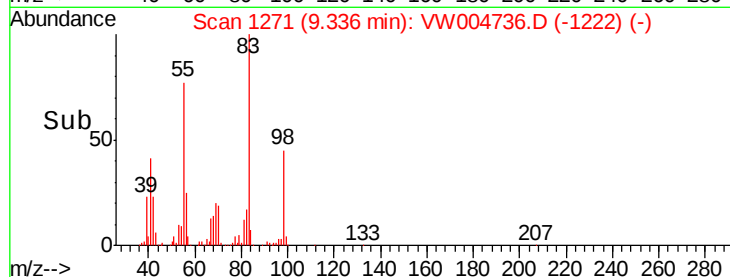
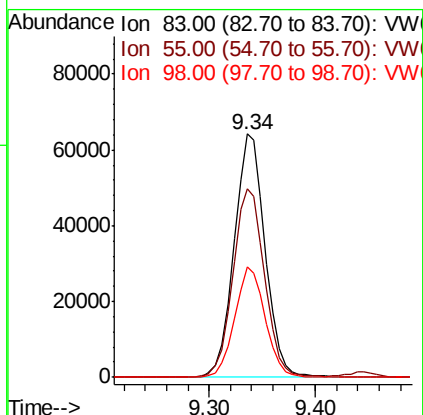
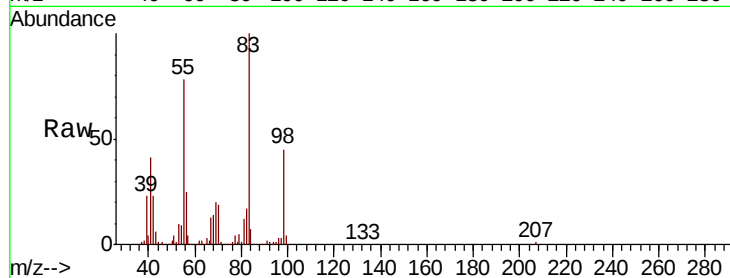




#39
Methylcyclohexane
Concen: 9.609 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

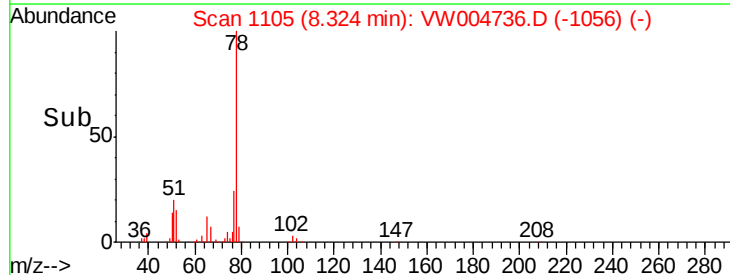
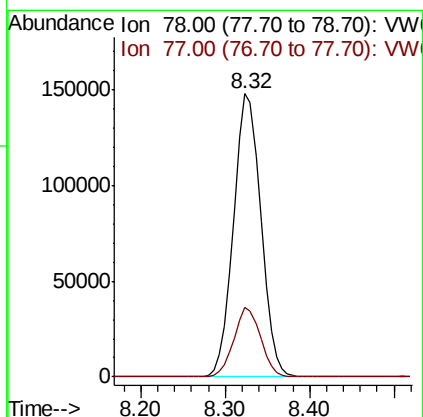
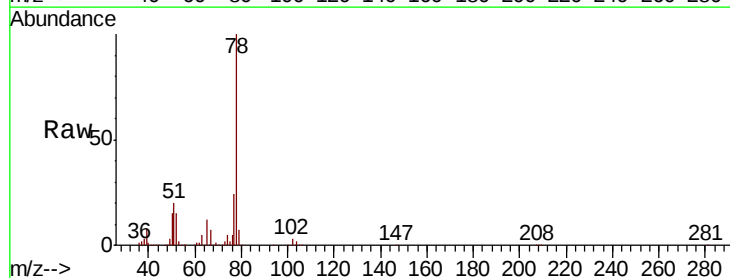
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

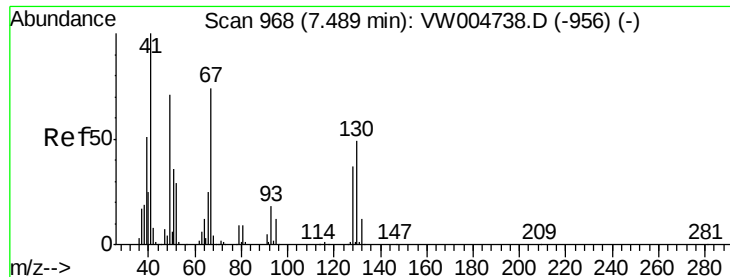
Tgt Ion: 83 Resp: 130877
Ion Ratio Lower Upper
83 100
55 77.6 62.4 93.6
98 45.5 36.5 54.7



#40
Benzene
Concen: 10.256 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion: 78 Resp: 324619
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6

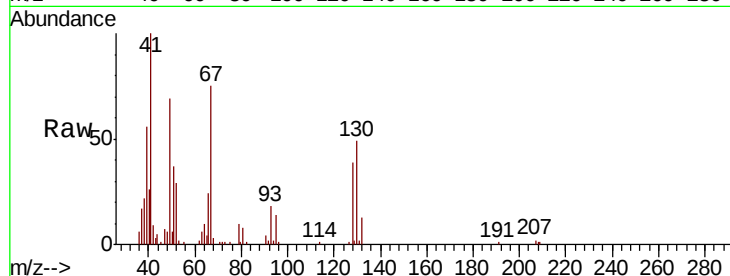




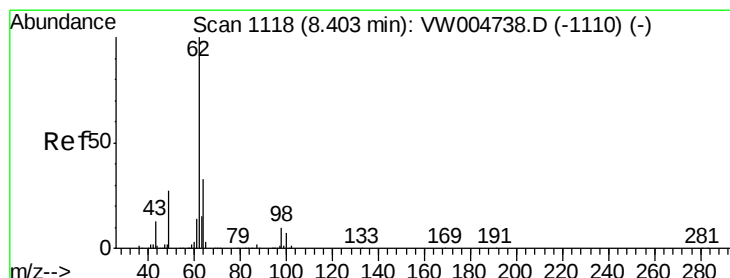
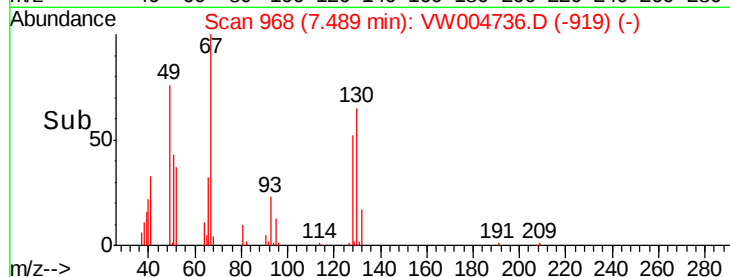
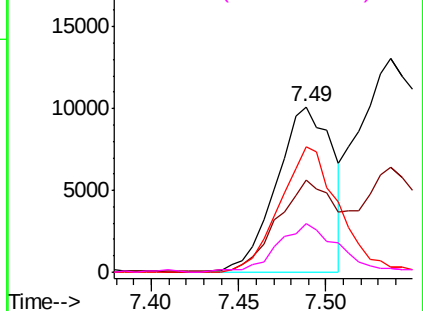
#41
Methacrylonitrile
Concen: 9.193 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:	41	Resp:	22651
Ion	Ratio	Lower	Upper
41	100		
39	59.6	41.0	61.4
67	80.5	59.5	89.3
52	32.6	23.6	35.4

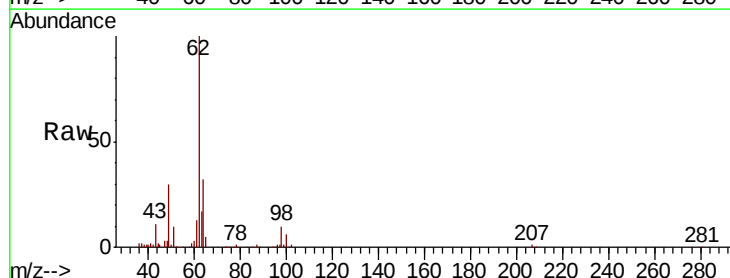


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

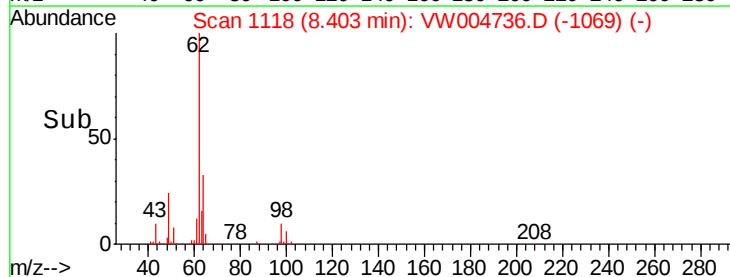
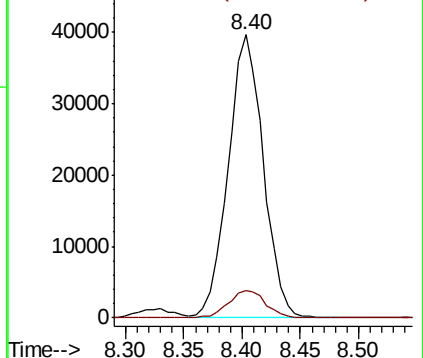


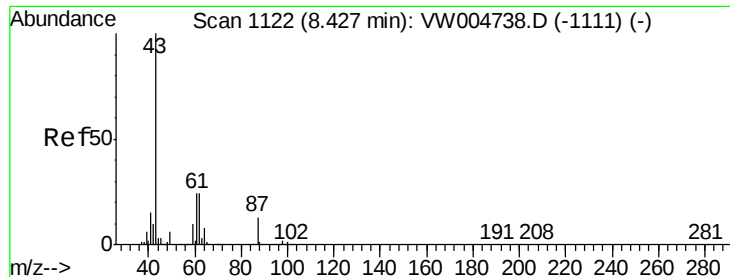
#42
1,2-Dichloroethane
Concen: 10.232 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion:	62	Resp:	83053
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 9.373 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

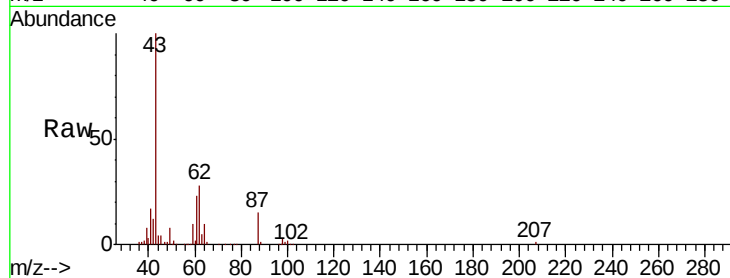
Tgt Ion: 43 Resp: 73100

Ion Ratio Lower Upper

43 100

61 34.0 26.2 39.4

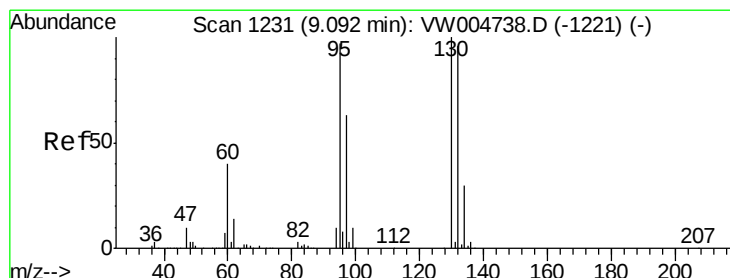
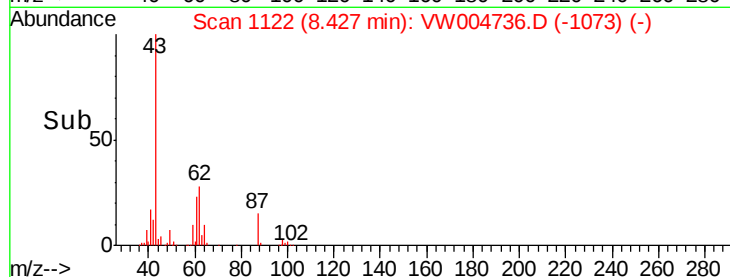
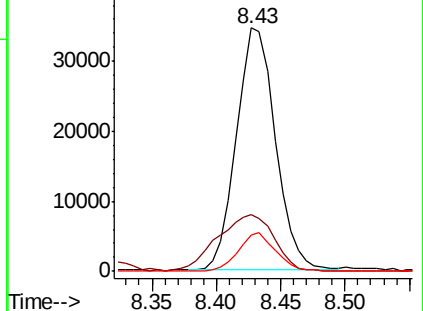
87 15.0 10.9 16.3



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: 10.103 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW004736.D

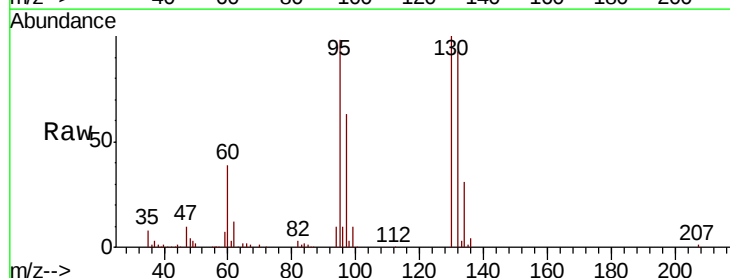
Acq: 17 Aug 2018 16:20

Tgt Ion: 130 Resp: 81176

Ion Ratio Lower Upper

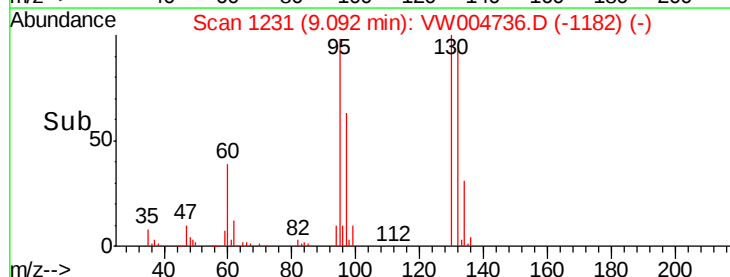
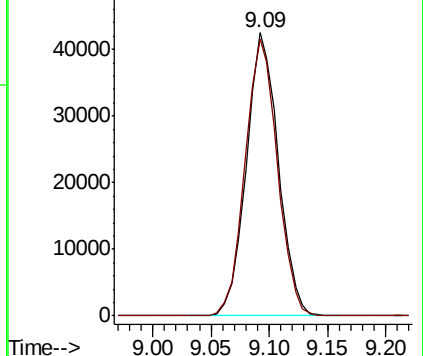
130 100

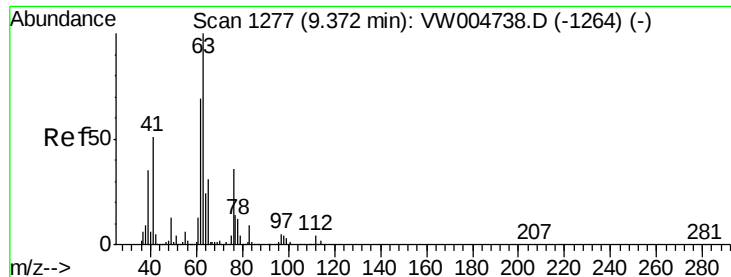
95 97.9 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

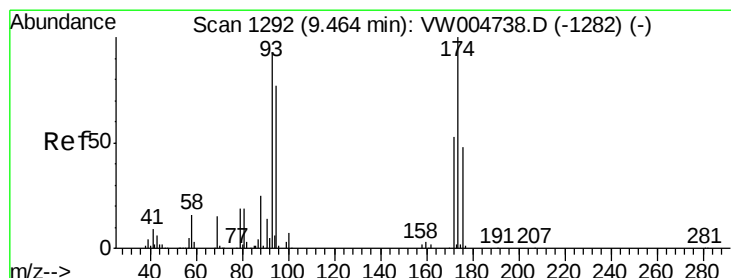
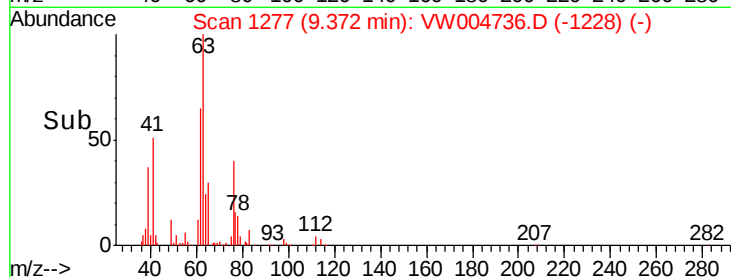
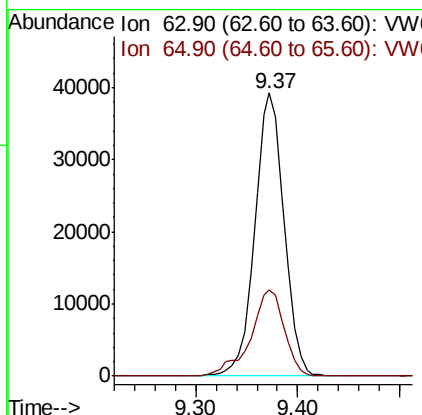
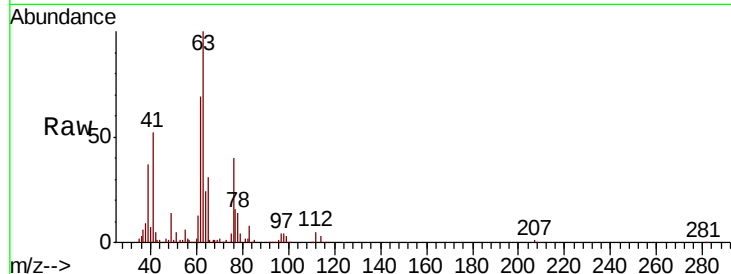




#45
 1,2-Dichloropropane
 Concen: 10.114 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

