

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
 Data File : VW019885.D
 Acq On : 24 Aug 2021 19:17
 Operator : SY/VA
 Sample : M3526-04
 Misc : 5.23g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW7B6

Quant Time: Aug 25 01:03:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Aug 25 00:57:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	518479	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	453090	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	669888	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	150262	18.705	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.840%
7) Chloroethane-d5	2.898	69	131653	18.671	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.680%
11) 1,1-Dichloroethene-d2	4.032	63	203027	14.565	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.240%
21) 2-Butanone-d5	7.080	46	84005	51.482	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.960%
24) Chloroform-d	7.653	84	299118	20.978	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.920%
26) 1,2-Dichloroethane-d4	8.311	65	162347	21.128	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.520%
32) Benzene-d6	8.281	84	583516	22.587	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.360%
36) 1,2-Dichloropropane-d6	9.311	67	1183555	151.286	ug/L	0.04
Spiked Amount	25.000	Range	70 - 120	Recovery	=	605.160%#
41) Toluene-d8	10.329	98	2128372	89.902	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	359.600%#
43) trans-1,3-Dichloroprop...	10.585	79	63903	19.772	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.080%
47) 2-Hexanone-d5	10.921	63	74129	68.017	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	136.040%#
56) 1,1,2,2-Tetrachloroeth...	12.707	84	921268	144.686	ug/L	0.01
Spiked Amount	25.000	Range	45 - 120	Recovery	=	578.760%#
66) 1,2-Dichlorobenzene-d4	13.871	152	603330	26.256	ug/L	0.02
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.040%
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	98473	70.693	ug/L	79
16) Methylene chloride	4.922	84	41215	4.632	ug/L	# 68
22) 2-Butanone	7.177	43	106690	59.106	ug/L	# 54
25) Chloroform	7.641	83	23348	1.726	ug/L	# 43
27) 1,2-Dichloroethane	8.439	62	23674	2.683	ug/L	# 1
29) Cyclohexane	7.964	56	90572	8.512	ug/L	# 83
35) Methylcyclohexane	9.311	83	10273374	828.515	ug/L	# 56
37) 1,2-Dichloropropane	9.390	63	16675	2.421	ug/L	# 85
38) Bromodichloromethane	9.622	83	1336680	149.819	ug/L	# 50
40) 4-Methyl-2-pentanone	10.226	43	384462	104.982	ug/L	# 65
42) Toluene	10.329	91	144233	4.896	ug/L	# 39
45) 1,1,2-Trichloroethane	10.768	97	8336488	1671.977	ug/L	# 23
48) 2-Hexanone	10.951	43	2162551	848.293	ug/L	# 1
50) 1,2-Dibromoethane	11.238	107	9747	2.081	ug/L	# 1
51) Chlorobenzene	11.677	112	89914	4.806	ug/L	# 1
52) Ethylbenzene	11.731	91	18769	0.592	ug/L	# 52
53) m,p-Xylene	11.847	106	20289	1.666	ug/L	# 1
54) o-Xylene	12.170	106	10430	0.905	ug/L	# 1
57) 1,1,2,2-Tetrachloroethane	12.707	83	3291427	538.304	ug/L	# 62

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Quant Title : SFAM01.0
QLast Update : Wed Aug 25 00:57:31 2021
Response via : Initial Calibration

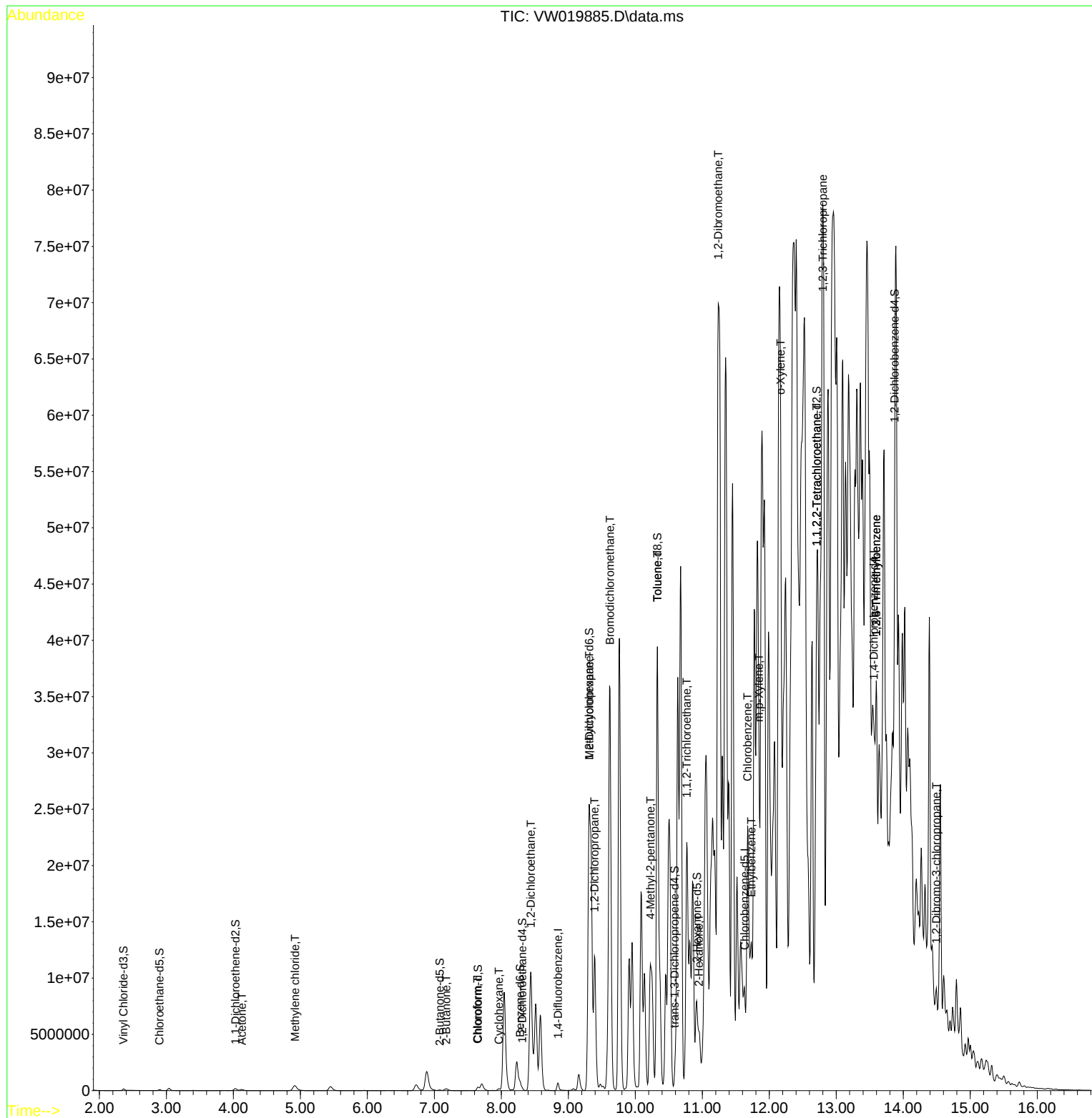
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	12.798	75	21183	1.613	ug/L #	1
62) 1,3,5-Trimethylbenzene	13.597	105	31684	0.437	ug/L	97
63) 1,2,4-Trimethylbenzene	13.597	105	31684	0.431	ug/L	90
68) 1,2-Dibromo-3-chloropr...	14.493	75	4048	1.414	ug/L #	36

