

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120518\
 Data File : VW007251.D
 Acq On : 05 Dec 2018 23:51
 Operator : SY/AP
 Sample : J6206-06MSD
 Misc : 5.65G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Dec 06 06:24:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	31467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	53576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	47614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	23159	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	19163	65.41	ug/l	0.00
Spiked Amount			Recovery	=	130.82%	
35) Dibromofluoromethane	7.89	113	17630	57.47	ug/l	0.00
Spiked Amount			Recovery	=	114.94%	
50) Toluene-d8	10.33	98	68713	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.62	95	25999	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	13383	38.873	ug/l	99
3) Chloromethane	2.21	50	16842	38.630	ug/l	98
4) Vinyl Chloride	2.36	62	11831	43.341	ug/l	99
5) Bromomethane	2.78	94	8852	64.713	ug/l	93
6) Chloroethane	2.93	64	7333	47.877	ug/l	99
7) Trichlorofluoromethane	3.27	101	25328	47.591	ug/l	98
8) Diethyl Ether	3.69	74	9138	61.599	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	14554	45.270	ug/l	96
10) Methyl Iodide	4.28	142	6979	25.483	ug/l	98
11) Tert butyl alcohol	5.17	59	5395	188.247	ug/l #	75
12) 1,1-Dichloroethene	4.05	96	13466	44.695	ug/l	95
13) Acrolein	3.90	56	3851	187.595	ug/l	98
14) Allyl chloride	4.68	41	23616	48.901	ug/l	99
15) Acrylonitrile	5.37	53	16302	262.865	ug/l	98
16) Acetone	4.14	43	13339	192.326	ug/l	96
17) Carbon Disulfide	4.38	76	43734	44.037	ug/l	98
18) Methyl Acetate	4.68	43	19307	121.955	ug/l	96
19) Methyl tert-butyl Ether	5.44	73	41728	58.825	ug/l	98
20) Methylene Chloride	4.92	84	21168	61.841	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	16546	49.183	ug/l	99
22) Diisopropyl ether	6.32	45	52432	60.479	ug/l	95
23) Vinyl Acetate	6.27	43	50859	107.514	ug/l	99
24) 1,1-Dichloroethane	6.23	63	29761	53.560	ug/l	98
25) 2-Butanone	7.18	43	19947	248.103	ug/l	100
26) 2,2-Dichloropropane	7.17	77	24136	45.200	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	19127	53.037	ug/l	99
28) Bromochloromethane	7.52	49	12391	61.843	ug/l	99
29) Tetrahydrofuran	7.54	42	13578	273.296	ug/l	99
30) Chloroform	7.68	83	32845	56.876	ug/l	97
31) Cyclohexane	7.96	56	25070	43.121	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	27879	51.299	ug/l	99
36) 1,1-Dichloropropene	8.09	75	23455	44.993	ug/l	99
37) Ethyl Acetate	7.26	43	6463	34.274	ug/l	94
38) Carbon Tetrachloride	8.07	117	23143	43.495	ug/l	95

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

39) Methylcyclohexane	9.34	83	27794	39.828	ug/l	98
40) Benzene	8.33	78	71572	50.068	ug/l	100
41) Methacrylonitrile	7.49	41	5759	50.988	ug/l	96
42) 1,2-Dichloroethane	8.40	62	21827	54.635	ug/l	100
43) Isopropyl Acetate	8.43	43	16496	45.042	ug/l	98
44) Trichloroethene	9.10	130	19759	49.174	ug/l	91
45) 1,2-Dichloropropane	9.37	63	17339	52.124	ug/l	91
46) Dibromomethane	9.46	93	9574	55.387	ug/l	97
47) Bromodichloromethane	9.65	83	24441	53.754	ug/l	97
48) Methyl methacrylate	9.44	41	10711	56.350	ug/l #	89
49) 1,4-Dioxane	9.45	88	2532	838.521	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	47547	263.443	ug/l	98
52) Toluene	10.39	92	47189	47.456	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	25086	54.877	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	28472	53.147	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	13335	54.235	ug/l	95
56) Ethyl methacrylate	10.65	69	12898	40.215	ug/l	98
57) 1,3-Dichloropropane	10.93	76	22992	55.388	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	36199	280.996	ug/l	99
59) 2-Hexanone	10.97	43	31828	243.268	ug/l	98
60) Dibromochloromethane	11.13	129	16634	55.045	ug/l	99
61) 1,2-Dibromoethane	11.24	107	13430	56.949	ug/l	99
64) Tetrachloroethene	10.87	164	16550	47.575	ug/l	95
65) Chlorobenzene	11.66	112	53910	50.696	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	18168	55.320	ug/l	98
67) Ethyl Benzene	11.73	91	88560	45.693	ug/l	92
68) m/p-Xylenes	11.85	106	67590	88.894	ug/l	95
69) o-Xylene	12.17	106	32067	45.140	ug/l	90
70) Styrene	12.18	104	53815	46.278	ug/l	97
71) Bromoform	12.35	173	9432	57.371	ug/l #	98
73) Isopropylbenzene	12.47	105	87090	46.236	ug/l	98
74) N-amyl acetate	12.28	43	10343	30.971	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	14682	60.018	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	20123	112.217	ug/l #	100
77) Bromobenzene	12.75	156	22433	55.175	ug/l	95
78) n-propylbenzene	12.81	91	96720	43.100	ug/l	100
79) 2-Chlorotoluene	12.90	91	62447	49.278	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	71197	44.184	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.52	75	4268	51.299	ug/l	94
82) 4-Chlorotoluene	12.99	91	64214	47.632	ug/l	97
83) tert-Butylbenzene	13.21	119	64785	46.006	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	75713	46.030	ug/l	96
85) sec-Butylbenzene	13.39	105	84533	42.050	ug/l	99
86) p-Isopropyltoluene	13.51	119	78323	43.766	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	40470	48.487	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	40008	47.454	ug/l	99
89) n-Butylbenzene	13.83	91	66595	39.822	ug/l	99
90) Hexachloroethane	14.10	117	13065	47.908	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	36849	50.998	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2451	51.721	ug/l	94

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QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration

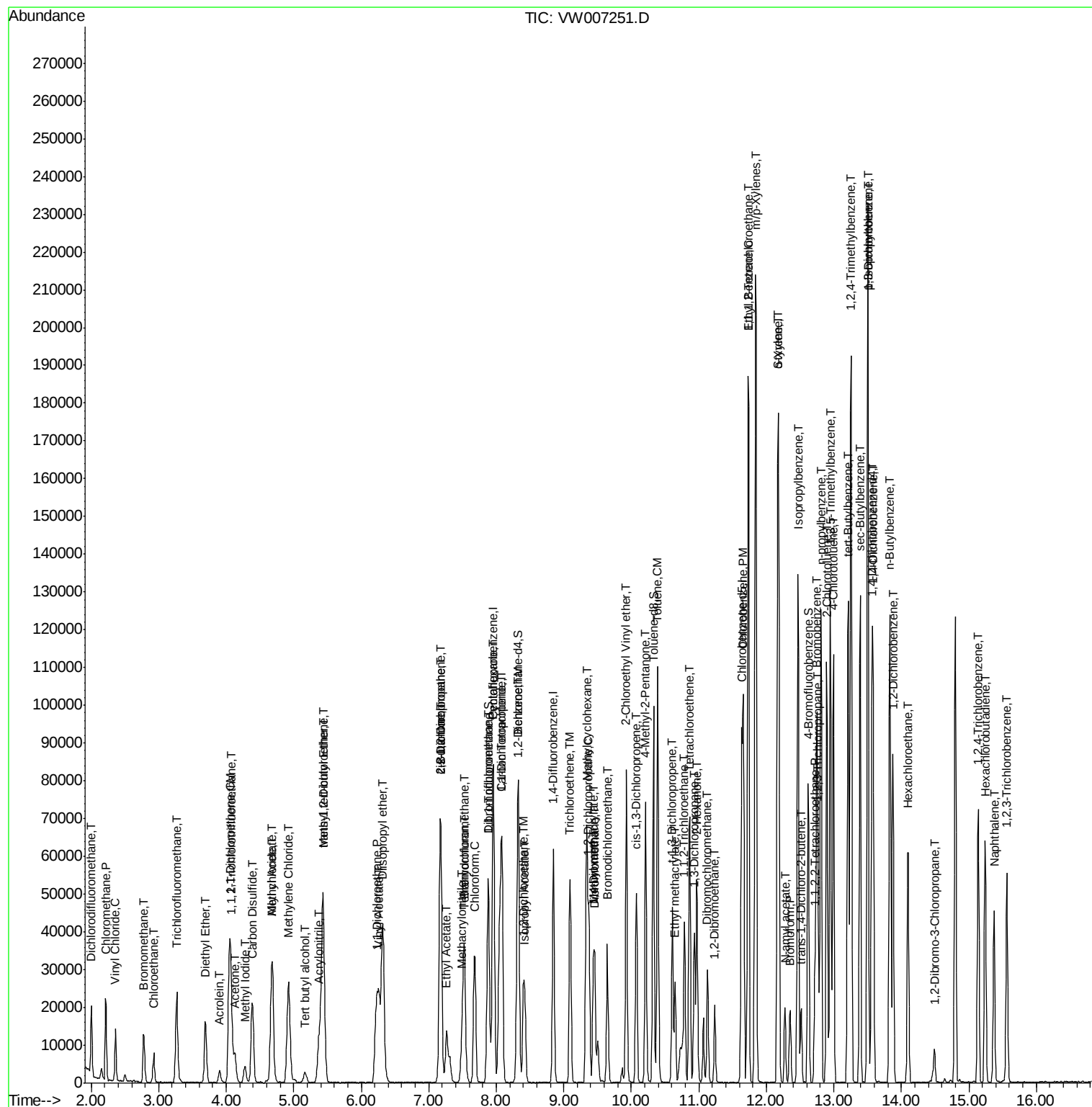
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	22373	44.680	ug/l	99
94) Hexachlorobutadiene	15.24	225	11689	43.288	ug/l	99
95) Naphthalene	15.38	128	40699	45.351	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	19453	46.071	ug/l	98

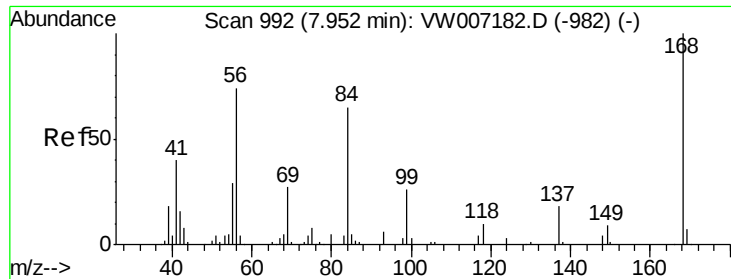
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

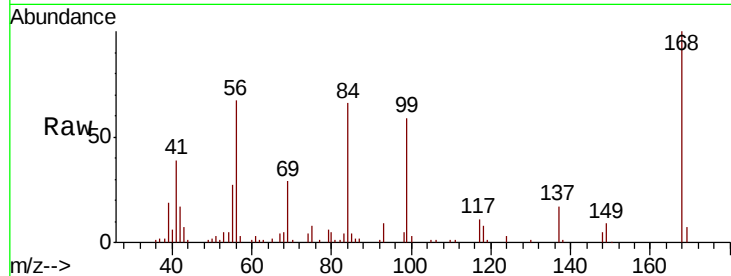
HLSP-SB-5B-(8.5)MSD

Tot Ion:168 Resp: 31467

Ion Ratio Lower Upper

168 100

99 58.9 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

15000

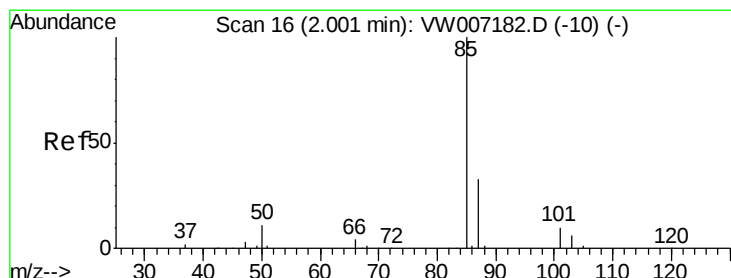
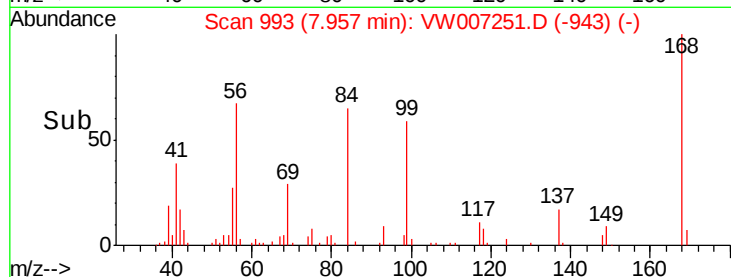
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 38.873 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW007251.D

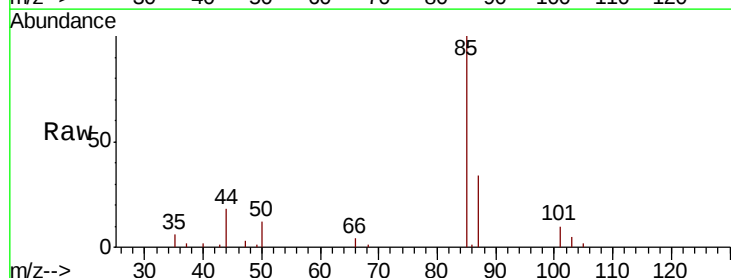
Acq: 05 Dec 2018 23:51

Tgt Ion: 85 Resp: 13383

Ion Ratio Lower Upper

85 100

87 33.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

6000

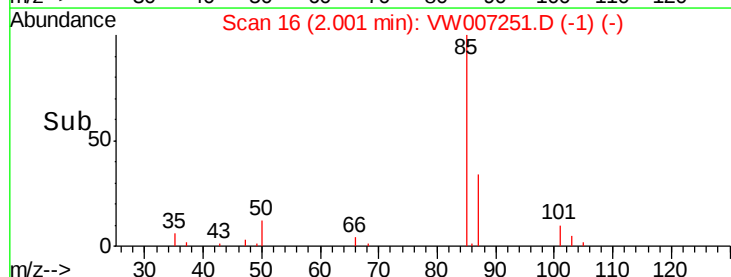
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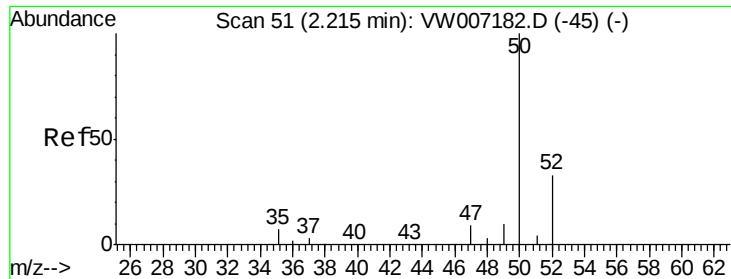
2000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 38.630 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

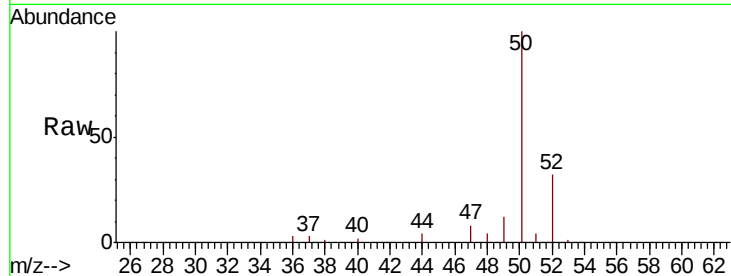
HLSP-SB-5B-(8.5)MSD

Tot Ion: 50 Resp: 16842

Ion Ratio Lower Upper

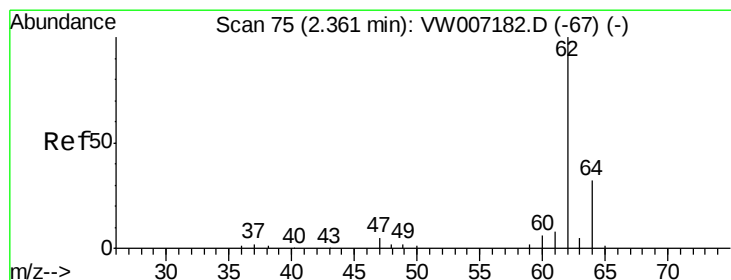
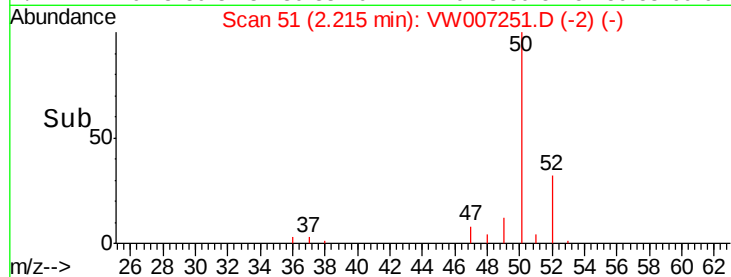
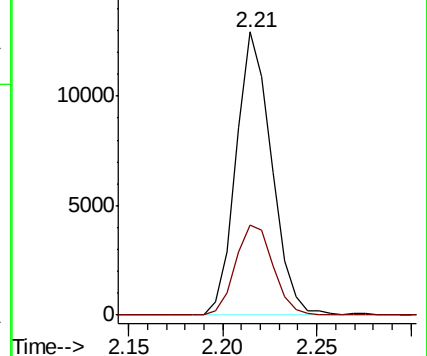
50 100

52 31.6 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: 43.341 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW007251.D

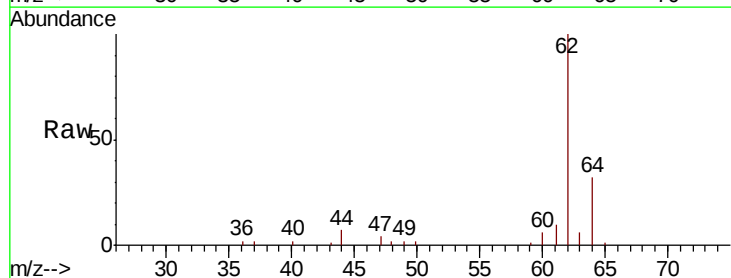
Acq: 05 Dec 2018 23:51

Tgt Ion: 62 Resp: 11831

Ion Ratio Lower Upper

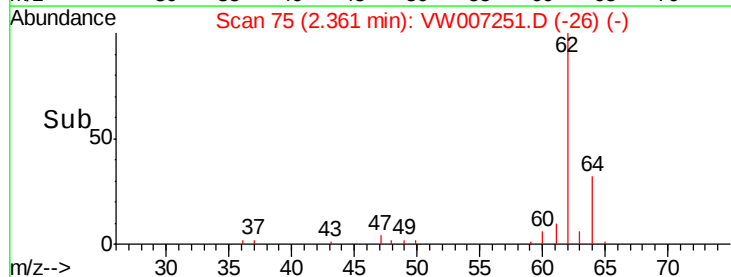
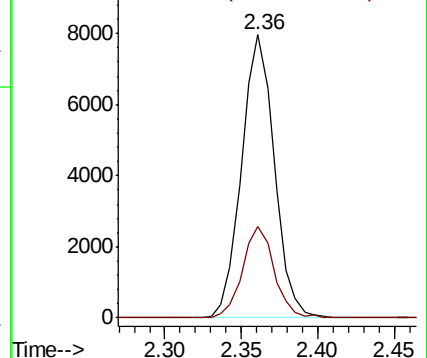
62 100

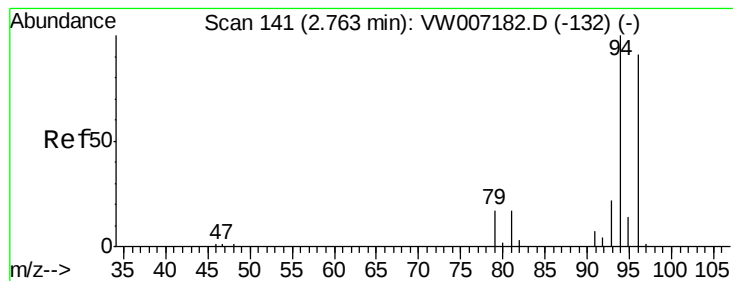
64 32.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 64.713 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.02 min

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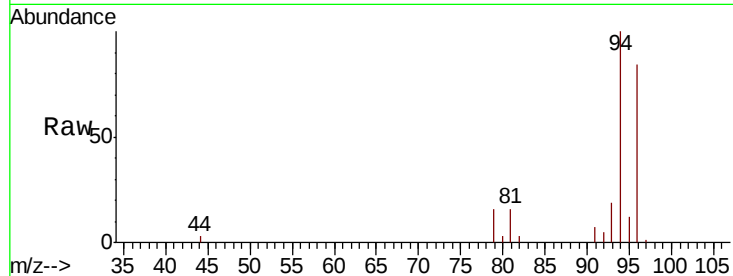
HLSP-SB-5B-(8.5)MSD

Tot Ion: 94 Resp: 8852

Ion Ratio Lower Upper

94 100

96 84.0 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

4000

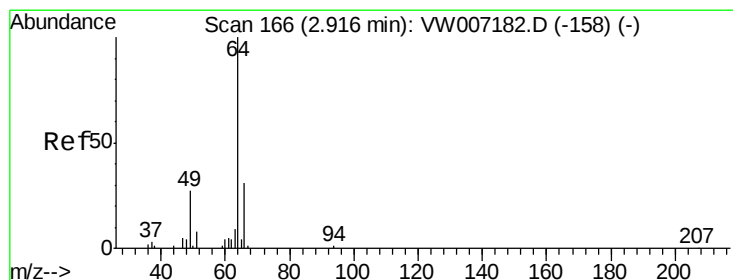
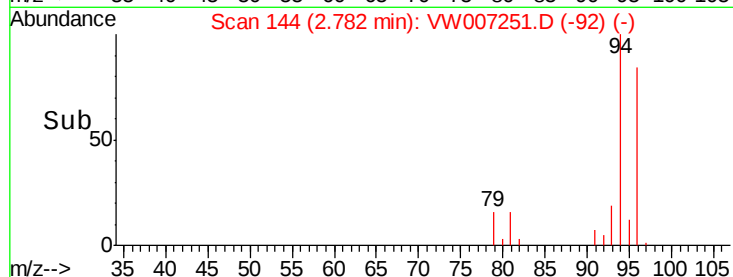
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 47.877 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007251.D

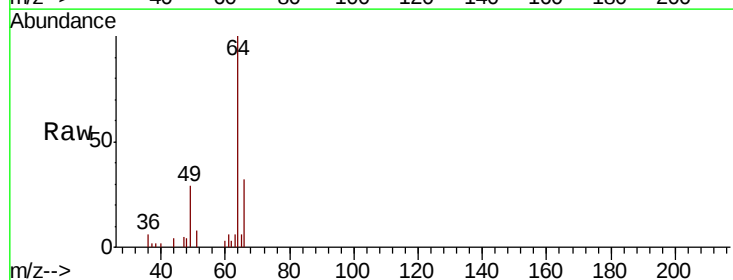
Acq: 05 Dec 2018 23:51

Tgt Ion: 64 Resp: 7333

Ion Ratio Lower Upper

64 100

66 31.6 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

4000

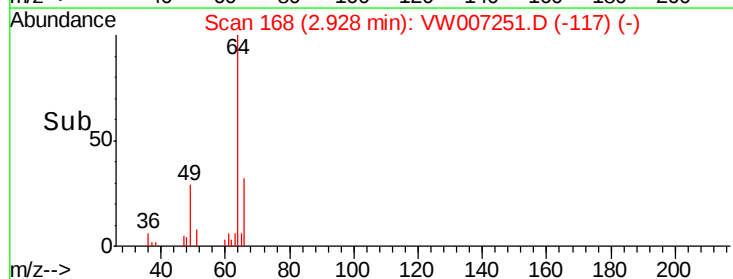
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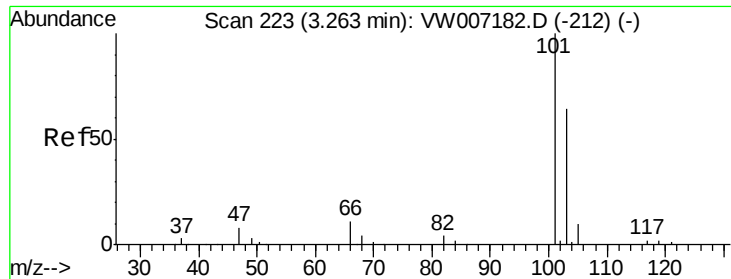
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1000

0

Time-->



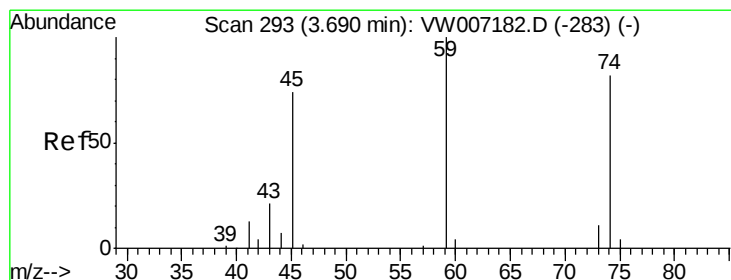
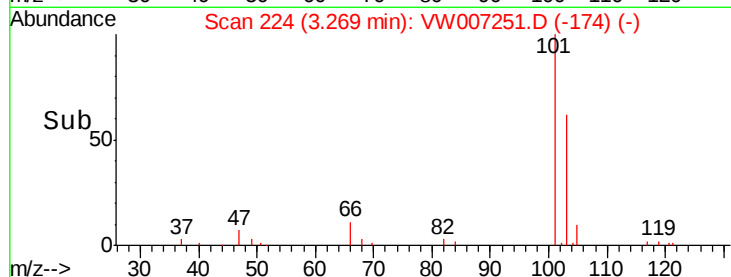
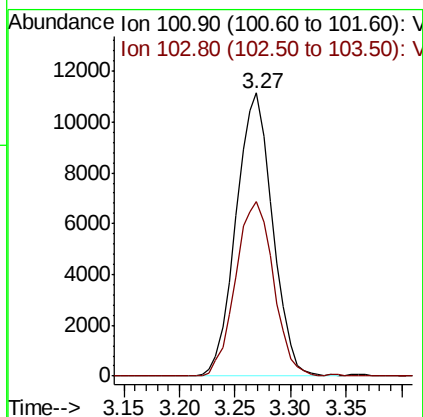
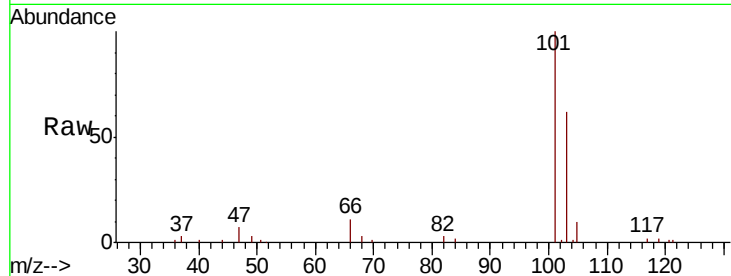


#7

Trichlorofluoromethane
Concen: 47.591 ug/l
RT: 3.27 min Scan# 224
Delta R.T. 0.01 min
Lab File: VW007251.D
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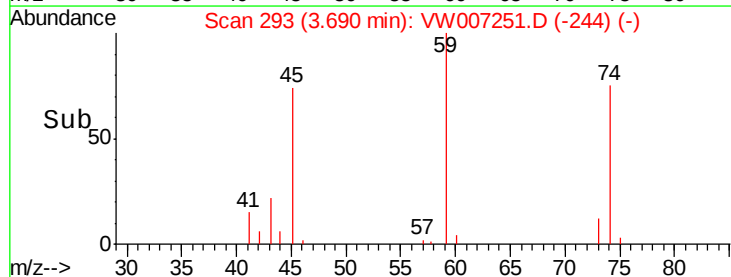
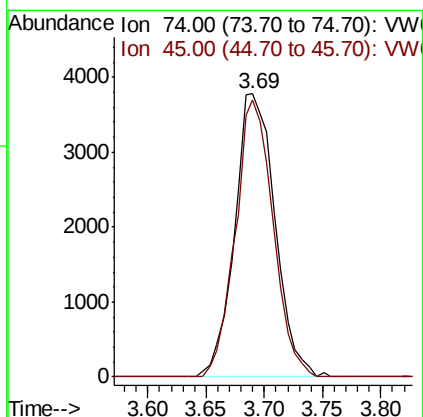
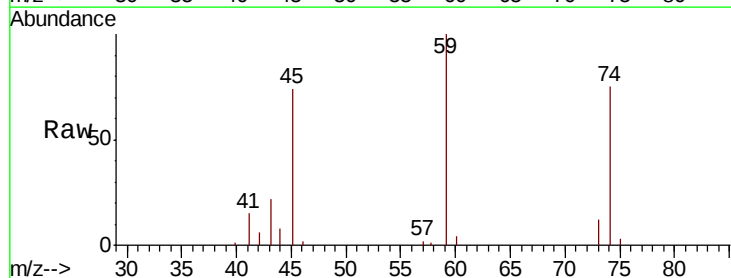
Tot Ion:101 Resp: 25328
Ion Ratio Lower Upper
101 100
103 61.8 50.9 76.3

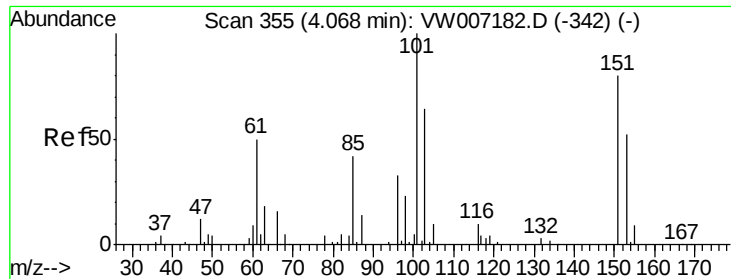


#8

Diethyl Ether
Concen: 61.599 ug/l
RT: 3.69 min Scan# 293
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion: 74 Resp: 9138
Ion Ratio Lower Upper
74 100
45 91.4 47.2 141.6

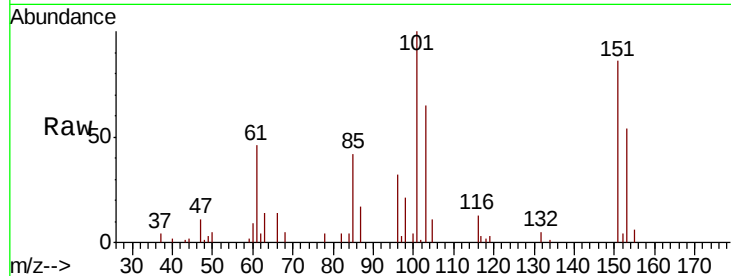




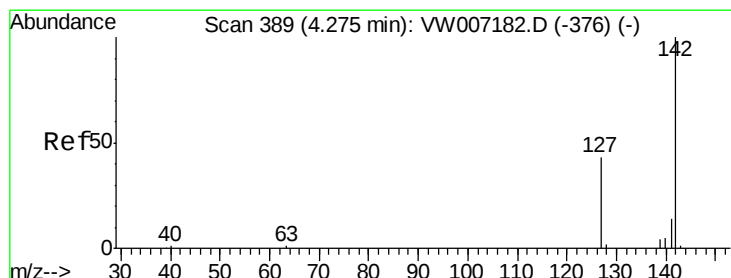
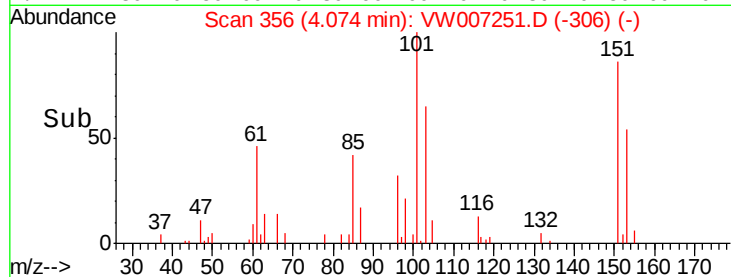
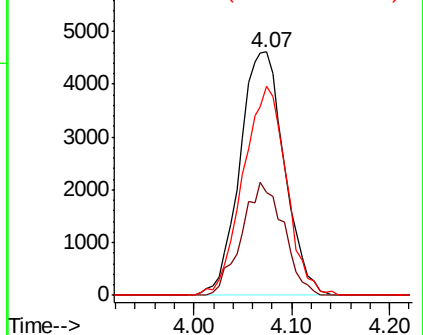
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.270 ug/l
 RT: 4.07 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