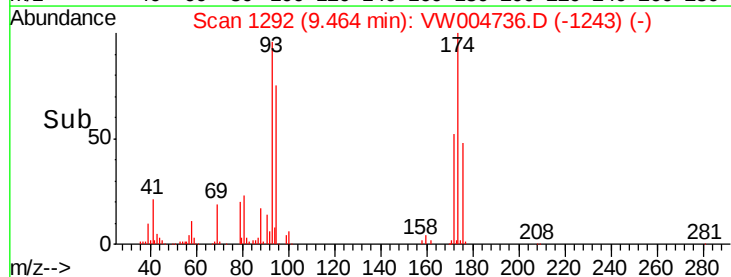
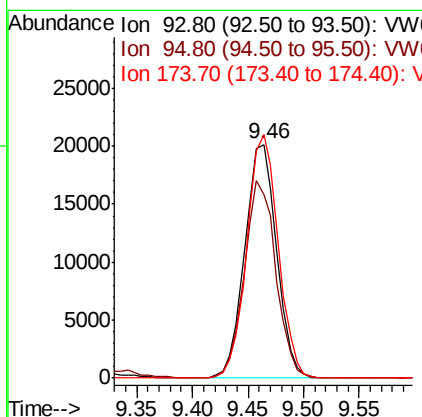
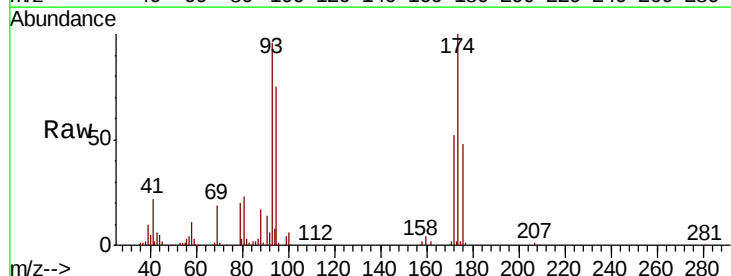
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

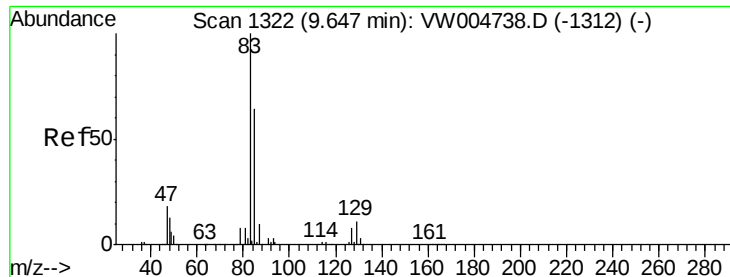
Tgt Ion: 63 Resp: 78307
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0



#46
 Dibromomethane
 Concen: 10.474 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion: 93 Resp: 40175
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.6 99.8
 174 102.7 85.3 127.9





#47

Bromodichloromethane

Concen: 9.955 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

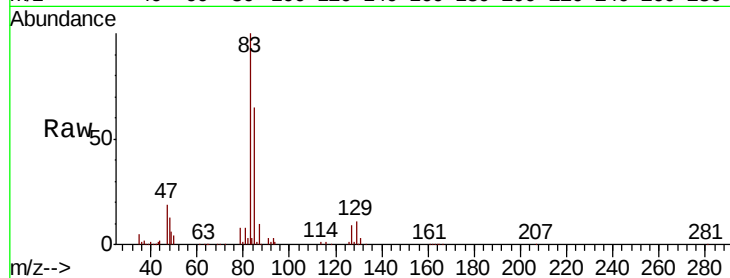
Tgt Ion: 83 Resp: 91196

Ion Ratio Lower Upper

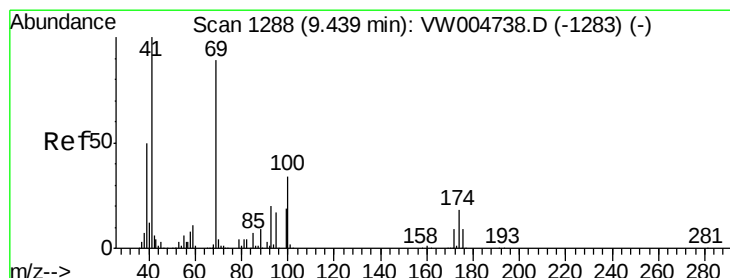
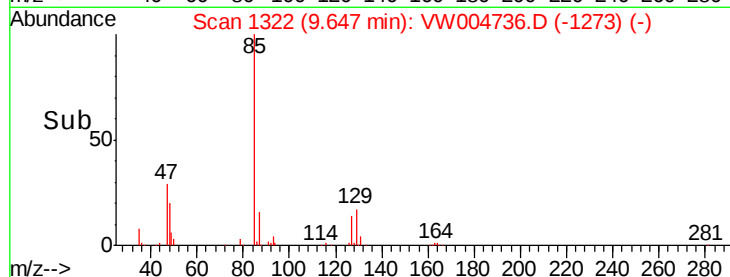
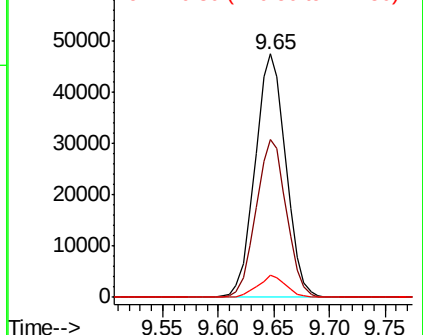
83 100

85 65.0 51.2 76.8

127 8.9 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: 9.417 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

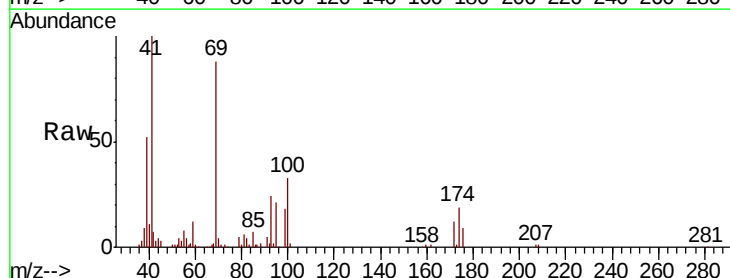
Tgt Ion: 41 Resp: 34461

Ion Ratio Lower Upper

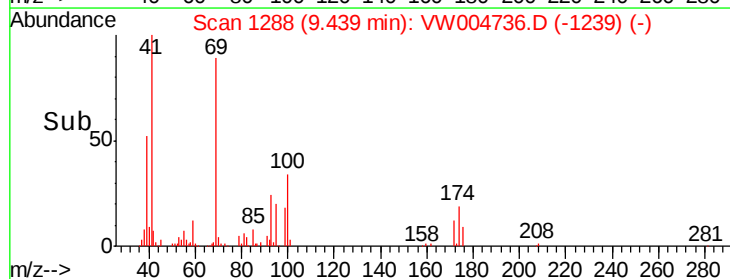
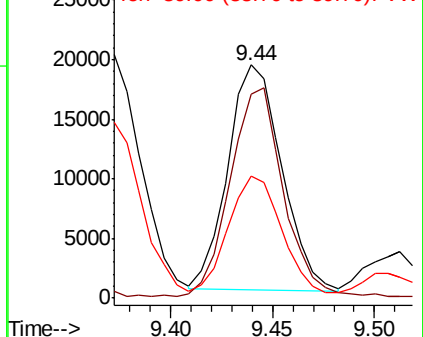
41 100

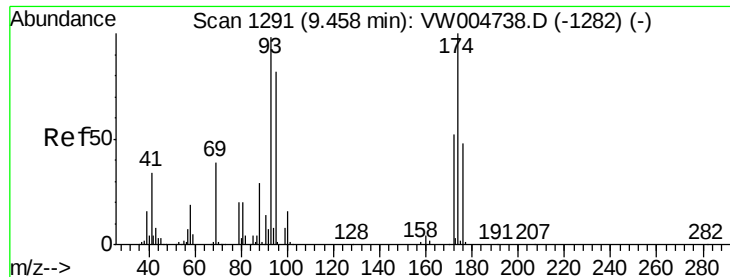
69 92.8 75.2 112.8

39 51.0 39.8 59.6



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: 192.737 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. 0.02 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

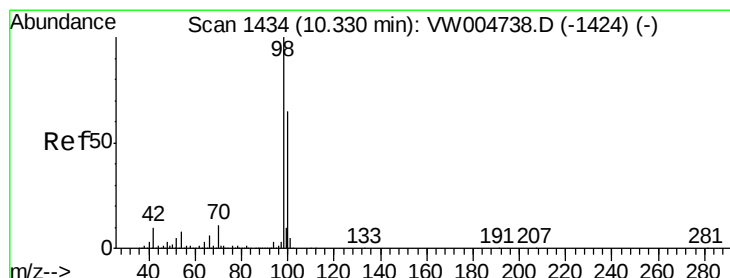
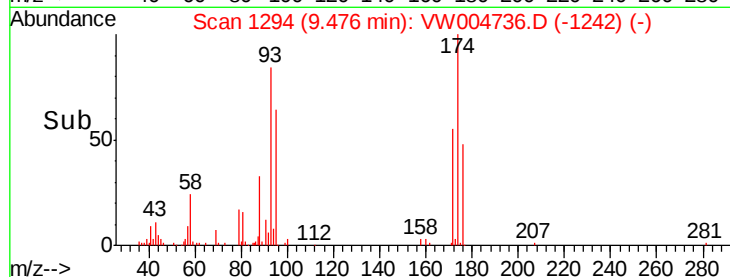
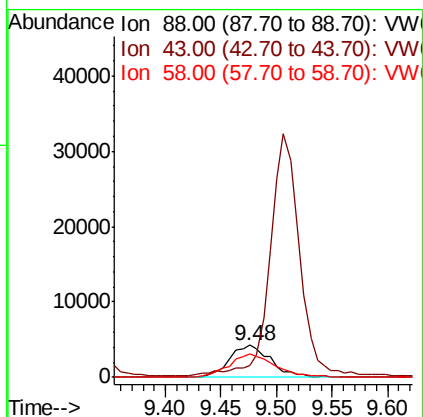
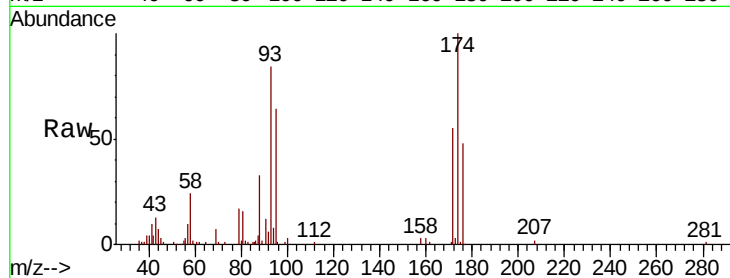
Tgt Ion: 88 Resp: 10801

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

58 82.8 60.0 90.0



#50

Toluene-d8

Concen: 9.428 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004736.D

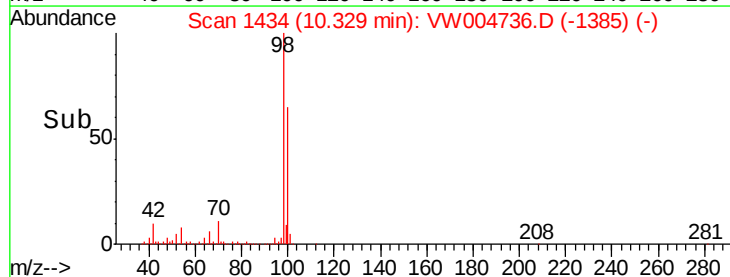
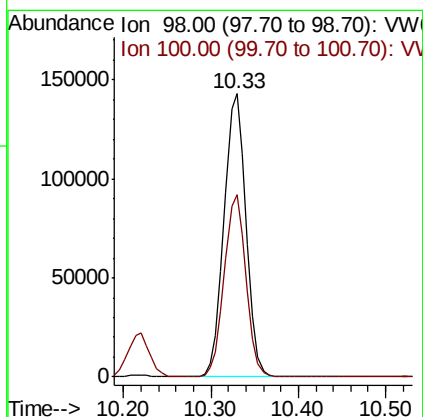
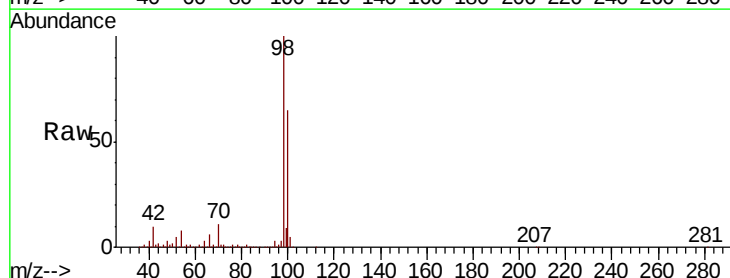
Acq: 17 Aug 2018 16:20

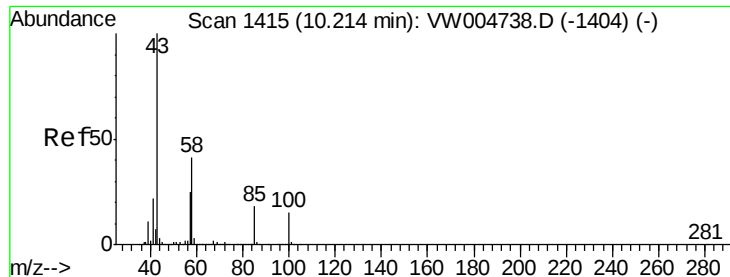
Tgt Ion: 98 Resp: 248698

Ion Ratio Lower Upper

98 100

100 63.6 51.8 77.8

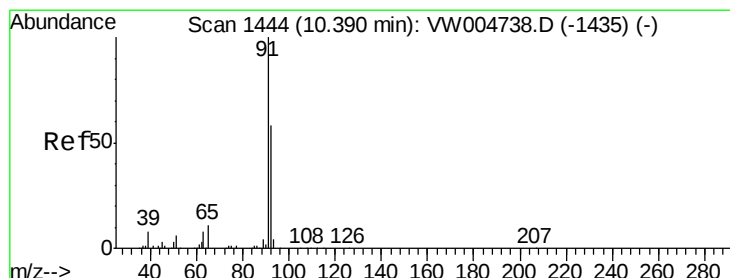
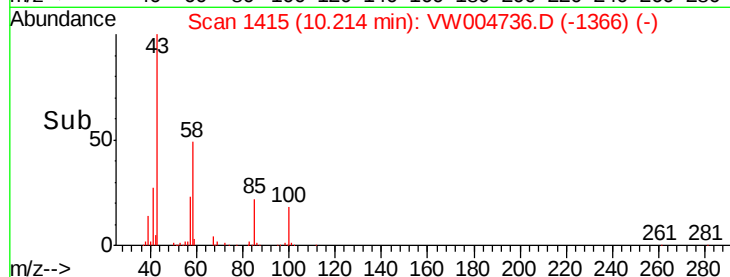
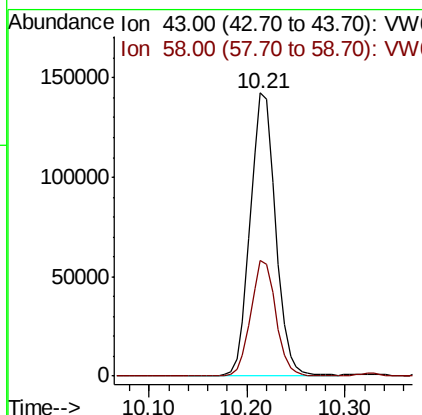
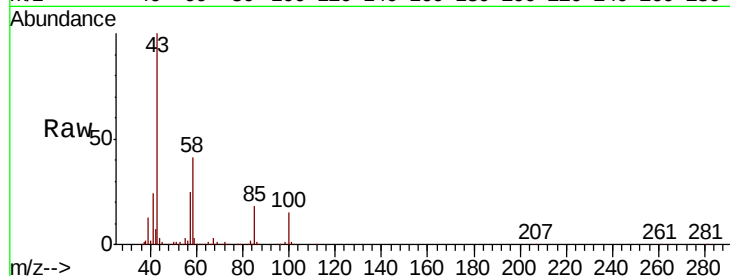




#51
 4-Methyl-2-Pentanone
 Concen: 48.711 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

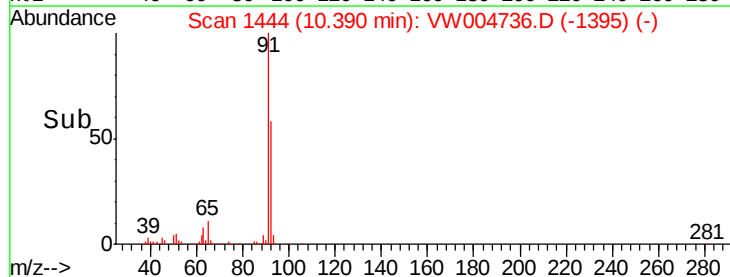
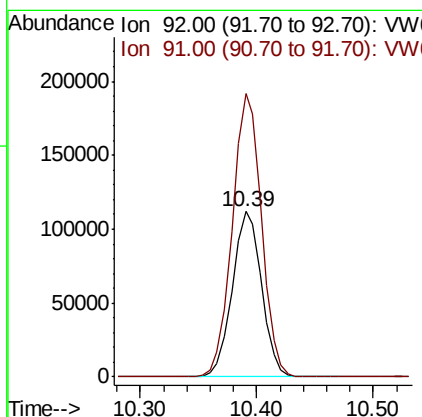
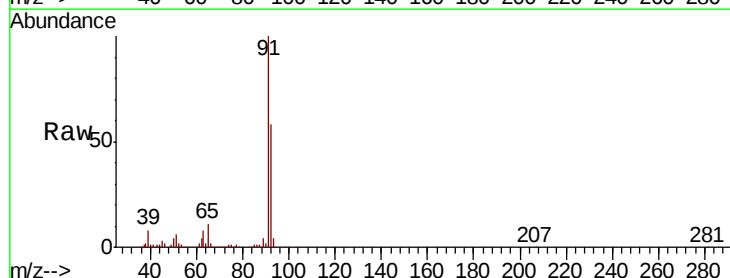
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

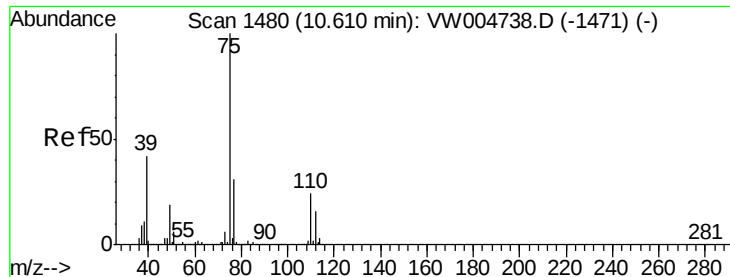
Tgt Ion: 43 Resp: 256737
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.7 49.1



#52
 Toluene
 Concen: 10.286 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion: 92 Resp: 195264
 Ion Ratio Lower Upper
 92 100
 91 171.3 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 9.804 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