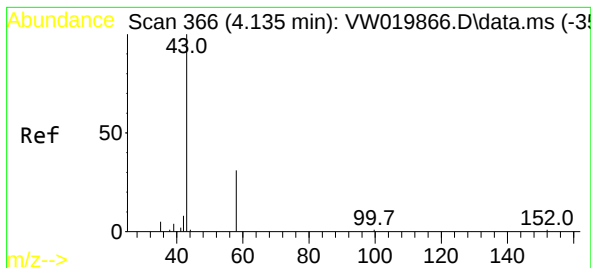
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 70.693 ug/L

RT: 4.129 min Scan# 365

Delta R.T. -0.006 min

Lab File: VW019885.D

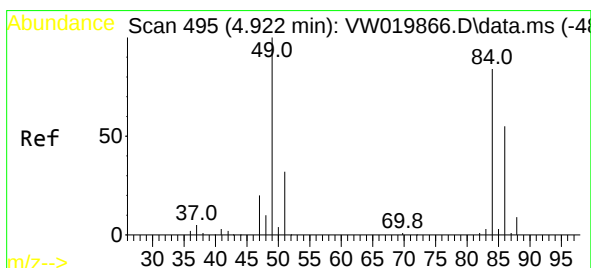
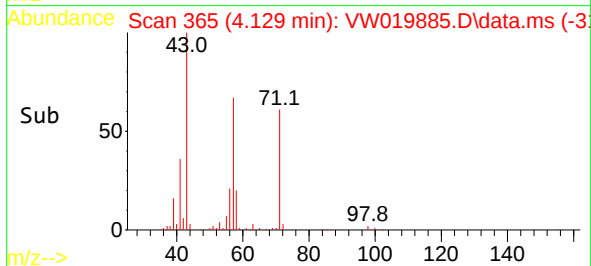
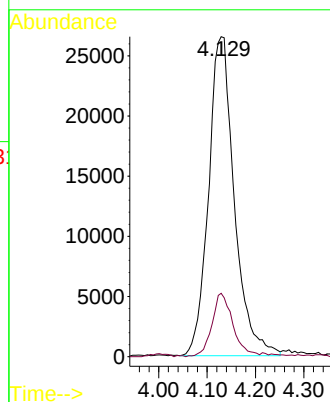
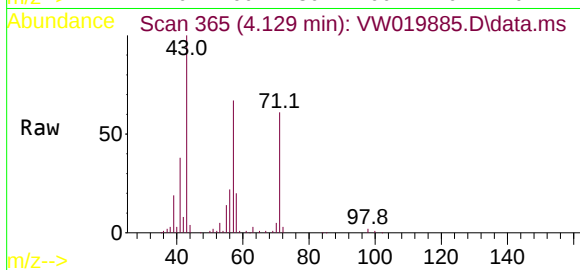
Acq: 24 Aug 2021 19:17

Tgt Ion: 43 Resp: 98473

Ion Ratio Lower Upper

43 100

58 16.2 0.0 53.8



#16

Methylene chloride

Concen: 4.632 ug/L

RT: 4.922 min Scan# 495

Delta R.T. 0.000 min

Lab File: VW019885.D

Acq: 24 Aug 2021 19:17

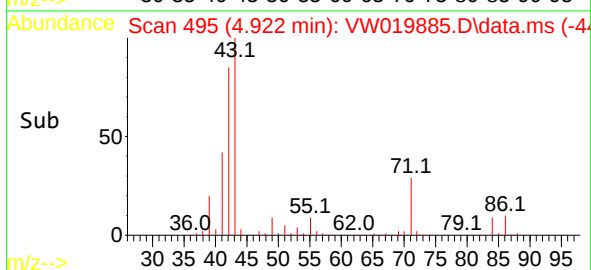
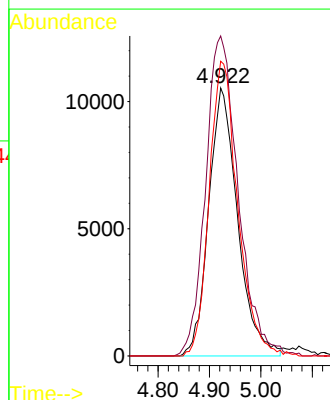
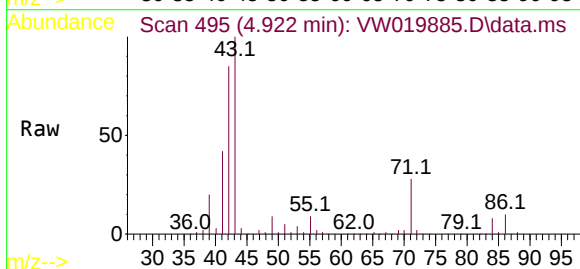
Tgt Ion: 84 Resp: 41215

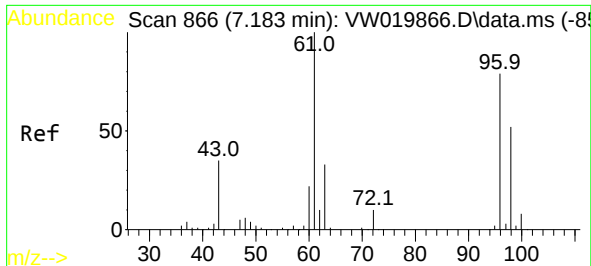
Ion Ratio Lower Upper

84 100

86 119.4 45.3 84.1#

49 110.0 86.6 160.8

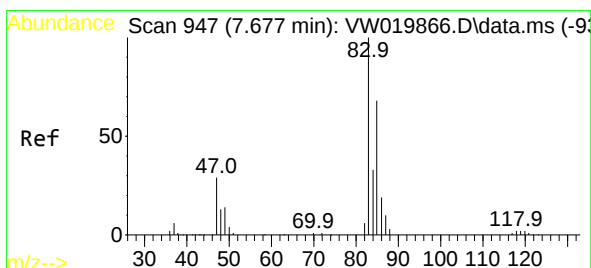
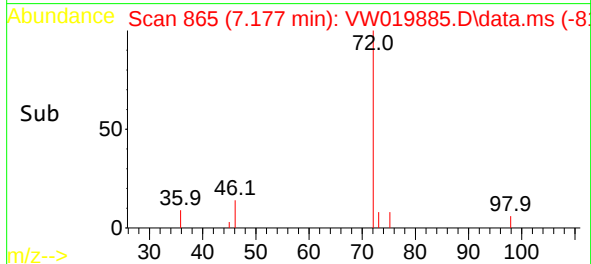
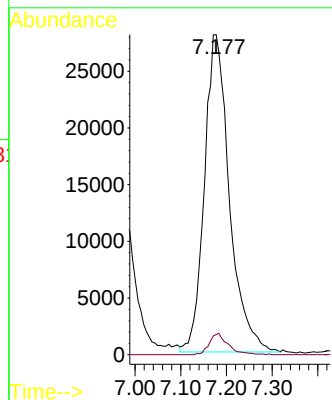
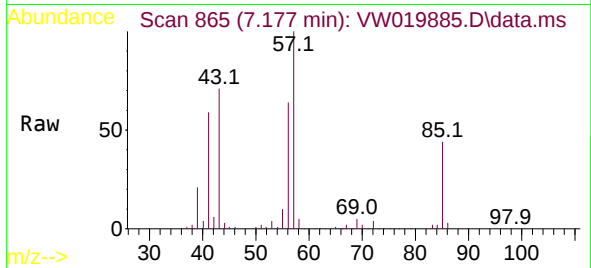




#22
2-Butanone
Concen: 59.106 ug/L
RT: 7.177 min Scan# 865
Delta R.T. -0.006 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