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

Tot Ion:101 Resp: 14554
 Ion Ratio Lower Upper
 101 100
 85 43.8 33.4 50.2
 151 83.9 63.9 95.9

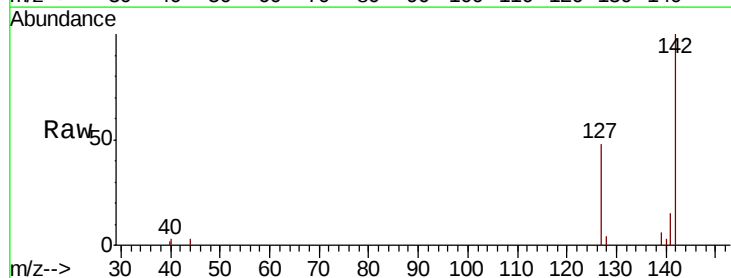


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VW
 Ion 150.80 (150.50 to 151.50): V

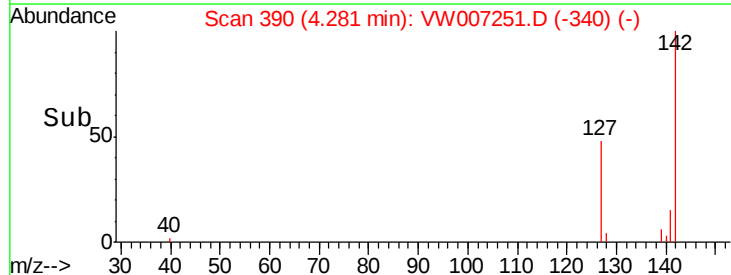
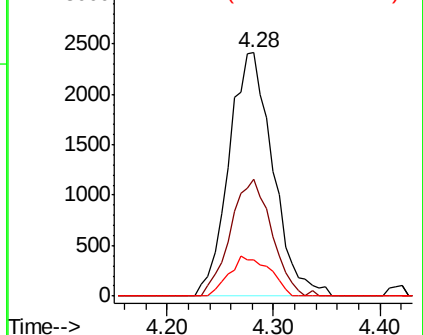


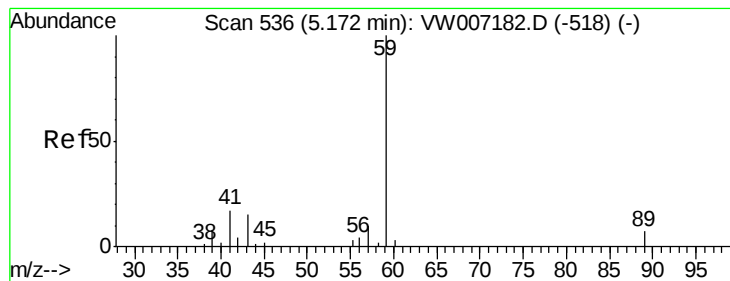
#10
 Methyl Iodide
 Concen: 25.483 ug/l
 RT: 4.28 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

Tgt Ion:142 Resp: 6979
 Ion Ratio Lower Upper
 142 100
 127 45.1 34.9 52.3
 141 15.0 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



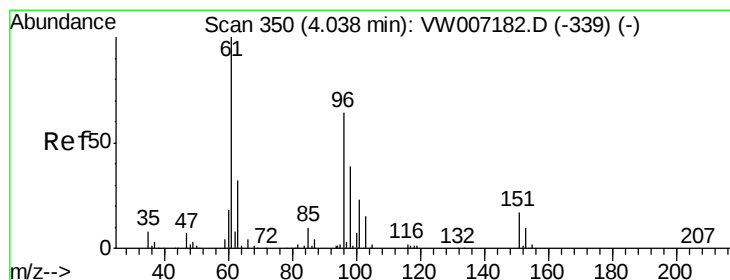
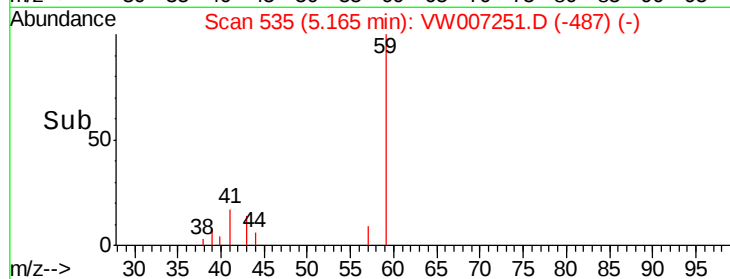
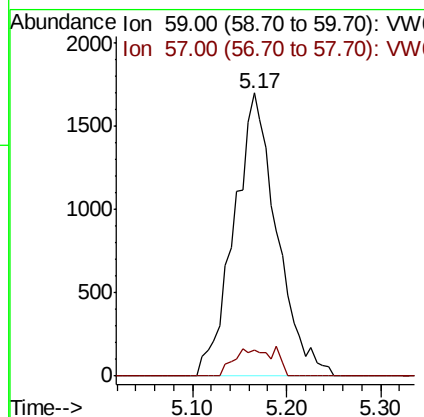
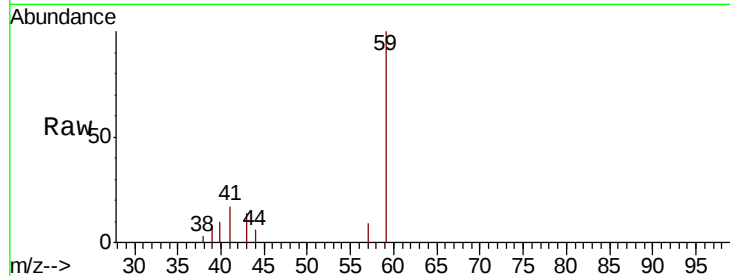


#11

Tert butyl alcohol
 Concen: 188.247 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

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

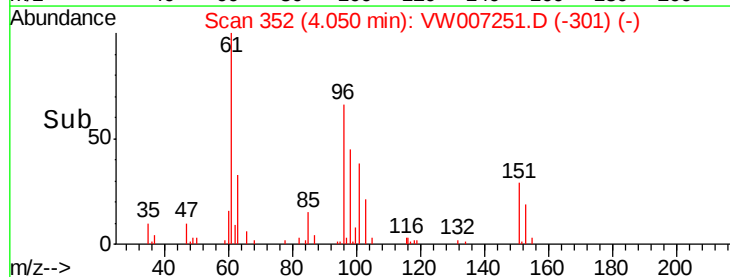
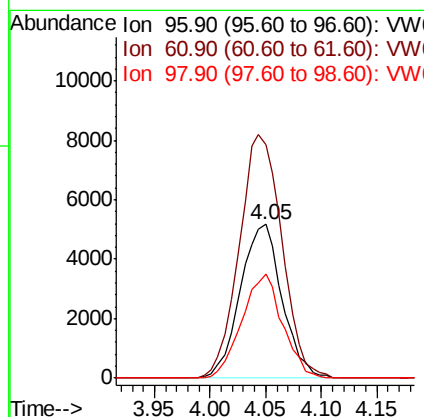
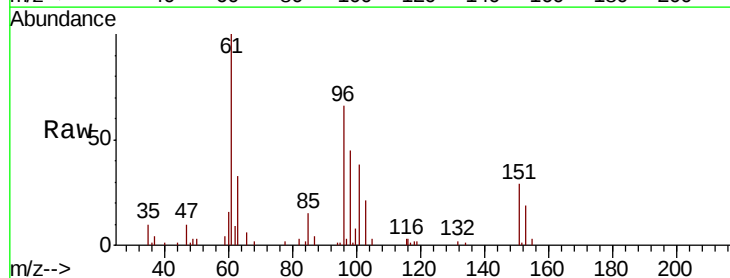
Tot Ion: 59 Resp: 5395
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.1 10.7#

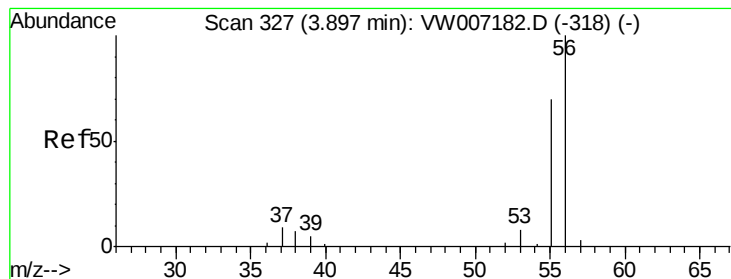


#12

1,1-Dichloroethene
 Concen: 44.695 ug/l
 RT: 4.05 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

Tgt Ion: 96 Resp: 13466
 Ion Ratio Lower Upper
 96 100
 61 151.5 124.1 186.1
 98 67.6 48.6 72.8





#13

Acrolein

Concen: 187.595 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

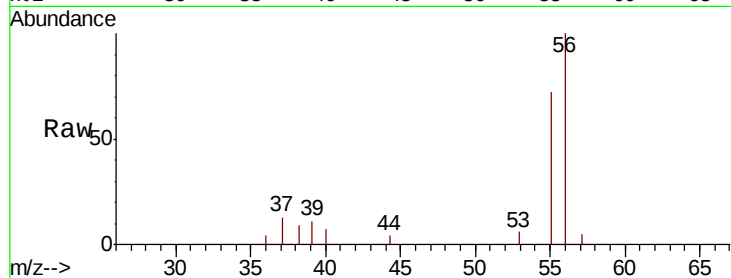
HLSP-SB-5B-(8.5)MSD

Tot Ion: 56 Resp: 3851

Ion Ratio Lower Upper

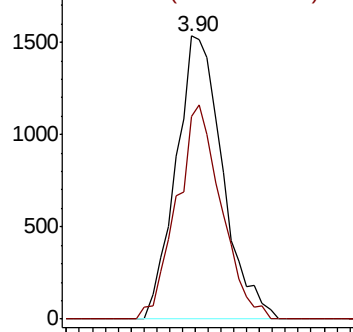
56 100

55 72.6 56.9 85.3

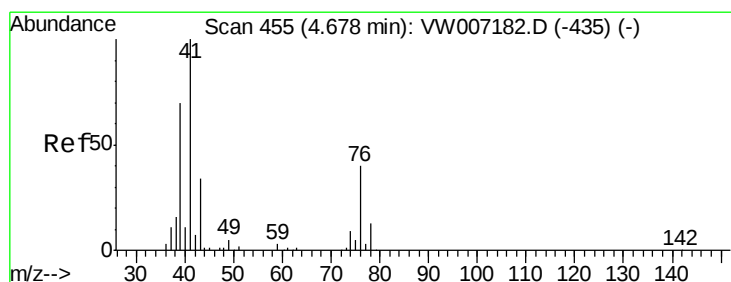
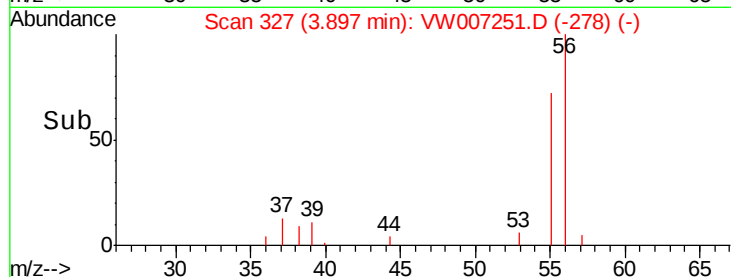


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#14

Allyl chloride

Concen: 48.901 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

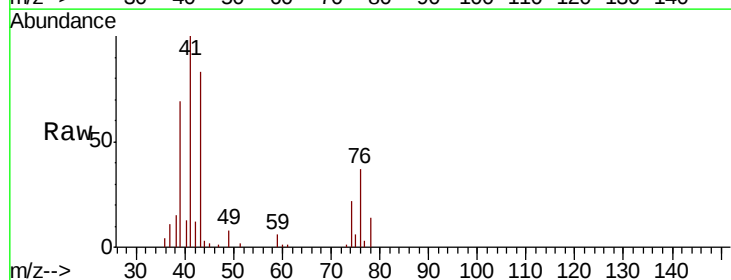
Tgt Ion: 41 Resp: 23616

Ion Ratio Lower Upper

41 100

39 70.6 55.9 83.9

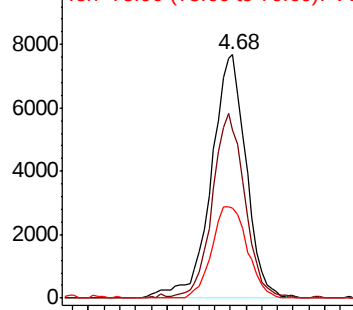
76 38.2 30.8 46.2



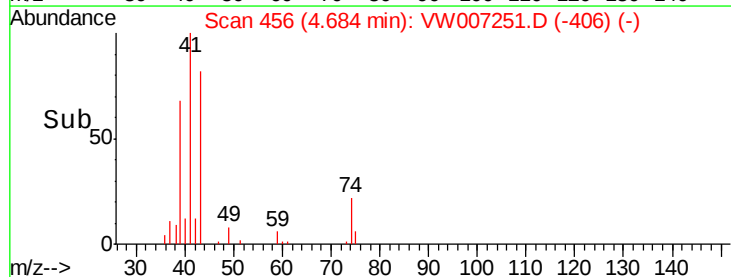
Abundance Ion 41.00 (40.70 to 41.70): VW

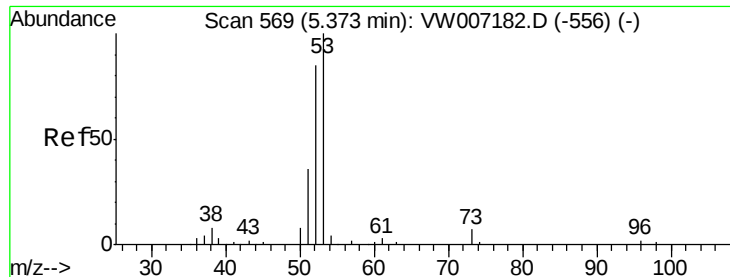
Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW



Time-->





#15

Acrylonitrile

Concen: 262.865 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

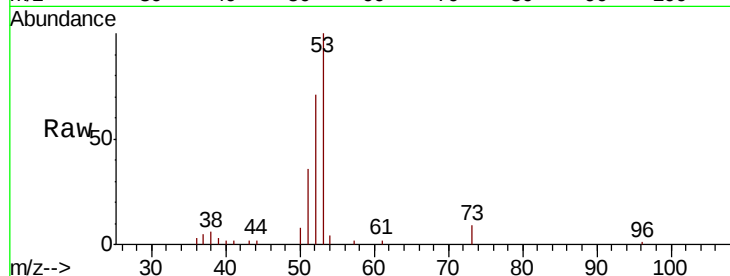
Tot Ion: 53 Resp: 16302

Ion Ratio Lower Upper

53 100

52 80.3 66.1 99.1

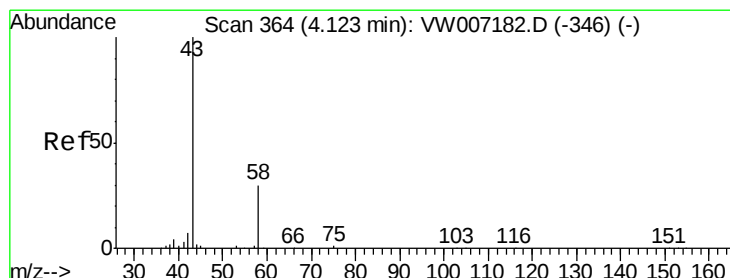
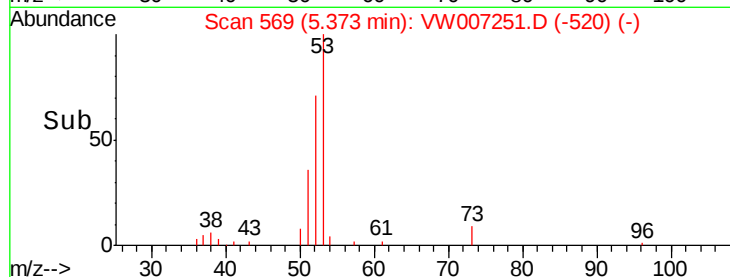
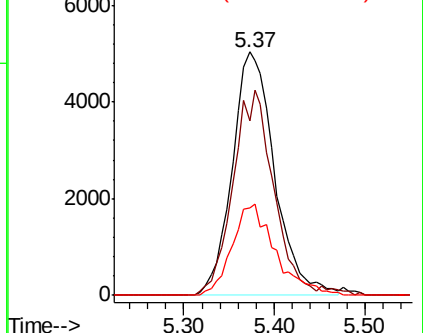
51 38.1 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 192.326 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW007251.D

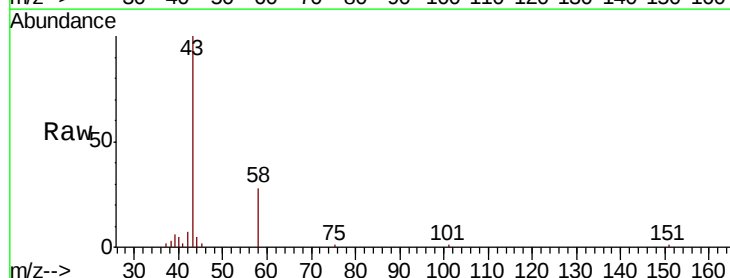
Acq: 05 Dec 2018 23:51

Tgt Ion: 43 Resp: 13339

Ion Ratio Lower Upper

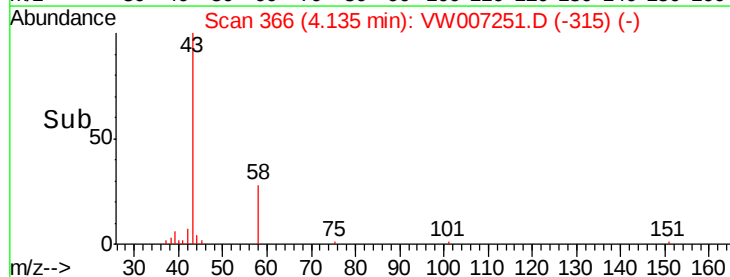
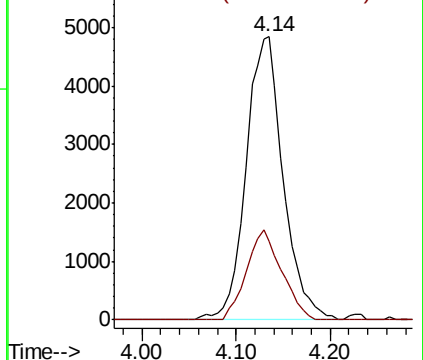
43 100

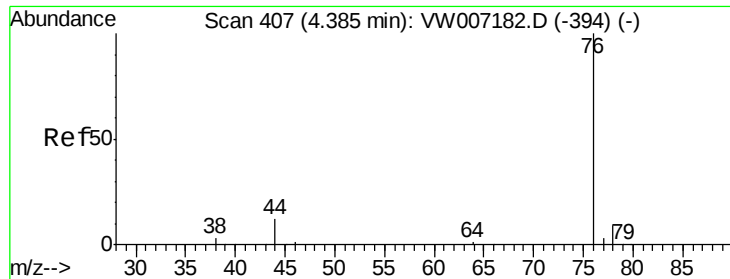
58 27.9 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

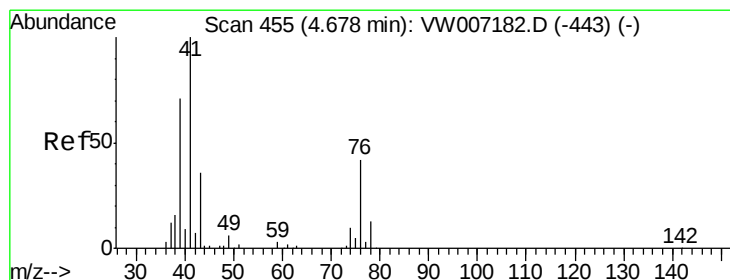
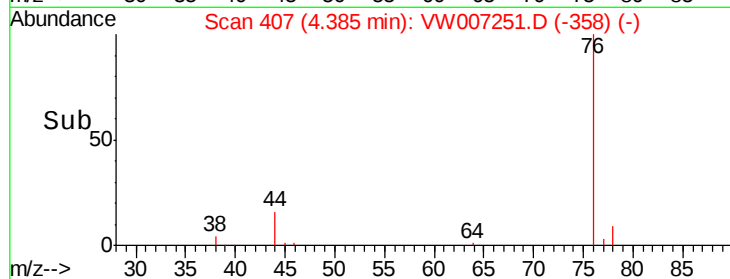
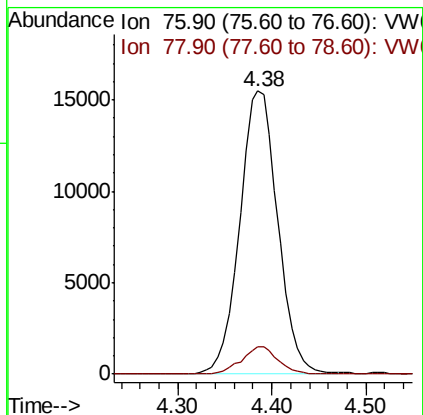
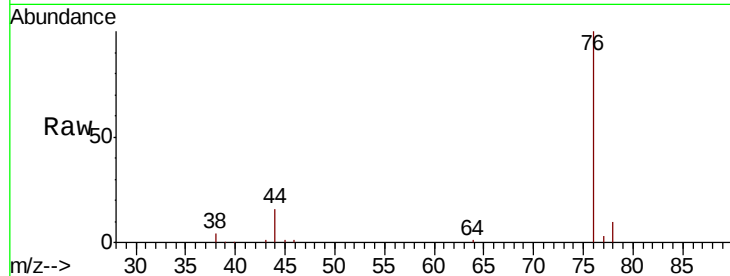




#17
Carbon Disulfide
Concen: 44.037 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

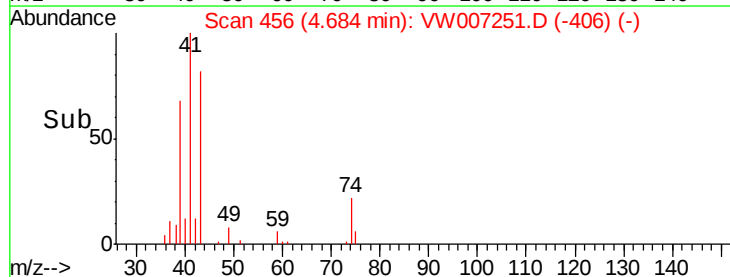
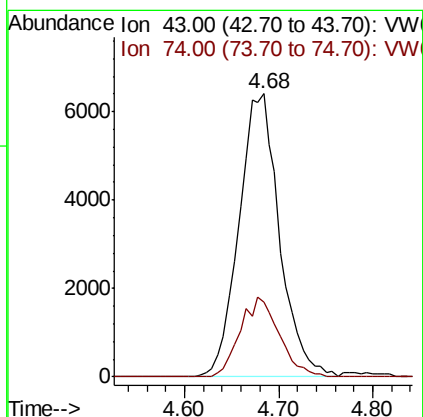
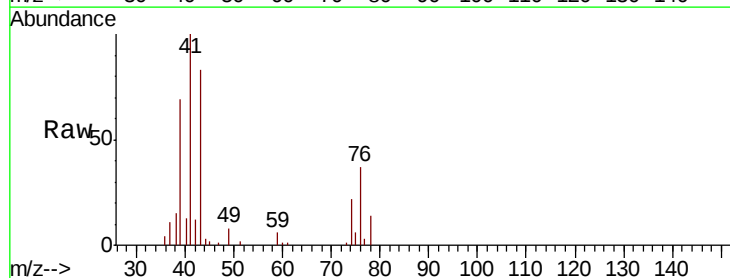
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

Tot Ion: 76 Resp: 43734
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8



#18
Methyl Acetate
Concen: 121.955 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion: 43 Resp: 19307
Ion Ratio Lower Upper
43 100
74 27.1 20.1 30.1

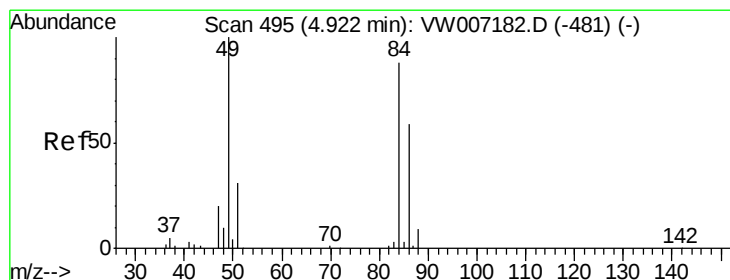
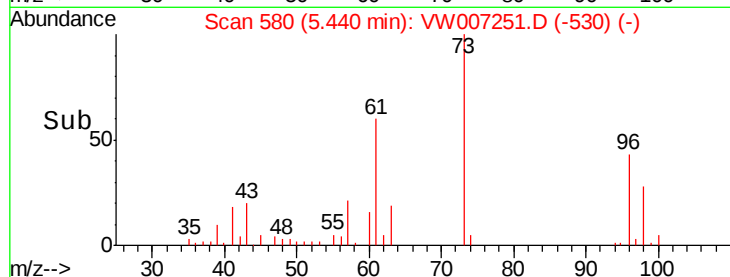
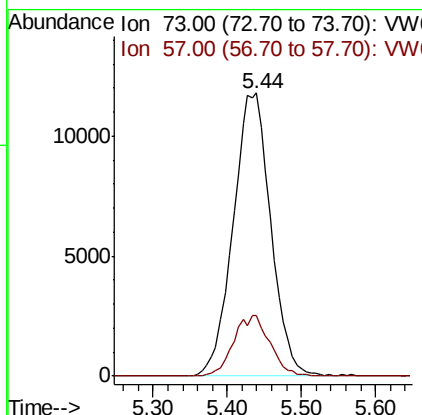
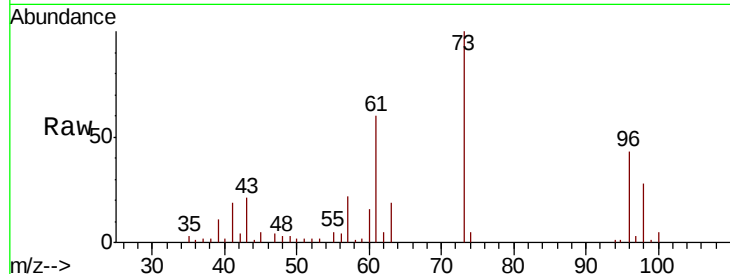




#19
Methvl tert-butvl Ether
Concen: 58.825 ug/l
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

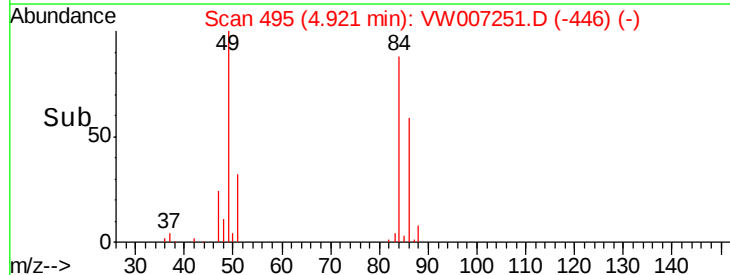
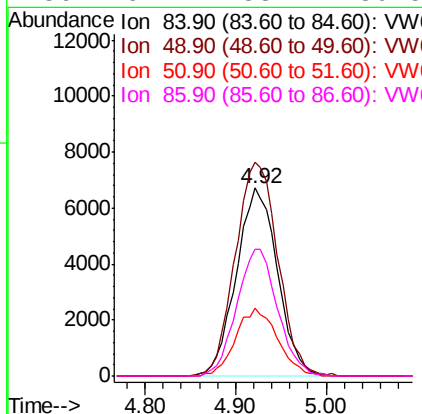
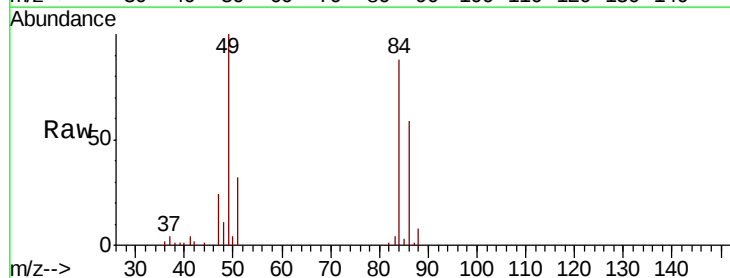
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

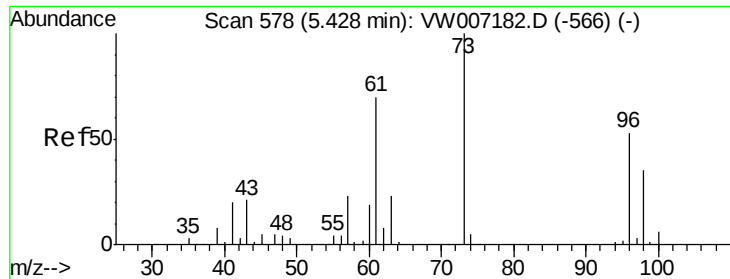
Tot Ion: 73 Resp: 41728
Ion Ratio Lower Upper
73 100
57 21.6 16.6 25.0



#20
Methylene Chloride
Concen: 61.841 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion: 84 Resp: 21168
Ion Ratio Lower Upper
84 100
49 113.6 90.6 135.8
51 35.8 27.6 41.4
86 67.4 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 49.183 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

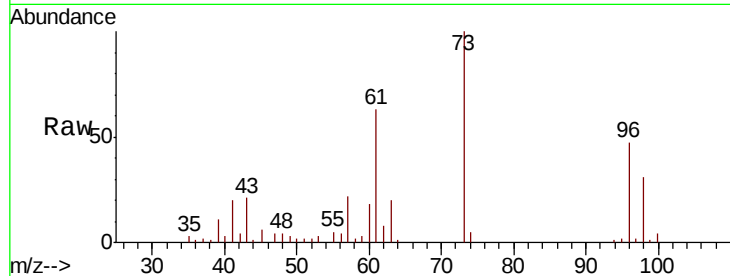
Tot Ion: 96 Resp: 16546

Ion Ratio Lower Upper

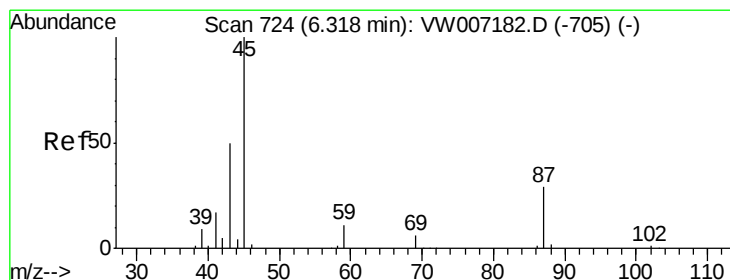
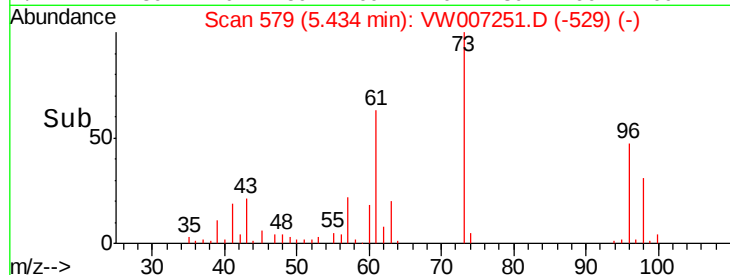
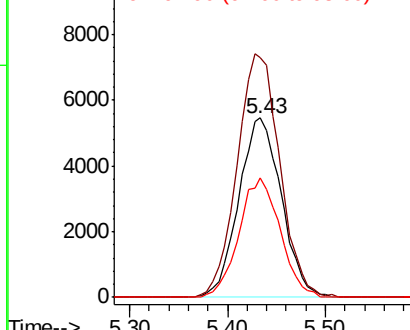
96 100

61 133.8 105.5 158.3

98 66.6 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: 60.479 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Tgt Ion: 45 Resp: 52432