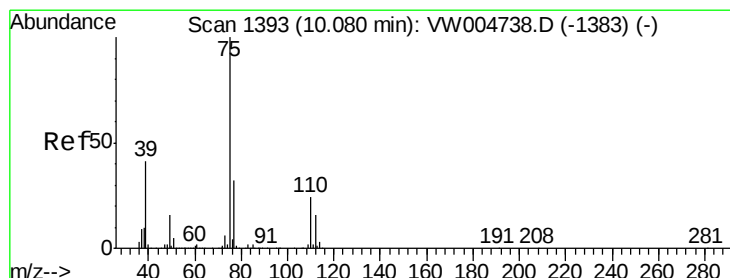
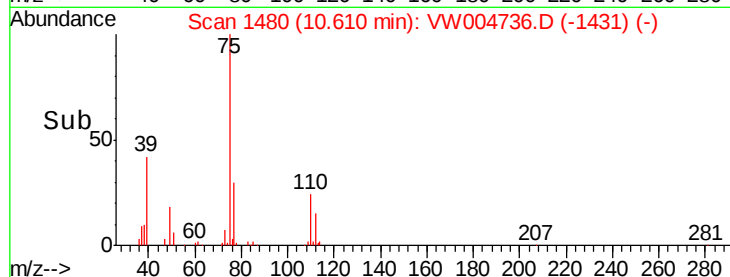
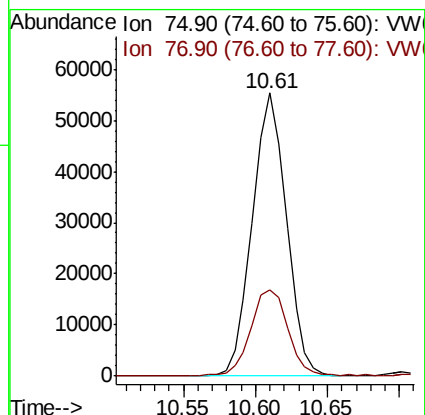
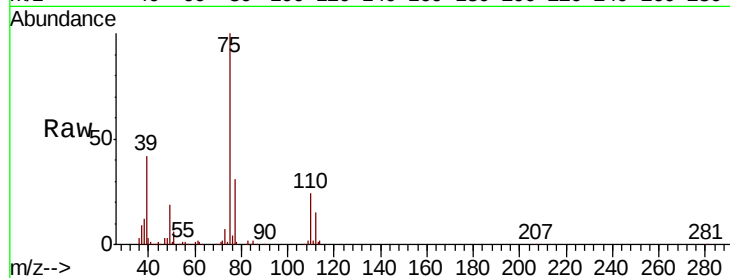
VSTDIC010

Tgt Ion: 75 Resp: 90484

Ion Ratio Lower Upper

75 100

77 30.4 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 9.792 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

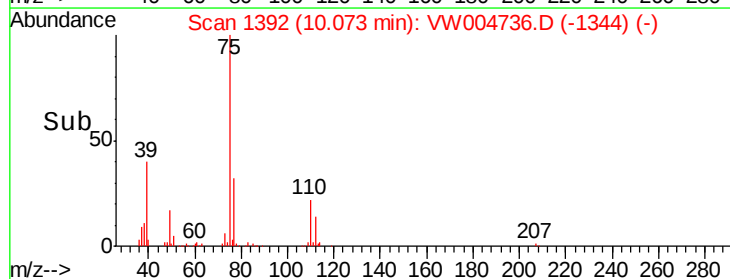
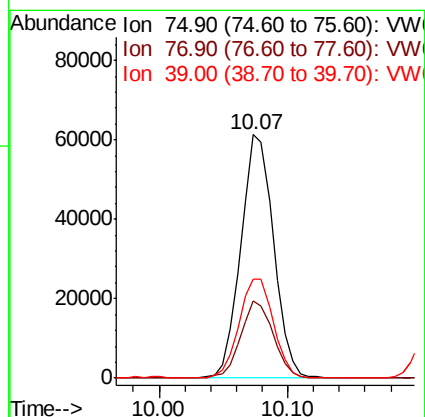
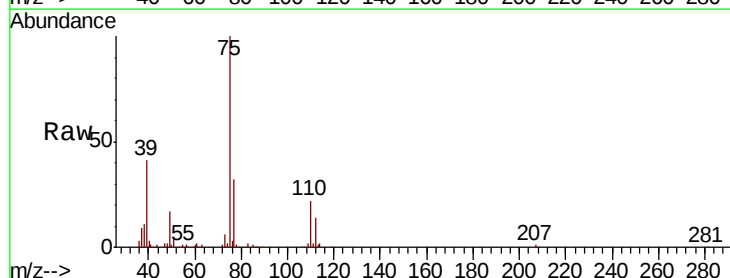
Tgt Ion: 75 Resp: 107743

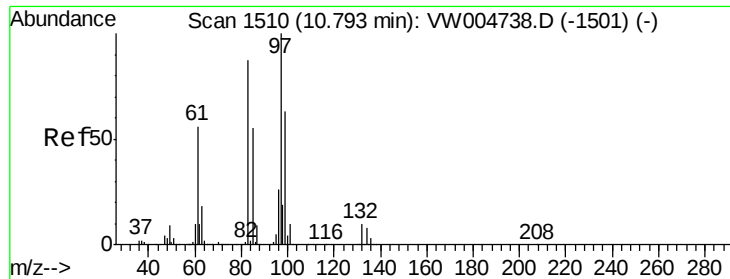
Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

39 40.4 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 10.259 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 55934

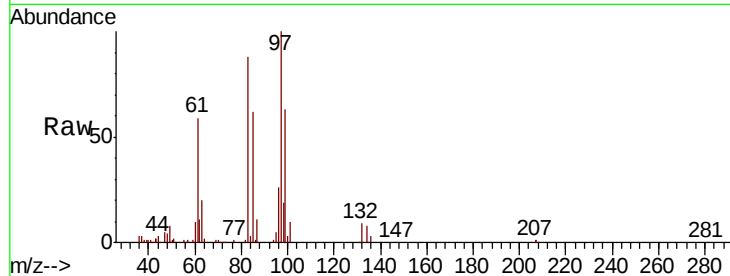
Ion Ratio Lower Upper

97 100

83 88.3 69.4 104.2

85 61.5 44.3 66.5

99 62.8 50.2 75.2

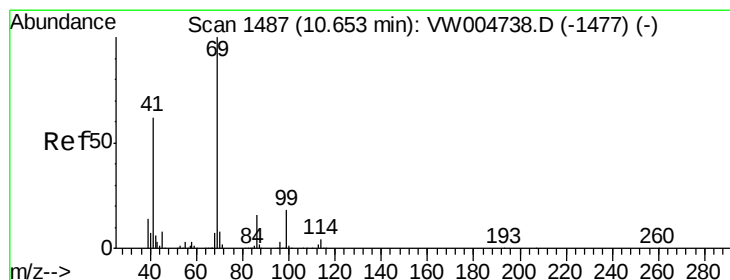
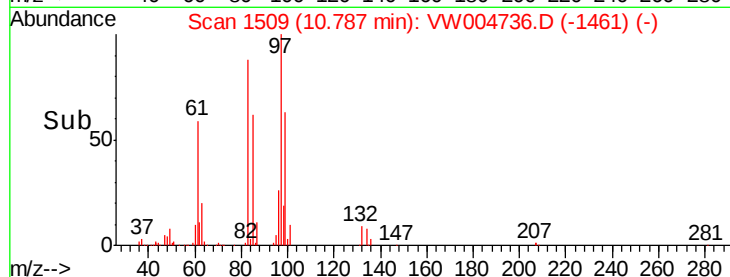
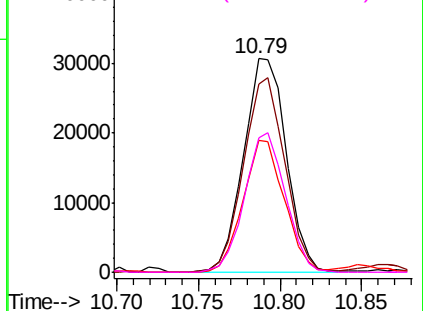


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 9.099 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

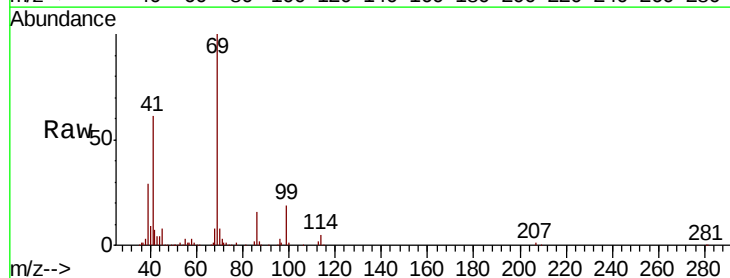
Tgt Ion: 69 Resp: 58605

Ion Ratio Lower Upper

69 100

41 62.9 50.7 76.1

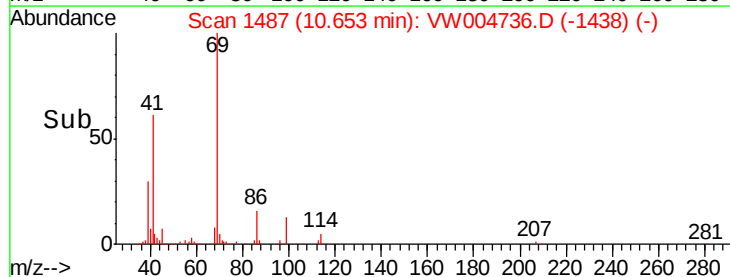
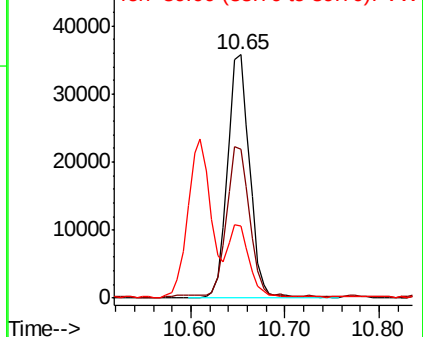
39 26.1 21.4 32.2

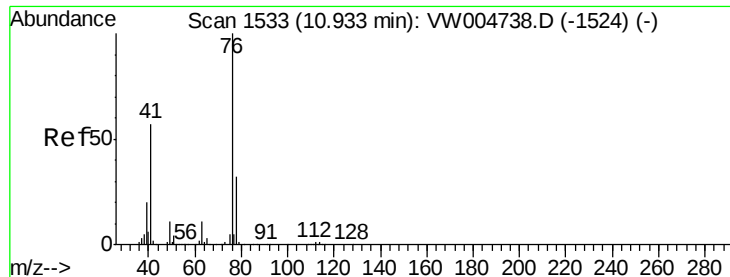


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 10.237 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

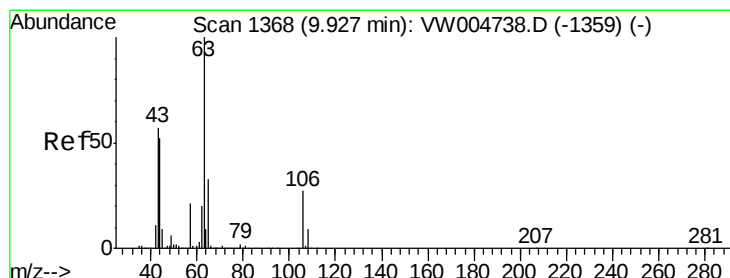
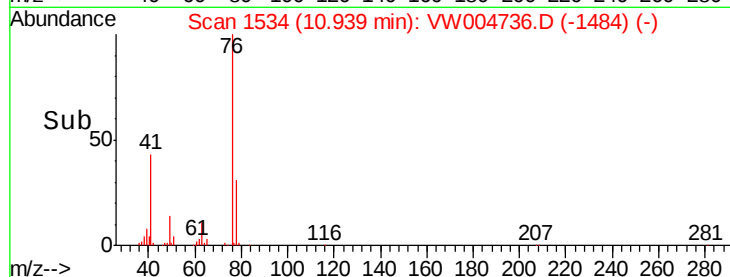
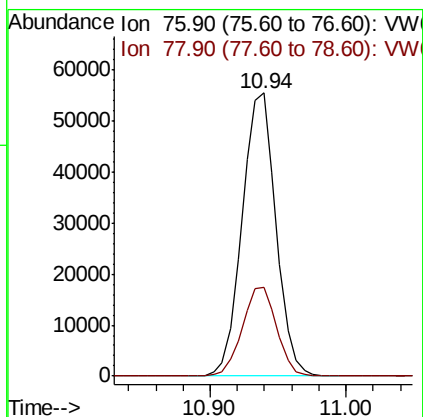
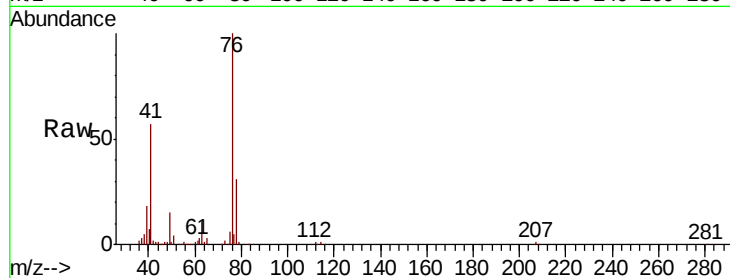
VSTDIC010

Tgt Ion: 76 Resp: 96348

Ion Ratio Lower Upper

76 100

78 32.1 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 47.874 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VW004736.D

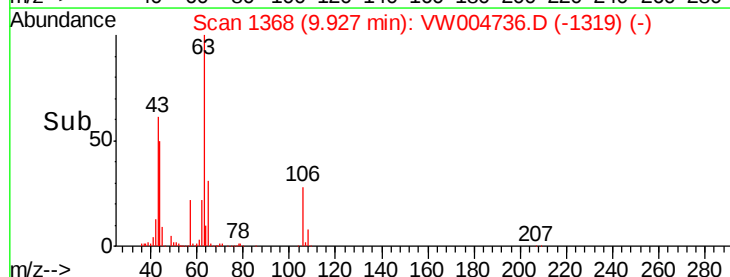
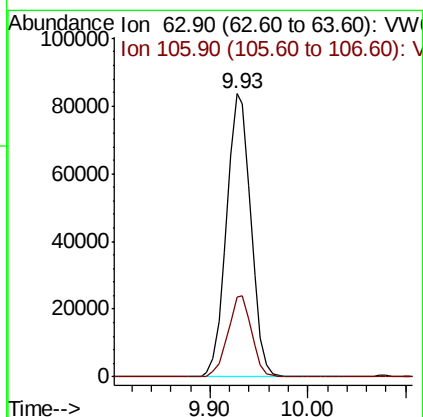
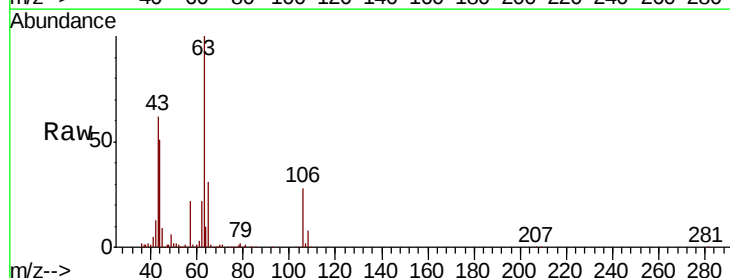
Acq: 17 Aug 2018 16:20

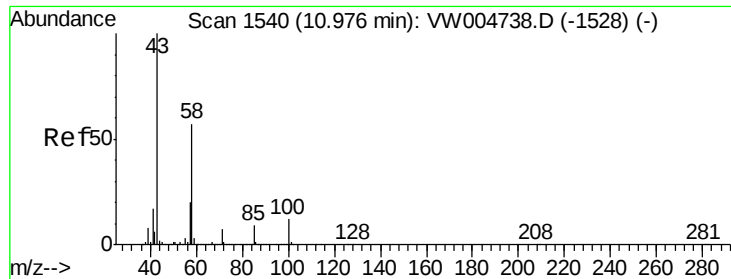
Tgt Ion: 63 Resp: 144155

Ion Ratio Lower Upper

63 100

106 28.1 22.1 33.1

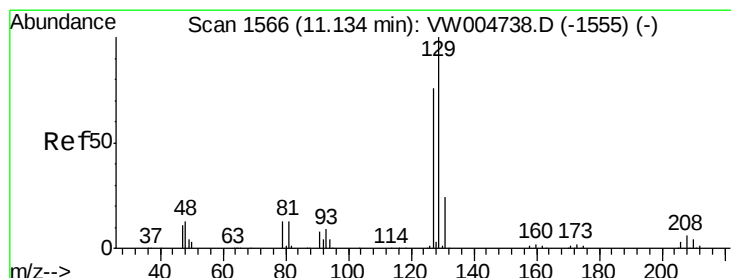
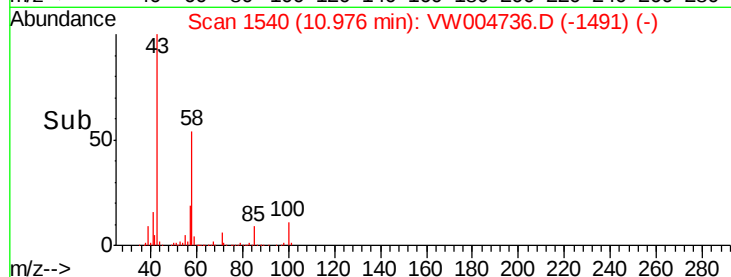
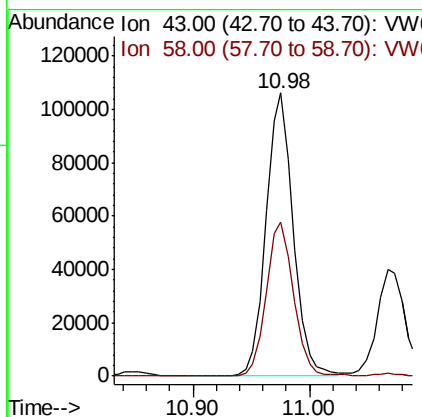
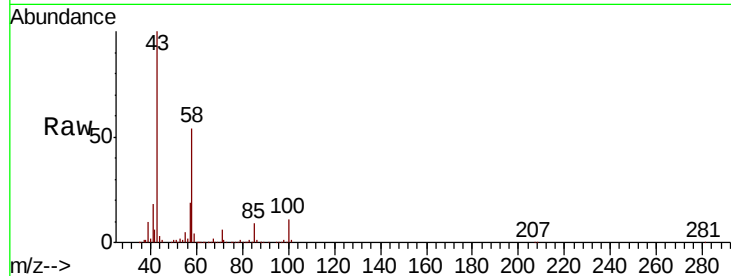




#59
2-Hexanone
Concen: 48.082 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

