

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011020\
 Data File : VW014608.D
 Acq On : 10 Jan 2020 19:03
 Operator : SY/VA
 Sample : L1051-11MSD
 Misc : 6.65G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

Quant Time: Jan 11 04:01:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	707194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1071713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	935871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	461780	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	353683	57.20	ug/l	0.00
Spiked Amount			Recovery	=	114.40%	
35) Dibromofluoromethane	7.88	113	5415	0.88	ug/l	0.00
Spiked Amount			Recovery	=	1.76%	
50) Toluene-d8	10.32	98	1473917	57.66	ug/l	0.00
Spiked Amount			Recovery	=	115.32%	
62) 4-Bromofluorobenzene	12.62	95	510742	58.91	ug/l	0.00
Spiked Amount			Recovery	=	117.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	222906	55.825	ug/l	98
3) Chloromethane	2.21	50	252048	51.570	ug/l	98
4) Vinyl Chloride	2.36	62	418673	58.241	ug/l	97
5) Bromomethane	2.78	94	266709	60.059	ug/l	98
6) Chloroethane	2.92	64	252814	61.695	ug/l	99
7) Trichlorofluoromethane	3.25	101	188348	52.367	ug/l	95
8) Diethyl Ether	3.68	74	222295	62.117	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	408537	60.791	ug/l	99
10) Methyl Iodide	4.28	142	611219	60.279	ug/l	99
11) Tert butyl alcohol	5.15	59	126928	267.883	ug/l	99
12) 1,1-Dichloroethene	4.04	96	479169	68.086	ug/l	97
13) Acrolein	3.89	56	19010	35.226	ug/l	95
14) Allyl chloride	4.66	41	636609	59.194	ug/l	99
15) Acrylonitrile	5.36	53	463865	283.574	ug/l	99
16) Acetone	4.12	43	527671	302.234	ug/l	100
17) Carbon Disulfide	4.38	76	1192378	56.214	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	576060	65.941	ug/l	99
20) Methylene Chloride	4.92	84	471473	68.431	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	452759	60.588	ug/l	97
22) Diisopropyl ether	6.31	45	1252535	62.223	ug/l	96
23) Vinyl Acetate	6.31	43	589604	48.505	ug/l #	71
24) 1,1-Dichloroethane	6.21	63	783092	61.672	ug/l	99
25) 2-Butanone	7.16	43	651977	290.988	ug/l	100
26) 2,2-Dichloropropane	7.16	77	397664	56.567	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	495008	63.042	ug/l	99
28) Bromochloromethane	7.51	49	284468	57.144	ug/l	100
29) Tetrahydrofuran	7.52	42	389172	280.374	ug/l	99
30) Chloroform	7.67	83	753220	63.434	ug/l	100
31) Cyclohexane	7.95	56	742348	56.256	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	590993	61.885	ug/l	99
36) 1,1-Dichloropropene	8.08	75	617693	59.785	ug/l	100
37) Ethyl Acetate	7.16	43	651977	139.138	ug/l #	1
38) Carbon Tetrachloride	8.07	117	538839	60.115	ug/l	99
39) Methylcyclohexane	9.33	83	778581	58.721	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	1803547	61.697	ug/l	99
41) Methacrylonitrile	7.48	41	144493	55.318	ug/l	98
42) 1,2-Dichloroethane	8.40	62	460483	60.701	ug/l	100
43) Isopropyl Acetate	8.42	43	146690	17.240	ug/l #	61
44) Trichloroethene	9.09	130	892275	112.803	ug/l	95
45) 1,2-Dichloropropane	9.37	63	447853	62.433	ug/l	99
46) Dibromomethane	9.46	93	213063	60.166	ug/l	99
47) Bromodichloromethane	9.64	83	535450	61.244	ug/l	100
48) Methyl methacrylate	9.33	41	342806	82.517	ug/l #	72
49) 1,4-Dioxane	9.44	88	65215	984.620	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	1311552	296.819	ug/l	99
52) Toluene	10.38	92	1153668	62.732	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	557516	61.588	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	683489	61.779	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	272728	52.733	ug/l	98
56) Ethyl methacrylate	10.64	69	90977	13.535	ug/l #	85
57) 1,3-Dichloropropane	10.93	76	556038	61.171	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	640671	313.408	ug/l	99
59) 2-Hexanone	10.96	43	950037	312.013	ug/l	99
60) Dibromochloromethane	11.13	129	358854	61.495	ug/l	100
61) 1,2-Dibromoethane	11.23	107	295349	60.161	ug/l	100
64) Tetrachloroethene	10.86	164	736524	108.706	ug/l	97
65) Chlorobenzene	11.65	112	1184866	61.798	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.72	131	401875	62.253	ug/l	99
67) Ethyl Benzene	11.72	91	2136736	61.840	ug/l	98
68) m/p-Xylenes	11.83	106	1632572	123.453	ug/l	99
69) o-Xylene	12.16	106	771279	63.140	ug/l	100
70) Stvrene	12.18	104	1318770	63.828	ug/l	100
71) Bromoform	12.35	173	211796	60.149	ug/l #	99
73) Isopropylbenzene	12.46	105	2089104	61.656	ug/l	100
74) N-amyl acetate	12.27	43	14910	1.963	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.77	83	9343	1.528	ug/l #	94
76) 1,2,3-Trichloropropane	12.76	75	445621	102.065	ug/l #	100
77) Bromobenzene	12.74	156	493999	62.773	ug/l	98
78) n-propylbenzene	12.80	91	2445526	61.379	ug/l	100
79) 2-Chlorotoluene	12.89	91	1400539	61.769	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1751511	61.566	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	109352	55.803	ug/l	98
82) 4-Chlorotoluene	12.99	91	1440812	61.164	ug/l	100
83) tert-Butylbenzene	13.20	119	1511685	60.690	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1754730	61.980	ug/l	100
85) sec-Butylbenzene	13.38	105	2123579	61.593	ug/l	100
86) p-Isopropyltoluene	13.49	119	1950775	62.075	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	946279	61.836	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	934160	61.833	ug/l	100
89) n-Butylbenzene	13.82	91	1785551	61.184	ug/l	100
90) Hexachloroethane	14.09	117	332178	60.507	ug/l	100
91) 1,2-Dichlorobenzene	13.86	146	850276	63.216	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	49015	50.610	ug/l	98
93) 1,2,4-Trichlorobenzene	15.13	180	601318	66.203	ug/l	100

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.23	225	337570	55.459	ug/l	99
95) Naphthalene	15.36	128	1075840	69.452	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	520704	65.769	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

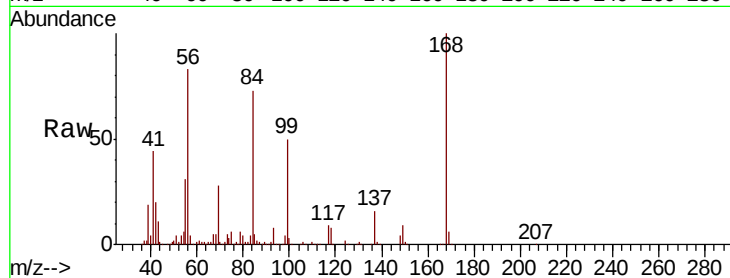
SB-3H-(8.5-10.5)MSD

Tot Ion:168 Resp: 707194

Ion Ratio Lower Upper

168 100

99 49.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

200000

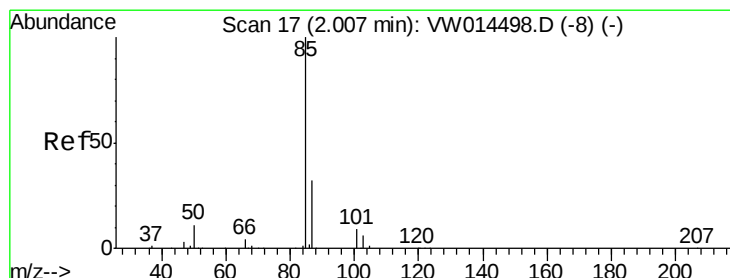
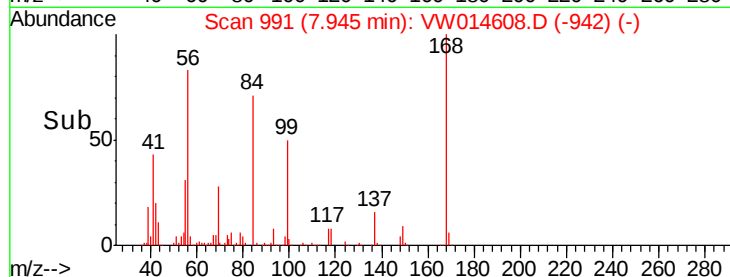
100000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 55.825 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014608.D

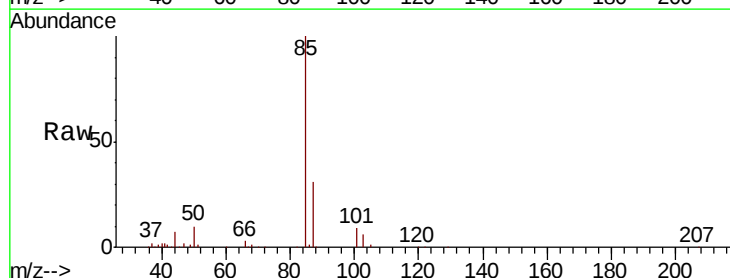
Acq: 10 Jan 2020 19:03

Tgt Ion: 85 Resp: 222906

Ion Ratio Lower Upper

85 100

87 30.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

80000

60000

40000

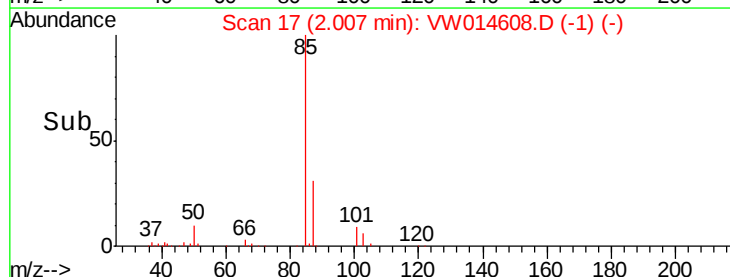
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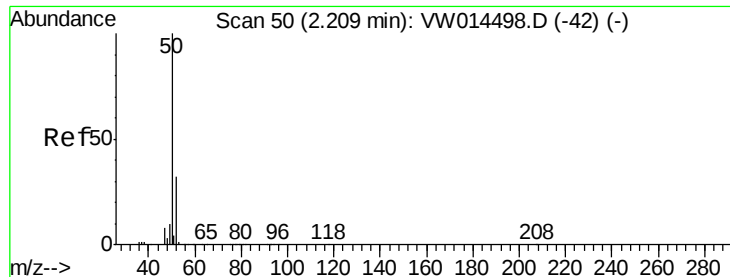
0

2.00

2.20

Time-->





#3

Chloromethane

Concen: 51.570 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

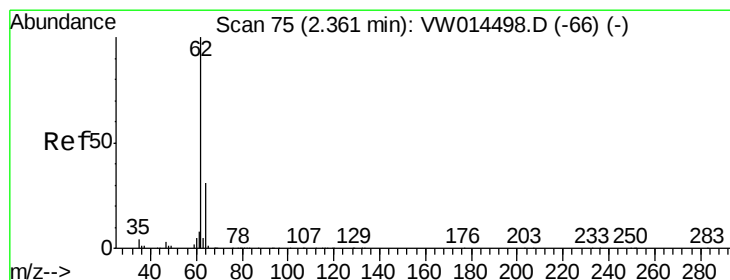
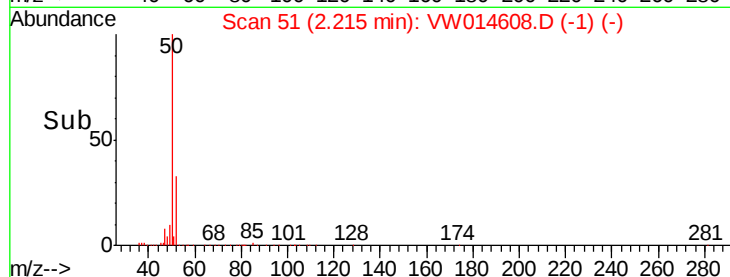
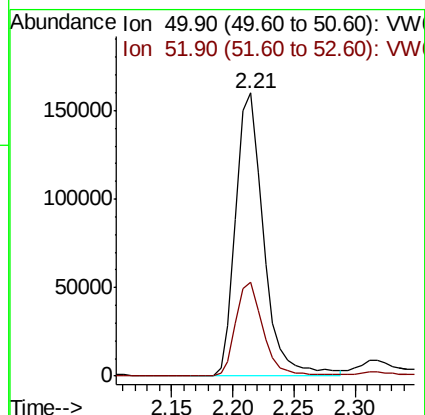
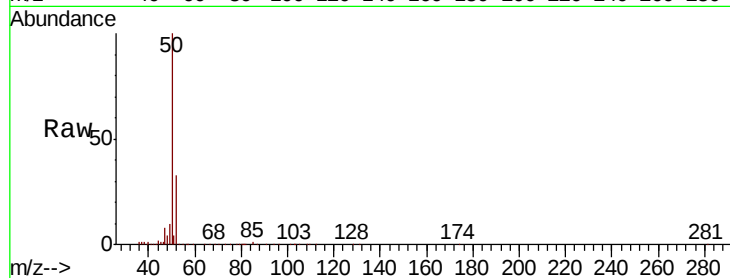
SB-3H-(8.5-10.5)MSD

Tot Ion: 50 Resp: 252048

Ion Ratio Lower Upper

50 100

52 33.5 25.8 38.8



#4

Vinyl Chloride

Concen: 58.241 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014608.D

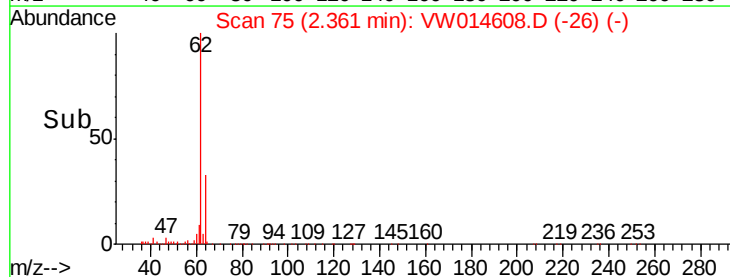
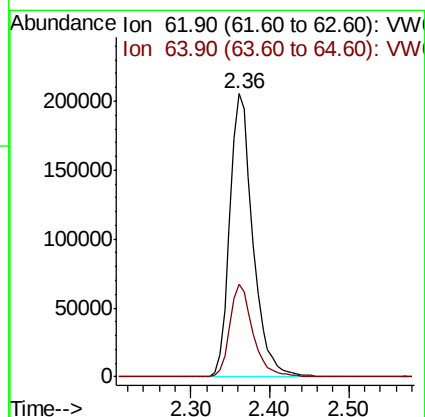
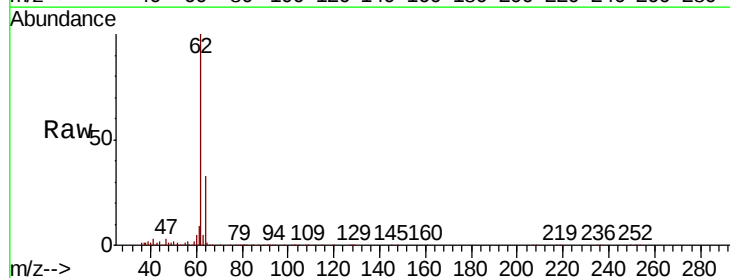
Acq: 10 Jan 2020 19:03

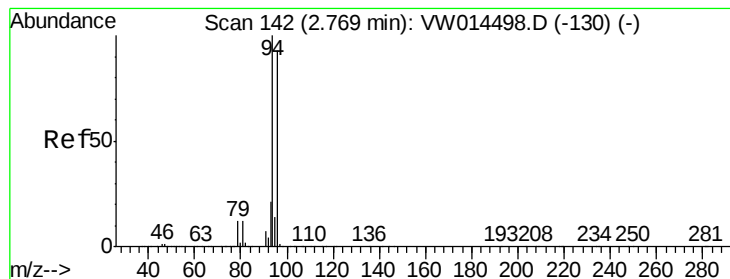
Tgt Ion: 62 Resp: 418673

Ion Ratio Lower Upper

62 100

64 32.7 25.0 37.4





#5

Bromomethane

Concen: 60.059 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

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ClientSampleId :

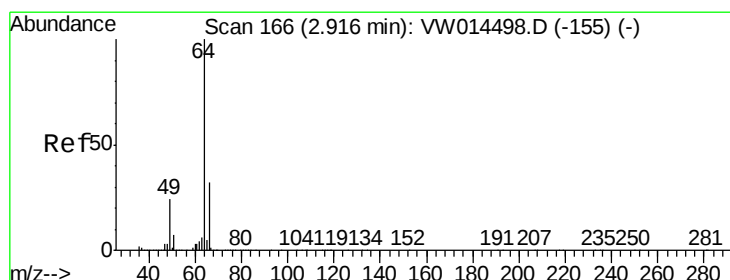
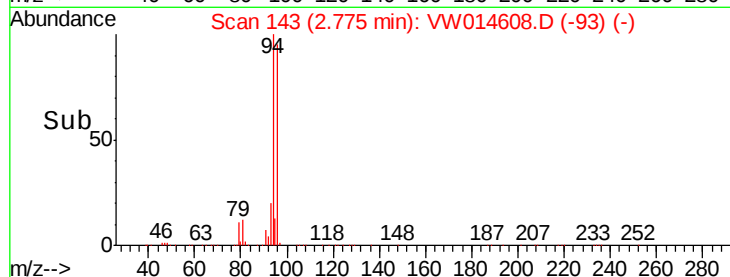
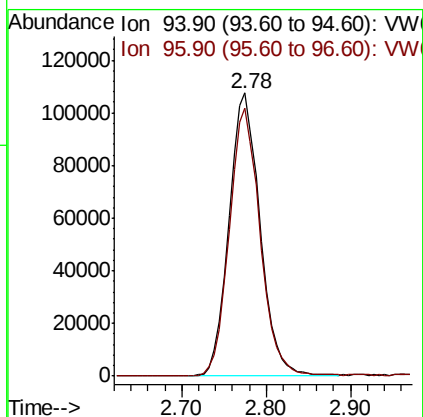
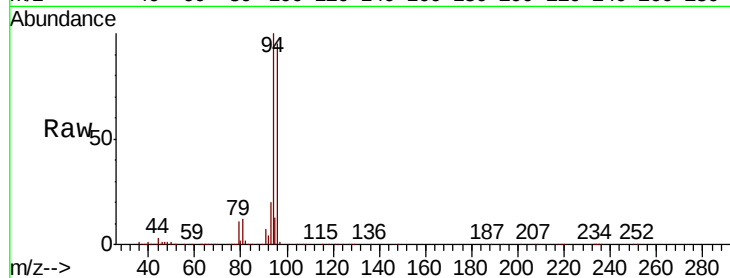
SB-3H-(8.5-10.5)MSD

Tot Ion: 94 Resp: 266709

Ion Ratio Lower Upper

94 100

96 94.7 74.2 111.2



#6

Chloroethane

Concen: 61.695 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW014608.D

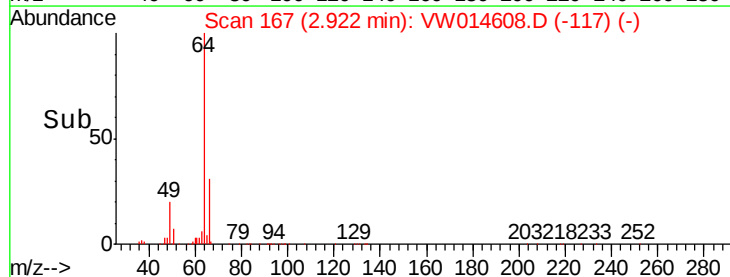
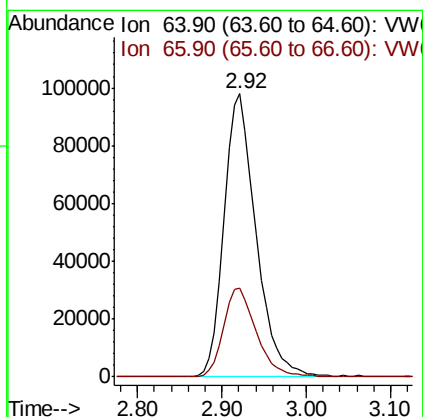
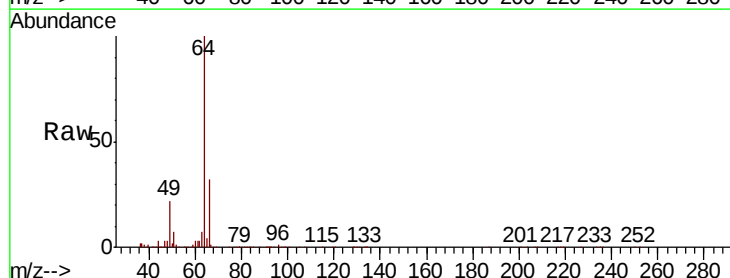
Acq: 10 Jan 2020 19:03

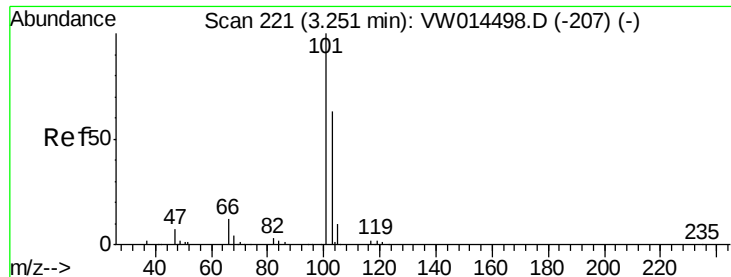
Tgt Ion: 64 Resp: 252814

Ion Ratio Lower Upper

64 100

66 31.4 25.7 38.5



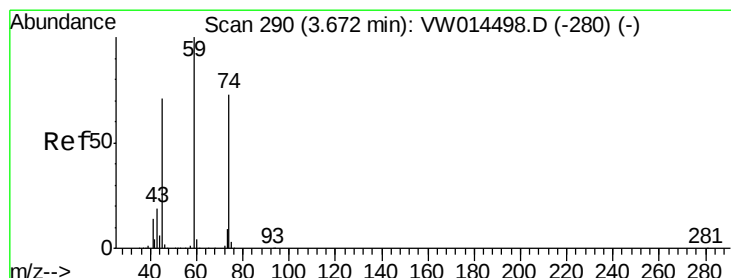
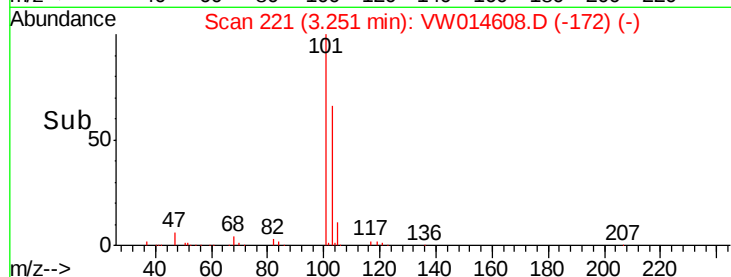
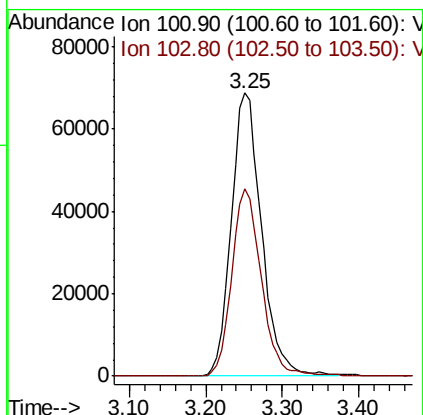
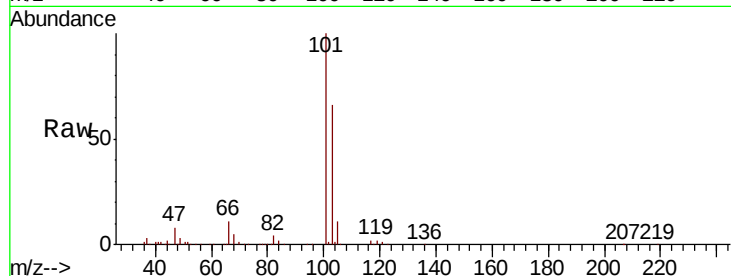


#7

Trichlorofluoromethane
Concen: 52.367 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
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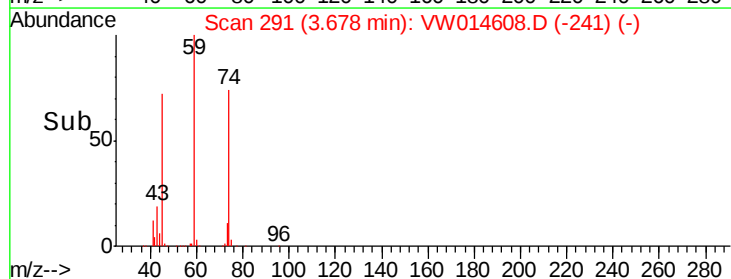
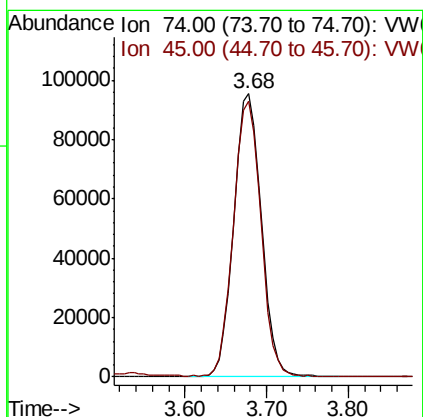
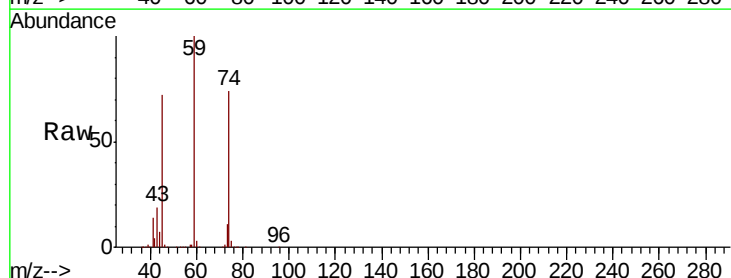
Tot Ion:101 Resp: 188348
Ion Ratio Lower Upper
101 100
103 66.3 50.1 75.1



#8

Diethyl Ether
Concen: 62.117 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

Tgt Ion: 74 Resp: 222295
Ion Ratio Lower Upper
74 100
45 96.7 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 60.791 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MSD

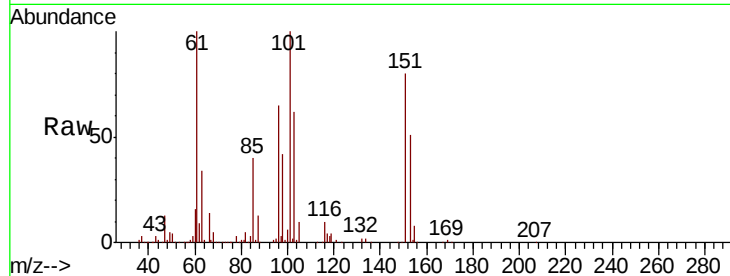
Tot Ion:101 Resp: 408537

Ion Ratio Lower Upper

101 100

85 41.8 33.7 50.5

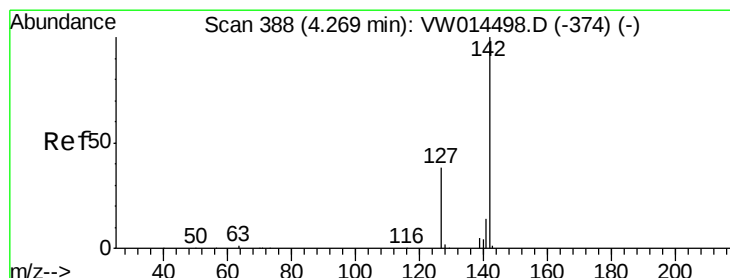
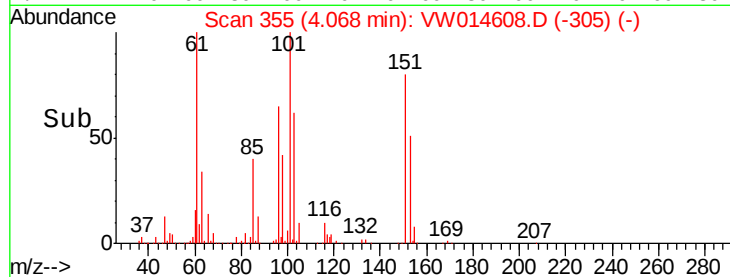
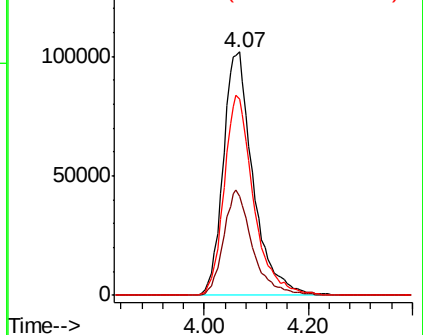
151 81.1 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 60.279 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

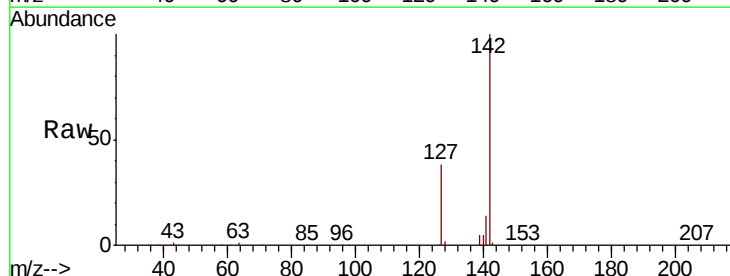
Tgt Ion:142 Resp: 611219

Ion Ratio Lower Upper

142 100

127 38.5 30.2 45.4

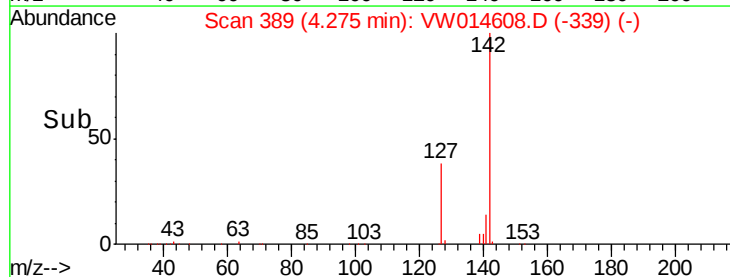
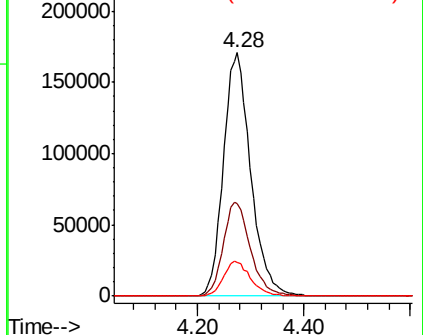
141 14.1 11.4 17.2