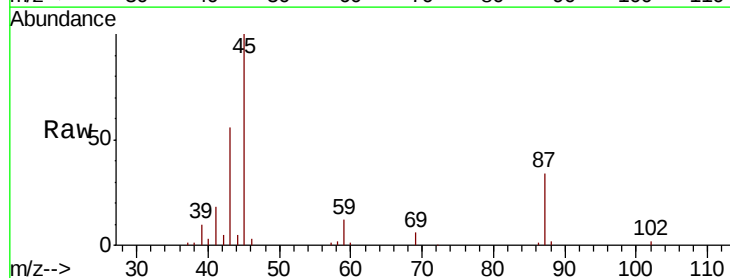
Ion Ratio Lower Upper

45 100

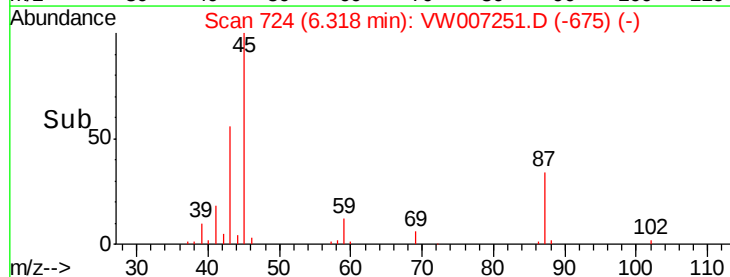
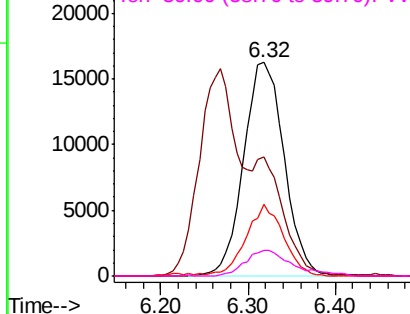
43 54.8 40.8 61.2

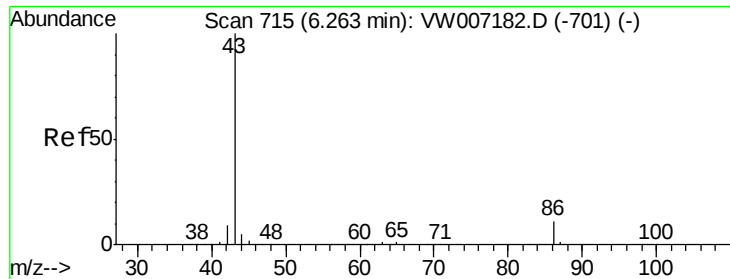
87 33.6 24.0 36.0

59 11.9 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: 107.514 ug/l

RT: 6.27 min Scan# 716

Delta R.T. 0.01 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

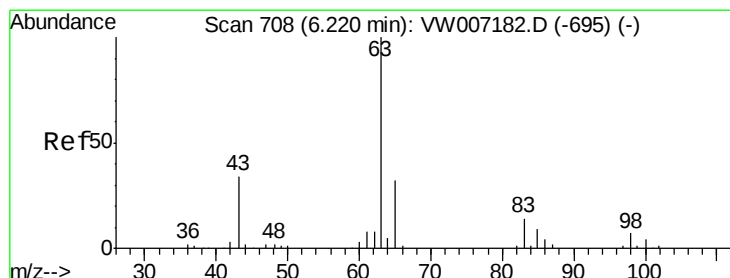
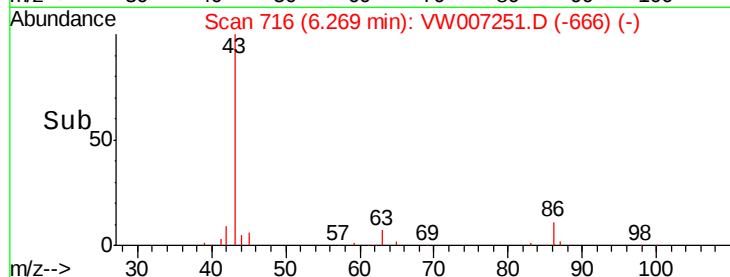
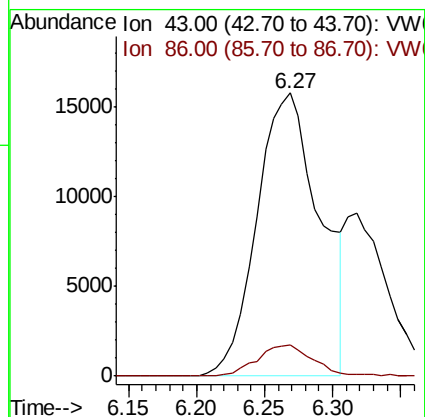
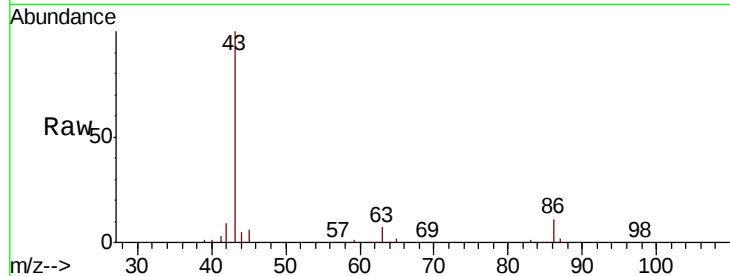
HLSP-SB-5B-(8.5)MSD

Tot Ion: 43 Resp: 50859

Ion Ratio Lower Upper

43 100

86 10.9 9.0 13.6



#24

1,1-Dichloroethane

Concen: 53.560 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

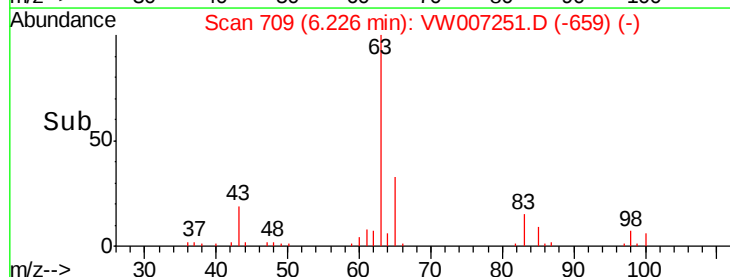
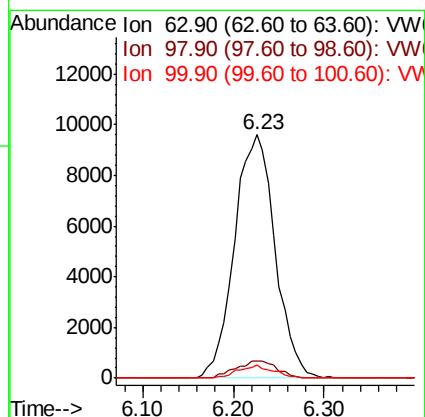
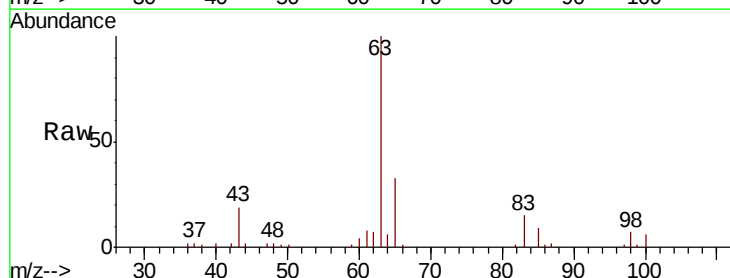
Tgt Ion: 63 Resp: 29761

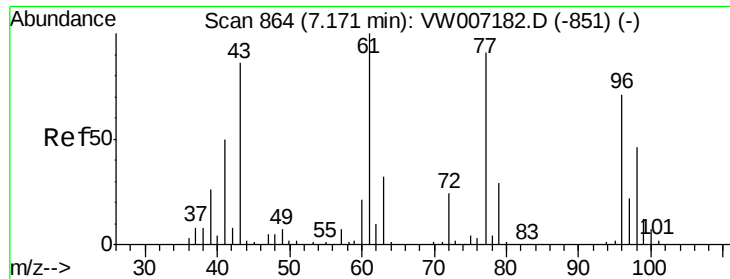
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 5.7 2.1 6.2





#25

2-Butanone

Concen: 248.103 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

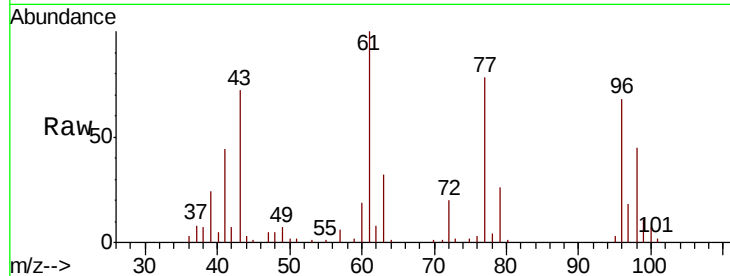
HLSP-SB-5B-(8.5)MSD

Tot Ion: 43 Resp: 19947

Ion Ratio Lower Upper

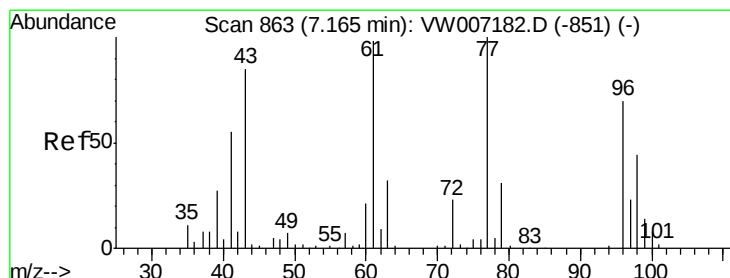
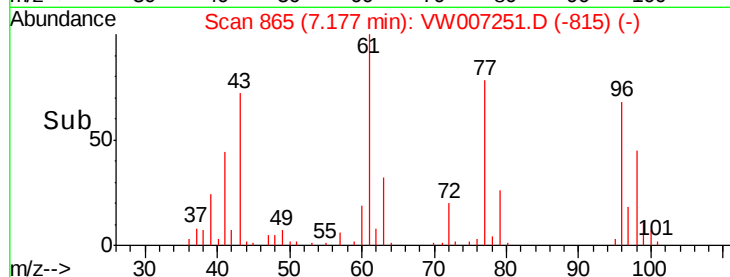
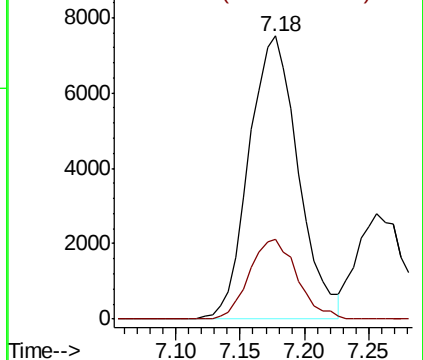
43 100

72 28.4 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 45.200 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007251.D

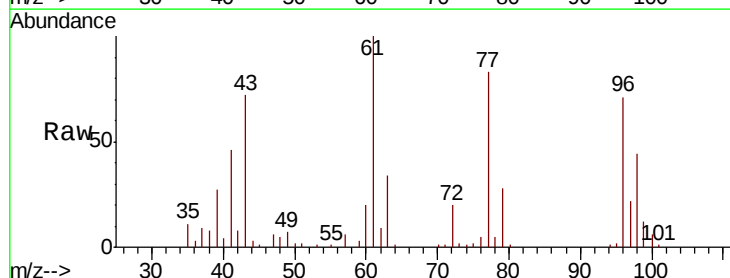
Acq: 05 Dec 2018 23:51

Tgt Ion: 77 Resp: 24136

Ion Ratio Lower Upper

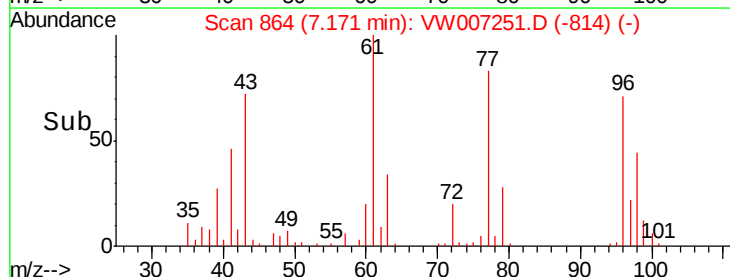
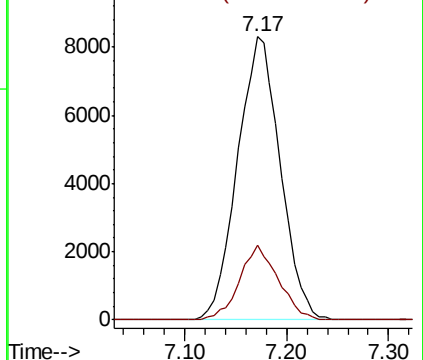
77 100

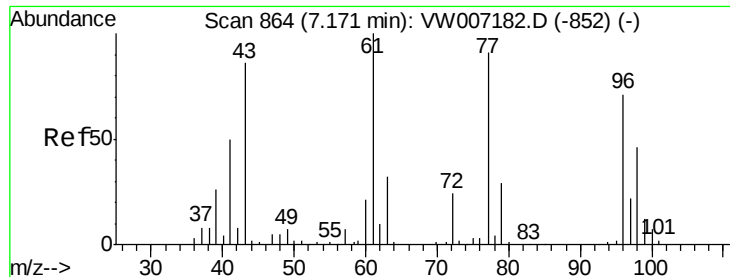
97 23.9 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



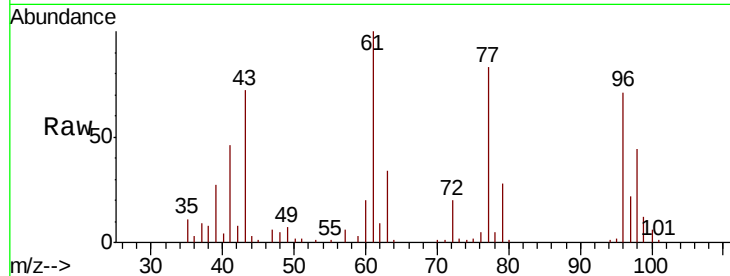


#27

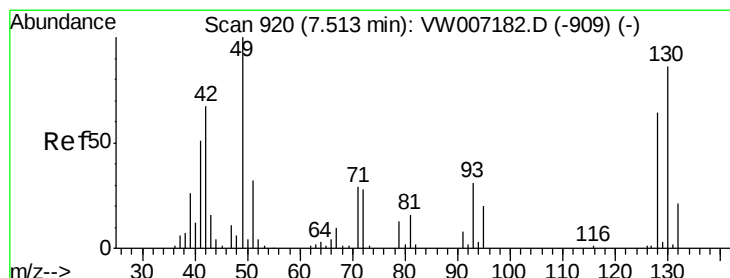
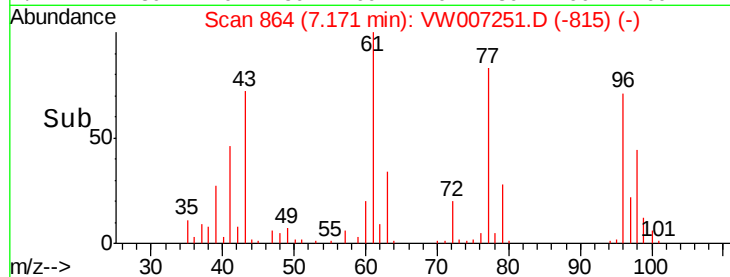
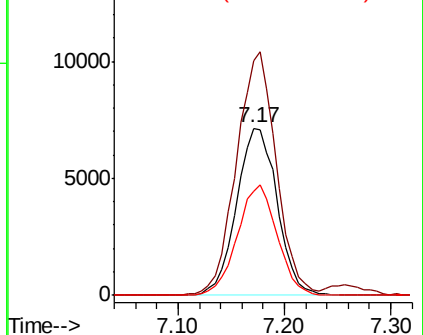
cis-1,2-Dichloroethene
Concen: 53.037 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

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

Tot Ion: 96 Resp: 19127
Ion Ratio Lower Upper
96 100
61 142.7 0.0 282.4
98 64.4 0.0 129.8



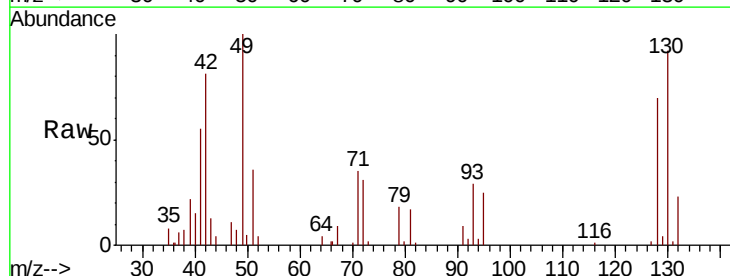
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



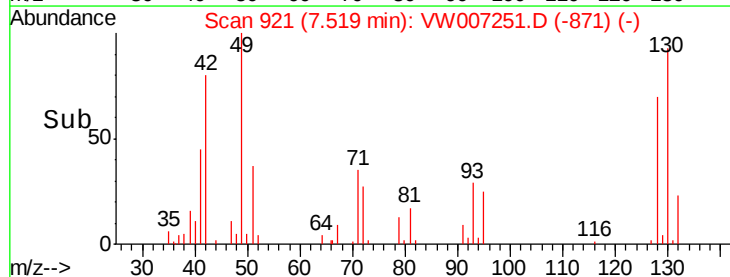
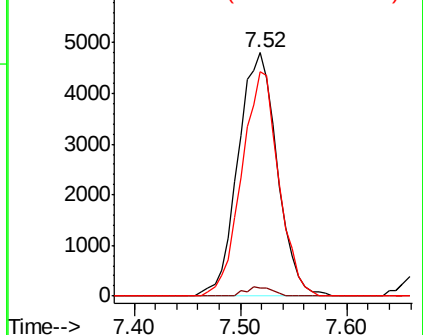
#28

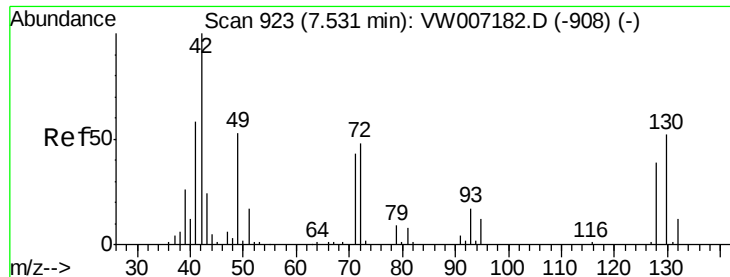
Bromochloromethane
Concen: 61.843 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion: 49 Resp: 12391
Ion Ratio Lower Upper
49 100
129 2.6 0.0 3.8
130 87.2 70.3 105.5



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

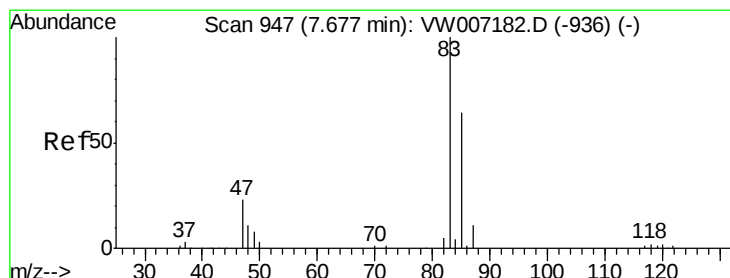
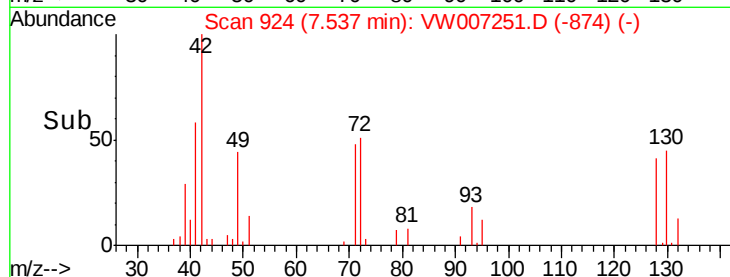
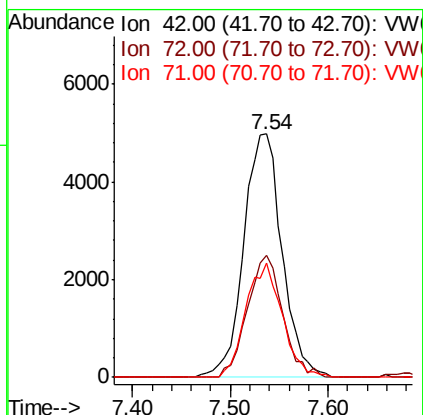
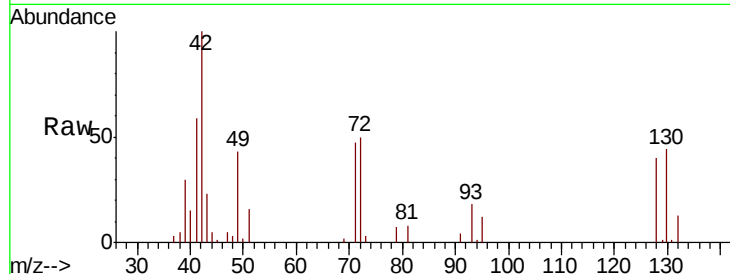




#29
Tetrahydrofuran
Concen: 273.296 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

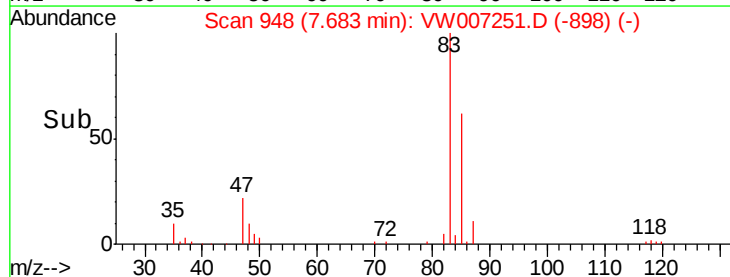
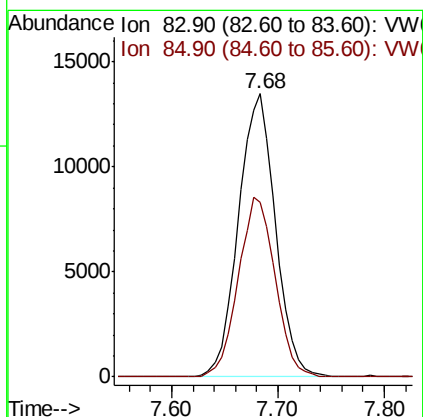
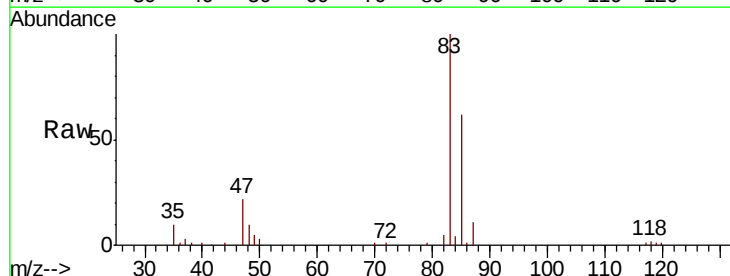
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

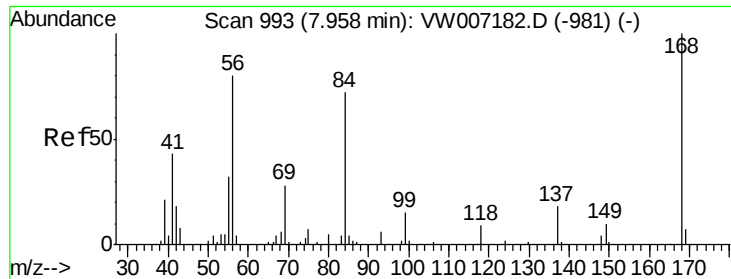
Tot Ion: 42 Resp: 13578
Ion Ratio Lower Upper
42 100
72 46.4 36.6 55.0
71 44.3 34.8 52.2



#30
Chloroform
Concen: 56.876 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion: 83 Resp: 32845
Ion Ratio Lower Upper
83 100
85 61.8 51.5 77.3

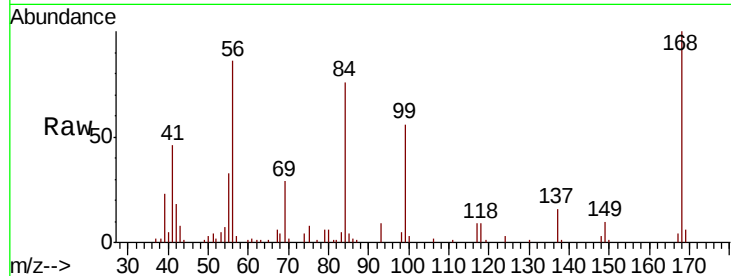




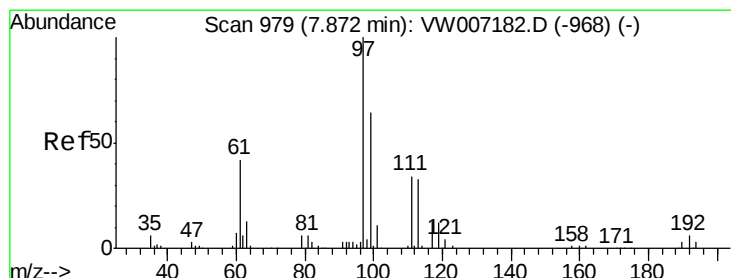
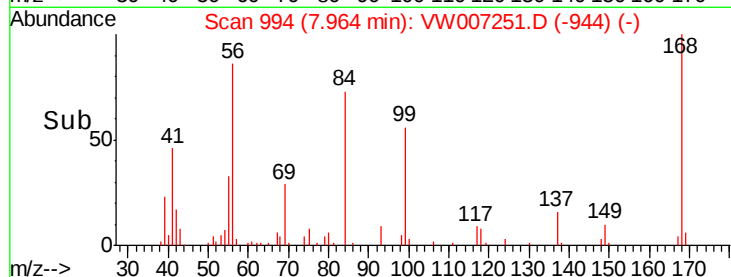
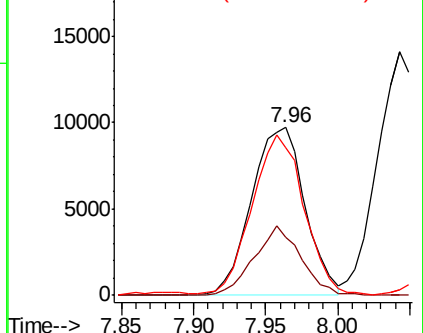
#31
Cyclohexane
Concen: 43.121 ug/l
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

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

Tot Ion: 56 Resp: 25070
Ion Ratio Lower Upper
56 100
69 34.4 28.2 42.2
84 87.5 72.1 108.1

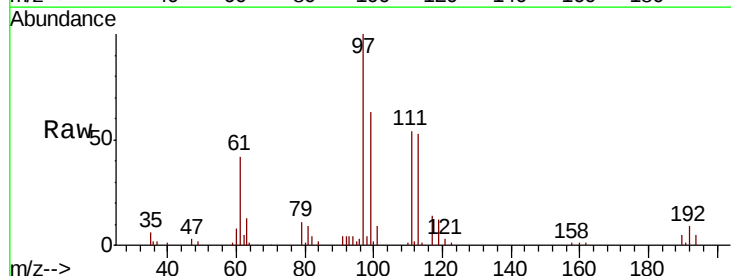


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

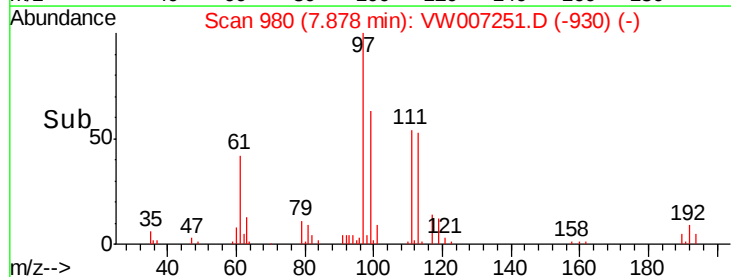
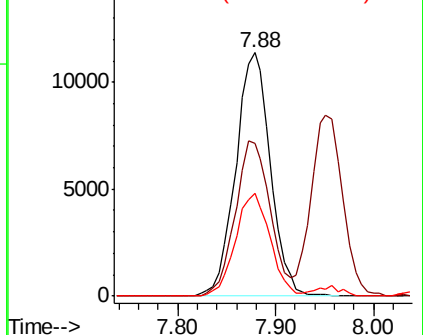


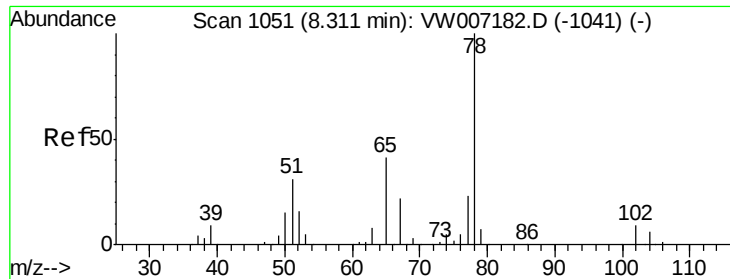
#32
1,1,1-Trichloroethane
Concen: 51.299 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion: 97 Resp: 27879
Ion Ratio Lower Upper
97 100
99 64.5 51.3 76.9
61 42.5 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

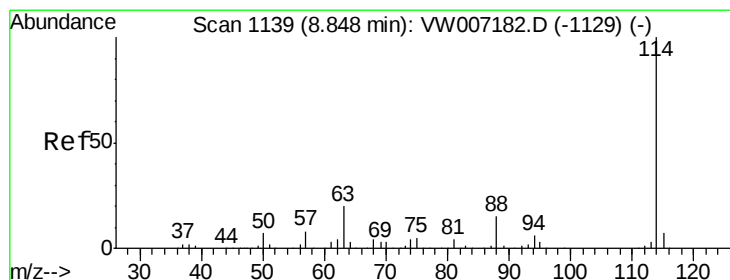
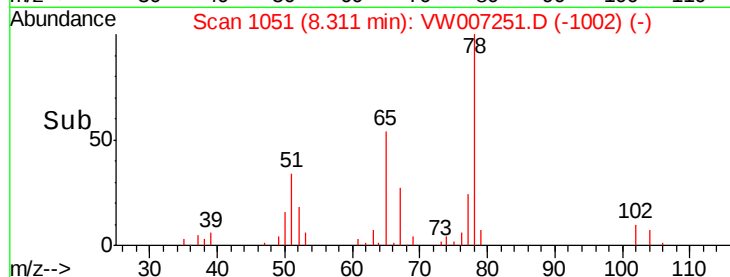
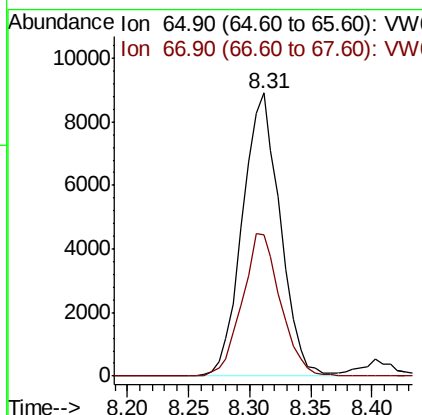
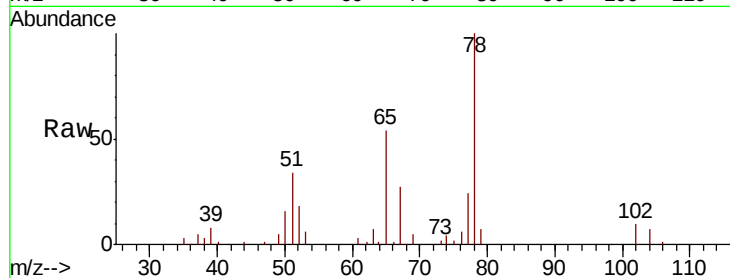




#33
 1,2-Dichloroethane-d4
 Concen: 65.409 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

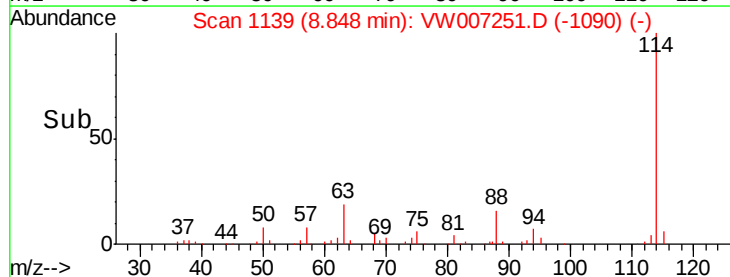
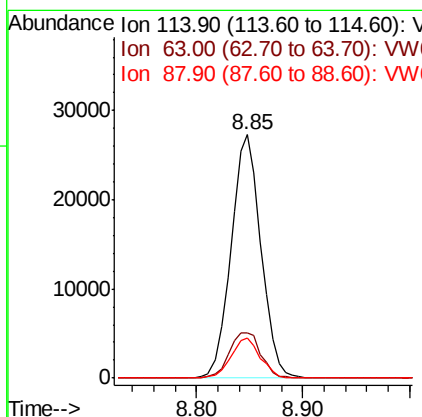
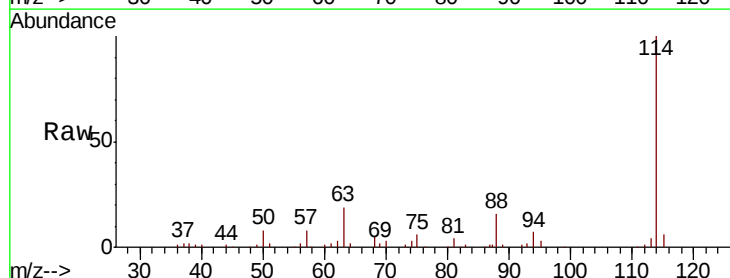
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