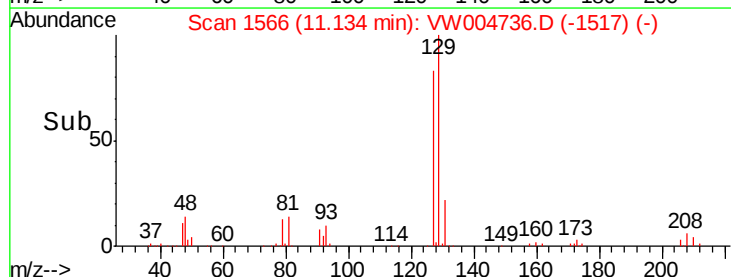
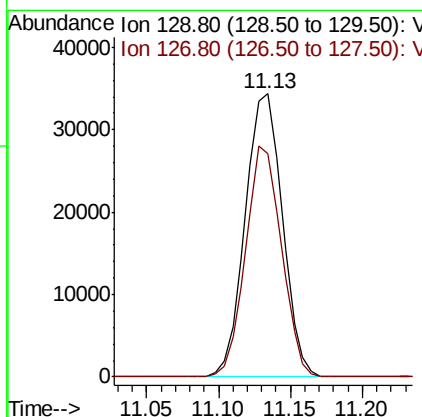
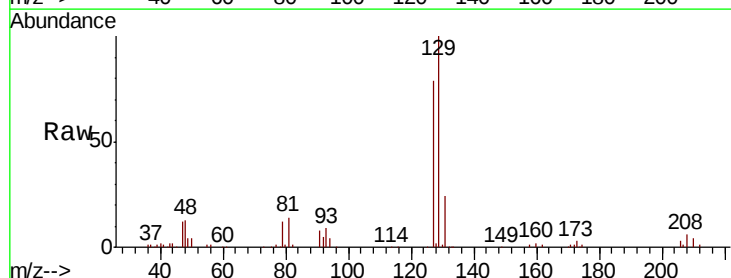
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

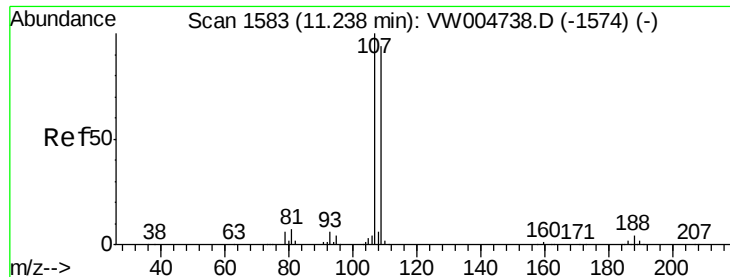
Tgt Ion: 43 Resp: 171711
Ion Ratio Lower Upper
43 100
58 54.8 28.1 84.4



#60
Dibromochloromethane
Concen: 10.055 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion: 129 Resp: 61508
Ion Ratio Lower Upper
129 100
127 78.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 10.266 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

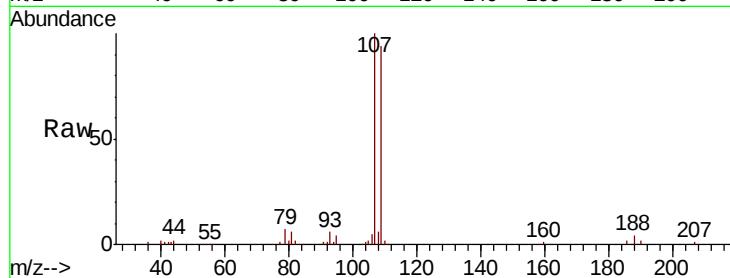
VSTDIC010

Tgt Ion: 107 Resp: 53504

Ion Ratio Lower Upper

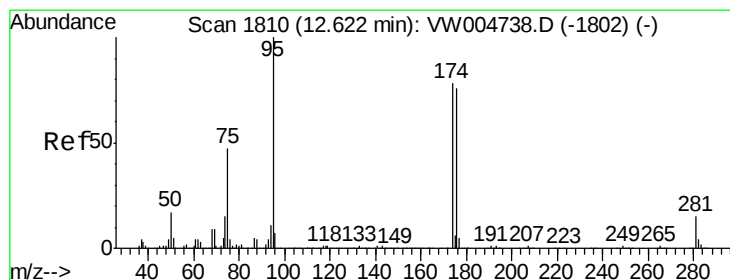
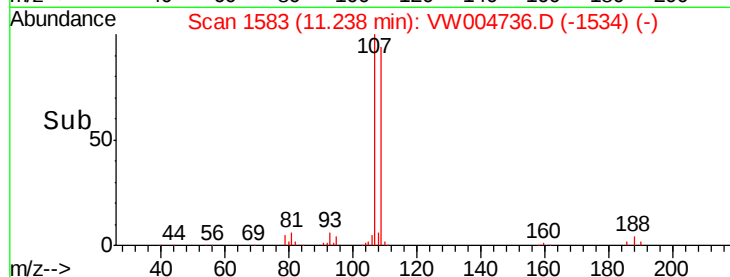
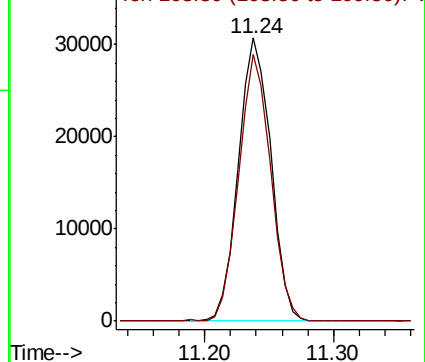
107 100

109 93.1 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 9.346 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

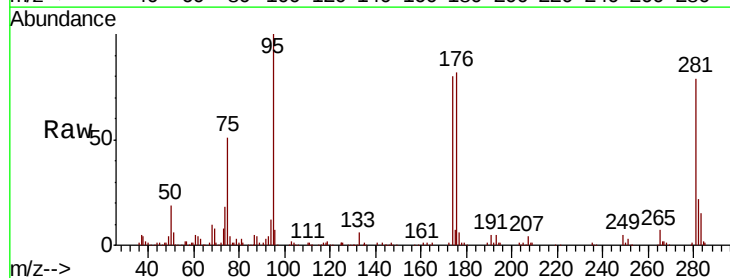
Tgt Ion: 95 Resp: 88693

Ion Ratio Lower Upper

95 100

174 82.1 0.0 165.8

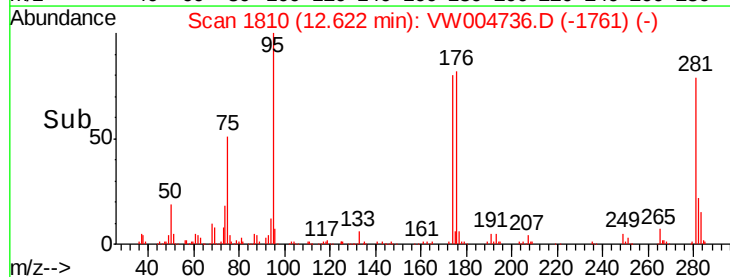
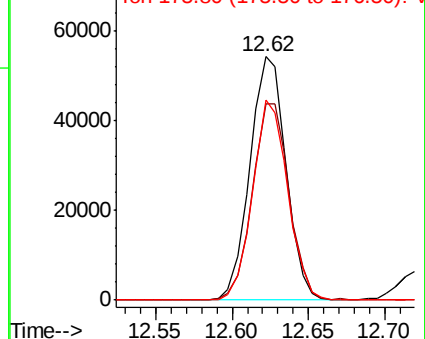
176 79.9 0.0 159.8

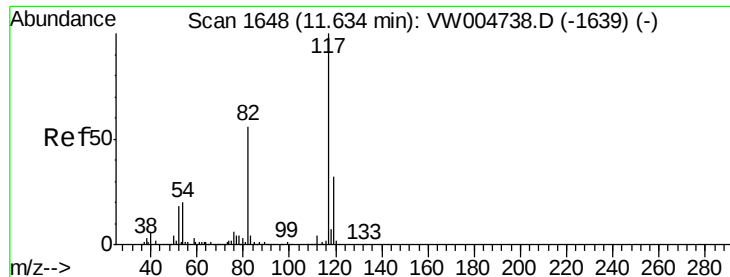


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

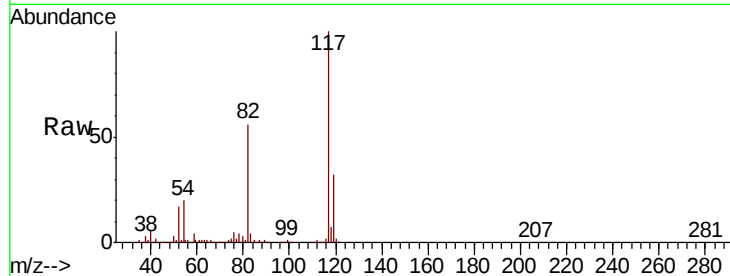




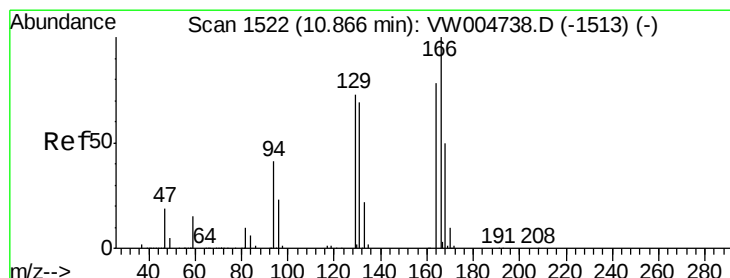
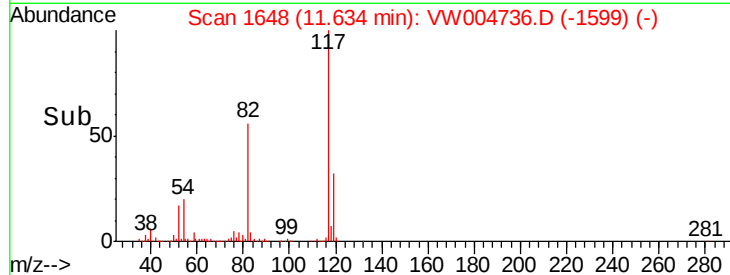
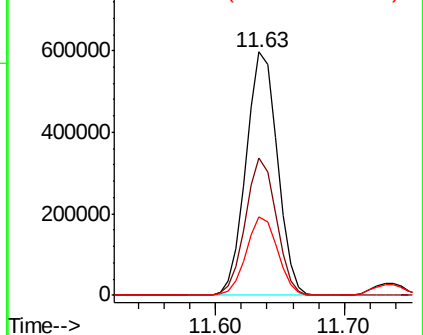
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:117 Resp: 1001531
Ion Ratio Lower Upper
117 100
82 56.3 44.6 67.0
119 32.3 25.6 38.4

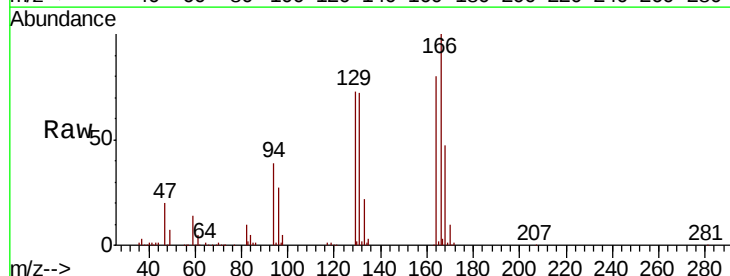


Abundance Ion 116.90 (116.60 to 117.60): V
800000 Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

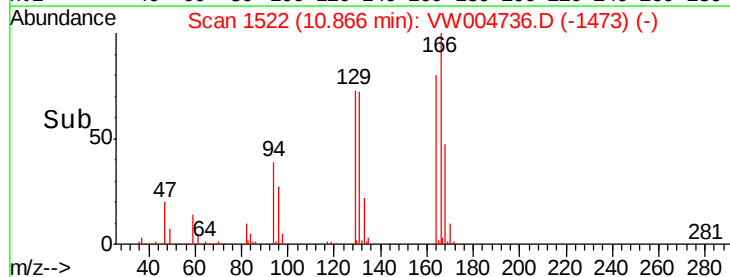
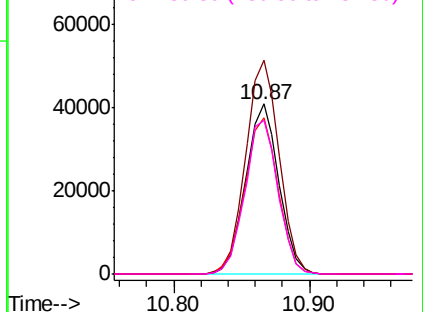


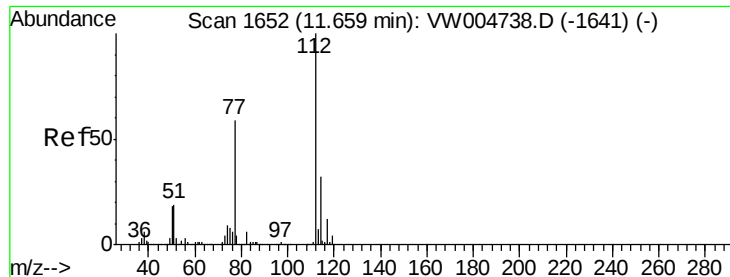
#64
Tetrachloroethene
Concen: 10.230 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion:164 Resp: 70019
Ion Ratio Lower Upper
164 100
166 125.6 102.5 153.7
129 91.6 75.1 112.7
131 90.3 71.3 106.9



Abundance Ion 163.80 (163.50 to 164.50): V
80000 Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 10.201 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

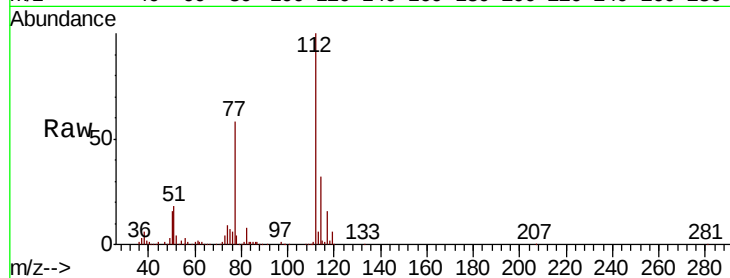
VSTDIC010

Tgt Ion:112 Resp: 219897

Ion Ratio Lower Upper

112 100

114 31.9 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

150000

100000

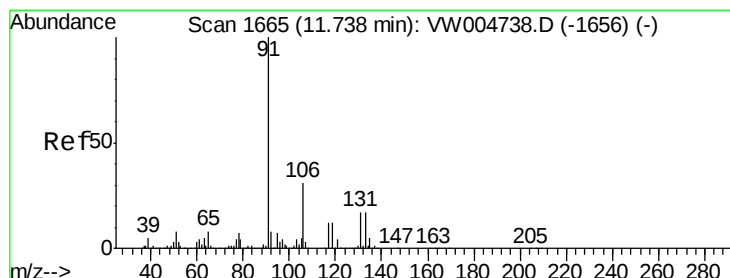
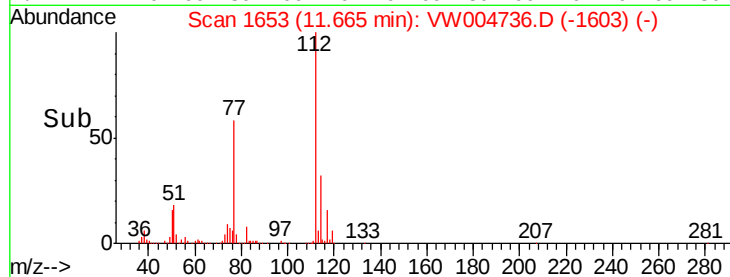
50000

0

11.66

11.60 11.70

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 10.022 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

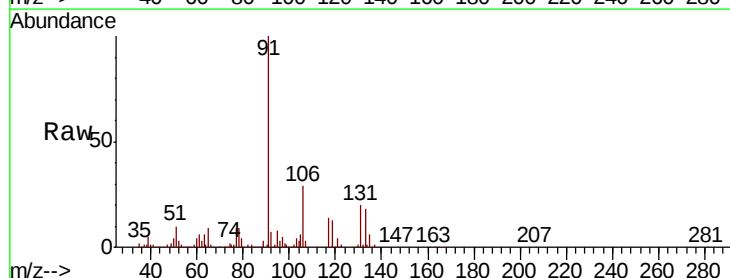
Tgt Ion:131 Resp: 72945

Ion Ratio Lower Upper

131 100

133 94.0 48.2 144.6

119 66.4 34.0 102.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

250000

200000

150000

100000

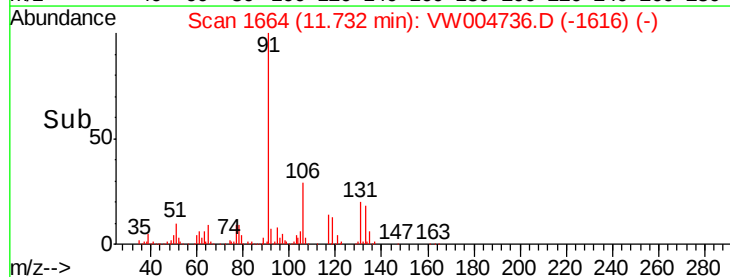
50000

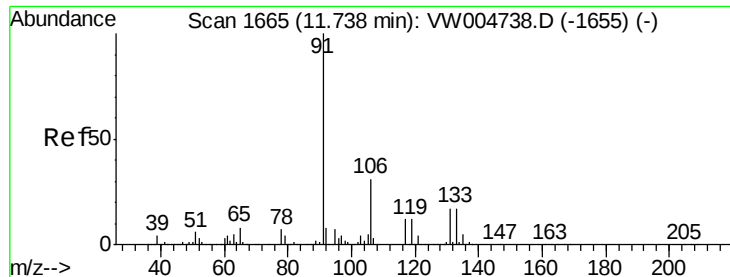
0

11.73

11.65 11.70 11.75 11.80

Time-->





#67

Ethyl Benzene

Concen: 9.822 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

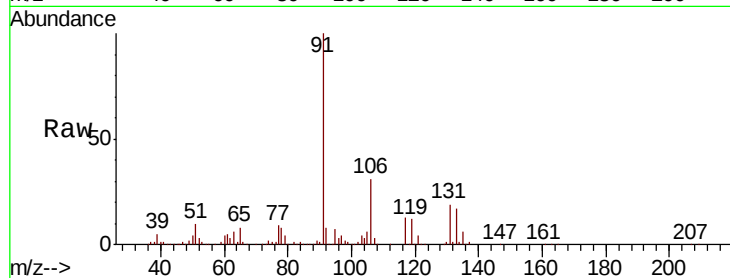
VSTDIC010

Tgt Ion: 91 Resp: 358914

Ion Ratio Lower Upper

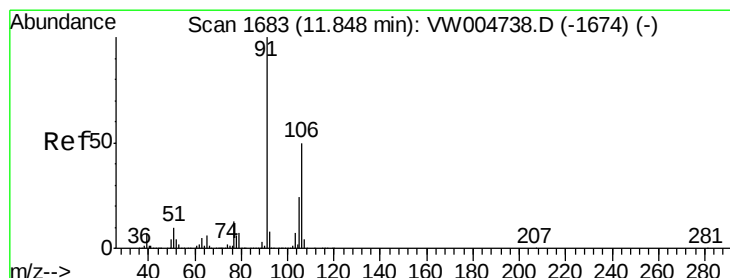
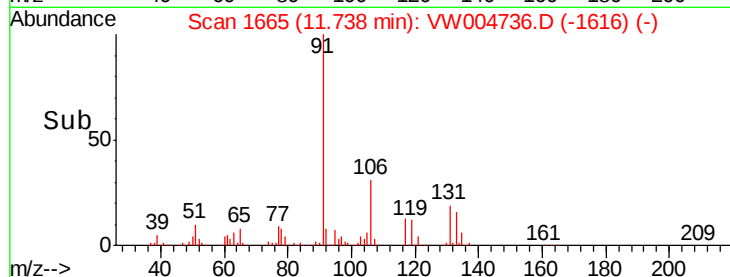
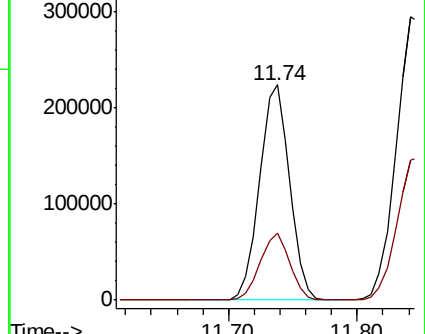
91 100

