

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091923\
 Data File : VW027144.D
 Acq On : 19 Sep 2023 12:21
 Operator : SY/MD
 Sample : 04472-04RE
 Misc : 3.67g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 20 01:36:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091823SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Sep 20 01:34:37 2023
 Response via : Initial Calibration

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

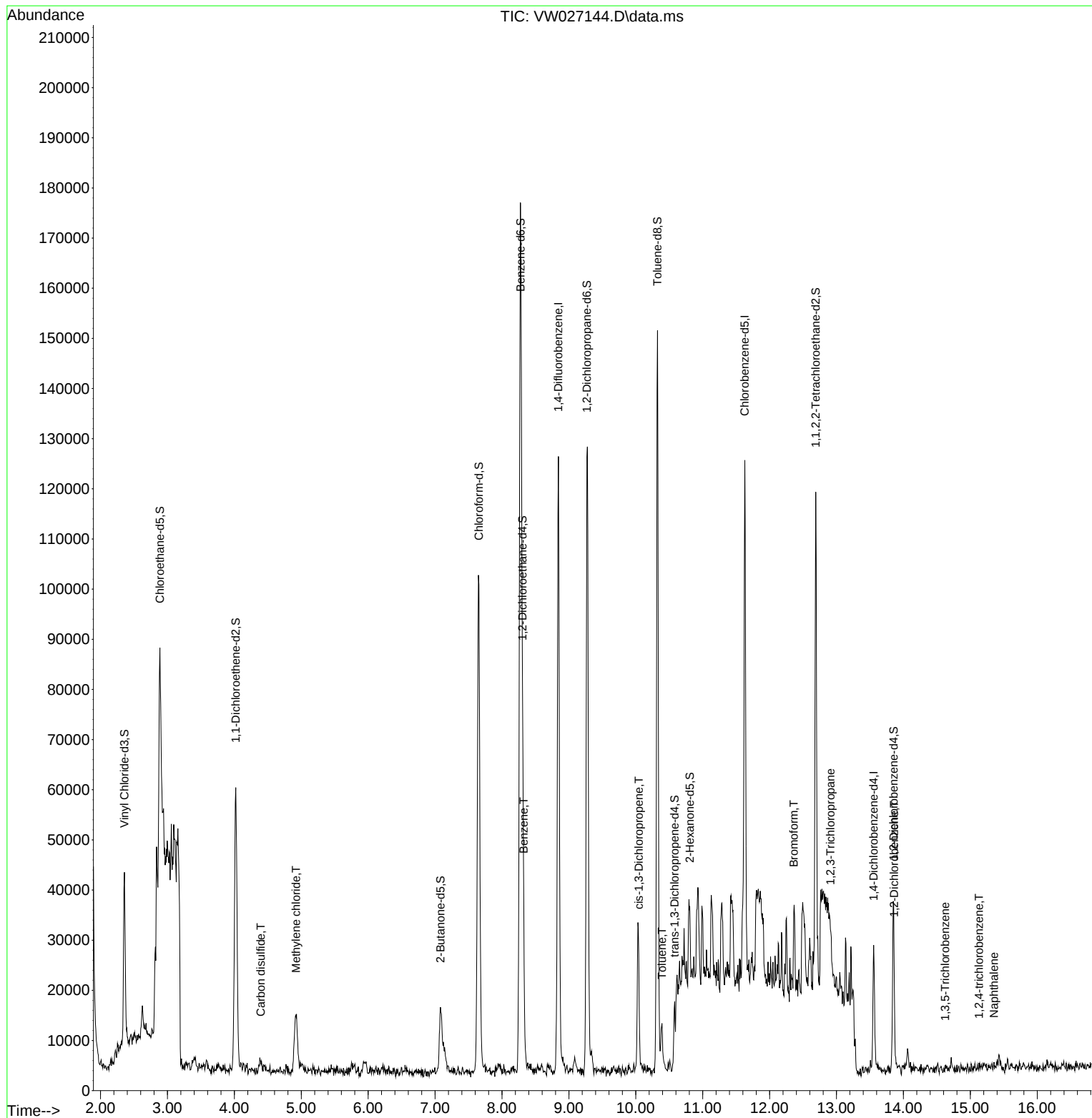
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	104020	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	50671	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	6527	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	38460	22.980	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.920%
7) Chloroethane-d5	2.887	69	55094	42.628	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	170.520%#
11) 1,1-Dichloroethene-d2	4.021	65	16910	23.567	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.280%
21) 2-Butanone-d5	7.081	46	21004	67.777	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.560%#
24) Chloroform-d	7.654	84	105589	33.788	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	135.160%
26) 1,2-Dichloroethane-d4	8.307	65	46493	30.490	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	121.960%
32) Benzene-d6	8.276	84	184991	56.531	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	226.120%#
36) 1,2-Dichloropropane-d6	9.270	67	63828	68.933	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	275.720%#
41) Toluene-d8	10.325	98	100708	34.579	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	138.320%#
43) trans-1,3-Dichloroprop...	10.581	79	7587	20.277	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.120%
47) 2-Hexanone-d5	10.806	63	390	3.495	ug/L	-0.12
Spiked Amount	50.000	Range	20 - 135	Recovery	=	7.000%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	50297	67.794	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	271.160%#
66) 1,2-Dichlorobenzene-d4	13.855	152	9216	39.538	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	158.160%#
Target Compounds						Qvalue
14) Carbon disulfide	4.393	76	4701	0.930	ug/L	99
16) Methylene chloride	4.923	84	10155	5.131	ug/L	91
33) Benzene	8.325	78	4709	1.407	ug/L	100
39) cis-1,3-Dichloropropene	10.044	75	1011	0.812	ug/L	98
42) Toluene	10.392	91	5899	1.668	ug/L	94
59) Bromoform	12.361	173	227	2.401	ug/L #	88
61) 1,2,3-Trichloropropane	12.910	75	595	4.888	ug/L	91
67) 1,2-Dichlorobenzene	13.861	146	252	0.667	ug/L #	18
69) 1,3,5-Trichlorobenzene	14.623	180	204	0.685	ug/L #	74
70) 1,2,4-trichlorobenzene	15.129	180	365	1.547	ug/L #	59
71) Naphthalene	15.354	128	306	0.780	ug/L #	86