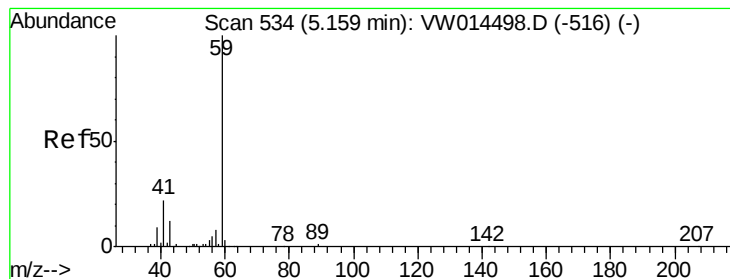


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



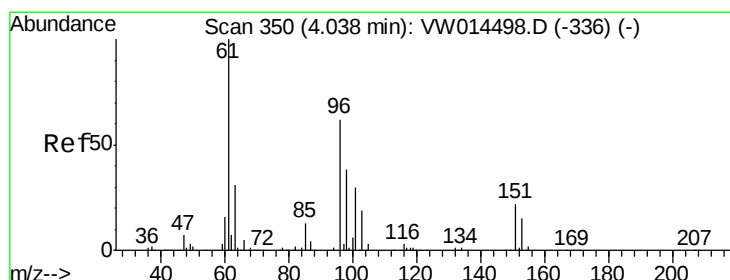
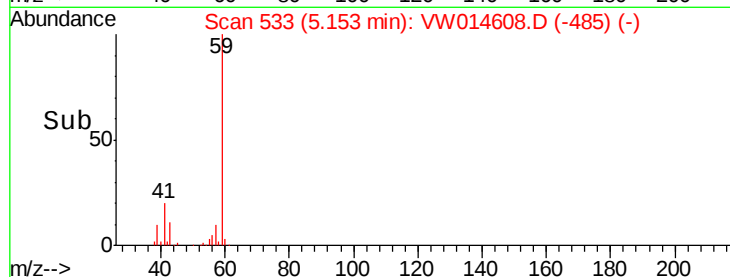
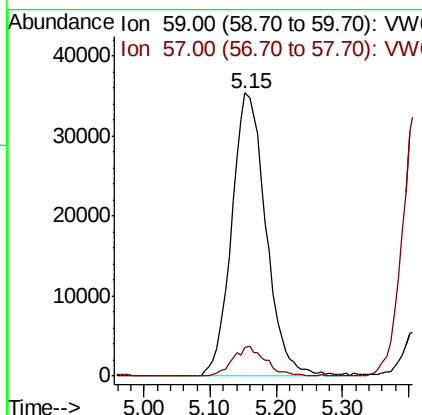
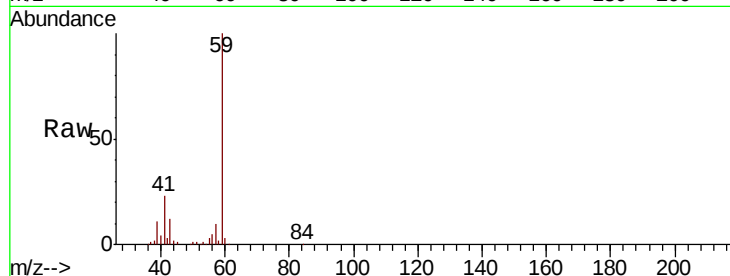


#11

Tert butyl alcohol
Concen: 267.883 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MSD

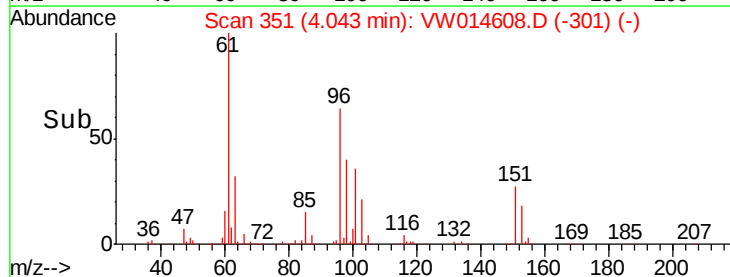
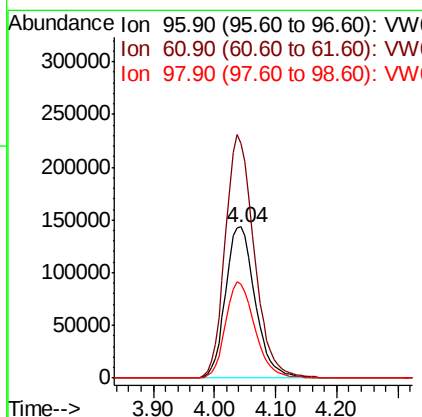
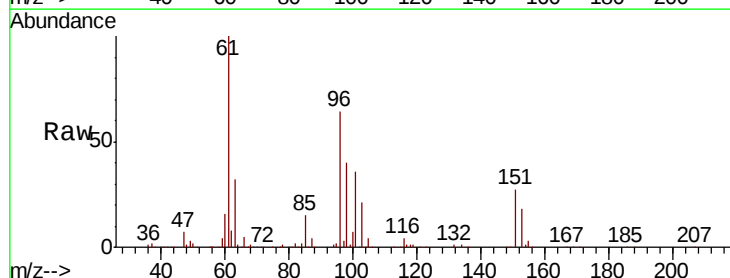
Tot Ion: 59 Resp: 126928
Ion Ratio Lower Upper
59 100
57 10.1 7.8 11.8

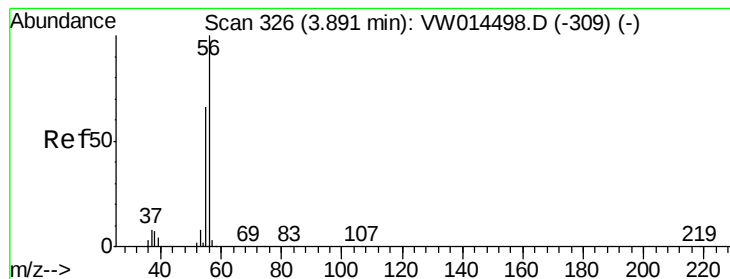


#12

1,1-Dichloroethene
Concen: 68.086 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

Tgt Ion: 96 Resp: 479169
Ion Ratio Lower Upper
96 100
61 155.5 128.4 192.6
98 62.2 49.1 73.7





#13

Acrolein

Concen: 35.226 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

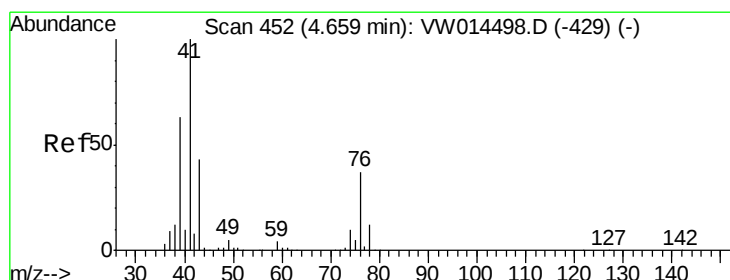
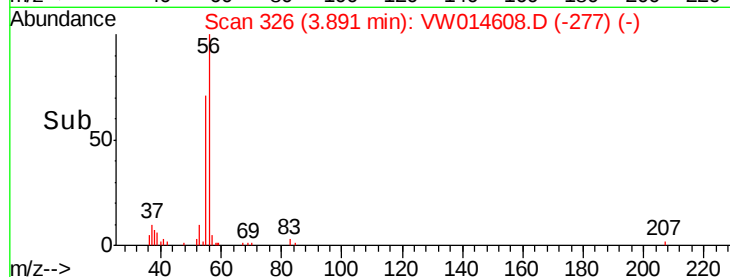
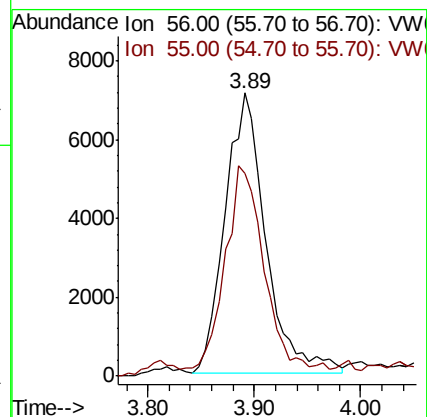
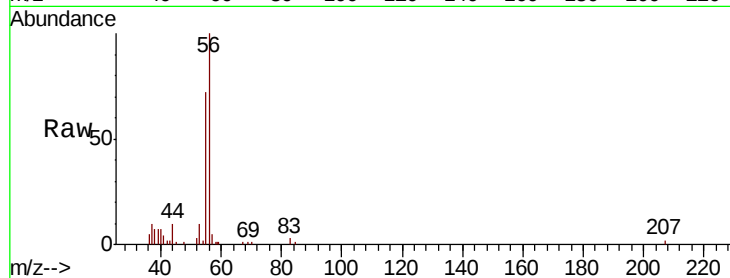
SB-3H-(8.5-10.5)MSD

Tot Ion: 56 Resp: 19010

Ion Ratio Lower Upper

56 100

55 75.1 56.7 85.1



#14

Allyl chloride

Concen: 59.194 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

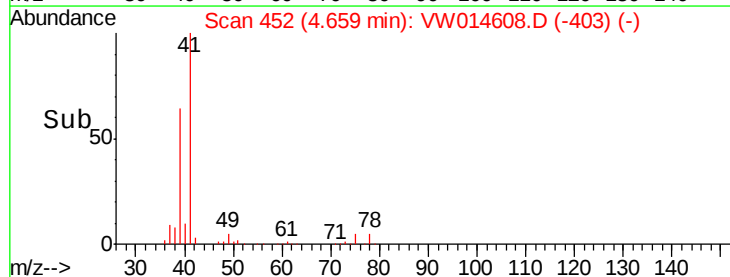
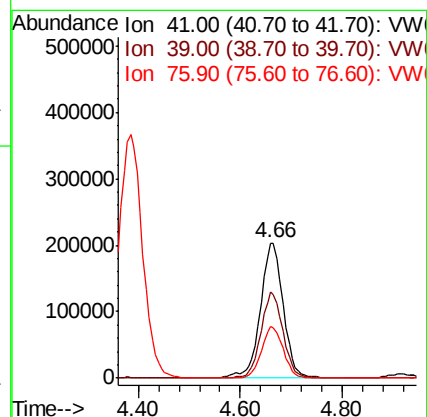
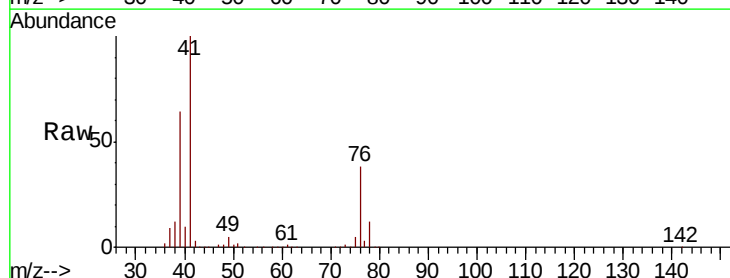
Tgt Ion: 41 Resp: 636609

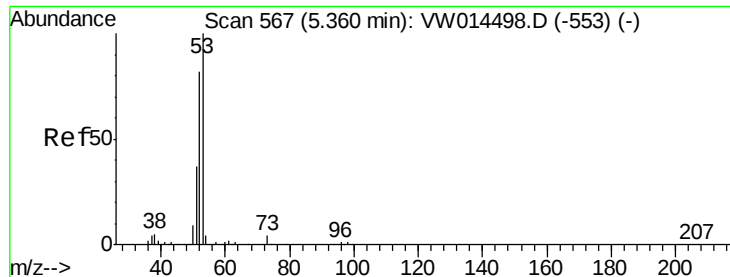
Ion Ratio Lower Upper

41 100

39 60.9 48.5 72.7

76 36.3 28.1 42.1





#15

Acrylonitrile

Concen: 283.574 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MSD

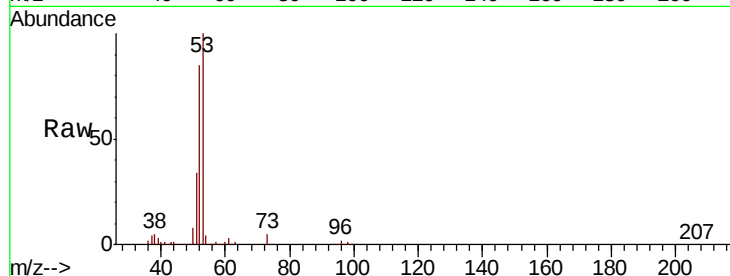
Tot Ion: 53 Resp: 463865

Ion Ratio Lower Upper

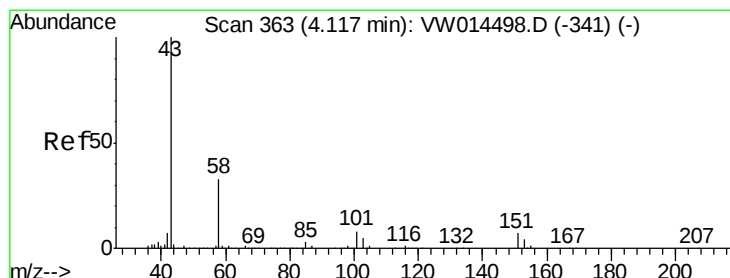
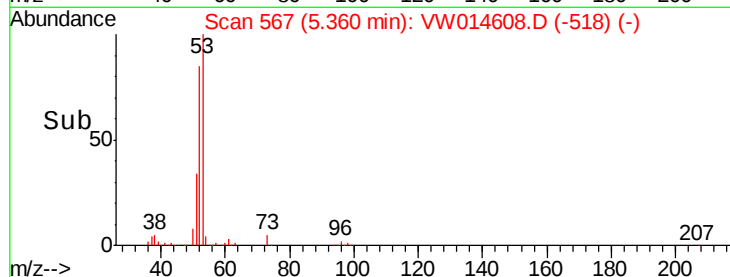
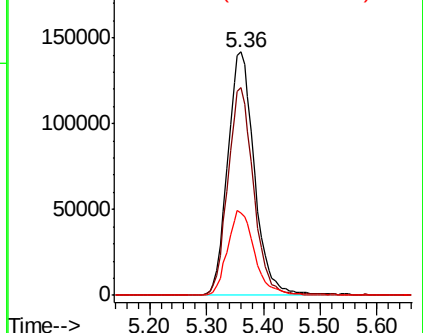
53 100

52 81.8 66.5 99.7

51 35.4 28.4 42.6



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: 302.234 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014608.D

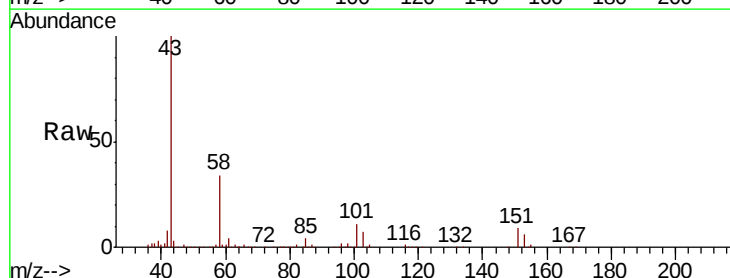
Acq: 10 Jan 2020 19:03

Tgt Ion: 43 Resp: 527671

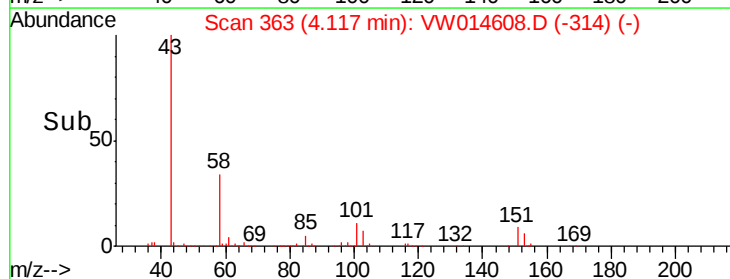
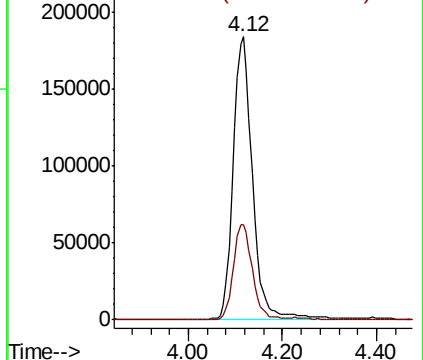
Ion Ratio Lower Upper

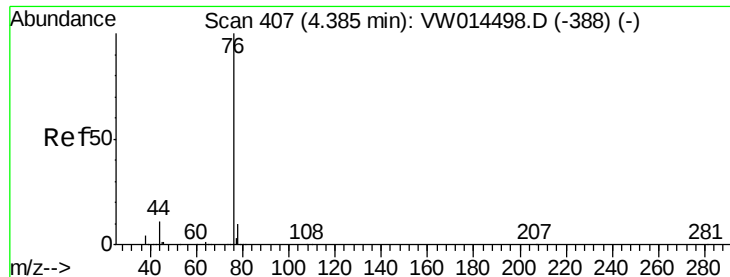
43 100

58 33.4 26.6 39.8



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





#17

Carbon Disulfide

Concen: 56.214 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

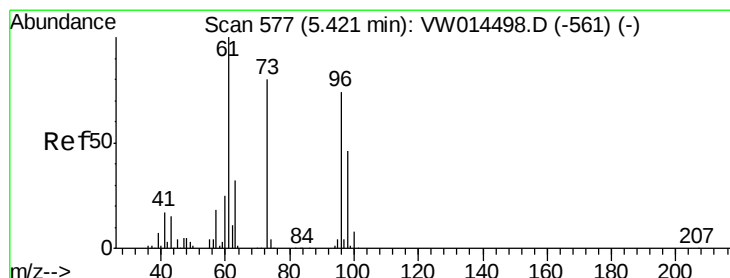
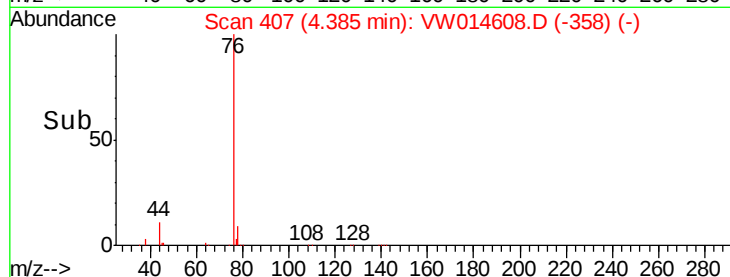
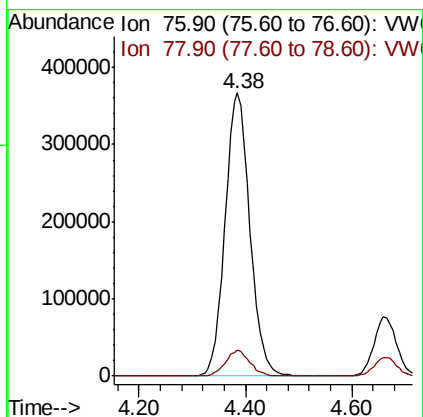
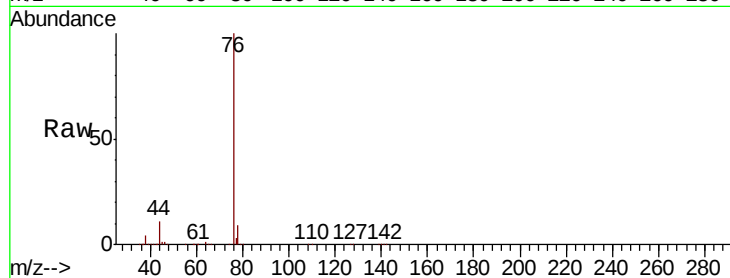
SB-3H-(8.5-10.5)MSD

Tot Ion: 76 Resp: 1192378

Ion Ratio Lower Upper

76 100

78 9.2 7.8 11.6



#19

Methyl tert-butyl Ether

Concen: 65.941 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014608.D

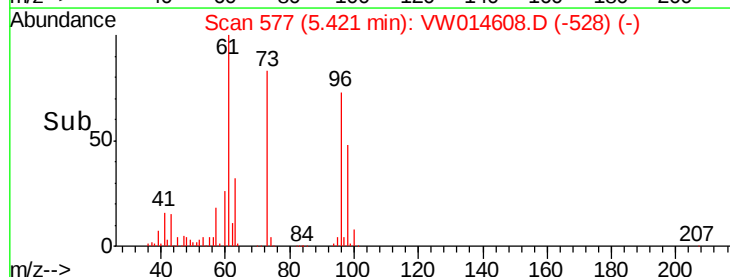
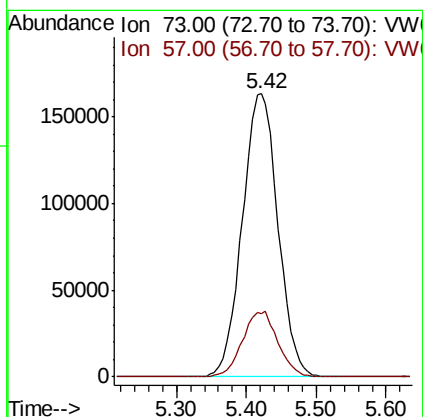
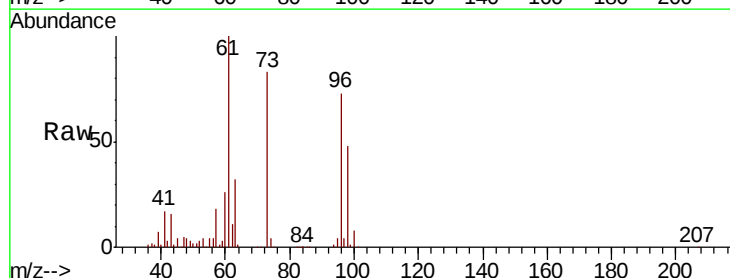
Acq: 10 Jan 2020 19:03

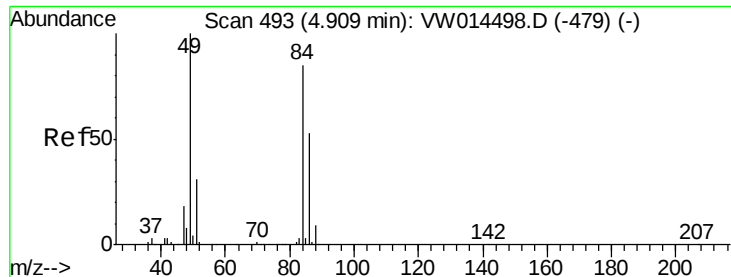
Tgt Ion: 73 Resp: 576060

Ion Ratio Lower Upper

73 100

57 22.1 18.1 27.1

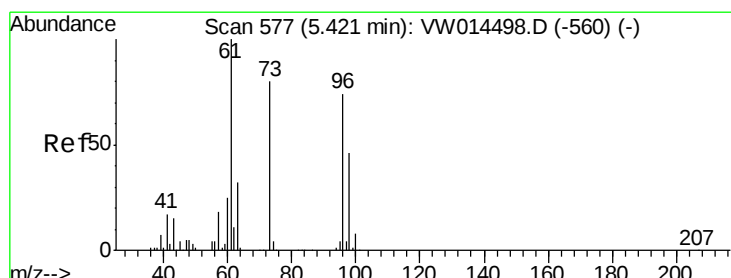
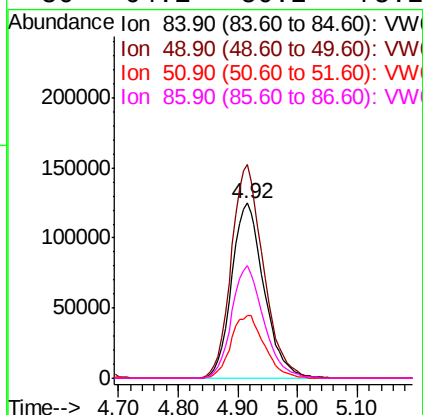
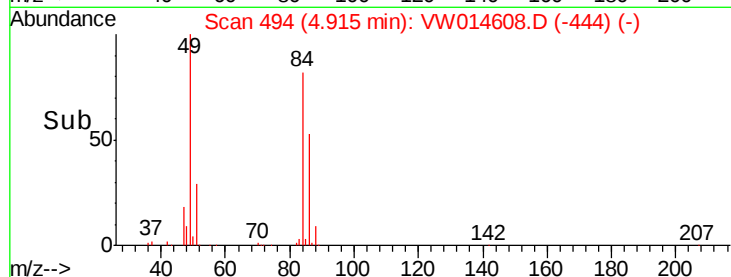
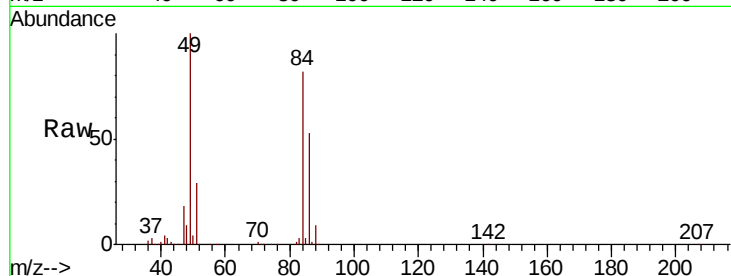




#20
Methvlene Chloride
Concen: 68.431 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

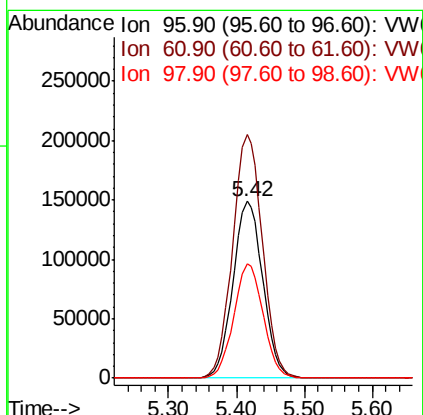
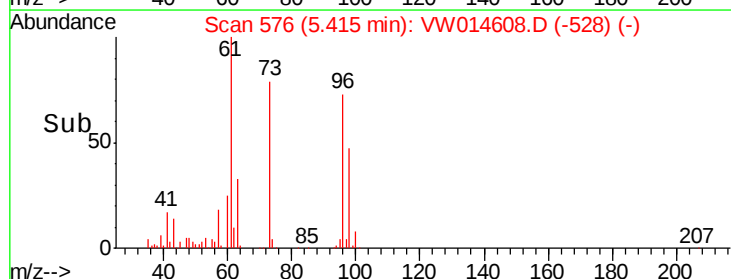
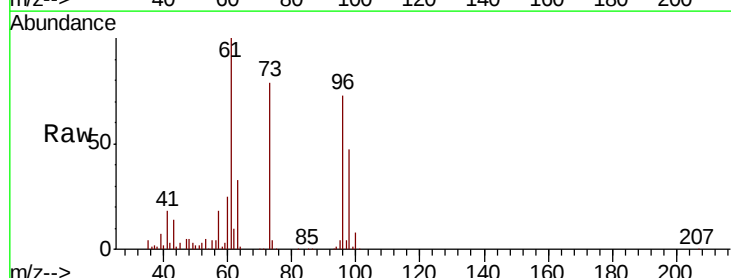
Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MSD

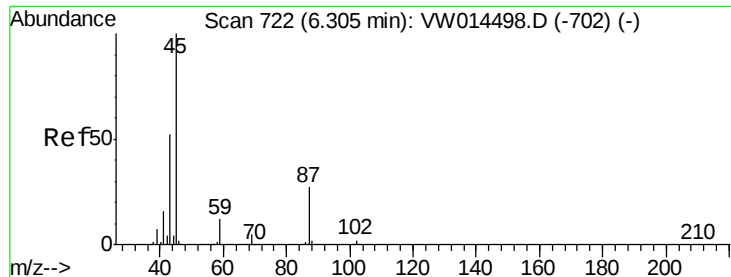
Tot Ion:	84	Resp:	471473
Ion	Ratio	Lower	Upper
84	100		
49	121.8	94.4	141.6
51	35.6	29.5	44.3
86	64.1	50.2	75.2



#21
trans-1,2-Dichloroethene
Concen: 60.588 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

Tgt Ion:	96	Resp:	452759
Ion	Ratio	Lower	Upper
96	100		
61	137.6	107.8	161.6
98	64.3	49.4	74.0





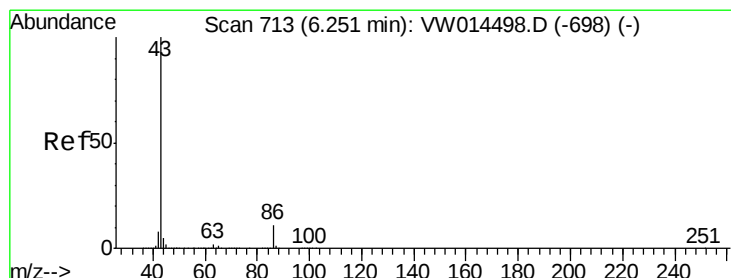
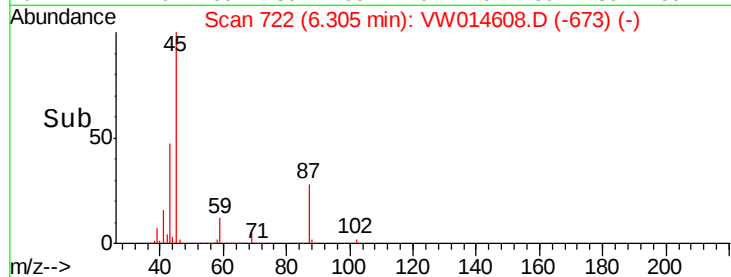
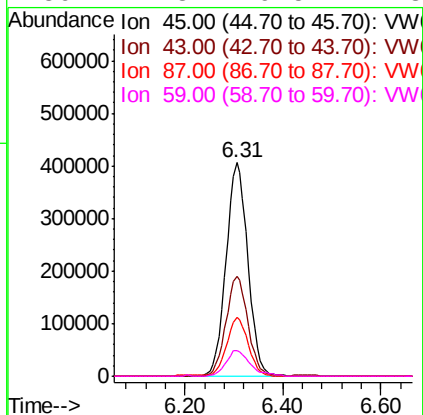
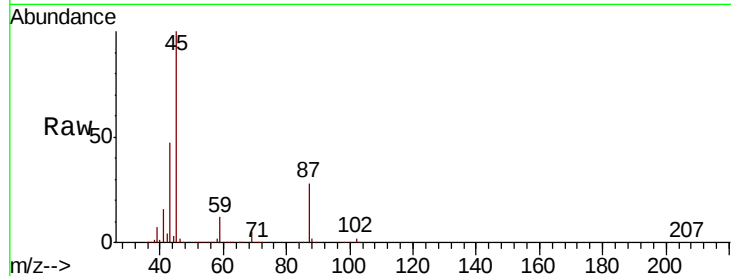
#22

Diisopropyl ether
 Concen: 62.223 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

Tot Ion: 45 Resp: 1252535

Ion	Ratio	Lower	Upper
45	100		
43	46.5	41.4	62.0
87	27.6	22.2	33.2
59	11.8	9.5	14.3

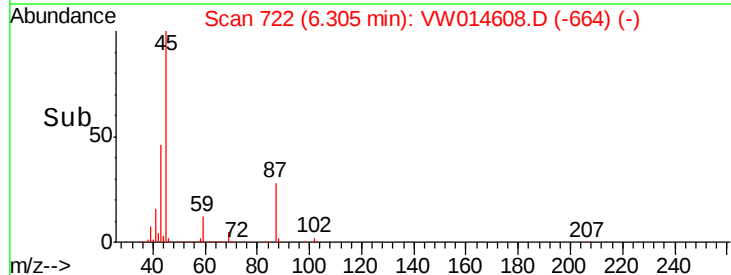
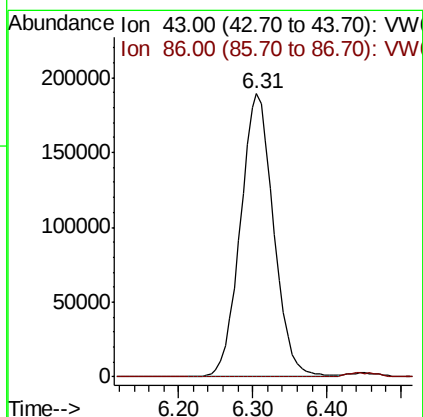
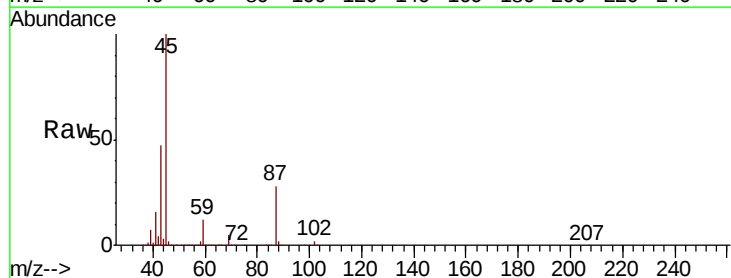


