

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
 Data File : VW007198.D
 Acq On : 04 Dec 2018 19:54
 Operator : SY/AP
 Sample : J6206-06MSD
 Misc : 5.31G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

Quant Time: Dec 05 05:07:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 14:18:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	17350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	30476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	28387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	14163	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	11431	70.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.52%	
35) Dibromofluoromethane	7.89	113	9700	55.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.18%	
50) Toluene-d8	10.33	98	35597	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
62) 4-Bromofluorobenzene	12.62	95	14774	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	7559	39.821	ug/l	93
3) Chloromethane	2.21	50	10171	42.311	ug/l	98
4) Vinyl Chloride	2.36	62	6372	42.336	ug/l	100
5) Bromomethane	2.78	94	3828	50.755	ug/l	96
6) Chloroethane	2.93	64	3972	47.034	ug/l	92
7) Trichlorofluoromethane	3.26	101	14494	49.393	ug/l	100
8) Diethyl Ether	3.70	74	5971	73.000	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	8722	49.204	ug/l	99
10) Methyl Iodide	4.28	142	3588	23.761	ug/l	99
11) Tert butyl alcohol	5.17	59	4643	305.314	ug/l	96
12) 1,1-Dichloroethene	4.04	96	7954	47.881	ug/l	94
13) Acrolein	3.90	56	3208	283.425	ug/l	94
14) Allyl chloride	4.68	41	13470	50.586	ug/l	99
15) Acrylonitrile	5.38	53	13017	380.679	ug/l	99
16) Acetone	4.13	43	11703	306.033	ug/l	94
17) Carbon Disulfide	4.39	76	24827	45.339	ug/l	97
18) Methyl Acetate	4.68	43	10542	120.772	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	28882	73.844	ug/l	96
20) Methylene Chloride	4.92	84	12641	67.462	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	9232	49.771	ug/l	97
22) Diisopropyl ether	6.32	45	30472	63.748	ug/l	95
23) Vinyl Acetate	6.26	43	69818	267.682	ug/l	98
24) 1,1-Dichloroethane	6.22	63	16696	54.495	ug/l	96
25) 2-Butanone	7.18	43	16457	371.246	ug/l	98
26) 2,2-Dichloropropane	7.18	77	14478	49.174	ug/l	97
27) cis-1,2-Dichloroethene	7.18	96	10949	55.063	ug/l	99
28) Bromochloromethane	7.52	49	7465	67.573	ug/l #	100
29) Tetrahydrofuran	7.53	42	11222	409.660	ug/l	100
30) Chloroform	7.68	83	17710	55.620	ug/l	97
31) Cyclohexane	7.96	56	15155	47.277	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	15634	52.175	ug/l	100
36) 1,1-Dichloropropene	8.09	75	13234	44.629	ug/l	99
37) Ethyl Acetate	7.26	43	6348	59.180	ug/l #	94
38) Carbon Tetrachloride	8.07	117	12843	42.433	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
 Data File : VW007198.D
 Acq On : 04 Dec 2018 19:54
 Operator : SY/AP
 Sample : J6206-06MSD
 Misc : 5.31G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

Quant Time: Dec 05 05:07:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 14:18:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	16964	42.734	ug/l	98
40) Benzene	8.33	78	38297	47.098	ug/l	99
41) Methacrylonitrile	7.49	41	4620	71.908	ug/l	99
42) 1,2-Dichloroethane	8.41	62	13858	60.980	ug/l	99
43) Isopropyl Acetate	8.43	43	14176	68.046	ug/l	99
44) Trichloroethene	9.10	130	11034	48.275	ug/l	99
45) 1,2-Dichloropropane	9.37	63	10342	54.655	ug/l	99
46) Dibromomethane	9.46	93	6181	62.862	ug/l	97
47) Bromodichloromethane	9.65	83	13709	53.004	ug/l #	86
48) Methyl methacrylate	9.44	41	7435	68.763	ug/l	93
49) 1,4-Dioxane	9.45	88	2179	1268.586	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	37972	369.862	ug/l	99
52) Toluene	10.39	92	25721	45.473	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	16139	62.065	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	16876	55.378	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	9355	66.887	ug/l	97
56) Ethyl methacrylate	10.65	69	10515	57.635	ug/l	95
57) 1,3-Dichloropropane	10.93	76	15492	65.609	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	17169	234.294	ug/l	100
59) 2-Hexanone	10.97	43	24385	327.650	ug/l	98
60) Dibromochloromethane	11.13	129	10872	63.247	ug/l	97
61) 1,2-Dibromoethane	11.24	107	9302	69.342	ug/l	100
64) Tetrachloroethene	10.87	164	9428	45.458	ug/l	94
65) Chlorobenzene	11.66	112	29214	46.080	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	10170	51.941	ug/l	98
67) Ethyl Benzene	11.73	91	49016	42.420	ug/l	99
68) m/p-Xylenes	11.85	106	38466	84.856	ug/l	96
69) o-Xylene	12.17	106	18146	42.845	ug/l	92
70) Styrene	12.18	104	30038	43.327	ug/l	98
71) Bromoform	12.35	173	6514	66.459	ug/l #	99
73) Isopropylbenzene	12.47	105	48511	42.113	ug/l	100
74) N-amyl acetate	12.28	43	10509	51.456	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	10585	70.754	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	13803	64.852	ug/l #	100
77) Bromobenzene	12.75	156	11981	48.185	ug/l	95
78) n-propylbenzene	12.81	91	54780	39.916	ug/l	99
79) 2-Chlorotoluene	12.90	91	33078	42.682	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	40947	41.552	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	2879	56.584	ug/l	86
82) 4-Chlorotoluene	12.99	91	36136	43.830	ug/l	96
83) tert-Butylbenzene	13.21	119	37416	43.448	ug/l	94
84) 1,2,4-Trimethylbenzene	13.26	105	42048	41.800	ug/l	95
85) sec-Butylbenzene	13.39	105	48587	39.520	ug/l	99
86) p-Isopropyltoluene	13.51	119	43469	39.718	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	23215	45.481	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	23568	45.710	ug/l	100
89) n-Butylbenzene	13.83	91	40953	40.044	ug/l	97
90) Hexachloroethane	14.10	117	7100	42.572	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	21973	49.725	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1832	63.214	ug/l	98

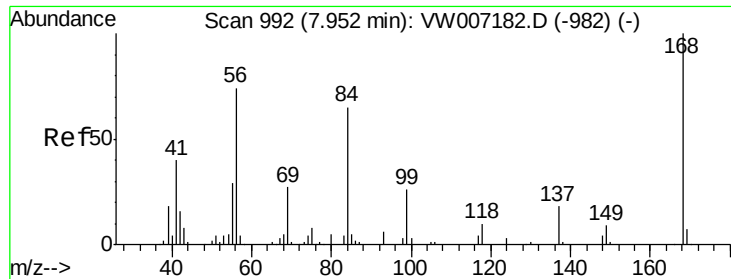
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
Data File : VW007198.D
Acq On : 04 Dec 2018 19:54
Operator : SY/AP
Sample : J6206-06MSD
Misc : 5.31G/5ML/MSVOA W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

Quant Time: Dec 05 05:07:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 04 14:18:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	13516	44.137	ug/l	97
94) Hexachlorobutadiene	15.24	225	6511	39.428	ug/l	97
95) Naphthalene	15.38	128	28250	51.473	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	11773	45.593	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

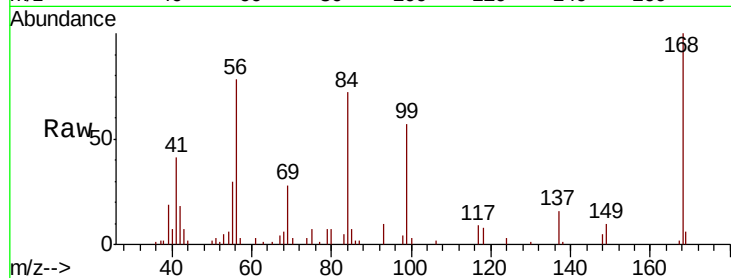
HLSP-SB-5B-(8.5)MSD

Tot Ion:168 Resp: 17350

Ion Ratio Lower Upper

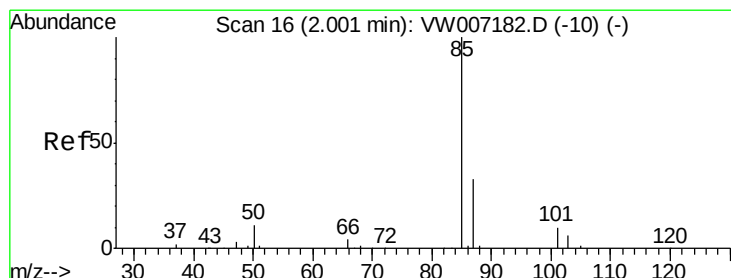
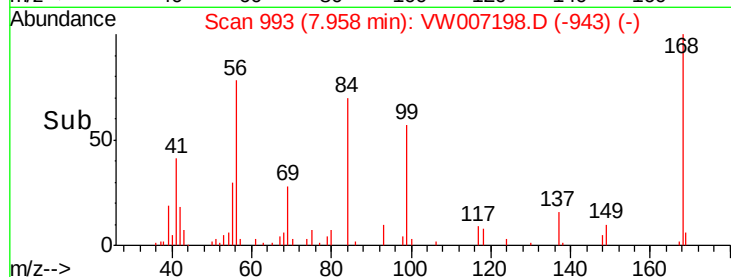
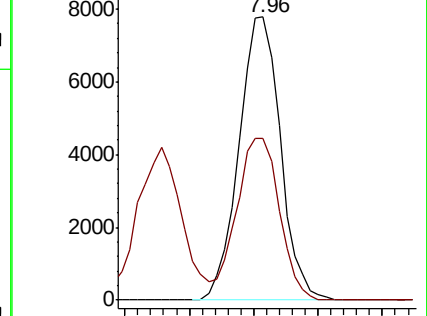
168 100

99 57.0 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 39.821 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW007198.D

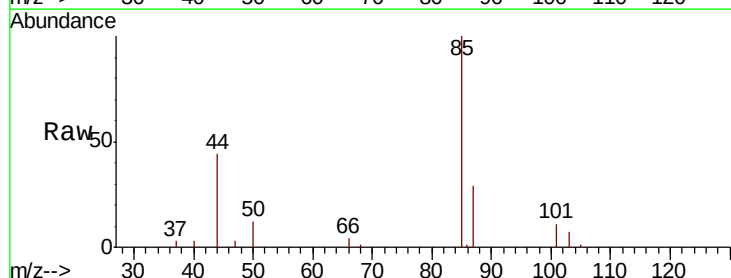
Acq: 04 Dec 2018 19:54

Tgt Ion: 85 Resp: 7559

Ion Ratio Lower Upper

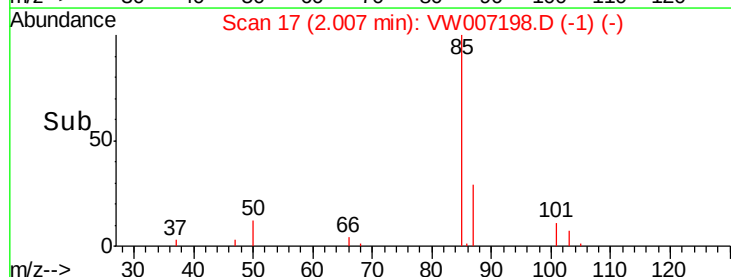
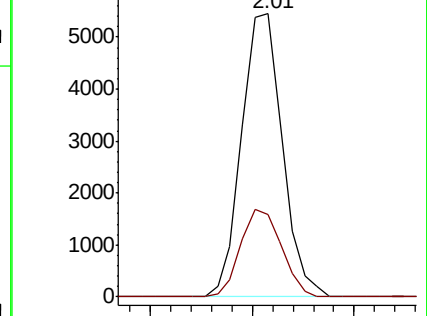
85 100

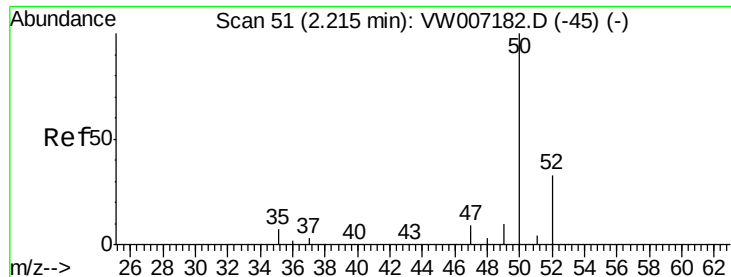
87 29.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 42.311 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

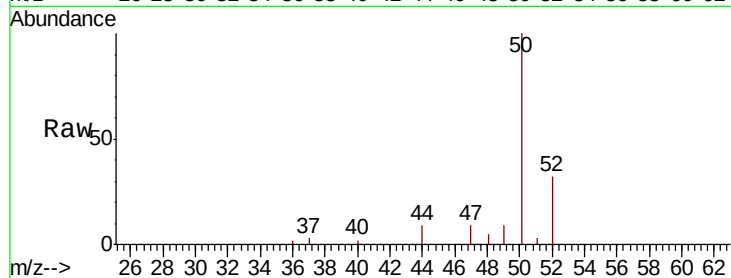
HLSP-SB-5B-(8.5)MSD

Tot Ion: 50 Resp: 10171

Ion Ratio Lower Upper

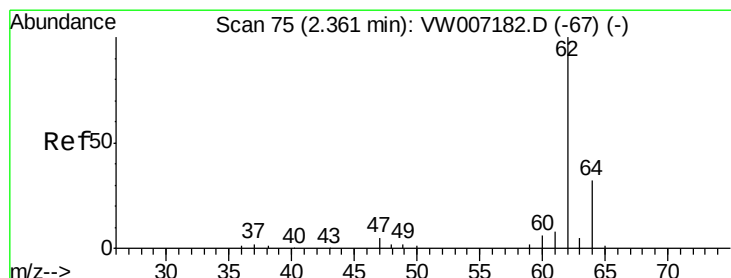
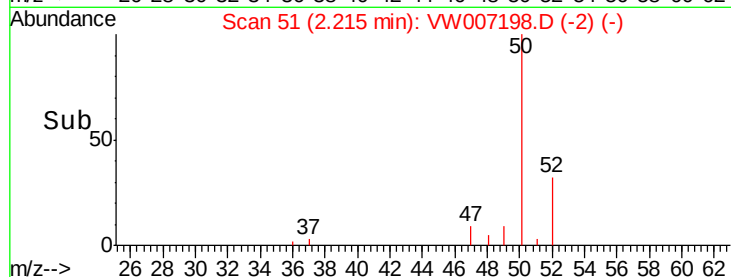
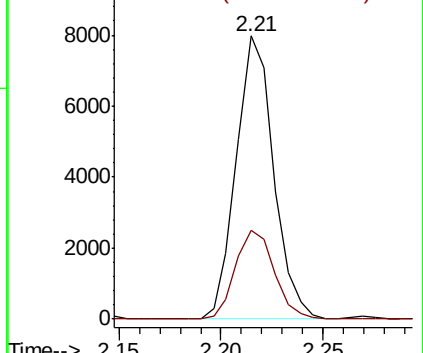
50 100

52 31.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 42.336 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW007198.D

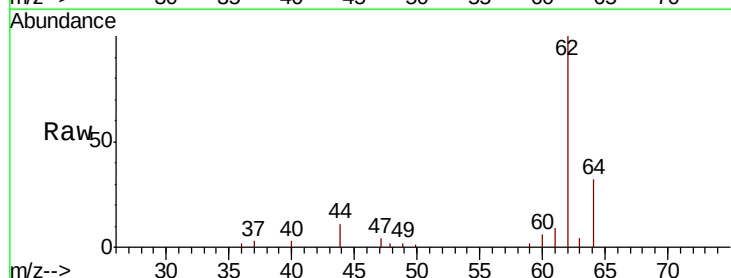
Acq: 04 Dec 2018 19:54

Tgt Ion: 62 Resp: 6372

Ion Ratio Lower Upper

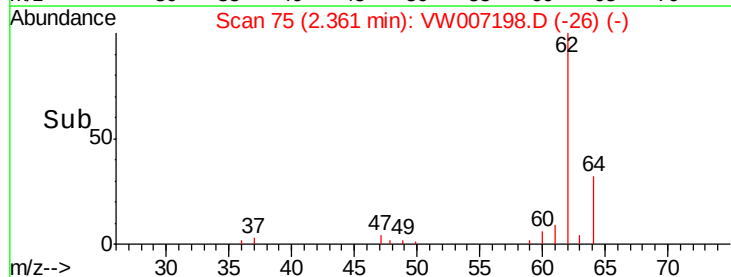
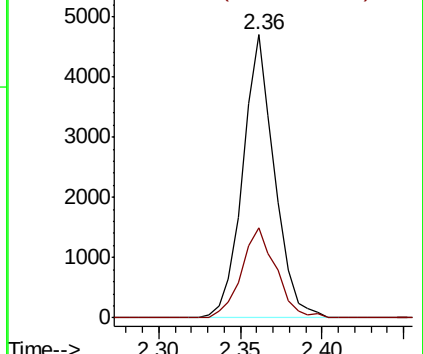
62 100

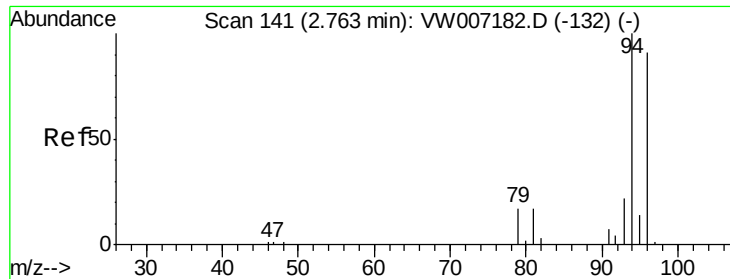
64 31.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 50.755 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.02 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

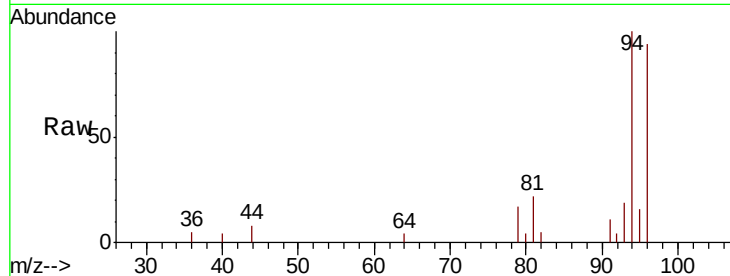
HLSP-SB-5B-(8.5)MSD

Tot Ion: 94 Resp: 3828

Ion Ratio Lower Upper

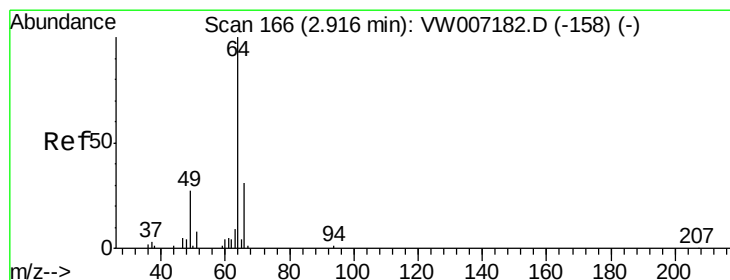
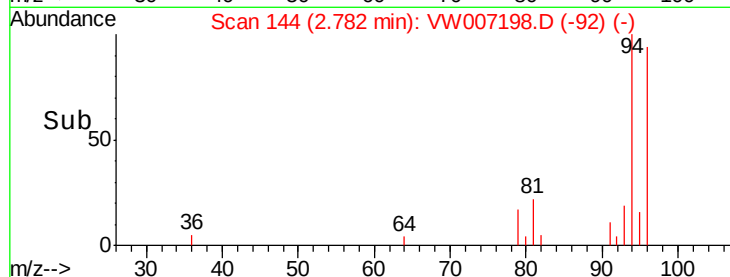
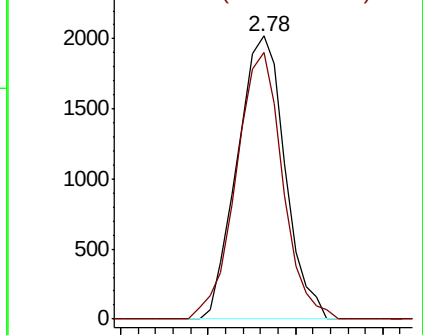
94 100

96 94.4 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 47.034 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007198.D

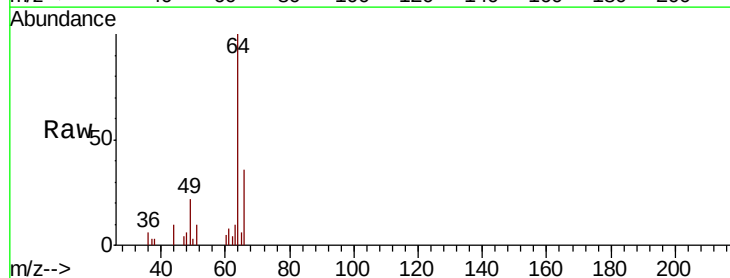
Acq: 04 Dec 2018 19:54

Tgt Ion: 64 Resp: 3972

Ion Ratio Lower Upper

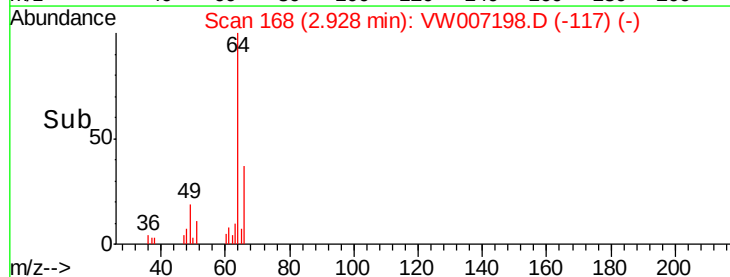
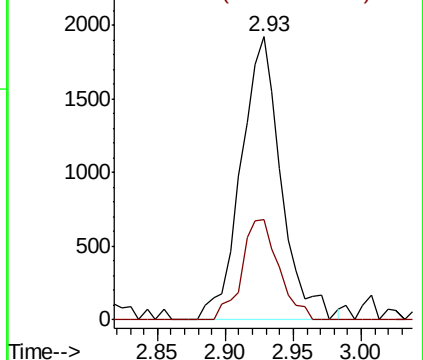
64 100

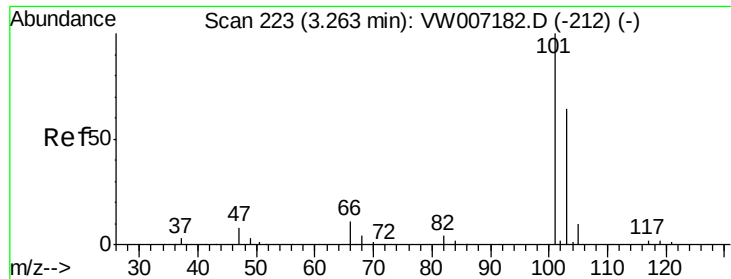
66 35.6 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



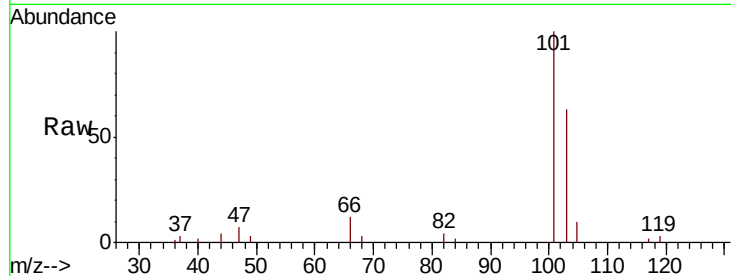


#7

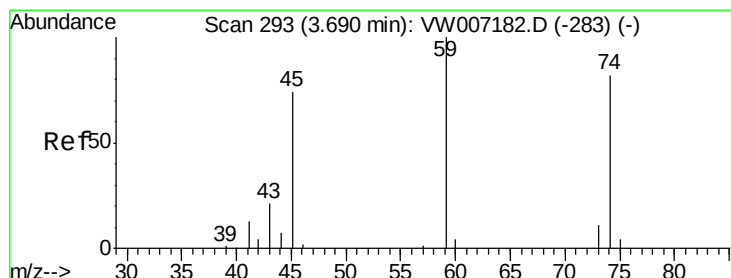
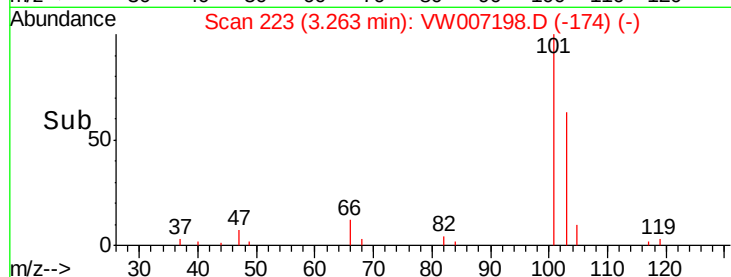
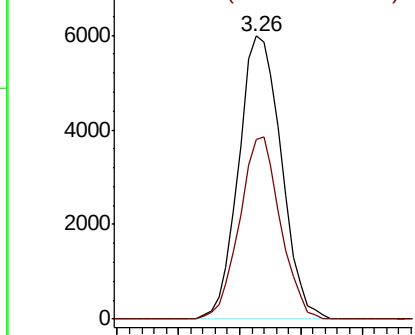
Trichlorofluoromethane
Concen: 49.393 ug/l
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

Tot Ion:101 Resp: 14494
Ion Ratio Lower Upper
101 100
103 63.3 50.9 76.3



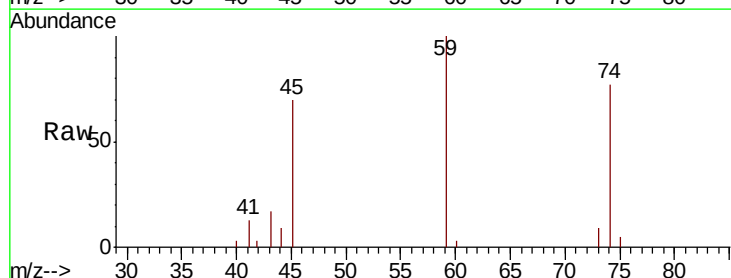
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



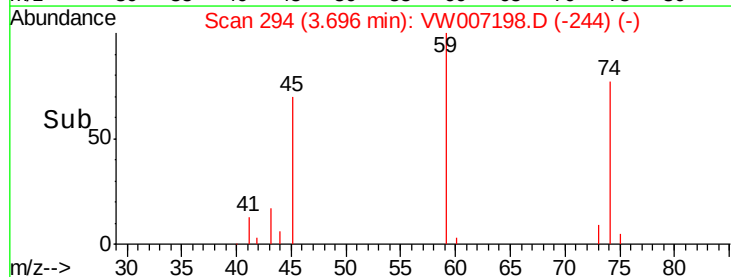
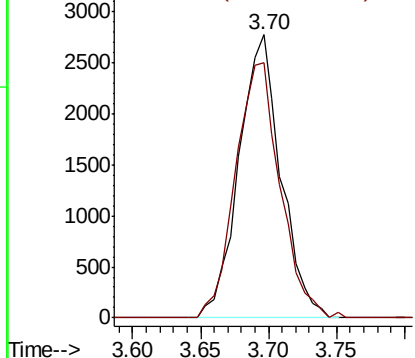
#8

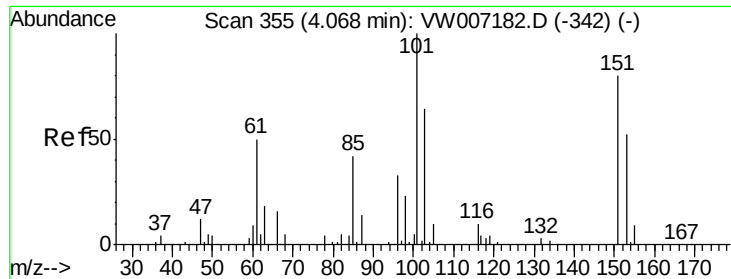
Diethyl Ether
Concen: 73.000 ug/l
RT: 3.70 min Scan# 294
Delta R.T. 0.01 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion: 74 Resp: 5971
Ion Ratio Lower Upper
74 100
45 96.4 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.204 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

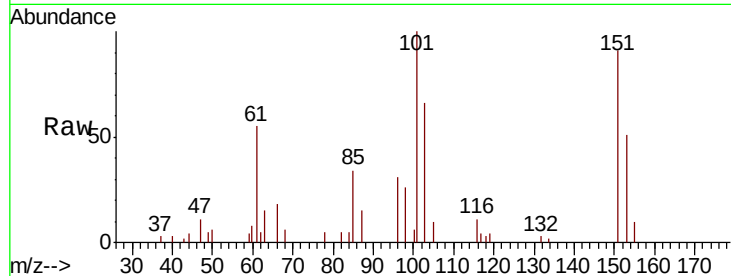
Tot Ion:101 Resp: 8722

Ion Ratio Lower Upper

101 100

85 42.5 33.4 50.2

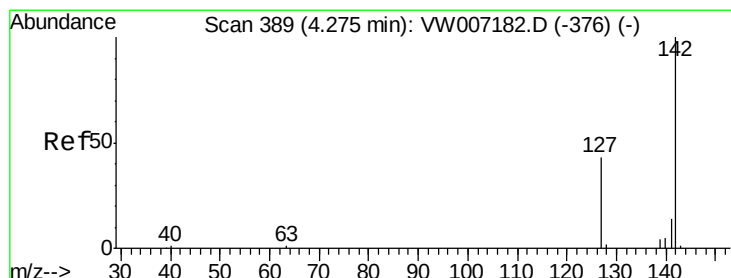
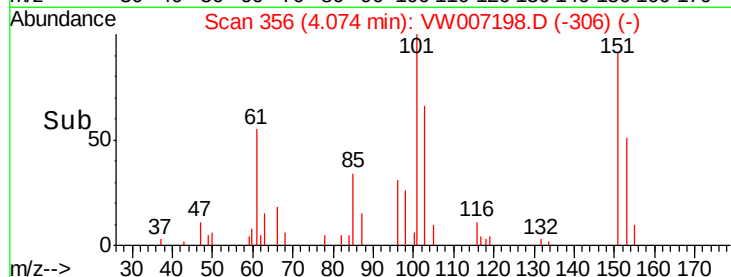
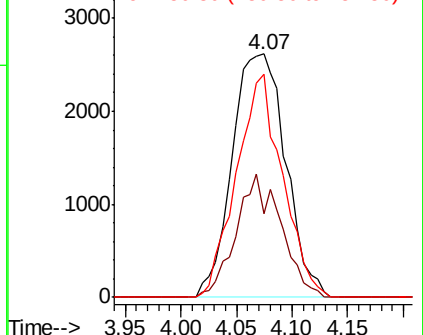
151 79.1 63.9 95.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.761 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

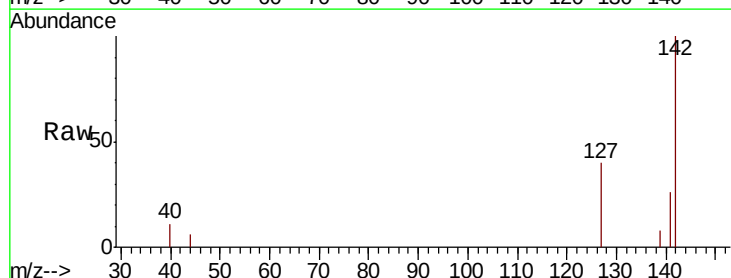
Tgt Ion:142 Resp: 3588

Ion Ratio Lower Upper

142 100

127 43.5 34.9 52.3

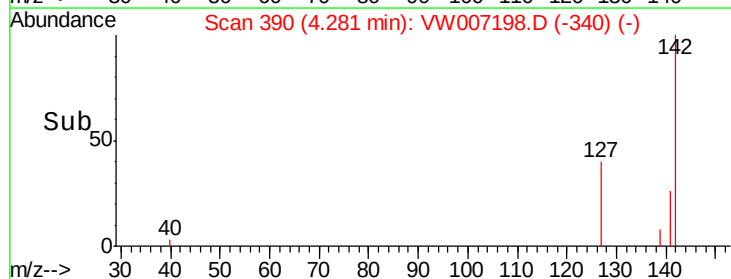
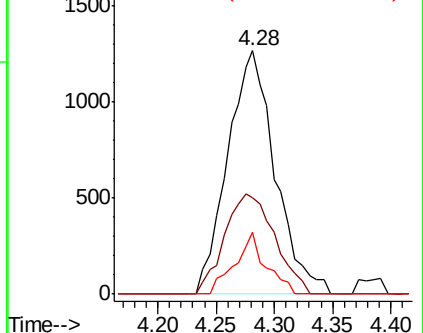
141 16.5 11.7 17.5