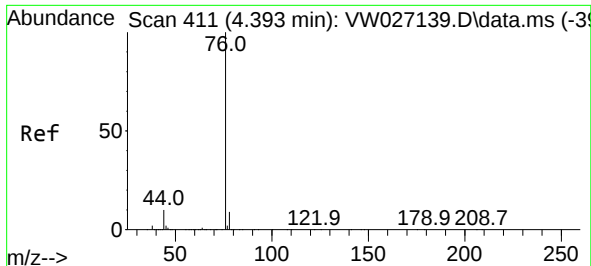
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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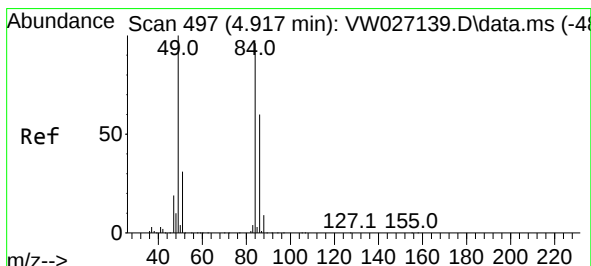
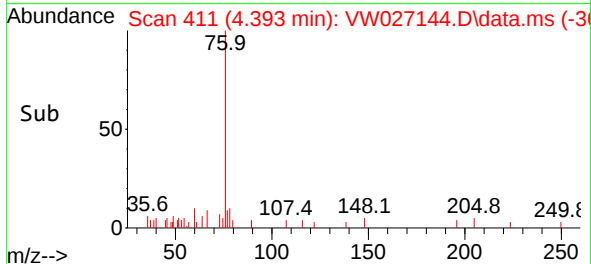
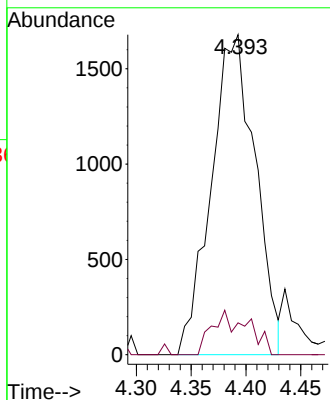
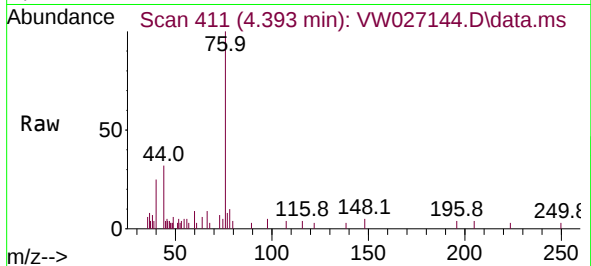




