

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091823\
 Data File : VW027130.D
 Acq On : 18 Sep 2023 16:27
 Operator : SY/MD
 Sample : 04472-05
 Misc : 6.59g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 22:38:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Sep 18 22:36:33 2023
 Response via : Initial Calibration

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

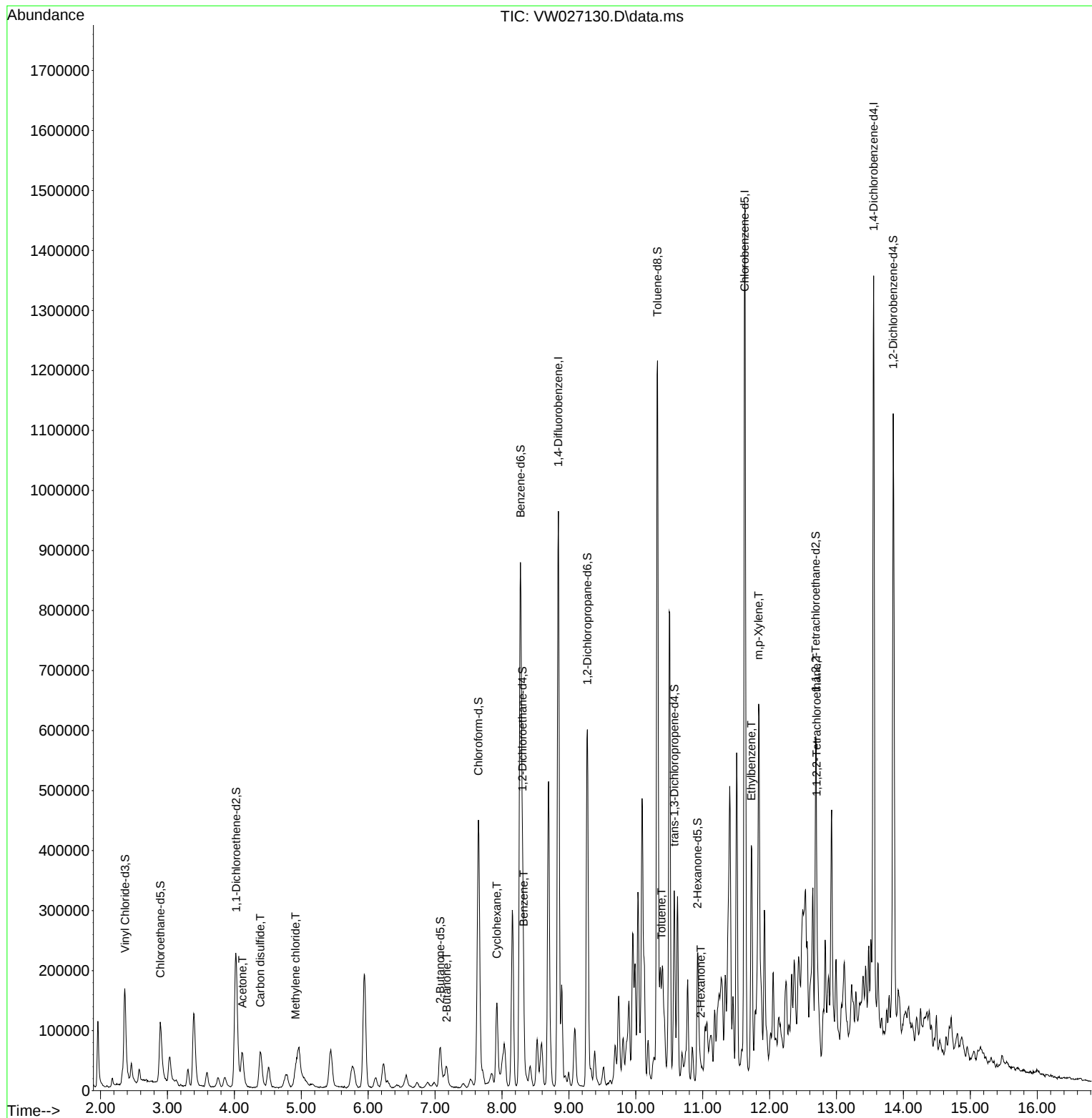
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	782528	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	746139	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	341038	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	168052	13.348	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	=	53.400%	
7) Chloroethane-d5	2.893	69	159485	16.403	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	=	65.600%	
11) 1,1-Dichloroethene-d2	4.027	65	82450	15.274	ug/L	0.00
Spiked Amount	25.000	Range 45 - 110	Recovery	=	61.080%	
21) 2-Butanone-d5	7.075	46	110527	47.410	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	=	94.820%	
24) Chloroform-d	7.648	84	456820	19.431	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery	=	77.720%	
26) 1,2-Dichloroethane-d4	8.307	65	237929	20.741	ug/L	0.00
Spiked Amount	25.000	Range 70 - 130	Recovery	=	82.960%	
32) Benzene-d6	8.276	84	971984	20.171	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery	=	80.680%	
36) 1,2-Dichloropropane-d6	9.276	67	296235	21.727	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery	=	86.920%	
41) Toluene-d8	10.325	98	839952	19.586	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery	=	78.360%	
43) trans-1,3-Dichloroprop...	10.575	79	109278	19.834	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery	=	79.320%	
47) 2-Hexanone-d5	10.922	63	68299	41.571	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	=	83.140%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	267653	24.500	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery	=	98.000%	
66) 1,2-Dichlorobenzene-d4	13.848	152	280532	23.034	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery	=	92.120%	
Target Compounds						
					Qvalue	
13) Acetone	4.118	43	93178	42.306	ug/L	95
14) Carbon disulfide	4.387	76	150592	3.958	ug/L	97
16) Methylene chloride	4.917	84	26405	1.774	ug/L	98
22) 2-Butanone	7.173	43	49702	16.705	ug/L	99
29) Cyclohexane	7.923	56	31677	1.774	ug/L #	37
33) Benzene	8.325	78	58664	1.190	ug/L	100
42) Toluene	10.386	91	68027	1.306	ug/L	95
48) 2-Hexanone	10.971	43	12491	3.156	ug/L #	84
52) Ethylbenzene	11.727	91	44627	0.781	ug/L	95
53) m,p-Xylene	11.836	106	14115	0.644	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.702	83	10907	0.989	ug/L #	65