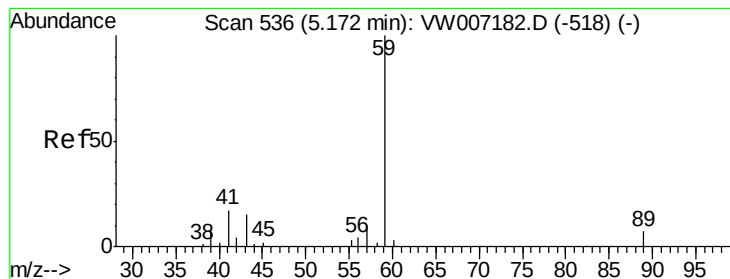


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



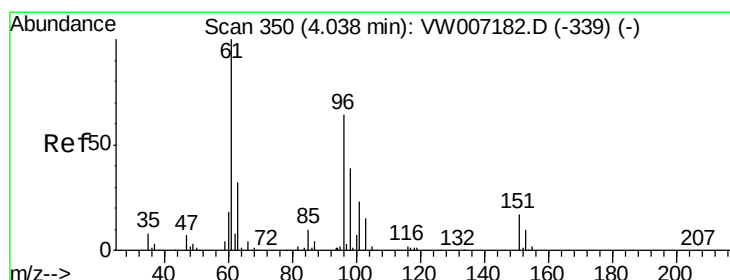
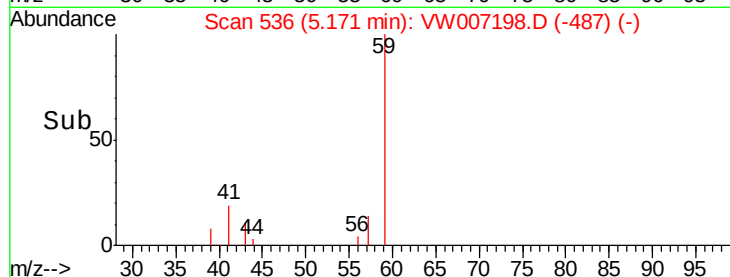
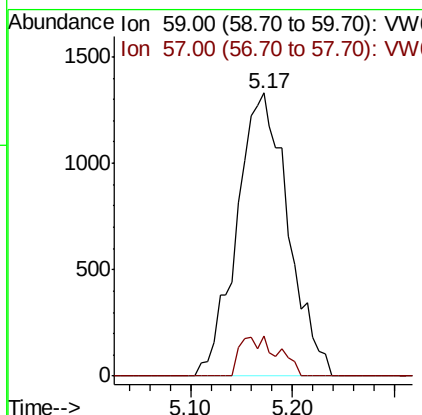
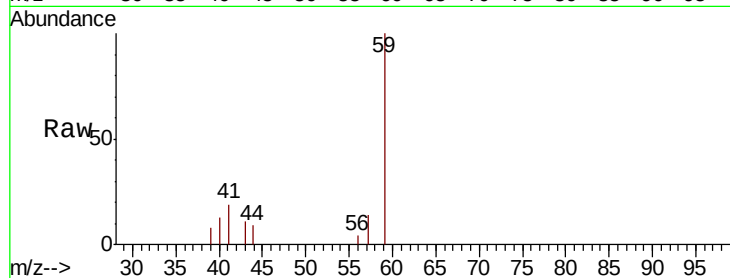


#11

Tert butyl alcohol
 Concen: 305.314 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

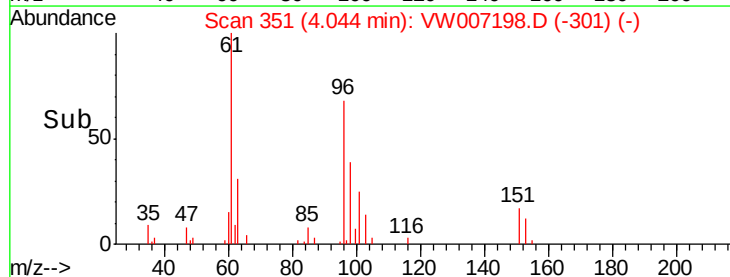
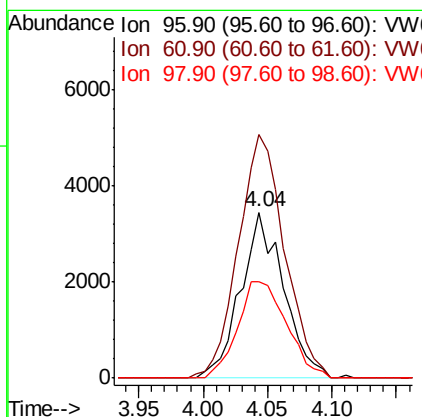
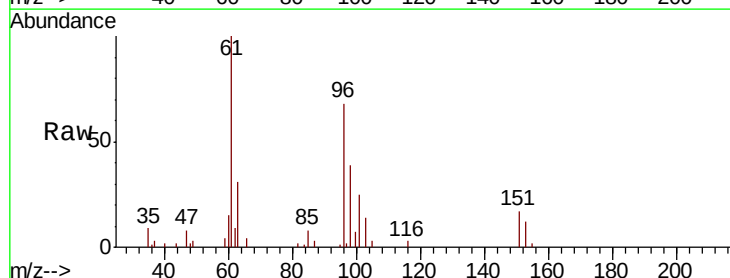
Tot Ion: 59 Resp: 4643
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.1 10.7

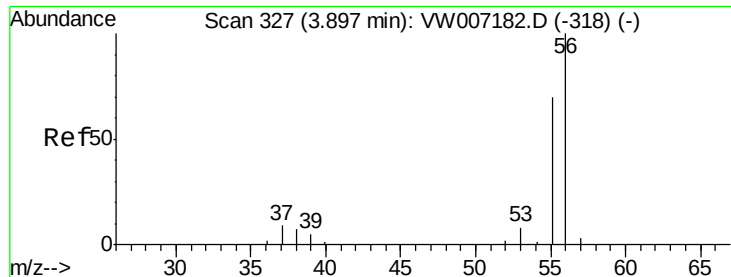


#12

1,1-Dichloroethene
 Concen: 47.881 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

Tgt Ion: 96 Resp: 7954
 Ion Ratio Lower Upper
 96 100
 61 146.9 124.1 186.1
 98 57.8 48.6 72.8





#13

Acrolein

Concen: 283.425 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

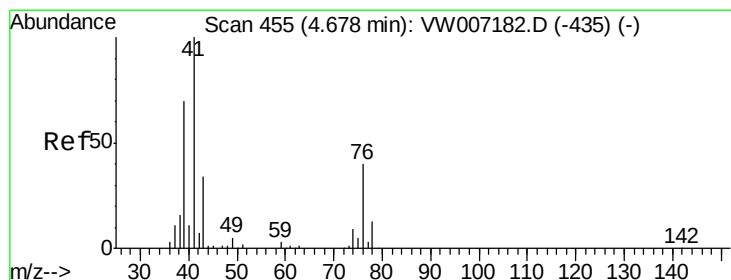
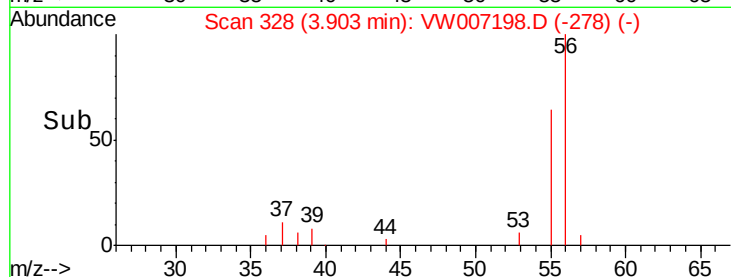
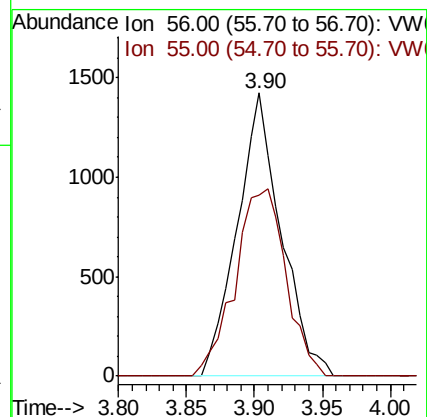
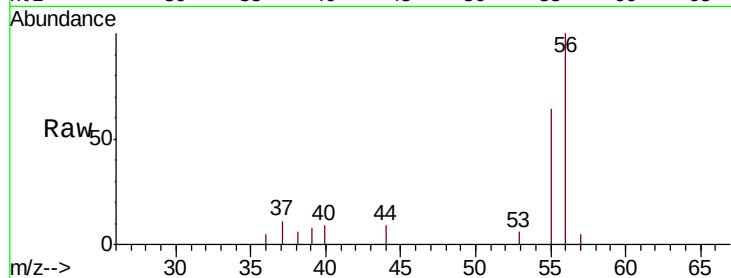
HLSP-SB-5B-(8.5)MSD

Tot Ion: 56 Resp: 3208

Ion Ratio Lower Upper

56 100

55 76.4 56.9 85.3



#14

Allyl chloride

Concen: 50.586 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

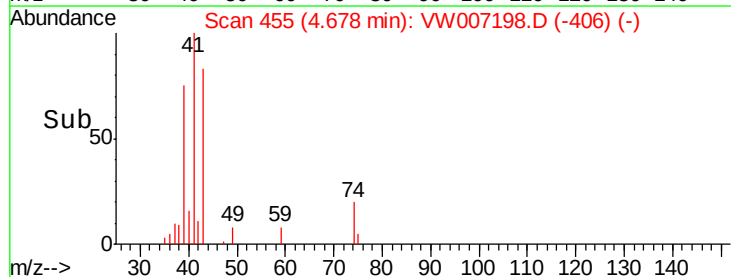
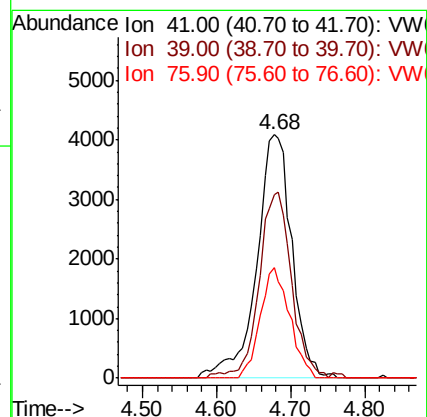
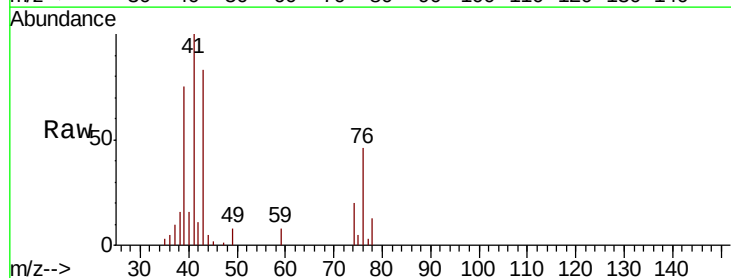
Tgt Ion: 41 Resp: 13470

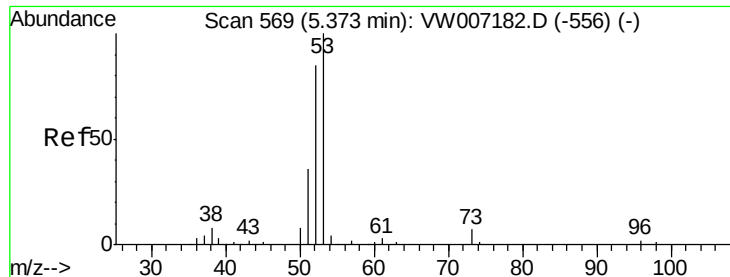
Ion Ratio Lower Upper

41 100

39 70.6 55.9 83.9

76 37.9 30.8 46.2





#15

Acrylonitrile

Concen: 380.679 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

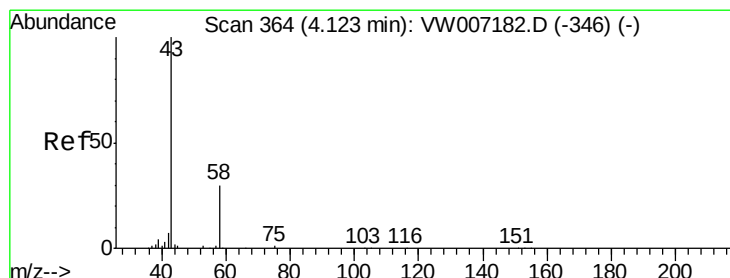
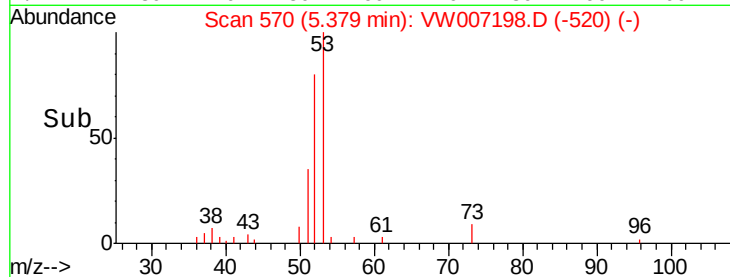
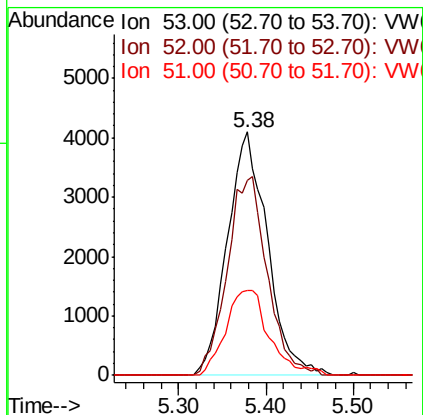
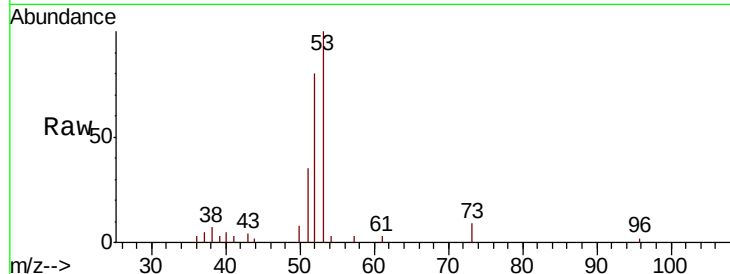
Tot Ion: 53 Resp: 13017

Ion Ratio Lower Upper

53 100

52 81.6 66.1 99.1

51 37.1 30.3 45.5



#16

Acetone

Concen: 306.033 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007198.D

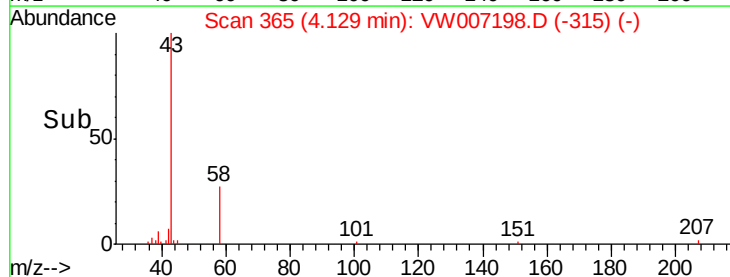
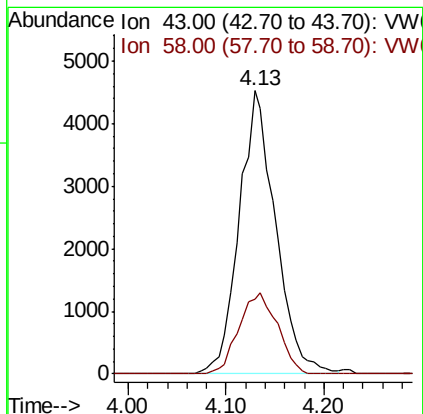
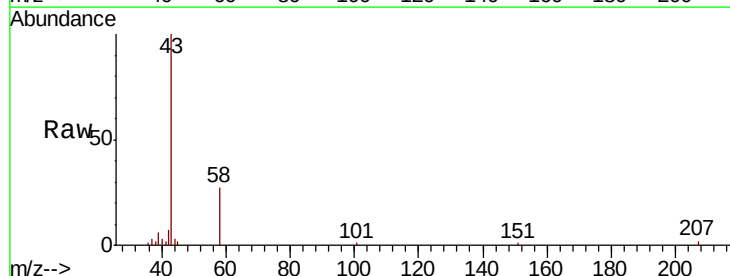
Acq: 04 Dec 2018 19:54

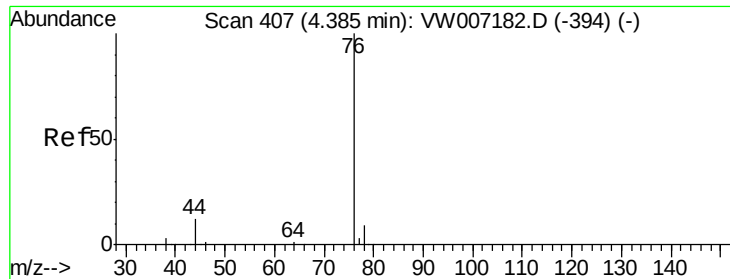
Tgt Ion: 43 Resp: 11703

Ion Ratio Lower Upper

43 100

58 26.5 23.8 35.8

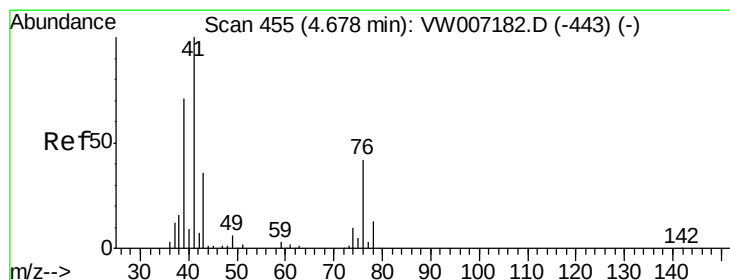
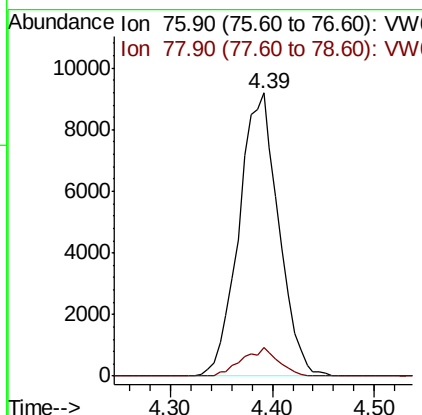
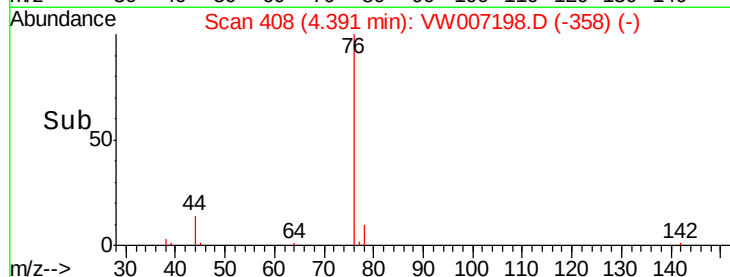
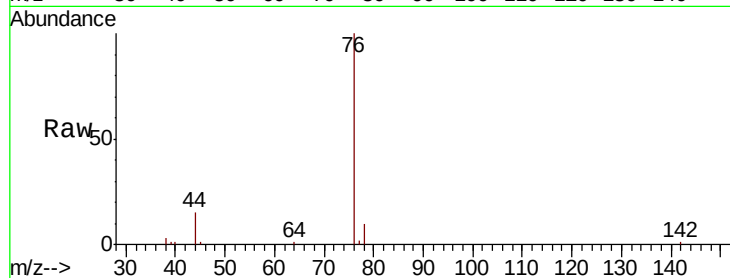




#17
Carbon Disulfide
Concen: 45.339 ug/l
RT: 4.39 min Scan# 408
Delta R.T. 0.01 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

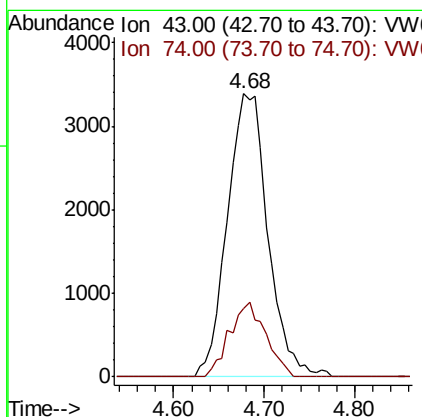
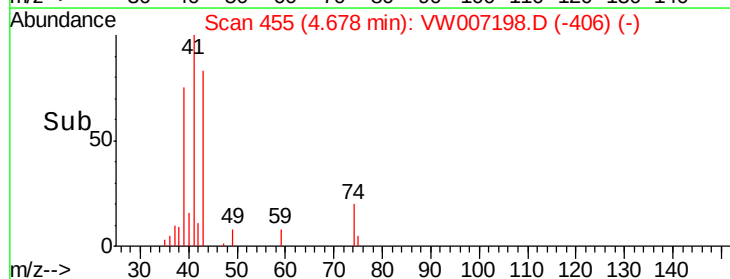
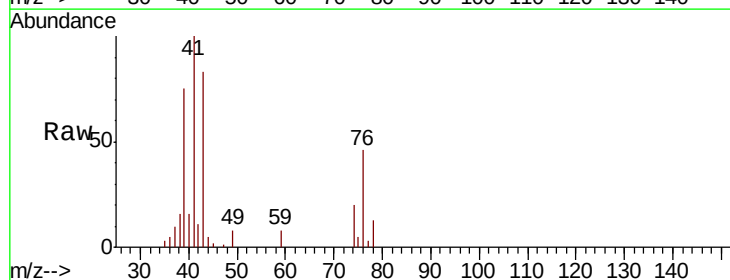
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

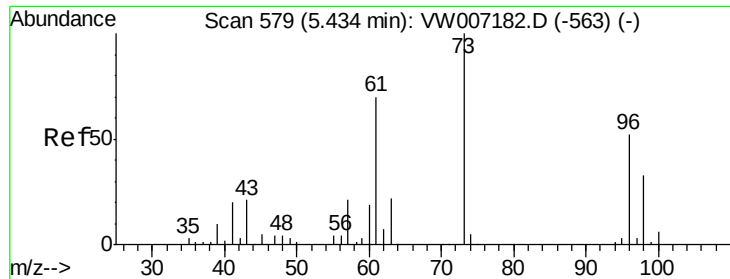
Tot Ion: 76 Resp: 24827
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8



#18
Methyl Acetate
Concen: 120.772 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion: 43 Resp: 10542
Ion Ratio Lower Upper
43 100
74 23.4 20.1 30.1

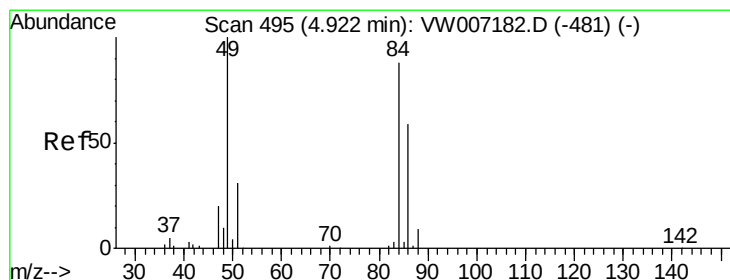
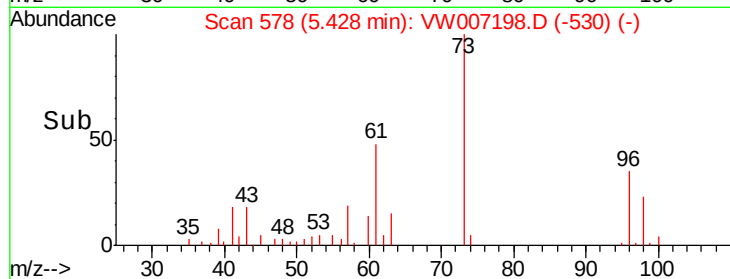
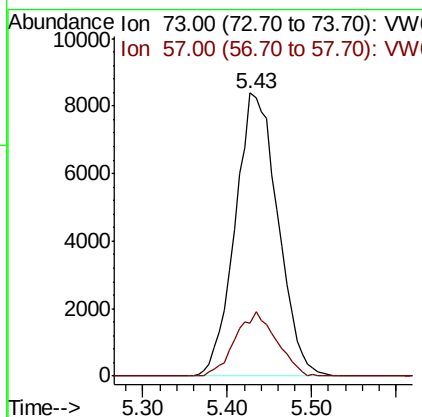
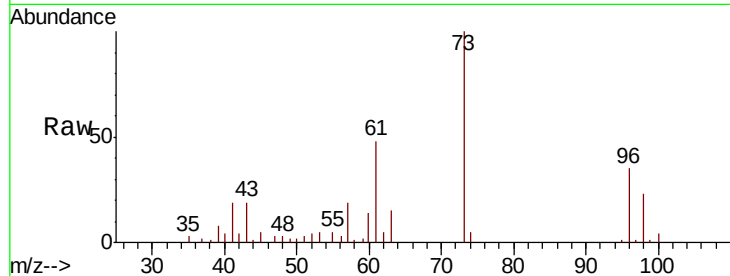




#19
Methyl tert-butyl Ether
Concen: 73.844 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

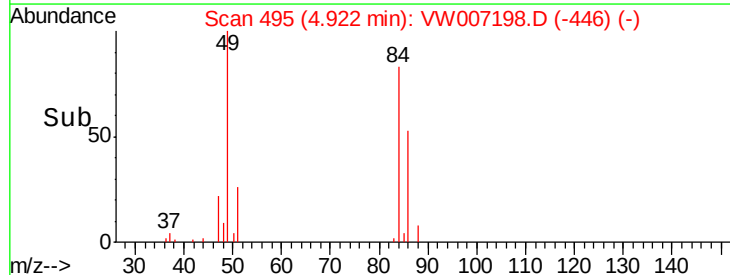
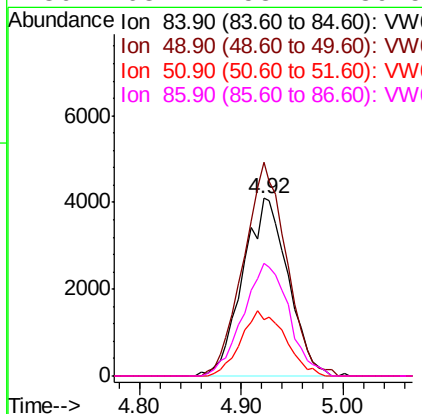
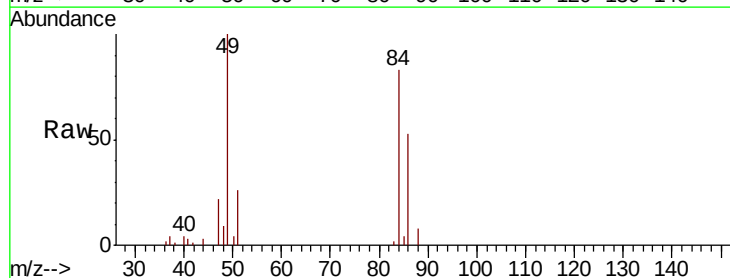
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

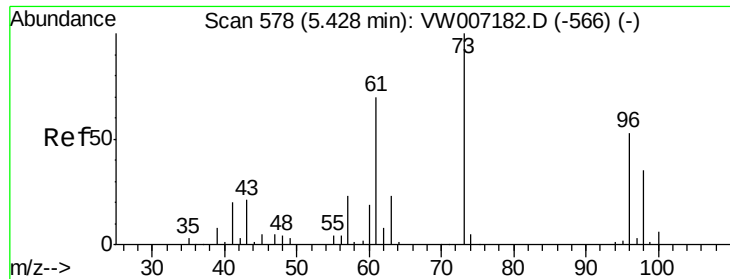
Tot Ion: 73 Resp: 28882
Ion Ratio Lower Upper
73 100
57 18.9 16.6 25.0



#20
Methylene Chloride
Concen: 67.462 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion: 84 Resp: 12641
Ion Ratio Lower Upper
84 100
49 120.3 90.6 135.8
51 31.7 27.6 41.4
86 63.7 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 49.771 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

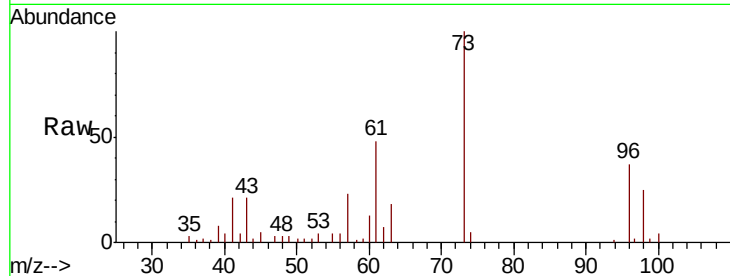
Tot Ion: 96 Resp: 9232

Ion Ratio Lower Upper

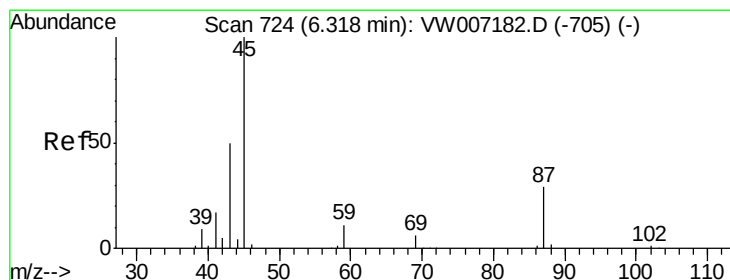
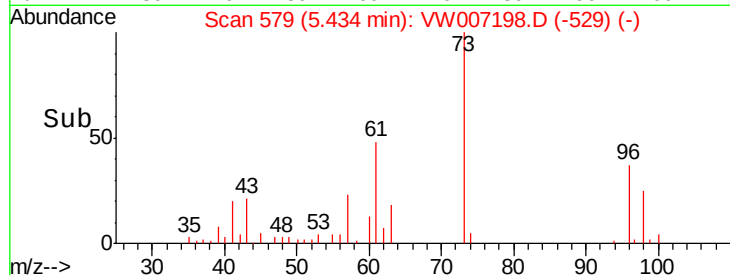
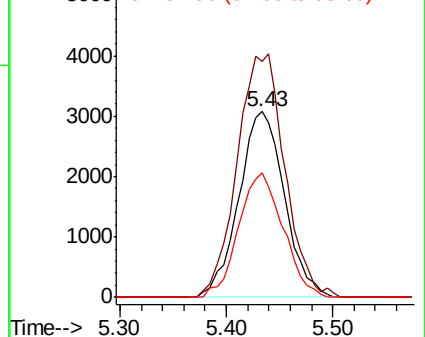
96 100

61 127.3 105.5 158.3

98 66.8 52.6 79.0



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 63.748 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Tgt Ion: 45 Resp: 30472

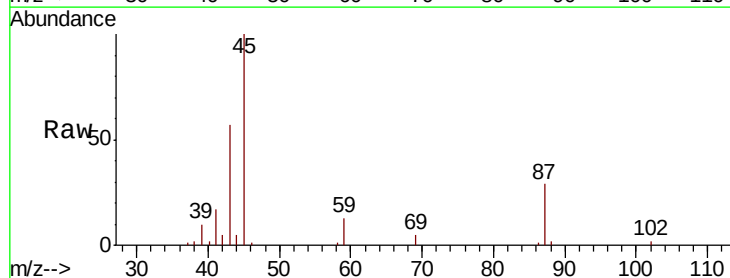
Ion Ratio Lower Upper

45 100

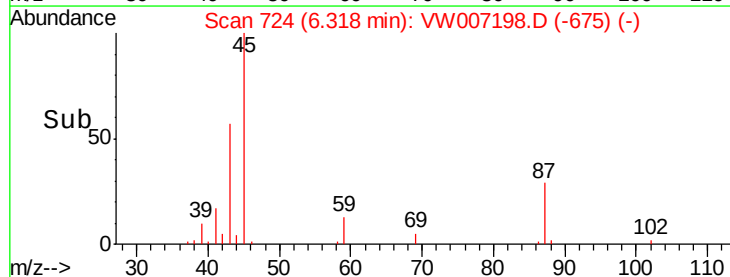
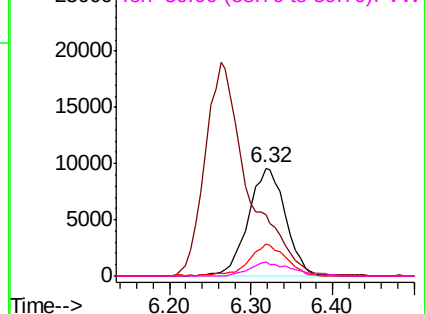
43 56.1 40.8 61.2