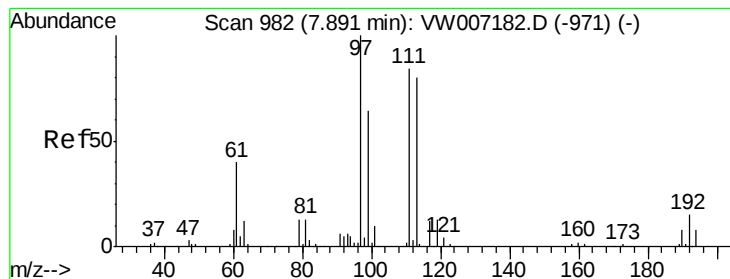
Tot Ion: 65 Resp: 19163
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

Tgt Ion: 114 Resp: 53576
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 40.2
 88 16.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 57.469 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

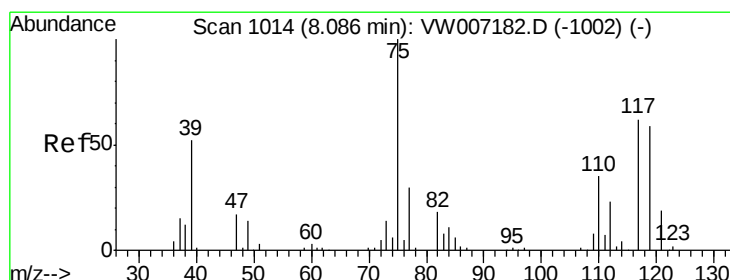
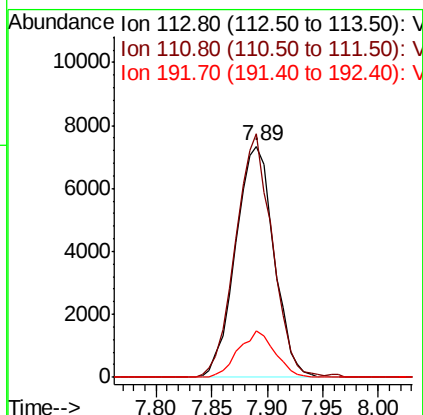
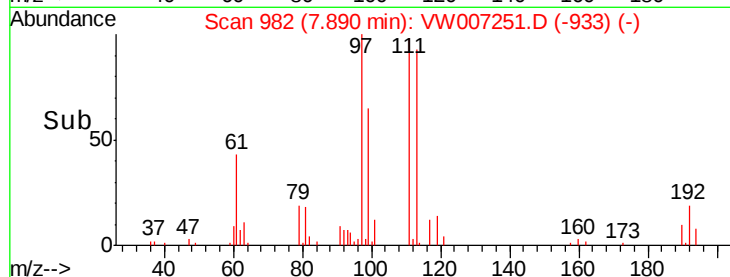
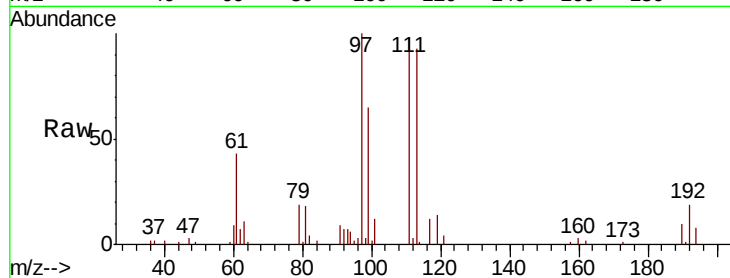
Tot Ion:113 Resp: 17630

Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.4

192 19.0 14.4 21.6



#36

1,1-Dichloropropene

Concen: 44.993 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

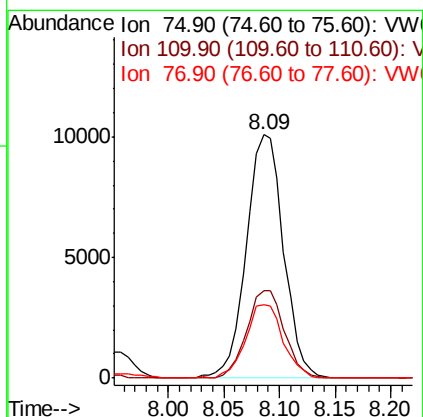
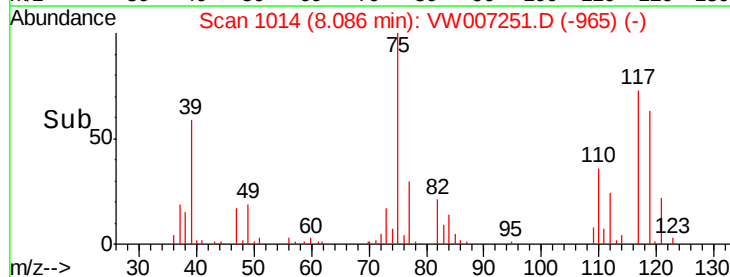
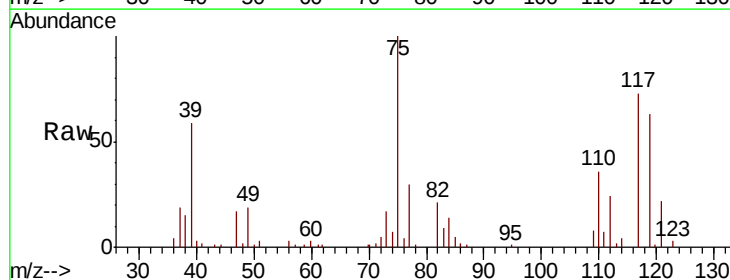
Tgt Ion: 75 Resp: 23455

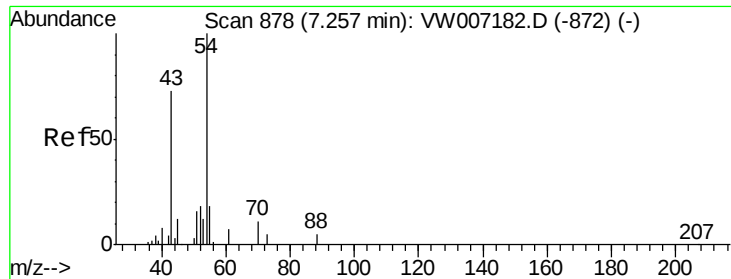
Ion Ratio Lower Upper

75 100

110 36.3 18.3 54.9

77 30.6 24.9 37.3

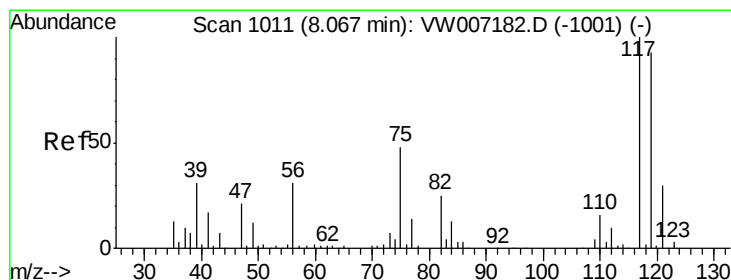
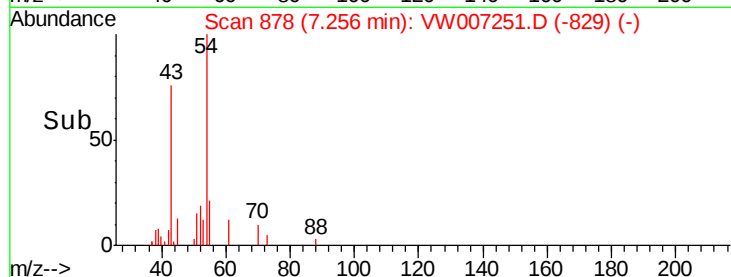
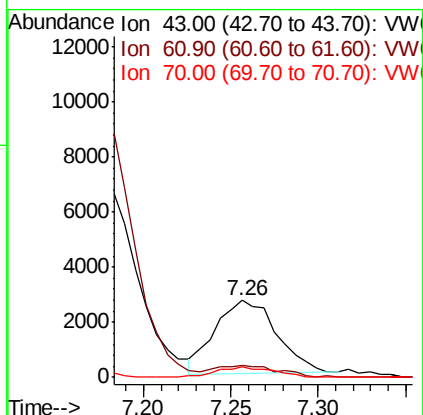
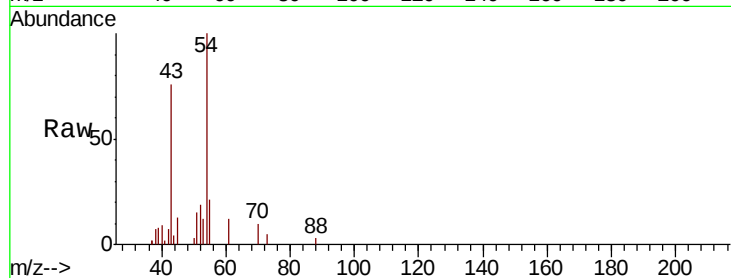




#37
Ethyl Acetate
Concen: 34.274 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

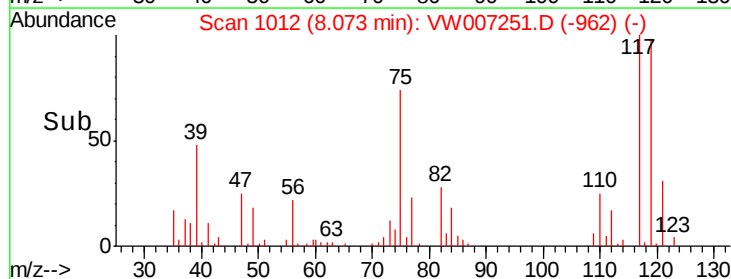
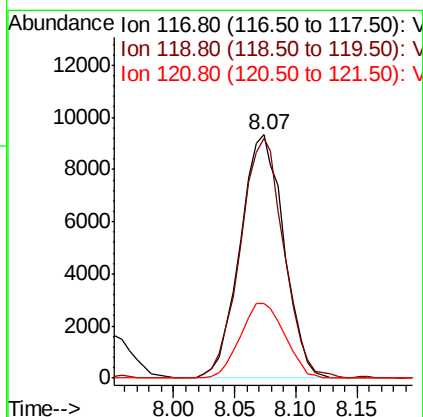
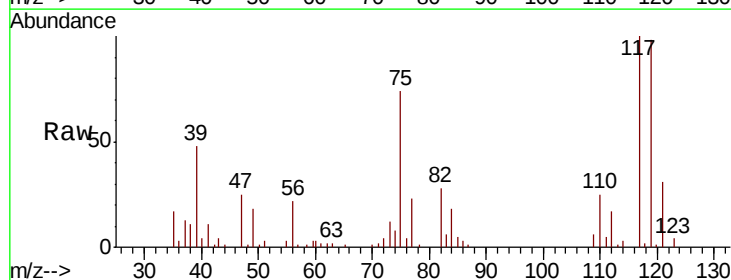
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

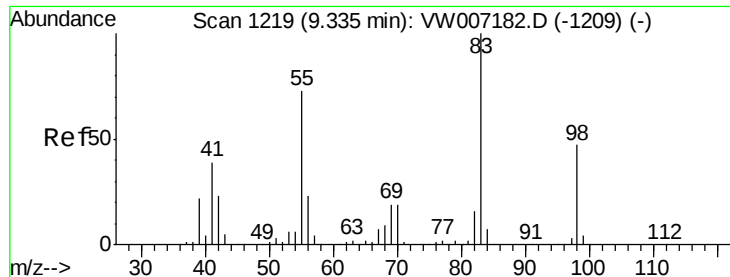
Tot Ion: 43 Resp: 6463
Ion Ratio Lower Upper
43 100
61 17.4 12.1 18.1
70 13.7 9.1 13.7



#38
Carbon Tetrachloride
Concen: 43.495 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion: 117 Resp: 23143
Ion Ratio Lower Upper
117 100
119 98.2 74.1 111.1
121 30.7 23.9 35.9

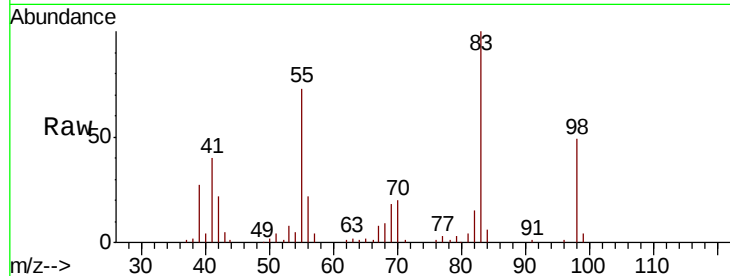




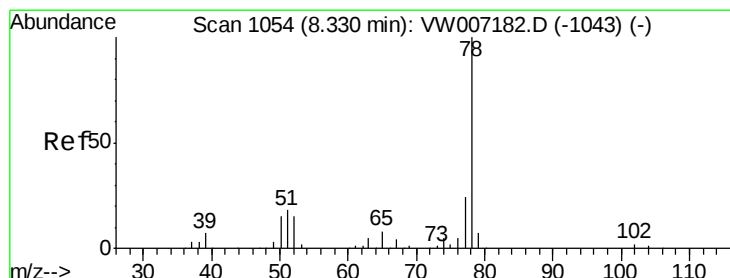
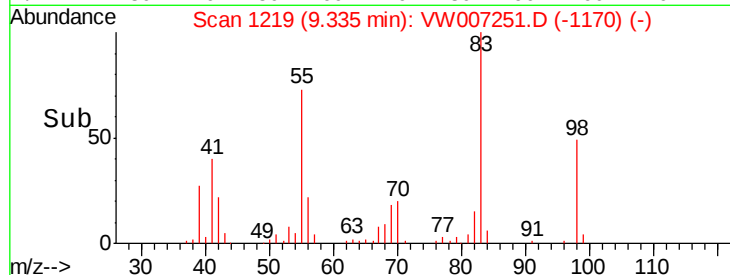
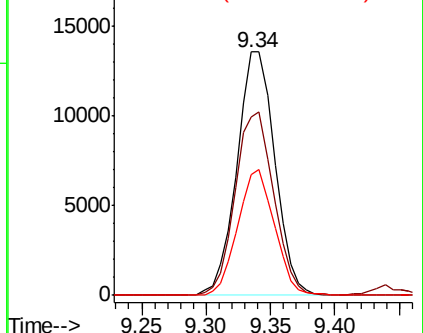
#39
Methvlcvclohexane
Concen: 39.828 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

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

Tot Ion: 83 Resp: 27794
Ion Ratio Lower Upper
83 100
55 73.3 58.1 87.1
98 49.5 37.3 55.9

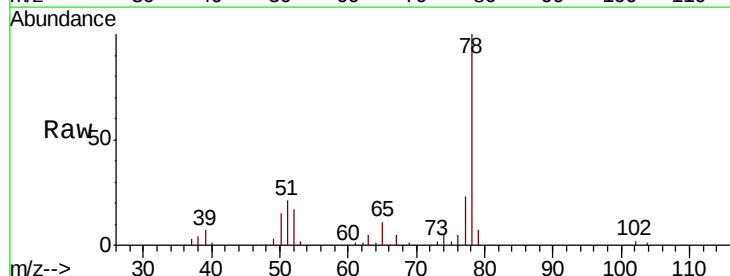


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

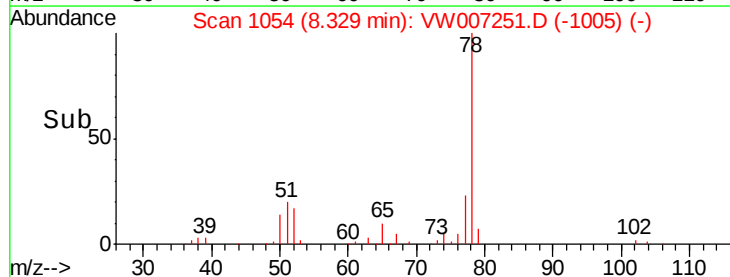
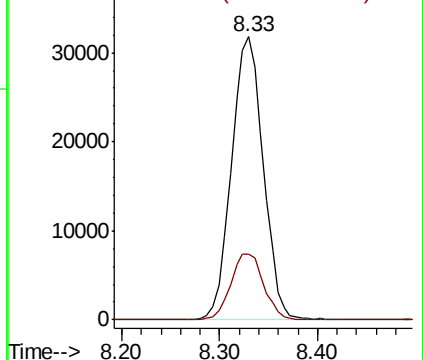


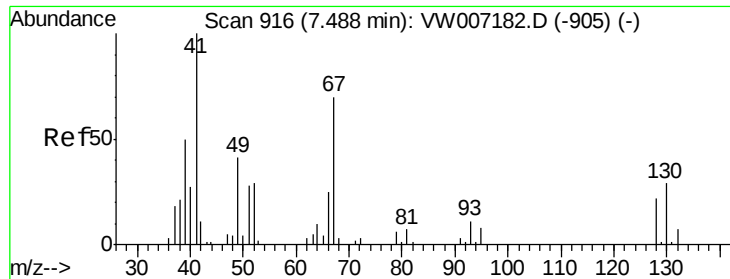
#40
Benzene
Concen: 50.068 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion: 78 Resp: 71572
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

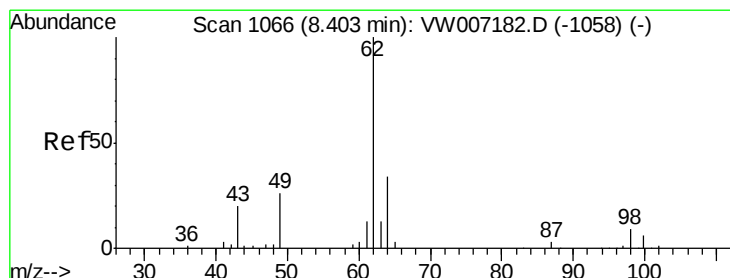
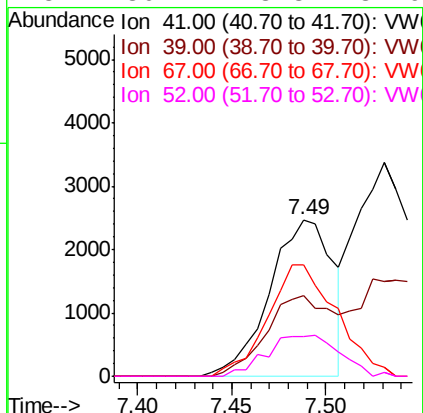
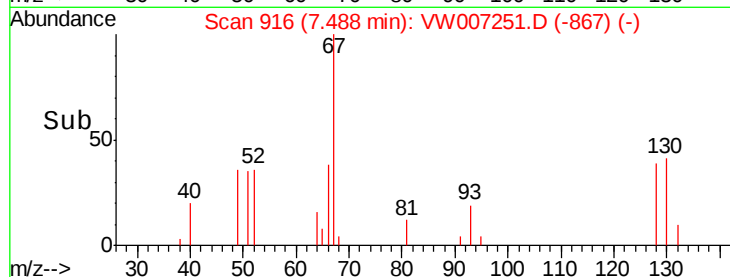
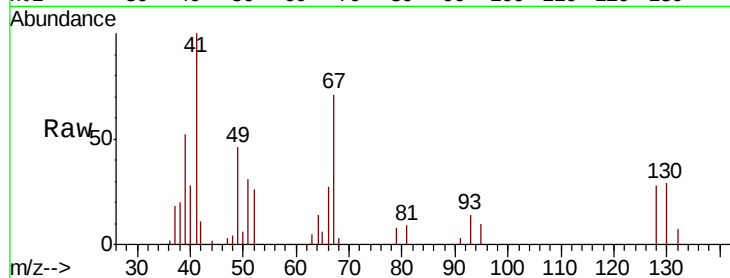




#41
Methacrylonitrile
Concen: 50.988 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

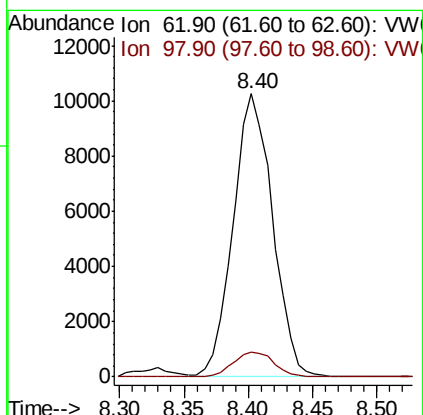
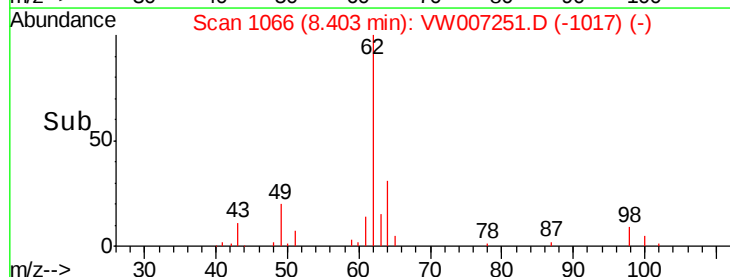
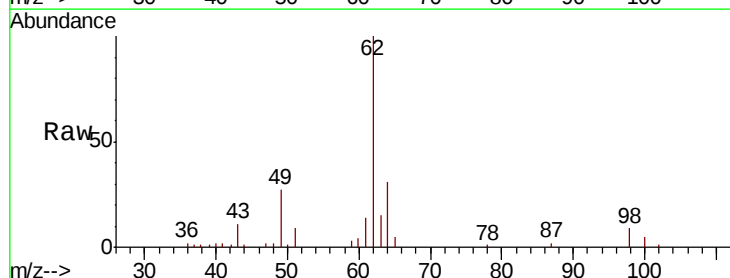
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

Tot Ion:	41	Resp:	5759
Ion	Ratio	Lower	Upper
41	100		
39	53.6	43.4	65.0
67	77.1	57.4	86.0
52	30.2	23.3	34.9



#42
1,2-Dichloroethane
Concen: 54.635 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion:	62	Resp:	21827
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8





#43

Isopropyl Acetate

Concen: 45.042 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

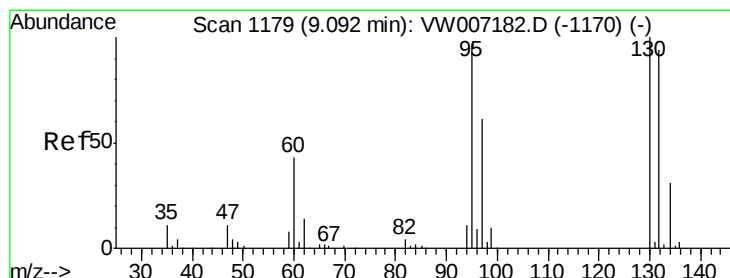
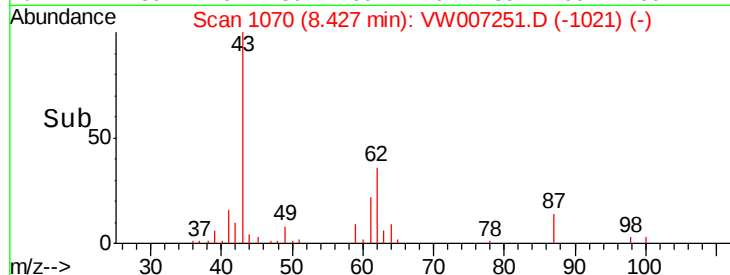
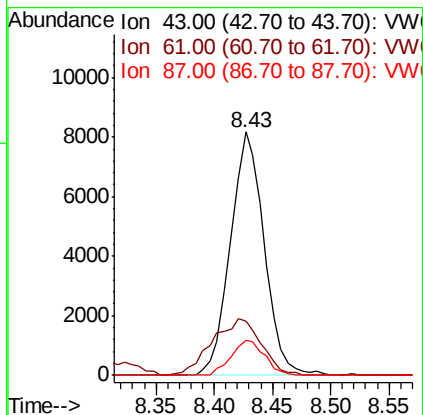
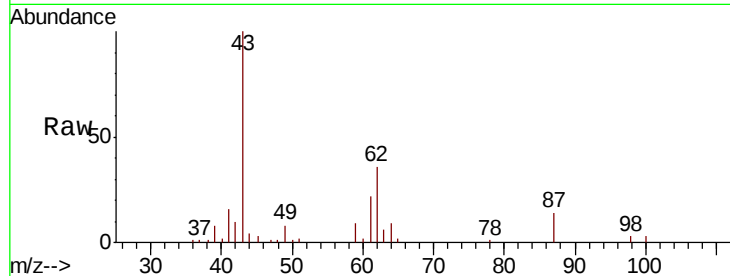
Tot Ion: 43 Resp: 16496

Ion Ratio Lower Upper

43 100

61 33.4 25.4 38.0

87 14.2 11.4 17.0



#44

Trichloroethene

Concen: 49.174 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW007251.D

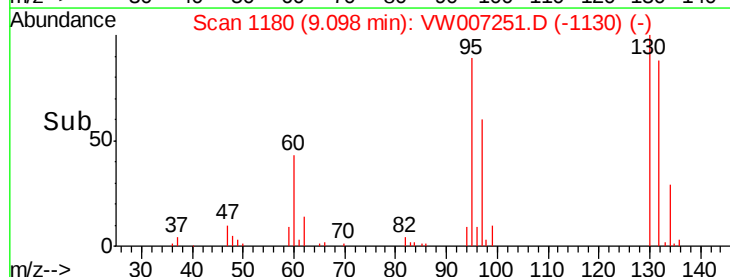
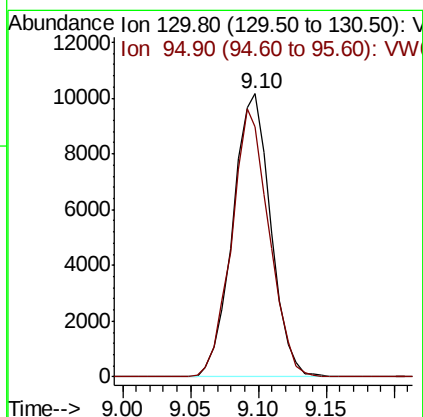
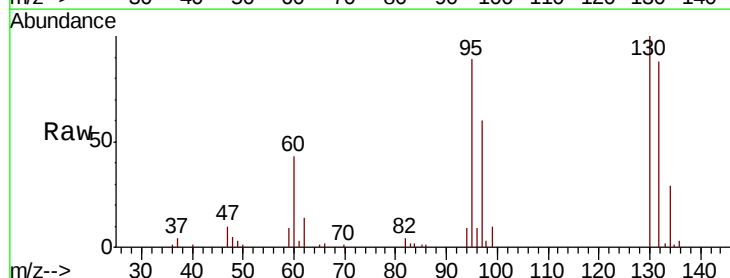
Acq: 05 Dec 2018 23:51

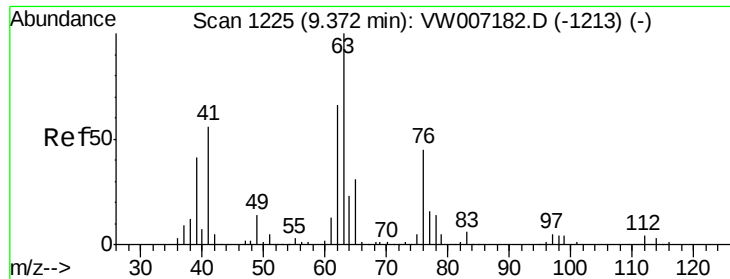
Tgt Ion: 130 Resp: 19759

Ion Ratio Lower Upper

130 100

95 88.5 0.0 194.0

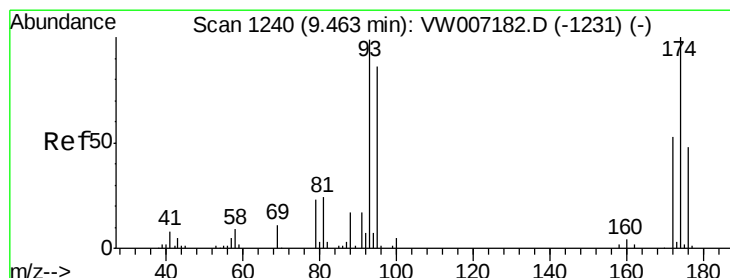
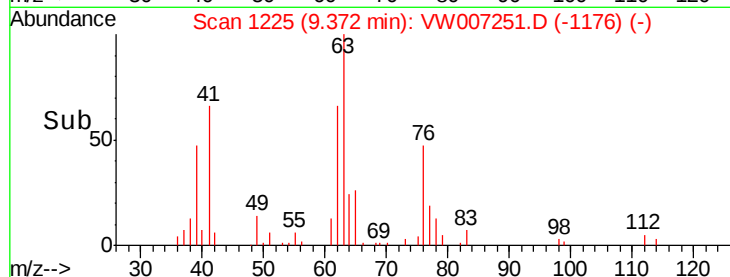
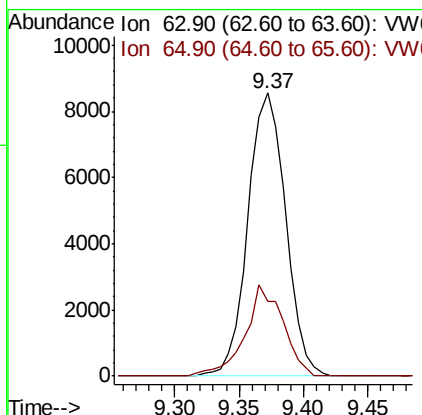
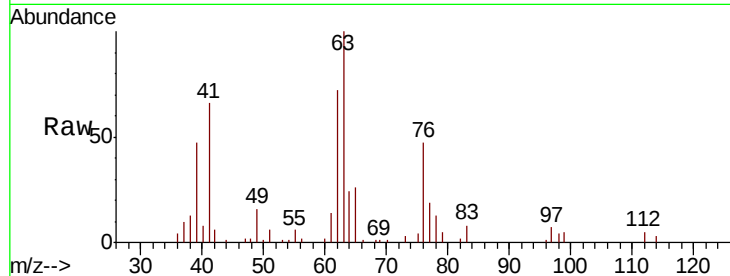




#45
 1,2-Dichloropropane
 Concen: 52.124 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

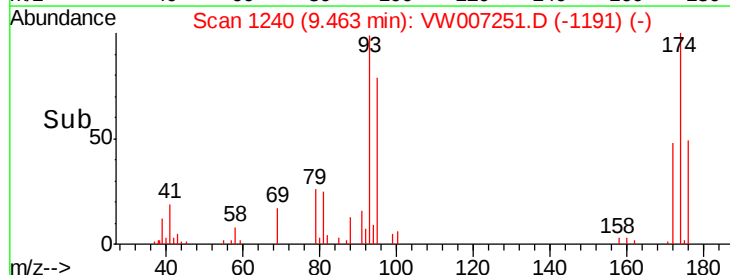
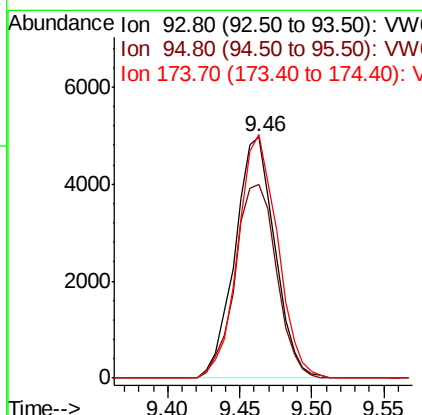
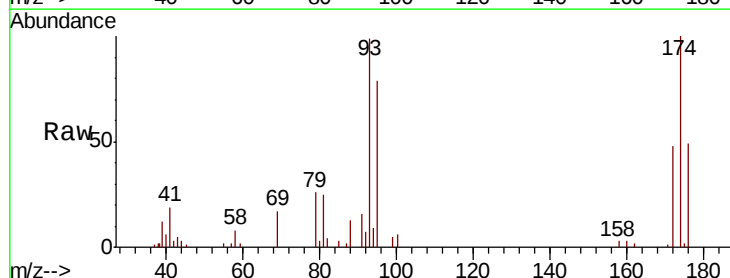
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

