

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051322\
 Data File : VW023018.D
 Acq On : 13 May 2022 11:32
 Operator : SY/VA
 Sample : N2766-15RE
 Misc : 6.06g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW4G5RE

Quant Time: May 13 23:59:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 13 23:57:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

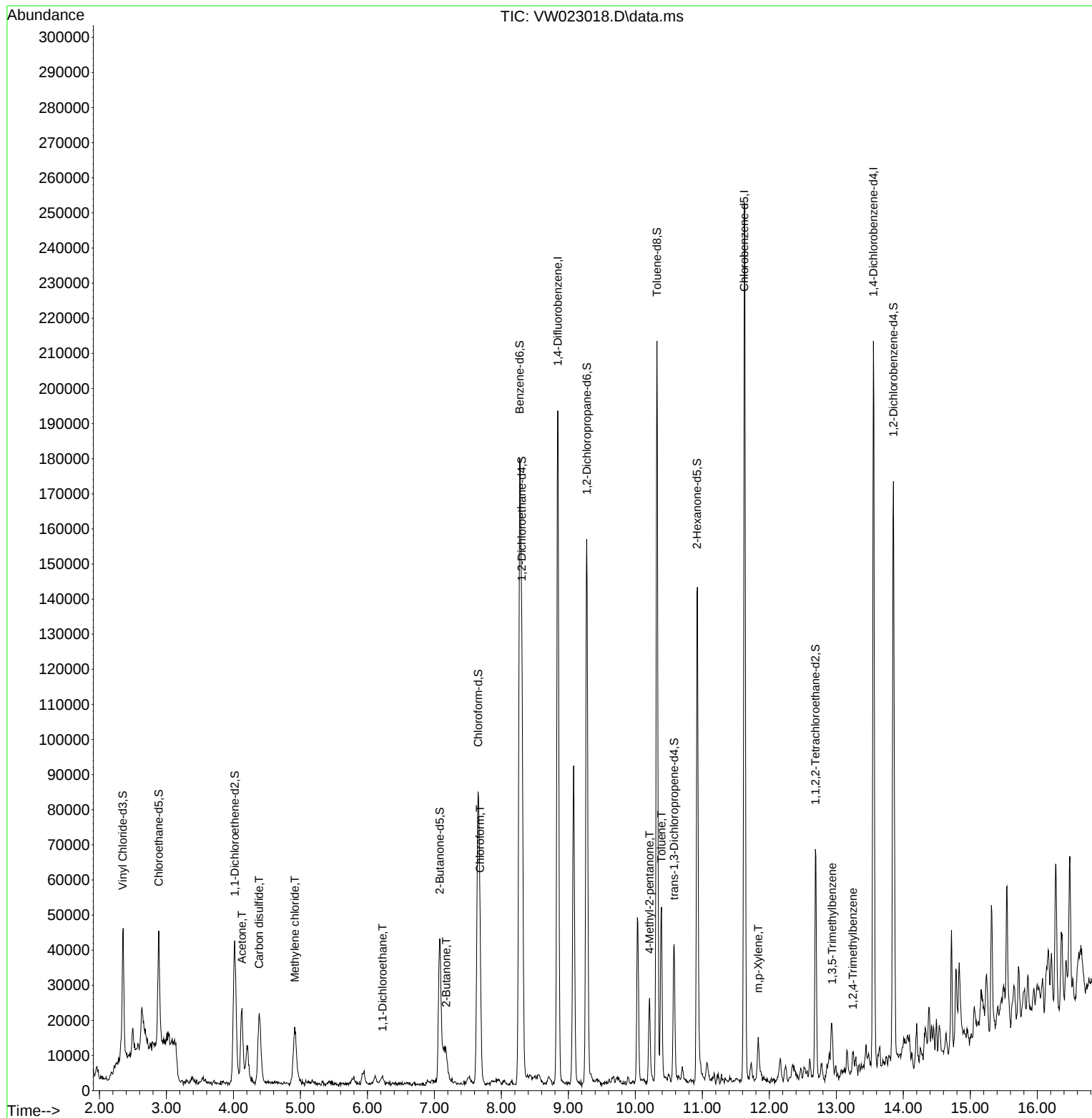
Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	162913	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.627	117	136217	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	50666	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.348	65	32846	9.827	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	39.320%
7) Chloroethane-d5	2.885	69	35383	16.272	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.080%
11) 1,1-Dichloroethene-d2	4.019	63	37803	8.753	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	35.000%#
21) 2-Butanone-d5	7.079	46	66562	104.740	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	209.480%#
24) Chloroform-d	7.652	84	73410	15.380	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	61.520%
26) 1,2-Dichloroethane-d4	8.305	65	84692	32.353	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	129.400%
32) Benzene-d6	8.274	84	177384	22.592	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.360%
36) 1,2-Dichloropropane-d6	9.274	67	68501	31.059	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	124.240%#
41) Toluene-d8	10.323	98	137620	18.145	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.560%
43) trans-1,3-Dichloroprop...	10.579	79	18106	17.830	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71.320%
47) 2-Hexanone-d5	10.920	63	45907	109.036	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	218.080%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	29858	14.525	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	58.080%
66) 1,2-Dichlorobenzene-d4	13.852	152	39937	22.549	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.200%
Target Compounds						Qvalue
13) Acetone	4.129	43	35198	73.978	ug/L	99
14) Carbon disulfide	4.385	76	29204	5.105	ug/L	99
16) Methylene chloride	4.915	84	12742	5.345	ug/L	83
19) 1,1-Dichloroethane	6.226	63	2640	0.663	ug/L	88
22) 2-Butanone	7.177	43	11487	17.264	ug/L	76
25) Chloroform	7.683	83	39423	8.959	ug/L	93
40) 4-Methyl-2-pentanone	10.213	43	14840	12.124	ug/L	97
42) Toluene	10.390	91	35502	3.948	ug/L	97
53) m,p-Xylene	11.835	106	3209	0.814	ug/L	75
62) 1,3,5-Trimethylbenzene	12.938	105	1679	0.435	ug/L	89
63) 1,2,4-Trimethylbenzene	13.249	105	3823	0.659	ug/L	99