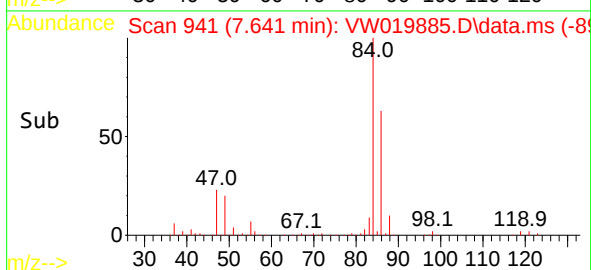
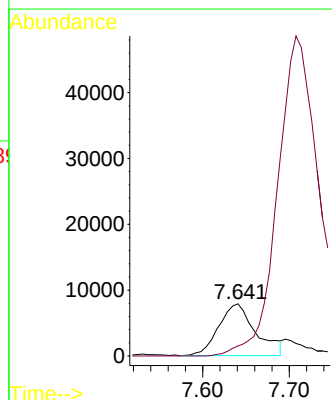
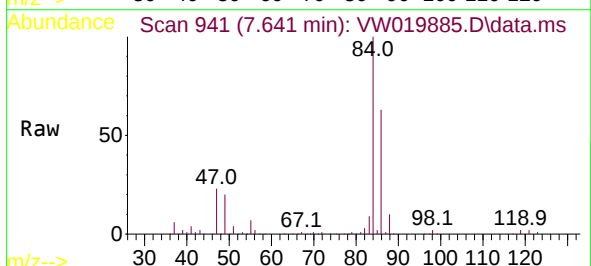
Instrument :
MSVOA_W
ClientSampled :
EW7B6

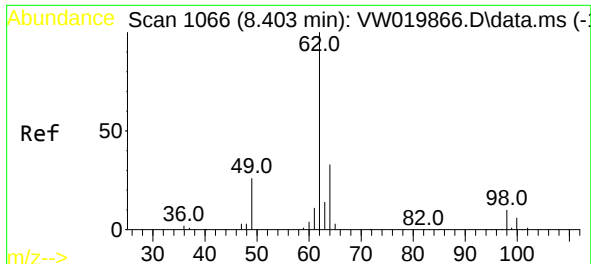
Tgt Ion: 43 Resp: 106690
Ion Ratio Lower Upper
43 100
72 5.0 14.9 44.7#



#25
Chloroform
Concen: 1.726 ug/L
RT: 7.641 min Scan# 941
Delta R.T. -0.037 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

Tgt Ion: 83 Resp: 23348
Ion Ratio Lower Upper
83 100
85 19.0 44.6 82.8#

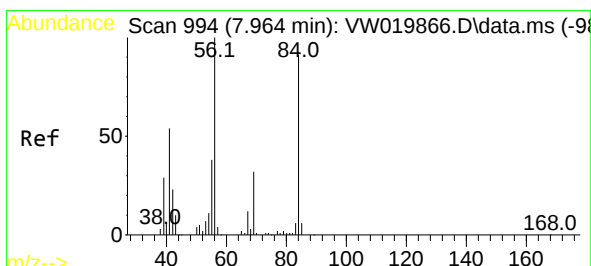
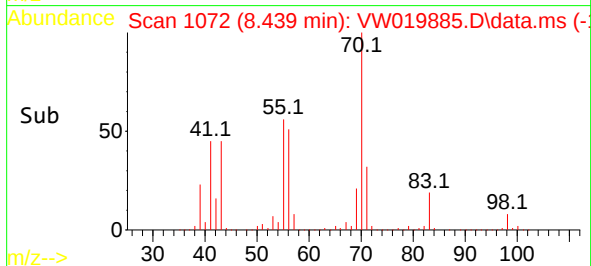
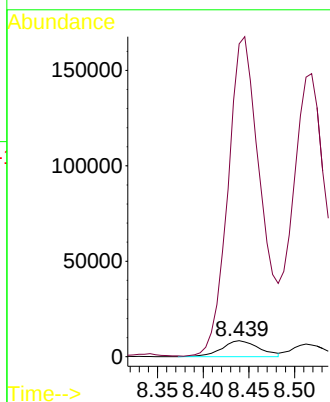
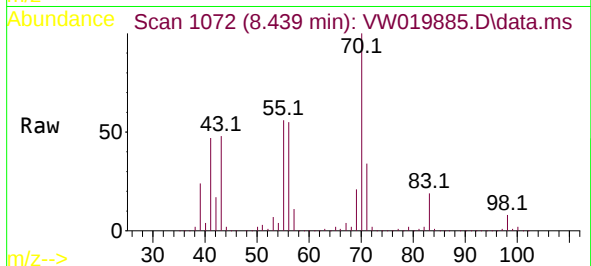




#27
1,2-Dichloroethane
Concen: 2.683 ug/L
RT: 8.439 min Scan# 1072
Delta R.T. 0.037 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

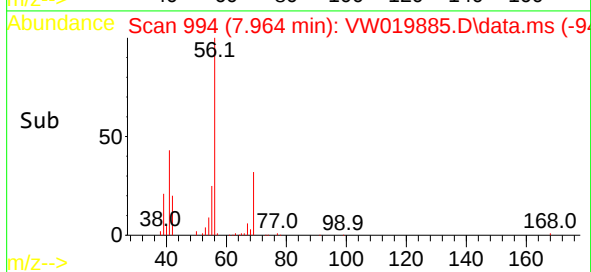
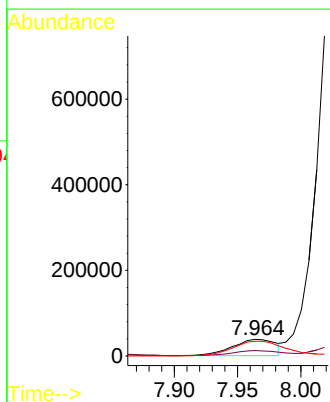
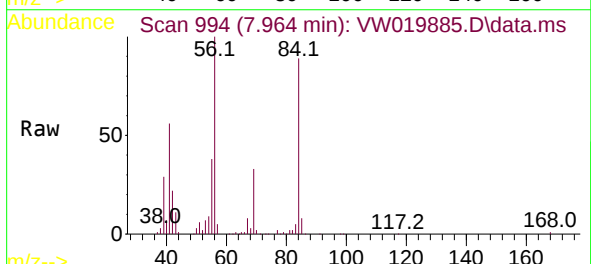
Instrument :
MSVOA_W
ClientSampled :
EW7B6

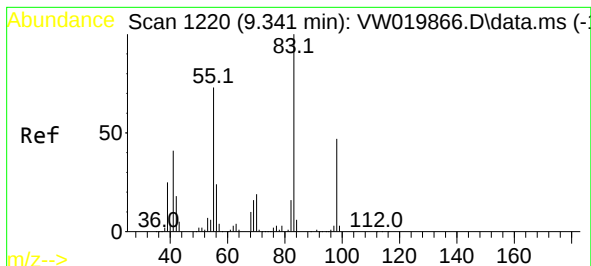
Tgt Ion: 62 Resp: 23674
Ion Ratio Lower Upper
62 100
98 1952.2 6.9 10.3#



#29
Cyclohexane
Concen: 8.512 ug/L
RT: 7.964 min Scan# 994
Delta R.T. 0.000 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

Tgt Ion: 56 Resp: 90572
Ion Ratio Lower Upper
56 100
69 33.9 24.5 36.7
84 114.0 75.0 112.4#