#14
Carbon disulfide
Concen: 0.930 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
Lab File: VW027144.D
Acq: 19 Sep 2023 12:21

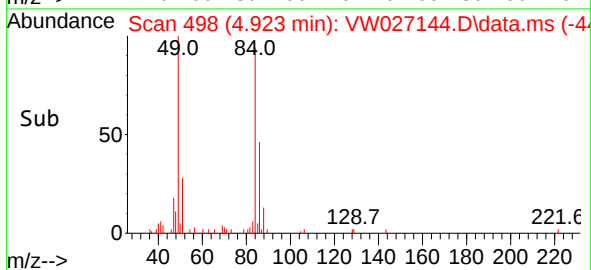
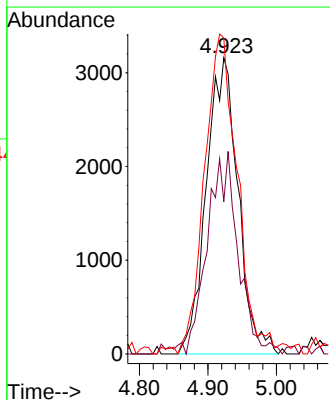
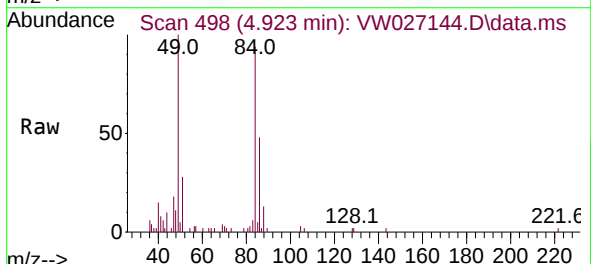
Instrument :
MSVOA_W
ClientSampleId :

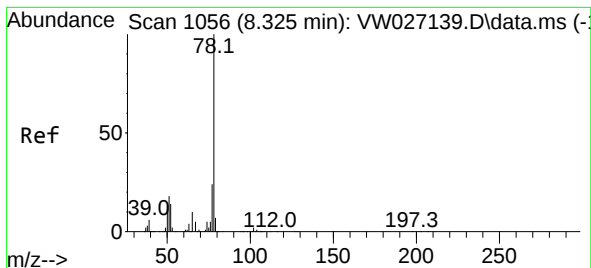
Tgt Ion: 76 Resp: 4701
Ion Ratio Lower Upper
76 100
78 9.9 7.5 11.3



#16
Methylene chloride
Concen: 5.131 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW027144.D
Acq: 19 Sep 2023 12:21

Tgt Ion: 84 Resp: 10155
Ion Ratio Lower Upper
84 100
86 51.5 46.7 86.7
49 106.7 77.1 143.1