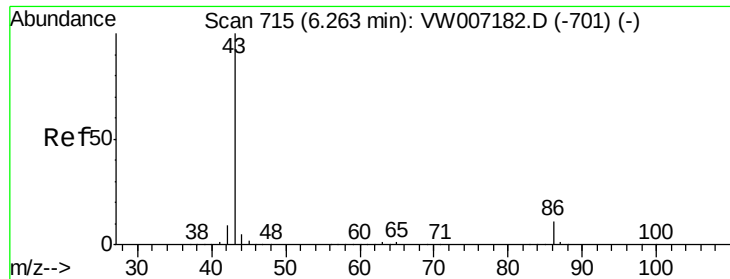
87 29.3 24.0 36.0

59 13.4 9.1 13.7



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: 267.682 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

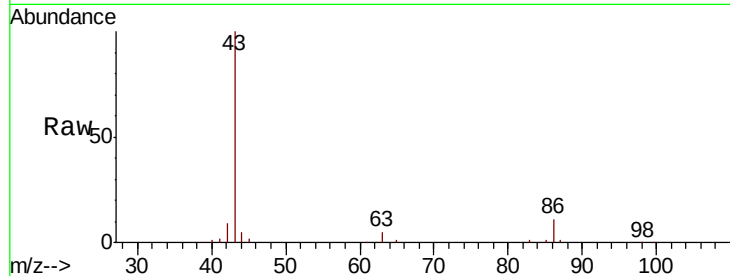
HLSP-SB-5B-(8.5)MSD

Tot Ion: 43 Resp: 69818

Ion Ratio Lower Upper

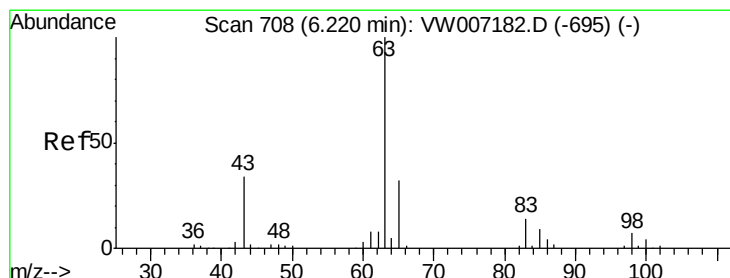
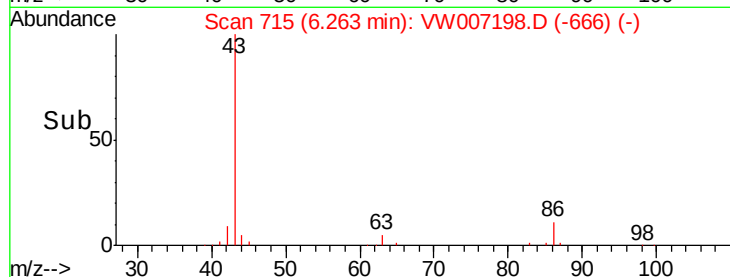
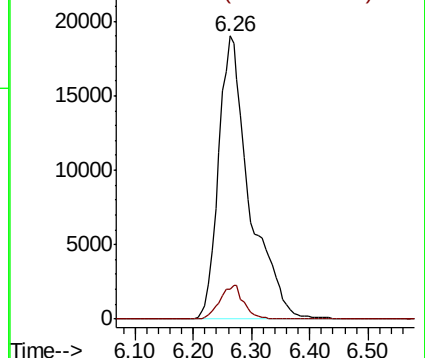
43 100

86 10.6 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 54.495 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

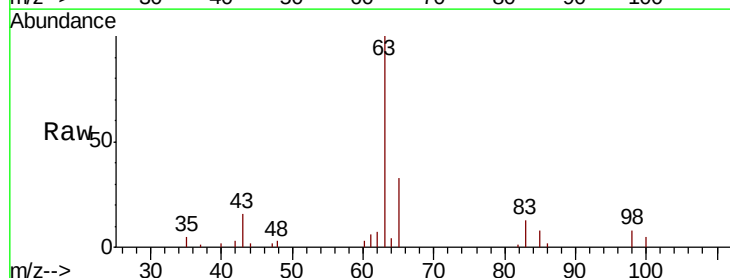
Tgt Ion: 63 Resp: 16696

Ion Ratio Lower Upper

63 100

98 8.1 3.5 10.5

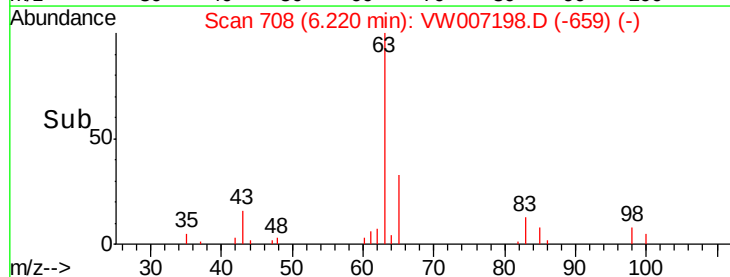
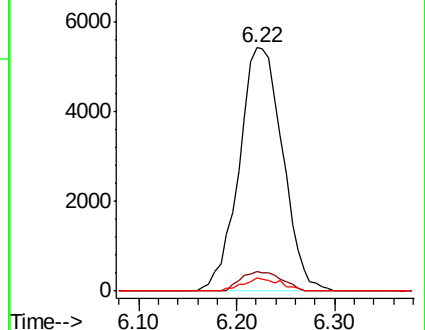
100 5.4 2.1 6.2

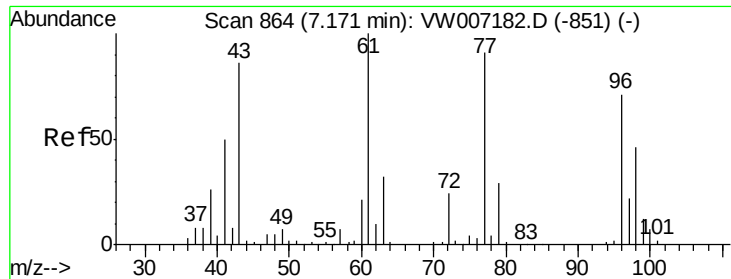


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 371.246 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

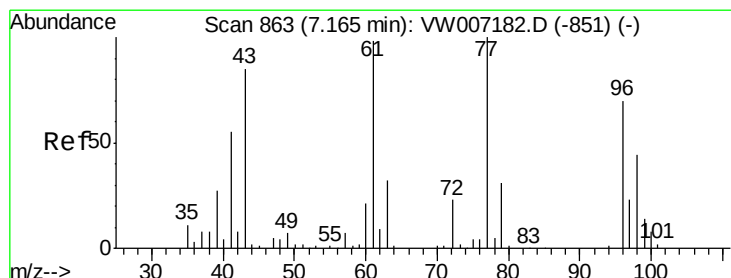
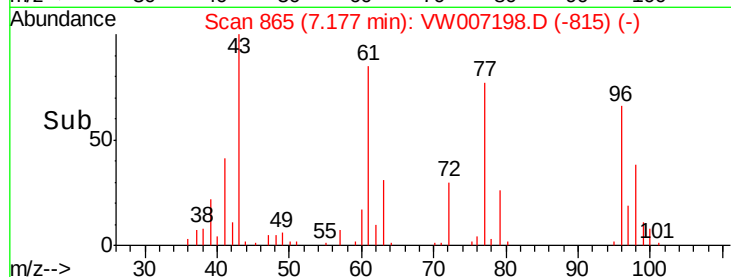
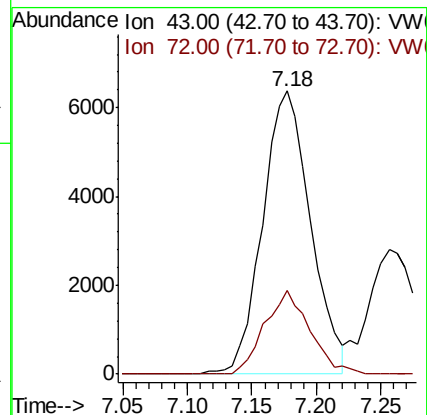
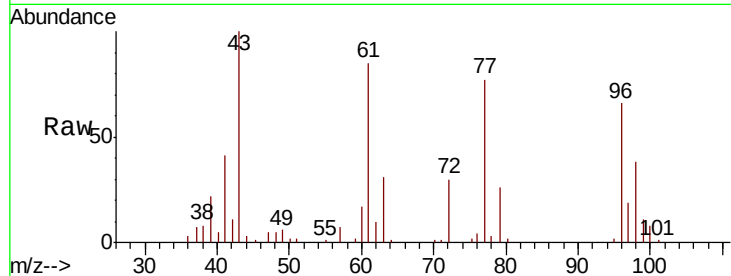
HLSP-SB-5B-(8.5)MSD

Tot Ion: 43 Resp: 16457

Ion Ratio Lower Upper

43 100

72 29.7 22.8 34.2



#26

2,2-Dichloropropane

Concen: 49.174 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007198.D

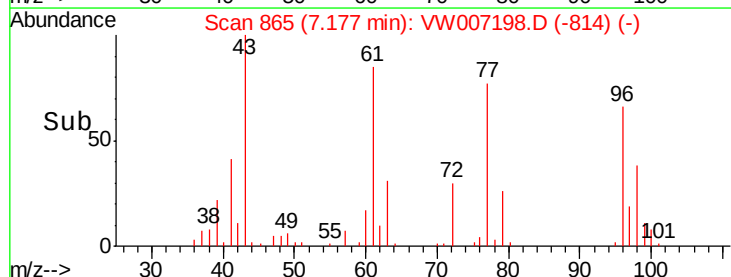
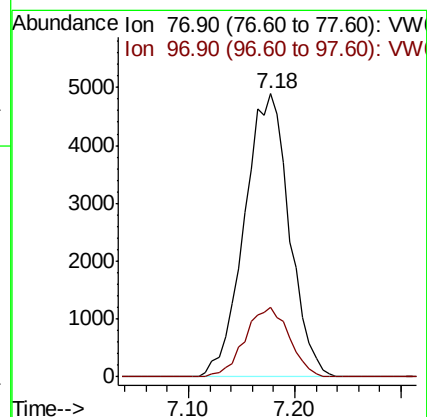
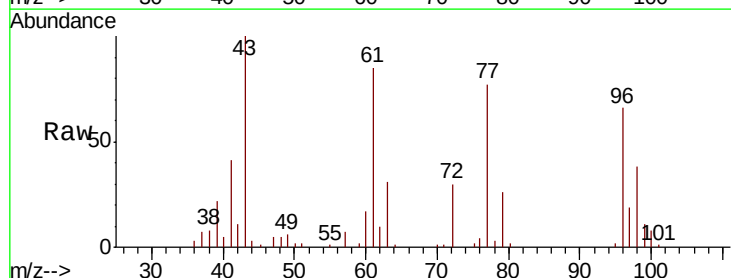
Acq: 04 Dec 2018 19:54

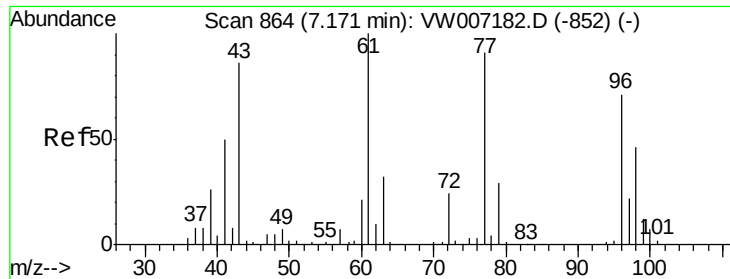
Tgt Ion: 77 Resp: 14478

Ion Ratio Lower Upper

77 100

97 24.4 11.5 34.4



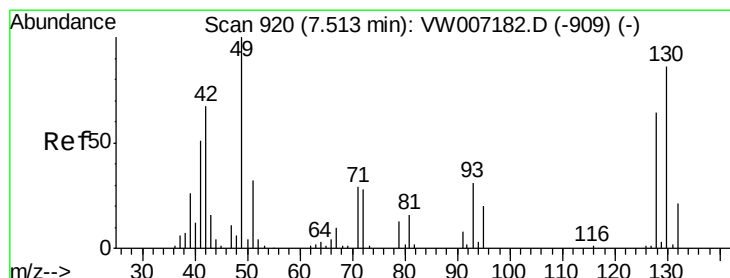
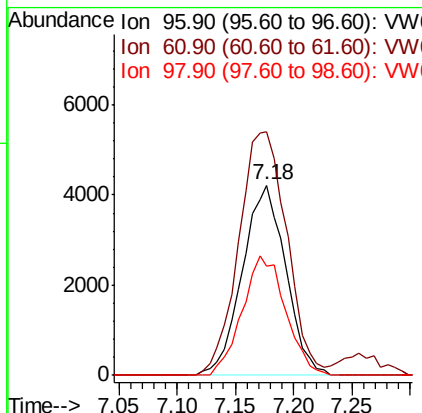
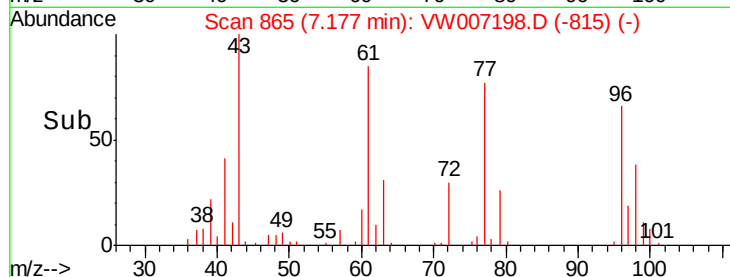
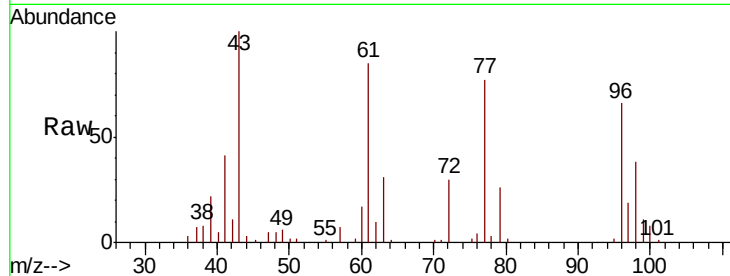


#27

cis-1,2-Dichloroethene
Concen: 55.063 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

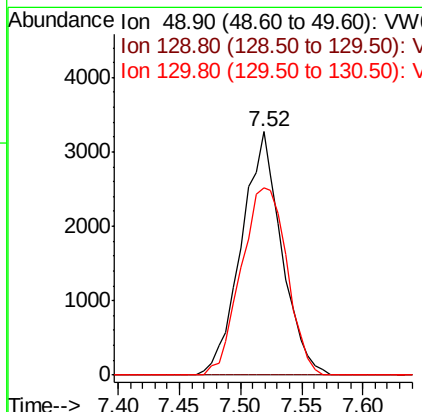
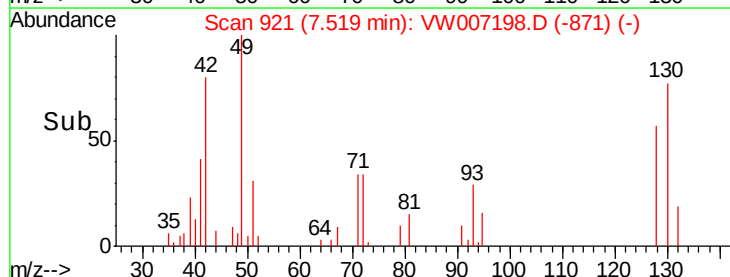
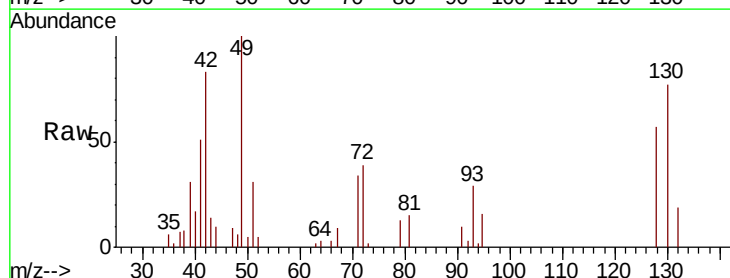
Tot Ion: 96 Resp: 10949
Ion Ratio Lower Upper
96 100
61 141.8 0.0 282.4
98 62.6 0.0 129.8

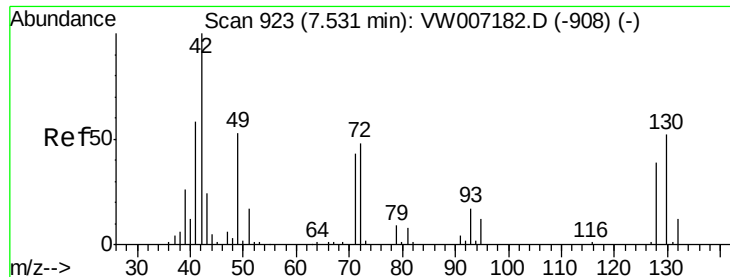


#28

Bromochloromethane
Concen: 67.573 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion: 49 Resp: 7465
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 87.8 70.3 105.5

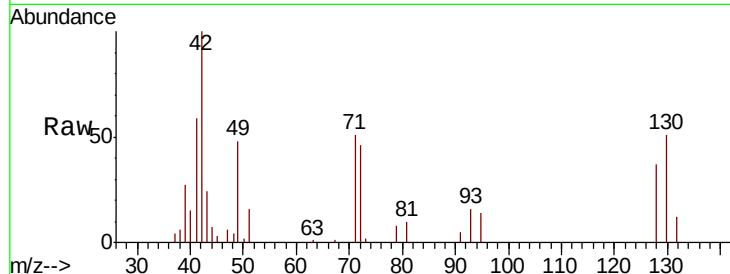




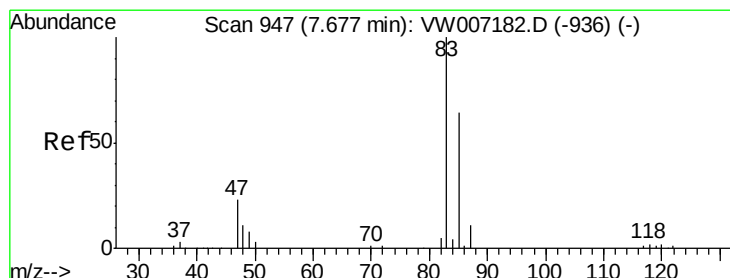
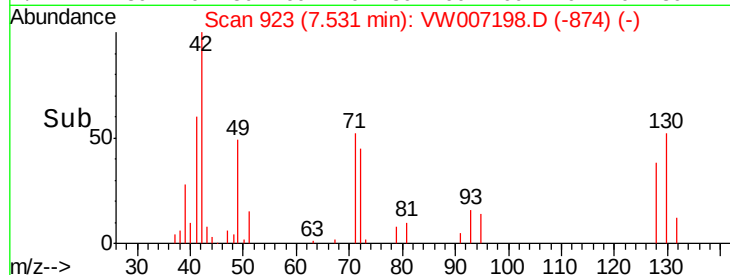
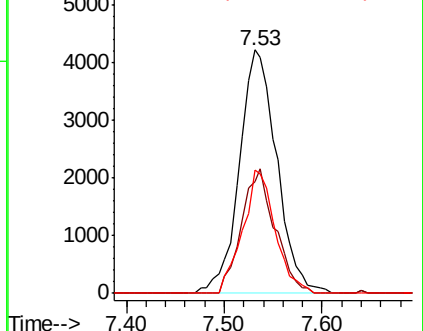
#29
Tetrahydrofuran
Concen: 409.660 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

Tot Ion: 42 Resp: 11222
Ion Ratio Lower Upper
42 100
72 45.7 36.6 55.0
71 43.9 34.8 52.2

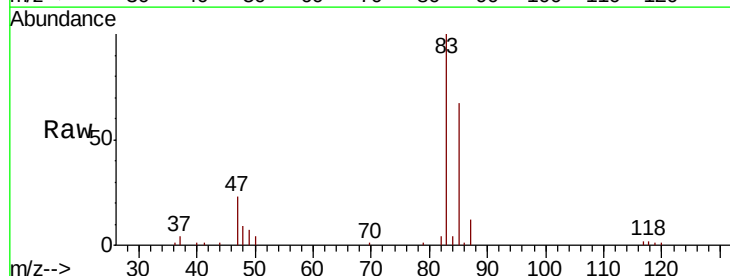


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

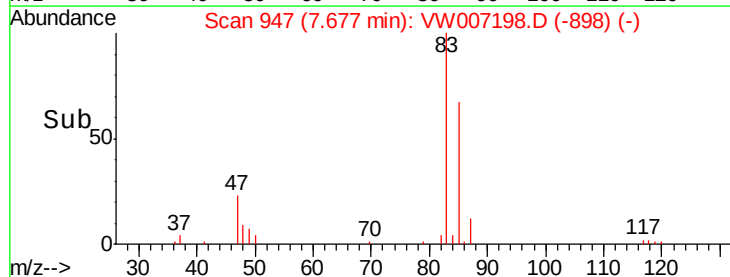
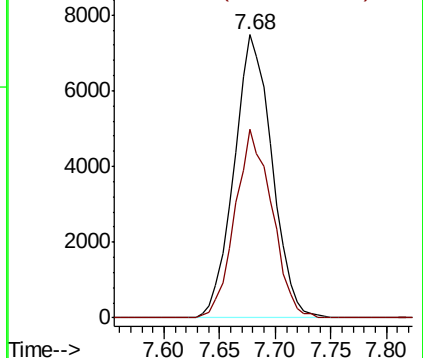


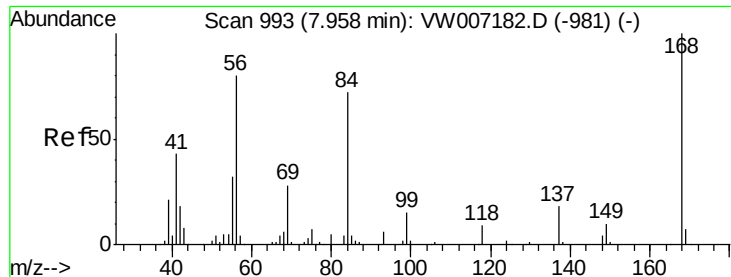
#30
Chloroform
Concen: 55.620 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion: 83 Resp: 17710
Ion Ratio Lower Upper
83 100
85 66.6 51.5 77.3



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

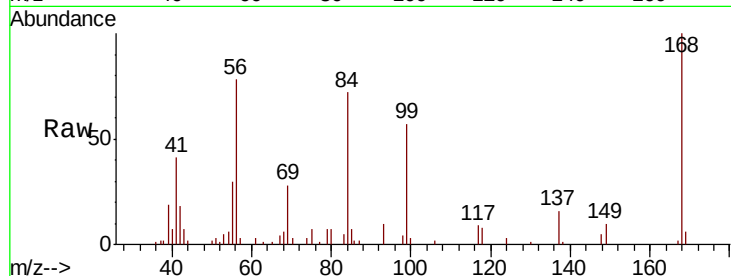




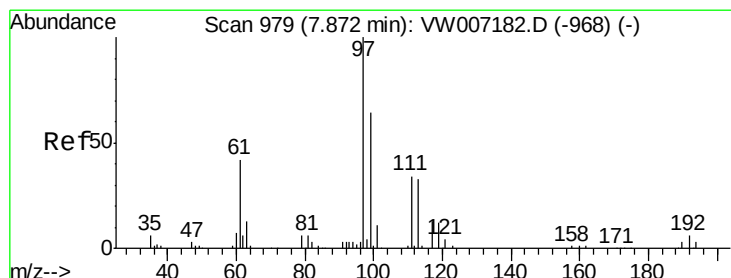
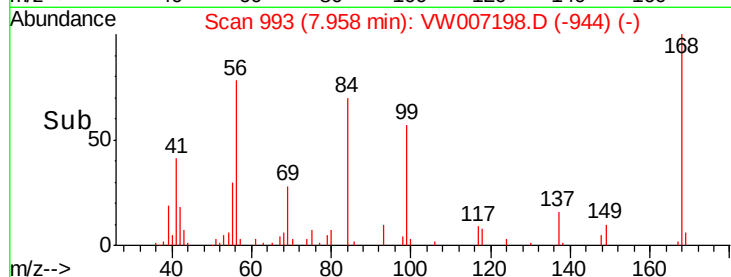
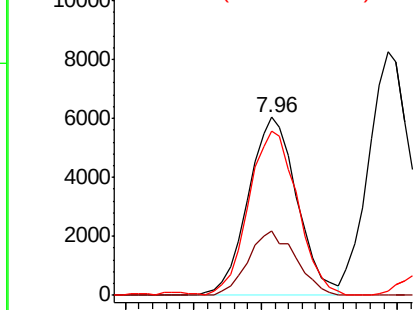
#31
Cyclohexane
Concen: 47.277 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

Tot Ion: 56 Resp: 15155
Ion Ratio Lower Upper
56 100
69 36.1 28.2 42.2
84 91.0 72.1 108.1

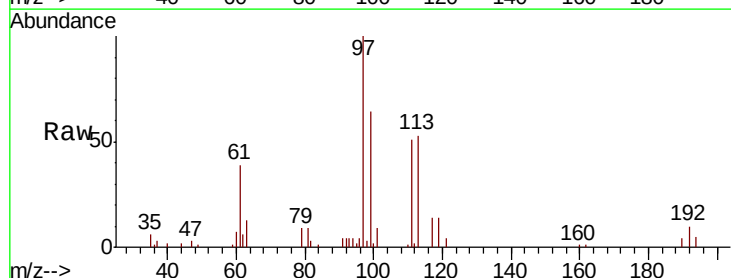


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

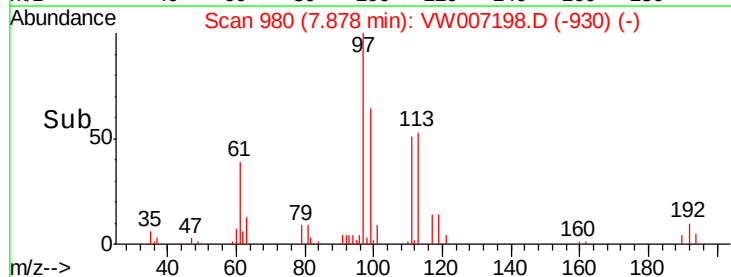
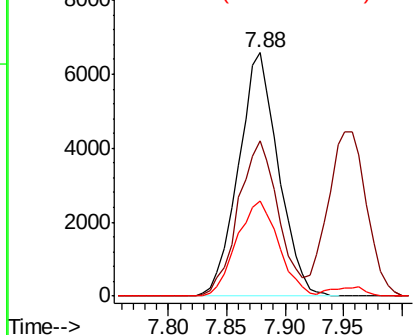


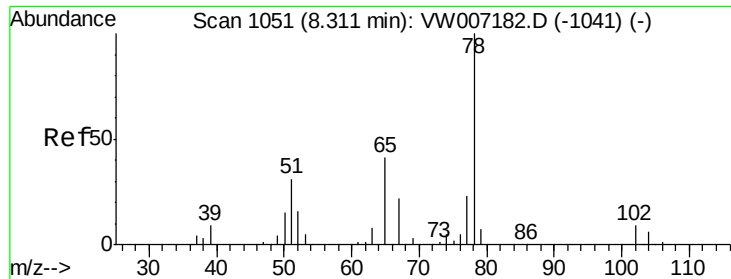
#32
1,1,1-Trichloroethane
Concen: 52.175 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion: 97 Resp: 15634
Ion Ratio Lower Upper
97 100
99 64.4 51.3 76.9
61 41.2 33.2 49.8



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

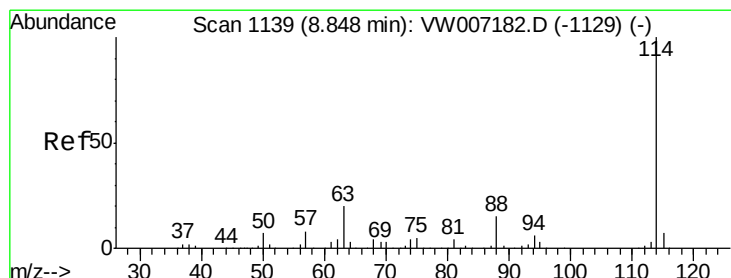
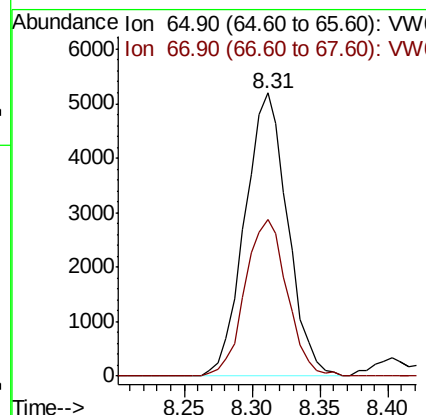
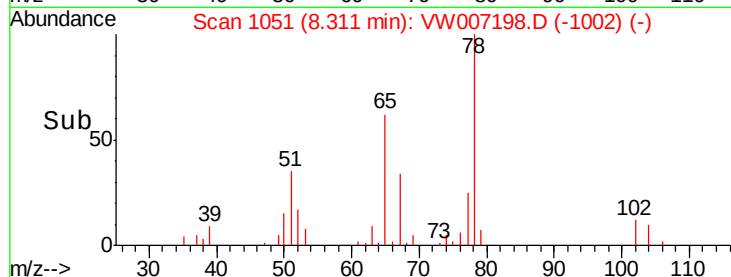
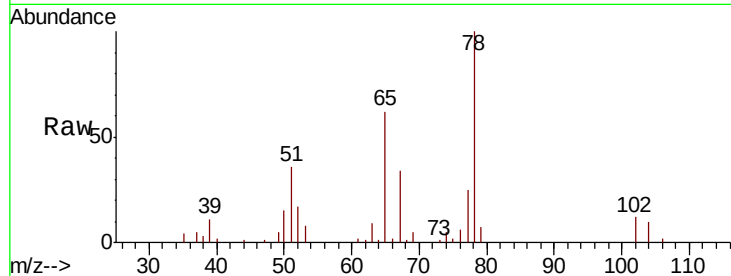




#33
 1,2-Dichloroethane-d4
 Concen: 70.765 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

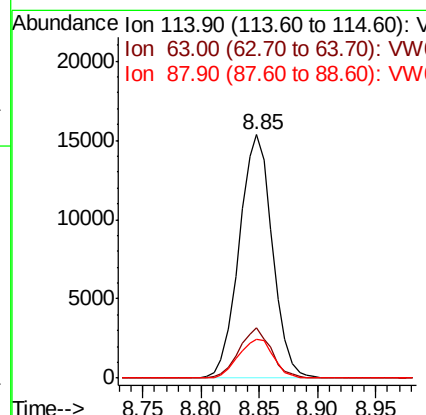
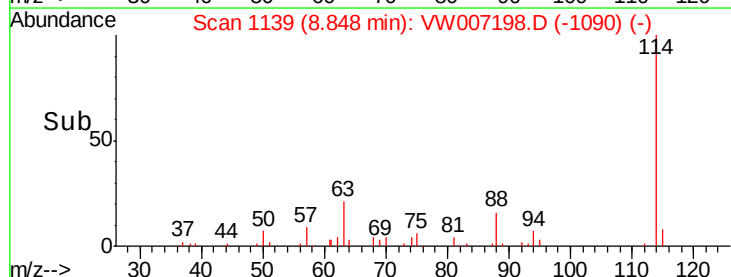
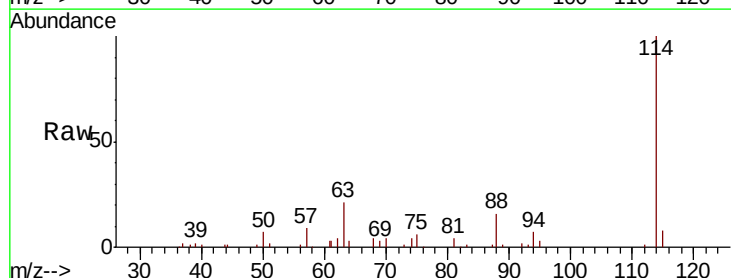
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

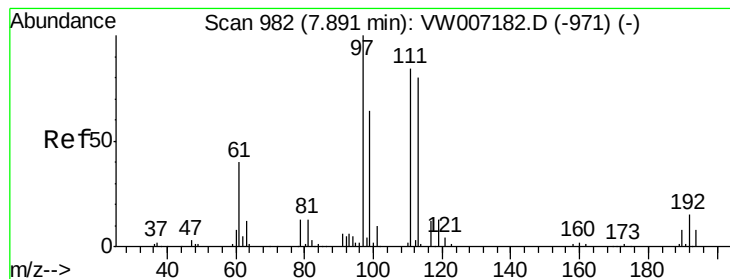
Tot Ion: 65 Resp: 11431
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

Tgt Ion: 114 Resp: 30476
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.2
 88 16.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 55.586 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