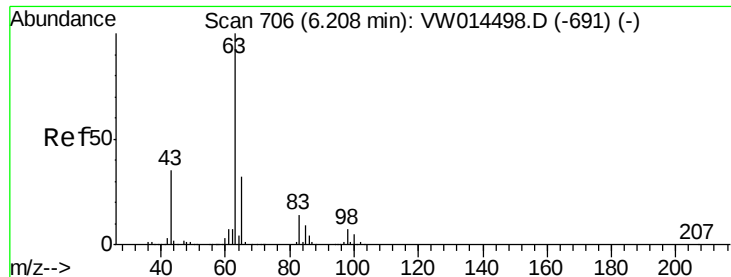
#23

Vinyl Acetate
 Concen: 48.505 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. 0.05 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

Tgt Ion: 43 Resp: 589604

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.8	13.2#





#24

1,1-Dichloroethane

Concen: 61.672 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MSD

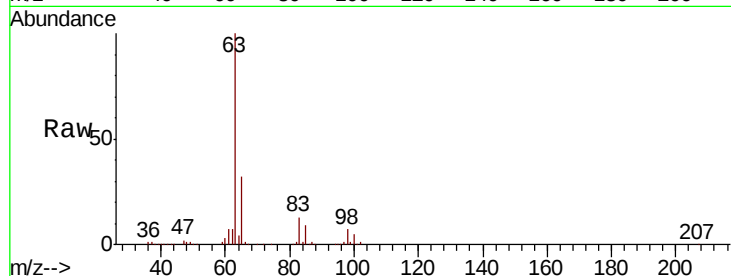
Tot Ion: 63 Resp: 783092

Ion Ratio Lower Upper

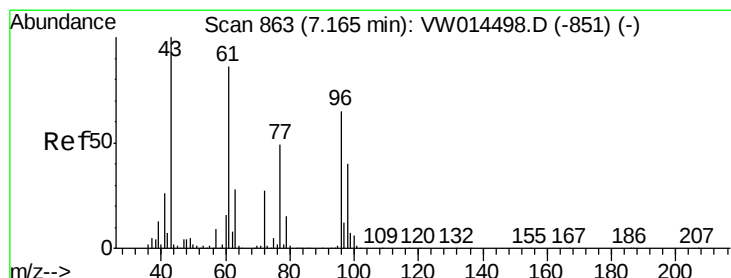
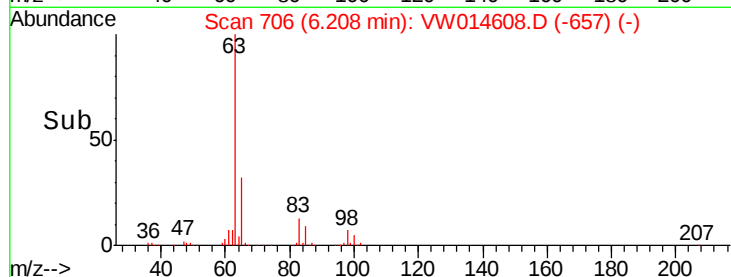
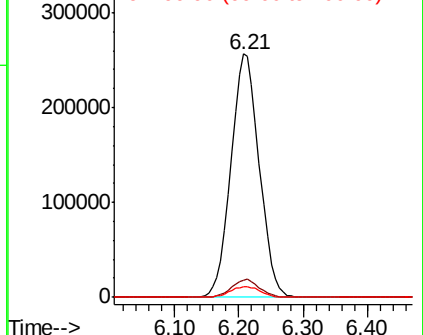
63 100

98 7.1 3.5 10.4

100 4.6 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 290.988 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014608.D

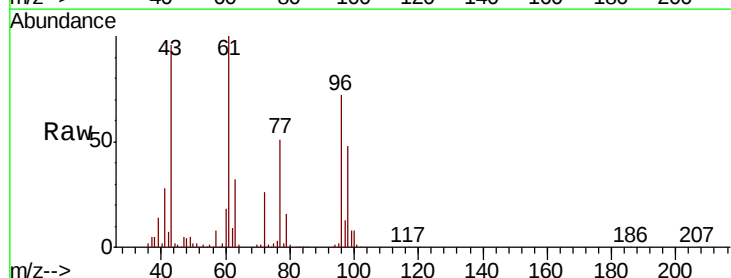
Acq: 10 Jan 2020 19:03

Tgt Ion: 43 Resp: 651977

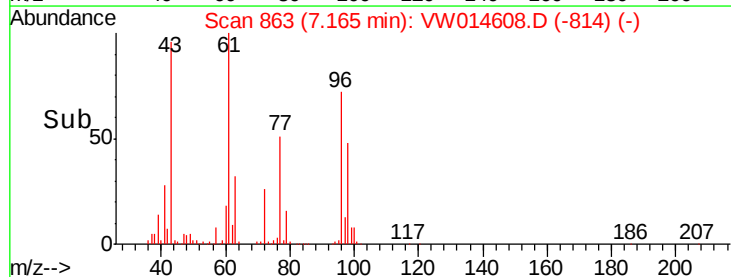
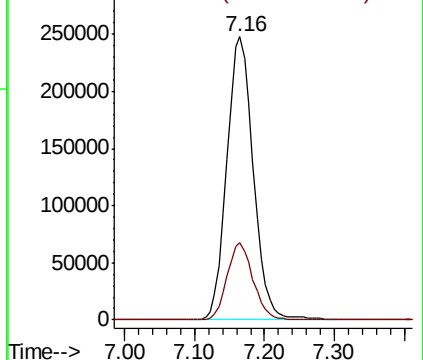
Ion Ratio Lower Upper

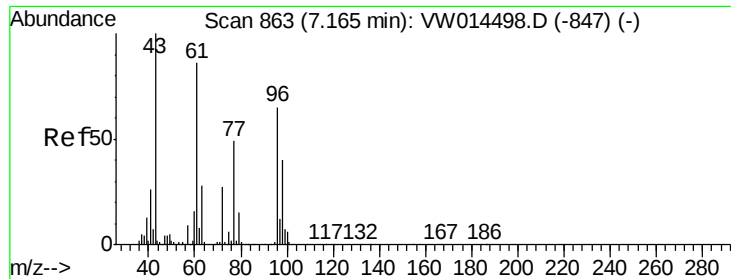
43 100

72 27.3 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

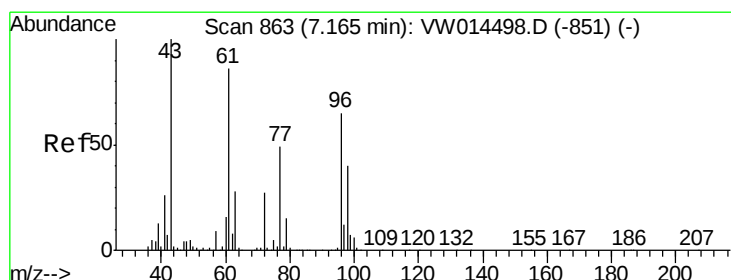
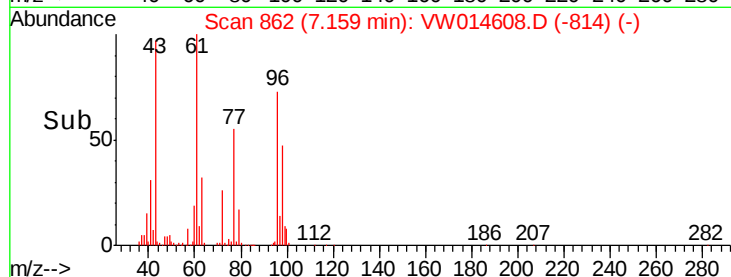
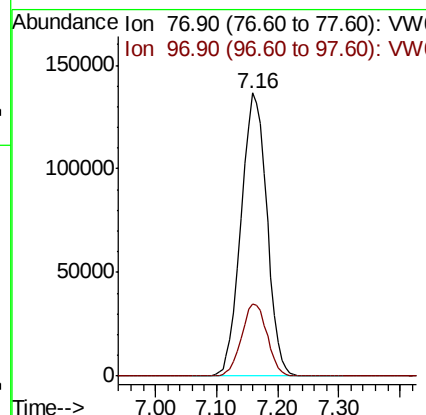
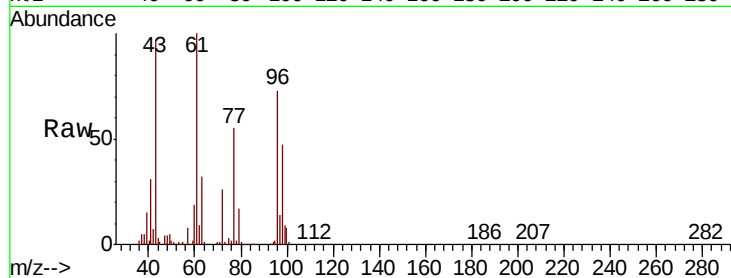




#26
 2,2-Dichloropropane
 Concen: 56.567 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

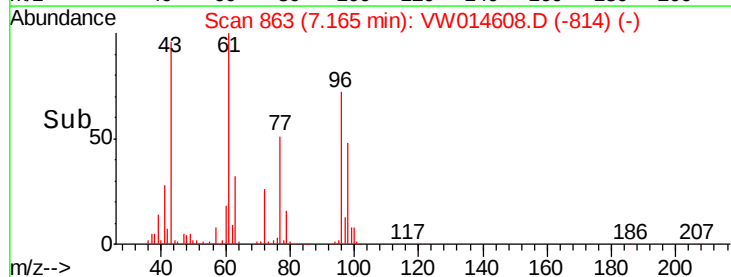
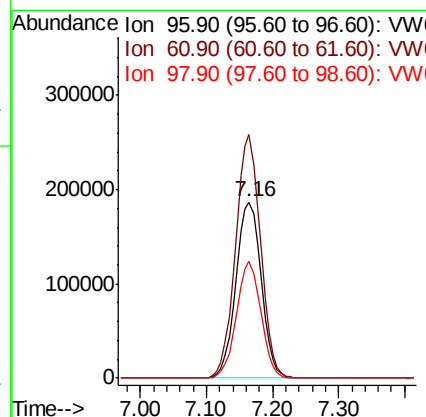
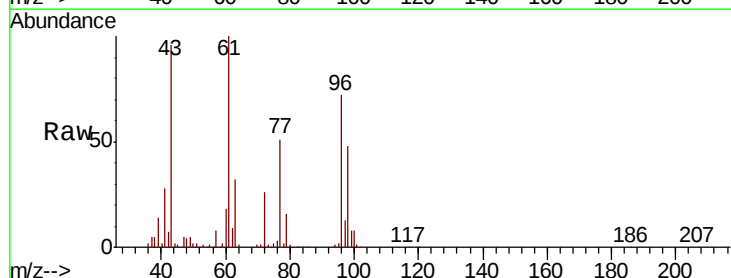
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

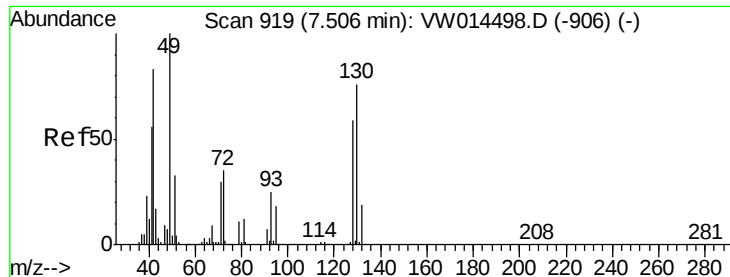
Tot Ion: 77 Resp: 397664
 Ion Ratio Lower Upper
 77 100
 97 25.3 12.5 37.5



#27
 cis-1,2-Dichloroethene
 Concen: 63.042 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

Tgt Ion: 96 Resp: 495008
 Ion Ratio Lower Upper
 96 100
 61 135.8 0.0 274.8
 98 64.0 0.0 128.6





#28

Bromochloromethane

Concen: 57.144 ug/l

RT: 7.51 min Scan# 919

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MSD

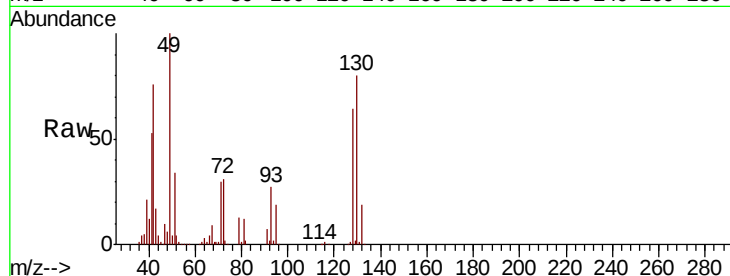
Tot Ion: 49 Resp: 284468

Ion Ratio Lower Upper

49 100

129 0.3 0.0 2.0

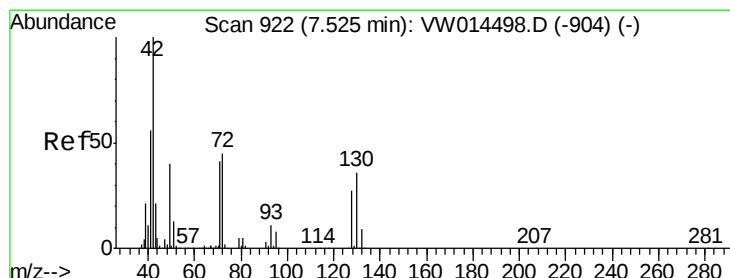
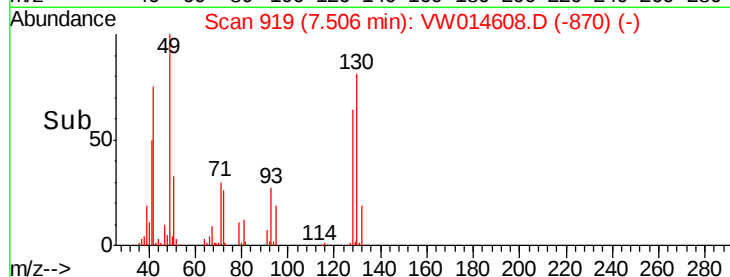
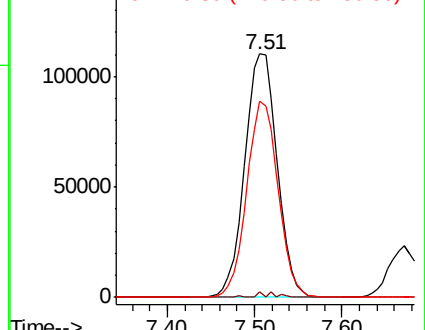
130 77.9 62.5 93.7



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: 280.374 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

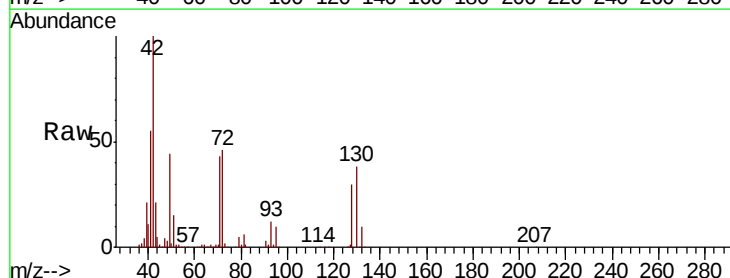
Tgt Ion: 42 Resp: 389172

Ion Ratio Lower Upper

42 100

72 43.8 34.5 51.7

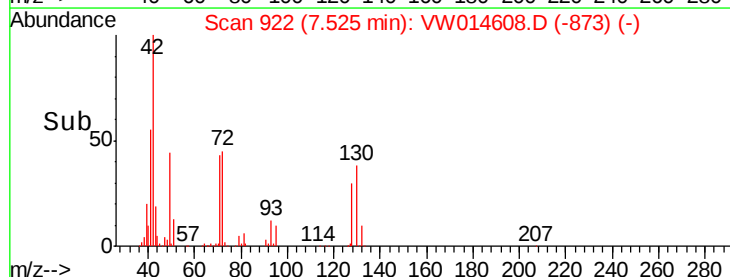
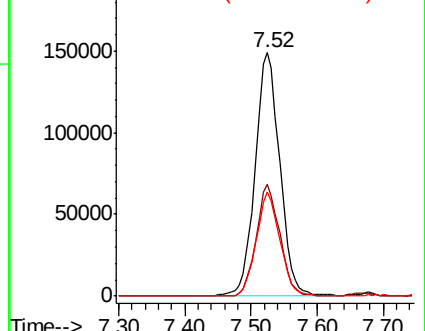
71 40.7 32.0 48.0

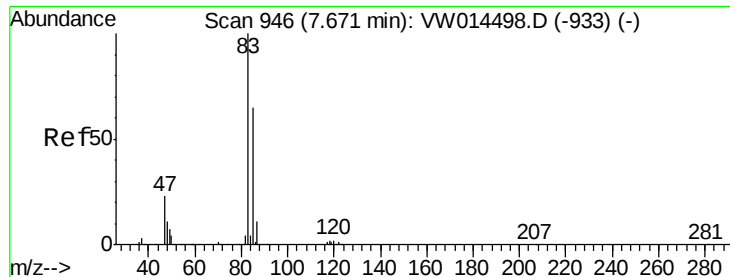


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

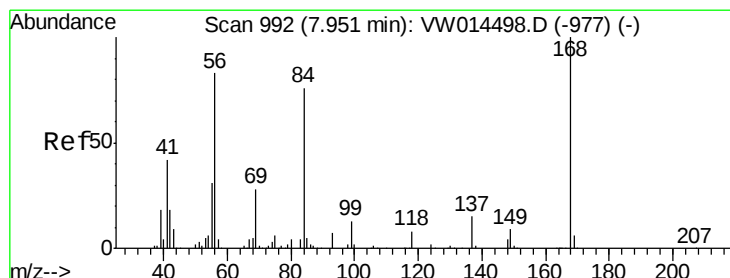
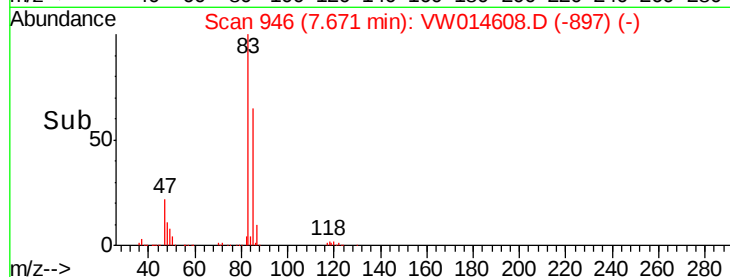
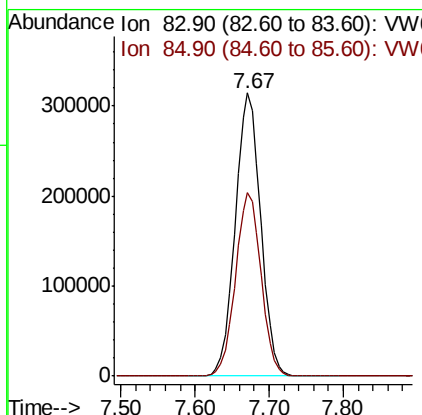
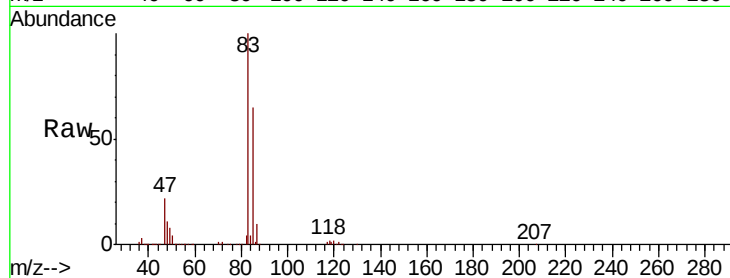




#30
Chloroform
Concen: 63.434 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

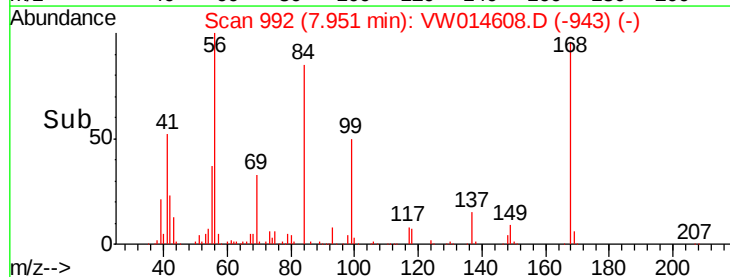
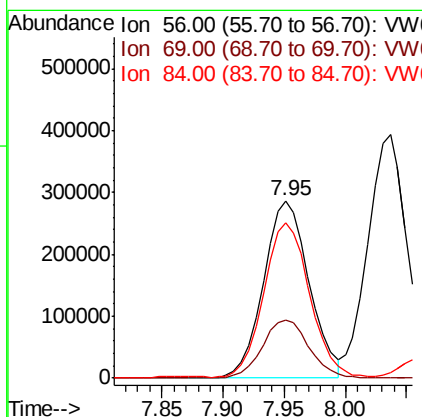
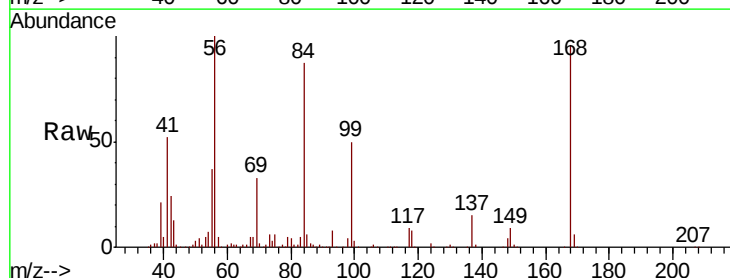
Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MSD

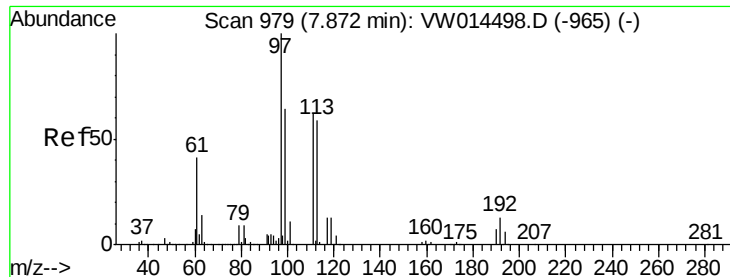
Tot Ion: 83 Resp: 753220
Ion Ratio Lower Upper
83 100
85 64.9 52.2 78.2



#31
Cyclohexane
Concen: 56.256 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

Tgt Ion: 56 Resp: 742348
Ion Ratio Lower Upper
56 100
69 33.1 26.8 40.2
84 86.3 71.8 107.6





#32

1,1,1-Trichloroethane

Concen: 61.885 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MSD

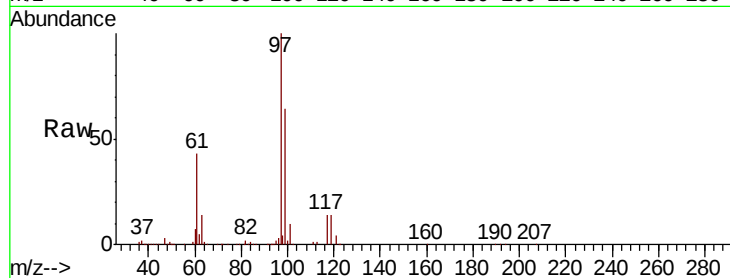
Tot Ion: 97 Resp: 590993

Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.6

61 42.8 33.8 50.8

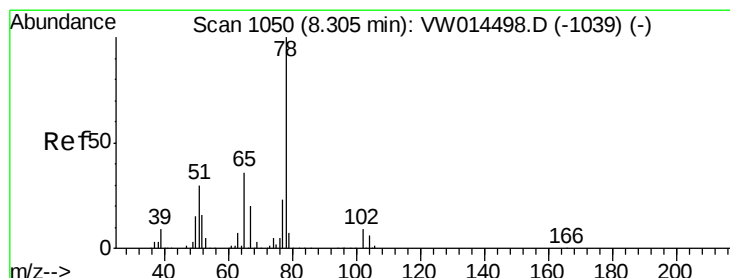
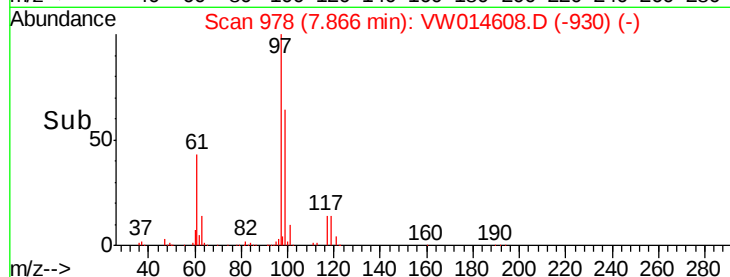
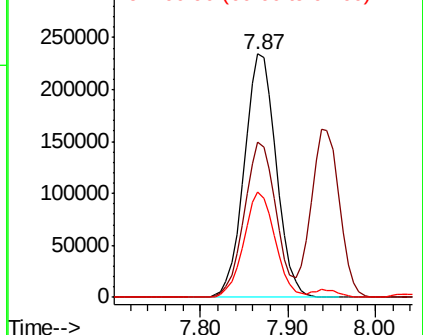


Abundance

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: 57.202 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014608.D

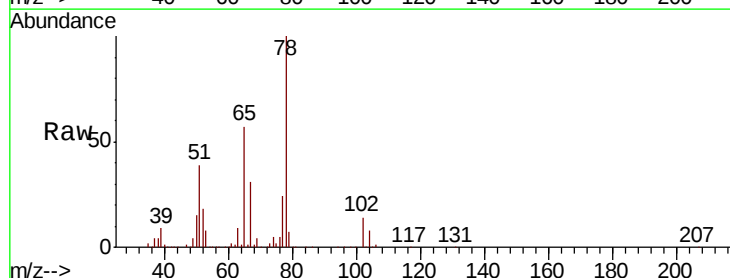
Acq: 10 Jan 2020 19:03

Tgt Ion: 65 Resp: 353683

Ion Ratio Lower Upper

65 100

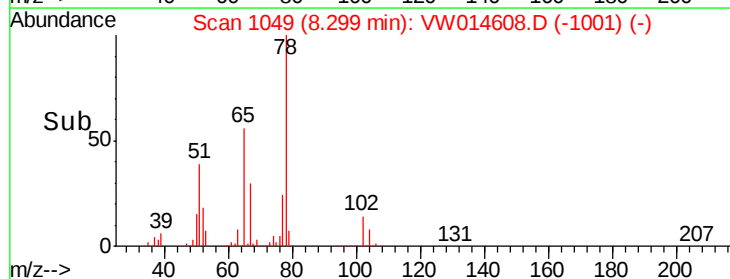
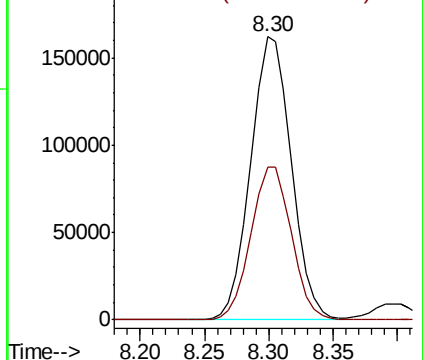
67 54.1 0.0 108.4

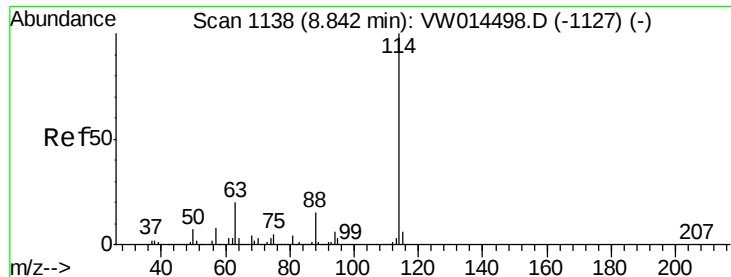


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

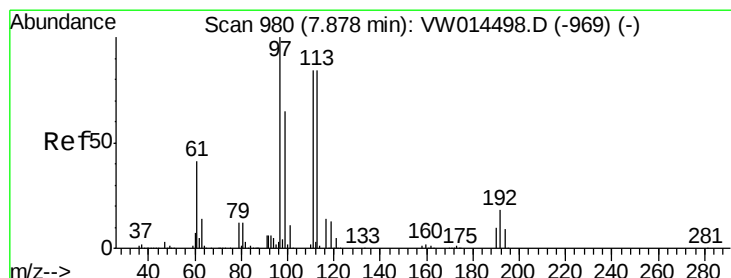
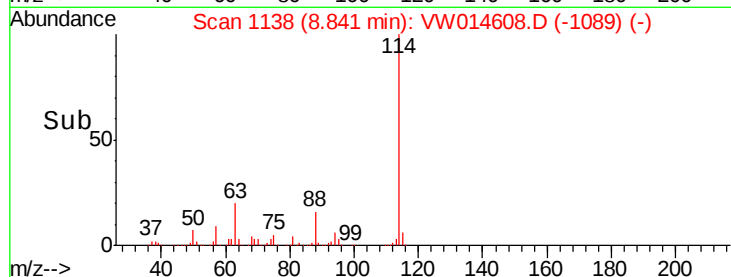
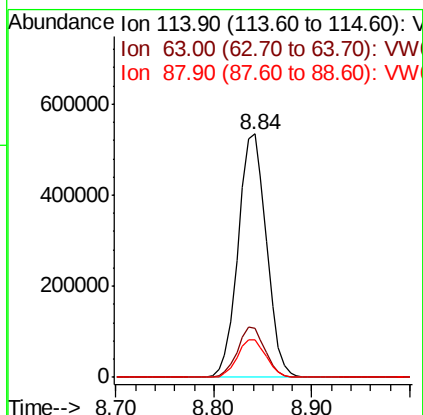
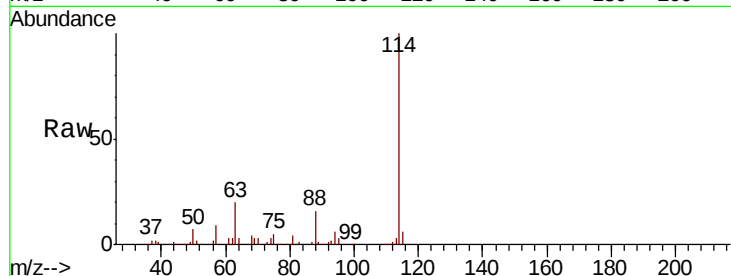




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

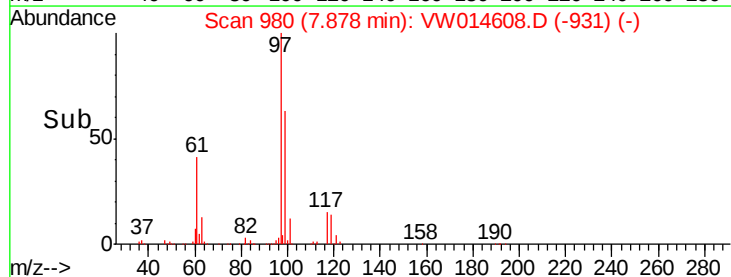
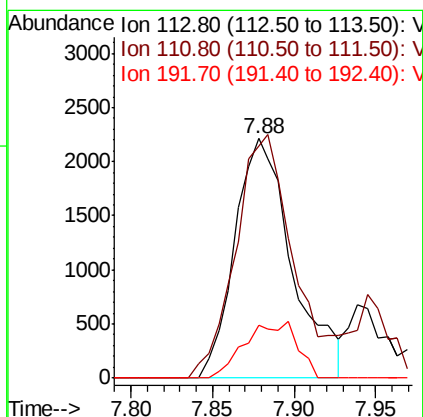
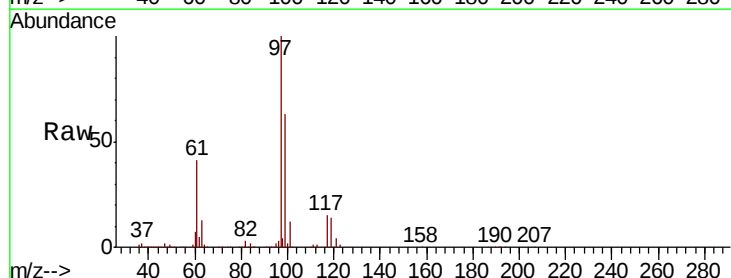
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