#33

Benzene

Concen: 1.407 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VW027144.D

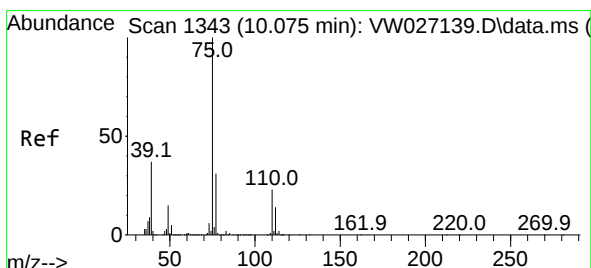
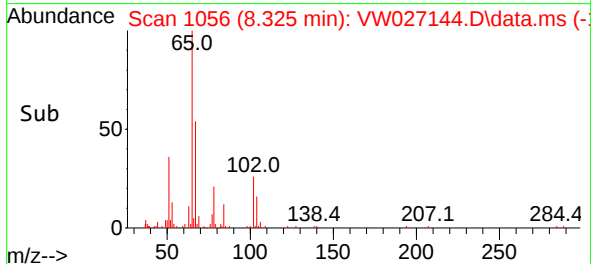
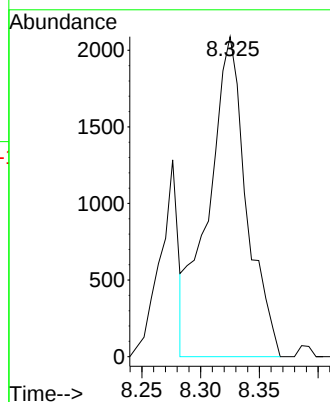
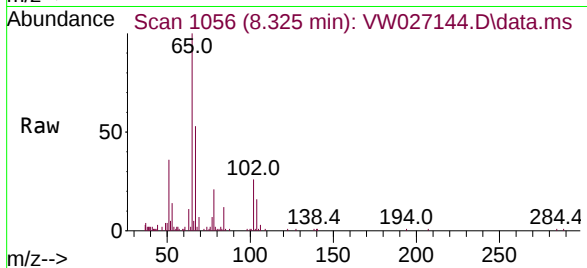
Acq: 19 Sep 2023 12:21

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 4709



#39

cis-1,3-Dichloropropene

Concen: 0.812 ug/L

RT: 10.044 min Scan# 1338

Delta R.T. -0.030 min

Lab File: VW027144.D

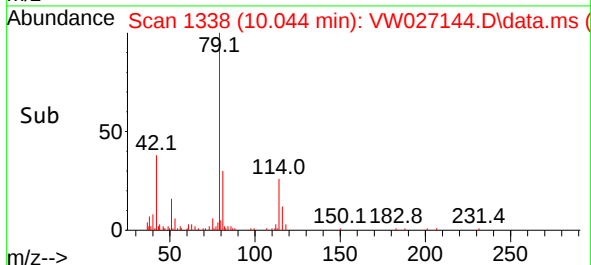
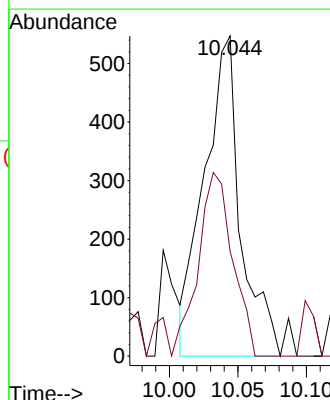
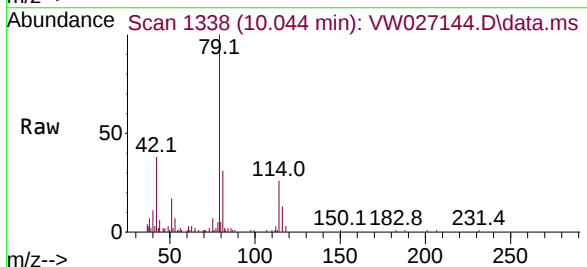
Acq: 19 Sep 2023 12:21