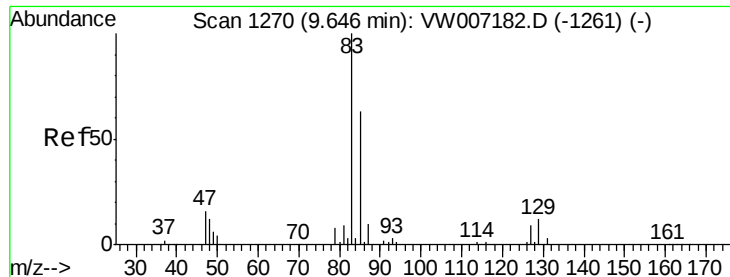
Tot Ion: 63 Resp: 17339
 Ion Ratio Lower Upper
 63 100
 65 26.4 25.0 37.4



#46
 Dibromomethane
 Concen: 55.387 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

Tgt Ion: 93 Resp: 9574
 Ion Ratio Lower Upper
 93 100
 95 83.2 68.7 103.1
 174 99.7 82.9 124.3





#47

Bromodichloromethane

Concen: 53.754 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

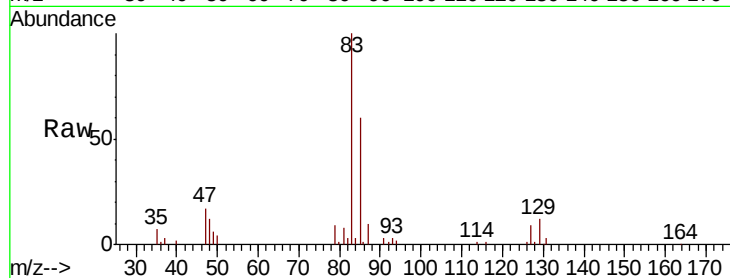
Tot Ion: 83 Resp: 24441

Ion Ratio Lower Upper

83 100

85 60.3 50.6 76.0

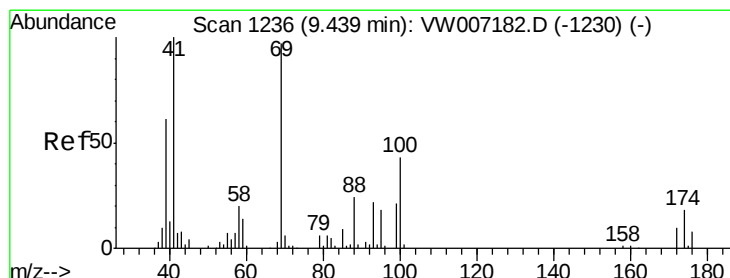
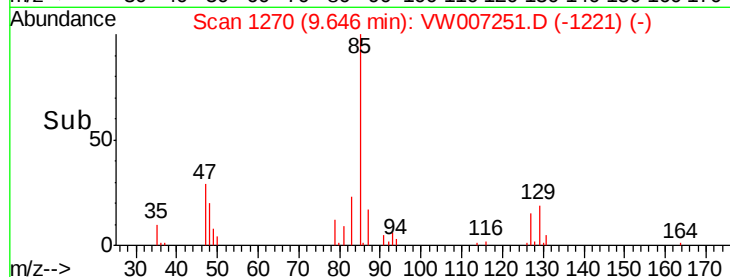
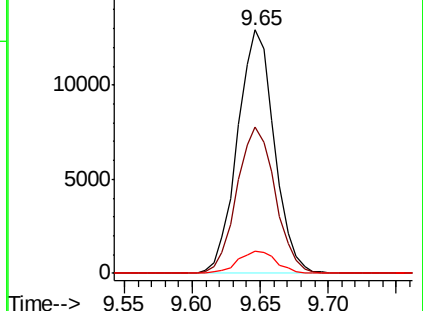
127 9.3 7.3 10.9



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: 56.350 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

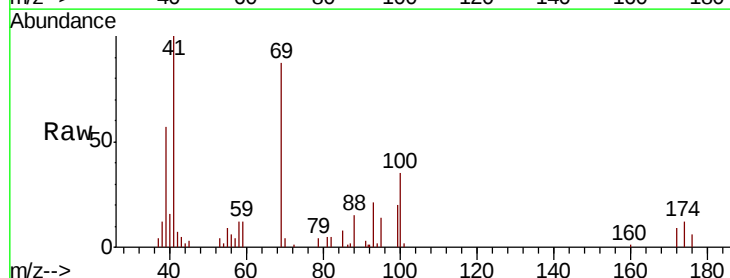
Tgt Ion: 41 Resp: 10711

Ion Ratio Lower Upper

41 100

69 93.9 69.6 104.4

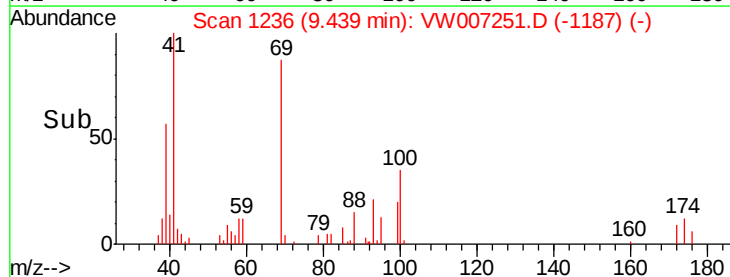
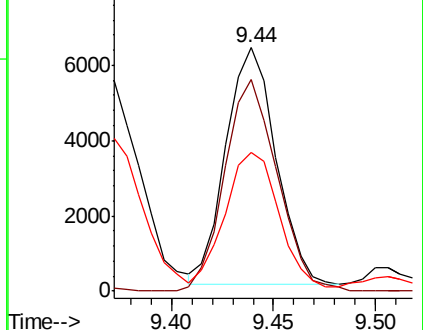
39 65.1 42.4 63.6#

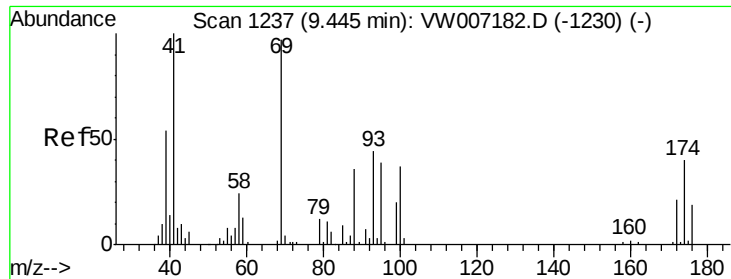


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

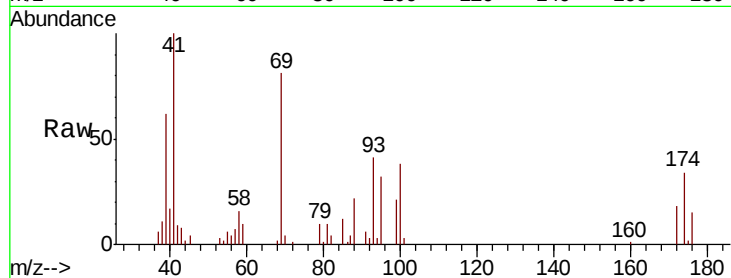




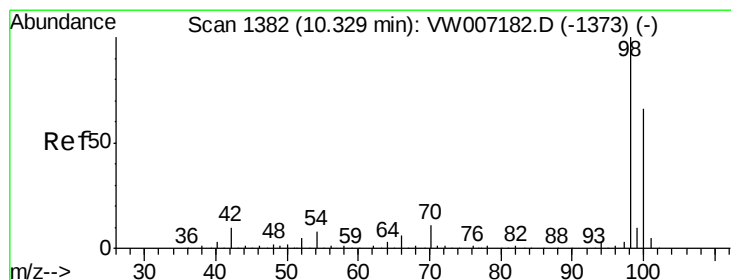
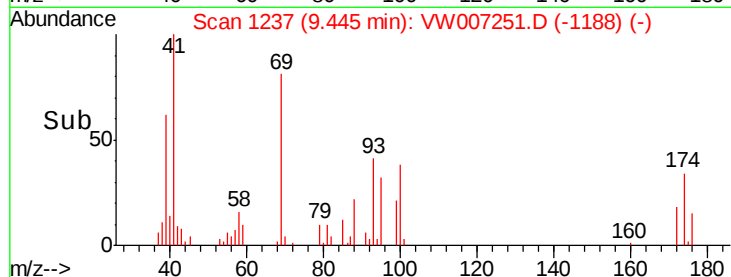
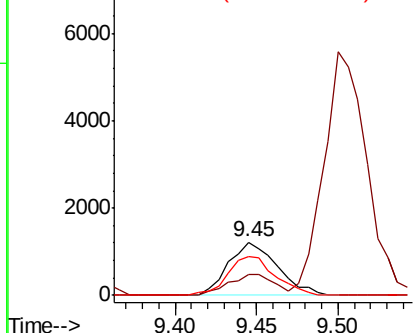
#49
1,4-Dioxane
Concen: 838.521 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

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

Tot Ion: 88 Resp: 2532
Ion Ratio Lower Upper
88 100
43 37.2 25.8 38.8
58 70.9 58.9 88.3

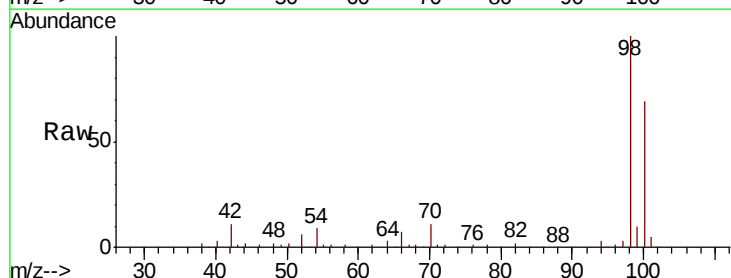


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

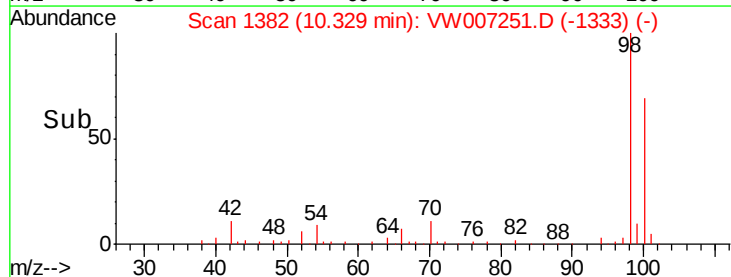
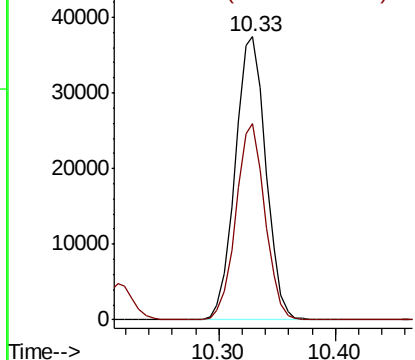


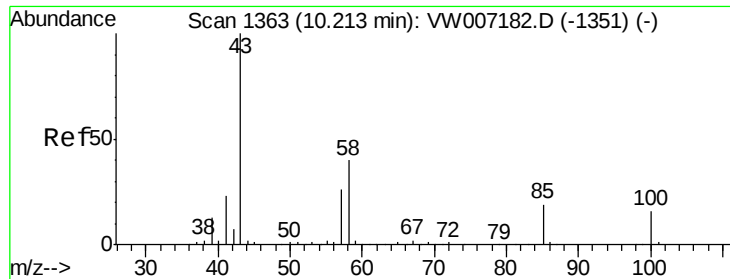
#50
Toluene-d8
Concen: 50.848 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion: 98 Resp: 68713
Ion Ratio Lower Upper
98 100
100 65.6 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: 263.443 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

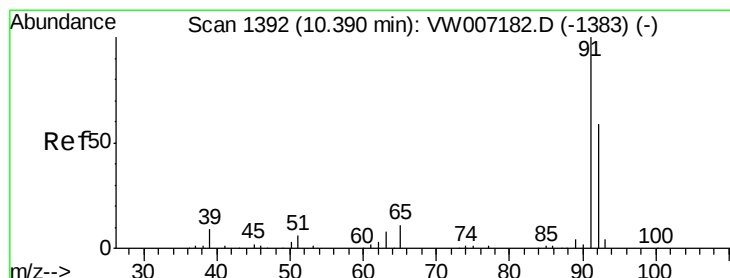
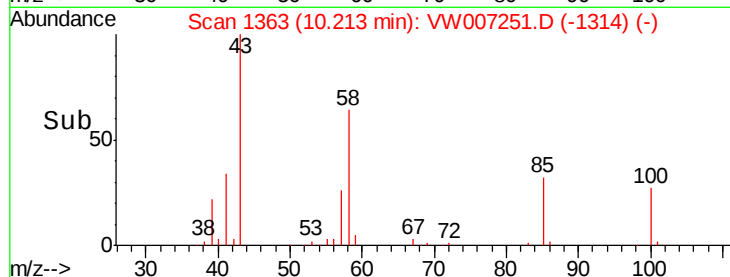
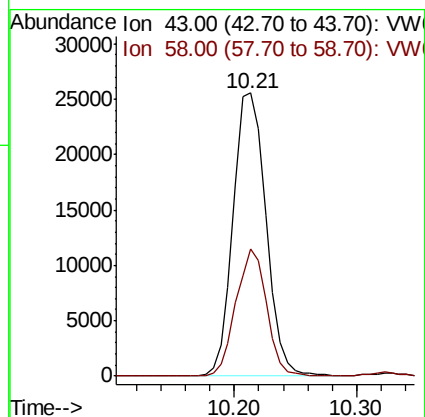
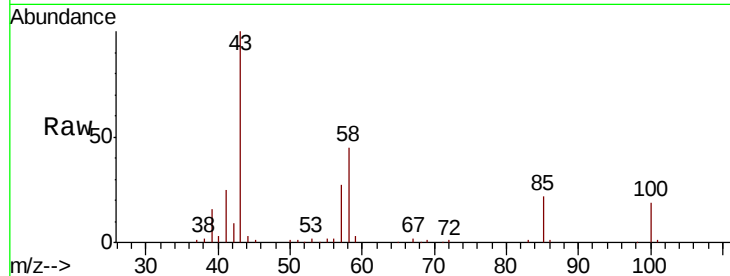
HLSP-SB-5B-(8.5)MSD

Tot Ion: 43 Resp: 47547

Ion Ratio Lower Upper

43 100

58 41.7 32.3 48.5



#52

Toluene

Concen: 47.456 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007251.D

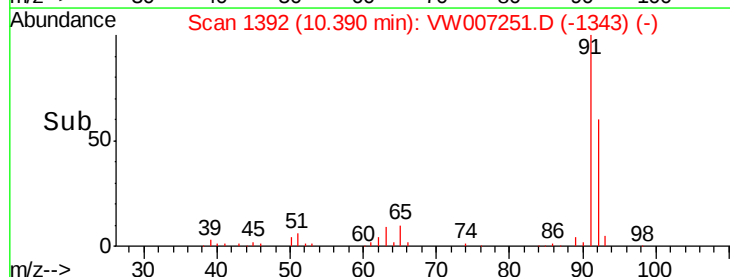
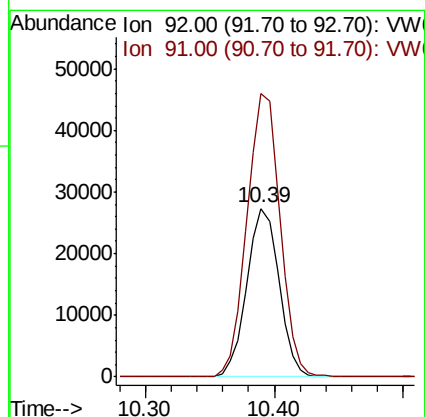
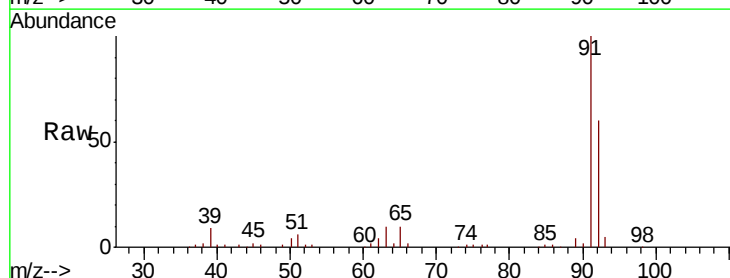
Acq: 05 Dec 2018 23:51

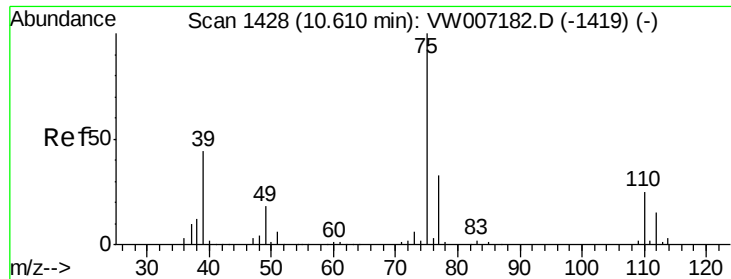
Tgt Ion: 92 Resp: 47189

Ion Ratio Lower Upper

92 100

91 172.9 136.0 204.0

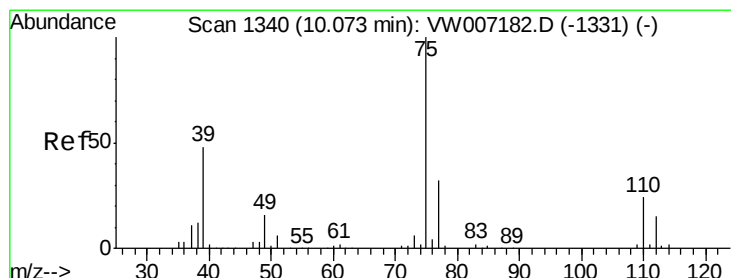
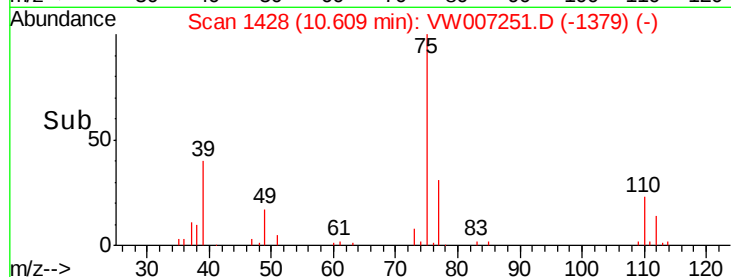
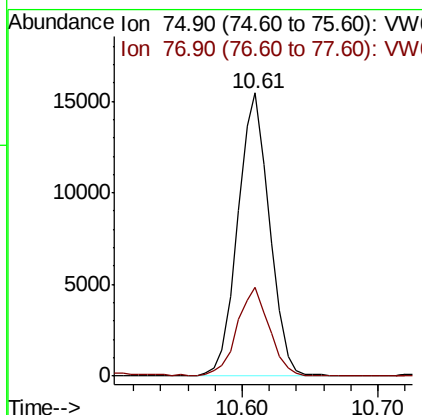
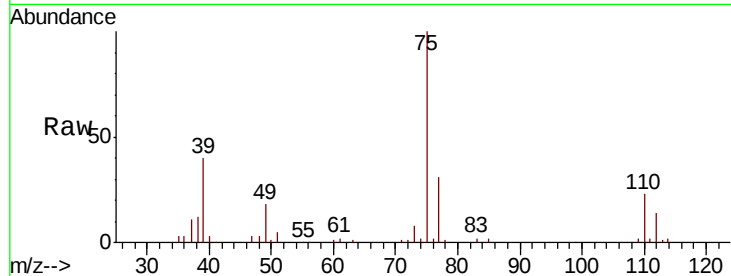




#53
t-1,3-Dichloropropene
Concen: 54.877 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

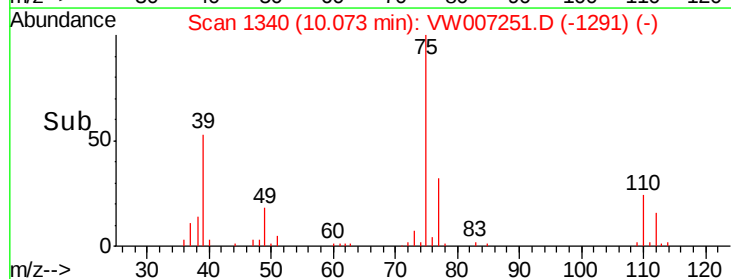
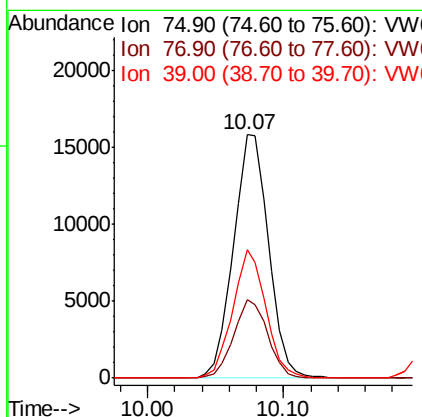
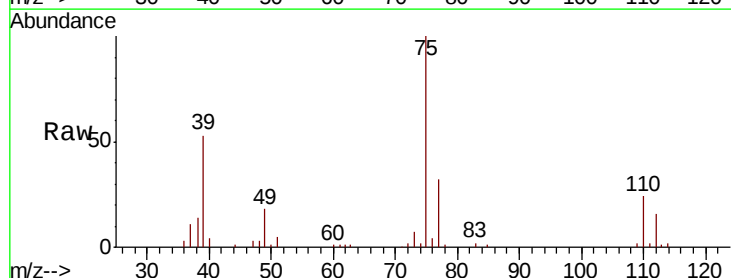
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

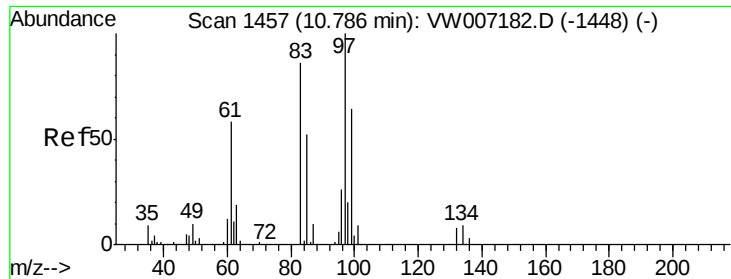
Tot Ion: 75 Resp: 25086
Ion Ratio Lower Upper
75 100
77 31.5 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 53.147 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion: 75 Resp: 28472
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0
39 52.9 38.0 57.0

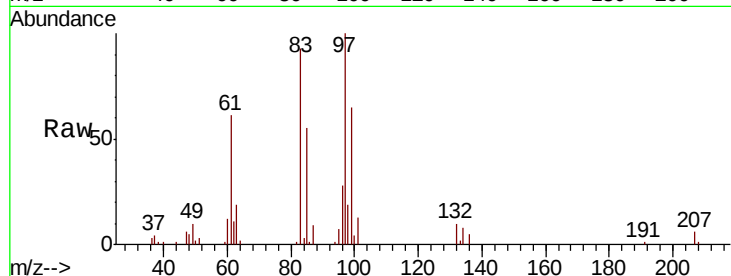




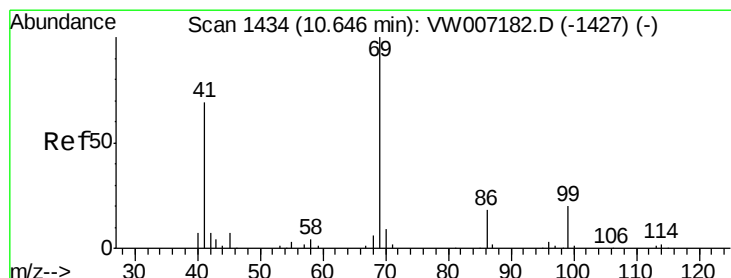
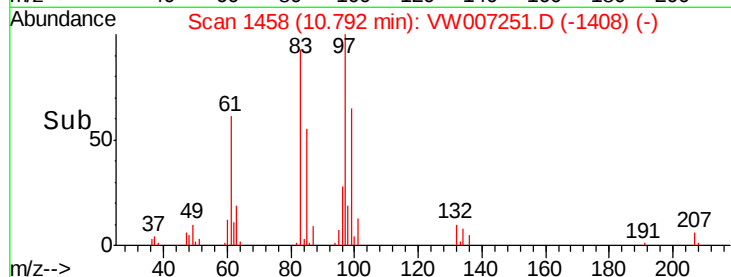
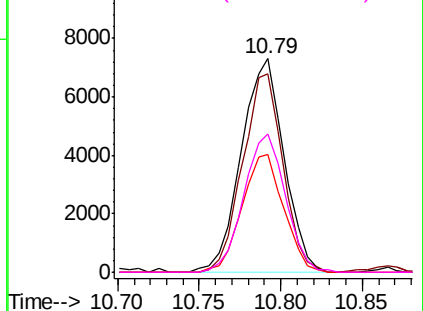
#55
 1,1,2-Trichloroethane
 Concen: 54.235 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

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

Tot Ion: 97 Resp: 13335
 Ion Ratio Lower Upper
 97 100
 83 92.9 68.6 102.8
 85 55.0 41.4 62.2
 99 64.6 51.2 76.8

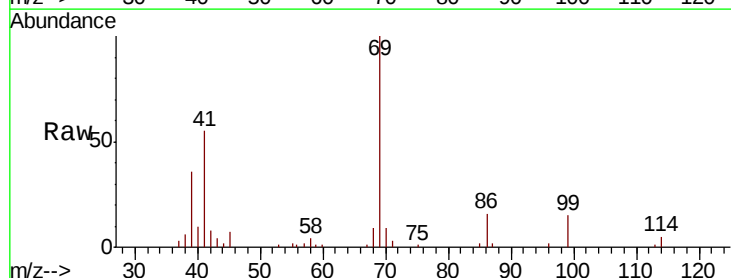


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

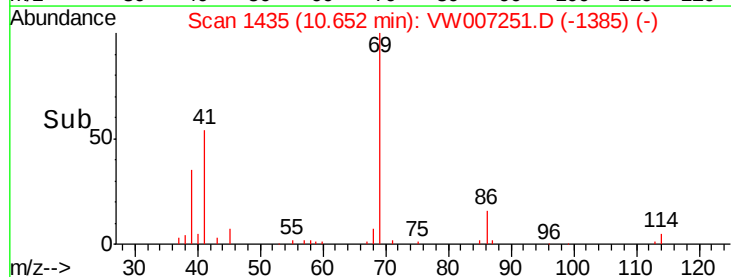
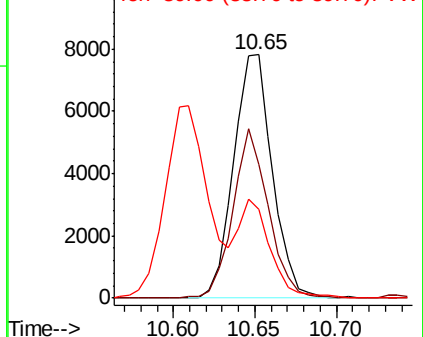


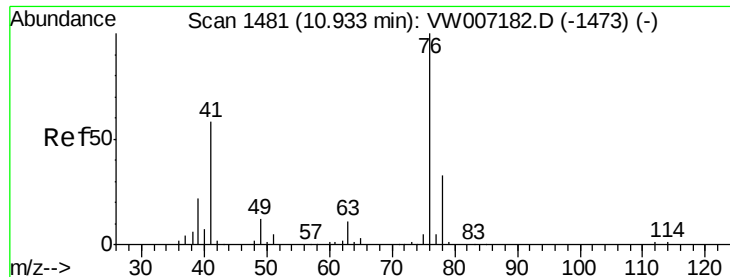
#56
 Ethyl methacrylate
 Concen: 40.215 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

Tgt Ion: 69 Resp: 12898
 Ion Ratio Lower Upper
 69 100
 41 63.4 51.8 77.6
 39 33.7 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: 55.388 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

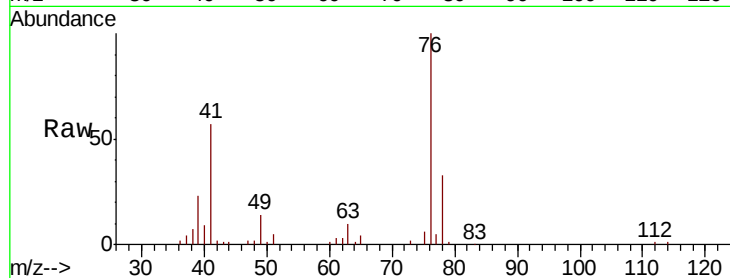
HLSP-SB-5B-(8.5)MSD

Tot Ion: 76 Resp: 22992

Ion Ratio Lower Upper

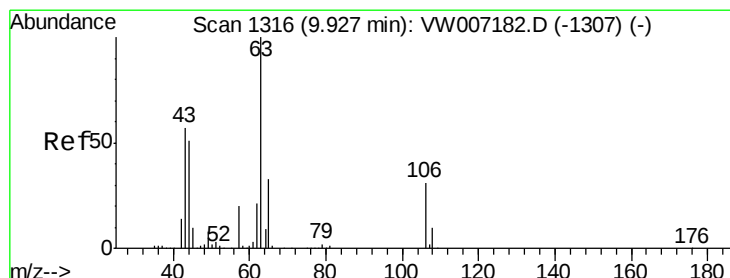
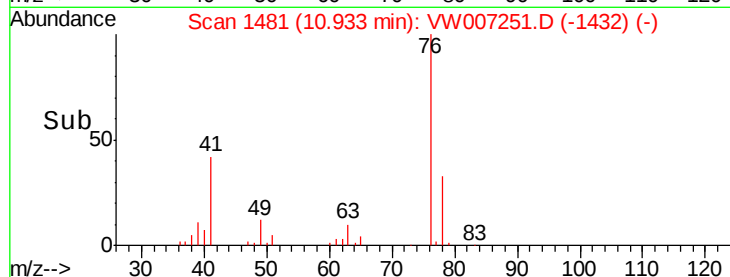
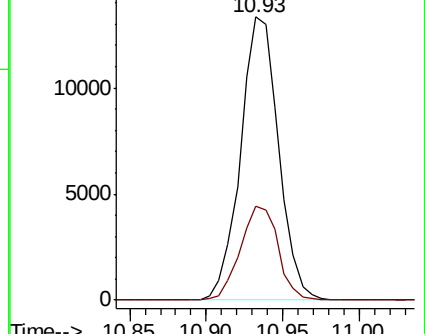
76 100

78 32.9 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 280.996 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007251.D

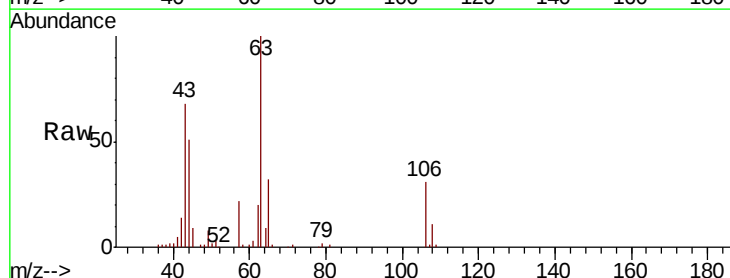
Acq: 05 Dec 2018 23:51

Tgt Ion: 63 Resp: 36199

Ion Ratio Lower Upper

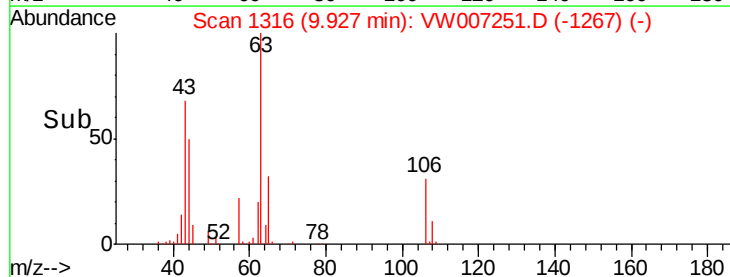
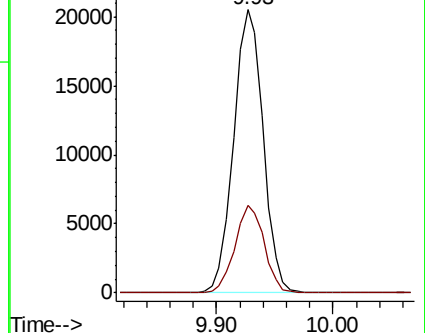
63 100