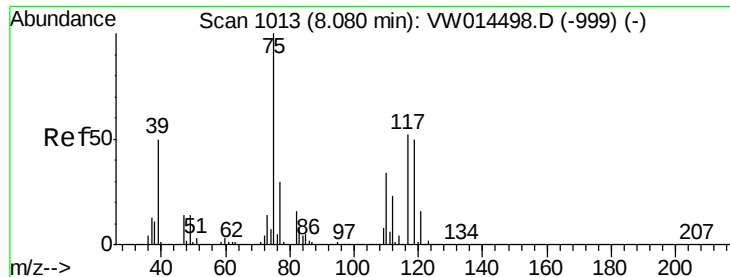
Tot Ion:114 Resp: 1071713
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.4
 88 15.7 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 0.884 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

Tgt Ion:113 Resp: 5415
 Ion Ratio Lower Upper
 113 100
 111 100.5 81.4 122.2
 192 21.2 17.8 26.8

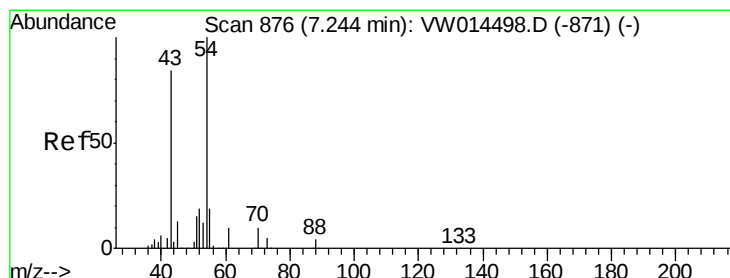
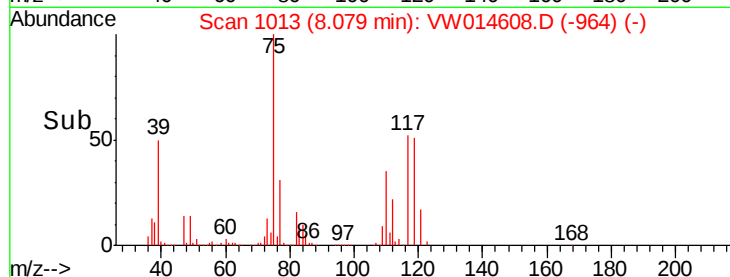
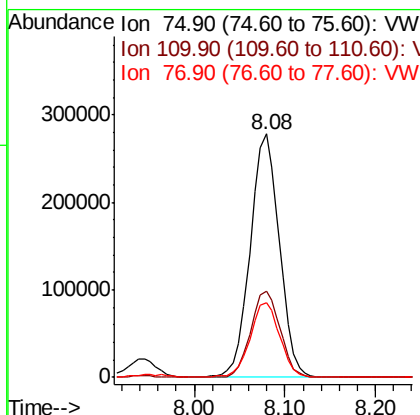
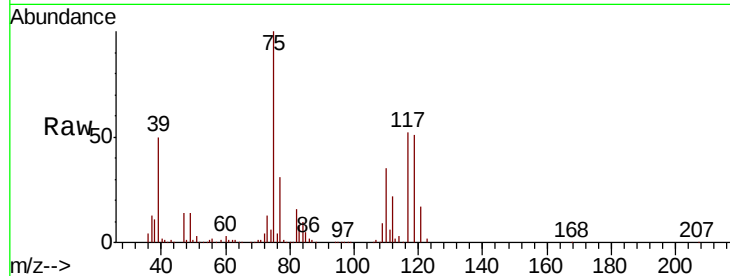




#36
 1,1-Dichloropropene
 Concen: 59.785 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

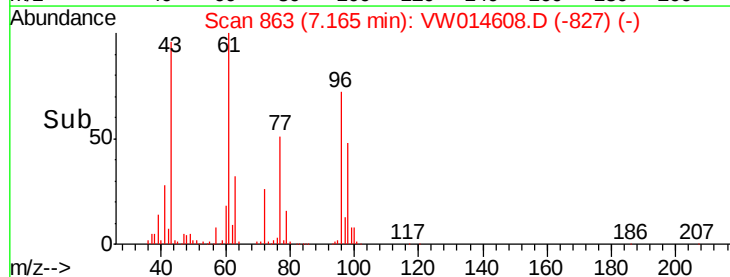
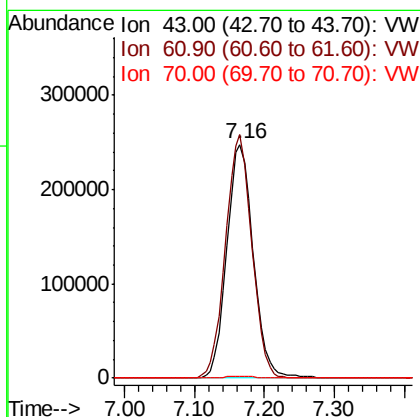
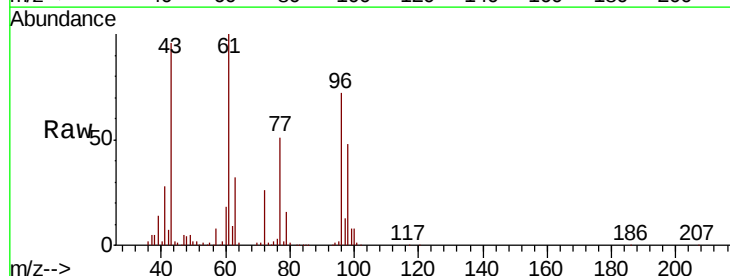
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

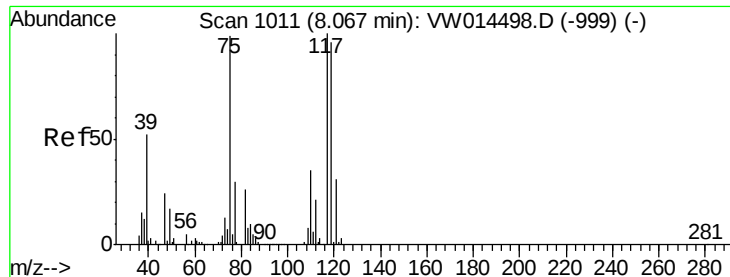
Tot Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.8	53.5
77	31.2	24.7	37.1



#37
 Ethyl Acetate
 Concen: 139.138 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.08 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	103.1	11.7	17.5#
70	1.1	9.0	13.6#

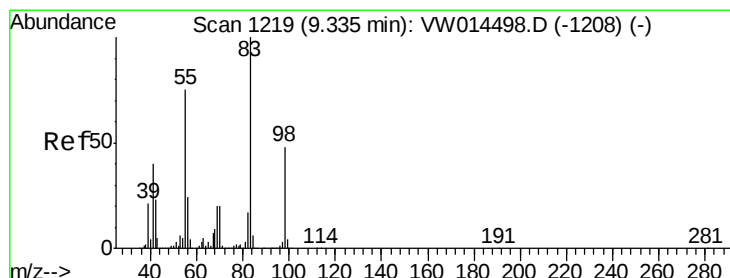
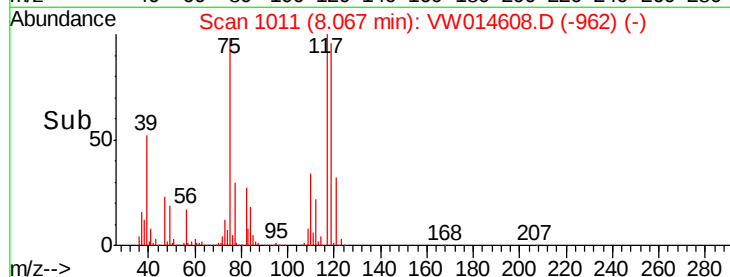
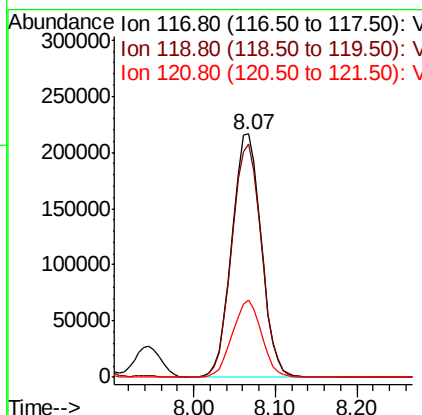
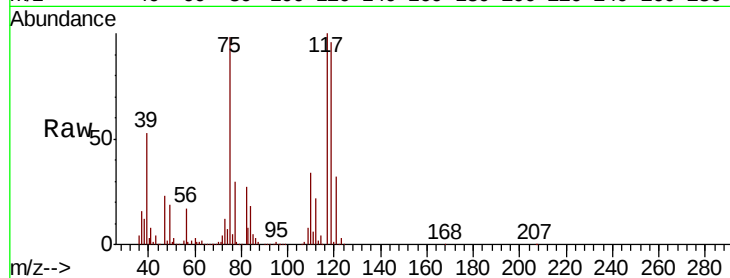




#38
Carbon Tetrachloride
Concen: 60.115 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

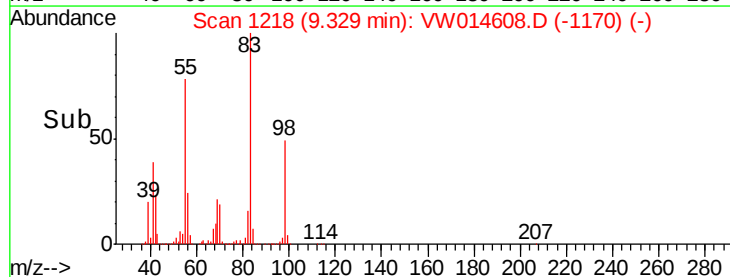
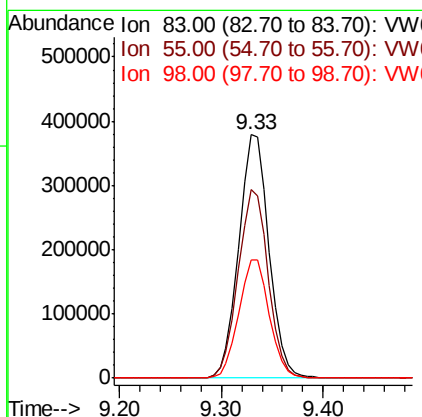
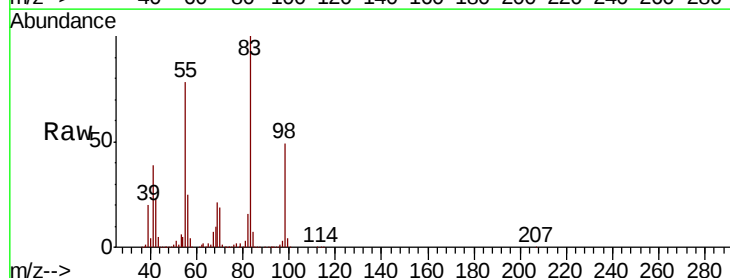
Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MSD

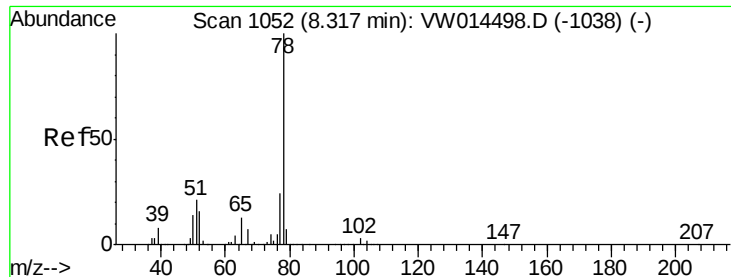
Tot Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.0	115.6
121	31.6	24.6	36.8



#39
Methylcyclohexane
Concen: 58.721 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.6	60.1	90.1
98	48.7	38.8	58.2





#40

Benzene

Concen: 61.697 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

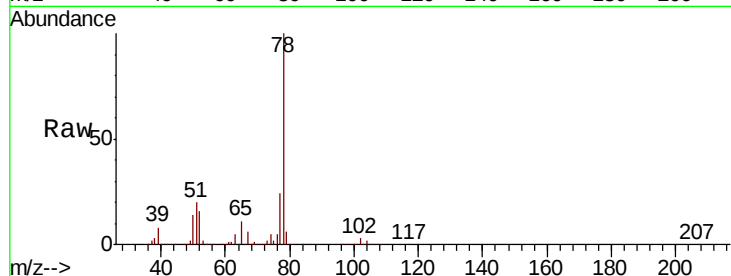
SB-3H-(8.5-10.5)MSD

Tot Ion: 78 Resp: 1803547

Ion Ratio Lower Upper

78 100

77 24.4 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

8.32

800000

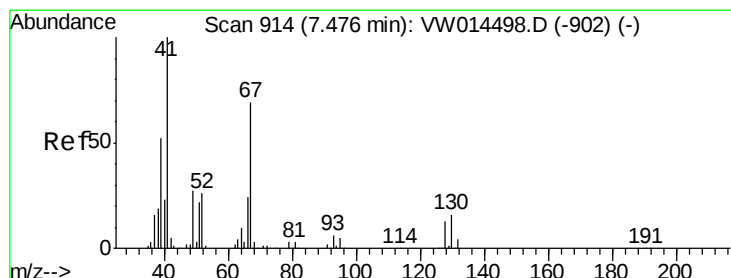
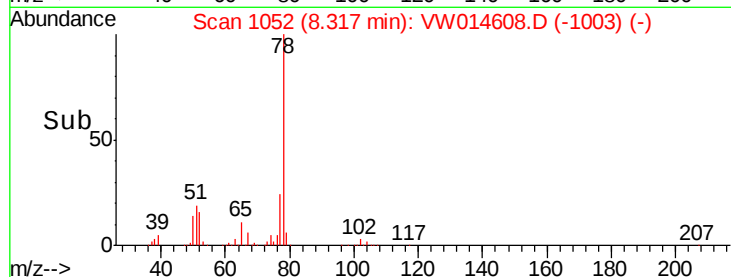
600000

400000

200000

0

Time-->



#41

Methacrylonitrile

Concen: 55.318 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Tgt Ion: 41 Resp: 144493

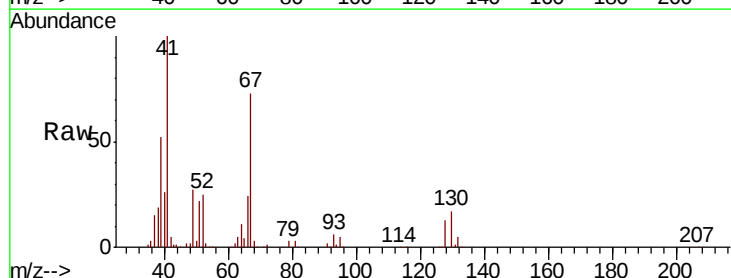
Ion Ratio Lower Upper

41 100

39 58.1 46.0 69.0

67 78.5 60.8 91.2

52 30.1 23.7 35.5



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

120000

100000

80000

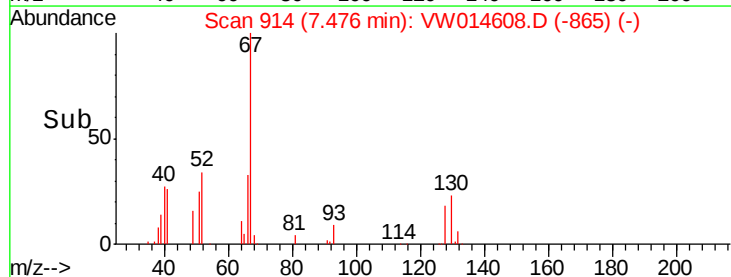
60000

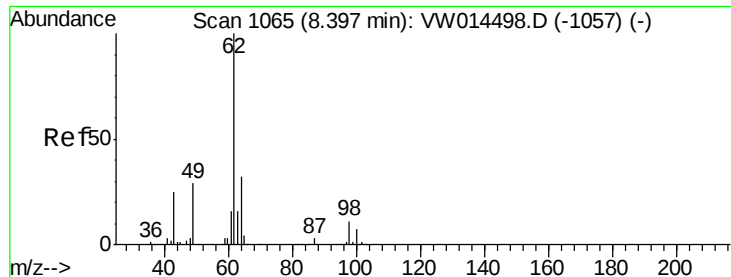
40000

20000

0

Time-->





#42

1,2-Dichloroethane

Concen: 60.701 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

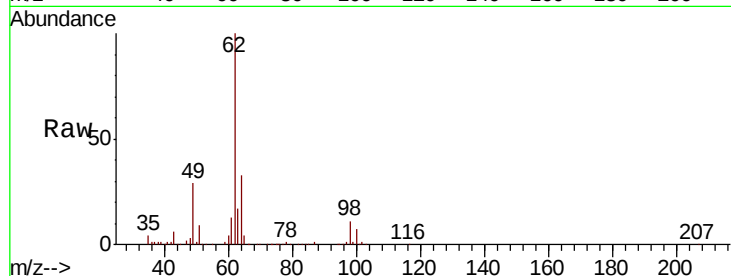
SB-3H-(8.5-10.5)MSD

Tot Ion: 62 Resp: 460483

Ion Ratio Lower Upper

62 100

98 11.0 0.0 22.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

8.40

250000

200000

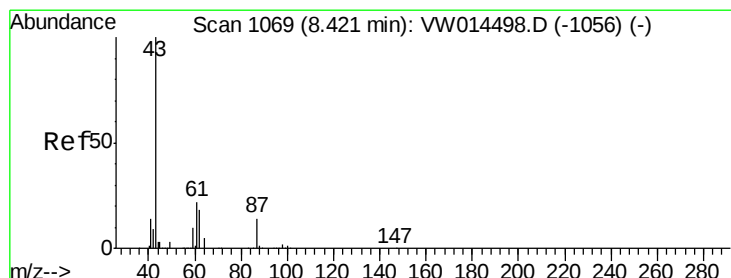
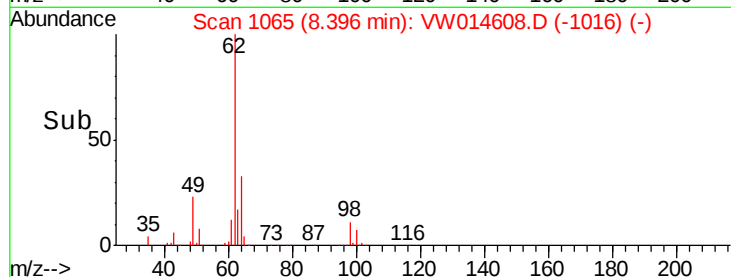
150000

100000

50000

0

Time-->



#43

Isopropyl Acetate

Concen: 17.240 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

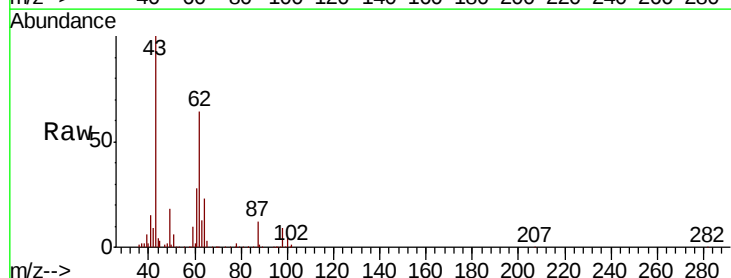
Tgt Ion: 43 Resp: 146690

Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 13.5 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW

8.42

80000

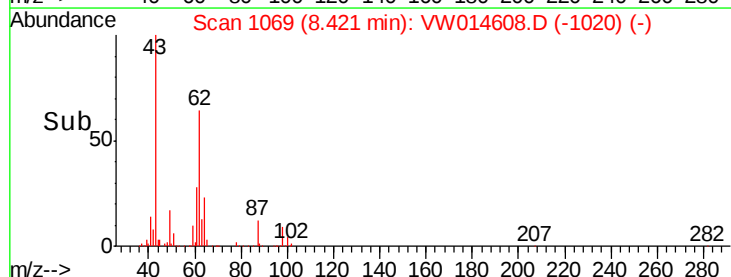
60000

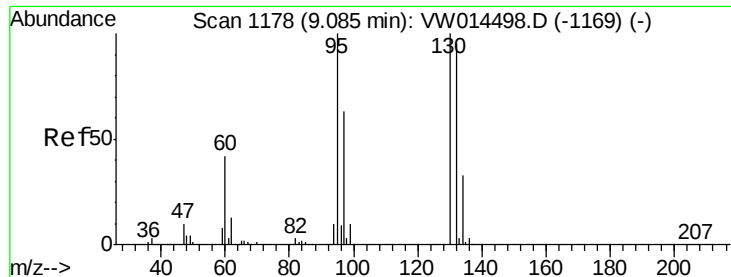
40000

20000

0

Time-->





#44

Trichloroethene

Concen: 112.803 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

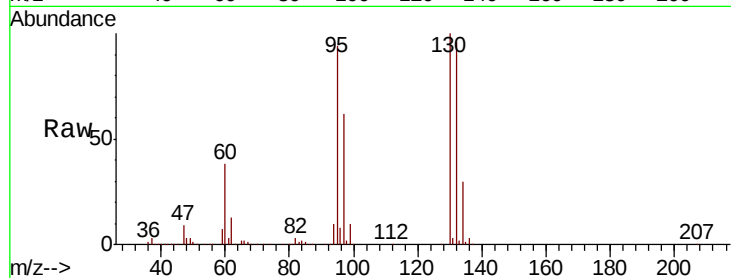
SB-3H-(8.5-10.5)MSD

Tot Ion:130 Resp: 892275

Ion Ratio Lower Upper

130 100

95 94.3 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): VW

Ion 94.90 (94.60 to 95.60): VW

9.09

400000

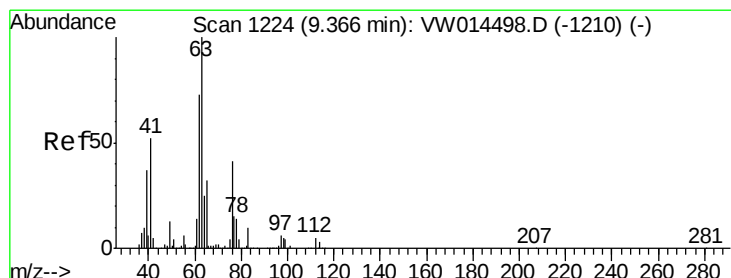
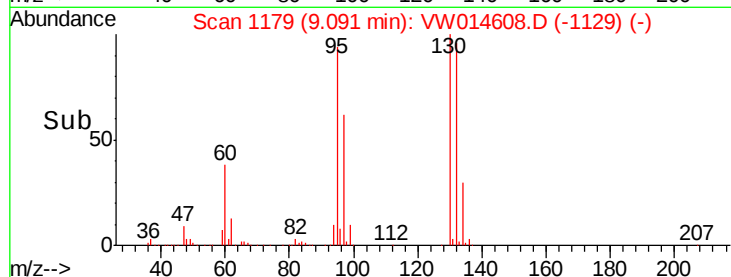
300000

200000

100000

0

Time-->



#45

1,2-Dichloropropane

Concen: 62.433 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014608.D

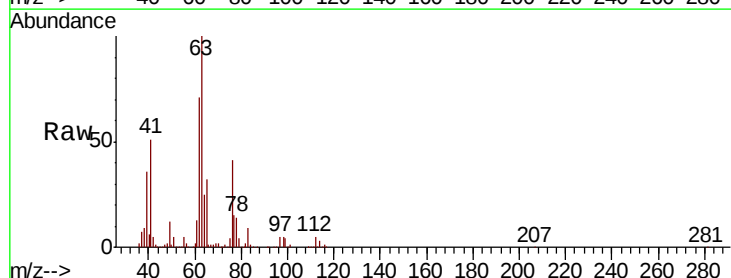
Acq: 10 Jan 2020 19:03

Tgt Ion: 63 Resp: 447853

Ion Ratio Lower Upper

63 100

65 31.7 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

250000

200000

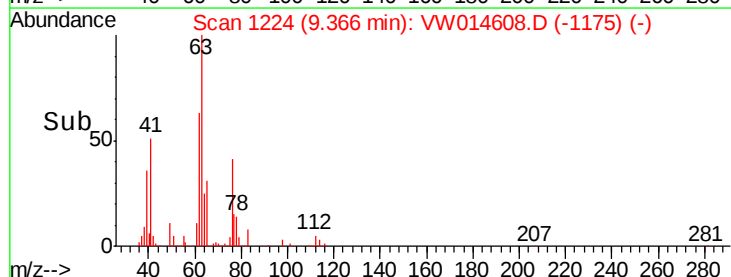
150000

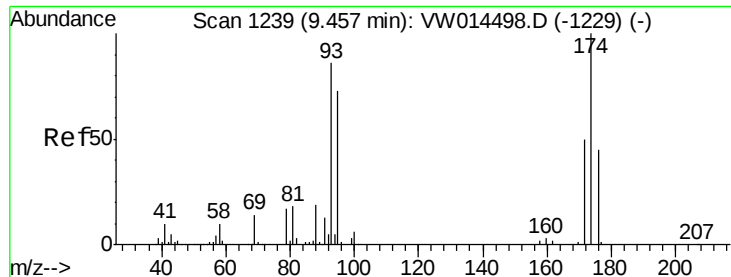
100000

50000

0

Time-->

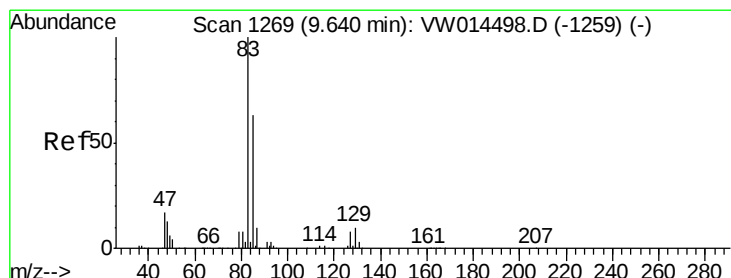
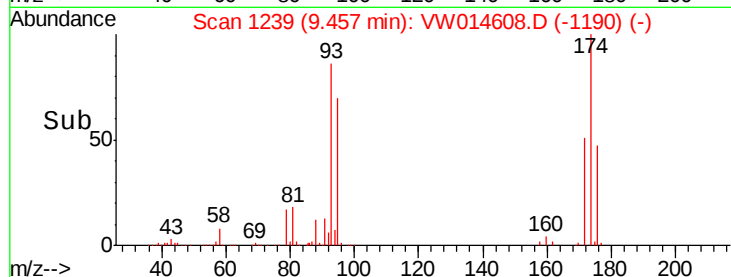
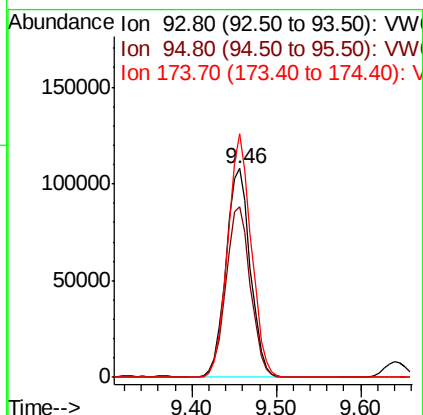
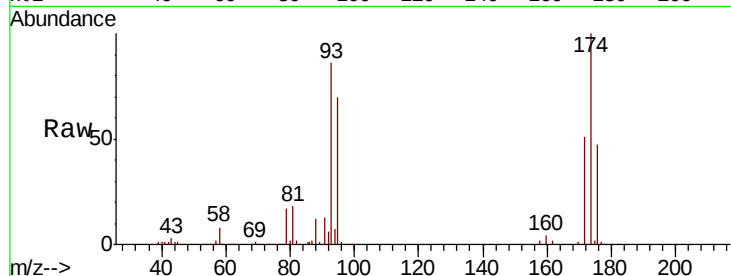




#46
Dibromomethane
Concen: 60.166 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

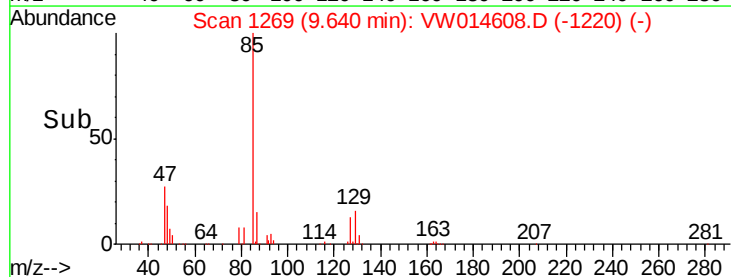
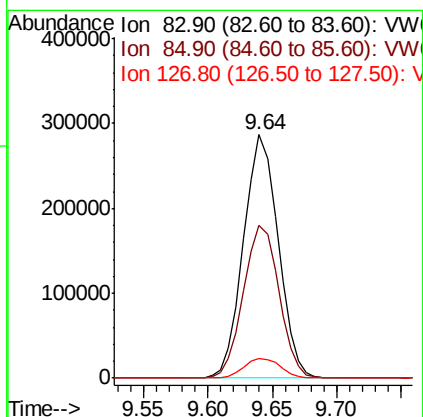
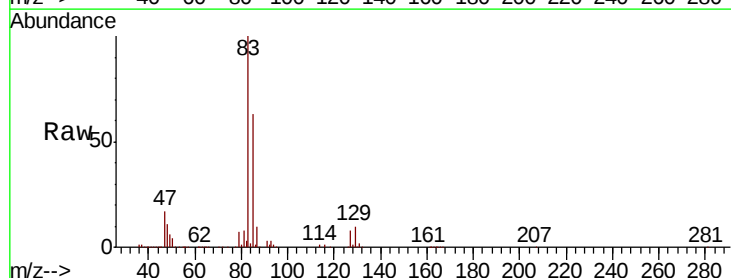
Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MSD

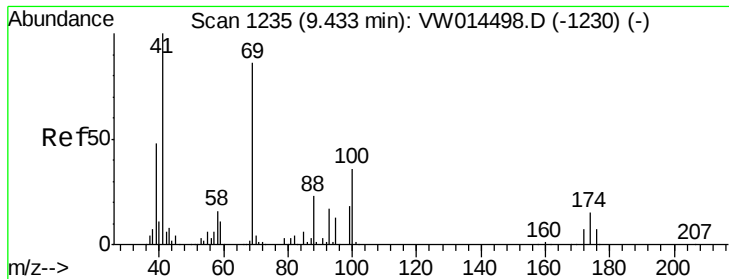
Tot Ion: 93 Resp: 213063
Ion Ratio Lower Upper
93 100
95 82.1 66.4 99.6
174 112.6 89.1 133.7



#47
Bromodichloromethane
Concen: 61.244 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

Tgt Ion: 83 Resp: 535450
Ion Ratio Lower Upper
83 100
85 63.0 50.6 76.0
127 8.0 6.6 9.8

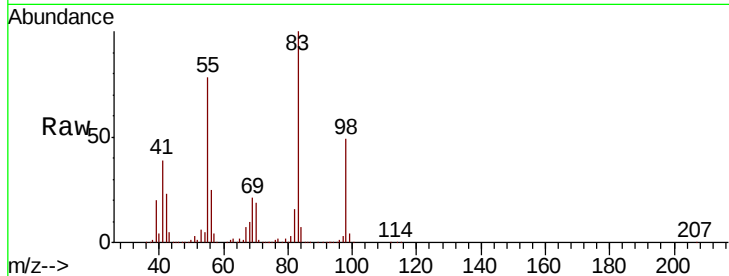




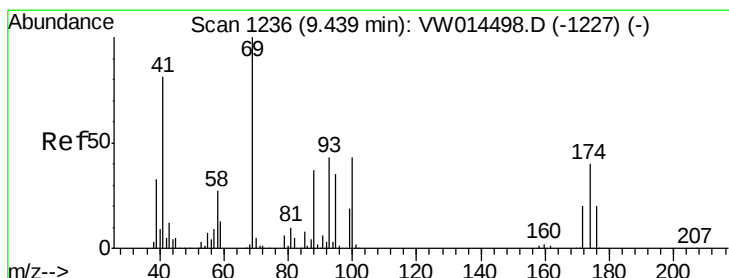
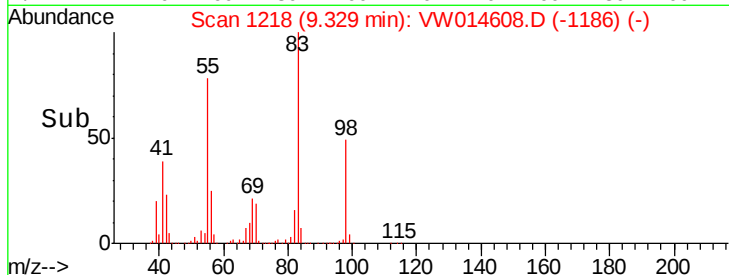
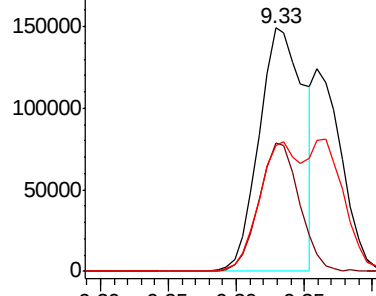
#48
Methvl methacrylate
Concen: 82.517 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.10 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion: 41 Resp: 342806
Ion Ratio Lower Upper
41 100
69 47.4 68.3 102.5#
39 47.3 36.8 55.2