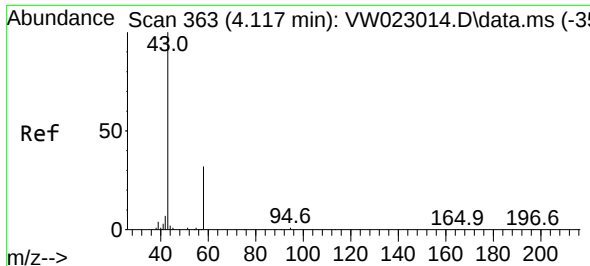
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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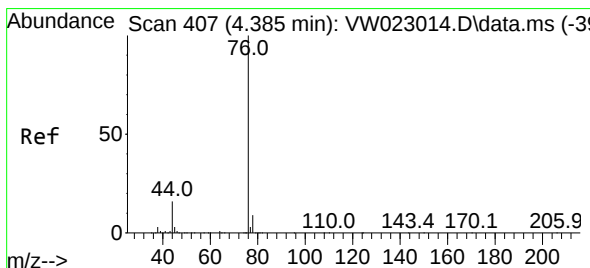
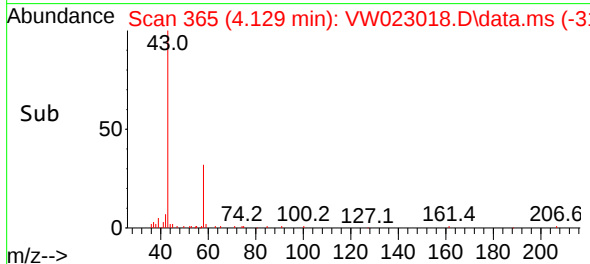
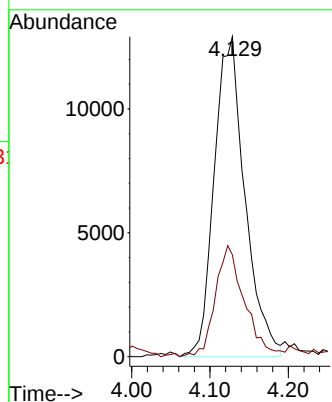
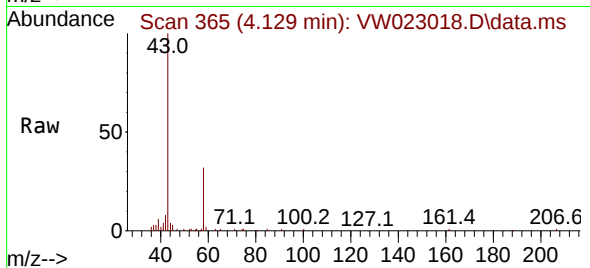