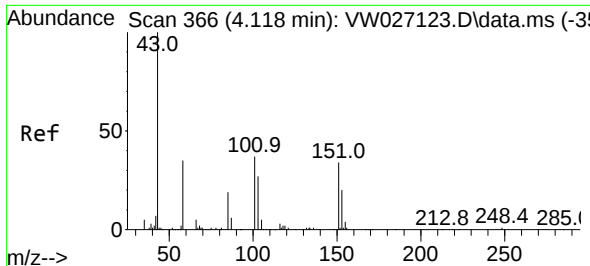
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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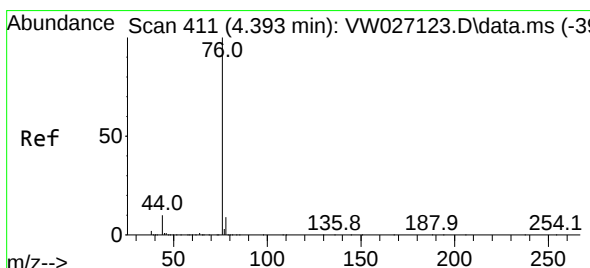
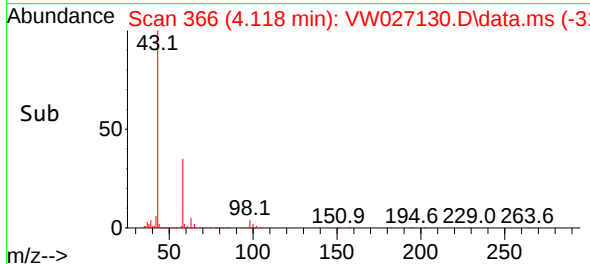
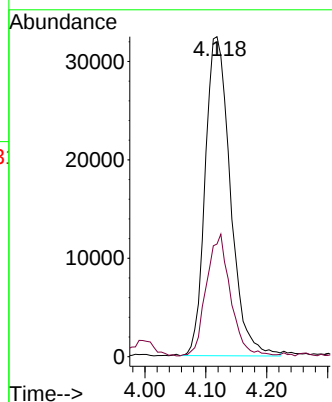
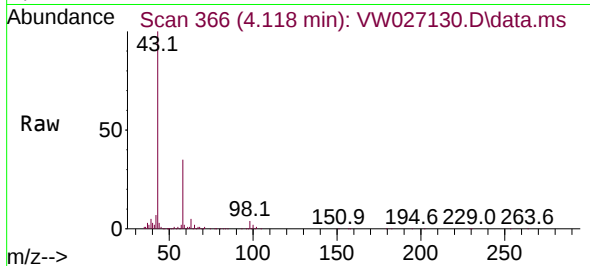