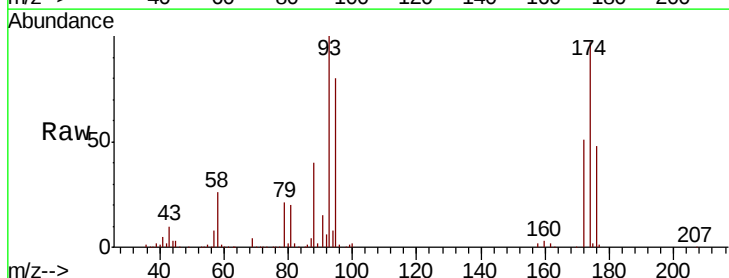


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

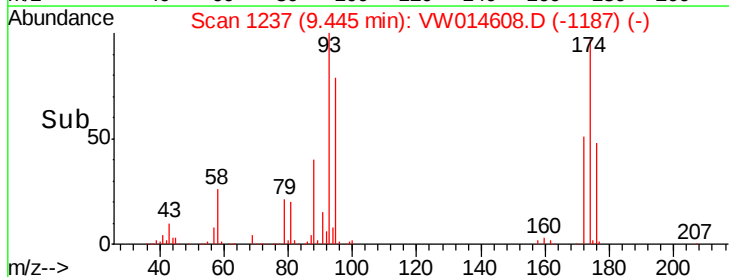
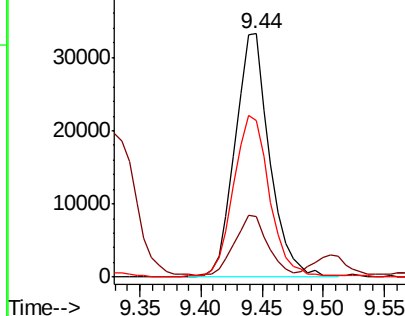


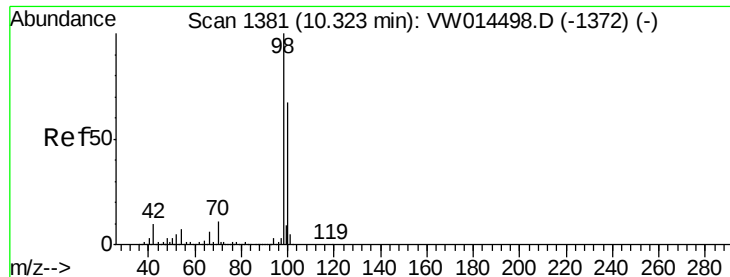
#49
1,4-Dioxane
Concen: 984.620 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

Tgt Ion: 88 Resp: 65215
Ion Ratio Lower Upper
88 100
43 23.2 24.9 37.3#
58 69.7 56.9 85.3



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: 57.662 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

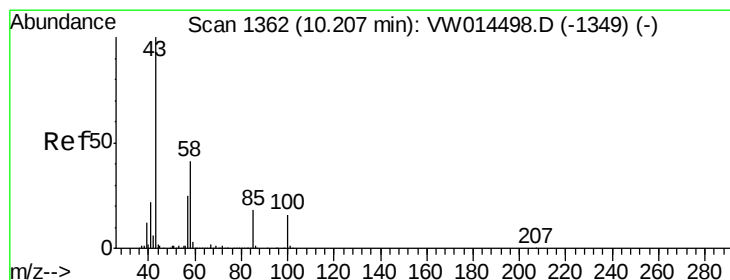
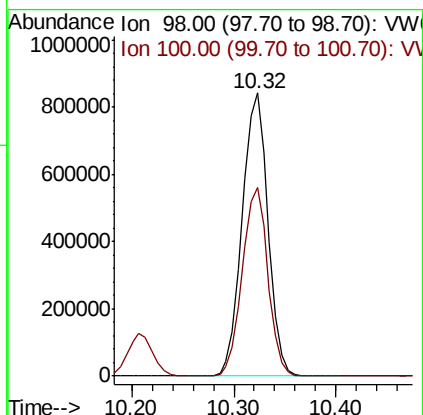
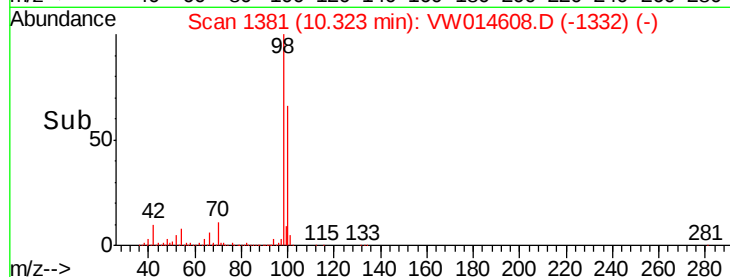
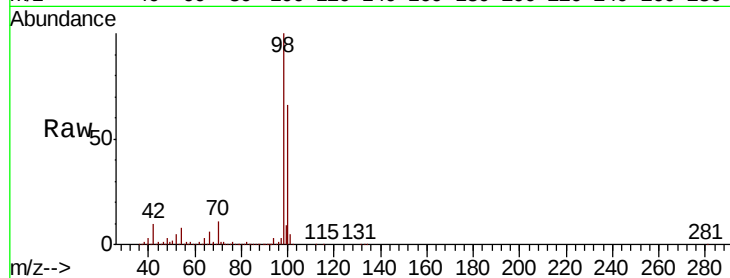
SB-3H-(8.5-10.5)MSD

Tot Ion: 98 Resp: 1473917

Ion Ratio Lower Upper

98 100

100 66.2 53.8 80.6



#51

4-Methyl-2-Pentanone

Concen: 296.819 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014608.D

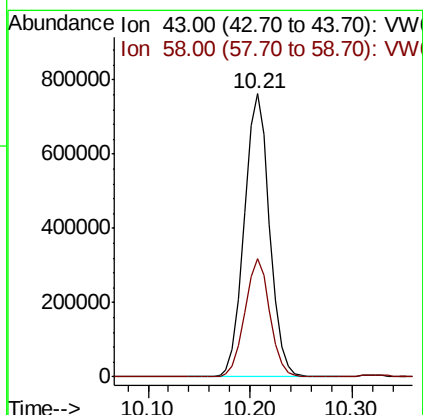
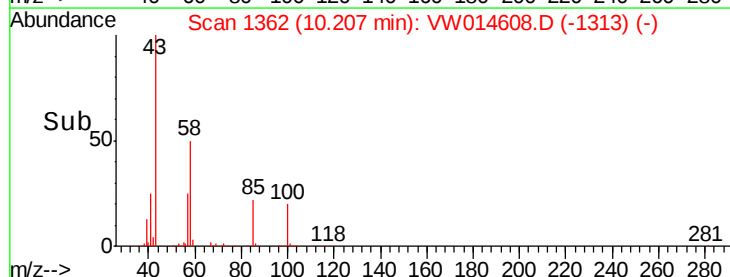
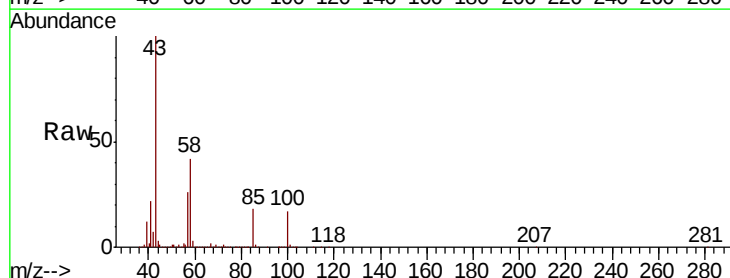
Acq: 10 Jan 2020 19:03

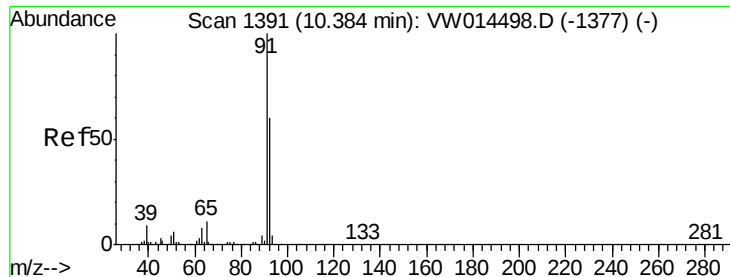
Tgt Ion: 43 Resp: 1311552

Ion Ratio Lower Upper

43 100

58 41.4 32.7 49.1





#52

Toluene

Concen: 62.732 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

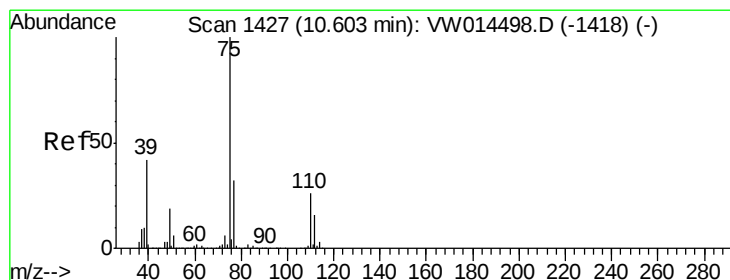
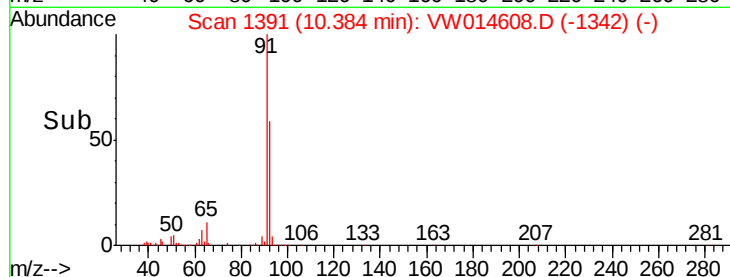
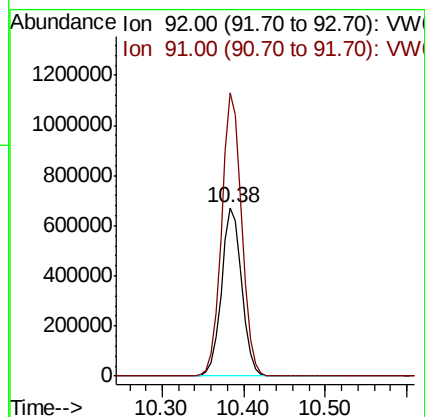
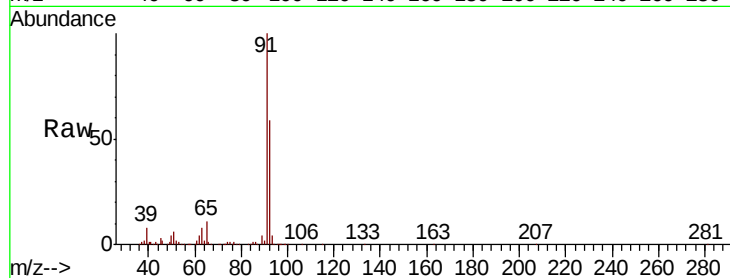
SB-3H-(8.5-10.5)MSD

Tot Ion: 92 Resp: 1153668

Ion Ratio Lower Upper

92 100

91 167.7 134.1 201.1



#53

t-1,3-Dichloropropene

Concen: 61.588 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014608.D

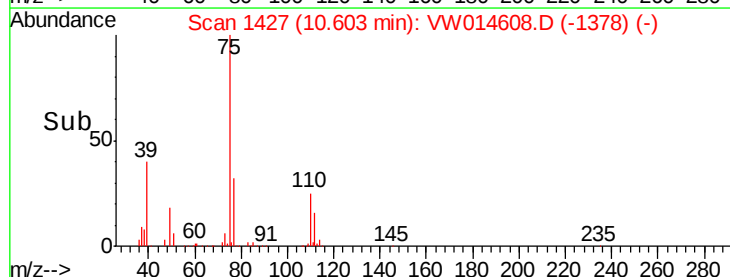
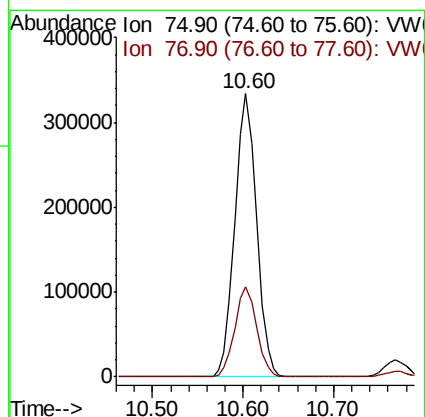
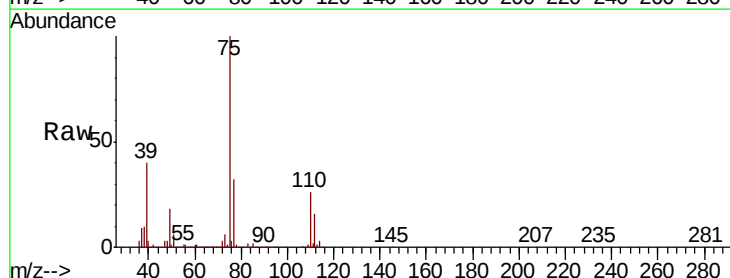
Acq: 10 Jan 2020 19:03

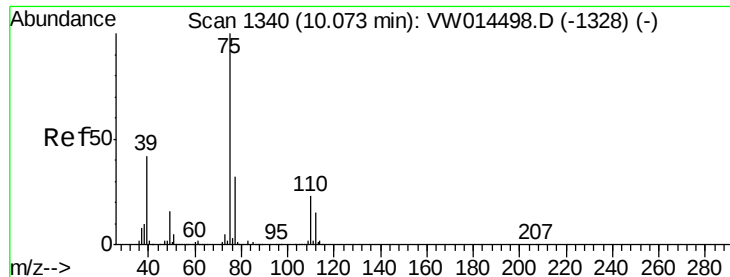
Tgt Ion: 75 Resp: 557516

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2





#54

cis-1,3-Dichloropropene

Concen: 61.779 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MSD

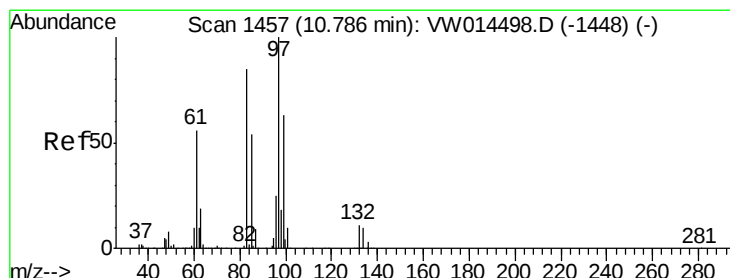
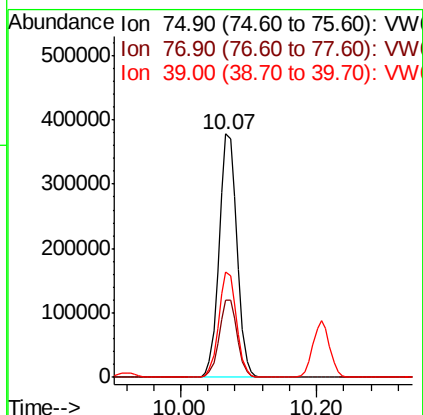
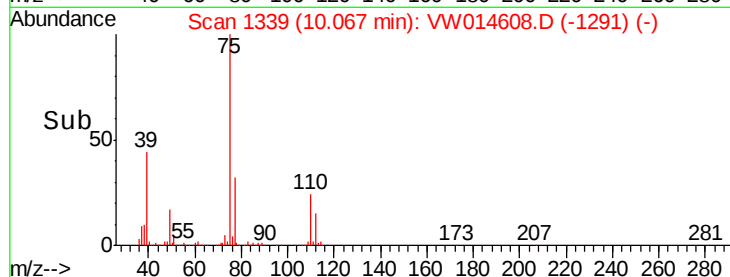
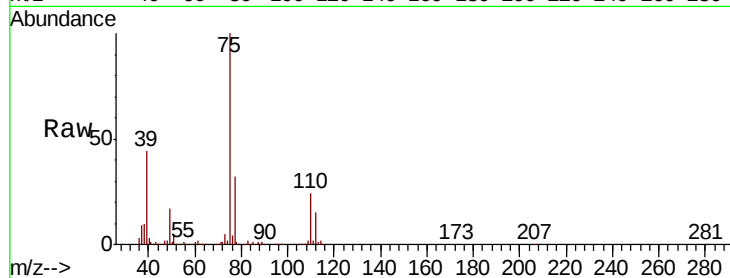
Tot Ion: 75 Resp: 683489

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 43.5 33.4 50.2



#55

1,1,2-Trichloroethane

Concen: 52.733 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Tgt Ion: 97 Resp: 272728

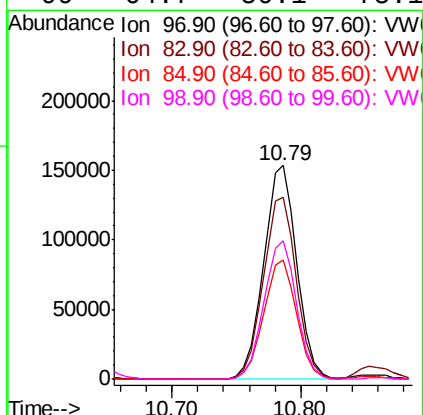
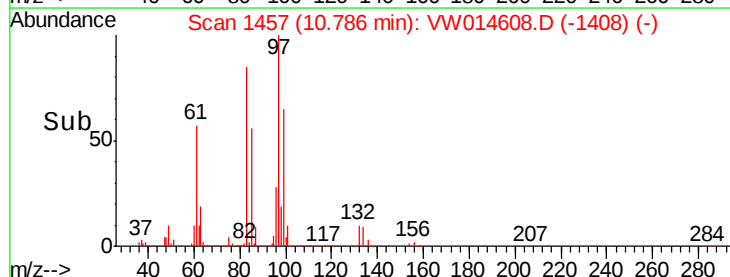
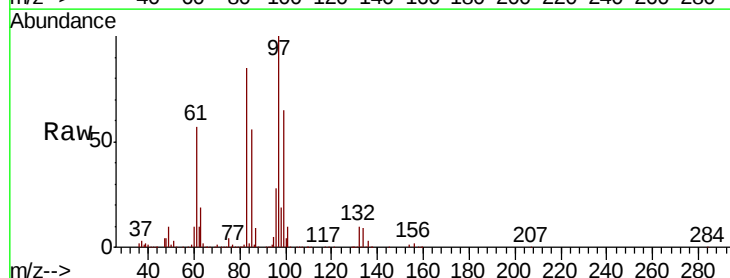
Ion Ratio Lower Upper

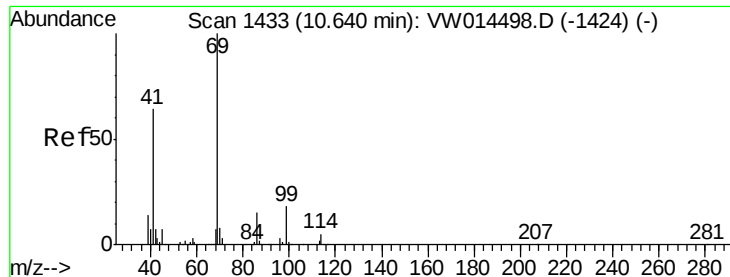
97 100

83 85.2 68.2 102.4

85 55.5 43.0 64.4

99 64.7 50.1 75.1





#56

Ethyl methacrylate

Concen: 13.535 ug/l

RT: 10.64 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MSD

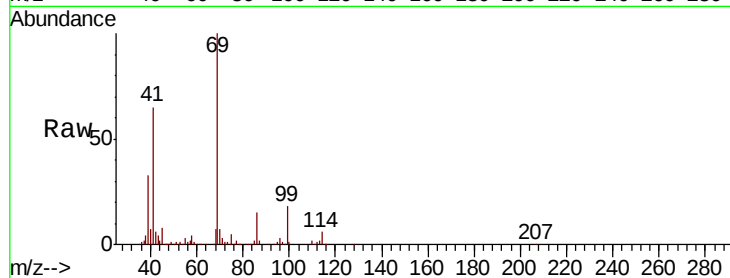
Tot Ion: 69 Resp: 90977

Ion Ratio Lower Upper

69 100

41 63.9 51.3 76.9

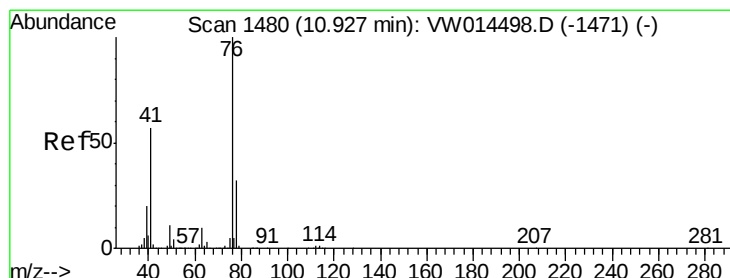
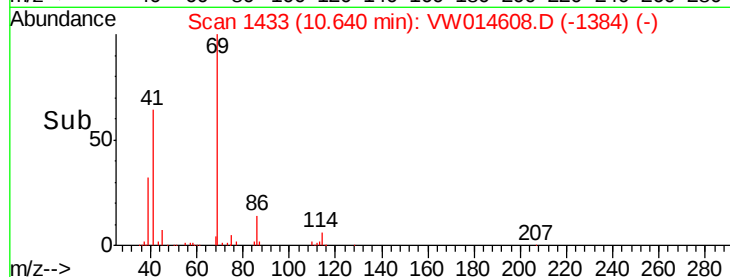
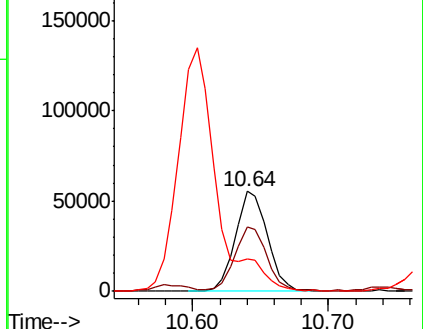
39 0.0 21.0 31.6#



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: 61.171 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW014608.D

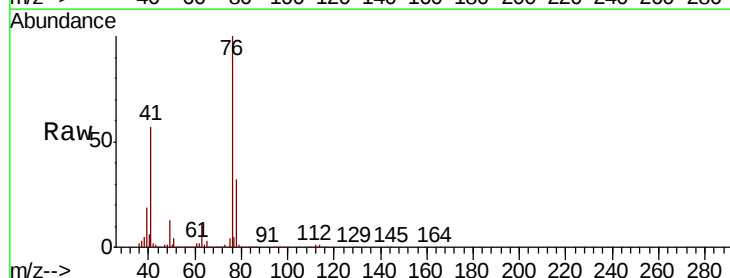
Acq: 10 Jan 2020 19:03

Tgt Ion: 76 Resp: 556038

Ion Ratio Lower Upper

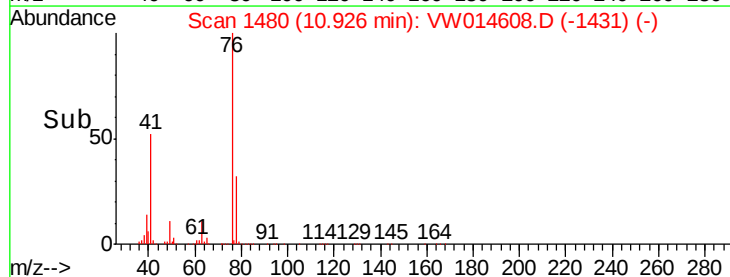
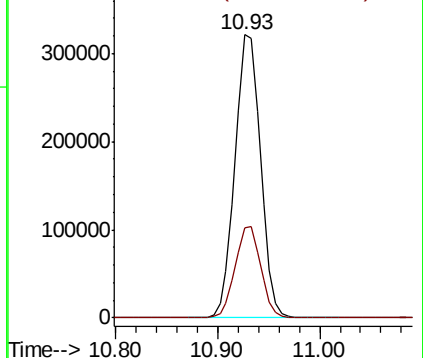
76 100

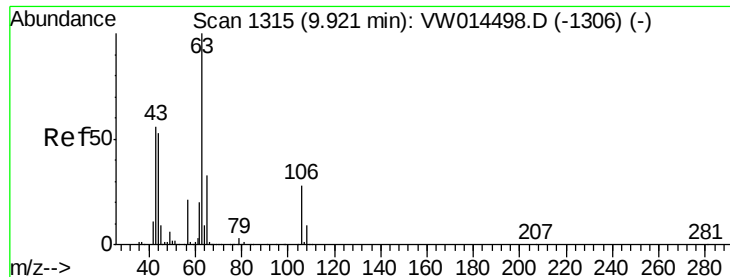
78 32.4 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

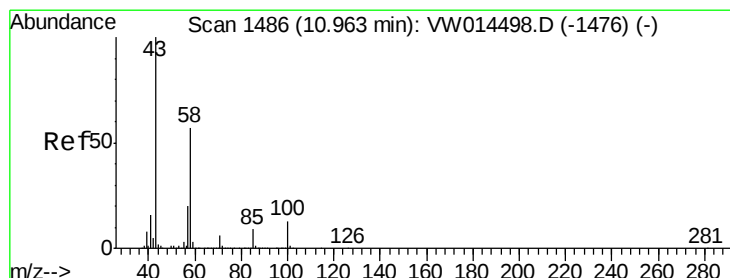
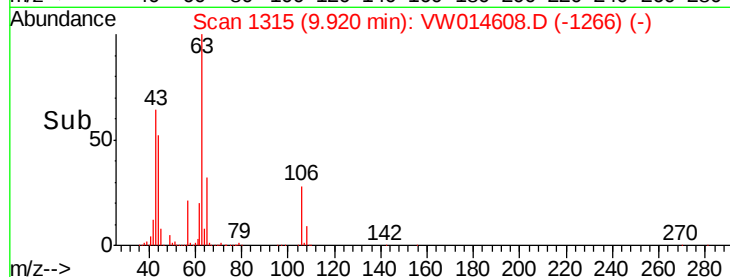
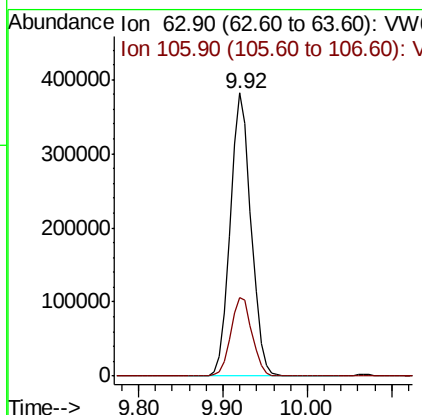
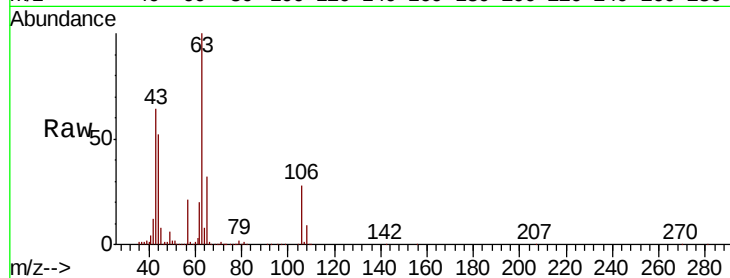




#58
 2-Chloroethyl Vinyl ether
 Concen: 313.408 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

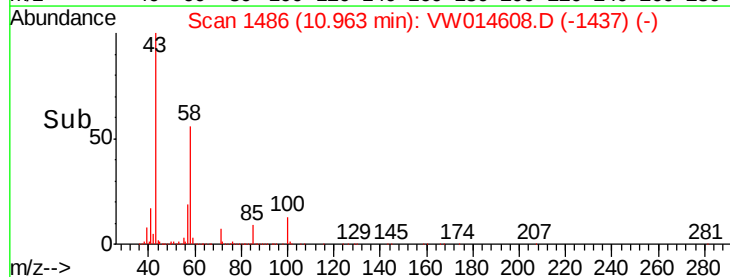
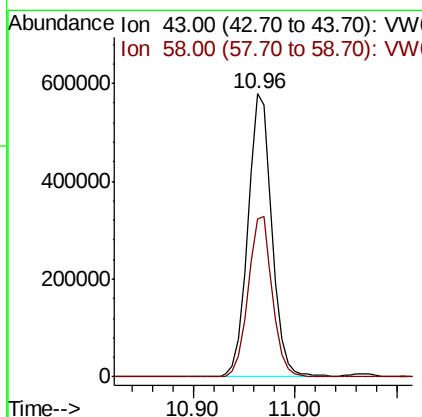
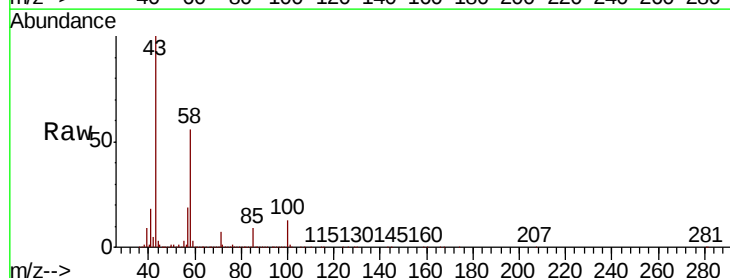
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

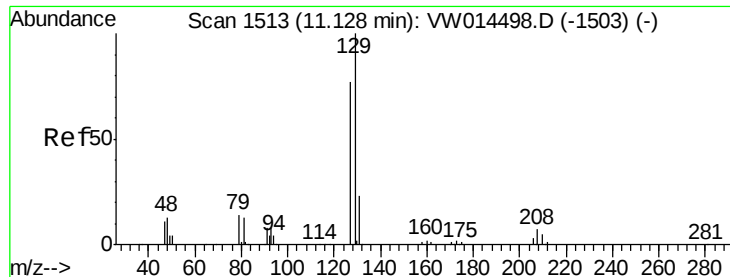
Tot Ion: 63 Resp: 640671
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.0 34.6



#59
 2-Hexanone
 Concen: 312.013 ug/l
 RT: 10.96 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