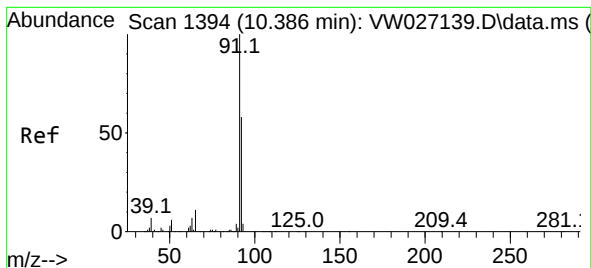
Tgt Ion: 75 Resp: 1011

Ion Ratio Lower Upper

75 100

77 32.7 22.0 40.8





#42

Toluene

Concen: 1.668 ug/L

RT: 10.392 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW027144.D

Acq: 19 Sep 2023 12:21

Instrument :

MSVOA_W

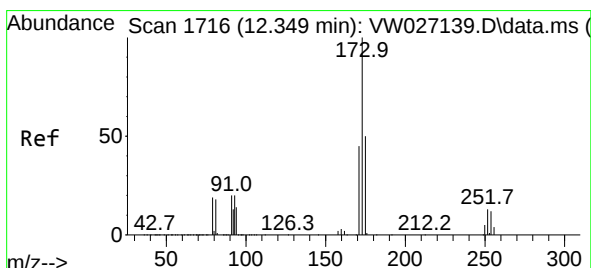
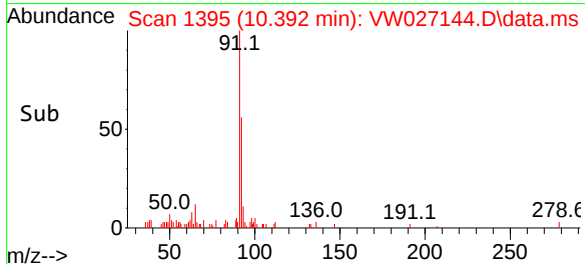
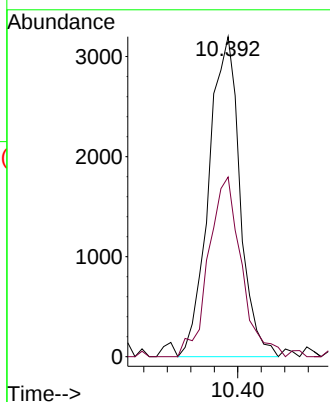
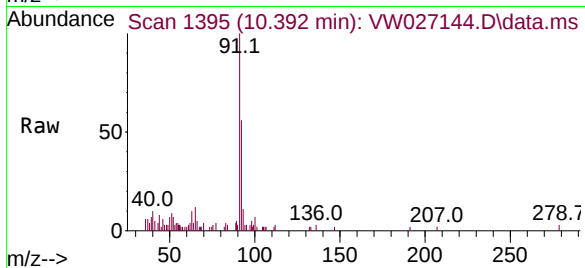
ClientSampleId :

Tgt Ion: 91 Resp: 5899

Ion Ratio Lower Upper

91 100

92 56.1 42.7 79.3



#59

Bromoform

Concen: 2.401 ug/L

RT: 12.361 min Scan# 1718

Delta R.T. 0.012 min

Lab File: VW027144.D

Acq: 19 Sep 2023 12:21

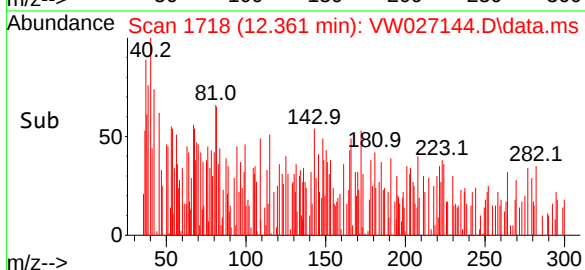
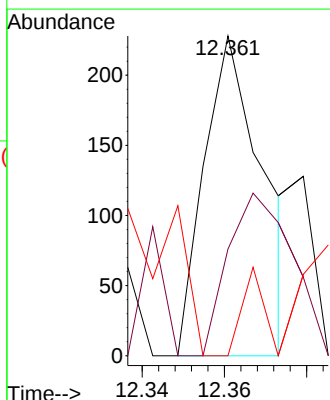
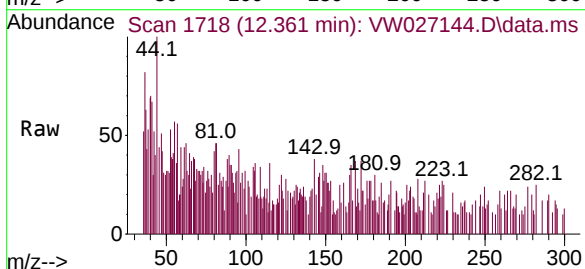
Tgt Ion: 173 Resp: 227