#13
Acetone
Concen: 42.306 ug/L
RT: 4.118 min Scan# 301
Delta R.T. -0.000 min
Lab File: VW027130.D
Acq: 18 Sep 2023 16:27

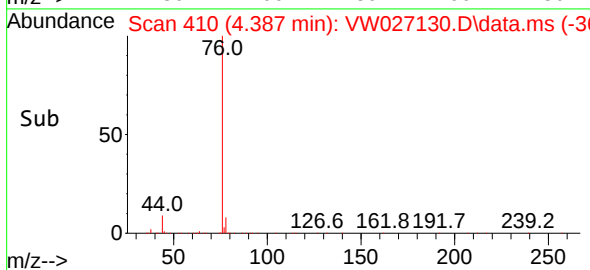
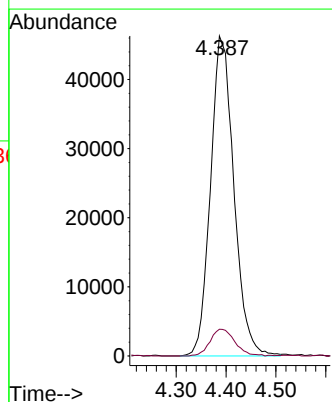
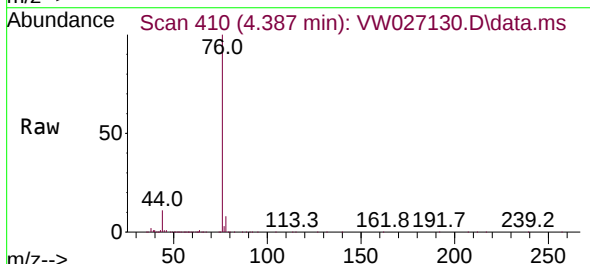
Instrument :
MSVOA_W
ClientSampleId :

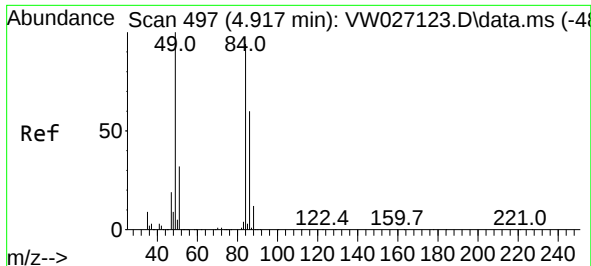
Tgt Ion: 43 Resp: 93178
Ion Ratio Lower Upper
43 100
58 35.8 0.0 77.4



#14
Carbon disulfide
Concen: 3.958 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW027130.D
Acq: 18 Sep 2023 16:27

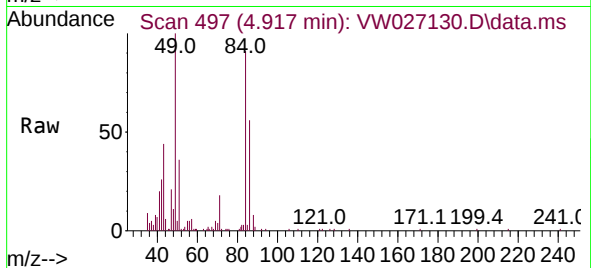
Tgt Ion: 76 Resp: 150592
Ion Ratio Lower Upper
76 100
78 8.3 7.5 11.3