#13
Acetone
Concen: 73.978 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.012 min
Lab File: VW023018.D
Acq: 13 May 2022 11:32

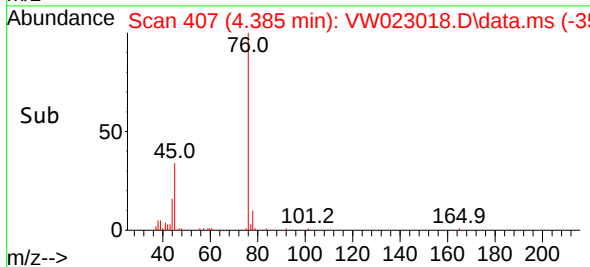
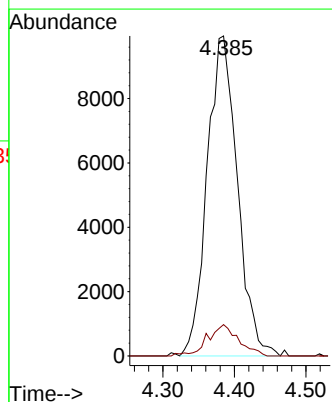
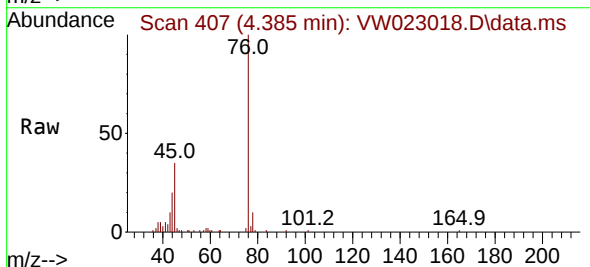
Instrument :
MSVOA_W
ClientSampleId :
EW4G5RE

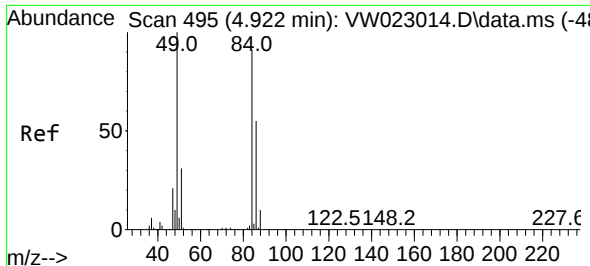
Tgt Ion: 43 Resp: 35198
Ion Ratio Lower Upper
43 100
58 31.4 0.0 64.0



#14
Carbon disulfide
Concen: 5.105 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW023018.D
Acq: 13 May 2022 11:32