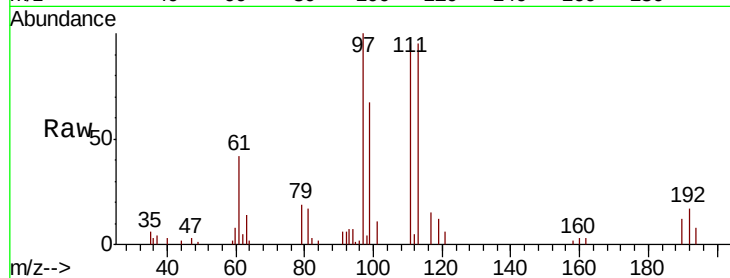
Tot Ion:113 Resp: 9700

Ion Ratio Lower Upper

113 100

111 107.3 82.2 123.4

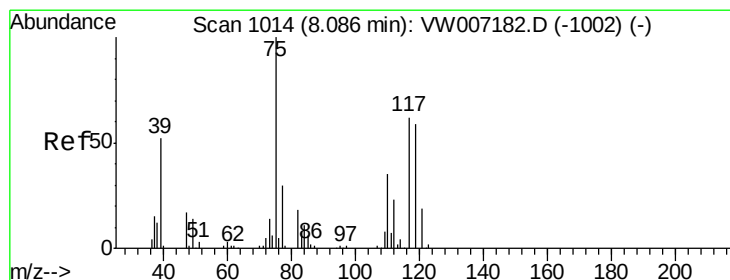
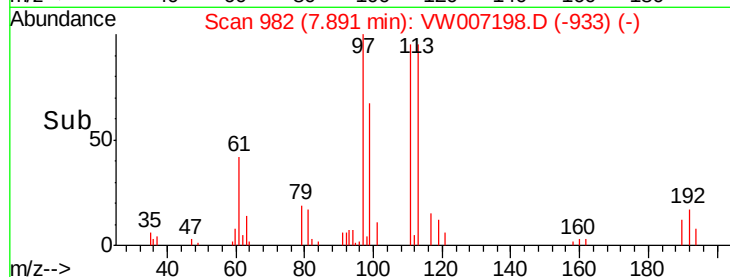
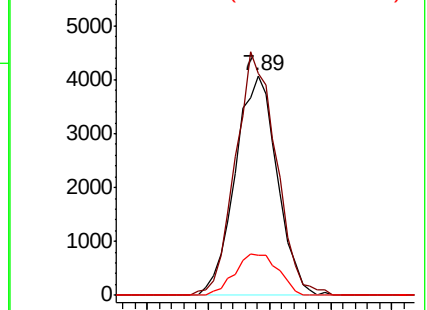
192 19.5 14.4 21.6



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: 44.629 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

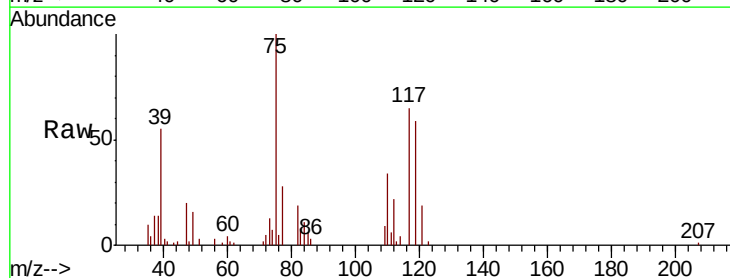
Tgt Ion: 75 Resp: 13234

Ion Ratio Lower Upper

75 100

110 35.7 18.3 54.9

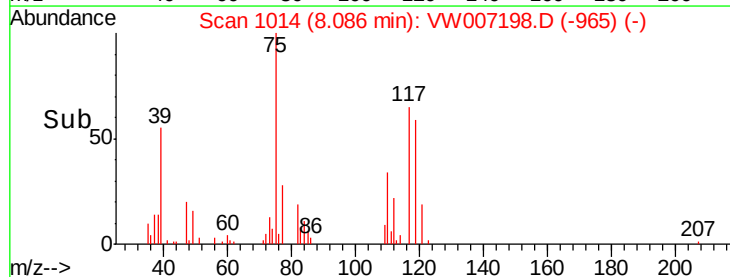
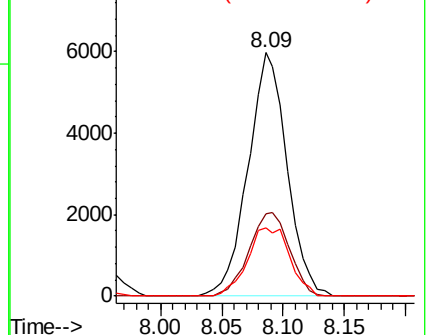
77 30.5 24.9 37.3

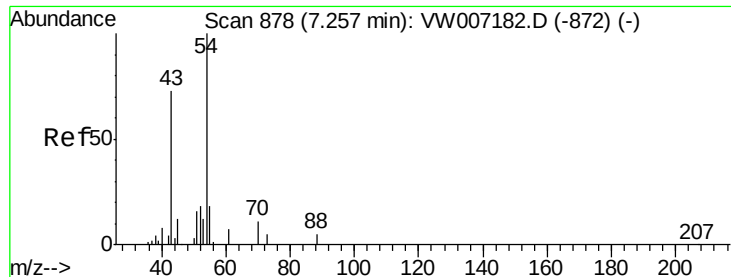


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

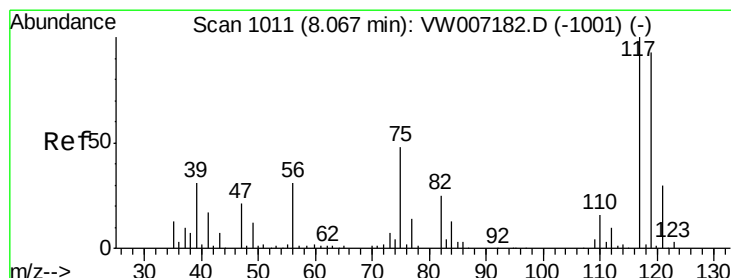
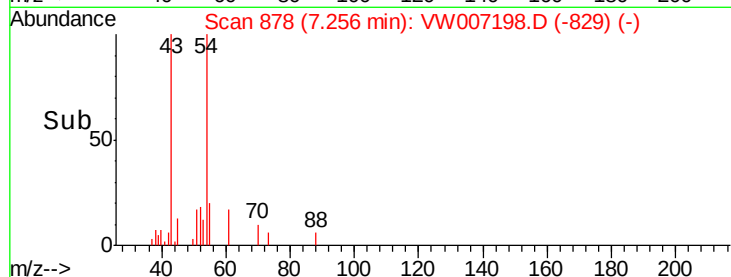
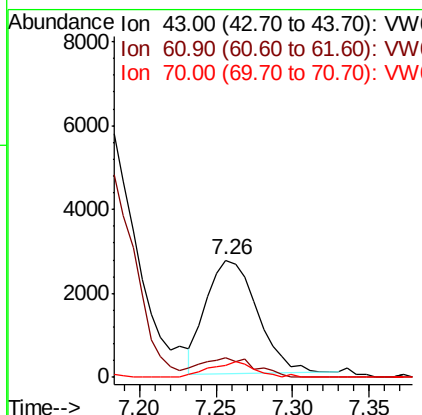
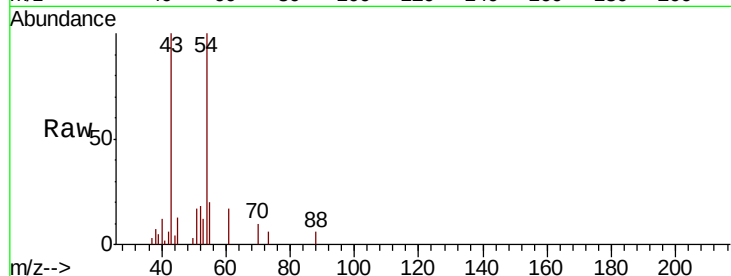




#37
Ethyl Acetate
Concen: 59.180 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

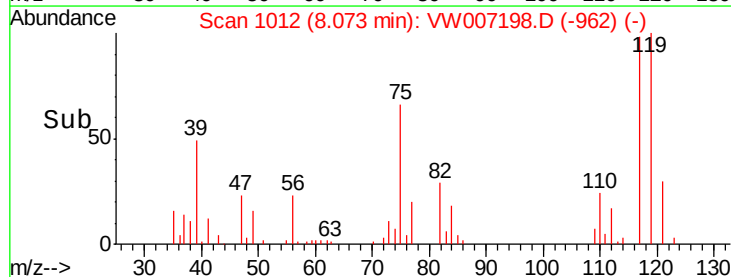
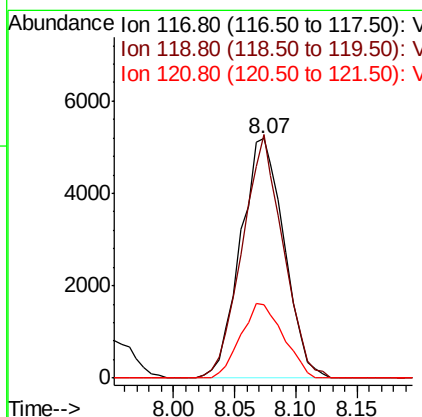
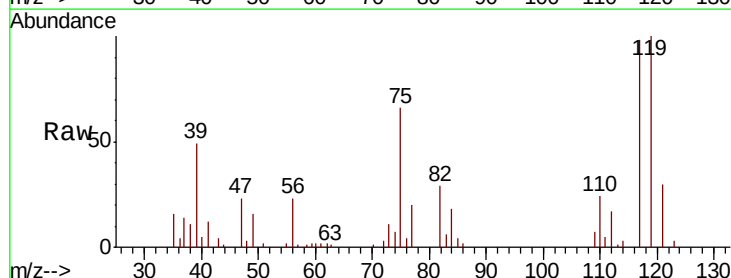
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

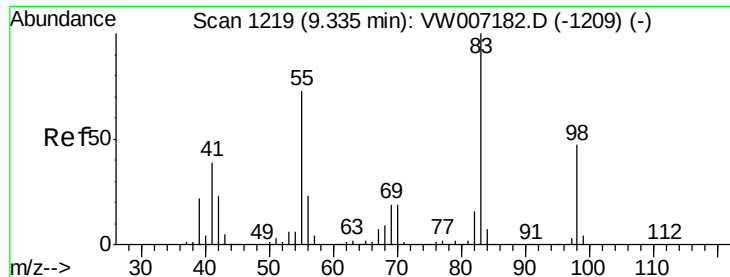
Tot Ion: 43 Resp: 6348
Ion Ratio Lower Upper
43 100
61 18.8 12.1 18.1#
70 11.9 9.1 13.7



#38
Carbon Tetrachloride
Concen: 42.433 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion: 117 Resp: 12843
Ion Ratio Lower Upper
117 100
119 101.6 74.1 111.1
121 30.4 23.9 35.9

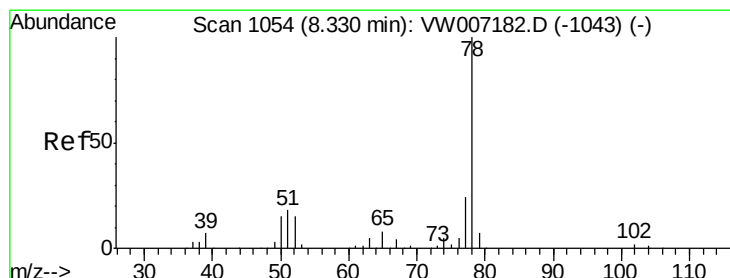
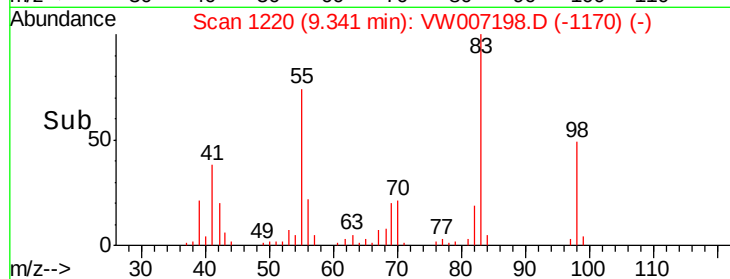
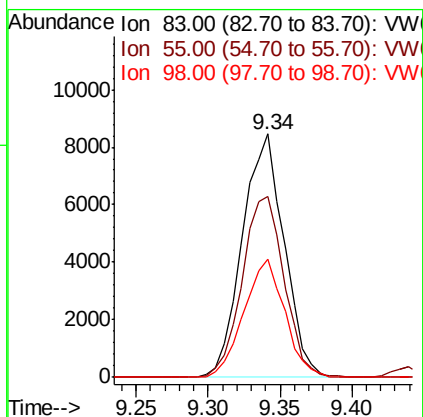
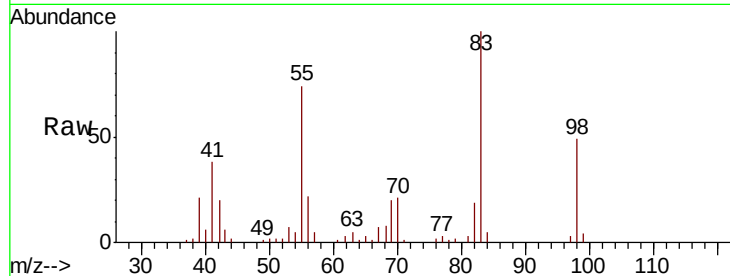




#39
Methylvlcyclohexane
Concen: 42.734 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

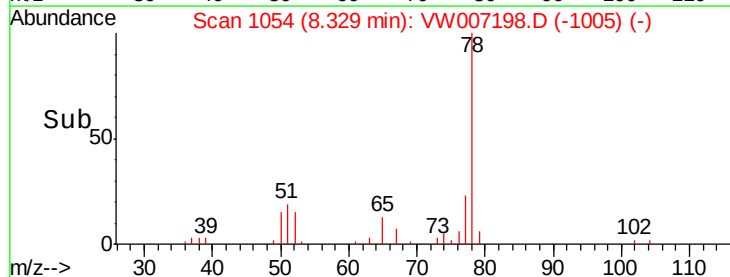
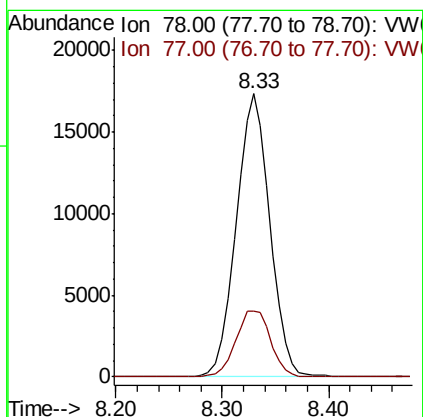
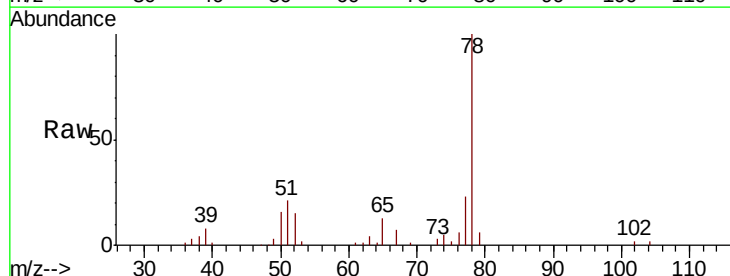
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

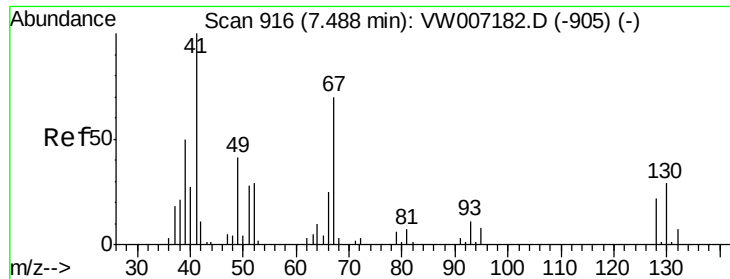
Tot Ion: 83 Resp: 16964
Ion Ratio Lower Upper
83 100
55 74.1 58.1 87.1
98 48.6 37.3 55.9



#40
Benzene
Concen: 47.098 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion: 78 Resp: 38297
Ion Ratio Lower Upper
78 100
77 23.0 18.9 28.3

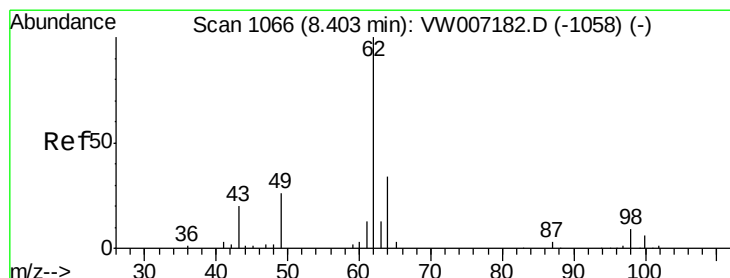
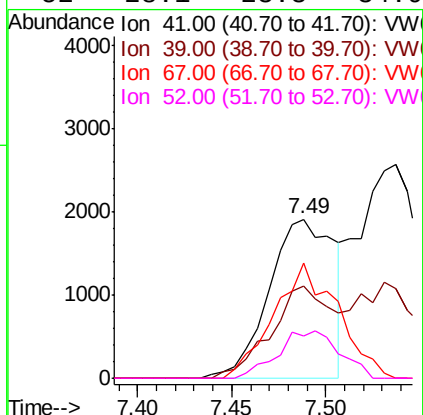
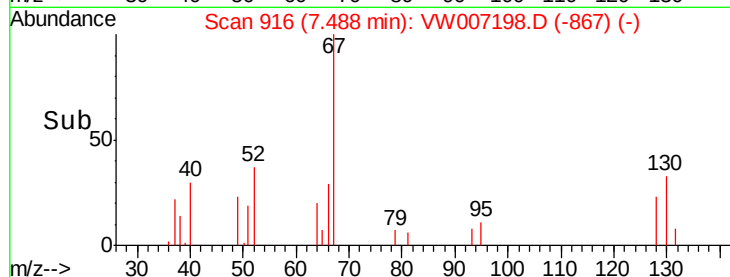
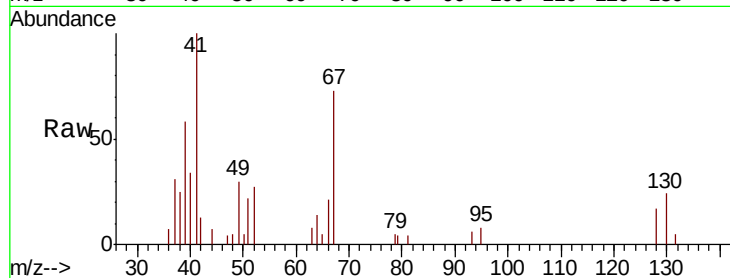




#41
Methacrylonitrile
Concen: 71.908 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

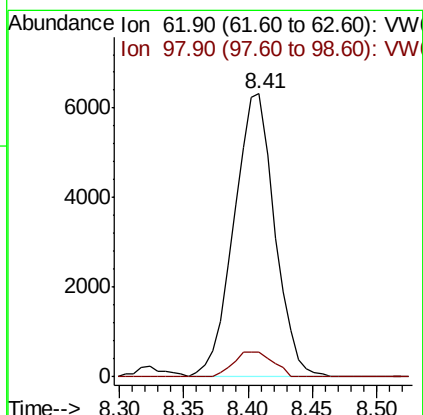
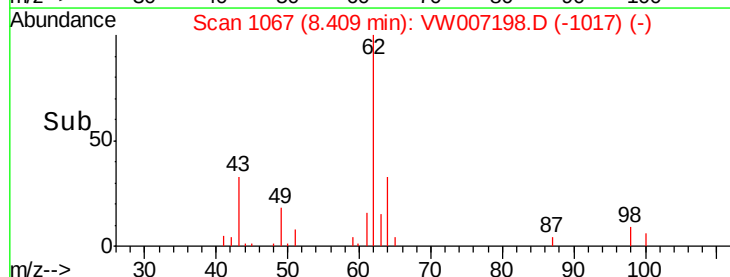
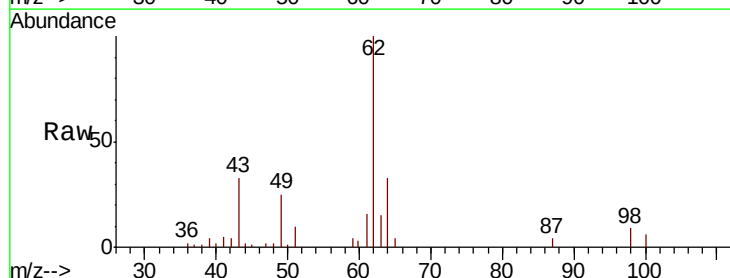
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

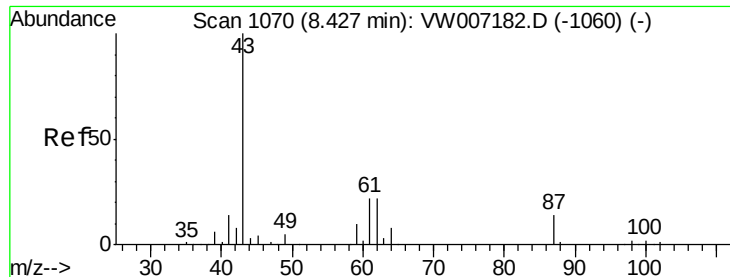
Tot Ion:	41	Resp:	4620
Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.4	65.0
67	70.8	57.4	86.0
52	28.1	23.3	34.9



#42
1,2-Dichloroethane
Concen: 60.980 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion:	62	Resp:	13858
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.8





#43

Isopropyl Acetate

Concen: 68.046 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

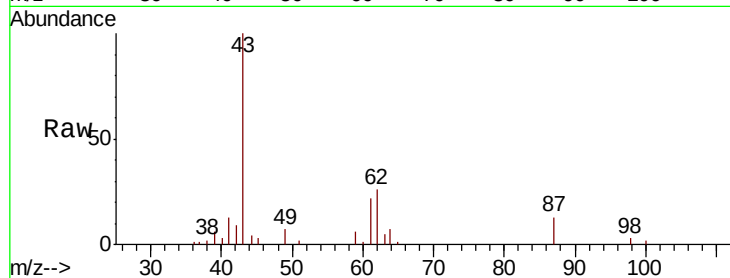
Tot Ion: 43 Resp: 14176

Ion Ratio Lower Upper

43 100

61 30.9 25.4 38.0

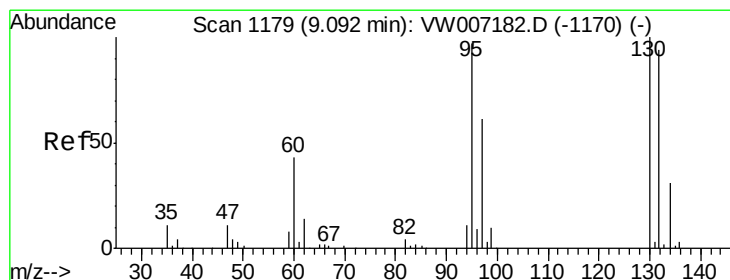
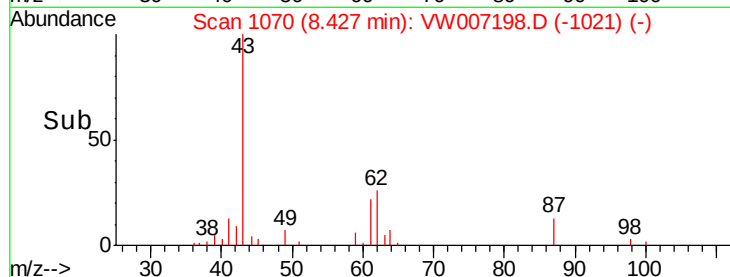
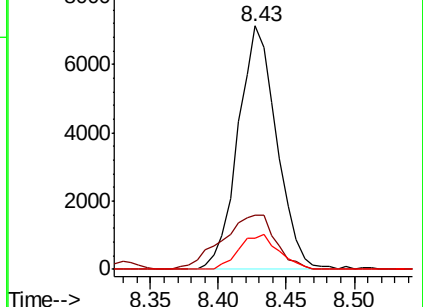
87 14.6 11.4 17.0



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: 48.275 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW007198.D

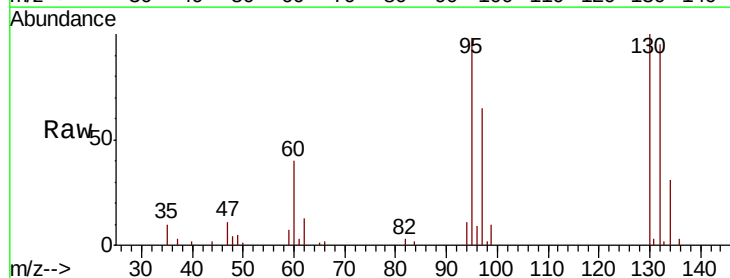
Acq: 04 Dec 2018 19:54

Tgt Ion:130 Resp: 11034

Ion Ratio Lower Upper

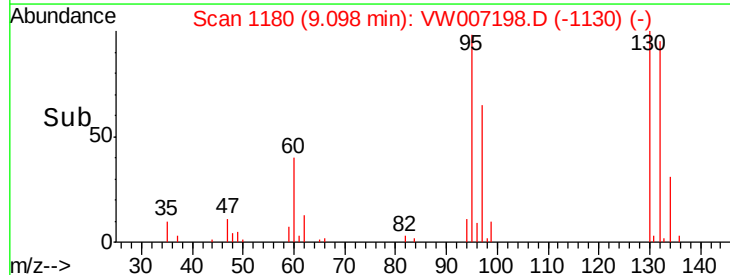
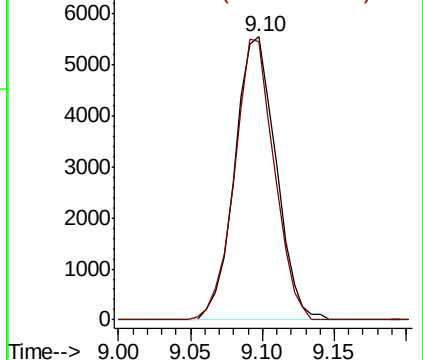
130 100

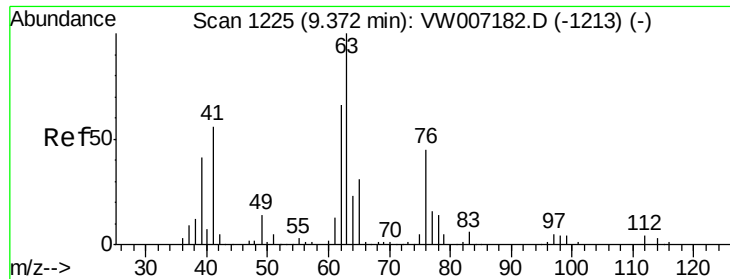
95 98.4 0.0 194.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 54.655 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

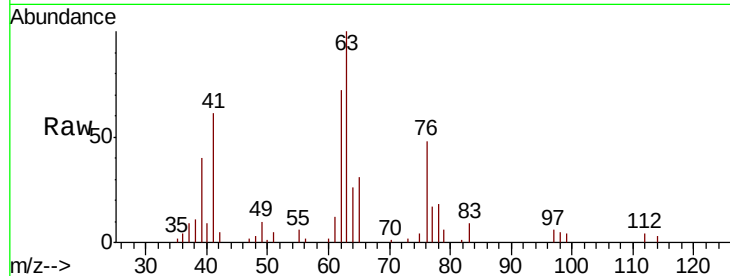
HLSP-SB-5B-(8.5)MSD

Tot Ion: 63 Resp: 10342

Ion Ratio Lower Upper

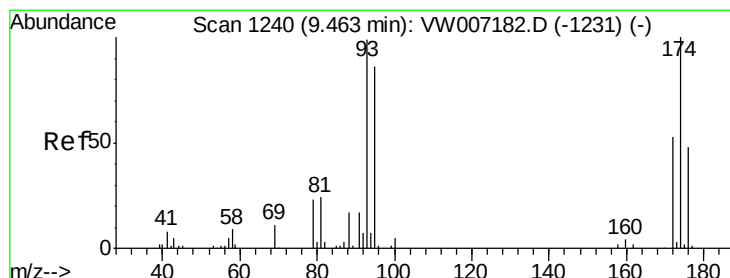
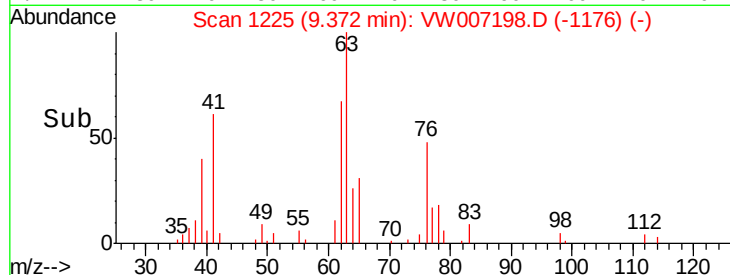
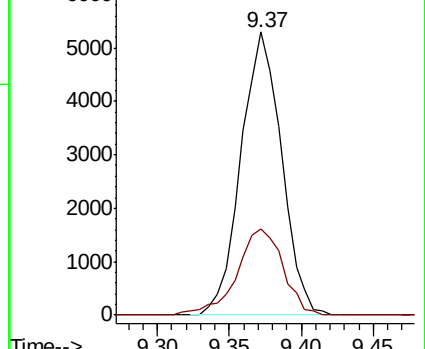
63 100

65 30.7 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 62.862 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

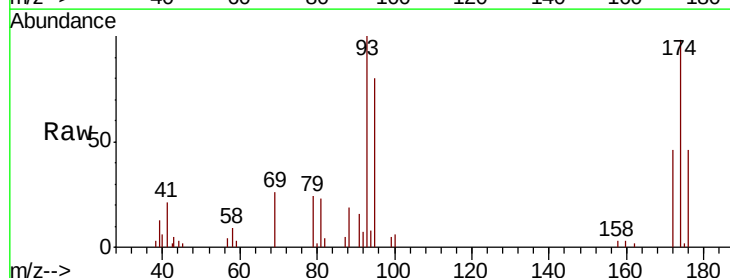
Tgt Ion: 93 Resp: 6181

Ion Ratio Lower Upper

93 100

95 80.8 68.7 103.1

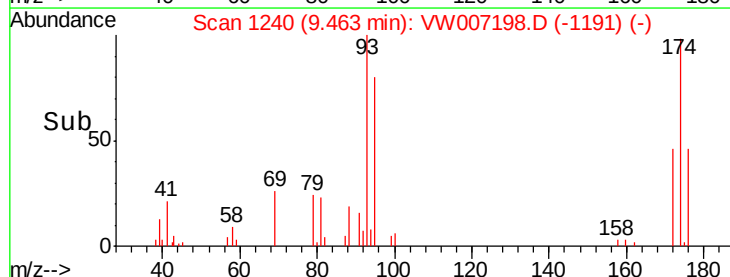
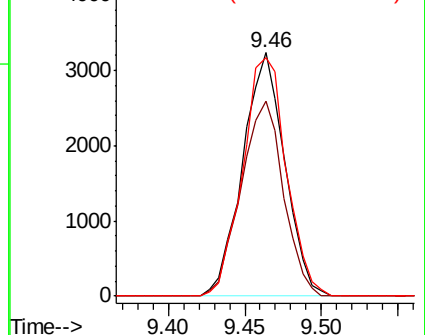
174 101.9 82.9 124.3

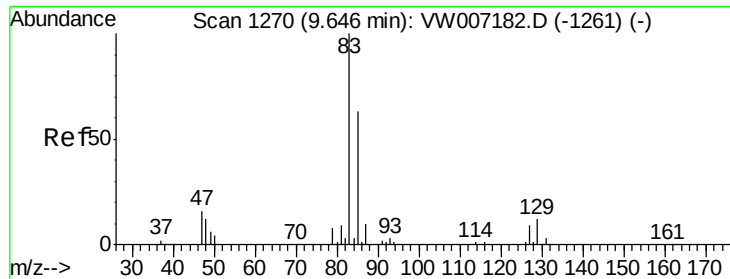


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.004 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