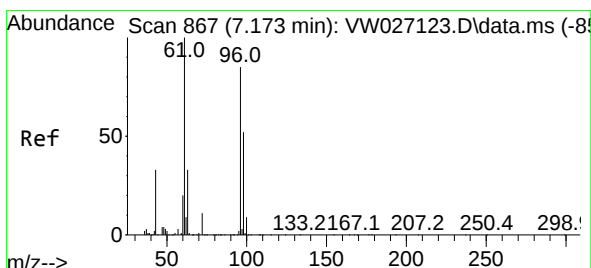
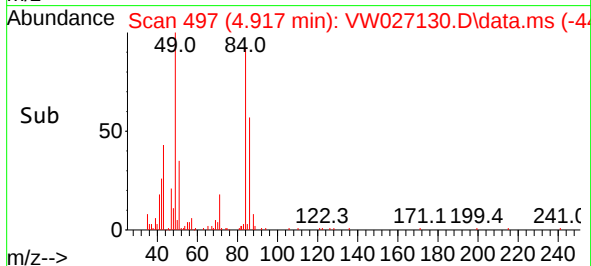
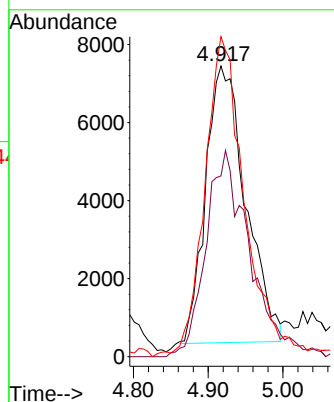
#16
Methylene chloride
Concen: 1.774 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW027130.D
Acq: 18 Sep 2023 16:27

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 84 Resp: 26405

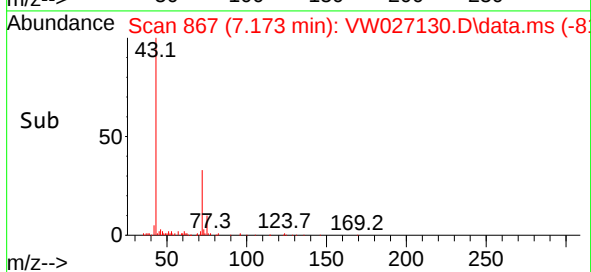
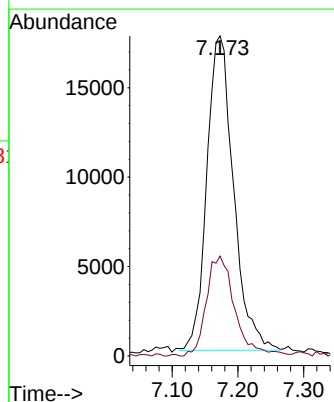
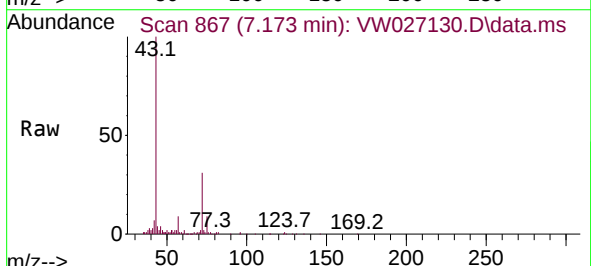
Ion	Ratio	Lower	Upper
84	100		
86	62.2	46.7	86.7
49	110.1	77.1	143.1