Tgt Ion: 43 Resp: 950037
 Ion Ratio Lower Upper
 43 100
 58 57.0 28.7 86.3





#60

Dibromochloromethane

Concen: 61.495 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

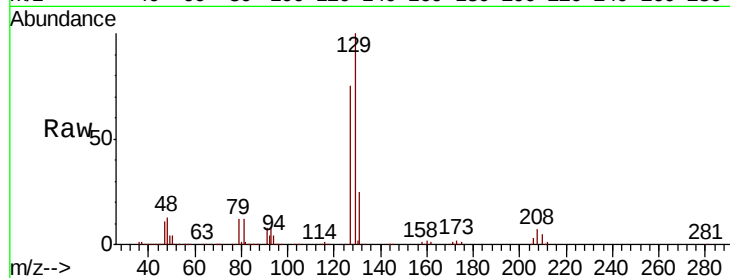
SB-3H-(8.5-10.5)MSD

Tot Ion:129 Resp: 358854

Ion Ratio Lower Upper

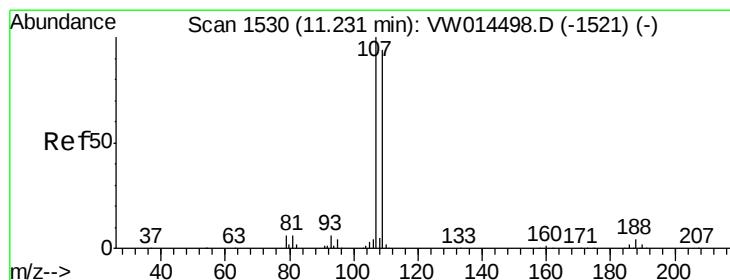
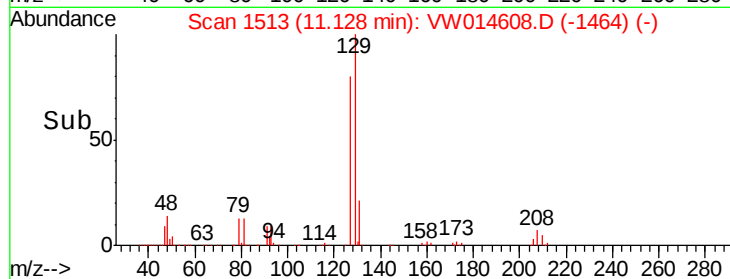
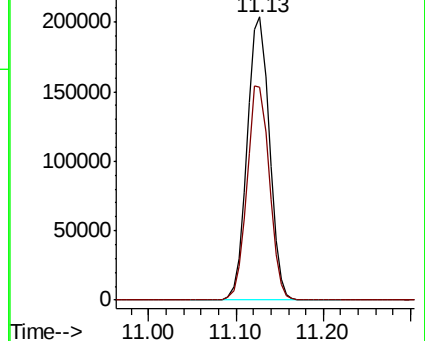
129 100

127 76.3 38.1 114.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 60.161 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014608.D

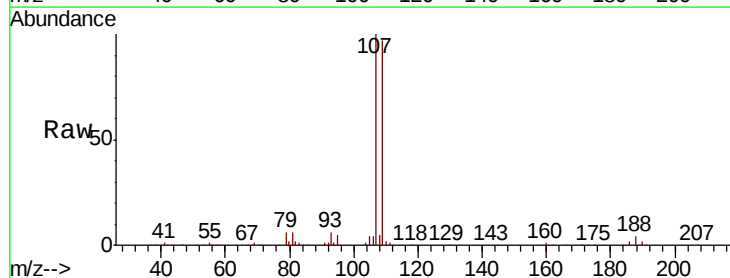
Acq: 10 Jan 2020 19:03

Tgt Ion:107 Resp: 295349

Ion Ratio Lower Upper

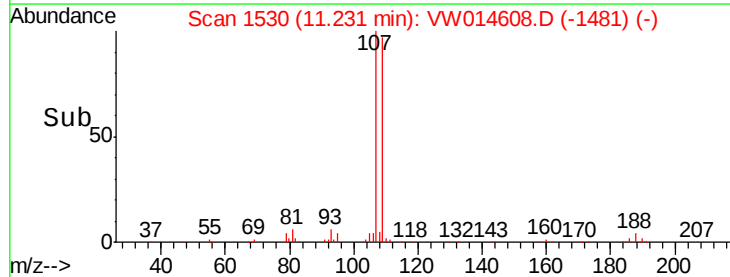
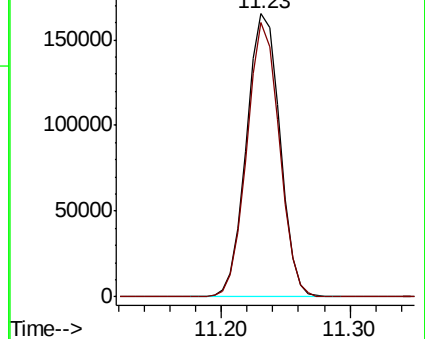
107 100

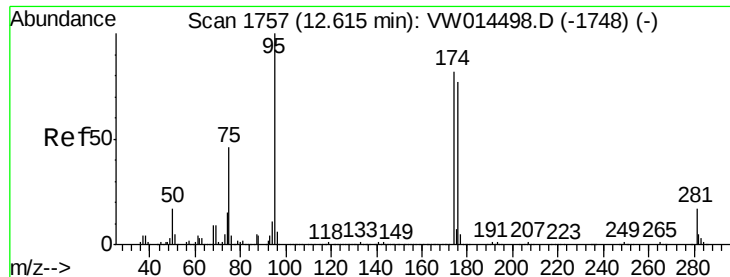
109 94.1 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 58.909 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MSD

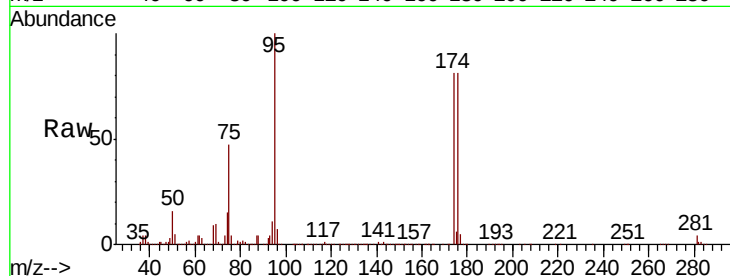
Tot Ion: 95 Resp: 510742

Ion Ratio Lower Upper

95 100

174 84.4 0.0 168.6

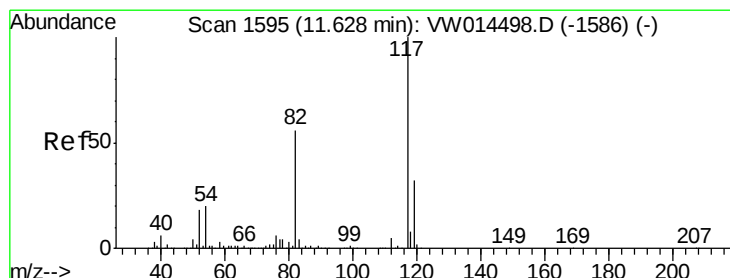
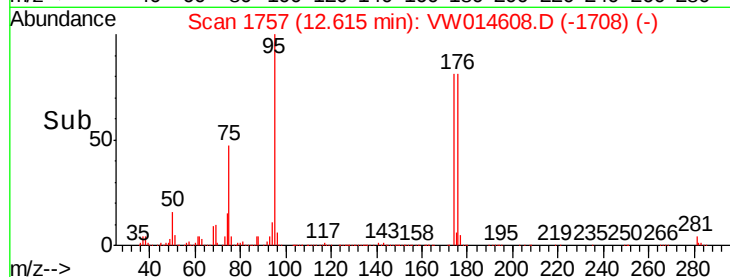
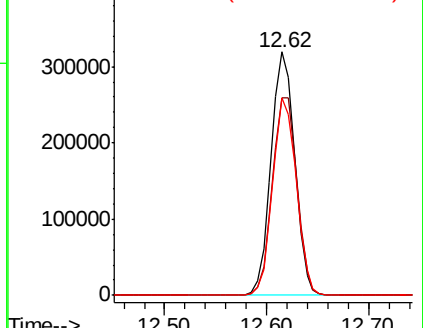
176 81.0 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

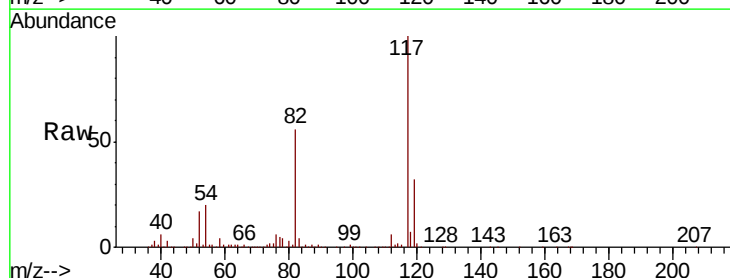
Tgt Ion: 117 Resp: 935871

Ion Ratio Lower Upper

117 100

82 55.5 44.6 67.0

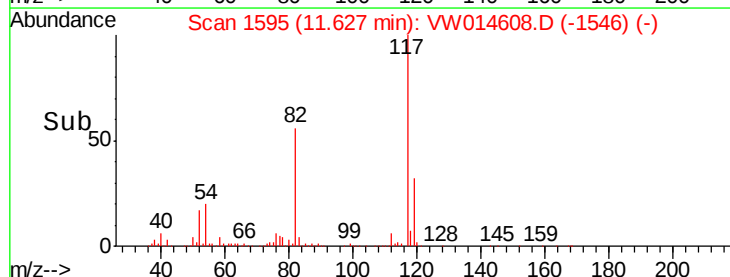
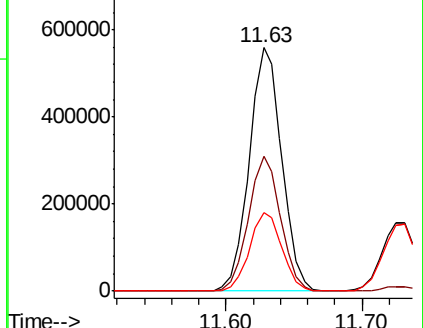
119 32.2 25.7 38.5

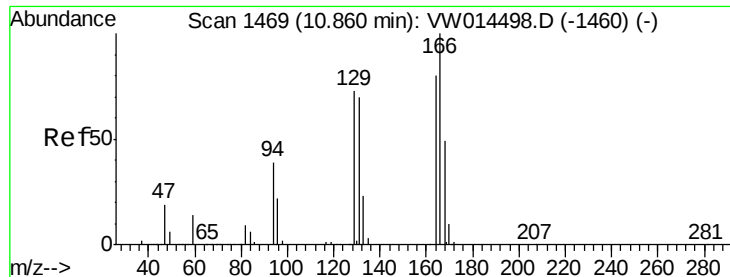


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 108.706 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion:164 Resp: 736524

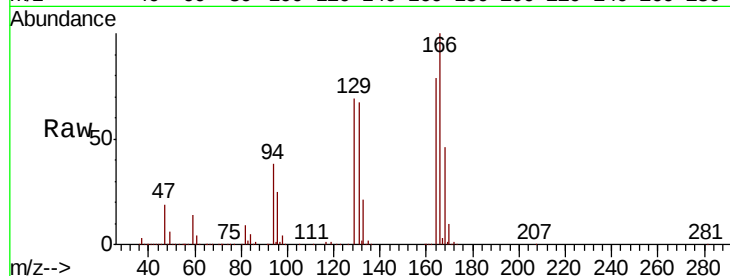
Ion Ratio Lower Upper

164 100

166 126.3 99.8 149.6

129 86.8 72.4 108.6

131 84.6 70.1 105.1

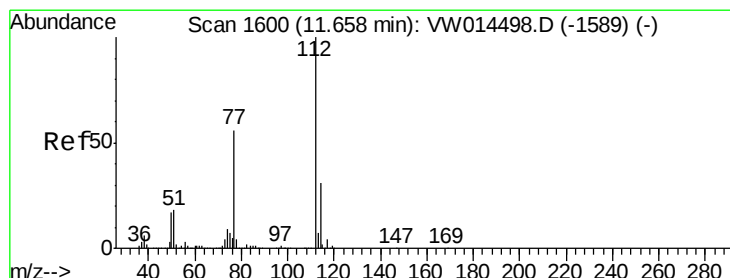
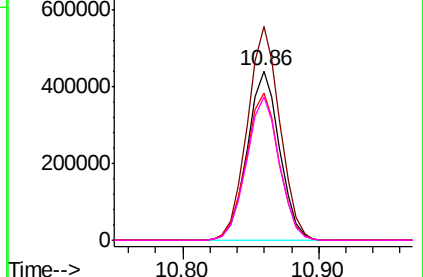
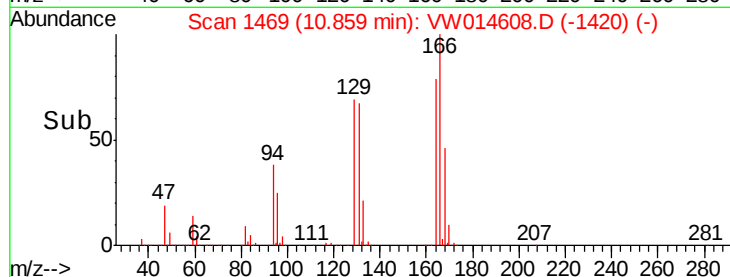


Abundance Ion 163.80 (163.50 to 164.50): V

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: 61.798 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014608.D

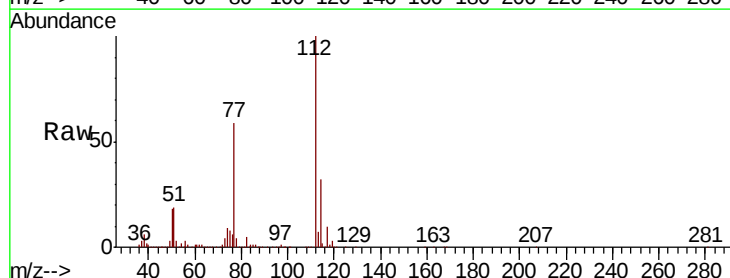
Acq: 10 Jan 2020 19:03

Tgt Ion:112 Resp: 1184866

Ion Ratio Lower Upper

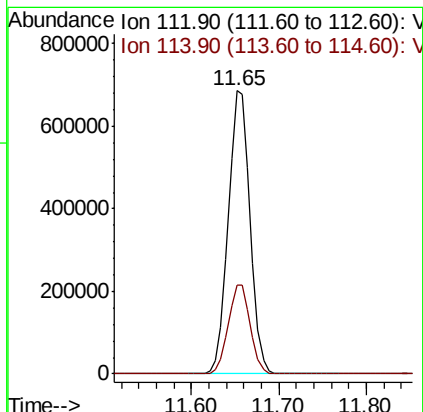
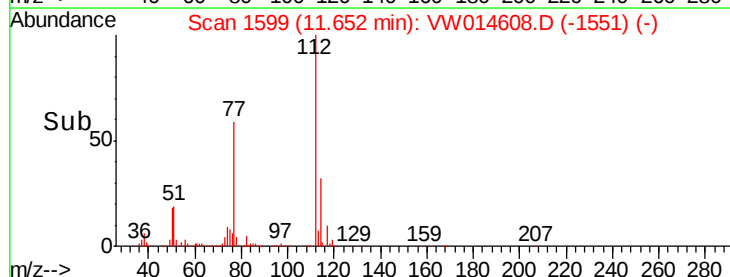
112 100

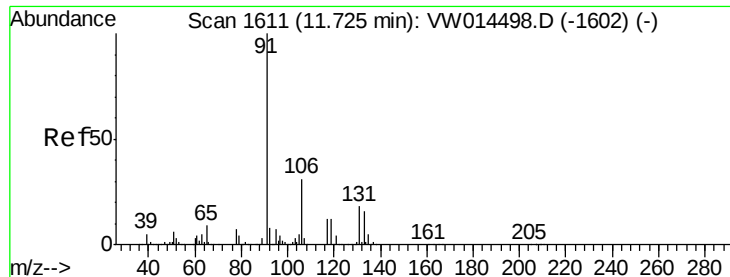
114 31.6 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

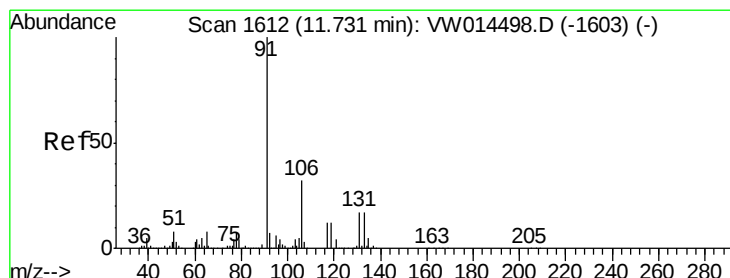
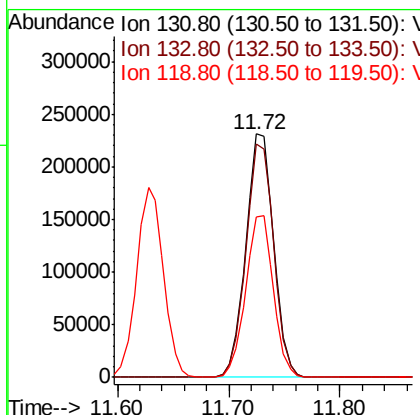
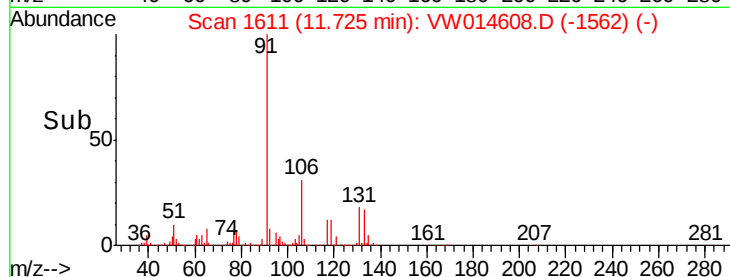
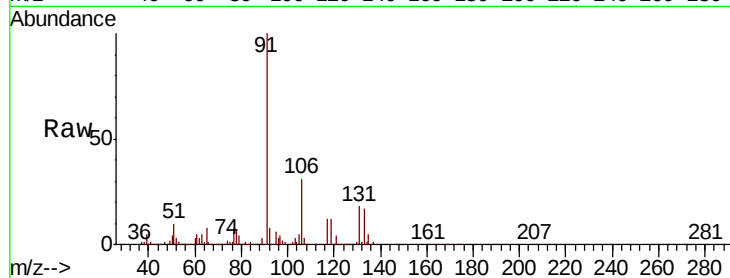




#66
 1,1,1,2-Tetrachloroethane
 Concen: 62.253 ug/l
 RT: 11.72 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

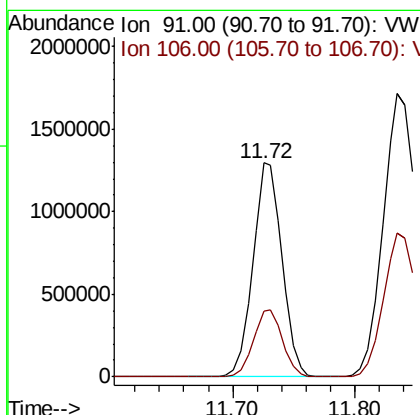
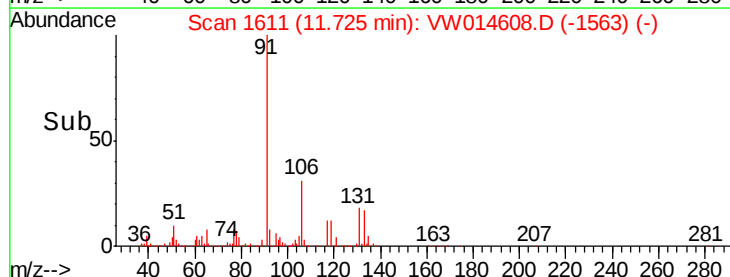
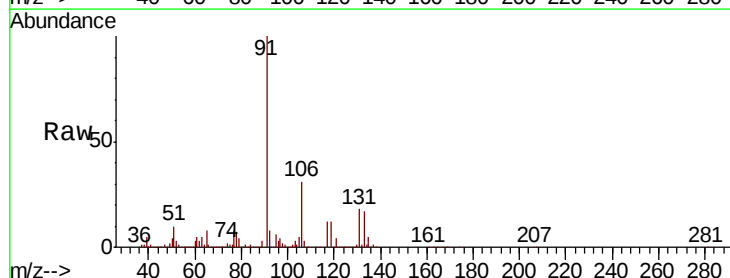
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

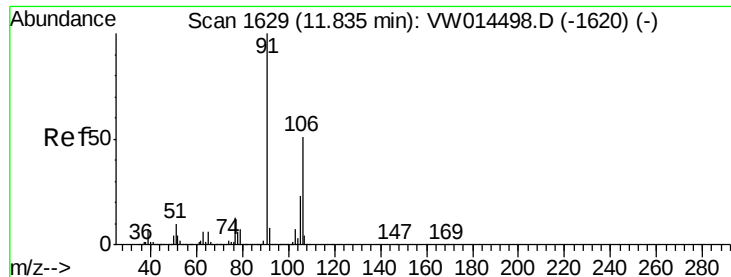
Tot Ion:131 Resp: 401875
 Ion Ratio Lower Upper
 131 100
 133 96.1 47.3 142.0
 119 65.9 33.1 99.3



#67
 Ethyl Benzene
 Concen: 61.840 ug/l
 RT: 11.72 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

Tgt Ion: 91 Resp: 2136736
 Ion Ratio Lower Upper
 91 100
 106 31.0 25.5 38.3

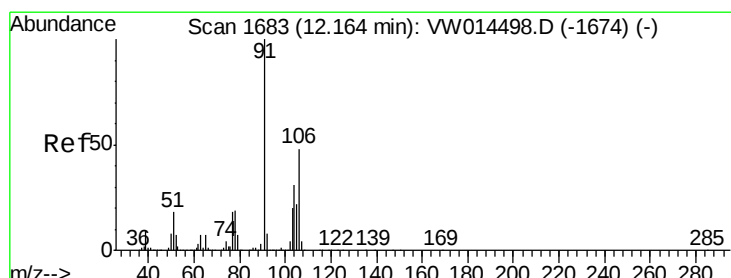
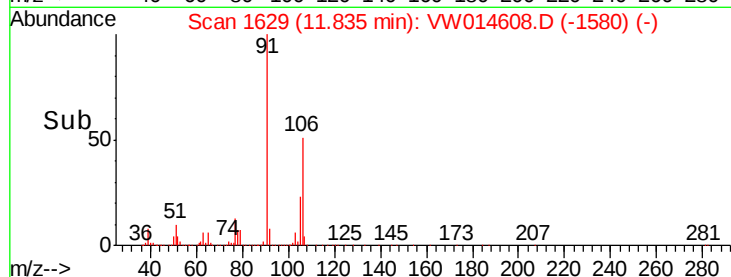
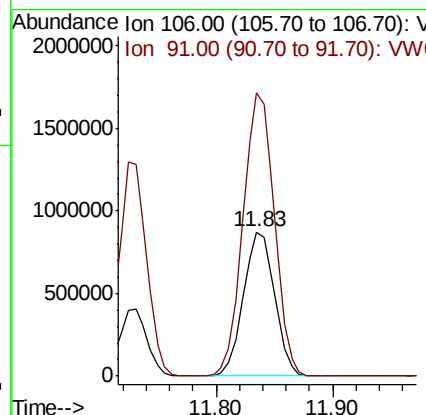
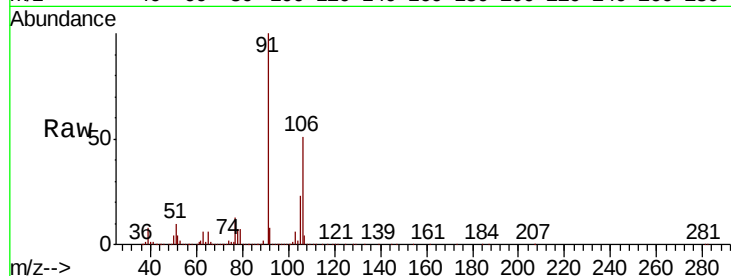




#68
m/p-Xylenes
Concen: 123.453 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

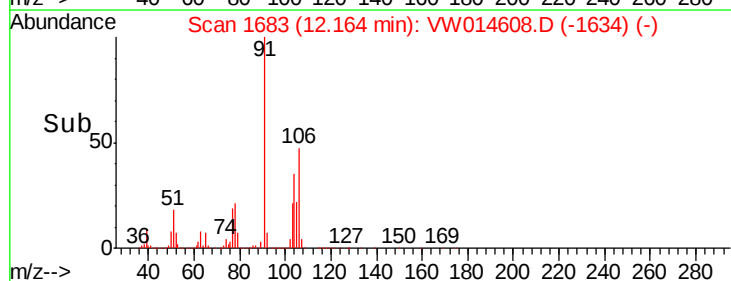
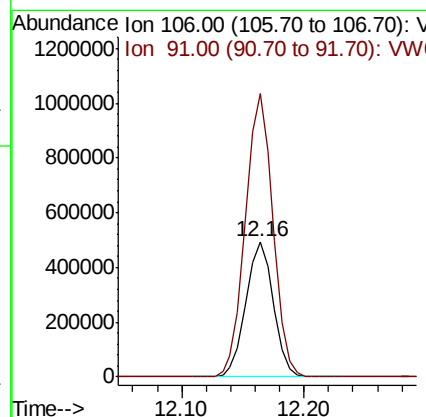
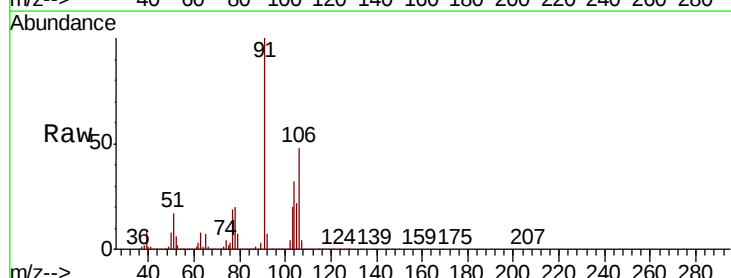
Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MSD

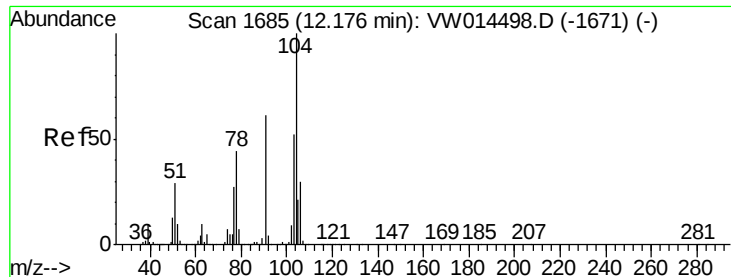
Tot Ion:106 Resp: 1632572
Ion Ratio Lower Upper
106 100
91 197.5 159.0 238.6



#69
o-Xylene
Concen: 63.140 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

Tgt Ion:106 Resp: 771279
Ion Ratio Lower Upper
106 100
91 209.7 105.2 315.6

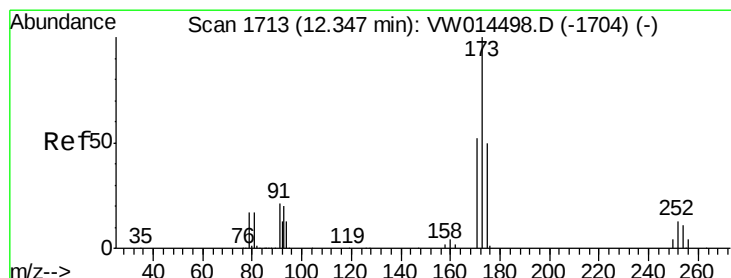
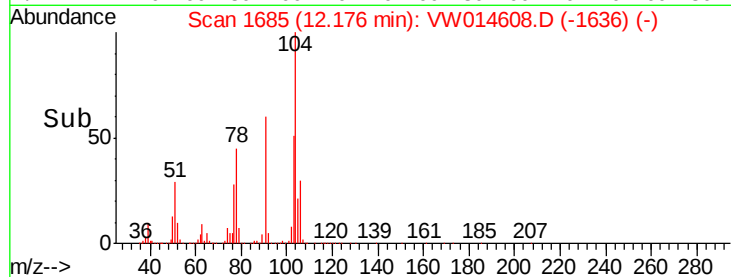
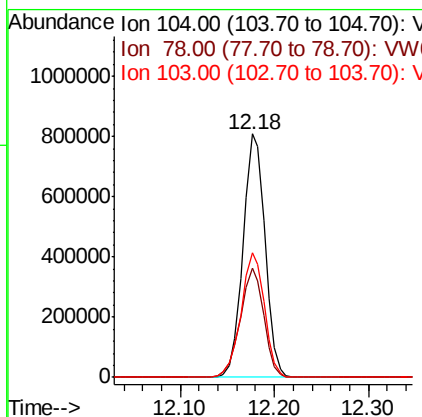
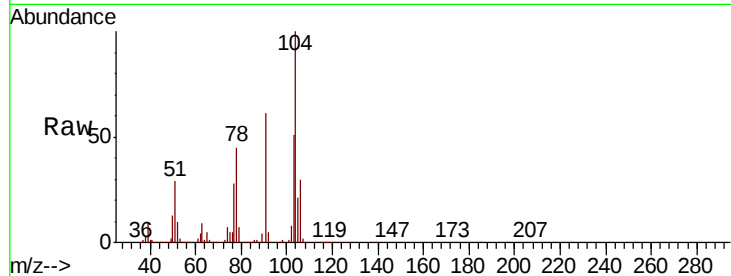




#70
Stvrene
Concen: 63.828 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

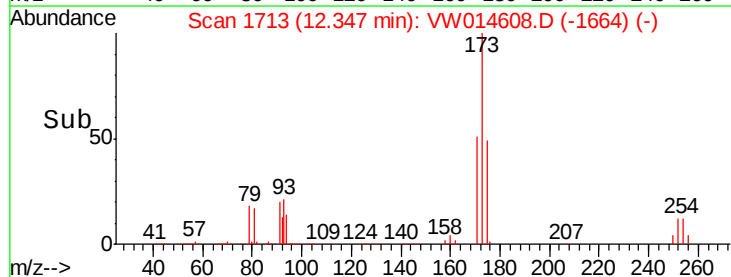
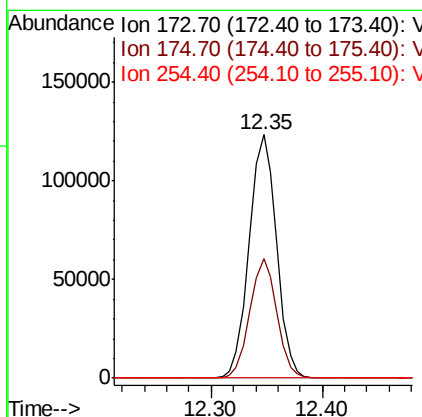
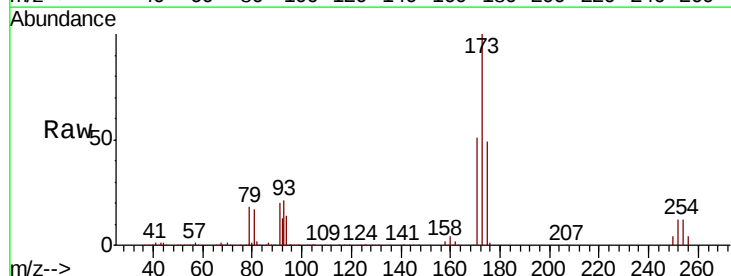
Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MSD

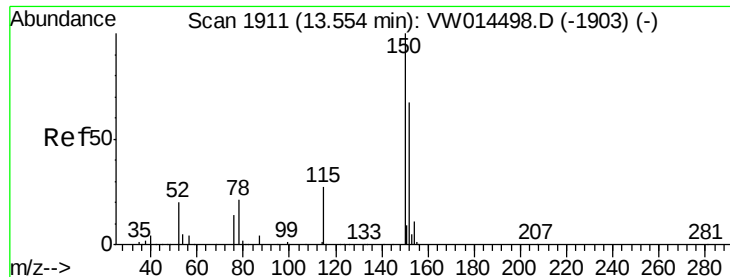
Tot Ion:104 Resp: 1318770
Ion Ratio Lower Upper
104 100
78 47.8 38.4 57.6
103 54.2 43.7 65.5



#71
Bromoform
Concen: 60.149 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

Tgt Ion:173 Resp: 211796
Ion Ratio Lower Upper
173 100
175 48.2 24.5 73.5
254 0.0 0.0 0.0#