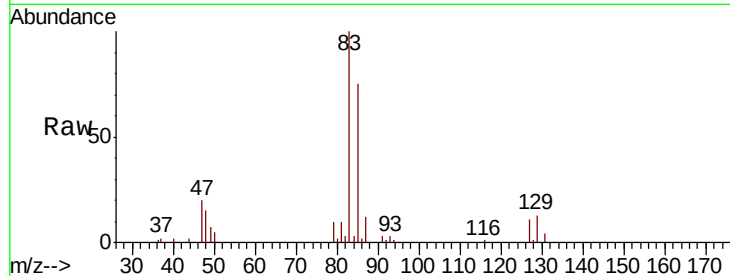
Tot Ion: 83 Resp: 13709

Ion Ratio Lower Upper

83 100

85 74.9 50.6 76.0

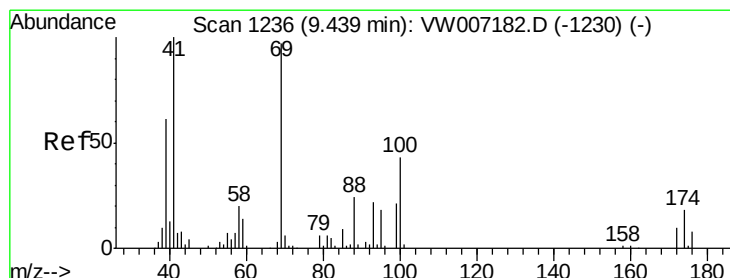
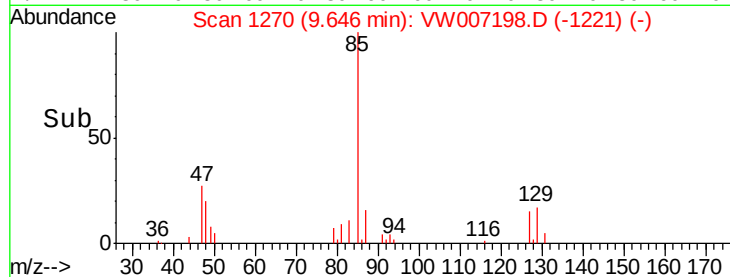
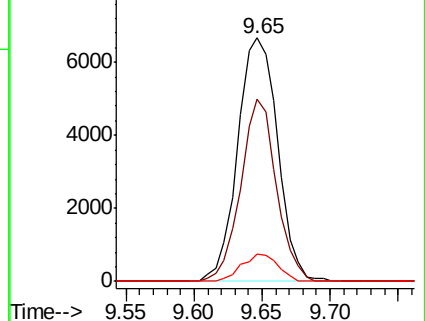
127 11.0 7.3 10.9#



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): VW



#48

Methyl methacrylate

Concen: 68.763 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

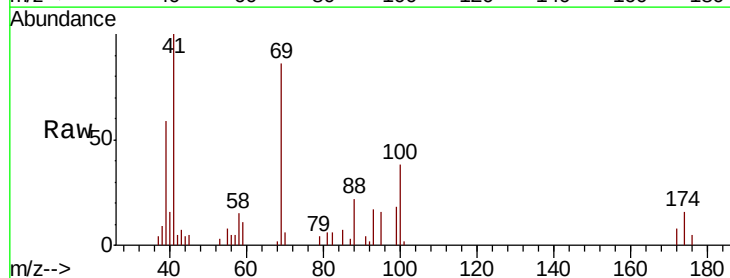
Tgt Ion: 41 Resp: 7435

Ion Ratio Lower Upper

41 100

69 92.5 69.6 104.4

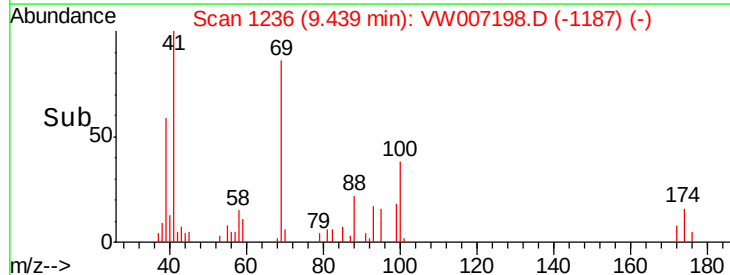
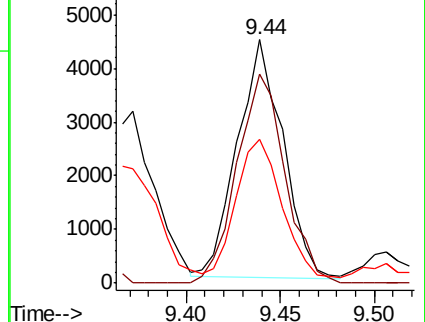
39 58.7 42.4 63.6

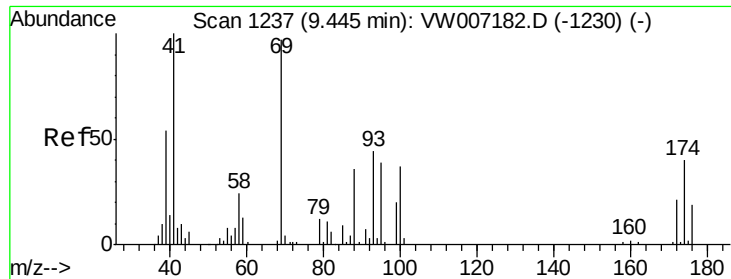


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1268.586 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

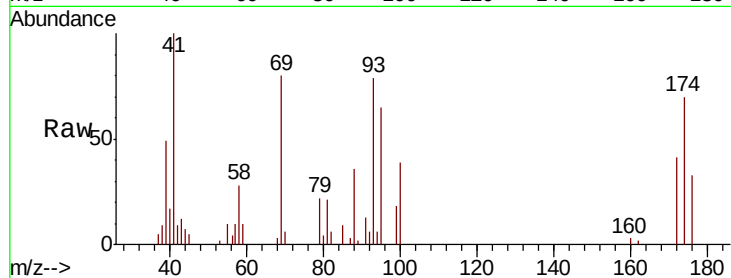
Tot Ion: 88 Resp: 2179

Ion Ratio Lower Upper

88 100

43 32.3 25.8 38.8

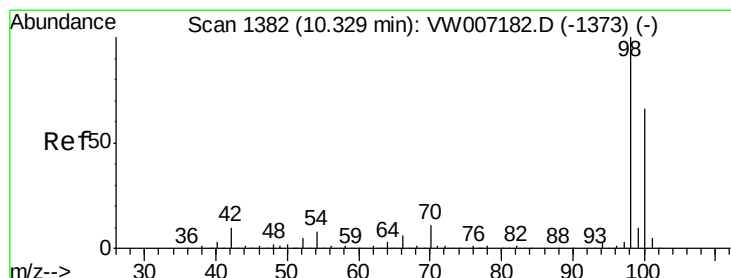
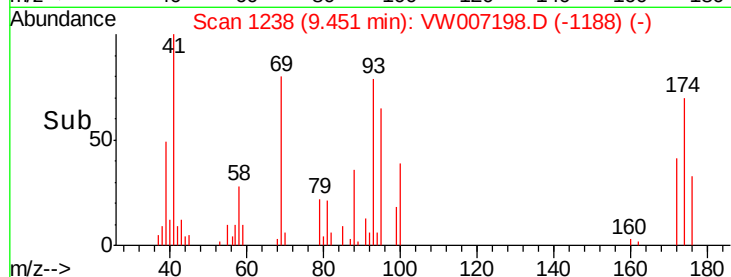
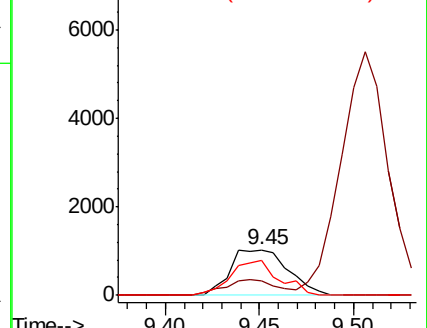
58 64.4 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 46.309 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007198.D

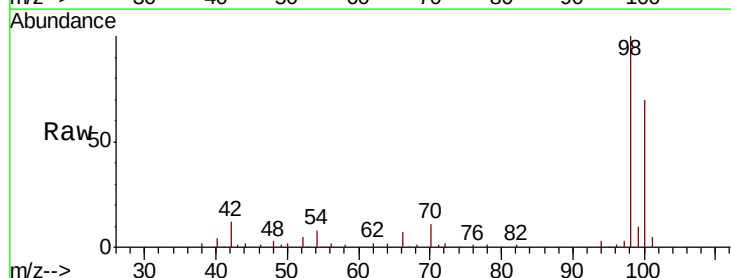
Acq: 04 Dec 2018 19:54

Tgt Ion: 98 Resp: 35597

Ion Ratio Lower Upper

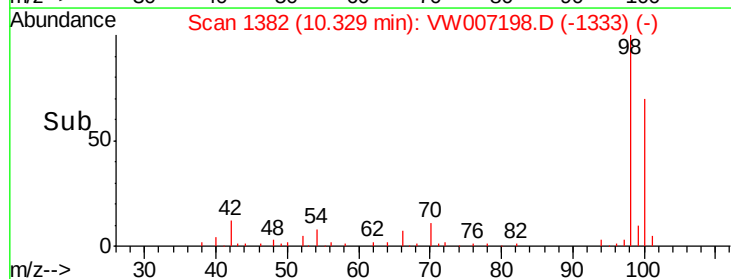
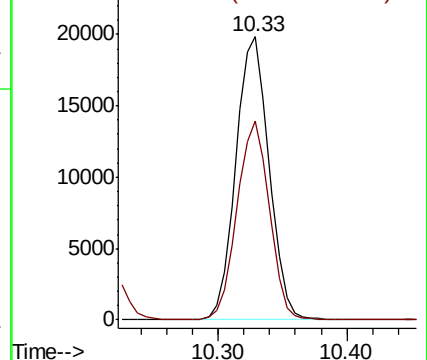
98 100

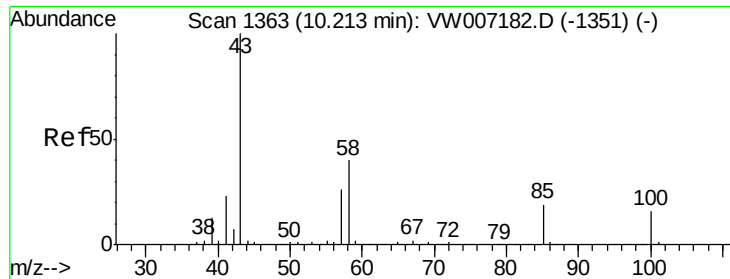
100 68.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

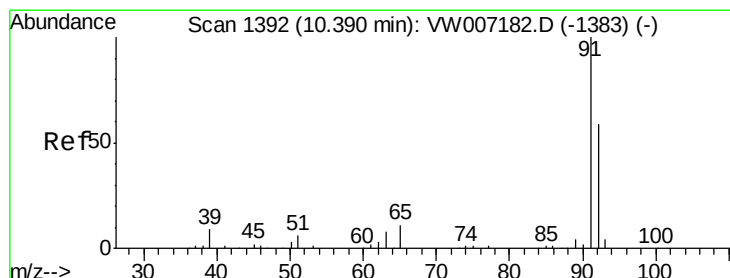
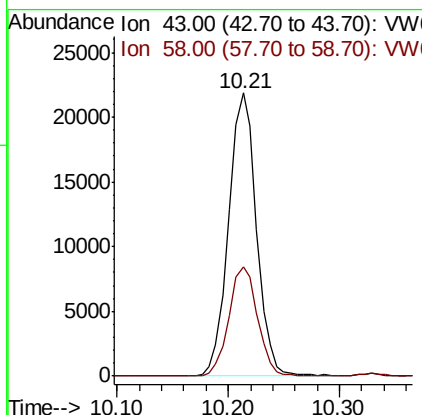
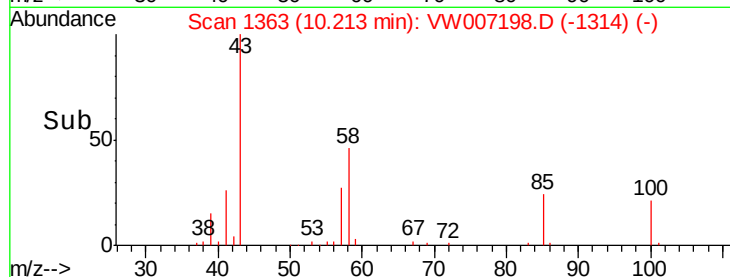
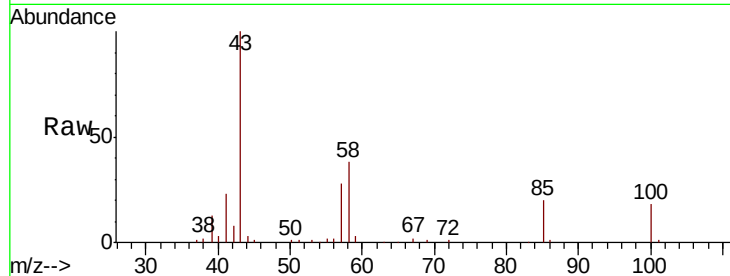




#51
4-Methyl-2-Pentanone
Concen: 369.862 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

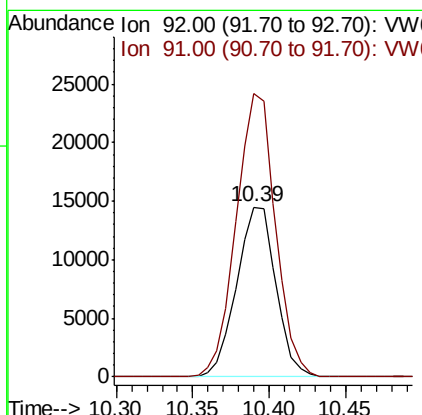
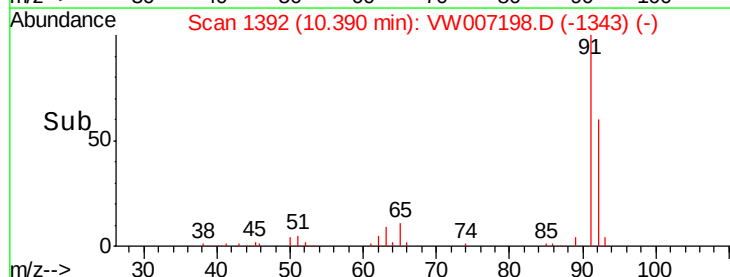
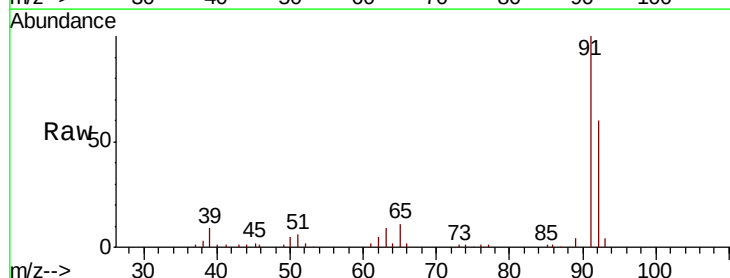
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

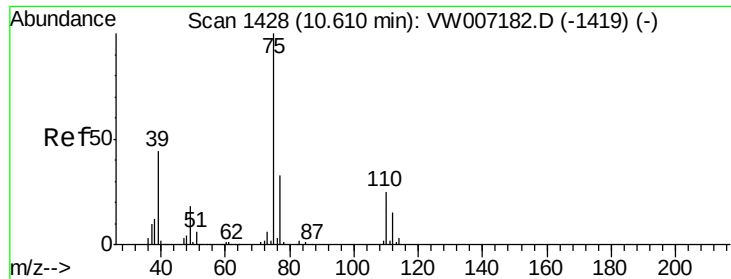
Tot Ion: 43 Resp: 37972
Ion Ratio Lower Upper
43 100
58 39.6 32.3 48.5



#52
Toluene
Concen: 45.473 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion: 92 Resp: 25721
Ion Ratio Lower Upper
92 100
91 167.6 136.0 204.0





#53

t-1,3-Dichloropropene

Concen: 62.065 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

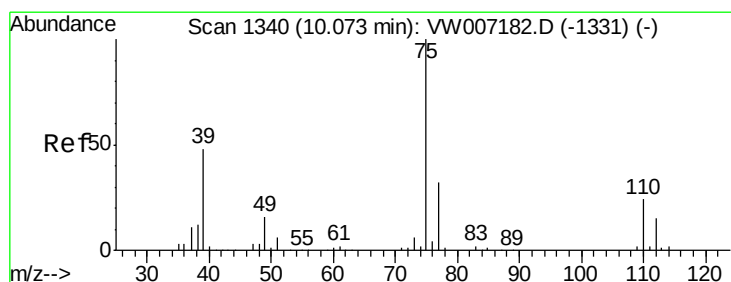
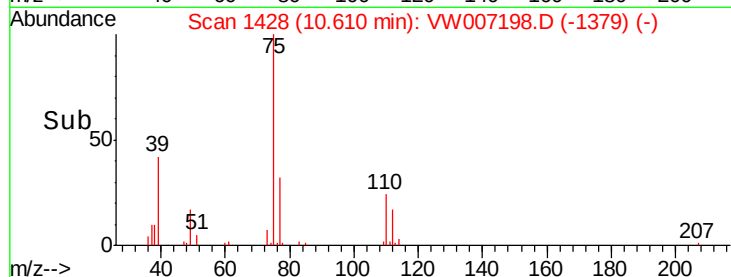
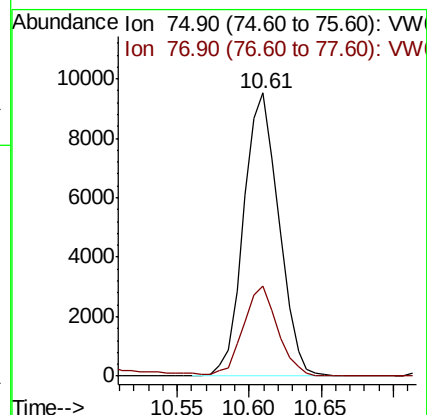
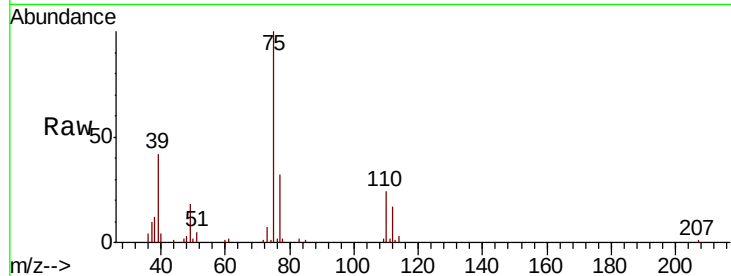
HLSP-SB-5B-(8.5)MSD

Tot Ion: 75 Resp: 16139

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 55.378 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

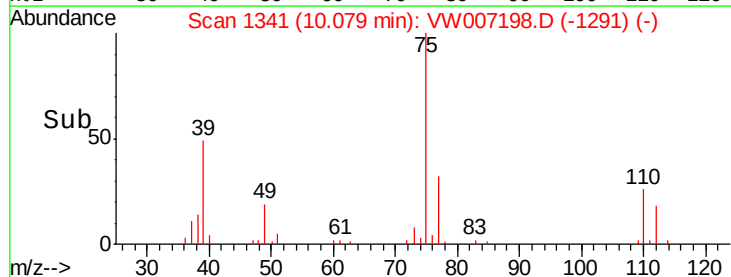
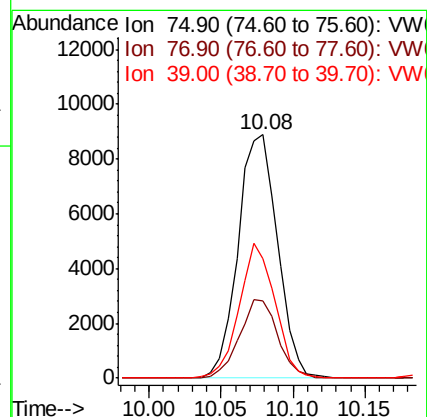
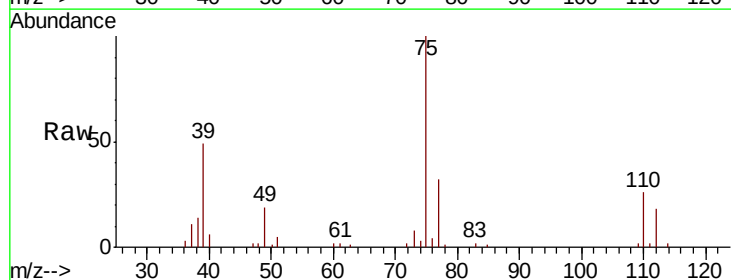
Tgt Ion: 75 Resp: 16876

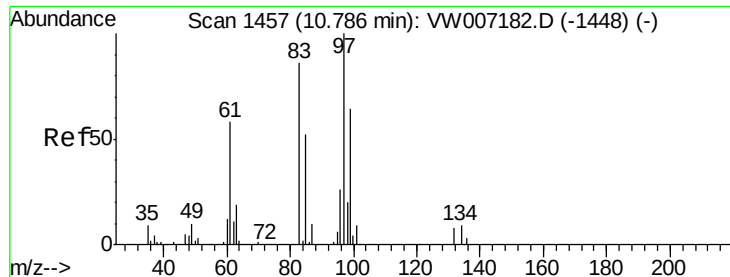
Ion Ratio Lower Upper

75 100

77 31.6 26.0 39.0

39 49.1 38.0 57.0

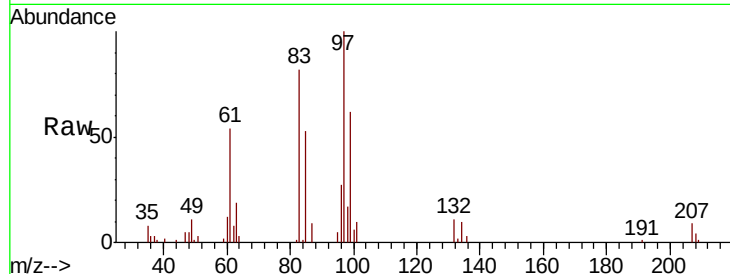




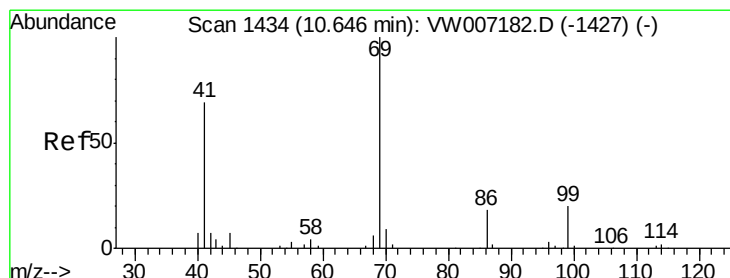
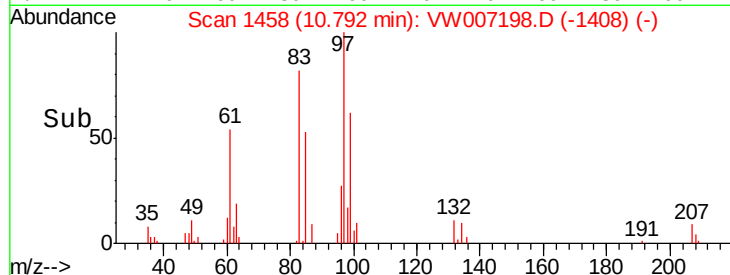
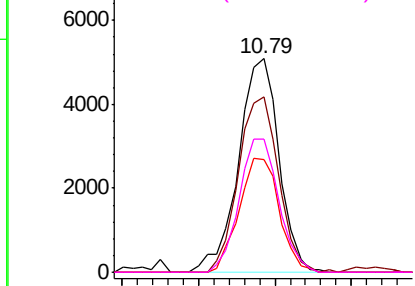
#55
1,1,2-Trichloroethane
Concen: 66.887 ug/l
RT: 10.79 min Scan# 1458
Delta R.T. 0.01 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

Tot Ion: 97 Resp: 9355
Ion Ratio Lower Upper
97 100
83 82.2 68.6 102.8
85 52.6 41.4 62.2
99 62.1 51.2 76.8

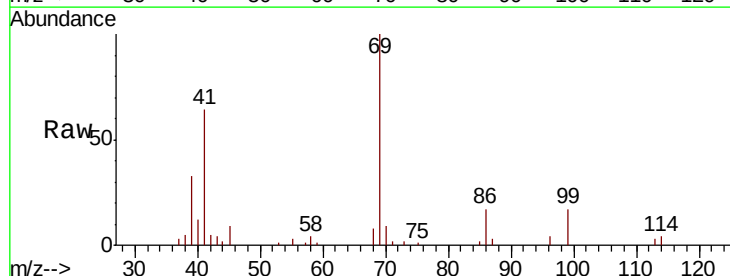


Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW

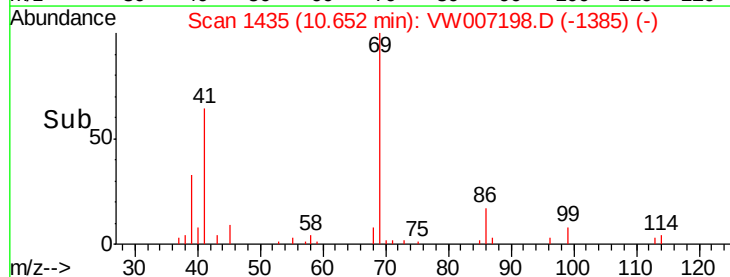
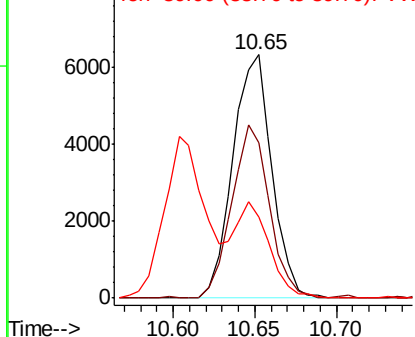


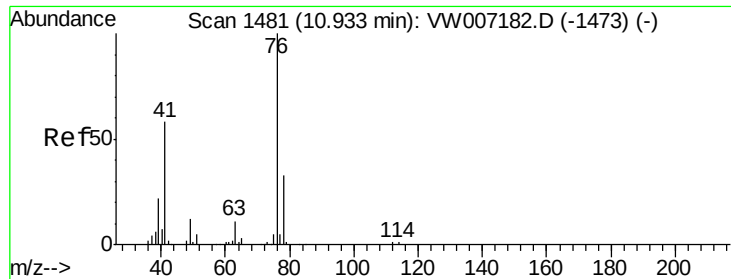
#56
Ethyl methacrylate
Concen: 57.635 ug/l
RT: 10.65 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion: 69 Resp: 10515
Ion Ratio Lower Upper
69 100
41 68.6 51.8 77.6
39 32.6 28.7 43.1



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

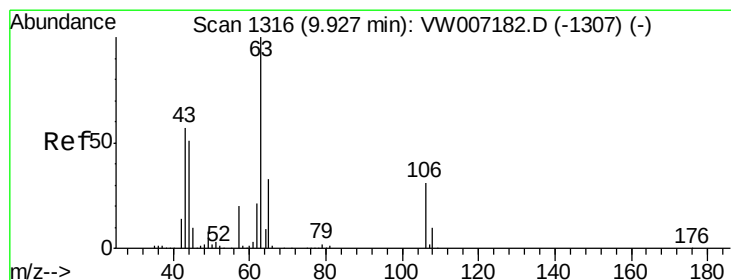
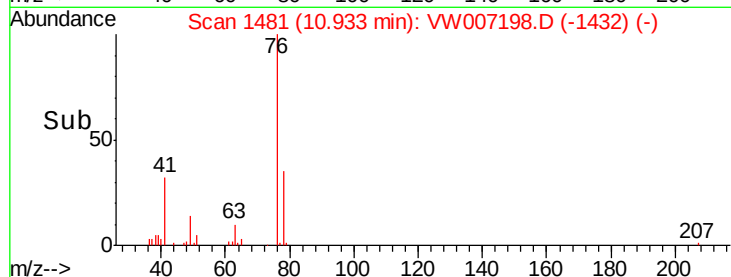
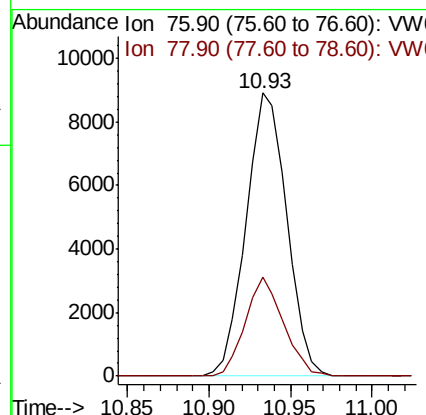
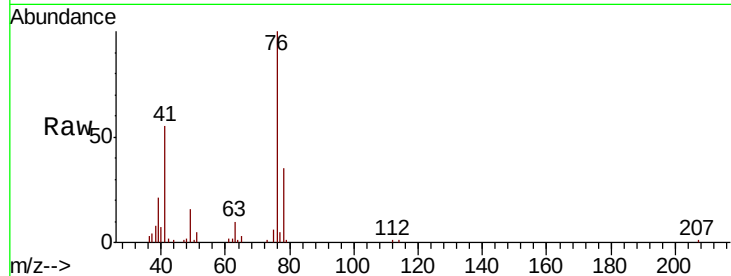




#57
 1,3-Dichloropropane
 Concen: 65.609 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

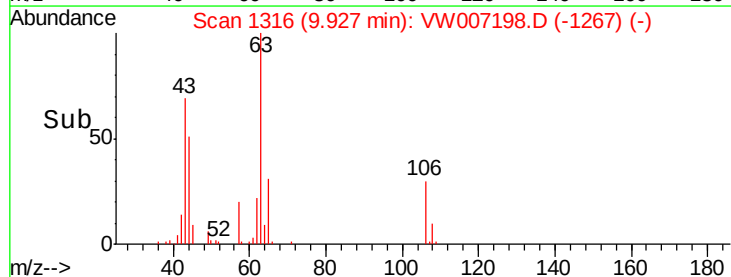
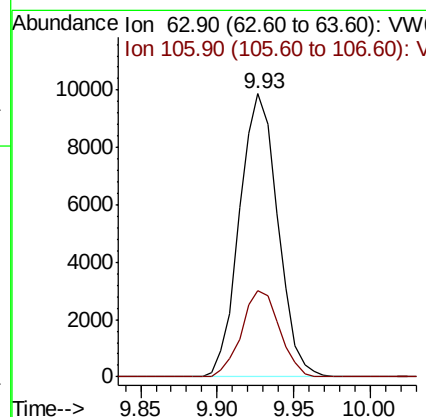
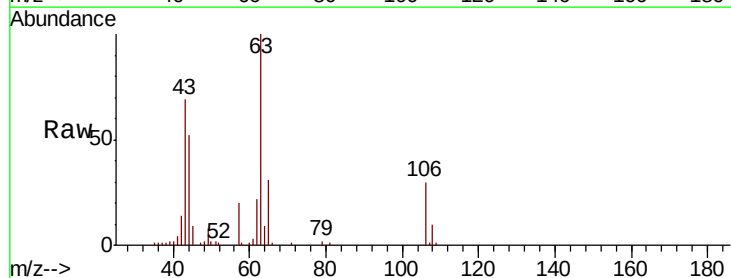
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

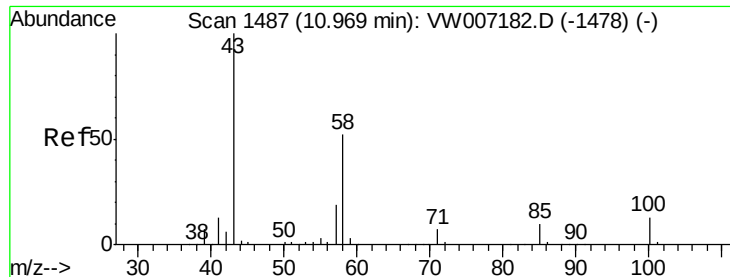
Tot Ion: 76 Resp: 15492
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.294 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

Tgt Ion: 63 Resp: 17169
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.1 36.1





#59

2-Hexanone

Concen: 327.650 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

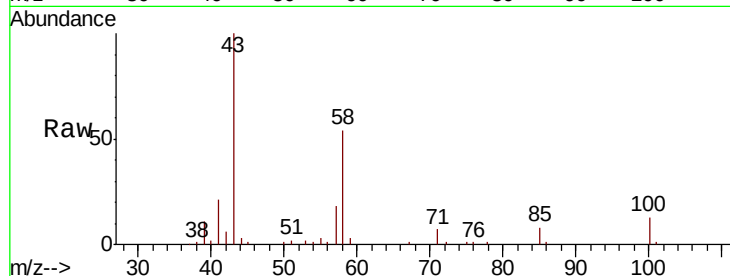
HLSP-SB-5B-(8.5)MSD

Tot Ion: 43 Resp: 24385

Ion Ratio Lower Upper

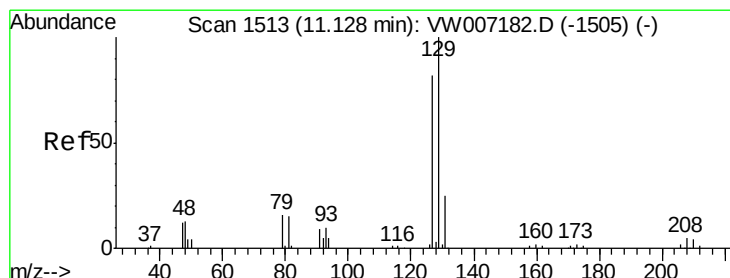
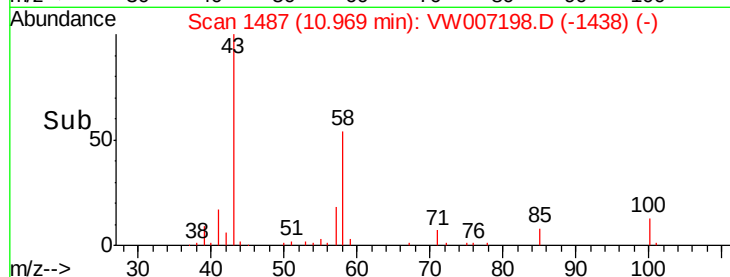
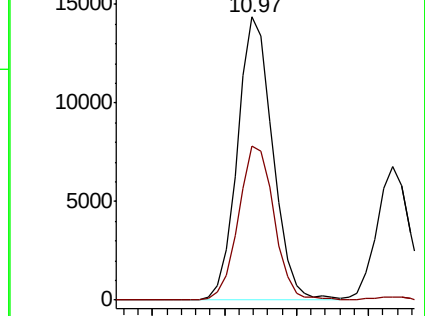
43 100