Tgt Ion: 76 Resp: 29204
Ion Ratio Lower Upper
76 100
78 9.8 7.7 11.5

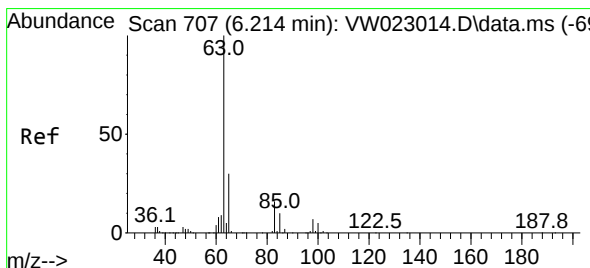
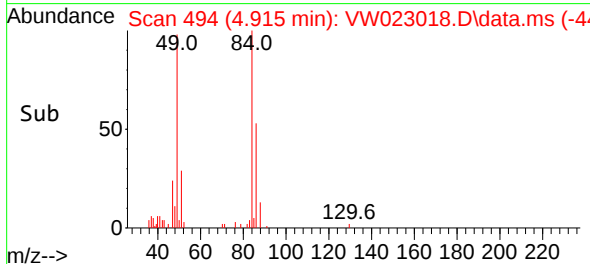
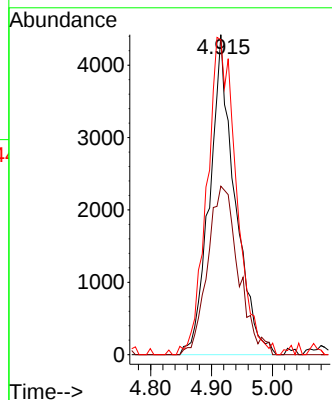
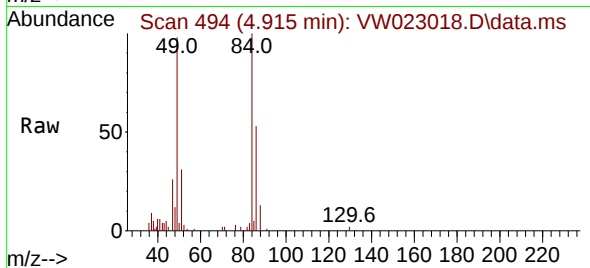




#16
Methylene chloride
Concen: 5.345 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW023018.D
Acq: 13 May 2022 11:32

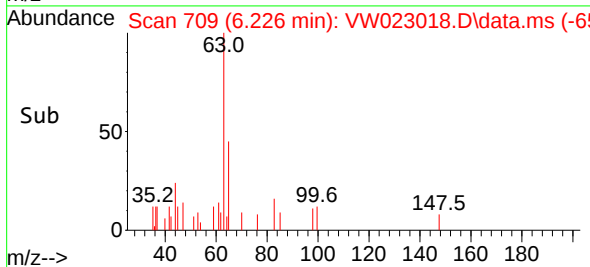
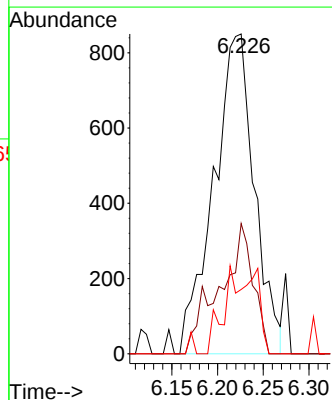
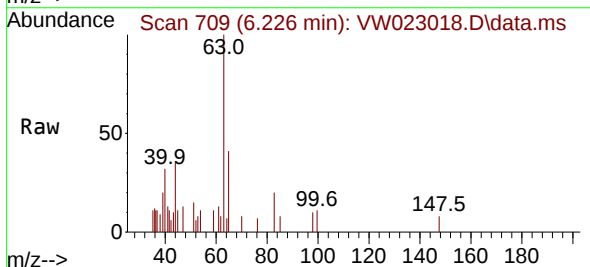
Instrument :
MSVOA_W
ClientSampleId :
EW4G5RE