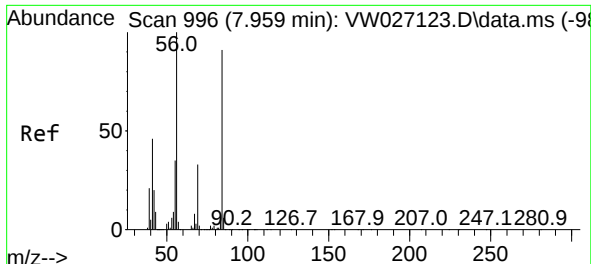


#22
2-Butanone
Concen: 16.705 ug/L
RT: 7.173 min Scan# 867
Delta R.T. -0.000 min
Lab File: VW027130.D
Acq: 18 Sep 2023 16:27

Tgt Ion: 43 Resp: 49702

Ion	Ratio	Lower	Upper
43	100		
72	33.0	16.8	50.4





#29

Cyclohexane

Concen: 1.774 ug/L

RT: 7.923 min Scan# 996

Delta R.T. -0.037 min

Lab File: VW027130.D

Acq: 18 Sep 2023 16:27

Instrument :

MSVOA_W

ClientSampleId :

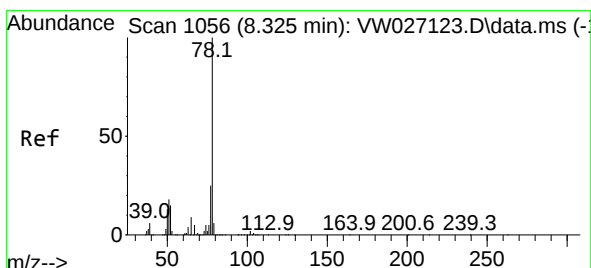
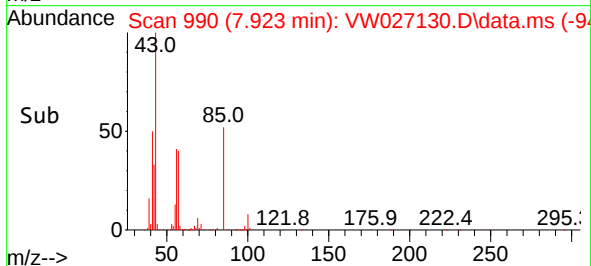
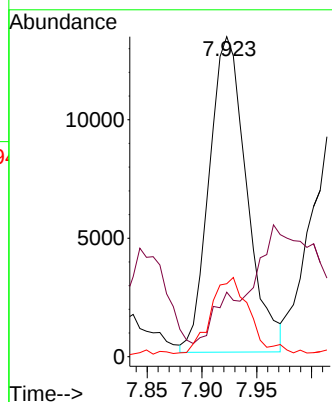
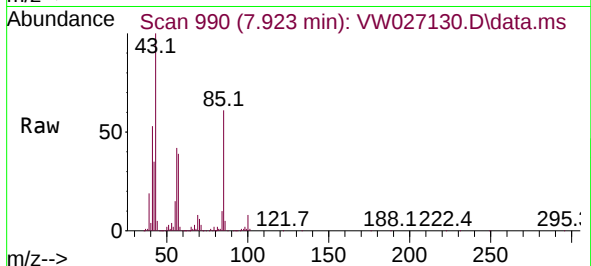
Tgt Ion: 56 Resp: 31677