106 31.2 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 19.736 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004736.D

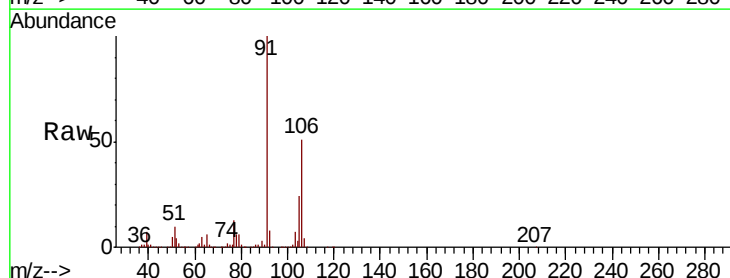
Acq: 17 Aug 2018 16:20

Tgt Ion: 106 Resp: 280593

Ion Ratio Lower Upper

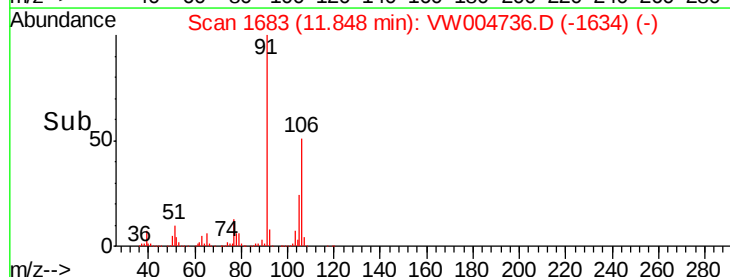
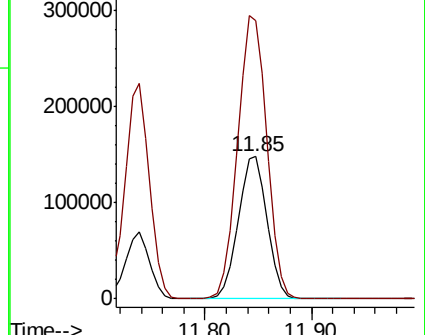
106 100

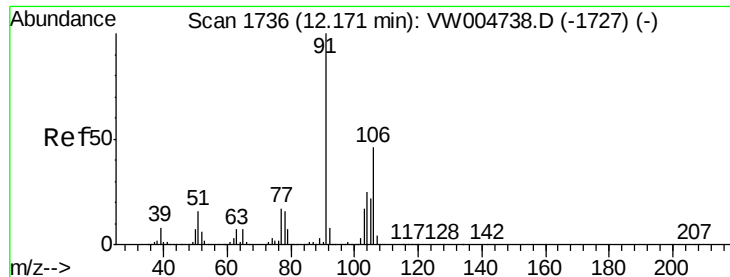
91 201.2 159.9 239.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

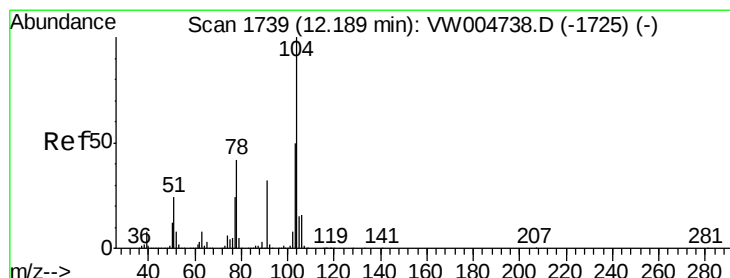
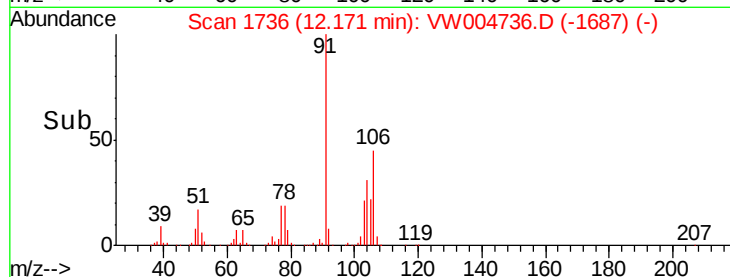
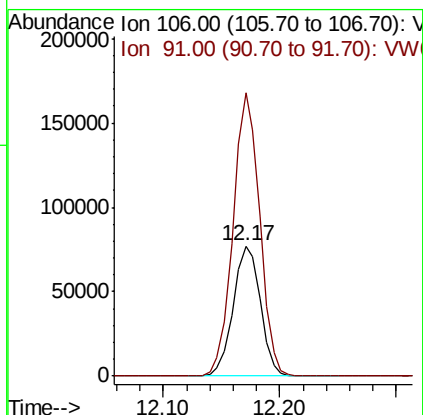
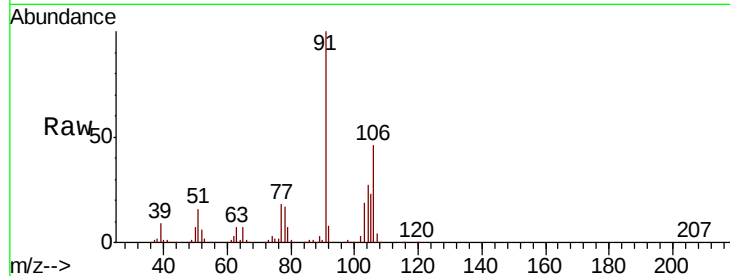




#69
o-Xylene
Concen: 9.562 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

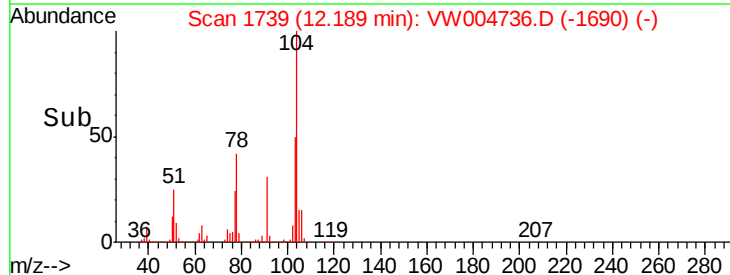
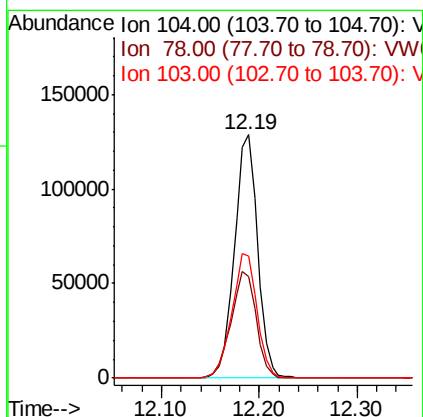
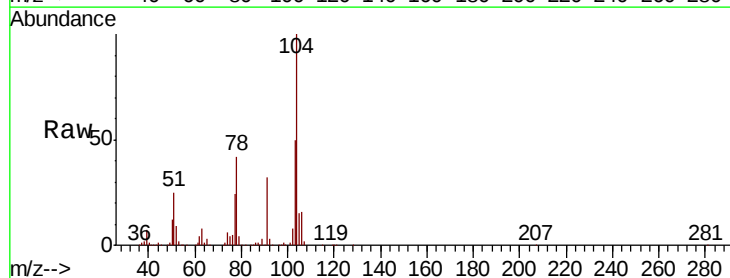
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

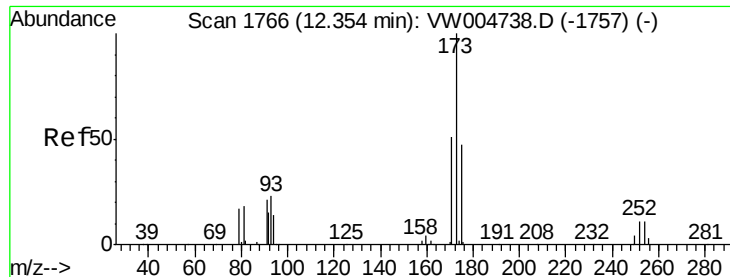
Tgt Ion:106 Resp: 125856
Ion Ratio Lower Upper
106 100
91 212.6 107.3 321.8



#70
Styrene
Concen: 9.579 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion:104 Resp: 211784
Ion Ratio Lower Upper
104 100
78 47.9 38.4 57.6
103 55.2 44.1 66.1





#71

Bromoform

Concen: 9.957 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

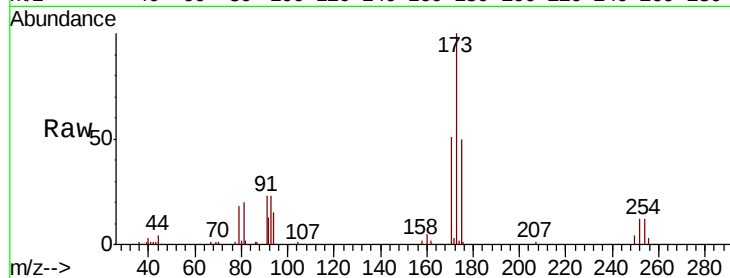
Tgt Ion:173 Resp: 38252

Ion Ratio Lower Upper

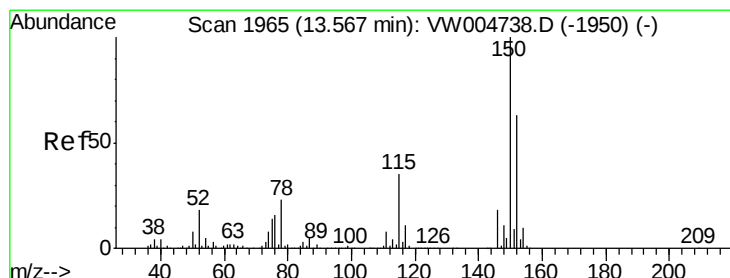
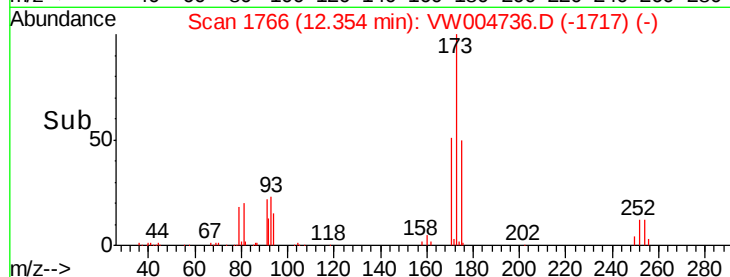
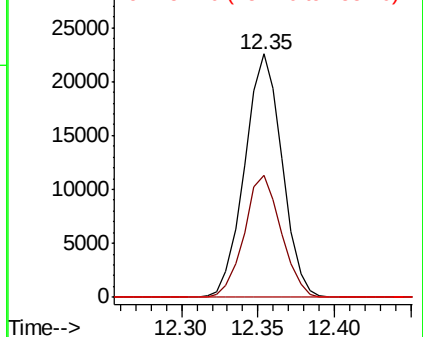
173 100

175 49.2 23.8 71.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

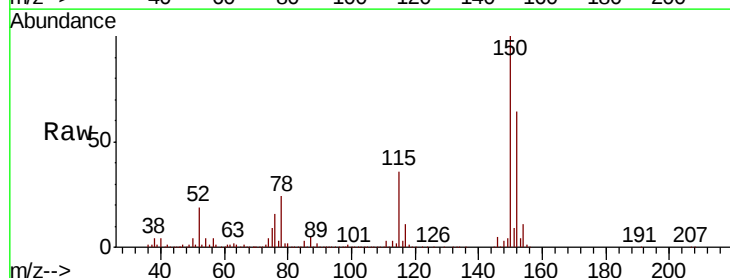
Tgt Ion:152 Resp: 539492

Ion Ratio Lower Upper

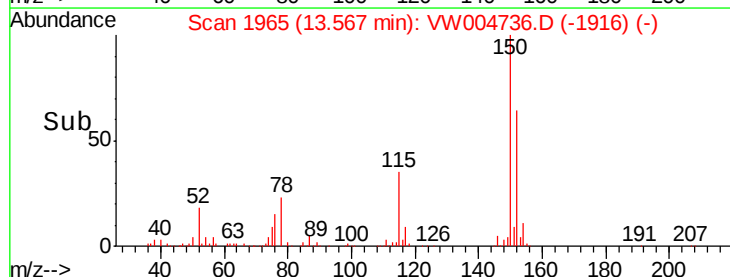
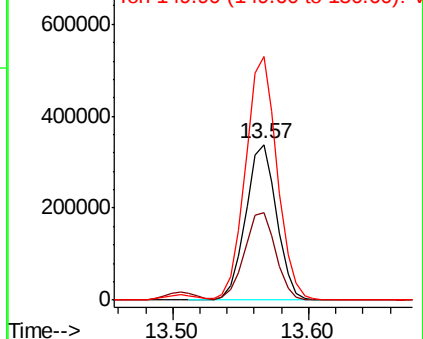
152 100

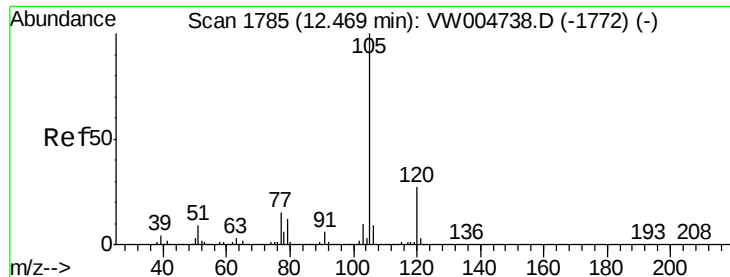
115 56.8 28.5 85.5

150 160.0 0.0 344.8



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





#73

Isopropylbenzene

Concen: 9.609 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

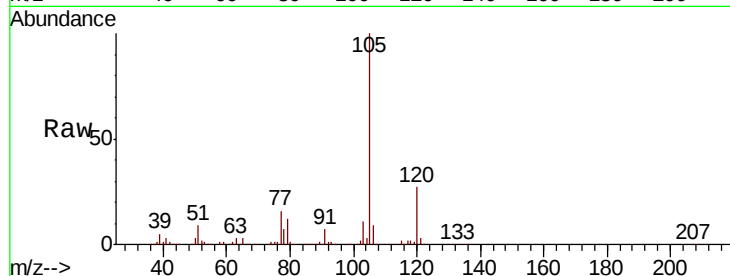
VSTDIC010

Tgt Ion:105 Resp: 352671

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

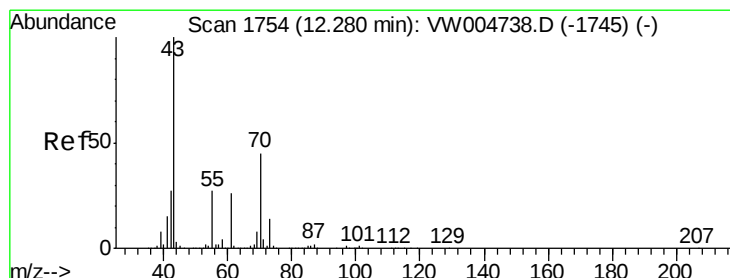
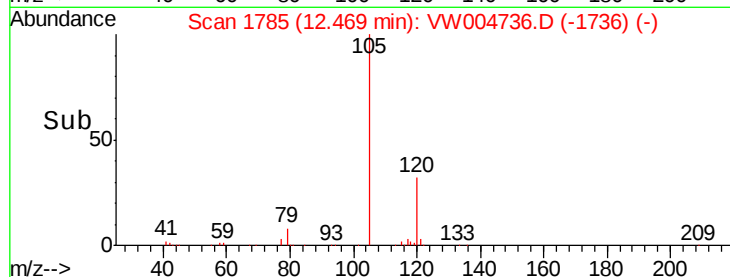
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 9.040 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Tgt Ion: 43 Resp: 69551