58 54.9 28.1 84.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 63.247 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW007198.D

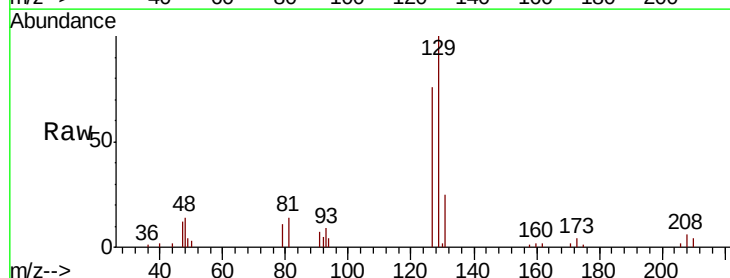
Acq: 04 Dec 2018 19:54

Tgt Ion: 129 Resp: 10872

Ion Ratio Lower Upper

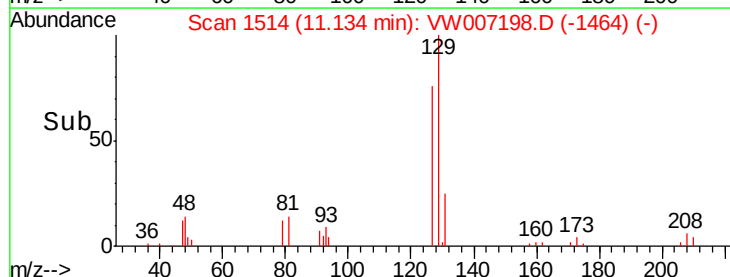
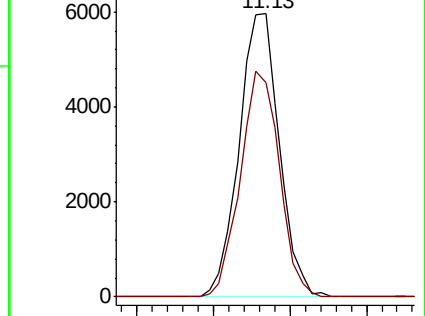
129 100

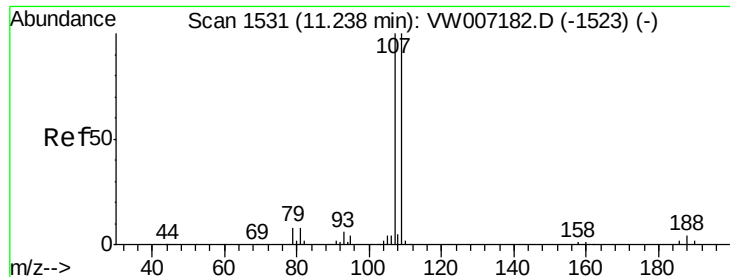
127 77.3 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

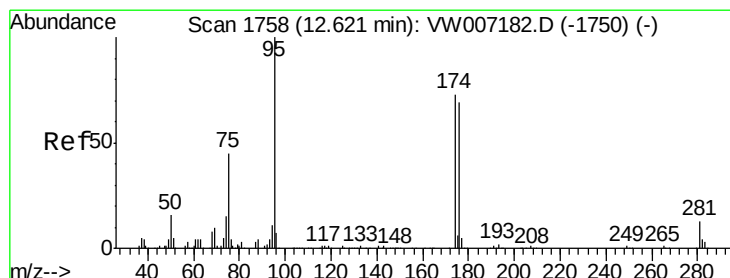
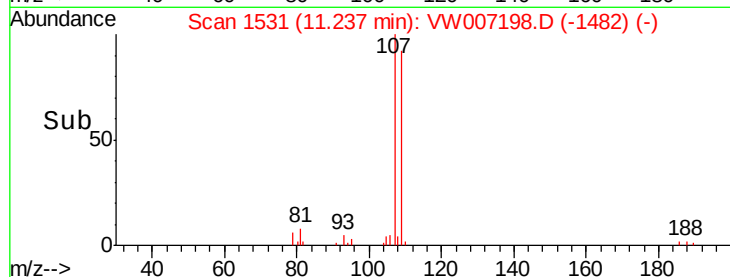
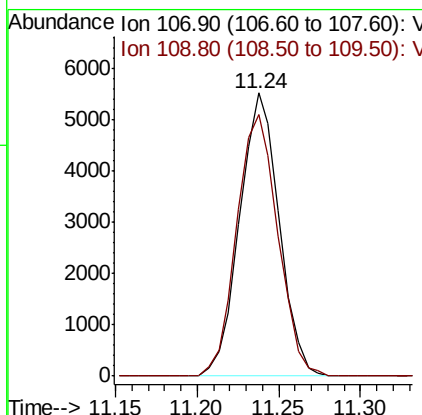
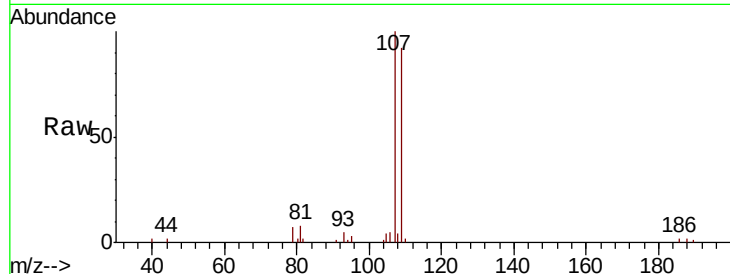




#61
 1,2-Dibromoethane
 Concen: 69.342 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

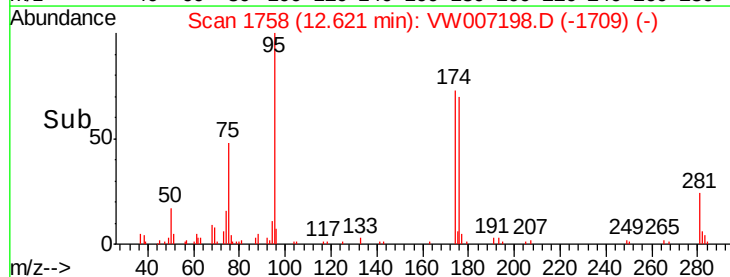
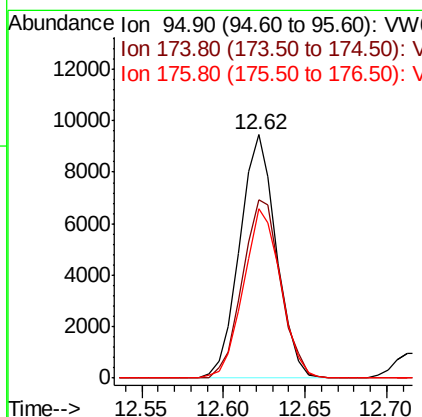
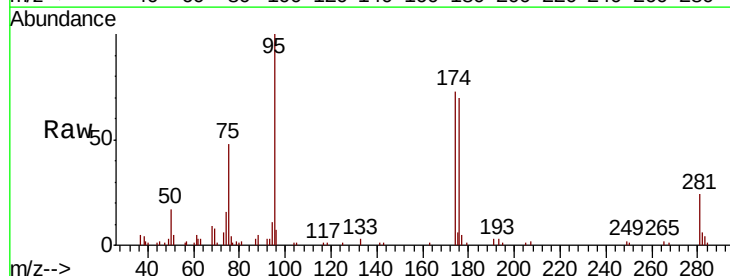
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

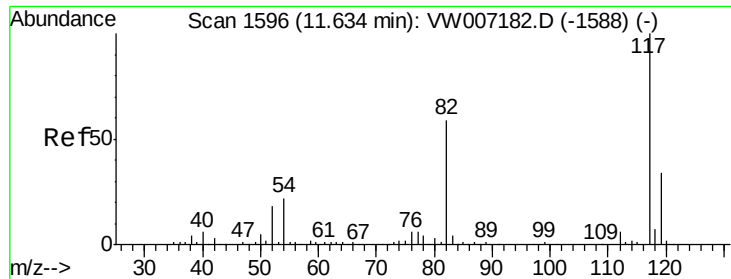
Tot Ion: 107 Resp: 9302
 Ion Ratio Lower Upper
 107 100
 109 96.3 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 50.921 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

Tgt Ion: 95 Resp: 14774
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 148.0
 176 71.0 0.0 139.4

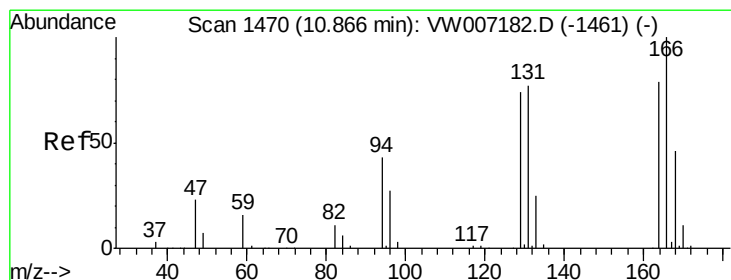
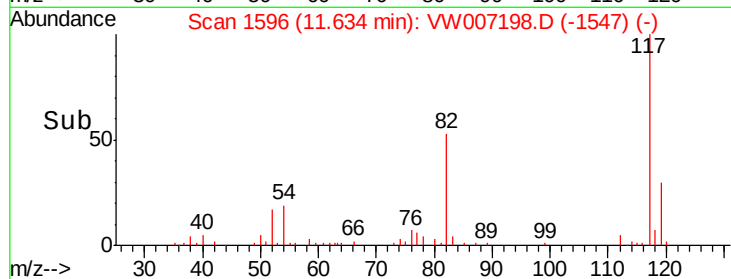
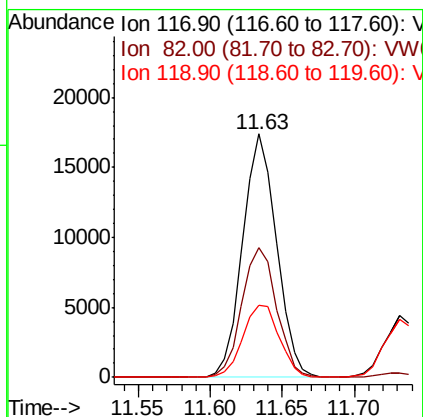
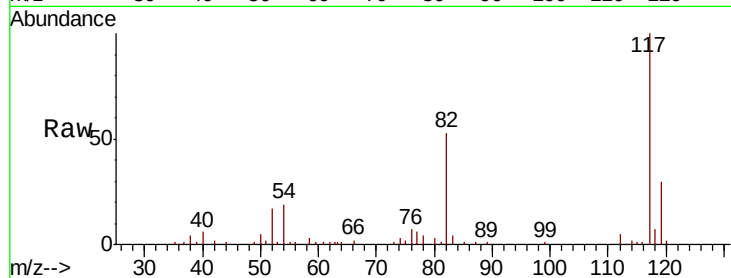




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

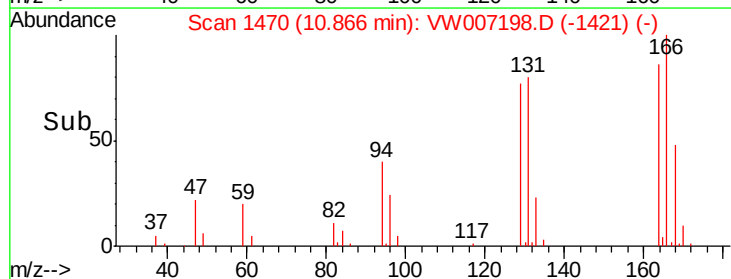
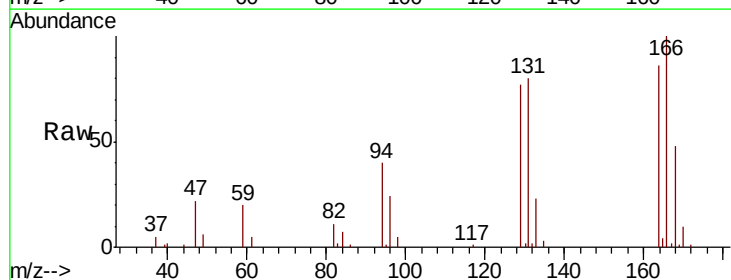
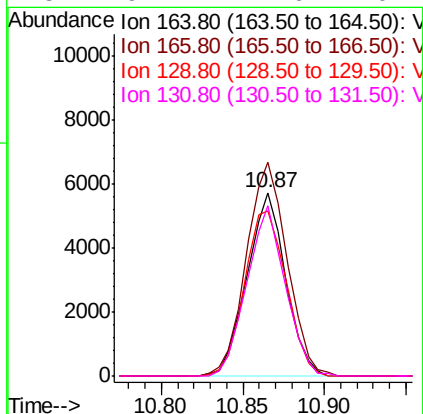
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

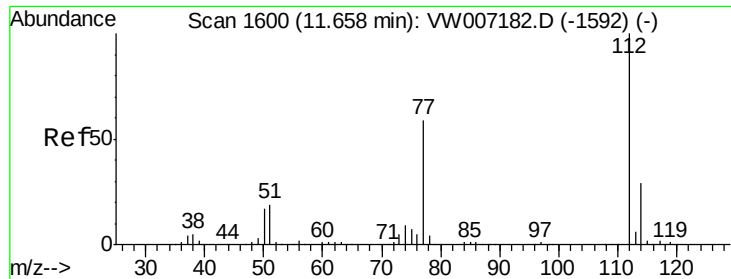
Tot Ion:117 Resp: 28387
Ion Ratio Lower Upper
117 100
82 53.0 47.4 71.2
119 29.5 26.8 40.2



#64
Tetrachloroethene
Concen: 45.458 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion:164 Resp: 9428
Ion Ratio Lower Upper
164 100
166 116.4 101.0 151.4
129 89.7 74.6 111.8
131 92.7 77.6 116.4

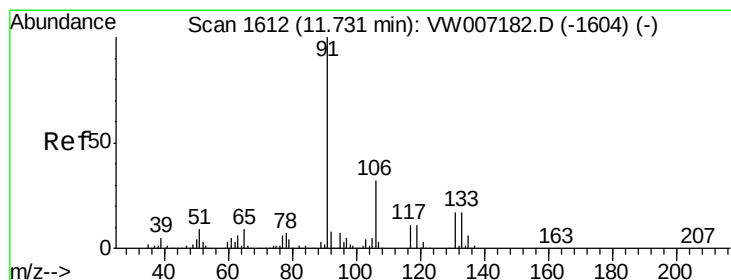
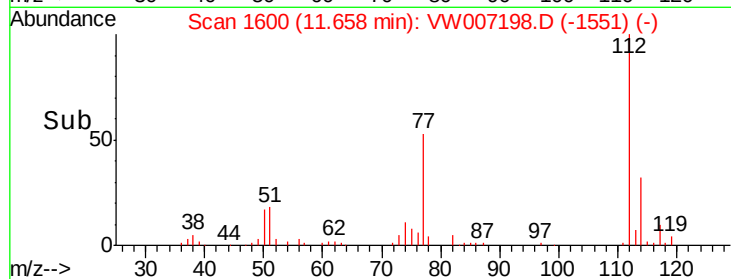
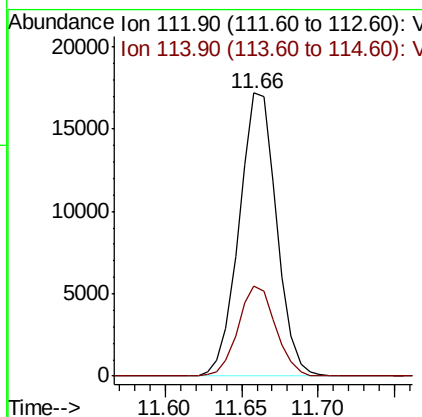
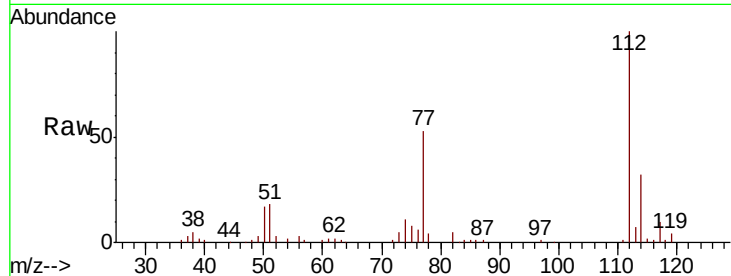




#65
Chlorobenzene
Concen: 46.080 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

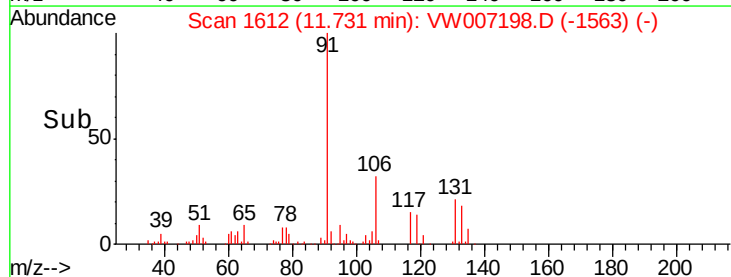
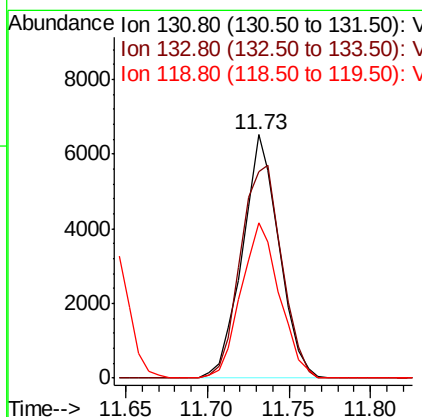
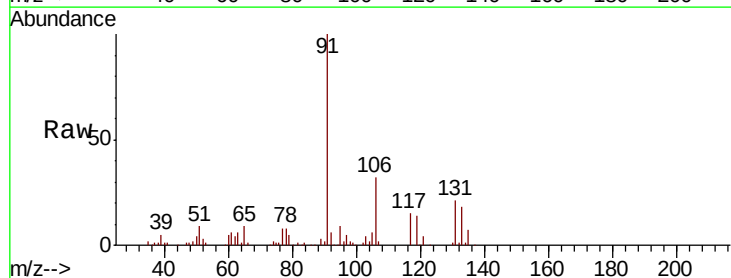
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

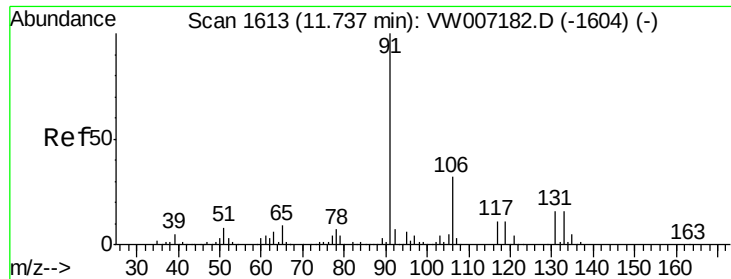
Tot Ion:112 Resp: 29214
Ion Ratio Lower Upper
112 100
114 31.9 23.0 34.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.941 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion:131 Resp: 10170
Ion Ratio Lower Upper
131 100
133 98.3 48.0 144.2
119 67.2 32.8 98.4

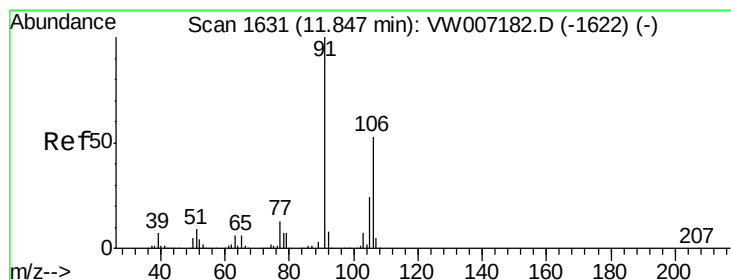
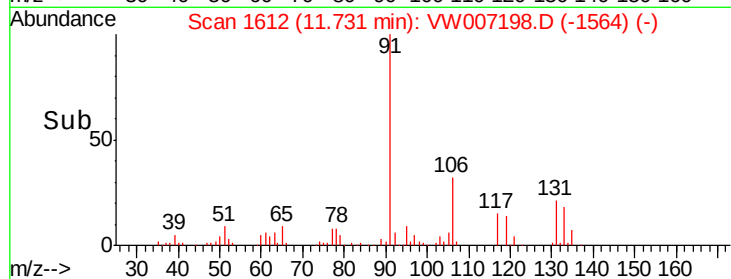
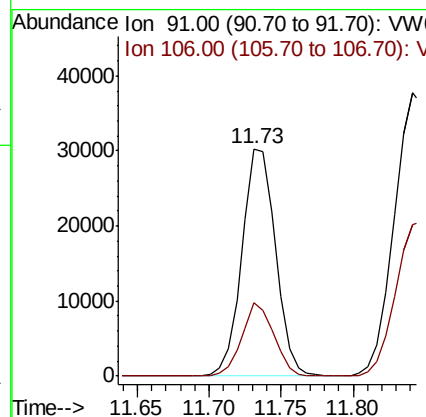
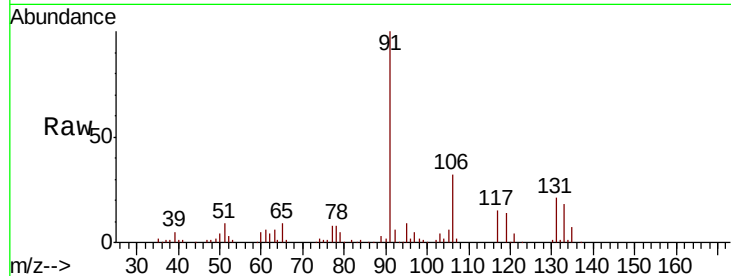




#67
Ethyl Benzene
Concen: 42.420 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

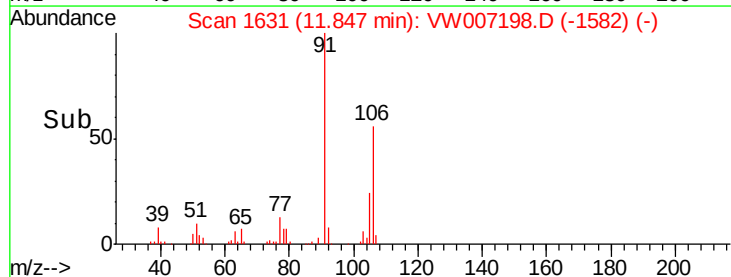
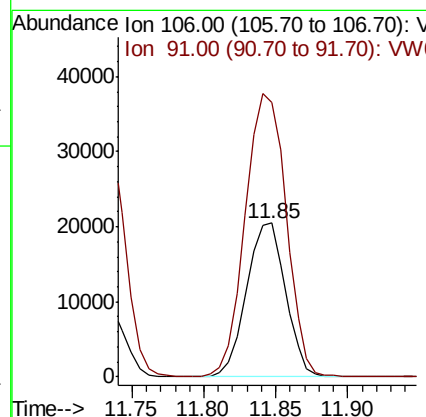
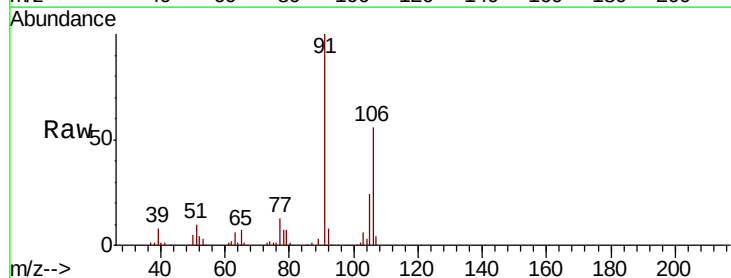
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

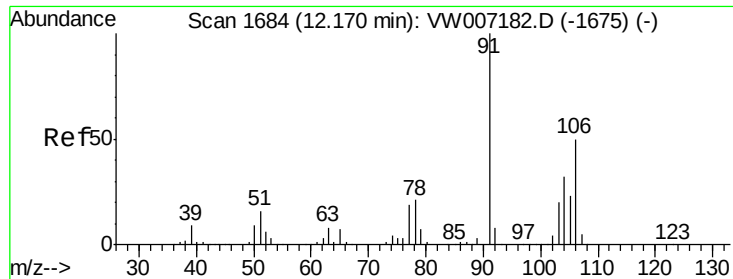
Tot Ion: 91 Resp: 49016
Ion Ratio Lower Upper
91 100
106 32.2 26.0 39.0



#68
m/p-Xylenes
Concen: 84.856 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion:106 Resp: 38466
Ion Ratio Lower Upper
106 100
91 193.6 160.2 240.4

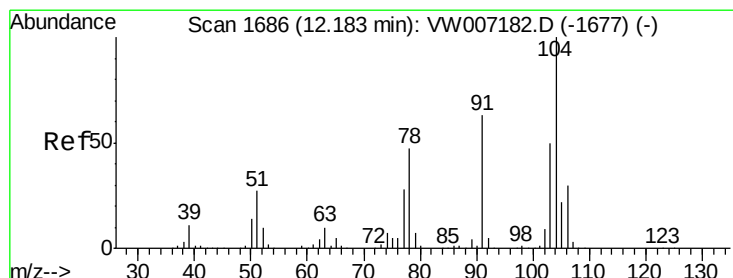
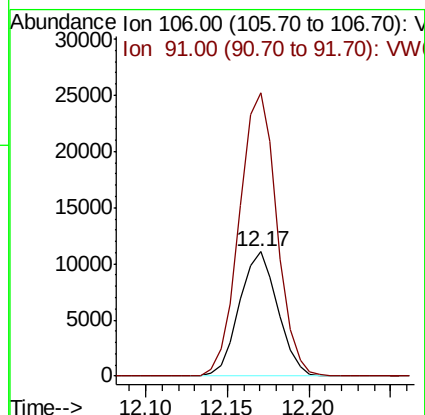
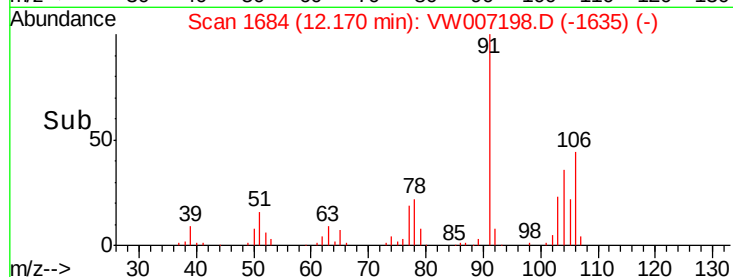
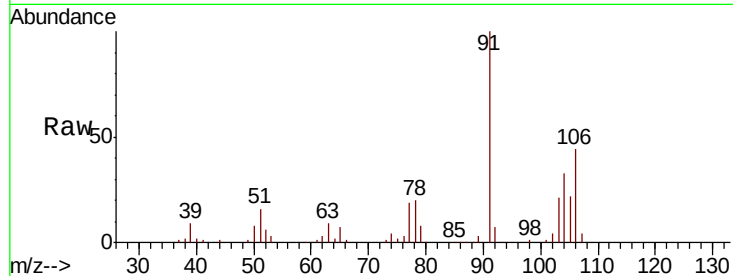




#69
o-Xylene
Concen: 42.845 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

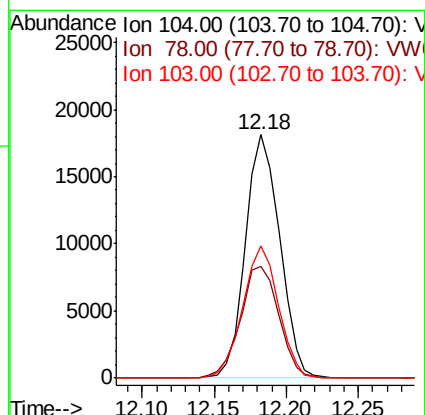
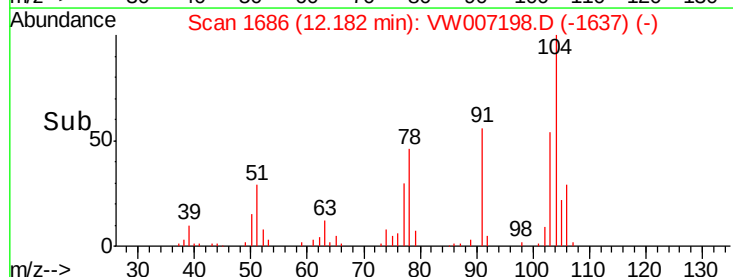
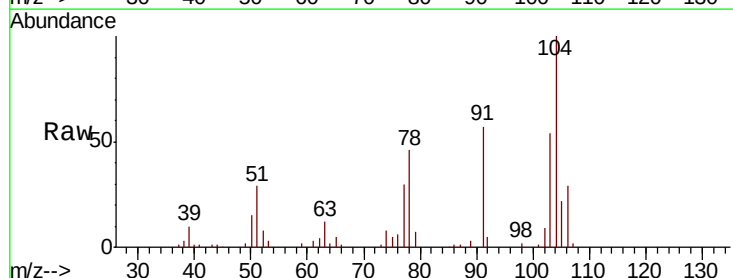
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

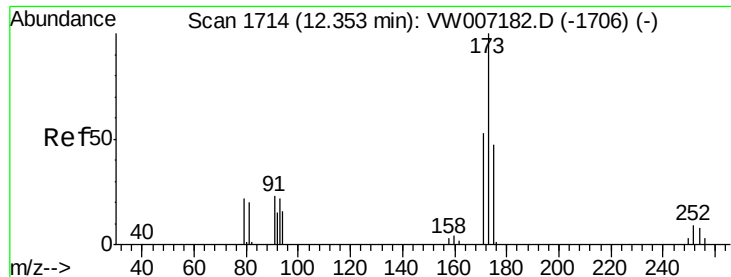
Tot Ion:106 Resp: 18146
Ion Ratio Lower Upper
106 100
91 222.9 104.9 314.7



#70
Styrene
Concen: 43.327 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion:104 Resp: 30038
Ion Ratio Lower Upper
104 100
78 51.2 40.6 60.8
103 56.4 43.0 64.4





#71

Bromoform

Concen: 66.459 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

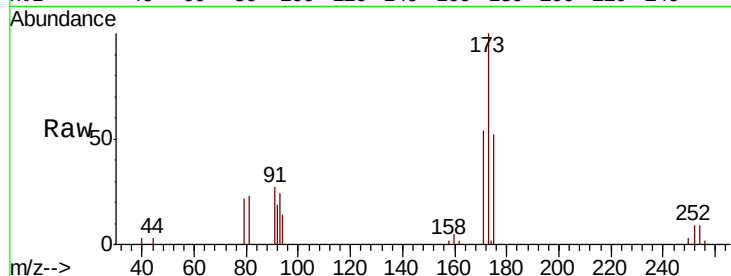
Tot Ion:173 Resp: 6514

Ion Ratio Lower Upper

173 100

175 48.7 24.0 72.0

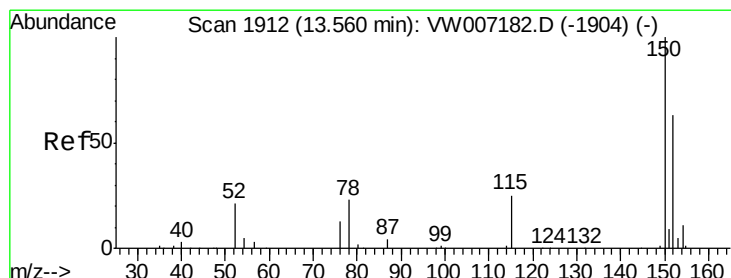
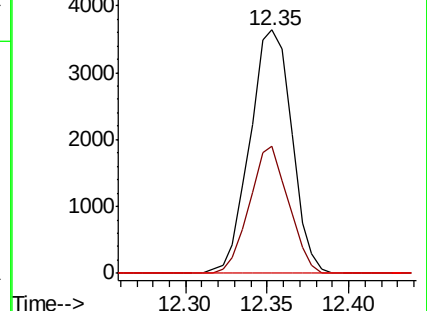
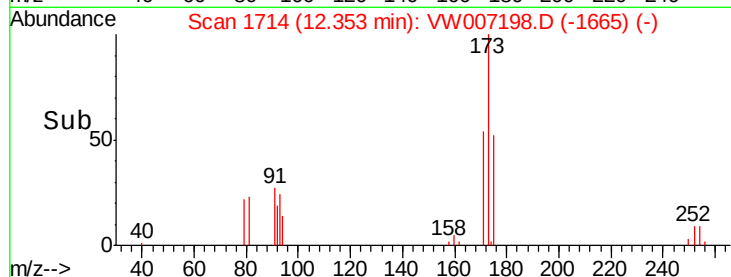
254 0.0 0.0 0.0