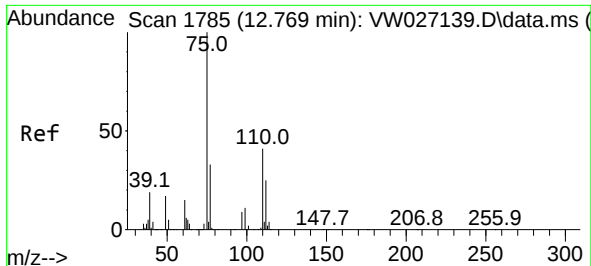
Ion Ratio Lower Upper

173 100

175 55.1 36.6 55.0#

254 10.1 10.0 15.0





#61

1,2,3-Trichloropropane

Concen: 4.888 ug/L

RT: 12.910 min Scan# 11

Delta R.T. 0.140 min

Lab File: VW027144.D

Acq: 19 Sep 2023 12:21

Instrument :

MSVOA_W

ClientSampleId :

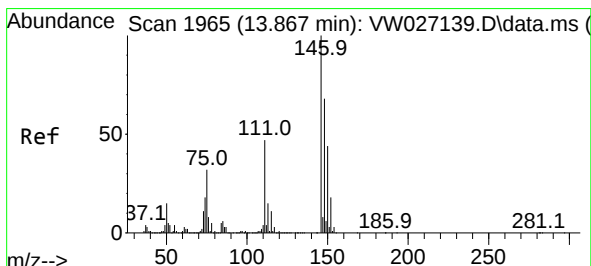
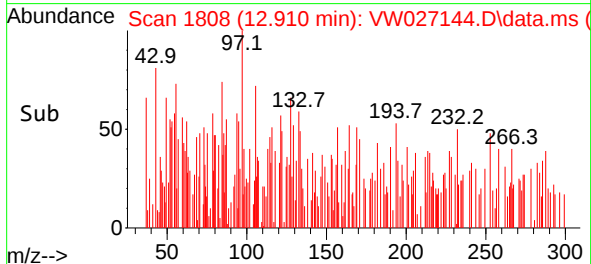
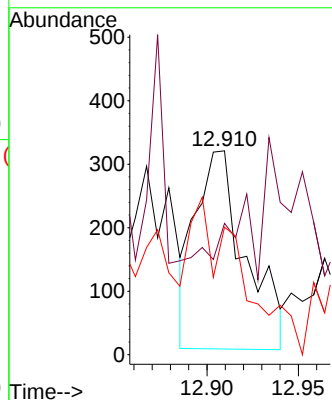
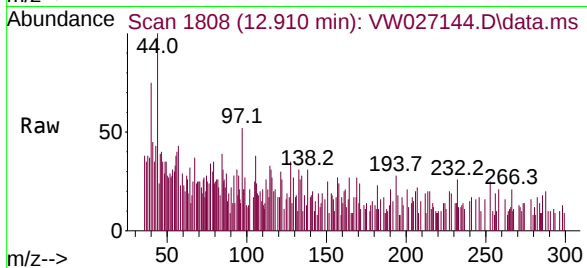
Tgt Ion: 75 Resp: 595