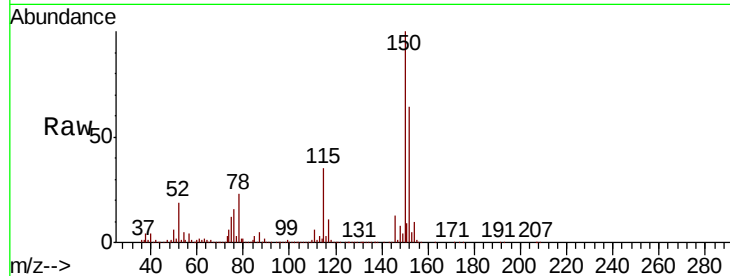


#72

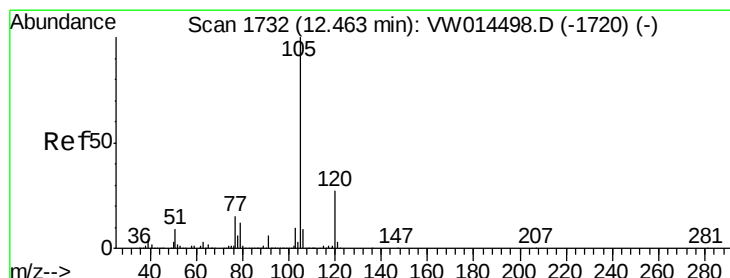
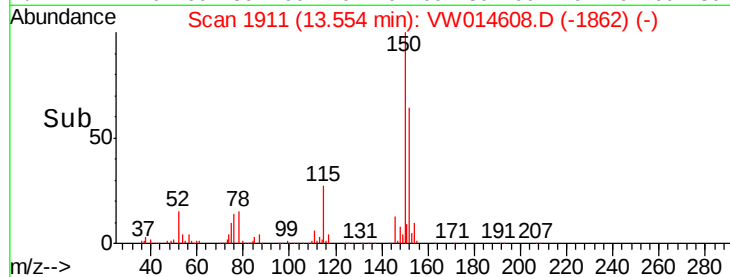
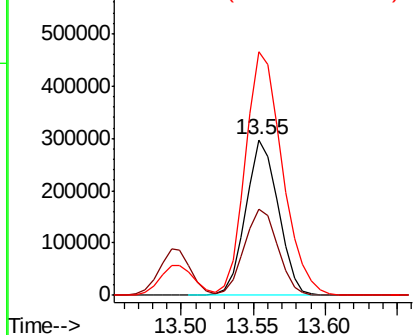
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MSD

Tot Ion:152 Resp: 461780
Ion Ratio Lower Upper
152 100
115 57.2 27.7 83.1
150 178.9 0.0 343.4



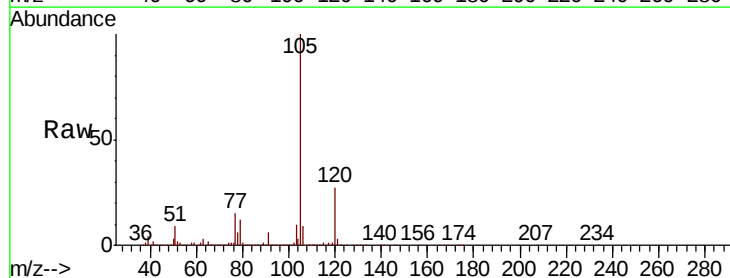
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



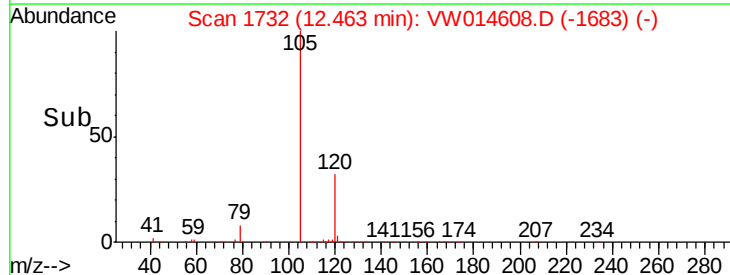
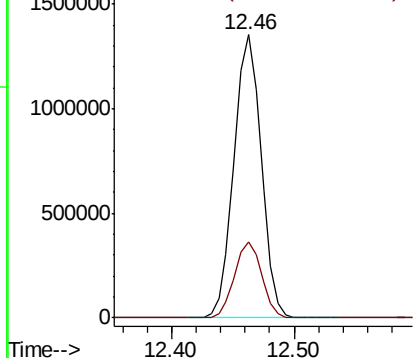
#73

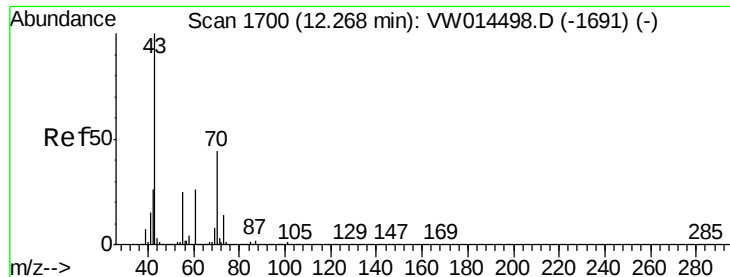
Isopropylbenzene
Concen: 61.656 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

Tgt Ion:105 Resp: 2089104
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.1



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





#74

N-amvl acetate

Concen: 1.963 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion: 43 Resp: 14910

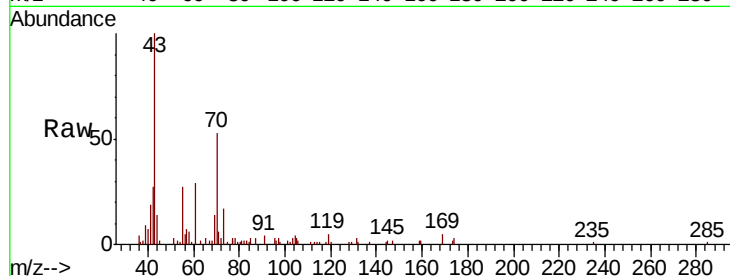
Ion Ratio Lower Upper

43 100

70 39.8 36.5 54.7

55 21.9 20.9 31.3

61 23.1 20.7 31.1

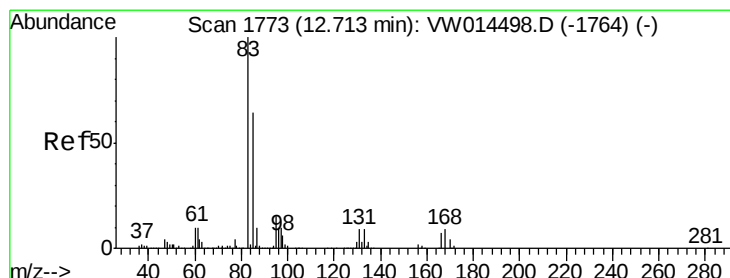
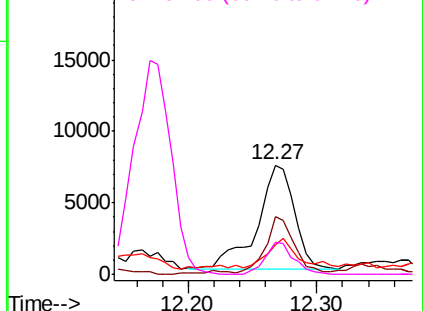
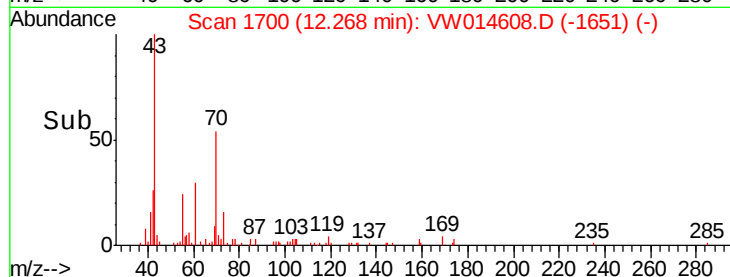


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.528 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.06 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

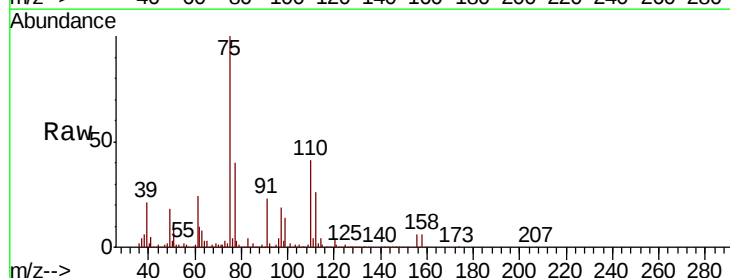
Tgt Ion: 83 Resp: 9343

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

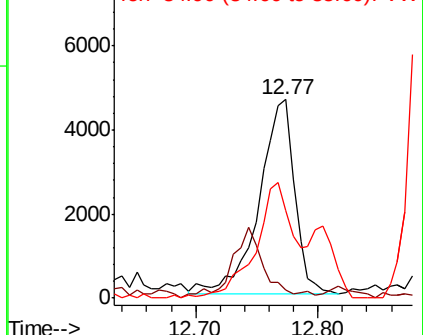
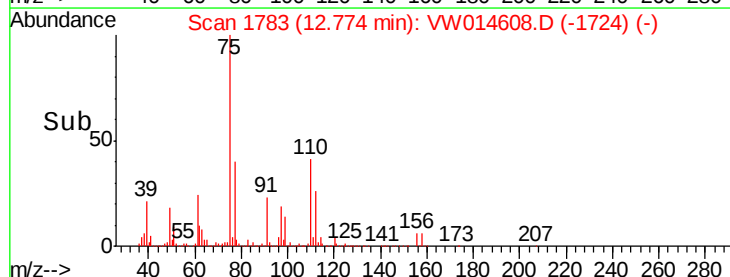
85 61.5 31.9 95.7

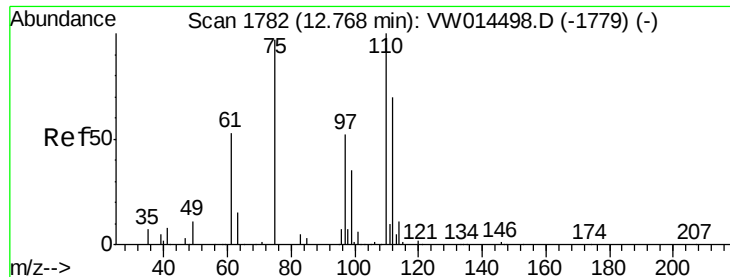


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 102.065 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

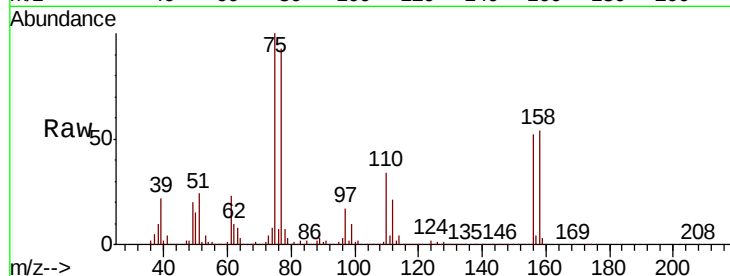
SB-3H-(8.5-10.5)MSD

Tot Ion: 75 Resp: 445621

Ion Ratio Lower Upper

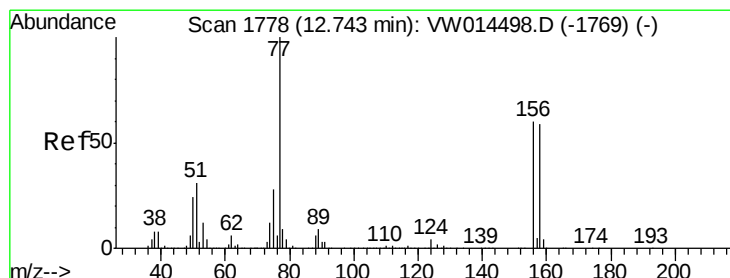
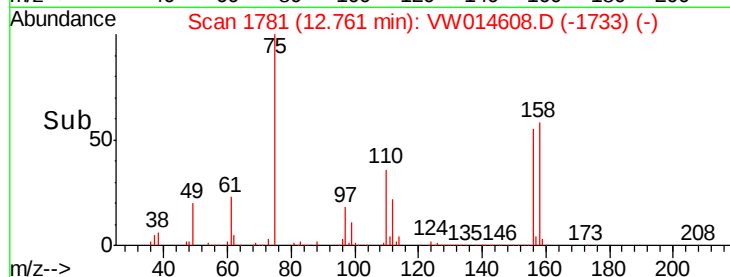
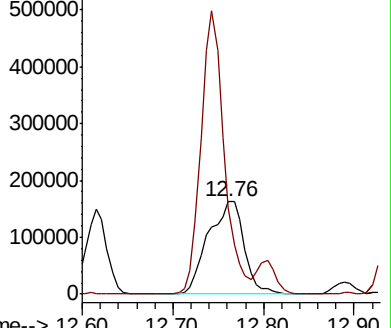
75 100

77 199.7 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: 62.773 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

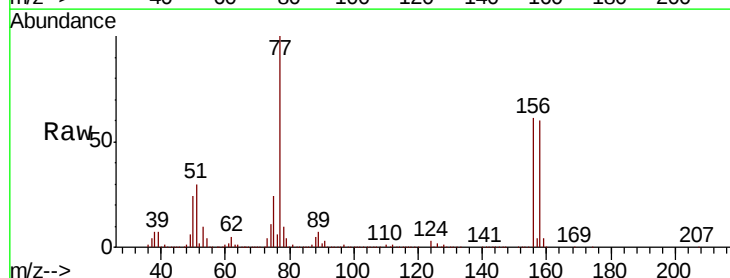
Tgt Ion: 156 Resp: 493999

Ion Ratio Lower Upper

156 100

77 180.1 92.3 277.1

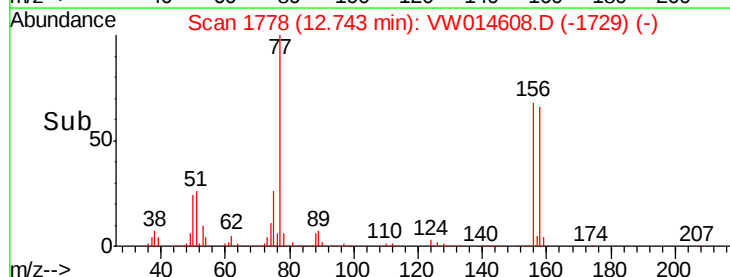
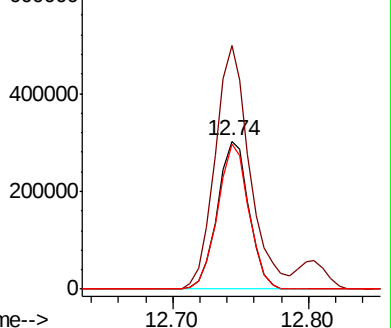
158 97.1 48.6 145.9

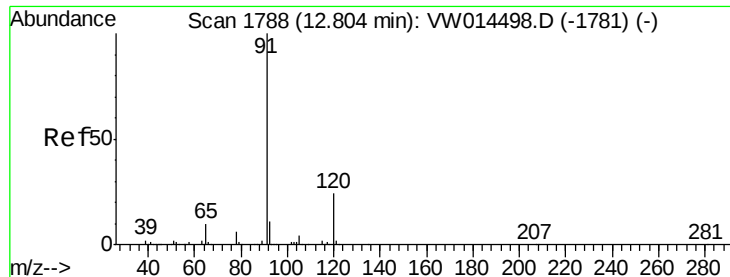


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 61.379 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

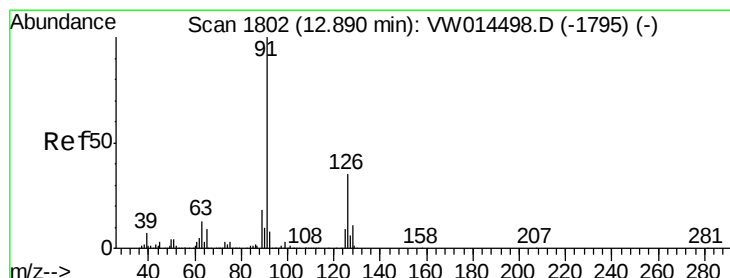
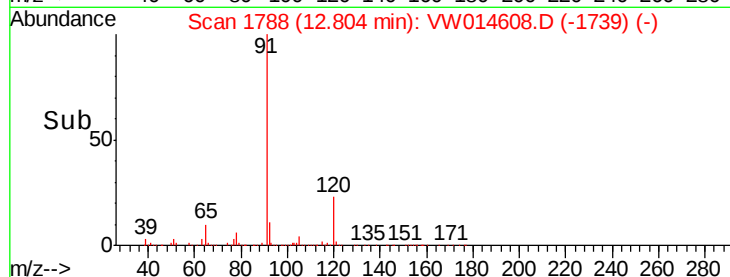
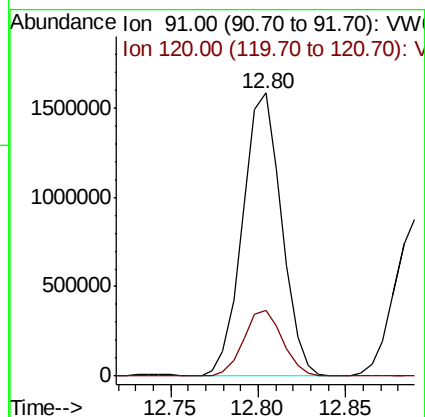
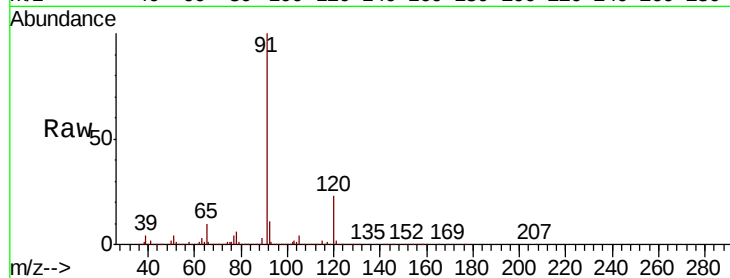
SB-3H-(8.5-10.5)MSD

Tot Ion: 91 Resp: 2445526

Ion Ratio Lower Upper

91 100

120 23.3 11.7 35.1



#79

2-Chlorotoluene

Concen: 61.769 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014608.D

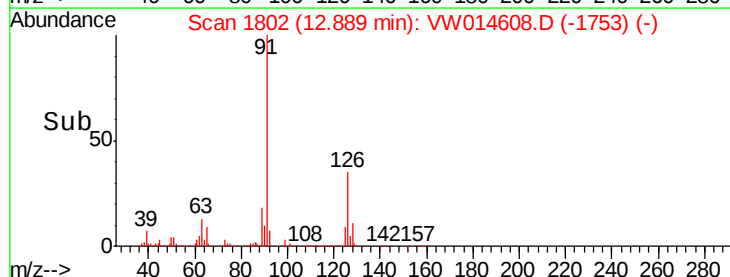
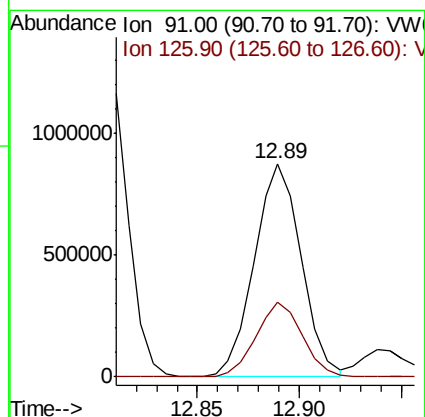
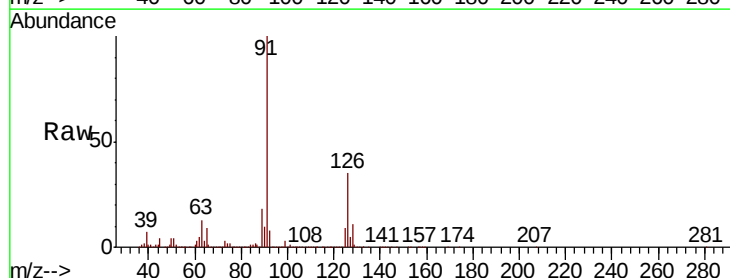
Acq: 10 Jan 2020 19:03

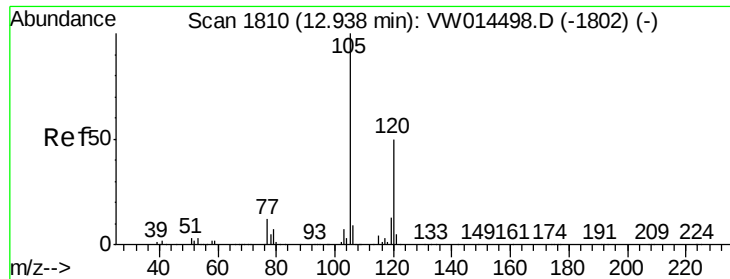
Tgt Ion: 91 Resp: 1400539

Ion Ratio Lower Upper

91 100

126 34.5 17.1 51.2





#80

1,3,5-Trimethylbenzene

Concen: 61.566 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

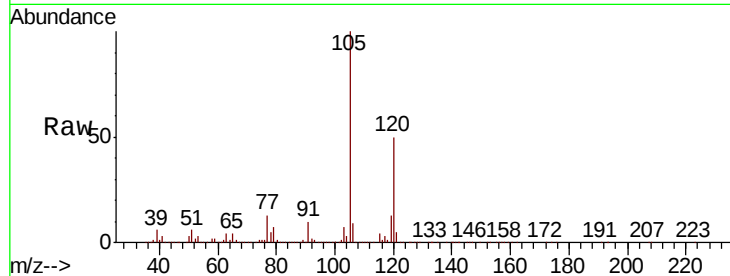
SB-3H-(8.5-10.5)MSD

Tot Ion:105 Resp: 1751511

Ion Ratio Lower Upper

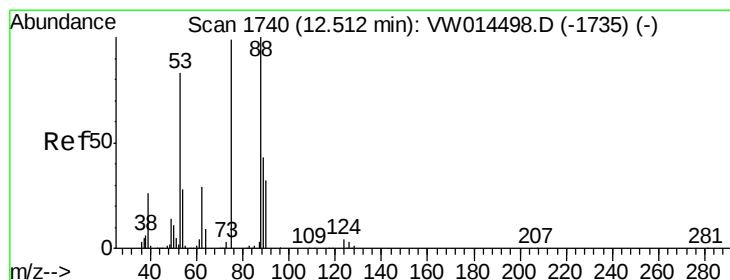
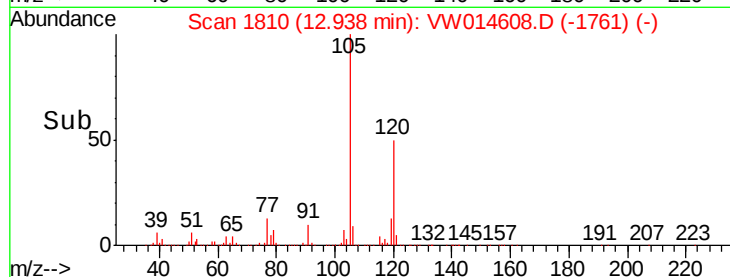
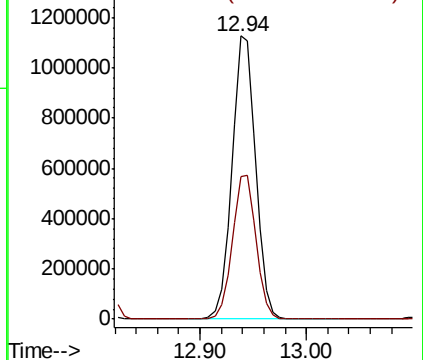
105 100

120 50.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 55.803 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

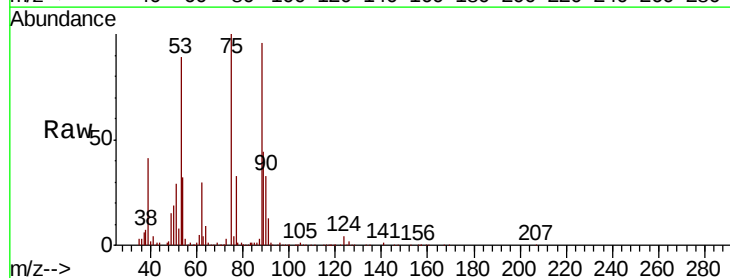
Tgt Ion: 75 Resp: 109352

Ion Ratio Lower Upper

75 100

53 91.9 70.9 106.3

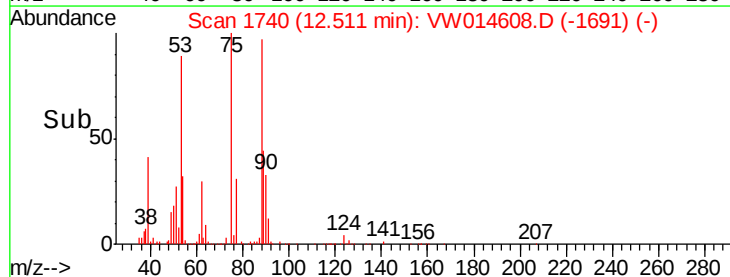
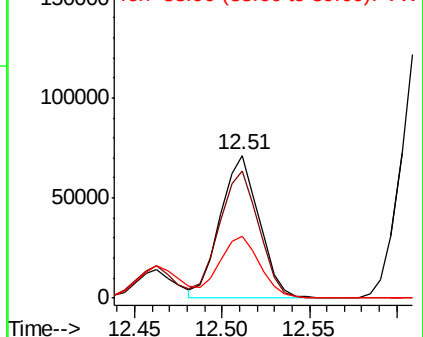
89 44.8 35.8 53.8

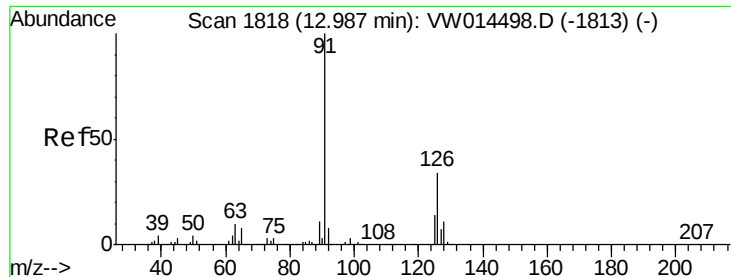


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

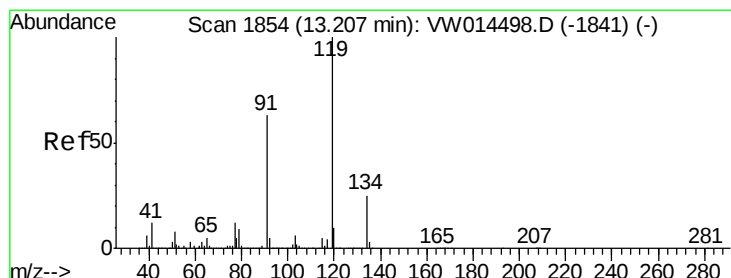
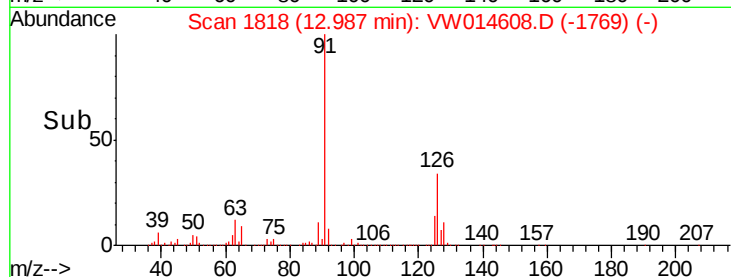
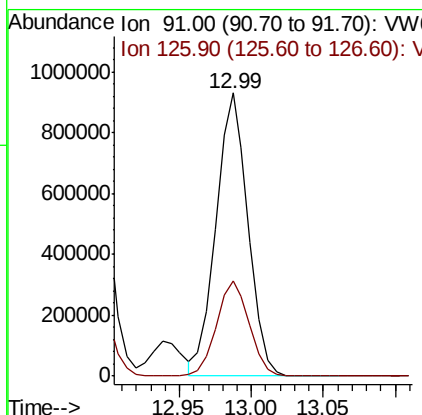
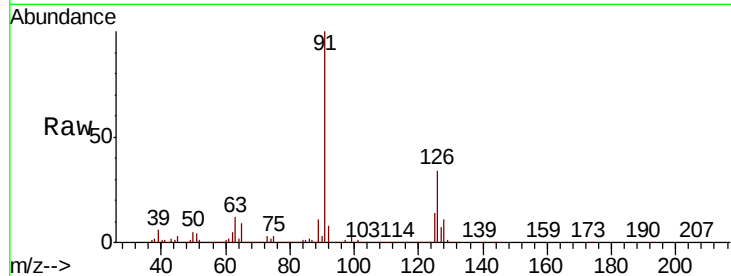




#82
4-Chlorotoluene
Concen: 61.164 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

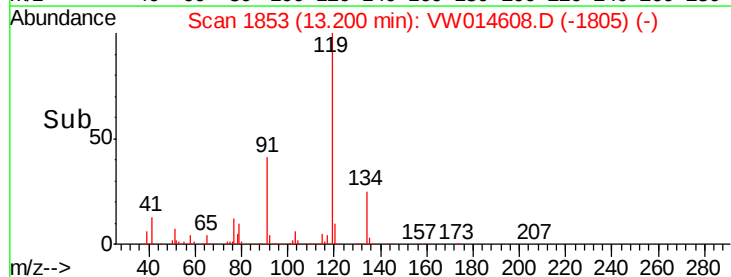
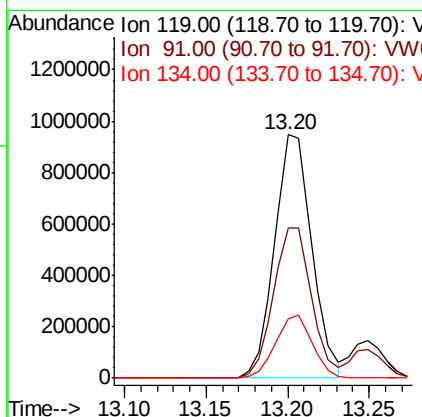
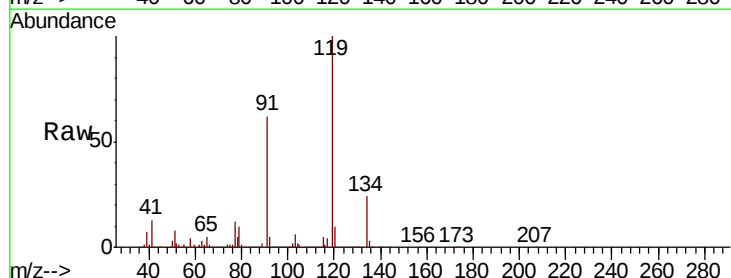
Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MSD

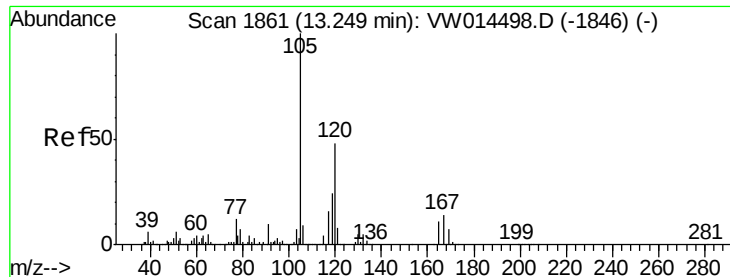
Tot Ion: 91 Resp: 1440812
Ion Ratio Lower Upper
91 100
126 34.4 17.1 51.2



#83
tert-Butylbenzene
Concen: 60.690 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW014608.D
Acq: 10 Jan 2020 19:03

Tgt Ion: 119 Resp: 1511685
Ion Ratio Lower Upper
119 100
91 63.3 31.1 93.3
134 25.4 13.5 40.5