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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

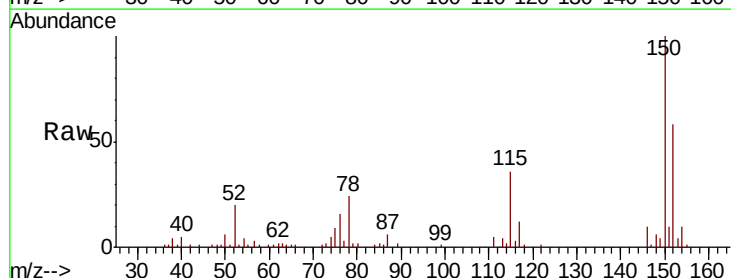
Tgt Ion:152 Resp: 14163

Ion Ratio Lower Upper

152 100

115 60.9 31.3 93.8

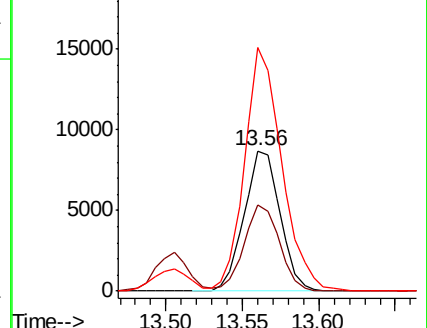
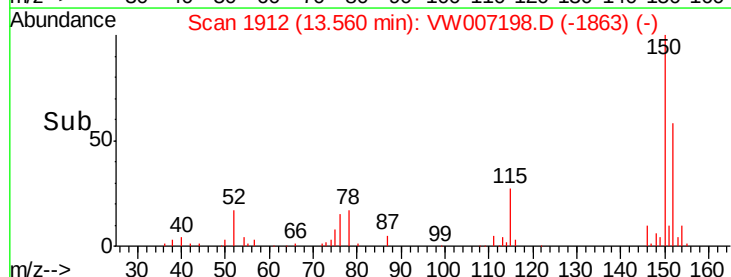
150 180.5 0.0 358.0

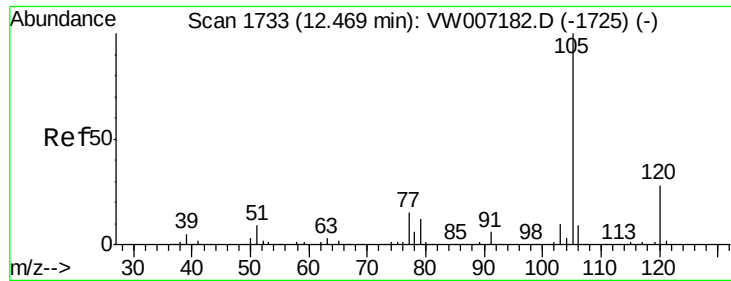


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 42.113 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

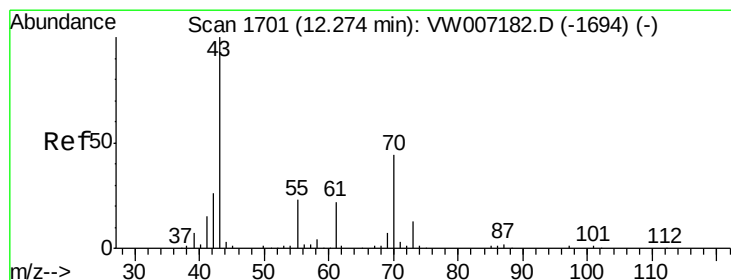
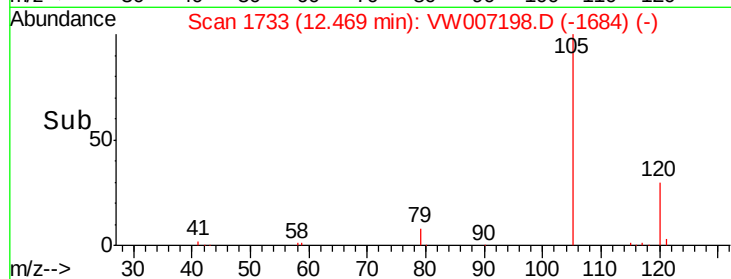
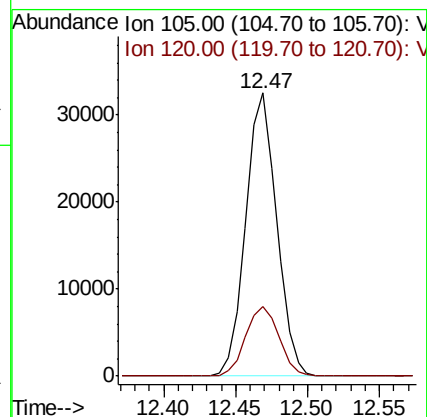
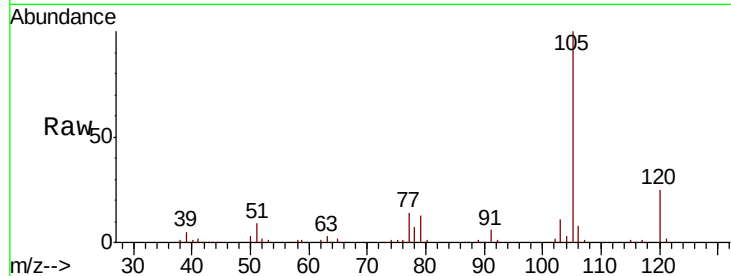
HLSP-SB-5B-(8.5)MSD

Tot Ion:105 Resp: 48511

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



#74

N-ethyl acetate

Concen: 51.456 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Tgt Ion: 43 Resp: 10509

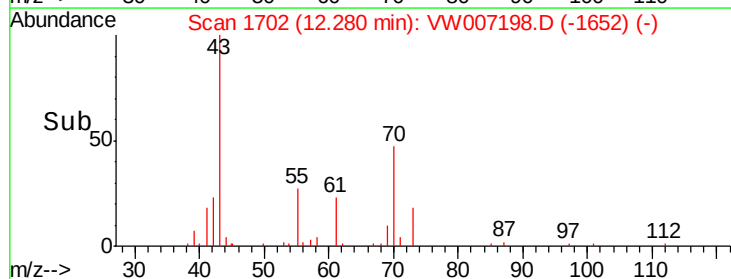
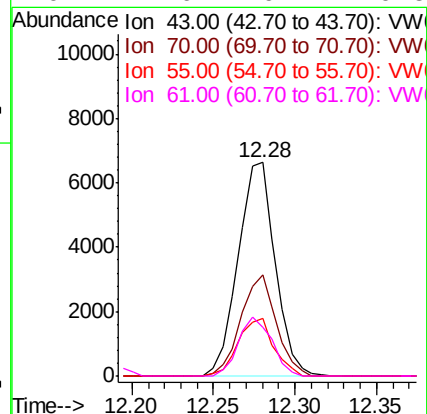
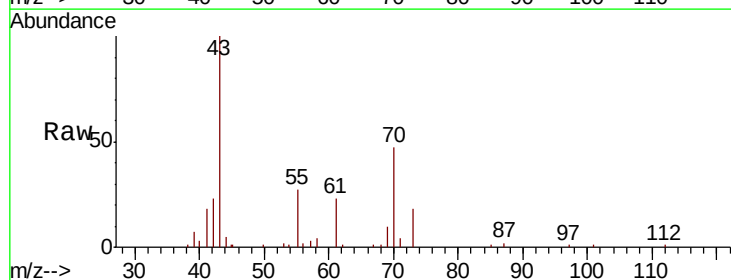
Ion Ratio Lower Upper

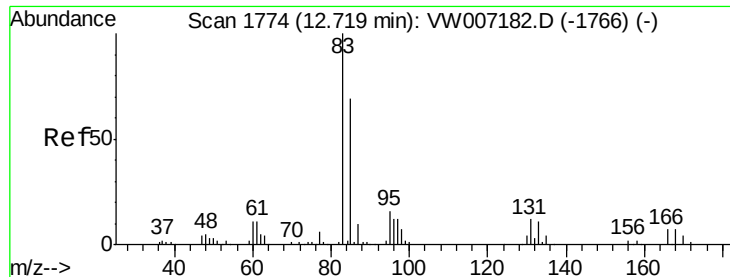
43 100

70 45.1 34.0 51.0

55 25.9 19.0 28.6

61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 70.754 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

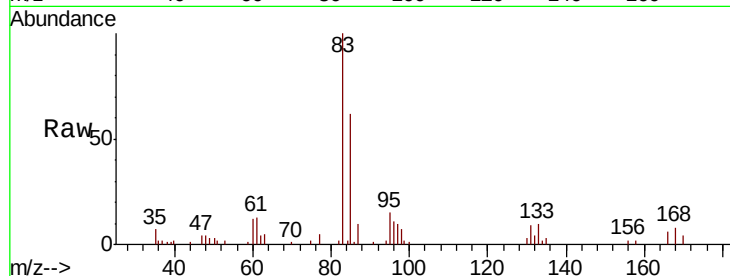
Tot Ion: 83 Resp: 10585

Ion Ratio Lower Upper

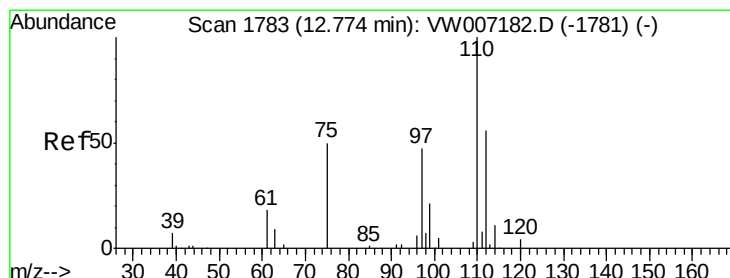
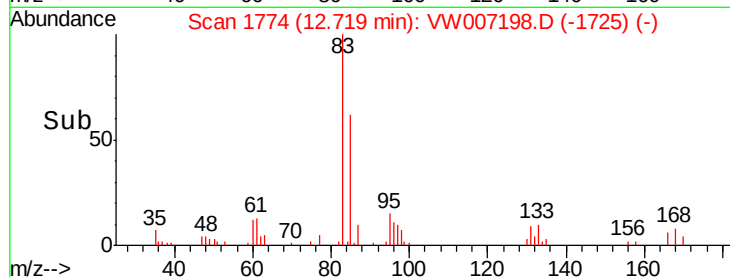
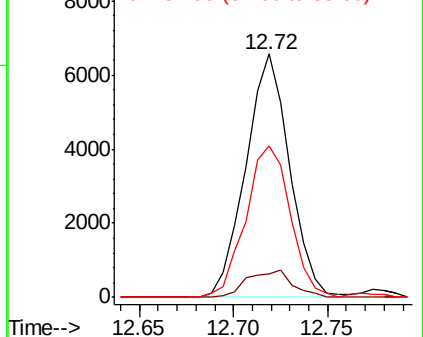
83 100

131 11.4 6.0 18.1

85 63.0 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 64.852 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007198.D

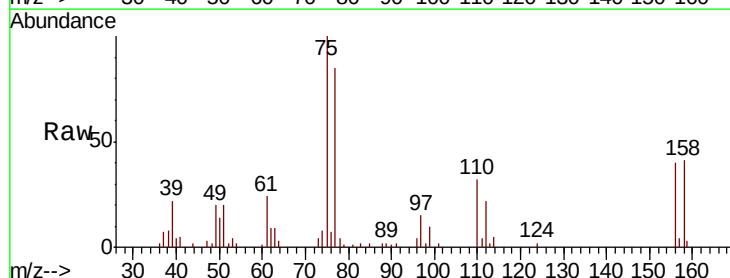
Acq: 04 Dec 2018 19:54

Tgt Ion: 75 Resp: 13803

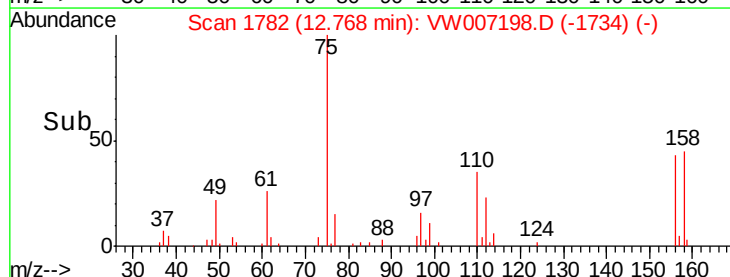
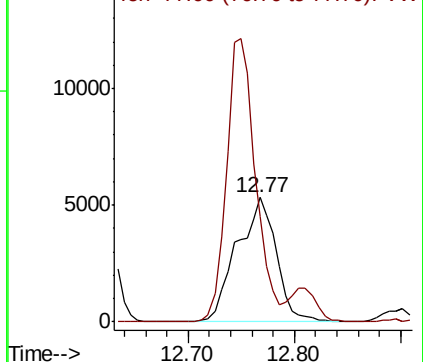
Ion Ratio Lower Upper

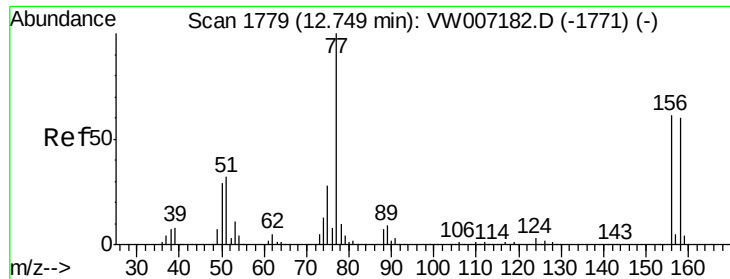
75 100

77 167.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 48.185 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

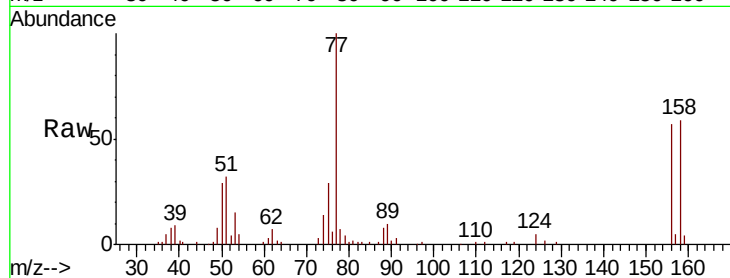
Tot Ion:156 Resp: 11981

Ion Ratio Lower Upper

156 100

77 192.6 92.0 276.1

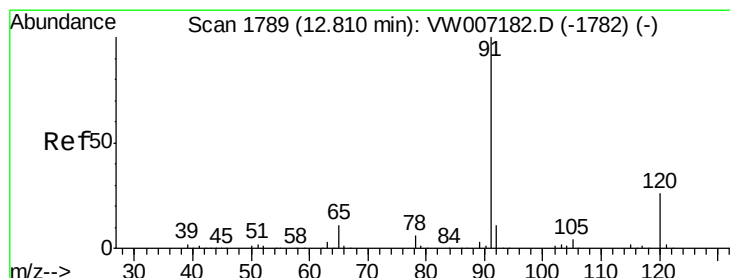
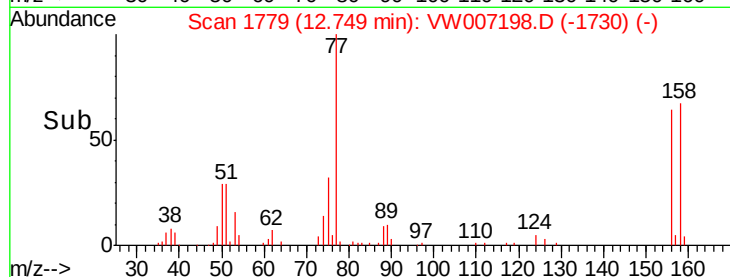
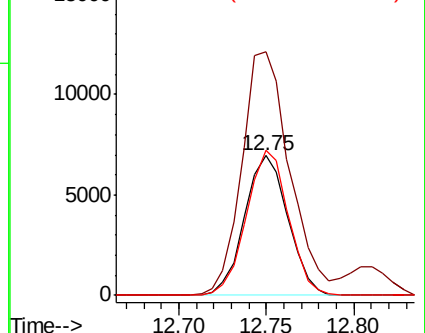
158 100.8 49.0 147.0



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: 39.916 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007198.D

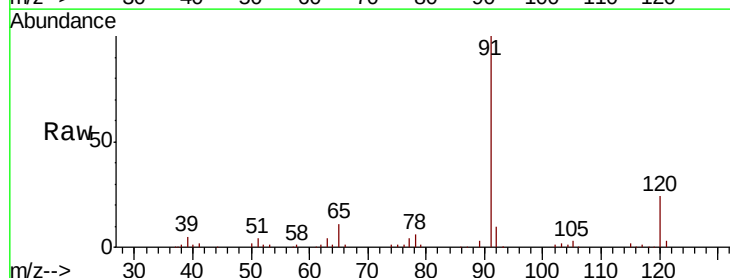
Acq: 04 Dec 2018 19:54

Tgt Ion: 91 Resp: 54780

Ion Ratio Lower Upper

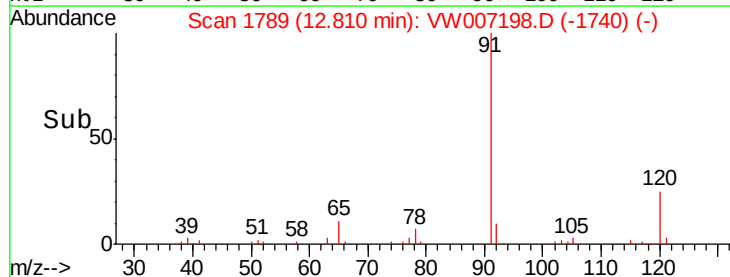
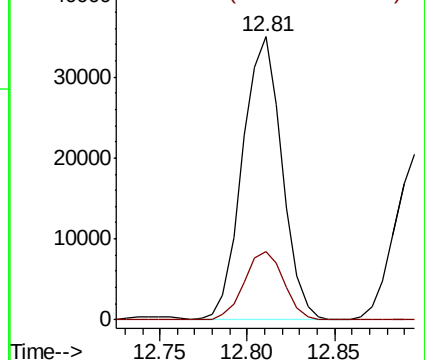
91 100

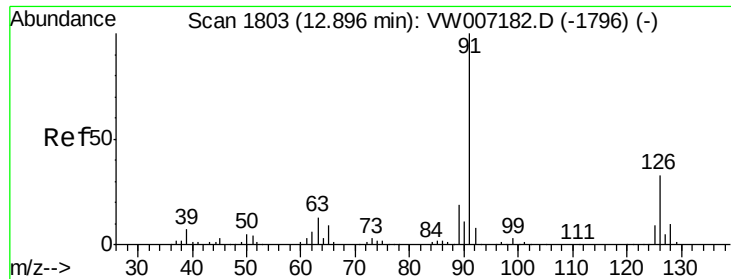
120 24.4 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

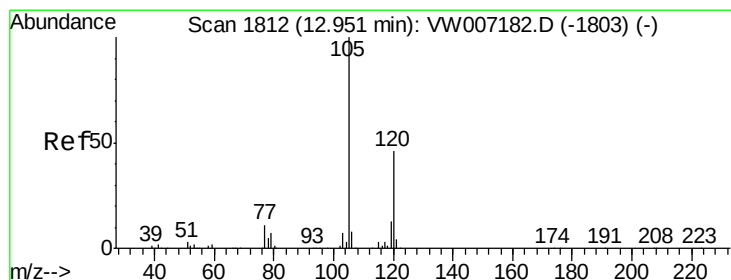
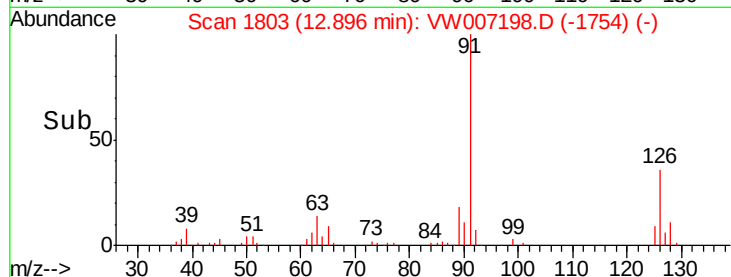
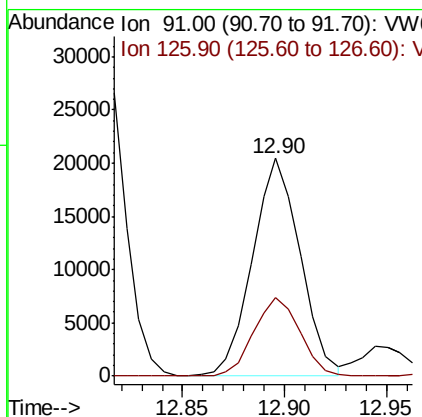
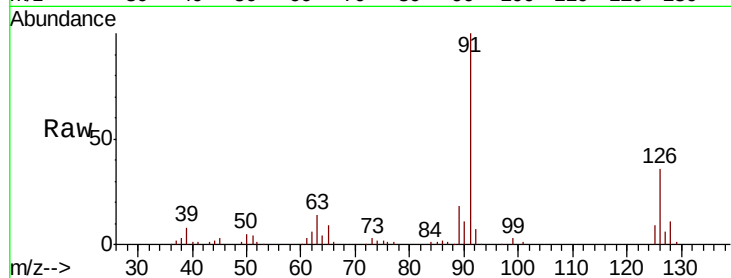




#79
 2-Chlorotoluene
 Concen: 42.682 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

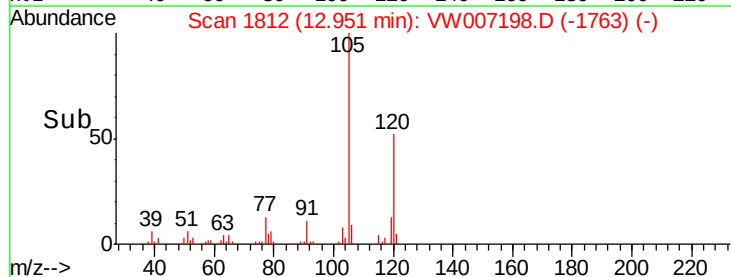
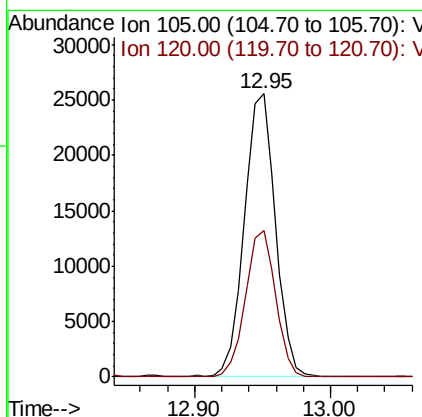
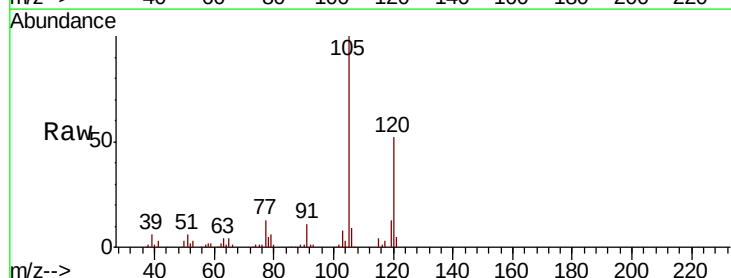
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

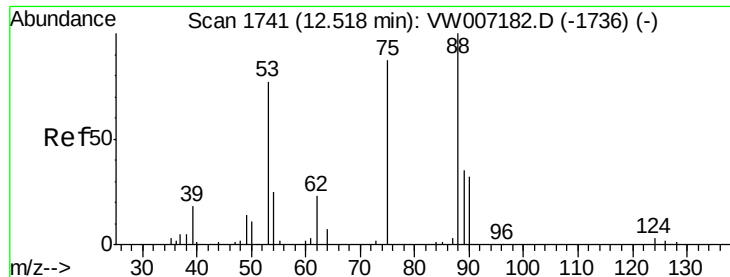
Tot Ion: 91 Resp: 33078
 Ion Ratio Lower Upper
 91 100
 126 35.0 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 41.552 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

Tgt Ion: 105 Resp: 40947
 Ion Ratio Lower Upper
 105 100
 120 49.9 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 56.584 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

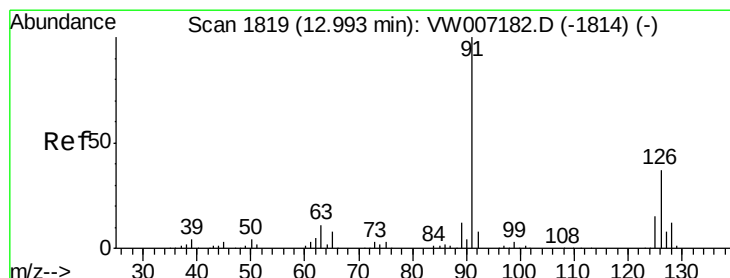
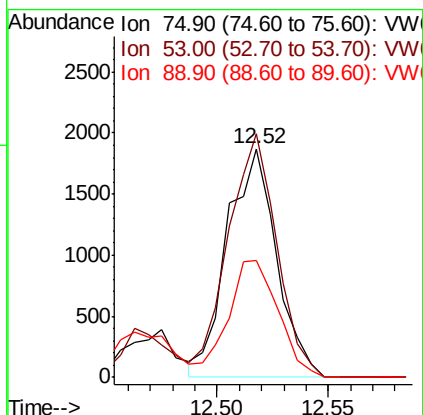
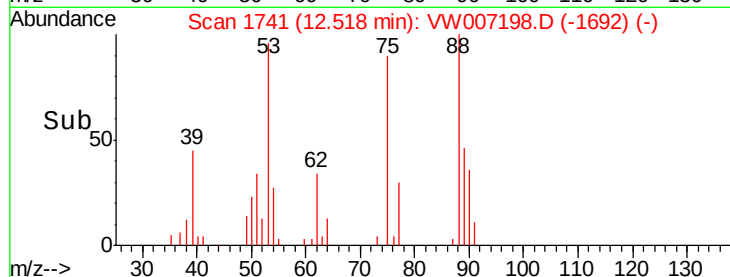
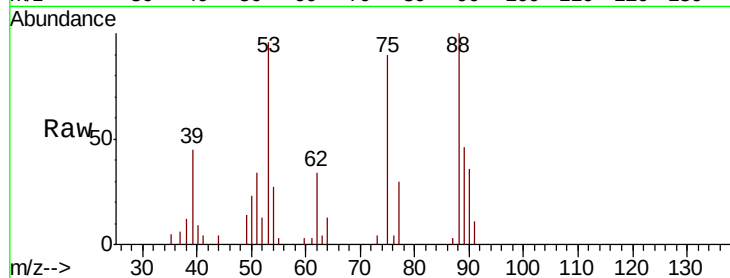
Tot Ion: 75 Resp: 2879

Ion Ratio Lower Upper

75 100

53 105.2 72.8 109.2

89 52.6 36.4 54.6



#82

4-Chlorotoluene

Concen: 43.830 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007198.D

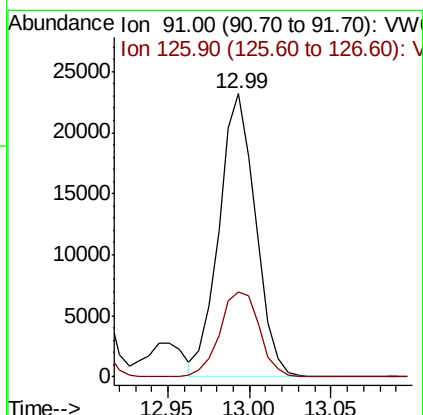
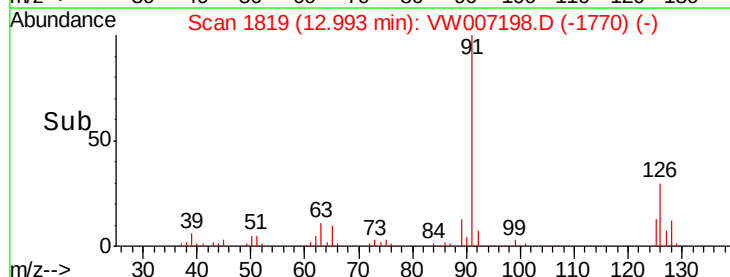
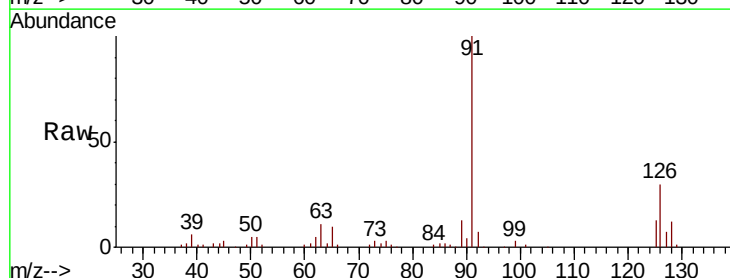
Acq: 04 Dec 2018 19:54

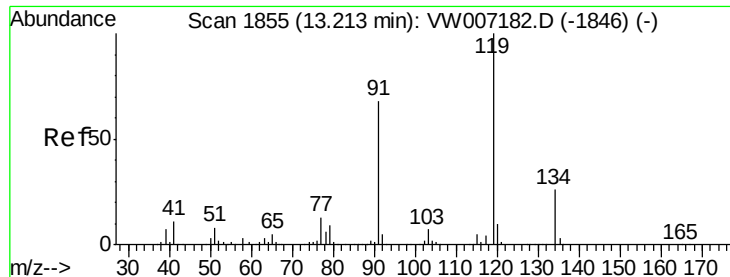
Tgt Ion: 91 Resp: 36136

Ion Ratio Lower Upper

91 100

126 32.5 17.4 52.3

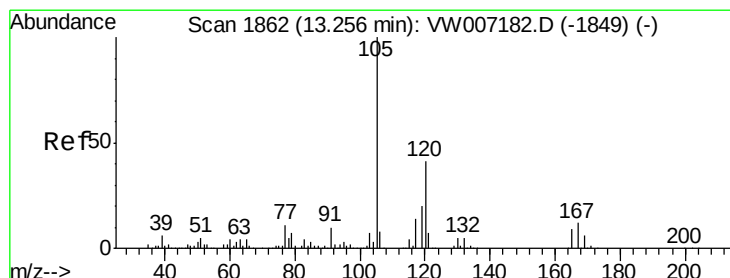
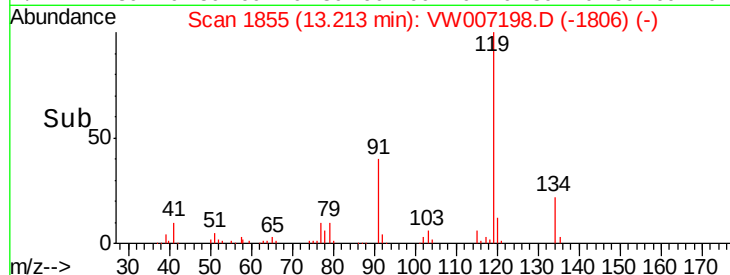
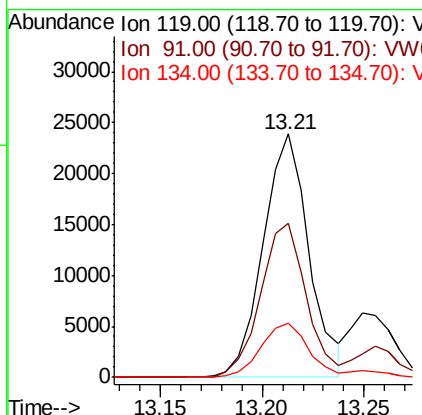
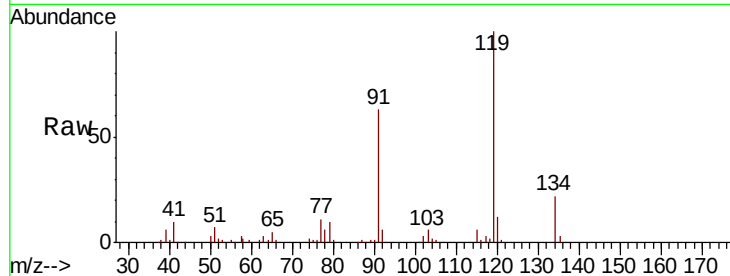