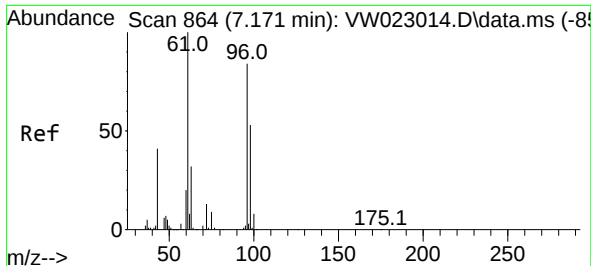
Tgt Ion: 84 Resp: 12742
Ion Ratio Lower Upper
84 100
86 52.7 45.4 84.4
49 98.4 82.5 153.1



#19
1,1-Dichloroethane
Concen: 0.663 ug/L
RT: 6.226 min Scan# 709
Delta R.T. 0.012 min
Lab File: VW023018.D
Acq: 13 May 2022 11:32

Tgt Ion: 63 Resp: 2640
Ion Ratio Lower Upper
63 100
65 40.7 23.3 43.3
83 20.1 11.1 20.5

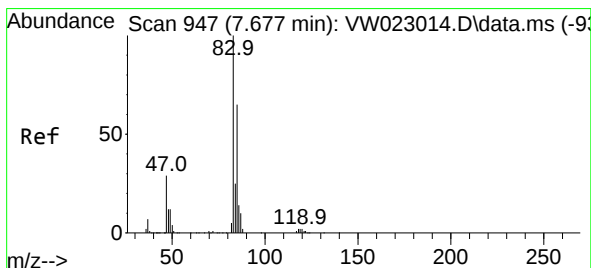
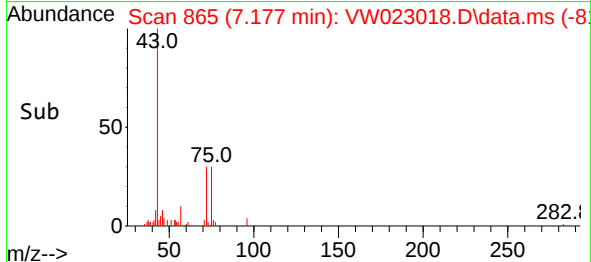
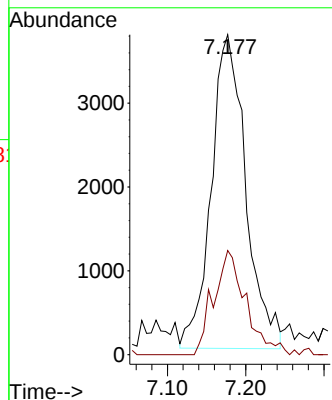
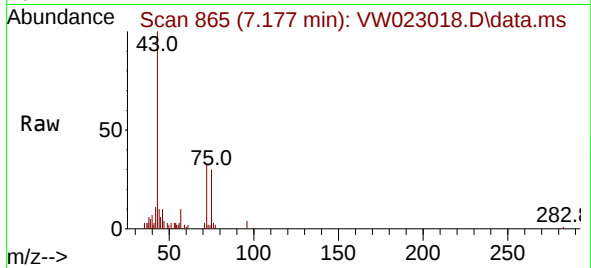




#22
2-Butanone
Concen: 17.264 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW023018.D
Acq: 13 May 2022 11:32

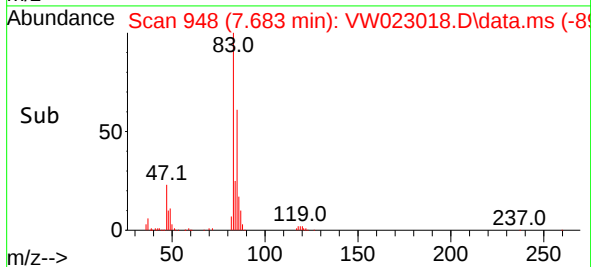
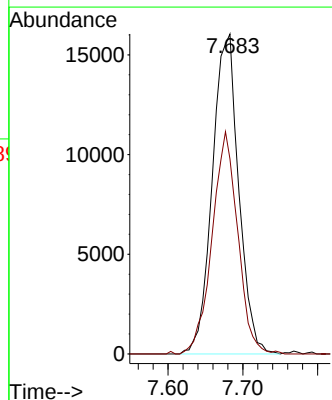
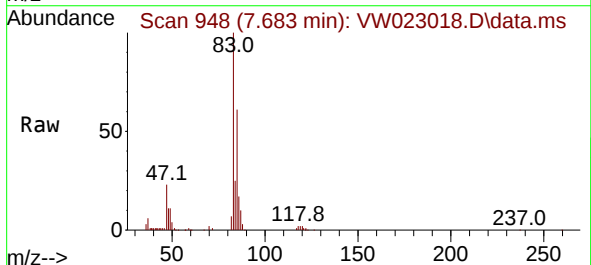
Instrument :
MSVOA_W
ClientSampleId :
EW4G5RE