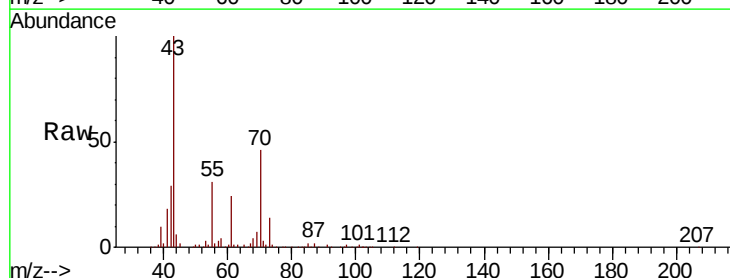
Ion Ratio Lower Upper

43 100

70 45.1 36.3 54.5

55 31.5 22.6 33.8

61 25.0 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

40000

20000

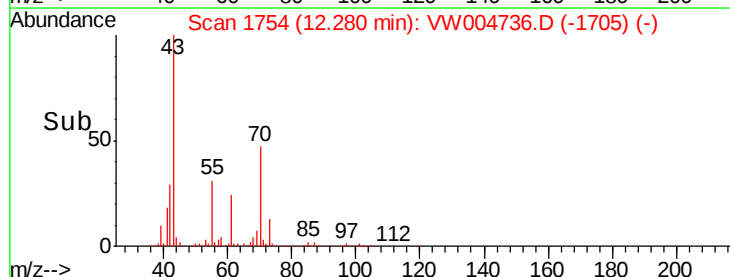
0

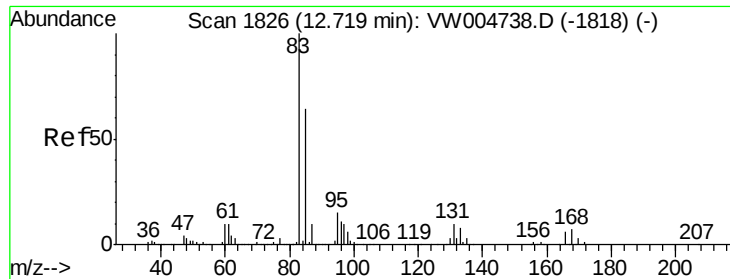
12.28

12.20

12.30

Time-->

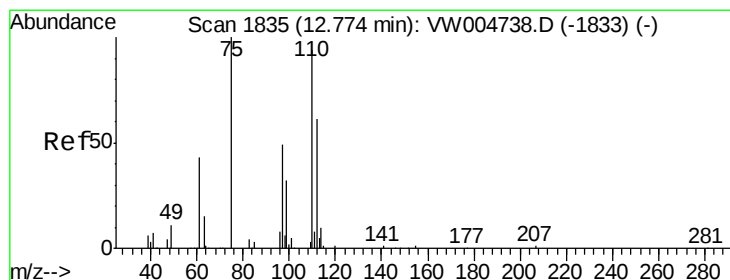
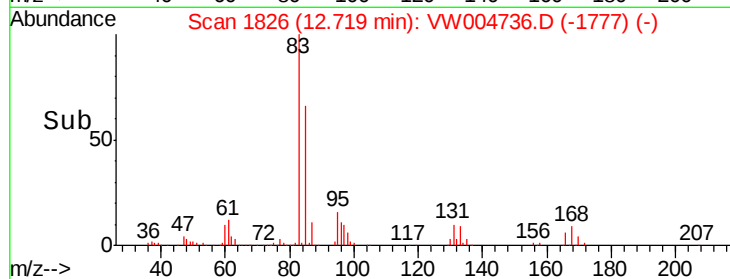
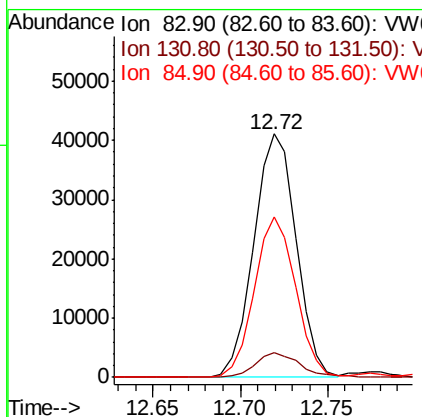
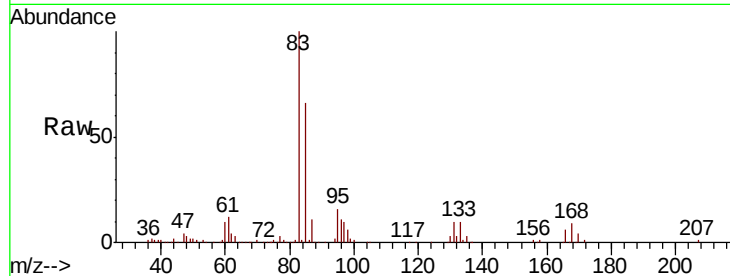




#75
 1,1,2,2-Tetrachloroethane
 Concen: 10.168 ug/l
 RT: 12.72 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

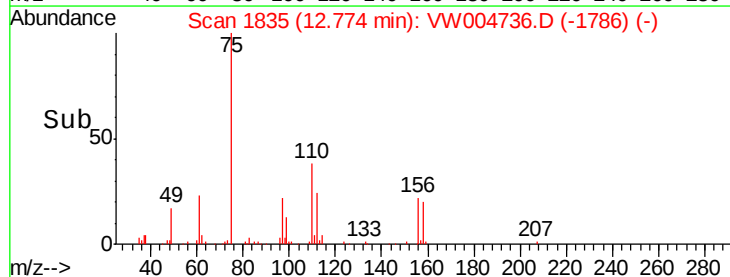
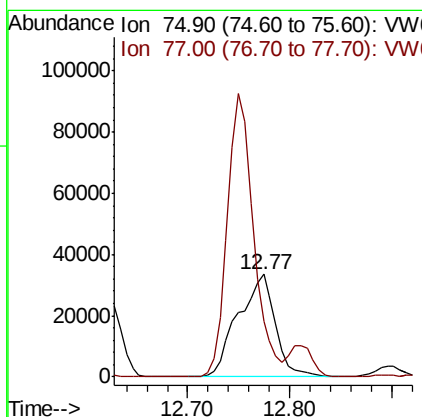
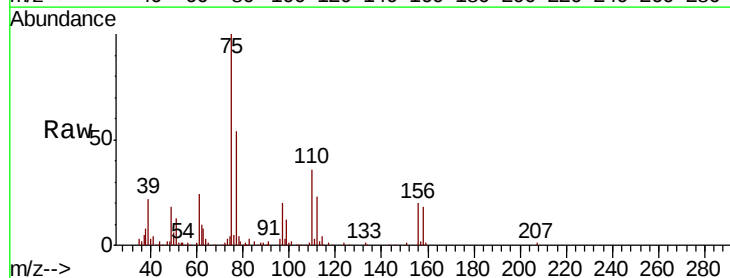
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

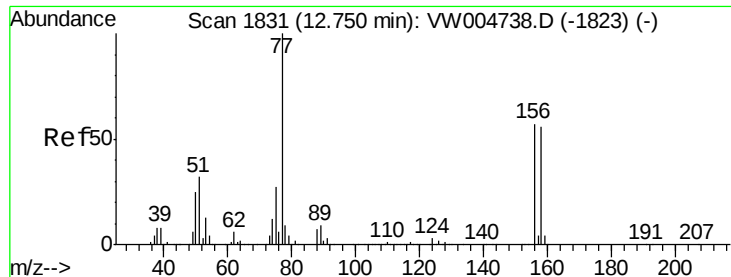
Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	15.8
85	64.2	31.9	95.9



#76
 1,2,3-Trichloropropane
 Concen: 10.682 ug/l
 RT: 12.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 9.970 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

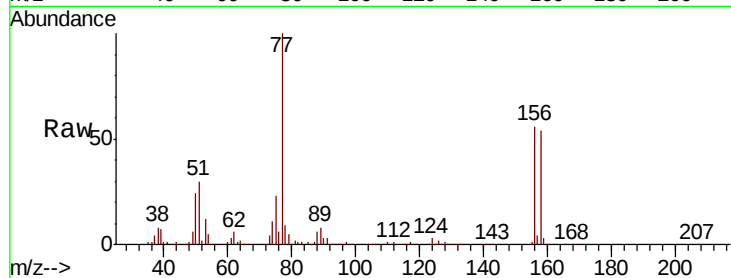
Tgt Ion:156 Resp: 88569

Ion Ratio Lower Upper

156 100

77 187.1 94.2 282.4

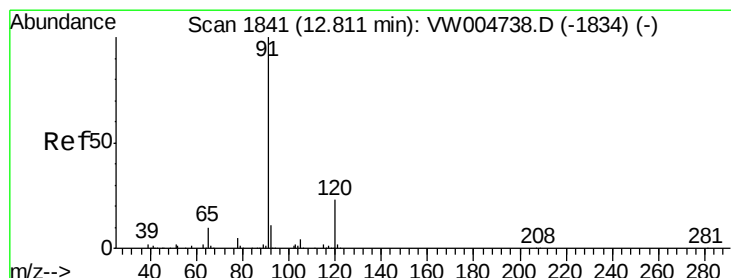
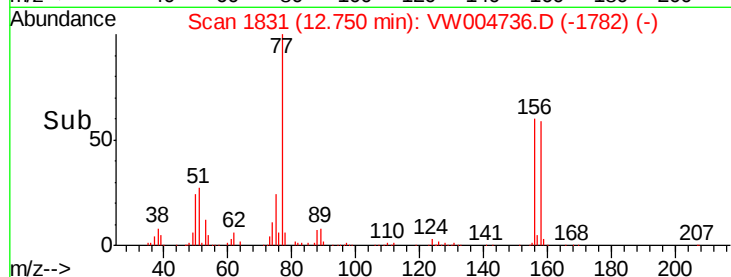
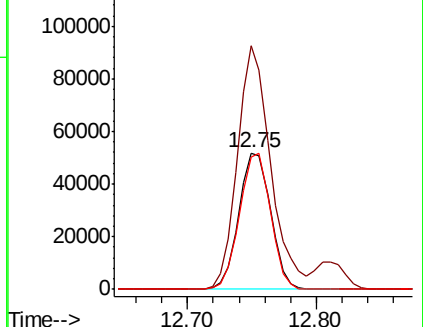
158 96.9 48.6 145.9



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: 9.654 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW004736.D

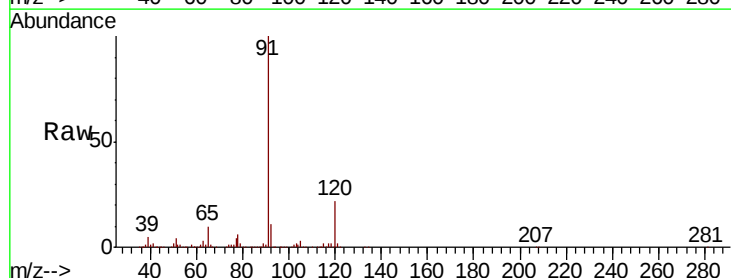
Acq: 17 Aug 2018 16:20

Tgt Ion: 91 Resp: 432383

Ion Ratio Lower Upper

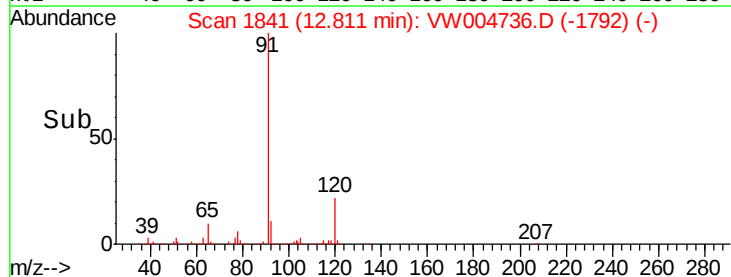
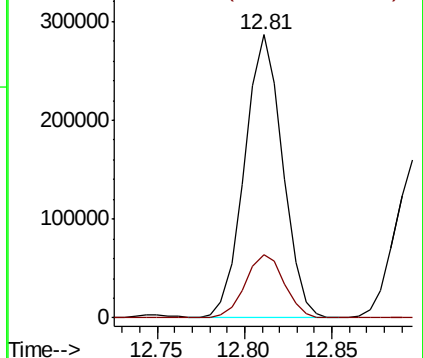
91 100

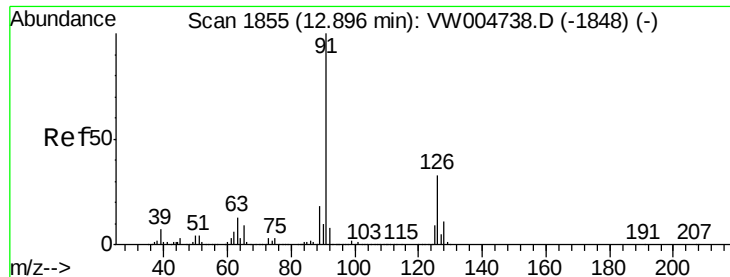
120 22.9 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

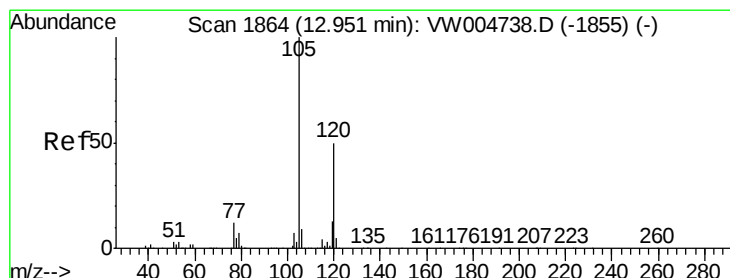
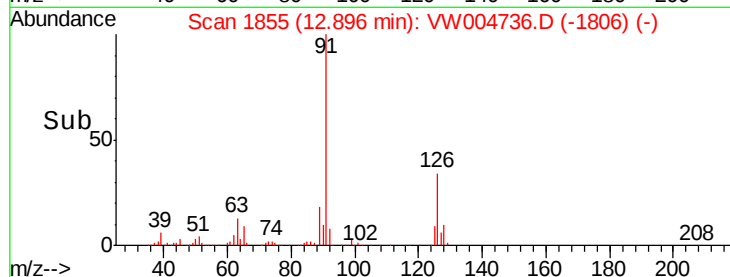
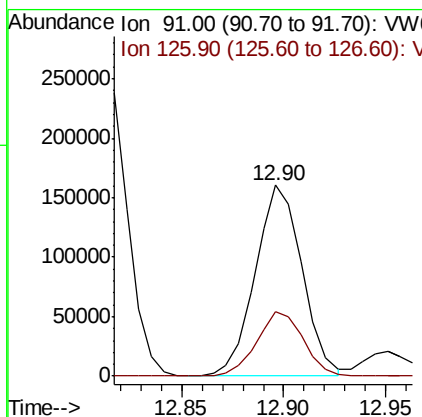
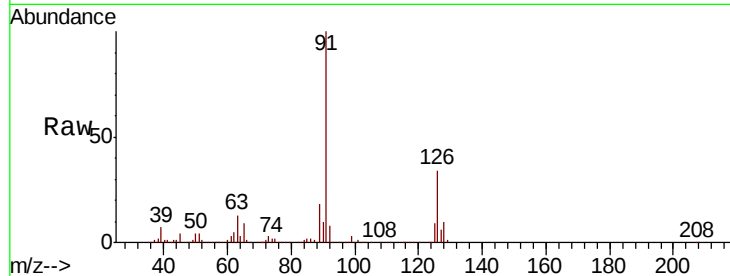




#79
 2-Chlorotoluene
 Concen: 9.881 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

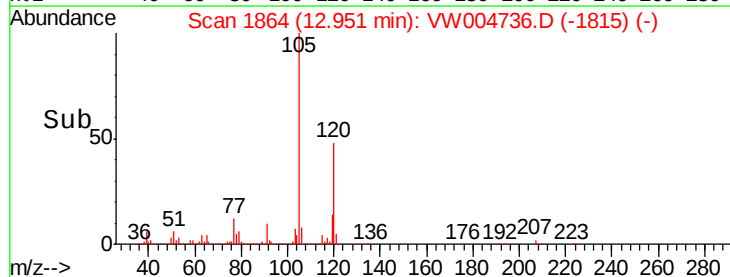
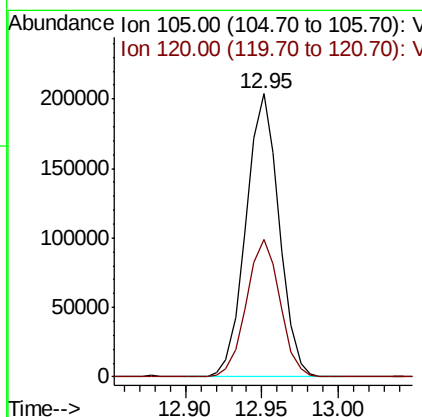
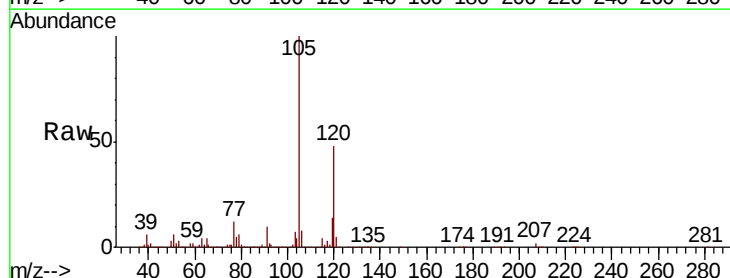
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

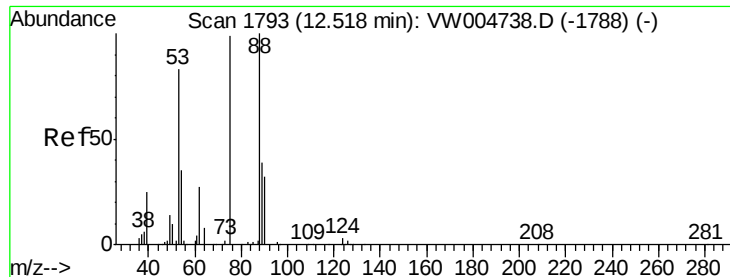
Tgt Ion: 91 Resp: 255080
 Ion Ratio Lower Upper
 91 100
 126 33.8 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 9.818 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion: 105 Resp: 306123
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 9.124 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

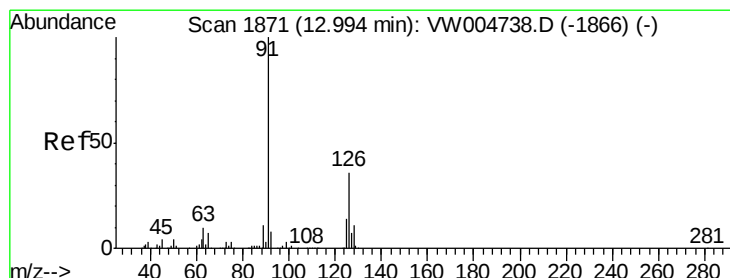
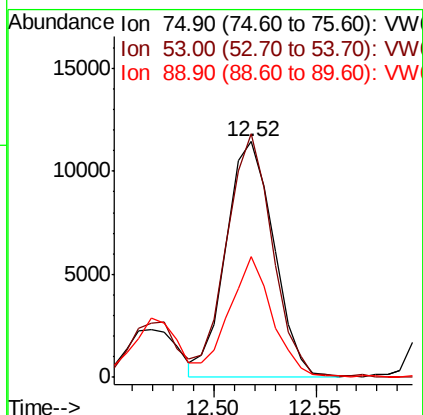
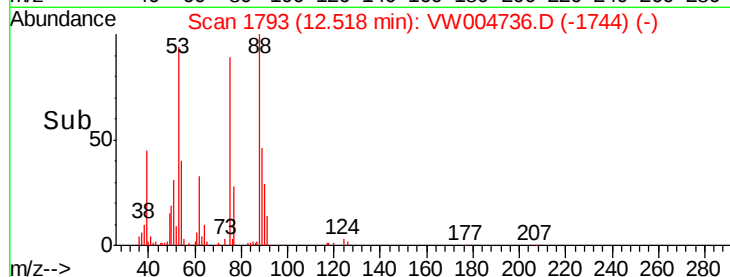
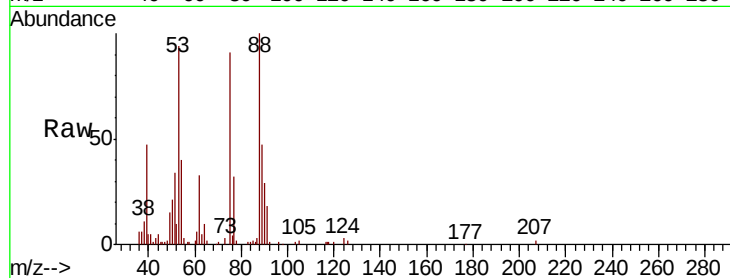
Tgt Ion: 75 Resp: 18669