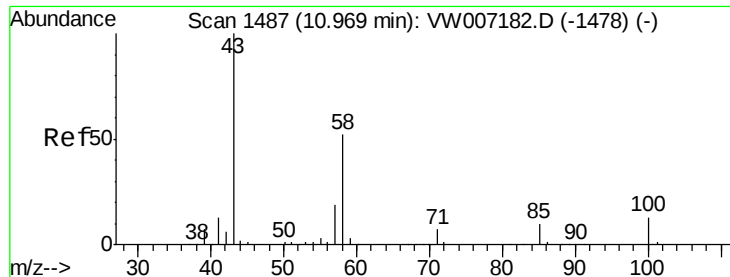
106 30.5 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

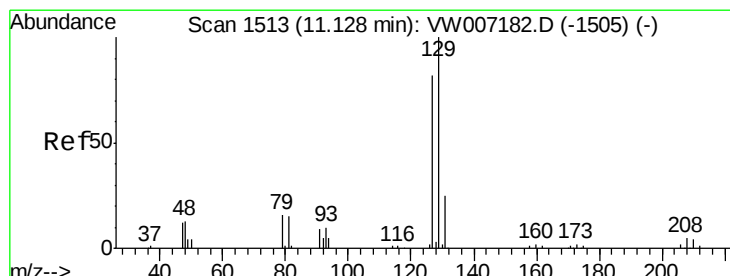
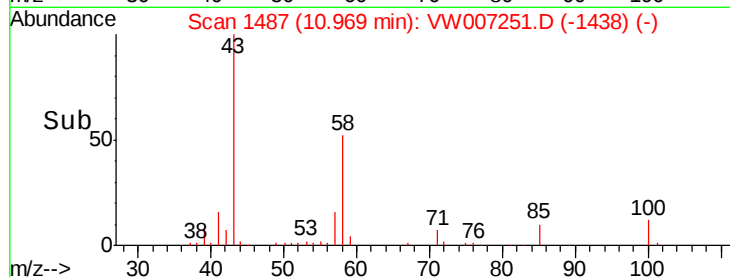
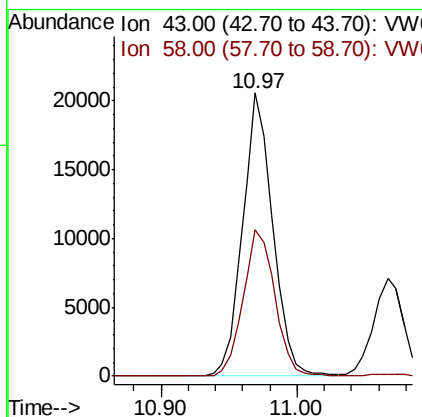
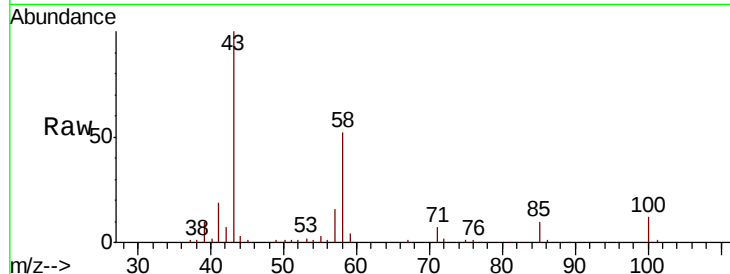




#59
2-Hexanone
Concen: 243.268 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

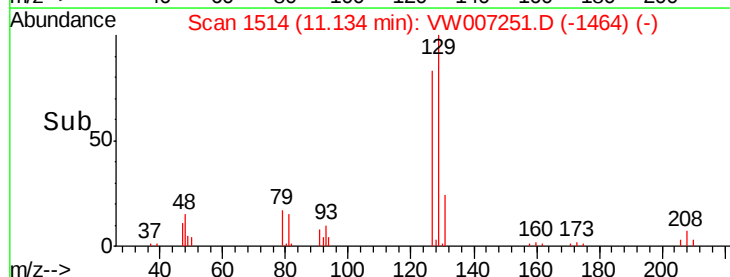
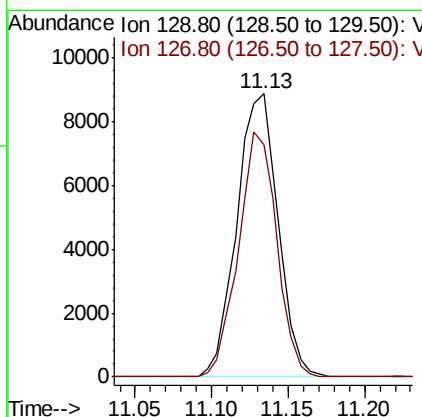
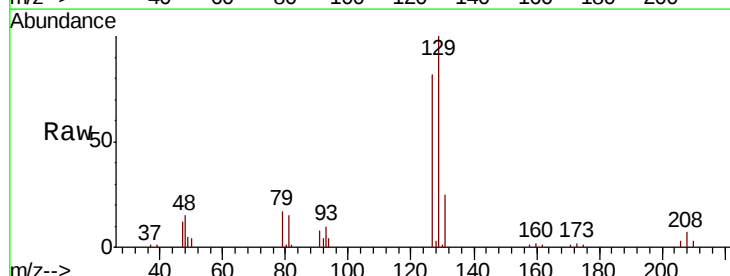
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

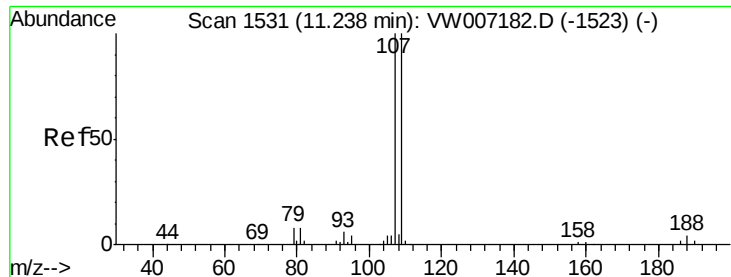
Tot Ion: 43 Resp: 31828
Ion Ratio Lower Upper
43 100
58 54.6 28.1 84.4



#60
Dibromochloromethane
Concen: 55.045 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion: 129 Resp: 16634
Ion Ratio Lower Upper
129 100
127 80.3 39.8 119.4

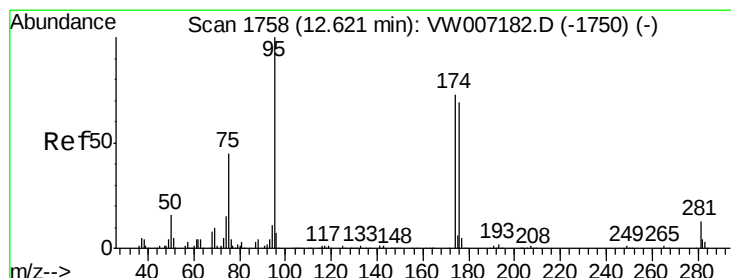
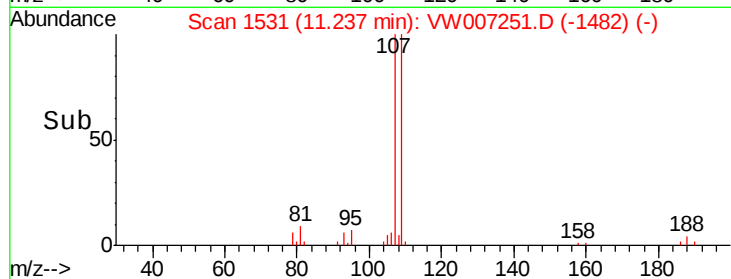
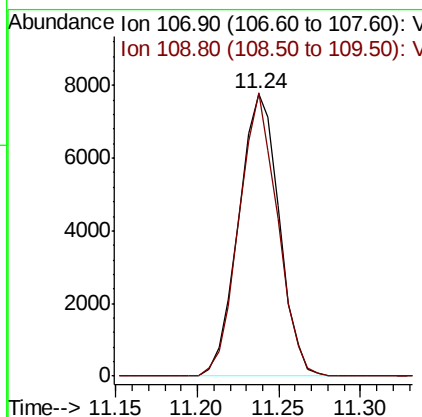
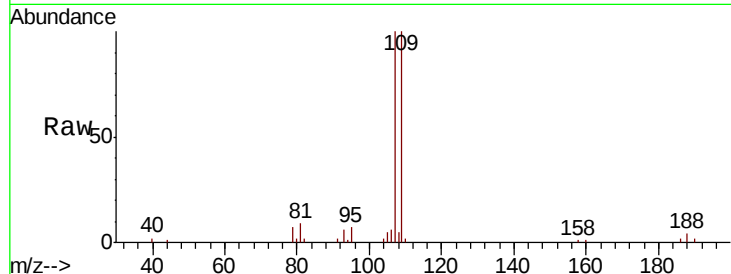




#61
 1,2-Dibromoethane
 Concen: 56.949 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

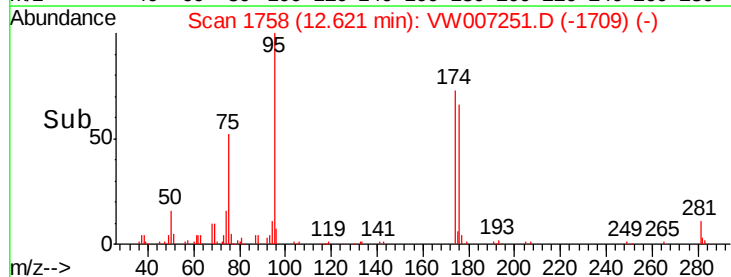
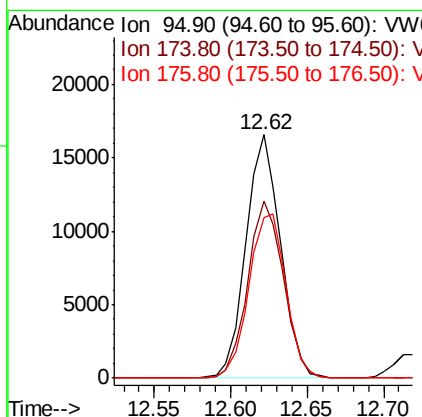
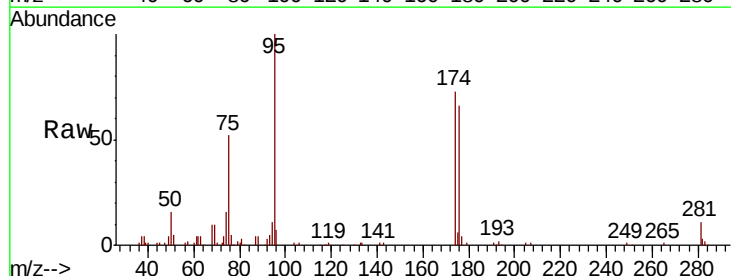
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

Tot Ion: 107 Resp: 13430
 Ion Ratio Lower Upper
 107 100
 109 95.5 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 50.973 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

Tgt Ion: 95 Resp: 25999
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 148.0
 176 72.5 0.0 139.4

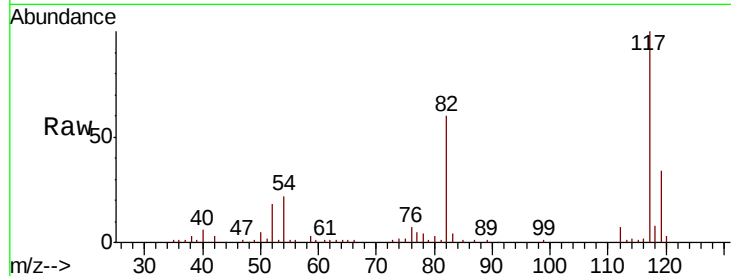




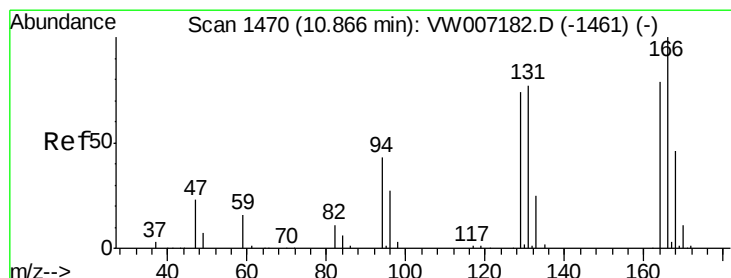
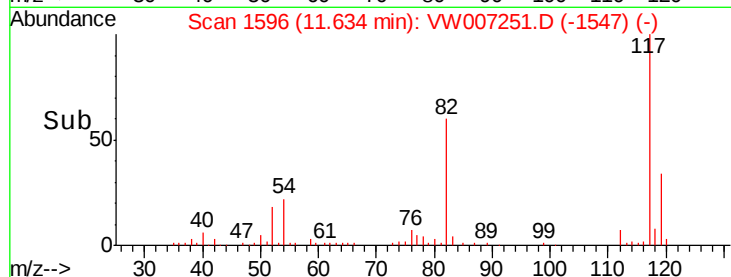
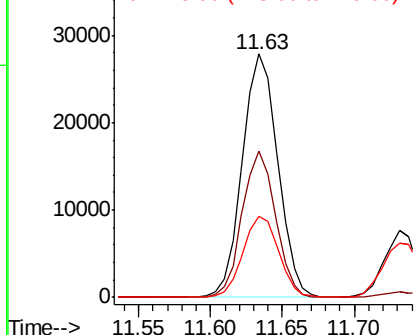
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

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

Tot Ion:117 Resp: 47614
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.2
119 33.5 26.8 40.2

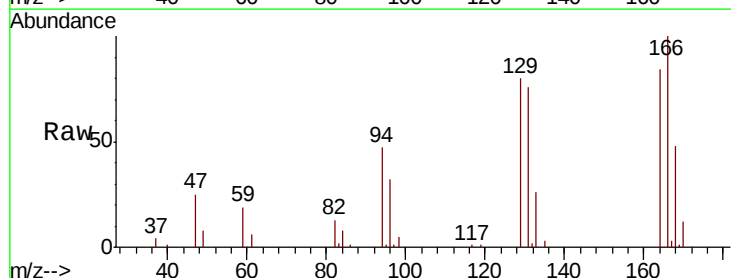


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

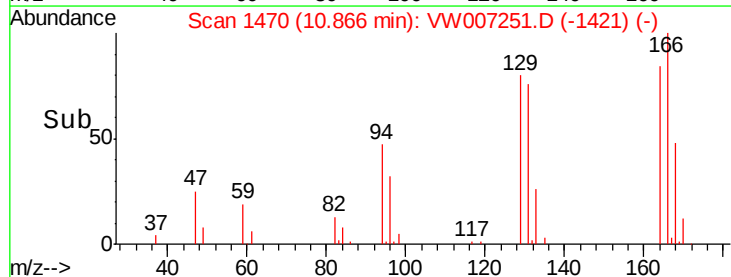
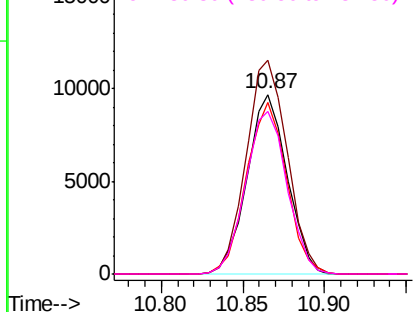


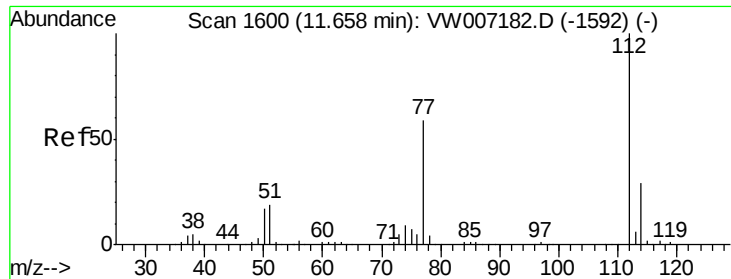
#64
Tetrachloroethene
Concen: 47.575 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion:164 Resp: 16550
Ion Ratio Lower Upper
164 100
166 119.0 101.0 151.4
129 95.3 74.6 111.8
131 90.7 77.6 116.4



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

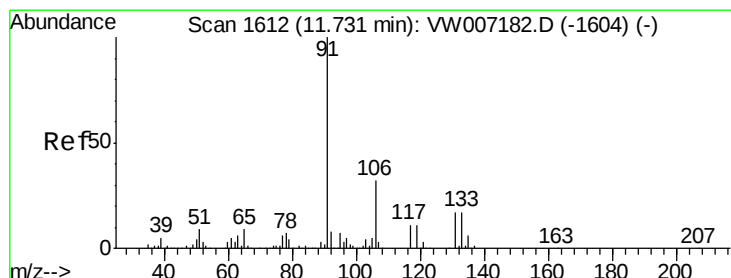
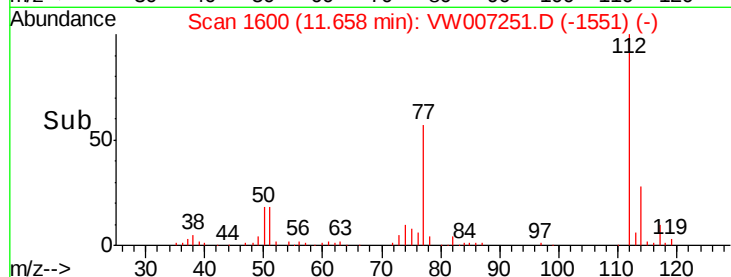
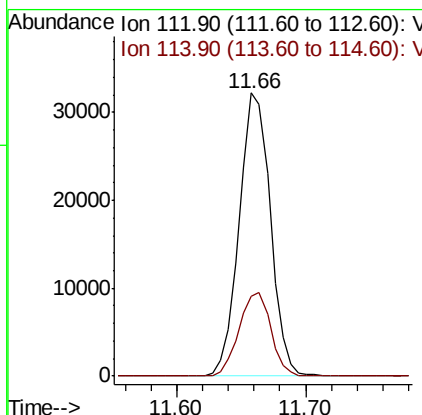
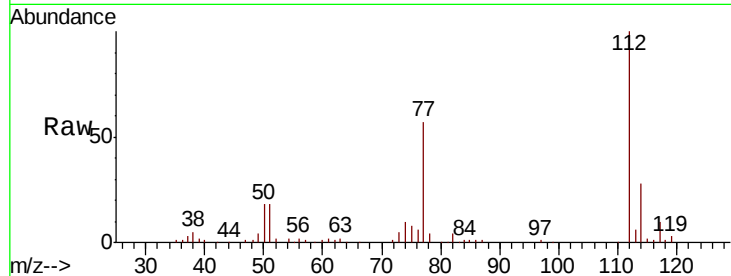




#65
Chlorobenzene
Concen: 50.696 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

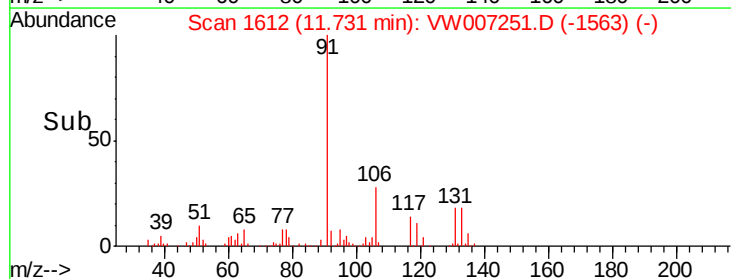
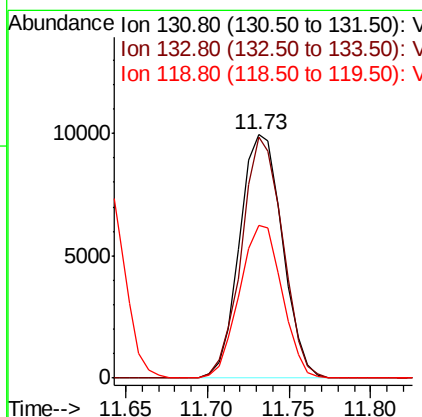
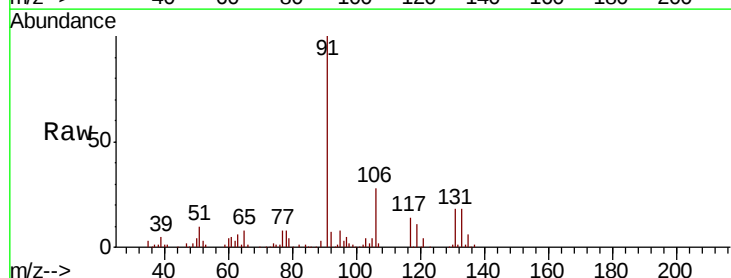
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

Tot Ion:112 Resp: 53910
Ion Ratio Lower Upper
112 100
114 28.2 23.0 34.4



#66
1,1,1,2-Tetrachloroethane
Concen: 55.320 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion:131 Resp: 18168
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.2
119 62.6 32.8 98.4

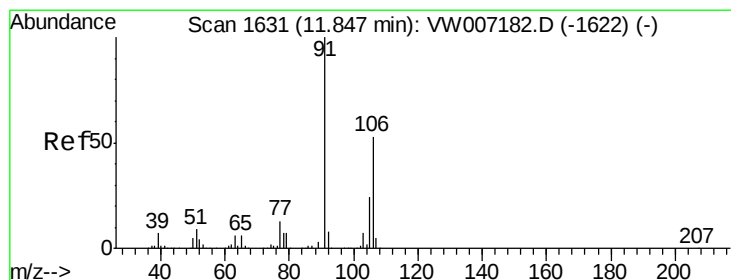
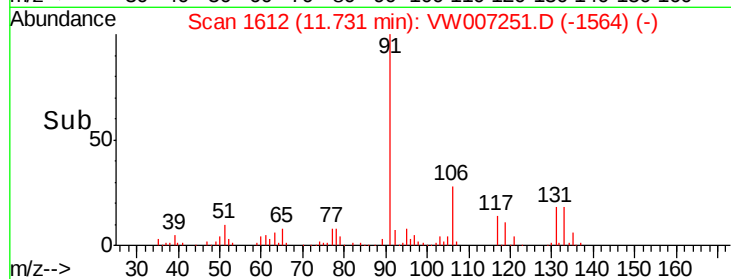
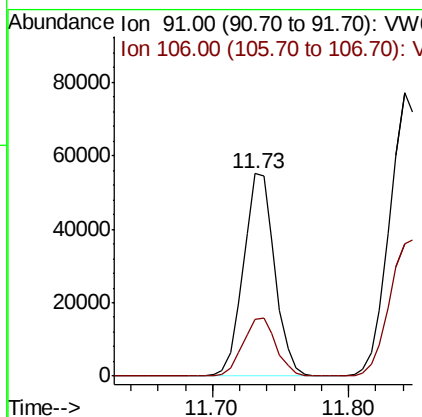
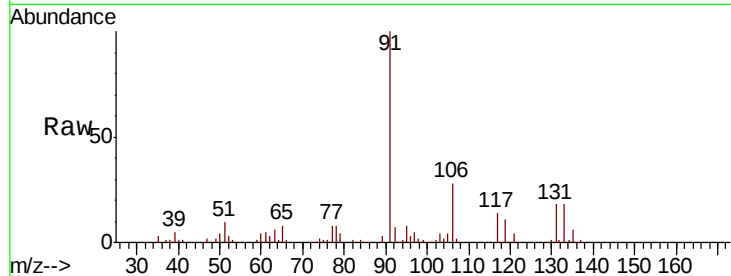




#67
Ethyl Benzene
Concen: 45.693 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

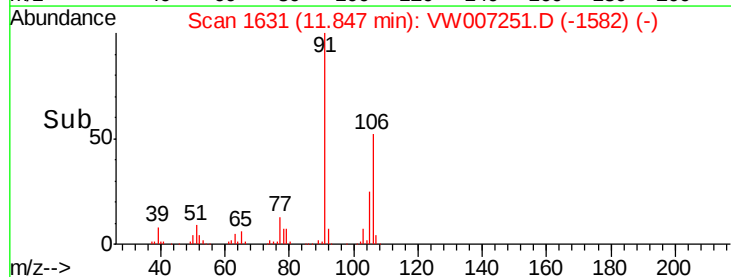
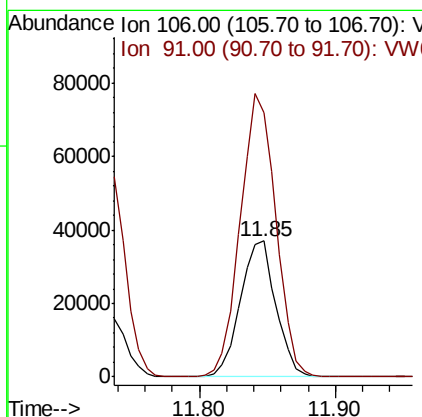
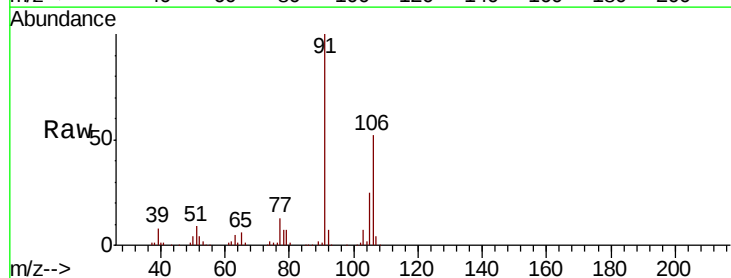
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

Tot Ion: 91 Resp: 88560
Ion Ratio Lower Upper
91 100
106 28.2 26.0 39.0



#68
m/p-Xylenes
Concen: 88.894 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion:106 Resp: 67590
Ion Ratio Lower Upper
106 100
91 208.6 160.2 240.4

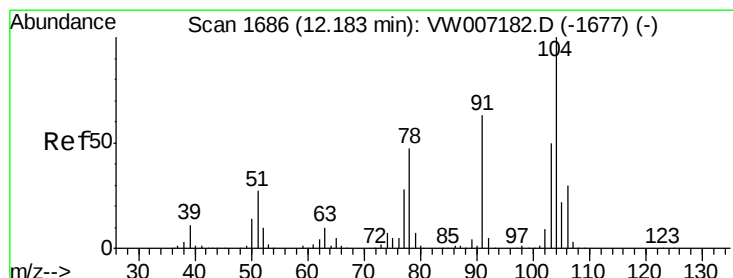
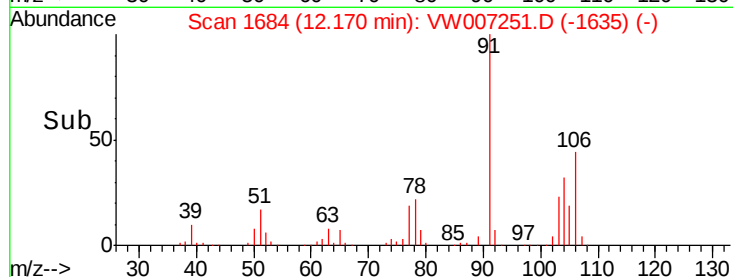
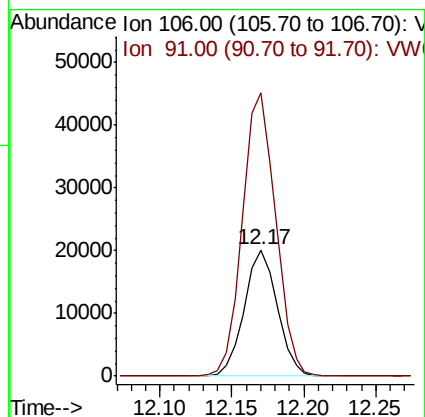
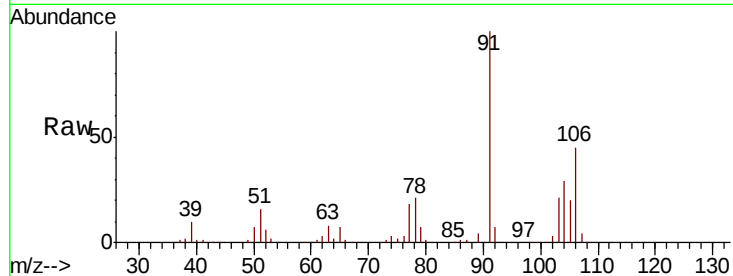




#69
o-Xylene
Concen: 45.140 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

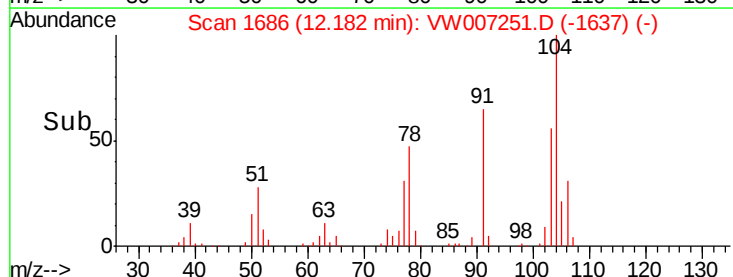
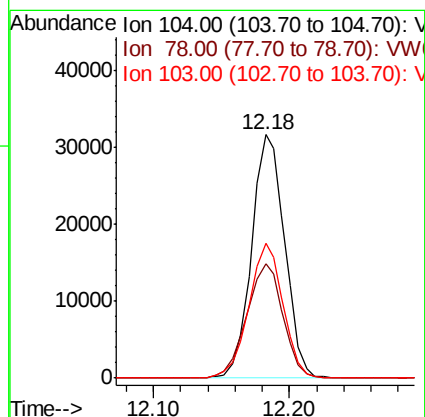
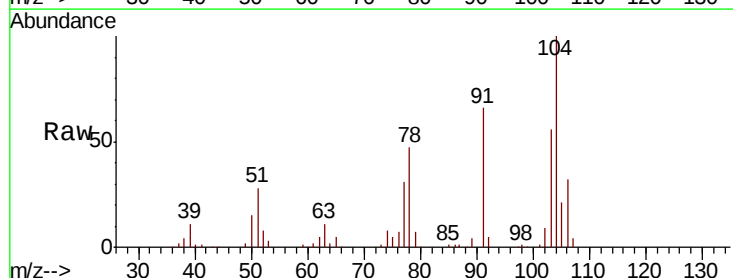
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

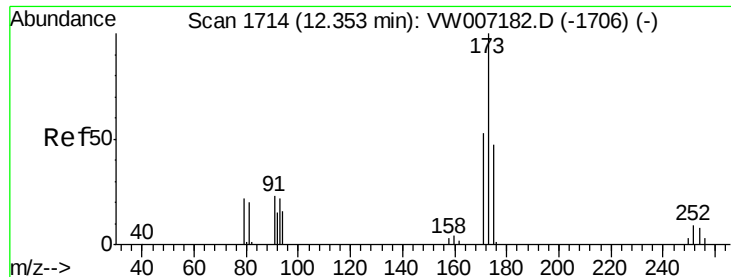
Tot Ion:106 Resp: 32067
Ion Ratio Lower Upper
106 100
91 225.7 104.9 314.7



#70
Styrene
Concen: 46.278 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion:104 Resp: 53815
Ion Ratio Lower Upper
104 100
78 51.5 40.6 60.8
103 57.3 43.0 64.4





#71

Bromoform

Concen: 57.371 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

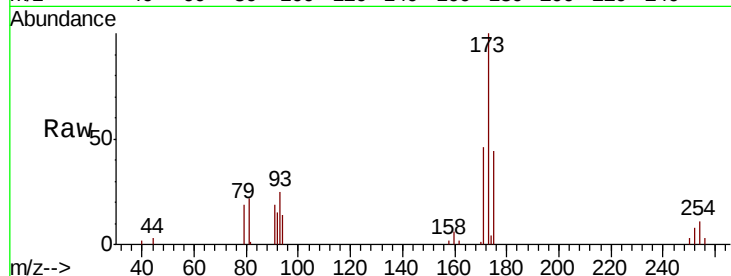
Tot Ion:173 Resp: 9432

Ion Ratio Lower Upper

173 100

175 46.5 24.0 72.0

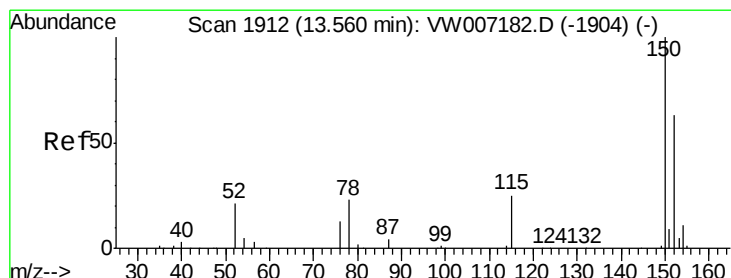
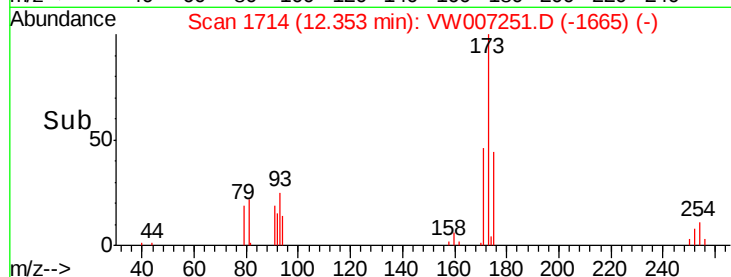
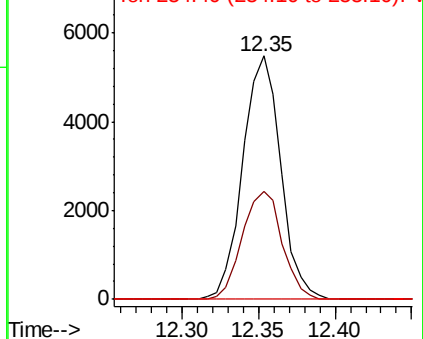
254 0.0 0.0 0.0