Ion Ratio Lower Upper

56 100

69 10.9 26.5 39.7#

84 25.0 74.4 111.6#



#33

Benzene

Concen: 1.190 ug/L

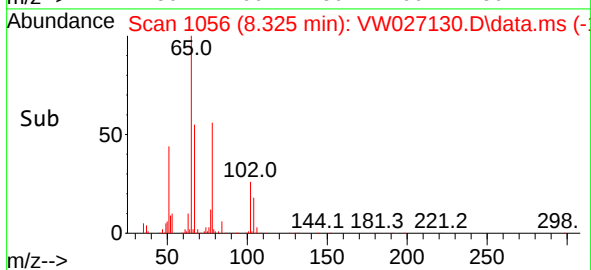
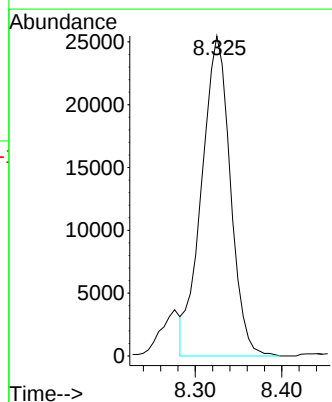
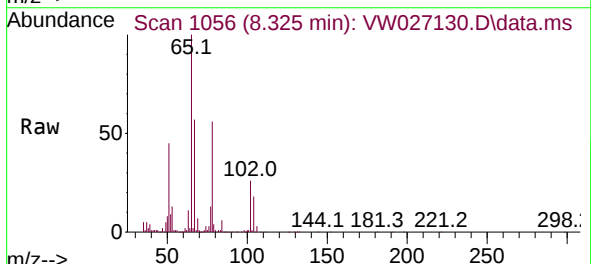
RT: 8.325 min Scan# 1056

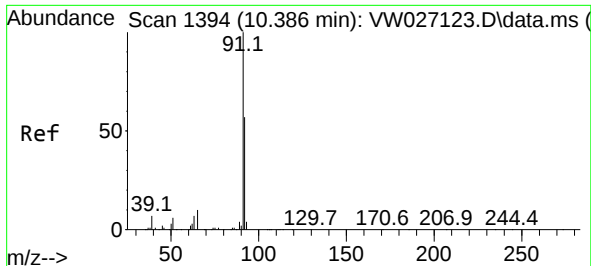
Delta R.T. -0.000 min

Lab File: VW027130.D

Acq: 18 Sep 2023 16:27

Tgt Ion: 78 Resp: 58664

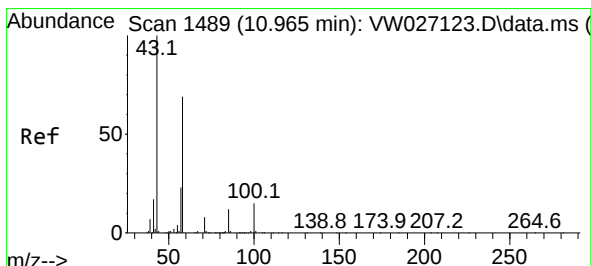
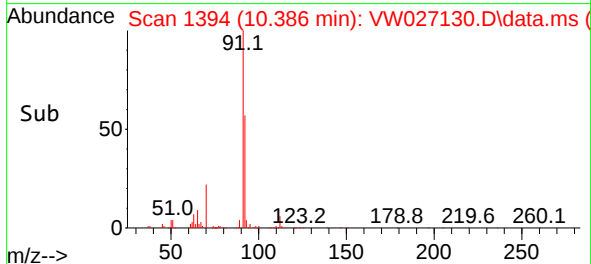
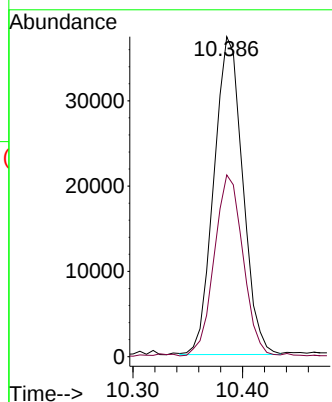
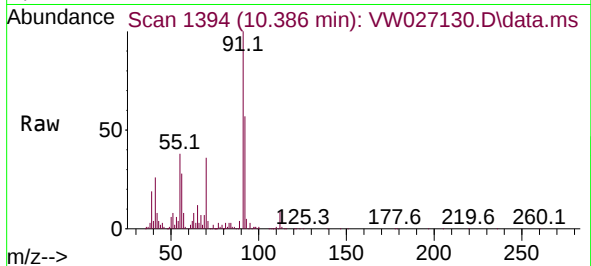




#42
Toluene
Concen: 1.306 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW027130.D
Acq: 18 Sep 2023 16:27