Ion Ratio Lower Upper

75 100

77 37.6 26.0 39.0

110 34.3 31.6 47.4



#67

1,2-Dichlorobenzene

Concen: 0.667 ug/L

RT: 13.861 min Scan# 1964

Delta R.T. -0.006 min

Lab File: VW027144.D

Acq: 19 Sep 2023 12:21

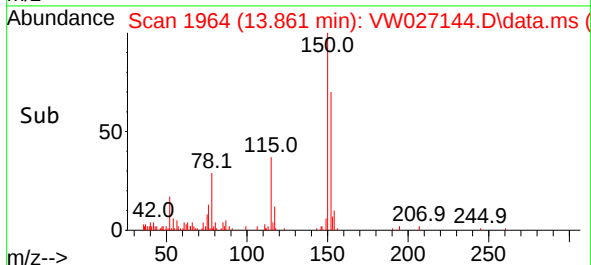
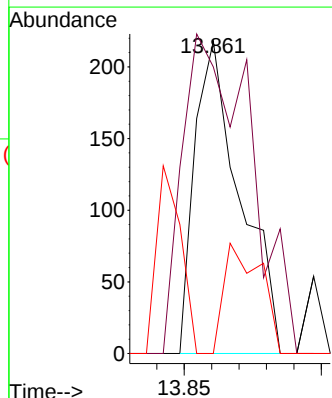
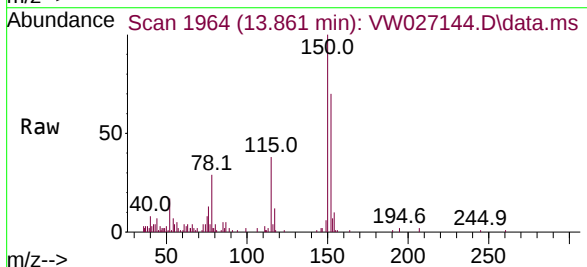
Tgt Ion: 146 Resp: 252

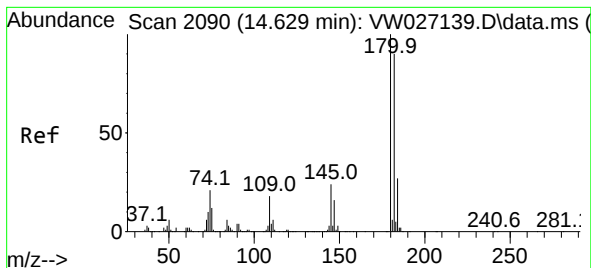
Ion Ratio Lower Upper

146 100

111 91.7 32.2 48.2#

148 0.0 51.2 76.8#





#69

1,3,5-Trichlorobenzene

Concen: 0.685 ug/L

RT: 14.623 min Scan# 2090

Delta R.T. -0.006 min

Lab File: VW027144.D

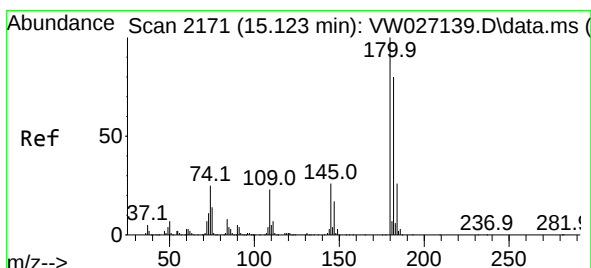
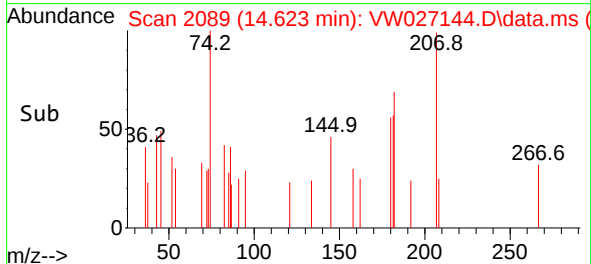
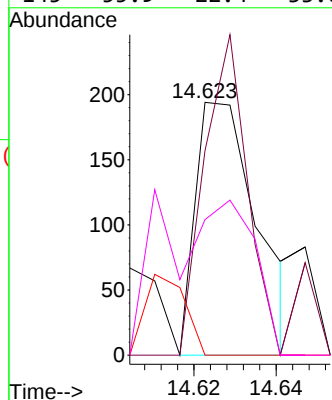
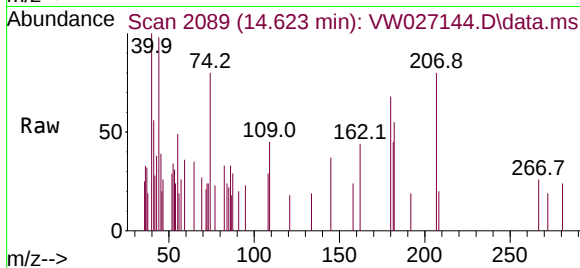
Acq: 19 Sep 2023 12:21