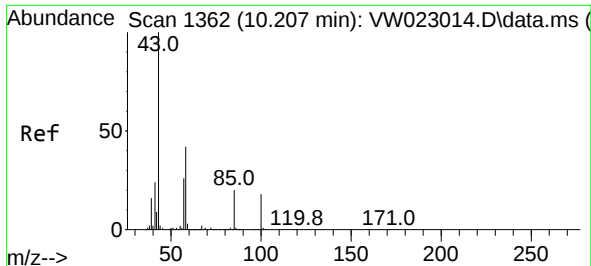
Tgt Ion: 43 Resp: 11487
Ion Ratio Lower Upper
43 100
72 17.3 15.1 45.3



#25
Chloroform
Concen: 8.959 ug/L
RT: 7.683 min Scan# 948
Delta R.T. 0.006 min
Lab File: VW023018.D
Acq: 13 May 2022 11:32

Tgt Ion: 83 Resp: 39423
Ion Ratio Lower Upper
83 100
85 60.9 46.6 86.6





#40

4-Methyl-2-pentanone

Concen: 12.124 ug/L

RT: 10.213 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW023018.D

Acq: 13 May 2022 11:32

Instrument :

MSVOA_W

ClientSampleId :

EW4G5RE

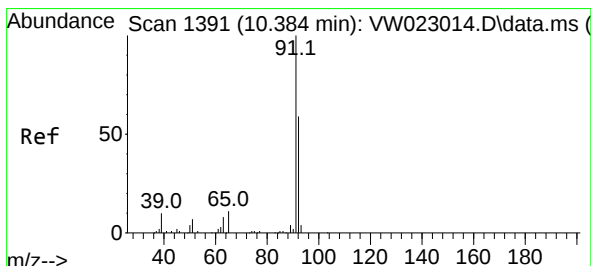
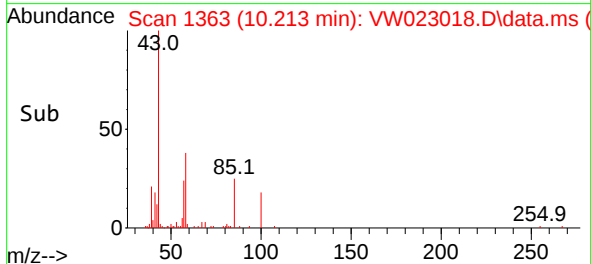
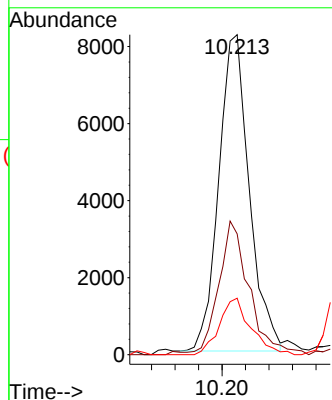
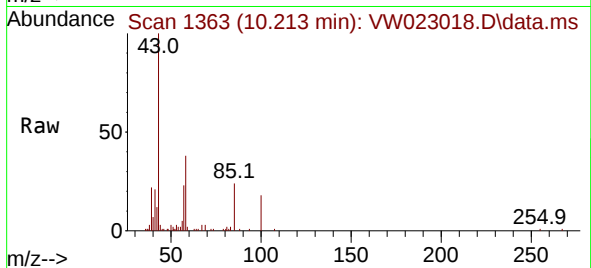
Tgt Ion: 43 Resp: 14840