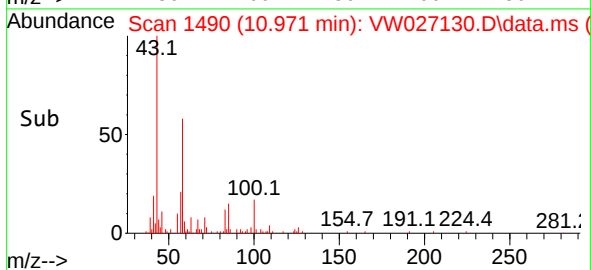
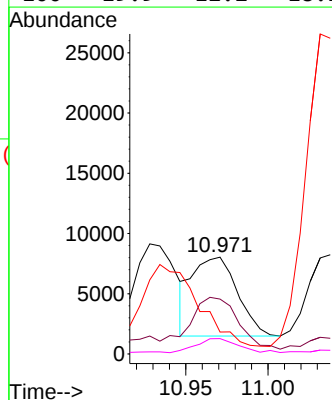
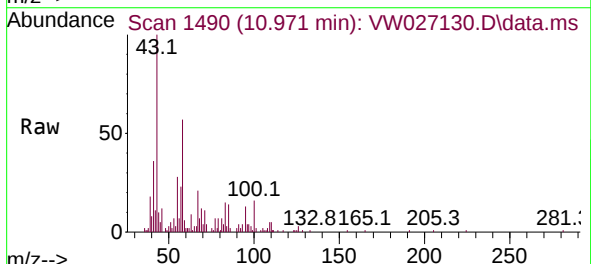
Instrument :
MSVOA_W
ClientSampleId :

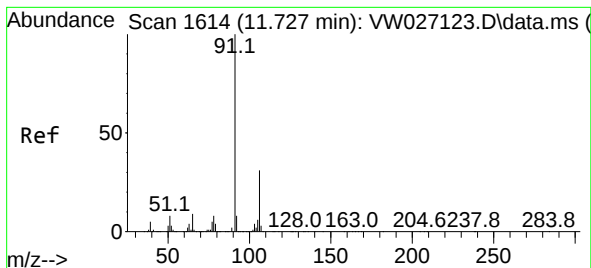
Tgt Ion: 91 Resp: 68027
Ion Ratio Lower Upper
91 100
92 56.8 42.7 79.3



#48
2-Hexanone
Concen: 3.156 ug/L
RT: 10.971 min Scan# 1490
Delta R.T. 0.006 min
Lab File: VW027130.D
Acq: 18 Sep 2023 16:27

Tgt Ion: 43 Resp: 12491
Ion Ratio Lower Upper
43 100
58 69.5 51.4 77.0
57 0.0 17.2 25.8#
100 19.9 12.2 18.2#

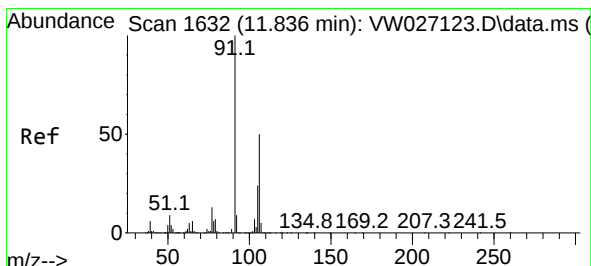
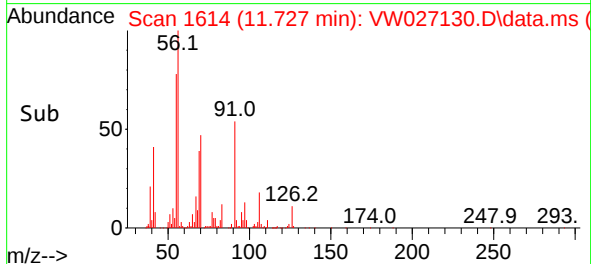
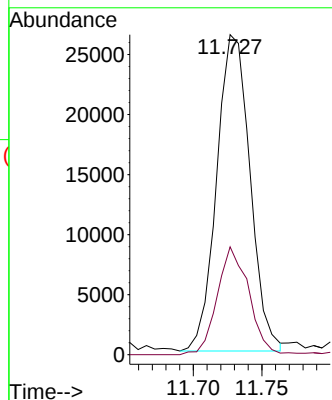
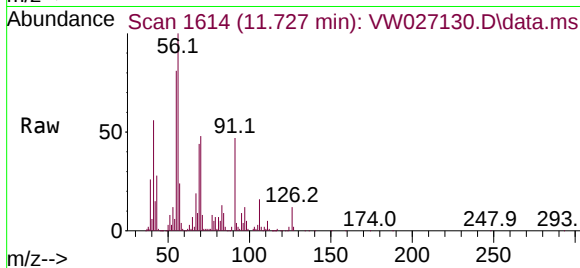