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: VW007251.D

Acq: 05 Dec 2018 23:51

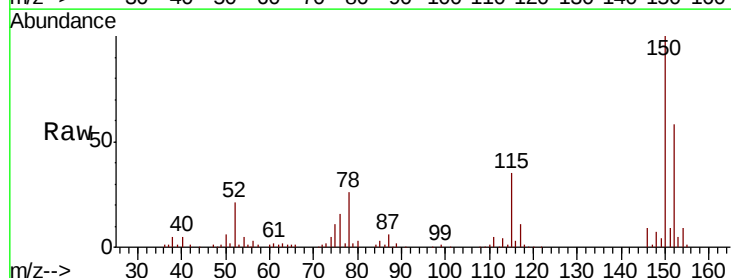
Tgt Ion:152 Resp: 23159

Ion Ratio Lower Upper

152 100

115 62.6 31.3 93.8

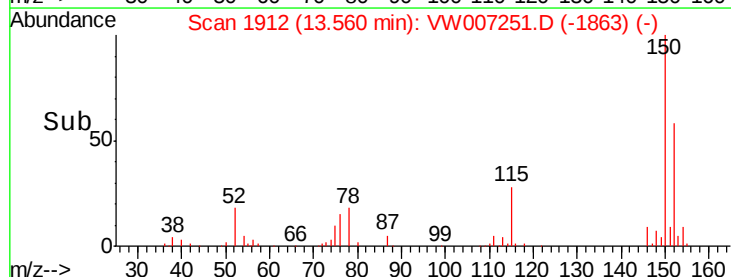
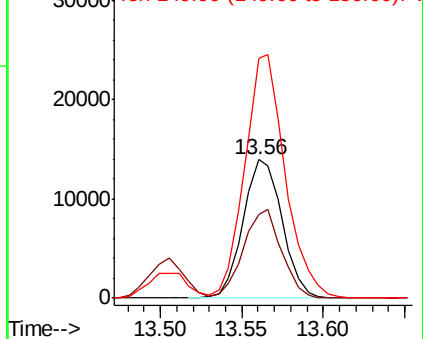
150 182.2 0.0 358.0

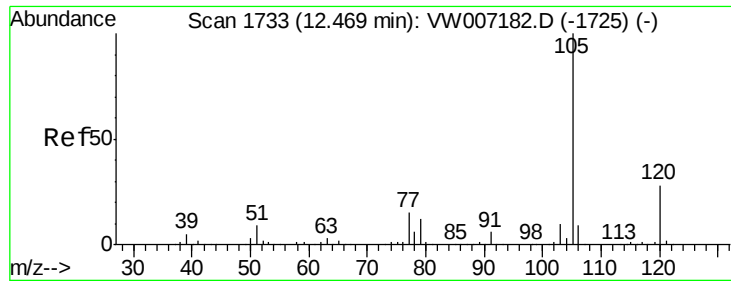


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.236 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

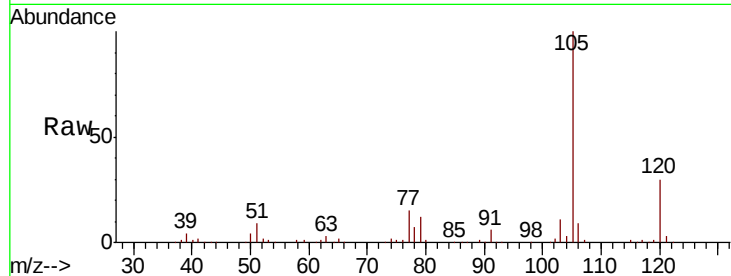
HLSP-SB-5B-(8.5)MSD

Tot Ion:105 Resp: 87090

Ion Ratio Lower Upper

105 100

120 27.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

20000

10000

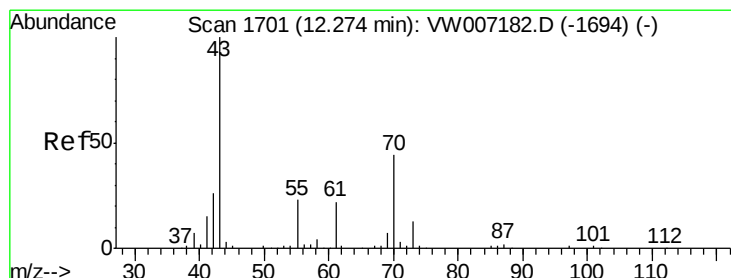
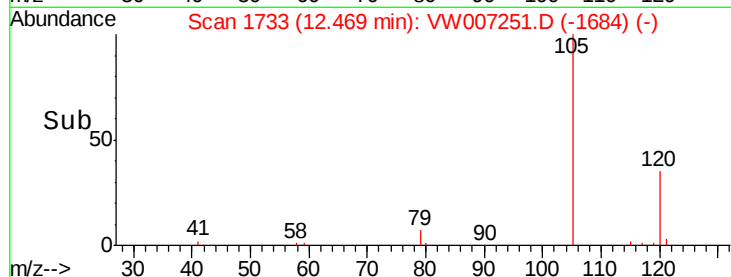
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 30.971 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Tgt Ion: 43 Resp: 10343

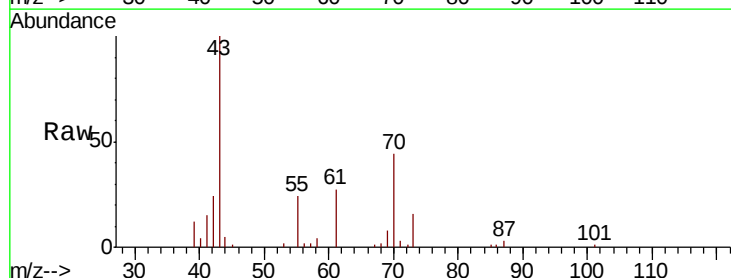
Ion Ratio Lower Upper

43 100

70 45.2 34.0 51.0

55 24.7 19.0 28.6

61 24.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

10000

8000

6000

4000

2000

0

12.28

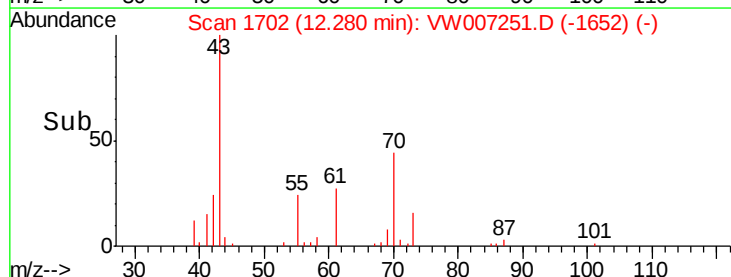
12.20

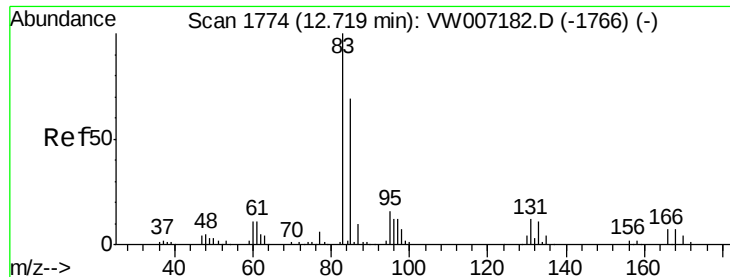
12.25

12.30

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 60.018 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

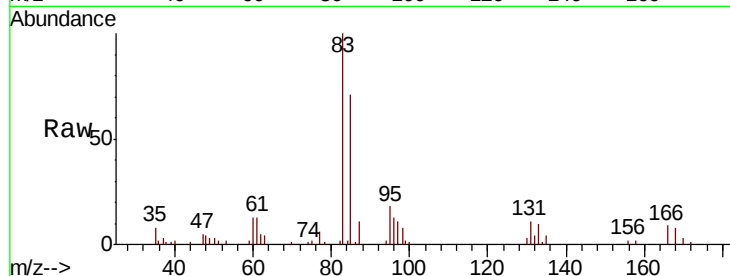
Tot Ion: 83 Resp: 14682

Ion Ratio Lower Upper

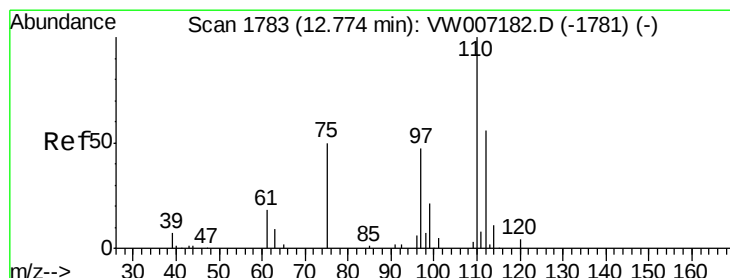
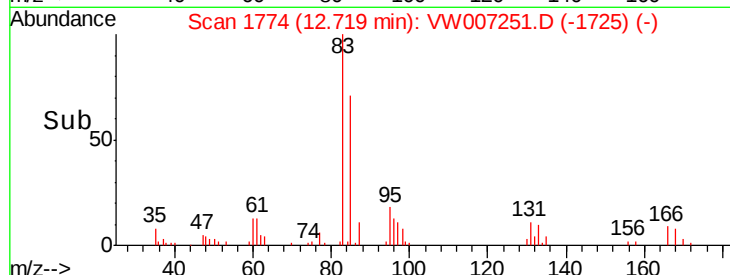
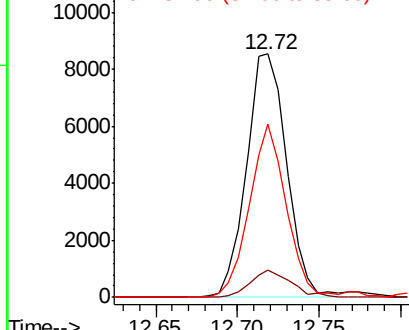
83 100

131 11.3 6.0 18.1

85 65.0 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: 112.217 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007251.D

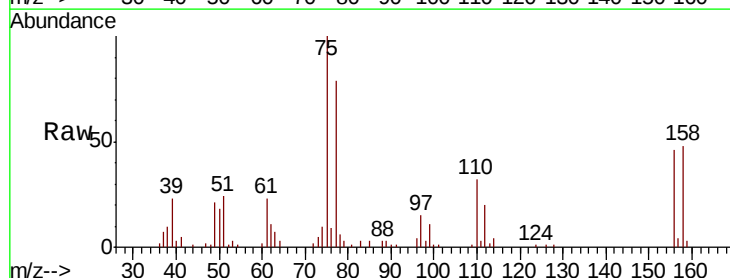
Acq: 05 Dec 2018 23:51

Tgt Ion: 75 Resp: 20123

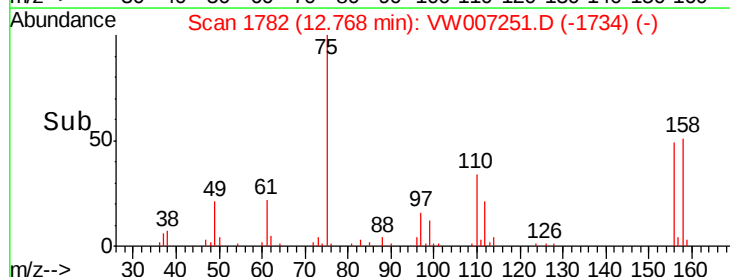
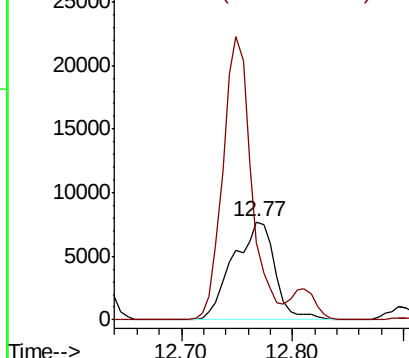
Ion Ratio Lower Upper

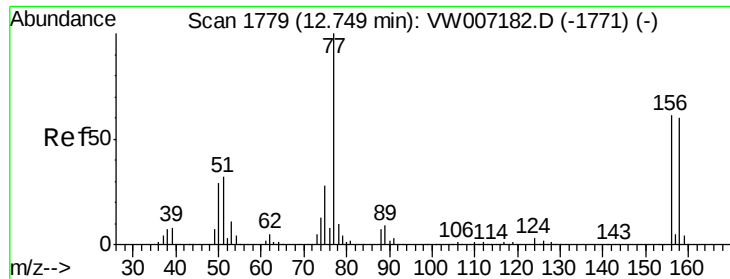
75 100

77 198.4 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: 55.175 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

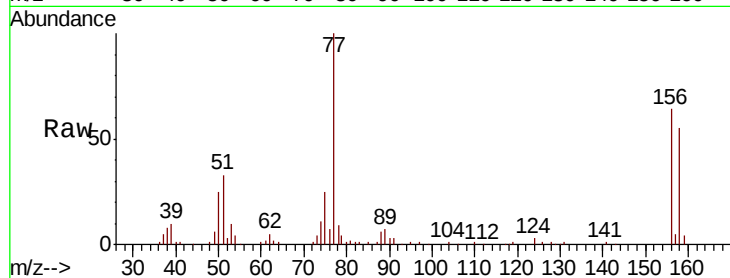
Tot Ion:156 Resp: 22433

Ion Ratio Lower Upper

156 100

77 177.9 92.0 276.1

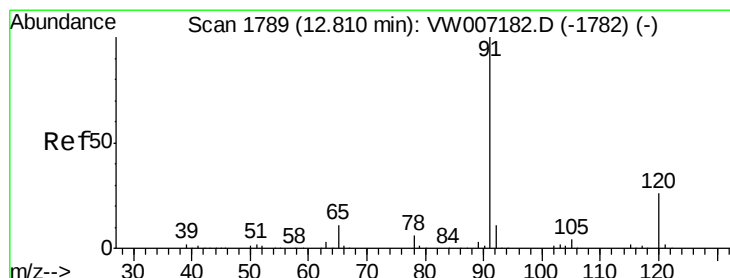
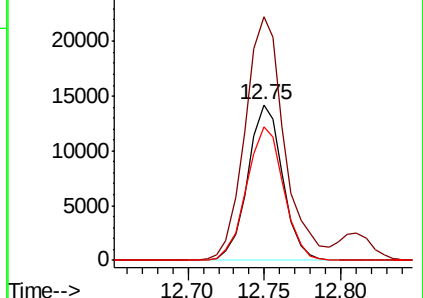
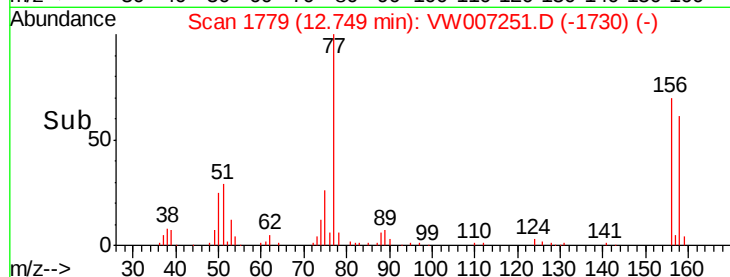
158 91.0 49.0 147.0



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: 43.100 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007251.D

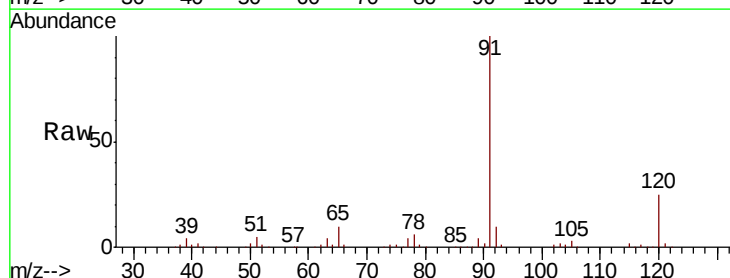
Acq: 05 Dec 2018 23:51

Tgt Ion: 91 Resp: 96720

Ion Ratio Lower Upper

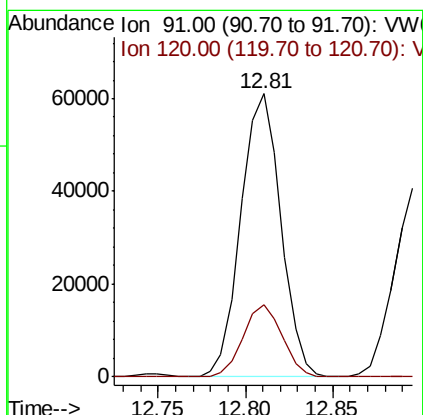
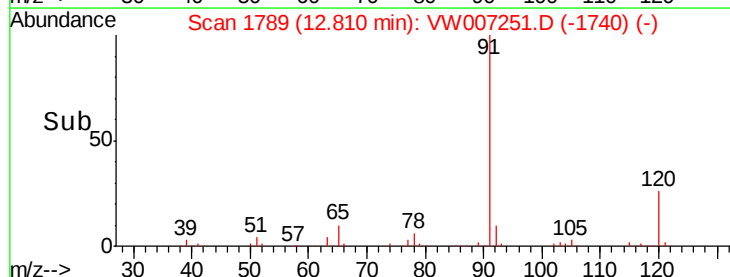
91 100

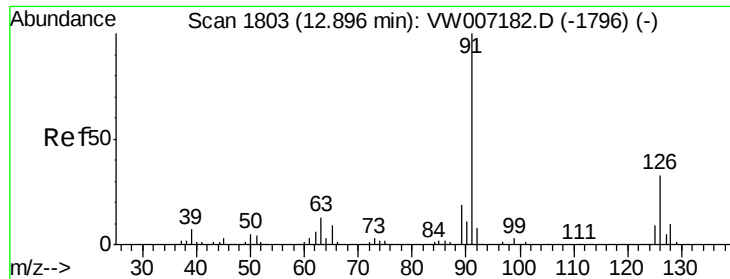
120 24.9 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

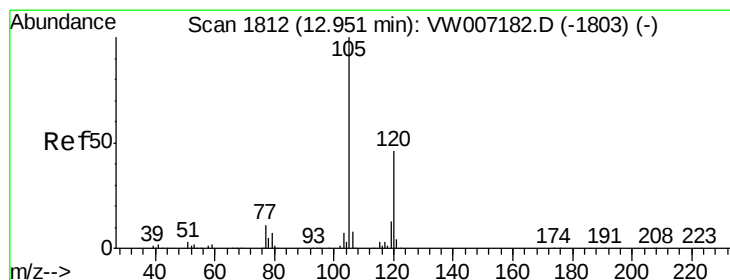
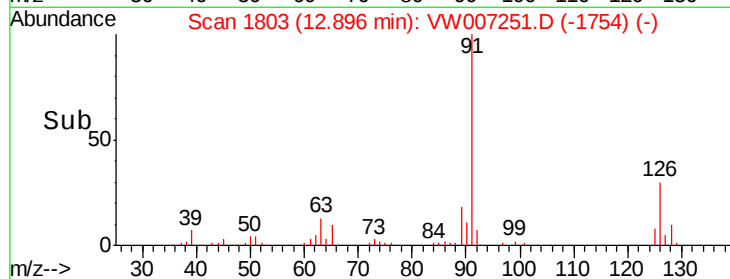
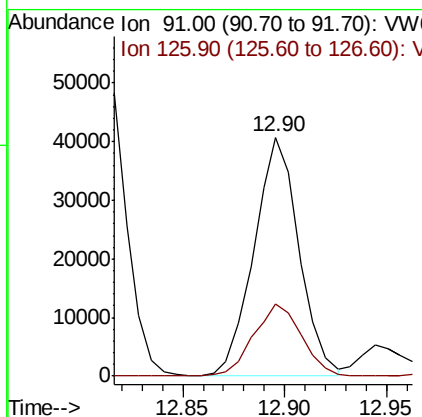
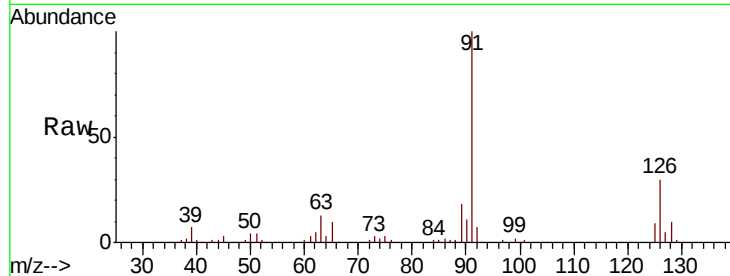




#79
 2-Chlorotoluene
 Concen: 49.278 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

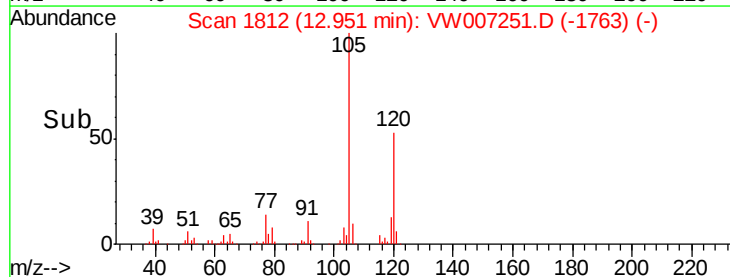
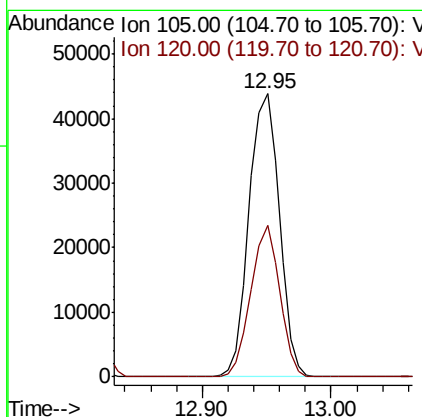
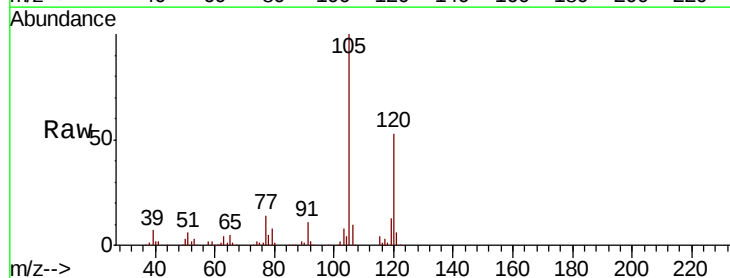
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

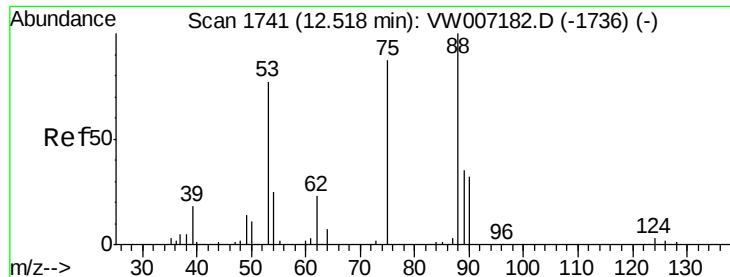
Tot Ion: 91 Resp: 62447
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 44.184 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

Tgt Ion:105 Resp: 71197
 Ion Ratio Lower Upper
 105 100
 120 50.9 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 51.299 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

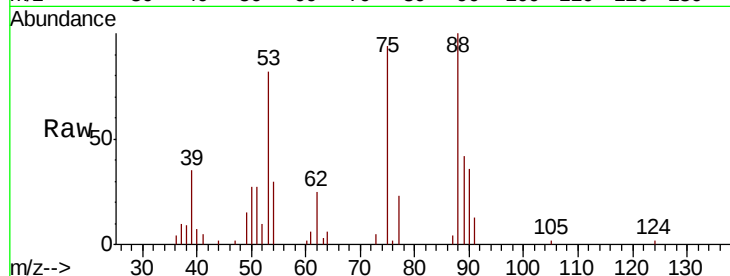
Tot Ion: 75 Resp: 4268

Ion Ratio Lower Upper

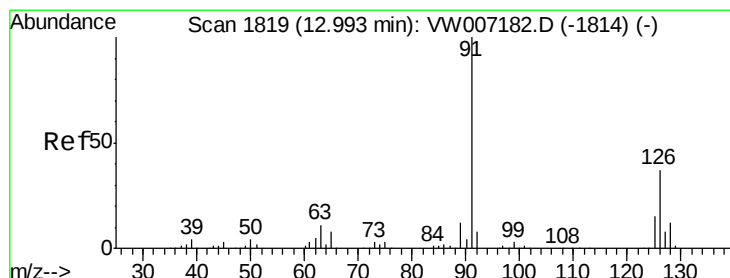
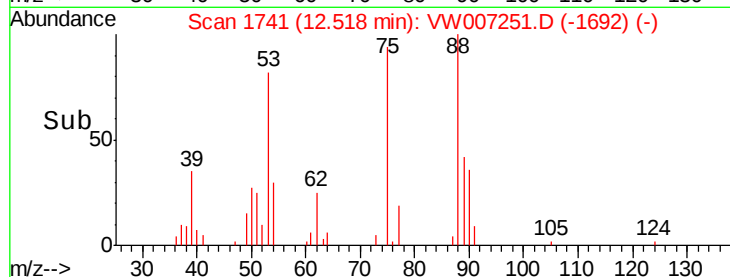
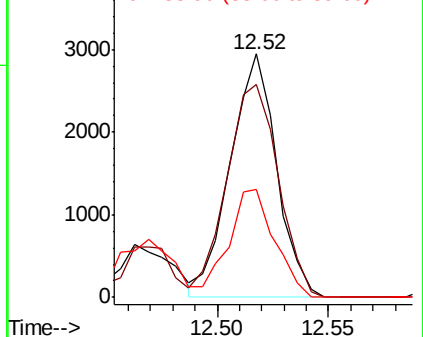
75 100

53 97.6 72.8 109.2

89 43.3 36.4 54.6



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



#82

4-Chlorotoluene

Concen: 47.632 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007251.D

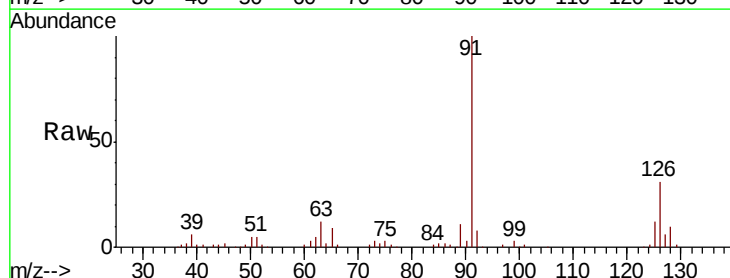
Acq: 05 Dec 2018 23:51

Tgt Ion: 91 Resp: 64214

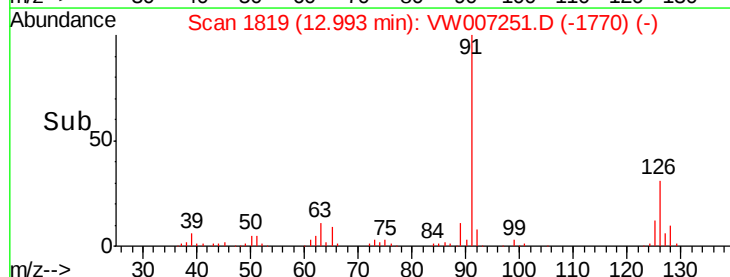
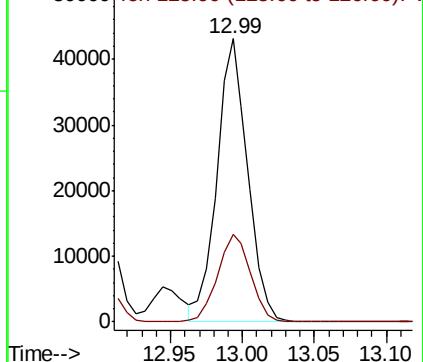
Ion Ratio Lower Upper

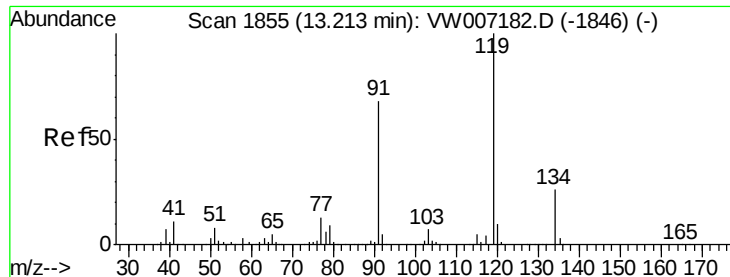
91 100

126 33.4 17.4 52.3



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





#83

tert-Butylbenzene

Concen: 46.006 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

HLSP-SB-5B-(8.5)MSD

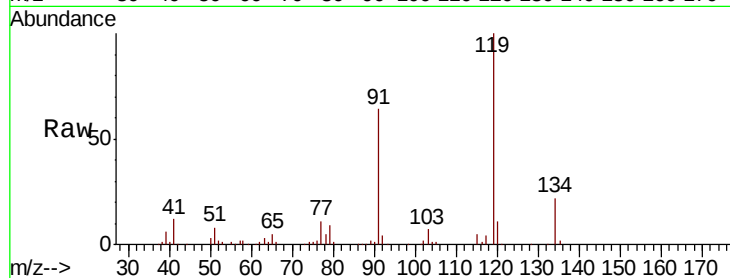
Tot Ion:119 Resp: 64785

Ion Ratio Lower Upper

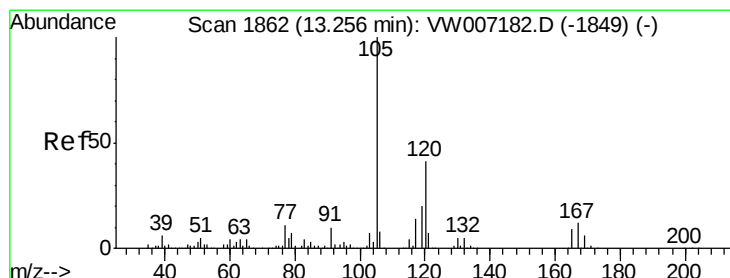
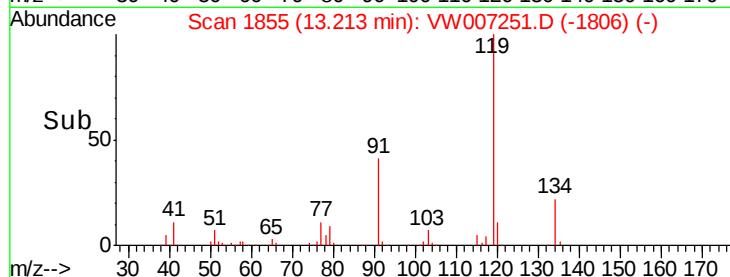
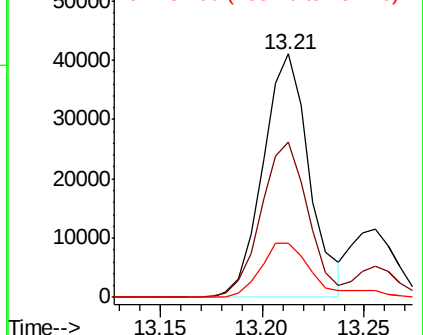
119 100

91 64.9 34.0 101.8

134 25.8 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.030 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007251.D