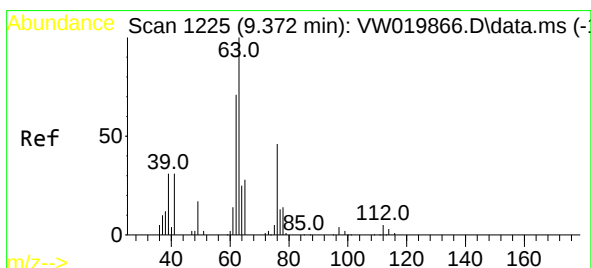
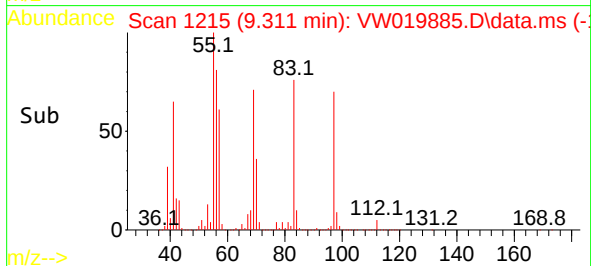
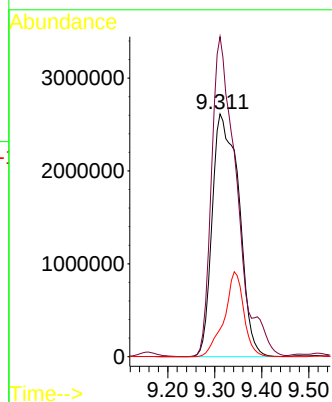
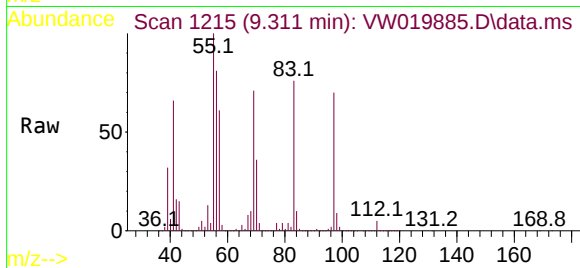




#35
Methylcyclohexane
Concen: 828.515 ug/L
RT: 9.311 min Scan# 1215
Delta R.T. -0.030 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

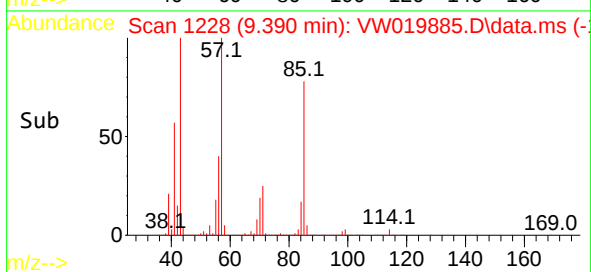
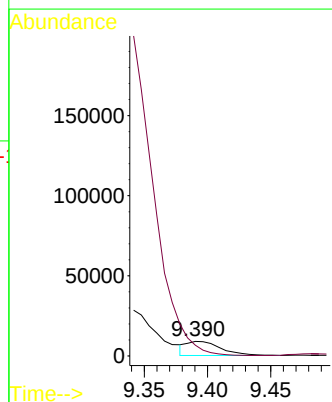
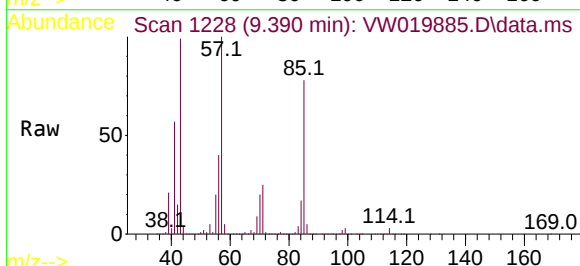
Instrument :
MSVOA_W
ClientSampleId :
EW7B6

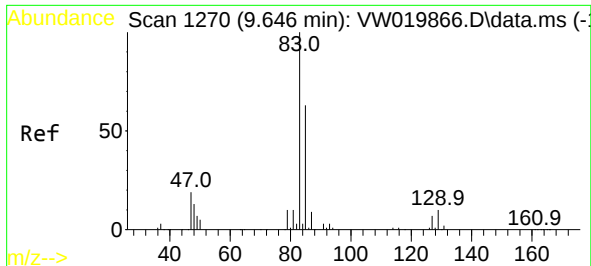
Tgt Ion: 83 Resp:10273374
Ion Ratio Lower Upper
83 100
55 116.4 58.9 88.3#
98 25.8 40.1 60.1#



#37
1,2-Dichloropropane
Concen: 2.421 ug/L
RT: 9.390 min Scan# 1228
Delta R.T. 0.018 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

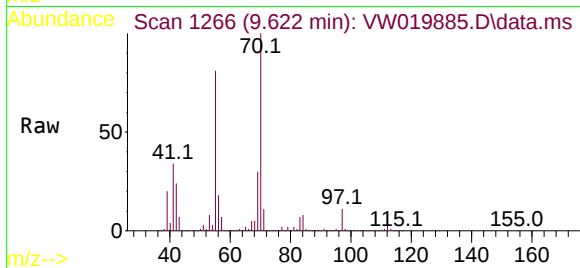
Tgt Ion: 63 Resp: 16675
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#



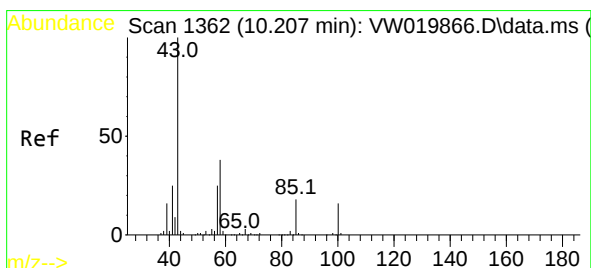
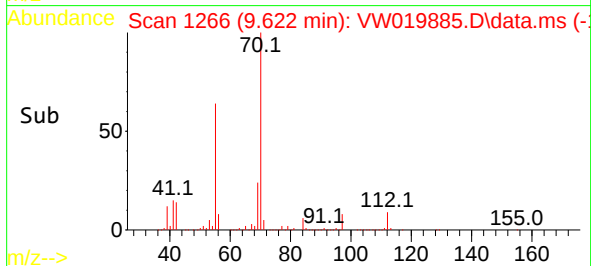
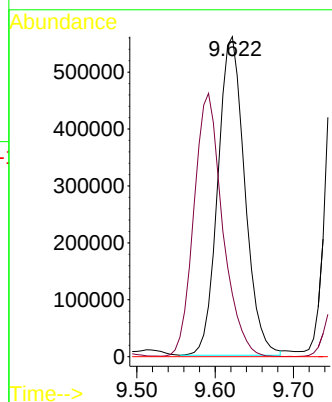


#38
Bromodichloromethane
Concen: 149.819 ug/L
RT: 9.622 min Scan# 1266
Delta R.T. -0.024 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

Instrument :
MSVOA_W
ClientSampled :
EW7B6

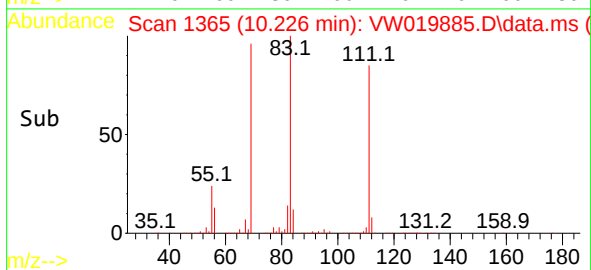
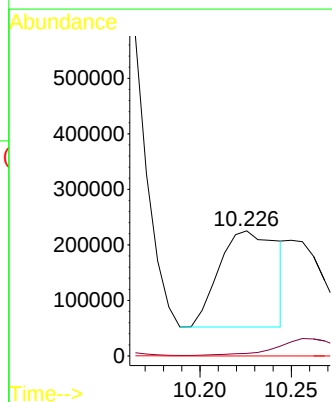
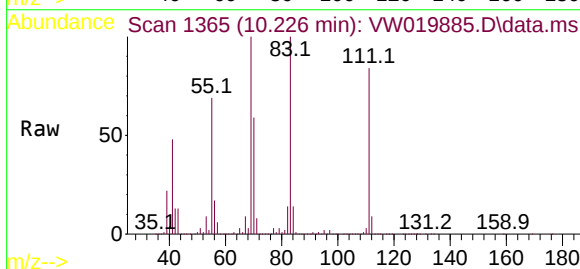