#52
Ethylbenzene
Concen: 0.781 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW027130.D
Acq: 18 Sep 2023 16:27

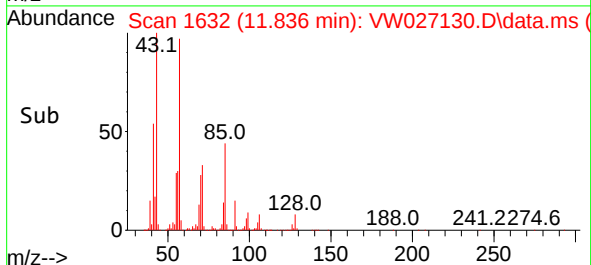
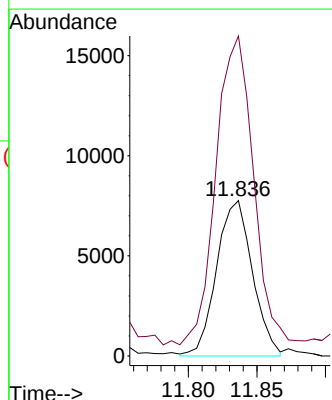
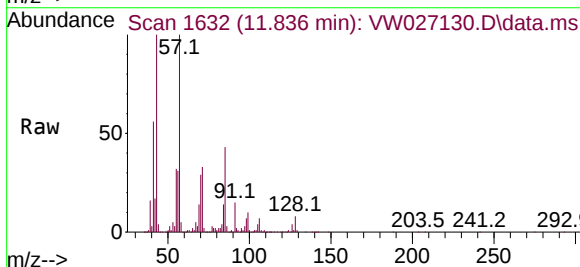
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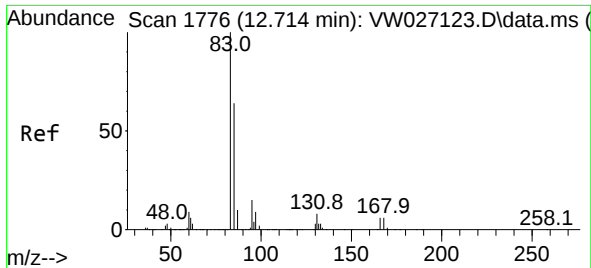
Tgt Ion: 91 Resp: 44627
Ion Ratio Lower Upper
91 100
106 33.7 21.8 40.4



#53
m,p-Xylene
Concen: 0.644 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW027130.D
Acq: 18 Sep 2023 16:27

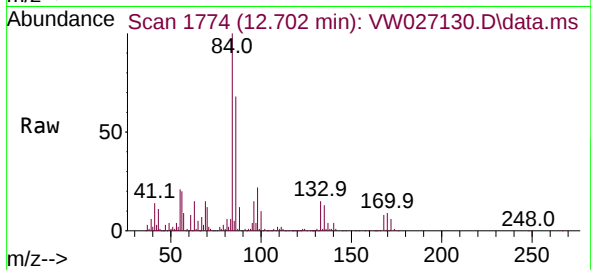
Tgt Ion: 106 Resp: 14115
Ion Ratio Lower Upper
106 100
91 206.1 142.7 265.1





#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.989 ug/L
 RT: 12.702 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: VW027130.D
 Acq: 18 Sep 2023 16:27

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	83	Resp:	10907
Ion	Ratio	Lower	Upper
83	100		
85	86.5	42.5	78.9#
131	24.7	7.8	11.8#