Ion Ratio Lower Upper

43 100

58 41.8 31.4 47.2

100 18.3 14.2 21.4



#42

Toluene

Concen: 3.948 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.006 min

Lab File: VW023018.D

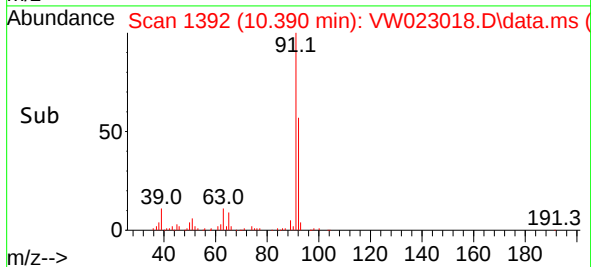
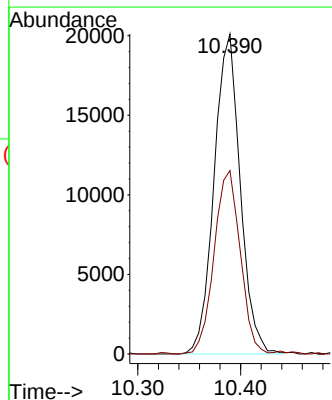
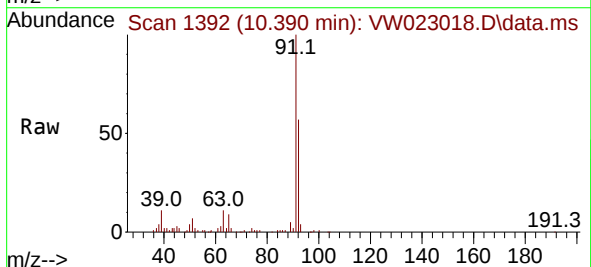
Acq: 13 May 2022 11:32

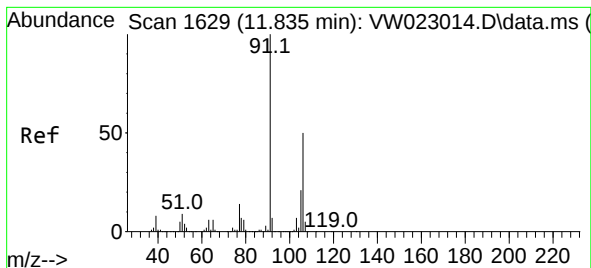
Tgt Ion: 91 Resp: 35502

Ion Ratio Lower Upper

91 100

92 57.3 41.6 77.2





#53

m,p-Xylene

Concen: 0.814 ug/L

RT: 11.835 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW023018.D

Acq: 13 May 2022 11:32

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ClientSampleId :