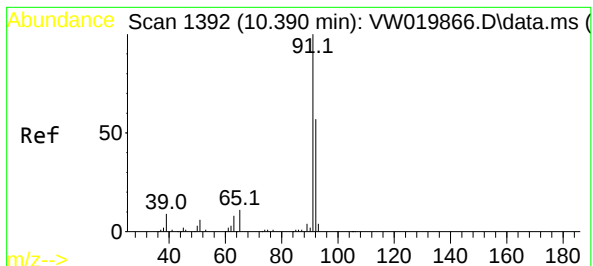
Tgt Ion: 83 Resp: 1336680
Ion Ratio Lower Upper
83 100
85 19.6 42.3 78.5#
127 0.0 6.6 9.8#



#40
4-Methyl-2-pentanone
Concen: 104.982 ug/L
RT: 10.226 min Scan# 1365
Delta R.T. 0.018 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

Tgt Ion: 43 Resp: 384462
Ion Ratio Lower Upper
43 100
58 18.6 31.0 46.4#
100 0.0 13.0 19.6#





#42

Toluene

Concen: 4.896 ug/L

RT: 10.329 min Scan# 1382

Delta R.T. -0.061 min

Lab File: VW019885.D

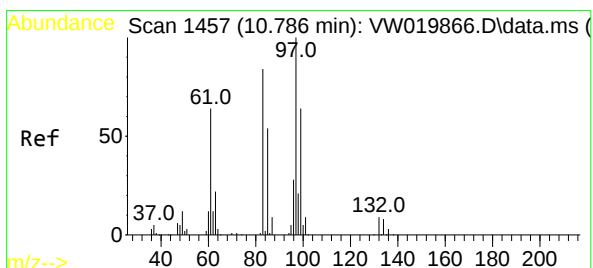
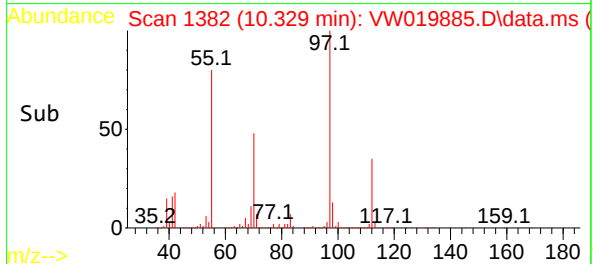
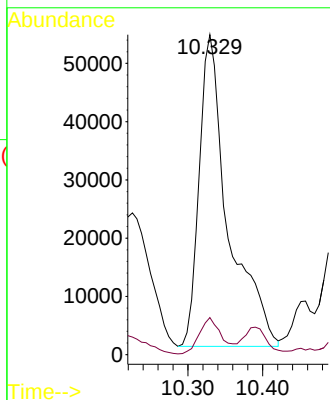
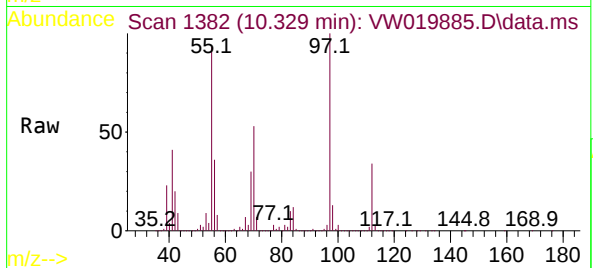
Acq: 24 Aug 2021 19:17

Tgt Ion: 91 Resp: 144233

Ion Ratio Lower Upper

91 100

92 11.6 39.5 73.3#



#45

1,1,2-Trichloroethane

Concen: 1671.977 ug/L

RT: 10.768 min Scan# 1454

Delta R.T. -0.018 min

Lab File: VW019885.D

Acq: 24 Aug 2021 19:17

Tgt Ion: 97 Resp: 8336488

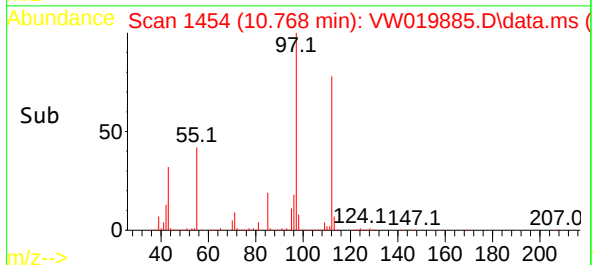
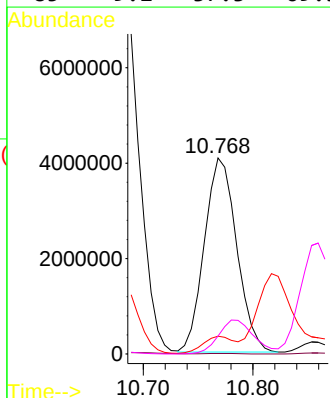
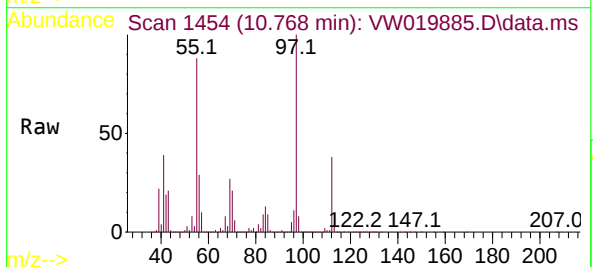
Ion Ratio Lower Upper

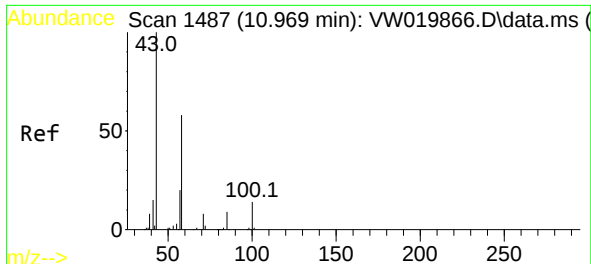
97 100

99 0.3 45.1 83.7#

83 9.1 58.1 107.9#

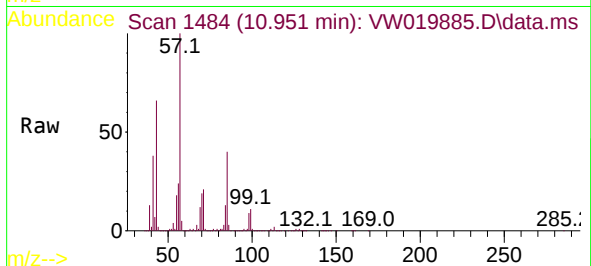
85 9.2 37.3 69.3#



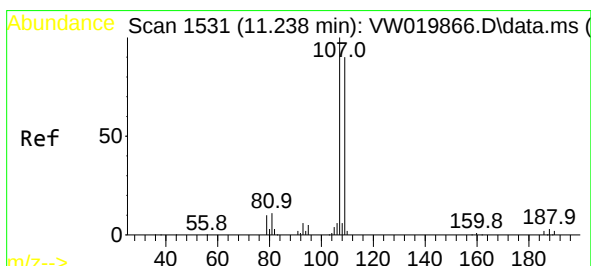
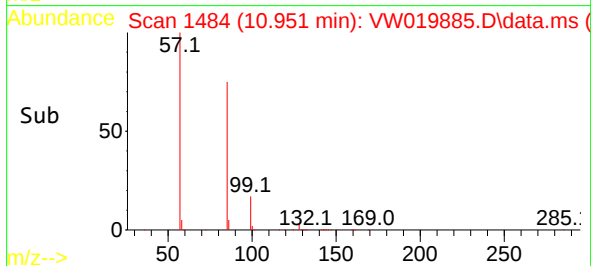
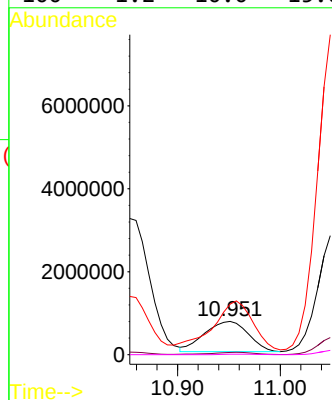