Ion Ratio Lower Upper

75 100

53 98.9 72.2 108.4

89 45.5 35.2 52.8



#82

4-Chlorotoluene

Concen: 10.107 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW004736.D

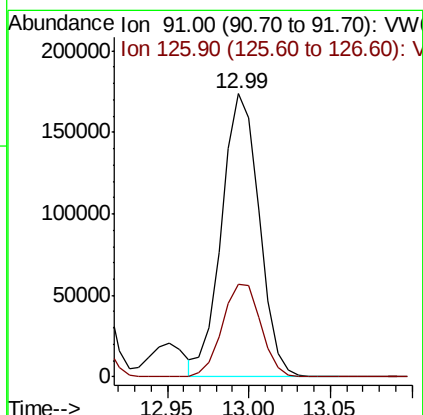
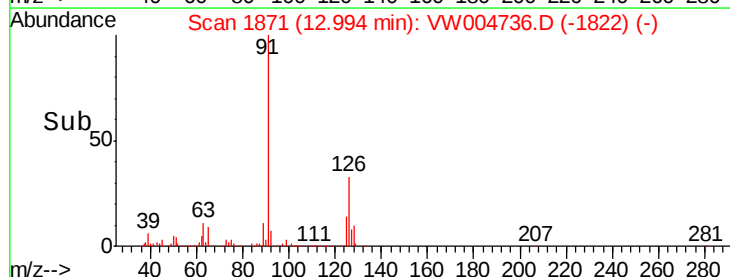
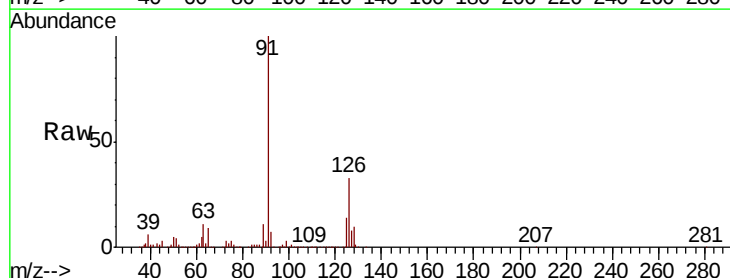
Acq: 17 Aug 2018 16:20

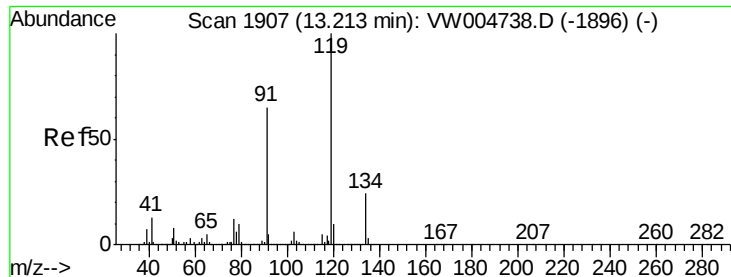
Tgt Ion: 91 Resp: 277213

Ion Ratio Lower Upper

91 100

126 33.8 16.9 50.7

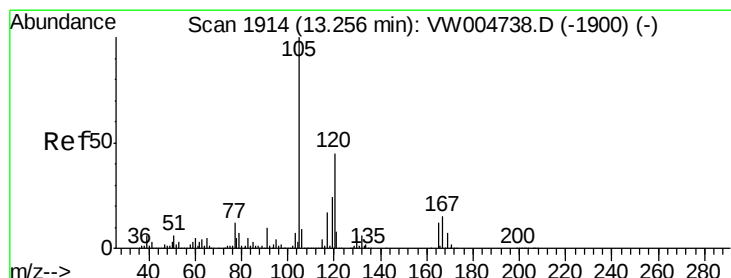
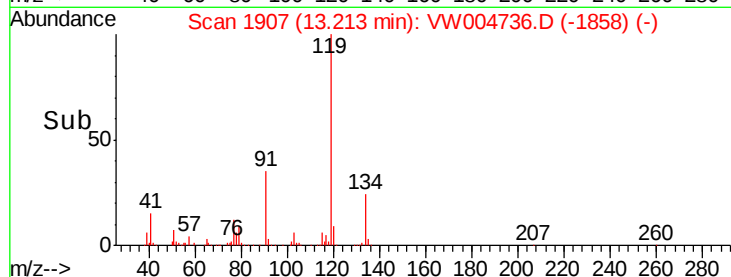
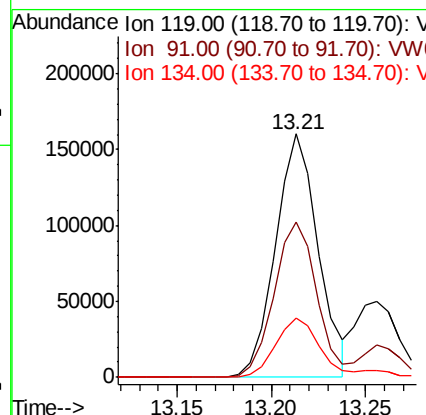
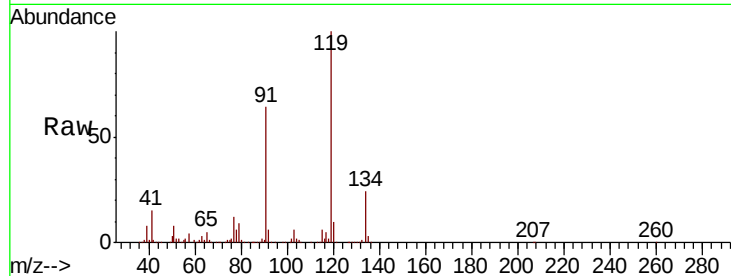




#83
 tert-Butylbenzene
 Concen: 9.424 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

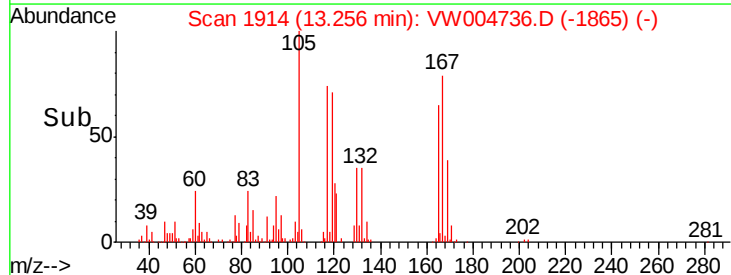
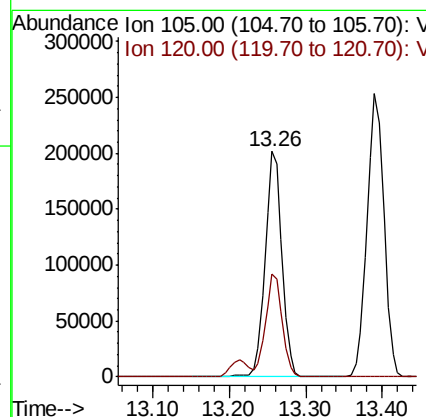
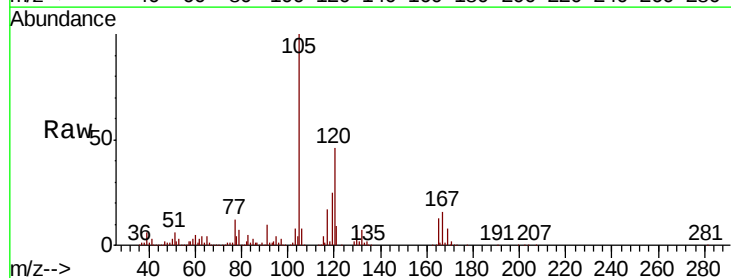
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

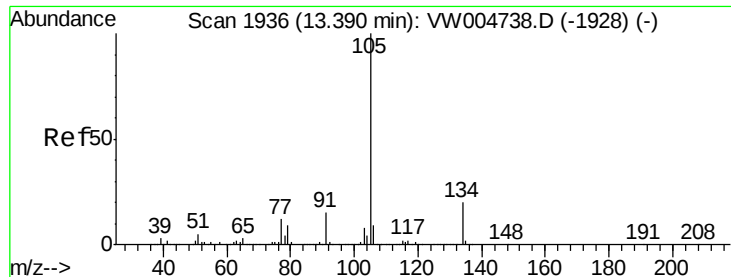
Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.5	32.6	97.8
134	27.0	13.1	39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 9.750 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.8	68.3

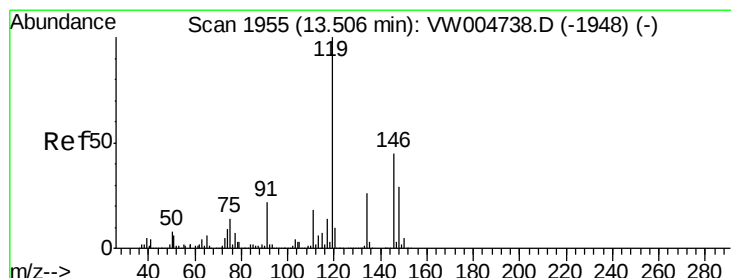
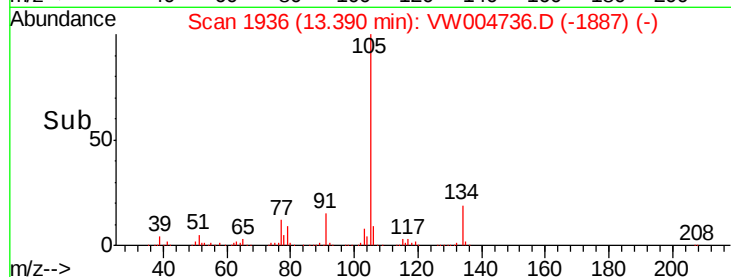
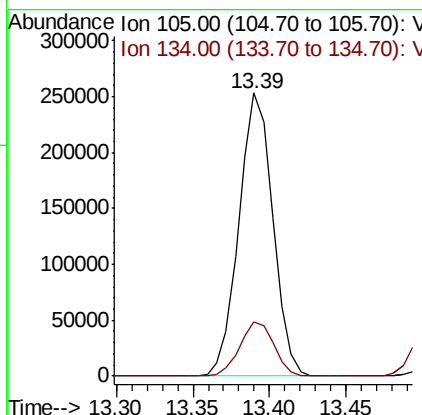
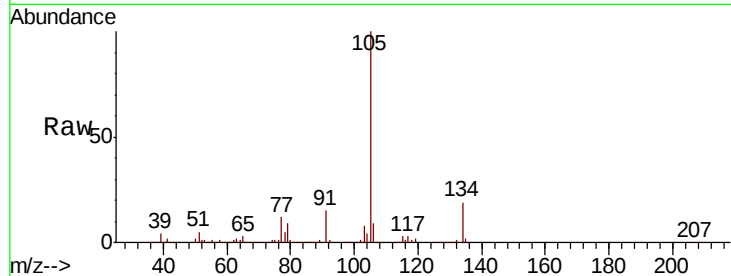




#85
 sec-Butylbenzene
 Concen: 9.775 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

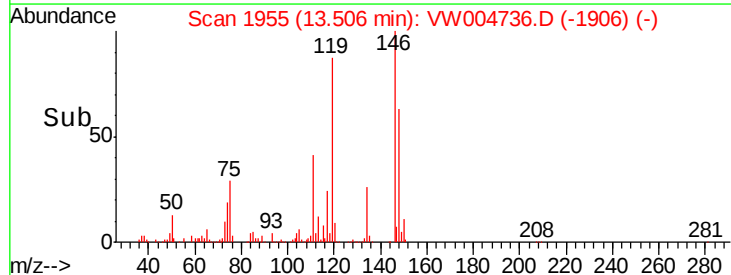
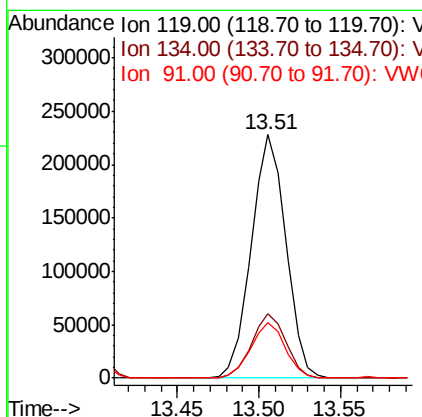
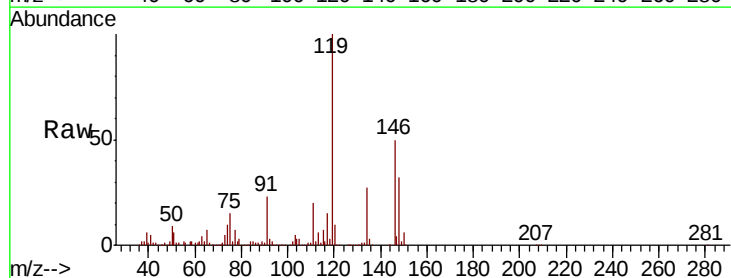
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

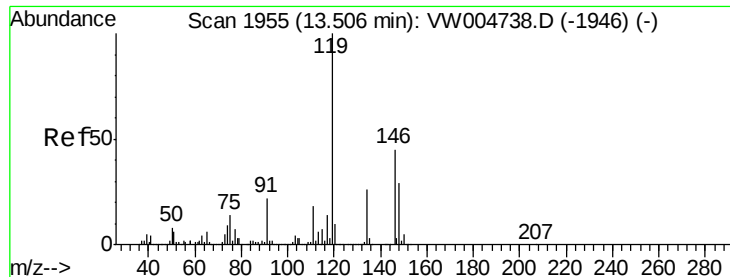
Tgt Ion:105 Resp: 389243
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 9.702 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion:119 Resp: 336127
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.3
 91 22.4 11.2 33.5

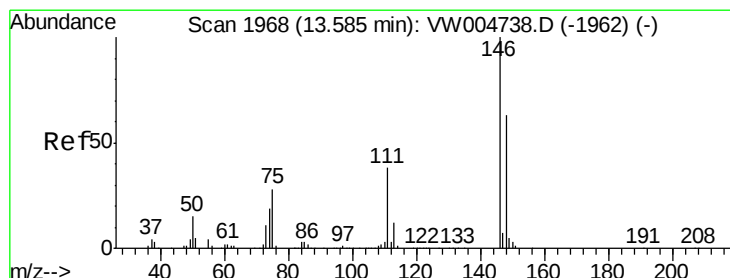
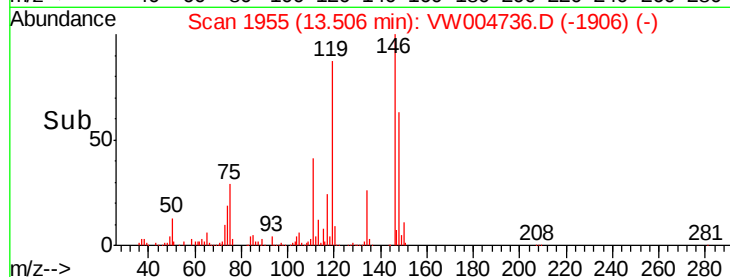
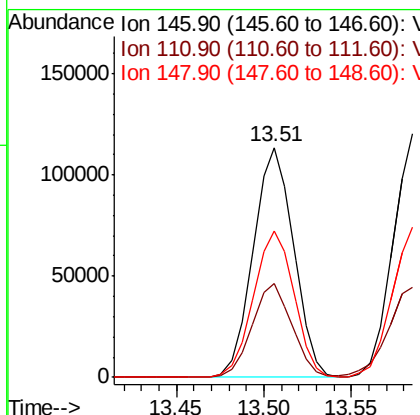
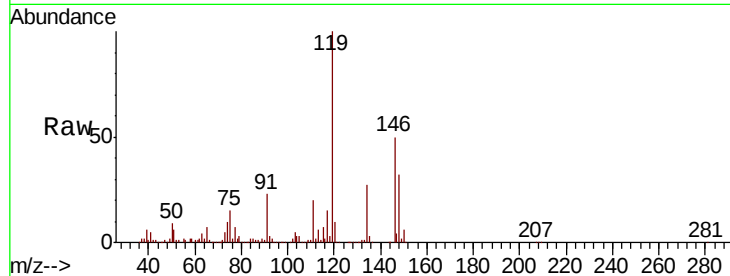




#87
 1,3-Dichlorobenzene
 Concen: 10.118 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

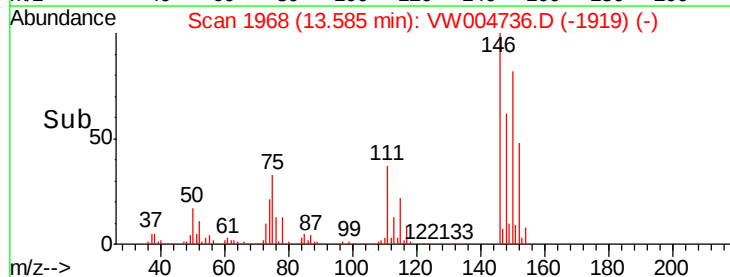
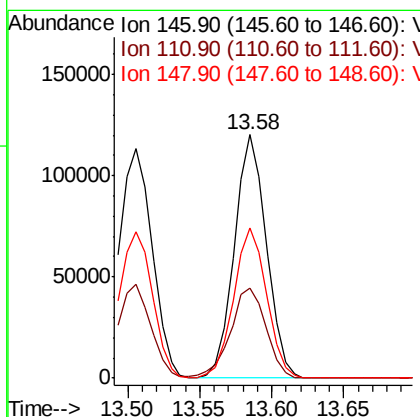
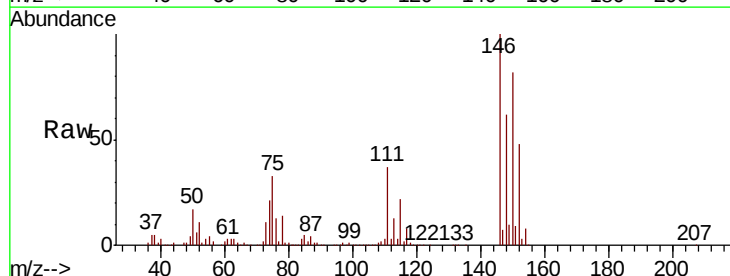
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

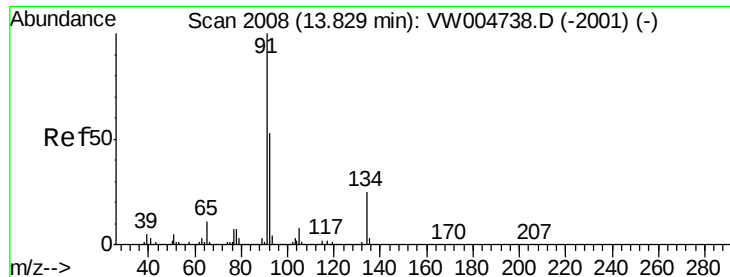
Tgt Ion:146 Resp: 182843
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.8 59.4
 148 63.6 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 10.311 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion:146 Resp: 186243
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.3 57.8
 148 63.5 31.8 95.3