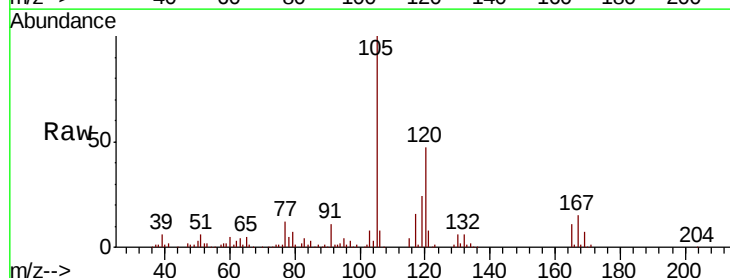
Acq: 05 Dec 2018 23:51

Tgt Ion:105 Resp: 75713

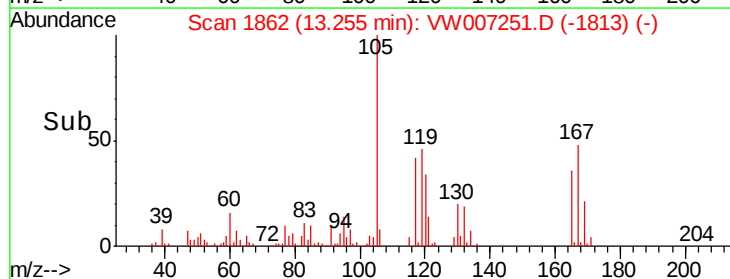
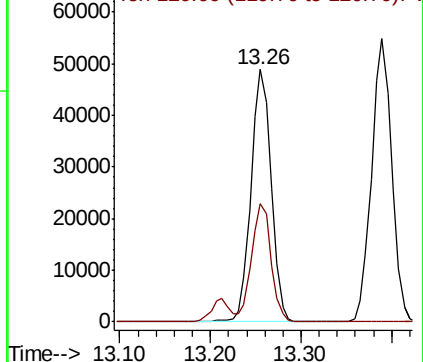
Ion Ratio Lower Upper

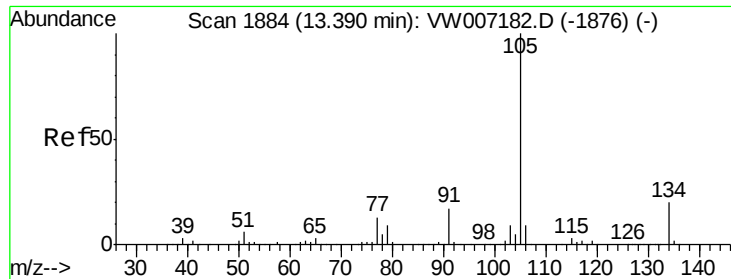
105 100

120 44.6 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 42.050 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

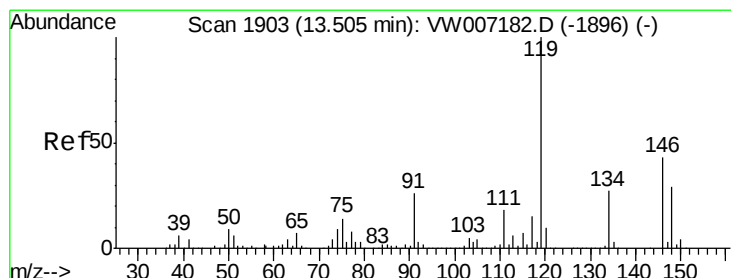
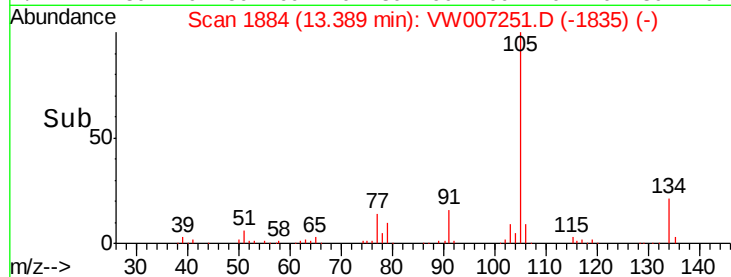
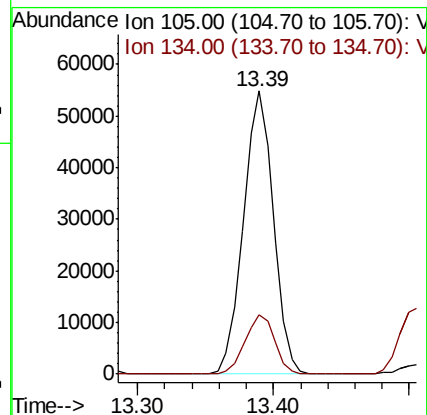
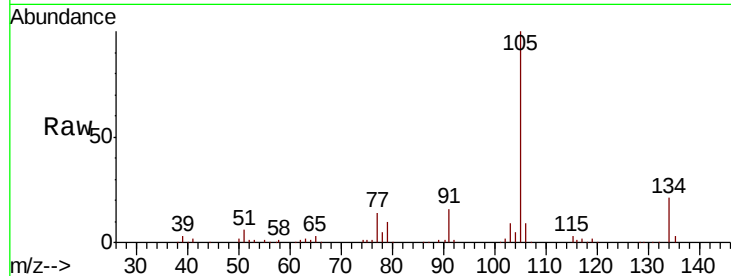
HLSP-SB-5B-(8.5)MSD

Tot Ion:105 Resp: 84533

Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.8



#86

p-Isopropyltoluene

Concen: 43.766 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007251.D

Acq: 05 Dec 2018 23:51

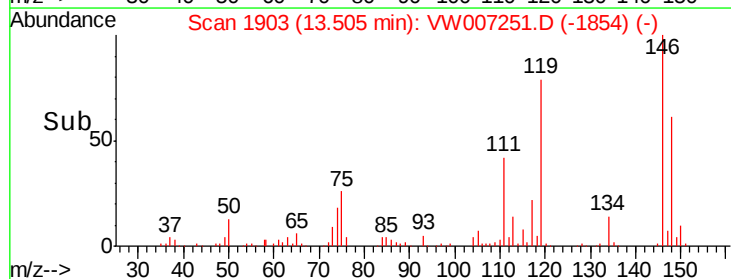
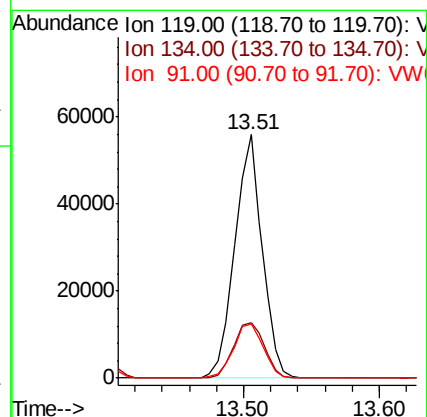
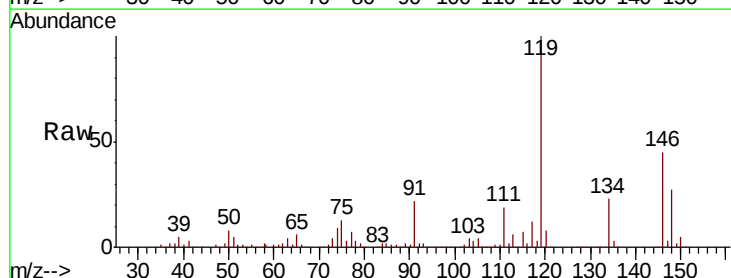
Tgt Ion:119 Resp: 78323

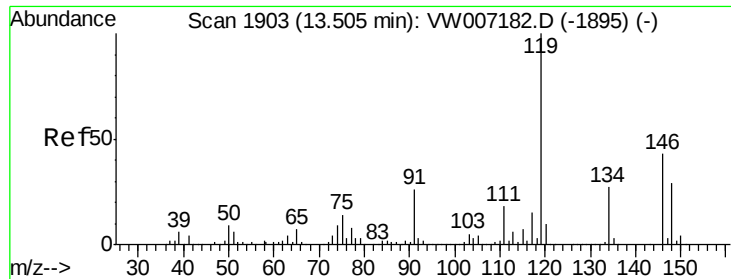
Ion Ratio Lower Upper

119 100

134 25.7 13.2 39.6

91 24.4 12.4 37.2

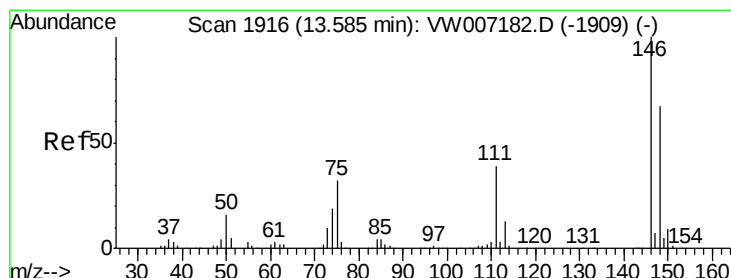
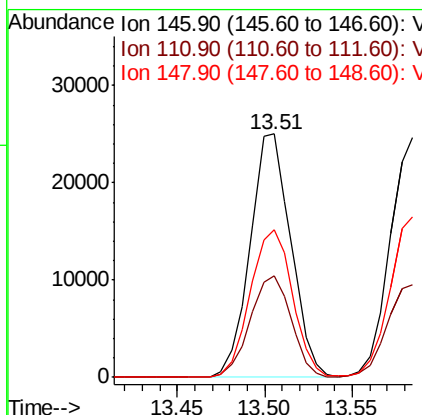
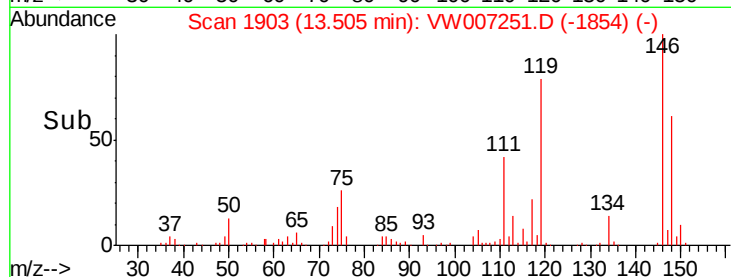
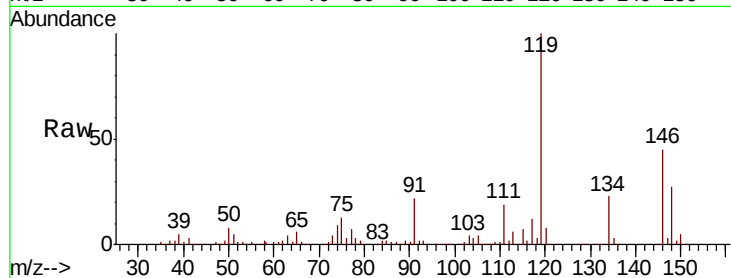




#87
 1,3-Dichlorobenzene
 Concen: 48.487 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

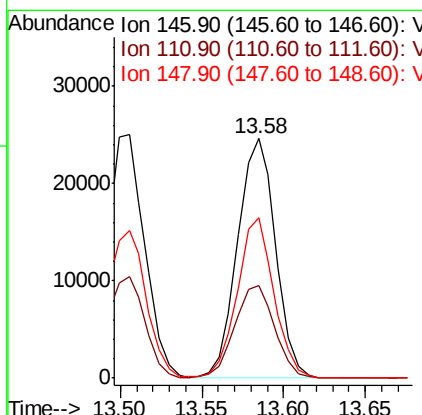
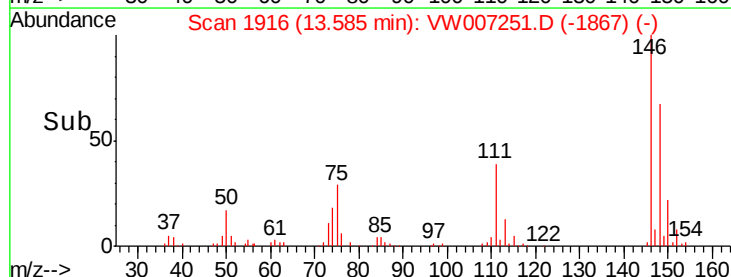
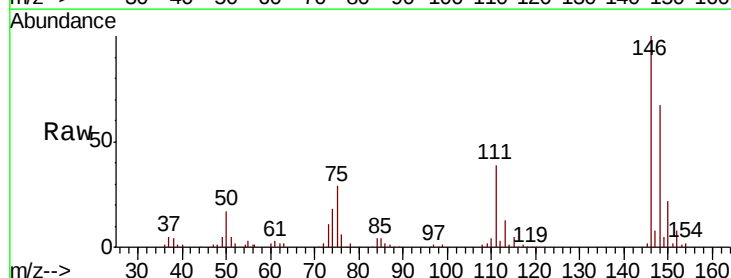
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

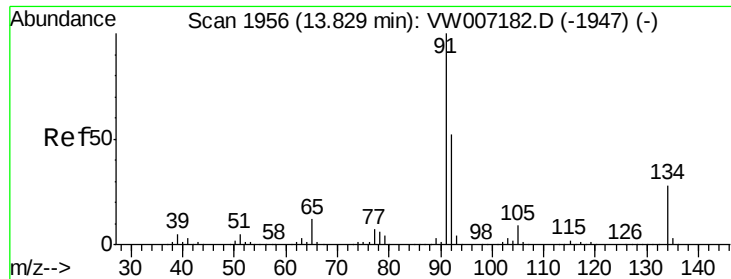
Tot Ion:146 Resp: 40470
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.1 63.4
 148 63.1 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 47.454 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

Tgt Ion:146 Resp: 40008
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.6 58.8
 148 64.5 32.6 98.0

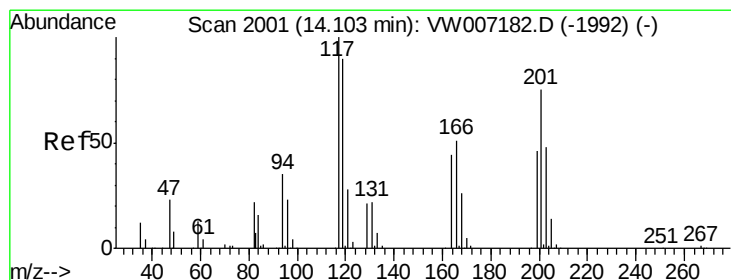
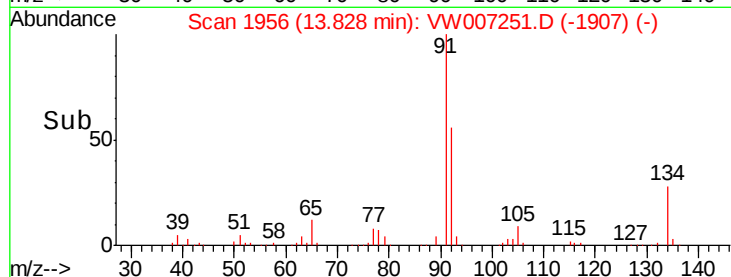
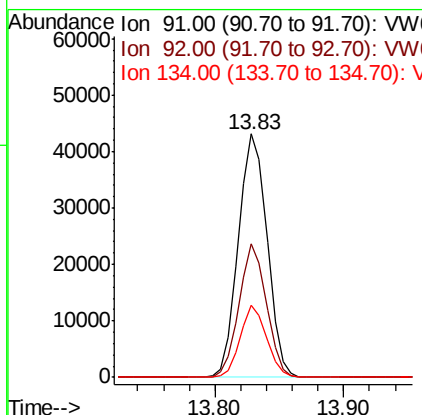
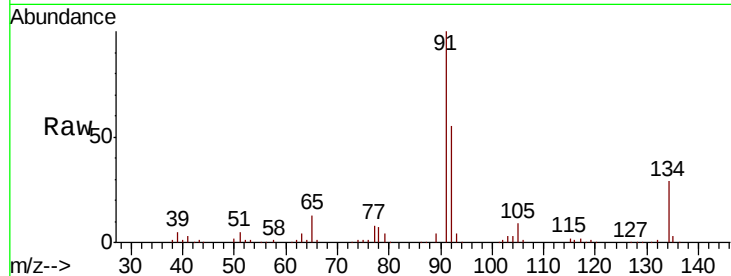




#89
n-Butylbenzene
Concen: 39.822 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

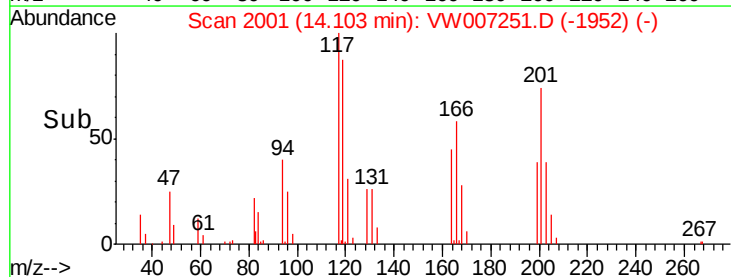
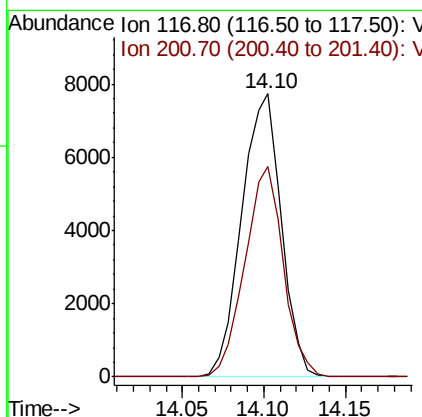
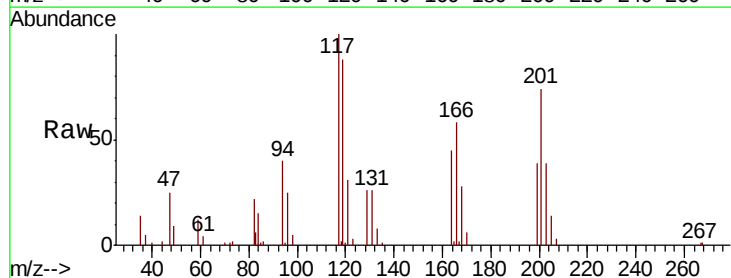
Instrument :
MSVOA_W
ClientSampleId :
HLSP-SB-5B-(8.5)MSD

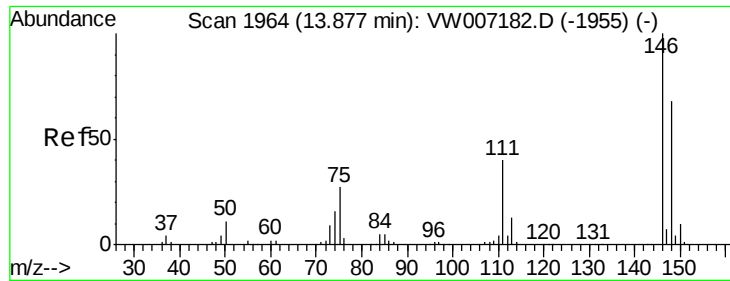
Tot Ion: 91 Resp: 66595
Ion Ratio Lower Upper
91 100
92 52.3 26.5 79.5
134 26.9 14.1 42.2



#90
Hexachloroethane
Concen: 47.908 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion: 117 Resp: 13065
Ion Ratio Lower Upper
117 100
201 72.3 36.0 108.1

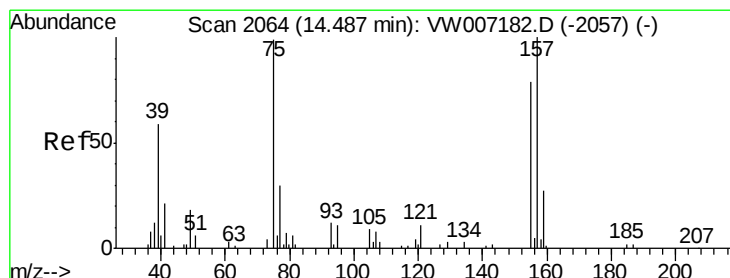
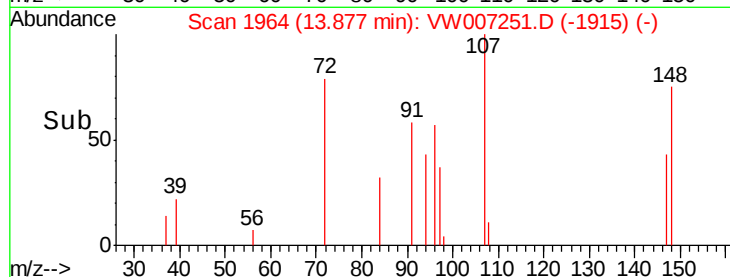
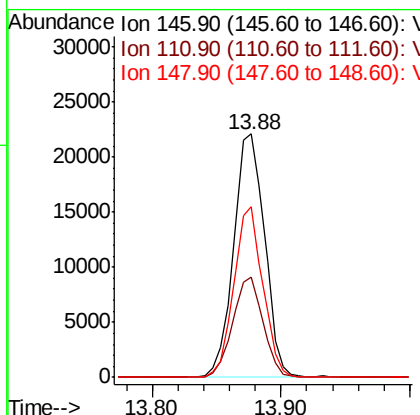
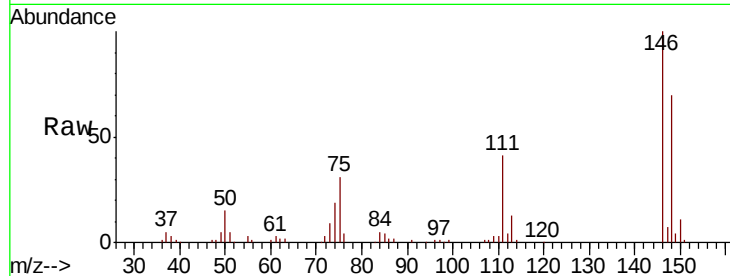




#91
 1,2-Dichlorobenzene
 Concen: 50.998 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

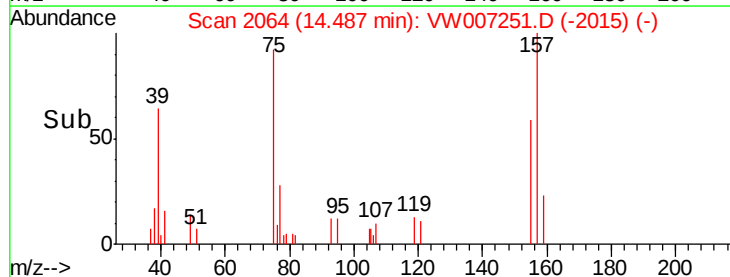
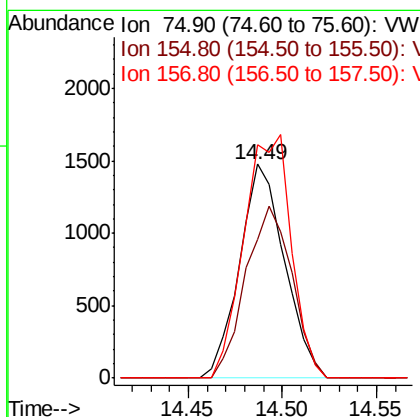
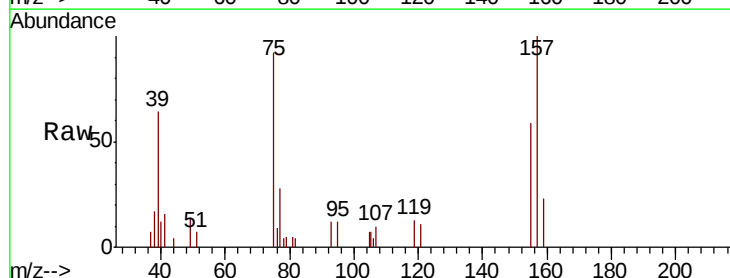
Instrument :
 MSVOA_W
 ClientSampleId :
 HLSP-SB-5B-(8.5)MSD

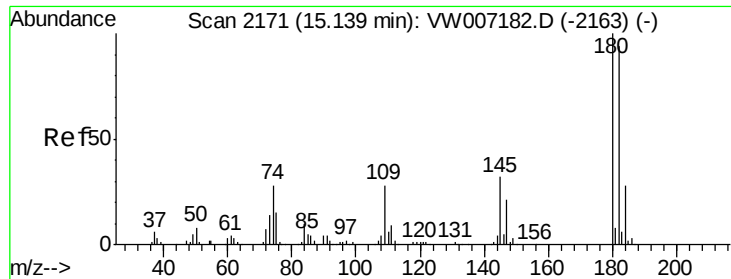
Tot Ion:146 Resp: 36849
 Ion Ratio Lower Upper
 146 100
 111 40.5 21.6 65.0
 148 65.6 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.721 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

Tgt Ion: 75 Resp: 2451
 Ion Ratio Lower Upper
 75 100
 155 82.5 42.4 127.2
 157 119.0 55.3 165.9

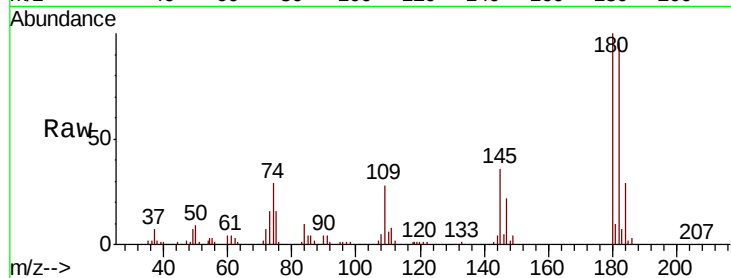




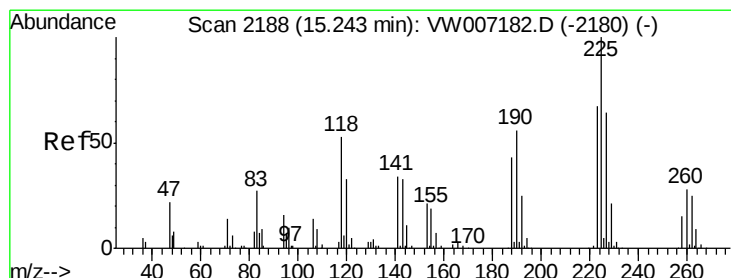
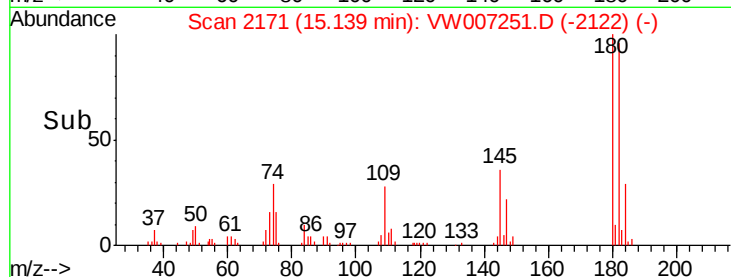
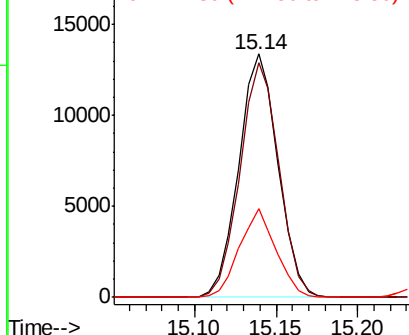
#93
 1,2,4-Trichlorobenzene
 Concen: 44.680 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

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

Tot Ion:180 Resp: 22373
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.8
 145 33.9 16.6 49.7

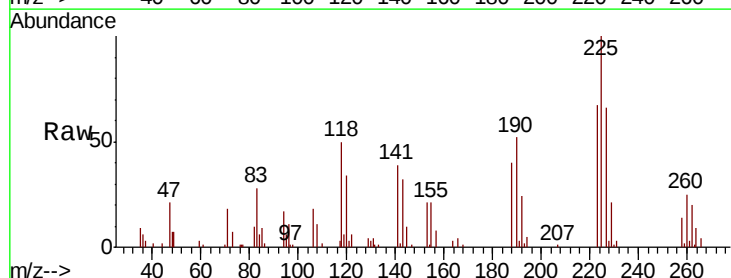


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

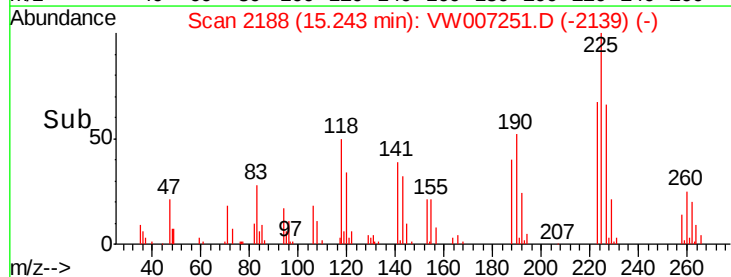
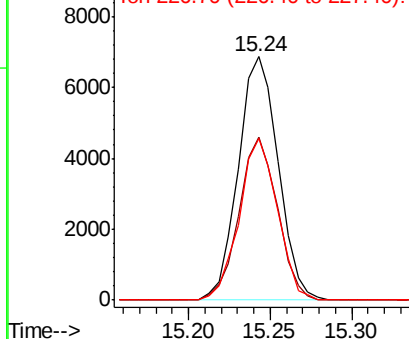


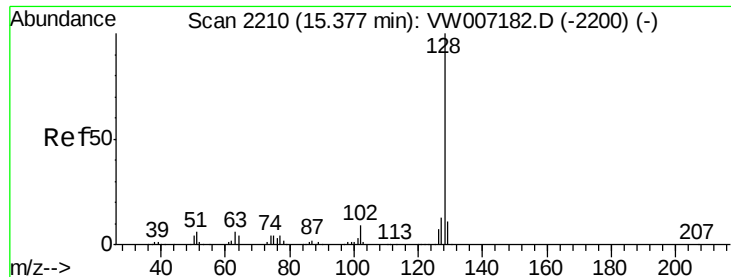
#94
 Hexachlorobutadiene
 Concen: 43.288 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007251.D
 Acq: 05 Dec 2018 23:51

Tgt Ion:225 Resp: 11689
 Ion Ratio Lower Upper
 225 100
 223 64.5 32.3 96.8
 227 63.2 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

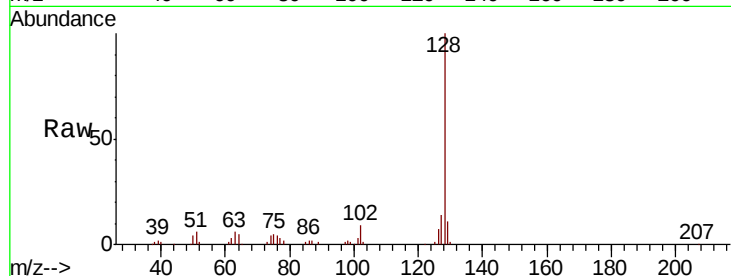




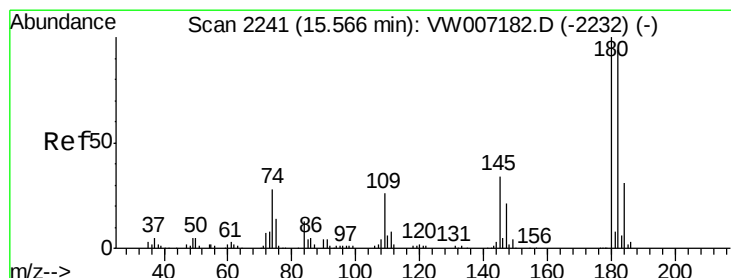
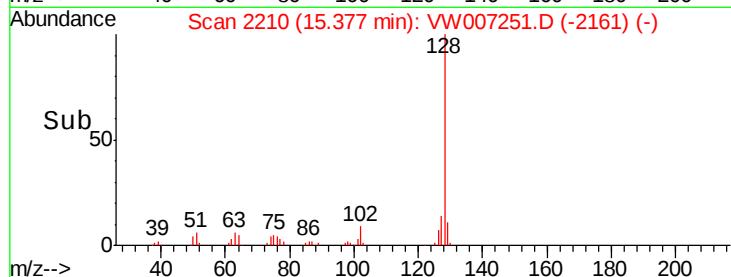
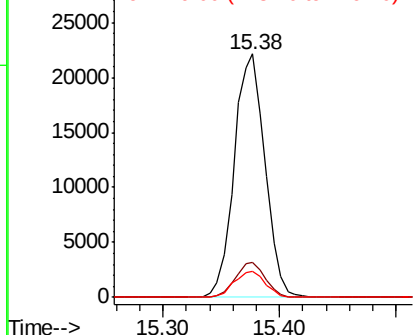
#95
Naphthalene
Concen: 45.351 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

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

Tot Ion:128 Resp: 40699
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 10.7 8.6 13.0

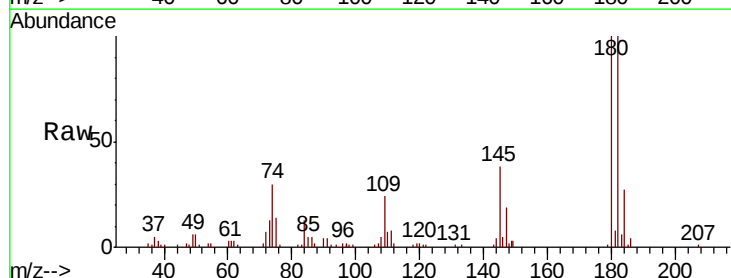


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 46.071 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007251.D
Acq: 05 Dec 2018 23:51

Tgt Ion:180 Resp: 19453
Ion Ratio Lower Upper
180 100
182 96.3 47.4 142.2
145 36.1 17.6 52.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