#83
tert-Butylbenzene
Concen: 43.448 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

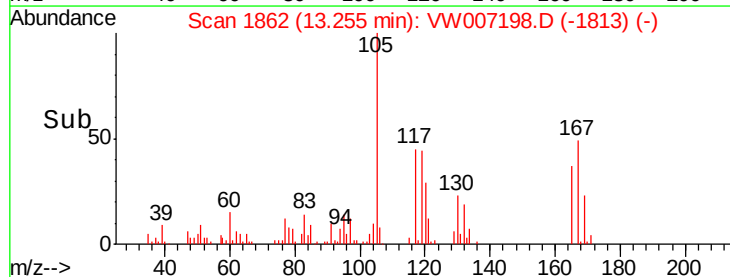
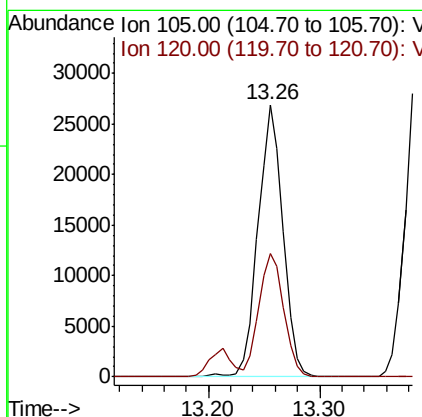
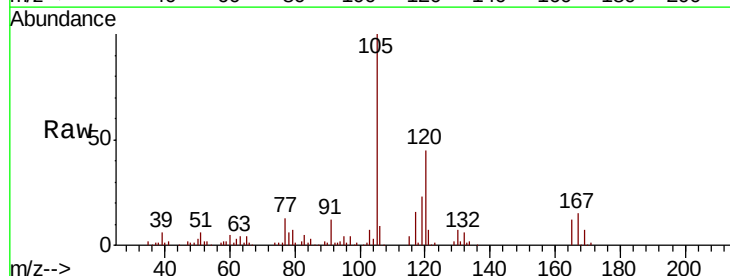
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

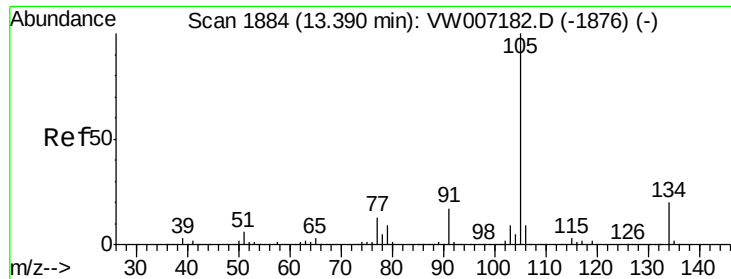
Tot Ion:119 Resp: 37416
Ion Ratio Lower Upper
119 100
91 63.0 34.0 101.8
134 23.3 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 41.800 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion:105 Resp: 42048
Ion Ratio Lower Upper
105 100
120 45.3 21.1 63.3





#85

sec-Butylbenzene

Concen: 39.520 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

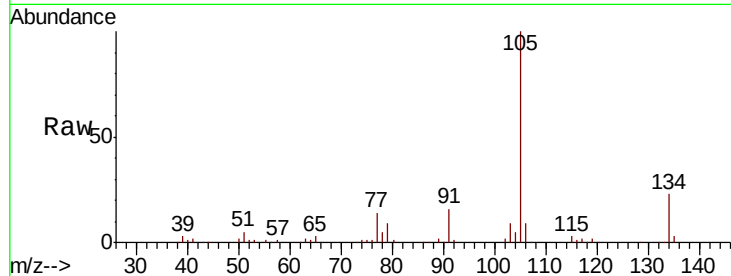
HLSP-SB-5B-(8.5)MSD

Tot Ion:105 Resp: 48587

Ion Ratio Lower Upper

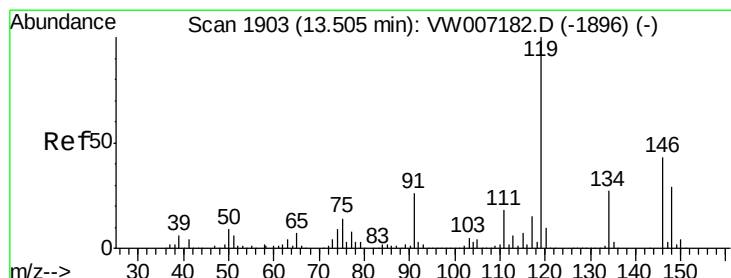
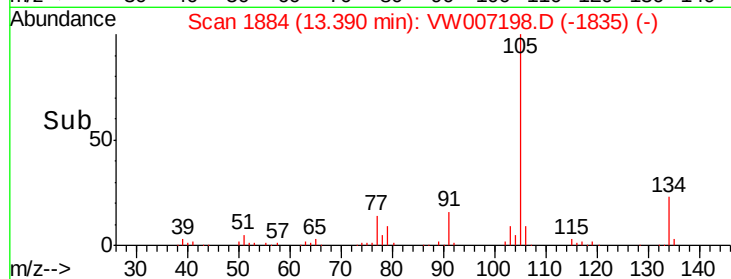
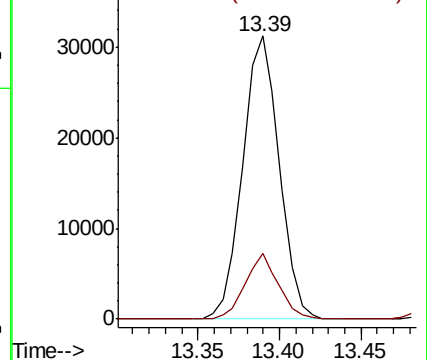
105 100

134 21.1 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 39.718 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007198.D

Acq: 04 Dec 2018 19:54

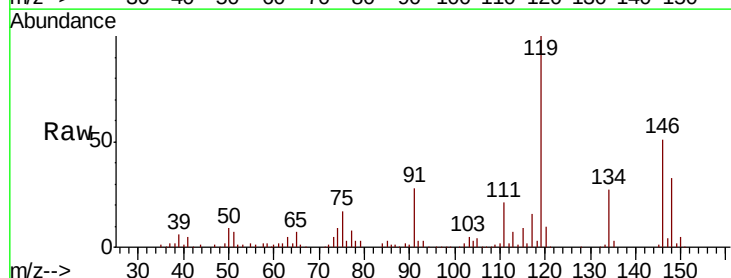
Tgt Ion:119 Resp: 43469

Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.6

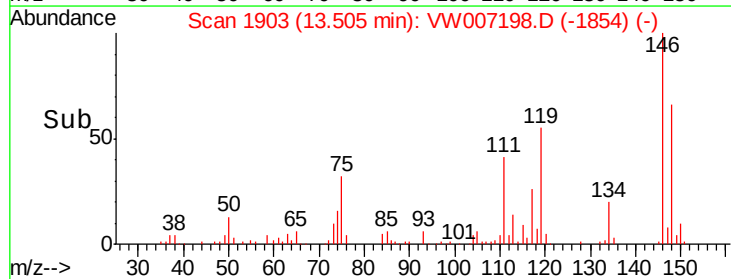
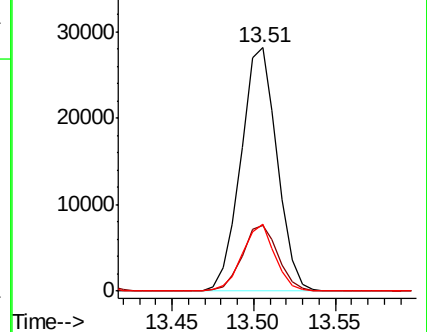
91 25.0 12.4 37.2

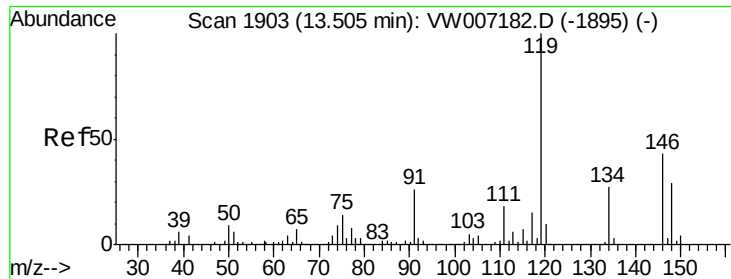


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

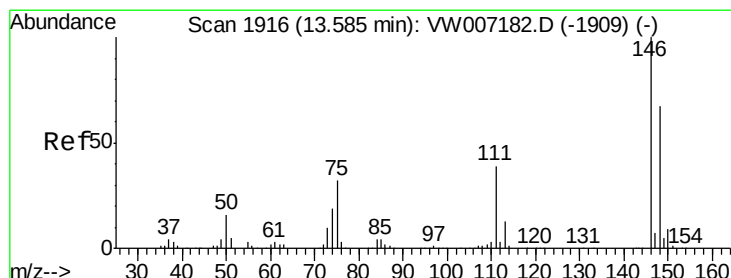
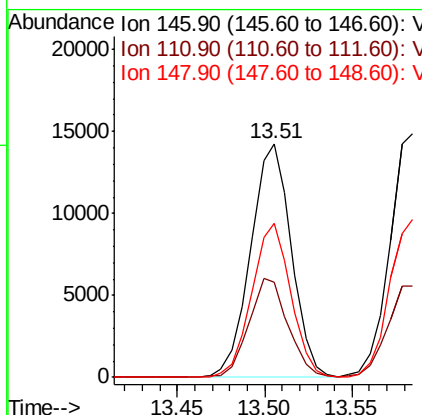
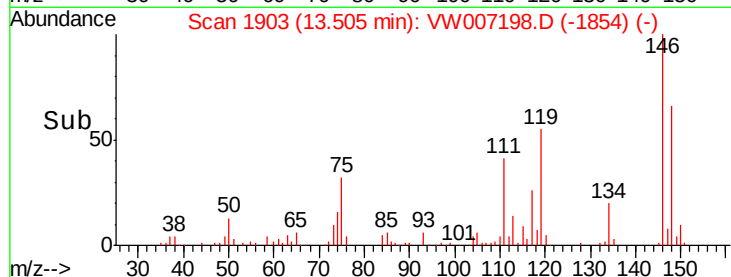
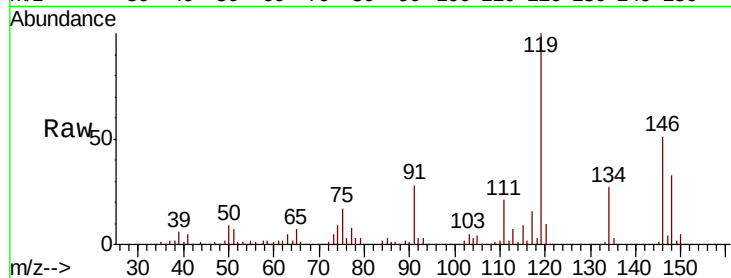




#87
 1,3-Dichlorobenzene
 Concen: 45.481 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

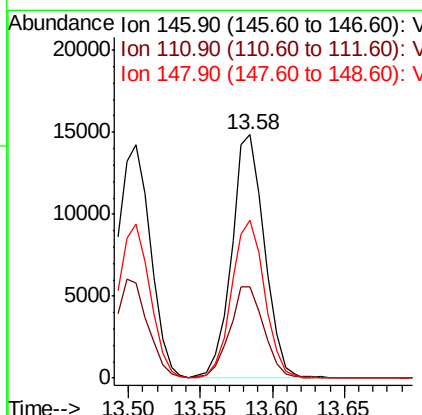
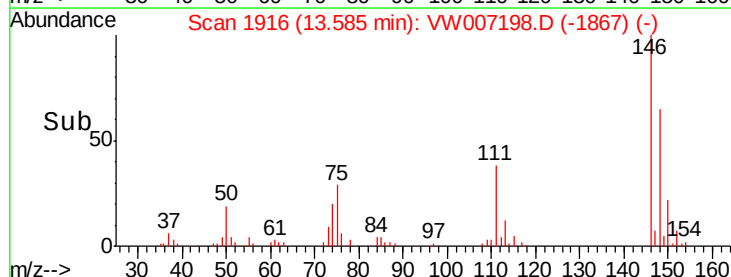
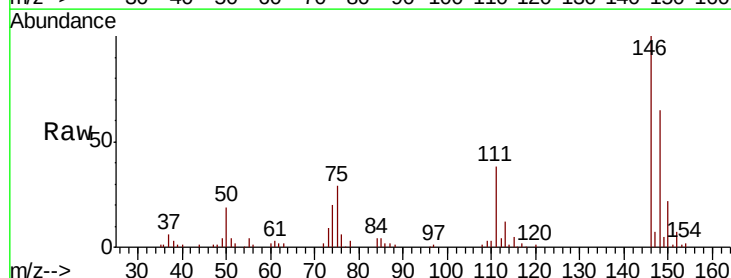
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

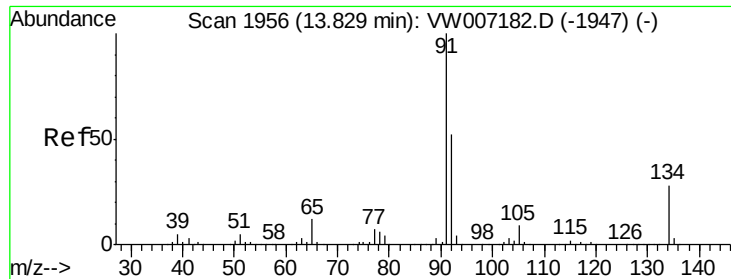
Tot Ion:146 Resp: 23215
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.1 63.4
 148 63.0 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 45.710 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

Tgt Ion:146 Resp: 23568
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.6 58.8
 148 65.2 32.6 98.0

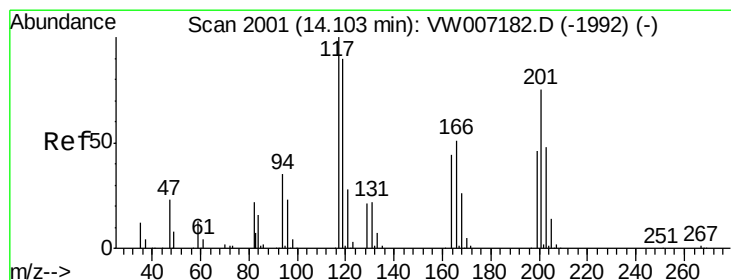
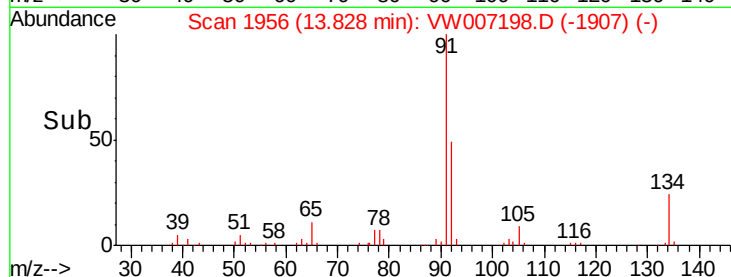
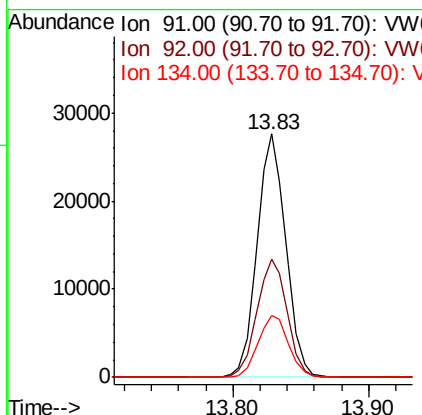
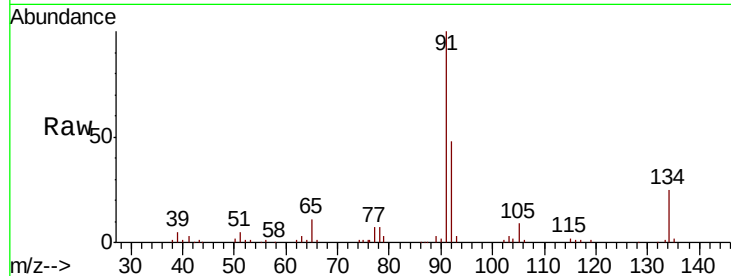




#89
n-Butylbenzene
Concen: 40.044 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

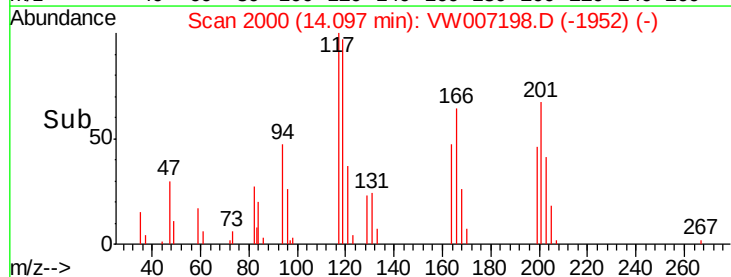
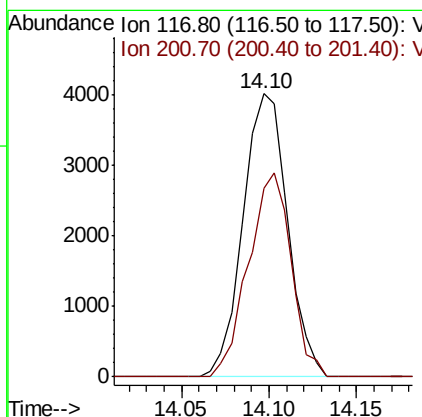
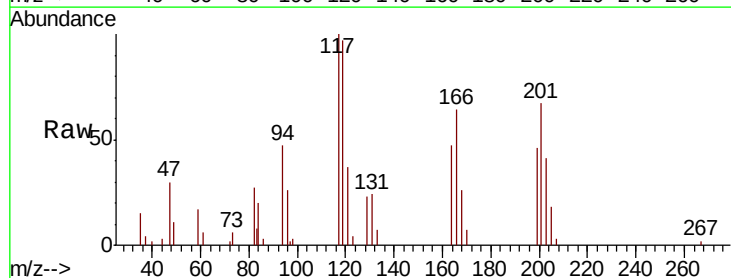
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

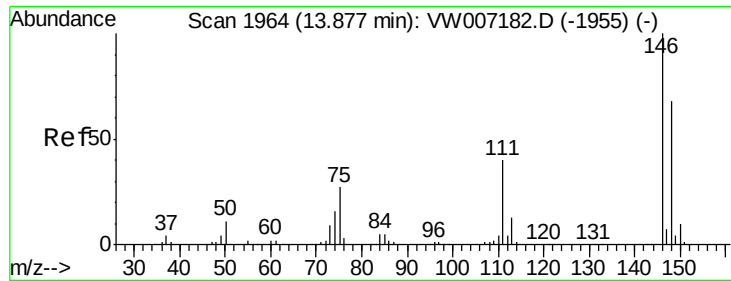
Tot Ion: 91 Resp: 40953
Ion Ratio Lower Upper
91 100
92 51.0 26.5 79.5
134 26.8 14.1 42.2



#90
Hexachloroethane
Concen: 42.572 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion: 117 Resp: 7100
Ion Ratio Lower Upper
117 100
201 69.1 36.0 108.1

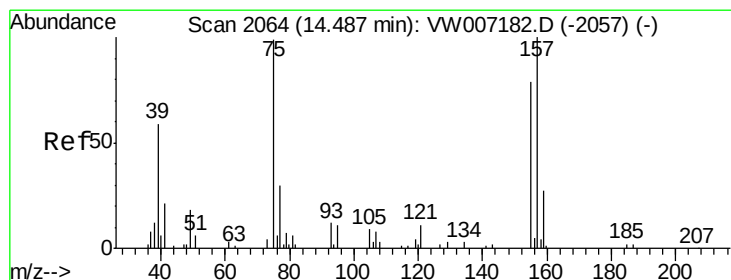
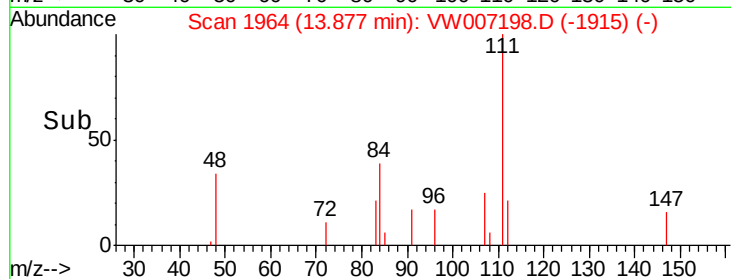
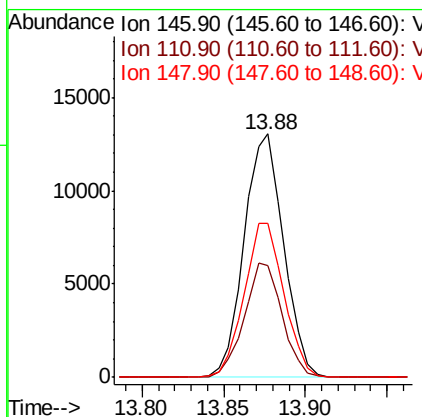
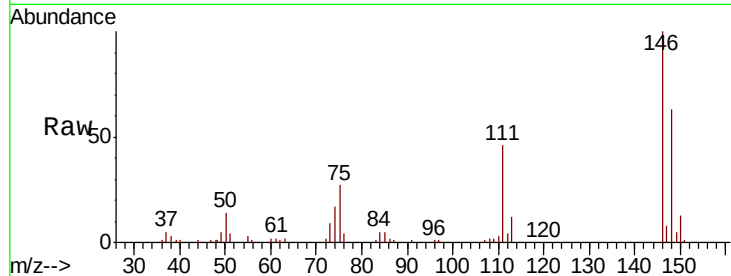




#91
 1,2-Dichlorobenzene
 Concen: 49.725 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

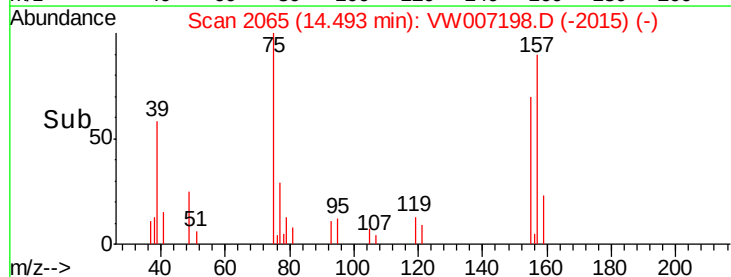
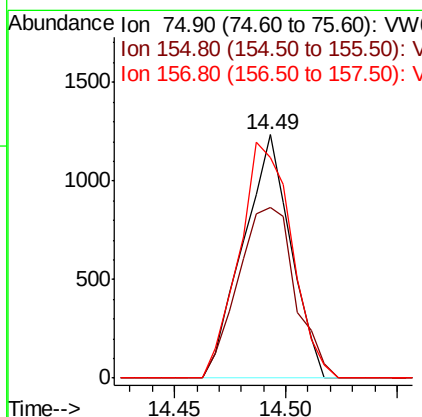
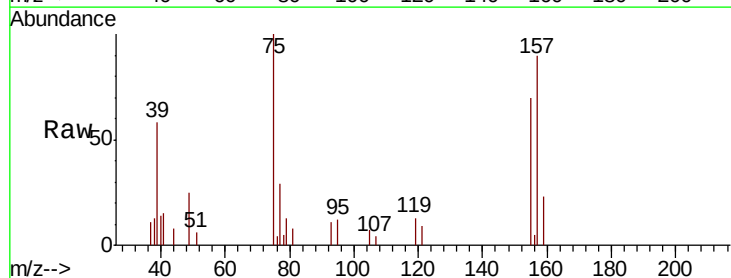
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

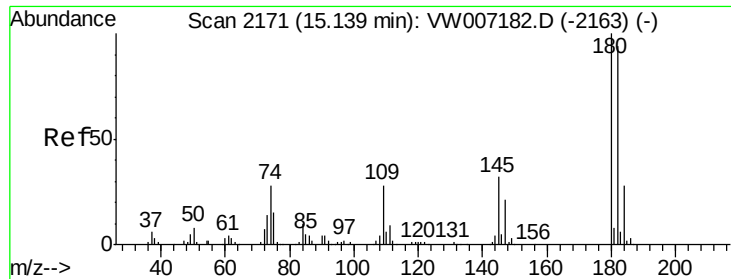
Tot Ion:146 Resp: 21973
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.6 65.0
 148 63.8 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.214 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

Tgt Ion: 75 Resp: 1832
 Ion Ratio Lower Upper
 75 100
 155 84.5 42.4 127.2
 157 106.9 55.3 165.9

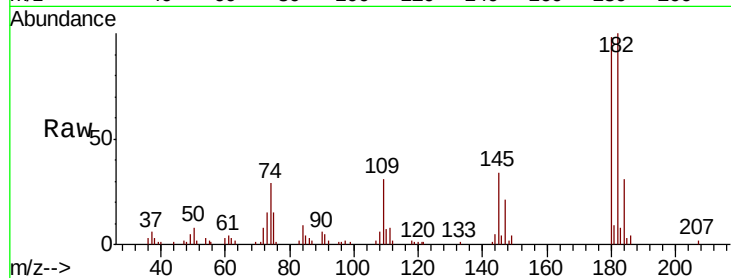




#93
 1,2,4-Trichlorobenzene
 Concen: 44.137 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.9	143.8
145	33.6	16.6	49.7

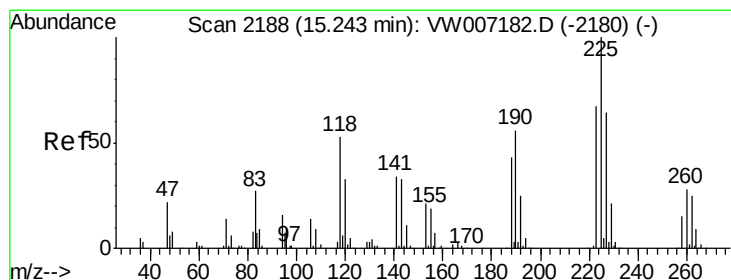
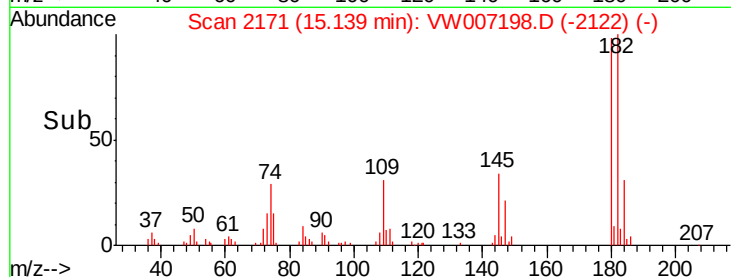
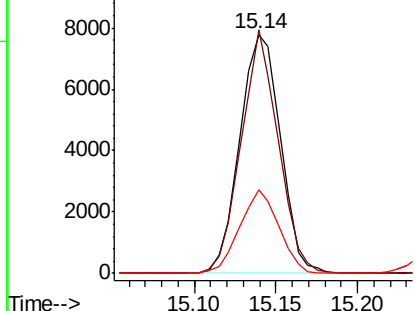


Abundance

Ion 179.80 (179.50 to 180.50): V

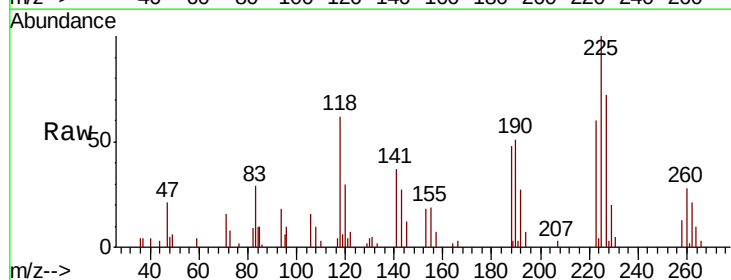
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 39.428 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007198.D
 Acq: 04 Dec 2018 19:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	32.3	96.8
227	68.8	32.1	96.3

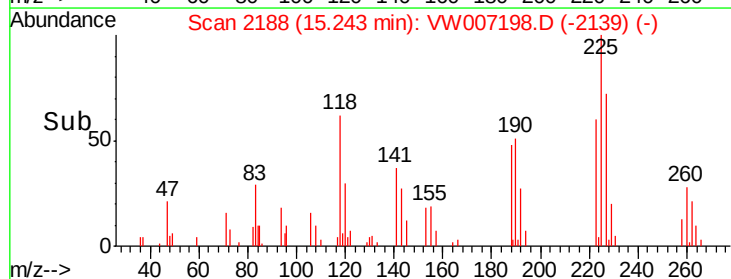
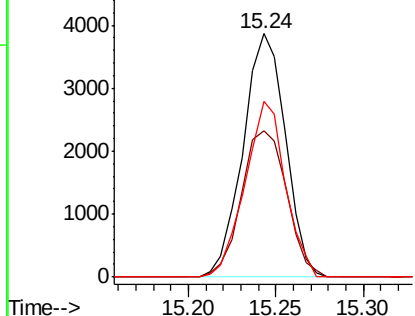


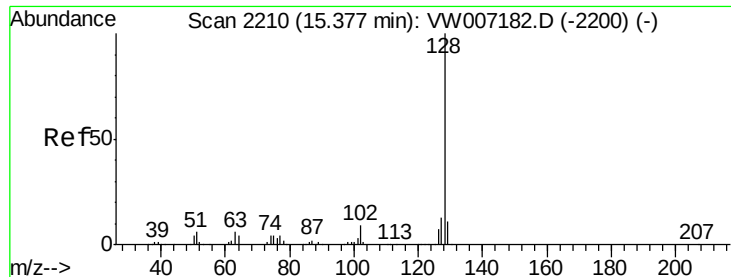
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

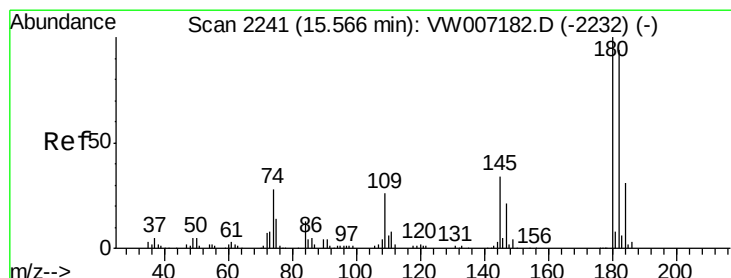
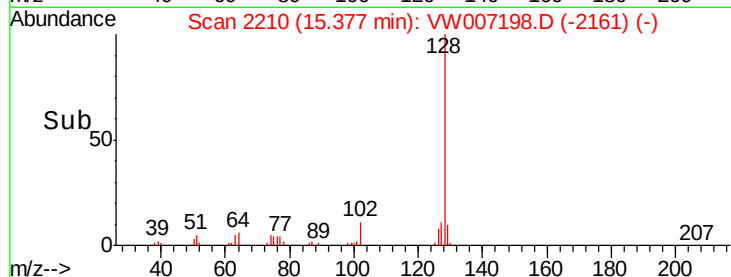
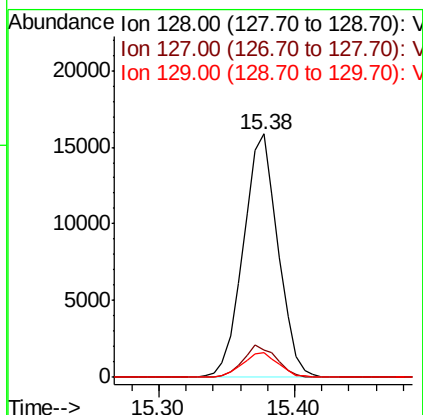
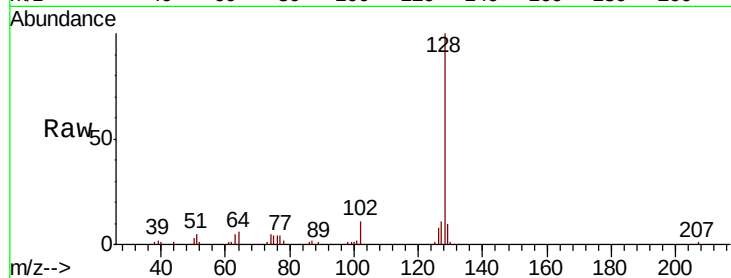




#95
Naphthalene
Concen: 51.473 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

Tot Ion:128 Resp: 28250
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 45.593 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007198.D
Acq: 04 Dec 2018 19:54

Tgt Ion:180 Resp: 11773
Ion Ratio Lower Upper
180 100
182 95.6 47.4 142.2
145 37.6 17.6 52.8