#89

n-Butylbenzene

Concen: 9.543 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

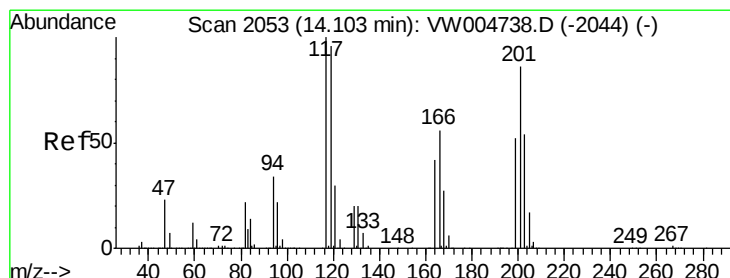
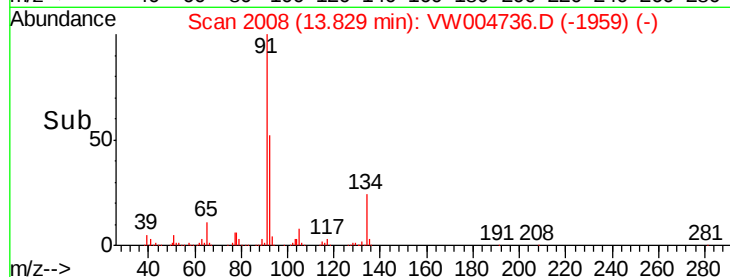
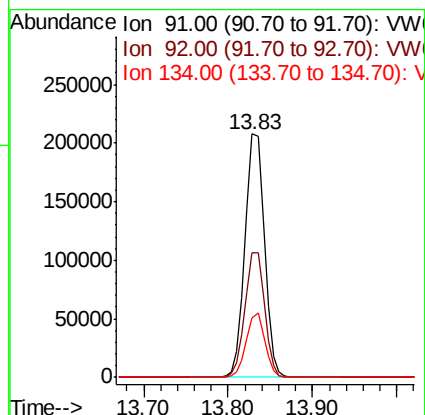
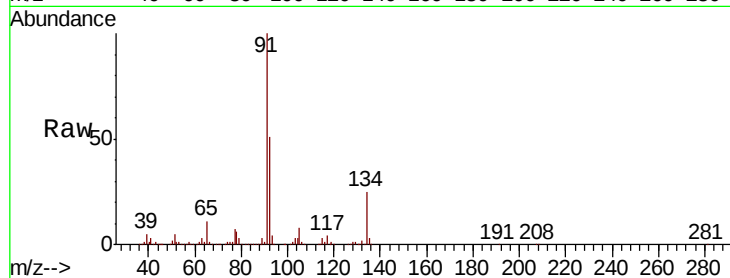
Tgt Ion: 91 Resp: 319679

Ion Ratio Lower Upper

91 100

92 51.7 26.4 79.2

134 25.4 12.8 38.3



#90

Hexachloroethane

Concen: 9.741 ug/l

RT: 14.10 min Scan# 2052

Delta R.T. -0.01 min

Lab File: VW004736.D

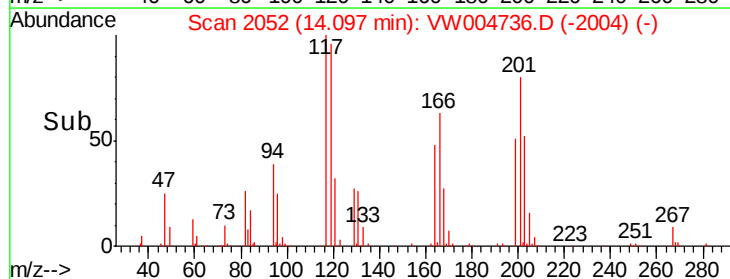
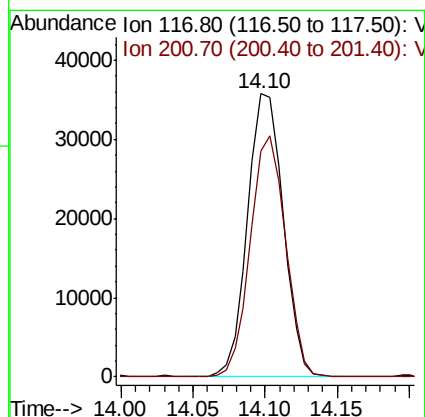
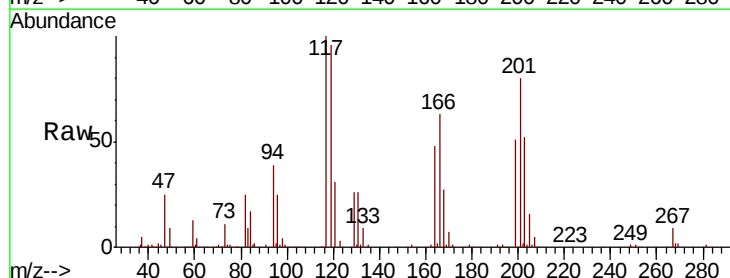
Acq: 17 Aug 2018 16:20

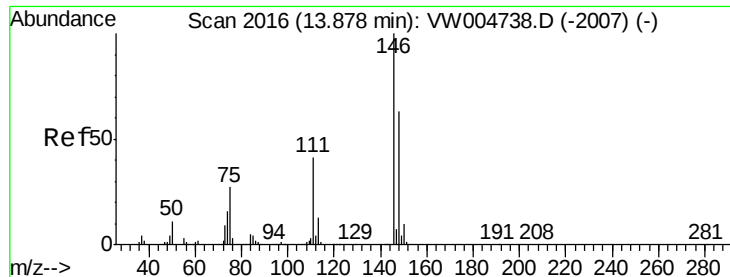
Tgt Ion: 117 Resp: 61514

Ion Ratio Lower Upper

117 100

201 83.7 42.4 127.2

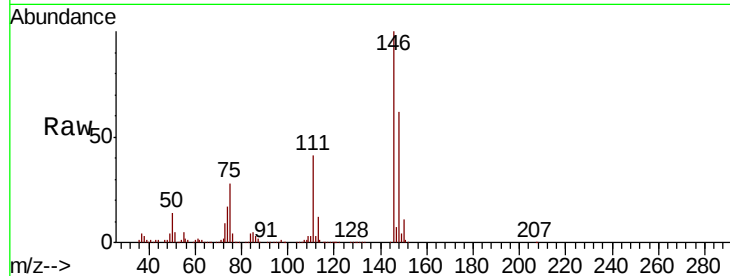




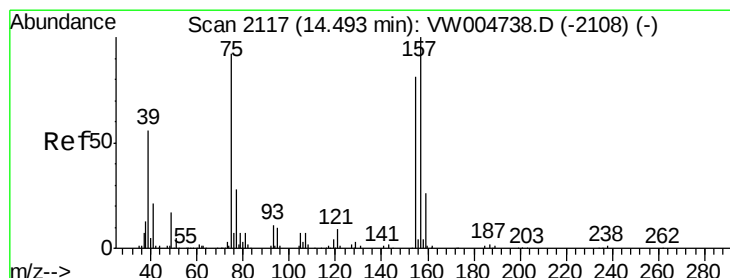
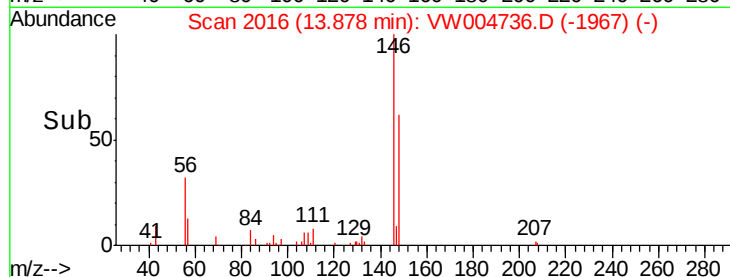
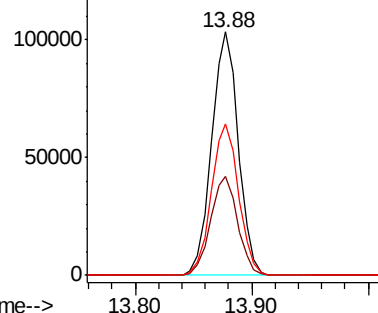
#91
 1,2-Dichlorobenzene
 Concen: 10.124 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.4	61.3
148	63.8	31.6	95.0

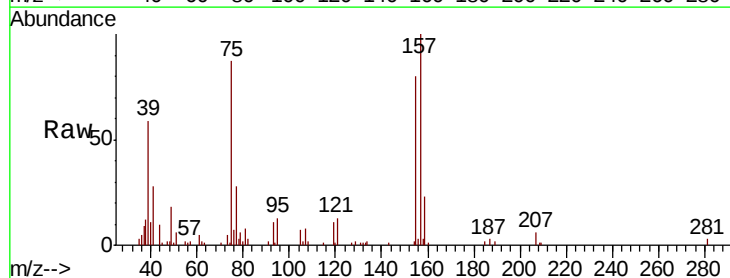


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

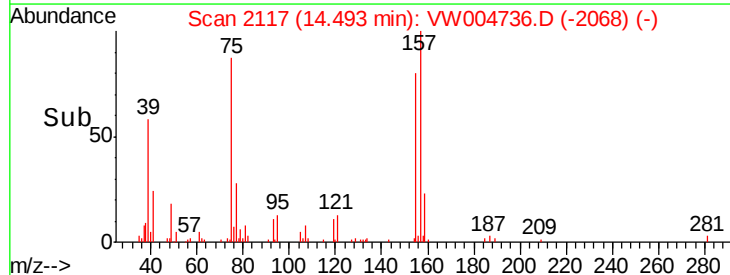
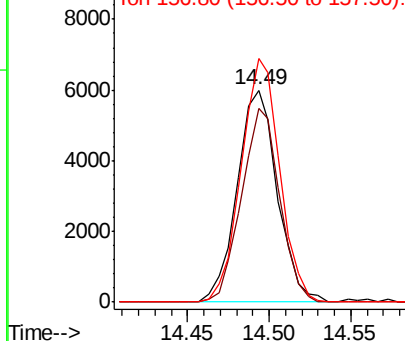


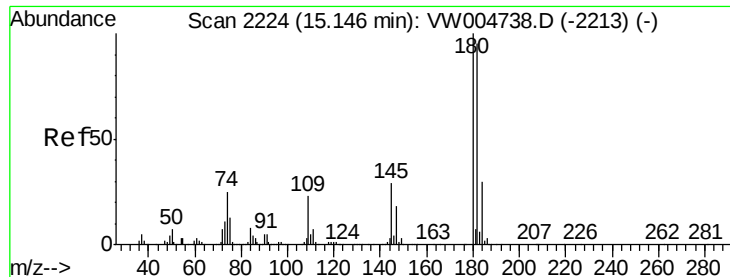
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.674 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	43.3	129.9
157	110.2	54.5	163.6



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

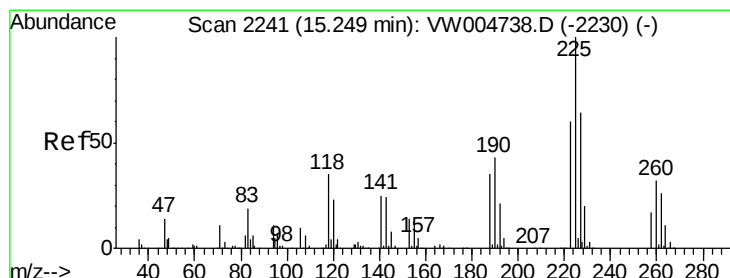
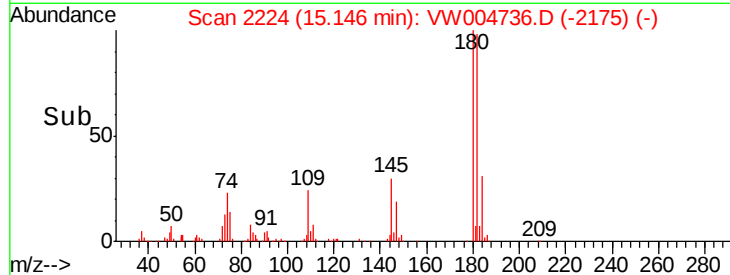
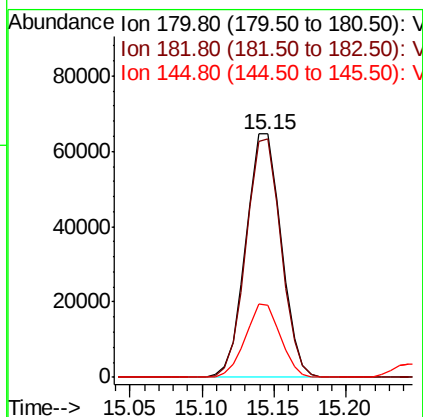
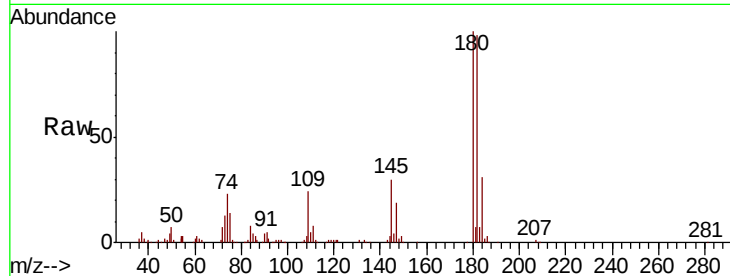




#93
 1,2,4-Trichlorobenzene
 Concen: 9.548 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

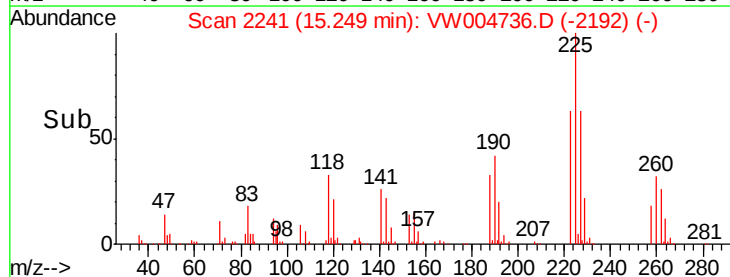
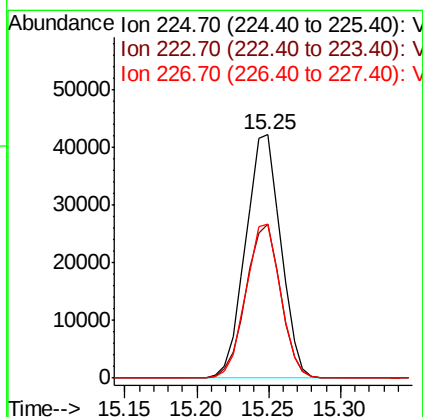
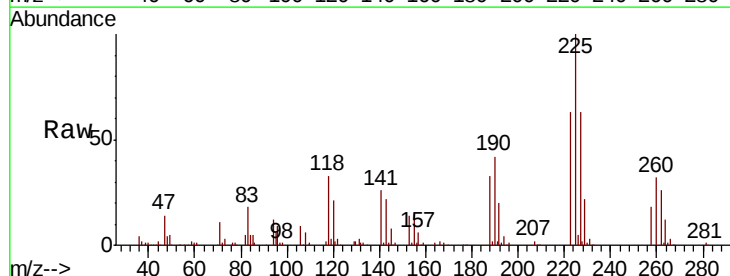
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

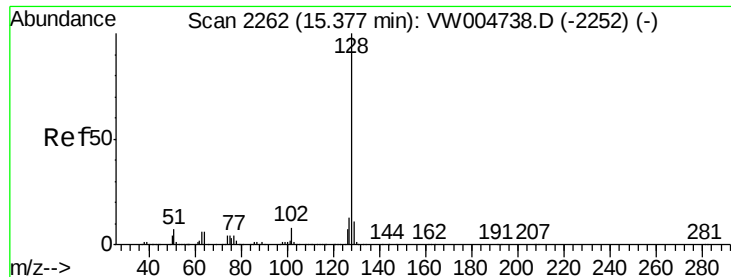
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.3	141.8
145	29.9	14.6	43.8



#94
 Hexachlorobutadiene
 Concen: 10.150 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.9	92.5
227	62.2	32.0	96.0

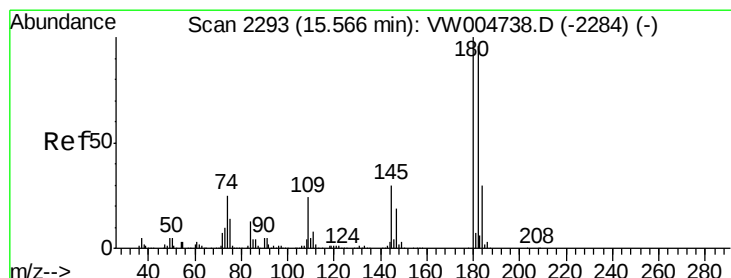
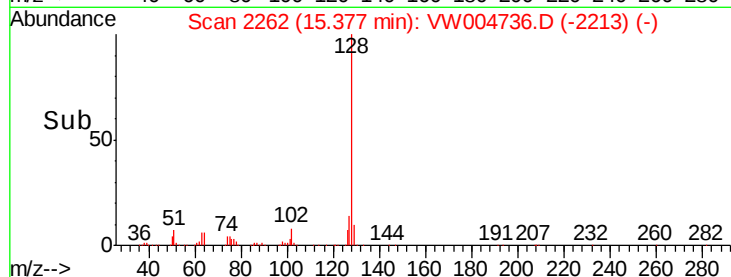
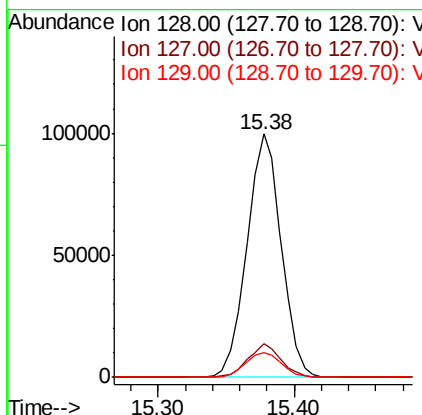
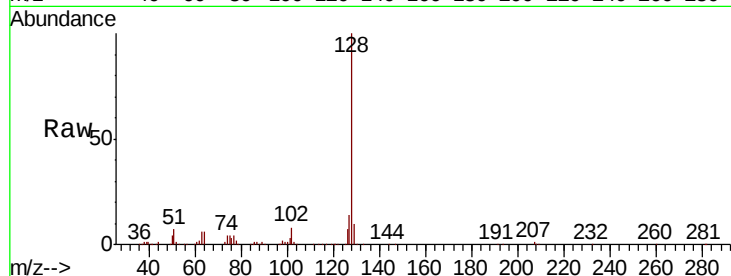




#95
Naphthalene
Concen: 8.850 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 175690
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 9.661 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion:180 Resp: 98346
Ion Ratio Lower Upper
180 100
182 95.2 47.3 142.0
145 30.5 15.4 46.1