#48
2-Hexanone
Concen: 848.293 ug/L
RT: 10.951 min Scan# 1484
Delta R.T. -0.018 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

Instrument :
MSVOA_W
ClientSampled :
EW7B6

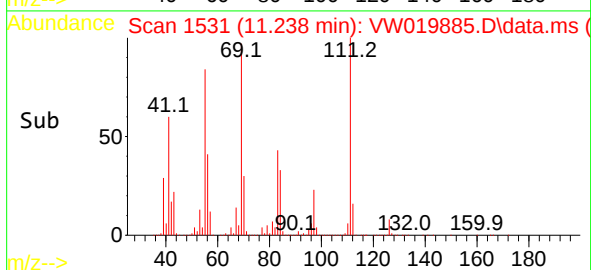
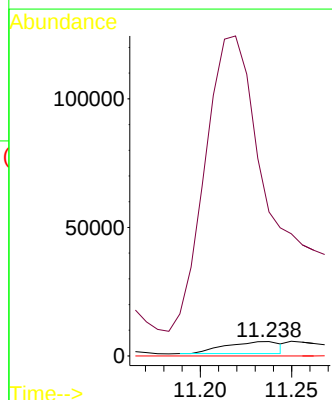
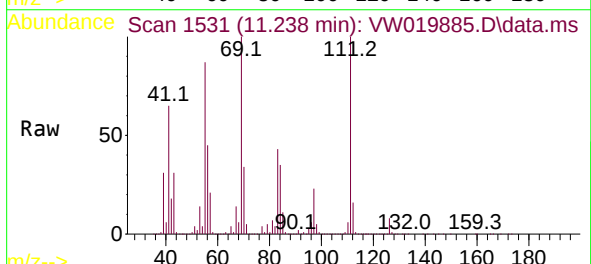


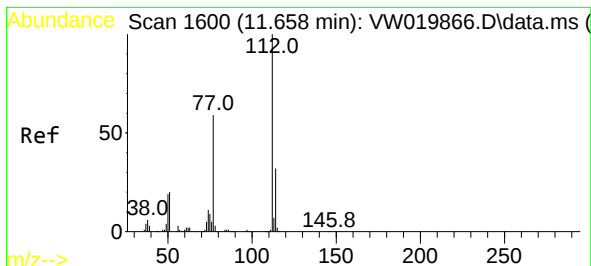
Tgt Ion: 43 Resp: 2162551
Ion Ratio Lower Upper
43 100
58 6.8 42.7 64.1#
57 146.3 15.8 23.8#
100 1.2 10.0 15.0#



#50
1,2-Dibromoethane
Concen: 2.081 ug/L
RT: 11.238 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

Tgt Ion: 107 Resp: 9747
Ion Ratio Lower Upper
107 100
109 1001.3 65.4 121.4#
188 0.0 2.6 4.0#

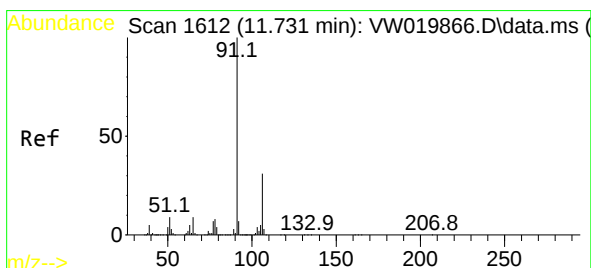
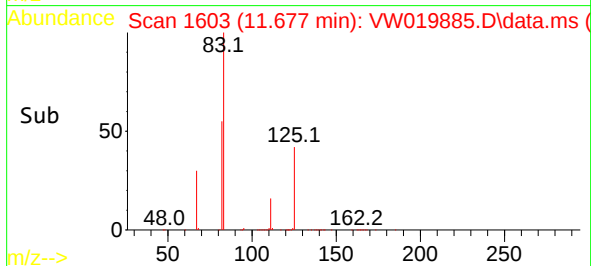
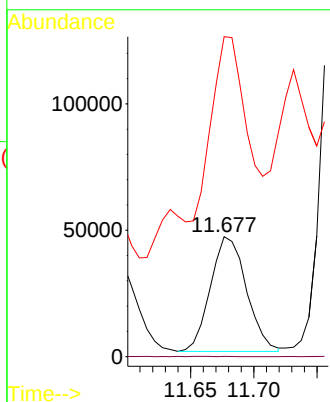
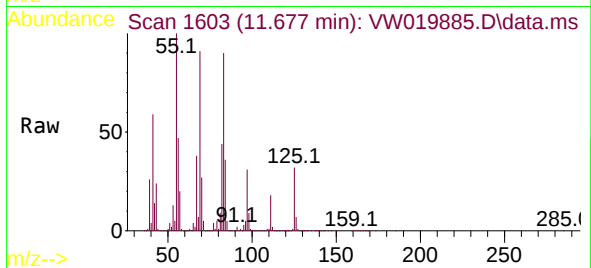




#51
Chlorobenzene
Concen: 4.806 ug/L
RT: 11.677 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

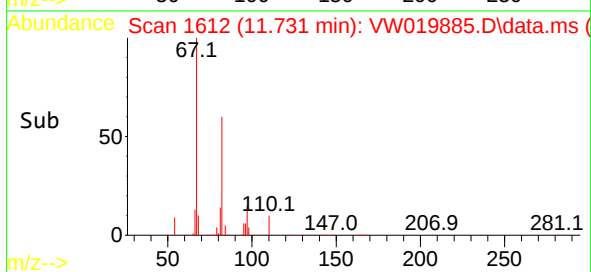
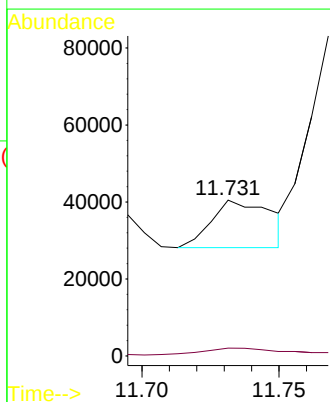
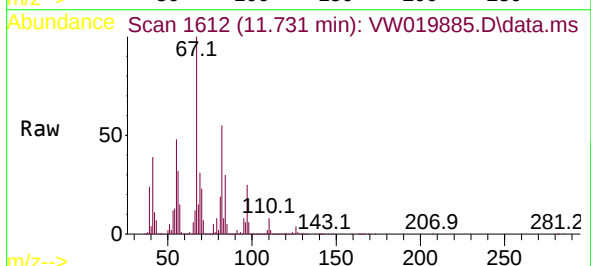
Instrument :
MSVOA_W
ClientSampled :
EW7B6

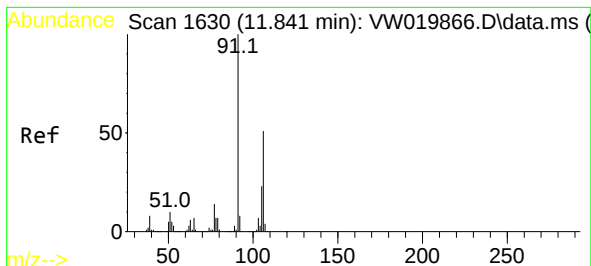
Tgt Ion:112 Resp: 89914
Ion Ratio Lower Upper
112 100
114 0.3 23.4 43.6#
77 266.7 47.6 71.4#