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180	Resp:	204
Ion Ratio	Lower	Upper
180	100	
182	87.3	76.6 115.0
184	0.0	23.8 35.8#
145	55.9	22.4 33.6#



#70

1,2,4-trichlorobenzene

Concen: 1.547 ug/L

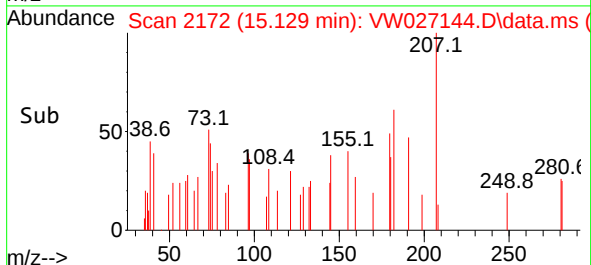
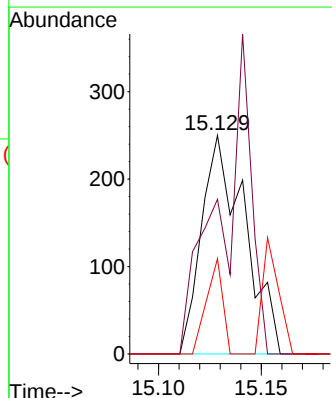
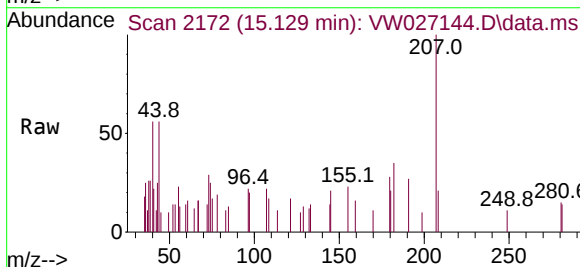
RT: 15.129 min Scan# 2172

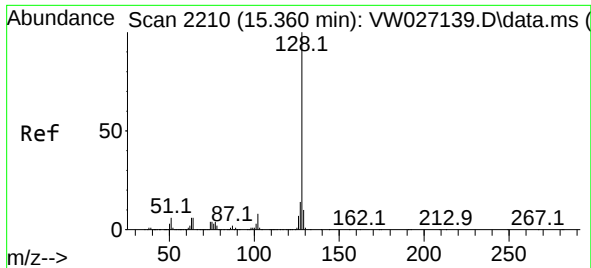
Delta R.T. 0.006 min

Lab File: VW027144.D

Acq: 19 Sep 2023 12:21

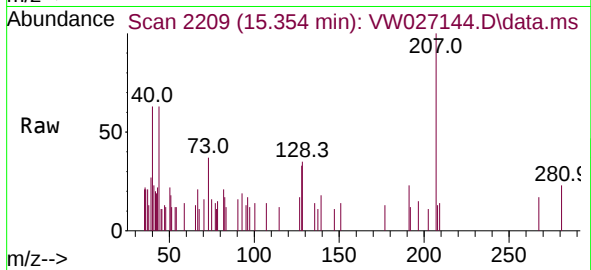
Tgt Ion:180	Resp:	365
Ion Ratio	Lower	Upper
180	100	
182	52.9	78.2 117.4#
145	16.4	24.6 36.8#





#71
Naphthalene
Concen: 0.780 ug/L
RT: 15.354 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW027144.D
Acq: 19 Sep 2023 12:21

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 306
Ion Ratio Lower Upper
128 100
127 20.9 10.7 16.1#
129 8.2 8.8 13.2#