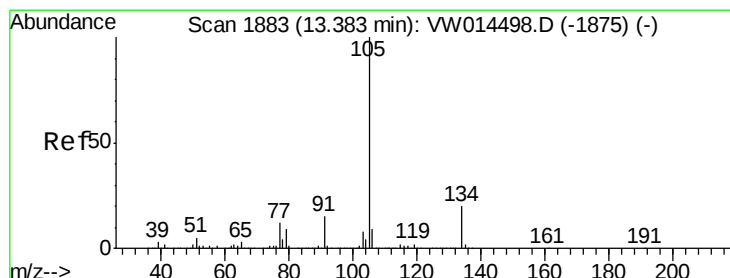
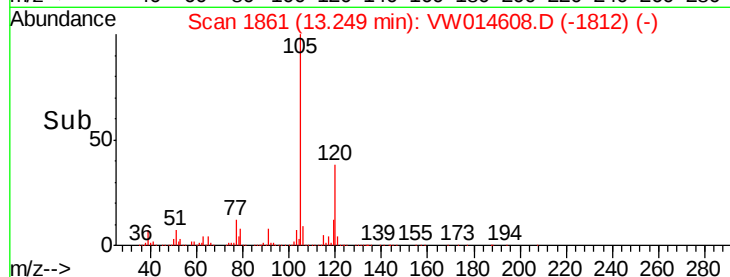
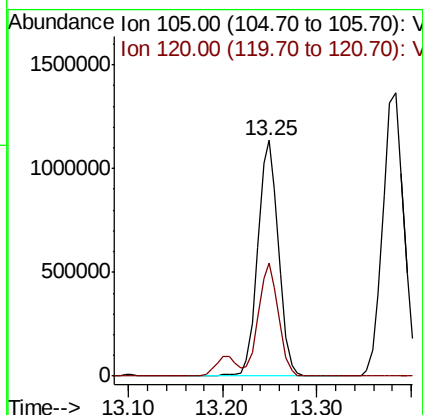
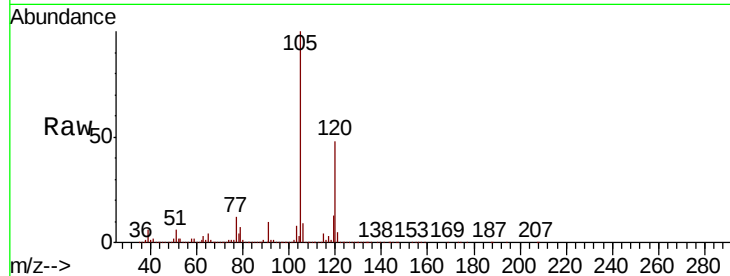




#84
 1,2,4-Trimethylbenzene
 Concen: 61.980 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

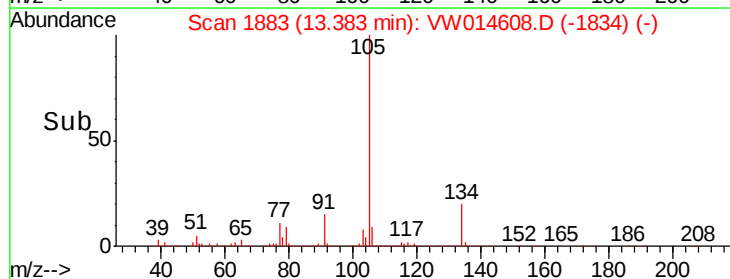
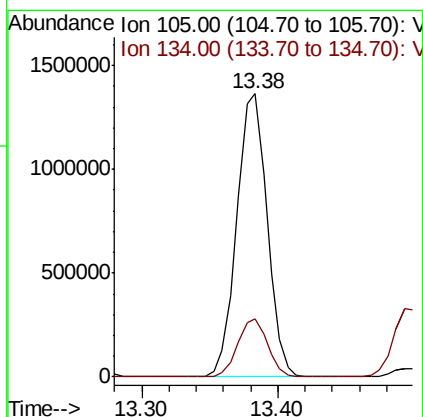
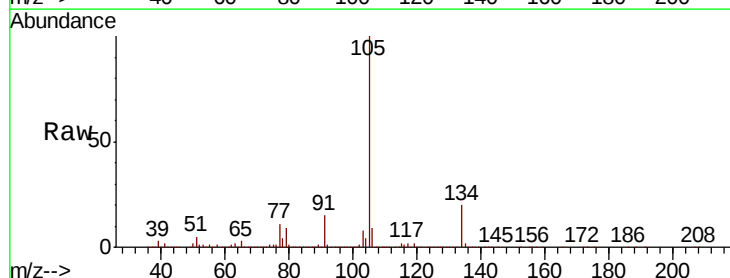
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

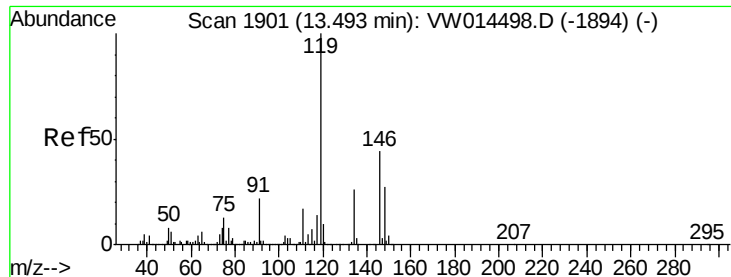
Tot Ion:105 Resp: 1754730
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.0



#85
 sec-Butylbenzene
 Concen: 61.593 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

Tgt Ion:105 Resp: 2123579
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.6

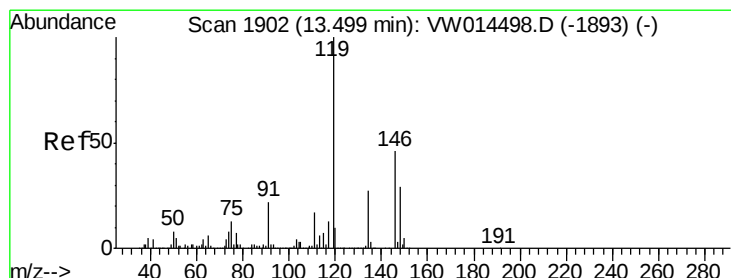
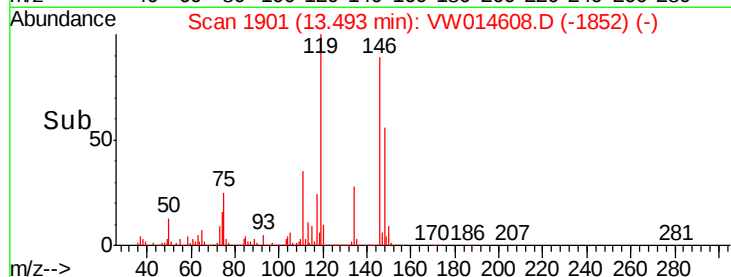
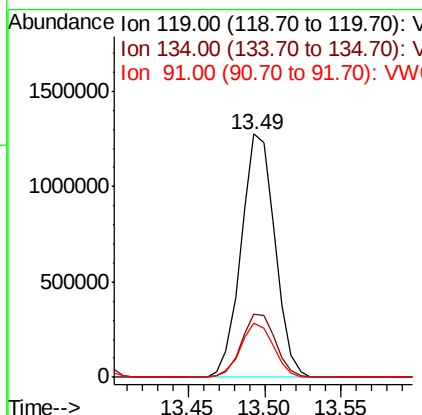
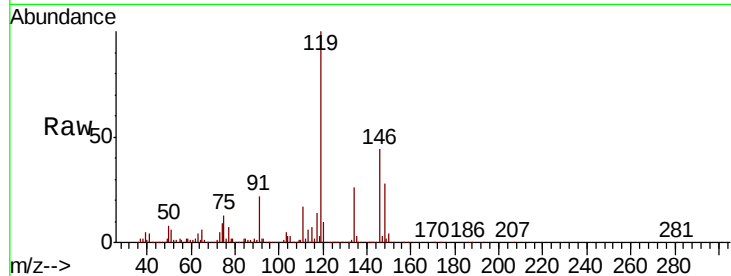




#86
 p-Isopropyltoluene
 Concen: 62.075 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

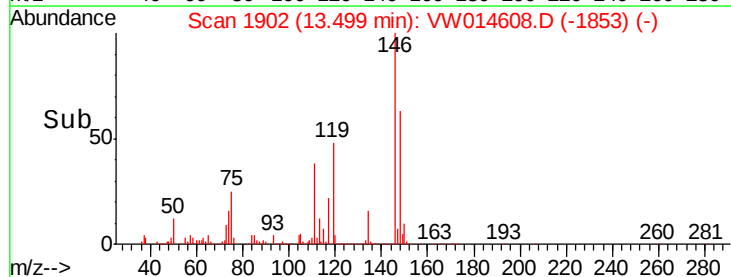
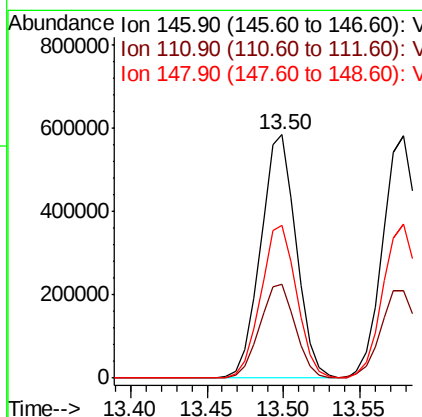
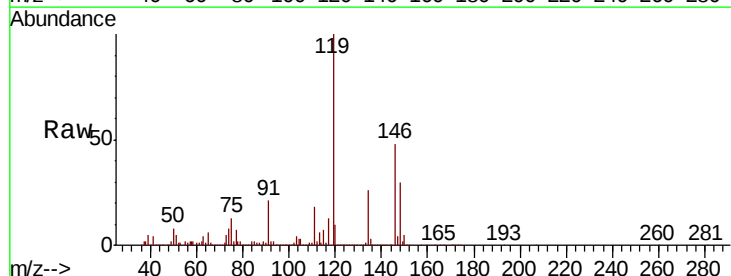
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

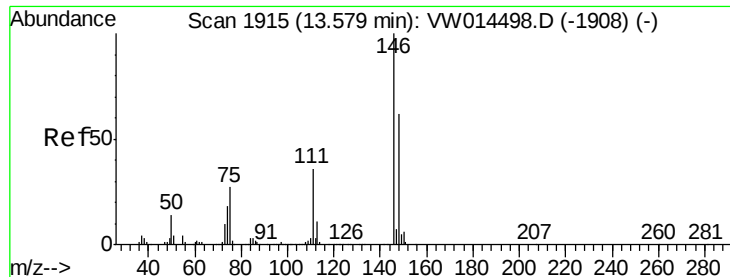
Tot Ion:119 Resp: 1950775
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.5
 91 21.8 11.1 33.3



#87
 1,3-Dichlorobenzene
 Concen: 61.836 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

Tgt Ion:146 Resp: 946279
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.3 57.9
 148 63.1 31.8 95.4





#88

1,4-Dichlorobenzene

Concen: 61.833 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MSD

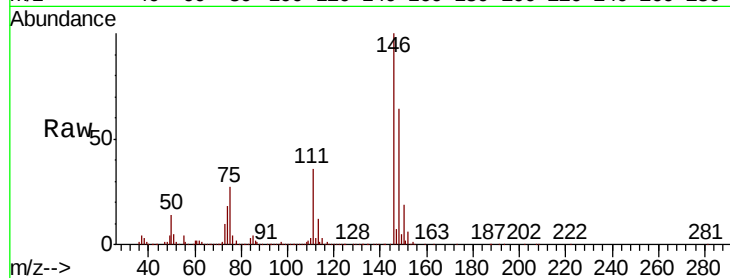
Tot Ion:146 Resp: 934160

Ion Ratio Lower Upper

146 100

111 37.4 18.7 56.1

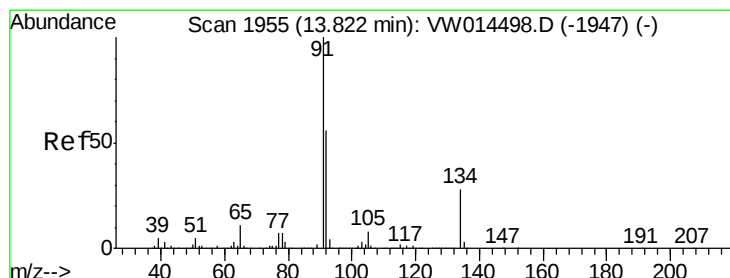
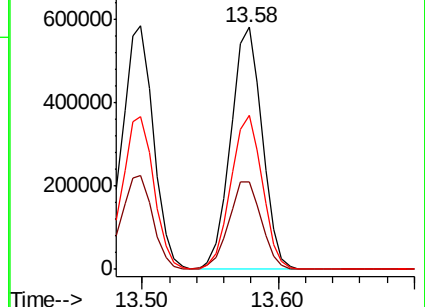
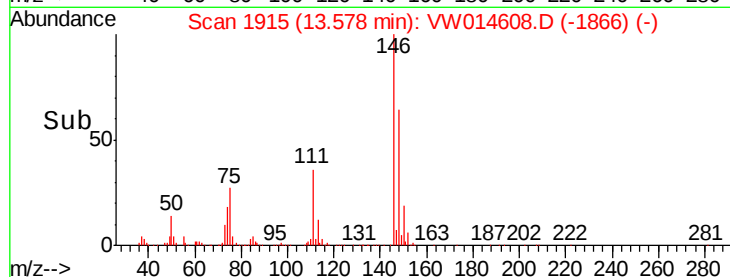
148 63.9 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 61.184 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

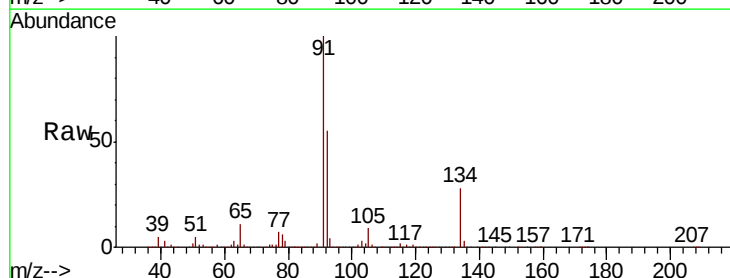
Tgt Ion: 91 Resp: 1785551

Ion Ratio Lower Upper

91 100

92 54.8 27.5 82.5

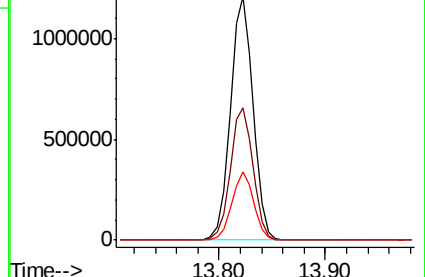
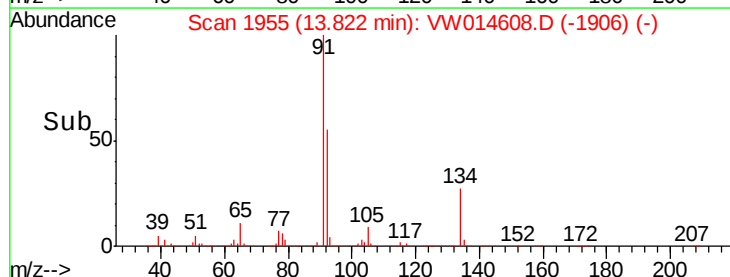
134 27.1 13.7 41.1

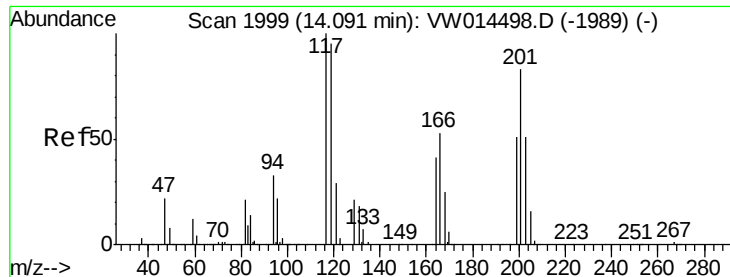


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 60.507 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

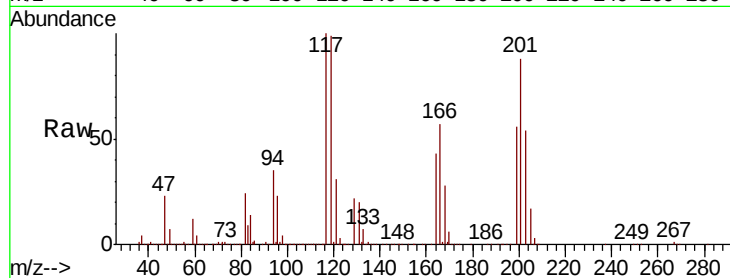
SB-3H-(8.5-10.5)MSD

Tot Ion:117 Resp: 332178

Ion Ratio Lower Upper

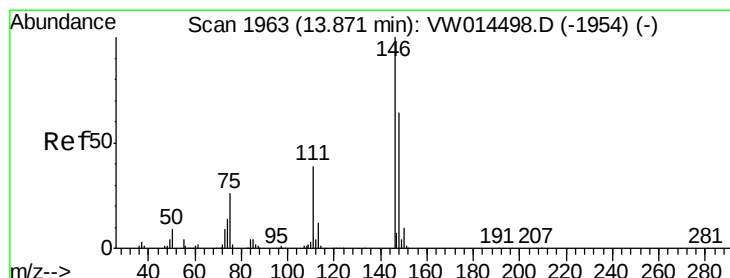
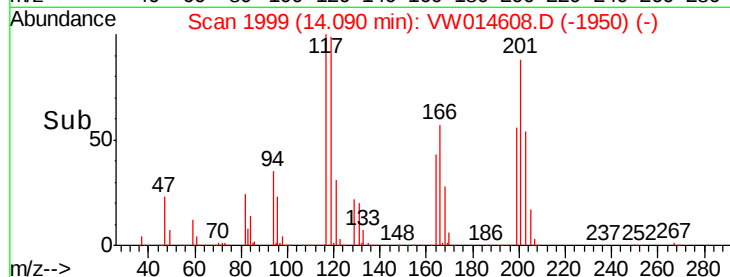
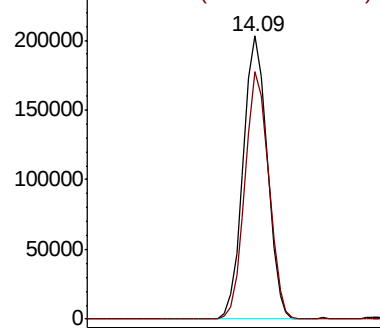
117 100

201 86.2 43.0 128.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 63.216 ug/l

RT: 13.86 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

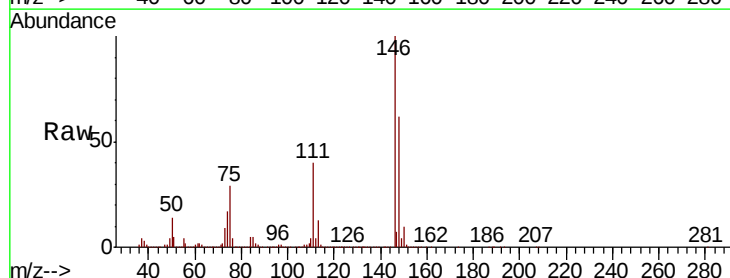
Tgt Ion:146 Resp: 850276

Ion Ratio Lower Upper

146 100

111 40.0 20.4 61.3

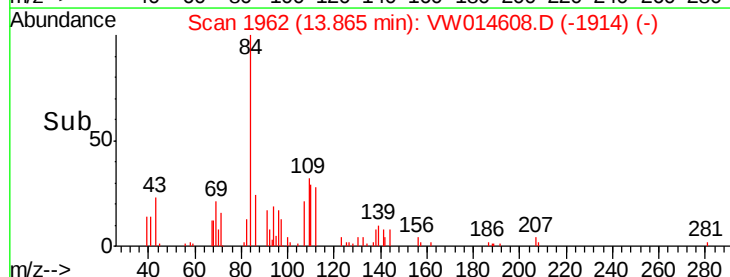
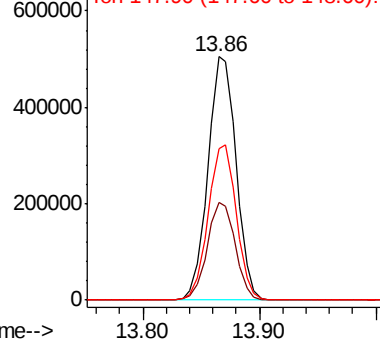
148 63.7 32.3 96.8

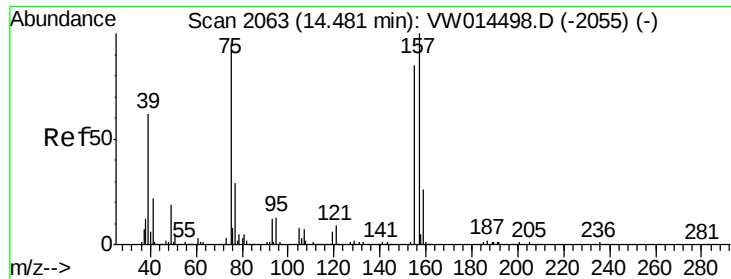


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 50.610 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

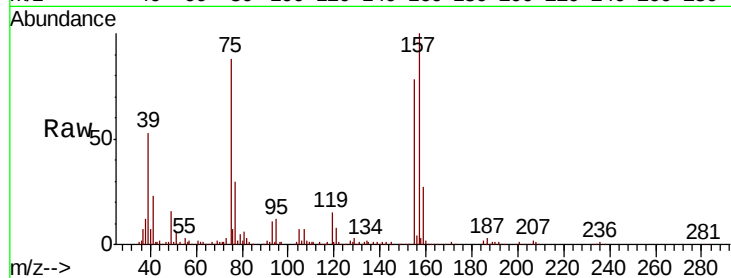
MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MSD

Tot Ion: 75 Resp: 49015

Ion	Ratio	Lower	Upper
75	100		
155	90.3	45.8	137.4
157	119.3	58.1	174.2

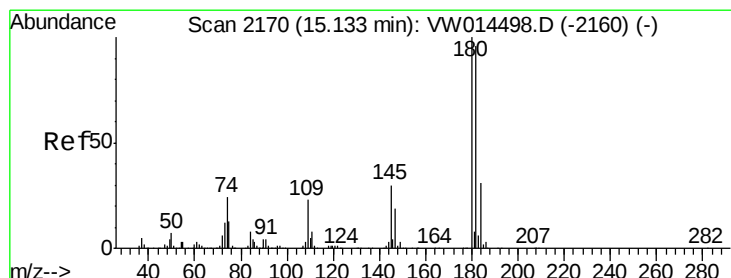
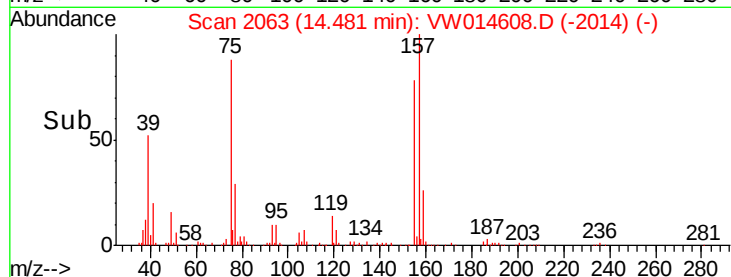
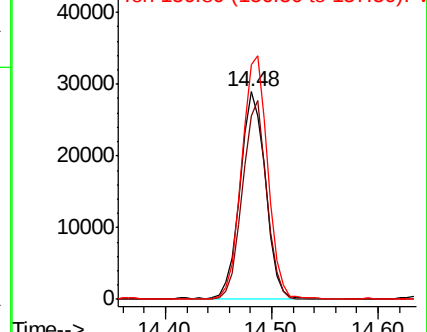


Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 66.203 ug/l

RT: 15.13 min Scan# 2170

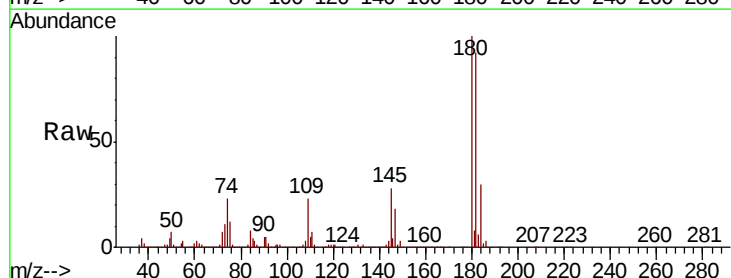
Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Tgt Ion: 180 Resp: 601318

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.8
145	28.9	14.7	44.1

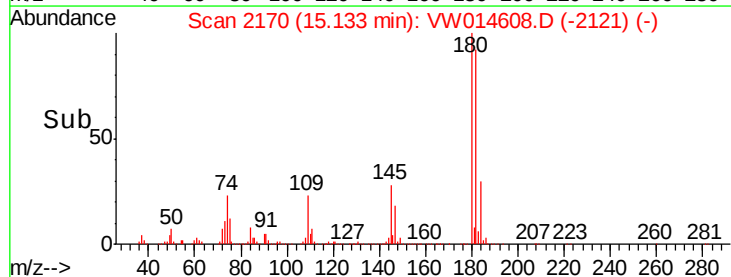
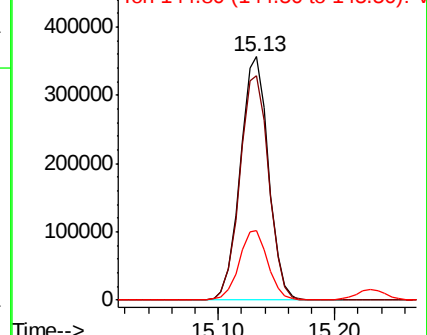


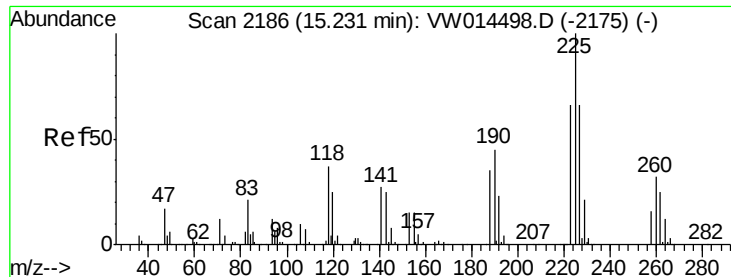
Abundance

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: 55.459 ug/l

RT: 15.23 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MSD

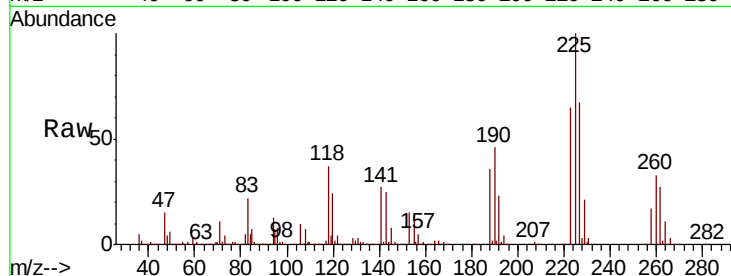
Tot Ion:225 Resp: 337570

Ion Ratio Lower Upper

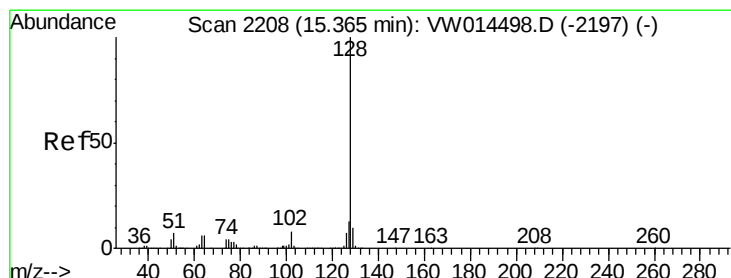
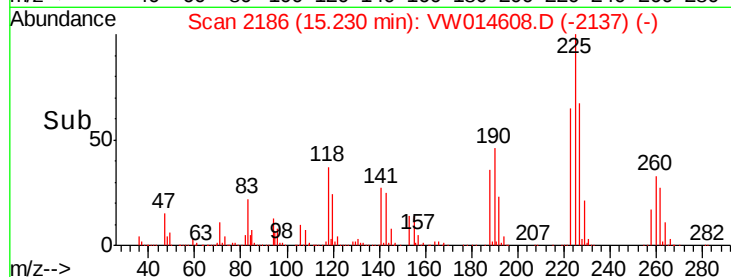
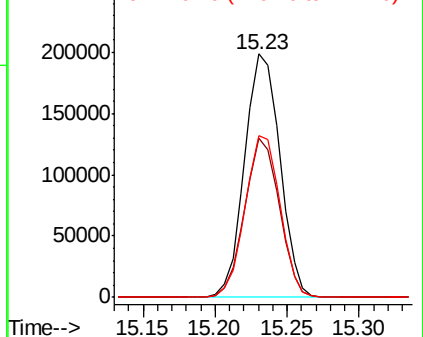
225 100

223 64.0 32.4 97.2

227 65.7 32.6 97.8



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



#95

Naphthalene

Concen: 69.452 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014608.D

Acq: 10 Jan 2020 19:03

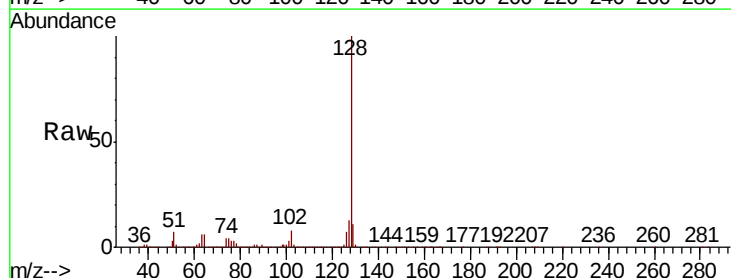
Tgt Ion:128 Resp: 1075840

Ion Ratio Lower Upper

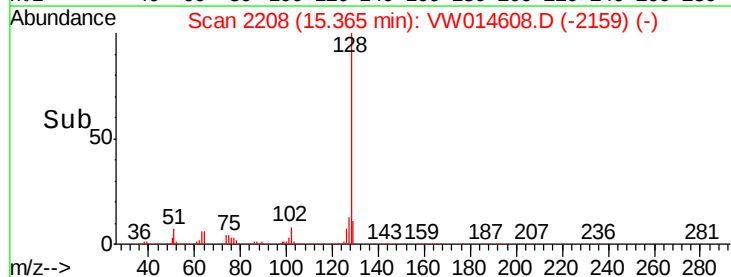
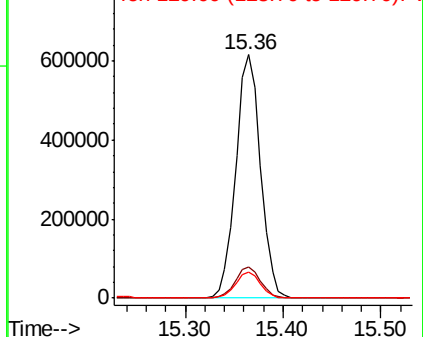
128 100

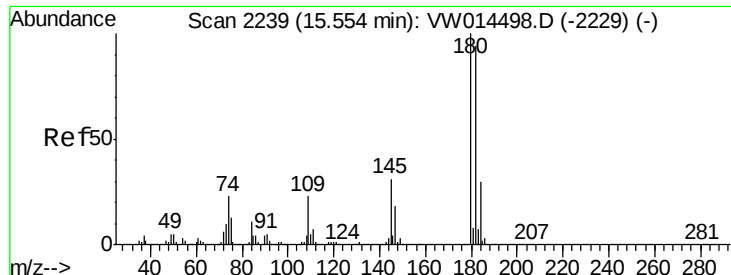
127 13.0 10.6 15.8

129 10.9 8.7 13.1



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

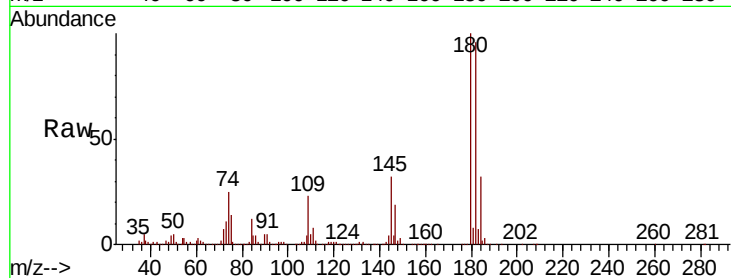




#96
 1,2,3-Trichlorobenzene
 Concen: 65.769 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW014608.D
 Acq: 10 Jan 2020 19:03

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.2
145	31.0	15.5	46.5



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