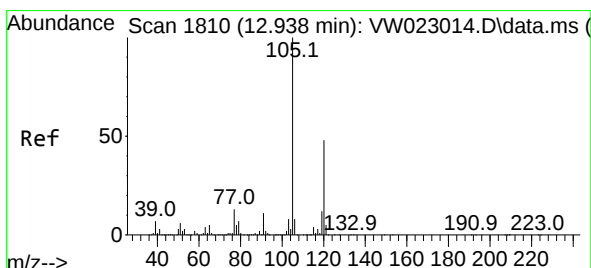
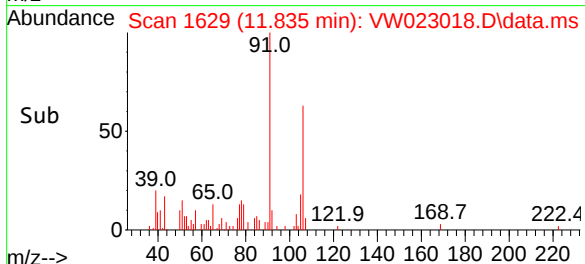
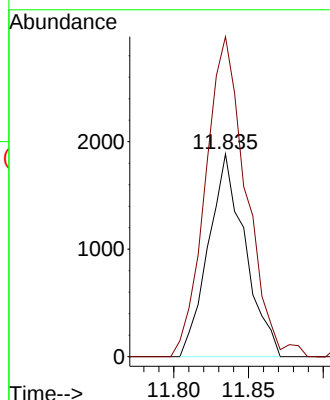
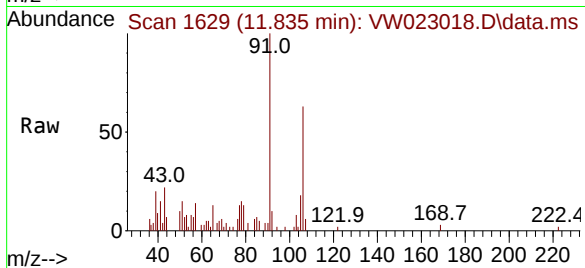
EW4G5RE

Tgt Ion:106 Resp: 3209

Ion Ratio Lower Upper

106 100

91 157.8 136.8 254.0



#62

1,3,5-Trimethylbenzene

Concen: 0.435 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW023018.D

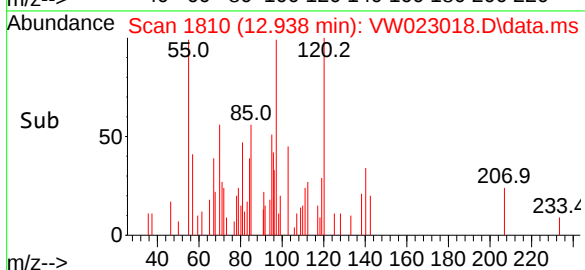
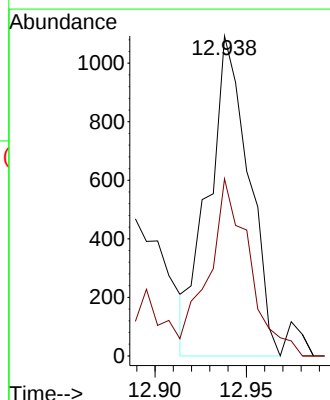
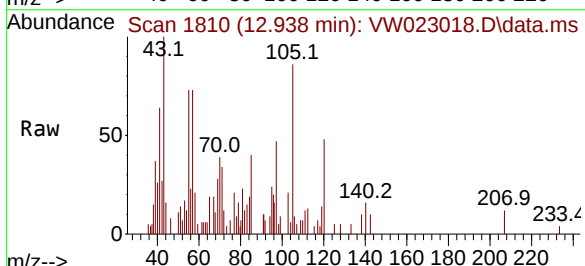
Acq: 13 May 2022 11:32

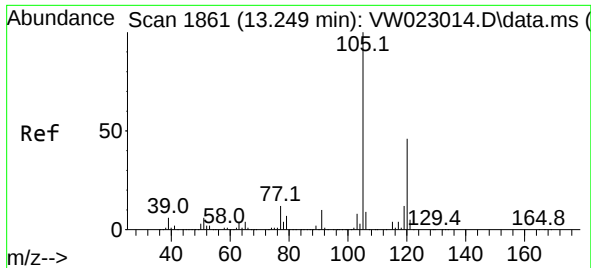
Tgt Ion:105 Resp: 1679

Ion Ratio Lower Upper

105 100

120 55.7 38.9 58.3





#63
 1,2,4-Trimethylbenzene
 Concen: 0.659 ug/L
 RT: 13.249 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW023018.D
 Acq: 13 May 2022 11:32

Instrument :
 MSVOA_W
 ClientSampleId :
 EW4G5RE

Tgt Ion:105 Resp: 3823
 Ion Ratio Lower Upper
 105 100
 120 46.0 37.4 56.2