#52
Ethylbenzene
Concen: 0.592 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

Tgt Ion: 91 Resp: 18769
Ion Ratio Lower Upper
91 100
106 5.0 22.5 41.7#

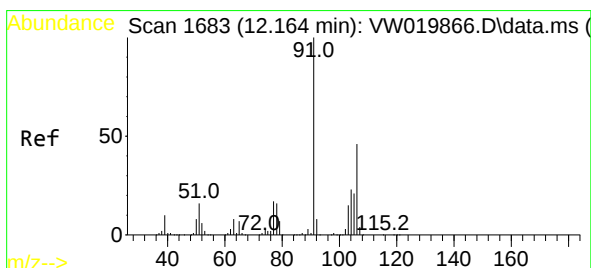
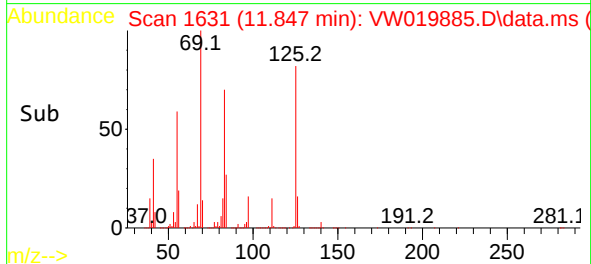
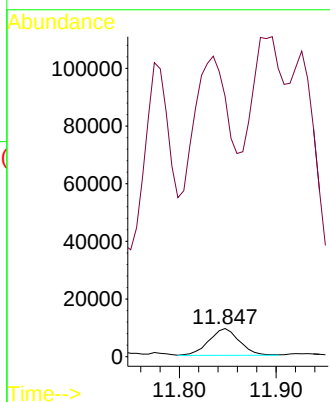
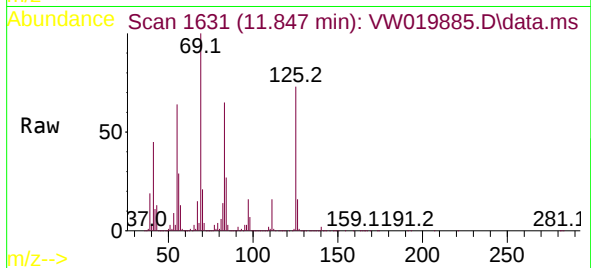




#53
m,p-Xylene
Concen: 1.666 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

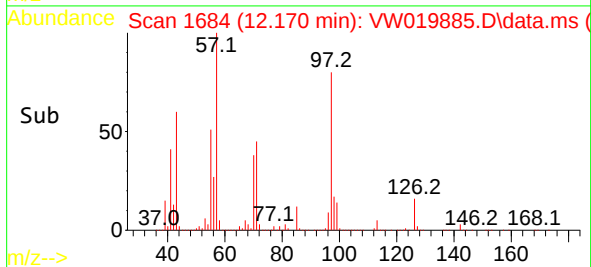
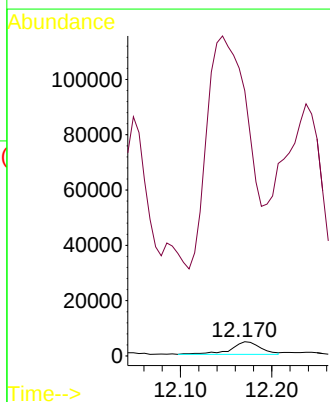
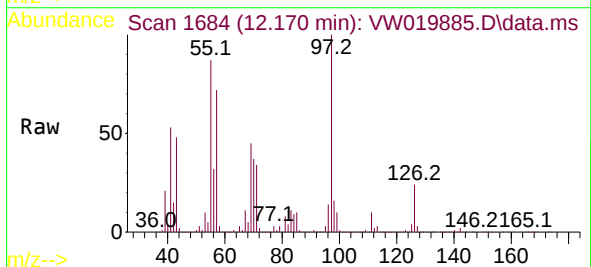
Instrument :
MSVOA_W
ClientSampleId :
EW7B6

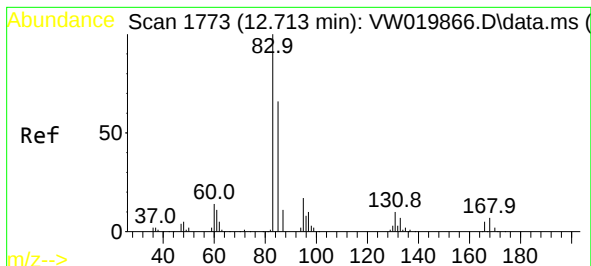
Tgt Ion:106 Resp: 20289
Ion Ratio Lower Upper
106 100
91 924.5 141.3 262.3#



#54
o-Xylene
Concen: 0.905 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

Tgt Ion:106 Resp: 10430
Ion Ratio Lower Upper
106 100
91 1868.9 150.0 278.6#

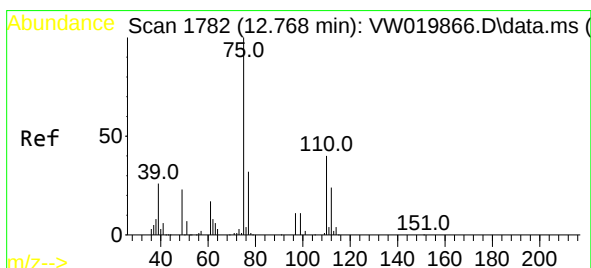
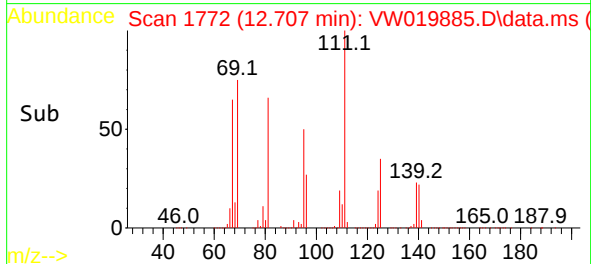
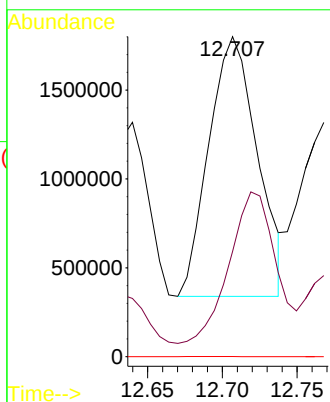
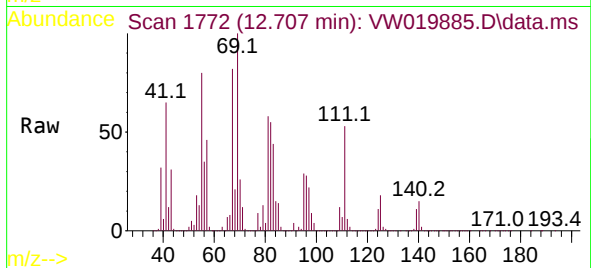




#57
1,1,2,2-Tetrachloroethane
Concen: 538.304 ug/L
RT: 12.707 min Scan# 1772
Delta R.T. -0.006 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

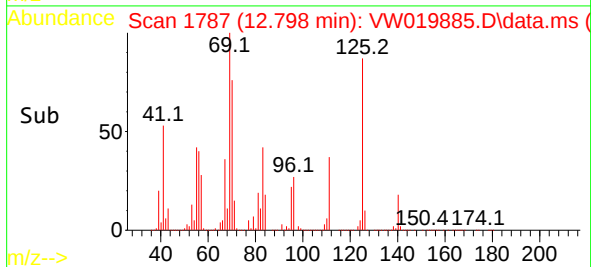
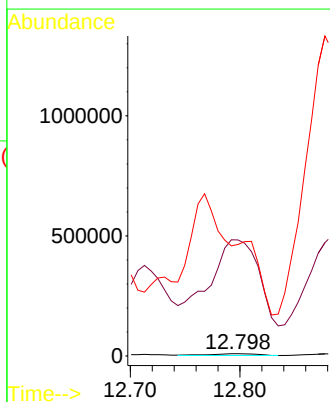
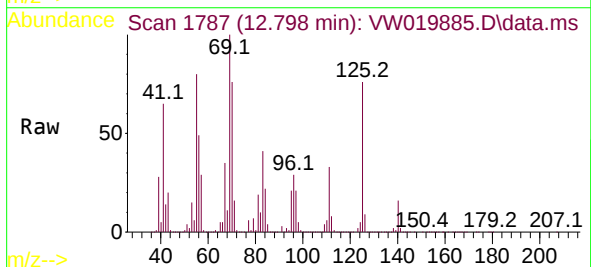
Instrument :
MSVOA_W
ClientSampled :
EW7B6

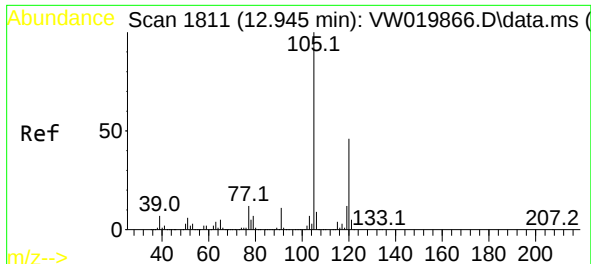
Tgt Ion: 83 Resp: 3291427
Ion Ratio Lower Upper
83 100
85 32.9 44.4 82.4#
131 0.0 8.2 12.4#



#61
1,2,3-Trichloropropane
Concen: 1.613 ug/L
RT: 12.798 min Scan# 1787
Delta R.T. 0.031 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

Tgt Ion: 75 Resp: 21183
Ion Ratio Lower Upper
75 100
77 5247.8 25.3 37.9#
110 3076.9 32.6 48.8#

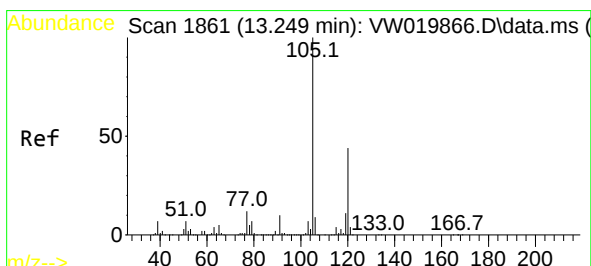
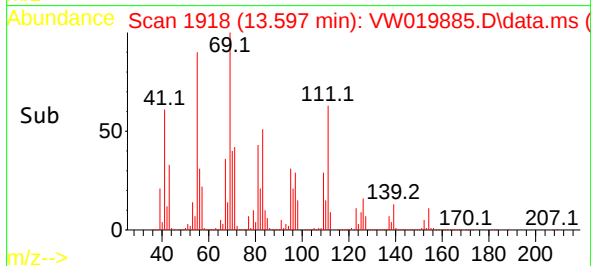
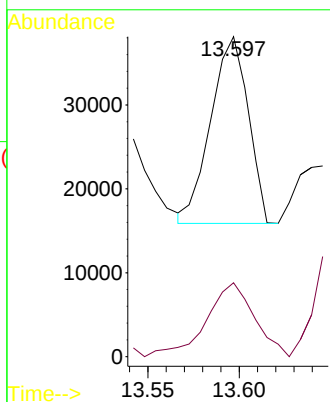
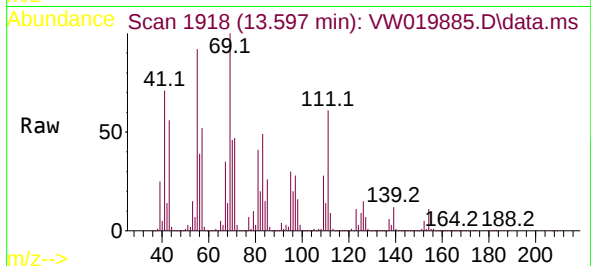




#62
1,3,5-Trimethylbenzene
Concen: 0.437 ug/L
RT: 13.597 min Scan# 1918
Delta R.T. 0.652 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

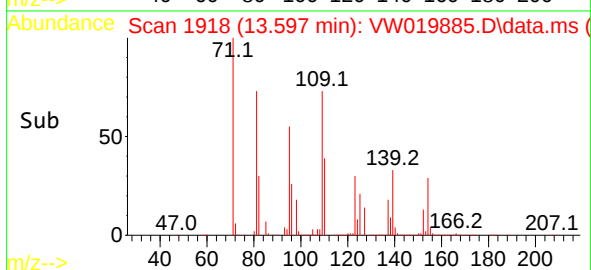
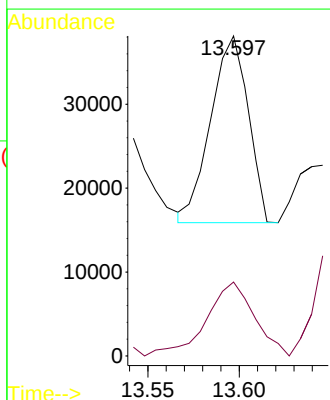
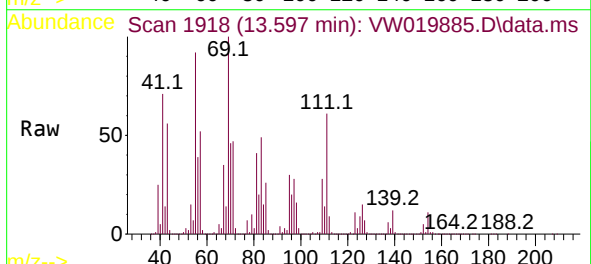
Instrument :
MSVOA_W
ClientSampled :
EW7B6

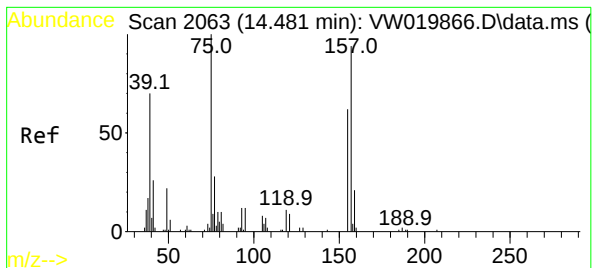
Tgt Ion:105 Resp: 31684
Ion Ratio Lower Upper
105 100
120 50.9 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 0.431 ug/L
RT: 13.597 min Scan# 1918
Delta R.T. 0.348 min
Lab File: VW019885.D
Acq: 24 Aug 2021 19:17

Tgt Ion:105 Resp: 31684
Ion Ratio Lower Upper
105 100
120 50.9 35.6 53.4





#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.414 ug/L
 RT: 14.493 min Scan# 2065
 Delta R.T. 0.012 min
 Lab File: VW019885.D
 Acq: 24 Aug 2021 19:17

Instrument :
 MSVOA_W
 ClientSampleId :
 EW7B6

Tgt Ion: 75 Resp: 4048
 Ion Ratio Lower Upper
 75 100
 155 43.7 59.4 89.0#
 157 7.4 72.2 108.2#

